FCC TEST REPORT

FOR

Lunar Industries inc.

Smart Phone

Test Model: BraX3

Prepared for	:	Lunar Industries inc.
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
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Date of receipt of test sample	:	February 26, 2025
Number of tested samples	:	2
Sample No.	:	A250303080-1, A250303080-2
Serial number	:	Prototype
Date of Test	:	February 26, 2025 ~ March 25, 2025
Date of Report	:	March 26, 2025

FCC TEST REPORT
FCC CFR 47 PART 15 C(15.247)

Report Reference No.	**:**	**LCSA11204234EA**
Date of Issue	:	March 26, 2025
Testing Laboratory Name	**:**	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Testing Location/ Procedure.....	:	Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □
Applicant's Name.....	**:**	**Lunar Industries inc.**
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Test Specification		
Standard.....	:	FCC CFR 47 PART 15 C(15.247)
Test Report Form No.	**:**	TRF-4-E-148 A/0
TRF Originator	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF	:	Dated 2011-03

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EUT Description.	**:**	**Smart Phone**
Trade Mark.....	:	Brax
Test Model	:	BraX3
Ratings	:	Please Refer to Page 6
**Result ..... **	**:**	**Positive**

Compiled by:	**Supervised by:**	**Approved by:**
Jack Liu/Administrator	Cary Luo/ Technique principal	Gavin Liang/ Manager

FCC -- TEST REPORT

Test Report No. : LCSA11204234EA	March 26, 2025 Date of issue

Test Model.....	:	BraX3
EUT.....	:	Smart Phone
Applicant.....	**:**	**Lunar Industries inc.**
Address.....	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	:	/
Fax.....	:	/
Manufacturer.....	**:**	**Lunar Industries inc.**
Address.....	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	:	/
Fax.....	:	/
Factory.....	**:**	**Sichuan koobee communication equipment Co., Ltd.**
Address.....	:	Building 2, No.69, West of gangyuan Road, Lingang economic and technological development zone, Yibin City, Sichuan Province, P.R.China
Telephone.....	:	/
Fax.....	:	/

Test Result	**Positive**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revision History

Report Version	Issue Date	Revision Content	Revised By
000	March 26, 2025	Initial Issue	---

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1. GENERAL INFORMATION

1.1 Description of Device (EUT)

EUT	:	Smart Phone
Test Model	:	BraX3
Ratings	:	Input:5V⎓2A DC 3.87V by Rechargeable Li-ion Battery, 4900mAh
Hardware Version	:	KE115S_01
Software Version	:	V600.BX3.25032025.16.19.AD
Bluetooth	:	
Frequency Range	:	2402MHz~2480MHz
Channel Number	:	79 channels for Bluetooth V5.2 (DSS) 40 channels for Bluetooth V5.2 (DTS)
Channel Spacing	:	1MHz for Bluetooth V5.2 (DSS) 2MHz for Bluetooth V5.2 (DTS)
Modulation Type	:	GFSK, π/4-DQPSK, 8-DPSK for Bluetooth V5.2 (DSS) GFSK for Bluetooth V5.2 (DTS)
Bluetooth Version	:	V5.2
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(2.4G Band)	:	
Frequency Range	:	2412MHz~2462MHz
Channel Spacing	:	5MHz
Channel Number	:	11 Channels for 20MHz bandwidth (2412~2462MHz) 7 Channels for 40MHz bandwidth (2422~2452MHz)
Modulation Type	:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(5.2G Band)	:	
Frequency Range	:	5180MHz~5240MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5180MHz~5240MHz) 2 channels for 40MHz bandwidth(5190MHz~5230MHz) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.3G Band)		
Frequency Range	:	5260MHz~5320MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5260MHz~5320MHz) 2 channels for 40MHz bandwidth(5270MHz~5310MHz) 1 channels for 80MHz bandwidth(5290MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.5G Band)	:	
Frequency Range	:	5500MHz~5700MHz
Channel Number	:	11 Channels for 20MHz bandwidth(5500MHz~5700MHz) 5 Channels for 40MHz bandwidth(5510MHz~5670MHz) 2 Channels for 80MHz bandwidth(5530MHz, 5610MHz)

Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.8G Band)	:	
Frequency Range	:	5745MHz~5825MHz
Channel Number	:	5 channels for 20MHz bandwidth(5745MHz~5825MHz) 2 channels for 40MHz bandwidth(5755MHz~5795MHz) 1 channels for 80MHz bandwidth(5775MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5),0.65dBi(Max.)
2G	:	
Support Band	:	☒GSM 900 (EU-Band) ☒DCS 1800 (EU-Band) ☒GSM 850 (U.S.-Band) ☒PCS 1900 (U.S.-Band)
Release Version	:	R9
GPRS Class	:	Class 12
EGPRS Class	:	Class 12
Type Of Modulation	:	GMSK for GSM/GPRS; GMSK/8PSK for EGPRS
Antenna Description	:	GSM 850: -3.2 dBi(ANT0), -6.0 dBi(ANT3) PCS 1900: -0.8 dBi(ANT3), -2.0 dBi(ANT0)
3G	:	
Support Band	:	☒WCDMA Band I (EU-Band) ☒WCDMA Band II (U.S.-Band) ☒WCDMA Band IV (U.S.-Band) ☒WCDMA Band V (U.S.-Band) ☒WCDMA Band VIII (EU-Band)
Release Version	:	R9
Type Of Modulation	:	QPSK,16QAM
Antenna Description	:	PIFA Antenna WCDMA Band II -0.8 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band IV -1.45 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band V -3.2 dBi(ANT0), -6.0 dBi(ANT3)
LTE	:	
Support Band	:	☒E-UTRA Band 1(EU-Band) ☒E-UTRA Band 2(U.S.-Band) ☒E-UTRA Band 3(EU-Band) ☒E-UTRA Band 4(U.S.-Band) ☒E-UTRA Band 5(U.S.-Band) ☒E-UTRA Band 7(U.S.-Band) ☒E-UTRA Band 8(EU-Band) ☒E-UTRA Band 12(U.S.-Band) ☒E-UTRA Band 13(U.S.-Band) ☒E-UTRA Band 17(U.S.-Band) ☒E-UTRA Band 25(U.S.-Band) ☒E-UTRA Band 26(U.S.-Band) ☒E-UTRA Band 28(EU-Band) ☒E-UTRA Band 38(U.S.-Band) ☒E-UTRA Band 40(EU-Band) ☒E-UTRA Band 41(U.S.-Band) ☒E-UTRA Band 42(EU-Band)

		☒E-UTRA Band 66(U.S.-Band) ☒E-UTRA Band 71(U.S.-Band)
LTE Release Version	:	R15
Type Of Modulation	:	QPSK/16QAM
Antenna Description	:	PIFA Antenna For E-UTRA Band 2 -0.8 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 4 -1.45 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 5 -3.2 dBi(ANT0),-1.8 dBi(ANT3) For E-UTRA Band 7 -0.6 dBi(ANT3),-1.8 dBi(ANT0), -1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 12 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 13 -3.0 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 17 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 25 -0.75 dBi(ANT3), -2.0 dBi(ANT0) ,-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 26 -3.3 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 38 -0.6 dBi(ANT3),-1.1 dBi(ANT0),-1.8 dBi(ANT2), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 41 –0.6 dBi(ANT3), -1.1 dBi(ANT0),-1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 66 -0.78 dBi(ANT3), -2.0 dBi(ANT0),-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 71 -3.3 dBi(ANT0), -2.0 dBi(ANT3)
Power Class	:	Class 3
NR	:	
Operation Band	:	SA Band: n1: UL: 1920MHz~1980MHz, DL: 2110MHz~2170MHz n2: UL: 1850MHz~1910MHz, DL: 1930MHz~1990MHz n3: UL: 1710MHz~1785MHz, DL:1805MHz~1880MHz n5: UL: 824MHz~849MHz, DL:869MHz~894MHz n7: UL: 2500MHz~2570MHz, DL: 2620MHz~2690MHz n25: UL: 1850MHz~1915MHz, DL: 1930MHz~1995MHz n26: UL: 814MHz~849MHz, DL: 859MHz~894MHz n28: UL: 703MHz~748MHz, DL: 758MHz~803MHz n38: UL & DL: 2570MHz~2620MHz n40: UL & DL: 2300MHz~2400MHz n41: UL & DL: 2496MHz~2690MHz n66: UL: 1710MHz~1780MHz, DL: 2110MHz~2180MHz n71: UL: 663MHz~698MHz, DL: 617MHz~652MHz n77: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3980 MHz n78: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3800 MHz
Support Type	:	☒SA
Subcarrier Spacing	:	15KHz,30KHz
Modulation Type	:	DFT-BPSK, DFT-QPSK, DFT-16QAM, DFT-64QAM, DFT-256QAM CP-QPSK, CP-16QAM, CP-64QAM, CP-256QAM
SCS and Channel Bandwidths	:	n2_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,35 MHz,40 MHz n5_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n7_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz,50MHz n25_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40

		MHz n26_SCS 15kHz(814~824MHz): 5 MHz,10 MHz n26_SCS 15kHz(824~849MHz): 5 MHz,10 MHz,15 MHz,20 MHz n38_SCS 30kHz:10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n41_SCS 30kHz: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz,90 MHz,100 MHz n66_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n71_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n77_SCS 30kHz: 20 MHz,50 MHz,100 MHz n78_SCS 30kHz: 20 MHz,50 MHz,100 MHz
Power Class	:	NR Band 2/5/7/25/26/38/41:PC3 NR Band 66/71/77/78: PC2
Antenna Description	:	PIFA Antenna NR Band n2: -0.8 dBi(ANT3), -6.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n5: -3.2 dBi(ANT0), -6.0 dBi(ANT3) NR Band n7: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n25: -0.75 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n26: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n38: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n41: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n66: -0.78 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n71: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n77: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7) NR Band n78: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7)
NFC	:	
Operating Frequency	:	13.56MHz
Modulation Type	:	ASK
Antenna Description	:	Internal Antenna
GPS Function	:	Support and only RX
FM Function	:	Support and only RX
Extreme temp. Tolerance	:	-30°C to +50°C
Extreme vol. Limits	:	3.3VDC to 4.45VDC (nominal: 3.87VDC)

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

1.2 Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN TIANYIN ELECTRONICS CO., LTD	Power Adapter	TPA-46050200UU	--	FCC

Note: Auxiliary equipment is provided by the laboratory.

1.3 External I/O Cable

I/O Port Description	Quantity	Cable
Type-C USB Port	1	N/A
Earphone Jack Port	1	N/A

1.4 Description of Test Facility

NVLAP Accreditation Code is 600167-0.
FCC Designation Number is CN5024.
CAB identifier is CN0071.
CNAS Registration Number is L4595.
Test Firm Registration Number: 254912.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.10:2013 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

1.5 Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

1.6 Measurement Uncertainty

Test Item		Frequency Range	Uncertainty	Note
Radiation Uncertainty	:	9KHz~30MHz	±3.10dB	(1)
		30MHz~200MHz	±2.96dB	(1)
		200MHz~1000MHz	±3.10dB	(1)
		1GHz~26.5GHz	±3.80dB	(1)
		26.5GHz~40GHz	±3.90dB	(1)
Conduction Uncertainty	:	150kHz~30MHz	±1.63dB	(1)
Power disturbance	:	30MHz~300MHz	±1.60dB	(1)
Output power	:	1GHz-40GHz	±0.57dB	(1)
Occupied Channel Bandwidth	:	1GHz-40GHz	±5%	(1)
Conducted RF Spurious Emission	:	9kHz-40GHz	±1.80dB	(1)
Emissions in Restricted Bands	:	1GHz-40GHz	±2.47dB	(1)
Dewll time	:	1GHz-40GHz	2.3%	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.7 Description of Test Modes

Bluetooth operates in the unlicensed ISM Band at 2.4GHz. With basic data rate feature, the data rates can be up to 1 Mb/s by modulating the RF carrier using GFSK techniques. The EUT works in the X-axis, Y-axis, Z-axis. The following operating modes were applied for the related test items. All test modes were tested, only the result of the worst case was recorded in the report.

Mode of Operations	Frequency Range (MHz)	Data Rate (Mbps)
BT	2402	1/2/3
	2441	1/2/3
	2480	1/2/3
For Conducted Emission		
Test Mode	TX Mode/Hopping Mode	
For Radiated Emission		
Test Mode	TX Mode/Hopping Mode	

Worst-case mode and channel used for 150 KHz-30 MHz power line conducted emissions was determined to be TX (3Mbps-High Channel).

Worst-case mode and channel used for 9 KHz-1000 MHz radiated emissions was determined to be TX (3Mbps-High Channel).

Pre-test AC conducted emission at charge from 1Mbps-Low Channel mode, recorded worst case.

Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/60Hz, recorded worst case.

AC conducted emission pre-test at power adapter modes, recorded worst case;

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10-2013, FCC CFR PART 15C 15.207, 15.209 and 15.247.

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The EUT was operated in the normal operating mode for Hopping Numbers and Dwell Time test and a continuous transmits mode for other tests.

According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209, 15.247 under the FCC Rules Part 15 Subpart C.

2.3 General Test Procedures

2.3.1 Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.1.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using Quasi-peak and average detector modes.

2.3.2 Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1GHz and 1.5 m above ground plane above 1GHz. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 6.4 of ANSI C63.10-2013

2.4. Test Sample

The application provides 2 samples to meet requirement;

Sample Number	Description
Sample 1(A250303080-1)	Engineer sample – continuous transmit
Sample 2(A250303080-2)	Normal sample – Intermittent transmit

3. SYSTEM TEST CONFIGURATION

3.1 Justification

The system was configured for testing in a continuous transmits condition.

3.2 EUT Exercise Software

The system was configured for testing in a continuous transmits condition and change test channels by software provided by application.

3.3 Special Accessories

Manufacturer	Description	Model	Serial Number	Certificate
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3.4 Block Diagram/Schematics

Please refer to the related document.

3.5 Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

3.6 Test Setup

Please refer to the test setup photo.

4. SUMMARY OF TEST RESULTS

Applied Standard: FCC Part 15 Subpart C				
FCC Rules	Description of Test	Test Sample	Result	Remark
§15.247(a)	20dB Bandwidth	Sample 1	Compliant	Appendix A.1
§15.247(b)(1)	Maximum Peak Conducted Output Power	Sample 1	Compliant	Appendix A.2
§15.247(a)(1)	Frequency Separation	Sample 1	Compliant	Appendix A.3
§15.247(a)(1)	Time Of Occupancy (Dwell Time)	Sample 1	Compliant	Appendix A.4
§15.247(a)(1)	Number Of Hopping Frequency	Sample 1	Compliant	Appendix A.5
§15.209(a)	Radiated Spurious Emissions	Sample 1 Sample 2	Compliant	Note 1
§15.247(d)	Band Edges Measurements and Conducted Spurious Emissions	Sample 1	Compliant	Appendix A.6 Appendix A.7
/	On Time and Duty Cycle	Sample 1	/	Only reported; Appendix A.8
§15.205	Emissions at Restricted Band	Sample 1	Compliant	Appendix A.9
§15.207(a)	AC Mains Conducted Emissions	Sample 2	Compliant	Note 1
§15.203	Antenna Requirements	Sample 1	Compliant	Note 1
§15.247(i)§1.1310 §15.247(i)§2.1093	RF Exposure	N/A	Compliant	Note 2

Remark:
1. Note 1 – Test results inside test report;
2. Note 2 – Test results in other test report (SAR Report);

5. SUMMARY OF TEST EQUIPMENT

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2024-06-06	2025-06-05
2	Power Sensor	R&S	NRV-Z81	100458	2024-06-06	2025-06-05
3	Power Sensor	R&S	NRV-Z32	10057	2024-06-06	2025-06-05
4	Test Software	Tonscend	JS1120-2	/	N/A	N/A
5	RF Control Unit	Tonscend	JS0806-2	N/A	2024-11-08	2025-11-07
6	MXA Signal Analyzer	Agilent	N9020A	MY50510140	2024-10-08	2025-10-07
7	DC Power Supply	Agilent	E3642A	N/A	2024-10-08	2025-10-07
8	EMI Test Software	AUDIX	E3	/	N/A	N/A
9	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2024-06-06	2025-06-05
10	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
11	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2024-07-13	2027-07-12
12	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2024-08-03	2027-08-02
13	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2024-07-13	2027-07-12
14	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2024-07-13	2027-07-12
15	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2024-07-30	2025-07-29
16	EMI Test Receiver	R&S	ESR 7	101181	2024-06-06	2025-06-05
17	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2024-06-06	2025-06-05
18	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2024-10-08	2025-10-07
19	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2024-10-08	2025-10-07
20	6dB Attenuator	/	100W/6dB	1172040	2024-06-06	2025-06-05
21	3dB Attenuator	/	2N-3dB	/	2024-10-08	2025-10-07
22	EMI Test Receiver	R&S	ESPI	101940	2024-06-06	2025-06-05
23	Artificial Mains	R&S	ENV216	101288	2024-06-06	2025-06-05
24	10dB Attenuator	SCHWARZBECK	MTS-IMP-136	261115-001-0032	2024-06-06	2025-06-05
25	EMI Test Software	Farad	EZ	/	N/A	N/A
26	Antenna Mast	Max-Full	MFA-515BSN	1308572	N/A	N/A
27	Pulse Limiter	R&S	ESH3-Z2	102750-NB	2024-06-06	2025-06-05

6. MEASUREMENT RESULTS

6.1. Frequency Separation and 20 dB Bandwidth

6.1.1 Limit

According to §15.247(a), Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

6.1.2 Block Diagram of Test Setup



6.1.3 Test Procedure

Frequency separation test procedure：

1). Place the EUT on the table and set it in transmitting mode.
2). Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the Spectrum Analyzer.
3). Set center frequency of Spectrum Analyzer = middle of hopping channel.
4). Set the Spectrum Analyzer as RBW = 30 kHz, VBW = 100 kHz, Span = wide enough to capture the peaks of two adjacent channels, Sweep = auto.
5). Max hold, mark 2 peaks of hopping channel and record the 2 peaks frequency.

20dB bandwidth test procedure：

1). Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel.
2). RBW ≥1% of the 20 dB bandwidth, VBW ≥RBW.
3). Detector function = peak.
4). Trace = max hold.

6.1.4 Test Results

6.1.4.1 20dB Bandwidth

PASS

Please refer to Appendix A.1

Remark:

1. *Test results including cable loss;*
2. *Measured 20dB Bandwidth at difference Packet Type for each mode and recorded worst case for each mode.*
3. *Worst case data at DH5 for GFSK, 2DH5 for π/4-DQPSK, 3DH5 for 8-DPSK modulation type;*

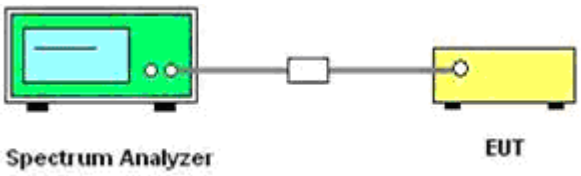
6.1.4.2 Frequency Separation

PASS

Please refer to Appendix A.3

6.2. Peak Power

6.2.1 Block Diagram of Test Setup



6.2.2 Limit

According to §15.247(b)(1), For frequency hopping systems operating in the 2400–2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725–5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400–2483.5 MHz band: 0.125 watts.

6.2.3 Test Procedure

The transmitter output is connected to the spectrum.

6.2.4. Test Procedures

1) Span: Approximately five times the 20 dB bandwidth, centered on a hopping channel.
2) RBW > 20 dB bandwidth of the emission being measured.
3) VBW ≥ RBW.
4) Sweep: Auto.
5) Detector function: Peak.
6) Trace: Max hold.

6.2.5 Test Results

PASS

Please refer to Appendix A.2

Remark:

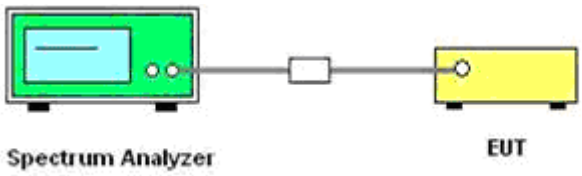
1. *Test results including cable loss;*
2. *Measured output power at difference Packet Type for each mode and recorded worst case for each mode.*

6.3. Time of Occupancy (Dwell Time)

6.3.1 Limit

According to §15.247(a)(1), Frequency hopping systems operating in the 2400MHz- 2483.5 MHz bands. The average time of occupancy on any channels shall not greater than 0.4 s within a period 0.4 s multiplied by the number of hopping channels employed.

6.3.2 Block Diagram of Test Setup



6.3.3 Test Procedure

1). Place the EUT on the table and set it in transmitting mode.

2). Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the Spectrum Analyzer.

3). Set center frequency of Spectrum Analyzer = operating frequency.

4). Set the Spectrum Analyzer as RBW=1MHz, VBW=3MHz, Span = 0Hz, Sweep = auto.

5). Repeat above procedures until all frequency measured was complete.

6.3.4 Test Results

The Dwell Time=Burst Width*Total Hops.

PASS

Please refer to Appendix A.4

Remark:

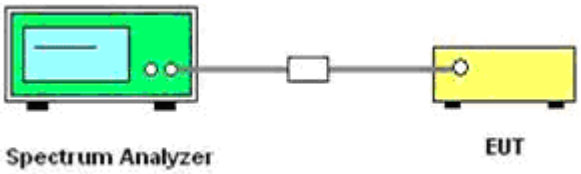
1. Test results including cable loss;
2. Measured at difference Packet Type for each mode and recorded worst case for each mode.

6.4. Number of Hopping Frequency

6.4.1 Limit

According to §15.247(a)(1), Frequency hopping systems operating in the band 2400-2483.5 MHz shall use at least 15 hopping channels.

6.4.2 Block Diagram of Test Setup



6.4.3 Test Procedure

1). Place the EUT on the table and set it in transmitting mode.

2). Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the Spectrum Analyzer.

3). Set Spectrum Analyzer Start=2400MHz, Stop = 2483.5MHz, Sweep = auto.

4). Set the Spectrum Analyzer as RBW=100KHz, VBW=300KHz.

5). Max hold, view and count how many channel in the band.

6.4.4 Test Results

PASS

Please refer to Appendix A.5

Remark:

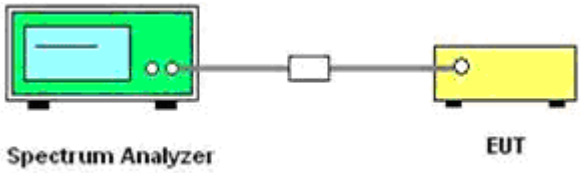
1. Test results including cable loss;
2. Measured number of hopping channels at difference Packet Type for each mode and recorded worst case for each mode.
3. Worst case data at DH5 for GFSK, 2DH5 for π/4-DQPSK, 3DH5 for 8-DPSK modulation type;

6.5. Band Edges Measurements and Conducted Spurious Emissions Test

6.5.1 Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required.

6.5.2 Block Diagram of Test Setup



6.5.3 Test Procedure

Conducted RF measurements of the transmitter output were made to confirm that the EUT antenna port conducted emissions meet the specified limit and to identify any spurious signals that require further investigation or measurements on the radiated emissions site.

The transmitter output is connected to the spectrum analyzer. The resolution bandwidth is set to 100 KHz. The video bandwidth is set to 300 KHz.

Measurements are made over the 30 MHz to 26.5GHz range with the transmitter set to the lowest, middle, and highest channels

6.5.4 Test Results of Conducted Spurious Emissions

No non-compliance noted. Only record the worst test result in this report. The test data refer to the following page.

PASS

Please refer to Appendix A.6 for Band Edges Measurements.

Please refer to Appendix A.7 for Conducted Spurious Emission.

Remark:

1. Test results including cable loss;
2. Measured at difference Packet Type for each mode and recorded worst case for each mode.
3. Worst case data at DH5 for GFSK, 2DH5 for π/4-DQPSK, 3DH5 for 8-DPSK modulation type;

6.6. Radiated Emissions Measurement

6.6.1. Standard Applicable

15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
\1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293.	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(\2\)
13.36-13.41			

\1\ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

\2\ Above 38.6

According to §15.247 (d): 20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

6.6.2. Measuring Instruments and Setting

Please refer to of equipment list in this report. The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/T kHz for Average
RB / VB (Emission in non-restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/T kHz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB/VB 200Hz/1KHz for QP/AVG
Start ~ Stop Frequency	150kHz~30MHz / RB/VB 9kHz/30KHz for QP/AVG
Start ~ Stop Frequency	30MHz~1000MHz / RB/VB 120kHz/1MHz for QP

6.6.3. Test Procedures

1) Sequence of testing 9 kHz to 30 MHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions.

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna height is 1.0 meter.

--- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

--- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).

--- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

2) Sequence of testing 30 MHz to 1 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height changes from 1 to 4 meter.

--- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter.

--- The final measurement will be done with QP detector with an EMI receiver.

--- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

3) Sequence of testing 1 GHz to 18 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height scan range is 1 meter to 4 meter.

--- At each turntable position and antenna polarization the analyzer sweeps with peak detection to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter. This procedure is repeated for both antenna polarizations.

--- The final measurement will be done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, EUT-table position, antenna polarization, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

4) Sequence of testing above 18 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 1 meter.

--- The EUT was set into operation.

Premeasurement:

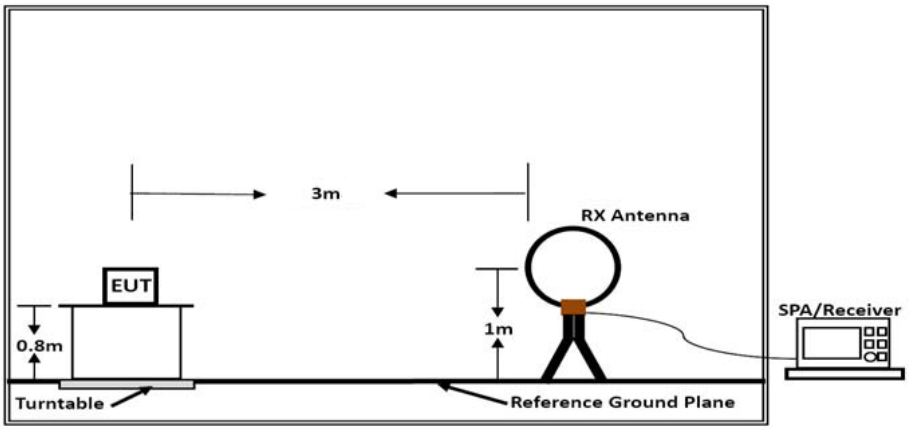
--- The antenna is moved spherical over the EUT in different polarizations of the antenna.

Final measurement:

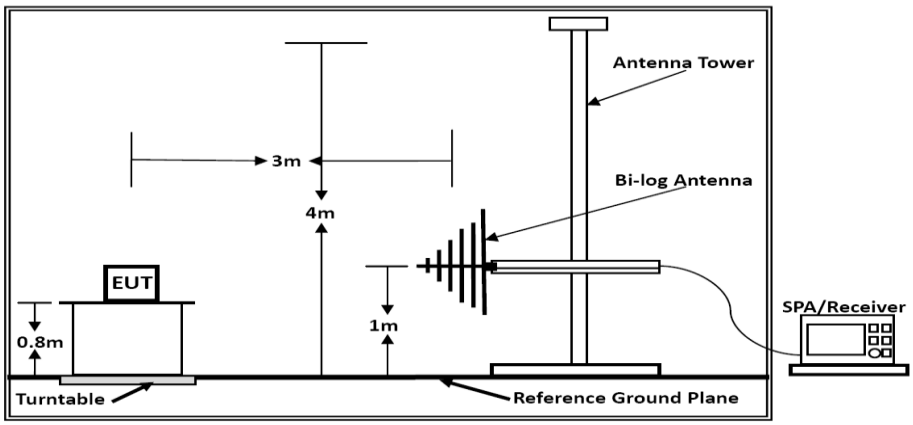
--- The final measurement will be performed at the position and antenna orientation for all detected emissions that were found during the premeasurements with Peak and Average detector.

--- The final levels, frequency, measuring time, bandwidth, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

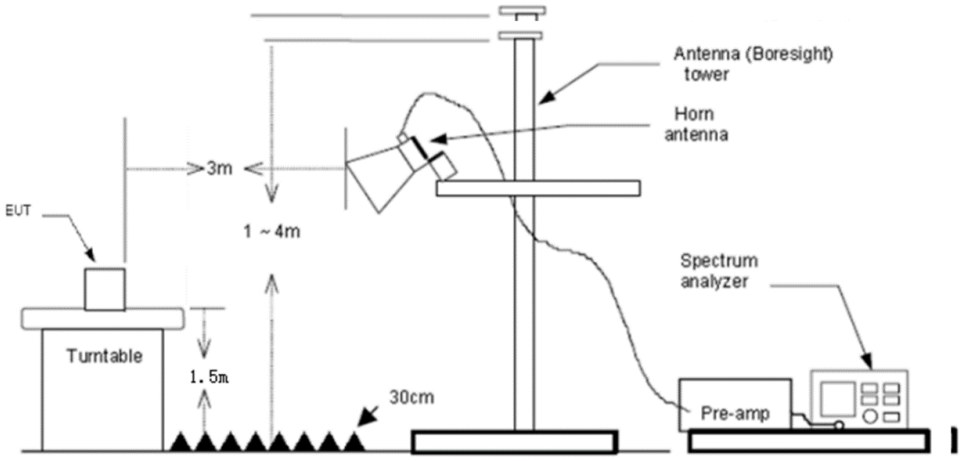
6.6.4. Test Setup Layout



Below 30MHz



Below 1GHz



Above 10 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1.5m.

6.6.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

6.6.6. Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS (dBuV/m) = RA (dBuV) + AF (dB/m) + CL (dB) – AG (dB)

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

6.6.7. Results of Radiated Emissions (9 KHz~30MHz)

Temperature	23.8℃	Humidity	52.1%
Test Engineer	Paddi Chen	Configurations	BT

Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Over Limit (dBuV)	Remark
-	-	-	-	See Note

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor = 40 log (specific distance / test distance) (dB);
Limit line = specific limits (dBuV) + distance extrapolation factor.

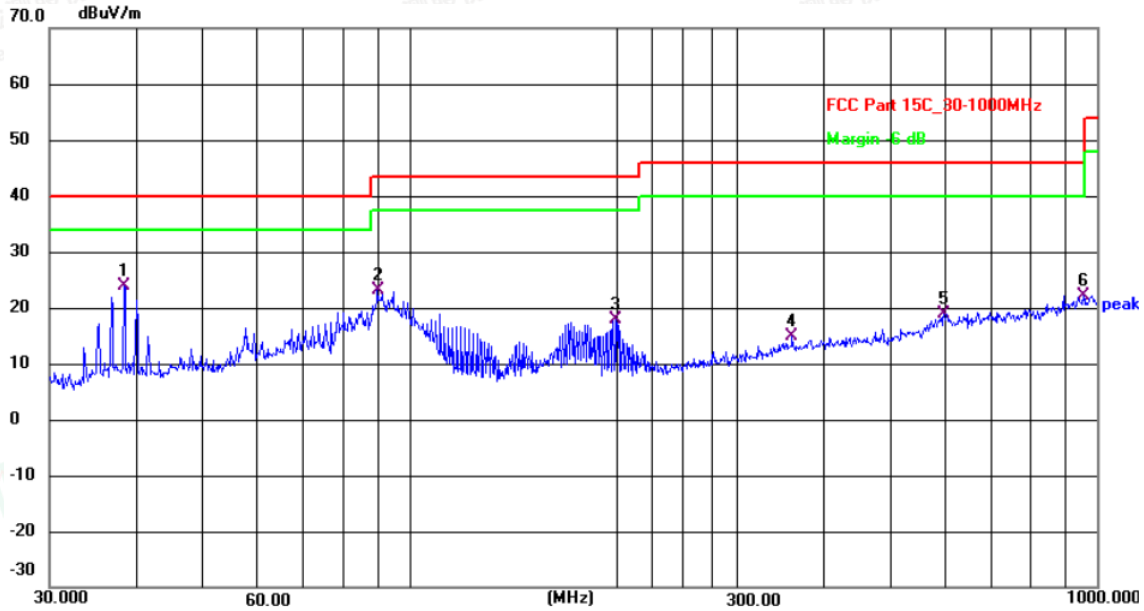
6.6.8. Results of Radiated Emissions (30 MHz~1000 MHz)

Temperature	23.8℃	Humidity	52.1%
Test Engineer	Paddi Chen	Configurations	BT

PASS.

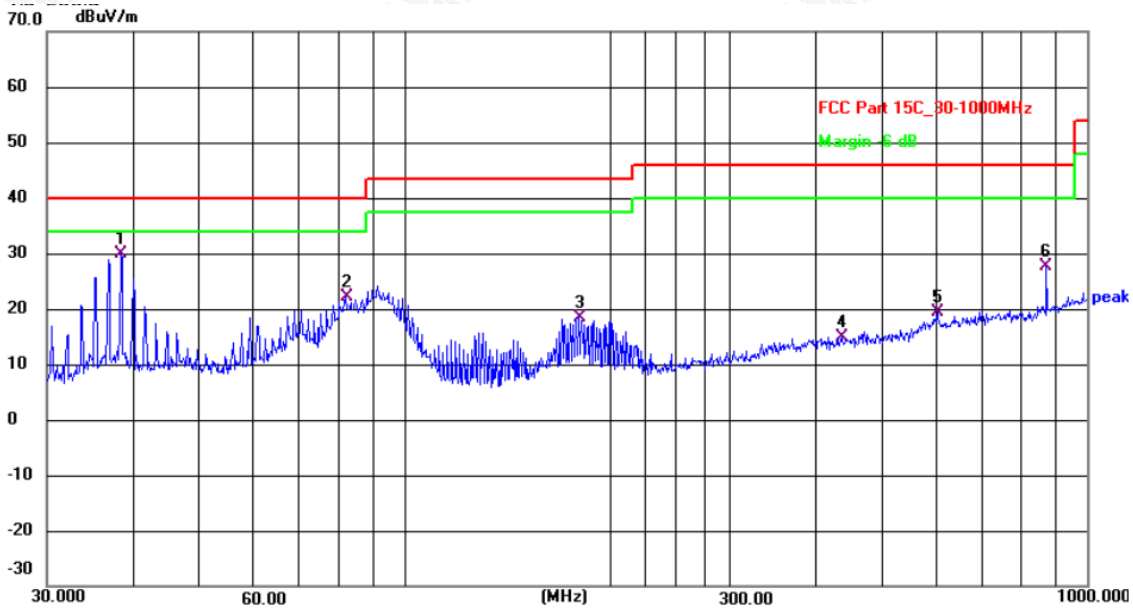
The test data please refer to following page.

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.4809	41.12	-17.13	23.99	40.00	-16.01	QP
2	89.9047	42.63	-19.58	23.05	43.50	-20.45	QP
3	199.2855	36.37	-18.58	17.79	43.50	-25.71	QP
4	360.4476	28.57	-13.79	14.78	46.00	-31.22	QP
5	599.3212	28.74	-9.95	18.79	46.00	-27.21	QP
6	955.4381	28.95	-6.76	22.19	46.00	-23.81	QP

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.4809	47.46	-17.62	29.84	40.00	-10.16	QP
2	82.0706	41.75	-19.67	22.08	40.00	-17.92	QP
3	180.0165	37.16	-18.68	18.48	43.50	-25.02	QP
4	437.1199	29.39	-14.44	14.95	46.00	-31.05	QP
5	603.5392	29.84	-10.52	19.32	46.00	-26.68	QP
6	872.1832	36.39	-8.72	27.67	46.00	-18.33	QP

Note:

1). Pre-scan all modes and recorded the worst case results in this report (3Mbps-High Channel).

2). Emission level (dBuV/m) = 20 log Emission level (uV/m).

3). Level = Reading + Factor, Margin = Level–Limit, Factor = Antenna Factor + Cable Loss - Preamp Factor.

6.6.9. Results of Radiated Emissions (1 GHz~26.5GHz)

Note: All the modes have been tested and recorded worst mode in the report.

The worst test result for GFSK, Channel 0 / 2402 MHz

Freq. MHz	Reading dBuv	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuv/m	Limit dBuv/m	Margin dB	Remark	Pol.
4804.00	54.65	33.06	35.04	3.94	56.61	74.00	-17.39	Peak	Horizontal
4804.00	43.24	33.06	35.04	3.94	45.20	54.00	-8.80	Average	Horizontal
4804.00	58.04	33.06	35.04	3.94	60.00	74.00	-14.00	Peak	Vertical
4804.00	42.55	33.06	35.04	3.94	44.51	54.00	-9.49	Average	Vertical

The worst test result for GFSK, Channel 39 / 2441 MHz

Freq. MHz	Reading dBuv	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuv/m	Limit dBuv/m	Margin dB	Remark	Pol.
4882.00	55.00	33.16	35.15	3.96	56.97	74.00	-17.03	Peak	Horizontal
4882.00	42.70	33.16	35.15	3.96	44.67	54.00	-9.33	Average	Horizontal
4882.00	60.77	33.16	35.15	3.96	62.74	74.00	-11.26	Peak	Vertical
4882.00	44.14	33.16	35.15	3.96	46.11	54.00	-7.89	Average	Vertical

The worst test result for GFSK, Channel 78 / 2480 MHz

Freq. MHz	Reading dBuv	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuv/m	Limit dBuv/m	Margin dB	Remark	Pol.
4960.00	60.18	33.26	35.14	3.98	62.28	74.00	-11.72	Peak	Horizontal
4960.00	44.50	33.26	35.14	3.98	46.60	54.00	-7.40	Average	Horizontal
4960.00	53.88	33.26	35.14	3.98	55.98	74.00	-18.02	Peak	Vertical
4960.00	45.32	33.26	35.14	3.98	47.42	54.00	-6.58	Average	Vertical

The worst test result for π/4-DQPSK, Channel 0 / 2402 MHz

Freq. MHz	Reading dBuv	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuv/m	Limit dBuv/m	Margin dB	Remark	Pol.
4804.00	54.14	33.06	35.04	3.94	56.10	74.00	-17.90	Peak	Horizontal
4804.00	43.44	33.06	35.04	3.94	45.40	54.00	-8.60	Average	Horizontal
4804.00	57.42	33.06	35.04	3.94	59.38	74.00	-14.62	Peak	Vertical
4804.00	43.02	33.06	35.04	3.94	44.98	54.00	-9.02	Average	Vertical

The worst test result for π/4-DQPSK, Channel 39 / 2441 MHz

Freq. MHz	Reading dBuv	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuv/m	Limit dBuv/m	Margin dB	Remark	Pol.
4882.00	55.37	33.16	35.15	3.96	57.34	74.00	-16.66	Peak	Horizontal
4882.00	43.41	33.16	35.15	3.96	45.38	54.00	-8.62	Average	Horizontal
4882.00	60.24	33.16	35.15	3.96	62.21	74.00	-11.79	Peak	Vertical
4882.00	44.66	33.16	35.15	3.96	46.63	54.00	-7.37	Average	Vertical

The worst test result for π/4-DQPSK, Channel 78 / 2480 MHz

Freq. MHz	Reading dBuv	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuv/m	Limit dBuv/m	Margin dB	Remark	Pol.
4960.00	59.59	33.26	35.14	3.98	61.69	74.00	-12.31	Peak	Horizontal
4960.00	43.58	33.26	35.14	3.98	45.68	54.00	-8.32	Average	Horizontal
4960.00	53.68	33.26	35.14	3.98	55.78	74.00	-18.22	Peak	Vertical
4960.00	44.12	33.26	35.14	3.98	46.22	54.00	-7.78	Average	Vertical

The worst test result for 8-DPSK, Channel 0 / 2402 MHz

Freq. MHz	Reading dBuv	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuv/m	Limit dBuv/m	Margin dB	Remark	Pol.
4804.00	55.91	33.06	35.04	3.94	57.87	74.00	-16.13	Peak	Horizontal
4804.00	42.72	33.06	35.04	3.94	44.68	54.00	-9.32	Average	Horizontal
4804.00	57.17	33.06	35.04	3.94	59.13	74.00	-14.87	Peak	Vertical
4804.00	42.81	33.06	35.04	3.94	44.77	54.00	-9.23	Average	Vertical

The worst test result for 8-DPSK, Channel 39 / 2441 MHz

Freq. MHz	Reading dBuv	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuv/m	Limit dBuv/m	Margin dB	Remark	Pol.
4882.00	55.34	33.16	35.15	3.96	57.31	74.00	-16.69	Peak	Horizontal
4882.00	43.41	33.16	35.15	3.96	45.38	54.00	-8.62	Average	Horizontal
4882.00	60.94	33.16	35.15	3.96	62.91	74.00	-11.09	Peak	Vertical
4882.00	44.35	33.16	35.15	3.96	46.32	54.00	-7.68	Average	Vertical

The worst test result for 8-DPSK, Channel 78 / 2480 MHz

Freq. MHz	Reading dBuv	Ant. Fac dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuv/m	Limit dBuv/m	Margin dB	Remark	Pol.
4960.00	60.64	33.26	35.14	3.98	62.74	74.00	-11.26	Peak	Horizontal
4960.00	44.98	33.26	35.14	3.98	47.08	54.00	-6.92	Average	Horizontal
4960.00	54.00	33.26	35.14	3.98	56.10	74.00	-17.90	Peak	Vertical
4960.00	44.76	33.26	35.14	3.98	46.86	54.00	-7.14	Average	Vertical

Notes:

1). Measuring frequencies from 9 KHz~10th harmonic or 26.5GHz (which is less), at least have 20dB margin found between lowest internal used/generated frequency to 30MHz.

2). Radiated emissions measured in frequency range from 9 KHz~10th harmonic or 26.5GHz (which is less) were made with an instrument using Peak detector mode.

3). Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

4). Measured Level = Reading Level + Factor, Margin = Measured Level – Limit,
Factor = Antenna Factor + Cable Loss - Preamp Factor

6.7. AC Power Line Conducted Emissions

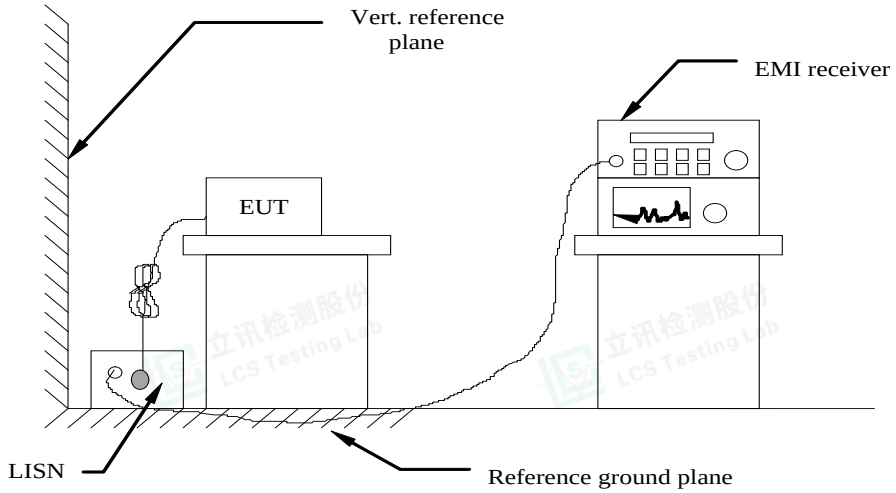
6.7.1 Standard Applicable

According to §15.207 (a): For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range is listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

* Decreasing linearly with the logarithm of the frequency

6.7.2 Block Diagram of Test Setup



6.7.3 Disturbance Calculation

The AC mains conducted disturbance is calculated by adding the 10dB Pulse Limiter and Cable Factor and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

CD (dBuV) = RA (dBuV) + PL (dB) + CL (dB)

Where CD = Conducted Disturbance	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	PL = 10 dB Pulse Limiter Factor

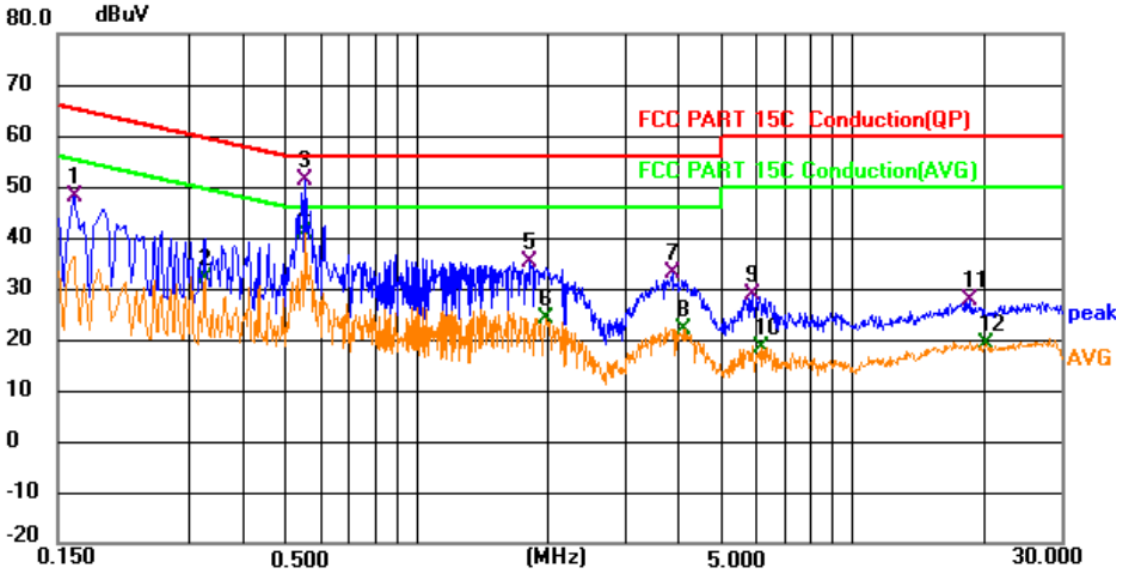
6.7.4 Test Results

Temperature	22.5℃	Humidity	53.7%
Test Engineer	Paddi Chen	Configurations	BT

PASS.

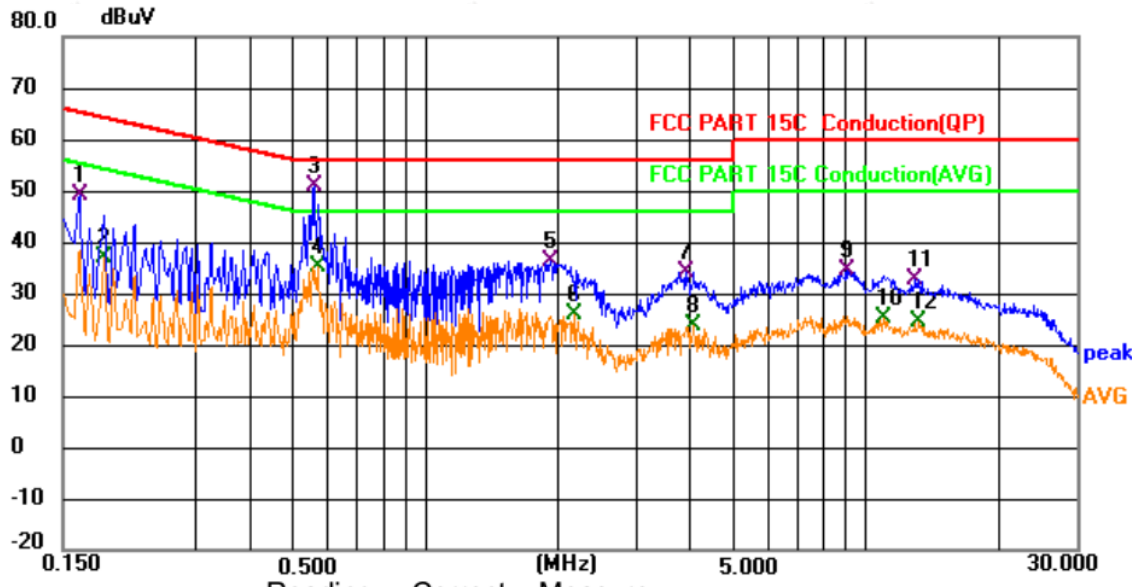
The test data please refer to following page.

Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.164	28.33	19.82	48.15	65.26	-17.11	QP	
2		0.326	12.01	19.86	31.87	49.55	-17.68	AVG	
3	*	0.555	31.42	19.67	51.09	56.00	-4.91	QP	
4		0.555	21.11	19.67	40.78	46.00	-5.22	AVG	
5		1.819	16.33	18.98	35.31	56.00	-20.69	QP	
6		1.977	5.10	18.95	24.05	46.00	-21.95	AVG	
7		3.840	13.70	19.17	32.87	56.00	-23.13	QP	
8		4.096	2.93	19.14	22.07	46.00	-23.93	AVG	
9		5.888	9.70	18.89	28.59	60.00	-31.41	QP	
10		6.167	-0.58	18.96	18.38	50.00	-31.62	AVG	
11		18.559	8.37	19.32	27.69	60.00	-32.31	QP	
12		20.211	0.08	19.04	19.12	50.00	-30.88	AVG	

Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.164	29.31	19.64	48.95	65.26	-16.31	QP	
2		0.186	17.34	19.72	37.06	54.21	-17.15	AVG	
3	*	0.558	31.47	19.42	50.89	56.00	-5.11	QP	
4		0.567	15.79	19.43	35.22	46.00	-10.78	AVG	
5		1.918	17.25	19.12	36.37	56.00	-19.63	QP	
6		2.178	6.68	19.12	25.80	46.00	-20.20	AVG	
7		3.901	15.02	18.99	34.01	56.00	-21.99	QP	
8		4.049	4.65	18.98	23.63	46.00	-22.37	AVG	
9		9.059	14.74	19.72	34.46	60.00	-25.54	QP	
10		10.963	5.49	19.57	25.06	50.00	-24.94	AVG	
11		12.920	13.18	19.66	32.84	60.00	-27.16	QP	
12		13.127	4.71	19.67	24.38	50.00	-25.62	AVG	

****Note: Pre-scan all modes and recorded the worst case results in this report (3Mbps-High Channel).*
Measurement = Reading + Correct Factor, Margin = Measurement – Limit,
Correct Factor=Lisn Factor+Cable Factor+Insertion loss of Pulse Limiter.

6.8. On Time and Duty Cycle

6.8.1. Standard Applicable

None: for reporting purpose only.

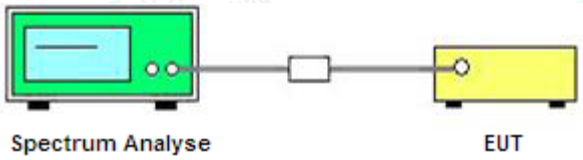
6.8.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of the spectrum analyzer.

6.8.3. Test Procedures

1. Set the center frequency of the spectrum analyzer to the transmitting frequency;
2. Set the span=0MHz, RBW=1.0MHz, VBW=3.0MHz, Sweep time=Auto
3. Detector = peak;
4. Trace mode = Single hold.

6.8.4. Test Setup Layout



6.8.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

6.8.6. Test result

For reporting purpose only.

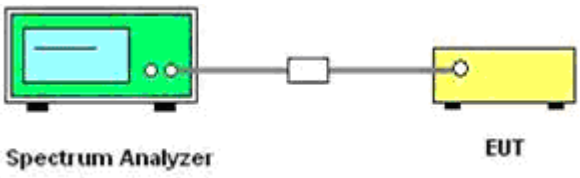
Please refer to Appendix A.8

6.9. Emissions in Restricted Bands

6.9.1 Standard Applicable

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

6.9.2. Test Setup Layout



6.9.3. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of Spectrum Analyzer.

6.9.4. Test Procedures

According to KDB 412172 section 1.1 Field Strength Approach (linear terms):

$eirp = p_t \times g_t = (E \times d)^2/30$

Where:

p_t = transmitter output power in watts,

g_t = numeric gain of the transmitting antenna (unitless),

E = electric field strength in V/m,

d = measurement distance in meters (m).

$erp = eirp/1.64 = (E \times d)^2/(30 \times 1.64)$

Where all terms are as previously defined.

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Remove the antenna from the EUT and then connect to a low loss RF cable from the antenna port to a EMI test receiver, then turn on the EUT and make it operate in transmitting mode. Then set it to Middle Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range.
3. Set both RBW and VBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100kHz bandwidth from band edge, for Radiated emissions restricted band RBW=1MHz, VBW=3MHz for peak detector and RBW=1MHz, VBW=1/T for AV detector.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

6. Measure the conducted output power (in dBm) using the detector specified by the appropriate regulatory agency for guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
7. Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see 12.2.5 for guidance on determining the applicable antenna gain)
8. Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
9. For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
10. Compare the resultant electric field strength level to the applicable regulatory limit.
11. Perform radiated spurious emission test duress until all measured frequencies were complete.

6.9.5. Test Results

PASS

Please refer to Appendix A.9

Remark:

1. *Measured at difference Packet Type for each mode and recorded worst case for each mode.*
2. *Worst case data at DH5 for GFSK, 2DH5 for π/4-DQPSK, 3DH5 for 8-DPSK modulation type;*
3. *Measured at Hopping and Non-Hopping mode, recorded worst at Non-Hopping mode.*
4. *The other emission levels were very low against the limit.*
5. *The average measurement was not performed when the peak measured data under the limit of average detection.*
6. *Detector AV is setting spectrum/receiver. RBW=1MHz/VBW=1/T/Sweep time=Auto/Detector=Peak;*
7. *Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.*

6.10. Pseudorandom Frequency Hopping Sequence

6.10.1 Standard Applicable

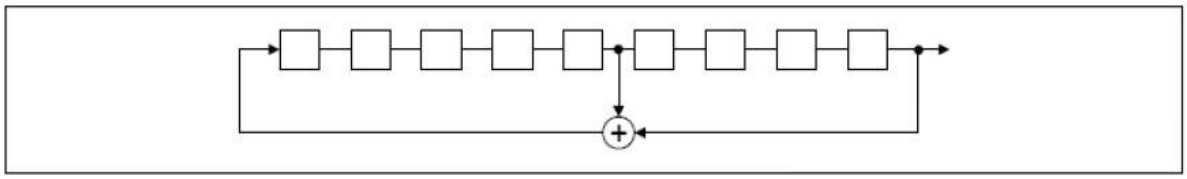
For 47 CFR Part 15C sections 15.247 (a) (1) requirement:

Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hop-ping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hop-ping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

6.10.2 EUT Pseudorandom Frequency Hopping Sequence Requirement

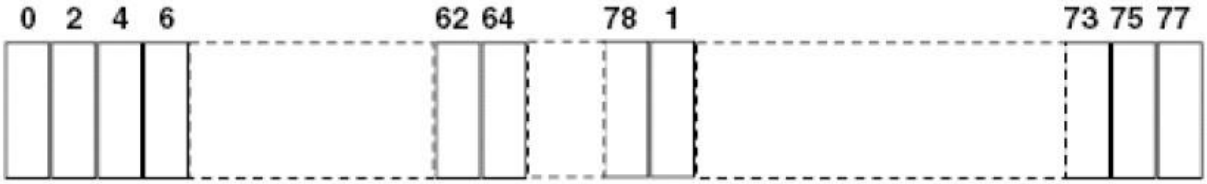
The pseudorandom frequency hopping sequence may be generated in a nice-stage shift register whose 5th first stage. The sequence begins with the first one of 9 consecutive ones, for example: the shift register is initialized with nine ones.

- Number of shift register stages:9
- Length of pseudo-random sequence:29-1=511 bits
- Longest sequence of zeros:8(non-inverted signal)



Linear Feedback Shift Register for Generation of the PRBS sequence

An example of pseudorandom frequency hopping sequence as follows:



Each frequency used equally one the average by each transmitter.
The system receiver have input bandwidths that match the hopping channel bandwidths of their corresponding transmitter and shift frequencies in synchronization with the transmitted signals.

6.11. Antenna Requirement

6.11.1 Standard Applicable

According to antenna requirement of §15.203.

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be re-placed by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

And according to §15.247(4)(1), system operating in the 2400-2483.5MHz bands that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

6.11.2 Antenna Connected Construction

6.11.2.1. Standard Applicable

According to § 15.203 & RSS-Gen, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

6.11.2.2. Antenna Connector Construction

The directional gains of antenna used for transmitting is 0.93dBi(Max), and the antenna is an PIFA Antenna connect to PCB board and no consideration of replacement. Please see EUT photo for details.

6.11.2.3. Results: Compliance.

7. TEST SETUP PHOTOGRAPHS OF EUT

Please refer to separated files for Test Setup Photos of the EUT.

8. EXTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

9. INTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

----------THE END OF TEST REPORT----------

SAR TEST REPORT

For

Lunar Industries inc.

Smart Phone

Test Model: BraX3

Prepared for	:	Lunar Industries inc.
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel	:	(+86)755-82591330
Fax	:	(+86)755-82591332
Web	:	www.LCS-cert.com
Mail	:	webmaster@LCS-cert.com

Date of receipt of test sample	:	February 26, 2025
Number of tested samples	:	1
Sample number	:	A250303080-1
Serial number	:	Prototype
Date of Test	:	February 26, 2025 ~ March 31, 2025
Date of Report	:	April 1, 2025

SAR TEST REPORT	
Report Reference No.....:	LCSA11204234EB
Date Of Issue .....:	April 1, 2025
Testing Laboratory Name..... :	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address ..... :	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Testing Location/ Procedure ..... :	Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □
Applicant's Name ..... :	**Lunar Industries inc.**
Address.....:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Test Specification:	
Standard.....:	FCC 47CFR § 2.1093, ANSI/IEEE C95.1-2019, IEEE 1528-2013
Test Report Form No.....:	TRF-4-E-102 A/0
TRF Originator.....:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF .....:	Dated 2014-09

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Test Item Description. ..... :	**Smart Phone**
Trade Mark.....:	Brax
Model/Type Reference .....:	BraX3
Ratings.....:	Please Refer to Page 11
Result ..... :	**Positive**

Compiled by:	**Supervised by:**	**Approved by:**
Jay Zhan/ File administrators	Jack Liu / Technique principal	Gavin Liang/ Manager

SAR -- TEST REPORT

Test Report No. :	LCSA11204234EB	April 1, 2025 Date of issue

EUT.....	:	Smart Phone
Type/Model	:	BraX3
Applicant.....	**:**	**Lunar Industries inc.**
Address.....	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	:	/
Fax.....	:	/
Manufacturer.....	**:**	**COOSEA GROUP (HK) COMPANY LIMITED**
Address.....	:	UNIT 503 5/F SILVERCORD TOWER 2 30 CANTON ROAD TSIMSHATSUI KL
Telephone.....	:	/
Fax.....	:	/
Factory.....	**:**	**Sichuan koobee communication equipment Co., Ltd.**
Address.....	:	Building 2, No.69, West of gangyuan Road, Lingang economic and technological development zone, Yibin City, Sichuan Province, P.R.China
Telephone.....	:	/
Fax.....	:	/

Test Result	**Positive**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revison History

Revision	Issue Date	Revision Content	Revised By
000	April 1, 2025	Initial Issue	---

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1. TEST STANDARDS AND TEST DESCRIPTION

1.1. Statement of Compliance

The maximum of results of SAR found during testing for BraX3 are follows:

<Highest Reported standalone SAR Summary>

Classment Class	Frequency Band	Antenna	Head (Report SAR1-g (W/kg)	Hotspot/Body-worn (Report SAR1-g (W/kg) (Separation Distance 10mm)
PCE	GSM 850	0	0.165	0.204
	GSM1900	3	0.669	0.638
	WCDMA Band II	3	0.636	0.544
	WCDMA Band IV	3	0.514	0.560
	WCDMA Band V	0	0.159	0.250
	LTE Band 7	3	0.672	0.602
	LTE Band 12/17	0	0.228	0.237
	LTE Band 13	0	0.228	0.221
	LTE Band 25/2	3	0.777	0.585
	LTE Band 26/5	0	0.218	0.230
	LTE Band 41/38	3	0.671	0.732
	LTE Band 66/4	3	0.793	0.591
	LTE Band 71	0	0.169	0.198
	NR Band 2	3	0.594	0.775
	NR Band 5	0	0.196	0.200
	NR Band 7	3	0.624	0.665
	NR Band 25	3	0.727	0.546
	NR Band 26	0	0.206	0.216
	NR Band 38	3	0.719	0.736
	NR Band 41	3	0.638	0.764
	NR Band 66	3	0.654	0.462
	NR Band 71	0	0.169	0.183
	NR Band 77	4	0.781	0.432
	NR Band 78	4	0.772	0.427
DTS	WIFI2.4G	5	0.245	0.125
NII	WIFI5.2G	5	0.107	0.538
	WIFI5.3G	5	0.281	0.707
	WIFI5.5G	5	0.120	0.192
	WIFI5.8G	5	0.154	0.231

Note

1) This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-2005, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013.
2) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode;
3) Body worn only Front side,Rear side

<Highest Reported simultaneous SAR Summary>

Exposure Position	Classment Class	Report SAR1-g (W/kg	Highest Reported Simultaneous Transmission SAR1-g (W/kg)
Body	PCE	0.775	1.482
	NII	0.707	

1.2. Test Location

Company:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Telephone:	(+86)755-82591330
Fax:	(+86)755-82591330
Web:	www.LCS-cert.com
E-mail:	webmaster@LCS-cert.com

1.3. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

Site Description

SAR Lab. : NVLAP Accreditation Code is 600167-0.
FCC Designation Number is CN5024.
CAB identifier is CN0071.
CNAS Registration Number is L4595.
Test Firm Registration Number: 254912.

1.4. Test Laboratory Environment

Temperature	Min. = 18°C, Max. = 25 °C
Relative humidity	Min. = 30%, Max. = 70%
Ground system resistance	< 0.5 Ω
Atmospheric pressure:	950-1050mbar
Ambient noise is checked and found very low and in compliance with requirement of standards. Reflection of surrounding objects is minimized and in compliance with requirement of standards.	

1.5. Product Description

The **Lunar Industries inc.**'s Model: BraX3 or the "EUT" as referred to in this report; more general information as follows, for more details, refer to the user's manual of the EUT.

EUT	:	Smart Phone
Test Model	:	BraX3
Ratings	:	Input:5V⎓2A DC 3.87V by Rechargeable Li-ion Battery, 4900mAh
Hardware Version	:	KE115S_01
Software Version	:	V600.BX3.25032025.16.19.AD
Bluetooth	:	
Frequency Range	:	2402MHz~2480MHz
Channel Number	:	79 channels for Bluetooth V5.2 (DSS) 40 channels for Bluetooth V5.2 (DTS)
Channel Spacing	:	1MHz for Bluetooth V5.2 (DSS) 2MHz for Bluetooth V5.2 (DTS)
Modulation Type	:	GFSK, π/4-DQPSK, 8-DPSK for Bluetooth V5.2 (DSS) GFSK for Bluetooth V5.2 (DTS)
Bluetooth Version	:	V5.2
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(2.4G Band)	:	
Frequency Range	:	2412MHz~2462MHz
Channel Spacing	:	5MHz
Channel Number	:	11 Channels for 20MHz bandwidth (2412~2462MHz) 7 Channels for 40MHz bandwidth (2422~2452MHz)
Modulation Type	:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(5.2G Band)	:	
Frequency Range	:	5180MHz~5240MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5180MHz~5240MHz) 2 channels for 40MHz bandwidth(5190MHz~5230MHz) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.3G Band)		
Frequency Range	:	5260MHz~5320MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5260MHz~5320MHz) 2 channels for 40MHz bandwidth(5270MHz~5310MHz) 1 channels for 80MHz bandwidth(5290MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.5G Band)	:	
Frequency Range	:	5500MHz~5700MHz
Channel Number	:	11 Channels for 20MHz bandwidth(5500MHz~5700MHz)

		5 Channels for 40MHz bandwidth(5510MHz~5670MHz) 2 Channels for 80MHz bandwidth(5530MHz, 5610MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.8G Band)	:	
Frequency Range	:	5745MHz~5825MHz
Channel Number	:	5 channels for 20MHz bandwidth(5745MHz~5825MHz) 2 channels for 40MHz bandwidth(5755MHz~5795MHz) 1 channels for 80MHz bandwidth(5775MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5),0.65dBi(Max.)
2G	:	
Support Band	:	☒GSM 900 (EU-Band) ☒DCS 1800 (EU-Band) ☒GSM 850 (U.S.-Band) ☒PCS 1900 (U.S.-Band)
Release Version	:	R9
GPRS Class	:	Class 12
EGPRS Class	:	Class 12
Type Of Modulation	:	GMSK for GSM/GPRS; GMSK/8PSK for EGPRS
Antenna Description	:	GSM 850: -3.2 dBi(ANT0), -6.0 dBi(ANT3) PCS 1900: -0.8 dBi(ANT3), -2.0 dBi(ANT0)
3G	:	
Support Band	:	☒WCDMA Band I (EU-Band) ☒WCDMA Band II (U.S.-Band) ☒WCDMA Band IV (U.S.-Band) ☒WCDMA Band V (U.S.-Band) ☒WCDMA Band VIII (EU-Band)
Release Version	:	R9
Type Of Modulation	:	QPSK,16QAM
Antenna Description	:	PIFA Antenna WCDMA Band II -0.8 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band IV -1.45 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band V -3.2 dBi(ANT0), -6.0 dBi(ANT3)
LTE	:	
Support Band	:	☒E-UTRA Band 1(EU-Band) ☒E-UTRA Band 2(U.S.-Band) ☒E-UTRA Band 3(EU-Band) ☒E-UTRA Band 4(U.S.-Band) ☒E-UTRA Band 5(U.S.-Band) ☒E-UTRA Band 7(U.S.-Band) ☒E-UTRA Band 8(EU-Band) ☒E-UTRA Band 12(U.S.-Band) ☒E-UTRA Band 13(U.S.-Band) ☒E-UTRA Band 17(U.S.-Band) ☒E-UTRA Band 25(U.S.-Band) ☒E-UTRA Band 26(U.S.-Band) ☒E-UTRA Band 28(EU-Band) ☒E-UTRA Band 38(U.S.-Band) ☒E-UTRA Band 40(EU-Band) ☒E-UTRA Band 41(U.S.-Band)

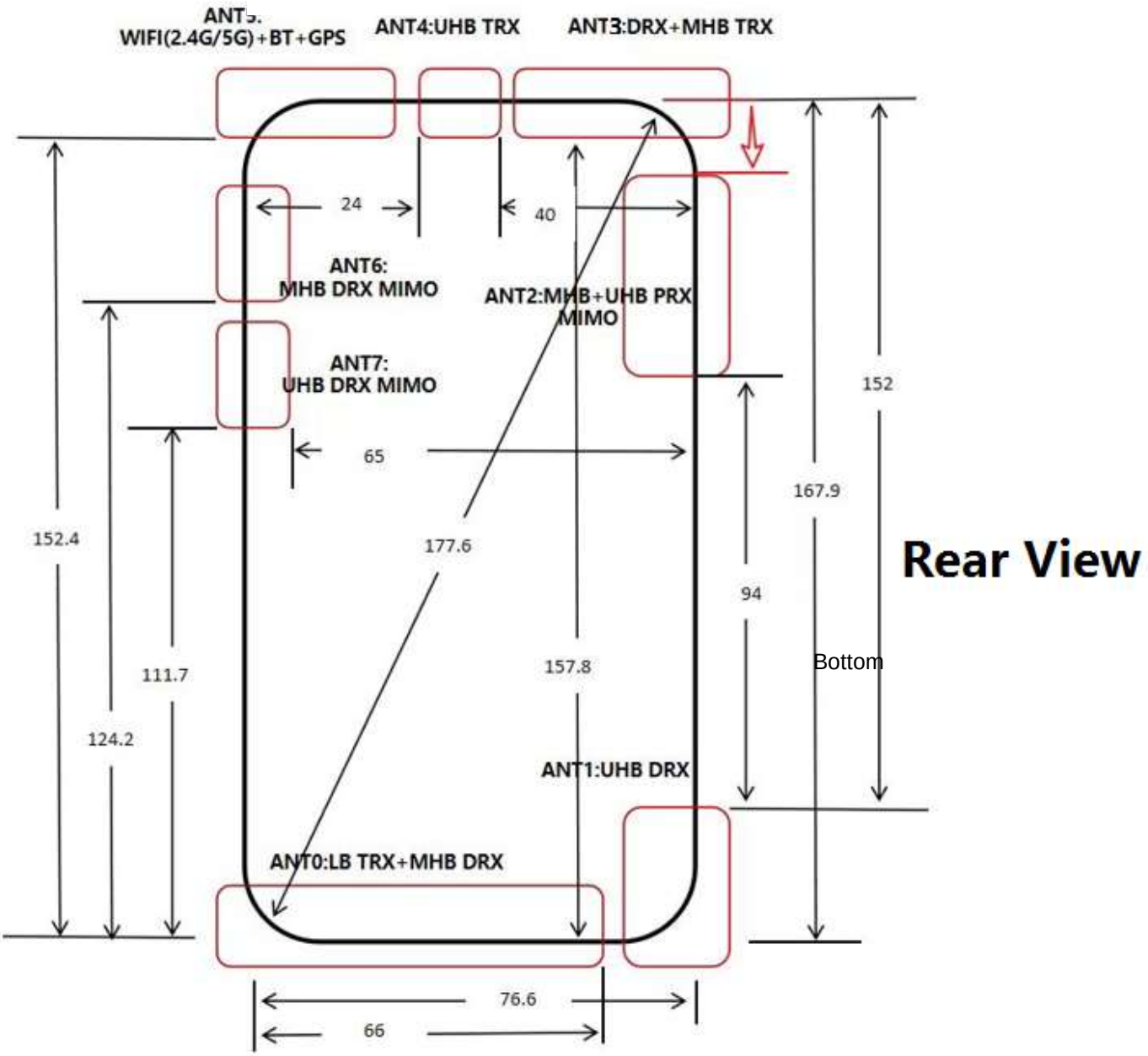
☒E-UTRA Band 42(EU-Band)
☒E-UTRA Band 66(U.S.-Band)
☒E-UTRA Band 71(U.S.-Band)

LTE Release Version	:	R15
Type Of Modulation	:	QPSK/16QAM
Antenna Description	:	PIFA Antenna For E-UTRA Band 2 -0.8 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 4 -1.45 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 5 -3.2 dBi(ANT0),-1.8 dBi(ANT3) For E-UTRA Band 7 -0.6 dBi(ANT3),-1.8 dBi(ANT0), -1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 12 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 13 -3.0 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 17 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 25 -0.75 dBi(ANT3), -2.0 dBi(ANT0) ,-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 26 -3.3 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 38 -0.6 dBi(ANT3),-1.1 dBi(ANT0),-1.8 dBi(ANT2), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 41 –0.6 dBi(ANT3), -1.1 dBi(ANT0),-1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 66 -0.78 dBi(ANT3), -2.0 dBi(ANT0),-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 71 -3.3 dBi(ANT0), -2.0 dBi(ANT3)
Power Class	:	Class 3
NR	:	
Operation Band	:	SA Band: n1: UL: 1920MHz~1980MHz, DL: 2110MHz~2170MHz n2: UL: 1850MHz~1910MHz, DL: 1930MHz~1990MHz n3: UL: 1710MHz~1785MHz, DL:1805MHz~1880MHz n5: UL: 824MHz~849MHz, DL:869MHz~894MHz n7: UL: 2500MHz~2570MHz, DL: 2620MHz~2690MHz n25: UL: 1850MHz~1915MHz, DL: 1930MHz~1995MHz n26: UL: 814MHz~849MHz, DL: 859MHz~894MHz n28: UL: 703MHz~748MHz, DL: 758MHz~803MHz n38: UL & DL: 2570MHz~2620MHz n40: UL & DL: 2300MHz~2400MHz n41: UL & DL: 2496MHz~2690MHz n66: UL: 1710MHz~1780MHz, DL: 2110MHz~2180MHz n71: UL: 663MHz~698MHz, DL: 617MHz~652MHz n77: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3980 MHz n78: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3800 MHz
Support Type	:	☒SA
Subcarrier Spacing	:	15KHz,30KHz
Modulation Type	:	DFT-BPSK, DFT-QPSK, DFT-16QAM, DFT-64QAM, DFT-256QAM CP-QPSK, CP-16QAM, CP-64QAM, CP-256QAM
SCS and Channel Bandwidths	:	n2_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,35 MHz,40 MHz n5_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n7_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz,50MHz n25_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz

		n26_SCS 15kHz(814~824MHz): 5 MHz,10 MHz n26_SCS 15kHz(824~849MHz): 5 MHz,10 MHz,15 MHz,20 MHz n38_SCS 30kHz:10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n41_SCS 30kHz: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz,90 MHz,100 MHz n66_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n71_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n77_SCS 30kHz: 20 MHz,50 MHz,100 MHz n78_SCS 30kHz: 20 MHz,50 MHz,100 MHz
Power Class	:	NR Band 2/5/7/25/26/38/41:PC3 NR Band 66/71/77/78: PC2
Antenna Description	:	PIFA Antenna NR Band n2: -0.8 dBi(ANT3), -6.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n5: -3.2 dBi(ANT0), -6.0 dBi(ANT3) NR Band n7: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n25: -0.75 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n26: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n38: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n41: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n66: -0.78 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n71: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n77: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7) NR Band n78: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7)
NFC	:	
Operating Frequency	:	13.56MHz
Modulation Type	:	ASK
Antenna Description	:	Internal Antenna
GPS Function	:	Support and only RX
FM Function	:	Support and only RX

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

1.6. DUT Antenna Locations



1)

Antenna	Support Band
Ant 0	GSM850, GSM900, WCDMA_B5, WCDMA_B8,LTE_B5, LTE_B8,LTE_B12,LTE_B13,LTE_B17,LTE_B26, LTE_B28,LTE_B71;NR_B5,NR_B26;NR_B28;NR_B71 **TRX** GSM1800, GSM1900, WCDMA_B1, WCDMA_B2,WCDMA_B4, LTE_B1,LTE_B2, LTE_B3, LTE_B4, LTE_B7,LTE_B38,LTE_B40,LTE_B41,LTE_B42,LTE_B66,N1,N2,N3,N7,N25,N38,N40,N41N66 **DRX**
Ant 1	n78 DRX
Ant 2	LTE_B2,LTE_B4,LTE_B66,LTE_B7,LTE_B38,N1,N66,N38,N7,N78 **PRXMIMO**
Ant 3	GSM850, GSM900, WCDMA_B5, WCDMA_B8,LTE_B5, LTE_B8,LTE_B12,LTE_B13,LTE_B17,LTE_B26, LTE_B28,LTE_B71;NR_B5,NR_B26;NR_B28;NR_B71 **DRX** GSM1800, GSM1900, WCDMA_B1, WCDMA_B2,WCDMA_B4, LTE_B1,LTE_B2, LTE_B3, LTE_B4, LTE_B7,LTE_B38,LTE_B40,LTE_B41,LTE_B42,LTE_B66,N1,N2,N3,N7,N25,N38,N40,N41N66 **TRX**
Ant 4	N78 **TRX**
Ant 5	2.4GWIFI BT 5GWIFI GPS L1
Ant 6	LTE_B2,LTE_B4,LTE_B66,LTE_B7,LTE_B38,N1,N66,N38,N7 **DRXMIMO**
Ant 7	N78 **DRXMIMO**

According to the distance between NR/LTE/WCDMA/GSM&WIFI&BT antennas and the sides of the EUT we can draw the conclusion that:

Distance from the antenna to the EUT edge(mm)						
Mode	Front	Back	Left	Right	Top	Bottom
Antenna 0	5	5	10.6	5	158	5
Antenna 3	5	5	5	37	5	157.8
Antenna 4	5	5	40	24	5	157.8
Antenna 5	5	5	54	5	30	152.4

EUT Sides for SAR Testing							
Mode	Exposure Condition	Front	Back	Left	Right	Top	Bottom
Antenna 0	Body 1g SAR	Yes	Yes	Yes	Yes	No	Yes
Antenna 3	Body 1g SAR	Yes	Yes	Yes	No	Yes	No
Antenna 4	Body 1g SAR	Yes	Yes	No	Yes	Yes	No
Antenna 5	Body 1g SAR	Yes	Yes	No	Yes	No	No

Table 1： EUT Sides for SAR Testing

Note:

When the antenna-to-edge distance is greater than 2.5cm, such position does not need to be tested.

1.7. Test Specification

Identity	Document Title
FCC 47CFR §2.1093	Radiofrequency Radiation Exposure Evaluation: Portable Devices
ANSI/IEEE C95.1-1992	IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz – 300 GHz.
IEEE 1528-2013	Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques
KDB 941225 D01	3G SAR Measurement Procedures v03r01
KDB 941225 D05	SAR for LTE Devices v02r05
KDB 941225 D06	Hotspot Mode SAR v02r01
KDB 248227 D01	SAR Guidance for IEEE 802 11 Wi-Fi SAR v02r02
KDB 648474 D04	Handset SAR v01r03
KDB 447498 D01	General RF Exposure Guidance v06
KDB 865664 D01	SAR Measurement 100 MHz to 6 GHz v01r04
KDB 865664 D02	RF Exposure Reporting v01r02
KDB 690783 D01	SAR Listings on Grants v01r03

1.8. RF exposure limits

Human Exposure	Uncontrolled Environment General Population	Controlled Environment Occupational
Spatial Peak SAR* (Brain*Trunk)	**1.60 mW/g**	8.00 mW/g
Spatial Average SAR** (Whole Body)	0.08 mW/g	0.40 mW/g
Spatial Peak SAR*** (Hands/Feet/Ankle/Wrist)	**4.00 mW/g**	20.00 mW/g

Notes:

* The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time

** The Spatial Average value of the SAR averaged over the whole body.

*** The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

Uncontrolled Environments are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure.

Controlled Environments are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation.)

1.9. Equipment list

Test Platform	SPEAG DASY5 Professional
Description	SAR Test System (Frequency range 300MHz-6GHz)
Software Reference	DASY52; SEMCAD X

Hardware Reference

	Equipment	Manufacturer	Model	Serial Number	Calibration Date	Due date of calibration
☒	PC	Lenovo	NA	NA	NA[1]	NA[1]
☒	Twin Phantom	SPEAG	SAM V5.0	1850	NA[1]	NA[1]
☒	ELI Phantom	SPEAG	ELI V6.0	2010	NA[1]	NA[1]
☒	DAE	SPEAG	DAE3	373	2025/2/17	2026/2/16
☒	E-Field Probe	SPEAG	EX3DV4	3805	2025/2/25	2026/2/24
☒	Validation Kits	SPEAG	D750V3	1191	2023/6/15	2026/6/14
☒	Validation Kits	SPEAG	D835V2	4d124	2023/10/24	2026/10/23
☒	Validation Kits	SPEAG	D1750V2	1035	2023/6/12	2026/6/11
☒	Validation Kits	SPEAG	D1900V2	5d055	2023/10/20	2026/10/19
☒	Validation Kits	SPEAG	D2450V2	808	2023/10/23	2026/10/22
☒	Validation Kits	SPEAG	D2600V2	1071	2023/6/20	2026/6/19
☒	Validation Kits	SPEAG	D3700V2	1054	2023/6/15	2026/6/14
☒	Validation Kits	SPEAG	D5GHzV2	1046	2023/10/23	2026/10/22
☒	Agilent Network Analyzer	Agilent	8753E	SU38432944	2024/6/6	2025/6/5
☒	Dielectric Probe Kit	SPEAG	DAK3.5	1425	2024/6/6	2025/6/5
☒	Universal Radio Communication Tester	R&S	CMW500	42115	2024/10/8	2025/10/7
☒	Wireless Communication Analyzer	Anritsu	MT8821C	6262257865	2024-06-06	2025-06-05
☒	Wireless communication test base station	Anritsu	MT8000A	6262208376	2024-06-06	2025-06-05
☒	Directional Coupler	MCLI/USA	4426-20	03746	2024/6/6	2025/6/5
☒	Power meter	Agilent	E4419B	MY45104493	2024/10/8	2025/10/7
☒	Power meter	Agilent	E4419B	MY45100308	2024/10/8	2025/10/7
☒	Power sensor	Agilent	E9301H	MY41495616	2024/10/8	2025/10/7
☒	Power sensor	Agilent	E9301H	MY41495234	2024/10/8	2025/10/7
☒	Signal Generator	Agilent	E4438C	MY49072627	2024/6/6	2025/6/5
☒	Broadband Preamplifier	/	BP-01M18G	P190501	2024/6/6	2025/6/5
☒	DC POWER SUPPLY	I-SHENG	SP-504	NA	2024/6/6	2025/6/5
☒	Speed reading thermometer	HTC-1	NA	LCS-E-138	2024/6/6	2025/6/5

Note: All the equipments are within the valid period when the tests are performed.

"1" : NA as this is not measurement equipment.

2. SAR MEASUREMENTS SYSTEM CONFIGURATION

2.1. SAR Measurement System

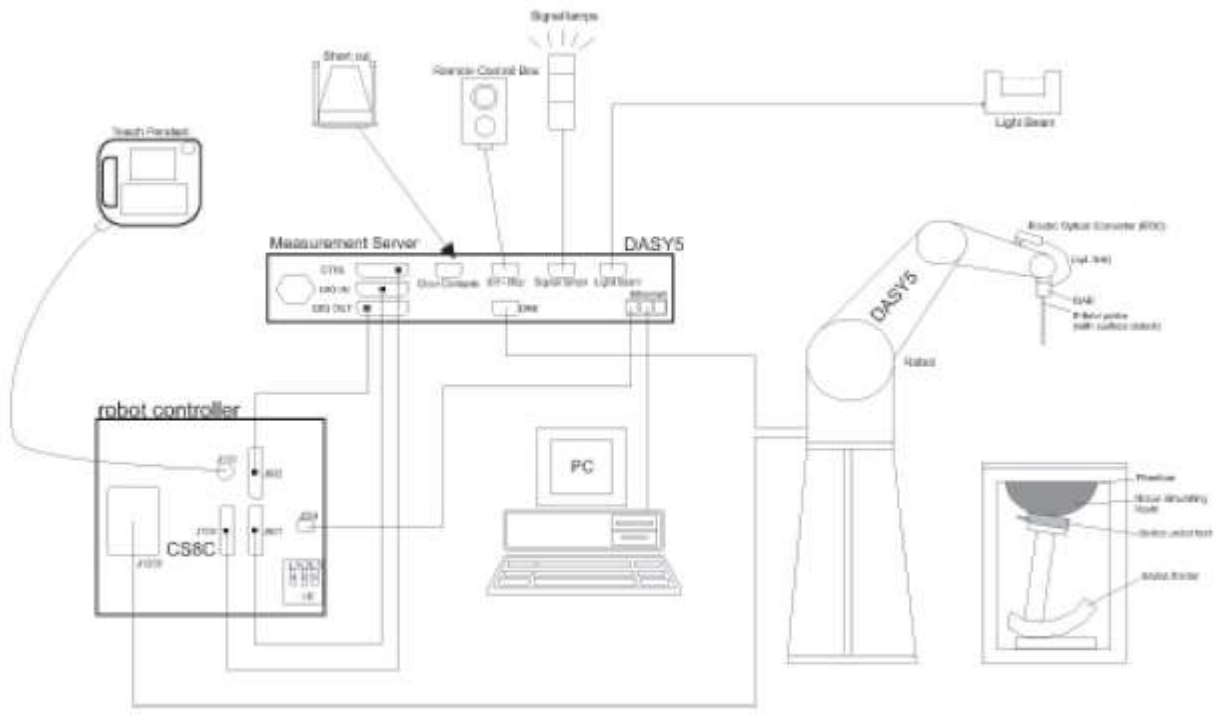
This SAR Measurement System uses a Computer-controlled 3-D stepper motor system (SPEAG DASY5 professional system). A E-field probe is used to determine the internal electric fields. The SAR can be obtained from the equation SAR= σ (|Ei|2)/ ρ where σ and ρ are the conductivity and mass density of the tissue-Simulate.

The DASY5 system for performing compliance tests consists of the following items:
A standard high precision 6-axis robot (Stabile RX family) with controller, teach pendant and software .An arm extension for accommodation the data acquisition electronics (DAE).

A dosimetric probe, i.e., an isotropic E-field probe optimized and calibrated for usage in tissue simulating liquid. The probe is equipped with an optical surface detector system.

A data acquisition electronics (DAE) which performs the signal amplification, signal multiplexing, AD-conversion, offset measurements, mechanical surface detection, collision detection, etc. The unit is battery powered with standard or rechargeable batteries. The signal is optically transmitted to the EOC.

The Electro-optical converter (EOC) performs the conversion between optical and electrical of the signals for the digital communication to DAE and for the analog signal from the optical surface detection. The EOC is connected to the measurement server.



F-1. SAR Measurement System Configuration

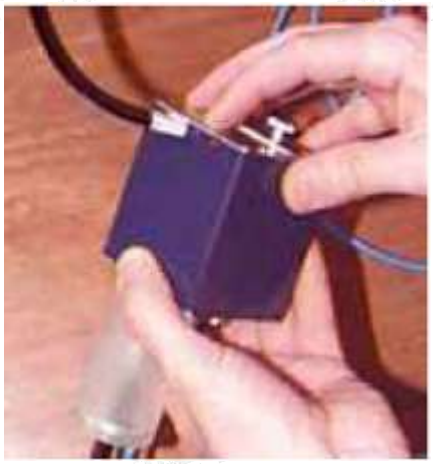
- The function of the measurement server is to perform the time critical tasks such as signal filtering, control of the robot operation and fast movement interrupts.
- A probe alignment unit which improves the (absolute) accuracy of the probe positioning.
- A computer operating Windows 7.
- DASY5 software.
- Remote control with teach pendant and additional circuitry for robot safety such as warning lamps, etc.
- The SAM twin phantom enabling testing left-hand, right-hand and Body Worn usage.
- The device holder for handheld mobile phones.
- Tissue simulating liquid mixed according to the given recipes.
- Validation dipole kits allowing to validating the proper functioning of the system.

2.2. Isotropic E-field Probe EX3DV4

	Symmetrical design with triangular core Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., DGBE)
Calibration	ISO/IEC 17025 calibration service available.
Frequency	10 MHz to > 6 GHz Linearity: ± 0.2 dB (30 MHz to 6 GHz)
Directivity	± 0.3 dB in TSL (rotation around probe axis) ± 0.5 dB in TSL (rotation normal to probe axis)
Dynamic Range	10 µW/g to > 100 mW/g Linearity: ± 0.2 dB (noise: typically < 1 µW/g)
Dimensions	Overall length: 337 mm (Tip: 20 mm) Tip diameter: 2.5 mm (Body: 12 mm) Typical distance from probe tip to dipole centers: 1 mm
Application	High precision dosimetric measurements in any exposure scenario (e.g., very strong gradient fields); the only probe that enables compliance testing for frequencies up to 6 GHz with precision of better 30%.
Compatibility	DASY3, DASY4, DASY52 SAR and higher, EASY4/MRI

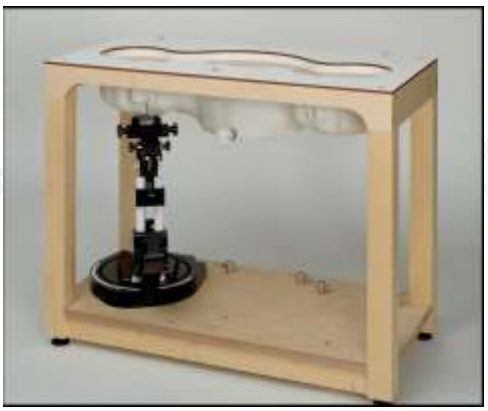
2.3. Data Acquisition Electronics (DAE)

Model	DAE
Construction	Signal amplifier, multiplexer, A/D converter and control logic. Serial optical link for communication with DASY4/5 embedded system (fully remote controlled). Two step probe touch detector for mechanical surface detection and emergency robot stop.
Measurement Range	-100 to +300 mV (16 bit resolution and two range settings: 4mV,400mV)
Input Offset Voltage	< 5µV (with auto zero)
Input Bias Current	< 50 f A
Dimensions	60 x 60 x 68 mm



2.4. SAM Twin Phantom

Material	Vinylester, glass fiber reinforced (VE-GF)
Liquid Compatibility	Compatible with all SPEAG tissue simulating liquids (incl. DGBE type)
Shell Thickness	2 ± 0.2 mm (6 ± 0.2 mm at ear point)
Dimensions (incl. Wooden Support)	Length: 1000 mm Width: 500 mm Height: adjustable feet
Filling Volume	approx. 25 liters
Wooden Support	SPEAG standard phantom table



The shell corresponds to the specifications of the Specific Anthropomorphic Mannequin (SAM) phantom defined in IEC-IEEE 62209-1528. It enables the dosimetric evaluation of left and right hand phone usage as well as body mounted usage at the flat phantom region. A cover prevents evaporation of the liquid. Reference markings on the phantom allow the complete setup of all predefined phantom positions and measurement grids by teaching three points with the robot.

Twin SAM V5.0 has the same shell geometry and is manufactured from the same material as Twin SAM V4.0, but has reinforced top structure.

2.5. ELI Phantom

Material	Vinylester, glass fiber reinforced (VE-GF)
Liquid Compatibility	Compatible with all SPEAG tissue simulating liquids (incl. DGBE type)
Shell Thickness	2.0 ± 0.2 mm (bottom plate)
Dimensions	Major axis: 600 mm Minor axis: 400 mm
Filling Volume	approx. 30 liters
Wooden Support	SPEAG standard phantom table



Phantom for compliance testing of handheld and body-mounted wireless devices in the frequency range of 30 MHz to 6 GHz. ELI is fully compatible with the IEC 62209-2 standard and all known tissue simulating liquids. ELI has been optimized regarding its performance and can be integrated into our standard phantom tables. A cover prevents evaporation of the liquid. Reference markings on the phantom allow installation of the complete setup, including all predefined phantom positions and measurement grids, by teaching three points. The phantom is compatible with all SPEAG dosimetric probes and dipoles.

ELI V5.0 has the same shell geometry and is manufactured from the same material as ELI4, but has reinforced top structure.

2.6. Device Holder for Transmitters



F-2. **Device Holder for Transmitters**

- The DASY device holder is designed to cope with different positions given in the standard. It has two scales for the device rotation (with respect to the body axis) and the device inclination (with respect to the line between the ear reference points). The rotation centres for both scales are the ear reference point (ERP). Thus the device needs no repositioning when changing the angles.
- The DASY device holder has been made out of low-loss POM material having the following dielectric parameters: relative permittivity ε=3 and loss tangent δ=0.02. The amount of dielectric material has been reduced in the closest vicinity of the device, since measurements have suggested that the influence of the clamp on the test results could thus be lowered.

2.7. Measurement procedure

2.7.1. Scanning procedure

Step 1: Power reference measurement

The “reference” and “drift” measurements are located at the beginning and end of the batch process. They measure the field drift at one single point in the liquid over the complete procedure.

Step 2: Area scan

The SAR distribution at the exposed side of the head was measured at a distance of 4mm from the inner surface of the shell. The area covered the entire dimension of the head and the horizontal grid spacing was 15mm*15mm or 12mm*12mm or 10mm*10mm.Based on the area scan data, the area of the maximum absorption was determined by spline interpolation.

Step 3: Zoom scan

Around this point, a volume of 32mm*32mm*30mm (f≤2GHz), 30mm*30mm*30mm (f for 2-3GHz) and 24mm*24mm*22mm (f for 5-6GHz) was assessed by measuring 5x5x7 points (f≤2GHz), 7x7x7 points (f for 2-3GHz) and 7x7x12 points (f for 5-6GHz). On this basis of this data set, the spatial peak SAR value was evaluated with the following procedure:

The data at the surface was extrapolated, since the centre of the dipoles is 2.0mm away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.2mm. (This can be variable. Refer to the probe specification).The extrapolation was based on a least square algorithm. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip. The maximum interpolated value was searched with a straight-forward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1g or 10g) were computed using the 3D-Spline interpolation algorithm. The volume was integrated with the trapezoidal algorithm. One thousand points were interpolated to calculate the average. All neighbouring volumes were evaluated until no neighboring volume with a higher average value was found.

The area and zoom scan resolutions specified in the table below must be applied to the SAR measurements Probe boundary effect error compensation is required for measurements with the probe tip closer than half a probe tip diameter to the phantom surface. Both the probe tip diameter and sensor offset distance must satisfy measurement protocols; to ensure probe boundary effect errors are minimized and the higher fields closest to the phantom surface can be correctly measured and extrapolated to the phantom surface for computing 1-g SAR. Tolerances of the post-processing algorithms must be verified by the test laboratory for the scan resolutions used in the SAR measurements, according to the reference distribution functions specified in IEEE Std. 1528-2013.

			≤ 3 GHz	> 3 GHz
Maximum distance from closest measurement point (geometric center of probe sensors) to phantom surface			5 ± 1 mm	½·δ·ln(2) ± 0.5 mm
Maximum probe angle from probe axis to phantom surface normal at the measurement location			30° ± 1°	20° ± 1°
Maximum area scan spatial resolution: Δx_{Area}, Δy_{Area}			≤ 2 GHz: ≤ 15 mm 2 – 3 GHz: ≤ 12 mm	3 – 4 GHz: ≤ 12 mm 4 – 6 GHz: ≤ 10 mm
			When the x or y dimension of the test device, in the measurement plane orientation, is smaller than the above, the measurement resolution must be ≤ the corresponding x or y dimension of the test device with at least one measurement point on the test device.	
Maximum zoom scan spatial resolution: Δx_{Zoom}, Δy_{Zoom}			≤ 2 GHz: ≤ 8 mm 2 – 3 GHz: ≤ 5 mm*	3 – 4 GHz: ≤ 5 mm* 4 – 6 GHz: ≤ 4 mm*
Maximum zoom scan spatial resolution, normal to phantom surface	uniform grid: $\Delta z_{Zoom}(n)$		≤ 5 mm	3 – 4 GHz: ≤ 4 mm 4 – 5 GHz: ≤ 3 mm 5 – 6 GHz: ≤ 2 mm
	graded grid	$\Delta z_{Zoom}(1)$: between 1st two points closest to phantom surface	≤ 4 mm	3 – 4 GHz: ≤ 3 mm 4 – 5 GHz: ≤ 2.5 mm 5 – 6 GHz: ≤ 2 mm
		$\Delta z_{Zoom}(n>1)$: between subsequent points	≤ 1.5·$\Delta z_{Zoom}(n-1)$	
Minimum zoom scan volume	x, y, z		≥ 30 mm	3 – 4 GHz: ≥ 28 mm 4 – 5 GHz: ≥ 25 mm 5 – 6 GHz: ≥ 22 mm

Step 4: Power reference measurement (drift)

The Power Drift Measurement job measures the field at the same location as the most recent power reference measurement job within the same procedure, and with the same settings. The indicated drift is mainly the variation of the DUT's output power and should vary max. ± 5 %

2.7.2. Data Storage

The DASY software stores the acquired data from the data acquisition electronics as raw data (in microvolt readings from the probe sensors), together with all necessary software parameters for the data evaluation (probe calibration data, liquid parameters and device frequency and modulation data) in measurement files with the extension ".DAE4". The software evaluates the desired unit and format for output each time the data is visualized or exported. This allows verification of the complete software setup even after the measurement and allows correction of incorrect parameter settings. For example, if a measurement has been performed with a wrong crest factor parameter in the device setup, the parameter can be corrected afterwards and the data can be re-evaluated. The measured data can be visualized or exported in different units or formats, depending on the selected probe type ([V/m], [A/m], [°C], [m W/g], [m W/cm²], [dBrel], etc.). Some of these units are not available in certain situations or show meaningless results, e.g., a SAR output in a lossless media will always be zero. Raw data can also be exported to perform the evaluation with other software packages.

2.7.3. Data Evaluation by SEMCAD

The SEMCAD software automatically executes the following procedures to calculate the field units from the microvolt readings at the probe connector. The parameters used in the evaluation are stored in the configuration modules of the software:

Probe parameters: - Sensitivity Normi, ai0, ai1, ai2
- Conversion factor ConvFi
- Diode compression point Dcpi
Device parameters: - Frequency f
- Crest factor cf
Media parameters: - Conductivity ε
- Density ρ

These parameters must be set correctly in the software. They can be found in the component documents or they can be imported into the software from the configuration files issued for the DASY components. In the direct measuring mode of the multimeter option, the parameters of the actual system setup are used. In the scan visualization and export modes, the parameters stored in the corresponding document files are used.

The first step of the evaluation is a linearization of the filtered input signal to account for the compression characteristics of the detector diode. The compensation depends on the input signal, the diode type and the DC-transmission factor from the diode to the evaluation electronics.

If the exciting field is pulsed, the crest factor of the signal must be known to correctly compensate for peak power. The formula for each channel can be given as:

$$V_i = U_i + U_i^2 \cdot cf / dcp_i$$

With Vi = compensated signal of channel i (i = x, y, z)
Ui = input signal of channel i (i = x, y, z)
cf = crest factor of exciting field (DASY parameter)
dcp i = diode compression point (DASY parameter)

From the compensated input signals the primary field data for each channel can be evaluated:

E-field probes:

$$E_i = (V_i / Norm_i \cdot ConvF)^{1/2}$$

H-field probes:

$$H_i = (V_i)^{1/2} \cdot (a_{i0} + a_{i1} f + a_{i2} f^2) / f$$

With Vi = compensated signal of channel i (i = x, y, z)
Normi = sensor sensitivity of channel I (i = x, y, z)
[mV/(V/m)2] for E-field Probes
ConvF = sensitivity enhancement in solution
aij = sensor sensitivity factors for H-field probes
f = carrier frequency [GHz]
Ei = electric field strength of channel i in V/m
Hi = magnetic field strength of channel i in A/m

The RSS value of the field components gives the total field strength (Hermitian magnitude):

$$E_{tot} = (E_x^2 + E_Y^2 + E_z^2)^{1/2}$$

The primary field data are used to calculate the derived field units.

$$SAR = (Etot^2 \cdot \sigma) / (\varepsilon \cdot 1000)$$

with SAR = local specific absorption rate in mW/g
Etot = total field strength in V/m
σ= conductivity in [mho/m] or [Siemens/m]
ε= equivalent tissue density in g/cm3

Note that the density is normally set to 1 (or 1.06), to account for actual brain density rather than the density of the simulation liquid. The power flow density is calculated assuming the excitation field to be a free space field.

$$P_{pwe} = E_{tot}{}^2{}_2 / 3770 \text{ or } P_{pwe} = H_{tot}^2 \cdot 37.7$$

with Ppwe = equivalent power density of a plane wave in mW/cm2
Etot = total electric field strength in V/m
Htot = total magnetic field strength in A/m

3. SAR measurement variability and uncertainty

3.1. SAR measurement variability

Per KDB865664 D01 SAR measurement 100 MHz to 6 GHz v01r04, SAR measurement variability must be assessed for each frequency band, which is determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. The additional measurements are repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device should be returned to ambient conditions (normal room temperature) with the battery fully charged before it is re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

1) Repeated measurement is not required when the original highest measured SAR is < 0.80 W/kg; steps 2) through 4) do not apply.

2) When the original highest measured SAR is ⩾ 0.80 W/kg, repeat that measurement once.

3) Perform a second repeated measurement only if the ratio of largest to smallest SAR for the original and first repeated measurements is > 1.20 or when the original or repeated measurement is ⩾ 1.45 W/kg (~ 10% from the 1-g SAR limit).

4) Perform a third repeated measurement only if the original, first or second repeated measurement is ⩾1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.

The same procedures should be adapted for measurements according to extremity and occupational exposure limits by applying a factor of 2.5 for extremity exposure and a factor of 5 for occupational exposure to the corresponding SAR thresholds.

3.2. SAR measurement uncertainty

Per KDB865664 D01 SAR Measurement 100 MHz to 6 GHz, when the highest measured 1-g SAR within a frequency band is < 1.5 W/kg, the extensive SAR measurement uncertainty analysis described in IEEE Std 1528-2013 is not required in SAR reports submitted for equipment approval. The equivalent ratio (1.5/1.6) is applied to extremity and occupational exposure conditions.

4. Description of Test Position

4.1. Head Exposure Condition

4.1.1. SAM Phantom Shape

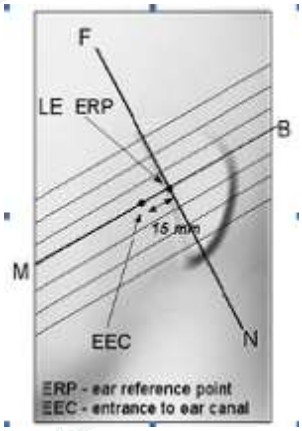


F-3. Front, back, and side views of SAM (model for the phantom shell). Full-head model is for illustration purposes only-procedures in this recommended practice are intended primarily for the phantom setup.

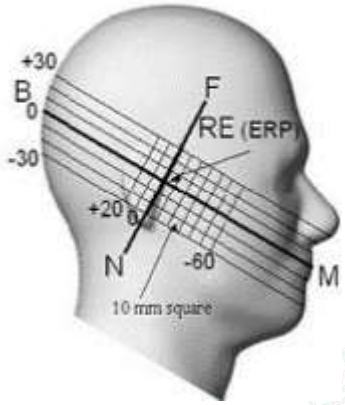
Note: The centre strip including the nose region has a different thickness tolerance.



F-4. Sagittally bisected phantom with extended perimeter (shown placed on its side as used for SAR measurements)

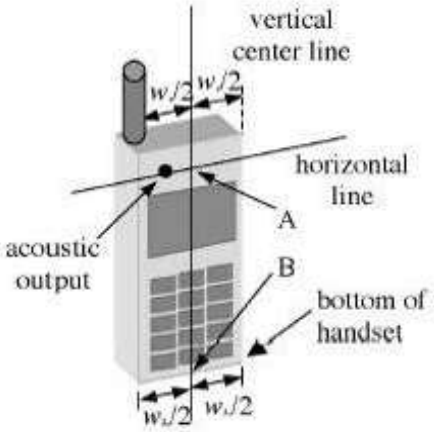


F-5. Close-up side view of phantom, showing the ear region, N-F and B-M lines, and seven cross-sectional plane locations

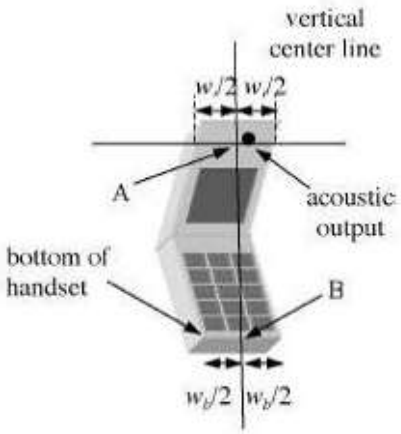


F-6. Side view of the phantom showing relevant markings and seven cross-sectional plane locations

4.1.2. EUT constructions



F-1. Handset vertical and horizontal reference lines-“fixed case”



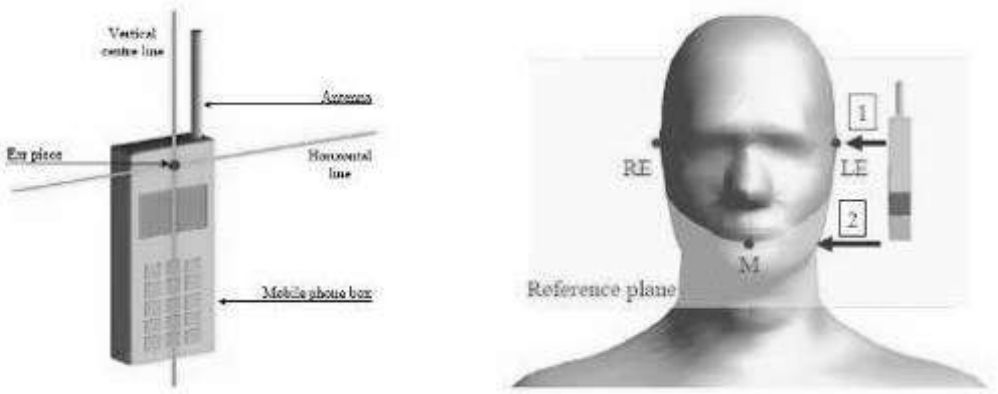
F-2. Handset vertical and horizontal reference lines-“clam-shell case”

4.1.3. Definition of the “cheek” position

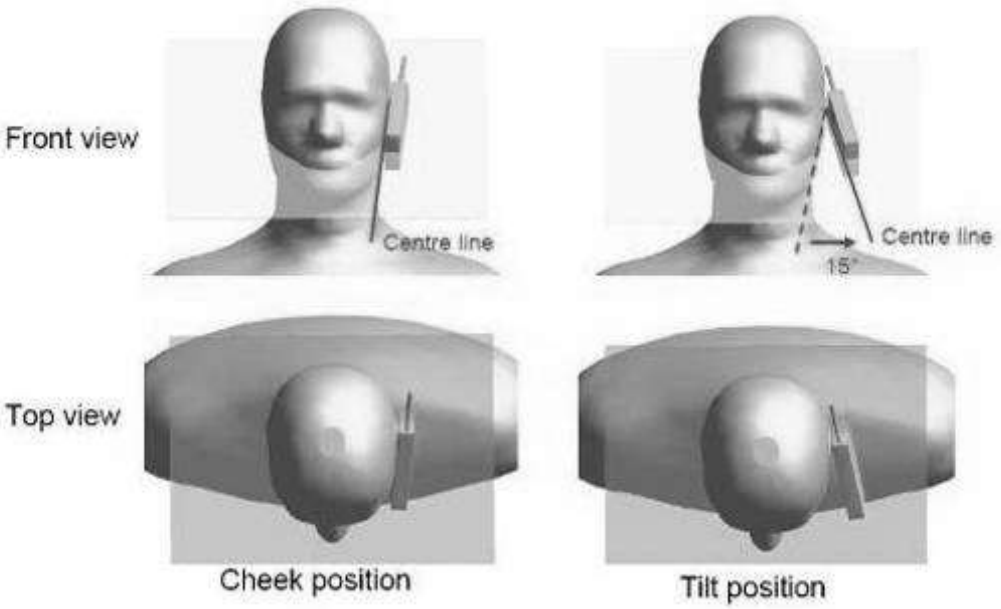
a) Position the device with the vertical centre line of the body of the device and the horizontal line crossing the centre of the ear piece in a plane parallel to the sagittal plane of the phantom ("initial position"). While maintaining the device in this plane, align the vertical centre line with the reference plane containing the three ear and mouth reference points (M, RE and LE) and align the centre of the ear piece with the line RE-LE.
b) Translate the mobile phone box towards the phantom with the ear piece aligned with the line LE-RE until telephone touches the ear. While maintaining the device in the reference plane and maintaining the phone contact with the ear, move the bottom of the box until any point on the front side is in contact with the cheek of the phantom or until contact with the ear is lost.

4.1.4. Definition of the “tilted” position

a) Position the device in the “cheek” position described above;
b) While maintaining the device in the reference plane described above and pivoting against the ear, move it outward away from the mouth by an angle of 15 degrees or until contact with the ear is lost.



F-1. **Definition of the reference lines and points, on the phone and on the phantom and initial position**



F-2. **“Cheek” and “tilt” positions of the mobile phone on the left side**

4.2. Body Exposure Condition

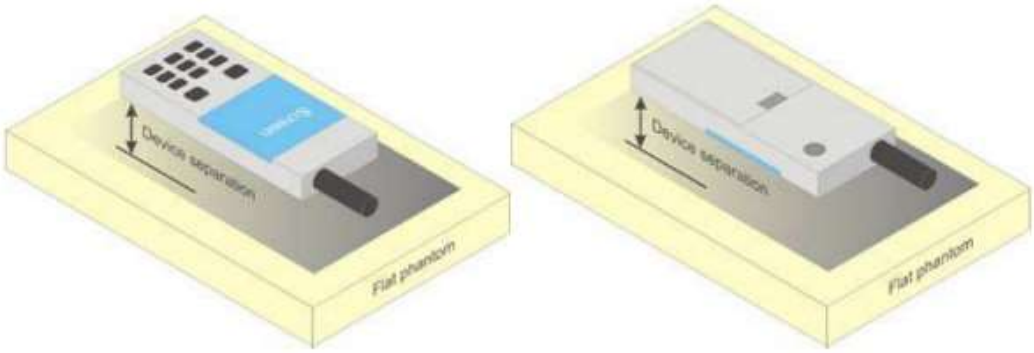
4.2.1. Body-worn accessory exposure conditions

Body-worn operating configurations should be tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in normal use configurations.

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration. Per FCC KDB Publication 648474 D04, Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB Publication 447498 D01 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.

Accessories for Body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that dictates the closest spacing to the body. Then multiple accessories that contain metallic components are tested with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-clip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

Body-worn accessories may not always be supplied or available as options for some devices intended to be authorized for body-worn use. In this case, a test configuration with a separation distance between the back of the device and the flat phantom is used. Test position spacing was documented. Transmitters that are designed to operate in front of a person's face, as in push-to-talk configurations, are tested for SAR compliance with the front of the device positioned to face the flat phantom in head fluid. For devices that are carried next to the body such as a shoulder, waist or chest-worn transmitters, SAR compliance is tested with the accessories, including headsets and microphones, attached to the device and positioned against a flat phantom in a normal use configuration.



F-1. **Test positions for body-worn devices**

4.2.2. Wireless Router exposure conditions

Some battery-operated handsets have the capability to transmit and receive user data through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06 where SAR test considerations for handsets (L x W ≥ 9 cm x 5 cm) are based on a composite test separation distance of 10 mm from the front, back and edges of the device containing transmitting antennas within 2.5 cm of their edges, determined from general mixed use conditions for this type of devices. For devices with form factors smaller than 9 cm x 5 cm, a test separation distance of 5 mm is required.

4.3. Extremity exposure conditions

Per FCC KDB 648474D04, for Smart Phones with a display diagonal dimension > 15.0 cm or an overall diagonal dimension > 16.0 cm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, the device is marketed as “Phablet”.
The UMPC mini-tablet procedures must also be applied to test the SAR of all surfaces and edges with an antenna located at ≤ 25 mm from that surface or edge, in direct contact with a flat phantom, for Product Specific 10-g SAR according to the body-equivalent tissue dielectric parameters in IEC/IEEE 62209-1528 to address interactive hand use exposure conditions. The UMPC mini-tablet 1-g SAR at 5 mm is not required. When hotspot mode applies, Product Specific 10-g SAR is required only for the surfaces and edges with hotspot mode 1-g reported SAR > 1.2 W/kg; however, when power reduction applies to hotspot mode the measured SAR must be scaled to the maximum output power, including tolerance, allowed for phablet modes to compare with the 1.2 W/kg SAR test reduction threshold.

Due to the SAR result, the Main antenna frequency bands are not required to test with 0mm for the Product Specific 10 g SAR.

5. SAR System Verification Procedure

5.1. Tissue Simulate Liquid

5.1.1. Recipes for Tissue Simulate Liquid

The bellowing tables give the recipes for tissue simulating liquids to be used in different frequency bands：

Ingredients (% by weight)	Frequency (MHz)				
	450	700-900	1750-2000	2300-2500	2500-2700
Water	38.56	40.30	55.24	55.00	54.92
Salt (NaCl)	3.95	1.38	0.31	0.2	0.23
Sucrose	56.32	57.90	0	0	0
HEC	0.98	0.24	0	0	0
Bactericide	0.19	0.18	0	0	0
Tween	0	0	44.45	44.80	44.85
Salt: 99⁺% Pure Sodium Chloride Sucrose: 98⁺% Pure Sucrose Water: De-ionized, 16 MΩ⁺ resistivity HEC: Hydroxyethyl Cellulose Tween: Polyoxyethylene (20) sorbitan monolaurate					
HSL5GHz is composed of the following ingredients： Water：50-65% Mineral oil：10-30% Emulsifiers：8-25% Sodium salt：0-1.5%					

Table 2： Recipe of Tissue Simulate Liquid

5.1.2. Measurement for Tissue Simulate Liquid

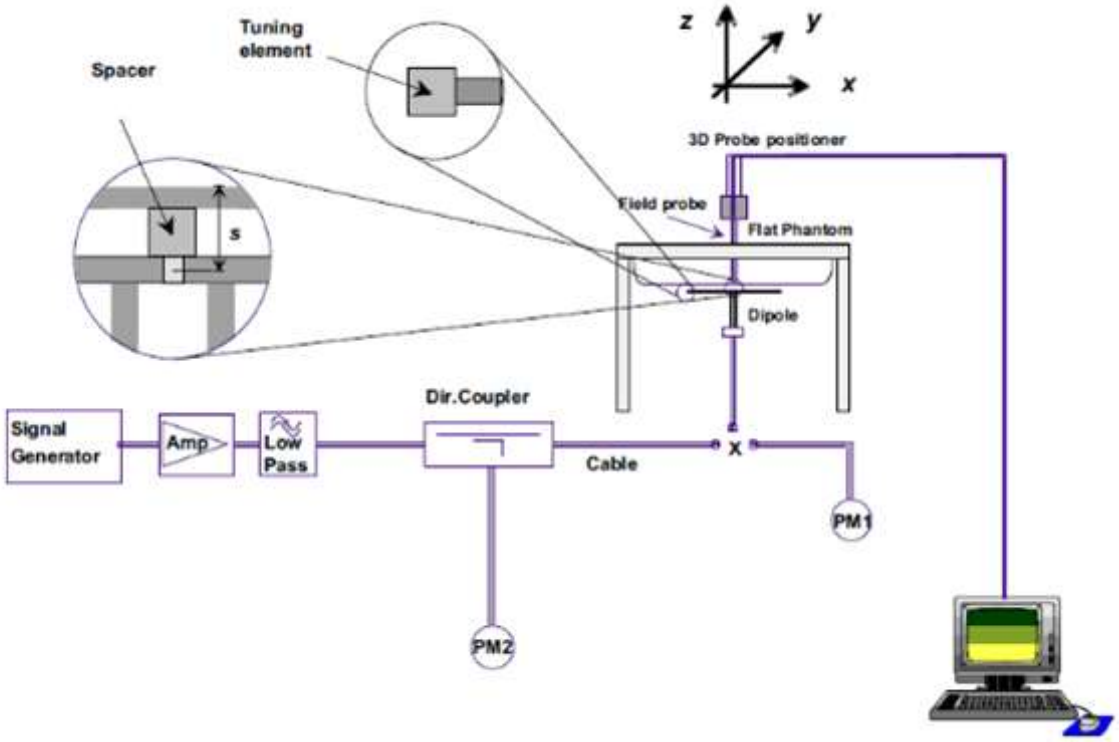
The dielectric properties for this Tissue Simulate Liquids were measured by using the DAKS. The Conductivity (σ) and Permittivity (ρ) are listed in bellow table. For the SAR measurement given in this report. The temperature variation of the Tissue Simulate Liquids was 22±2°C.

Tissue Type	Measured Frequency (MHz)	Target Tissue (±5%)		Measured Tissue		Liquid Temp. (℃)	Measured Date
		ε_r	σ(S/m)	ε_r	σ(S/m)		
750 Head	750	41.9 (39.81~44.00)	0.89 (0.85~0.93)	42.562	0.902	21.8	March 15, 2025
835 Head	835	41.5 (39.43~43.58)	0.9 (0.86~0.95)	41.246	0.883	22.0	March 16, 2025
1750 Head	1750	40.1 (38.10~42.11)	1.37 (1.30~1.44)	40.296	1.381	21.9	March 17, 2025
1900 Head	1900	40 (38.00~42.00)	1.4 (1.33~1.47)	40.183	1.412	21.6	March 18, 2025
2450 Head	2450	39.2 (37.24~41.16)	1.8 (1.71~1.89)	39.683	1.822	21.5	March 19, 2025
2600 Head	2600	39 (37.05~40.95)	1.96 (1.86~2.06)	40.143	1.986	21.7	March 21, 2025
3700 Head	3700	37.70 (35.82~39.58)	3.12 (2.96~3.28)	37.254	3.087	21.8	March 22, 2025
5250 Head	5250	36.0 (34.20~37.80)	4.66 (4.43~4.89)	37.138	4.839	21.4	March 23, 2025
5600Head	5600	35.5 (33.73~37.28)	5.07 (4.82~5.32)	35.997	5.162	21.6	March 24, 2025
5750 Head	5750	35.3 (33.54~37.07)	5.27 (5.01~5.53)	35.839	5.353	21.8	March 25, 2025

Table 3： Measurement result of Tissue electric parameters

5.2. SAR System Check

The microwave circuit arrangement for system Check is sketched in F-1. The daily system accuracy verification occurs within the flat section of the SAM phantom. A SAR measurement was performed to see if the measured SAR was within +/- 10% from the target SAR values. The tests were conducted on the same days as the measurement of the EUT. The obtained results from the system accuracy verification are displayed in the following table (A power level of 100mW (below 3GHz) or 100mW (3-6GHz) was input to the dipole antenna). During the tests, the ambient temperature of the laboratory was in the range 22±2°C, the relative humidity was in the range 60% and the liquid depth above the ear reference points was above 15±0.5 cm in all the cases. It is seen that the system is operating within its specification, as the results are within acceptable tolerance of the reference values.



F-1. the microwave circuit arrangement used for SAR system check

5.2.1. Justification for Extended SAR Dipole Calibrations

1) Referring to KDB865664 D01 requirements for dipole calibration, instead of the typical annual calibration recommended by measurement standards, longer calibration intervals of up to three years may be considered when it is demonstrated that the SAR target, impedance and return loss of a dipole have remain stable according to the following requirements. Each measured dipole is expected to evaluate with the following criteria at least on annual interval in Appendix C.

a) There is no physical damage on the dipole;
b) System check with specific dipole is within 10% of calibrated value;
c) Return-loss is within 20% of calibrated measurement;
d) Impedance is within 5Ω from the previous measurement.

2) Network analyzer probe calibration against air, distilled water and a shorting block performed before measuring liquid parameters.

D750V3 SN 119 Extend Dipole Calibrations

Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2023-06-15	-28.9		50.8		-3.54	
2024-06-14	-28.86	-0.14	50.4	-0.4	-3.51	0.03

D835V2 SN 4d124 Extend Dipole Calibrations

Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2023-10-24	-35.6		50.2		1.65	
2024-10-23	-35.56	-0.11	49.8	-0.4	1.64	0.01

D1750V2 SN 1035 Extend Dipole Calibrations

Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2023-06-12	-38.3		48.8		-0.06	
2024-06-11	-38.54	0.63	48.5	-0.3	-0.04	0.02

D1900V2 SN 5d055 Extend Dipole Calibrations

Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2023-10-20	-26.1		51.3		4.84	
2024-10-19	-26.0	-0.38	51.5	0.2	4.85	0.01

D2450V2 SN 808 Extend Dipole Calibrations

Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2023-10-23	-26.3		51.4		4.73	
2024-10-22	-26.27	-0.11	51.2	-0.2	4.70	-0.03

D2600V2 SN 1071 Extend Dipole Calibrations

Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2023-06-20	-23.7		48.6		-6.32	
2024-06-19	-23.68	-0.08	48.5	-0.1	-6.30	0.02

D3700V2 SN 1054 Extend Dipole Calibrations

Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2023-06-15	-31.2		47.8		1.52	
2024-06-14	-31.0	-0.64	47.5	-0.3	1.50	-0.01

D5GHzV2 SN 1046 Extend Dipole Calibrations(5250MHz)

Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2023-10-23	-28.6		49.9		3.71	
2024-10-22	-28.5	-0.35	49.6	-0.3	3.70	-0.01

D5GHzV2 SN 1046 Extend Dipole Calibrations(5600MHz)

Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)
2023-10-23	-25.9		55.3		0.26	
2024-10-22	-25.6	-1.16	55.1	-0.2	0.24	-0.02

D5GHzV2 SN 1046 Extend Dipole Calibrations(5750MHz)

Date of Measurement	Return-Loss (dB)	Delta (%)	Real Impedance (ohm)	Delta (ohm)	Imaginary Impedance (ohm)	Delta (ohm)

2023-10-23	-26.8		54.6		1.18	
2024-10-22	-26.74	-0.22	54.9	0.3	1.20	0.02

5.2.2. Summary System Check Result(s)

Validation Kit		Measured SAR 100mW	Measured SAR 100mW	Measured SAR (normalized to 1W)	Measured SAR (normalized to 1W)	Target SAR (normalized to 1W) (±10%)	Target SAR (normalized to 1W) (±10%)	Liquid Temp. (℃)	Measured Date
		1g (W/kg)	10g (W/kg)	1g (W/kg)	10g (W/kg)	1-g(W/kg)	10-g(W/kg)		
D750V3	Head	0.879	0.561	8.79	5.61	8.57 (7.71~9.43)	5.61 (5.05~6.17)	21.8	March 15, 2025
D835V2	Head	0.952	0.641	9.52	6.41	9.59 (8.63~10.55)	6.37 (5.73~7.01)	22.0	March 16, 2025
D1750V2	Head	3.54	1.88	35.4	18.80	35.9 (32.31~39.49)	18.9 (17.01~20.79)	21.9	March 17, 2025
D1900V2	Head	4.07	2.09	40.7	20.90	40.2 (36.18~44.22)	20.9 (18.81~22.99)	21.6	March 18, 2025
D2450V2	Head	5.14	2.46	51.4	24.60	53.5 (48.15~58.85)	24.8 (22.32~27.28)	21.5	March 19, 2025
D2600V2	Head	5.62	2.52	56.2	25.20	56.80 (51.12~62.48)	25.5 (22.95~28.05)	21.7	March 21, 2025
D3700V2	Head (3.7GHz)	6.34	2.32	63.4	23.2	66.4 (59.76~73.04)	24.4 (21.96~26.84)	21.8	March 22, 2025
D5GHzV2	Head (5.25GHz)	7.91	2.25	79.1	22.50	78.1 (70.29~85.91)	22.2 (19.98~24.42)	21.4	March 23, 2025
	Head (5.6GHz)	7.93	2.22	79.3	22.20	81.9 (73.71~90.09)	23.1 (20.79~25.41)	21.6	March 24, 2025
	Head (5.75GHz)	7.69	2.15	76.9	21.5	77.4 (69.66~85.14)	21.6 (19.44~23.76)	21.8	March 25, 2025

Table 4： Please see the Appendix A

6. SAR measurement procedure

The measurement procedures are as follows:

6.1. Conducted power measurement

a. For WWAN power measurement, use base station simulator connection with RF cable, at maximum power in each supported wireless interface and frequency band.
b. Read the WWAN RF power level from the base station simulator.
c. For WLAN/BT power measurement, use engineering software to configure EUT WLAN/BT continuously Transmission, at maximum RF power in each supported wireless interface and frequency band.
d. Connect EUT RF port through RF cable to the power meter, and measure WLAN/BT output power.

6.2. GSM Test Configuration

SAR tests for GSM 850 and GSM 1900, a communication link is set up with a System Simulator (SS) by air link. Using CMU200 the power level is set to “5” for GSM 850, set to “0” for GSM 1900. Since the GPRS class is 12 for this EUT, it has at most 4 timeslots in uplink and at most 4 timeslots in downlink, the maximum total timeslots is 4. the EGPRS class is 12 for this EUT, it has at most 4 timeslots in uplink and at most 4 timeslots in downlink, the maximum total timeslots is 4.

SAR test reduction for GPRS and EDGE modes is determined by the source-based time-averaged output power specified for production units, including tune-up tolerance. The data mode with highest specified time-averaged output power should be tested for SAR compliance in the applicable exposure conditions. For modes with the same specified maximum output power and tolerance, the higher number time-slot configuration should be tested. GSM voice and GPRS data use GMSK, which is a constant amplitude modulation with minimal peak to average power difference within the time-slot burst. For EDGE, GMSK is used for MCS 1 – MCS 4 and 8-PSK is used for MCS 5 – MCS 9; where 8-PSK has an inherently higher peak-to-average power ratio. The GMSK and 8-PSK EDGE configurations are considered separately for SAR compliance. The GMSK EDGE configurations are grouped with GPRS and considered with respect to time-averaged maximum output power to determine compliance. The 3G SAR test reduction procedure is applied to 8-PSK EDGE with GMSK GPRS/EDGE as the primary mode.

6.3. UMTS Test Configuration

3G SAR Test Reduction Procedure
In the following procedures, the mode tested for SAR is referred to as the primary mode. The equivalent modes considered for SAR test reduction are denoted as secondary modes. Both primary and secondary modes must be in the same frequency band. When the maximum output power and tune-up tolerance specified for production units in a secondary mode is ≤ ¼ dB higher than the primary mode or when the highest reported SAR of the primary mode is scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode and the adjusted SAR is ≤ 1.2 W/kg, SAR measurement is not required for the secondary mode.3 This is referred to as the 3G SAR test reduction procedure in the following SAR test guidance, where the primary mode is identified in the applicable wireless mode test procedures and the secondary mode is wireless mode being considered for SAR test reduction by that procedure. When the 3G SAR test reduction procedure is not satisfied, it is identified as “otherwise” in the applicable procedures; SAR measurement is required for the secondary mode.

Output power Verification

Maximum output power is verified on the high, middle and low channels according to procedures described in section 5.2 of 3GPP TS 34.121, using the appropriate RMC or AMR with TPC (transmit power control) set to all “1’s” for WCDMA/HSDPA or by applying the required inner loop power control procedures to maintain maximum output power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCHn and spreading codes, HSDPA, HSPA) are requied in the SAR report. All configurations that are not supported by the handset or cannot be measured due to technical or equipment limitations must be clearly identified.

Head SAR

SAR for next to the ear head exposure is measured using a 12.2 kbps RMC with TPC bits configured to all “1’s”. The 3G SAR test reduction procedure is applied to AMR configurations with 12.2 kbps RMC as the primary mode.

Otherwise, SAR is measured for 12.2 kbps AMR in 3.4 kbps SRB (signaling radio bearer) using the highest reported SAR configuration in 12.2 kbps RMC for head exposure.

1) Body-Worn Accessory SAR

SAR for body-worn accessory configurations is measured using a 12.2 kbps RMC with TPC bits configured to all "1's". The 3G SAR test reduction procedure is applied to other spreading codes and multiple DPDCHn configurations supported by the handset with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured using an applicable RMC configuration with the corresponding spreaing code or DPDCHn, for the highest reported body-worn accessory exposure SAR configuration in 12.2 kbps RMC. When more than 2 DPDCHn are supported by the handset, it may be necessary to configure additional DPDCHn using FTM (Factory Test Mode) or other chipset based test approaches with parameters similar to those used in 384 kbps and 768 kbps RMC.

2) Handsets with Release 5 HSDPA

The 3G SAR test reduction procedure is applied to HSDPA body-worn accessory configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSDPA using the HSDPA body SAR procedures in the "Release 5 HSDPA Data Devices" section of this document, for the highest reported SAR body-worn accessory exposure configuration in 12.2 kbps RMC. Handsets with both HSDPA and HSUPA are tested according to Release 6 HSPA test procedures.

HSDPA should be configured according to the UE category of a test device.The number of HSDSCH/ HS-PDSCHs, HARQ processes, minimum inter-TTI interval, transport block sizes and RV coding sequence are defined by the H-set. To maintain a consistent test configuration and stable transmission conditions, QPSK is used in the H-set for SAR testing. HS-DPCCH should be configured with a CQI feedback cycle of 4 ms with a CQI repetition factor of 2 to maintain a constant rate of active CQI slots. DPCCH and DPDCH gain factors(βc, βd), and HS-DPCCH power offset parameters (ΔACK, ΔNACK, ΔCQI) should be set according to values indicated in the Table below. The CQI value is determined by the UE category, transport block size, number of HS-PDSCHs and modulation used in the H-set

Table 2: Subtests for UMTS Release 5 HSDPA

Sub-set	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs} (note 1, note 2)	CM(dB) (note 3)	MPR(dB)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15 (note 4)	15/15 (note 4)	64	12/15 (note 4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Note1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI}= 8 ⇔ A_{hs} = β_{hs}/β_c=30/15 ⇔ β_{hs}=30/15*β_c
Note2: CM=1 for β_c/β_d =12/15, β_{hs}/β_c=24/15.
Note3: For subtest 2 the $\beta_c\beta_d$ ratio of 12/15 for the TFC during the measurement period(TF1,TF0) is achieved by setting the signaled gain factors for the reference TFC (TFC1,TF1) to β_c=11/15 and β_d=15/15.

HSUPA Test Configuration

The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body-worn accessory configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for HSPA using the HSPA body SAR procedures in the "Release 6 HSPA Data Devices" section of this document, for the highest reported body-worn accessory exposure SAR configuration in 12.2 kbps RMC. When VOIP is applicable for next to the ear head exposure in HSPA, the 3G SAR test reduction procedure is applied to HSPA with 12.2 kbps RMC as the primary mode; otherwise, the same HSPA configuration used for body-worn accessory measurements is tested for next to the ear head exposure.

Due to inner loop power control requirements in HSPA, a communication test set is required for output power and SAR tests. The 12.2 kbps RMC, FRC H-set 1 and E-DCH configurations for HSPA are configured according to the β values indicated in Table 2 and other applicable procedures described in the 'WCDMA Handset' and 'Release 5 HSDPA Data Devices' sections of this document

Table 3: Sub-Test 5 Setup for Release 6 HSUPA

Sub-set	β_c	β_d	β_d (SF)	β_c/β_d	β_{hs}(1)	β_{ec}	β_{ed}	β_{ed} (SF)	β_{ed} (codes)	CM (2) (dB)	MPR (dB)	AG(4) Index	E-TFCI
1	11/15(3)	15/15(3)	64	11/15(3)	22/15	209/225	1039/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	β_{ed1}:47/15 β_{ed2}:47/15	4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15(4)	15/15(4)	64	15/15(4)	30/15	24/15	134/15	4	1	1.0	0.0	21	81

Note 1: Δ_{ACK}, ΔNACK and Δ_{CQI} = 8 ⇔ $A_{hs} = \beta_{hs}/\beta_c$ = 30/15 ⇔ β_{hs}= 30/15 *β_c.
Note 2: CM = 1 for βc/βd =12/15, β_{hs}/β_c =24/15. For all other combinations of DPDCH, DPCCH, HS- DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.
Note 3: For subtest 1 the βc/βd ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to βc = 10/15 and βd = 15/15.
Note 4: For subtest 5 the βc/βd ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signaled gain factors for the reference TFC (TF1, TF1) to βc = 14/15 and βd = 15/15.
Note 5: Testing UE using E-DPDCH Physical Layer category 1 Sub-test 3 is not required according to TS 25.306 Figure 5.1g.
Note 6: βed can not be set directly; it is set by Absolute Grant Value.

6.4. LTE Test Configuration

QPSK with 1 RB allocation
Start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power among RB offsets at the upper edge, middle and lower edge of each required test channel. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required for 1 RB allocation; otherwise, SAR is required for the remaining required test channels and only for the RB offset configuration with the highest output power for that channel.8 When the reported SAR of a required test channel is > 1.45 W/kg, SAR is required for all three RB offset configurations for that required test channel.

QPSK with 50% RB allocation
The procedures required for 1 RB allocation in section 4.2.1 are applied to measure the SAR for QPSK with 50% RB allocation.9

QPSK with 100% RB allocation
For QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation in sections 4.2.1 and 4.2.2 are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested.

6.5. WIFI Test Configuration

The SAR measurement and test reduction procedures are structured according to either the DSSS or OFDM transmission mode configurations used in each standalone frequency band and aggregated band. For devices that operate in exposure configurations that require multiple test positions, additional SAR test reduction may be applied. The maximum output power specified for production units, including tune-up tolerance, are used to determine initial SAR test requirements for the 802.11 transmission modes in a frequency band. SAR is measured using the highest measured maximum output power channel for the initial test configuration. SAR measurement and test reduction for the remaining 802.11 modes and test channels are determined according to measured or specified maximum output power and reported SAR of the initial measurements. The general test reduction and SAR measurement approaches are summarized in the following:
1. The maximum output power specified for production units are determined for all applicable 802.11 transmission modes in each standalone and aggregated frequency band. Maximum output power is measured for the highest maximum output power configuration(s) in each frequency band according to the default power measurement procedures.
2. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, an “initial test configuration” is first determined for each standalone and aggregated frequency band according to the maximum output power and tune-up tolerance specified for production units.

a. When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel in the initial test configuration, for each frequency band.
b. SAR is measured for OFDM configurations using the initial test configuration procedures. Additional frequency band specific SAR test reduction may be considered for individual frequency bands
c. Depending on the reported SAR of the highest maximum output power channel tested in the initial test configuration, SAR test reduction may apply to subsequent highest output channels in the initial test configuration to reduce the number of SAR measurements.
3. The Initial test configuration does not apply to DSSS. The 2.4 GHz band SAR test requirements and 802.11b DSSS procedures are used to establish the transmission configurations required for SAR measurement.
4. An “initial test position”is applied to further reduce the number of SAR tests for devices operating in next to the ear, UMPC mini-tablet or hotspot mode exposure configurations that require multiple test positions .
a. SAR is measured for 802.11b according to the 2.4 GHz DSSS procedure using the exposure condition established by the initial test position.
b. SAR is measured for 2.4 GHz and 5 GHz OFDM configurations using the initial test configuration. 802.11b/g/n operating modes are tested independently according to the service requirements in each frequency band. 802.11b/g/n modes are tested on the maximum average output channel.
5. The Initial test position does not apply to devices that require a fixed exposure test position. SAR is measured in a fixed exposure test position for these devices in 802.11b according to the 2.4 GHz DSSS procedure or in 2.4 GHz and 5 GHz OFDM configurations using the initial test configuration procedures .
6. The “subsequent test configuration”procedures are applied to determine if additional SAR measurements are required for the remaining OFDM transmission modes that have not been tested in the initial test configuration. SAR test exclusion is determined according to reported SAR in the initial test configuration and maximum output power specified or measured for these other OFDM configurations.

2.4 GHz and 5GHz SAR Procedures
Separate SAR procedures are applied to DSSS and OFDM configurations in the 2.4 GHz band to simplify DSSS test requirements. For 802.11b DSSS SAR measurements, DSSS SAR procedure applies to fixed exposure test position and initial test position procedure applies to multiple exposure test positions. When SAR measurement is required for an OFDM configuration, the initial test configuration, subsequent test configuration and initial test position procedures are applied. The SAR test exclusion requirements for 802.11g/n OFDM configurations are described in section 5.2.2.
1. 802.11b DSSS SAR Test Requirements
SAR is measured for 2.4 GHz 802.11b DSSS using either a fixed test position or, when applicable, the initial test position procedure. SAR test reduction is determined according to the following:
a. When the reported SAR of the highest measured maximum output power channel (section 3.1) for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.
b. When the reported SAR is > 0.8 W/kg, SAR is required for that exposure configuration using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.
1. 2.4 GHz 802.11g/n OFDM SAR Test Exclusion Requirements
When SAR measurement is required for 2.4 GHz 802.11g/n OFDM configurations, the measurement and test reduction procedures for OFDM are applied (section 5.3). SAR is not required for the following 2.4 GHz OFDM conditions.
a. When KDB Publication 447498 SAR test exclusion applies to the OFDM configuration
b. When the highest reported SAR for DSSS is adjusted by the ratio of OFDM to DSSS specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg.
2. SAR Test Requirements for OFDM Configurations
When SAR measurement is required for 802.11 a/g/n/ac OFDM configurations, each standalone and frequency aggregated band is considered separately for SAR test reduction. When the same transmitter and antenna(s) are used for U-NII-1 and U-NII-2A bands, additional SAR test reduction applies. When band gap channels between U-NII-2C band and 5.8 GHz U-NII-3 or §15.247 band are supported, the highest maximum output power transmission mode configuration and maximum output power channel across the bands must be used to determine SAR test reduction, according to the initial test configuration and subsequent test configuration requirements.20 In applying the initial test configuration and subsequent test configuration procedures, the 802.11 transmission configuration with the highest specified maximum output power and the channel within a test configuration with the highest measured maximum output power should be clearly distinguished to apply the procedures.
3. OFDM Transmission Mode SAR Test Configuration and Channel Selection Requirements

The initial test configuration for 2.4 GHz and 5 GHz OFDM transmission modes is determined by the 802.11 configuration with the highest maximum output power specified for production units, including tune-up tolerance, in each standalone and aggregated frequency band. SAR for the initial test configuration is measured using the highest maximum output power channel determined by the default power measurement procedures (section 4). When multiple configurations in a frequency band have the same specified maximum output power, the initial test configuration is determined according to the following steps applied sequentially.

a. The largest channel bandwidth configuration is selected among the multiple configurations with the same specified maximum output power.
b. If multiple configurations have the same specified maximum output power and largest channel bandwidth, the lowest order modulation among the largest channel bandwidth configurations is selected.
c. If multiple configurations have the same specified maximum output power, largest channel bandwidth and lowest order modulation, the lowest data rate configuration among these configurations is selected.
d. When multiple transmission modes (802.11a/g/n/ac) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n.

After an initial test configuration is determined, if multiple test channels have the same measured maximum output power, the channel chosen for SAR measurement is determined according to the following. These channel selection procedures apply to both the initial test configuration and subsequent test configuration(s), with respect to the default power measurement procedures or additional power measurements required for further SAR test reduction. The same procedures also apply to subsequent highest output power channel(s) selection.

a. Channels with measured maximum output power within ¼ dB of each other are considered to have the same maximum output.
b. When there are multiple test channels with the same measured maximum output power, the channel closest to mid-band frequency is selected for SAR measurement.
c. When there are multiple test channels with the same measured maximum output power and equal separation from mid-band frequency; for example, high and low channels or two mid-band channels, the higher frequency (number) channel is selected for SAR measurement.

Initial Test Configuration Procedures

An initial test configuration is determined for OFDM transmission modes according to the channel bandwidth, modulation and data rate combination(s) with the highest maximum output power specified for production units in each standalone and aggregated frequency band. SAR is measured using the highest measured maximum output power channel. For configurations with the same specified or measured maximum output power, additional transmission mode and test channel selection procedures are required (see section 5.3.2). SAR test reduction of subsequent highest output test channels is based on the reported SAR of the initial test configuration. For next to the ear, hotspot mode and UMC mini-tablet exposure configurations where multiple test positions are required, the initial test position procedure is applied to minimize the number of test positions required for SAR measurement using the initial test configuration transmission mode.23 For fixed exposure conditions that do not have multiple SAR test positions, SAR is measured in the transmission mode determined by the initial test configuration. When the reported SAR of the initial test configuration is > 0.8 W/kg, SAR measurement is required for the subsequent next highest measured output power channel(s) in the initial test configuration until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.

4. Subsequent Test Configuration Procedures

SAR measurement requirements for the remaining 802.11 transmission mode configurations that have not been tested in the initial test configuration are determined separately for each standalone and aggregated frequency band, in each exposure condition, according to the maximum output power specified for production units. The initial test position procedure is applied to next to the ear, UMPC mini-tablet and hotspot mode configurations. When the same maximum output power is specified for multiple transmission modes, the procedures in section 5.3.2 are applied to determine the test configuration. Additional power measurements may be required to determine if SAR measurements are required for subsequent highest output power channels in a subsequent test configuration. The subsequent test configuration and SAR measurement procedures are described in the following.

a. When SAR test exclusion provisions of KDB Publication 447498 are applicable and SAR measurement is not required for the initial test configuration, SAR is also not required for the next highest maximum output power transmission mode subsequent test configuration(s) in that frequency band or aggregated band and exposure configuration.
b. When the highest reported SAR for the initial test configuration (when applicable, include subsequent highest output channels), according to the initial test position or fixed exposure position requirements, is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR is not required for that subsequent test configuration.
c. The number of channels in the initial test configuration and subsequent test configuration can be different due to differences in channel bandwidth. When SAR measurement is required for a subsequent test configuration

and the channel bandwidth is smaller than that in the initial test configuration, all channels in the subsequent test configuration that overlap with the larger bandwidth channel tested in the initial test configuration should be used to determine the highest maximum output power channel. This step requires additional power measurement to identify the highest maximum output power channel in the subsequent test configuration to determine SAR test reduction.

1). SAR should first be measured for the channel with highest measured output power in the subsequent test configuration.

2). SAR for subsequent highest measured maximum output power channels in the subsequent test configuration is required only when the reported SAR of the preceding higher maximum output power channel(s) in the subsequent test configuration is > 1.2 W/kg or until all required channels are tested.

a) For channels with the same measured maximum output power, SAR should be measured using the channel closest to the center frequency of the larger channel bandwidth channel in the initial test configuration.

d. SAR measurements for the remaining highest specified maximum output power OFDM transmission mode configurations that have not been tested in the initial test configuration (highest maximum output) or subsequent test configuration(s) (subsequent next highest maximum output power) is determined by applying the subsequent test configuration procedures in this section to the remaining configurations according to the following:

1) replace “subsequent test configuration” with “next subsequent test configuration” (i.e., subsequent next highest specified maximum output power configuration)

2) replace “initial test configuration” with “all tested higher output power configurations.

6.6. Power Reduction

The product without any power reduction.

6.7. Power Drift

To control the output power stability during the SAR test, SAR system calculates the power drift by measuring the E-field at the same location at the beginning and at the end of the measurement for each test position. This ensures that the power drift during one measurement is within ±0.2dB .

7. TEST CONDITIONS AND RESULTS

7.1. Conducted Power Results

According KDB 447498 D01 General RF Exposure Guidance v06 Section 4.1 2) states that “Unless it is specified differently in the published RF exposure KDB procedures, these requirements also apply to test reduction and test exclusion considerations. Time-averaged maximum conducted output power applies to SAR and, as required by § 2.1091(c), time-averaged ERP applies to MPE. When an antenna port is not available on the device to support conducted power measurement, such as FRS and certain Part 15 transmitters with built-in integral antennas, the maximum output power allowed for production units should be used to determine RF exposure test exclusion and compliance.”

<GSM Conducted Power>

General Note:

1. Per KDB 447498 D01v06, the maximum output power channel is used for SAR testing and for further SAR test reduction.
2. According to October 2013TCB Workshop, for GSM / GPRS / EGPRS, the number of time slots to test for SAR should correspond to the highest frame-average maximum output power configuration, considering the possibility of e.g. 3rd party VoIP operation for head and body-worn SAR testing, the EUT was set in GPRS (3Tx slot) for GSM850/GSM1900 band due to their highest frame-average power.
3. For hotspot mode SAR testing, GPRS should be evaluated, therefore the EUT was set in GPRS (3 Tx slots) for GSM850/GSM1900 band due to its highest frame-average power.

7.1.1. Conducted power measurement results for GSM850

GSM 850										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		128	190	251			128	190	251	
GSM(GMSK)	GSM	32.65	32.70	32.64	33.00	-9.19	23.46	23.51	23.45	23.81
GPRS(GMSK)	1 TX Slot	32.50	32.53	32.52	33.00	-9.19	23.31	23.34	23.33	23.81
	2 TX Slots	30.99	31.00	30.96	31.50	-6.18	24.81	24.82	24.78	25.32
	3 TX Slots	29.46	29.49	29.45	30.00	-4.42	25.04	25.07	25.03	**25.58**
	4 TX Slots	27.96	28.01	27.97	28.50	-3.17	24.79	24.84	24.80	25.33
EGPRS(8PSK)	1 TX Slot	26.00	26.01	25.98	27.00	-9.19	16.81	16.82	16.79	17.81
	2 TX Slots	24.47	24.50	24.45	25.00	-6.18	18.29	18.32	18.27	18.82
	3 TX Slots	22.96	23.01	22.99	24.00	-4.42	18.54	18.59	18.57	19.58
	4 TX Slots	21.49	21.48	21.48	22.00	-3.17	18.32	18.31	18.31	18.83

7.1.2. Conducted power measurement results for PCS1900

GSM 1900										
Burst Output Power(dBm)					Tune up	Division Factors	Frame-Average Output Power(dBm)			Tune up
Channel		512	661	810			512	661	810	
GSM(GMSK)	GSM	29.68	29.70	29.65	30.00	-9.19	20.49	20.51	20.46	20.81
GPRS(GMSK)	1 TX Slot	29.50	29.55	29.49	30.00	-9.19	20.31	20.36	20.30	20.81
	2 TX Slots	27.99	28.02	27.96	28.50	-6.18	21.81	21.84	21.78	22.32
	3 TX Slots	26.49	26.47	26.46	27.00	-4.42	22.07	22.05	22.04	**22.58**
	4 TX Slots	24.95	24.97	24.93	25.00	-3.17	21.78	21.80	21.76	21.83
EGPRS(8PSK)	1 TX Slot	25.49	25.53	25.44	26.00	-9.19	16.30	16.34	16.25	16.81
	2 TX Slots	23.99	23.99	23.95	24.00	-6.18	17.81	17.81	17.77	17.82
	3 TX Slots	22.46	22.51	22.45	23.00	-4.42	18.04	18.09	18.03	18.58
	4 TX Slots	20.95	21.02	20.95	22.00	-3.17	17.78	17.85	17.78	18.83

Note:

1)CMW500 measures GSM peak and average output power for active timeslots. For SAR the time based average power is relevant. The difference in between depends on the duty cycle of the TDMA signal:

No. of timeslots	1	2	3	4
Duty Cycle	1:8.3	1:4.15	1:2.77	1:2.075
Time based avg. power compared to slotted avg. power	-9.19	-6.18	-4.42	-3.17

2)The frame-averaged power is linearly proportion to the slot number configured and it is linearly scaled the maximum burst-averaged power based on time slots. The calculated method is shown as below:

3)Frame-averaged power = 10 x log (Burst-averaged power mW x Slot used / 8

When the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel must be used

When multiple slots can be used, SAR should be tested to account for the maximum source-based time-averaged output power.

<UMTS Conducted Power>
The following tests were conducted according to the test requirements outlines in 3GPP TS 34.121 specification. A summary of these settings are illustrated below:

HSDPA Setup Configuration:

a. The EUT was connected to Base Station CMW500 referred to the Setup Configuration.
b. The RF path losses were compensated into the measurements.
c. A call was established between EUT and Base Station with following setting:
   i. Set Gain Factors (β_c and β_d) and parameters were set according to each
   ii. Specific sub-test in the following table, C10.1.4, quoted from the TS 34.121
   iii. Set RMC 12.2Kbps + HSDPA mode.
   iv. Set Cell Power = -86 dBm
   v. Set HS-DSCH Configuration Type to FRC (H-set 1, QPSK)
   vi. Select HSDPA Uplink Parameters
   vii. Set Delta ACK, Delta NACK and Delta CQI = 8
   viii. Set Ack-Nack Repetition Factor to 3
   ix. Set CQI Feedback Cycle (k) to 4 ms
   x. Set CQI Repetition Factor to 2
   xi. Power Ctrl Mode = All Up bits
d. The transmitted maximum output power was recorded.

Table C.10.1.4: β values for transmitter characteristics tests with HS-DPCCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note1, Note 2)	CM (dB) (Note 3)	MPR (dB) (Note 3)
1	2/15	15/15	64	2/15	4/15	0.0	0.0
2	12/15 (Note 4)	15/15 (Note 4)	64	12/15 (Note 4)	24/15	1.0	0.0
3	15/15	8/15	64	15/8	30/15	1.5	0.5
4	15/15	4/15	64	15/4	30/15	1.5	0.5

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with β_{hs} = 30/15 * β_c.

Note 2: For the HS-DPCCH power mask requirement test in clause 5.2C, 5.7A, and the Error Vector Magnitude (EVM) with HS-DPCCH test in clause 5.13.1A, and HSDPA EVM with phase discontinuity in clause 5.13.1AA, Δ_{ACK} and Δ_{NACK} = 30/15 with β_{hs} = 30/15 * β_c, and Δ_{CQI} = 24/15 with β_{hs} = 24/15 * β_c.

Note 3: CM = 1 for β_c/β_d =12/15, β_{hs}/β_c=24/15. For all other combinations of DPDCH, DPCCH and HS-DPCCH the MPR is based on the relative CM difference. This is applicable for only UEs that support HSDPA in release 6 and later releases.

Note 4: For subtest 2 the β_c/β_d ratio of 12/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to β_c = 11/15 and β_d = 15/15.

Setup Configuration

HSUPA Setup Configuration:

a. The EUT was connected to Base Station R&S CMW500 referred to the Setup Configuration.
b. The RF path losses were compensated into the measurements.
c. A call was established between EUT and Base Station with following setting * :
   i. Call Configs = 5.2B, 5.9B, 5.10B, and 5.13.2B with QPSK
   ii. Set the Gain Factors (β_c and β_d) and parameters (AG Index) were set according to each specific sub-test in the following table, C11.1.3, quoted from the TS 34.121
   iii. Set Cell Power = -86 dBm
   iv. Set Channel Type = 12.2k + HSPA
   v. Set UE Target Power
   vi. Power Ctrl Mode= Alternating bits
   vii. Set and observe the E-TFCI
   viii. Confirm that E-TFCI is equal to the target E-TFCI of 75 for sub-test 1, and other subtest's E-TFCI
d. The transmitted maximum output power was recorded.

Table C.11.1.3: β values for transmitter characteristics tests with HS-DPCCH and E-DCH

Sub-test	β_c	β_d	β_d (SF)	β_c/β_d	β_{HS} (Note1)	β_{ec}	β_{ed} (Note 5) (Note 6)	β_{ed} (SF)	β_{ed} (Codes)	CM (dB) (Note 2)	MPR (dB) (Note 2)	AG Index (Note 6)	E-TFCI
1	11/15 (Note 3)	15/15 (Note 3)	64	11/15 (Note 3)	22/15	209/225	1309/225	4	1	1.0	0.0	20	75
2	6/15	15/15	64	6/15	12/15	12/15	94/75	4	1	3.0	2.0	12	67
3	15/15	9/15	64	15/9	30/15	30/15	$\beta_{ed}1$: 47/15 $\beta_{ed}2$: 47/15	4 4	2	2.0	1.0	15	92
4	2/15	15/15	64	2/15	4/15	2/15	56/75	4	1	3.0	2.0	17	71
5	15/15 (Note 4)	15/15 (Note 4)	64	15/15 (Note 4)	30/15	24/15	134/15	4	1	1.0	0.0	21	81

Note 1: Δ_{ACK}, Δ_{NACK} and Δ_{CQI} = 30/15 with β_{hs} = 30/15 * β_c.

Note 2: CM = 1 for β_c/β_d =12/15, β_{hs}/β_c=24/15. For all other combinations of DPDCH, DPCCH, HS- DPCCH, E-DPDCH and E-DPCCH the MPR is based on the relative CM difference.

Note 3: For subtest 1 the β_c/β_d ratio of 11/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to β_c = 10/15 and β_d = 15/15.

Note 4: For subtest 5 the β_c/β_d ratio of 15/15 for the TFC during the measurement period (TF1, TF0) is achieved by setting the signalled gain factors for the reference TFC (TF1, TF1) to β_c = 14/15 and β_d = 15/15.

Note 5: In case of testing by UE using E-DPDCH Physical Layer category 1, Sub-test 3 is omitted according to TS25.306 Table 5.1g.

Note 6: β_{ed} can not be set directly, it is set by Absolute Grant Value.

General Note

1. Per KDB 941225 D01, RMC 12.2kbps setting is used to evaluate SAR. If AMR 12.2kbps power is < 0.25dB higher than RMC 12.2kbps, SAR tests with AMR 12.2kbps can be excluded.
2. By design, AMR and HSDPA/HSUPA RF power will not be larger than RMC 12.2kbps, detailed information is included in Tune-up Procure exhibit.
3. It is expected by the manufacturer that MPR for some HSDPA/HSUPA subtests may differ from the specification of 3GPP, according to the chipset implementation in this model. The implementation and expected deviation are detailed in tune-up procedure exhibit.

7.1.3. Conducted Power Measurement Results(WCDMA Band II)

Item	Band	WCDMA Band II result (dBm)			
		Channel/Frequency(MHz)			
	sub-test	9262/1852.4	9400/1880	9538/1907.6	Tune up
RMC	12.2kbps RMC	23.53	23.59	23.54	24.00
HSDPA	Sub –Test 1	22.90	22.92	22.98	23.00
	Sub –Test 2	22.87	22.88	22.80	23.00
	Sub –Test 3	22.72	22.72	22.74	23.00
	Sub –Test 4	22.86	22.87	22.70	23.00
HSUPA	Sub –Test 1	22.75	22.78	22.88	23.00
	Sub –Test 2	22.76	22.70	22.83	23.00
	Sub –Test 3	22.86	22.89	22.82	23.00
	Sub –Test 4	22.71	22.72	22.83	23.00
	Sub –Test 5	22.79	22.70	22.72	23.00

Note:
1) when the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel must be used.

7.1.4. Conducted Power Measurement Results(WCDMA Band IV)

Item	Band	WCDMA Band IV result (dBm)			
		Channel/Frequency(MHz)			
	sub-test	1312/1712.4	1413/1732.6	1513/1752.6	Tune up
RMC	12.2kbps RMC	23.60	23.58	23.56	24.00
HSDPA	Sub –Test 1	22.81	22.85	22.91	23.00
	Sub –Test 2	22.82	22.82	22.88	23.00
	Sub –Test 3	22.82	22.86	22.72	23.00
	Sub –Test 4	22.72	22.82	22.86	23.00
HSUPA	Sub –Test 1	22.87	22.74	22.83	23.00
	Sub –Test 2	22.76	22.89	22.78	23.00
	Sub –Test 3	22.85	22.83	22.73	23.00
	Sub –Test 4	22.88	22.79	22.71	23.00
	Sub –Test 5	22.88	22.87	22.77	23.00

Note:
2) when the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel must be used.

7.1.5. Conducted Power Measurement Results(WCDMA Band V)

Item	Band	WCDMA Band V result (dBm)			
		Channel/Frequency(MHz)			
	sub-test	4132/826.4	4182/836.4	4233/846.6	Tune up
RMC	12.2kbps RMC	22.80	22.74	22.87	23.00
HSDPA	Sub –Test 1	21.60	21.28	20.94	22.00
	Sub –Test 2	21.55	21.77	21.50	22.00
	Sub –Test 3	20.71	20.31	20.61	21.00
	Sub –Test 4	21.26	21.04	21.15	22.00
HSUPA	Sub –Test 1	22.27	22.06	22.52	23.00
	Sub –Test 2	21.40	20.84	21.39	22.00
	Sub –Test 3	22.04	21.71	21.76	23.00
	Sub –Test 4	20.58	20.96	20.93	21.00
	Sub –Test 5	21.04	21.30	20.91	22.00

Note:
3) when the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel must be used.

7.1.6. Conducted Power Measurement Results(LTE Band 2)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune Up (dBm)
Band2	1.4MHz	QPSK	18607	1RB#0	22.26	23.00
Band2	1.4MHz	16QAM	18607	1RB#0	21.28	22.00
Band2	1.4MHz	QPSK	18607	1RB#2	22.32	23.00
Band2	1.4MHz	16QAM	18607	1RB#2	21.28	22.00
Band2	1.4MHz	QPSK	18607	1RB#5	22.41	23.00
Band2	1.4MHz	16QAM	18607	1RB#5	21.36	22.00
Band2	1.4MHz	QPSK	18607	3RB#0	22.43	23.00
Band2	1.4MHz	16QAM	18607	3RB#0	21.22	22.00
Band2	1.4MHz	QPSK	18607	3RB#1	22.43	23.00
Band2	1.4MHz	16QAM	18607	3RB#1	21.24	22.00
Band2	1.4MHz	QPSK	18607	3RB#3	22.45	23.00
Band2	1.4MHz	16QAM	18607	3RB#3	21.27	22.00
Band2	1.4MHz	QPSK	18607	6RB#0	21.54	22.00
Band2	1.4MHz	16QAM	18607	6RB#0	20.50	21.00
Band2	1.4MHz	QPSK	18900	1RB#0	22.48	23.00
Band2	1.4MHz	16QAM	18900	1RB#0	21.43	22.00
Band2	1.4MHz	QPSK	18900	1RB#2	22.46	23.00
Band2	1.4MHz	16QAM	18900	1RB#2	21.42	22.00
Band2	1.4MHz	QPSK	18900	1RB#5	22.46	23.00
Band2	1.4MHz	16QAM	18900	1RB#5	21.37	22.00
Band2	1.4MHz	QPSK	18900	3RB#0	22.44	23.00
Band2	1.4MHz	16QAM	18900	3RB#0	21.30	22.00
Band2	1.4MHz	QPSK	18900	3RB#1	22.46	23.00
Band2	1.4MHz	16QAM	18900	3RB#1	21.29	22.00
Band2	1.4MHz	QPSK	18900	3RB#3	22.47	23.00
Band2	1.4MHz	16QAM	18900	3RB#3	21.32	22.00
Band2	1.4MHz	QPSK	18900	6RB#0	21.53	22.00
Band2	1.4MHz	16QAM	18900	6RB#0	20.52	21.00
Band2	1.4MHz	QPSK	19193	1RB#0	22.80	23.00
Band2	1.4MHz	16QAM	19193	1RB#0	21.80	22.00
Band2	1.4MHz	QPSK	19193	1RB#2	22.82	23.00
Band2	1.4MHz	16QAM	19193	1RB#2	21.79	22.00
Band2	1.4MHz	QPSK	19193	1RB#5	22.85	23.00
Band2	1.4MHz	16QAM	19193	1RB#5	21.78	22.00
Band2	1.4MHz	QPSK	19193	3RB#0	22.85	23.00
Band2	1.4MHz	16QAM	19193	3RB#0	21.79	22.00
Band2	1.4MHz	QPSK	19193	3RB#1	22.88	23.00
Band2	1.4MHz	16QAM	19193	3RB#1	21.79	22.00
Band2	1.4MHz	QPSK	19193	3RB#3	22.89	23.00
Band2	1.4MHz	16QAM	19193	3RB#3	21.79	22.00
Band2	1.4MHz	QPSK	19193	6RB#0	21.96	22.00
Band2	1.4MHz	16QAM	19193	6RB#0	20.96	21.00
Band2	3MHz	QPSK	18615	1RB#0	22.81	23.00
Band2	3MHz	16QAM	18615	1RB#0	21.73	22.00
Band2	3MHz	QPSK	18615	1RB#8	22.87	23.00
Band2	3MHz	16QAM	18615	1RB#8	21.75	22.00
Band2	3MHz	QPSK	18615	1RB#14	22.91	23.00
Band2	3MHz	16QAM	18615	1RB#14	21.79	22.00
Band2	3MHz	QPSK	18615	8RB#0	21.85	22.00
Band2	3MHz	16QAM	18615	8RB#0	20.87	21.00
Band2	3MHz	QPSK	18615	8RB#4	21.89	22.00
Band2	3MHz	16QAM	18615	8RB#4	20.88	21.00
Band2	3MHz	QPSK	18615	8RB#7	21.86	22.00
Band2	3MHz	16QAM	18615	8RB#7	20.83	21.00
Band2	3MHz	QPSK	18615	15RB#0	21.82	22.00
Band2	3MHz	16QAM	18615	15RB#0	20.85	21.00
Band2	3MHz	QPSK	18900	1RB#0	22.81	23.00
Band2	3MHz	16QAM	18900	1RB#0	21.81	22.00
Band2	3MHz	QPSK	18900	1RB#8	22.93	23.00
Band2	3MHz	16QAM	18900	1RB#8	21.90	22.00
Band2	3MHz	QPSK	18900	1RB#14	22.85	23.00
Band2	3MHz	16QAM	18900	1RB#14	21.89	22.00

Band2	3MHz	QPSK	18900	8RB#0	21.89	22.00
Band2	3MHz	16QAM	18900	8RB#0	20.91	21.00
Band2	3MHz	QPSK	18900	8RB#4	21.87	22.00
Band2	3MHz	16QAM	18900	8RB#4	20.93	21.00
Band2	3MHz	QPSK	18900	8RB#7	21.87	22.00
Band2	3MHz	16QAM	18900	8RB#7	20.87	21.00
Band2	3MHz	QPSK	18900	15RB#0	21.87	22.00
Band2	3MHz	16QAM	18900	15RB#0	20.86	21.00
Band2	3MHz	QPSK	19185	1RB#0	23.20	24.00
Band2	3MHz	16QAM	19185	1RB#0	22.23	23.00
Band2	3MHz	QPSK	19185	1RB#8	23.17	24.00
Band2	3MHz	16QAM	19185	1RB#8	22.15	23.00
Band2	3MHz	QPSK	19185	1RB#14	23.22	24.00
Band2	3MHz	16QAM	19185	1RB#14	22.22	23.00
Band2	3MHz	QPSK	19185	8RB#0	22.26	23.00
Band2	3MHz	16QAM	19185	8RB#0	21.29	22.00
Band2	3MHz	QPSK	19185	8RB#4	22.23	23.00
Band2	3MHz	16QAM	19185	8RB#4	21.28	22.00
Band2	3MHz	QPSK	19185	8RB#7	22.25	23.00
Band2	3MHz	16QAM	19185	8RB#7	21.24	22.00
Band2	3MHz	QPSK	19185	15RB#0	22.23	23.00
Band2	3MHz	16QAM	19185	15RB#0	21.25	22.00
Band2	5MHz	QPSK	18625	1RB#0	23.09	24.00
Band2	5MHz	16QAM	18625	1RB#0	21.89	22.00
Band2	5MHz	QPSK	18625	1RB#12	23.03	24.00
Band2	5MHz	16QAM	18625	1RB#12	21.83	22.00
Band2	5MHz	QPSK	18625	1RB#24	23.18	24.00
Band2	5MHz	16QAM	18625	1RB#24	21.93	22.00
Band2	5MHz	QPSK	18625	12RB#0	21.91	22.00
Band2	5MHz	16QAM	18625	12RB#0	20.92	21.00
Band2	5MHz	QPSK	18625	12RB#6	21.92	22.00
Band2	5MHz	16QAM	18625	12RB#6	20.91	21.00
Band2	5MHz	QPSK	18625	12RB#13	21.93	22.00
Band2	5MHz	16QAM	18625	12RB#13	20.97	21.00
Band2	5MHz	QPSK	18625	25RB#0	21.97	22.00
Band2	5MHz	16QAM	18625	25RB#0	20.95	21.00
Band2	5MHz	QPSK	18900	1RB#0	23.00	24.00
Band2	5MHz	16QAM	18900	1RB#0	21.89	22.00
Band2	5MHz	QPSK	18900	1RB#12	23.02	24.00
Band2	5MHz	16QAM	18900	1RB#12	21.90	22.00
Band2	5MHz	QPSK	18900	1RB#24	23.16	24.00
Band2	5MHz	16QAM	18900	1RB#24	21.91	22.00
Band2	5MHz	QPSK	18900	12RB#0	21.95	22.00
Band2	5MHz	16QAM	18900	12RB#0	20.94	21.00
Band2	5MHz	QPSK	18900	12RB#6	21.94	22.00
Band2	5MHz	16QAM	18900	12RB#6	20.92	21.00
Band2	5MHz	QPSK	18900	12RB#13	21.93	22.00
Band2	5MHz	16QAM	18900	12RB#13	20.90	21.00
Band2	5MHz	QPSK	18900	25RB#0	21.96	22.00
Band2	5MHz	16QAM	18900	25RB#0	20.95	21.00
Band2	5MHz	QPSK	19175	1RB#0	23.54	24.00
Band2	5MHz	16QAM	19175	1RB#0	22.33	23.00
Band2	5MHz	QPSK	19175	1RB#12	23.44	24.00
Band2	5MHz	16QAM	19175	1RB#12	22.32	23.00
Band2	5MHz	QPSK	19175	1RB#24	23.55	24.00
Band2	5MHz	16QAM	19175	1RB#24	22.30	23.00
Band2	5MHz	QPSK	19175	12RB#0	22.29	23.00
Band2	5MHz	16QAM	19175	12RB#0	21.33	22.00
Band2	5MHz	QPSK	19175	12RB#6	22.30	23.00
Band2	5MHz	16QAM	19175	12RB#6	21.29	22.00
Band2	5MHz	QPSK	19175	12RB#13	22.30	23.00
Band2	5MHz	16QAM	19175	12RB#13	21.32	22.00
Band2	5MHz	QPSK	19175	25RB#0	22.35	23.00
Band2	5MHz	16QAM	19175	25RB#0	21.32	22.00
Band2	10MHz	QPSK	18650	1RB#0	23.03	24.00

Band2	10MHz	16QAM	18650	1RB#0	21.90	22.00
Band2	10MHz	QPSK	18650	1RB#24	22.96	23.00
Band2	10MHz	16QAM	18650	1RB#24	21.98	22.00
Band2	10MHz	QPSK	18650	1RB#49	23.04	24.00
Band2	10MHz	16QAM	18650	1RB#49	22.11	23.00
Band2	10MHz	QPSK	18650	25RB#0	21.94	22.00
Band2	10MHz	16QAM	18650	25RB#0	20.90	21.00
Band2	10MHz	QPSK	18650	25RB#12	21.95	22.00
Band2	10MHz	16QAM	18650	25RB#12	20.91	21.00
Band2	10MHz	QPSK	18650	25RB#25	22.06	23.00
Band2	10MHz	16QAM	18650	25RB#25	21.02	22.00
Band2	10MHz	QPSK	18650	50RB#0	22.00	23.00
Band2	10MHz	16QAM	18650	50RB#0	21.01	22.00
Band2	10MHz	QPSK	18900	1RB#0	22.87	23.00
Band2	10MHz	16QAM	18900	1RB#0	21.84	22.00
Band2	10MHz	QPSK	18900	1RB#24	22.96	23.00
Band2	10MHz	16QAM	18900	1RB#24	21.98	22.00
Band2	10MHz	QPSK	18900	1RB#49	23.03	24.00
Band2	10MHz	16QAM	18900	1RB#49	21.96	22.00
Band2	10MHz	QPSK	18900	25RB#0	21.94	22.00
Band2	10MHz	16QAM	18900	25RB#0	20.90	21.00
Band2	10MHz	QPSK	18900	25RB#12	21.92	22.00
Band2	10MHz	16QAM	18900	25RB#12	20.89	21.00
Band2	10MHz	QPSK	18900	25RB#25	21.97	22.00
Band2	10MHz	16QAM	18900	25RB#25	20.97	21.00
Band2	10MHz	QPSK	18900	50RB#0	21.94	22.00
Band2	10MHz	16QAM	18900	50RB#0	20.89	21.00
Band2	10MHz	QPSK	19150	1RB#0	23.33	24.00
Band2	10MHz	16QAM	19150	1RB#0	22.26	23.00
Band2	10MHz	QPSK	19150	1RB#24	23.30	24.00
Band2	10MHz	16QAM	19150	1RB#24	22.31	23.00
Band2	10MHz	QPSK	19150	1RB#49	23.33	24.00
Band2	10MHz	16QAM	19150	1RB#49	22.37	23.00
Band2	10MHz	QPSK	19150	25RB#0	22.35	23.00
Band2	10MHz	16QAM	19150	25RB#0	21.32	22.00
Band2	10MHz	QPSK	19150	25RB#12	22.35	23.00
Band2	10MHz	16QAM	19150	25RB#12	21.32	22.00
Band2	10MHz	QPSK	19150	25RB#25	22.38	23.00
Band2	10MHz	16QAM	19150	25RB#25	21.37	22.00
Band2	10MHz	QPSK	19150	50RB#0	22.34	23.00
Band2	10MHz	16QAM	19150	50RB#0	21.32	22.00
Band2	15MHz	QPSK	18675	1RB#0	23.09	24.00
Band2	15MHz	16QAM	18675	1RB#0	22.02	23.00
Band2	15MHz	QPSK	18675	1RB#38	23.09	24.00
Band2	15MHz	16QAM	18675	1RB#38	21.98	22.00
Band2	15MHz	QPSK	18675	1RB#74	23.01	24.00
Band2	15MHz	16QAM	18675	1RB#74	22.12	23.00
Band2	15MHz	QPSK	18675	38RB#0	22.00	23.00
Band2	15MHz	16QAM	18675	38RB#0	22.02	23.00
Band2	15MHz	QPSK	18675	38RB#18	22.04	23.00
Band2	15MHz	16QAM	18675	38RB#18	22.02	23.00
Band2	15MHz	QPSK	18675	38RB#37	22.00	23.00
Band2	15MHz	16QAM	18675	38RB#37	22.01	23.00
Band2	15MHz	QPSK	18675	75RB#0	22.01	23.00
Band2	15MHz	16QAM	18675	75RB#0	21.01	22.00
Band2	15MHz	QPSK	18900	1RB#0	22.89	23.00
Band2	15MHz	16QAM	18900	1RB#0	21.97	22.00
Band2	15MHz	QPSK	18900	1RB#38	23.07	24.00
Band2	15MHz	16QAM	18900	1RB#38	22.04	23.00
Band2	15MHz	QPSK	18900	1RB#74	23.19	24.00
Band2	15MHz	16QAM	18900	1RB#74	22.11	23.00
Band2	15MHz	QPSK	18900	38RB#0	21.98	22.00
Band2	15MHz	16QAM	18900	38RB#0	21.97	22.00
Band2	15MHz	QPSK	18900	38RB#18	21.97	22.00
Band2	15MHz	16QAM	18900	38RB#18	21.97	22.00

Band2	15MHz	QPSK	18900	38RB#37	21.96	22.00
Band2	15MHz	16QAM	18900	38RB#37	21.97	22.00
Band2	15MHz	QPSK	18900	75RB#0	21.96	22.00
Band2	15MHz	16QAM	18900	75RB#0	20.93	21.00
Band2	15MHz	QPSK	19125	1RB#0	23.25	24.00
Band2	15MHz	16QAM	19125	1RB#0	22.23	23.00
Band2	15MHz	QPSK	19125	1RB#38	23.38	24.00
Band2	15MHz	16QAM	19125	1RB#38	22.44	23.00
Band2	15MHz	QPSK	19125	1RB#74	23.43	24.00
Band2	15MHz	16QAM	19125	1RB#74	22.43	23.00
Band2	15MHz	QPSK	19125	38RB#0	22.35	23.00
Band2	15MHz	16QAM	19125	38RB#0	22.36	23.00
Band2	15MHz	QPSK	19125	38RB#18	22.32	23.00
Band2	15MHz	16QAM	19125	38RB#18	22.33	23.00
Band2	15MHz	QPSK	19125	38RB#37	22.35	23.00
Band2	15MHz	16QAM	19125	38RB#37	22.34	23.00
Band2	15MHz	QPSK	19125	75RB#0	22.32	23.00
Band2	15MHz	16QAM	19125	75RB#0	21.31	22.00
Band2	20MHz	QPSK	18700	1RB#0	23.18	24.00
Band2	20MHz	16QAM	18700	1RB#0	22.01	23.00
Band2	20MHz	QPSK	18700	1RB#49	23.23	24.00
Band2	20MHz	16QAM	18700	1RB#49	21.99	22.00
Band2	20MHz	QPSK	18700	1RB#99	23.04	24.00
Band2	20MHz	16QAM	18700	1RB#99	21.92	22.00
Band2	20MHz	QPSK	18700	50RB#0	22.06	23.00
Band2	20MHz	16QAM	18700	50RB#0	21.03	22.00
Band2	20MHz	QPSK	18700	50RB#25	22.03	23.00
Band2	20MHz	16QAM	18700	50RB#25	21.02	22.00
Band2	20MHz	QPSK	18700	50RB#50	22.03	23.00
Band2	20MHz	16QAM	18700	50RB#50	21.01	22.00
Band2	20MHz	QPSK	18700	100RB#0	22.04	23.00
Band2	20MHz	16QAM	18700	100RB#0	20.99	21.00
Band2	20MHz	QPSK	18900	1RB#0	23.12	24.00
Band2	20MHz	16QAM	18900	1RB#0	21.88	22.00
Band2	20MHz	QPSK	18900	1RB#49	23.06	24.00
Band2	20MHz	16QAM	18900	1RB#49	21.95	22.00
Band2	20MHz	QPSK	18900	1RB#99	23.30	24.00
Band2	20MHz	16QAM	18900	1RB#99	22.12	23.00
Band2	20MHz	QPSK	18900	50RB#0	22.04	23.00
Band2	20MHz	16QAM	18900	50RB#0	21.04	22.00
Band2	20MHz	QPSK	18900	50RB#25	22.06	23.00
Band2	20MHz	16QAM	18900	50RB#25	21.05	22.00
Band2	20MHz	QPSK	18900	50RB#50	22.12	23.00
Band2	20MHz	16QAM	18900	50RB#50	21.10	22.00
Band2	20MHz	QPSK	18900	100RB#0	22.06	23.00
Band2	20MHz	16QAM	18900	100RB#0	21.03	22.00
Band2	20MHz	QPSK	19100	1RB#0	23.31	24.00
Band2	20MHz	16QAM	19100	1RB#0	22.08	23.00
Band2	20MHz	QPSK	19100	1RB#49	23.39	24.00
Band2	20MHz	16QAM	19100	1RB#49	22.30	23.00
Band2	20MHz	QPSK	19100	1RB#99	23.44	24.00
Band2	20MHz	16QAM	19100	1RB#99	22.27	23.00
Band2	20MHz	QPSK	19100	50RB#0	22.34	23.00
Band2	20MHz	16QAM	19100	50RB#0	21.35	22.00
Band2	20MHz	QPSK	19100	50RB#25	22.33	23.00
Band2	20MHz	16QAM	19100	50RB#25	21.34	22.00
Band2	20MHz	QPSK	19100	50RB#50	22.43	23.00
Band2	20MHz	16QAM	19100	50RB#50	21.43	22.00
Band2	20MHz	QPSK	19100	100RB#0	22.39	23.00
Band2	20MHz	16QAM	19100	100RB#0	21.38	22.00

7.1.7. Conducted Power Measurement Results(LTE Band 4)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune Up (dBm)
Band4	1.4MHz	QPSK	19957	1RB#0	22.77	23.00
Band4	1.4MHz	16QAM	19957	1RB#0	21.75	22.00
Band4	1.4MHz	QPSK	19957	1RB#2	22.73	23.00
Band4	1.4MHz	16QAM	19957	1RB#2	21.69	22.00
Band4	1.4MHz	QPSK	19957	1RB#5	22.77	23.00
Band4	1.4MHz	16QAM	19957	1RB#5	21.69	22.00
Band4	1.4MHz	QPSK	19957	3RB#0	22.83	23.00
Band4	1.4MHz	16QAM	19957	3RB#0	21.66	22.00
Band4	1.4MHz	QPSK	19957	3RB#1	22.82	23.00
Band4	1.4MHz	16QAM	19957	3RB#1	21.70	22.00
Band4	1.4MHz	QPSK	19957	3RB#3	22.78	23.00
Band4	1.4MHz	16QAM	19957	3RB#3	21.64	22.00
Band4	1.4MHz	QPSK	19957	6RB#0	21.86	22.00
Band4	1.4MHz	16QAM	19957	6RB#0	20.86	21.00
Band4	1.4MHz	QPSK	20175	1RB#0	23.01	24.00
Band4	1.4MHz	16QAM	20175	1RB#0	21.86	22.00
Band4	1.4MHz	QPSK	20175	1RB#2	22.94	23.00
Band4	1.4MHz	16QAM	20175	1RB#2	21.86	22.00
Band4	1.4MHz	QPSK	20175	1RB#5	23.06	24.00
Band4	1.4MHz	16QAM	20175	1RB#5	21.90	22.00
Band4	1.4MHz	QPSK	20175	3RB#0	23.05	24.00
Band4	1.4MHz	16QAM	20175	3RB#0	21.81	22.00
Band4	1.4MHz	QPSK	20175	3RB#1	23.06	24.00
Band4	1.4MHz	16QAM	20175	3RB#1	21.85	22.00
Band4	1.4MHz	QPSK	20175	3RB#3	23.09	24.00
Band4	1.4MHz	16QAM	20175	3RB#3	21.87	22.00
Band4	1.4MHz	QPSK	20175	6RB#0	21.97	22.00
Band4	1.4MHz	16QAM	20175	6RB#0	20.82	21.00
Band4	1.4MHz	QPSK	20393	1RB#0	22.85	23.00
Band4	1.4MHz	16QAM	20393	1RB#0	21.66	22.00
Band4	1.4MHz	QPSK	20393	1RB#2	22.83	23.00
Band4	1.4MHz	16QAM	20393	1RB#2	21.63	22.00
Band4	1.4MHz	QPSK	20393	1RB#5	22.91	23.00
Band4	1.4MHz	16QAM	20393	1RB#5	21.66	22.00
Band4	1.4MHz	QPSK	20393	3RB#0	22.93	23.00
Band4	1.4MHz	16QAM	20393	3RB#0	21.66	22.00
Band4	1.4MHz	QPSK	20393	3RB#1	22.90	23.00
Band4	1.4MHz	16QAM	20393	3RB#1	21.72	22.00
Band4	1.4MHz	QPSK	20393	3RB#3	22.88	23.00
Band4	1.4MHz	16QAM	20393	3RB#3	21.75	22.00
Band4	1.4MHz	QPSK	20393	6RB#0	21.90	22.00
Band4	1.4MHz	16QAM	20393	6RB#0	20.87	21.00
Band4	3MHz	QPSK	19965	1RB#0	22.95	23.00
Band4	3MHz	16QAM	19965	1RB#0	21.80	22.00
Band4	3MHz	QPSK	19965	1RB#8	22.90	23.00
Band4	3MHz	16QAM	19965	1RB#8	21.74	22.00
Band4	3MHz	QPSK	19965	1RB#14	22.91	23.00
Band4	3MHz	16QAM	19965	1RB#14	21.75	22.00
Band4	3MHz	QPSK	19965	8RB#0	21.85	22.00
Band4	3MHz	16QAM	19965	8RB#0	20.85	21.00
Band4	3MHz	QPSK	19965	8RB#4	21.82	22.00
Band4	3MHz	16QAM	19965	8RB#4	20.86	21.00
Band4	3MHz	QPSK	19965	8RB#7	21.82	22.00
Band4	3MHz	16QAM	19965	8RB#7	20.86	21.00
Band4	3MHz	QPSK	19965	15RB#0	21.84	22.00
Band4	3MHz	16QAM	19965	15RB#0	20.84	21.00
Band4	3MHz	QPSK	20175	1RB#0	22.98	23.00
Band4	3MHz	16QAM	20175	1RB#0	21.91	22.00
Band4	3MHz	QPSK	20175	1RB#8	23.01	24.00
Band4	3MHz	16QAM	20175	1RB#8	21.86	22.00
Band4	3MHz	QPSK	20175	1RB#14	23.03	24.00
Band4	3MHz	16QAM	20175	1RB#14	21.84	22.00

Band4	3MHz	QPSK	20175	8RB#0	21.99	22.00
Band4	3MHz	16QAM	20175	8RB#0	20.95	21.00
Band4	3MHz	QPSK	20175	8RB#4	21.99	22.00
Band4	3MHz	16QAM	20175	8RB#4	20.94	21.00
Band4	3MHz	QPSK	20175	8RB#7	21.93	22.00
Band4	3MHz	16QAM	20175	8RB#7	20.98	21.00
Band4	3MHz	QPSK	20175	15RB#0	21.97	22.00
Band4	3MHz	16QAM	20175	15RB#0	20.87	21.00
Band4	3MHz	QPSK	20385	1RB#0	22.85	23.00
Band4	3MHz	16QAM	20385	1RB#0	21.62	22.00
Band4	3MHz	QPSK	20385	1RB#8	22.82	23.00
Band4	3MHz	16QAM	20385	1RB#8	21.61	22.00
Band4	3MHz	QPSK	20385	1RB#14	22.89	23.00
Band4	3MHz	16QAM	20385	1RB#14	21.68	22.00
Band4	3MHz	QPSK	20385	8RB#0	21.96	22.00
Band4	3MHz	16QAM	20385	8RB#0	20.97	21.00
Band4	3MHz	QPSK	20385	8RB#4	21.97	22.00
Band4	3MHz	16QAM	20385	8RB#4	20.95	21.00
Band4	3MHz	QPSK	20385	8RB#7	21.92	22.00
Band4	3MHz	16QAM	20385	8RB#7	20.95	21.00
Band4	3MHz	QPSK	20385	15RB#0	21.92	22.00
Band4	3MHz	16QAM	20385	15RB#0	20.84	21.00
Band4	5MHz	QPSK	19975	1RB#0	23.09	24.00
Band4	5MHz	16QAM	19975	1RB#0	21.90	22.00
Band4	5MHz	QPSK	19975	1RB#12	22.96	23.00
Band4	5MHz	16QAM	19975	1RB#12	21.84	22.00
Band4	5MHz	QPSK	19975	1RB#24	22.96	23.00
Band4	5MHz	16QAM	19975	1RB#24	21.83	22.00
Band4	5MHz	QPSK	19975	12RB#0	21.93	22.00
Band4	5MHz	16QAM	19975	12RB#0	20.91	21.00
Band4	5MHz	QPSK	19975	12RB#6	21.90	22.00
Band4	5MHz	16QAM	19975	12RB#6	20.91	21.00
Band4	5MHz	QPSK	19975	12RB#13	21.87	22.00
Band4	5MHz	16QAM	19975	12RB#13	20.87	21.00
Band4	5MHz	QPSK	19975	25RB#0	21.93	22.00
Band4	5MHz	16QAM	19975	25RB#0	20.92	21.00
Band4	5MHz	QPSK	20175	1RB#0	23.04	24.00
Band4	5MHz	16QAM	20175	1RB#0	22.07	23.00
Band4	5MHz	QPSK	20175	1RB#12	23.07	24.00
Band4	5MHz	16QAM	20175	1RB#12	22.09	23.00
Band4	5MHz	QPSK	20175	1RB#24	23.14	24.00
Band4	5MHz	16QAM	20175	1RB#24	22.12	23.00
Band4	5MHz	QPSK	20175	12RB#0	22.03	23.00
Band4	5MHz	16QAM	20175	12RB#0	21.09	22.00
Band4	5MHz	QPSK	20175	12RB#6	22.02	23.00
Band4	5MHz	16QAM	20175	12RB#6	21.10	22.00
Band4	5MHz	QPSK	20175	12RB#13	22.05	23.00
Band4	5MHz	16QAM	20175	12RB#13	21.11	22.00
Band4	5MHz	QPSK	20175	25RB#0	22.05	23.00
Band4	5MHz	16QAM	20175	25RB#0	20.99	21.00
Band4	5MHz	QPSK	20375	1RB#0	23.05	24.00
Band4	5MHz	16QAM	20375	1RB#0	21.92	22.00
Band4	5MHz	QPSK	20375	1RB#12	23.09	24.00
Band4	5MHz	16QAM	20375	1RB#12	21.88	22.00
Band4	5MHz	QPSK	20375	1RB#24	23.00	24.00
Band4	5MHz	16QAM	20375	1RB#24	21.87	22.00
Band4	5MHz	QPSK	20375	12RB#0	21.97	22.00
Band4	5MHz	16QAM	20375	12RB#0	21.00	22.00
Band4	5MHz	QPSK	20375	12RB#6	21.97	22.00
Band4	5MHz	16QAM	20375	12RB#6	21.00	22.00
Band4	5MHz	QPSK	20375	12RB#13	21.95	22.00
Band4	5MHz	16QAM	20375	12RB#13	20.99	21.00
Band4	5MHz	QPSK	20375	25RB#0	22.00	23.00
Band4	5MHz	16QAM	20375	25RB#0	20.99	21.00
Band4	10MHz	QPSK	20000	1RB#0	22.96	23.00

Band4	10MHz	16QAM	20000	1RB#0	21.91	22.00
Band4	10MHz	QPSK	20000	1RB#24	22.82	23.00
Band4	10MHz	16QAM	20000	1RB#24	21.85	22.00
Band4	10MHz	QPSK	20000	1RB#49	22.90	23.00
Band4	10MHz	16QAM	20000	1RB#49	21.94	22.00
Band4	10MHz	QPSK	20000	25RB#0	21.90	22.00
Band4	10MHz	16QAM	20000	25RB#0	20.86	21.00
Band4	10MHz	QPSK	20000	25RB#12	21.89	22.00
Band4	10MHz	16QAM	20000	25RB#12	20.87	21.00
Band4	10MHz	QPSK	20000	25RB#25	21.90	22.00
Band4	10MHz	16QAM	20000	25RB#25	20.83	21.00
Band4	10MHz	QPSK	20000	50RB#0	21.89	22.00
Band4	10MHz	16QAM	20000	50RB#0	20.85	21.00
Band4	10MHz	QPSK	20175	1RB#0	23.05	24.00
Band4	10MHz	16QAM	20175	1RB#0	21.94	22.00
Band4	10MHz	QPSK	20175	1RB#24	23.05	24.00
Band4	10MHz	16QAM	20175	1RB#24	21.91	22.00
Band4	10MHz	QPSK	20175	1RB#49	23.06	24.00
Band4	10MHz	16QAM	20175	1RB#49	21.94	22.00
Band4	10MHz	QPSK	20175	25RB#0	22.05	23.00
Band4	10MHz	16QAM	20175	25RB#0	21.02	22.00
Band4	10MHz	QPSK	20175	25RB#12	22.03	23.00
Band4	10MHz	16QAM	20175	25RB#12	21.01	22.00
Band4	10MHz	QPSK	20175	25RB#25	22.08	23.00
Band4	10MHz	16QAM	20175	25RB#25	21.08	22.00
Band4	10MHz	QPSK	20175	50RB#0	22.04	23.00
Band4	10MHz	16QAM	20175	50RB#0	21.05	22.00
Band4	10MHz	QPSK	20350	1RB#0	22.95	23.00
Band4	10MHz	16QAM	20350	1RB#0	21.79	22.00
Band4	10MHz	QPSK	20350	1RB#24	22.94	23.00
Band4	10MHz	16QAM	20350	1RB#24	21.65	22.00
Band4	10MHz	QPSK	20350	1RB#49	23.00	24.00
Band4	10MHz	16QAM	20350	1RB#49	21.74	22.00
Band4	10MHz	QPSK	20350	25RB#0	22.01	23.00
Band4	10MHz	16QAM	20350	25RB#0	20.99	21.00
Band4	10MHz	QPSK	20350	25RB#12	21.96	22.00
Band4	10MHz	16QAM	20350	25RB#12	21.01	22.00
Band4	10MHz	QPSK	20350	25RB#25	21.93	22.00
Band4	10MHz	16QAM	20350	25RB#25	20.97	21.00
Band4	10MHz	QPSK	20350	50RB#0	21.96	22.00
Band4	10MHz	16QAM	20350	50RB#0	20.97	21.00
Band4	15MHz	QPSK	20025	1RB#0	22.97	23.00
Band4	15MHz	16QAM	20025	1RB#0	21.92	22.00
Band4	15MHz	QPSK	20025	1RB#38	22.96	23.00
Band4	15MHz	16QAM	20025	1RB#38	21.94	22.00
Band4	15MHz	QPSK	20025	1RB#74	23.04	24.00
Band4	15MHz	16QAM	20025	1RB#74	22.02	23.00
Band4	15MHz	QPSK	20025	38RB#0	21.92	22.00
Band4	15MHz	16QAM	20025	38RB#0	21.92	22.00
Band4	15MHz	QPSK	20025	38RB#18	21.92	22.00
Band4	15MHz	16QAM	20025	38RB#18	21.92	22.00
Band4	15MHz	QPSK	20025	38RB#37	21.93	22.00
Band4	15MHz	16QAM	20025	38RB#37	21.91	22.00
Band4	15MHz	QPSK	20025	75RB#0	21.92	22.00
Band4	15MHz	16QAM	20025	75RB#0	20.88	21.00
Band4	15MHz	QPSK	20175	1RB#0	22.99	23.00
Band4	15MHz	16QAM	20175	1RB#0	22.14	23.00
Band4	15MHz	QPSK	20175	1RB#38	23.03	24.00
Band4	15MHz	16QAM	20175	1RB#38	22.14	23.00
Band4	15MHz	QPSK	20175	1RB#74	22.99	23.00
Band4	15MHz	16QAM	20175	1RB#74	22.05	23.00
Band4	15MHz	QPSK	20175	38RB#0	22.05	23.00
Band4	15MHz	16QAM	20175	38RB#0	22.06	23.00
Band4	15MHz	QPSK	20175	38RB#18	22.08	23.00
Band4	15MHz	16QAM	20175	38RB#18	22.08	23.00

Band4	15MHz	QPSK	20175	38RB#37	22.07	23.00
Band4	15MHz	16QAM	20175	38RB#37	22.07	23.00
Band4	15MHz	QPSK	20175	75RB#0	22.07	23.00
Band4	15MHz	16QAM	20175	75RB#0	21.08	22.00
Band4	15MHz	QPSK	20325	1RB#0	23.10	24.00
Band4	15MHz	16QAM	20325	1RB#0	21.84	22.00
Band4	15MHz	QPSK	20325	1RB#38	23.03	24.00
Band4	15MHz	16QAM	20325	1RB#38	21.77	22.00
Band4	15MHz	QPSK	20325	1RB#74	23.02	24.00
Band4	15MHz	16QAM	20325	1RB#74	21.81	22.00
Band4	15MHz	QPSK	20325	38RB#0	21.98	22.00
Band4	15MHz	16QAM	20325	38RB#0	21.98	22.00
Band4	15MHz	QPSK	20325	38RB#18	21.98	22.00
Band4	15MHz	16QAM	20325	38RB#18	21.99	22.00
Band4	15MHz	QPSK	20325	38RB#37	21.99	22.00
Band4	15MHz	16QAM	20325	38RB#37	21.99	22.00
Band4	15MHz	QPSK	20325	75RB#0	21.98	22.00
Band4	15MHz	16QAM	20325	75RB#0	21.00	22.00
Band4	20MHz	QPSK	20050	1RB#0	23.13	24.00
Band4	20MHz	16QAM	20050	1RB#0	21.92	22.00
Band4	20MHz	QPSK	20050	1RB#49	23.07	24.00
Band4	20MHz	16QAM	20050	1RB#49	21.83	22.00
Band4	20MHz	QPSK	20050	1RB#99	23.04	24.00
Band4	20MHz	16QAM	20050	1RB#99	21.98	22.00
Band4	20MHz	QPSK	20050	50RB#0	21.92	22.00
Band4	20MHz	16QAM	20050	50RB#0	20.92	21.00
Band4	20MHz	QPSK	20050	50RB#25	21.93	22.00
Band4	20MHz	16QAM	20050	50RB#25	20.91	21.00
Band4	20MHz	QPSK	20050	50RB#50	21.98	22.00
Band4	20MHz	16QAM	20050	50RB#50	20.98	21.00
Band4	20MHz	QPSK	20050	100RB#0	21.96	22.00
Band4	20MHz	16QAM	20050	100RB#0	20.93	21.00
Band4	20MHz	QPSK	20175	1RB#0	23.01	24.00
Band4	20MHz	16QAM	20175	1RB#0	22.21	23.00
Band4	20MHz	QPSK	20175	1RB#49	23.13	24.00
Band4	20MHz	16QAM	20175	1RB#49	22.35	23.00
Band4	20MHz	QPSK	20175	1RB#99	23.08	24.00
Band4	20MHz	16QAM	20175	1RB#99	22.32	23.00
Band4	20MHz	QPSK	20175	50RB#0	22.04	23.00
Band4	20MHz	16QAM	20175	50RB#0	21.06	22.00
Band4	20MHz	QPSK	20175	50RB#25	22.06	23.00
Band4	20MHz	16QAM	20175	50RB#25	21.05	22.00
Band4	20MHz	QPSK	20175	50RB#50	22.13	23.00
Band4	20MHz	16QAM	20175	50RB#50	21.12	22.00
Band4	20MHz	QPSK	20175	100RB#0	22.09	23.00
Band4	20MHz	16QAM	20175	100RB#0	21.06	22.00
Band4	20MHz	QPSK	20300	1RB#0	23.02	24.00
Band4	20MHz	16QAM	20300	1RB#0	21.94	22.00
Band4	20MHz	QPSK	20300	1RB#49	22.96	23.00
Band4	20MHz	16QAM	20300	1RB#49	21.91	22.00
Band4	20MHz	QPSK	20300	1RB#99	22.97	23.00
Band4	20MHz	16QAM	20300	1RB#99	21.88	22.00
Band4	20MHz	QPSK	20300	50RB#0	22.10	23.00
Band4	20MHz	16QAM	20300	50RB#0	21.14	22.00
Band4	20MHz	QPSK	20300	50RB#25	22.09	23.00
Band4	20MHz	16QAM	20300	50RB#25	21.13	22.00
Band4	20MHz	QPSK	20300	50RB#50	21.96	22.00
Band4	20MHz	16QAM	20300	50RB#50	20.99	21.00
Band4	20MHz	QPSK	20300	100RB#0	21.99	22.00
Band4	20MHz	16QAM	20300	100RB#0	20.99	21.00

7.1.8. Conducted Power Measurement Results(LTE Band 5)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune Up (dBm)
Band5	1.4MHz	QPSK	20407	1RB#0	24.19	25.00
Band5	1.4MHz	16QAM	20407	1RB#0	23.14	24.00
Band5	1.4MHz	QPSK	20407	1RB#2	24.14	25.00
Band5	1.4MHz	16QAM	20407	1RB#2	23.12	24.00
Band5	1.4MHz	QPSK	20407	1RB#5	24.22	25.00
Band5	1.4MHz	16QAM	20407	1RB#5	23.17	24.00
Band5	1.4MHz	QPSK	20407	3RB#0	24.26	25.00
Band5	1.4MHz	16QAM	20407	3RB#0	23.17	24.00
Band5	1.4MHz	QPSK	20407	3RB#1	24.26	25.00
Band5	1.4MHz	16QAM	20407	3RB#1	23.22	24.00
Band5	1.4MHz	QPSK	20407	3RB#3	24.25	25.00
Band5	1.4MHz	16QAM	20407	3RB#3	23.14	24.00
Band5	1.4MHz	QPSK	20407	6RB#0	23.32	24.00
Band5	1.4MHz	16QAM	20407	6RB#0	22.37	23.00
Band5	1.4MHz	QPSK	20525	1RB#0	24.38	25.00
Band5	1.4MHz	16QAM	20525	1RB#0	23.17	24.00
Band5	1.4MHz	QPSK	20525	1RB#2	24.35	25.00
Band5	1.4MHz	16QAM	20525	1RB#2	23.25	24.00
Band5	1.4MHz	QPSK	20525	1RB#5	24.43	25.00
Band5	1.4MHz	16QAM	20525	1RB#5	23.28	24.00
Band5	1.4MHz	QPSK	20525	3RB#0	24.38	25.00
Band5	1.4MHz	16QAM	20525	3RB#0	23.15	24.00
Band5	1.4MHz	QPSK	20525	3RB#1	24.35	25.00
Band5	1.4MHz	16QAM	20525	3RB#1	23.18	24.00
Band5	1.4MHz	QPSK	20525	3RB#3	24.42	25.00
Band5	1.4MHz	16QAM	20525	3RB#3	23.18	24.00
Band5	1.4MHz	QPSK	20525	6RB#0	23.32	24.00
Band5	1.4MHz	16QAM	20525	6RB#0	22.18	23.00
Band5	1.4MHz	QPSK	20643	1RB#0	24.17	25.00
Band5	1.4MHz	16QAM	20643	1RB#0	22.97	23.00
Band5	1.4MHz	QPSK	20643	1RB#2	24.13	25.00
Band5	1.4MHz	16QAM	20643	1RB#2	22.96	23.00
Band5	1.4MHz	QPSK	20643	1RB#5	24.12	25.00
Band5	1.4MHz	16QAM	20643	1RB#5	22.92	23.00
Band5	1.4MHz	QPSK	20643	3RB#0	24.19	25.00
Band5	1.4MHz	16QAM	20643	3RB#0	23.02	24.00
Band5	1.4MHz	QPSK	20643	3RB#1	24.21	25.00
Band5	1.4MHz	16QAM	20643	3RB#1	23.01	24.00
Band5	1.4MHz	QPSK	20643	3RB#3	24.17	25.00
Band5	1.4MHz	16QAM	20643	3RB#3	22.99	23.00
Band5	1.4MHz	QPSK	20643	6RB#0	23.23	24.00
Band5	1.4MHz	16QAM	20643	6RB#0	22.15	23.00
Band5	3MHz	QPSK	20415	1RB#0	24.37	25.00
Band5	3MHz	16QAM	20415	1RB#0	23.34	24.00
Band5	3MHz	QPSK	20415	1RB#8	24.35	25.00
Band5	3MHz	16QAM	20415	1RB#8	23.37	24.00
Band5	3MHz	QPSK	20415	1RB#14	24.37	25.00
Band5	3MHz	16QAM	20415	1RB#14	23.33	24.00
Band5	3MHz	QPSK	20415	8RB#0	23.33	24.00
Band5	3MHz	16QAM	20415	8RB#0	22.37	23.00
Band5	3MHz	QPSK	20415	8RB#4	23.33	24.00
Band5	3MHz	16QAM	20415	8RB#4	22.37	23.00
Band5	3MHz	QPSK	20415	8RB#7	23.32	24.00
Band5	3MHz	16QAM	20415	8RB#7	22.32	23.00
Band5	3MHz	QPSK	20415	15RB#0	23.31	24.00
Band5	3MHz	16QAM	20415	15RB#0	22.33	23.00
Band5	3MHz	QPSK	20525	1RB#0	24.37	25.00
Band5	3MHz	16QAM	20525	1RB#0	23.23	24.00
Band5	3MHz	QPSK	20525	1RB#8	24.41	25.00
Band5	3MHz	16QAM	20525	1RB#8	23.23	24.00

Band5	3MHz	QPSK	20525	1RB#14	24.40	25.00
Band5	3MHz	16QAM	20525	1RB#14	23.21	24.00
Band5	3MHz	QPSK	20525	8RB#0	23.36	24.00
Band5	3MHz	16QAM	20525	8RB#0	22.37	23.00
Band5	3MHz	QPSK	20525	8RB#4	23.35	24.00
Band5	3MHz	16QAM	20525	8RB#4	22.35	23.00
Band5	3MHz	QPSK	20525	8RB#7	23.34	24.00
Band5	3MHz	16QAM	20525	8RB#7	22.36	23.00
Band5	3MHz	QPSK	20525	15RB#0	23.38	24.00
Band5	3MHz	16QAM	20525	15RB#0	22.28	23.00
Band5	3MHz	QPSK	20635	1RB#0	24.20	25.00
Band5	3MHz	16QAM	20635	1RB#0	22.98	23.00
Band5	3MHz	QPSK	20635	1RB#8	24.19	25.00
Band5	3MHz	16QAM	20635	1RB#8	22.98	23.00
Band5	3MHz	QPSK	20635	1RB#14	24.12	25.00
Band5	3MHz	16QAM	20635	1RB#14	22.92	23.00
Band5	3MHz	QPSK	20635	8RB#0	23.30	24.00
Band5	3MHz	16QAM	20635	8RB#0	22.30	23.00
Band5	3MHz	QPSK	20635	8RB#4	23.31	24.00
Band5	3MHz	16QAM	20635	8RB#4	22.31	23.00
Band5	3MHz	QPSK	20635	8RB#7	23.22	24.00
Band5	3MHz	16QAM	20635	8RB#7	22.23	23.00
Band5	3MHz	QPSK	20635	15RB#0	23.26	24.00
Band5	3MHz	16QAM	20635	15RB#0	22.17	23.00
Band5	5MHz	QPSK	20425	1RB#0	24.52	25.00
Band5	5MHz	16QAM	20425	1RB#0	23.37	24.00
Band5	5MHz	QPSK	20425	1RB#12	24.55	25.00
Band5	5MHz	16QAM	20425	1RB#12	23.31	24.00
Band5	5MHz	QPSK	20425	1RB#24	24.53	25.00
Band5	5MHz	16QAM	20425	1RB#24	23.41	24.00
Band5	5MHz	QPSK	20425	12RB#0	23.37	24.00
Band5	5MHz	16QAM	20425	12RB#0	22.38	23.00
Band5	5MHz	QPSK	20425	12RB#6	23.36	24.00
Band5	5MHz	16QAM	20425	12RB#6	22.40	23.00
Band5	5MHz	QPSK	20425	12RB#13	23.35	24.00
Band5	5MHz	16QAM	20425	12RB#13	22.37	23.00
Band5	5MHz	QPSK	20425	25RB#0	23.41	24.00
Band5	5MHz	16QAM	20425	25RB#0	22.39	23.00
Band5	5MHz	QPSK	20525	1RB#0	24.42	25.00
Band5	5MHz	16QAM	20525	1RB#0	23.46	24.00
Band5	5MHz	QPSK	20525	1RB#12	24.49	25.00
Band5	5MHz	16QAM	20525	1RB#12	23.50	24.00
Band5	5MHz	QPSK	20525	1RB#24	24.43	25.00
Band5	5MHz	16QAM	20525	1RB#24	23.50	24.00
Band5	5MHz	QPSK	20525	12RB#0	23.43	24.00
Band5	5MHz	16QAM	20525	12RB#0	22.49	23.00
Band5	5MHz	QPSK	20525	12RB#6	23.42	24.00
Band5	5MHz	16QAM	20525	12RB#6	22.49	23.00
Band5	5MHz	QPSK	20525	12RB#13	23.38	24.00
Band5	5MHz	16QAM	20525	12RB#13	22.45	23.00
Band5	5MHz	QPSK	20525	25RB#0	23.45	24.00
Band5	5MHz	16QAM	20525	25RB#0	22.41	23.00
Band5	5MHz	QPSK	20625	1RB#0	24.48	25.00
Band5	5MHz	16QAM	20625	1RB#0	23.30	24.00
Band5	5MHz	QPSK	20625	1RB#12	24.36	25.00
Band5	5MHz	16QAM	20625	1RB#12	23.23	24.00
Band5	5MHz	QPSK	20625	1RB#24	24.35	25.00
Band5	5MHz	16QAM	20625	1RB#24	23.17	24.00
Band5	5MHz	QPSK	20625	12RB#0	23.34	24.00
Band5	5MHz	16QAM	20625	12RB#0	22.37	23.00
Band5	5MHz	QPSK	20625	12RB#6	23.36	24.00
Band5	5MHz	16QAM	20625	12RB#6	22.37	23.00
Band5	5MHz	QPSK	20625	12RB#13	23.26	24.00
Band5	5MHz	16QAM	20625	12RB#13	22.29	23.00
Band5	5MHz	QPSK	20625	25RB#0	23.36	24.00

Band5	5MHz	16QAM	20625	25RB#0	22.36	23.00
Band5	10MHz	QPSK	20450	1RB#0	24.50	25.00
Band5	10MHz	16QAM	20450	1RB#0	23.50	24.00
Band5	10MHz	16QAM	20450	1RB#24	23.39	24.00
Band5	10MHz	QPSK	20450	1RB#49	24.43	25.00
Band5	10MHz	16QAM	20450	1RB#49	23.44	24.00
Band5	10MHz	QPSK	20450	25RB#0	23.39	24.00
Band5	10MHz	16QAM	20450	25RB#0	22.37	23.00
Band5	10MHz	QPSK	20450	25RB#12	23.39	24.00
Band5	10MHz	16QAM	20450	25RB#12	22.35	23.00
Band5	10MHz	QPSK	20450	25RB#25	23.45	24.00
Band5	10MHz	16QAM	20450	25RB#25	22.41	23.00
Band5	10MHz	QPSK	20450	50RB#0	23.41	24.00
Band5	10MHz	16QAM	20450	50RB#0	22.40	23.00
Band5	10MHz	QPSK	20525	1RB#0	24.47	25.00
Band5	10MHz	16QAM	20525	1RB#0	23.39	24.00
Band5	10MHz	QPSK	20525	1RB#24	24.45	25.00
Band5	10MHz	16QAM	20525	1RB#24	23.32	24.00
Band5	10MHz	16QAM	20525	1RB#49	23.29	24.00
Band5	10MHz	QPSK	20525	25RB#0	23.44	24.00
Band5	10MHz	16QAM	20525	25RB#0	22.42	23.00
Band5	10MHz	QPSK	20525	25RB#12	23.43	24.00
Band5	10MHz	16QAM	20525	25RB#12	22.42	23.00
Band5	10MHz	QPSK	20525	25RB#25	23.45	24.00
Band5	10MHz	16QAM	20525	25RB#25	22.45	23.00
Band5	10MHz	QPSK	20525	50RB#0	23.45	24.00
Band5	10MHz	QPSK	20450	1RB#24	24.37	25.00
Band5	10MHz	QPSK	20525	1RB#49	24.44	25.00
Band5	10MHz	16QAM	20525	50RB#0	22.45	23.00
Band5	10MHz	QPSK	20600	1RB#0	24.45	25.00
Band5	10MHz	16QAM	20600	1RB#0	23.24	24.00
Band5	10MHz	QPSK	20600	1RB#24	24.26	25.00
Band5	10MHz	16QAM	20600	1RB#24	23.06	24.00
Band5	10MHz	QPSK	20600	1RB#49	24.29	25.00
Band5	10MHz	16QAM	20600	1RB#49	23.08	24.00
Band5	10MHz	QPSK	20600	25RB#0	23.40	24.00
Band5	10MHz	16QAM	20600	25RB#0	22.43	23.00
Band5	10MHz	QPSK	20600	50RB#0	23.39	24.00
Band5	10MHz	QPSK	20600	25RB#12	23.41	24.00
Band5	10MHz	16QAM	20600	25RB#12	22.42	23.00
Band5	10MHz	QPSK	20600	25RB#25	23.34	24.00
Band5	10MHz	16QAM	20600	25RB#25	22.35	23.00
Band5	10MHz	16QAM	20600	50RB#0	22.38	23.00

7.1.9. Conducted Power Measurement Results(LTE Band 7)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune Up (dBm)
Band7	5MHz	QPSK	20775	1RB#0	22.29	23.00
Band7	5MHz	16QAM	20775	1RB#0	21.25	22.00
Band7	5MHz	QPSK	20775	1RB#12	22.46	23.00
Band7	5MHz	16QAM	20775	1RB#12	21.25	22.00
Band7	5MHz	QPSK	20775	1RB#24	22.49	23.00
Band7	5MHz	16QAM	20775	1RB#24	21.29	22.00
Band7	5MHz	QPSK	20775	12RB#0	21.29	22.00
Band7	5MHz	16QAM	20775	12RB#0	20.35	21.00
Band7	5MHz	QPSK	20775	12RB#6	21.30	22.00
Band7	5MHz	16QAM	20775	12RB#6	20.33	21.00
Band7	5MHz	QPSK	20775	12RB#13	21.32	22.00
Band7	5MHz	16QAM	20775	12RB#13	20.32	21.00
Band7	5MHz	QPSK	20775	25RB#0	21.33	22.00
Band7	5MHz	16QAM	20775	25RB#0	20.35	21.00
Band7	5MHz	QPSK	21100	1RB#0	22.28	23.00
Band7	5MHz	16QAM	21100	1RB#0	21.28	22.00
Band7	5MHz	QPSK	21100	1RB#12	22.30	23.00
Band7	5MHz	16QAM	21100	1RB#12	21.30	22.00
Band7	5MHz	QPSK	21100	1RB#24	22.37	23.00
Band7	5MHz	16QAM	21100	1RB#24	21.25	22.00
Band7	5MHz	QPSK	21100	12RB#0	21.23	22.00
Band7	5MHz	16QAM	21100	12RB#0	20.34	21.00
Band7	5MHz	QPSK	21100	12RB#6	21.25	22.00
Band7	5MHz	16QAM	21100	12RB#6	20.30	21.00
Band7	5MHz	QPSK	21100	12RB#13	21.21	22.00
Band7	5MHz	16QAM	21100	12RB#13	20.32	21.00
Band7	5MHz	QPSK	21100	25RB#0	21.28	22.00
Band7	5MHz	16QAM	21100	25RB#0	20.24	21.00
Band7	5MHz	QPSK	21425	1RB#0	22.62	23.00
Band7	5MHz	16QAM	21425	1RB#0	21.38	22.00
Band7	5MHz	QPSK	21425	1RB#12	22.54	23.00
Band7	5MHz	16QAM	21425	1RB#12	21.53	22.00
Band7	5MHz	QPSK	21425	1RB#24	22.64	23.00
Band7	5MHz	16QAM	21425	1RB#24	21.57	22.00
Band7	5MHz	QPSK	21425	12RB#0	21.44	22.00
Band7	5MHz	16QAM	21425	12RB#0	20.49	21.00
Band7	5MHz	QPSK	21425	12RB#6	21.41	22.00
Band7	5MHz	16QAM	21425	12RB#6	20.48	21.00
Band7	5MHz	QPSK	21425	12RB#13	21.41	22.00
Band7	5MHz	16QAM	21425	12RB#13	20.45	21.00
Band7	5MHz	QPSK	21425	25RB#0	21.49	22.00
Band7	5MHz	16QAM	21425	25RB#0	20.49	21.00
Band7	10MHz	QPSK	20800	1RB#0	20.34	21.00
Band7	10MHz	16QAM	20800	1RB#0	20.39	21.00
Band7	10MHz	QPSK	20800	1RB#24	20.47	21.00
Band7	10MHz	16QAM	20800	1RB#24	20.28	21.00
Band7	10MHz	QPSK	20800	1RB#49	20.40	21.00
Band7	10MHz	16QAM	20800	1RB#49	20.48	21.00
Band7	10MHz	QPSK	20800	25RB#0	20.39	21.00
Band7	10MHz	16QAM	20800	25RB#0	20.36	21.00
Band7	10MHz	QPSK	20800	25RB#12	20.37	21.00
Band7	10MHz	16QAM	20800	25RB#12	20.36	21.00
Band7	10MHz	QPSK	20800	25RB#25	20.37	21.00
Band7	10MHz	16QAM	20800	25RB#25	20.35	21.00
Band7	10MHz	QPSK	20800	50RB#0	20.35	21.00
Band7	10MHz	16QAM	20800	50RB#0	20.35	21.00
Band7	10MHz	QPSK	21100	1RB#0	22.25	23.00
Band7	10MHz	16QAM	21100	1RB#0	21.12	22.00
Band7	10MHz	QPSK	21100	1RB#24	22.25	23.00
Band7	10MHz	16QAM	21100	1RB#24	21.08	22.00
Band7	10MHz	QPSK	21100	1RB#49	22.17	23.00
Band7	10MHz	16QAM	21100	1RB#49	21.19	22.00

Band7	10MHz	QPSK	21100	25RB#0	21.33	22.00
Band7	10MHz	16QAM	21100	25RB#0	20.33	21.00
Band7	10MHz	QPSK	21100	25RB#12	21.30	22.00
Band7	10MHz	16QAM	21100	25RB#12	20.33	21.00
Band7	10MHz	QPSK	21100	25RB#25	21.29	22.00
Band7	10MHz	16QAM	21100	25RB#25	20.33	21.00
Band7	10MHz	QPSK	21100	50RB#0	21.32	22.00
Band7	10MHz	16QAM	21100	50RB#0	20.32	21.00
Band7	10MHz	QPSK	21400	1RB#0	22.25	23.00
Band7	10MHz	16QAM	21400	1RB#0	21.27	22.00
Band7	10MHz	QPSK	21400	1RB#24	22.50	23.00
Band7	10MHz	16QAM	21400	1RB#24	21.59	22.00
Band7	10MHz	QPSK	21400	1RB#49	22.38	23.00
Band7	10MHz	16QAM	21400	1RB#49	20.42	21.00
Band7	10MHz	QPSK	21400	25RB#0	20.40	21.00
Band7	10MHz	16QAM	21400	25RB#0	20.39	21.00
Band7	10MHz	QPSK	21400	25RB#12	20.41	21.00
Band7	10MHz	16QAM	21400	25RB#12	20.41	21.00
Band7	10MHz	QPSK	21400	25RB#25	20.49	21.00
Band7	10MHz	16QAM	21400	25RB#25	20.45	21.00
Band7	10MHz	QPSK	21400	50RB#0	20.43	21.00
Band7	10MHz	16QAM	21400	50RB#0	20.41	21.00
Band7	15MHz	QPSK	20825	1RB#0	20.42	21.00
Band7	15MHz	16QAM	20825	1RB#0	20.28	21.00
Band7	15MHz	QPSK	20825	1RB#38	20.39	21.00
Band7	15MHz	16QAM	20825	1RB#38	20.53	21.00
Band7	15MHz	QPSK	20825	1RB#74	20.54	21.00
Band7	15MHz	16QAM	20825	1RB#74	20.45	21.00
Band7	15MHz	QPSK	20825	38RB#0	20.40	21.00
Band7	15MHz	16QAM	20825	38RB#0	20.41	21.00
Band7	15MHz	QPSK	20825	38RB#18	20.41	21.00
Band7	15MHz	16QAM	20825	38RB#18	20.42	21.00
Band7	15MHz	QPSK	20825	38RB#37	20.40	21.00
Band7	15MHz	16QAM	20825	38RB#37	20.41	21.00
Band7	15MHz	QPSK	20825	75RB#0	20.40	21.00
Band7	15MHz	16QAM	20825	75RB#0	20.38	21.00
Band7	15MHz	QPSK	21100	1RB#0	20.28	21.00
Band7	15MHz	16QAM	21100	1RB#0	20.47	21.00
Band7	15MHz	QPSK	21100	1RB#38	20.25	21.00
Band7	15MHz	16QAM	21100	1RB#38	20.32	21.00
Band7	15MHz	QPSK	21100	1RB#74	20.17	21.00
Band7	15MHz	16QAM	21100	1RB#74	20.28	21.00
Band7	15MHz	QPSK	21100	38RB#0	20.33	21.00
Band7	15MHz	16QAM	21100	38RB#0	20.33	21.00
Band7	15MHz	QPSK	21100	38RB#18	20.32	21.00
Band7	15MHz	16QAM	21100	38RB#18	20.31	21.00
Band7	15MHz	QPSK	21100	38RB#37	20.32	21.00
Band7	15MHz	16QAM	21100	38RB#37	20.32	21.00
Band7	15MHz	QPSK	21100	75RB#0	20.31	21.00
Band7	15MHz	16QAM	21100	75RB#0	20.37	21.00
Band7	15MHz	QPSK	21375	1RB#0	20.23	21.00
Band7	15MHz	16QAM	21375	1RB#0	20.03	21.00
Band7	15MHz	QPSK	21375	1RB#38	20.30	21.00
Band7	15MHz	16QAM	21375	1RB#38	20.16	21.00
Band7	15MHz	QPSK	21375	1RB#74	20.43	21.00
Band7	15MHz	16QAM	21375	1RB#74	20.27	21.00
Band7	15MHz	QPSK	21375	38RB#0	20.32	21.00
Band7	15MHz	16QAM	21375	38RB#0	20.32	21.00
Band7	15MHz	QPSK	21375	38RB#18	20.32	21.00
Band7	15MHz	16QAM	21375	38RB#18	20.34	21.00
Band7	15MHz	QPSK	21375	38RB#37	20.36	21.00
Band7	15MHz	16QAM	21375	38RB#37	20.32	21.00
Band7	15MHz	QPSK	21375	75RB#0	20.32	21.00
Band7	15MHz	16QAM	21375	75RB#0	20.35	21.00
Band7	20MHz	QPSK	20850	1RB#0	22.35	23.00

Band7	20MHz	16QAM	20850	1RB#0	21.16	22.00
Band7	20MHz	QPSK	20850	1RB#49	22.47	23.00
Band7	20MHz	16QAM	20850	1RB#49	21.17	22.00
Band7	20MHz	QPSK	20850	1RB#99	22.52	23.00
Band7	20MHz	16QAM	20850	1RB#99	21.27	22.00
Band7	20MHz	QPSK	20850	50RB#0	21.42	22.00
Band7	20MHz	16QAM	20850	50RB#0	20.40	21.00
Band7	20MHz	QPSK	20850	50RB#25	21.42	22.00
Band7	20MHz	16QAM	20850	50RB#25	20.39	21.00
Band7	20MHz	QPSK	20850	50RB#50	21.39	22.00
Band7	20MHz	16QAM	20850	50RB#50	20.38	21.00
Band7	20MHz	QPSK	20850	100RB#0	21.38	22.00
Band7	20MHz	16QAM	20850	100RB#0	20.35	21.00
Band7	20MHz	QPSK	21100	1RB#0	22.31	23.00
Band7	20MHz	16QAM	21100	1RB#0	21.56	22.00
Band7	20MHz	QPSK	21100	1RB#49	22.33	23.00
Band7	20MHz	16QAM	21100	1RB#49	21.52	22.00
Band7	20MHz	QPSK	21100	1RB#99	22.22	23.00
Band7	20MHz	16QAM	21100	1RB#99	21.31	22.00
Band7	20MHz	QPSK	21100	50RB#0	21.39	22.00
Band7	20MHz	16QAM	21100	50RB#0	20.39	21.00
Band7	20MHz	QPSK	21100	50RB#25	21.38	22.00
Band7	20MHz	16QAM	21100	50RB#25	20.39	21.00
Band7	20MHz	QPSK	21100	50RB#50	21.33	22.00
Band7	20MHz	16QAM	21100	50RB#50	20.32	21.00
Band7	20MHz	QPSK	21100	100RB#0	21.33	22.00
Band7	20MHz	16QAM	21100	100RB#0	20.33	21.00
Band7	20MHz	QPSK	21350	1RB#0	22.06	23.00
Band7	20MHz	16QAM	21350	1RB#0	21.03	22.00
Band7	20MHz	QPSK	21350	1RB#49	22.21	23.00
Band7	20MHz	16QAM	21350	1RB#49	21.18	22.00
Band7	20MHz	QPSK	21350	1RB#99	22.37	23.00
Band7	20MHz	16QAM	21350	1RB#99	21.42	22.00
Band7	20MHz	QPSK	21350	50RB#0	21.31	22.00
Band7	20MHz	16QAM	21350	50RB#0	20.36	21.00
Band7	20MHz	QPSK	21350	50RB#25	21.32	22.00
Band7	20MHz	16QAM	21350	50RB#25	20.36	21.00
Band7	20MHz	QPSK	21350	50RB#50	21.39	22.00
Band7	20MHz	16QAM	21350	50RB#50	20.41	21.00
Band7	20MHz	QPSK	21350	100RB#0	21.33	22.00
Band7	20MHz	16QAM	21350	100RB#0	20.35	21.00

7.1.10. Conducted Power Measurement Results(LTE Band 12)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune Up (dBm)
Band12	1.4MHz	QPSK	23017	1RB#0	24.50	25.00
Band12	1.4MHz	16QAM	23017	1RB#0	23.36	24.00
Band12	1.4MHz	QPSK	23017	1RB#2	24.49	25.00
Band12	1.4MHz	16QAM	23017	1RB#2	23.34	24.00
Band12	1.4MHz	QPSK	23017	1RB#5	24.58	25.00
Band12	1.4MHz	16QAM	23017	1RB#5	23.44	24.00
Band12	1.4MHz	QPSK	23017	3RB#0	24.56	25.00
Band12	1.4MHz	16QAM	23017	3RB#0	23.30	24.00
Band12	1.4MHz	QPSK	23017	3RB#1	24.51	25.00
Band12	1.4MHz	16QAM	23017	3RB#1	23.31	24.00
Band12	1.4MHz	QPSK	23017	3RB#3	24.55	25.00
Band12	1.4MHz	16QAM	23017	3RB#3	23.33	24.00
Band12	1.4MHz	QPSK	23017	6RB#0	23.50	24.00
Band12	1.4MHz	16QAM	23017	6RB#0	22.35	23.00
Band12	1.4MHz	QPSK	23095	1RB#0	24.47	25.00
Band12	1.4MHz	16QAM	23095	1RB#0	23.26	24.00
Band12	1.4MHz	QPSK	23095	1RB#2	24.45	25.00
Band12	1.4MHz	16QAM	23095	1RB#2	23.22	24.00
Band12	1.4MHz	QPSK	23095	1RB#5	24.47	25.00
Band12	1.4MHz	16QAM	23095	1RB#5	23.26	24.00
Band12	1.4MHz	QPSK	23095	3RB#0	24.48	25.00
Band12	1.4MHz	16QAM	23095	3RB#0	23.31	24.00
Band12	1.4MHz	QPSK	23095	3RB#1	24.48	25.00
Band12	1.4MHz	16QAM	23095	3RB#1	23.30	24.00
Band12	1.4MHz	QPSK	23095	3RB#3	24.47	25.00
Band12	1.4MHz	16QAM	23095	3RB#3	23.28	24.00
Band12	1.4MHz	QPSK	23095	6RB#0	23.49	24.00
Band12	1.4MHz	16QAM	23095	6RB#0	22.43	23.00
Band12	1.4MHz	QPSK	23173	1RB#0	24.38	25.00
Band12	1.4MHz	16QAM	23173	1RB#0	23.34	24.00
Band12	1.4MHz	QPSK	23173	1RB#2	24.33	25.00
Band12	1.4MHz	16QAM	23173	1RB#2	23.35	24.00
Band12	1.4MHz	QPSK	23173	1RB#5	24.35	25.00
Band12	1.4MHz	16QAM	23173	1RB#5	23.29	24.00
Band12	1.4MHz	QPSK	23173	3RB#0	24.38	25.00
Band12	1.4MHz	16QAM	23173	3RB#0	23.24	24.00
Band12	1.4MHz	QPSK	23173	3RB#1	24.36	25.00
Band12	1.4MHz	16QAM	23173	3RB#1	23.24	24.00
Band12	1.4MHz	QPSK	23173	3RB#3	24.32	25.00
Band12	1.4MHz	16QAM	23173	3RB#3	23.19	24.00
Band12	1.4MHz	QPSK	23173	6RB#0	23.39	24.00
Band12	1.4MHz	16QAM	23173	6RB#0	22.41	23.00
Band12	3MHz	QPSK	23025	1RB#0	24.52	25.00
Band12	3MHz	16QAM	23025	1RB#0	23.49	24.00
Band12	3MHz	QPSK	23025	1RB#8	24.50	25.00
Band12	3MHz	16QAM	23025	1RB#8	23.51	24.00
Band12	3MHz	QPSK	23025	1RB#14	24.47	25.00
Band12	3MHz	16QAM	23025	1RB#14	23.49	24.00
Band12	3MHz	QPSK	23025	8RB#0	23.49	24.00
Band12	3MHz	16QAM	23025	8RB#0	22.51	23.00
Band12	3MHz	QPSK	23025	8RB#4	23.49	24.00
Band12	3MHz	16QAM	23025	8RB#4	22.50	23.00
Band12	3MHz	QPSK	23025	8RB#7	23.48	24.00
Band12	3MHz	16QAM	23025	8RB#7	22.49	23.00
Band12	3MHz	QPSK	23025	15RB#0	23.48	24.00
Band12	3MHz	16QAM	23025	15RB#0	22.50	23.00
Band12	3MHz	QPSK	23095	1RB#0	24.51	25.00
Band12	3MHz	16QAM	23095	1RB#0	23.42	24.00
Band12	3MHz	QPSK	23095	1RB#8	24.52	25.00
Band12	3MHz	16QAM	23095	1RB#8	23.34	24.00
Band12	3MHz	QPSK	23095	1RB#14	24.51	25.00
Band12	3MHz	16QAM	23095	1RB#14	23.33	24.00

Band12	3MHz	QPSK	23095	8RB#0	23.48	24.00
Band12	3MHz	16QAM	23095	8RB#0	22.48	23.00
Band12	3MHz	QPSK	23095	8RB#4	23.49	24.00
Band12	3MHz	16QAM	23095	8RB#4	22.47	23.00
Band12	3MHz	QPSK	23095	8RB#7	23.44	24.00
Band12	3MHz	16QAM	23095	8RB#7	22.46	23.00
Band12	3MHz	QPSK	23095	15RB#0	23.50	24.00
Band12	3MHz	16QAM	23095	15RB#0	22.37	23.00
Band12	3MHz	QPSK	23165	1RB#0	24.41	25.00
Band12	3MHz	16QAM	23165	1RB#0	23.21	24.00
Band12	3MHz	QPSK	23165	1RB#8	24.40	25.00
Band12	3MHz	16QAM	23165	1RB#8	23.18	24.00
Band12	3MHz	QPSK	23165	1RB#14	24.35	25.00
Band12	3MHz	16QAM	23165	1RB#14	23.18	24.00
Band12	3MHz	QPSK	23165	8RB#0	23.47	24.00
Band12	3MHz	16QAM	23165	8RB#0	22.43	23.00
Band12	3MHz	QPSK	23165	8RB#4	23.47	24.00
Band12	3MHz	16QAM	23165	8RB#4	22.43	23.00
Band12	3MHz	QPSK	23165	8RB#7	23.44	24.00
Band12	3MHz	16QAM	23165	8RB#7	22.40	23.00
Band12	3MHz	QPSK	23165	15RB#0	23.43	24.00
Band12	3MHz	16QAM	23165	15RB#0	22.33	23.00
Band12	5MHz	QPSK	23035	1RB#0	24.72	25.00
Band12	5MHz	16QAM	23035	1RB#0	23.57	24.00
Band12	5MHz	QPSK	23035	1RB#12	24.63	25.00
Band12	5MHz	16QAM	23035	1RB#12	23.45	24.00
Band12	5MHz	QPSK	23035	1RB#24	24.58	25.00
Band12	5MHz	16QAM	23035	1RB#24	23.48	24.00
Band12	5MHz	QPSK	23035	12RB#0	23.55	24.00
Band12	5MHz	16QAM	23035	12RB#0	22.52	23.00
Band12	5MHz	QPSK	23035	12RB#6	23.53	24.00
Band12	5MHz	16QAM	23035	12RB#6	22.51	23.00
Band12	5MHz	QPSK	23035	12RB#13	23.47	24.00
Band12	5MHz	16QAM	23035	12RB#13	22.46	23.00
Band12	5MHz	QPSK	23035	25RB#0	23.52	24.00
Band12	5MHz	16QAM	23035	25RB#0	22.52	23.00
Band12	5MHz	QPSK	23095	1RB#0	24.65	25.00
Band12	5MHz	16QAM	23095	1RB#0	23.64	24.00
Band12	5MHz	QPSK	23095	1RB#12	24.62	25.00
Band12	5MHz	16QAM	23095	1RB#12	23.58	24.00
Band12	5MHz	QPSK	23095	1RB#24	24.62	25.00
Band12	5MHz	16QAM	23095	1RB#24	23.59	24.00
Band12	5MHz	QPSK	23095	12RB#0	23.54	24.00
Band12	5MHz	16QAM	23095	12RB#0	22.61	23.00
Band12	5MHz	QPSK	23095	12RB#6	23.53	24.00
Band12	5MHz	16QAM	23095	12RB#6	22.61	23.00
Band12	5MHz	QPSK	23095	12RB#13	23.50	24.00
Band12	5MHz	16QAM	23095	12RB#13	22.57	23.00
Band12	5MHz	QPSK	23095	25RB#0	23.55	24.00
Band12	5MHz	16QAM	23095	25RB#0	22.50	23.00
Band12	5MHz	QPSK	23155	1RB#0	24.57	25.00
Band12	5MHz	16QAM	23155	1RB#0	23.44	24.00
Band12	5MHz	QPSK	23155	1RB#12	24.59	25.00
Band12	5MHz	16QAM	23155	1RB#12	23.40	24.00
Band12	5MHz	QPSK	23155	1RB#24	24.53	25.00
Band12	5MHz	16QAM	23155	1RB#24	23.39	24.00
Band12	5MHz	QPSK	23155	12RB#0	23.51	24.00
Band12	5MHz	16QAM	23155	12RB#0	22.52	23.00
Band12	5MHz	QPSK	23155	12RB#6	23.52	24.00
Band12	5MHz	16QAM	23155	12RB#6	22.53	23.00
Band12	5MHz	QPSK	23155	12RB#13	23.45	24.00
Band12	5MHz	16QAM	23155	12RB#13	22.47	23.00
Band12	5MHz	QPSK	23155	25RB#0	23.53	24.00
Band12	5MHz	16QAM	23155	25RB#0	22.54	23.00
Band12	10MHz	QPSK	23060	1RB#0	24.60	25.00

Band12	10MHz	16QAM	23060	1RB#0	23.57	24.00
Band12	10MHz	QPSK	23060	1RB#24	24.44	25.00
Band12	10MHz	16QAM	23060	1RB#24	23.41	24.00
Band12	10MHz	QPSK	23060	1RB#49	24.57	25.00
Band12	10MHz	16QAM	23060	1RB#49	23.59	24.00
Band12	10MHz	QPSK	23060	25RB#0	23.51	24.00
Band12	10MHz	16QAM	23060	25RB#0	22.46	23.00
Band12	10MHz	QPSK	23060	25RB#12	23.50	24.00
Band12	10MHz	16QAM	23060	25RB#12	22.46	23.00
Band12	10MHz	QPSK	23060	25RB#25	23.54	24.00
Band12	10MHz	16QAM	23060	25RB#25	22.50	23.00
Band12	10MHz	QPSK	23060	50RB#0	23.51	24.00
Band12	10MHz	16QAM	23060	50RB#0	22.49	23.00
Band12	10MHz	QPSK	23095	1RB#0	24.55	25.00
Band12	10MHz	16QAM	23095	1RB#0	23.39	24.00
Band12	10MHz	QPSK	23095	1RB#24	24.51	25.00
Band12	10MHz	16QAM	23095	1RB#24	23.35	24.00
Band12	10MHz	QPSK	23095	1RB#49	24.53	25.00
Band12	10MHz	16QAM	23095	1RB#49	23.39	24.00
Band12	10MHz	QPSK	23095	25RB#0	23.51	24.00
Band12	10MHz	16QAM	23095	25RB#0	22.52	23.00
Band12	10MHz	QPSK	23095	25RB#12	23.51	24.00
Band12	10MHz	16QAM	23095	25RB#12	22.51	23.00
Band12	10MHz	QPSK	23095	25RB#25	23.51	24.00
Band12	10MHz	16QAM	23095	25RB#25	22.52	23.00
Band12	10MHz	QPSK	23095	50RB#0	23.52	24.00
Band12	10MHz	16QAM	23095	50RB#0	22.52	23.00
Band12	10MHz	QPSK	23130	1RB#0	24.50	25.00
Band12	10MHz	16QAM	23130	1RB#0	23.32	24.00
Band12	10MHz	QPSK	23130	1RB#24	24.42	25.00
Band12	10MHz	16QAM	23130	1RB#24	23.23	24.00
Band12	10MHz	QPSK	23130	1RB#49	24.42	25.00
Band12	10MHz	16QAM	23130	1RB#49	23.26	24.00
Band12	10MHz	QPSK	23130	25RB#0	23.50	24.00
Band12	10MHz	16QAM	23130	25RB#0	22.51	23.00
Band12	10MHz	QPSK	23130	25RB#12	23.49	24.00
Band12	10MHz	16QAM	23130	25RB#12	22.50	23.00
Band12	10MHz	QPSK	23130	25RB#25	23.43	24.00
Band12	10MHz	16QAM	23130	25RB#25	22.46	23.00
Band12	10MHz	QPSK	23130	50RB#0	23.48	24.00
Band12	10MHz	16QAM	23130	50RB#0	22.48	23.00

7.1.11. Conducted Power Measurement Results(LTE Band 13)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune Up (dBm)
Band13	5MHz	QPSK	23205	1RB#0	24.12	25.00
Band13	5MHz	16QAM	23205	1RB#0	23.20	24.00
Band13	5MHz	QPSK	23205	1RB#12	24.26	25.00
Band13	5MHz	16QAM	23205	1RB#12	23.26	24.00
Band13	5MHz	QPSK	23205	1RB#24	24.28	25.00
Band13	5MHz	16QAM	23205	1RB#24	23.35	24.00
Band13	5MHz	QPSK	23205	12RB#0	23.15	24.00
Band13	5MHz	16QAM	23205	12RB#0	22.22	23.00
Band13	5MHz	QPSK	23205	12RB#6	23.14	24.00
Band13	5MHz	16QAM	23205	12RB#6	22.22	23.00
Band13	5MHz	QPSK	23205	12RB#13	23.22	24.00
Band13	5MHz	16QAM	23205	12RB#13	22.30	23.00
Band13	5MHz	QPSK	23205	25RB#0	23.22	24.00
Band13	5MHz	16QAM	23205	25RB#0	22.18	23.00
Band13	5MHz	QPSK	23230	1RB#0	24.30	25.00
Band13	5MHz	16QAM	23230	1RB#0	23.17	24.00
Band13	5MHz	QPSK	23230	1RB#12	24.30	25.00
Band13	5MHz	16QAM	23230	1RB#12	23.13	24.00
Band13	5MHz	QPSK	23230	1RB#24	24.32	25.00
Band13	5MHz	16QAM	23230	1RB#24	23.20	24.00
Band13	5MHz	QPSK	23230	12RB#0	23.24	24.00
Band13	5MHz	16QAM	23230	12RB#0	22.26	23.00
Band13	5MHz	QPSK	23230	12RB#6	23.24	24.00
Band13	5MHz	16QAM	23230	12RB#6	22.26	23.00
Band13	5MHz	QPSK	23230	12RB#13	23.23	24.00
Band13	5MHz	16QAM	23230	12RB#13	22.24	23.00
Band13	5MHz	QPSK	23230	25RB#0	23.26	24.00
Band13	5MHz	16QAM	23230	25RB#0	22.27	23.00
Band13	5MHz	QPSK	23255	1RB#0	24.47	25.00
Band13	5MHz	16QAM	23255	1RB#0	23.27	24.00
Band13	5MHz	QPSK	23255	1RB#12	24.44	25.00
Band13	5MHz	16QAM	23255	1RB#12	23.30	24.00
Band13	5MHz	QPSK	23255	1RB#24	24.43	25.00
Band13	5MHz	16QAM	23255	1RB#24	23.30	24.00
Band13	5MHz	QPSK	23255	12RB#0	23.31	24.00
Band13	5MHz	16QAM	23255	12RB#0	22.31	23.00
Band13	5MHz	QPSK	23255	12RB#6	23.32	24.00
Band13	5MHz	16QAM	23255	12RB#6	22.31	23.00
Band13	5MHz	QPSK	23255	12RB#13	23.30	24.00
Band13	5MHz	16QAM	23255	12RB#13	22.30	23.00
Band13	5MHz	QPSK	23255	25RB#0	23.34	24.00
Band13	5MHz	16QAM	23255	25RB#0	22.32	23.00
Band13	10MHz	QPSK	23230	1RB#0	24.15	25.00
Band13	10MHz	16QAM	23230	1RB#0	23.15	24.00
Band13	10MHz	QPSK	23230	1RB#24	24.19	25.00
Band13	10MHz	16QAM	23230	1RB#24	23.19	24.00
Band13	10MHz	QPSK	23230	1RB#49	24.29	25.00
Band13	10MHz	16QAM	23230	1RB#49	23.43	24.00
Band13	10MHz	QPSK	23230	25RB#0	23.19	24.00
Band13	10MHz	16QAM	23230	25RB#0	22.14	23.00
Band13	10MHz	QPSK	23230	25RB#12	23.19	24.00
Band13	10MHz	16QAM	23230	25RB#12	22.13	23.00
Band13	10MHz	QPSK	23230	25RB#25	23.22	24.00
Band13	10MHz	16QAM	23230	25RB#25	22.19	23.00
Band13	10MHz	QPSK	23230	50RB#0	23.21	24.00
Band13	10MHz	16QAM	23230	50RB#0	22.17	23.00

7.1.12. Conducted Power Measurement Results(LTE Band 17)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune Up (dBm)
Band17	5MHz	QPSK	23755	1RB#0	24.62	25.00
Band17	5MHz	16QAM	23755	1RB#0	23.47	24.00
Band17	5MHz	QPSK	23755	1RB#12	24.63	25.00
Band17	5MHz	16QAM	23755	1RB#12	23.44	24.00
Band17	5MHz	QPSK	23755	1RB#24	24.70	25.00
Band17	5MHz	16QAM	23755	1RB#24	23.53	24.00
Band17	5MHz	QPSK	23755	12RB#0	23.48	24.00
Band17	5MHz	16QAM	23755	12RB#0	22.46	23.00
Band17	5MHz	QPSK	23755	12RB#6	23.48	24.00
Band17	5MHz	16QAM	23755	12RB#6	22.46	23.00
Band17	5MHz	QPSK	23755	12RB#13	23.48	24.00
Band17	5MHz	16QAM	23755	12RB#13	22.46	23.00
Band17	5MHz	QPSK	23755	25RB#0	23.53	24.00
Band17	5MHz	16QAM	23755	25RB#0	22.53	23.00
Band17	5MHz	QPSK	23790	1RB#0	24.47	25.00
Band17	5MHz	16QAM	23790	1RB#0	23.53	24.00
Band17	5MHz	QPSK	23790	1RB#12	24.57	25.00
Band17	5MHz	16QAM	23790	1RB#12	23.56	24.00
Band17	5MHz	QPSK	23790	1RB#24	24.53	25.00
Band17	5MHz	16QAM	23790	1RB#24	23.53	24.00
Band17	5MHz	QPSK	23790	12RB#0	23.50	24.00
Band17	5MHz	16QAM	23790	12RB#0	22.57	23.00
Band17	5MHz	QPSK	23790	12RB#6	23.50	24.00
Band17	5MHz	16QAM	23790	12RB#6	22.58	23.00
Band17	5MHz	QPSK	23790	12RB#13	23.43	24.00
Band17	5MHz	16QAM	23790	12RB#13	22.51	23.00
Band17	5MHz	QPSK	23790	25RB#0	23.53	24.00
Band17	5MHz	16QAM	23790	25RB#0	22.47	23.00
Band17	5MHz	QPSK	23825	1RB#0	24.49	25.00
Band17	5MHz	16QAM	23825	1RB#0	23.34	24.00
Band17	5MHz	QPSK	23825	1RB#12	24.57	25.00
Band17	5MHz	16QAM	23825	1RB#12	23.35	24.00
Band17	5MHz	QPSK	23825	1RB#24	24.58	25.00
Band17	5MHz	16QAM	23825	1RB#24	23.38	24.00
Band17	5MHz	QPSK	23825	12RB#0	23.49	24.00
Band17	5MHz	16QAM	23825	12RB#0	22.51	23.00
Band17	5MHz	QPSK	23825	12RB#6	23.48	24.00
Band17	5MHz	16QAM	23825	12RB#6	22.49	23.00
Band17	5MHz	QPSK	23825	12RB#13	23.45	24.00
Band17	5MHz	16QAM	23825	12RB#13	22.49	23.00
Band17	5MHz	QPSK	23825	25RB#0	23.50	24.00
Band17	5MHz	16QAM	23825	25RB#0	22.50	23.00
Band17	10MHz	QPSK	23780	1RB#0	24.49	25.00
Band17	10MHz	16QAM	23780	1RB#0	23.47	24.00
Band17	10MHz	QPSK	23780	1RB#24	24.51	25.00
Band17	10MHz	16QAM	23780	1RB#24	23.53	24.00
Band17	10MHz	QPSK	23780	1RB#49	24.41	25.00
Band17	10MHz	16QAM	23780	1RB#49	23.41	24.00
Band17	10MHz	QPSK	23780	25RB#0	23.49	24.00
Band17	10MHz	16QAM	23780	25RB#0	22.45	23.00
Band17	10MHz	QPSK	23780	25RB#12	23.50	24.00
Band17	10MHz	16QAM	23780	25RB#12	22.46	23.00
Band17	10MHz	QPSK	23780	25RB#25	23.47	24.00
Band17	10MHz	16QAM	23780	25RB#25	22.40	23.00
Band17	10MHz	QPSK	23780	50RB#0	23.45	24.00
Band17	10MHz	16QAM	23780	50RB#0	22.44	23.00
Band17	10MHz	QPSK	23790	1RB#0	24.48	25.00
Band17	10MHz	16QAM	23790	1RB#0	23.34	24.00
Band17	10MHz	QPSK	23790	1RB#24	24.47	25.00

Band17	10MHz	16QAM	23790	1RB#24	23.33	24.00
Band17	10MHz	QPSK	23790	1RB#49	24.49	25.00
Band17	10MHz	16QAM	23790	1RB#49	23.34	24.00
Band17	10MHz	QPSK	23790	25RB#0	23.47	24.00
Band17	10MHz	16QAM	23790	25RB#0	22.47	23.00
Band17	10MHz	QPSK	23790	25RB#12	23.48	24.00
Band17	10MHz	16QAM	23790	25RB#12	22.45	23.00
Band17	10MHz	QPSK	23790	25RB#25	23.42	24.00
Band17	10MHz	16QAM	23790	25RB#25	22.42	23.00
Band17	10MHz	QPSK	23790	50RB#0	23.43	24.00
Band17	10MHz	16QAM	23790	50RB#0	22.43	23.00
Band17	10MHz	QPSK	23800	1RB#0	24.54	25.00
Band17	10MHz	16QAM	23800	1RB#0	23.35	24.00
Band17	10MHz	QPSK	23800	1RB#24	24.37	25.00
Band17	10MHz	16QAM	23800	1RB#24	23.17	24.00
Band17	10MHz	QPSK	23800	1RB#49	24.43	25.00
Band17	10MHz	16QAM	23800	1RB#49	23.23	24.00
Band17	10MHz	QPSK	23800	25RB#0	23.48	24.00
Band17	10MHz	16QAM	23800	25RB#0	22.48	23.00
Band17	10MHz	QPSK	23800	25RB#12	23.50	24.00
Band17	10MHz	16QAM	23800	25RB#12	22.48	23.00
Band17	10MHz	QPSK	23800	25RB#25	23.43	24.00
Band17	10MHz	16QAM	23800	25RB#25	22.40	23.00
Band17	10MHz	QPSK	23800	50RB#0	23.44	24.00
Band17	10MHz	16QAM	23800	50RB#0	22.43	23.00

7.1.13. Conducted Power Measurement Results(LTE Band 25)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune Up(dBm)
Band25	1.4MHz	QPSK	26047	1RB#0	22.71	23.00
Band25	1.4MHz	16QAM	26047	1RB#0	21.68	22.00
Band25	1.4MHz	QPSK	26047	1RB#2	22.71	23.00
Band25	1.4MHz	16QAM	26047	1RB#2	21.72	22.00
Band25	1.4MHz	QPSK	26047	1RB#5	22.81	23.00
Band25	1.4MHz	16QAM	26047	1RB#5	21.72	22.00
Band25	1.4MHz	QPSK	26047	3RB#0	22.82	23.00
Band25	1.4MHz	16QAM	26047	3RB#0	21.60	22.00
Band25	1.4MHz	QPSK	26047	3RB#1	22.80	23.00
Band25	1.4MHz	16QAM	26047	3RB#1	21.60	22.00
Band25	1.4MHz	QPSK	26047	3RB#3	22.77	23.00
Band25	1.4MHz	16QAM	26047	3RB#3	21.64	22.00
Band25	1.4MHz	QPSK	26047	6RB#0	21.87	22.00
Band25	1.4MHz	16QAM	26047	6RB#0	20.87	21.00
Band25	1.4MHz	QPSK	26365	1RB#0	22.88	23.00
Band25	1.4MHz	16QAM	26365	1RB#0	21.82	22.00
Band25	1.4MHz	QPSK	26365	1RB#2	22.90	23.00
Band25	1.4MHz	16QAM	26365	1RB#2	21.89	22.00
Band25	1.4MHz	QPSK	26365	1RB#5	22.94	23.00
Band25	1.4MHz	16QAM	26365	1RB#5	21.84	22.00
Band25	1.4MHz	QPSK	26365	3RB#0	22.90	23.00
Band25	1.4MHz	16QAM	26365	3RB#0	21.71	22.00
Band25	1.4MHz	QPSK	26365	3RB#1	22.91	23.00
Band25	1.4MHz	16QAM	26365	3RB#1	21.77	22.00
Band25	1.4MHz	QPSK	26365	3RB#3	22.88	23.00
Band25	1.4MHz	16QAM	26365	3RB#3	21.76	22.00
Band25	1.4MHz	QPSK	26365	6RB#0	21.94	22.00
Band25	1.4MHz	16QAM	26365	6RB#0	20.95	21.00
Band25	1.4MHz	QPSK	26683	1RB#0	23.18	24.00
Band25	1.4MHz	16QAM	26683	1RB#0	22.04	23.00
Band25	1.4MHz	QPSK	26683	1RB#2	23.14	24.00
Band25	1.4MHz	16QAM	26683	1RB#2	22.04	23.00
Band25	1.4MHz	QPSK	26683	1RB#5	23.21	24.00
Band25	1.4MHz	16QAM	26683	1RB#5	22.10	23.00
Band25	1.4MHz	QPSK	26683	3RB#0	23.33	24.00
Band25	1.4MHz	16QAM	26683	3RB#0	22.09	23.00
Band25	1.4MHz	QPSK	26683	3RB#1	23.31	24.00
Band25	1.4MHz	16QAM	26683	3RB#1	22.12	23.00
Band25	1.4MHz	QPSK	26683	3RB#3	23.32	24.00
Band25	1.4MHz	16QAM	26683	3RB#3	22.11	23.00
Band25	1.4MHz	QPSK	26683	6RB#0	22.19	23.00
Band25	1.4MHz	16QAM	26683	6RB#0	21.04	22.00
Band25	3MHz	QPSK	26055	1RB#0	23.08	24.00
Band25	3MHz	16QAM	26055	1RB#0	22.01	23.00
Band25	3MHz	QPSK	26055	1RB#8	23.05	24.00
Band25	3MHz	16QAM	26055	1RB#8	22.00	23.00
Band25	3MHz	QPSK	26055	1RB#14	23.04	24.00
Band25	3MHz	16QAM	26055	1RB#14	22.06	23.00
Band25	3MHz	QPSK	26055	8RB#0	22.05	23.00
Band25	3MHz	16QAM	26055	8RB#0	21.05	22.00
Band25	3MHz	QPSK	26055	8RB#4	22.05	23.00
Band25	3MHz	16QAM	26055	8RB#4	21.04	22.00
Band25	3MHz	QPSK	26055	8RB#7	22.07	23.00
Band25	3MHz	16QAM	26055	8RB#7	21.03	22.00
Band25	3MHz	QPSK	26055	15RB#0	22.03	23.00
Band25	3MHz	16QAM	26055	15RB#0	21.07	22.00
Band25	3MHz	QPSK	26365	1RB#0	23.04	24.00
Band25	3MHz	16QAM	26365	1RB#0	22.01	23.00
Band25	3MHz	QPSK	26365	1RB#8	23.07	24.00
Band25	3MHz	16QAM	26365	1RB#8	22.08	23.00

Band25	3MHz	QPSK	26365	1RB#14	23.16	24.00
Band25	3MHz	16QAM	26365	1RB#14	22.03	23.00
Band25	3MHz	QPSK	26365	8RB#0	22.11	23.00
Band25	3MHz	16QAM	26365	8RB#0	21.16	22.00
Band25	3MHz	QPSK	26365	8RB#4	22.11	23.00
Band25	3MHz	16QAM	26365	8RB#4	21.12	22.00
Band25	3MHz	QPSK	26365	8RB#7	22.07	23.00
Band25	3MHz	16QAM	26365	8RB#7	21.11	22.00
Band25	3MHz	QPSK	26365	15RB#0	22.07	23.00
Band25	3MHz	16QAM	26365	15RB#0	21.08	22.00
Band25	3MHz	QPSK	26675	1RB#0	23.38	24.00
Band25	3MHz	16QAM	26675	1RB#0	22.40	23.00
Band25	3MHz	QPSK	26675	1RB#8	23.30	24.00
Band25	3MHz	16QAM	26675	1RB#8	22.21	23.00
Band25	3MHz	QPSK	26675	1RB#14	23.35	24.00
Band25	3MHz	16QAM	26675	1RB#14	22.42	23.00
Band25	3MHz	QPSK	26675	8RB#0	22.38	23.00
Band25	3MHz	16QAM	26675	8RB#0	21.39	22.00
Band25	3MHz	QPSK	26675	8RB#4	22.37	23.00
Band25	3MHz	16QAM	26675	8RB#4	21.37	22.00
Band25	3MHz	QPSK	26675	8RB#7	22.21	23.00
Band25	3MHz	16QAM	26675	8RB#7	21.25	22.00
Band25	3MHz	QPSK	26675	15RB#0	22.35	23.00
Band25	3MHz	16QAM	26675	15RB#0	21.26	22.00
Band25	5MHz	QPSK	26065	1RB#0	23.04	24.00
Band25	5MHz	16QAM	26065	1RB#0	21.94	22.00
Band25	5MHz	QPSK	26065	1RB#12	23.16	24.00
Band25	5MHz	16QAM	26065	1RB#12	21.93	22.00
Band25	5MHz	QPSK	26065	1RB#24	23.22	24.00
Band25	5MHz	16QAM	26065	1RB#24	21.98	22.00
Band25	5MHz	QPSK	26065	12RB#0	21.98	22.00
Band25	5MHz	16QAM	26065	12RB#0	21.00	22.00
Band25	5MHz	QPSK	26065	12RB#6	21.98	22.00
Band25	5MHz	16QAM	26065	12RB#6	21.00	22.00
Band25	5MHz	QPSK	26065	12RB#13	22.02	23.00
Band25	5MHz	16QAM	26065	12RB#13	21.01	22.00
Band25	5MHz	QPSK	26065	25RB#0	22.01	23.00
Band25	5MHz	16QAM	26065	25RB#0	21.00	22.00
Band25	5MHz	QPSK	26365	1RB#0	23.13	24.00
Band25	5MHz	16QAM	26365	1RB#0	22.01	23.00
Band25	5MHz	QPSK	26365	1RB#12	23.17	24.00
Band25	5MHz	16QAM	26365	1RB#12	22.05	23.00
Band25	5MHz	QPSK	26365	1RB#24	23.18	24.00
Band25	5MHz	16QAM	26365	1RB#24	22.06	23.00
Band25	5MHz	QPSK	26365	12RB#0	22.03	23.00
Band25	5MHz	16QAM	26365	12RB#0	21.03	22.00
Band25	5MHz	QPSK	26365	12RB#6	22.01	23.00
Band25	5MHz	16QAM	26365	12RB#6	21.03	22.00
Band25	5MHz	QPSK	26365	12RB#13	22.03	23.00
Band25	5MHz	16QAM	26365	12RB#13	21.01	22.00
Band25	5MHz	QPSK	26365	25RB#0	22.07	23.00
Band25	5MHz	16QAM	26365	25RB#0	21.07	22.00
Band25	5MHz	QPSK	26665	1RB#0	23.62	24.00
Band25	5MHz	16QAM	26665	1RB#0	22.32	23.00
Band25	5MHz	QPSK	26665	1RB#12	23.51	24.00
Band25	5MHz	16QAM	26665	1RB#12	22.29	23.00
Band25	5MHz	QPSK	26665	1RB#24	23.42	24.00
Band25	5MHz	16QAM	26665	1RB#24	22.30	23.00
Band25	5MHz	QPSK	26665	12RB#0	22.35	23.00
Band25	5MHz	16QAM	26665	12RB#0	21.38	22.00
Band25	5MHz	QPSK	26665	12RB#6	22.33	23.00
Band25	5MHz	16QAM	26665	12RB#6	21.36	22.00
Band25	5MHz	QPSK	26665	12RB#13	22.24	23.00
Band25	5MHz	16QAM	26665	12RB#13	21.23	22.00
Band25	5MHz	QPSK	26665	25RB#0	22.32	23.00

Band25	5MHz	16QAM	26665	25RB#0	21.37	22.00
Band25	10MHz	QPSK	26090	1RB#0	23.01	24.00
Band25	10MHz	16QAM	26090	1RB#0	21.94	22.00
Band25	10MHz	QPSK	26090	1RB#24	23.01	24.00
Band25	10MHz	16QAM	26090	1RB#24	22.05	23.00
Band25	10MHz	QPSK	26090	1RB#49	23.20	24.00
Band25	10MHz	16QAM	26090	1RB#49	22.04	23.00
Band25	10MHz	QPSK	26090	25RB#0	22.00	23.00
Band25	10MHz	16QAM	26090	25RB#0	20.96	21.00
Band25	10MHz	QPSK	26090	25RB#12	21.99	22.00
Band25	10MHz	16QAM	26090	25RB#12	20.98	21.00
Band25	10MHz	QPSK	26090	25RB#25	22.11	23.00
Band25	10MHz	16QAM	26090	25RB#25	21.09	22.00
Band25	10MHz	QPSK	26090	50RB#0	22.05	23.00
Band25	10MHz	16QAM	26090	50RB#0	21.04	22.00
Band25	10MHz	QPSK	26365	1RB#0	23.02	24.00
Band25	10MHz	16QAM	26365	1RB#0	22.04	23.00
Band25	10MHz	QPSK	26365	1RB#24	23.06	24.00
Band25	10MHz	16QAM	26365	1RB#24	22.08	23.00
Band25	10MHz	QPSK	26365	1RB#49	23.27	24.00
Band25	10MHz	16QAM	26365	1RB#49	22.10	23.00
Band25	10MHz	QPSK	26365	25RB#0	22.04	23.00
Band25	10MHz	16QAM	26365	25RB#0	21.02	22.00
Band25	10MHz	QPSK	26365	25RB#12	22.02	23.00
Band25	10MHz	16QAM	26365	25RB#12	21.01	22.00
Band25	10MHz	QPSK	26365	25RB#25	22.15	23.00
Band25	10MHz	16QAM	26365	25RB#25	21.12	22.00
Band25	10MHz	QPSK	26365	50RB#0	22.12	23.00
Band25	10MHz	16QAM	26365	50RB#0	21.08	22.00
Band25	10MHz	QPSK	26640	1RB#0	23.38	24.00
Band25	10MHz	16QAM	26640	1RB#0	22.48	23.00
Band25	10MHz	QPSK	26640	1RB#24	23.36	24.00
Band25	10MHz	16QAM	26640	1RB#24	22.39	23.00
Band25	10MHz	QPSK	26640	1RB#49	23.47	24.00
Band25	10MHz	16QAM	26640	1RB#49	22.29	23.00
Band25	10MHz	QPSK	26640	25RB#0	22.34	23.00
Band25	10MHz	16QAM	26640	25RB#0	21.35	22.00
Band25	10MHz	QPSK	26640	25RB#12	22.33	23.00
Band25	10MHz	16QAM	26640	25RB#12	21.33	22.00
Band25	10MHz	QPSK	26640	25RB#25	22.28	23.00
Band25	10MHz	16QAM	26640	25RB#25	21.24	22.00
Band25	10MHz	QPSK	26640	50RB#0	22.33	23.00
Band25	10MHz	16QAM	26640	50RB#0	21.26	22.00
Band25	15MHz	QPSK	26115	1RB#0	23.07	24.00
Band25	15MHz	16QAM	26115	1RB#0	21.98	22.00
Band25	15MHz	QPSK	26115	1RB#38	23.08	24.00
Band25	15MHz	16QAM	26115	1RB#38	22.04	23.00
Band25	15MHz	QPSK	26115	1RB#74	23.07	24.00
Band25	15MHz	16QAM	26115	1RB#74	22.10	23.00
Band25	15MHz	QPSK	26115	38RB#0	22.07	23.00
Band25	15MHz	16QAM	26115	38RB#0	22.07	23.00
Band25	15MHz	QPSK	26115	38RB#18	22.09	23.00
Band25	15MHz	16QAM	26115	38RB#18	22.07	23.00
Band25	15MHz	QPSK	26115	38RB#37	22.04	23.00
Band25	15MHz	16QAM	26115	38RB#37	22.07	23.00
Band25	15MHz	QPSK	26115	75RB#0	22.06	23.00
Band25	15MHz	16QAM	26115	75RB#0	21.02	22.00
Band25	15MHz	QPSK	26365	1RB#0	23.06	24.00
Band25	15MHz	16QAM	26365	1RB#0	22.08	23.00
Band25	15MHz	QPSK	26365	1RB#38	23.13	24.00
Band25	15MHz	16QAM	26365	1RB#38	22.15	23.00
Band25	15MHz	QPSK	26365	1RB#74	23.25	24.00
Band25	15MHz	16QAM	26365	1RB#74	22.23	23.00
Band25	15MHz	QPSK	26365	38RB#0	22.10	23.00
Band25	15MHz	16QAM	26365	38RB#0	22.14	23.00

Band25	15MHz	QPSK	26365	38RB#18	22.13	23.00
Band25	15MHz	16QAM	26365	38RB#18	22.13	23.00
Band25	15MHz	QPSK	26365	38RB#37	22.14	23.00
Band25	15MHz	16QAM	26365	38RB#37	22.13	23.00
Band25	15MHz	QPSK	26365	75RB#0	22.13	23.00
Band25	15MHz	16QAM	26365	75RB#0	21.12	22.00
Band25	15MHz	QPSK	26615	1RB#0	23.49	24.00
Band25	15MHz	16QAM	26615	1RB#0	22.43	23.00
Band25	15MHz	QPSK	26615	1RB#38	23.39	24.00
Band25	15MHz	16QAM	26615	1RB#38	22.36	23.00
Band25	15MHz	QPSK	26615	1RB#74	23.39	24.00
Band25	15MHz	16QAM	26615	1RB#74	22.40	23.00
Band25	15MHz	QPSK	26615	38RB#0	22.39	23.00
Band25	15MHz	16QAM	26615	38RB#0	22.37	23.00
Band25	15MHz	QPSK	26615	38RB#18	22.38	23.00
Band25	15MHz	16QAM	26615	38RB#18	22.38	23.00
Band25	15MHz	QPSK	26615	38RB#37	22.37	23.00
Band25	15MHz	16QAM	26615	38RB#37	22.38	23.00
Band25	15MHz	QPSK	26615	75RB#0	22.38	23.00
Band25	15MHz	16QAM	26615	75RB#0	21.35	22.00
Band25	20MHz	QPSK	26140	1RB#0	23.16	24.00
Band25	20MHz	16QAM	26140	1RB#0	22.01	23.00
Band25	20MHz	QPSK	26140	1RB#49	23.23	24.00
Band25	20MHz	16QAM	26140	1RB#49	22.08	23.00
Band25	20MHz	QPSK	26140	1RB#99	23.24	24.00
Band25	20MHz	16QAM	26140	1RB#99	22.05	23.00
Band25	20MHz	QPSK	26140	50RB#0	22.11	23.00
Band25	20MHz	16QAM	26140	50RB#0	21.08	22.00
Band25	20MHz	QPSK	26140	50RB#25	22.13	23.00
Band25	20MHz	16QAM	26140	50RB#25	21.08	22.00
Band25	20MHz	QPSK	26140	50RB#50	22.13	23.00
Band25	20MHz	16QAM	26140	50RB#50	21.15	22.00
Band25	20MHz	QPSK	26140	100RB#0	22.11	23.00
Band25	20MHz	16QAM	26140	100RB#0	21.11	22.00
Band25	20MHz	QPSK	26365	1RB#0	23.15	24.00
Band25	20MHz	16QAM	26365	1RB#0	21.96	22.00
Band25	20MHz	QPSK	26365	1RB#49	23.20	24.00
Band25	20MHz	16QAM	26365	1RB#49	22.09	23.00
Band25	20MHz	QPSK	26365	1RB#99	23.48	24.00
Band25	20MHz	16QAM	26365	1RB#99	22.20	23.00
Band25	20MHz	QPSK	26365	50RB#0	22.09	23.00
Band25	20MHz	16QAM	26365	50RB#0	21.10	22.00
Band25	20MHz	QPSK	26365	50RB#25	22.11	23.00
Band25	20MHz	16QAM	26365	50RB#25	21.09	22.00
Band25	20MHz	QPSK	26365	50RB#50	22.32	23.00
Band25	20MHz	16QAM	26365	50RB#50	21.30	22.00
Band25	20MHz	QPSK	26365	100RB#0	22.22	23.00
Band25	20MHz	16QAM	26365	100RB#0	21.21	22.00
Band25	20MHz	QPSK	26590	1RB#0	23.28	24.00
Band25	20MHz	16QAM	26590	1RB#0	22.12	23.00
Band25	20MHz	QPSK	26590	1RB#49	23.56	24.00
Band25	20MHz	16QAM	26590	1RB#49	22.34	23.00
Band25	20MHz	QPSK	26590	1RB#99	23.47	24.00
Band25	20MHz	16QAM	26590	1RB#99	22.28	23.00
Band25	20MHz	QPSK	26590	50RB#0	22.46	23.00
Band25	20MHz	16QAM	26590	50RB#0	21.48	22.00
Band25	20MHz	QPSK	26590	50RB#25	22.46	23.00
Band25	20MHz	16QAM	26590	50RB#25	21.48	22.00
Band25	20MHz	QPSK	26590	50RB#50	22.47	23.00
Band25	20MHz	16QAM	26590	50RB#50	21.47	22.00
Band25	20MHz	QPSK	26590	100RB#0	22.48	23.00
Band25	20MHz	16QAM	26590	100RB#0	21.46	22.00

7.1.14. Conducted Power Measurement Results(LTE Band 26 814-824MHz)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	TuneUp(dBm)
Band26	1.4MHz	QPSK	26697	1RB#0	24.44	25.00
Band26	1.4MHz	16QAM	26697	1RB#0	23.26	24.00
Band26	1.4MHz	QPSK	26697	1RB#2	24.36	25.00
Band26	1.4MHz	16QAM	26697	1RB#2	23.25	24.00
Band26	1.4MHz	QPSK	26697	1RB#5	24.42	25.00
Band26	1.4MHz	16QAM	26697	1RB#5	23.27	24.00
Band26	1.4MHz	QPSK	26697	3RB#0	24.43	25.00
Band26	1.4MHz	16QAM	2600697	3RB#0	23.23	24.00
Band26	1.4MHz	QPSK	26697	3RB#1	24.45	25.00
Band26	1.4MHz	16QAM	26697	3RB#1	23.25	24.00
Band26	1.4MHz	QPSK	26697	3RB#3	24.42	25.00
Band26	1.4MHz	16QAM	26697	3RB#3	23.24	24.00
Band26	1.4MHz	QPSK	26697	6RB#0	23.40	24.00
Band26	1.4MHz	16QAM	26697	6RB#0	22.24	23.00
Band26	1.4MHz	QPSK	26740	1RB#0	24.39	25.00
Band26	1.4MHz	16QAM	26740	1RB#0	23.15	24.00
Band26	1.4MHz	QPSK	26740	1RB#2	24.34	25.00
Band26	1.4MHz	16QAM	26740	1RB#2	23.11	24.00
Band26	1.4MHz	QPSK	26740	1RB#5	24.36	25.00
Band26	1.4MHz	16QAM	26740	1RB#5	23.12	24.00
Band26	1.4MHz	QPSK	26740	3RB#0	24.40	25.00
Band26	1.4MHz	16QAM	26740	3RB#0	23.21	24.00
Band26	1.4MHz	QPSK	26740	3RB#1	24.40	25.00
Band26	1.4MHz	16QAM	26740	3RB#1	23.21	24.00
Band26	1.4MHz	QPSK	26740	3RB#3	24.37	25.00
Band26	1.4MHz	16QAM	26740	3RB#3	23.17	24.00
Band26	1.4MHz	QPSK	26740	6RB#0	23.37	24.00
Band26	1.4MHz	16QAM	26740	6RB#0	22.33	23.00
Band26	1.4MHz	QPSK	26783	1RB#0	24.31	25.00
Band26	1.4MHz	16QAM	26783	1RB#0	23.28	24.00
Band26	1.4MHz	QPSK	26783	1RB#2	24.26	25.00
Band26	1.4MHz	16QAM	26783	1RB#2	23.26	24.00
Band26	1.4MHz	QPSK	26783	1RB#5	24.30	25.00
Band26	1.4MHz	16QAM	26783	1RB#5	23.25	24.00
Band26	1.4MHz	QPSK	26783	3RB#0	24.35	25.00
Band26	1.4MHz	16QAM	26783	3RB#0	23.25	24.00
Band26	1.4MHz	QPSK	26783	3RB#1	24.34	25.00
Band26	1.4MHz	16QAM	26783	3RB#1	23.25	24.00
Band26	1.4MHz	QPSK	26783	3RB#3	24.29	25.00
Band26	1.4MHz	16QAM	26783	3RB#3	23.16	24.00
Band26	1.4MHz	QPSK	26783	6RB#0	23.38	24.00
Band26	1.4MHz	16QAM	26783	6RB#0	22.42	23.00
Band26	3MHz	QPSK	26705	1RB#0	24.41	25.00
Band26	3MHz	16QAM	26705	1RB#0	23.37	24.00
Band26	3MHz	QPSK	26705	1RB#8	24.40	25.00
Band26	3MHz	16QAM	26705	1RB#8	23.37	24.00
Band26	3MHz	QPSK	26705	1RB#14	24.34	25.00
Band26	3MHz	16QAM	26705	1RB#14	23.32	24.00
Band26	3MHz	QPSK	26705	8RB#0	23.39	24.00
Band26	3MHz	16QAM	26705	8RB#0	22.41	23.00
Band26	3MHz	QPSK	26705	8RB#4	23.42	24.00
Band26	3MHz	16QAM	26705	8RB#4	22.42	23.00
Band26	3MHz	QPSK	26705	8RB#7	23.42	24.00
Band26	3MHz	16QAM	26705	8RB#7	22.40	23.00
Band26	3MHz	QPSK	26705	15RB#0	23.40	24.00
Band26	3MHz	16QAM	26705	15RB#0	22.41	23.00
Band26	3MHz	QPSK	26740	1RB#0	24.39	25.00
Band26	3MHz	16QAM	26740	1RB#0	23.27	24.00
Band26	3MHz	QPSK	26740	1RB#8	24.40	25.00
Band26	3MHz	16QAM	26740	1RB#8	23.22	24.00
Band26	3MHz	QPSK	26740	1RB#14	24.42	25.00
Band26	3MHz	16QAM	26740	1RB#14	23.23	24.00

Band26	3MHz	QPSK	26740	8RB#0	23.38	24.00
Band26	3MHz	16QAM	26740	8RB#0	22.37	23.00
Band26	3MHz	QPSK	26740	8RB#4	23.40	24.00
Band26	3MHz	16QAM	26740	8RB#4	22.38	23.00
Band26	3MHz	QPSK	26740	8RB#7	23.37	24.00
Band26	3MHz	16QAM	26740	8RB#7	22.34	23.00
Band26	3MHz	QPSK	26740	15RB#0	23.40	24.00
Band26	3MHz	16QAM	26740	15RB#0	22.30	23.00
Band26	3MHz	QPSK	26775	1RB#0	24.39	25.00
Band26	3MHz	16QAM	26775	1RB#0	23.15	24.00
Band26	3MHz	QPSK	26775	1RB#8	24.33	25.00
Band26	3MHz	16QAM	26775	1RB#8	23.18	24.00
Band26	3MHz	QPSK	26775	1RB#14	24.30	25.00
Band26	3MHz	16QAM	26775	1RB#14	23.13	24.00
Band26	3MHz	QPSK	26775	8RB#0	23.46	24.00
Band26	3MHz	16QAM	26775	8RB#0	22.44	23.00
Band26	3MHz	QPSK	26775	8RB#4	23.48	24.00
Band26	3MHz	16QAM	26775	8RB#4	22.44	23.00
Band26	3MHz	QPSK	26775	8RB#7	23.42	24.00
Band26	3MHz	16QAM	26775	8RB#7	22.41	23.00
Band26	3MHz	QPSK	26775	15RB#0	23.40	24.00
Band26	3MHz	16QAM	26775	15RB#0	22.32	23.00
Band26	5MHz	QPSK	26715	1RB#0	24.59	25.00
Band26	5MHz	16QAM	26715	1RB#0	23.45	24.00
Band26	5MHz	QPSK	26715	1RB#12	24.57	25.00
Band26	5MHz	16QAM	26715	1RB#12	23.36	24.00
Band26	5MHz	QPSK	26715	1RB#24	24.55	25.00
Band26	5MHz	16QAM	26715	1RB#24	23.43	24.00
Band26	5MHz	QPSK	26715	12RB#0	23.43	24.00
Band26	5MHz	16QAM	26715	12RB#0	22.44	23.00
Band26	5MHz	QPSK	26715	12RB#6	23.43	24.00
Band26	5MHz	16QAM	26715	12RB#6	22.45	23.00
Band26	5MHz	QPSK	26715	12RB#13	23.40	24.00
Band26	5MHz	16QAM	26715	12RB#13	22.39	23.00
Band26	5MHz	QPSK	26715	25RB#0	23.46	24.00
Band26	5MHz	16QAM	26715	25RB#0	22.45	23.00
Band26	5MHz	QPSK	26740	1RB#0	24.44	25.00
Band26	5MHz	16QAM	26740	1RB#0	23.46	24.00
Band26	5MHz	QPSK	26740	1RB#12	24.45	25.00
Band26	5MHz	16QAM	26740	1RB#12	23.48	24.00
Band26	5MHz	QPSK	26740	1RB#24	24.53	25.00
Band26	5MHz	16QAM	26740	1RB#24	23.50	24.00
Band26	5MHz	QPSK	26740	12RB#0	23.42	24.00
Band26	5MHz	16QAM	26740	12RB#0	22.50	23.00
Band26	5MHz	QPSK	26740	12RB#6	23.42	24.00
Band26	5MHz	16QAM	26740	12RB#6	22.47	23.00
Band26	5MHz	QPSK	26740	12RB#13	23.40	24.00
Band26	5MHz	16QAM	26740	12RB#13	22.47	23.00
Band26	5MHz	QPSK	26740	25RB#0	23.43	24.00
Band26	5MHz	16QAM	26740	25RB#0	22.40	23.00
Band26	5MHz	QPSK	26765	1RB#0	24.47	25.00
Band26	5MHz	16QAM	26765	1RB#0	23.34	24.00
Band26	5MHz	QPSK	26765	1RB#12	24.48	25.00
Band26	5MHz	16QAM	26765	1RB#12	23.33	24.00
Band26	5MHz	QPSK	26765	1RB#24	24.50	25.00
Band26	5MHz	16QAM	26765	1RB#24	23.33	24.00
Band26	5MHz	QPSK	26765	12RB#0	23.46	24.00
Band26	5MHz	16QAM	26765	12RB#0	22.47	23.00
Band26	5MHz	QPSK	26765	12RB#6	23.46	24.00
Band26	5MHz	16QAM	26765	12RB#6	22.46	23.00
Band26	5MHz	QPSK	26765	12RB#13	23.44	24.00
Band26	5MHz	16QAM	26765	12RB#13	22.41	23.00
Band26	5MHz	QPSK	26765	25RB#0	23.49	24.00
Band26	5MHz	16QAM	26765	25RB#0	22.49	23.00
Band26	10MHz	QPSK	26740	1RB#0	24.41	25.00

Band26	10MHz	16QAM	26740	1RB#0	23.39	24.00
Band26	10MHz	QPSK	26740	1RB#24	24.36	25.00
Band26	10MHz	16QAM	26740	1RB#24	23.44	24.00
Band26	10MHz	QPSK	26740	1RB#49	24.45	25.00
Band26	10MHz	16QAM	26740	1RB#49	23.47	24.00
Band26	10MHz	QPSK	26740	25RB#0	23.38	24.00
Band26	10MHz	16QAM	26740	25RB#0	22.36	23.00
Band26	10MHz	QPSK	26740	25RB#12	23.39	24.00
Band26	10MHz	16QAM	26740	25RB#12	22.38	23.00
Band26	10MHz	QPSK	26740	25RB#25	23.41	24.00
Band26	10MHz	16QAM	26740	25RB#25	22.35	23.00
Band26	10MHz	QPSK	26740	50RB#0	23.40	24.00
Band26	10MHz	16QAM	26740	50RB#0	22.37	23.00

7.1.15. Conducted Power Measurement Results(LTE Band 26 824-849MHz)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune Up(dBm)
Band26	1.4MHz	QPSK	26797	1RB#0	24.34	25.00
Band26	1.4MHz	16QAM	26797	1RB#0	23.38	24.00
Band26	1.4MHz	QPSK	26797	1RB#2	24.34	25.00
Band26	1.4MHz	16QAM	26797	1RB#2	23.37	24.00
Band26	1.4MHz	QPSK	26797	1RB#5	24.34	25.00
Band26	1.4MHz	16QAM	26797	1RB#5	23.35	24.00
Band26	1.4MHz	QPSK	26797	3RB#0	24.33	25.00
Band26	1.4MHz	16QAM	26797	3RB#0	23.32	24.00
Band26	1.4MHz	QPSK	26797	3RB#1	24.35	25.00
Band26	1.4MHz	16QAM	26797	3RB#1	23.31	24.00
Band26	1.4MHz	QPSK	26797	3RB#3	24.36	25.00
Band26	1.4MHz	16QAM	26797	3RB#3	23.27	24.00
Band26	1.4MHz	QPSK	26797	6RB#0	23.49	24.00
Band26	1.4MHz	16QAM	26797	6RB#0	22.46	23.00
Band26	1.4MHz	QPSK	26915	1RB#0	24.41	25.00
Band26	1.4MHz	16QAM	26915	1RB#0	23.36	24.00
Band26	1.4MHz	QPSK	26915	1RB#2	24.40	25.00
Band26	1.4MHz	16QAM	26915	1RB#2	23.35	24.00
Band26	1.4MHz	QPSK	26915	1RB#5	24.41	25.00
Band26	1.4MHz	16QAM	26915	1RB#5	23.37	24.00
Band26	1.4MHz	QPSK	26915	3RB#0	24.42	25.00
Band26	1.4MHz	16QAM	26915	3RB#0	23.31	24.00
Band26	1.4MHz	QPSK	26915	3RB#1	24.40	25.00
Band26	1.4MHz	16QAM	26915	3RB#1	23.32	24.00
Band26	1.4MHz	QPSK	26915	3RB#3	24.45	25.00
Band26	1.4MHz	16QAM	26915	3RB#3	23.31	24.00
Band26	1.4MHz	QPSK	26915	6RB#0	23.49	24.00
Band26	1.4MHz	16QAM	26915	6RB#0	22.30	23.00
Band26	1.4MHz	QPSK	27033	1RB#0	24.22	25.00
Band26	1.4MHz	16QAM	27033	1RB#0	23.15	24.00
Band26	1.4MHz	QPSK	27033	1RB#2	24.20	25.00
Band26	1.4MHz	16QAM	27033	1RB#2	23.06	24.00
Band26	1.4MHz	QPSK	27033	1RB#5	24.23	25.00
Band26	1.4MHz	16QAM	27033	1RB#5	23.08	24.00
Band26	1.4MHz	QPSK	27033	3RB#0	24.25	25.00
Band26	1.4MHz	16QAM	27033	3RB#0	23.28	24.00
Band26	1.4MHz	QPSK	27033	3RB#1	24.24	25.00
Band26	1.4MHz	16QAM	27033	3RB#1	23.22	24.00
Band26	1.4MHz	QPSK	27033	3RB#3	24.24	25.00
Band26	1.4MHz	16QAM	27033	3RB#3	23.12	24.00
Band26	1.4MHz	QPSK	27033	6RB#0	23.39	24.00
Band26	1.4MHz	16QAM	27033	6RB#0	22.33	23.00
Band26	3MHz	QPSK	26805	1RB#0	24.42	25.00
Band26	3MHz	16QAM	26805	1RB#0	23.40	24.00
Band26	3MHz	QPSK	26805	1RB#8	24.41	25.00
Band26	3MHz	16QAM	26805	1RB#8	23.50	24.00
Band26	3MHz	QPSK	26805	1RB#14	24.55	25.00
Band26	3MHz	16QAM	26805	1RB#14	23.45	24.00
Band26	3MHz	QPSK	26805	8RB#0	23.48	24.00
Band26	3MHz	16QAM	26805	8RB#0	22.51	23.00
Band26	3MHz	QPSK	26805	8RB#4	23.49	24.00
Band26	3MHz	16QAM	26805	8RB#4	22.48	23.00
Band26	3MHz	QPSK	26805	8RB#7	23.45	24.00
Band26	3MHz	16QAM	26805	8RB#7	22.45	23.00
Band26	3MHz	QPSK	26805	15RB#0	23.46	24.00
Band26	3MHz	16QAM	26805	15RB#0	22.46	23.00
Band26	3MHz	QPSK	26915	1RB#0	24.42	25.00
Band26	3MHz	16QAM	26915	1RB#0	23.33	24.00
Band26	3MHz	QPSK	26915	1RB#8	24.37	25.00
Band26	3MHz	16QAM	26915	1RB#8	23.33	24.00

Band26	3MHz	QPSK	26915	1RB#14	24.37	25.00
Band26	3MHz	16QAM	26915	1RB#14	23.30	24.00
Band26	3MHz	QPSK	26915	8RB#0	23.49	24.00
Band26	3MHz	16QAM	26915	8RB#0	22.50	23.00
Band26	3MHz	QPSK	26915	8RB#4	23.50	24.00
Band26	3MHz	16QAM	26915	8RB#4	22.49	23.00
Band26	3MHz	QPSK	26915	8RB#7	23.45	24.00
Band26	3MHz	16QAM	26915	8RB#7	22.47	23.00
Band26	3MHz	QPSK	26915	15RB#0	23.47	24.00
Band26	3MHz	16QAM	26915	15RB#0	22.39	23.00
Band26	3MHz	QPSK	27025	1RB#0	24.24	25.00
Band26	3MHz	16QAM	27025	1RB#0	23.13	24.00
Band26	3MHz	QPSK	27025	1RB#8	24.17	25.00
Band26	3MHz	16QAM	27025	1RB#8	23.14	24.00
Band26	3MHz	QPSK	27025	1RB#14	24.20	25.00
Band26	3MHz	16QAM	27025	1RB#14	23.07	24.00
Band26	3MHz	QPSK	27025	8RB#0	23.46	24.00
Band26	3MHz	16QAM	27025	8RB#0	22.44	23.00
Band26	3MHz	QPSK	27025	8RB#4	23.46	24.00
Band26	3MHz	16QAM	27025	8RB#4	22.44	23.00
Band26	3MHz	QPSK	27025	8RB#7	23.40	24.00
Band26	3MHz	16QAM	27025	8RB#7	22.35	23.00
Band26	3MHz	QPSK	27025	15RB#0	23.37	24.00
Band26	3MHz	16QAM	27025	15RB#0	22.29	23.00
Band26	5MHz	QPSK	26815	1RB#0	24.62	25.00
Band26	5MHz	16QAM	26815	1RB#0	23.52	24.00
Band26	5MHz	QPSK	26815	1RB#12	24.66	25.00
Band26	5MHz	16QAM	26815	1RB#12	23.47	24.00
Band26	5MHz	QPSK	26815	1RB#24	24.67	25.00
Band26	5MHz	16QAM	26815	1RB#24	23.50	24.00
Band26	5MHz	QPSK	26815	12RB#0	23.53	24.00
Band26	5MHz	16QAM	26815	12RB#0	22.51	23.00
Band26	5MHz	QPSK	26815	12RB#6	23.52	24.00
Band26	5MHz	16QAM	26815	12RB#6	22.52	23.00
Band26	5MHz	QPSK	26815	12RB#13	23.50	24.00
Band26	5MHz	16QAM	26815	12RB#13	22.53	23.00
Band26	5MHz	QPSK	26815	25RB#0	23.59	24.00
Band26	5MHz	16QAM	26815	25RB#0	22.57	23.00
Band26	5MHz	QPSK	26915	1RB#0	24.55	25.00
Band26	5MHz	16QAM	26915	1RB#0	23.59	24.00
Band26	5MHz	QPSK	26915	1RB#12	24.45	25.00
Band26	5MHz	16QAM	26915	1RB#12	23.58	24.00
Band26	5MHz	QPSK	26915	1RB#24	24.45	25.00
Band26	5MHz	16QAM	26915	1RB#24	23.55	24.00
Band26	5MHz	QPSK	26915	12RB#0	23.52	24.00
Band26	5MHz	16QAM	26915	12RB#0	22.59	23.00
Band26	5MHz	QPSK	26915	12RB#6	23.52	24.00
Band26	5MHz	16QAM	26915	12RB#6	22.58	23.00
Band26	5MHz	QPSK	26915	12RB#13	23.48	24.00
Band26	5MHz	16QAM	26915	12RB#13	22.55	23.00
Band26	5MHz	QPSK	26915	25RB#0	23.56	24.00
Band26	5MHz	16QAM	26915	25RB#0	22.49	23.00
Band26	5MHz	QPSK	27015	1RB#0	24.44	25.00
Band26	5MHz	16QAM	27015	1RB#0	23.34	24.00
Band26	5MHz	QPSK	27015	1RB#12	24.36	25.00
Band26	5MHz	16QAM	27015	1RB#12	23.38	24.00
Band26	5MHz	QPSK	27015	1RB#24	24.38	25.00
Band26	5MHz	16QAM	27015	1RB#24	23.28	24.00
Band26	5MHz	QPSK	27015	12RB#0	23.46	24.00
Band26	5MHz	16QAM	27015	12RB#0	22.48	23.00
Band26	5MHz	QPSK	27015	12RB#6	23.48	24.00
Band26	5MHz	16QAM	27015	12RB#6	22.50	23.00
Band26	5MHz	QPSK	27015	12RB#13	23.39	24.00
Band26	5MHz	16QAM	27015	12RB#13	22.43	23.00
Band26	5MHz	QPSK	27015	25RB#0	23.46	24.00

Band26	5MHz	16QAM	27015	25RB#0	22.48	23.00
Band26	10MHz	QPSK	26840	1RB#0	24.48	25.00
Band26	10MHz	16QAM	26840	1RB#0	23.45	24.00
Band26	10MHz	QPSK	26840	1RB#24	24.52	25.00
Band26	10MHz	16QAM	26840	1RB#24	23.54	24.00
Band26	10MHz	QPSK	26840	1RB#49	24.48	25.00
Band26	10MHz	16QAM	26840	1RB#49	23.49	24.00
Band26	10MHz	16QAM	26840	25RB#0	22.43	23.00
Band26	10MHz	QPSK	26840	25RB#12	23.49	24.00
Band26	10MHz	16QAM	26840	25RB#12	22.44	23.00
Band26	10MHz	QPSK	26840	25RB#25	23.47	24.00
Band26	10MHz	16QAM	26840	25RB#25	22.45	23.00
Band26	10MHz	QPSK	26840	50RB#0	23.45	24.00
Band26	10MHz	16QAM	26840	50RB#0	22.44	23.00
Band26	10MHz	QPSK	26915	1RB#0	24.53	25.00
Band26	10MHz	16QAM	26915	1RB#0	23.42	24.00
Band26	10MHz	QPSK	26915	1RB#24	24.46	25.00
Band26	10MHz	16QAM	26915	1RB#24	23.33	24.00
Band26	10MHz	QPSK	26915	1RB#49	24.44	25.00
Band26	10MHz	16QAM	26915	1RB#49	23.29	24.00
Band26	10MHz	QPSK	26915	25RB#0	23.48	24.00
Band26	10MHz	16QAM	26915	25RB#0	22.46	23.00
Band26	10MHz	QPSK	26915	25RB#12	23.49	24.00
Band26	10MHz	16QAM	26915	25RB#12	22.47	23.00
Band26	10MHz	QPSK	26915	25RB#25	23.43	24.00
Band26	10MHz	16QAM	26915	25RB#25	22.44	23.00
Band26	10MHz	QPSK	26915	50RB#0	23.45	24.00
Band26	10MHz	16QAM	26915	50RB#0	22.43	23.00
Band26	10MHz	QPSK	26990	1RB#0	24.41	25.00
Band26	10MHz	16QAM	26990	1RB#0	23.18	24.00
Band26	10MHz	QPSK	26990	1RB#24	24.26	25.00
Band26	10MHz	16QAM	26990	1RB#24	23.10	24.00
Band26	10MHz	QPSK	26990	1RB#49	24.28	25.00
Band26	10MHz	16QAM	26990	1RB#49	23.07	24.00
Band26	10MHz	QPSK	26990	25RB#0	23.40	24.00
Band26	10MHz	16QAM	26990	25RB#0	22.43	23.00
Band26	10MHz	QPSK	26990	25RB#12	23.40	24.00
Band26	10MHz	16QAM	26990	25RB#12	22.41	23.00
Band26	10MHz	QPSK	26990	25RB#25	23.36	24.00
Band26	10MHz	16QAM	26990	25RB#25	22.37	23.00
Band26	10MHz	QPSK	26990	50RB#0	23.39	24.00
Band26	10MHz	16QAM	26990	50RB#0	22.39	23.00
Band26	15MHz	QPSK	26865	1RB#0	24.57	25.00
Band26	15MHz	16QAM	26865	1RB#0	23.59	24.00
Band26	15MHz	QPSK	26865	1RB#38	24.57	25.00
Band26	15MHz	16QAM	26865	1RB#38	23.58	24.00
Band26	15MHz	QPSK	26865	1RB#74	24.51	25.00
Band26	15MHz	16QAM	26865	1RB#74	23.48	24.00
Band26	15MHz	QPSK	26865	38RB#0	23.54	24.00
Band26	15MHz	16QAM	26865	38RB#0	23.53	24.00
Band26	15MHz	QPSK	26865	38RB#18	23.55	24.00
Band26	15MHz	16QAM	26865	38RB#18	23.55	24.00
Band26	15MHz	QPSK	26865	38RB#37	23.53	24.00
Band26	15MHz	16QAM	26865	38RB#37	23.54	24.00
Band26	15MHz	QPSK	26865	75RB#0	23.57	24.00
Band26	15MHz	16QAM	26865	75RB#0	22.53	23.00
Band26	15MHz	QPSK	26915	1RB#0	24.55	25.00
Band26	15MHz	16QAM	26915	1RB#0	23.66	24.00
Band26	15MHz	QPSK	26915	1RB#38	24.45	25.00
Band26	15MHz	16QAM	26915	1RB#38	23.64	24.00
Band26	15MHz	QPSK	26915	1RB#74	24.36	25.00
Band26	15MHz	16QAM	26915	1RB#74	23.51	24.00
Band26	15MHz	QPSK	26915	38RB#0	23.51	24.00
Band26	15MHz	16QAM	26915	38RB#0	23.50	24.00
Band26	15MHz	QPSK	26915	38RB#18	23.51	24.00

Band26	15MHz	16QAM	26915	38RB#18	23.52	24.00
Band26	15MHz	QPSK	26915	38RB#37	23.51	24.00
Band26	15MHz	16QAM	26915	38RB#37	23.50	24.00
Band26	15MHz	QPSK	26915	75RB#0	23.52	24.00
Band26	15MHz	16QAM	26915	75RB#0	22.54	23.00
Band26	15MHz	QPSK	26965	1RB#0	24.58	25.00
Band26	15MHz	16QAM	26965	1RB#0	23.32	24.00
Band26	15MHz	QPSK	26965	1RB#38	24.49	25.00
Band26	15MHz	16QAM	26965	1RB#38	23.26	24.00
Band26	15MHz	QPSK	26965	1RB#74	24.36	25.00
Band26	15MHz	16QAM	26965	1RB#74	23.19	24.00
Band26	15MHz	QPSK	26965	38RB#0	23.51	24.00
Band26	15MHz	16QAM	26965	38RB#0	23.51	24.00
Band26	15MHz	QPSK	26965	38RB#18	23.50	24.00
Band26	15MHz	16QAM	26965	38RB#18	23.52	24.00
Band26	15MHz	QPSK	26965	38RB#37	23.51	24.00
Band26	15MHz	16QAM	26965	38RB#37	23.51	24.00
Band26	15MHz	QPSK	26965	75RB#0	23.53	24.00
Band26	15MHz	16QAM	26965	75RB#0	22.53	23.00
Band26	10MHz	QPSK	26840	25RB#0	23.48	24.00

7.1.16. Conducted Power Measurement Results(LTE Band 38)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune Up (dBm)
Band38	5MHz	QPSK	37775	1RB#0	22.48	23.00
Band38	5MHz	16QAM	37775	1RB#0	21.59	22.00
Band38	5MHz	QPSK	37775	1RB#12	22.52	23.00
Band38	5MHz	16QAM	37775	1RB#12	21.62	22.00
Band38	5MHz	QPSK	37775	1RB#24	22.53	23.00
Band38	5MHz	16QAM	37775	1RB#24	21.68	22.00
Band38	5MHz	QPSK	37775	12RB#0	21.53	22.00
Band38	5MHz	16QAM	37775	12RB#0	20.61	21.00
Band38	5MHz	QPSK	37775	12RB#6	21.53	22.00
Band38	5MHz	16QAM	37775	12RB#6	20.60	21.00
Band38	5MHz	QPSK	37775	12RB#13	21.50	22.00
Band38	5MHz	16QAM	37775	12RB#13	20.61	21.00
Band38	5MHz	QPSK	37775	25RB#0	21.59	22.00
Band38	5MHz	16QAM	37775	25RB#0	20.54	21.00
Band38	5MHz	QPSK	38000	1RB#0	22.73	23.00
Band38	5MHz	16QAM	38000	1RB#0	21.77	22.00
Band38	5MHz	QPSK	38000	1RB#12	22.73	23.00
Band38	5MHz	16QAM	38000	1RB#12	21.77	22.00
Band38	5MHz	QPSK	38000	1RB#24	22.76	23.00
Band38	5MHz	16QAM	38000	1RB#24	21.75	22.00
Band38	5MHz	QPSK	38000	12RB#0	21.72	22.00
Band38	5MHz	16QAM	38000	12RB#0	20.69	21.00
Band38	5MHz	QPSK	38000	12RB#6	21.72	22.00
Band38	5MHz	16QAM	38000	12RB#6	20.70	21.00
Band38	5MHz	QPSK	38000	12RB#13	21.73	22.00
Band38	5MHz	16QAM	38000	12RB#13	20.67	21.00
Band38	5MHz	QPSK	38000	25RB#0	21.73	22.00
Band38	5MHz	16QAM	38000	25RB#0	20.71	21.00
Band38	5MHz	QPSK	38225	1RB#0	22.85	23.00
Band38	5MHz	16QAM	38225	1RB#0	21.97	22.00
Band38	5MHz	QPSK	38225	1RB#12	22.84	23.00
Band38	5MHz	16QAM	38225	1RB#12	21.87	22.00
Band38	5MHz	QPSK	38225	1RB#24	22.90	23.00
Band38	5MHz	16QAM	38225	1RB#24	21.95	22.00
Band38	5MHz	QPSK	38225	12RB#0	21.68	22.00
Band38	5MHz	16QAM	38225	12RB#0	20.69	21.00
Band38	5MHz	QPSK	38225	12RB#6	21.67	22.00
Band38	5MHz	16QAM	38225	12RB#6	20.72	21.00
Band38	5MHz	QPSK	38225	12RB#13	21.68	22.00
Band38	5MHz	16QAM	38225	12RB#13	20.71	21.00
Band38	5MHz	QPSK	38225	25RB#0	21.72	22.00
Band38	5MHz	16QAM	38225	25RB#0	20.70	21.00
Band38	10MHz	QPSK	37800	1RB#0	22.41	23.00
Band38	10MHz	16QAM	37800	1RB#0	21.55	22.00
Band38	10MHz	QPSK	37800	1RB#24	22.52	23.00
Band38	10MHz	16QAM	37800	1RB#24	21.64	22.00
Band38	10MHz	QPSK	37800	1RB#49	22.59	23.00
Band38	10MHz	16QAM	37800	1RB#49	21.76	22.00
Band38	10MHz	QPSK	37800	25RB#0	21.41	22.00
Band38	10MHz	16QAM	37800	25RB#0	20.44	21.00
Band38	10MHz	QPSK	37800	25RB#12	21.42	22.00
Band38	10MHz	16QAM	37800	25RB#12	20.44	21.00
Band38	10MHz	QPSK	37800	25RB#25	21.51	22.00
Band38	10MHz	16QAM	37800	25RB#25	20.54	21.00
Band38	10MHz	QPSK	37800	50RB#0	21.41	22.00
Band38	10MHz	16QAM	37800	50RB#0	20.38	21.00
Band38	10MHz	QPSK	38000	1RB#0	22.60	23.00
Band38	10MHz	16QAM	38000	1RB#0	21.33	22.00
Band38	10MHz	QPSK	38000	1RB#24	22.61	23.00
Band38	10MHz	16QAM	38000	1RB#24	21.36	22.00

Band38	10MHz	QPSK	38000	1RB#49	22.61	23.00
Band38	10MHz	16QAM	38000	1RB#49	21.37	22.00
Band38	10MHz	QPSK	38000	25RB#0	21.59	22.00
Band38	10MHz	16QAM	38000	25RB#0	20.56	21.00
Band38	10MHz	QPSK	38000	25RB#12	21.58	22.00
Band38	10MHz	16QAM	38000	25RB#12	20.56	21.00
Band38	10MHz	QPSK	38000	25RB#25	21.61	22.00
Band38	10MHz	16QAM	38000	25RB#25	20.56	21.00
Band38	10MHz	QPSK	38000	50RB#0	21.60	22.00
Band38	10MHz	16QAM	38000	50RB#0	20.57	21.00
Band38	10MHz	QPSK	38200	1RB#0	22.65	23.00
Band38	10MHz	16QAM	38200	1RB#0	21.77	22.00
Band38	10MHz	QPSK	38200	1RB#24	22.69	23.00
Band38	10MHz	16QAM	38200	1RB#24	21.78	22.00
Band38	10MHz	QPSK	38200	1RB#49	22.63	23.00
Band38	10MHz	16QAM	38200	1RB#49	21.78	22.00
Band38	10MHz	QPSK	38200	25RB#0	21.57	22.00
Band38	10MHz	16QAM	38200	25RB#0	20.61	21.00
Band38	10MHz	QPSK	38200	25RB#12	21.58	22.00
Band38	10MHz	16QAM	38200	25RB#12	20.61	21.00
Band38	10MHz	QPSK	38200	25RB#25	21.60	22.00
Band38	10MHz	16QAM	38200	25RB#25	20.64	21.00
Band38	10MHz	QPSK	38200	50RB#0	21.55	22.00
Band38	10MHz	16QAM	38200	50RB#0	20.55	21.00
Band38	15MHz	QPSK	37825	1RB#0	22.40	23.00
Band38	15MHz	16QAM	37825	1RB#0	21.53	22.00
Band38	15MHz	QPSK	37825	1RB#38	22.64	23.00
Band38	15MHz	16QAM	37825	1RB#38	21.74	22.00
Band38	15MHz	QPSK	37825	1RB#74	22.69	23.00
Band38	15MHz	16QAM	37825	1RB#74	21.82	22.00
Band38	15MHz	QPSK	37825	38RB#0	21.47	22.00
Band38	15MHz	16QAM	37825	38RB#0	21.47	22.00
Band38	15MHz	QPSK	37825	38RB#18	21.49	22.00
Band38	15MHz	16QAM	37825	38RB#18	21.49	22.00
Band38	15MHz	QPSK	37825	38RB#37	21.47	22.00
Band38	15MHz	16QAM	37825	38RB#37	21.50	22.00
Band38	15MHz	QPSK	37825	75RB#0	21.51	22.00
Band38	15MHz	16QAM	37825	75RB#0	20.55	21.00
Band38	15MHz	QPSK	38000	1RB#0	22.78	23.00
Band38	15MHz	16QAM	38000	1RB#0	21.45	22.00
Band38	15MHz	QPSK	38000	1RB#38	22.83	23.00
Band38	15MHz	16QAM	38000	1RB#38	21.48	22.00
Band38	15MHz	QPSK	38000	1RB#74	22.80	23.00
Band38	15MHz	16QAM	38000	1RB#74	21.46	22.00
Band38	15MHz	QPSK	38000	38RB#0	21.62	22.00
Band38	15MHz	16QAM	38000	38RB#0	21.61	22.00
Band38	15MHz	QPSK	38000	38RB#18	21.62	22.00
Band38	15MHz	16QAM	38000	38RB#18	21.61	22.00
Band38	15MHz	QPSK	38000	38RB#37	21.60	22.00
Band38	15MHz	16QAM	38000	38RB#37	21.61	22.00
Band38	15MHz	QPSK	38000	75RB#0	21.61	22.00
Band38	15MHz	16QAM	38000	75RB#0	20.64	21.00
Band38	15MHz	QPSK	38175	1RB#0	22.67	23.00
Band38	15MHz	16QAM	38175	1RB#0	21.78	22.00
Band38	15MHz	QPSK	38175	1RB#38	22.71	23.00
Band38	15MHz	16QAM	38175	1RB#38	21.83	22.00
Band38	15MHz	QPSK	38175	1RB#74	22.69	23.00
Band38	15MHz	16QAM	38175	1RB#74	21.85	22.00
Band38	15MHz	QPSK	38175	38RB#0	21.58	22.00
Band38	15MHz	16QAM	38175	38RB#0	21.56	22.00
Band38	15MHz	QPSK	38175	38RB#18	21.56	22.00
Band38	15MHz	16QAM	38175	38RB#18	21.56	22.00
Band38	15MHz	QPSK	38175	38RB#37	21.56	22.00
Band38	15MHz	16QAM	38175	38RB#37	21.56	22.00
Band38	15MHz	QPSK	38175	75RB#0	21.54	22.00

Band38	15MHz	16QAM	38175	75RB#0	20.63	21.00
Band38	20MHz	QPSK	37850	1RB#0	22.33	23.00
Band38	20MHz	16QAM	37850	1RB#0	21.39	22.00
Band38	20MHz	QPSK	37850	1RB#49	22.61	23.00
Band38	20MHz	16QAM	37850	1RB#49	21.64	22.00
Band38	20MHz	QPSK	37850	1RB#99	22.64	23.00
Band38	20MHz	16QAM	37850	1RB#99	21.64	22.00
Band38	20MHz	QPSK	37850	50RB#0	21.49	22.00
Band38	20MHz	16QAM	37850	50RB#0	20.49	21.00
Band38	20MHz	QPSK	37850	50RB#25	21.48	22.00
Band38	20MHz	16QAM	37850	50RB#25	20.49	21.00
Band38	20MHz	QPSK	37850	50RB#50	21.64	22.00
Band38	20MHz	16QAM	37850	50RB#50	20.63	21.00
Band38	20MHz	QPSK	37850	100RB#0	21.56	22.00
Band38	20MHz	16QAM	37850	100RB#0	20.55	21.00
Band38	20MHz	QPSK	38000	1RB#0	22.48	23.00
Band38	20MHz	16QAM	38000	1RB#0	21.16	22.00
Band38	20MHz	QPSK	38000	1RB#49	22.54	23.00
Band38	20MHz	16QAM	38000	1RB#49	21.20	22.00
Band38	20MHz	QPSK	38000	1RB#99	22.49	23.00
Band38	20MHz	16QAM	38000	1RB#99	21.18	22.00
Band38	20MHz	QPSK	38000	50RB#0	21.64	22.00
Band38	20MHz	16QAM	38000	50RB#0	20.66	21.00
Band38	20MHz	QPSK	38000	50RB#25	21.62	22.00
Band38	20MHz	16QAM	38000	50RB#25	20.66	21.00
Band38	20MHz	QPSK	38000	50RB#50	21.62	22.00
Band38	20MHz	16QAM	38000	50RB#50	20.68	21.00
Band38	20MHz	QPSK	38000	100RB#0	21.64	22.00
Band38	20MHz	16QAM	38000	100RB#0	20.62	21.00
Band38	20MHz	QPSK	38150	1RB#0	22.56	23.00
Band38	20MHz	16QAM	38150	1RB#0	21.58	22.00
Band38	20MHz	QPSK	38150	1RB#49	22.61	23.00
Band38	20MHz	16QAM	38150	1RB#49	21.66	22.00
Band38	20MHz	QPSK	38150	1RB#99	22.58	23.00
Band38	20MHz	16QAM	38150	1RB#99	21.62	22.00
Band38	20MHz	QPSK	38150	50RB#0	21.60	22.00
Band38	20MHz	16QAM	38150	50RB#0	20.60	21.00
Band38	20MHz	QPSK	38150	50RB#25	21.60	22.00
Band38	20MHz	16QAM	38150	50RB#25	20.61	21.00
Band38	20MHz	QPSK	38150	50RB#50	21.59	22.00
Band38	20MHz	16QAM	38150	50RB#50	20.59	21.00
Band38	20MHz	QPSK	38150	100RB#0	21.60	22.00
Band38	20MHz	16QAM	38150	100RB#0	20.57	21.00

7.1.17. Conducted Power Measurement Results(LTE Band 41)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune Up (dBm)
Band41	5MHz	QPSK	39675	1RB#0	21.11	22.00
Band41	5MHz	16QAM	39675	1RB#0	20.33	21.00
Band41	5MHz	QPSK	39675	1RB#12	21.09	22.00
Band41	5MHz	16QAM	39675	1RB#12	20.31	21.00
Band41	5MHz	QPSK	39675	1RB#24	21.10	22.00
Band41	5MHz	16QAM	39675	1RB#24	20.27	21.00
Band41	5MHz	QPSK	39675	12RB#0	20.01	21.00
Band41	5MHz	16QAM	39675	12RB#0	19.02	20.00
Band41	5MHz	QPSK	39675	12RB#6	20.05	21.00
Band41	5MHz	16QAM	39675	12RB#6	19.02	20.00
Band41	5MHz	QPSK	39675	12RB#13	19.99	20.00
Band41	5MHz	16QAM	39675	12RB#13	18.99	19.00
Band41	5MHz	QPSK	39675	25RB#0	20.06	21.00
Band41	5MHz	16QAM	39675	25RB#0	19.03	20.00
Band41	5MHz	QPSK	40620	1RB#0	21.71	22.00
Band41	5MHz	16QAM	40620	1RB#0	20.87	21.00
Band41	5MHz	QPSK	40620	1RB#12	21.70	22.00
Band41	5MHz	16QAM	40620	1RB#12	20.88	21.00
Band41	5MHz	QPSK	40620	1RB#24	21.74	22.00
Band41	5MHz	16QAM	40620	1RB#24	20.93	21.00
Band41	5MHz	QPSK	40620	12RB#0	20.60	21.00
Band41	5MHz	16QAM	40620	12RB#0	19.56	20.00
Band41	5MHz	QPSK	40620	12RB#6	20.58	21.00
Band41	5MHz	16QAM	40620	12RB#6	19.55	20.00
Band41	5MHz	QPSK	40620	12RB#13	20.54	21.00
Band41	5MHz	16QAM	40620	12RB#13	19.56	20.00
Band41	5MHz	QPSK	40620	25RB#0	20.59	21.00
Band41	5MHz	16QAM	40620	25RB#0	19.60	20.00
Band41	5MHz	QPSK	41565	1RB#0	21.17	22.00
Band41	5MHz	16QAM	41565	1RB#0	20.34	21.00
Band41	5MHz	QPSK	41565	1RB#12	21.19	22.00
Band41	5MHz	16QAM	41565	1RB#12	20.34	21.00
Band41	5MHz	QPSK	41565	1RB#24	21.22	22.00
Band41	5MHz	16QAM	41565	1RB#24	20.36	21.00
Band41	5MHz	QPSK	41565	12RB#0	20.10	21.00
Band41	5MHz	16QAM	41565	12RB#0	19.09	20.00
Band41	5MHz	QPSK	41565	12RB#6	20.10	21.00
Band41	5MHz	16QAM	41565	12RB#6	19.11	20.00
Band41	5MHz	QPSK	41565	12RB#13	20.11	21.00
Band41	5MHz	16QAM	41565	12RB#13	19.14	20.00
Band41	5MHz	QPSK	41565	25RB#0	20.18	21.00
Band41	5MHz	16QAM	41565	25RB#0	19.15	20.00
Band41	10MHz	QPSK	39700	1RB#0	21.13	22.00
Band41	10MHz	16QAM	39700	1RB#0	20.30	21.00
Band41	10MHz	QPSK	39700	1RB#24	21.08	22.00
Band41	10MHz	16QAM	39700	1RB#24	20.24	21.00
Band41	10MHz	QPSK	39700	1RB#49	21.01	22.00
Band41	10MHz	16QAM	39700	1RB#49	20.19	21.00
Band41	10MHz	QPSK	39700	25RB#0	20.05	21.00
Band41	10MHz	16QAM	39700	25RB#0	19.10	20.00
Band41	10MHz	QPSK	39700	25RB#12	20.05	21.00
Band41	10MHz	16QAM	39700	25RB#12	19.11	20.00
Band41	10MHz	QPSK	39700	25RB#25	20.01	21.00
Band41	10MHz	16QAM	39700	25RB#25	19.04	20.00
Band41	10MHz	QPSK	39700	50RB#0	20.04	21.00
Band41	10MHz	16QAM	39700	50RB#0	19.02	20.00
Band41	10MHz	QPSK	40620	1RB#0	21.66	22.00
Band41	10MHz	16QAM	40620	1RB#0	20.84	21.00
Band41	10MHz	QPSK	40620	1RB#24	21.67	22.00
Band41	10MHz	16QAM	40620	1RB#24	20.85	21.00

Band41	10MHz	QPSK	40620	1RB#49	21.68	22.00
Band41	10MHz	16QAM	40620	1RB#49	20.83	21.00
Band41	10MHz	QPSK	40620	25RB#0	20.64	21.00
Band41	10MHz	16QAM	40620	25RB#0	19.67	20.00
Band41	10MHz	QPSK	40620	25RB#12	20.63	21.00
Band41	10MHz	16QAM	40620	25RB#12	19.66	20.00
Band41	10MHz	QPSK	40620	25RB#25	20.62	21.00
Band41	10MHz	16QAM	40620	25RB#25	19.68	20.00
Band41	10MHz	QPSK	40620	50RB#0	20.60	21.00
Band41	10MHz	16QAM	40620	50RB#0	19.58	20.00
Band41	10MHz	QPSK	41540	1RB#0	21.15	22.00
Band41	10MHz	16QAM	41540	1RB#0	20.31	21.00
Band41	10MHz	QPSK	41540	1RB#24	21.18	22.00
Band41	10MHz	16QAM	41540	1RB#24	20.37	21.00
Band41	10MHz	QPSK	41540	1RB#49	21.19	22.00
Band41	10MHz	16QAM	41540	1RB#49	20.36	21.00
Band41	10MHz	QPSK	41540	25RB#0	20.13	21.00
Band41	10MHz	16QAM	41540	25RB#0	19.18	20.00
Band41	10MHz	QPSK	41540	25RB#12	20.14	21.00
Band41	10MHz	16QAM	41540	25RB#12	19.18	20.00
Band41	10MHz	QPSK	41540	25RB#25	20.19	21.00
Band41	10MHz	16QAM	41540	25RB#25	19.24	20.00
Band41	10MHz	QPSK	41540	50RB#0	20.13	21.00
Band41	10MHz	16QAM	41540	50RB#0	19.13	20.00
Band41	15MHz	QPSK	39725	1RB#0	21.13	22.00
Band41	15MHz	16QAM	39725	1RB#0	20.30	21.00
Band41	15MHz	QPSK	39725	1RB#38	21.07	22.00
Band41	15MHz	16QAM	39725	1RB#38	20.23	21.00
Band41	15MHz	QPSK	39725	1RB#74	21.03	22.00
Band41	15MHz	16QAM	39725	1RB#74	20.19	21.00
Band41	15MHz	QPSK	39725	38RB#0	20.03	21.00
Band41	15MHz	16QAM	39725	38RB#0	20.03	21.00
Band41	15MHz	QPSK	39725	38RB#18	20.03	21.00
Band41	15MHz	16QAM	39725	38RB#18	20.03	21.00
Band41	15MHz	QPSK	39725	38RB#37	20.02	21.00
Band41	15MHz	16QAM	39725	38RB#37	20.03	21.00
Band41	15MHz	QPSK	39725	75RB#0	20.02	21.00
Band41	15MHz	16QAM	39725	75RB#0	19.06	20.00
Band41	15MHz	QPSK	40620	1RB#0	21.68	22.00
Band41	15MHz	16QAM	40620	1RB#0	20.86	21.00
Band41	15MHz	QPSK	40620	1RB#38	21.74	22.00
Band41	15MHz	16QAM	40620	1RB#38	20.88	21.00
Band41	15MHz	QPSK	40620	1RB#74	21.72	22.00
Band41	15MHz	16QAM	40620	1RB#74	20.86	21.00
Band41	15MHz	QPSK	40620	38RB#0	20.65	21.00
Band41	15MHz	16QAM	40620	38RB#0	20.63	21.00
Band41	15MHz	QPSK	40620	38RB#18	20.62	21.00
Band41	15MHz	16QAM	40620	38RB#18	20.64	21.00
Band41	15MHz	QPSK	40620	38RB#37	20.66	21.00
Band41	15MHz	16QAM	40620	38RB#37	20.65	21.00
Band41	15MHz	QPSK	40620	75RB#0	20.66	21.00
Band41	15MHz	16QAM	40620	75RB#0	19.69	20.00
Band41	15MHz	QPSK	41515	1RB#0	21.16	22.00
Band41	15MHz	16QAM	41515	1RB#0	20.28	21.00
Band41	15MHz	QPSK	41515	1RB#38	21.23	22.00
Band41	15MHz	16QAM	41515	1RB#38	20.40	21.00
Band41	15MHz	QPSK	41515	1RB#74	21.25	22.00
Band41	15MHz	16QAM	41515	1RB#74	20.42	21.00
Band41	15MHz	QPSK	41515	38RB#0	20.18	21.00
Band41	15MHz	16QAM	41515	38RB#0	20.18	21.00
Band41	15MHz	QPSK	41515	38RB#18	20.18	21.00
Band41	15MHz	16QAM	41515	38RB#18	20.18	21.00
Band41	15MHz	QPSK	41515	38RB#37	20.18	21.00
Band41	15MHz	16QAM	41515	38RB#37	20.18	21.00
Band41	15MHz	QPSK	41515	75RB#0	20.17	21.00

Band41	15MHz	16QAM	41515	75RB#0	19.23	20.00
Band41	20MHz	QPSK	39750	1RB#0	21.11	22.00
Band41	20MHz	16QAM	39750	1RB#0	20.15	21.00
Band41	20MHz	QPSK	39750	1RB#49	21.06	22.00
Band41	20MHz	16QAM	39750	1RB#49	20.07	21.00
Band41	20MHz	QPSK	39750	1RB#99	21.05	22.00
Band41	20MHz	16QAM	39750	1RB#99	20.06	21.00
Band41	20MHz	QPSK	39750	50RB#0	20.07	21.00
Band41	20MHz	16QAM	39750	50RB#0	19.07	20.00
Band41	20MHz	QPSK	39750	50RB#25	20.06	21.00
Band41	20MHz	16QAM	39750	50RB#25	19.07	20.00
Band41	20MHz	QPSK	39750	50RB#50	20.04	21.00
Band41	20MHz	16QAM	39750	50RB#50	19.04	20.00
Band41	20MHz	QPSK	39750	100RB#0	20.08	21.00
Band41	20MHz	16QAM	39750	100RB#0	19.03	20.00
Band41	20MHz	QPSK	40620	1RB#0	21.65	22.00
Band41	20MHz	16QAM	40620	1RB#0	20.68	21.00
Band41	20MHz	QPSK	40620	1RB#49	21.73	22.00
Band41	20MHz	16QAM	40620	1RB#49	20.75	21.00
Band41	20MHz	QPSK	40620	1RB#99	21.67	22.00
Band41	20MHz	16QAM	40620	1RB#99	20.71	21.00
Band41	20MHz	QPSK	40620	50RB#0	20.70	21.00
Band41	20MHz	16QAM	40620	50RB#0	19.70	20.00
Band41	20MHz	QPSK	40620	50RB#25	20.68	21.00
Band41	20MHz	16QAM	40620	50RB#25	19.68	20.00
Band41	20MHz	QPSK	40620	50RB#50	20.70	21.00
Band41	20MHz	16QAM	40620	50RB#50	19.69	20.00
Band41	20MHz	QPSK	40620	100RB#0	20.70	21.00
Band41	20MHz	16QAM	40620	100RB#0	19.66	20.00
Band41	20MHz	QPSK	41490	1RB#0	21.11	22.00
Band41	20MHz	16QAM	41490	1RB#0	20.14	21.00
Band41	20MHz	QPSK	41490	1RB#49	21.16	22.00
Band41	20MHz	16QAM	41490	1RB#49	20.20	21.00
Band41	20MHz	QPSK	41490	1RB#99	21.20	22.00
Band41	20MHz	16QAM	41490	1RB#99	20.23	21.00
Band41	20MHz	QPSK	41490	50RB#0	20.19	21.00
Band41	20MHz	16QAM	41490	50RB#0	19.19	20.00
Band41	20MHz	QPSK	41490	50RB#25	20.18	21.00
Band41	20MHz	16QAM	41490	50RB#25	19.19	20.00
Band41	20MHz	QPSK	41490	50RB#50	20.24	21.00
Band41	20MHz	16QAM	41490	50RB#50	19.24	20.00
Band41	20MHz	QPSK	41490	100RB#0	20.20	21.00
Band41	20MHz	16QAM	41490	100RB#0	19.19	20.00

7.1.18. Conducted Power Measurement Results(LTE Band 66)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune Up (dBm)
Band66	1.4MHz	QPSK	131979	1RB#0	22.59	23.00
Band66	1.4MHz	16QAM	131979	1RB#0	21.59	22.00
Band66	1.4MHz	QPSK	131979	1RB#2	22.58	23.00
Band66	1.4MHz	16QAM	131979	1RB#2	21.56	22.00
Band66	1.4MHz	QPSK	131979	1RB#5	22.61	23.00
Band66	1.4MHz	16QAM	131979	1RB#5	21.54	22.00
Band66	1.4MHz	QPSK	131979	3RB#0	22.65	23.00
Band66	1.4MHz	16QAM	131979	3RB#0	21.52	22.00
Band66	1.4MHz	QPSK	131979	3RB#1	22.65	23.00
Band66	1.4MHz	16QAM	131979	3RB#1	21.44	22.00
Band66	1.4MHz	QPSK	131979	3RB#3	22.54	23.00
Band66	1.4MHz	16QAM	131979	3RB#3	21.40	22.00
Band66	1.4MHz	QPSK	131979	6RB#0	21.65	22.00
Band66	1.4MHz	16QAM	131979	6RB#0	20.63	21.00
Band66	1.4MHz	QPSK	132322	1RB#0	22.74	23.00
Band66	1.4MHz	16QAM	132322	1RB#0	21.57	22.00
Band66	1.4MHz	QPSK	132322	1RB#2	22.67	23.00
Band66	1.4MHz	16QAM	132322	1RB#2	21.60	22.00
Band66	1.4MHz	QPSK	132322	1RB#5	22.71	23.00
Band66	1.4MHz	16QAM	132322	1RB#5	21.56	22.00
Band66	1.4MHz	QPSK	132322	3RB#0	22.78	23.00
Band66	1.4MHz	16QAM	132322	3RB#0	21.60	22.00
Band66	1.4MHz	QPSK	132322	3RB#1	22.80	23.00
Band66	1.4MHz	16QAM	132322	3RB#1	21.57	22.00
Band66	1.4MHz	QPSK	132322	3RB#3	22.74	23.00
Band66	1.4MHz	16QAM	132322	3RB#3	21.56	22.00
Band66	1.4MHz	QPSK	132322	6RB#0	21.72	22.00
Band66	1.4MHz	16QAM	132322	6RB#0	20.56	21.00
Band66	1.4MHz	QPSK	132665	1RB#0	22.91	23.00
Band66	1.4MHz	16QAM	132665	1RB#0	21.87	22.00
Band66	1.4MHz	QPSK	132665	1RB#2	22.89	23.00
Band66	1.4MHz	16QAM	132665	1RB#2	21.93	22.00
Band66	1.4MHz	QPSK	132665	1RB#5	22.97	23.00
Band66	1.4MHz	16QAM	132665	1RB#5	21.92	22.00
Band66	1.4MHz	QPSK	132665	3RB#0	22.98	23.00
Band66	1.4MHz	16QAM	132665	3RB#0	21.81	22.00
Band66	1.4MHz	QPSK	132665	3RB#1	22.96	23.00
Band66	1.4MHz	16QAM	132665	3RB#1	21.82	22.00
Band66	1.4MHz	QPSK	132665	3RB#3	22.91	23.00
Band66	1.4MHz	16QAM	132665	3RB#3	21.79	22.00
Band66	1.4MHz	QPSK	132665	6RB#0	21.97	22.00
Band66	1.4MHz	16QAM	132665	6RB#0	20.98	21.00
Band66	3MHz	QPSK	131987	1RB#0	22.71	23.00
Band66	3MHz	16QAM	131987	1RB#0	21.73	22.00
Band66	3MHz	QPSK	131987	1RB#8	22.71	23.00
Band66	3MHz	16QAM	131987	1RB#8	21.69	22.00
Band66	3MHz	QPSK	131987	1RB#14	22.75	23.00
Band66	3MHz	16QAM	131987	1RB#14	21.72	22.00
Band66	3MHz	QPSK	131987	8RB#0	21.73	22.00
Band66	3MHz	16QAM	131987	8RB#0	20.73	21.00
Band66	3MHz	QPSK	131987	8RB#4	21.73	22.00
Band66	3MHz	16QAM	131987	8RB#4	20.76	21.00
Band66	3MHz	QPSK	131987	8RB#7	21.67	22.00
Band66	3MHz	16QAM	131987	8RB#7	20.69	21.00
Band66	3MHz	QPSK	131987	15RB#0	21.70	22.00
Band66	3MHz	16QAM	131987	15RB#0	20.70	21.00
Band66	3MHz	QPSK	132322	1RB#0	22.86	23.00
Band66	3MHz	16QAM	132322	1RB#0	21.72	22.00
Band66	3MHz	QPSK	132322	1RB#8	22.85	23.00
Band66	3MHz	16QAM	132322	1RB#8	21.68	22.00
Band66	3MHz	QPSK	132322	1RB#14	22.80	23.00
Band66	3MHz	16QAM	132322	1RB#14	21.64	22.00

Band66	3MHz	QPSK	132322	8RB#0	21.88	22.00
Band66	3MHz	16QAM	132322	8RB#0	20.85	21.00
Band66	3MHz	QPSK	132322	8RB#4	21.89	22.00
Band66	3MHz	16QAM	132322	8RB#4	20.82	21.00
Band66	3MHz	QPSK	132322	8RB#7	21.79	22.00
Band66	3MHz	16QAM	132322	8RB#7	20.79	21.00
Band66	3MHz	QPSK	132322	15RB#0	21.83	22.00
Band66	3MHz	16QAM	132322	15RB#0	20.69	21.00
Band66	3MHz	QPSK	132657	1RB#0	23.00	24.00
Band66	3MHz	16QAM	132657	1RB#0	22.05	23.00
Band66	3MHz	QPSK	132657	1RB#8	23.00	24.00
Band66	3MHz	16QAM	132657	1RB#8	21.94	22.00
Band66	3MHz	QPSK	132657	1RB#14	23.14	24.00
Band66	3MHz	16QAM	132657	1RB#14	22.05	23.00
Band66	3MHz	QPSK	132657	8RB#0	22.05	23.00
Band66	3MHz	16QAM	132657	8RB#0	21.06	22.00
Band66	3MHz	QPSK	132657	8RB#4	22.01	23.00
Band66	3MHz	16QAM	132657	8RB#4	21.05	22.00
Band66	3MHz	QPSK	132657	8RB#7	22.02	23.00
Band66	3MHz	16QAM	132657	8RB#7	21.07	22.00
Band66	3MHz	QPSK	132657	15RB#0	22.05	23.00
Band66	3MHz	16QAM	132657	15RB#0	21.08	22.00
Band66	5MHz	QPSK	131997	1RB#0	23.03	24.00
Band66	5MHz	16QAM	131997	1RB#0	21.75	22.00
Band66	5MHz	QPSK	131997	1RB#12	22.96	23.00
Band66	5MHz	16QAM	131997	1RB#12	21.71	22.00
Band66	5MHz	QPSK	131997	1RB#24	22.87	23.00
Band66	5MHz	16QAM	131997	1RB#24	21.72	22.00
Band66	5MHz	QPSK	131997	12RB#0	21.78	22.00
Band66	5MHz	16QAM	131997	12RB#0	20.79	21.00
Band66	5MHz	QPSK	131997	12RB#6	21.78	22.00
Band66	5MHz	16QAM	131997	12RB#6	20.81	21.00
Band66	5MHz	QPSK	131997	12RB#13	21.75	22.00
Band66	5MHz	16QAM	131997	12RB#13	20.75	21.00
Band66	5MHz	QPSK	131997	25RB#0	21.83	22.00
Band66	5MHz	16QAM	131997	25RB#0	20.81	21.00
Band66	5MHz	QPSK	132322	1RB#0	22.93	23.00
Band66	5MHz	16QAM	132322	1RB#0	21.98	22.00
Band66	5MHz	QPSK	132322	1RB#12	22.94	23.00
Band66	5MHz	16QAM	132322	1RB#12	21.95	22.00
Band66	5MHz	QPSK	132322	1RB#24	22.93	23.00
Band66	5MHz	16QAM	132322	1RB#24	21.96	22.00
Band66	5MHz	QPSK	132322	12RB#0	21.94	22.00
Band66	5MHz	16QAM	132322	12RB#0	21.02	22.00
Band66	5MHz	QPSK	132322	12RB#6	21.92	22.00
Band66	5MHz	16QAM	132322	12RB#6	21.02	22.00
Band66	5MHz	QPSK	132322	12RB#13	21.86	22.00
Band66	5MHz	16QAM	132322	12RB#13	20.93	21.00
Band66	5MHz	QPSK	132322	25RB#0	21.94	22.00
Band66	5MHz	16QAM	132322	25RB#0	20.90	21.00
Band66	5MHz	QPSK	132647	1RB#0	23.26	24.00
Band66	5MHz	16QAM	132647	1RB#0	22.03	23.00
Band66	5MHz	QPSK	132647	1RB#12	23.17	24.00
Band66	5MHz	16QAM	132647	1RB#12	22.04	23.00
Band66	5MHz	QPSK	132647	1RB#24	23.28	24.00
Band66	5MHz	16QAM	132647	1RB#24	22.17	23.00
Band66	5MHz	QPSK	132647	12RB#0	22.10	23.00
Band66	5MHz	16QAM	132647	12RB#0	21.09	22.00
Band66	5MHz	QPSK	132647	12RB#6	22.10	23.00
Band66	5MHz	16QAM	132647	12RB#6	21.11	22.00
Band66	5MHz	QPSK	132647	12RB#13	22.09	23.00
Band66	5MHz	16QAM	132647	12RB#13	21.10	22.00
Band66	5MHz	QPSK	132647	25RB#0	22.11	23.00
Band66	5MHz	16QAM	132647	25RB#0	21.11	22.00
Band66	10MHz	QPSK	132022	1RB#0	22.92	23.00

Band66	10MHz	16QAM	132022	1RB#0	21.92	22.00
Band66	10MHz	QPSK	132022	1RB#24	22.80	23.00
Band66	10MHz	16QAM	132022	1RB#24	21.67	22.00
Band66	10MHz	QPSK	132022	1RB#49	22.77	23.00
Band66	10MHz	16QAM	132022	1RB#49	21.84	22.00
Band66	10MHz	QPSK	132022	25RB#0	21.81	22.00
Band66	10MHz	16QAM	132022	25RB#0	20.77	21.00
Band66	10MHz	QPSK	132022	25RB#12	21.81	22.00
Band66	10MHz	16QAM	132022	25RB#12	20.76	21.00
Band66	10MHz	QPSK	132022	25RB#25	21.80	22.00
Band66	10MHz	16QAM	132022	25RB#25	20.76	21.00
Band66	10MHz	QPSK	132022	50RB#0	21.79	22.00
Band66	10MHz	16QAM	132022	50RB#0	20.75	21.00
Band66	10MHz	QPSK	132322	1RB#0	22.99	23.00
Band66	10MHz	16QAM	132322	1RB#0	21.89	22.00
Band66	10MHz	QPSK	132322	1RB#24	22.92	23.00
Band66	10MHz	16QAM	132322	1RB#24	21.83	22.00
Band66	10MHz	QPSK	132322	1RB#49	22.95	23.00
Band66	10MHz	16QAM	132322	1RB#49	21.80	22.00
Band66	10MHz	QPSK	132322	25RB#0	22.01	23.00
Band66	10MHz	16QAM	132322	25RB#0	21.00	22.00
Band66	10MHz	QPSK	132322	25RB#12	22.02	23.00
Band66	10MHz	16QAM	132322	25RB#12	20.99	21.00
Band66	10MHz	QPSK	132322	25RB#25	21.93	22.00
Band66	10MHz	16QAM	132322	25RB#25	20.90	21.00
Band66	10MHz	QPSK	132322	50RB#0	21.96	22.00
Band66	10MHz	16QAM	132322	50RB#0	20.93	21.00
Band66	10MHz	QPSK	132622	1RB#0	23.18	24.00
Band66	10MHz	16QAM	132622	1RB#0	22.08	23.00
Band66	10MHz	QPSK	132622	1RB#24	23.16	24.00
Band66	10MHz	16QAM	132622	1RB#24	22.16	23.00
Band66	10MHz	QPSK	132622	1RB#49	23.18	24.00
Band66	10MHz	16QAM	132622	1RB#49	22.26	23.00
Band66	10MHz	QPSK	132622	25RB#0	22.17	23.00
Band66	10MHz	16QAM	132622	25RB#0	21.13	22.00
Band66	10MHz	QPSK	132622	25RB#12	22.14	23.00
Band66	10MHz	16QAM	132622	25RB#12	21.13	22.00
Band66	10MHz	QPSK	132622	25RB#25	22.13	23.00
Band66	10MHz	16QAM	132622	25RB#25	21.08	22.00
Band66	10MHz	QPSK	132622	50RB#0	22.14	23.00
Band66	10MHz	16QAM	132622	50RB#0	21.13	22.00
Band66	15MHz	QPSK	132047	1RB#0	22.88	23.00
Band66	15MHz	16QAM	132047	1RB#0	21.79	22.00
Band66	15MHz	QPSK	132047	1RB#38	22.77	23.00
Band66	15MHz	16QAM	132047	1RB#38	21.75	22.00
Band66	15MHz	QPSK	132047	1RB#74	22.82	23.00
Band66	15MHz	16QAM	132047	1RB#74	21.92	22.00
Band66	15MHz	QPSK	132047	38RB#0	21.78	22.00
Band66	15MHz	16QAM	132047	38RB#0	21.77	22.00
Band66	15MHz	QPSK	132047	38RB#18	21.78	22.00
Band66	15MHz	16QAM	132047	38RB#18	21.79	22.00
Band66	15MHz	QPSK	132047	38RB#37	21.81	22.00
Band66	15MHz	16QAM	132047	38RB#37	21.80	22.00
Band66	15MHz	QPSK	132047	75RB#0	21.80	22.00
Band66	15MHz	16QAM	132047	75RB#0	20.75	21.00
Band66	15MHz	QPSK	132322	1RB#0	22.98	23.00
Band66	15MHz	16QAM	132322	1RB#0	22.06	23.00
Band66	15MHz	QPSK	132322	1RB#38	22.91	23.00
Band66	15MHz	16QAM	132322	1RB#38	22.05	23.00
Band66	15MHz	QPSK	132322	1RB#74	22.86	23.00
Band66	15MHz	16QAM	132322	1RB#74	22.02	23.00
Band66	15MHz	QPSK	132322	38RB#0	21.93	22.00
Band66	15MHz	16QAM	132322	38RB#0	21.93	22.00
Band66	15MHz	QPSK	132322	38RB#18	21.92	22.00
Band66	15MHz	16QAM	132322	38RB#18	21.94	22.00

Band66	15MHz	QPSK	132322	38RB#37	21.95	22.00
Band66	15MHz	16QAM	132322	38RB#37	21.94	22.00
Band66	15MHz	QPSK	132322	75RB#0	21.94	22.00
Band66	15MHz	16QAM	132322	75RB#0	20.95	21.00
Band66	15MHz	QPSK	132597	1RB#0	23.10	24.00
Band66	15MHz	16QAM	132597	1RB#0	22.11	23.00
Band66	15MHz	QPSK	132597	1RB#38	23.25	24.00
Band66	15MHz	16QAM	132597	1RB#38	22.22	23.00
Band66	15MHz	QPSK	132597	1RB#74	23.26	24.00
Band66	15MHz	16QAM	132597	1RB#74	22.18	23.00
Band66	15MHz	QPSK	132597	38RB#0	22.14	23.00
Band66	15MHz	16QAM	132597	38RB#0	22.12	23.00
Band66	15MHz	QPSK	132597	38RB#18	22.13	23.00
Band66	15MHz	16QAM	132597	38RB#18	22.12	23.00
Band66	15MHz	QPSK	132597	38RB#37	22.13	23.00
Band66	15MHz	16QAM	132597	38RB#37	22.15	23.00
Band66	15MHz	QPSK	132597	75RB#0	22.13	23.00
Band66	15MHz	16QAM	132597	75RB#0	21.10	22.00
Band66	20MHz	QPSK	132072	1RB#0	22.99	23.00
Band66	20MHz	16QAM	132072	1RB#0	21.84	22.00
Band66	20MHz	QPSK	132072	1RB#49	22.95	23.00
Band66	20MHz	16QAM	132072	1RB#49	21.82	22.00
Band66	20MHz	QPSK	132072	1RB#99	23.10	24.00
Band66	20MHz	16QAM	132072	1RB#99	21.95	22.00
Band66	20MHz	QPSK	132072	50RB#0	21.89	22.00
Band66	20MHz	16QAM	132072	50RB#0	20.87	21.00
Band66	20MHz	QPSK	132072	50RB#25	21.88	22.00
Band66	20MHz	16QAM	132072	50RB#25	20.87	21.00
Band66	20MHz	QPSK	132072	50RB#50	21.94	22.00
Band66	20MHz	16QAM	132072	50RB#50	20.94	21.00
Band66	20MHz	QPSK	132072	100RB#0	21.92	22.00
Band66	20MHz	16QAM	132072	100RB#0	20.89	21.00
Band66	20MHz	QPSK	132322	1RB#0	23.13	24.00
Band66	20MHz	16QAM	132322	1RB#0	22.33	23.00
Band66	20MHz	QPSK	132322	1RB#49	23.04	24.00
Band66	20MHz	16QAM	132322	1RB#49	22.24	23.00
Band66	20MHz	QPSK	132322	1RB#99	22.98	23.00
Band66	20MHz	16QAM	132322	1RB#99	22.15	23.00
Band66	20MHz	QPSK	132322	50RB#0	22.10	23.00
Band66	20MHz	16QAM	132322	50RB#0	21.11	22.00
Band66	20MHz	QPSK	132322	50RB#25	22.10	23.00
Band66	20MHz	16QAM	132322	50RB#25	21.12	22.00
Band66	20MHz	QPSK	132322	50RB#50	21.97	22.00
Band66	20MHz	16QAM	132322	50RB#50	20.94	21.00
Band66	20MHz	QPSK	132322	100RB#0	22.00	23.00
Band66	20MHz	16QAM	132322	100RB#0	21.00	22.00
Band66	20MHz	QPSK	132572	1RB#0	23.09	24.00
Band66	20MHz	16QAM	132572	1RB#0	22.02	23.00
Band66	20MHz	QPSK	132572	1RB#49	23.15	24.00
Band66	20MHz	16QAM	132572	1RB#49	22.05	23.00
Band66	20MHz	QPSK	132572	1RB#99	23.26	24.00
Band66	20MHz	16QAM	132572	1RB#99	22.08	23.00
Band66	20MHz	QPSK	132572	50RB#0	22.10	23.00
Band66	20MHz	16QAM	132572	50RB#0	21.08	22.00
Band66	20MHz	QPSK	132572	50RB#25	22.08	23.00
Band66	20MHz	16QAM	132572	50RB#25	21.06	22.00
Band66	20MHz	QPSK	132572	50RB#50	22.16	23.00
Band66	20MHz	16QAM	132572	50RB#50	21.16	22.00
Band66	20MHz	QPSK	132572	100RB#0	22.13	23.00
Band66	20MHz	16QAM	132572	100RB#0	21.11	22.00

7.1.19. Conducted Power Measurement Results(LTE Band 71)

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Tune Up (dBm)
Band71	5MHz	QPSK	133147	1RB#0	24.59	25.00
Band71	5MHz	16QAM	133147	1RB#0	23.42	24.00
Band71	5MHz	QPSK	133147	1RB#12	24.60	25.00
Band71	5MHz	16QAM	133147	1RB#12	23.44	24.00
Band71	5MHz	QPSK	133147	1RB#24	24.75	25.00
Band71	5MHz	16QAM	133147	1RB#24	23.59	24.00
Band71	5MHz	QPSK	133147	12RB#0	23.43	24.00
Band71	5MHz	16QAM	133147	12RB#0	22.45	23.00
Band71	5MHz	QPSK	133147	12RB#6	23.43	24.00
Band71	5MHz	16QAM	133147	12RB#6	22.45	23.00
Band71	5MHz	QPSK	133147	12RB#13	23.55	24.00
Band71	5MHz	16QAM	133147	12RB#13	22.55	23.00
Band71	5MHz	QPSK	133147	25RB#0	23.52	24.00
Band71	5MHz	16QAM	133147	25RB#0	22.54	23.00
Band71	5MHz	QPSK	133297	1RB#0	24.72	25.00
Band71	5MHz	16QAM	133297	1RB#0	23.77	24.00
Band71	5MHz	QPSK	133297	1RB#12	24.71	25.00
Band71	5MHz	16QAM	133297	1RB#12	23.75	24.00
Band71	5MHz	QPSK	133297	1RB#24	24.71	25.00
Band71	5MHz	16QAM	133297	1RB#24	23.76	24.00
Band71	5MHz	QPSK	133297	12RB#0	23.72	24.00
Band71	5MHz	16QAM	133297	12RB#0	22.78	23.00
Band71	5MHz	QPSK	133297	12RB#6	23.71	24.00
Band71	5MHz	16QAM	133297	12RB#6	22.77	23.00
Band71	5MHz	QPSK	133297	12RB#13	23.66	24.00
Band71	5MHz	16QAM	133297	12RB#13	22.72	23.00
Band71	5MHz	QPSK	133297	25RB#0	23.71	24.00
Band71	5MHz	16QAM	133297	25RB#0	22.63	23.00
Band71	5MHz	QPSK	133447	1RB#0	24.59	25.00
Band71	5MHz	16QAM	133447	1RB#0	23.46	24.00
Band71	5MHz	QPSK	133447	1RB#12	24.59	25.00
Band71	5MHz	16QAM	133447	1RB#12	23.44	24.00
Band71	5MHz	QPSK	133447	1RB#24	24.67	25.00
Band71	5MHz	16QAM	133447	1RB#24	23.51	24.00
Band71	5MHz	QPSK	133447	12RB#0	23.47	24.00
Band71	5MHz	16QAM	133447	12RB#0	22.51	23.00
Band71	5MHz	QPSK	133447	12RB#6	23.45	24.00
Band71	5MHz	16QAM	133447	12RB#6	22.49	23.00
Band71	5MHz	QPSK	133447	12RB#13	23.57	24.00
Band71	5MHz	16QAM	133447	12RB#13	22.62	23.00
Band71	5MHz	QPSK	133447	25RB#0	23.54	24.00
Band71	5MHz	16QAM	133447	25RB#0	22.60	23.00
Band71	10MHz	QPSK	133172	1RB#0	24.25	25.00
Band71	10MHz	16QAM	133172	1RB#0	23.04	24.00
Band71	10MHz	QPSK	133172	1RB#24	24.40	25.00
Band71	10MHz	16QAM	133172	1RB#24	23.18	24.00
Band71	10MHz	QPSK	133172	1RB#49	24.51	25.00
Band71	10MHz	16QAM	133172	1RB#49	23.28	24.00
Band71	10MHz	QPSK	133172	25RB#0	23.28	24.00
Band71	10MHz	16QAM	133172	25RB#0	22.27	23.00
Band71	10MHz	QPSK	133172	25RB#12	23.26	24.00
Band71	10MHz	16QAM	133172	25RB#12	22.26	23.00
Band71	10MHz	QPSK	133172	25RB#25	23.52	24.00
Band71	10MHz	16QAM	133172	25RB#25	22.51	23.00
Band71	10MHz	QPSK	133172	50RB#0	23.38	24.00
Band71	10MHz	16QAM	133172	50RB#0	22.36	23.00
Band71	10MHz	QPSK	133297	1RB#0	24.58	25.00
Band71	10MHz	16QAM	133297	1RB#0	23.55	24.00
Band71	10MHz	QPSK	133297	1RB#24	24.56	25.00
Band71	10MHz	16QAM	133297	1RB#24	23.57	24.00

Band71	10MHz	QPSK	133297	1RB#49	24.45	25.00
Band71	10MHz	16QAM	133297	1RB#49	23.44	24.00
Band71	10MHz	QPSK	133297	25RB#0	23.56	24.00
Band71	10MHz	16QAM	133297	25RB#0	22.50	23.00
Band71	10MHz	QPSK	133297	25RB#12	23.56	24.00
Band71	10MHz	16QAM	133297	25RB#12	22.50	23.00
Band71	10MHz	QPSK	133297	25RB#25	23.46	24.00
Band71	10MHz	16QAM	133297	25RB#25	22.40	23.00
Band71	10MHz	QPSK	133297	50RB#0	23.48	24.00
Band71	10MHz	16QAM	133297	50RB#0	22.46	23.00
Band71	10MHz	QPSK	133422	1RB#0	24.41	25.00
Band71	10MHz	16QAM	133422	1RB#0	23.28	24.00
Band71	10MHz	QPSK	133422	1RB#24	24.36	25.00
Band71	10MHz	16QAM	133422	1RB#24	23.22	24.00
Band71	10MHz	QPSK	133422	1RB#49	24.44	25.00
Band71	10MHz	16QAM	133422	1RB#49	23.28	24.00
Band71	10MHz	QPSK	133422	25RB#0	23.37	24.00
Band71	10MHz	16QAM	133422	25RB#0	22.38	23.00
Band71	10MHz	QPSK	133422	25RB#12	23.38	24.00
Band71	10MHz	16QAM	133422	25RB#12	22.38	23.00
Band71	10MHz	QPSK	133422	25RB#25	23.42	24.00
Band71	10MHz	16QAM	133422	25RB#25	22.39	23.00
Band71	10MHz	QPSK	133422	50RB#0	23.40	24.00
Band71	10MHz	16QAM	133422	50RB#0	22.40	23.00
Band71	15MHz	QPSK	133197	1RB#0	24.22	25.00
Band71	15MHz	16QAM	133197	1RB#0	23.21	24.00
Band71	15MHz	QPSK	133197	1RB#38	24.48	25.00
Band71	15MHz	16QAM	133197	1RB#38	23.46	24.00
Band71	15MHz	QPSK	133197	1RB#74	24.51	25.00
Band71	15MHz	16QAM	133197	1RB#74	23.49	24.00
Band71	15MHz	QPSK	133197	38RB#0	23.25	24.00
Band71	15MHz	16QAM	133197	38RB#0	23.19	24.00
Band71	15MHz	QPSK	133197	38RB#18	23.41	24.00
Band71	15MHz	16QAM	133197	38RB#18	23.42	24.00
Band71	15MHz	QPSK	133197	38RB#37	23.48	24.00
Band71	15MHz	16QAM	133197	38RB#37	23.47	24.00
Band71	15MHz	QPSK	133197	75RB#0	23.38	24.00
Band71	15MHz	16QAM	133197	75RB#0	22.32	23.00
Band71	15MHz	QPSK	133297	1RB#0	24.42	25.00
Band71	15MHz	16QAM	133297	1RB#0	23.60	24.00
Band71	15MHz	QPSK	133297	1RB#38	24.31	25.00
Band71	15MHz	16QAM	133297	1RB#38	23.47	24.00
Band71	15MHz	QPSK	133297	1RB#74	24.26	25.00
Band71	15MHz	16QAM	133297	1RB#74	23.47	24.00
Band71	15MHz	QPSK	133297	38RB#0	23.53	24.00
Band71	15MHz	16QAM	133297	38RB#0	23.61	24.00
Band71	15MHz	QPSK	133297	38RB#18	23.54	24.00
Band71	15MHz	16QAM	133297	38RB#18	23.57	24.00
Band71	15MHz	QPSK	133297	38RB#37	23.44	24.00
Band71	15MHz	16QAM	133297	38RB#37	23.42	24.00
Band71	15MHz	QPSK	133297	75RB#0	23.41	24.00
Band71	15MHz	16QAM	133297	75RB#0	22.38	23.00
Band71	15MHz	QPSK	133397	1RB#0	24.35	25.00
Band71	15MHz	16QAM	133397	1RB#0	23.13	24.00
Band71	15MHz	QPSK	133397	1RB#38	24.30	25.00
Band71	15MHz	16QAM	133397	1RB#38	23.08	24.00
Band71	15MHz	QPSK	133397	1RB#74	24.24	25.00
Band71	15MHz	16QAM	133397	1RB#74	22.96	23.00
Band71	15MHz	QPSK	133397	38RB#0	23.19	24.00
Band71	15MHz	16QAM	133397	38RB#0	23.18	24.00
Band71	20MHz	QPSK	133222	1RB#0	24.31	25.00
Band71	20MHz	16QAM	133222	1RB#0	23.56	24.00
Band71	20MHz	QPSK	133222	1RB#49	24.60	25.00
Band71	20MHz	16QAM	133222	1RB#49	23.80	24.00
Band71	20MHz	QPSK	133222	1RB#99	24.49	25.00

Band71	20MHz	16QAM	133222	1RB#99	23.69	24.00
Band71	15MHz	QPSK	133397	38RB#18	23.09	24.00
Band71	15MHz	16QAM	133397	38RB#18	23.05	24.00
Band71	15MHz	QPSK	133397	38RB#37	22.99	23.00
Band71	15MHz	16QAM	133397	38RB#37	22.99	23.00
Band71	15MHz	QPSK	133397	75RB#0	23.27	24.00
Band71	15MHz	16QAM	133397	75RB#0	22.33	23.00
Band71	20MHz	QPSK	133222	50RB#0	23.39	24.00
Band71	20MHz	16QAM	133222	50RB#0	22.39	23.00
Band71	20MHz	QPSK	133222	50RB#25	23.39	24.00
Band71	20MHz	16QAM	133222	50RB#25	22.40	23.00
Band71	20MHz	QPSK	133222	50RB#50	23.52	24.00
Band71	20MHz	16QAM	133222	50RB#50	22.50	23.00
Band71	20MHz	QPSK	133222	100RB#0	23.47	24.00
Band71	20MHz	16QAM	133222	100RB#0	22.43	23.00
Band71	20MHz	QPSK	133322	1RB#0	24.59	25.00
Band71	20MHz	16QAM	133322	1RB#0	23.45	24.00
Band71	20MHz	QPSK	133322	1RB#49	24.43	25.00
Band71	20MHz	16QAM	133322	1RB#49	23.29	24.00
Band71	20MHz	QPSK	133322	1RB#99	24.34	25.00
Band71	20MHz	16QAM	133322	1RB#99	23.18	24.00
Band71	20MHz	QPSK	133322	50RB#0	23.62	24.00
Band71	20MHz	16QAM	133322	50RB#0	22.67	23.00
Band71	20MHz	QPSK	133322	50RB#25	23.61	24.00
Band71	20MHz	16QAM	133322	50RB#25	22.66	23.00
Band71	20MHz	QPSK	133322	50RB#50	23.38	24.00
Band71	20MHz	16QAM	133322	50RB#50	22.42	23.00
Band71	20MHz	QPSK	133322	100RB#0	23.45	24.00
Band71	20MHz	16QAM	133322	100RB#0	22.44	23.00
Band71	20MHz	QPSK	133372	1RB#0	24.68	25.00
Band71	20MHz	16QAM	133372	1RB#0	23.57	24.00
Band71	20MHz	QPSK	133372	1RB#49	24.52	25.00
Band71	20MHz	16QAM	133372	1RB#49	23.34	24.00
Band71	20MHz	QPSK	133372	1RB#99	24.43	25.00
Band71	20MHz	16QAM	133372	1RB#99	23.32	24.00
Band71	20MHz	QPSK	133372	50RB#0	23.59	24.00
Band71	20MHz	16QAM	133372	50RB#0	22.59	23.00
Band71	20MHz	QPSK	133372	50RB#25	23.59	24.00
Band71	20MHz	16QAM	133372	50RB#25	22.60	23.00
Band71	20MHz	QPSK	133372	50RB#50	23.47	24.00
Band71	20MHz	16QAM	133372	50RB#50	22.44	23.00
Band71	20MHz	QPSK	133372	100RB#0	23.57	24.00
Band71	20MHz	16QAM	133372	100RB#0	22.56	23.00

7.1.20. Conducted Power Measurement Results(5G NR Band 2)

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	Tune Up (dBm)
n2	5MHz	15kHz	386500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.42	22.00
n2	5MHz	15kHz	386500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.32	22.00
n2	5MHz	15kHz	386500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.53	22.00
n2	5MHz	15kHz	386500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.93	21.00
n2	5MHz	15kHz	386500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.86	21.00
n2	5MHz	15kHz	386500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.03	22.00
n2	5MHz	15kHz	386500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.41	22.00
n2	5MHz	15kHz	386500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.35	22.00
n2	5MHz	15kHz	386500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.51	22.00
n2	5MHz	15kHz	386500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.44	21.00
n2	5MHz	15kHz	386500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.38	21.00
n2	5MHz	15kHz	386500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.57	21.00
n2	5MHz	15kHz	386500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.57	21.00
n2	5MHz	15kHz	386500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.48	21.00
n2	5MHz	15kHz	386500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.46	21.00
n2	5MHz	15kHz	386500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.05	20.00
n2	5MHz	15kHz	386500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.84	19.00
n2	5MHz	15kHz	386500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.05	20.00
n2	5MHz	15kHz	386500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.91	17.00
n2	5MHz	15kHz	386500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.75	17.00
n2	5MHz	15kHz	386500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.02	18.00
n2	5MHz	15kHz	386500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.84	20.00
n2	5MHz	15kHz	386500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.77	20.00
n2	5MHz	15kHz	386500	24	CP-OFDM QPSK^Inner_Full:PC3	20.01	21.00
n2	5MHz	15kHz	386500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.56	20.00
n2	5MHz	15kHz	386500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.45	20.00
n2	5MHz	15kHz	386500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.47	20.00
n2	5MHz	15kHz	386500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.09	19.00
n2	5MHz	15kHz	386500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.91	18.00
n2	5MHz	15kHz	386500	30	CP-OFDM 64QAM^Inner_Full:PC3	17.98	18.00
n2	5MHz	15kHz	386500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.98	15.00
n2	5MHz	15kHz	386500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.92	15.00
n2	5MHz	15kHz	386500	33	CP-OFDM 256QAM^Inner_Full:PC3	14.93	15.00
n2	5MHz	15kHz	392000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.58	22.00
n2	5MHz	15kHz	392000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.55	22.00
n2	5MHz	15kHz	392000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.65	22.00
n2	5MHz	15kHz	392000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.08	22.00
n2	5MHz	15kHz	392000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.03	22.00
n2	5MHz	15kHz	392000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.19	22.00
n2	5MHz	15kHz	392000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.59	22.00
n2	5MHz	15kHz	392000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.48	22.00
n2	5MHz	15kHz	392000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.69	22.00
n2	5MHz	15kHz	392000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.60	21.00
n2	5MHz	15kHz	392000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.56	21.00
n2	5MHz	15kHz	392000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.72	21.00
n2	5MHz	15kHz	392000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.75	21.00
n2	5MHz	15kHz	392000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.68	21.00
n2	5MHz	15kHz	392000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.61	21.00
n2	5MHz	15kHz	392000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.18	20.00
n2	5MHz	15kHz	392000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.20	20.00
n2	5MHz	15kHz	392000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.21	20.00
n2	5MHz	15kHz	392000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.09	18.00
n2	5MHz	15kHz	392000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.14	18.00
n2	5MHz	15kHz	392000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.26	18.00
n2	5MHz	15kHz	392000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.95	20.00
n2	5MHz	15kHz	392000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.90	20.00
n2	5MHz	15kHz	392000	24	CP-OFDM QPSK^Inner_Full:PC3	20.11	21.00
n2	5MHz	15kHz	392000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.66	20.00
n2	5MHz	15kHz	392000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.59	20.00
n2	5MHz	15kHz	392000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.60	20.00
n2	5MHz	15kHz	392000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.23	19.00
n2	5MHz	15kHz	392000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.24	19.00
n2	5MHz	15kHz	392000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.25	19.00
n2	5MHz	15kHz	392000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.22	16.00

n2	5MHz	15kHz	392000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.23	16.00
n2	5MHz	15kHz	392000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.21	16.00
n2	5MHz	15kHz	397500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.57	22.00
n2	5MHz	15kHz	397500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.60	22.00
n2	5MHz	15kHz	397500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.69	22.00
n2	5MHz	15kHz	397500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.10	22.00
n2	5MHz	15kHz	397500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.11	22.00
n2	5MHz	15kHz	397500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.20	22.00
n2	5MHz	15kHz	397500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.54	22.00
n2	5MHz	15kHz	397500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.56	22.00
n2	5MHz	15kHz	397500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.74	22.00
n2	5MHz	15kHz	397500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.58	21.00
n2	5MHz	15kHz	397500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.61	21.00
n2	5MHz	15kHz	397500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.73	21.00
n2	5MHz	15kHz	397500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.78	21.00
n2	5MHz	15kHz	397500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.78	21.00
n2	5MHz	15kHz	397500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.67	21.00
n2	5MHz	15kHz	397500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.28	20.00
n2	5MHz	15kHz	397500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.36	20.00
n2	5MHz	15kHz	397500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.23	20.00
n2	5MHz	15kHz	397500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.99	17.00
n2	5MHz	15kHz	397500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.15	18.00
n2	5MHz	15kHz	397500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.17	18.00
n2	5MHz	15kHz	397500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.96	20.00
n2	5MHz	15kHz	397500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.95	20.00
n2	5MHz	15kHz	397500	24	CP-OFDM QPSK^Inner_Full:PC3	20.12	21.00
n2	5MHz	15kHz	397500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.68	20.00
n2	5MHz	15kHz	397500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.67	20.00
n2	5MHz	15kHz	397500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.62	20.00
n2	5MHz	15kHz	397500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.13	19.00
n2	5MHz	15kHz	397500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.14	19.00
n2	5MHz	15kHz	397500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.12	19.00
n2	5MHz	15kHz	397500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.09	16.00
n2	5MHz	15kHz	397500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.18	16.00
n2	5MHz	15kHz	397500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.04	16.00
n2	10MHz	15kHz	387000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.65	22.00
n2	10MHz	15kHz	387000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.54	22.00
n2	10MHz	15kHz	387000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.62	22.00
n2	10MHz	15kHz	387000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.15	22.00
n2	10MHz	15kHz	387000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.06	22.00
n2	10MHz	15kHz	387000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.13	22.00
n2	10MHz	15kHz	387000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.64	22.00
n2	10MHz	15kHz	387000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.49	22.00
n2	10MHz	15kHz	387000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.61	22.00
n2	10MHz	15kHz	387000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.66	21.00
n2	10MHz	15kHz	387000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.51	21.00
n2	10MHz	15kHz	387000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.67	21.00
n2	10MHz	15kHz	387000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.77	21.00
n2	10MHz	15kHz	387000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.72	21.00
n2	10MHz	15kHz	387000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.61	21.00
n2	10MHz	15kHz	387000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.35	20.00
n2	10MHz	15kHz	387000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.23	20.00
n2	10MHz	15kHz	387000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.17	20.00
n2	10MHz	15kHz	387000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.03	18.00
n2	10MHz	15kHz	387000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.96	17.00
n2	10MHz	15kHz	387000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.00	18.00
n2	10MHz	15kHz	392000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.60	22.00
n2	10MHz	15kHz	392000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.54	22.00
n2	10MHz	15kHz	392000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.64	22.00
n2	10MHz	15kHz	392000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.12	22.00
n2	10MHz	15kHz	392000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.04	22.00
n2	10MHz	15kHz	392000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.17	22.00
n2	10MHz	15kHz	392000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.64	22.00
n2	10MHz	15kHz	392000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.51	22.00
n2	10MHz	15kHz	392000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.66	22.00
n2	10MHz	15kHz	392000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.59	21.00
n2	10MHz	15kHz	392000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.50	21.00

n2	10MHz	15kHz	392000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.65	21.00
n2	10MHz	15kHz	392000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.73	21.00
n2	10MHz	15kHz	392000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.68	21.00
n2	10MHz	15kHz	392000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.66	21.00
n2	10MHz	15kHz	392000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.32	20.00
n2	10MHz	15kHz	392000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.18	20.00
n2	10MHz	15kHz	392000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.19	20.00
n2	10MHz	15kHz	392000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.09	18.00
n2	10MHz	15kHz	392000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.02	18.00
n2	10MHz	15kHz	392000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.21	18.00
n2	10MHz	15kHz	392000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.04	21.00
n2	10MHz	15kHz	392000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.98	20.00
n2	10MHz	15kHz	392000	24	CP-OFDM QPSK^Inner_Full:PC3	20.08	21.00
n2	10MHz	15kHz	392000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.67	20.00
n2	10MHz	15kHz	392000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.69	20.00
n2	10MHz	15kHz	392000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.62	20.00
n2	10MHz	15kHz	392000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.18	19.00
n2	10MHz	15kHz	392000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.23	19.00
n2	10MHz	15kHz	392000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.24	19.00
n2	10MHz	15kHz	392000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.21	16.00
n2	10MHz	15kHz	392000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.30	16.00
n2	10MHz	15kHz	392000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.20	16.00
n2	10MHz	15kHz	397000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.56	22.00
n2	10MHz	15kHz	397000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.66	22.00
n2	10MHz	15kHz	397000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.67	22.00
n2	10MHz	15kHz	397000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.10	22.00
n2	10MHz	15kHz	397000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.19	22.00
n2	10MHz	15kHz	397000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.19	22.00
n2	10MHz	15kHz	397000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.49	22.00
n2	10MHz	15kHz	397000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.60	22.00
n2	10MHz	15kHz	397000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.66	22.00
n2	10MHz	15kHz	397000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.54	21.00
n2	10MHz	15kHz	397000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.67	21.00
n2	10MHz	15kHz	397000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.69	21.00
n2	10MHz	15kHz	397000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.69	21.00
n2	10MHz	15kHz	397000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.83	21.00
n2	10MHz	15kHz	397000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.67	21.00
n2	10MHz	15kHz	397000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.27	20.00
n2	10MHz	15kHz	397000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.40	20.00
n2	10MHz	15kHz	397000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.22	20.00
n2	10MHz	15kHz	397000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.98	17.00
n2	10MHz	15kHz	397000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.13	18.00
n2	10MHz	15kHz	397000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.07	18.00
n2	15MHz	15kHz	387500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.55	22.00
n2	15MHz	15kHz	387500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.53	22.00
n2	15MHz	15kHz	387500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.53	22.00
n2	15MHz	15kHz	387500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.08	22.00
n2	15MHz	15kHz	387500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.02	22.00
n2	15MHz	15kHz	387500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.11	22.00
n2	15MHz	15kHz	387500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.59	22.00
n2	15MHz	15kHz	387500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.53	22.00
n2	15MHz	15kHz	387500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.57	22.00
n2	15MHz	15kHz	387500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.60	21.00
n2	15MHz	15kHz	387500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.54	21.00
n2	15MHz	15kHz	387500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.59	21.00
n2	15MHz	15kHz	387500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.64	21.00
n2	15MHz	15kHz	387500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.64	21.00
n2	15MHz	15kHz	387500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.60	21.00
n2	15MHz	15kHz	387500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.12	20.00
n2	15MHz	15kHz	387500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.16	20.00
n2	15MHz	15kHz	387500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.09	20.00
n2	15MHz	15kHz	387500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.93	17.00
n2	15MHz	15kHz	387500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.04	18.00
n2	15MHz	15kHz	387500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.01	18.00
n2	15MHz	15kHz	387500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.98	20.00
n2	15MHz	15kHz	387500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.83	20.00
n2	15MHz	15kHz	387500	24	CP-OFDM QPSK^Inner_Full:PC3	20.08	21.00
n2	15MHz	15kHz	387500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.73	20.00
n2	15MHz	15kHz	387500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.60	20.00

n2	15MHz	15kHz	387500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.60	20.00
n2	15MHz	15kHz	387500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.05	19.00
n2	15MHz	15kHz	387500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.03	19.00
n2	15MHz	15kHz	387500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.07	19.00
n2	15MHz	15kHz	387500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.16	16.00
n2	15MHz	15kHz	387500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.09	16.00
n2	15MHz	15kHz	387500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.00	16.00
n2	15MHz	15kHz	392000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.59	22.00
n2	15MHz	15kHz	392000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.54	22.00
n2	15MHz	15kHz	392000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.68	22.00
n2	15MHz	15kHz	392000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.10	22.00
n2	15MHz	15kHz	392000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.05	22.00
n2	15MHz	15kHz	392000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.15	22.00
n2	15MHz	15kHz	392000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.60	22.00
n2	15MHz	15kHz	392000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.52	22.00
n2	15MHz	15kHz	392000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.67	22.00
n2	15MHz	15kHz	392000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.62	21.00
n2	15MHz	15kHz	392000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.57	21.00
n2	15MHz	15kHz	392000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.70	21.00
n2	15MHz	15kHz	392000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.73	21.00
n2	15MHz	15kHz	392000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.67	21.00
n2	15MHz	15kHz	392000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.71	21.00
n2	15MHz	15kHz	392000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.30	20.00
n2	15MHz	15kHz	392000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.16	20.00
n2	15MHz	15kHz	392000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.22	20.00
n2	15MHz	15kHz	392000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.15	18.00
n2	15MHz	15kHz	392000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.10	18.00
n2	15MHz	15kHz	392000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.22	18.00
n2	15MHz	15kHz	392000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.97	20.00
n2	15MHz	15kHz	392000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.91	20.00
n2	15MHz	15kHz	392000	24	CP-OFDM QPSK^Inner_Full:PC3	20.17	21.00
n2	15MHz	15kHz	392000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.67	20.00
n2	15MHz	15kHz	392000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.64	20.00
n2	15MHz	15kHz	392000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.70	20.00
n2	15MHz	15kHz	392000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.18	19.00
n2	15MHz	15kHz	392000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.18	19.00
n2	15MHz	15kHz	392000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.29	19.00
n2	15MHz	15kHz	392000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.14	16.00
n2	15MHz	15kHz	392000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.12	16.00
n2	15MHz	15kHz	392000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.22	16.00
n2	15MHz	15kHz	396500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.54	22.00
n2	15MHz	15kHz	396500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.67	22.00
n2	15MHz	15kHz	396500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.64	22.00
n2	15MHz	15kHz	396500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.07	22.00
n2	15MHz	15kHz	396500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.17	22.00
n2	15MHz	15kHz	396500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.20	22.00
n2	15MHz	15kHz	396500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.46	22.00
n2	15MHz	15kHz	396500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.59	22.00
n2	15MHz	15kHz	396500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.62	22.00
n2	15MHz	15kHz	396500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.51	21.00
n2	15MHz	15kHz	396500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.68	21.00
n2	15MHz	15kHz	396500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.70	21.00
n2	15MHz	15kHz	396500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.69	21.00
n2	15MHz	15kHz	396500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.84	21.00
n2	15MHz	15kHz	396500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.66	21.00
n2	15MHz	15kHz	396500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.25	20.00
n2	15MHz	15kHz	396500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.32	20.00
n2	15MHz	15kHz	396500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.16	20.00
n2	15MHz	15kHz	396500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.03	18.00
n2	15MHz	15kHz	396500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.12	18.00
n2	15MHz	15kHz	396500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.12	18.00
n2	20MHz	15kHz	388000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.67	22.00
n2	20MHz	15kHz	388000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.59	22.00
n2	20MHz	15kHz	388000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.65	22.00
n2	20MHz	15kHz	388000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.17	22.00
n2	20MHz	15kHz	388000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.10	22.00
n2	20MHz	15kHz	388000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.16	22.00

n2	20MHz	15kHz	388000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.57	22.00
n2	20MHz	15kHz	388000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.50	22.00
n2	20MHz	15kHz	388000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.64	22.00
n2	20MHz	15kHz	388000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.65	21.00
n2	20MHz	15kHz	388000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.61	21.00
n2	20MHz	15kHz	388000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.67	21.00
n2	20MHz	15kHz	388000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.73	21.00
n2	20MHz	15kHz	388000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.70	21.00
n2	20MHz	15kHz	388000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.65	21.00
n2	20MHz	15kHz	388000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.27	20.00
n2	20MHz	15kHz	388000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.30	20.00
n2	20MHz	15kHz	388000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.12	20.00
n2	20MHz	15kHz	388000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.03	18.00
n2	20MHz	15kHz	388000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.12	18.00
n2	20MHz	15kHz	388000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.08	18.00
n2	20MHz	15kHz	392000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.57	22.00
n2	20MHz	15kHz	392000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.52	22.00
n2	20MHz	15kHz	392000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.71	22.00
n2	20MHz	15kHz	392000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.08	22.00
n2	20MHz	15kHz	392000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.01	22.00
n2	20MHz	15kHz	392000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.18	22.00
n2	20MHz	15kHz	392000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.54	22.00
n2	20MHz	15kHz	392000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.44	22.00
n2	20MHz	15kHz	392000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.70	22.00
n2	20MHz	15kHz	392000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.61	21.00
n2	20MHz	15kHz	392000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.48	21.00
n2	20MHz	15kHz	392000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.71	21.00
n2	20MHz	15kHz	392000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.68	21.00
n2	20MHz	15kHz	392000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.69	21.00
n2	20MHz	15kHz	392000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.72	21.00
n2	20MHz	15kHz	392000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.27	20.00
n2	20MHz	15kHz	392000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.19	20.00
n2	20MHz	15kHz	392000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.20	20.00
n2	20MHz	15kHz	392000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.06	18.00
n2	20MHz	15kHz	392000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.04	18.00
n2	20MHz	15kHz	392000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.23	18.00
n2	20MHz	15kHz	396000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.50	22.00
n2	20MHz	15kHz	396000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.62	22.00
n2	20MHz	15kHz	396000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.63	22.00
n2	20MHz	15kHz	396000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.00	22.00
n2	20MHz	15kHz	396000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.13	22.00
n2	20MHz	15kHz	396000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.15	22.00
n2	20MHz	15kHz	396000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.42	22.00
n2	20MHz	15kHz	396000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.54	22.00
n2	20MHz	15kHz	396000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.64	22.00
n2	20MHz	15kHz	396000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.47	21.00
n2	20MHz	15kHz	396000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.64	21.00
n2	20MHz	15kHz	396000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.68	21.00
n2	20MHz	15kHz	396000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.60	21.00
n2	20MHz	15kHz	396000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.81	21.00
n2	20MHz	15kHz	396000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.66	21.00
n2	20MHz	15kHz	396000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.15	20.00
n2	20MHz	15kHz	396000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.37	20.00
n2	20MHz	15kHz	396000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.15	20.00
n2	20MHz	15kHz	396000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.99	17.00
n2	20MHz	15kHz	396000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.02	18.00
n2	20MHz	15kHz	396000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.11	18.00
n2	20MHz	15kHz	396000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.97	20.00
n2	20MHz	15kHz	396000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.00	21.00
n2	20MHz	15kHz	396000	24	CP-OFDM QPSK^Inner_Full:PC3	20.12	21.00
n2	20MHz	15kHz	396000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.63	20.00
n2	20MHz	15kHz	396000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.68	20.00
n2	20MHz	15kHz	396000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.59	20.00
n2	20MHz	15kHz	396000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.10	19.00
n2	20MHz	15kHz	396000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.02	19.00
n2	20MHz	15kHz	396000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.14	19.00
n2	20MHz	15kHz	396000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.08	16.00
n2	20MHz	15kHz	396000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.13	16.00
n2	20MHz	15kHz	396000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.06	16.00

n2	25MHz	15kHz	388500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.94	21.00
n2	25MHz	15kHz	388500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.34	22.00
n2	25MHz	15kHz	388500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.50	22.00
n2	25MHz	15kHz	388500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.83	21.00
n2	25MHz	15kHz	388500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.89	21.00
n2	25MHz	15kHz	388500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.98	21.00
n2	25MHz	15kHz	388500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.38	22.00
n2	25MHz	15kHz	388500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.42	22.00
n2	25MHz	15kHz	388500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.55	22.00
n2	25MHz	15kHz	388500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.39	21.00
n2	25MHz	15kHz	388500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.45	21.00
n2	25MHz	15kHz	388500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.49	21.00
n2	25MHz	15kHz	388500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.50	21.00
n2	25MHz	15kHz	388500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.55	21.00
n2	25MHz	15kHz	388500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.53	21.00
n2	25MHz	15kHz	388500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.06	20.00
n2	25MHz	15kHz	388500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.03	20.00
n2	25MHz	15kHz	388500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.07	20.00
n2	25MHz	15kHz	388500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.77	17.00
n2	25MHz	15kHz	388500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.83	17.00
n2	25MHz	15kHz	388500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.99	17.00
n2	25MHz	15kHz	388500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.75	20.00
n2	25MHz	15kHz	388500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.83	20.00
n2	25MHz	15kHz	388500	24	CP-OFDM QPSK^Inner_Full:PC3	20.02	21.00
n2	25MHz	15kHz	388500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.48	20.00
n2	25MHz	15kHz	388500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.60	20.00
n2	25MHz	15kHz	388500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.52	20.00
n2	25MHz	15kHz	388500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.97	18.00
n2	25MHz	15kHz	388500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.09	19.00
n2	25MHz	15kHz	388500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.06	19.00
n2	25MHz	15kHz	388500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.01	16.00
n2	25MHz	15kHz	388500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.14	16.00
n2	25MHz	15kHz	388500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.01	16.00
n2	25MHz	15kHz	392000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.50	22.00
n2	25MHz	15kHz	392000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.41	22.00
n2	25MHz	15kHz	392000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.63	22.00
n2	25MHz	15kHz	392000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.03	22.00
n2	25MHz	15kHz	392000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.92	21.00
n2	25MHz	15kHz	392000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.14	22.00
n2	25MHz	15kHz	392000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.52	22.00
n2	25MHz	15kHz	392000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.36	22.00
n2	25MHz	15kHz	392000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.68	22.00
n2	25MHz	15kHz	392000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.48	21.00
n2	25MHz	15kHz	392000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.40	21.00
n2	25MHz	15kHz	392000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.63	21.00
n2	25MHz	15kHz	392000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.65	21.00
n2	25MHz	15kHz	392000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.61	21.00
n2	25MHz	15kHz	392000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.63	21.00
n2	25MHz	15kHz	392000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.19	20.00
n2	25MHz	15kHz	392000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.15	20.00
n2	25MHz	15kHz	392000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.16	20.00
n2	25MHz	15kHz	392000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.96	17.00
n2	25MHz	15kHz	392000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.94	17.00
n2	25MHz	15kHz	392000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.20	18.00
n2	25MHz	15kHz	392000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.87	20.00
n2	25MHz	15kHz	392000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.82	20.00
n2	25MHz	15kHz	392000	24	CP-OFDM QPSK^Inner_Full:PC3	20.07	21.00
n2	25MHz	15kHz	392000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.60	20.00
n2	25MHz	15kHz	392000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.50	20.00
n2	25MHz	15kHz	392000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.57	20.00
n2	25MHz	15kHz	392000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.07	19.00
n2	25MHz	15kHz	392000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.02	19.00
n2	25MHz	15kHz	392000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.18	19.00
n2	25MHz	15kHz	392000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.15	16.00
n2	25MHz	15kHz	392000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.04	16.00
n2	25MHz	15kHz	392000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.11	16.00
n2	25MHz	15kHz	395500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.41	22.00
n2	25MHz	15kHz	395500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.58	22.00

n2	25MHz	15kHz	395500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.61	22.00
n2	25MHz	15kHz	395500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.93	21.00
n2	25MHz	15kHz	395500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.09	22.00
n2	25MHz	15kHz	395500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.07	22.00
n2	25MHz	15kHz	395500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.40	22.00
n2	25MHz	15kHz	395500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.51	22.00
n2	25MHz	15kHz	395500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.66	22.00
n2	25MHz	15kHz	395500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.40	21.00
n2	25MHz	15kHz	395500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.56	21.00
n2	25MHz	15kHz	395500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.61	21.00
n2	25MHz	15kHz	395500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.55	21.00
n2	25MHz	15kHz	395500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.73	21.00
n2	25MHz	15kHz	395500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.64	21.00
n2	25MHz	15kHz	395500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.15	20.00
n2	25MHz	15kHz	395500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.27	20.00
n2	25MHz	15kHz	395500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.18	20.00
n2	25MHz	15kHz	395500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.93	17.00
n2	25MHz	15kHz	395500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.06	18.00
n2	25MHz	15kHz	395500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.16	18.00
n2	25MHz	15kHz	395500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.75	20.00
n2	25MHz	15kHz	395500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.90	20.00
n2	25MHz	15kHz	395500	24	CP-OFDM QPSK^Inner_Full:PC3	20.09	21.00
n2	25MHz	15kHz	395500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.51	20.00
n2	25MHz	15kHz	395500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.58	20.00
n2	25MHz	15kHz	395500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.61	20.00
n2	25MHz	15kHz	395500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.11	19.00
n2	25MHz	15kHz	395500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.17	19.00
n2	25MHz	15kHz	395500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.19	19.00
n2	25MHz	15kHz	395500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.12	16.00
n2	25MHz	15kHz	395500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.07	16.00
n2	25MHz	15kHz	395500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.12	16.00
n2	30MHz	15kHz	389000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.64	22.00
n2	30MHz	15kHz	389000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.66	22.00
n2	30MHz	15kHz	389000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.76	22.00
n2	30MHz	15kHz	389000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.10	22.00
n2	30MHz	15kHz	389000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.17	22.00
n2	30MHz	15kHz	389000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.20	22.00
n2	30MHz	15kHz	389000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.57	22.00
n2	30MHz	15kHz	389000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.66	22.00
n2	30MHz	15kHz	389000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.78	22.00
n2	30MHz	15kHz	389000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.60	21.00
n2	30MHz	15kHz	389000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.62	21.00
n2	30MHz	15kHz	389000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.70	21.00
n2	30MHz	15kHz	389000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.71	21.00
n2	30MHz	15kHz	389000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.80	21.00
n2	30MHz	15kHz	389000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.78	21.00
n2	30MHz	15kHz	389000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.29	20.00
n2	30MHz	15kHz	389000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.24	20.00
n2	30MHz	15kHz	389000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.27	20.00
n2	30MHz	15kHz	389000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.03	18.00
n2	30MHz	15kHz	389000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.15	18.00
n2	30MHz	15kHz	389000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.20	18.00
n2	30MHz	15kHz	389000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.00	21.00
n2	30MHz	15kHz	389000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.03	21.00
n2	30MHz	15kHz	389000	24	CP-OFDM QPSK^Inner_Full:PC3	20.25	21.00
n2	30MHz	15kHz	389000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.71	20.00
n2	30MHz	15kHz	389000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.74	20.00
n2	30MHz	15kHz	389000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.69	20.00
n2	30MHz	15kHz	389000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.22	19.00
n2	30MHz	15kHz	389000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.35	19.00
n2	30MHz	15kHz	389000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.23	19.00
n2	30MHz	15kHz	389000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.17	16.00
n2	30MHz	15kHz	389000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.33	16.00
n2	30MHz	15kHz	389000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.14	16.00
n2	30MHz	15kHz	392000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.59	22.00
n2	30MHz	15kHz	392000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.53	22.00
n2	30MHz	15kHz	392000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.66	22.00
n2	30MHz	15kHz	392000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.10	22.00

n2	30MHz	15kHz	392000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.07	22.00
n2	30MHz	15kHz	392000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.21	22.00
n2	30MHz	15kHz	392000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.60	22.00
n2	30MHz	15kHz	392000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.52	22.00
n2	30MHz	15kHz	392000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.68	22.00
n2	30MHz	15kHz	392000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.60	21.00
n2	30MHz	15kHz	392000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.54	21.00
n2	30MHz	15kHz	392000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.70	21.00
n2	30MHz	15kHz	392000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.73	21.00
n2	30MHz	15kHz	392000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.70	21.00
n2	30MHz	15kHz	392000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.71	21.00
n2	30MHz	15kHz	392000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.31	20.00
n2	30MHz	15kHz	392000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.12	20.00
n2	30MHz	15kHz	392000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.17	20.00
n2	30MHz	15kHz	392000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.12	18.00
n2	30MHz	15kHz	392000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.10	18.00
n2	30MHz	15kHz	392000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.18	18.00
n2	30MHz	15kHz	392000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.97	20.00
n2	30MHz	15kHz	392000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.99	20.00
n2	30MHz	15kHz	392000	24	CP-OFDM QPSK^Inner_Full:PC3	20.17	21.00
n2	30MHz	15kHz	392000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.71	20.00
n2	30MHz	15kHz	392000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.67	20.00
n2	30MHz	15kHz	392000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.61	20.00
n2	30MHz	15kHz	392000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.21	19.00
n2	30MHz	15kHz	392000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.20	19.00
n2	30MHz	15kHz	392000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.21	19.00
n2	30MHz	15kHz	392000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.25	16.00
n2	30MHz	15kHz	392000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.22	16.00
n2	30MHz	15kHz	392000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.14	16.00
n2	30MHz	15kHz	395000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.51	22.00
n2	30MHz	15kHz	395000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.61	22.00
n2	30MHz	15kHz	395000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.59	22.00
n2	30MHz	15kHz	395000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.05	22.00
n2	30MHz	15kHz	395000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.12	22.00
n2	30MHz	15kHz	395000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.07	22.00
n2	30MHz	15kHz	395000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.50	22.00
n2	30MHz	15kHz	395000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.59	22.00
n2	30MHz	15kHz	395000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.64	22.00
n2	30MHz	15kHz	395000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.54	21.00
n2	30MHz	15kHz	395000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.67	21.00
n2	30MHz	15kHz	395000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.62	21.00
n2	30MHz	15kHz	395000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.69	21.00
n2	30MHz	15kHz	395000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.84	21.00
n2	30MHz	15kHz	395000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.68	21.00
n2	30MHz	15kHz	395000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.15	20.00
n2	30MHz	15kHz	395000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.15	20.00
n2	30MHz	15kHz	395000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.17	20.00
n2	30MHz	15kHz	395000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.11	18.00
n2	30MHz	15kHz	395000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.00	18.00
n2	30MHz	15kHz	395000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.12	18.00
n2	30MHz	15kHz	395000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.95	20.00
n2	30MHz	15kHz	395000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.04	21.00
n2	30MHz	15kHz	395000	24	CP-OFDM QPSK^Inner_Full:PC3	20.15	21.00
n2	30MHz	15kHz	395000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.66	20.00
n2	30MHz	15kHz	395000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.76	20.00
n2	30MHz	15kHz	395000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.59	20.00
n2	30MHz	15kHz	395000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.18	19.00
n2	30MHz	15kHz	395000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.22	19.00
n2	30MHz	15kHz	395000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.16	19.00
n2	30MHz	15kHz	395000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.26	16.00
n2	30MHz	15kHz	395000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.22	16.00
n2	30MHz	15kHz	395000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.10	16.00
n2	35MHz	15kHz	389500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.55	22.00
n2	35MHz	15kHz	389500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.53	22.00
n2	35MHz	15kHz	389500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.73	22.00
n2	35MHz	15kHz	389500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.06	22.00
n2	35MHz	15kHz	389500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.05	22.00
n2	35MHz	15kHz	389500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.13	22.00

n2	35MHz	15kHz	389500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.55	22.00
n2	35MHz	15kHz	389500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.52	22.00
n2	35MHz	15kHz	389500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.78	22.00
n2	35MHz	15kHz	389500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.55	21.00
n2	35MHz	15kHz	389500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.50	21.00
n2	35MHz	15kHz	389500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.66	21.00
n2	35MHz	15kHz	389500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.68	21.00
n2	35MHz	15kHz	389500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.65	21.00
n2	35MHz	15kHz	389500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.78	21.00
n2	35MHz	15kHz	389500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.13	20.00
n2	35MHz	15kHz	389500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.21	20.00
n2	35MHz	15kHz	389500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.26	20.00
n2	35MHz	15kHz	389500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.94	17.00
n2	35MHz	15kHz	389500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.06	18.00
n2	35MHz	15kHz	389500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.21	18.00
n2	35MHz	15kHz	389500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.09	21.00
n2	35MHz	15kHz	389500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.02	21.00
n2	35MHz	15kHz	389500	24	CP-OFDM QPSK^Inner_Full:PC3	20.23	21.00
n2	35MHz	15kHz	389500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.67	20.00
n2	35MHz	15kHz	389500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.63	20.00
n2	35MHz	15kHz	389500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.74	20.00
n2	35MHz	15kHz	389500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.14	19.00
n2	35MHz	15kHz	389500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.21	19.00
n2	35MHz	15kHz	389500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.26	19.00
n2	35MHz	15kHz	389500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.07	16.00
n2	35MHz	15kHz	389500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.20	16.00
n2	35MHz	15kHz	389500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.16	16.00
n2	35MHz	15kHz	392000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.55	22.00
n2	35MHz	15kHz	392000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.51	22.00
n2	35MHz	15kHz	392000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.65	22.00
n2	35MHz	15kHz	392000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.08	22.00
n2	35MHz	15kHz	392000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.01	22.00
n2	35MHz	15kHz	392000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.15	22.00
n2	35MHz	15kHz	392000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.58	22.00
n2	35MHz	15kHz	392000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.51	22.00
n2	35MHz	15kHz	392000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.67	22.00
n2	35MHz	15kHz	392000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.56	21.00
n2	35MHz	15kHz	392000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.49	21.00
n2	35MHz	15kHz	392000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.67	21.00
n2	35MHz	15kHz	392000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.69	21.00
n2	35MHz	15kHz	392000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.68	21.00
n2	35MHz	15kHz	392000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.69	21.00
n2	35MHz	15kHz	392000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.17	20.00
n2	35MHz	15kHz	392000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.14	20.00
n2	35MHz	15kHz	392000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.18	20.00
n2	35MHz	15kHz	392000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.94	17.00
n2	35MHz	15kHz	392000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.05	18.00
n2	35MHz	15kHz	392000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.20	18.00
n2	35MHz	15kHz	392000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.90	20.00
n2	35MHz	15kHz	392000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.91	20.00
n2	35MHz	15kHz	392000	24	CP-OFDM QPSK^Inner_Full:PC3	20.15	21.00
n2	35MHz	15kHz	392000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.66	20.00
n2	35MHz	15kHz	392000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.61	20.00
n2	35MHz	15kHz	392000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.64	20.00
n2	35MHz	15kHz	392000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.13	19.00
n2	35MHz	15kHz	392000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.11	19.00
n2	35MHz	15kHz	392000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.23	19.00
n2	35MHz	15kHz	392000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.17	16.00
n2	35MHz	15kHz	392000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.14	16.00
n2	35MHz	15kHz	392000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.17	16.00
n2	35MHz	15kHz	394500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.54	22.00
n2	35MHz	15kHz	394500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.63	22.00
n2	35MHz	15kHz	394500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.61	22.00
n2	35MHz	15kHz	394500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.03	22.00
n2	35MHz	15kHz	394500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.11	22.00
n2	35MHz	15kHz	394500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.09	22.00
n2	35MHz	15kHz	394500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.55	22.00
n2	35MHz	15kHz	394500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.57	22.00
n2	35MHz	15kHz	394500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.65	22.00

n2	35MHz	15kHz	394500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.54	21.00
n2	35MHz	15kHz	394500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.59	21.00
n2	35MHz	15kHz	394500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.65	21.00
n2	35MHz	15kHz	394500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.68	21.00
n2	35MHz	15kHz	394500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.81	21.00
n2	35MHz	15kHz	394500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.67	21.00
n2	35MHz	15kHz	394500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.24	20.00
n2	35MHz	15kHz	394500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.24	20.00
n2	35MHz	15kHz	394500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.12	20.00
n2	35MHz	15kHz	394500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.06	18.00
n2	35MHz	15kHz	394500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.97	17.00
n2	35MHz	15kHz	394500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.15	18.00
n2	35MHz	15kHz	394500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.87	20.00
n2	35MHz	15kHz	394500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.99	20.00
n2	35MHz	15kHz	394500	24	CP-OFDM QPSK^Inner_Full:PC3	20.11	21.00
n2	35MHz	15kHz	394500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.65	20.00
n2	35MHz	15kHz	394500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.68	20.00
n2	35MHz	15kHz	394500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.63	20.00
n2	35MHz	15kHz	394500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.14	19.00
n2	35MHz	15kHz	394500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.15	19.00
n2	35MHz	15kHz	394500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.21	19.00
n2	35MHz	15kHz	394500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.11	16.00
n2	35MHz	15kHz	394500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.13	16.00
n2	35MHz	15kHz	394500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.16	16.00
n2	40MHz	15kHz	390000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.60	22.00
n2	40MHz	15kHz	390000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.55	22.00
n2	40MHz	15kHz	390000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.72	22.00
n2	40MHz	15kHz	390000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.09	22.00
n2	40MHz	15kHz	390000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.04	22.00
n2	40MHz	15kHz	390000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.11	22.00
n2	40MHz	15kHz	390000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.56	22.00
n2	40MHz	15kHz	390000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.47	22.00
n2	40MHz	15kHz	390000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.76	22.00
n2	40MHz	15kHz	390000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.62	21.00
n2	40MHz	15kHz	390000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.54	21.00
n2	40MHz	15kHz	390000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.65	21.00
n2	40MHz	15kHz	390000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.72	21.00
n2	40MHz	15kHz	390000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.69	21.00
n2	40MHz	15kHz	390000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.76	21.00
n2	40MHz	15kHz	390000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.27	20.00
n2	40MHz	15kHz	390000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.27	20.00
n2	40MHz	15kHz	390000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.27	20.00
n2	40MHz	15kHz	390000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.94	17.00
n2	40MHz	15kHz	390000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.05	18.00
n2	40MHz	15kHz	390000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.21	18.00
n2	40MHz	15kHz	390000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.00	21.00
n2	40MHz	15kHz	390000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.90	20.00
n2	40MHz	15kHz	390000	24	CP-OFDM QPSK^Inner_Full:PC3	20.20	21.00
n2	40MHz	15kHz	390000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.67	20.00
n2	40MHz	15kHz	390000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.60	20.00
n2	40MHz	15kHz	390000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.68	20.00
n2	40MHz	15kHz	390000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.07	19.00
n2	40MHz	15kHz	390000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.06	19.00
n2	40MHz	15kHz	390000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.23	19.00
n2	40MHz	15kHz	390000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.12	16.00
n2	40MHz	15kHz	390000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.10	16.00
n2	40MHz	15kHz	390000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.15	16.00
n2	40MHz	15kHz	392000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.56	22.00
n2	40MHz	15kHz	392000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.58	22.00
n2	40MHz	15kHz	392000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.67	22.00
n2	40MHz	15kHz	392000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.09	22.00
n2	40MHz	15kHz	392000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.09	22.00
n2	40MHz	15kHz	392000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.15	22.00
n2	40MHz	15kHz	392000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.56	22.00
n2	40MHz	15kHz	392000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.58	22.00
n2	40MHz	15kHz	392000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.71	22.00
n2	40MHz	15kHz	392000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.60	21.00
n2	40MHz	15kHz	392000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.62	21.00
n2	40MHz	15kHz	392000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.69	21.00

n2	40MHz	15kHz	392000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.74	21.00
n2	40MHz	15kHz	392000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.63	21.00
n2	40MHz	15kHz	392000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.73	21.00
n2	40MHz	15kHz	392000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.09	20.00
n2	40MHz	15kHz	392000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.26	20.00
n2	40MHz	15kHz	392000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.22	20.00
n2	40MHz	15kHz	392000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.96	17.00
n2	40MHz	15kHz	392000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.05	18.00
n2	40MHz	15kHz	392000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.22	18.00
n2	40MHz	15kHz	392000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.90	20.00
n2	40MHz	15kHz	392000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.08	21.00
n2	40MHz	15kHz	392000	24	CP-OFDM QPSK^Inner_Full:PC3	20.17	21.00
n2	40MHz	15kHz	392000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.66	20.00
n2	40MHz	15kHz	392000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.75	20.00
n2	40MHz	15kHz	392000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.67	20.00
n2	40MHz	15kHz	392000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.09	19.00
n2	40MHz	15kHz	392000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.21	19.00
n2	40MHz	15kHz	392000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.23	19.00
n2	40MHz	15kHz	392000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.09	16.00
n2	40MHz	15kHz	392000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.20	16.00
n2	40MHz	15kHz	392000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.20	16.00
n2	40MHz	15kHz	394000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.66	22.00
n2	40MHz	15kHz	394000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.63	22.00
n2	40MHz	15kHz	394000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.65	22.00
n2	40MHz	15kHz	394000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.14	22.00
n2	40MHz	15kHz	394000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.18	22.00
n2	40MHz	15kHz	394000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.12	22.00
n2	40MHz	15kHz	394000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.63	22.00
n2	40MHz	15kHz	394000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.64	22.00
n2	40MHz	15kHz	394000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.68	22.00
n2	40MHz	15kHz	394000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.66	21.00
n2	40MHz	15kHz	394000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.61	21.00
n2	40MHz	15kHz	394000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.66	21.00
n2	40MHz	15kHz	394000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.84	21.00
n2	40MHz	15kHz	394000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.77	21.00
n2	40MHz	15kHz	394000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.67	21.00
n2	40MHz	15kHz	394000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.36	20.00
n2	40MHz	15kHz	394000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.29	20.00
n2	40MHz	15kHz	394000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.14	20.00
n2	40MHz	15kHz	394000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.09	18.00
n2	40MHz	15kHz	394000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.10	18.00
n2	40MHz	15kHz	394000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.22	18.00
n2	40MHz	15kHz	394000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.98	20.00
n2	40MHz	15kHz	394000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.07	21.00
n2	40MHz	15kHz	394000	24	CP-OFDM QPSK^Inner_Full:PC3	20.12	21.00
n2	40MHz	15kHz	394000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.74	20.00
n2	40MHz	15kHz	394000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.76	20.00
n2	40MHz	15kHz	394000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.63	20.00
n2	40MHz	15kHz	394000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.10	19.00
n2	40MHz	15kHz	394000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.18	19.00
n2	40MHz	15kHz	394000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.21	19.00
n2	40MHz	15kHz	394000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.15	16.00
n2	40MHz	15kHz	394000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.16	16.00
n2	40MHz	15kHz	394000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.17	16.00

7.1.21. Conducted Power Measurement Results(5G NR Band 5)

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	Tune Up (dBm)
n5	5MHz	15kHz	174300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.63	23.00
n5	5MHz	15kHz	174300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.59	23.00
n5	5MHz	15kHz	174300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.73	23.00
n5	5MHz	15kHz	174300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.13	23.00
n5	5MHz	15kHz	174300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.10	23.00
n5	5MHz	15kHz	174300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.23	23.00
n5	5MHz	15kHz	174300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.60	23.00
n5	5MHz	15kHz	174300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.60	23.00
n5	5MHz	15kHz	174300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.73	23.00
n5	5MHz	15kHz	174300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.71	22.00
n5	5MHz	15kHz	174300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.63	22.00
n5	5MHz	15kHz	174300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.84	22.00
n5	5MHz	15kHz	174300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.88	22.00
n5	5MHz	15kHz	174300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.82	22.00
n5	5MHz	15kHz	174300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.80	22.00
n5	5MHz	15kHz	174300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.30	21.00
n5	5MHz	15kHz	174300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.41	21.00
n5	5MHz	15kHz	174300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.36	21.00
n5	5MHz	15kHz	174300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.12	19.00
n5	5MHz	15kHz	174300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.13	19.00
n5	5MHz	15kHz	174300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.35	19.00
n5	5MHz	15kHz	174300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.06	22.00
n5	5MHz	15kHz	174300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.15	22.00
n5	5MHz	15kHz	174300	24	CP-OFDM QPSK^Inner_Full:PC3	21.27	22.00
n5	5MHz	15kHz	174300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.79	21.00
n5	5MHz	15kHz	174300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.73	21.00
n5	5MHz	15kHz	174300	27	CP-OFDM 16QAM^Inner_Full:PC3	20.80	21.00
n5	5MHz	15kHz	174300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.18	20.00
n5	5MHz	15kHz	174300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.18	20.00
n5	5MHz	15kHz	174300	30	CP-OFDM 64QAM^Inner_Full:PC3	19.28	20.00
n5	5MHz	15kHz	174300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.32	17.00
n5	5MHz	15kHz	174300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.22	17.00
n5	5MHz	15kHz	174300	33	CP-OFDM 256QAM^Inner_Full:PC3	16.23	17.00
n5	5MHz	15kHz	176300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.53	23.00
n5	5MHz	15kHz	176300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.56	23.00
n5	5MHz	15kHz	176300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.61	23.00
n5	5MHz	15kHz	176300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.99	22.00
n5	5MHz	15kHz	176300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.07	23.00
n5	5MHz	15kHz	176300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.14	23.00
n5	5MHz	15kHz	176300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.53	23.00
n5	5MHz	15kHz	176300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.52	23.00
n5	5MHz	15kHz	176300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.63	23.00
n5	5MHz	15kHz	176300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.66	22.00
n5	5MHz	15kHz	176300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.65	22.00
n5	5MHz	15kHz	176300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.72	22.00
n5	5MHz	15kHz	176300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.79	22.00
n5	5MHz	15kHz	176300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.70	22.00
n5	5MHz	15kHz	176300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.66	22.00
n5	5MHz	15kHz	176300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.32	21.00
n5	5MHz	15kHz	176300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.31	21.00
n5	5MHz	15kHz	176300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.22	21.00
n5	5MHz	15kHz	176300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.14	19.00
n5	5MHz	15kHz	176300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.04	19.00
n5	5MHz	15kHz	176300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.17	19.00
n5	5MHz	15kHz	178300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.59	23.00
n5	5MHz	15kHz	178300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.62	23.00
n5	5MHz	15kHz	178300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.70	23.00
n5	5MHz	15kHz	178300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.08	23.00
n5	5MHz	15kHz	178300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.12	23.00
n5	5MHz	15kHz	178300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.21	23.00

n5	5MHz	15kHz	178300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.53	23.00
n5	5MHz	15kHz	178300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.57	23.00
n5	5MHz	15kHz	178300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.74	23.00
n5	5MHz	15kHz	178300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.61	22.00
n5	5MHz	15kHz	178300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.71	22.00
n5	5MHz	15kHz	178300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.77	22.00
n5	5MHz	15kHz	178300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.83	22.00
n5	5MHz	15kHz	178300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.88	22.00
n5	5MHz	15kHz	178300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.73	22.00
n5	5MHz	15kHz	178300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.36	21.00
n5	5MHz	15kHz	178300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.46	21.00
n5	5MHz	15kHz	178300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.28	21.00
n5	5MHz	15kHz	178300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.08	19.00
n5	5MHz	15kHz	178300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.28	19.00
n5	5MHz	15kHz	178300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.30	19.00
n5	10MHz	15kHz	174800	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.64	23.00
n5	10MHz	15kHz	174800	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.53	23.00
n5	10MHz	15kHz	174800	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.62	23.00
n5	10MHz	15kHz	174800	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.15	23.00
n5	10MHz	15kHz	174800	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.03	23.00
n5	10MHz	15kHz	174800	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.15	23.00
n5	10MHz	15kHz	174800	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.68	23.00
n5	10MHz	15kHz	174800	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.53	23.00
n5	10MHz	15kHz	174800	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.61	23.00
n5	10MHz	15kHz	174800	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.72	22.00
n5	10MHz	15kHz	174800	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.67	22.00
n5	10MHz	15kHz	174800	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.75	22.00
n5	10MHz	15kHz	174800	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.89	22.00
n5	10MHz	15kHz	174800	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.76	22.00
n5	10MHz	15kHz	174800	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.74	22.00
n5	10MHz	15kHz	174800	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.46	21.00
n5	10MHz	15kHz	174800	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.38	21.00
n5	10MHz	15kHz	174800	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.29	21.00
n5	10MHz	15kHz	174800	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.21	19.00
n5	10MHz	15kHz	174800	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.10	19.00
n5	10MHz	15kHz	174800	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.17	19.00
n5	10MHz	15kHz	174800	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.24	22.00
n5	10MHz	15kHz	174800	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.19	22.00
n5	10MHz	15kHz	174800	24	CP-OFDM QPSK^Inner_Full:PC3	21.15	22.00
n5	10MHz	15kHz	174800	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.77	21.00
n5	10MHz	15kHz	174800	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.77	21.00
n5	10MHz	15kHz	174800	27	CP-OFDM 16QAM^Inner_Full:PC3	20.68	21.00
n5	10MHz	15kHz	174800	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.22	20.00
n5	10MHz	15kHz	174800	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.26	20.00
n5	10MHz	15kHz	174800	30	CP-OFDM 64QAM^Inner_Full:PC3	19.19	20.00
n5	10MHz	15kHz	174800	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.29	17.00
n5	10MHz	15kHz	174800	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.24	17.00
n5	10MHz	15kHz	174800	33	CP-OFDM 256QAM^Inner_Full:PC3	16.18	17.00
n5	10MHz	15kHz	176300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.58	23.00
n5	10MHz	15kHz	176300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.54	23.00
n5	10MHz	15kHz	176300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.57	23.00
n5	10MHz	15kHz	176300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.07	23.00
n5	10MHz	15kHz	176300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.08	23.00
n5	10MHz	15kHz	176300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.10	23.00
n5	10MHz	15kHz	176300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.52	23.00
n5	10MHz	15kHz	176300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.50	23.00
n5	10MHz	15kHz	176300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.56	23.00
n5	10MHz	15kHz	176300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.64	22.00
n5	10MHz	15kHz	176300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.60	22.00
n5	10MHz	15kHz	176300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.68	22.00
n5	10MHz	15kHz	176300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.72	22.00
n5	10MHz	15kHz	176300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.81	22.00
n5	10MHz	15kHz	176300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.68	22.00
n5	10MHz	15kHz	176300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.22	21.00
n5	10MHz	15kHz	176300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.41	21.00
n5	10MHz	15kHz	176300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.21	21.00
n5	10MHz	15kHz	176300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.12	19.00
n5	10MHz	15kHz	176300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.14	19.00
n5	10MHz	15kHz	176300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.12	19.00

n5	10MHz	15kHz	177800	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.54	23.00
n5	10MHz	15kHz	177800	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.59	23.00
n5	10MHz	15kHz	177800	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.63	23.00
n5	10MHz	15kHz	177800	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.04	23.00
n5	10MHz	15kHz	177800	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.11	23.00
n5	10MHz	15kHz	177800	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.11	23.00
n5	10MHz	15kHz	177800	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.46	23.00
n5	10MHz	15kHz	177800	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.53	23.00
n5	10MHz	15kHz	177800	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.62	23.00
n5	10MHz	15kHz	177800	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.58	22.00
n5	10MHz	15kHz	177800	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.72	22.00
n5	10MHz	15kHz	177800	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.69	22.00
n5	10MHz	15kHz	177800	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.72	22.00
n5	10MHz	15kHz	177800	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.84	22.00
n5	10MHz	15kHz	177800	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.70	22.00
n5	10MHz	15kHz	177800	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.22	21.00
n5	10MHz	15kHz	177800	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.20	21.00
n5	10MHz	15kHz	177800	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.25	21.00
n5	10MHz	15kHz	177800	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.05	19.00
n5	10MHz	15kHz	177800	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.24	19.00
n5	10MHz	15kHz	177800	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.15	19.00
n5	10MHz	15kHz	177800	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.01	22.00
n5	10MHz	15kHz	177800	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.15	22.00
n5	10MHz	15kHz	177800	24	CP-OFDM QPSK^Inner_Full:PC3	21.14	22.00
n5	10MHz	15kHz	177800	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.69	21.00
n5	10MHz	15kHz	177800	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.83	21.00
n5	10MHz	15kHz	177800	27	CP-OFDM 16QAM^Inner_Full:PC3	20.66	21.00
n5	10MHz	15kHz	177800	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.19	20.00
n5	10MHz	15kHz	177800	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.39	20.00
n5	10MHz	15kHz	177800	30	CP-OFDM 64QAM^Inner_Full:PC3	19.18	20.00
n5	10MHz	15kHz	177800	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.18	17.00
n5	10MHz	15kHz	177800	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.36	17.00
n5	10MHz	15kHz	177800	33	CP-OFDM 256QAM^Inner_Full:PC3	16.18	17.00
n5	15MHz	15kHz	175300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.72	23.00
n5	15MHz	15kHz	175300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.62	23.00
n5	15MHz	15kHz	175300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.64	23.00
n5	15MHz	15kHz	175300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.22	23.00
n5	15MHz	15kHz	175300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.10	23.00
n5	15MHz	15kHz	175300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.21	23.00
n5	15MHz	15kHz	175300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.72	23.00
n5	15MHz	15kHz	175300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.62	23.00
n5	15MHz	15kHz	175300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.70	23.00
n5	15MHz	15kHz	175300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.66	22.00
n5	15MHz	15kHz	175300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.59	22.00
n5	15MHz	15kHz	175300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.75	22.00
n5	15MHz	15kHz	175300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.88	22.00
n5	15MHz	15kHz	175300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.71	22.00
n5	15MHz	15kHz	175300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.74	22.00
n5	15MHz	15kHz	175300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.37	21.00
n5	15MHz	15kHz	175300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.23	21.00
n5	15MHz	15kHz	175300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.25	21.00
n5	15MHz	15kHz	175300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.17	19.00
n5	15MHz	15kHz	175300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.00	19.00
n5	15MHz	15kHz	175300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.19	19.00
n5	15MHz	15kHz	175300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.10	22.00
n5	15MHz	15kHz	175300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.90	21.00
n5	15MHz	15kHz	175300	24	CP-OFDM QPSK^Inner_Full:PC3	21.21	22.00
n5	15MHz	15kHz	175300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.82	21.00
n5	15MHz	15kHz	175300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.62	21.00
n5	15MHz	15kHz	175300	27	CP-OFDM 16QAM^Inner_Full:PC3	20.75	21.00
n5	15MHz	15kHz	175300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.42	20.00
n5	15MHz	15kHz	175300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.09	20.00
n5	15MHz	15kHz	175300	30	CP-OFDM 64QAM^Inner_Full:PC3	19.23	20.00
n5	15MHz	15kHz	175300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.40	17.00
n5	15MHz	15kHz	175300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.23	17.00
n5	15MHz	15kHz	175300	33	CP-OFDM 256QAM^Inner_Full:PC3	16.19	17.00
n5	15MHz	15kHz	176300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.67	23.00
n5	15MHz	15kHz	176300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.63	23.00

n5	15MHz	15kHz	176300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.59	23.00
n5	15MHz	15kHz	176300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.18	23.00
n5	15MHz	15kHz	176300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.10	23.00
n5	15MHz	15kHz	176300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.12	23.00
n5	15MHz	15kHz	176300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.67	23.00
n5	15MHz	15kHz	176300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.59	23.00
n5	15MHz	15kHz	176300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.62	23.00
n5	15MHz	15kHz	176300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.64	22.00
n5	15MHz	15kHz	176300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.63	22.00
n5	15MHz	15kHz	176300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.69	22.00
n5	15MHz	15kHz	176300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.82	22.00
n5	15MHz	15kHz	176300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.86	22.00
n5	15MHz	15kHz	176300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.72	22.00
n5	15MHz	15kHz	176300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.29	21.00
n5	15MHz	15kHz	176300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.37	21.00
n5	15MHz	15kHz	176300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.23	21.00
n5	15MHz	15kHz	176300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.13	19.00
n5	15MHz	15kHz	176300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.08	19.00
n5	15MHz	15kHz	176300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.17	19.00
n5	15MHz	15kHz	176300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.04	22.00
n5	15MHz	15kHz	176300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.01	22.00
n5	15MHz	15kHz	176300	24	CP-OFDM QPSK^Inner_Full:PC3	21.18	22.00
n5	15MHz	15kHz	176300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.74	21.00
n5	15MHz	15kHz	176300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.74	21.00
n5	15MHz	15kHz	176300	27	CP-OFDM 16QAM^Inner_Full:PC3	20.72	21.00
n5	15MHz	15kHz	176300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.24	20.00
n5	15MHz	15kHz	176300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.26	20.00
n5	15MHz	15kHz	176300	30	CP-OFDM 64QAM^Inner_Full:PC3	19.19	20.00
n5	15MHz	15kHz	176300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.22	17.00
n5	15MHz	15kHz	176300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.23	17.00
n5	15MHz	15kHz	176300	33	CP-OFDM 256QAM^Inner_Full:PC3	16.13	17.00
n5	15MHz	15kHz	177300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.59	23.00
n5	15MHz	15kHz	177300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.69	23.00
n5	15MHz	15kHz	177300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.64	23.00
n5	15MHz	15kHz	177300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.07	23.00
n5	15MHz	15kHz	177300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.16	23.00
n5	15MHz	15kHz	177300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.19	23.00
n5	15MHz	15kHz	177300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.53	23.00
n5	15MHz	15kHz	177300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.63	23.00
n5	15MHz	15kHz	177300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.64	23.00
n5	15MHz	15kHz	177300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.67	22.00
n5	15MHz	15kHz	177300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.74	22.00
n5	15MHz	15kHz	177300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.71	22.00
n5	15MHz	15kHz	177300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.81	22.00
n5	15MHz	15kHz	177300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.94	22.00
n5	15MHz	15kHz	177300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.77	22.00
n5	15MHz	15kHz	177300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.26	21.00
n5	15MHz	15kHz	177300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.38	21.00
n5	15MHz	15kHz	177300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.25	21.00
n5	15MHz	15kHz	177300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.04	19.00
n5	15MHz	15kHz	177300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.19	19.00
n5	15MHz	15kHz	177300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.22	19.00
n5	15MHz	15kHz	177300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.05	22.00
n5	15MHz	15kHz	177300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.24	22.00
n5	15MHz	15kHz	177300	24	CP-OFDM QPSK^Inner_Full:PC3	21.25	22.00
n5	15MHz	15kHz	177300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.80	21.00
n5	15MHz	15kHz	177300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.90	21.00
n5	15MHz	15kHz	177300	27	CP-OFDM 16QAM^Inner_Full:PC3	20.77	21.00
n5	15MHz	15kHz	177300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.17	20.00
n5	15MHz	15kHz	177300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.30	20.00
n5	15MHz	15kHz	177300	30	CP-OFDM 64QAM^Inner_Full:PC3	19.28	20.00
n5	15MHz	15kHz	177300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.27	17.00
n5	15MHz	15kHz	177300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.45	17.00
n5	15MHz	15kHz	177300	33	CP-OFDM 256QAM^Inner_Full:PC3	16.22	17.00
n5	20MHz	15kHz	175800	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.70	23.00
n5	20MHz	15kHz	175800	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.59	23.00
n5	20MHz	15kHz	175800	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.68	23.00
n5	20MHz	15kHz	175800	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.23	23.00

n5	20MHz	15kHz	175800	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.11	23.00
n5	20MHz	15kHz	175800	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.14	23.00
n5	20MHz	15kHz	175800	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.70	23.00
n5	20MHz	15kHz	175800	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.60	23.00
n5	20MHz	15kHz	175800	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.67	23.00
n5	20MHz	15kHz	175800	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.73	22.00
n5	20MHz	15kHz	175800	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.60	22.00
n5	20MHz	15kHz	175800	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.70	22.00
n5	20MHz	15kHz	175800	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.94	22.00
n5	20MHz	15kHz	175800	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.87	22.00
n5	20MHz	15kHz	175800	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.71	22.00
n5	20MHz	15kHz	175800	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.47	21.00
n5	20MHz	15kHz	175800	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.31	21.00
n5	20MHz	15kHz	175800	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.17	21.00
n5	20MHz	15kHz	175800	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.19	19.00
n5	20MHz	15kHz	175800	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.14	19.00
n5	20MHz	15kHz	175800	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.16	19.00
n5	20MHz	15kHz	175800	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.18	22.00
n5	20MHz	15kHz	175800	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.11	22.00
n5	20MHz	15kHz	175800	24	CP-OFDM QPSK^Inner_Full:PC3	21.22	22.00
n5	20MHz	15kHz	175800	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.92	21.00
n5	20MHz	15kHz	175800	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.74	21.00
n5	20MHz	15kHz	175800	27	CP-OFDM 16QAM^Inner_Full:PC3	20.69	21.00
n5	20MHz	15kHz	175800	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.25	20.00
n5	20MHz	15kHz	175800	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.16	20.00
n5	20MHz	15kHz	175800	30	CP-OFDM 64QAM^Inner_Full:PC3	19.16	20.00
n5	20MHz	15kHz	175800	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.32	17.00
n5	20MHz	15kHz	175800	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.25	17.00
n5	20MHz	15kHz	175800	33	CP-OFDM 256QAM^Inner_Full:PC3	16.14	17.00
n5	20MHz	15kHz	176300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.69	23.00
n5	20MHz	15kHz	176300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.63	23.00
n5	20MHz	15kHz	176300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.66	23.00
n5	20MHz	15kHz	176300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.21	23.00
n5	20MHz	15kHz	176300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.14	23.00
n5	20MHz	15kHz	176300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.16	23.00
n5	20MHz	15kHz	176300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.62	23.00
n5	20MHz	15kHz	176300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.62	23.00
n5	20MHz	15kHz	176300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.65	23.00
n5	20MHz	15kHz	176300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.70	22.00
n5	20MHz	15kHz	176300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.66	22.00
n5	20MHz	15kHz	176300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.72	22.00
n5	20MHz	15kHz	176300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.93	22.00
n5	20MHz	15kHz	176300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.84	22.00
n5	20MHz	15kHz	176300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.72	22.00
n5	20MHz	15kHz	176300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.53	21.00
n5	20MHz	15kHz	176300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.33	21.00
n5	20MHz	15kHz	176300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.22	21.00
n5	20MHz	15kHz	176300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.29	19.00
n5	20MHz	15kHz	176300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.19	19.00
n5	20MHz	15kHz	176300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.17	19.00
n5	20MHz	15kHz	176300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.14	22.00
n5	20MHz	15kHz	176300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.10	22.00
n5	20MHz	15kHz	176300	24	CP-OFDM QPSK^Inner_Full:PC3	21.21	22.00
n5	20MHz	15kHz	176300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.88	21.00
n5	20MHz	15kHz	176300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.77	21.00
n5	20MHz	15kHz	176300	27	CP-OFDM 16QAM^Inner_Full:PC3	20.71	21.00
n5	20MHz	15kHz	176300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.30	20.00
n5	20MHz	15kHz	176300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.26	20.00
n5	20MHz	15kHz	176300	30	CP-OFDM 64QAM^Inner_Full:PC3	19.18	20.00
n5	20MHz	15kHz	176300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.31	17.00
n5	20MHz	15kHz	176300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.31	17.00
n5	20MHz	15kHz	176300	33	CP-OFDM 256QAM^Inner_Full:PC3	16.16	17.00
n5	20MHz	15kHz	176800	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.69	23.00
n5	20MHz	15kHz	176800	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.65	23.00
n5	20MHz	15kHz	176800	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.66	23.00
n5	20MHz	15kHz	176800	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.21	23.00
n5	20MHz	15kHz	176800	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.18	23.00
n5	20MHz	15kHz	176800	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.17	23.00

n5	20MHz	15kHz	176800	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.67	23.00
n5	20MHz	15kHz	176800	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.60	23.00
n5	20MHz	15kHz	176800	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.66	23.00
n5	20MHz	15kHz	176800	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.72	22.00
n5	20MHz	15kHz	176800	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.73	22.00
n5	20MHz	15kHz	176800	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.73	22.00
n5	20MHz	15kHz	176800	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.79	22.00
n5	20MHz	15kHz	176800	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.91	22.00
n5	20MHz	15kHz	176800	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.72	22.00
n5	20MHz	15kHz	176800	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.44	21.00
n5	20MHz	15kHz	176800	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.36	21.00
n5	20MHz	15kHz	176800	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.21	21.00
n5	20MHz	15kHz	176800	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.19	19.00
n5	20MHz	15kHz	176800	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.19	19.00
n5	20MHz	15kHz	176800	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.21	19.00
n5	20MHz	15kHz	176800	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.08	22.00
n5	20MHz	15kHz	176800	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.12	22.00
n5	20MHz	15kHz	176800	24	CP-OFDM QPSK^Inner_Full:PC3	21.23	22.00
n5	20MHz	15kHz	176800	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.78	21.00
n5	20MHz	15kHz	176800	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.86	21.00
n5	20MHz	15kHz	176800	27	CP-OFDM 16QAM^Inner_Full:PC3	20.74	21.00
n5	20MHz	15kHz	176800	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.16	20.00
n5	20MHz	15kHz	176800	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.28	20.00
n5	20MHz	15kHz	176800	30	CP-OFDM 64QAM^Inner_Full:PC3	19.22	20.00
n5	20MHz	15kHz	176800	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.32	17.00
n5	20MHz	15kHz	176800	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.30	17.00
n5	20MHz	15kHz	176800	33	CP-OFDM 256QAM^Inner_Full:PC3	16.17	17.00

7.1.22. Conducted Power Measurement Results(5G NR Band 7)

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	Tune Up (dBm)
n7	5MHz	15kHz	524500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.89	22.00
n7	5MHz	15kHz	524500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.90	22.00
n7	5MHz	15kHz	524500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.02	23.00
n7	5MHz	15kHz	524500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.42	22.00
n7	5MHz	15kHz	524500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.43	22.00
n7	5MHz	15kHz	524500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.57	22.00
n7	5MHz	15kHz	524500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.87	22.00
n7	5MHz	15kHz	524500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.85	22.00
n7	5MHz	15kHz	524500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.14	23.00
n7	5MHz	15kHz	524500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.90	21.00
n7	5MHz	15kHz	524500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.87	21.00
n7	5MHz	15kHz	524500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.11	22.00
n7	5MHz	15kHz	524500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.38	22.00
n7	5MHz	15kHz	524500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.31	22.00
n7	5MHz	15kHz	524500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.09	22.00
n7	5MHz	15kHz	524500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.75	20.00
n7	5MHz	15kHz	524500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.66	20.00
n7	5MHz	15kHz	524500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.65	20.00
n7	5MHz	15kHz	524500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.64	18.00
n7	5MHz	15kHz	524500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.59	18.00
n7	5MHz	15kHz	524500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.65	18.00
n7	5MHz	15kHz	524500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.60	21.00
n7	5MHz	15kHz	524500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.42	21.00
n7	5MHz	15kHz	524500	24	CP-OFDM QPSK^Inner_Full:PC3	20.56	21.00
n7	5MHz	15kHz	524500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.20	21.00
n7	5MHz	15kHz	524500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.06	21.00
n7	5MHz	15kHz	524500	27	CP-OFDM 16QAM^Inner_Full:PC3	20.13	21.00
n7	5MHz	15kHz	524500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.61	19.00
n7	5MHz	15kHz	524500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.48	19.00
n7	5MHz	15kHz	524500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.61	19.00
n7	5MHz	15kHz	524500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.55	16.00
n7	5MHz	15kHz	524500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.48	16.00
n7	5MHz	15kHz	524500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.57	16.00
n7	5MHz	15kHz	531000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.09	23.00
n7	5MHz	15kHz	531000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.02	23.00
n7	5MHz	15kHz	531000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.14	23.00
n7	5MHz	15kHz	531000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.52	22.00
n7	5MHz	15kHz	531000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.52	22.00
n7	5MHz	15kHz	531000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.64	22.00
n7	5MHz	15kHz	531000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.98	22.00
n7	5MHz	15kHz	531000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.91	22.00
n7	5MHz	15kHz	531000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.23	23.00
n7	5MHz	15kHz	531000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.99	21.00
n7	5MHz	15kHz	531000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.91	21.00
n7	5MHz	15kHz	531000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.18	22.00
n7	5MHz	15kHz	531000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.37	22.00
n7	5MHz	15kHz	531000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.31	22.00
n7	5MHz	15kHz	531000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.14	22.00
n7	5MHz	15kHz	531000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.82	20.00
n7	5MHz	15kHz	531000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.78	20.00
n7	5MHz	15kHz	531000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.71	20.00
n7	5MHz	15kHz	531000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.69	18.00
n7	5MHz	15kHz	531000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.67	18.00
n7	5MHz	15kHz	531000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.70	18.00
n7	5MHz	15kHz	531000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.53	21.00
n7	5MHz	15kHz	531000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.51	21.00
n7	5MHz	15kHz	531000	24	CP-OFDM QPSK^Inner_Full:PC3	20.55	21.00
n7	5MHz	15kHz	531000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.18	21.00
n7	5MHz	15kHz	531000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.11	21.00
n7	5MHz	15kHz	531000	27	CP-OFDM 16QAM^Inner_Full:PC3	20.16	21.00
n7	5MHz	15kHz	531000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.59	19.00
n7	5MHz	15kHz	531000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.54	19.00
n7	5MHz	15kHz	531000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.60	19.00
n7	5MHz	15kHz	531000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.58	16.00

n7	5MHz	15kHz	531000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.48	16.00
n7	5MHz	15kHz	531000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.60	16.00
n7	5MHz	15kHz	537500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.90	22.00
n7	5MHz	15kHz	537500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.93	22.00
n7	5MHz	15kHz	537500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.03	23.00
n7	5MHz	15kHz	537500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.40	22.00
n7	5MHz	15kHz	537500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.41	22.00
n7	5MHz	15kHz	537500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.53	22.00
n7	5MHz	15kHz	537500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.87	22.00
n7	5MHz	15kHz	537500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.78	22.00
n7	5MHz	15kHz	537500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.07	23.00
n7	5MHz	15kHz	537500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.85	21.00
n7	5MHz	15kHz	537500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.81	21.00
n7	5MHz	15kHz	537500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.06	22.00
n7	5MHz	15kHz	537500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.22	22.00
n7	5MHz	15kHz	537500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.16	22.00
n7	5MHz	15kHz	537500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.01	22.00
n7	5MHz	15kHz	537500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.69	20.00
n7	5MHz	15kHz	537500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.59	20.00
n7	5MHz	15kHz	537500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.59	20.00
n7	5MHz	15kHz	537500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.54	18.00
n7	5MHz	15kHz	537500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.47	18.00
n7	5MHz	15kHz	537500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.53	18.00
n7	5MHz	15kHz	537500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.37	21.00
n7	5MHz	15kHz	537500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.28	21.00
n7	5MHz	15kHz	537500	24	CP-OFDM QPSK^Inner_Full:PC3	20.46	21.00
n7	5MHz	15kHz	537500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.00	21.00
n7	5MHz	15kHz	537500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.93	20.00
n7	5MHz	15kHz	537500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.97	20.00
n7	5MHz	15kHz	537500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.46	19.00
n7	5MHz	15kHz	537500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.38	19.00
n7	5MHz	15kHz	537500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.49	19.00
n7	5MHz	15kHz	537500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.43	16.00
n7	5MHz	15kHz	537500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.33	16.00
n7	5MHz	15kHz	537500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.46	16.00
n7	10MHz	15kHz	525000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.04	23.00
n7	10MHz	15kHz	525000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.02	23.00
n7	10MHz	15kHz	525000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.08	23.00
n7	10MHz	15kHz	525000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.54	22.00
n7	10MHz	15kHz	525000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.50	22.00
n7	10MHz	15kHz	525000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.63	22.00
n7	10MHz	15kHz	525000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.99	22.00
n7	10MHz	15kHz	525000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.95	22.00
n7	10MHz	15kHz	525000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.14	23.00
n7	10MHz	15kHz	525000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.03	22.00
n7	10MHz	15kHz	525000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.97	21.00
n7	10MHz	15kHz	525000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.16	22.00
n7	10MHz	15kHz	525000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.42	22.00
n7	10MHz	15kHz	525000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.37	22.00
n7	10MHz	15kHz	525000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.15	22.00
n7	10MHz	15kHz	525000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.88	20.00
n7	10MHz	15kHz	525000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.74	20.00
n7	10MHz	15kHz	525000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.69	20.00
n7	10MHz	15kHz	525000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.72	18.00
n7	10MHz	15kHz	525000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.66	18.00
n7	10MHz	15kHz	525000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.59	18.00
n7	10MHz	15kHz	525000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.52	21.00
n7	10MHz	15kHz	525000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.58	21.00
n7	10MHz	15kHz	525000	24	CP-OFDM QPSK^Inner_Full:PC3	20.54	21.00
n7	10MHz	15kHz	525000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.22	21.00
n7	10MHz	15kHz	525000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.20	21.00
n7	10MHz	15kHz	525000	27	CP-OFDM 16QAM^Inner_Full:PC3	20.04	21.00
n7	10MHz	15kHz	525000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.66	19.00
n7	10MHz	15kHz	525000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.63	19.00
n7	10MHz	15kHz	525000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.58	19.00
n7	10MHz	15kHz	525000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.62	16.00
n7	10MHz	15kHz	525000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.52	16.00
n7	10MHz	15kHz	525000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.56	16.00
n7	10MHz	15kHz	531000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.77	22.00

n7	10MHz	15kHz	531000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.75	22.00
n7	10MHz	15kHz	531000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.78	22.00
n7	10MHz	15kHz	531000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.34	22.00
n7	10MHz	15kHz	531000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.28	22.00
n7	10MHz	15kHz	531000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.31	22.00
n7	10MHz	15kHz	531000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.76	22.00
n7	10MHz	15kHz	531000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.71	22.00
n7	10MHz	15kHz	531000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.84	22.00
n7	10MHz	15kHz	531000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.82	21.00
n7	10MHz	15kHz	531000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.73	21.00
n7	10MHz	15kHz	531000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.86	21.00
n7	10MHz	15kHz	531000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.11	22.00
n7	10MHz	15kHz	531000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.04	22.00
n7	10MHz	15kHz	531000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.89	21.00
n7	10MHz	15kHz	531000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.63	20.00
n7	10MHz	15kHz	531000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.59	20.00
n7	10MHz	15kHz	531000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.43	20.00
n7	10MHz	15kHz	531000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.46	18.00
n7	10MHz	15kHz	531000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.39	18.00
n7	10MHz	15kHz	531000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.34	18.00
n7	10MHz	15kHz	531000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.29	21.00
n7	10MHz	15kHz	531000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.27	21.00
n7	10MHz	15kHz	531000	24	CP-OFDM QPSK^Inner_Full:PC3	20.34	21.00
n7	10MHz	15kHz	531000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.01	21.00
n7	10MHz	15kHz	531000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.98	20.00
n7	10MHz	15kHz	531000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.88	20.00
n7	10MHz	15kHz	531000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.43	19.00
n7	10MHz	15kHz	531000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.39	19.00
n7	10MHz	15kHz	531000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.39	19.00
n7	10MHz	15kHz	531000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.41	16.00
n7	10MHz	15kHz	531000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.45	16.00
n7	10MHz	15kHz	531000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.37	16.00
n7	10MHz	15kHz	537000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.93	22.00
n7	10MHz	15kHz	537000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.93	22.00
n7	10MHz	15kHz	537000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.99	22.00
n7	10MHz	15kHz	537000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.46	22.00
n7	10MHz	15kHz	537000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.43	22.00
n7	10MHz	15kHz	537000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.48	22.00
n7	10MHz	15kHz	537000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.84	22.00
n7	10MHz	15kHz	537000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.77	22.00
n7	10MHz	15kHz	537000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.00	23.00
n7	10MHz	15kHz	537000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.91	21.00
n7	10MHz	15kHz	537000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.84	21.00
n7	10MHz	15kHz	537000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.00	22.00
n7	10MHz	15kHz	537000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.17	22.00
n7	10MHz	15kHz	537000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.23	22.00
n7	10MHz	15kHz	537000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.01	22.00
n7	10MHz	15kHz	537000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.68	20.00
n7	10MHz	15kHz	537000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.68	20.00
n7	10MHz	15kHz	537000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.57	20.00
n7	10MHz	15kHz	537000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.60	18.00
n7	10MHz	15kHz	537000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.47	18.00
n7	10MHz	15kHz	537000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.45	18.00
n7	15MHz	15kHz	525500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.09	23.00
n7	15MHz	15kHz	525500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.98	22.00
n7	15MHz	15kHz	525500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.16	23.00
n7	15MHz	15kHz	525500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.60	22.00
n7	15MHz	15kHz	525500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.44	22.00
n7	15MHz	15kHz	525500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.64	22.00
n7	15MHz	15kHz	525500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.02	23.00
n7	15MHz	15kHz	525500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.89	22.00
n7	15MHz	15kHz	525500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.19	23.00
n7	15MHz	15kHz	525500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.04	22.00
n7	15MHz	15kHz	525500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.85	21.00
n7	15MHz	15kHz	525500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.17	22.00
n7	15MHz	15kHz	525500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.44	22.00
n7	15MHz	15kHz	525500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.24	22.00

n7	15MHz	15kHz	525500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.26	22.00
n7	15MHz	15kHz	525500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.74	20.00
n7	15MHz	15kHz	525500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.70	20.00
n7	15MHz	15kHz	525500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.70	20.00
n7	15MHz	15kHz	525500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.71	18.00
n7	15MHz	15kHz	525500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.50	18.00
n7	15MHz	15kHz	525500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.64	18.00
n7	15MHz	15kHz	525500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.55	21.00
n7	15MHz	15kHz	525500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.40	21.00
n7	15MHz	15kHz	525500	24	CP-OFDM QPSK^Inner_Full:PC3	20.63	21.00
n7	15MHz	15kHz	525500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.18	21.00
n7	15MHz	15kHz	525500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.95	20.00
n7	15MHz	15kHz	525500	27	CP-OFDM 16QAM^Inner_Full:PC3	20.15	21.00
n7	15MHz	15kHz	525500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.62	19.00
n7	15MHz	15kHz	525500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.41	19.00
n7	15MHz	15kHz	525500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.65	19.00
n7	15MHz	15kHz	525500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.58	16.00
n7	15MHz	15kHz	525500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.40	16.00
n7	15MHz	15kHz	525500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.57	16.00
n7	15MHz	15kHz	531000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.94	22.00
n7	15MHz	15kHz	531000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.89	22.00
n7	15MHz	15kHz	531000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.03	23.00
n7	15MHz	15kHz	531000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.44	22.00
n7	15MHz	15kHz	531000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.46	22.00
n7	15MHz	15kHz	531000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.55	22.00
n7	15MHz	15kHz	531000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.94	22.00
n7	15MHz	15kHz	531000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.89	22.00
n7	15MHz	15kHz	531000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.07	23.00
n7	15MHz	15kHz	531000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.89	21.00
n7	15MHz	15kHz	531000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.88	21.00
n7	15MHz	15kHz	531000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.09	22.00
n7	15MHz	15kHz	531000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.23	22.00
n7	15MHz	15kHz	531000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.26	22.00
n7	15MHz	15kHz	531000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.11	22.00
n7	15MHz	15kHz	531000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.71	20.00
n7	15MHz	15kHz	531000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.61	20.00
n7	15MHz	15kHz	531000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.56	20.00
n7	15MHz	15kHz	531000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.51	18.00
n7	15MHz	15kHz	531000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.53	18.00
n7	15MHz	15kHz	531000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.51	18.00
n7	15MHz	15kHz	531000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.48	21.00
n7	15MHz	15kHz	531000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.47	21.00
n7	15MHz	15kHz	531000	24	CP-OFDM QPSK^Inner_Full:PC3	20.58	21.00
n7	15MHz	15kHz	531000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.01	21.00
n7	15MHz	15kHz	531000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.08	21.00
n7	15MHz	15kHz	531000	27	CP-OFDM 16QAM^Inner_Full:PC3	20.05	21.00
n7	15MHz	15kHz	531000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.49	19.00
n7	15MHz	15kHz	531000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.49	19.00
n7	15MHz	15kHz	531000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.58	19.00
n7	15MHz	15kHz	531000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.53	16.00
n7	15MHz	15kHz	531000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.54	16.00
n7	15MHz	15kHz	531000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.52	16.00
n7	15MHz	15kHz	536500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.80	22.00
n7	15MHz	15kHz	536500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.81	22.00
n7	15MHz	15kHz	536500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.94	22.00
n7	15MHz	15kHz	536500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.32	22.00
n7	15MHz	15kHz	536500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.33	22.00
n7	15MHz	15kHz	536500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.45	22.00
n7	15MHz	15kHz	536500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.75	22.00
n7	15MHz	15kHz	536500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.79	22.00
n7	15MHz	15kHz	536500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.97	22.00
n7	15MHz	15kHz	536500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.72	21.00
n7	15MHz	15kHz	536500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.76	21.00
n7	15MHz	15kHz	536500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.98	21.00
n7	15MHz	15kHz	536500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.13	22.00
n7	15MHz	15kHz	536500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.98	21.00
n7	15MHz	15kHz	536500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.04	22.00
n7	15MHz	15kHz	536500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.53	20.00
n7	15MHz	15kHz	536500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.59	20.00

n7	15MHz	15kHz	536500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.48	20.00
n7	15MHz	15kHz	536500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.39	18.00
n7	15MHz	15kHz	536500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.43	18.00
n7	15MHz	15kHz	536500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.46	18.00
n7	15MHz	15kHz	536500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.26	21.00
n7	15MHz	15kHz	536500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.40	21.00
n7	15MHz	15kHz	536500	24	CP-OFDM QPSK^Inner_Full:PC3	20.46	21.00
n7	15MHz	15kHz	536500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.94	20.00
n7	15MHz	15kHz	536500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.90	20.00
n7	15MHz	15kHz	536500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.98	20.00
n7	15MHz	15kHz	536500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.27	19.00
n7	15MHz	15kHz	536500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.40	19.00
n7	15MHz	15kHz	536500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.51	19.00
n7	15MHz	15kHz	536500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.36	16.00
n7	15MHz	15kHz	536500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.35	16.00
n7	15MHz	15kHz	536500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.42	16.00
n7	20MHz	15kHz	526000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.93	22.00
n7	20MHz	15kHz	526000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.74	22.00
n7	20MHz	15kHz	526000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.98	22.00
n7	20MHz	15kHz	526000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.48	22.00
n7	20MHz	15kHz	526000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.29	22.00
n7	20MHz	15kHz	526000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.49	22.00
n7	20MHz	15kHz	526000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.87	22.00
n7	20MHz	15kHz	526000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.72	22.00
n7	20MHz	15kHz	526000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.04	23.00
n7	20MHz	15kHz	526000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.92	21.00
n7	20MHz	15kHz	526000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.76	21.00
n7	20MHz	15kHz	526000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.04	22.00
n7	20MHz	15kHz	526000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.35	22.00
n7	20MHz	15kHz	526000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.09	22.00
n7	20MHz	15kHz	526000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.11	22.00
n7	20MHz	15kHz	526000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.81	20.00
n7	20MHz	15kHz	526000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.58	20.00
n7	20MHz	15kHz	526000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.59	20.00
n7	20MHz	15kHz	526000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.61	18.00
n7	20MHz	15kHz	526000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.39	18.00
n7	20MHz	15kHz	526000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.56	18.00
n7	20MHz	15kHz	526000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.56	21.00
n7	20MHz	15kHz	526000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.30	21.00
n7	20MHz	15kHz	526000	24	CP-OFDM QPSK^Inner_Full:PC3	20.59	21.00
n7	20MHz	15kHz	526000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.19	21.00
n7	20MHz	15kHz	526000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.92	20.00
n7	20MHz	15kHz	526000	27	CP-OFDM 16QAM^Inner_Full:PC3	20.10	21.00
n7	20MHz	15kHz	526000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.52	19.00
n7	20MHz	15kHz	526000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.38	19.00
n7	20MHz	15kHz	526000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.54	19.00
n7	20MHz	15kHz	526000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.57	16.00
n7	20MHz	15kHz	526000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.36	16.00
n7	20MHz	15kHz	526000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.53	16.00
n7	20MHz	15kHz	531000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.73	22.00
n7	20MHz	15kHz	531000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.81	22.00
n7	20MHz	15kHz	531000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.92	22.00
n7	20MHz	15kHz	531000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.23	22.00
n7	20MHz	15kHz	531000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.36	22.00
n7	20MHz	15kHz	531000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.42	22.00
n7	20MHz	15kHz	531000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.71	22.00
n7	20MHz	15kHz	531000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.82	22.00
n7	20MHz	15kHz	531000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.98	22.00
n7	20MHz	15kHz	531000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.70	21.00
n7	20MHz	15kHz	531000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.88	21.00
n7	20MHz	15kHz	531000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.97	21.00
n7	20MHz	15kHz	531000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.07	22.00
n7	20MHz	15kHz	531000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.12	22.00
n7	20MHz	15kHz	531000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.04	22.00
n7	20MHz	15kHz	531000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.58	20.00
n7	20MHz	15kHz	531000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.60	20.00
n7	20MHz	15kHz	531000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.53	20.00
n7	20MHz	15kHz	531000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.32	18.00
n7	20MHz	15kHz	531000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.52	18.00

n7	20MHz	15kHz	531000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.53	18.00
n7	20MHz	15kHz	531000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.37	21.00
n7	20MHz	15kHz	531000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.39	21.00
n7	20MHz	15kHz	531000	24	CP-OFDM QPSK^Inner_Full:PC3	20.49	21.00
n7	20MHz	15kHz	531000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.96	20.00
n7	20MHz	15kHz	531000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.08	21.00
n7	20MHz	15kHz	531000	27	CP-OFDM 16QAM^Inner_Full:PC3	20.02	21.00
n7	20MHz	15kHz	531000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.42	19.00
n7	20MHz	15kHz	531000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.46	19.00
n7	20MHz	15kHz	531000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.48	19.00
n7	20MHz	15kHz	531000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.35	16.00
n7	20MHz	15kHz	531000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.48	16.00
n7	20MHz	15kHz	531000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.45	16.00
n7	20MHz	15kHz	536000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.89	22.00
n7	20MHz	15kHz	536000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.10	23.00
n7	20MHz	15kHz	536000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.19	23.00
n7	20MHz	15kHz	536000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.42	22.00
n7	20MHz	15kHz	536000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.57	22.00
n7	20MHz	15kHz	536000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.59	22.00
n7	20MHz	15kHz	536000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.81	22.00
n7	20MHz	15kHz	536000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.02	23.00
n7	20MHz	15kHz	536000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.19	23.00
n7	20MHz	15kHz	536000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.84	21.00
n7	20MHz	15kHz	536000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.02	22.00
n7	20MHz	15kHz	536000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.15	22.00
n7	20MHz	15kHz	536000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.19	22.00
n7	20MHz	15kHz	536000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.45	22.00
n7	20MHz	15kHz	536000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.25	22.00
n7	20MHz	15kHz	536000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.74	20.00
n7	20MHz	15kHz	536000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.75	20.00
n7	20MHz	15kHz	536000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.72	20.00
n7	20MHz	15kHz	536000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.54	18.00
n7	20MHz	15kHz	536000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.73	18.00
n7	20MHz	15kHz	536000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.67	18.00
n7	20MHz	15kHz	536000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.41	21.00
n7	20MHz	15kHz	536000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.59	21.00
n7	20MHz	15kHz	536000	24	CP-OFDM QPSK^Inner_Full:PC3	20.67	21.00
n7	20MHz	15kHz	536000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.00	21.00
n7	20MHz	15kHz	536000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.20	21.00
n7	20MHz	15kHz	536000	27	CP-OFDM 16QAM^Inner_Full:PC3	20.17	21.00
n7	20MHz	15kHz	536000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.44	19.00
n7	20MHz	15kHz	536000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.59	19.00
n7	20MHz	15kHz	536000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.62	19.00
n7	20MHz	15kHz	536000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.45	16.00
n7	20MHz	15kHz	536000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.53	16.00
n7	20MHz	15kHz	536000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.59	16.00
n7	25MHz	15kHz	526500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.08	23.00
n7	25MHz	15kHz	526500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.01	23.00
n7	25MHz	15kHz	526500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.21	23.00
n7	25MHz	15kHz	526500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.67	22.00
n7	25MHz	15kHz	526500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.54	22.00
n7	25MHz	15kHz	526500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.67	22.00
n7	25MHz	15kHz	526500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.07	23.00
n7	25MHz	15kHz	526500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.03	23.00
n7	25MHz	15kHz	526500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.27	23.00
n7	25MHz	15kHz	526500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.12	22.00
n7	25MHz	15kHz	526500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.07	22.00
n7	25MHz	15kHz	526500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.24	22.00
n7	25MHz	15kHz	526500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.52	22.00
n7	25MHz	15kHz	526500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.33	22.00
n7	25MHz	15kHz	526500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.28	22.00
n7	25MHz	15kHz	526500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.84	20.00
n7	25MHz	15kHz	526500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.77	20.00
n7	25MHz	15kHz	526500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.81	20.00
n7	25MHz	15kHz	526500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.72	18.00
n7	25MHz	15kHz	526500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.61	18.00
n7	25MHz	15kHz	526500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.76	18.00
n7	25MHz	15kHz	526500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.68	21.00
n7	25MHz	15kHz	526500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.55	21.00

n7	25MHz	15kHz	526500	24	CP-OFDM QPSK^Inner_Full:PC3	20.67	21.00
n7	25MHz	15kHz	526500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.27	21.00
n7	25MHz	15kHz	526500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.18	21.00
n7	25MHz	15kHz	526500	27	CP-OFDM 16QAM^Inner_Full:PC3	20.20	21.00
n7	25MHz	15kHz	526500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.73	19.00
n7	25MHz	15kHz	526500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.63	19.00
n7	25MHz	15kHz	526500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.69	19.00
n7	25MHz	15kHz	526500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.66	16.00
n7	25MHz	15kHz	526500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.64	16.00
n7	25MHz	15kHz	526500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.68	16.00
n7	25MHz	15kHz	531000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.01	21.00
n7	25MHz	15kHz	531000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.03	21.00
n7	25MHz	15kHz	531000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.20	21.00
n7	25MHz	15kHz	531000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.03	21.00
n7	25MHz	15kHz	531000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.03	21.00
n7	25MHz	15kHz	531000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.17	21.00
n7	25MHz	15kHz	531000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	19.88	20.00
n7	25MHz	15kHz	531000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	19.86	20.00
n7	25MHz	15kHz	531000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.22	21.00
n7	25MHz	15kHz	531000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.98	20.00
n7	25MHz	15kHz	531000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.99	20.00
n7	25MHz	15kHz	531000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.19	21.00
n7	25MHz	15kHz	531000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.31	21.00
n7	25MHz	15kHz	531000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.34	21.00
n7	25MHz	15kHz	531000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.20	21.00
n7	25MHz	15kHz	531000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.69	20.00
n7	25MHz	15kHz	531000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.72	20.00
n7	25MHz	15kHz	531000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.76	20.00
n7	25MHz	15kHz	531000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.65	18.00
n7	25MHz	15kHz	531000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.72	18.00
n7	25MHz	15kHz	531000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.71	18.00
n7	25MHz	15kHz	531000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.97	20.00
n7	25MHz	15kHz	531000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.97	20.00
n7	25MHz	15kHz	531000	24	CP-OFDM QPSK^Inner_Full:PC3	20.15	21.00
n7	25MHz	15kHz	531000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.15	21.00
n7	25MHz	15kHz	531000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.22	21.00
n7	25MHz	15kHz	531000	27	CP-OFDM 16QAM^Inner_Full:PC3	20.16	21.00
n7	25MHz	15kHz	531000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.57	19.00
n7	25MHz	15kHz	531000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.57	19.00
n7	25MHz	15kHz	531000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.65	19.00
n7	25MHz	15kHz	531000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.52	16.00
n7	25MHz	15kHz	531000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.46	16.00
n7	25MHz	15kHz	531000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.61	16.00
n7	25MHz	15kHz	535500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.01	21.00
n7	25MHz	15kHz	535500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.19	21.00
n7	25MHz	15kHz	535500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.24	21.00
n7	25MHz	15kHz	535500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.02	21.00
n7	25MHz	15kHz	535500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.13	21.00
n7	25MHz	15kHz	535500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.13	21.00
n7	25MHz	15kHz	535500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	19.78	20.00
n7	25MHz	15kHz	535500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	19.96	20.00
n7	25MHz	15kHz	535500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.28	21.00
n7	25MHz	15kHz	535500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.93	20.00
n7	25MHz	15kHz	535500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.09	21.00
n7	25MHz	15kHz	535500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.19	21.00
n7	25MHz	15kHz	535500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.27	21.00
n7	25MHz	15kHz	535500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.45	21.00
n7	25MHz	15kHz	535500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.26	21.00
n7	25MHz	15kHz	535500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.81	20.00
n7	25MHz	15kHz	535500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.87	20.00
n7	25MHz	15kHz	535500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.82	20.00
n7	25MHz	15kHz	535500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.67	18.00
n7	25MHz	15kHz	535500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.73	18.00
n7	25MHz	15kHz	535500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.78	18.00
n7	25MHz	15kHz	535500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.00	21.00
n7	25MHz	15kHz	535500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.17	21.00
n7	25MHz	15kHz	535500	24	CP-OFDM QPSK^Inner_Full:PC3	20.21	21.00
n7	25MHz	15kHz	535500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.11	21.00
n7	25MHz	15kHz	535500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.29	21.00

n7	25MHz	15kHz	535500	27	CP-OFDM 16QAM^Inner_Full:PC3	20.22	21.00
n7	25MHz	15kHz	535500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.56	19.00
n7	25MHz	15kHz	535500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.66	19.00
n7	25MHz	15kHz	535500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.73	19.00
n7	25MHz	15kHz	535500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.55	16.00
n7	25MHz	15kHz	535500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.62	16.00
n7	25MHz	15kHz	535500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.70	16.00
n7	30MHz	15kHz	527000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.31	23.00
n7	30MHz	15kHz	527000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.22	23.00
n7	30MHz	15kHz	527000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.37	23.00
n7	30MHz	15kHz	527000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.85	22.00
n7	30MHz	15kHz	527000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.72	22.00
n7	30MHz	15kHz	527000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.86	22.00
n7	30MHz	15kHz	527000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.24	23.00
n7	30MHz	15kHz	527000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.09	23.00
n7	30MHz	15kHz	527000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.41	23.00
n7	30MHz	15kHz	527000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.28	22.00
n7	30MHz	15kHz	527000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.13	22.00
n7	30MHz	15kHz	527000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.42	22.00
n7	30MHz	15kHz	527000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.73	22.00
n7	30MHz	15kHz	527000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.51	22.00
n7	30MHz	15kHz	527000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.46	22.00
n7	30MHz	15kHz	527000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.12	21.00
n7	30MHz	15kHz	527000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.87	20.00
n7	30MHz	15kHz	527000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.92	20.00
n7	30MHz	15kHz	527000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.95	18.00
n7	30MHz	15kHz	527000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.74	18.00
n7	30MHz	15kHz	527000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.87	18.00
n7	30MHz	15kHz	527000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.79	21.00
n7	30MHz	15kHz	527000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.71	21.00
n7	30MHz	15kHz	527000	24	CP-OFDM QPSK^Inner_Full:PC3	20.86	21.00
n7	30MHz	15kHz	527000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.43	21.00
n7	30MHz	15kHz	527000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.33	21.00
n7	30MHz	15kHz	527000	27	CP-OFDM 16QAM^Inner_Full:PC3	20.31	21.00
n7	30MHz	15kHz	527000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.87	19.00
n7	30MHz	15kHz	527000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.77	19.00
n7	30MHz	15kHz	527000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.86	19.00
n7	30MHz	15kHz	527000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.89	16.00
n7	30MHz	15kHz	527000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.74	16.00
n7	30MHz	15kHz	527000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.75	16.00
n7	30MHz	15kHz	531000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.69	22.00
n7	30MHz	15kHz	531000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.85	22.00
n7	30MHz	15kHz	531000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.99	22.00
n7	30MHz	15kHz	531000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.27	22.00
n7	30MHz	15kHz	531000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.37	22.00
n7	30MHz	15kHz	531000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.48	22.00
n7	30MHz	15kHz	531000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.71	22.00
n7	30MHz	15kHz	531000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.80	22.00
n7	30MHz	15kHz	531000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.06	23.00
n7	30MHz	15kHz	531000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.74	21.00
n7	30MHz	15kHz	531000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.93	21.00
n7	30MHz	15kHz	531000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.01	22.00
n7	30MHz	15kHz	531000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.98	21.00
n7	30MHz	15kHz	531000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.25	22.00
n7	30MHz	15kHz	531000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.11	22.00
n7	30MHz	15kHz	531000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.49	20.00
n7	30MHz	15kHz	531000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.62	20.00
n7	30MHz	15kHz	531000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.57	20.00
n7	30MHz	15kHz	531000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.42	18.00
n7	30MHz	15kHz	531000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.49	18.00
n7	30MHz	15kHz	531000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.55	18.00
n7	30MHz	15kHz	531000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.32	21.00
n7	30MHz	15kHz	531000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.47	21.00
n7	30MHz	15kHz	531000	24	CP-OFDM QPSK^Inner_Full:PC3	20.55	21.00
n7	30MHz	15kHz	531000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.97	20.00
n7	30MHz	15kHz	531000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.08	21.00
n7	30MHz	15kHz	531000	27	CP-OFDM 16QAM^Inner_Full:PC3	20.02	21.00
n7	30MHz	15kHz	531000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.42	19.00
n7	30MHz	15kHz	531000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.50	19.00

n7	30MHz	15kHz	531000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.59	19.00
n7	30MHz	15kHz	531000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.39	16.00
n7	30MHz	15kHz	531000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.56	16.00
n7	30MHz	15kHz	531000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.52	16.00
n7	30MHz	15kHz	535000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.09	23.00
n7	30MHz	15kHz	535000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.22	23.00
n7	30MHz	15kHz	535000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.26	23.00
n7	30MHz	15kHz	535000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.62	22.00
n7	30MHz	15kHz	535000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.74	22.00
n7	30MHz	15kHz	535000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.72	22.00
n7	30MHz	15kHz	535000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.01	23.00
n7	30MHz	15kHz	535000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.16	23.00
n7	30MHz	15kHz	535000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.35	23.00
n7	30MHz	15kHz	535000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.17	22.00
n7	30MHz	15kHz	535000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.23	22.00
n7	30MHz	15kHz	535000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.28	22.00
n7	30MHz	15kHz	535000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.47	22.00
n7	30MHz	15kHz	535000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.61	22.00
n7	30MHz	15kHz	535000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.36	22.00
n7	30MHz	15kHz	535000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.79	20.00
n7	30MHz	15kHz	535000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.95	20.00
n7	30MHz	15kHz	535000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.82	20.00
n7	30MHz	15kHz	535000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.76	18.00
n7	30MHz	15kHz	535000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.81	18.00
n7	30MHz	15kHz	535000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.79	18.00
n7	30MHz	15kHz	535000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.51	21.00
n7	30MHz	15kHz	535000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.75	21.00
n7	30MHz	15kHz	535000	24	CP-OFDM QPSK^Inner_Full:PC3	20.75	21.00
n7	30MHz	15kHz	535000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.19	21.00
n7	30MHz	15kHz	535000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.37	21.00
n7	30MHz	15kHz	535000	27	CP-OFDM 16QAM^Inner_Full:PC3	20.20	21.00
n7	30MHz	15kHz	535000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.66	19.00
n7	30MHz	15kHz	535000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.84	19.00
n7	30MHz	15kHz	535000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.75	19.00
n7	30MHz	15kHz	535000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.67	16.00
n7	30MHz	15kHz	535000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.81	16.00
n7	30MHz	15kHz	535000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.71	16.00
n7	40MHz	15kHz	528000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.29	21.00
n7	40MHz	15kHz	528000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.22	21.00
n7	40MHz	15kHz	528000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.26	21.00
n7	40MHz	15kHz	528000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.26	21.00
n7	40MHz	15kHz	528000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.21	21.00
n7	40MHz	15kHz	528000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.24	21.00
n7	40MHz	15kHz	528000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.07	21.00
n7	40MHz	15kHz	528000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.06	21.00
n7	40MHz	15kHz	528000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.30	21.00
n7	40MHz	15kHz	528000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.22	21.00
n7	40MHz	15kHz	528000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.13	21.00
n7	40MHz	15kHz	528000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.28	21.00
n7	40MHz	15kHz	528000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.56	21.00
n7	40MHz	15kHz	528000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.51	21.00
n7	40MHz	15kHz	528000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.35	21.00
n7	40MHz	15kHz	528000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.94	20.00
n7	40MHz	15kHz	528000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.97	20.00
n7	40MHz	15kHz	528000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.81	20.00
n7	40MHz	15kHz	528000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.89	18.00
n7	40MHz	15kHz	528000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.83	18.00
n7	40MHz	15kHz	528000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.79	18.00
n7	40MHz	15kHz	528000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.23	21.00
n7	40MHz	15kHz	528000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.15	21.00
n7	40MHz	15kHz	528000	24	CP-OFDM QPSK^Inner_Full:PC3	20.25	21.00
n7	40MHz	15kHz	528000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.35	21.00
n7	40MHz	15kHz	528000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.30	21.00
n7	40MHz	15kHz	528000	27	CP-OFDM 16QAM^Inner_Full:PC3	20.28	21.00
n7	40MHz	15kHz	528000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.80	19.00
n7	40MHz	15kHz	528000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.76	19.00
n7	40MHz	15kHz	528000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.78	19.00
n7	40MHz	15kHz	528000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.79	16.00
n7	40MHz	15kHz	528000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.74	16.00

n7	40MHz	15kHz	528000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.74	16.00
n7	40MHz	15kHz	531000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.72	22.00
n7	40MHz	15kHz	531000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.87	22.00
n7	40MHz	15kHz	531000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.00	23.00
n7	40MHz	15kHz	531000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.23	22.00
n7	40MHz	15kHz	531000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.40	22.00
n7	40MHz	15kHz	531000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.45	22.00
n7	40MHz	15kHz	531000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.70	22.00
n7	40MHz	15kHz	531000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.81	22.00
n7	40MHz	15kHz	531000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.09	23.00
n7	40MHz	15kHz	531000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.75	21.00
n7	40MHz	15kHz	531000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.86	21.00
n7	40MHz	15kHz	531000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.00	22.00
n7	40MHz	15kHz	531000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.05	22.00
n7	40MHz	15kHz	531000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.27	22.00
n7	40MHz	15kHz	531000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.10	22.00
n7	40MHz	15kHz	531000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.38	20.00
n7	40MHz	15kHz	531000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.64	20.00
n7	40MHz	15kHz	531000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.60	20.00
n7	40MHz	15kHz	531000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.41	18.00
n7	40MHz	15kHz	531000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.52	18.00
n7	40MHz	15kHz	531000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.58	18.00
n7	40MHz	15kHz	531000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.33	21.00
n7	40MHz	15kHz	531000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.46	21.00
n7	40MHz	15kHz	531000	24	CP-OFDM QPSK^Inner_Full:PC3	20.55	21.00
n7	40MHz	15kHz	531000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.98	20.00
n7	40MHz	15kHz	531000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.05	21.00
n7	40MHz	15kHz	531000	27	CP-OFDM 16QAM^Inner_Full:PC3	20.07	21.00
n7	40MHz	15kHz	531000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.37	19.00
n7	40MHz	15kHz	531000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.58	19.00
n7	40MHz	15kHz	531000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.59	19.00
n7	40MHz	15kHz	531000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.42	16.00
n7	40MHz	15kHz	531000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.54	16.00
n7	40MHz	15kHz	531000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.58	16.00
n7	40MHz	15kHz	534000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.99	22.00
n7	40MHz	15kHz	534000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.10	23.00
n7	40MHz	15kHz	534000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.21	23.00
n7	40MHz	15kHz	534000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.48	22.00
n7	40MHz	15kHz	534000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.65	22.00
n7	40MHz	15kHz	534000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.60	22.00
n7	40MHz	15kHz	534000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.93	22.00
n7	40MHz	15kHz	534000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.13	23.00
n7	40MHz	15kHz	534000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.26	23.00
n7	40MHz	15kHz	534000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.93	21.00
n7	40MHz	15kHz	534000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.11	22.00
n7	40MHz	15kHz	534000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.18	22.00
n7	40MHz	15kHz	534000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.24	22.00
n7	40MHz	15kHz	534000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.58	22.00
n7	40MHz	15kHz	534000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.28	22.00
n7	40MHz	15kHz	534000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.76	20.00
n7	40MHz	15kHz	534000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.93	20.00
n7	40MHz	15kHz	534000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.76	20.00
n7	40MHz	15kHz	534000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.58	18.00
n7	40MHz	15kHz	534000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.78	18.00
n7	40MHz	15kHz	534000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.76	18.00
n7	40MHz	15kHz	534000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.50	21.00
n7	40MHz	15kHz	534000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.72	21.00
n7	40MHz	15kHz	534000	24	CP-OFDM QPSK^Inner_Full:PC3	20.71	21.00
n7	40MHz	15kHz	534000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.15	21.00
n7	40MHz	15kHz	534000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.35	21.00
n7	40MHz	15kHz	534000	27	CP-OFDM 16QAM^Inner_Full:PC3	20.22	21.00
n7	40MHz	15kHz	534000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.62	19.00
n7	40MHz	15kHz	534000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.80	19.00
n7	40MHz	15kHz	534000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.73	19.00
n7	40MHz	15kHz	534000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.60	16.00
n7	40MHz	15kHz	534000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.72	16.00
n7	40MHz	15kHz	534000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.73	16.00
n7	50MHz	15kHz	529000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.14	21.00

n7	50MHz	15kHz	529000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.04	21.00
n7	50MHz	15kHz	529000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.19	21.00
n7	50MHz	15kHz	529000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.18	21.00
n7	50MHz	15kHz	529000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.07	21.00
n7	50MHz	15kHz	529000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.26	21.00
n7	50MHz	15kHz	529000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.01	21.00
n7	50MHz	15kHz	529000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	19.90	20.00
n7	50MHz	15kHz	529000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.22	21.00
n7	50MHz	15kHz	529000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.10	21.00
n7	50MHz	15kHz	529000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.03	21.00
n7	50MHz	15kHz	529000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.30	21.00
n7	50MHz	15kHz	529000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.33	21.00
n7	50MHz	15kHz	529000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.36	21.00
n7	50MHz	15kHz	529000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.24	21.00
n7	50MHz	15kHz	529000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.76	20.00
n7	50MHz	15kHz	529000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.79	20.00
n7	50MHz	15kHz	529000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.75	20.00
n7	50MHz	15kHz	529000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.68	18.00
n7	50MHz	15kHz	529000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.65	18.00
n7	50MHz	15kHz	529000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.75	18.00
n7	50MHz	15kHz	529000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.15	21.00
n7	50MHz	15kHz	529000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.01	21.00
n7	50MHz	15kHz	529000	24	CP-OFDM QPSK^Inner_Full:PC3	20.21	21.00
n7	50MHz	15kHz	529000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.23	21.00
n7	50MHz	15kHz	529000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.10	21.00
n7	50MHz	15kHz	529000	27	CP-OFDM 16QAM^Inner_Full:PC3	20.21	21.00
n7	50MHz	15kHz	529000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.72	19.00
n7	50MHz	15kHz	529000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.57	19.00
n7	50MHz	15kHz	529000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.71	19.00
n7	50MHz	15kHz	529000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.65	16.00
n7	50MHz	15kHz	529000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.60	16.00
n7	50MHz	15kHz	529000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.69	16.00
n7	50MHz	15kHz	531000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.03	21.00
n7	50MHz	15kHz	531000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.17	21.00
n7	50MHz	15kHz	531000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.19	21.00
n7	50MHz	15kHz	531000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.02	21.00
n7	50MHz	15kHz	531000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.18	21.00
n7	50MHz	15kHz	531000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.23	21.00
n7	50MHz	15kHz	531000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	19.92	20.00
n7	50MHz	15kHz	531000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.03	21.00
n7	50MHz	15kHz	531000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.24	21.00
n7	50MHz	15kHz	531000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.97	20.00
n7	50MHz	15kHz	531000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.09	21.00
n7	50MHz	15kHz	531000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.26	21.00
n7	50MHz	15kHz	531000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.30	21.00
n7	50MHz	15kHz	531000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.42	21.00
n7	50MHz	15kHz	531000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.26	21.00
n7	50MHz	15kHz	531000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.73	20.00
n7	50MHz	15kHz	531000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.82	20.00
n7	50MHz	15kHz	531000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.76	20.00
n7	50MHz	15kHz	531000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.62	18.00
n7	50MHz	15kHz	531000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.76	18.00
n7	50MHz	15kHz	531000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.77	18.00
n7	50MHz	15kHz	531000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.07	21.00
n7	50MHz	15kHz	531000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.20	21.00
n7	50MHz	15kHz	531000	24	CP-OFDM QPSK^Inner_Full:PC3	20.22	21.00
n7	50MHz	15kHz	531000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.17	21.00
n7	50MHz	15kHz	531000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.24	21.00
n7	50MHz	15kHz	531000	27	CP-OFDM 16QAM^Inner_Full:PC3	20.24	21.00
n7	50MHz	15kHz	531000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.59	19.00
n7	50MHz	15kHz	531000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.71	19.00
n7	50MHz	15kHz	531000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.73	19.00
n7	50MHz	15kHz	531000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.52	16.00
n7	50MHz	15kHz	531000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.72	16.00
n7	50MHz	15kHz	531000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.73	16.00
n7	50MHz	15kHz	533000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.07	23.00
n7	50MHz	15kHz	533000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.27	23.00
n7	50MHz	15kHz	533000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.27	22.00

n7	50MHz	15kHz	533000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.05	22.00
n7	50MHz	15kHz	533000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.27	22.00
n7	50MHz	15kHz	533000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.20	22.00
n7	50MHz	15kHz	533000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	19.91	20.00
n7	50MHz	15kHz	533000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.05	21.00
n7	50MHz	15kHz	533000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.29	21.00
n7	50MHz	15kHz	533000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.00	21.00
n7	50MHz	15kHz	533000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.23	21.00
n7	50MHz	15kHz	533000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.24	21.00
n7	50MHz	15kHz	533000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.28	21.00
n7	50MHz	15kHz	533000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.56	21.00
n7	50MHz	15kHz	533000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.31	21.00
n7	50MHz	15kHz	533000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.64	20.00
n7	50MHz	15kHz	533000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.02	21.00
n7	50MHz	15kHz	533000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.83	20.00
n7	50MHz	15kHz	533000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.67	18.00
n7	50MHz	15kHz	533000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.88	18.00
n7	50MHz	15kHz	533000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.84	18.00
n7	50MHz	15kHz	533000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.94	20.00
n7	50MHz	15kHz	533000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.17	21.00
n7	50MHz	15kHz	533000	24	CP-OFDM QPSK^Inner_Full:PC3	20.27	21.00
n7	50MHz	15kHz	533000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.17	21.00
n7	50MHz	15kHz	533000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.36	21.00
n7	50MHz	15kHz	533000	27	CP-OFDM 16QAM^Inner_Full:PC3	20.26	21.00
n7	50MHz	15kHz	533000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.59	19.00
n7	50MHz	15kHz	533000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.74	19.00
n7	50MHz	15kHz	533000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.80	19.00
n7	50MHz	15kHz	533000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.52	16.00
n7	50MHz	15kHz	533000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.71	16.00
n7	50MHz	15kHz	533000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.77	16.00

7.1.23. Conducted Power Measurement Results(5G NR Band 25)

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	Tune Up (dBm)
n25	5MHz	15kHz	386500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.42	22.00
n25	5MHz	15kHz	386500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.40	22.00
n25	5MHz	15kHz	386500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.51	22.00
n25	5MHz	15kHz	386500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.93	21.00
n25	5MHz	15kHz	386500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.89	21.00
n25	5MHz	15kHz	386500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.05	22.00
n25	5MHz	15kHz	386500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.45	22.00
n25	5MHz	15kHz	386500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.45	22.00
n25	5MHz	15kHz	386500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.56	22.00
n25	5MHz	15kHz	386500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.45	21.00
n25	5MHz	15kHz	386500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.42	21.00
n25	5MHz	15kHz	386500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.55	21.00
n25	5MHz	15kHz	386500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.59	21.00
n25	5MHz	15kHz	386500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.59	21.00
n25	5MHz	15kHz	386500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.55	21.00
n25	5MHz	15kHz	386500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.16	20.00
n25	5MHz	15kHz	386500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.03	20.00
n25	5MHz	15kHz	386500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.09	20.00
n25	5MHz	15kHz	386500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.92	17.00
n25	5MHz	15kHz	386500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.92	17.00
n25	5MHz	15kHz	386500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.09	18.00
n25	5MHz	15kHz	386500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.87	20.00
n25	5MHz	15kHz	386500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.82	20.00
n25	5MHz	15kHz	386500	24	CP-OFDM QPSK^Inner_Full:PC3	20.01	21.00
n25	5MHz	15kHz	386500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.54	20.00
n25	5MHz	15kHz	386500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.49	20.00
n25	5MHz	15kHz	386500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.46	20.00
n25	5MHz	15kHz	386500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.05	19.00
n25	5MHz	15kHz	386500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.96	18.00
n25	5MHz	15kHz	386500	30	CP-OFDM 64QAM^Inner_Full:PC3	17.98	18.00
n25	5MHz	15kHz	386500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.08	16.00
n25	5MHz	15kHz	386500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.96	15.00
n25	5MHz	15kHz	386500	33	CP-OFDM 256QAM^Inner_Full:PC3	14.96	15.00
n25	5MHz	15kHz	392500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.50	22.00
n25	5MHz	15kHz	392500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.50	22.00
n25	5MHz	15kHz	392500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.61	22.00
n25	5MHz	15kHz	392500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.03	22.00
n25	5MHz	15kHz	392500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.98	21.00
n25	5MHz	15kHz	392500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.15	22.00
n25	5MHz	15kHz	392500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.52	22.00
n25	5MHz	15kHz	392500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.47	22.00
n25	5MHz	15kHz	392500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.61	22.00
n25	5MHz	15kHz	392500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.47	21.00
n25	5MHz	15kHz	392500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.49	21.00
n25	5MHz	15kHz	392500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.66	21.00
n25	5MHz	15kHz	392500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.67	21.00
n25	5MHz	15kHz	392500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.63	21.00
n25	5MHz	15kHz	392500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.56	21.00
n25	5MHz	15kHz	392500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.21	20.00
n25	5MHz	15kHz	392500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.14	20.00
n25	5MHz	15kHz	392500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.11	20.00
n25	5MHz	15kHz	392500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.11	18.00
n25	5MHz	15kHz	392500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.08	18.00
n25	5MHz	15kHz	392500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.24	18.00
n25	5MHz	15kHz	392500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.86	20.00
n25	5MHz	15kHz	392500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.98	20.00
n25	5MHz	15kHz	392500	24	CP-OFDM QPSK^Inner_Full:PC3	20.02	21.00
n25	5MHz	15kHz	392500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.56	20.00
n25	5MHz	15kHz	392500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.58	20.00
n25	5MHz	15kHz	392500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.47	20.00
n25	5MHz	15kHz	392500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.10	19.00
n25	5MHz	15kHz	392500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.08	19.00
n25	5MHz	15kHz	392500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.16	19.00
n25	5MHz	15kHz	392500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.22	16.00
n25	5MHz	15kHz	392500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.11	16.00
n25	5MHz	15kHz	392500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.11	16.00
n25	5MHz	15kHz	398500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.57	22.00
n25	5MHz	15kHz	398500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.56	22.00
n25	5MHz	15kHz	398500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.68	22.00

n25	5MHz	15kHz	398500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.06	22.00
n25	5MHz	15kHz	398500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.07	22.00
n25	5MHz	15kHz	398500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.17	22.00
n25	5MHz	15kHz	398500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.56	22.00
n25	5MHz	15kHz	398500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.50	22.00
n25	5MHz	15kHz	398500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.71	22.00
n25	5MHz	15kHz	398500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.59	21.00
n25	5MHz	15kHz	398500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.53	21.00
n25	5MHz	15kHz	398500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.72	21.00
n25	5MHz	15kHz	398500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.73	21.00
n25	5MHz	15kHz	398500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.77	21.00
n25	5MHz	15kHz	398500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.58	21.00
n25	5MHz	15kHz	398500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.34	20.00
n25	5MHz	15kHz	398500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.21	20.00
n25	5MHz	15kHz	398500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.17	20.00
n25	5MHz	15kHz	398500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.10	18.00
n25	5MHz	15kHz	398500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.14	18.00
n25	5MHz	15kHz	398500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.16	18.00
n25	5MHz	15kHz	398500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.09	21.00
n25	5MHz	15kHz	398500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.09	21.00
n25	5MHz	15kHz	398500	24	CP-OFDM QPSK^Inner_Full:PC3	20.06	21.00
n25	5MHz	15kHz	398500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.69	20.00
n25	5MHz	15kHz	398500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.64	20.00
n25	5MHz	15kHz	398500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.53	20.00
n25	5MHz	15kHz	398500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.09	19.00
n25	5MHz	15kHz	398500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.20	19.00
n25	5MHz	15kHz	398500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.12	19.00
n25	5MHz	15kHz	398500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.15	16.00
n25	5MHz	15kHz	398500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.24	16.00
n25	5MHz	15kHz	398500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.07	16.00
n25	10MHz	15kHz	387000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.58	22.00
n25	10MHz	15kHz	387000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.49	22.00
n25	10MHz	15kHz	387000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.59	22.00
n25	10MHz	15kHz	387000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.08	22.00
n25	10MHz	15kHz	387000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.00	22.00
n25	10MHz	15kHz	387000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.09	22.00
n25	10MHz	15kHz	387000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.54	22.00
n25	10MHz	15kHz	387000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.50	22.00
n25	10MHz	15kHz	387000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.61	22.00
n25	10MHz	15kHz	387000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.51	21.00
n25	10MHz	15kHz	387000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.46	21.00
n25	10MHz	15kHz	387000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.58	21.00
n25	10MHz	15kHz	387000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.60	21.00
n25	10MHz	15kHz	387000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.56	21.00
n25	10MHz	15kHz	387000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.57	21.00
n25	10MHz	15kHz	387000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.25	20.00
n25	10MHz	15kHz	387000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.10	20.00
n25	10MHz	15kHz	387000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.10	20.00
n25	10MHz	15kHz	387000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.96	17.00
n25	10MHz	15kHz	387000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.92	17.00
n25	10MHz	15kHz	387000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.01	18.00
n25	10MHz	15kHz	387000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.92	20.00
n25	10MHz	15kHz	387000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.95	20.00
n25	10MHz	15kHz	387000	24	CP-OFDM QPSK^Inner_Full:PC3	19.98	20.00
n25	10MHz	15kHz	387000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.62	20.00
n25	10MHz	15kHz	387000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.61	20.00
n25	10MHz	15kHz	387000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.50	20.00
n25	10MHz	15kHz	387000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.07	19.00
n25	10MHz	15kHz	387000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.04	19.00
n25	10MHz	15kHz	387000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.03	19.00
n25	10MHz	15kHz	387000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.05	16.00
n25	10MHz	15kHz	387000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.05	16.00
n25	10MHz	15kHz	387000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.98	15.00
n25	10MHz	15kHz	392500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.28	22.00
n25	10MHz	15kHz	392500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.25	22.00
n25	10MHz	15kHz	392500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.38	22.00
n25	10MHz	15kHz	392500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.80	21.00
n25	10MHz	15kHz	392500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.77	21.00
n25	10MHz	15kHz	392500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.88	21.00
n25	10MHz	15kHz	392500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.35	22.00
n25	10MHz	15kHz	392500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.30	22.00
n25	10MHz	15kHz	392500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.43	22.00
n25	10MHz	15kHz	392500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.38	21.00

n25	10MHz	15kHz	392500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.32	21.00
n25	10MHz	15kHz	392500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.46	21.00
n25	10MHz	15kHz	392500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.45	21.00
n25	10MHz	15kHz	392500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.43	21.00
n25	10MHz	15kHz	392500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.44	21.00
n25	10MHz	15kHz	392500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.95	19.00
n25	10MHz	15kHz	392500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.92	19.00
n25	10MHz	15kHz	392500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.95	19.00
n25	10MHz	15kHz	392500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.88	17.00
n25	10MHz	15kHz	392500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.81	17.00
n25	10MHz	15kHz	392500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.98	17.00
n25	10MHz	15kHz	392500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.77	20.00
n25	10MHz	15kHz	392500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.81	20.00
n25	10MHz	15kHz	392500	24	CP-OFDM QPSK^Inner_Full:PC3	19.92	20.00
n25	10MHz	15kHz	392500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.50	20.00
n25	10MHz	15kHz	392500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.49	20.00
n25	10MHz	15kHz	392500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.43	20.00
n25	10MHz	15kHz	392500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.95	18.00
n25	10MHz	15kHz	392500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.06	19.00
n25	10MHz	15kHz	392500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.04	19.00
n25	10MHz	15kHz	392500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.03	16.00
n25	10MHz	15kHz	392500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.14	16.00
n25	10MHz	15kHz	392500	33	CP-OFDM 256QAM^Inner_Full:PC3	14.98	15.00
n25	10MHz	15kHz	398000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.49	22.00
n25	10MHz	15kHz	398000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.55	22.00
n25	10MHz	15kHz	398000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.59	22.00
n25	10MHz	15kHz	398000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.05	22.00
n25	10MHz	15kHz	398000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.10	22.00
n25	10MHz	15kHz	398000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.04	22.00
n25	10MHz	15kHz	398000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.44	22.00
n25	10MHz	15kHz	398000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.53	22.00
n25	10MHz	15kHz	398000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.64	22.00
n25	10MHz	15kHz	398000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.48	21.00
n25	10MHz	15kHz	398000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.57	21.00
n25	10MHz	15kHz	398000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.59	21.00
n25	10MHz	15kHz	398000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.69	21.00
n25	10MHz	15kHz	398000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.82	21.00
n25	10MHz	15kHz	398000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.66	21.00
n25	10MHz	15kHz	398000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.97	19.00
n25	10MHz	15kHz	398000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.22	20.00
n25	10MHz	15kHz	398000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.16	20.00
n25	10MHz	15kHz	398000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.98	17.00
n25	10MHz	15kHz	398000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.17	18.00
n25	10MHz	15kHz	398000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.03	18.00
n25	10MHz	15kHz	398000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.85	20.00
n25	10MHz	15kHz	398000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.02	21.00
n25	10MHz	15kHz	398000	24	CP-OFDM QPSK^Inner_Full:PC3	20.03	21.00
n25	10MHz	15kHz	398000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.59	20.00
n25	10MHz	15kHz	398000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.66	20.00
n25	10MHz	15kHz	398000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.57	20.00
n25	10MHz	15kHz	398000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.05	19.00
n25	10MHz	15kHz	398000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.28	19.00
n25	10MHz	15kHz	398000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.06	19.00
n25	10MHz	15kHz	398000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.02	16.00
n25	10MHz	15kHz	398000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.24	16.00
n25	10MHz	15kHz	398000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.01	16.00
n25	15MHz	15kHz	387500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.32	22.00
n25	15MHz	15kHz	387500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.31	22.00
n25	15MHz	15kHz	387500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.37	22.00
n25	15MHz	15kHz	387500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.85	21.00
n25	15MHz	15kHz	387500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.87	21.00
n25	15MHz	15kHz	387500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.92	21.00
n25	15MHz	15kHz	387500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.34	22.00
n25	15MHz	15kHz	387500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.33	22.00
n25	15MHz	15kHz	387500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.42	22.00
n25	15MHz	15kHz	387500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.35	21.00
n25	15MHz	15kHz	387500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.39	21.00
n25	15MHz	15kHz	387500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.45	21.00
n25	15MHz	15kHz	387500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.47	21.00
n25	15MHz	15kHz	387500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.43	21.00
n25	15MHz	15kHz	387500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.43	21.00
n25	15MHz	15kHz	387500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.07	20.00
n25	15MHz	15kHz	387500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.08	20.00

n25	15MHz	15kHz	387500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.95	19.00
n25	15MHz	15kHz	387500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.77	17.00
n25	15MHz	15kHz	387500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.87	17.00
n25	15MHz	15kHz	387500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.85	17.00
n25	15MHz	15kHz	387500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.73	20.00
n25	15MHz	15kHz	387500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.74	20.00
n25	15MHz	15kHz	387500	24	CP-OFDM QPSK^Inner_Full:PC3	19.95	20.00
n25	15MHz	15kHz	387500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.56	20.00
n25	15MHz	15kHz	387500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.47	20.00
n25	15MHz	15kHz	387500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.47	20.00
n25	15MHz	15kHz	387500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.00	19.00
n25	15MHz	15kHz	387500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.89	18.00
n25	15MHz	15kHz	387500	30	CP-OFDM 64QAM^Inner_Full:PC3	17.97	18.00
n25	15MHz	15kHz	387500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.02	16.00
n25	15MHz	15kHz	387500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.96	15.00
n25	15MHz	15kHz	387500	33	CP-OFDM 256QAM^Inner_Full:PC3	14.86	15.00
n25	15MHz	15kHz	392500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.53	22.00
n25	15MHz	15kHz	392500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.49	22.00
n25	15MHz	15kHz	392500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.60	22.00
n25	15MHz	15kHz	392500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.06	22.00
n25	15MHz	15kHz	392500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.99	21.00
n25	15MHz	15kHz	392500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.11	22.00
n25	15MHz	15kHz	392500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.47	22.00
n25	15MHz	15kHz	392500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.42	22.00
n25	15MHz	15kHz	392500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.60	22.00
n25	15MHz	15kHz	392500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.51	21.00
n25	15MHz	15kHz	392500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.48	21.00
n25	15MHz	15kHz	392500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.63	21.00
n25	15MHz	15kHz	392500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.63	21.00
n25	15MHz	15kHz	392500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.63	21.00
n25	15MHz	15kHz	392500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.62	21.00
n25	15MHz	15kHz	392500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.22	20.00
n25	15MHz	15kHz	392500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.18	20.00
n25	15MHz	15kHz	392500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.13	20.00
n25	15MHz	15kHz	392500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.98	17.00
n25	15MHz	15kHz	392500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.00	18.00
n25	15MHz	15kHz	392500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.15	18.00
n25	15MHz	15kHz	392500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.87	20.00
n25	15MHz	15kHz	392500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.88	20.00
n25	15MHz	15kHz	392500	24	CP-OFDM QPSK^Inner_Full:PC3	20.09	21.00
n25	15MHz	15kHz	392500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.57	20.00
n25	15MHz	15kHz	392500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.56	20.00
n25	15MHz	15kHz	392500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.61	20.00
n25	15MHz	15kHz	392500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.15	19.00
n25	15MHz	15kHz	392500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.14	19.00
n25	15MHz	15kHz	392500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.19	19.00
n25	15MHz	15kHz	392500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.12	16.00
n25	15MHz	15kHz	392500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.12	16.00
n25	15MHz	15kHz	392500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.12	16.00
n25	15MHz	15kHz	397500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.37	22.00
n25	15MHz	15kHz	397500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.38	22.00
n25	15MHz	15kHz	397500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.44	22.00
n25	15MHz	15kHz	397500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.90	21.00
n25	15MHz	15kHz	397500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.92	21.00
n25	15MHz	15kHz	397500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.96	21.00
n25	15MHz	15kHz	397500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.41	22.00
n25	15MHz	15kHz	397500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.41	22.00
n25	15MHz	15kHz	397500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.50	22.00
n25	15MHz	15kHz	397500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.43	21.00
n25	15MHz	15kHz	397500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.42	21.00
n25	15MHz	15kHz	397500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.48	21.00
n25	15MHz	15kHz	397500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.54	21.00
n25	15MHz	15kHz	397500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.52	21.00
n25	15MHz	15kHz	397500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.52	21.00
n25	15MHz	15kHz	397500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.03	20.00
n25	15MHz	15kHz	397500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.10	20.00
n25	15MHz	15kHz	397500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.03	20.00
n25	15MHz	15kHz	397500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.82	17.00
n25	15MHz	15kHz	397500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.97	17.00
n25	15MHz	15kHz	397500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.95	17.00
n25	15MHz	15kHz	397500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.83	20.00
n25	15MHz	15kHz	397500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.91	20.00
n25	15MHz	15kHz	397500	24	CP-OFDM QPSK^Inner_Full:PC3	20.00	21.00

n25	15MHz	15kHz	397500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.56	20.00
n25	15MHz	15kHz	397500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.59	20.00
n25	15MHz	15kHz	397500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.51	20.00
n25	15MHz	15kHz	397500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.98	18.00
n25	15MHz	15kHz	397500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.15	19.00
n25	15MHz	15kHz	397500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.01	19.00
n25	15MHz	15kHz	397500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.05	16.00
n25	15MHz	15kHz	397500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.17	16.00
n25	15MHz	15kHz	397500	33	CP-OFDM 256QAM^Inner_Full:PC3	14.97	15.00
n25	20MHz	15kHz	388000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.53	22.00
n25	20MHz	15kHz	388000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.55	22.00
n25	20MHz	15kHz	388000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.61	22.00
n25	20MHz	15kHz	388000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.04	22.00
n25	20MHz	15kHz	388000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.02	22.00
n25	20MHz	15kHz	388000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.10	22.00
n25	20MHz	15kHz	388000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.50	22.00
n25	20MHz	15kHz	388000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.54	22.00
n25	20MHz	15kHz	388000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.61	22.00
n25	20MHz	15kHz	388000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.50	21.00
n25	20MHz	15kHz	388000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.52	21.00
n25	20MHz	15kHz	388000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.58	21.00
n25	20MHz	15kHz	388000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.65	21.00
n25	20MHz	15kHz	388000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.71	21.00
n25	20MHz	15kHz	388000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.59	21.00
n25	20MHz	15kHz	388000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.12	20.00
n25	20MHz	15kHz	388000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.16	20.00
n25	20MHz	15kHz	388000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.04	20.00
n25	20MHz	15kHz	388000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.00	18.00
n25	20MHz	15kHz	388000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.00	18.00
n25	20MHz	15kHz	388000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.99	17.00
n25	20MHz	15kHz	388000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.93	20.00
n25	20MHz	15kHz	388000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.86	20.00
n25	20MHz	15kHz	388000	24	CP-OFDM QPSK^Inner_Full:PC3	20.09	21.00
n25	20MHz	15kHz	388000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.64	20.00
n25	20MHz	15kHz	388000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.59	20.00
n25	20MHz	15kHz	388000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.58	20.00
n25	20MHz	15kHz	388000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.07	19.00
n25	20MHz	15kHz	388000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.17	19.00
n25	20MHz	15kHz	388000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.02	19.00
n25	20MHz	15kHz	388000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.15	16.00
n25	20MHz	15kHz	388000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.16	16.00
n25	20MHz	15kHz	388000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.96	15.00
n25	20MHz	15kHz	392500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.50	22.00
n25	20MHz	15kHz	392500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.45	22.00
n25	20MHz	15kHz	392500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.63	22.00
n25	20MHz	15kHz	392500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.04	22.00
n25	20MHz	15kHz	392500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.97	21.00
n25	20MHz	15kHz	392500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.12	22.00
n25	20MHz	15kHz	392500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.50	22.00
n25	20MHz	15kHz	392500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.43	22.00
n25	20MHz	15kHz	392500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.63	22.00
n25	20MHz	15kHz	392500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.51	21.00
n25	20MHz	15kHz	392500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.47	21.00
n25	20MHz	15kHz	392500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.62	21.00
n25	20MHz	15kHz	392500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.65	21.00
n25	20MHz	15kHz	392500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.64	21.00
n25	20MHz	15kHz	392500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.65	21.00
n25	20MHz	15kHz	392500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.24	20.00
n25	20MHz	15kHz	392500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.21	20.00
n25	20MHz	15kHz	392500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.12	20.00
n25	20MHz	15kHz	392500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.00	18.00
n25	20MHz	15kHz	392500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.02	18.00
n25	20MHz	15kHz	392500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.15	18.00
n25	20MHz	15kHz	392500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.86	20.00
n25	20MHz	15kHz	392500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.84	20.00
n25	20MHz	15kHz	392500	24	CP-OFDM QPSK^Inner_Full:PC3	20.11	21.00
n25	20MHz	15kHz	392500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.62	20.00
n25	20MHz	15kHz	392500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.56	20.00
n25	20MHz	15kHz	392500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.60	20.00
n25	20MHz	15kHz	392500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.14	19.00
n25	20MHz	15kHz	392500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.08	19.00
n25	20MHz	15kHz	392500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.15	19.00
n25	20MHz	15kHz	392500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.04	16.00

n25	20MHz	15kHz	392500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.15	16.00
n25	20MHz	15kHz	392500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.09	16.00
n25	20MHz	15kHz	397000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.48	22.00
n25	20MHz	15kHz	397000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.57	22.00
n25	20MHz	15kHz	397000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.62	22.00
n25	20MHz	15kHz	397000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.00	22.00
n25	20MHz	15kHz	397000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.08	22.00
n25	20MHz	15kHz	397000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.14	22.00
n25	20MHz	15kHz	397000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.43	22.00
n25	20MHz	15kHz	397000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.53	22.00
n25	20MHz	15kHz	397000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.61	22.00
n25	20MHz	15kHz	397000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.51	21.00
n25	20MHz	15kHz	397000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.62	21.00
n25	20MHz	15kHz	397000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.66	21.00
n25	20MHz	15kHz	397000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.68	21.00
n25	20MHz	15kHz	397000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.79	21.00
n25	20MHz	15kHz	397000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.60	21.00
n25	20MHz	15kHz	397000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.13	20.00
n25	20MHz	15kHz	397000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.27	20.00
n25	20MHz	15kHz	397000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.07	20.00
n25	20MHz	15kHz	397000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.92	17.00
n25	20MHz	15kHz	397000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.15	18.00
n25	20MHz	15kHz	397000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.03	18.00
n25	20MHz	15kHz	397000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.91	20.00
n25	20MHz	15kHz	397000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.09	21.00
n25	20MHz	15kHz	397000	24	CP-OFDM QPSK^Inner_Full:PC3	20.14	21.00
n25	20MHz	15kHz	397000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.58	20.00
n25	20MHz	15kHz	397000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.68	20.00
n25	20MHz	15kHz	397000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.64	20.00
n25	20MHz	15kHz	397000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.13	19.00
n25	20MHz	15kHz	397000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.19	19.00
n25	20MHz	15kHz	397000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.06	19.00
n25	20MHz	15kHz	397000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.13	16.00
n25	20MHz	15kHz	397000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.16	16.00
n25	20MHz	15kHz	397000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.04	16.00
Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	#VALUE!
n25	25MHz	15kHz	388500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.28	22.00
n25	25MHz	15kHz	388500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.30	22.00
n25	25MHz	15kHz	388500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.40	22.00
n25	25MHz	15kHz	388500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.83	21.00
n25	25MHz	15kHz	388500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.83	21.00
n25	25MHz	15kHz	388500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.87	21.00
n25	25MHz	15kHz	388500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.32	22.00
n25	25MHz	15kHz	388500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.38	22.00
n25	25MHz	15kHz	388500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.47	22.00
n25	25MHz	15kHz	388500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.31	21.00
n25	25MHz	15kHz	388500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.35	21.00
n25	25MHz	15kHz	388500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.43	21.00
n25	25MHz	15kHz	388500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.47	21.00
n25	25MHz	15kHz	388500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.43	21.00
n25	25MHz	15kHz	388500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.43	21.00
n25	25MHz	15kHz	388500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.03	20.00
n25	25MHz	15kHz	388500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.85	19.00
n25	25MHz	15kHz	388500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.03	20.00
n25	25MHz	15kHz	388500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.68	17.00
n25	25MHz	15kHz	388500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.85	17.00
n25	25MHz	15kHz	388500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.90	17.00
n25	25MHz	15kHz	388500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.72	20.00
n25	25MHz	15kHz	388500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.79	20.00
n25	25MHz	15kHz	388500	24	CP-OFDM QPSK^Inner_Full:PC3	19.91	20.00
n25	25MHz	15kHz	388500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.48	20.00
n25	25MHz	15kHz	388500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.55	20.00
n25	25MHz	15kHz	388500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.45	20.00
n25	25MHz	15kHz	388500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.99	18.00
n25	25MHz	15kHz	388500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.05	19.00
n25	25MHz	15kHz	388500	30	CP-OFDM 64QAM^Inner_Full:PC3	17.95	18.00
n25	25MHz	15kHz	388500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.93	15.00
n25	25MHz	15kHz	388500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.11	16.00
n25	25MHz	15kHz	388500	33	CP-OFDM 256QAM^Inner_Full:PC3	14.88	15.00
n25	25MHz	15kHz	392500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.46	22.00
n25	25MHz	15kHz	392500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.43	22.00
n25	25MHz	15kHz	392500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.63	22.00
n25	25MHz	15kHz	392500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.98	21.00

n25	25MHz	15kHz	392500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.92	21.00
n25	25MHz	15kHz	392500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.12	22.00
n25	25MHz	15kHz	392500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.43	22.00
n25	25MHz	15kHz	392500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.35	22.00
n25	25MHz	15kHz	392500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.65	22.00
n25	25MHz	15kHz	392500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.44	21.00
n25	25MHz	15kHz	392500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.42	21.00
n25	25MHz	15kHz	392500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.62	21.00
n25	25MHz	15kHz	392500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.59	21.00
n25	25MHz	15kHz	392500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.54	21.00
n25	25MHz	15kHz	392500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.63	21.00
n25	25MHz	15kHz	392500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.14	20.00
n25	25MHz	15kHz	392500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.99	19.00
n25	25MHz	15kHz	392500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.17	20.00
n25	25MHz	15kHz	392500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.91	17.00
n25	25MHz	15kHz	392500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.02	18.00
n25	25MHz	15kHz	392500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.17	18.00
n25	25MHz	15kHz	396500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.23	22.00
n25	25MHz	15kHz	396500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.34	22.00
n25	25MHz	15kHz	396500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.48	22.00
n25	25MHz	15kHz	396500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.77	21.00
n25	25MHz	15kHz	396500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.88	21.00
n25	25MHz	15kHz	396500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.99	21.00
n25	25MHz	15kHz	396500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.27	22.00
n25	25MHz	15kHz	396500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.33	22.00
n25	25MHz	15kHz	396500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.51	22.00
n25	25MHz	15kHz	396500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.28	21.00
n25	25MHz	15kHz	396500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.41	21.00
n25	25MHz	15kHz	396500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.54	21.00
n25	25MHz	15kHz	396500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.40	21.00
n25	25MHz	15kHz	396500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.56	21.00
n25	25MHz	15kHz	396500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.49	21.00
n25	25MHz	15kHz	396500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.00	20.00
n25	25MHz	15kHz	396500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.14	20.00
n25	25MHz	15kHz	396500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.07	20.00
n25	25MHz	15kHz	396500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.85	17.00
n25	25MHz	15kHz	396500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.91	17.00
n25	25MHz	15kHz	396500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.03	18.00
n25	25MHz	15kHz	396500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.72	20.00
n25	25MHz	15kHz	396500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.74	20.00
n25	25MHz	15kHz	396500	24	CP-OFDM QPSK^Inner_Full:PC3	20.05	21.00
n25	25MHz	15kHz	396500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.41	20.00
n25	25MHz	15kHz	396500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.49	20.00
n25	25MHz	15kHz	396500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.52	20.00
n25	25MHz	15kHz	396500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.94	18.00
n25	25MHz	15kHz	396500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.05	19.00
n25	25MHz	15kHz	396500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.03	19.00
n25	25MHz	15kHz	396500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.97	15.00
n25	25MHz	15kHz	396500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.09	16.00
n25	25MHz	15kHz	396500	33	CP-OFDM 256QAM^Inner_Full:PC3	14.99	15.00
n25	30MHz	15kHz	389000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.59	22.00
n25	30MHz	15kHz	389000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.59	22.00
n25	30MHz	15kHz	389000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.67	22.00
n25	30MHz	15kHz	389000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.08	22.00
n25	30MHz	15kHz	389000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.11	22.00
n25	30MHz	15kHz	389000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.14	22.00
n25	30MHz	15kHz	389000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.54	22.00
n25	30MHz	15kHz	389000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.53	22.00
n25	30MHz	15kHz	389000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.70	22.00
n25	30MHz	15kHz	389000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.58	21.00
n25	30MHz	15kHz	389000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.60	21.00
n25	30MHz	15kHz	389000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.66	21.00
n25	30MHz	15kHz	389000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.70	21.00
n25	30MHz	15kHz	389000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.73	21.00
n25	30MHz	15kHz	389000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.70	21.00
n25	30MHz	15kHz	389000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.26	20.00
n25	30MHz	15kHz	389000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.20	20.00
n25	30MHz	15kHz	389000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.18	20.00
n25	30MHz	15kHz	389000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.92	17.00
n25	30MHz	15kHz	389000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.13	18.00
n25	30MHz	15kHz	389000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.09	18.00
n25	30MHz	15kHz	389000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.94	20.00
n25	30MHz	15kHz	389000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.99	20.00

n25	30MHz	15kHz	389000	24	CP-OFDM QPSK^Inner_Full:PC3	20.15	21.00
n25	30MHz	15kHz	389000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.69	20.00
n25	30MHz	15kHz	389000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.72	20.00
n25	30MHz	15kHz	389000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.61	20.00
n25	30MHz	15kHz	389000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.14	19.00
n25	30MHz	15kHz	389000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.28	19.00
n25	30MHz	15kHz	389000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.14	19.00
n25	30MHz	15kHz	389000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.15	16.00
n25	30MHz	15kHz	389000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.29	16.00
n25	30MHz	15kHz	389000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.07	16.00
n25	30MHz	15kHz	392500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.54	22.00
n25	30MHz	15kHz	392500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.53	22.00
n25	30MHz	15kHz	392500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.64	22.00
n25	30MHz	15kHz	392500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.04	22.00
n25	30MHz	15kHz	392500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.03	22.00
n25	30MHz	15kHz	392500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.15	22.00
n25	30MHz	15kHz	392500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.51	22.00
n25	30MHz	15kHz	392500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.42	22.00
n25	30MHz	15kHz	392500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.65	22.00
n25	30MHz	15kHz	392500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.48	21.00
n25	30MHz	15kHz	392500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.50	21.00
n25	30MHz	15kHz	392500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.66	21.00
n25	30MHz	15kHz	392500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.64	21.00
n25	30MHz	15kHz	392500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.61	21.00
n25	30MHz	15kHz	392500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.68	21.00
n25	30MHz	15kHz	392500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.15	20.00
n25	30MHz	15kHz	392500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.21	20.00
n25	30MHz	15kHz	392500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.15	20.00
n25	30MHz	15kHz	392500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.98	17.00
n25	30MHz	15kHz	392500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.02	18.00
n25	30MHz	15kHz	392500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.19	18.00
n25	30MHz	15kHz	396000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.50	22.00
n25	30MHz	15kHz	396000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.65	22.00
n25	30MHz	15kHz	396000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.63	22.00
n25	30MHz	15kHz	396000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.99	21.00
n25	30MHz	15kHz	396000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.12	22.00
n25	30MHz	15kHz	396000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.13	22.00
n25	30MHz	15kHz	396000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.52	22.00
n25	30MHz	15kHz	396000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.57	22.00
n25	30MHz	15kHz	396000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.63	22.00
n25	30MHz	15kHz	396000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.49	21.00
n25	30MHz	15kHz	396000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.61	21.00
n25	30MHz	15kHz	396000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.65	21.00
n25	30MHz	15kHz	396000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.65	21.00
n25	30MHz	15kHz	396000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.83	21.00
n25	30MHz	15kHz	396000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.67	21.00
n25	30MHz	15kHz	396000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.15	20.00
n25	30MHz	15kHz	396000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.23	20.00
n25	30MHz	15kHz	396000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.18	20.00
n25	30MHz	15kHz	396000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.08	18.00
n25	30MHz	15kHz	396000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.13	18.00
n25	30MHz	15kHz	396000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.12	18.00
n25	40MHz	15kHz	390000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.59	22.00
n25	40MHz	15kHz	390000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.55	22.00
n25	40MHz	15kHz	390000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.69	22.00
n25	40MHz	15kHz	390000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.08	22.00
n25	40MHz	15kHz	390000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.04	22.00
n25	40MHz	15kHz	390000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.08	22.00
n25	40MHz	15kHz	390000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.60	22.00
n25	40MHz	15kHz	390000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.50	22.00
n25	40MHz	15kHz	390000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.70	22.00
n25	40MHz	15kHz	390000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.61	21.00
n25	40MHz	15kHz	390000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.49	21.00
n25	40MHz	15kHz	390000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.62	21.00
n25	40MHz	15kHz	390000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.72	21.00
n25	40MHz	15kHz	390000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.72	21.00
n25	40MHz	15kHz	390000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.73	21.00
n25	40MHz	15kHz	390000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.18	20.00
n25	40MHz	15kHz	390000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.28	20.00
n25	40MHz	15kHz	390000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.22	20.00
n25	40MHz	15kHz	390000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.97	17.00
n25	40MHz	15kHz	390000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.04	18.00
n25	40MHz	15kHz	390000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.18	18.00

n25	40MHz	15kHz	390000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.87	20.00
n25	40MHz	15kHz	390000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.88	20.00
n25	40MHz	15kHz	390000	24	CP-OFDM QPSK^Inner_Full:PC3	20.13	21.00
n25	40MHz	15kHz	390000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.65	20.00
n25	40MHz	15kHz	390000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.59	20.00
n25	40MHz	15kHz	390000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.63	20.00
n25	40MHz	15kHz	390000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.04	19.00
n25	40MHz	15kHz	390000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.13	19.00
n25	40MHz	15kHz	390000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.15	19.00
n25	40MHz	15kHz	390000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.05	16.00
n25	40MHz	15kHz	390000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.14	16.00
n25	40MHz	15kHz	390000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.10	16.00
n25	40MHz	15kHz	392500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.47	22.00
n25	40MHz	15kHz	392500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.55	22.00
n25	40MHz	15kHz	392500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.64	22.00
n25	40MHz	15kHz	392500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.99	21.00
n25	40MHz	15kHz	392500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.07	22.00
n25	40MHz	15kHz	392500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.12	22.00
n25	40MHz	15kHz	392500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.46	22.00
n25	40MHz	15kHz	392500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.50	22.00
n25	40MHz	15kHz	392500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.67	22.00
n25	40MHz	15kHz	392500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.47	21.00
n25	40MHz	15kHz	392500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.57	21.00
n25	40MHz	15kHz	392500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.63	21.00
n25	40MHz	15kHz	392500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.62	21.00
n25	40MHz	15kHz	392500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.71	21.00
n25	40MHz	15kHz	392500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.68	21.00
n25	40MHz	15kHz	392500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.05	20.00
n25	40MHz	15kHz	392500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.16	20.00
n25	40MHz	15kHz	392500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.19	20.00
n25	40MHz	15kHz	392500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.95	17.00
n25	40MHz	15kHz	392500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.87	17.00
n25	40MHz	15kHz	392500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.20	18.00
n25	40MHz	15kHz	395000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.54	22.00
n25	40MHz	15kHz	395000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.65	22.00
n25	40MHz	15kHz	395000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.62	22.00
n25	40MHz	15kHz	395000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.07	22.00
n25	40MHz	15kHz	395000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.12	22.00
n25	40MHz	15kHz	395000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.09	22.00
n25	40MHz	15kHz	395000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.51	22.00
n25	40MHz	15kHz	395000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.53	22.00
n25	40MHz	15kHz	395000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.65	22.00
n25	40MHz	15kHz	395000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.52	21.00
n25	40MHz	15kHz	395000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.62	21.00
n25	40MHz	15kHz	395000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.62	21.00
n25	40MHz	15kHz	395000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.68	21.00
n25	40MHz	15kHz	395000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.83	21.00
n25	40MHz	15kHz	395000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.67	21.00
n25	40MHz	15kHz	395000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.16	20.00
n25	40MHz	15kHz	395000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.31	20.00
n25	40MHz	15kHz	395000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.16	20.00
n25	40MHz	15kHz	395000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.01	18.00
n25	40MHz	15kHz	395000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.09	18.00
n25	40MHz	15kHz	395000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.16	18.00
n25	40MHz	15kHz	395000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.96	20.00
n25	40MHz	15kHz	395000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.01	21.00
n25	40MHz	15kHz	395000	24	CP-OFDM QPSK^Inner_Full:PC3	20.11	21.00
n25	40MHz	15kHz	395000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.64	20.00
n25	40MHz	15kHz	395000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.77	20.00
n25	40MHz	15kHz	395000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.60	20.00
n25	40MHz	15kHz	395000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.18	19.00
n25	40MHz	15kHz	395000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.15	19.00
n25	40MHz	15kHz	395000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.16	19.00
n25	40MHz	15kHz	395000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.13	16.00
n25	40MHz	15kHz	395000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.18	16.00
n25	40MHz	15kHz	395000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.11	16.00

7.1.24. Conducted Power Measurement Results(5G NR Band 26)

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	Tune Up (dBm)
n26	5MHz	15kHz	172300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.61	23.00
n26	5MHz	15kHz	172300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.65	23.00
n26	5MHz	15kHz	172300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.78	23.00
n26	5MHz	15kHz	172300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.10	23.00
n26	5MHz	15kHz	172300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.12	23.00
n26	5MHz	15kHz	172300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.25	23.00
n26	5MHz	15kHz	172300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.57	23.00
n26	5MHz	15kHz	172300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.62	23.00
n26	5MHz	15kHz	172300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.77	23.00
n26	5MHz	15kHz	172300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.66	22.00
n26	5MHz	15kHz	172300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.71	22.00
n26	5MHz	15kHz	172300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.83	22.00
n26	5MHz	15kHz	172300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.80	22.00
n26	5MHz	15kHz	172300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.83	22.00
n26	5MHz	15kHz	172300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.81	22.00
n26	5MHz	15kHz	172300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.36	21.00
n26	5MHz	15kHz	172300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.37	21.00
n26	5MHz	15kHz	172300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.34	21.00
n26	5MHz	15kHz	172300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.18	19.00
n26	5MHz	15kHz	172300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.13	19.00
n26	5MHz	15kHz	172300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.34	19.00
n26	5MHz	15kHz	172300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.02	22.00
n26	5MHz	15kHz	172300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.03	22.00
n26	5MHz	15kHz	172300	24	CP-OFDM QPSK^Inner_Full:PC3	21.29	22.00
n26	5MHz	15kHz	172300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.77	21.00
n26	5MHz	15kHz	172300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.78	21.00
n26	5MHz	15kHz	172300	27	CP-OFDM 16QAM^Inner_Full:PC3	20.77	21.00
n26	5MHz	15kHz	172300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.14	20.00
n26	5MHz	15kHz	172300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.23	20.00
n26	5MHz	15kHz	172300	30	CP-OFDM 64QAM^Inner_Full:PC3	19.31	20.00
n26	5MHz	15kHz	172300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.31	17.00
n26	5MHz	15kHz	172300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.26	17.00
n26	5MHz	15kHz	172300	33	CP-OFDM 256QAM^Inner_Full:PC3	16.24	17.00
n26	5MHz	15kHz	172800	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.66	23.00
n26	5MHz	15kHz	172800	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.70	23.00
n26	5MHz	15kHz	172800	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.75	23.00
n26	5MHz	15kHz	172800	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.16	23.00
n26	5MHz	15kHz	172800	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.17	23.00
n26	5MHz	15kHz	172800	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.29	23.00
n26	5MHz	15kHz	172800	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.63	23.00
n26	5MHz	15kHz	172800	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.69	23.00
n26	5MHz	15kHz	172800	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.74	23.00
n26	5MHz	15kHz	172800	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.71	22.00
n26	5MHz	15kHz	172800	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.74	22.00
n26	5MHz	15kHz	172800	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.85	22.00
n26	5MHz	15kHz	172800	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.85	22.00
n26	5MHz	15kHz	172800	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.88	22.00
n26	5MHz	15kHz	172800	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.80	22.00
n26	5MHz	15kHz	172800	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.41	21.00
n26	5MHz	15kHz	172800	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.35	21.00
n26	5MHz	15kHz	172800	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.34	21.00
n26	5MHz	15kHz	172800	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.18	19.00
n26	5MHz	15kHz	172800	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.20	19.00
n26	5MHz	15kHz	172800	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.34	19.00
n26	5MHz	15kHz	172800	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.20	22.00
n26	5MHz	15kHz	172800	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.07	22.00
n26	5MHz	15kHz	172800	24	CP-OFDM QPSK^Inner_Full:PC3	21.31	22.00
n26	5MHz	15kHz	172800	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.83	21.00
n26	5MHz	15kHz	172800	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.88	21.00
n26	5MHz	15kHz	172800	27	CP-OFDM 16QAM^Inner_Full:PC3	20.77	21.00
n26	5MHz	15kHz	172800	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.21	20.00
n26	5MHz	15kHz	172800	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.24	20.00
n26	5MHz	15kHz	172800	30	CP-OFDM 64QAM^Inner_Full:PC3	19.29	20.00
n26	5MHz	15kHz	172800	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.33	17.00
n26	5MHz	15kHz	172800	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.34	17.00
n26	5MHz	15kHz	172800	33	CP-OFDM 256QAM^Inner_Full:PC3	16.29	17.00
n26	5MHz	15kHz	173300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.68	23.00
n26	5MHz	15kHz	173300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.63	23.00
n26	5MHz	15kHz	173300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.83	23.00

n26	5MHz	15kHz	173300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.17	23.00
n26	5MHz	15kHz	173300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.15	23.00
n26	5MHz	15kHz	173300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.29	23.00
n26	5MHz	15kHz	173300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.65	23.00
n26	5MHz	15kHz	173300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.66	23.00
n26	5MHz	15kHz	173300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.80	23.00
n26	5MHz	15kHz	173300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.71	22.00
n26	5MHz	15kHz	173300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.75	22.00
n26	5MHz	15kHz	173300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.88	22.00
n26	5MHz	15kHz	173300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.79	22.00
n26	5MHz	15kHz	173300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.95	22.00
n26	5MHz	15kHz	173300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.82	22.00
n26	5MHz	15kHz	173300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.40	21.00
n26	5MHz	15kHz	173300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.46	21.00
n26	5MHz	15kHz	173300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.37	21.00
n26	5MHz	15kHz	173300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.22	19.00
n26	5MHz	15kHz	173300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.19	19.00
n26	5MHz	15kHz	173300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.35	19.00
n26	5MHz	15kHz	173300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.17	22.00
n26	5MHz	15kHz	173300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.16	22.00
n26	5MHz	15kHz	173300	24	CP-OFDM QPSK^Inner_Full:PC3	21.33	22.00
n26	5MHz	15kHz	173300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.83	21.00
n26	5MHz	15kHz	173300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.80	21.00
n26	5MHz	15kHz	173300	27	CP-OFDM 16QAM^Inner_Full:PC3	20.80	21.00
n26	5MHz	15kHz	173300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.29	20.00
n26	5MHz	15kHz	173300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.27	20.00
n26	5MHz	15kHz	173300	30	CP-OFDM 64QAM^Inner_Full:PC3	19.34	20.00
n26	5MHz	15kHz	173300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.35	17.00
n26	5MHz	15kHz	173300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.23	17.00
n26	5MHz	15kHz	173300	33	CP-OFDM 256QAM^Inner_Full:PC3	16.31	17.00
n26	10MHz	15kHz	172800	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.64	23.00
n26	10MHz	15kHz	172800	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.67	23.00
n26	10MHz	15kHz	172800	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.73	23.00
n26	10MHz	15kHz	172800	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.14	23.00
n26	10MHz	15kHz	172800	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.18	23.00
n26	10MHz	15kHz	172800	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.23	23.00
n26	10MHz	15kHz	172800	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.61	23.00
n26	10MHz	15kHz	172800	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.69	23.00
n26	10MHz	15kHz	172800	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.73	23.00
n26	10MHz	15kHz	172800	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.65	22.00
n26	10MHz	15kHz	172800	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.76	22.00
n26	10MHz	15kHz	172800	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.79	22.00
n26	10MHz	15kHz	172800	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.79	22.00
n26	10MHz	15kHz	172800	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.85	22.00
n26	10MHz	15kHz	172800	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.81	22.00
n26	10MHz	15kHz	172800	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.36	21.00
n26	10MHz	15kHz	172800	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.48	21.00
n26	10MHz	15kHz	172800	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.35	21.00
n26	10MHz	15kHz	172800	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.19	19.00
n26	10MHz	15kHz	172800	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.21	19.00
n26	10MHz	15kHz	172800	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.25	19.00
n26	10MHz	15kHz	172800	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.16	22.00
n26	10MHz	15kHz	172800	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.19	22.00
n26	10MHz	15kHz	172800	24	CP-OFDM QPSK^Inner_Full:PC3	21.27	22.00
n26	10MHz	15kHz	172800	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.75	21.00
n26	10MHz	15kHz	172800	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.87	21.00
n26	10MHz	15kHz	172800	27	CP-OFDM 16QAM^Inner_Full:PC3	20.75	21.00
n26	10MHz	15kHz	172800	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.20	20.00
n26	10MHz	15kHz	172800	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.30	20.00
n26	10MHz	15kHz	172800	30	CP-OFDM 64QAM^Inner_Full:PC3	19.30	20.00
n26	10MHz	15kHz	172800	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.31	17.00
n26	10MHz	15kHz	172800	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.40	17.00
n26	10MHz	15kHz	172800	33	CP-OFDM 256QAM^Inner_Full:PC3	16.27	17.00

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	Tune Up (dBm)
n26	5MHz	15kHz	174300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.55	23.00
n26	5MHz	15kHz	174300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.58	23.00
n26	5MHz	15kHz	174300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.68	23.00
n26	5MHz	15kHz	174300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.07	23.00
n26	5MHz	15kHz	174300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.08	23.00
n26	5MHz	15kHz	174300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.19	23.00
n26	5MHz	15kHz	174300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.61	23.00
n26	5MHz	15kHz	174300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.52	23.00

n26	5MHz	15kHz	174300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.72	23.00
n26	5MHz	15kHz	174300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.63	22.00
n26	5MHz	15kHz	174300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.59	22.00
n26	5MHz	15kHz	174300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.75	22.00
n26	5MHz	15kHz	174300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.83	22.00
n26	5MHz	15kHz	174300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.74	22.00
n26	5MHz	15kHz	174300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.69	22.00
n26	5MHz	15kHz	174300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.26	21.00
n26	5MHz	15kHz	174300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.34	21.00
n26	5MHz	15kHz	174300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.24	21.00
n26	5MHz	15kHz	174300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.19	19.00
n26	5MHz	15kHz	174300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.04	19.00
n26	5MHz	15kHz	174300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.28	19.00
n26	5MHz	15kHz	174300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.06	22.00
n26	5MHz	15kHz	174300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.99	21.00
n26	5MHz	15kHz	174300	24	CP-OFDM QPSK^Inner_Full:PC3	21.16	22.00
n26	5MHz	15kHz	174300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.76	21.00
n26	5MHz	15kHz	174300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.71	21.00
n26	5MHz	15kHz	174300	27	CP-OFDM 16QAM^Inner_Full:PC3	20.71	21.00
n26	5MHz	15kHz	174300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.20	20.00
n26	5MHz	15kHz	174300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.03	20.00
n26	5MHz	15kHz	174300	30	CP-OFDM 64QAM^Inner_Full:PC3	19.22	20.00
n26	5MHz	15kHz	174300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.24	17.00
n26	5MHz	15kHz	174300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.13	17.00
n26	5MHz	15kHz	174300	33	CP-OFDM 256QAM^Inner_Full:PC3	16.16	17.00
n26	5MHz	15kHz	176300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.52	23.00
n26	5MHz	15kHz	176300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.45	23.00
n26	5MHz	15kHz	176300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.59	23.00
n26	5MHz	15kHz	176300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.02	23.00
n26	5MHz	15kHz	176300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.97	22.00
n26	5MHz	15kHz	176300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.08	23.00
n26	5MHz	15kHz	176300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.52	23.00
n26	5MHz	15kHz	176300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.49	23.00
n26	5MHz	15kHz	176300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.57	23.00
n26	5MHz	15kHz	176300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.61	22.00
n26	5MHz	15kHz	176300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.59	22.00
n26	5MHz	15kHz	176300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.67	22.00
n26	5MHz	15kHz	176300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.68	22.00
n26	5MHz	15kHz	176300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.73	22.00
n26	5MHz	15kHz	176300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.64	22.00
n26	5MHz	15kHz	176300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.20	21.00
n26	5MHz	15kHz	176300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.20	21.00
n26	5MHz	15kHz	176300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.19	21.00
n26	5MHz	15kHz	176300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.08	19.00
n26	5MHz	15kHz	176300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.06	19.00
n26	5MHz	15kHz	176300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.17	19.00
n26	5MHz	15kHz	176300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.97	21.00
n26	5MHz	15kHz	176300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.91	21.00
n26	5MHz	15kHz	176300	24	CP-OFDM QPSK^Inner_Full:PC3	21.14	22.00
n26	5MHz	15kHz	176300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.73	21.00
n26	5MHz	15kHz	176300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.64	21.00
n26	5MHz	15kHz	176300	27	CP-OFDM 16QAM^Inner_Full:PC3	20.60	21.00
n26	5MHz	15kHz	176300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.18	20.00
n26	5MHz	15kHz	176300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.14	20.00
n26	5MHz	15kHz	176300	30	CP-OFDM 64QAM^Inner_Full:PC3	19.16	20.00
n26	5MHz	15kHz	176300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.15	17.00
n26	5MHz	15kHz	176300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.18	17.00
n26	5MHz	15kHz	176300	33	CP-OFDM 256QAM^Inner_Full:PC3	16.12	17.00
n26	5MHz	15kHz	178300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.63	23.00
n26	5MHz	15kHz	178300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.60	23.00
n26	5MHz	15kHz	178300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.68	23.00
n26	5MHz	15kHz	178300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.14	23.00
n26	5MHz	15kHz	178300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.09	23.00
n26	5MHz	15kHz	178300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.25	23.00
n26	5MHz	15kHz	178300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.60	23.00
n26	5MHz	15kHz	178300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.59	23.00
n26	5MHz	15kHz	178300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.73	23.00
n26	5MHz	15kHz	178300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.69	22.00
n26	5MHz	15kHz	178300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.70	22.00
n26	5MHz	15kHz	178300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.80	22.00
n26	5MHz	15kHz	178300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.84	22.00
n26	5MHz	15kHz	178300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.84	22.00
n26	5MHz	15kHz	178300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.77	22.00

n26	5MHz	15kHz	178300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.32	21.00
n26	5MHz	15kHz	178300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.33	21.00
n26	5MHz	15kHz	178300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.33	21.00
n26	5MHz	15kHz	178300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.18	19.00
n26	5MHz	15kHz	178300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.27	19.00
n26	5MHz	15kHz	178300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.31	19.00
n26	5MHz	15kHz	178300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.98	21.00
n26	5MHz	15kHz	178300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.04	22.00
n26	5MHz	15kHz	178300	24	CP-OFDM QPSK^Inner_Full:PC3	21.25	22.00
n26	5MHz	15kHz	178300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.81	21.00
n26	5MHz	15kHz	178300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.81	21.00
n26	5MHz	15kHz	178300	27	CP-OFDM 16QAM^Inner_Full:PC3	20.73	21.00
n26	5MHz	15kHz	178300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.25	20.00
n26	5MHz	15kHz	178300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.28	20.00
n26	5MHz	15kHz	178300	30	CP-OFDM 64QAM^Inner_Full:PC3	19.27	20.00
n26	5MHz	15kHz	178300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.31	17.00
n26	5MHz	15kHz	178300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.30	17.00
n26	5MHz	15kHz	178300	33	CP-OFDM 256QAM^Inner_Full:PC3	16.24	17.00
n26	10MHz	15kHz	174800	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.63	23.00
n26	10MHz	15kHz	174800	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.56	23.00
n26	10MHz	15kHz	174800	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.63	23.00
n26	10MHz	15kHz	174800	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.16	23.00
n26	10MHz	15kHz	174800	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.04	23.00
n26	10MHz	15kHz	174800	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.12	23.00
n26	10MHz	15kHz	174800	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.59	23.00
n26	10MHz	15kHz	174800	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.54	23.00
n26	10MHz	15kHz	174800	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.62	23.00
n26	10MHz	15kHz	174800	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.70	22.00
n26	10MHz	15kHz	174800	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.63	22.00
n26	10MHz	15kHz	174800	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.70	22.00
n26	10MHz	15kHz	174800	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.88	22.00
n26	10MHz	15kHz	174800	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.72	22.00
n26	10MHz	15kHz	174800	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.75	22.00
n26	10MHz	15kHz	174800	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.31	21.00
n26	10MHz	15kHz	174800	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.25	21.00
n26	10MHz	15kHz	174800	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.28	21.00
n26	10MHz	15kHz	174800	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.06	19.00
n26	10MHz	15kHz	174800	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.06	19.00
n26	10MHz	15kHz	174800	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.17	19.00
n26	10MHz	15kHz	174800	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.07	22.00
n26	10MHz	15kHz	174800	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.08	22.00
n26	10MHz	15kHz	174800	24	CP-OFDM QPSK^Inner_Full:PC3	21.21	22.00
n26	10MHz	15kHz	174800	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.74	21.00
n26	10MHz	15kHz	174800	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.77	21.00
n26	10MHz	15kHz	174800	27	CP-OFDM 16QAM^Inner_Full:PC3	20.70	21.00
n26	10MHz	15kHz	174800	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.23	20.00
n26	10MHz	15kHz	174800	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.25	20.00
n26	10MHz	15kHz	174800	30	CP-OFDM 64QAM^Inner_Full:PC3	19.20	20.00
n26	10MHz	15kHz	174800	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.32	17.00
n26	10MHz	15kHz	174800	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.27	17.00
n26	10MHz	15kHz	174800	33	CP-OFDM 256QAM^Inner_Full:PC3	16.18	17.00
n26	10MHz	15kHz	176300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.59	23.00
n26	10MHz	15kHz	176300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.54	23.00
n26	10MHz	15kHz	176300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.51	23.00
n26	10MHz	15kHz	176300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.08	23.00
n26	10MHz	15kHz	176300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.06	23.00
n26	10MHz	15kHz	176300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.05	23.00
n26	10MHz	15kHz	176300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.57	23.00
n26	10MHz	15kHz	176300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.50	23.00
n26	10MHz	15kHz	176300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.53	23.00
n26	10MHz	15kHz	176300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.62	22.00
n26	10MHz	15kHz	176300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.56	22.00
n26	10MHz	15kHz	176300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.62	22.00
n26	10MHz	15kHz	176300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.74	22.00
n26	10MHz	15kHz	176300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.69	22.00
n26	10MHz	15kHz	176300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.64	22.00
n26	10MHz	15kHz	176300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.34	21.00
n26	10MHz	15kHz	176300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.27	21.00
n26	10MHz	15kHz	176300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.19	21.00
n26	10MHz	15kHz	176300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.08	19.00
n26	10MHz	15kHz	176300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.08	19.00
n26	10MHz	15kHz	176300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.09	19.00
n26	10MHz	15kHz	176300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.03	22.00

n26	10MHz	15kHz	176300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.98	21.00
n26	10MHz	15kHz	176300	24	CP-OFDM QPSK^Inner_Full:PC3	21.09	22.00
n26	10MHz	15kHz	176300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.73	21.00
n26	10MHz	15kHz	176300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.68	21.00
n26	10MHz	15kHz	176300	27	CP-OFDM 16QAM^Inner_Full:PC3	20.61	21.00
n26	10MHz	15kHz	176300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.21	20.00
n26	10MHz	15kHz	176300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.14	20.00
n26	10MHz	15kHz	176300	30	CP-OFDM 64QAM^Inner_Full:PC3	19.13	20.00
n26	10MHz	15kHz	176300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.26	17.00
n26	10MHz	15kHz	176300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.28	17.00
n26	10MHz	15kHz	176300	33	CP-OFDM 256QAM^Inner_Full:PC3	16.10	17.00
n26	10MHz	15kHz	177800	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.52	23.00
n26	10MHz	15kHz	177800	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.59	23.00
n26	10MHz	15kHz	177800	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.64	23.00
n26	10MHz	15kHz	177800	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.99	22.00
n26	10MHz	15kHz	177800	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.11	23.00
n26	10MHz	15kHz	177800	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.13	23.00
n26	10MHz	15kHz	177800	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.53	23.00
n26	10MHz	15kHz	177800	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.54	23.00
n26	10MHz	15kHz	177800	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.63	23.00
n26	10MHz	15kHz	177800	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.55	22.00
n26	10MHz	15kHz	177800	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.70	22.00
n26	10MHz	15kHz	177800	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.71	22.00
n26	10MHz	15kHz	177800	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.68	22.00
n26	10MHz	15kHz	177800	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.87	22.00
n26	10MHz	15kHz	177800	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.71	22.00
n26	10MHz	15kHz	177800	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.22	21.00
n26	10MHz	15kHz	177800	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.42	21.00
n26	10MHz	15kHz	177800	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.26	21.00
n26	10MHz	15kHz	177800	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.04	19.00
n26	10MHz	15kHz	177800	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.23	19.00
n26	10MHz	15kHz	177800	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.18	19.00
n26	10MHz	15kHz	177800	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.98	21.00
n26	10MHz	15kHz	177800	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.14	22.00
n26	10MHz	15kHz	177800	24	CP-OFDM QPSK^Inner_Full:PC3	21.17	22.00
n26	10MHz	15kHz	177800	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.64	21.00
n26	10MHz	15kHz	177800	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.81	21.00
n26	10MHz	15kHz	177800	27	CP-OFDM 16QAM^Inner_Full:PC3	20.66	21.00
n26	10MHz	15kHz	177800	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.14	20.00
n26	10MHz	15kHz	177800	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.19	20.00
n26	10MHz	15kHz	177800	30	CP-OFDM 64QAM^Inner_Full:PC3	19.21	20.00
n26	10MHz	15kHz	177800	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.13	17.00
n26	10MHz	15kHz	177800	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.30	17.00
n26	10MHz	15kHz	177800	33	CP-OFDM 256QAM^Inner_Full:PC3	16.17	17.00
n26	15MHz	15kHz	175300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.68	23.00
n26	15MHz	15kHz	175300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.55	23.00
n26	15MHz	15kHz	175300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.62	23.00
n26	15MHz	15kHz	175300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.20	23.00
n26	15MHz	15kHz	175300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.04	23.00
n26	15MHz	15kHz	175300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.17	23.00
n26	15MHz	15kHz	175300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.69	23.00
n26	15MHz	15kHz	175300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.52	23.00
n26	15MHz	15kHz	175300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.67	23.00
n26	15MHz	15kHz	175300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.71	22.00
n26	15MHz	15kHz	175300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.58	22.00
n26	15MHz	15kHz	175300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.74	22.00
n26	15MHz	15kHz	175300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.90	22.00
n26	15MHz	15kHz	175300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.70	22.00
n26	15MHz	15kHz	175300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.78	22.00
n26	15MHz	15kHz	175300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.40	21.00
n26	15MHz	15kHz	175300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.29	21.00
n26	15MHz	15kHz	175300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.26	21.00
n26	15MHz	15kHz	175300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.11	19.00
n26	15MHz	15kHz	175300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.06	19.00
n26	15MHz	15kHz	175300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.20	19.00
n26	15MHz	15kHz	175300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.19	22.00
n26	15MHz	15kHz	175300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.03	22.00
n26	15MHz	15kHz	175300	24	CP-OFDM QPSK^Inner_Full:PC3	21.23	22.00
n26	15MHz	15kHz	175300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.77	21.00
n26	15MHz	15kHz	175300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.70	21.00
n26	15MHz	15kHz	175300	27	CP-OFDM 16QAM^Inner_Full:PC3	20.76	21.00
n26	15MHz	15kHz	175300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.30	20.00
n26	15MHz	15kHz	175300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.15	20.00

n26	15MHz	15kHz	175300	30	CP-OFDM 64QAM^Inner_Full:PC3	19.25	20.00
n26	15MHz	15kHz	175300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.30	17.00
n26	15MHz	15kHz	175300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.23	17.00
n26	15MHz	15kHz	175300	33	CP-OFDM 256QAM^Inner_Full:PC3	16.22	17.00
n26	15MHz	15kHz	176300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.66	23.00
n26	15MHz	15kHz	176300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.63	23.00
n26	15MHz	15kHz	176300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.53	23.00
n26	15MHz	15kHz	176300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.17	23.00
n26	15MHz	15kHz	176300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.17	23.00
n26	15MHz	15kHz	176300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.11	23.00
n26	15MHz	15kHz	176300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.61	23.00
n26	15MHz	15kHz	176300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.56	23.00
n26	15MHz	15kHz	176300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.59	23.00
n26	15MHz	15kHz	176300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.72	22.00
n26	15MHz	15kHz	176300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.68	22.00
n26	15MHz	15kHz	176300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.67	22.00
n26	15MHz	15kHz	176300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.80	22.00
n26	15MHz	15kHz	176300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.82	22.00
n26	15MHz	15kHz	176300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.71	22.00
n26	15MHz	15kHz	176300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.42	21.00
n26	15MHz	15kHz	176300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.32	21.00
n26	15MHz	15kHz	176300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.19	21.00
n26	15MHz	15kHz	176300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.06	19.00
n26	15MHz	15kHz	176300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.08	19.00
n26	15MHz	15kHz	176300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.14	19.00
n26	15MHz	15kHz	176300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.06	22.00
n26	15MHz	15kHz	176300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.11	22.00
n26	15MHz	15kHz	176300	24	CP-OFDM QPSK^Inner_Full:PC3	21.16	22.00
n26	15MHz	15kHz	176300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.75	21.00
n26	15MHz	15kHz	176300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.76	21.00
n26	15MHz	15kHz	176300	27	CP-OFDM 16QAM^Inner_Full:PC3	20.67	21.00
n26	15MHz	15kHz	176300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.25	20.00
n26	15MHz	15kHz	176300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.24	20.00
n26	15MHz	15kHz	176300	30	CP-OFDM 64QAM^Inner_Full:PC3	19.19	20.00
n26	15MHz	15kHz	176300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.21	17.00
n26	15MHz	15kHz	176300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.28	17.00
n26	15MHz	15kHz	176300	33	CP-OFDM 256QAM^Inner_Full:PC3	16.15	17.00
n26	15MHz	15kHz	177300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.60	23.00
n26	15MHz	15kHz	177300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.66	23.00
n26	15MHz	15kHz	177300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.60	23.00
n26	15MHz	15kHz	177300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.08	23.00
n26	15MHz	15kHz	177300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.16	23.00
n26	15MHz	15kHz	177300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.14	23.00
n26	15MHz	15kHz	177300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.52	23.00
n26	15MHz	15kHz	177300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.61	23.00
n26	15MHz	15kHz	177300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.63	23.00
n26	15MHz	15kHz	177300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.64	22.00
n26	15MHz	15kHz	177300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.76	22.00
n26	15MHz	15kHz	177300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.71	22.00
n26	15MHz	15kHz	177300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.70	22.00
n26	15MHz	15kHz	177300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.86	22.00
n26	15MHz	15kHz	177300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.70	22.00
n26	15MHz	15kHz	177300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.32	21.00
n26	15MHz	15kHz	177300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.37	21.00
n26	15MHz	15kHz	177300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.19	21.00
n26	15MHz	15kHz	177300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.08	19.00
n26	15MHz	15kHz	177300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.23	19.00
n26	15MHz	15kHz	177300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.15	19.00
n26	15MHz	15kHz	177300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.02	22.00
n26	15MHz	15kHz	177300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.12	22.00
n26	15MHz	15kHz	177300	24	CP-OFDM QPSK^Inner_Full:PC3	21.22	22.00
n26	15MHz	15kHz	177300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.76	21.00
n26	15MHz	15kHz	177300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.91	21.00
n26	15MHz	15kHz	177300	27	CP-OFDM 16QAM^Inner_Full:PC3	20.75	21.00
n26	15MHz	15kHz	177300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.22	20.00
n26	15MHz	15kHz	177300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.31	20.00
n26	15MHz	15kHz	177300	30	CP-OFDM 64QAM^Inner_Full:PC3	19.25	20.00
n26	15MHz	15kHz	177300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.27	17.00
n26	15MHz	15kHz	177300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.36	17.00
n26	15MHz	15kHz	177300	33	CP-OFDM 256QAM^Inner_Full:PC3	16.17	17.00
n26	20MHz	15kHz	175800	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.70	23.00
n26	20MHz	15kHz	175800	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.62	23.00
n26	20MHz	15kHz	175800	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.63	23.00

n26	20MHz	15kHz	175800	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.23	23.00
n26	20MHz	15kHz	175800	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.15	23.00
n26	20MHz	15kHz	175800	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.12	23.00
n26	20MHz	15kHz	175800	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.69	23.00
n26	20MHz	15kHz	175800	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.61	23.00
n26	20MHz	15kHz	175800	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.66	23.00
n26	20MHz	15kHz	175800	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.73	22.00
n26	20MHz	15kHz	175800	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.67	22.00
n26	20MHz	15kHz	175800	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.68	22.00
n26	20MHz	15kHz	175800	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.90	22.00
n26	20MHz	15kHz	175800	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.84	22.00
n26	20MHz	15kHz	175800	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.71	22.00
n26	20MHz	15kHz	175800	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.40	21.00
n26	20MHz	15kHz	175800	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.38	21.00
n26	20MHz	15kHz	175800	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.21	21.00
n26	20MHz	15kHz	175800	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.24	19.00
n26	20MHz	15kHz	175800	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.10	19.00
n26	20MHz	15kHz	175800	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.21	19.00
n26	20MHz	15kHz	175800	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.13	22.00
n26	20MHz	15kHz	175800	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.08	22.00
n26	20MHz	15kHz	175800	24	CP-OFDM QPSK^Inner_Full:PC3	21.20	22.00
n26	20MHz	15kHz	175800	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.81	21.00
n26	20MHz	15kHz	175800	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.77	21.00
n26	20MHz	15kHz	175800	27	CP-OFDM 16QAM^Inner_Full:PC3	20.69	21.00
n26	20MHz	15kHz	175800	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.27	20.00
n26	20MHz	15kHz	175800	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.15	20.00
n26	20MHz	15kHz	175800	30	CP-OFDM 64QAM^Inner_Full:PC3	19.16	20.00
n26	20MHz	15kHz	175800	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.38	17.00
n26	20MHz	15kHz	175800	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.34	17.00
n26	20MHz	15kHz	175800	33	CP-OFDM 256QAM^Inner_Full:PC3	16.15	17.00
n26	20MHz	15kHz	176300	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.69	23.00
n26	20MHz	15kHz	176300	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.69	23.00
n26	20MHz	15kHz	176300	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.67	23.00
n26	20MHz	15kHz	176300	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.23	23.00
n26	20MHz	15kHz	176300	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.18	23.00
n26	20MHz	15kHz	176300	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.14	23.00
n26	20MHz	15kHz	176300	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.64	23.00
n26	20MHz	15kHz	176300	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.61	23.00
n26	20MHz	15kHz	176300	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.65	23.00
n26	20MHz	15kHz	176300	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.68	22.00
n26	20MHz	15kHz	176300	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.72	22.00
n26	20MHz	15kHz	176300	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.70	22.00
n26	20MHz	15kHz	176300	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.87	22.00
n26	20MHz	15kHz	176300	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.89	22.00
n26	20MHz	15kHz	176300	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.69	22.00
n26	20MHz	15kHz	176300	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.47	21.00
n26	20MHz	15kHz	176300	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.36	21.00
n26	20MHz	15kHz	176300	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.20	21.00
n26	20MHz	15kHz	176300	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.23	19.00
n26	20MHz	15kHz	176300	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.24	19.00
n26	20MHz	15kHz	176300	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.17	19.00
n26	20MHz	15kHz	176300	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.11	22.00
n26	20MHz	15kHz	176300	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.18	22.00
n26	20MHz	15kHz	176300	24	CP-OFDM QPSK^Inner_Full:PC3	21.20	22.00
n26	20MHz	15kHz	176300	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.76	21.00
n26	20MHz	15kHz	176300	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.82	21.00
n26	20MHz	15kHz	176300	27	CP-OFDM 16QAM^Inner_Full:PC3	20.71	21.00
n26	20MHz	15kHz	176300	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.27	20.00
n26	20MHz	15kHz	176300	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.22	20.00
n26	20MHz	15kHz	176300	30	CP-OFDM 64QAM^Inner_Full:PC3	19.17	20.00
n26	20MHz	15kHz	176300	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.27	17.00
n26	20MHz	15kHz	176300	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.39	17.00
n26	20MHz	15kHz	176300	33	CP-OFDM 256QAM^Inner_Full:PC3	16.13	17.00
n26	20MHz	15kHz	176800	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.72	23.00
n26	20MHz	15kHz	176800	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.65	23.00
n26	20MHz	15kHz	176800	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.67	23.00
n26	20MHz	15kHz	176800	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.23	23.00
n26	20MHz	15kHz	176800	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.18	23.00
n26	20MHz	15kHz	176800	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.19	23.00
n26	20MHz	15kHz	176800	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.70	23.00
n26	20MHz	15kHz	176800	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.59	23.00
n26	20MHz	15kHz	176800	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.65	23.00
n26	20MHz	15kHz	176800	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.74	22.00

n26	20MHz	15kHz	176800	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.74	22.00
n26	20MHz	15kHz	176800	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.75	22.00
n26	20MHz	15kHz	176800	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.84	22.00
n26	20MHz	15kHz	176800	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.91	22.00
n26	20MHz	15kHz	176800	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.71	22.00
n26	20MHz	15kHz	176800	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.32	21.00
n26	20MHz	15kHz	176800	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.45	21.00
n26	20MHz	15kHz	176800	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.22	21.00
n26	20MHz	15kHz	176800	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.08	19.00
n26	20MHz	15kHz	176800	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.28	19.00
n26	20MHz	15kHz	176800	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.21	19.00
n26	20MHz	15kHz	176800	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.11	22.00
n26	20MHz	15kHz	176800	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.38	22.00
n26	20MHz	15kHz	176800	24	CP-OFDM QPSK^Inner_Full:PC3	21.21	22.00
n26	20MHz	15kHz	176800	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.87	21.00
n26	20MHz	15kHz	176800	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.82	21.00
n26	20MHz	15kHz	176800	27	CP-OFDM 16QAM^Inner_Full:PC3	20.72	21.00
n26	20MHz	15kHz	176800	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.28	20.00
n26	20MHz	15kHz	176800	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.22	20.00
n26	20MHz	15kHz	176800	30	CP-OFDM 64QAM^Inner_Full:PC3	19.21	20.00
n26	20MHz	15kHz	176800	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.28	17.00
n26	20MHz	15kHz	176800	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.32	17.00
n26	20MHz	15kHz	176800	33	CP-OFDM 256QAM^Inner_Full:PC3	16.18	17.00

7.1.25. Conducted Power Measurement Results(5G NR Band 38)

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	Tune Up (dBm)
n38	10MHz	30kHz	515000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.63	21.00
n38	10MHz	30kHz	515000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.60	21.00
n38	10MHz	30kHz	515000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.64	21.00
n38	10MHz	30kHz	515000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.22	21.00
n38	10MHz	30kHz	515000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.13	21.00
n38	10MHz	30kHz	515000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.20	21.00
n38	10MHz	30kHz	515000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.65	21.00
n38	10MHz	30kHz	515000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.61	21.00
n38	10MHz	30kHz	515000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.85	21.00
n38	10MHz	30kHz	515000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.76	20.00
n38	10MHz	30kHz	515000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.65	20.00
n38	10MHz	30kHz	515000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.72	20.00
n38	10MHz	30kHz	515000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.63	20.00
n38	10MHz	30kHz	515000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.57	20.00
n38	10MHz	30kHz	515000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.72	20.00
n38	10MHz	30kHz	515000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.42	19.00
n38	10MHz	30kHz	515000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.38	19.00
n38	10MHz	30kHz	515000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.39	19.00
n38	10MHz	30kHz	515000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.32	17.00
n38	10MHz	30kHz	515000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.19	17.00
n38	10MHz	30kHz	515000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.41	17.00
n38	10MHz	30kHz	515000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.06	20.00
n38	10MHz	30kHz	515000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.03	20.00
n38	10MHz	30kHz	515000	24	CP-OFDM QPSK^Inner_Full:PC3	19.11	20.00
n38	10MHz	30kHz	515000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.74	19.00
n38	10MHz	30kHz	515000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.59	19.00
n38	10MHz	30kHz	515000	27	CP-OFDM 16QAM^Inner_Full:PC3	18.80	19.00
n38	10MHz	30kHz	515000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.68	18.00
n38	10MHz	30kHz	515000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.67	18.00
n38	10MHz	30kHz	515000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.41	18.00
n38	10MHz	30kHz	515000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.39	15.00
n38	10MHz	30kHz	515000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.45	15.00
n38	10MHz	30kHz	515000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.35	15.00
n38	10MHz	30kHz	519000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.75	21.00
n38	10MHz	30kHz	519000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.89	21.00
n38	10MHz	30kHz	519000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.82	21.00
n38	10MHz	30kHz	519000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.28	21.00
n38	10MHz	30kHz	519000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.45	21.00
n38	10MHz	30kHz	519000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.41	21.00
n38	10MHz	30kHz	519000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.78	21.00
n38	10MHz	30kHz	519000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.89	21.00
n38	10MHz	30kHz	519000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.99	21.00
n38	10MHz	30kHz	519000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.76	20.00
n38	10MHz	30kHz	519000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.00	21.00
n38	10MHz	30kHz	519000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.89	20.00
n38	10MHz	30kHz	519000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.78	20.00
n38	10MHz	30kHz	519000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.92	20.00
n38	10MHz	30kHz	519000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.91	20.00
n38	10MHz	30kHz	519000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.46	19.00
n38	10MHz	30kHz	519000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.59	19.00
n38	10MHz	30kHz	519000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.50	19.00
n38	10MHz	30kHz	519000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.33	17.00
n38	10MHz	30kHz	519000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.52	17.00
n38	10MHz	30kHz	519000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.64	17.00
n38	10MHz	30kHz	519000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.05	20.00
n38	10MHz	30kHz	519000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.29	20.00
n38	10MHz	30kHz	519000	24	CP-OFDM QPSK^Inner_Full:PC3	19.22	20.00
n38	10MHz	30kHz	519000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.68	19.00
n38	10MHz	30kHz	519000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.86	19.00
n38	10MHz	30kHz	519000	27	CP-OFDM 16QAM^Inner_Full:PC3	18.82	19.00
n38	10MHz	30kHz	519000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.30	18.00
n38	10MHz	30kHz	519000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.54	18.00
n38	10MHz	30kHz	519000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.57	18.00
n38	10MHz	30kHz	519000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.52	15.00
n38	10MHz	30kHz	519000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.77	15.00
n38	10MHz	30kHz	519000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.40	15.00
n38	10MHz	30kHz	523000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.92	21.00
n38	10MHz	30kHz	523000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.98	21.00
n38	10MHz	30kHz	523000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.96	21.00

n38	10MHz	30kHz	523000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.49	21.00
n38	10MHz	30kHz	523000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.54	21.00
n38	10MHz	30kHz	523000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.54	21.00
n38	10MHz	30kHz	523000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.89	21.00
n38	10MHz	30kHz	523000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.92	21.00
n38	10MHz	30kHz	523000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.13	22.00
n38	10MHz	30kHz	523000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.94	20.00
n38	10MHz	30kHz	523000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.99	20.00
n38	10MHz	30kHz	523000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.04	21.00
n38	10MHz	30kHz	523000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.98	20.00
n38	10MHz	30kHz	523000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.06	21.00
n38	10MHz	30kHz	523000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.05	21.00
n38	10MHz	30kHz	523000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.63	19.00
n38	10MHz	30kHz	523000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.60	19.00
n38	10MHz	30kHz	523000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.63	19.00
n38	10MHz	30kHz	523000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.54	17.00
n38	10MHz	30kHz	523000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.57	17.00
n38	10MHz	30kHz	523000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.76	17.00
n38	10MHz	30kHz	523000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.53	20.00
n38	10MHz	30kHz	523000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.55	20.00
n38	10MHz	30kHz	523000	24	CP-OFDM QPSK^Inner_Full:PC3	19.34	20.00
n38	10MHz	30kHz	523000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.86	19.00
n38	10MHz	30kHz	523000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.86	19.00
n38	10MHz	30kHz	523000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.08	20.00
n38	10MHz	30kHz	523000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.66	18.00
n38	10MHz	30kHz	523000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.70	18.00
n38	10MHz	30kHz	523000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.69	18.00
n38	10MHz	30kHz	523000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.78	15.00
n38	10MHz	30kHz	523000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.79	15.00
n38	10MHz	30kHz	523000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.71	15.00
n38	15MHz	30kHz	515500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.69	21.00
n38	15MHz	30kHz	515500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.67	21.00
n38	15MHz	30kHz	515500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.72	21.00
n38	15MHz	30kHz	515500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.24	21.00
n38	15MHz	30kHz	515500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.20	21.00
n38	15MHz	30kHz	515500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.25	21.00
n38	15MHz	30kHz	515500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.70	21.00
n38	15MHz	30kHz	515500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.65	21.00
n38	15MHz	30kHz	515500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.69	21.00
n38	15MHz	30kHz	515500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.73	20.00
n38	15MHz	30kHz	515500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.67	20.00
n38	15MHz	30kHz	515500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.78	20.00
n38	15MHz	30kHz	515500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.57	20.00
n38	15MHz	30kHz	515500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.49	20.00
n38	15MHz	30kHz	515500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.76	20.00
n38	15MHz	30kHz	515500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.44	19.00
n38	15MHz	30kHz	515500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.47	19.00
n38	15MHz	30kHz	515500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.37	19.00
n38	15MHz	30kHz	515500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.34	17.00
n38	15MHz	30kHz	515500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.27	17.00
n38	15MHz	30kHz	515500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.37	17.00
n38	15MHz	30kHz	515500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.02	20.00
n38	15MHz	30kHz	515500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.93	19.00
n38	15MHz	30kHz	515500	24	CP-OFDM QPSK^Inner_Full:PC3	19.25	20.00
n38	15MHz	30kHz	515500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.67	19.00
n38	15MHz	30kHz	515500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.64	19.00
n38	15MHz	30kHz	515500	27	CP-OFDM 16QAM^Inner_Full:PC3	18.82	19.00
n38	15MHz	30kHz	515500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.35	18.00
n38	15MHz	30kHz	515500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.31	18.00
n38	15MHz	30kHz	515500	30	CP-OFDM 64QAM^Inner_Full:PC3	17.33	18.00
n38	15MHz	30kHz	515500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.49	15.00
n38	15MHz	30kHz	515500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.45	15.00
n38	15MHz	30kHz	515500	33	CP-OFDM 256QAM^Inner_Full:PC3	14.47	15.00
n38	15MHz	30kHz	519000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.68	21.00
n38	15MHz	30kHz	519000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.90	21.00
n38	15MHz	30kHz	519000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.84	21.00
n38	15MHz	30kHz	519000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.20	21.00
n38	15MHz	30kHz	519000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.46	21.00
n38	15MHz	30kHz	519000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.33	21.00
n38	15MHz	30kHz	519000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.58	21.00
n38	15MHz	30kHz	519000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.82	21.00
n38	15MHz	30kHz	519000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.81	21.00
n38	15MHz	30kHz	519000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.65	20.00

n38	15MHz	30kHz	519000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.85	20.00
n38	15MHz	30kHz	519000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.87	20.00
n38	15MHz	30kHz	519000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.62	20.00
n38	15MHz	30kHz	519000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.83	20.00
n38	15MHz	30kHz	519000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.90	20.00
n38	15MHz	30kHz	519000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.49	19.00
n38	15MHz	30kHz	519000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.50	19.00
n38	15MHz	30kHz	519000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.45	19.00
n38	15MHz	30kHz	519000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.18	17.00
n38	15MHz	30kHz	519000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.50	17.00
n38	15MHz	30kHz	519000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.47	17.00
n38	15MHz	30kHz	519000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.07	20.00
n38	15MHz	30kHz	519000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.38	20.00
n38	15MHz	30kHz	519000	24	CP-OFDM QPSK^Inner_Full:PC3	19.18	20.00
n38	15MHz	30kHz	519000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.62	19.00
n38	15MHz	30kHz	519000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.81	19.00
n38	15MHz	30kHz	519000	27	CP-OFDM 16QAM^Inner_Full:PC3	18.93	19.00
n38	15MHz	30kHz	519000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.30	18.00
n38	15MHz	30kHz	519000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.52	18.00
n38	15MHz	30kHz	519000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.40	18.00
n38	15MHz	30kHz	519000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.45	15.00
n38	15MHz	30kHz	519000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.67	15.00
n38	15MHz	30kHz	519000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.55	15.00
n38	15MHz	30kHz	522500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.83	21.00
n38	15MHz	30kHz	522500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.90	21.00
n38	15MHz	30kHz	522500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.95	21.00
n38	15MHz	30kHz	522500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.39	21.00
n38	15MHz	30kHz	522500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.47	21.00
n38	15MHz	30kHz	522500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.44	21.00
n38	15MHz	30kHz	522500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.77	21.00
n38	15MHz	30kHz	522500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.85	21.00
n38	15MHz	30kHz	522500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.96	21.00
n38	15MHz	30kHz	522500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.86	20.00
n38	15MHz	30kHz	522500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.02	21.00
n38	15MHz	30kHz	522500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.00	21.00
n38	15MHz	30kHz	522500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.72	20.00
n38	15MHz	30kHz	522500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.78	20.00
n38	15MHz	30kHz	522500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.00	21.00
n38	15MHz	30kHz	522500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.48	19.00
n38	15MHz	30kHz	522500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.48	19.00
n38	15MHz	30kHz	522500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.56	19.00
n38	15MHz	30kHz	522500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.50	17.00
n38	15MHz	30kHz	522500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.53	17.00
n38	15MHz	30kHz	522500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.62	17.00
n38	15MHz	30kHz	522500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.21	20.00
n38	15MHz	30kHz	522500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.24	20.00
n38	15MHz	30kHz	522500	24	CP-OFDM QPSK^Inner_Full:PC3	19.52	20.00
n38	15MHz	30kHz	522500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.74	19.00
n38	15MHz	30kHz	522500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.76	19.00
n38	15MHz	30kHz	522500	27	CP-OFDM 16QAM^Inner_Full:PC3	18.99	19.00
n38	15MHz	30kHz	522500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.53	18.00
n38	15MHz	30kHz	522500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.59	18.00
n38	15MHz	30kHz	522500	30	CP-OFDM 64QAM^Inner_Full:PC3	17.55	18.00
n38	15MHz	30kHz	522500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.67	15.00
n38	15MHz	30kHz	522500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.66	15.00
n38	15MHz	30kHz	522500	33	CP-OFDM 256QAM^Inner_Full:PC3	14.71	15.00
n38	20MHz	30kHz	516000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.67	21.00
n38	20MHz	30kHz	516000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.70	21.00
n38	20MHz	30kHz	516000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.75	21.00
n38	20MHz	30kHz	516000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.20	21.00
n38	20MHz	30kHz	516000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.21	21.00
n38	20MHz	30kHz	516000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.26	21.00
n38	20MHz	30kHz	516000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.69	21.00
n38	20MHz	30kHz	516000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.63	21.00
n38	20MHz	30kHz	516000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.74	21.00
n38	20MHz	30kHz	516000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.72	20.00
n38	20MHz	30kHz	516000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.75	20.00
n38	20MHz	30kHz	516000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.78	20.00
n38	20MHz	30kHz	516000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.52	20.00
n38	20MHz	30kHz	516000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.66	20.00
n38	20MHz	30kHz	516000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.76	20.00
n38	20MHz	30kHz	516000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.52	19.00
n38	20MHz	30kHz	516000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.34	19.00

n38	20MHz	30kHz	516000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.34	19.00
n38	20MHz	30kHz	516000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.33	17.00
n38	20MHz	30kHz	516000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.28	17.00
n38	20MHz	30kHz	516000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.30	17.00
n38	20MHz	30kHz	516000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.25	20.00
n38	20MHz	30kHz	516000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.21	20.00
n38	20MHz	30kHz	516000	24	CP-OFDM QPSK^Inner_Full:PC3	19.27	20.00
n38	20MHz	30kHz	516000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.68	19.00
n38	20MHz	30kHz	516000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.73	19.00
n38	20MHz	30kHz	516000	27	CP-OFDM 16QAM^Inner_Full:PC3	18.78	19.00
n38	20MHz	30kHz	516000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.51	18.00
n38	20MHz	30kHz	516000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.57	18.00
n38	20MHz	30kHz	516000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.35	18.00
n38	20MHz	30kHz	516000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.47	15.00
n38	20MHz	30kHz	516000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.53	15.00
n38	20MHz	30kHz	516000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.37	15.00
n38	20MHz	30kHz	519000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.66	21.00
n38	20MHz	30kHz	519000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.96	21.00
n38	20MHz	30kHz	519000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.85	21.00
n38	20MHz	30kHz	519000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.16	21.00
n38	20MHz	30kHz	519000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.50	21.00
n38	20MHz	30kHz	519000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.37	21.00
n38	20MHz	30kHz	519000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.59	21.00
n38	20MHz	30kHz	519000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.88	21.00
n38	20MHz	30kHz	519000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.87	21.00
n38	20MHz	30kHz	519000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.67	20.00
n38	20MHz	30kHz	519000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.98	20.00
n38	20MHz	30kHz	519000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.89	20.00
n38	20MHz	30kHz	519000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.61	20.00
n38	20MHz	30kHz	519000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.81	20.00
n38	20MHz	30kHz	519000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.87	20.00
n38	20MHz	30kHz	519000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.35	19.00
n38	20MHz	30kHz	519000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.65	19.00
n38	20MHz	30kHz	519000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.45	19.00
n38	20MHz	30kHz	519000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.27	17.00
n38	20MHz	30kHz	519000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.49	17.00
n38	20MHz	30kHz	519000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.48	17.00
n38	20MHz	30kHz	519000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.00	20.00
n38	20MHz	30kHz	519000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.24	20.00
n38	20MHz	30kHz	519000	24	CP-OFDM QPSK^Inner_Full:PC3	19.36	20.00
n38	20MHz	30kHz	519000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.63	19.00
n38	20MHz	30kHz	519000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.82	19.00
n38	20MHz	30kHz	519000	27	CP-OFDM 16QAM^Inner_Full:PC3	18.88	19.00
n38	20MHz	30kHz	519000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.35	18.00
n38	20MHz	30kHz	519000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.61	18.00
n38	20MHz	30kHz	519000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.54	18.00
n38	20MHz	30kHz	519000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.37	15.00
n38	20MHz	30kHz	519000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.69	15.00
n38	20MHz	30kHz	519000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.50	15.00
n38	20MHz	30kHz	522000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.84	21.00
n38	20MHz	30kHz	522000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.96	21.00
n38	20MHz	30kHz	522000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.01	22.00
n38	20MHz	30kHz	522000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.41	21.00
n38	20MHz	30kHz	522000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.52	21.00
n38	20MHz	30kHz	522000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.52	21.00
n38	20MHz	30kHz	522000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.78	21.00
n38	20MHz	30kHz	522000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.87	21.00
n38	20MHz	30kHz	522000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.03	22.00
n38	20MHz	30kHz	522000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.85	20.00
n38	20MHz	30kHz	522000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.93	20.00
n38	20MHz	30kHz	522000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.02	21.00
n38	20MHz	30kHz	522000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.83	20.00
n38	20MHz	30kHz	522000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.99	20.00
n38	20MHz	30kHz	522000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.03	21.00
n38	20MHz	30kHz	522000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.55	19.00
n38	20MHz	30kHz	522000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.65	19.00
n38	20MHz	30kHz	522000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.62	19.00
n38	20MHz	30kHz	522000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.42	17.00
n38	20MHz	30kHz	522000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.50	17.00
n38	20MHz	30kHz	522000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.64	17.00
n38	20MHz	30kHz	522000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.20	20.00
n38	20MHz	30kHz	522000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.33	20.00
n38	20MHz	30kHz	522000	24	CP-OFDM QPSK^Inner_Full:PC3	19.53	20.00

n38	20MHz	30kHz	522000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.77	19.00
n38	20MHz	30kHz	522000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.84	19.00
n38	20MHz	30kHz	522000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.08	20.00
n38	20MHz	30kHz	522000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.52	18.00
n38	20MHz	30kHz	522000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.68	18.00
n38	20MHz	30kHz	522000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.67	18.00
n38	20MHz	30kHz	522000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.64	15.00
n38	20MHz	30kHz	522000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.74	15.00
n38	20MHz	30kHz	522000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.65	15.00
n38	25MHz	30kHz	516500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.68	21.00
n38	25MHz	30kHz	516500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.84	21.00
n38	25MHz	30kHz	516500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.78	21.00
n38	25MHz	30kHz	516500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.20	21.00
n38	25MHz	30kHz	516500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.39	21.00
n38	25MHz	30kHz	516500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.38	21.00
n38	25MHz	30kHz	516500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.67	21.00
n38	25MHz	30kHz	516500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.74	21.00
n38	25MHz	30kHz	516500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.83	21.00
n38	25MHz	30kHz	516500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.82	20.00
n38	25MHz	30kHz	516500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.95	20.00
n38	25MHz	30kHz	516500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.90	20.00
n38	25MHz	30kHz	516500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.63	20.00
n38	25MHz	30kHz	516500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.83	20.00
n38	25MHz	30kHz	516500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.85	20.00
n38	25MHz	30kHz	516500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.58	19.00
n38	25MHz	30kHz	516500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.59	19.00
n38	25MHz	30kHz	516500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.42	19.00
n38	25MHz	30kHz	516500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.39	17.00
n38	25MHz	30kHz	516500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.49	17.00
n38	25MHz	30kHz	516500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.40	17.00
n38	25MHz	30kHz	516500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.07	20.00
n38	25MHz	30kHz	516500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.21	20.00
n38	25MHz	30kHz	516500	24	CP-OFDM QPSK^Inner_Full:PC3	19.27	20.00
n38	25MHz	30kHz	516500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.68	19.00
n38	25MHz	30kHz	516500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.82	19.00
n38	25MHz	30kHz	516500	27	CP-OFDM 16QAM^Inner_Full:PC3	18.82	19.00
n38	25MHz	30kHz	516500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.32	18.00
n38	25MHz	30kHz	516500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.46	18.00
n38	25MHz	30kHz	516500	30	CP-OFDM 64QAM^Inner_Full:PC3	17.36	18.00
n38	25MHz	30kHz	516500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.47	15.00
n38	25MHz	30kHz	516500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.67	15.00
n38	25MHz	30kHz	516500	33	CP-OFDM 256QAM^Inner_Full:PC3	14.48	15.00
n38	25MHz	30kHz	519000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.77	21.00
n38	25MHz	30kHz	519000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.14	22.00
n38	25MHz	30kHz	519000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.00	22.00
n38	25MHz	30kHz	519000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.31	21.00
n38	25MHz	30kHz	519000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.65	21.00
n38	25MHz	30kHz	519000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.55	21.00
n38	25MHz	30kHz	519000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.76	21.00
n38	25MHz	30kHz	519000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.14	22.00
n38	25MHz	30kHz	519000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.02	22.00
n38	25MHz	30kHz	519000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.82	20.00
n38	25MHz	30kHz	519000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.22	21.00
n38	25MHz	30kHz	519000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.07	21.00
n38	25MHz	30kHz	519000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.61	20.00
n38	25MHz	30kHz	519000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.04	21.00
n38	25MHz	30kHz	519000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.03	21.00
n38	25MHz	30kHz	519000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.50	19.00
n38	25MHz	30kHz	519000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.80	19.00
n38	25MHz	30kHz	519000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.65	19.00
n38	25MHz	30kHz	519000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.34	17.00
n38	25MHz	30kHz	519000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.75	17.00
n38	25MHz	30kHz	519000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.59	17.00
n38	25MHz	30kHz	519000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.14	20.00
n38	25MHz	30kHz	519000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.47	20.00
n38	25MHz	30kHz	519000	24	CP-OFDM QPSK^Inner_Full:PC3	19.52	20.00
n38	25MHz	30kHz	519000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.72	19.00
n38	25MHz	30kHz	519000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.96	19.00
n38	25MHz	30kHz	519000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.01	20.00
n38	25MHz	30kHz	519000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.36	18.00
n38	25MHz	30kHz	519000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.73	18.00
n38	25MHz	30kHz	519000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.57	18.00
n38	25MHz	30kHz	519000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.58	15.00

n38	25MHz	30kHz	519000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.88	15.00
n38	25MHz	30kHz	519000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.67	15.00
n38	25MHz	30kHz	521500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.84	21.00
n38	25MHz	30kHz	521500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.09	22.00
n38	25MHz	30kHz	521500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.11	22.00
n38	25MHz	30kHz	521500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.39	21.00
n38	25MHz	30kHz	521500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.64	21.00
n38	25MHz	30kHz	521500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.64	21.00
n38	25MHz	30kHz	521500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.80	21.00
n38	25MHz	30kHz	521500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.02	22.00
n38	25MHz	30kHz	521500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.14	22.00
n38	25MHz	30kHz	521500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.84	20.00
n38	25MHz	30kHz	521500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.05	21.00
n38	25MHz	30kHz	521500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.14	21.00
n38	25MHz	30kHz	521500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.88	20.00
n38	25MHz	30kHz	521500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.05	21.00
n38	25MHz	30kHz	521500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.13	21.00
n38	25MHz	30kHz	521500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.49	19.00
n38	25MHz	30kHz	521500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.70	19.00
n38	25MHz	30kHz	521500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.71	19.00
n38	25MHz	30kHz	521500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.49	17.00
n38	25MHz	30kHz	521500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.69	17.00
n38	25MHz	30kHz	521500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.72	17.00
n38	25MHz	30kHz	521500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	17.87	18.00
n38	25MHz	30kHz	521500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.58	20.00
n38	25MHz	30kHz	521500	24	CP-OFDM QPSK^Inner_Full:PC3	19.66	20.00
n38	25MHz	30kHz	521500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.85	19.00
n38	25MHz	30kHz	521500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.05	20.00
n38	25MHz	30kHz	521500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.10	20.00
n38	25MHz	30kHz	521500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.50	18.00
n38	25MHz	30kHz	521500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.87	18.00
n38	25MHz	30kHz	521500	30	CP-OFDM 64QAM^Inner_Full:PC3	17.71	18.00
n38	25MHz	30kHz	521500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.73	15.00
n38	25MHz	30kHz	521500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.87	15.00
n38	25MHz	30kHz	521500	33	CP-OFDM 256QAM^Inner_Full:PC3	14.75	15.00
n38	30MHz	30kHz	517000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.83	21.00
n38	30MHz	30kHz	517000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.08	22.00
n38	30MHz	30kHz	517000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.86	21.00
n38	30MHz	30kHz	517000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.31	21.00
n38	30MHz	30kHz	517000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.60	21.00
n38	30MHz	30kHz	517000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.45	21.00
n38	30MHz	30kHz	517000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.75	21.00
n38	30MHz	30kHz	517000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.95	21.00
n38	30MHz	30kHz	517000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.90	21.00
n38	30MHz	30kHz	517000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.85	20.00
n38	30MHz	30kHz	517000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.09	21.00
n38	30MHz	30kHz	517000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.97	20.00
n38	30MHz	30kHz	517000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.72	20.00
n38	30MHz	30kHz	517000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.00	21.00
n38	30MHz	30kHz	517000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.95	20.00
n38	30MHz	30kHz	517000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.55	19.00
n38	30MHz	30kHz	517000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.69	19.00
n38	30MHz	30kHz	517000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.41	19.00
n38	30MHz	30kHz	517000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.43	17.00
n38	30MHz	30kHz	517000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.68	17.00
n38	30MHz	30kHz	517000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.46	17.00
n38	30MHz	30kHz	517000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.25	20.00
n38	30MHz	30kHz	517000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.39	20.00
n38	30MHz	30kHz	517000	24	CP-OFDM QPSK^Inner_Full:PC3	19.42	20.00
n38	30MHz	30kHz	517000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.81	19.00
n38	30MHz	30kHz	517000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.98	19.00
n38	30MHz	30kHz	517000	27	CP-OFDM 16QAM^Inner_Full:PC3	18.99	19.00
n38	30MHz	30kHz	517000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.42	18.00
n38	30MHz	30kHz	517000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.56	18.00
n38	30MHz	30kHz	517000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.46	18.00
n38	30MHz	30kHz	517000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.57	15.00
n38	30MHz	30kHz	517000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.69	15.00
n38	30MHz	30kHz	517000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.54	15.00
n38	30MHz	30kHz	519000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.77	21.00
n38	30MHz	30kHz	519000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.13	22.00
n38	30MHz	30kHz	519000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.99	21.00
n38	30MHz	30kHz	519000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.29	21.00
n38	30MHz	30kHz	519000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.70	21.00

n38	30MHz	30kHz	519000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.51	21.00
n38	30MHz	30kHz	519000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.73	21.00
n38	30MHz	30kHz	519000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.11	22.00
n38	30MHz	30kHz	519000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.99	21.00
n38	30MHz	30kHz	519000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.83	20.00
n38	30MHz	30kHz	519000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.13	21.00
n38	30MHz	30kHz	519000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.06	21.00
n38	30MHz	30kHz	519000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.60	20.00
n38	30MHz	30kHz	519000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.99	20.00
n38	30MHz	30kHz	519000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.03	21.00
n38	30MHz	30kHz	519000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.49	19.00
n38	30MHz	30kHz	519000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.85	19.00
n38	30MHz	30kHz	519000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.56	19.00
n38	30MHz	30kHz	519000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.44	17.00
n38	30MHz	30kHz	519000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.79	17.00
n38	30MHz	30kHz	519000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.56	17.00
n38	30MHz	30kHz	519000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.15	20.00
n38	30MHz	30kHz	519000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.55	20.00
n38	30MHz	30kHz	519000	24	CP-OFDM QPSK^Inner_Full:PC3	19.53	20.00
n38	30MHz	30kHz	519000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.70	19.00
n38	30MHz	30kHz	519000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.04	20.00
n38	30MHz	30kHz	519000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.07	20.00
n38	30MHz	30kHz	519000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.23	18.00
n38	30MHz	30kHz	519000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.83	18.00
n38	30MHz	30kHz	519000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.61	18.00
n38	30MHz	30kHz	519000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.54	15.00
n38	30MHz	30kHz	519000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.90	15.00
n38	30MHz	30kHz	519000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.65	15.00
n38	30MHz	30kHz	521000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.86	21.00
n38	30MHz	30kHz	521000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.13	22.00
n38	30MHz	30kHz	521000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.12	22.00
n38	30MHz	30kHz	521000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.37	21.00
n38	30MHz	30kHz	521000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.72	21.00
n38	30MHz	30kHz	521000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.62	21.00
n38	30MHz	30kHz	521000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.74	21.00
n38	30MHz	30kHz	521000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.07	22.00
n38	30MHz	30kHz	521000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.13	22.00
n38	30MHz	30kHz	521000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.78	20.00
n38	30MHz	30kHz	521000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.08	21.00
n38	30MHz	30kHz	521000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.15	21.00
n38	30MHz	30kHz	521000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.73	20.00
n38	30MHz	30kHz	521000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.18	21.00
n38	30MHz	30kHz	521000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.19	21.00
n38	30MHz	30kHz	521000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.65	19.00
n38	30MHz	30kHz	521000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.92	19.00
n38	30MHz	30kHz	521000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.74	19.00
n38	30MHz	30kHz	521000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.45	17.00
n38	30MHz	30kHz	521000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.73	17.00
n38	30MHz	30kHz	521000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.69	17.00
n38	30MHz	30kHz	521000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.21	20.00
n38	30MHz	30kHz	521000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.65	20.00
n38	30MHz	30kHz	521000	24	CP-OFDM QPSK^Inner_Full:PC3	19.63	20.00
n38	30MHz	30kHz	521000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.71	19.00
n38	30MHz	30kHz	521000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.08	20.00
n38	30MHz	30kHz	521000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.21	20.00
n38	30MHz	30kHz	521000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.42	18.00
n38	30MHz	30kHz	521000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.82	18.00
n38	30MHz	30kHz	521000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.73	18.00
n38	30MHz	30kHz	521000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.58	15.00
n38	30MHz	30kHz	521000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.93	15.00
n38	30MHz	30kHz	521000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.78	15.00
n38	40MHz	30kHz	518000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.75	21.00
n38	40MHz	30kHz	518000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.14	22.00
n38	40MHz	30kHz	518000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.92	21.00
n38	40MHz	30kHz	518000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.27	21.00
n38	40MHz	30kHz	518000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.66	21.00
n38	40MHz	30kHz	518000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.49	21.00
n38	40MHz	30kHz	518000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.74	21.00
n38	40MHz	30kHz	518000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.08	22.00
n38	40MHz	30kHz	518000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.90	21.00
n38	40MHz	30kHz	518000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.79	20.00
n38	40MHz	30kHz	518000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.10	21.00
n38	40MHz	30kHz	518000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.98	20.00

n38	40MHz	30kHz	518000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.67	20.00
n38	40MHz	30kHz	518000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.07	21.00
n38	40MHz	30kHz	518000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.95	20.00
n38	40MHz	30kHz	518000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.62	19.00
n38	40MHz	30kHz	518000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.92	19.00
n38	40MHz	30kHz	518000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.49	19.00
n38	40MHz	30kHz	518000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.37	17.00
n38	40MHz	30kHz	518000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.70	17.00
n38	40MHz	30kHz	518000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.51	17.00
n38	40MHz	30kHz	518000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.16	20.00
n38	40MHz	30kHz	518000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.57	20.00
n38	40MHz	30kHz	518000	24	CP-OFDM QPSK^Inner_Full:PC3	19.41	20.00
n38	40MHz	30kHz	518000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.71	19.00
n38	40MHz	30kHz	518000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.05	20.00
n38	40MHz	30kHz	518000	27	CP-OFDM 16QAM^Inner_Full:PC3	18.92	19.00
n38	40MHz	30kHz	518000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.27	18.00
n38	40MHz	30kHz	518000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.80	18.00
n38	40MHz	30kHz	518000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.50	18.00
n38	40MHz	30kHz	518000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.51	15.00
n38	40MHz	30kHz	518000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.83	15.00
n38	40MHz	30kHz	518000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.55	15.00
n38	40MHz	30kHz	519000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.73	21.00
n38	40MHz	30kHz	519000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.21	22.00
n38	40MHz	30kHz	519000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.01	22.00
n38	40MHz	30kHz	519000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.28	21.00
n38	40MHz	30kHz	519000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.74	21.00
n38	40MHz	30kHz	519000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.56	21.00
n38	40MHz	30kHz	519000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.70	21.00
n38	40MHz	30kHz	519000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.08	22.00
n38	40MHz	30kHz	519000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.01	22.00
n38	40MHz	30kHz	519000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.85	20.00
n38	40MHz	30kHz	519000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.22	21.00
n38	40MHz	30kHz	519000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.06	21.00
n38	40MHz	30kHz	519000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.66	20.00
n38	40MHz	30kHz	519000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.08	21.00
n38	40MHz	30kHz	519000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.00	21.00
n38	40MHz	30kHz	519000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.40	19.00
n38	40MHz	30kHz	519000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.81	19.00
n38	40MHz	30kHz	519000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.57	19.00
n38	40MHz	30kHz	519000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.30	17.00
n38	40MHz	30kHz	519000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.72	17.00
n38	40MHz	30kHz	519000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.56	17.00
n38	40MHz	30kHz	519000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.11	20.00
n38	40MHz	30kHz	519000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.62	20.00
n38	40MHz	30kHz	519000	24	CP-OFDM QPSK^Inner_Full:PC3	19.51	20.00
n38	40MHz	30kHz	519000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.75	19.00
n38	40MHz	30kHz	519000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.07	20.00
n38	40MHz	30kHz	519000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.02	20.00
n38	40MHz	30kHz	519000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.38	18.00
n38	40MHz	30kHz	519000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.80	18.00
n38	40MHz	30kHz	519000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.60	18.00
n38	40MHz	30kHz	519000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.48	15.00
n38	40MHz	30kHz	519000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.86	15.00
n38	40MHz	30kHz	519000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.66	15.00
n38	40MHz	30kHz	520000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.66	21.00
n38	40MHz	30kHz	520000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.12	22.00
n38	40MHz	30kHz	520000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.05	22.00
n38	40MHz	30kHz	520000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.21	21.00
n38	40MHz	30kHz	520000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.65	21.00
n38	40MHz	30kHz	520000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.55	21.00
n38	40MHz	30kHz	520000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.67	21.00
n38	40MHz	30kHz	520000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.12	22.00
n38	40MHz	30kHz	520000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.03	22.00
n38	40MHz	30kHz	520000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.71	20.00
n38	40MHz	30kHz	520000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.20	21.00
n38	40MHz	30kHz	520000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.02	21.00
n38	40MHz	30kHz	520000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.56	20.00
n38	40MHz	30kHz	520000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.12	21.00
n38	40MHz	30kHz	520000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.09	21.00
n38	40MHz	30kHz	520000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.41	19.00
n38	40MHz	30kHz	520000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.84	19.00
n38	40MHz	30kHz	520000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.59	19.00
n38	40MHz	30kHz	520000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.32	17.00

n38	40MHz	30kHz	520000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.71	17.00
n38	40MHz	30kHz	520000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.64	17.00
n38	40MHz	30kHz	520000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.04	20.00
n38	40MHz	30kHz	520000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.53	20.00
n38	40MHz	30kHz	520000	24	CP-OFDM QPSK^Inner_Full:PC3	19.52	20.00
n38	40MHz	30kHz	520000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.66	19.00
n38	40MHz	30kHz	520000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.06	20.00
n38	40MHz	30kHz	520000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.06	20.00
n38	40MHz	30kHz	520000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.32	18.00
n38	40MHz	30kHz	520000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.64	18.00
n38	40MHz	30kHz	520000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.64	18.00
n38	40MHz	30kHz	520000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.45	15.00
n38	40MHz	30kHz	520000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.86	15.00
n38	40MHz	30kHz	520000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.72	15.00

7.1.26. Conducted Power Measurement Results(5G NR Band 41)

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	Tune Up (dBm)
n41	10MHz	30kHz	500202	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.83	21.00
n41	10MHz	30kHz	500202	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.85	21.00
n41	10MHz	30kHz	500202	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.94	21.00
n41	10MHz	30kHz	500202	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.37	21.00
n41	10MHz	30kHz	500202	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.42	21.00
n41	10MHz	30kHz	500202	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.47	21.00
n41	10MHz	30kHz	500202	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.85	21.00
n41	10MHz	30kHz	500202	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.90	21.00
n41	10MHz	30kHz	500202	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.95	21.00
n41	10MHz	30kHz	500202	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.83	20.00
n41	10MHz	30kHz	500202	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.96	20.00
n41	10MHz	30kHz	500202	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.94	20.00
n41	10MHz	30kHz	500202	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.94	20.00
n41	10MHz	30kHz	500202	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.94	20.00
n41	10MHz	30kHz	500202	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.00	21.00
n41	10MHz	30kHz	500202	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.58	19.00
n41	10MHz	30kHz	500202	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.70	19.00
n41	10MHz	30kHz	500202	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.60	19.00
n41	10MHz	30kHz	500202	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.40	17.00
n41	10MHz	30kHz	500202	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.52	17.00
n41	10MHz	30kHz	500202	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.72	17.00
n41	10MHz	30kHz	500202	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.34	20.00
n41	10MHz	30kHz	500202	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.26	20.00
n41	10MHz	30kHz	500202	24	CP-OFDM QPSK^Inner_Full:PC3	19.44	20.00
n41	10MHz	30kHz	500202	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.80	19.00
n41	10MHz	30kHz	500202	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.92	19.00
n41	10MHz	30kHz	500202	27	CP-OFDM 16QAM^Inner_Full:PC3	19.02	20.00
n41	10MHz	30kHz	500202	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.60	18.00
n41	10MHz	30kHz	500202	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.55	18.00
n41	10MHz	30kHz	500202	30	CP-OFDM 64QAM^Inner_Full:PC3	17.65	18.00
n41	10MHz	30kHz	500202	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.73	15.00
n41	10MHz	30kHz	500202	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.73	15.00
n41	10MHz	30kHz	500202	33	CP-OFDM 256QAM^Inner_Full:PC3	14.70	15.00
n41	10MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.89	21.00
n41	10MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.09	22.00
n41	10MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.03	22.00
n41	10MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.43	21.00
n41	10MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.59	21.00
n41	10MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.58	21.00
n41	10MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.91	21.00
n41	10MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.04	22.00
n41	10MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.00	22.00
n41	10MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.96	20.00
n41	10MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.14	21.00
n41	10MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.08	21.00
n41	10MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.06	21.00
n41	10MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.07	21.00
n41	10MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.04	21.00
n41	10MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.52	19.00
n41	10MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.65	19.00
n41	10MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.68	19.00
n41	10MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.56	17.00
n41	10MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.70	17.00
n41	10MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.78	17.00
n41	10MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.41	20.00
n41	10MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.53	20.00
n41	10MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	19.43	20.00
n41	10MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.04	20.00
n41	10MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.18	20.00
n41	10MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	19.03	20.00
n41	10MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.52	18.00
n41	10MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.72	18.00
n41	10MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	17.75	18.00
n41	10MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.67	15.00
n41	10MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.88	15.00
n41	10MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	14.79	15.00
n41	10MHz	30kHz	537000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.57	21.00
n41	10MHz	30kHz	537000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.57	21.00
n41	10MHz	30kHz	537000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.60	21.00

n41	10MHz	30kHz	537000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.09	21.00
n41	10MHz	30kHz	537000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.10	21.00
n41	10MHz	30kHz	537000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.18	21.00
n41	10MHz	30kHz	537000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.58	21.00
n41	10MHz	30kHz	537000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.61	21.00
n41	10MHz	30kHz	537000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.78	21.00
n41	10MHz	30kHz	537000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.59	20.00
n41	10MHz	30kHz	537000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.66	20.00
n41	10MHz	30kHz	537000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.68	20.00
n41	10MHz	30kHz	537000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.59	20.00
n41	10MHz	30kHz	537000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.77	20.00
n41	10MHz	30kHz	537000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.68	20.00
n41	10MHz	30kHz	537000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.17	19.00
n41	10MHz	30kHz	537000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.30	19.00
n41	10MHz	30kHz	537000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.33	19.00
n41	10MHz	30kHz	537000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.20	17.00
n41	10MHz	30kHz	537000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.25	17.00
n41	10MHz	30kHz	537000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.46	17.00
n41	15MHz	30kHz	500700	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.72	21.00
n41	15MHz	30kHz	500700	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.71	21.00
n41	15MHz	30kHz	500700	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.85	21.00
n41	15MHz	30kHz	500700	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.25	21.00
n41	15MHz	30kHz	500700	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.25	21.00
n41	15MHz	30kHz	500700	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.34	21.00
n41	15MHz	30kHz	500700	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.72	21.00
n41	15MHz	30kHz	500700	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.69	21.00
n41	15MHz	30kHz	500700	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.86	21.00
n41	15MHz	30kHz	500700	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.74	20.00
n41	15MHz	30kHz	500700	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.76	20.00
n41	15MHz	30kHz	500700	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.87	20.00
n41	15MHz	30kHz	500700	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.68	20.00
n41	15MHz	30kHz	500700	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.59	20.00
n41	15MHz	30kHz	500700	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.88	20.00
n41	15MHz	30kHz	500700	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.44	19.00
n41	15MHz	30kHz	500700	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.49	19.00
n41	15MHz	30kHz	500700	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.46	19.00
n41	15MHz	30kHz	500700	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.39	17.00
n41	15MHz	30kHz	500700	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.33	17.00
n41	15MHz	30kHz	500700	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.44	17.00
n41	15MHz	30kHz	500700	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.12	20.00
n41	15MHz	30kHz	500700	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.04	20.00
n41	15MHz	30kHz	500700	24	CP-OFDM QPSK^Inner_Full:PC3	19.39	20.00
n41	15MHz	30kHz	500700	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.74	19.00
n41	15MHz	30kHz	500700	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.72	19.00
n41	15MHz	30kHz	500700	27	CP-OFDM 16QAM^Inner_Full:PC3	18.93	19.00
n41	15MHz	30kHz	500700	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.38	18.00
n41	15MHz	30kHz	500700	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.32	18.00
n41	15MHz	30kHz	500700	30	CP-OFDM 64QAM^Inner_Full:PC3	17.42	18.00
n41	15MHz	30kHz	500700	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.53	15.00
n41	15MHz	30kHz	500700	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.34	15.00
n41	15MHz	30kHz	500700	33	CP-OFDM 256QAM^Inner_Full:PC3	14.57	15.00
n41	15MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.59	21.00
n41	15MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.89	21.00
n41	15MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.82	21.00
n41	15MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.11	21.00
n41	15MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.41	21.00
n41	15MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.33	21.00
n41	15MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.63	21.00
n41	15MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.84	21.00
n41	15MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.85	21.00
n41	15MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.65	20.00
n41	15MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.93	20.00
n41	15MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.87	20.00
n41	15MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.55	20.00
n41	15MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.85	20.00
n41	15MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.84	20.00
n41	15MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.27	19.00
n41	15MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.48	19.00
n41	15MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.41	19.00
n41	15MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.25	17.00
n41	15MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.44	17.00
n41	15MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.43	17.00
n41	15MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.95	19.00

n41	15MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.17	20.00
n41	15MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	19.35	20.00
n41	15MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.60	19.00
n41	15MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.82	19.00
n41	15MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	18.88	19.00
n41	15MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.30	18.00
n41	15MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.49	18.00
n41	15MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	17.38	18.00
n41	15MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.39	15.00
n41	15MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.65	15.00
n41	15MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	14.52	15.00
n41	15MHz	30kHz	536496	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	4.95	5.00
n41	15MHz	30kHz	536496	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	9.70	10.00
n41	15MHz	30kHz	536496	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	-0.09	0.00
n41	15MHz	30kHz	536496	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	19.97	20.00
n41	15MHz	30kHz	536496	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.03	21.00
n41	15MHz	30kHz	536496	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.11	21.00
n41	15MHz	30kHz	536496	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.44	21.00
n41	15MHz	30kHz	536496	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.51	21.00
n41	15MHz	30kHz	536496	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.61	21.00
n41	15MHz	30kHz	536496	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.47	20.00
n41	15MHz	30kHz	536496	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.50	20.00
n41	15MHz	30kHz	536496	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.62	20.00
n41	15MHz	30kHz	536496	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.36	20.00
n41	15MHz	30kHz	536496	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.38	20.00
n41	15MHz	30kHz	536496	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.61	20.00
n41	15MHz	30kHz	536496	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.09	19.00
n41	15MHz	30kHz	536496	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.18	19.00
n41	15MHz	30kHz	536496	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.15	19.00
n41	15MHz	30kHz	536496	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.09	17.00
n41	15MHz	30kHz	536496	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.16	17.00
n41	15MHz	30kHz	536496	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.19	17.00
n41	15MHz	30kHz	536496	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.76	19.00
n41	15MHz	30kHz	536496	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.83	19.00
n41	15MHz	30kHz	536496	24	CP-OFDM QPSK^Inner_Full:PC3	19.09	20.00
n41	15MHz	30kHz	536496	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.43	19.00
n41	15MHz	30kHz	536496	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.42	19.00
n41	15MHz	30kHz	536496	27	CP-OFDM 16QAM^Inner_Full:PC3	18.67	19.00
n41	15MHz	30kHz	536496	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.21	18.00
n41	15MHz	30kHz	536496	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.17	18.00
n41	15MHz	30kHz	536496	30	CP-OFDM 64QAM^Inner_Full:PC3	17.13	18.00
n41	15MHz	30kHz	536496	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.21	15.00
n41	15MHz	30kHz	536496	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.32	15.00
n41	15MHz	30kHz	536496	33	CP-OFDM 256QAM^Inner_Full:PC3	14.26	15.00
n41	20MHz	30kHz	501204	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.81	21.00
n41	20MHz	30kHz	501204	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.74	21.00
n41	20MHz	30kHz	501204	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.91	21.00
n41	20MHz	30kHz	501204	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.32	21.00
n41	20MHz	30kHz	501204	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.24	21.00
n41	20MHz	30kHz	501204	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.43	21.00
n41	20MHz	30kHz	501204	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.83	21.00
n41	20MHz	30kHz	501204	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.75	21.00
n41	20MHz	30kHz	501204	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.93	21.00
n41	20MHz	30kHz	501204	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.82	20.00
n41	20MHz	30kHz	501204	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.76	20.00
n41	20MHz	30kHz	501204	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.90	20.00
n41	20MHz	30kHz	501204	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.74	20.00
n41	20MHz	30kHz	501204	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.61	20.00
n41	20MHz	30kHz	501204	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.86	20.00
n41	20MHz	30kHz	501204	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.41	19.00
n41	20MHz	30kHz	501204	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.53	19.00
n41	20MHz	30kHz	501204	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.48	19.00
n41	20MHz	30kHz	501204	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.39	17.00
n41	20MHz	30kHz	501204	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.35	17.00
n41	20MHz	30kHz	501204	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.44	17.00
n41	20MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.53	21.00
n41	20MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.88	21.00
n41	20MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.81	21.00
n41	20MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.07	21.00
n41	20MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.40	21.00
n41	20MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.33	21.00
n41	20MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.53	21.00
n41	20MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.88	21.00

n41	20MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.82	21.00
n41	20MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.51	20.00
n41	20MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.91	20.00
n41	20MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.83	20.00
n41	20MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.40	20.00
n41	20MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.81	20.00
n41	20MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.79	20.00
n41	20MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.33	19.00
n41	20MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.62	19.00
n41	20MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.39	19.00
n41	20MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.20	17.00
n41	20MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.56	17.00
n41	20MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.42	17.00
n41	20MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.84	19.00
n41	20MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.14	20.00
n41	20MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	19.27	20.00
n41	20MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.57	19.00
n41	20MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.88	19.00
n41	20MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	18.85	19.00
n41	20MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.11	18.00
n41	20MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.50	18.00
n41	20MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	17.44	18.00
n41	20MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.35	15.00
n41	20MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.66	15.00
n41	20MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	14.43	15.00
n41	20MHz	30kHz	535998	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.54	21.00
n41	20MHz	30kHz	535998	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.59	21.00
n41	20MHz	30kHz	535998	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.60	21.00
n41	20MHz	30kHz	535998	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.10	21.00
n41	20MHz	30kHz	535998	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.10	21.00
n41	20MHz	30kHz	535998	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.17	21.00
n41	20MHz	30kHz	535998	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.48	21.00
n41	20MHz	30kHz	535998	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.53	21.00
n41	20MHz	30kHz	535998	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.66	21.00
n41	20MHz	30kHz	535998	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.60	20.00
n41	20MHz	30kHz	535998	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.65	20.00
n41	20MHz	30kHz	535998	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.68	20.00
n41	20MHz	30kHz	535998	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.43	20.00
n41	20MHz	30kHz	535998	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.51	20.00
n41	20MHz	30kHz	535998	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.65	20.00
n41	20MHz	30kHz	535998	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.24	19.00
n41	20MHz	30kHz	535998	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.39	19.00
n41	20MHz	30kHz	535998	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.22	19.00
n41	20MHz	30kHz	535998	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.19	17.00
n41	20MHz	30kHz	535998	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.25	17.00
n41	20MHz	30kHz	535998	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.22	17.00
n41	20MHz	30kHz	535998	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.91	19.00
n41	20MHz	30kHz	535998	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.92	19.00
n41	20MHz	30kHz	535998	24	CP-OFDM QPSK^Inner_Full:PC3	19.22	20.00
n41	20MHz	30kHz	535998	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.51	19.00
n41	20MHz	30kHz	535998	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.53	19.00
n41	20MHz	30kHz	535998	27	CP-OFDM 16QAM^Inner_Full:PC3	18.70	19.00
n41	20MHz	30kHz	535998	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.22	18.00
n41	20MHz	30kHz	535998	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.35	18.00
n41	20MHz	30kHz	535998	30	CP-OFDM 64QAM^Inner_Full:PC3	17.32	18.00
n41	20MHz	30kHz	535998	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.38	15.00
n41	20MHz	30kHz	535998	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.31	15.00
n41	20MHz	30kHz	535998	33	CP-OFDM 256QAM^Inner_Full:PC3	14.30	15.00
n41	30MHz	30kHz	502200	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.76	21.00
n41	30MHz	30kHz	502200	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.66	21.00
n41	30MHz	30kHz	502200	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.85	21.00
n41	30MHz	30kHz	502200	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.27	21.00
n41	30MHz	30kHz	502200	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.21	21.00
n41	30MHz	30kHz	502200	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.37	21.00
n41	30MHz	30kHz	502200	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.76	21.00
n41	30MHz	30kHz	502200	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.69	21.00
n41	30MHz	30kHz	502200	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.86	21.00
n41	30MHz	30kHz	502200	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.80	20.00
n41	30MHz	30kHz	502200	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.78	20.00
n41	30MHz	30kHz	502200	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.86	20.00
n41	30MHz	30kHz	502200	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.71	20.00
n41	30MHz	30kHz	502200	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.75	20.00
n41	30MHz	30kHz	502200	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.87	20.00

n41	30MHz	30kHz	502200	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.47	19.00
n41	30MHz	30kHz	502200	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.58	19.00
n41	30MHz	30kHz	502200	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.32	19.00
n41	30MHz	30kHz	502200	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.44	17.00
n41	30MHz	30kHz	502200	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.37	17.00
n41	30MHz	30kHz	502200	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.38	17.00
n41	30MHz	30kHz	502200	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.07	20.00
n41	30MHz	30kHz	502200	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.92	19.00
n41	30MHz	30kHz	502200	24	CP-OFDM QPSK^Inner_Full:PC3	19.37	20.00
n41	30MHz	30kHz	502200	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.74	19.00
n41	30MHz	30kHz	502200	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.78	19.00
n41	30MHz	30kHz	502200	27	CP-OFDM 16QAM^Inner_Full:PC3	18.92	19.00
n41	30MHz	30kHz	502200	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.39	18.00
n41	30MHz	30kHz	502200	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.25	18.00
n41	30MHz	30kHz	502200	30	CP-OFDM 64QAM^Inner_Full:PC3	17.38	18.00
n41	30MHz	30kHz	502200	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.54	15.00
n41	30MHz	30kHz	502200	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.44	15.00
n41	30MHz	30kHz	502200	33	CP-OFDM 256QAM^Inner_Full:PC3	14.45	15.00
n41	30MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.61	21.00
n41	30MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.04	22.00
n41	30MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.95	21.00
n41	30MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.16	21.00
n41	30MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.59	21.00
n41	30MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.44	21.00
n41	30MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.61	21.00
n41	30MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.04	22.00
n41	30MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.86	21.00
n41	30MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.69	20.00
n41	30MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.09	21.00
n41	30MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.94	20.00
n41	30MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.64	20.00
n41	30MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.04	21.00
n41	30MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.93	20.00
n41	30MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.26	19.00
n41	30MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.84	19.00
n41	30MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.44	19.00
n41	30MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.24	17.00
n41	30MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.69	17.00
n41	30MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.42	17.00
n41	30MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.95	19.00
n41	30MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.36	20.00
n41	30MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	19.41	20.00
n41	30MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.63	19.00
n41	30MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.00	20.00
n41	30MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	18.95	19.00
n41	30MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.32	18.00
n41	30MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.76	18.00
n41	30MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	17.48	18.00
n41	30MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.42	15.00
n41	30MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.79	15.00
n41	30MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	14.49	15.00
n41	30MHz	30kHz	534996	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.56	21.00
n41	30MHz	30kHz	534996	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.53	21.00
n41	30MHz	30kHz	534996	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.66	21.00
n41	30MHz	30kHz	534996	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.10	21.00
n41	30MHz	30kHz	534996	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.06	21.00
n41	30MHz	30kHz	534996	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.19	21.00
n41	30MHz	30kHz	534996	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.55	21.00
n41	30MHz	30kHz	534996	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.50	21.00
n41	30MHz	30kHz	534996	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.67	21.00
n41	30MHz	30kHz	534996	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.63	20.00
n41	30MHz	30kHz	534996	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.59	20.00
n41	30MHz	30kHz	534996	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.71	20.00
n41	30MHz	30kHz	534996	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.52	20.00
n41	30MHz	30kHz	534996	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.44	20.00
n41	30MHz	30kHz	534996	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.69	20.00
n41	30MHz	30kHz	534996	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.37	19.00
n41	30MHz	30kHz	534996	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.21	19.00
n41	30MHz	30kHz	534996	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.19	19.00
n41	30MHz	30kHz	534996	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.15	17.00
n41	30MHz	30kHz	534996	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.17	17.00
n41	30MHz	30kHz	534996	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.22	17.00
n41	30MHz	30kHz	534996	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.94	19.00

n41	30MHz	30kHz	534996	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.93	19.00
n41	30MHz	30kHz	534996	24	CP-OFDM QPSK^Inner_Full:PC3	19.14	20.00
n41	30MHz	30kHz	534996	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.56	19.00
n41	30MHz	30kHz	534996	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.53	19.00
n41	30MHz	30kHz	534996	27	CP-OFDM 16QAM^Inner_Full:PC3	18.75	19.00
n41	30MHz	30kHz	534996	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.27	18.00
n41	30MHz	30kHz	534996	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.33	18.00
n41	30MHz	30kHz	534996	30	CP-OFDM 64QAM^Inner_Full:PC3	17.21	18.00
n41	30MHz	30kHz	534996	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.36	15.00
n41	30MHz	30kHz	534996	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.35	15.00
n41	30MHz	30kHz	534996	33	CP-OFDM 256QAM^Inner_Full:PC3	14.30	15.00
n41	40MHz	30kHz	503202	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.85	21.00
n41	40MHz	30kHz	503202	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.89	21.00
n41	40MHz	30kHz	503202	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.96	21.00
n41	40MHz	30kHz	503202	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.33	21.00
n41	40MHz	30kHz	503202	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.39	21.00
n41	40MHz	30kHz	503202	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.46	21.00
n41	40MHz	30kHz	503202	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.82	21.00
n41	40MHz	30kHz	503202	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.87	21.00
n41	40MHz	30kHz	503202	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.95	21.00
n41	40MHz	30kHz	503202	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.87	20.00
n41	40MHz	30kHz	503202	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.90	20.00
n41	40MHz	30kHz	503202	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.94	20.00
n41	40MHz	30kHz	503202	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.74	20.00
n41	40MHz	30kHz	503202	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.77	20.00
n41	40MHz	30kHz	503202	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.93	20.00
n41	40MHz	30kHz	503202	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.49	19.00
n41	40MHz	30kHz	503202	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.71	19.00
n41	40MHz	30kHz	503202	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.46	19.00
n41	40MHz	30kHz	503202	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.48	17.00
n41	40MHz	30kHz	503202	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.45	17.00
n41	40MHz	30kHz	503202	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.46	17.00
n41	40MHz	30kHz	503202	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.19	20.00
n41	40MHz	30kHz	503202	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.20	20.00
n41	40MHz	30kHz	503202	24	CP-OFDM QPSK^Inner_Full:PC3	19.38	20.00
n41	40MHz	30kHz	503202	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.88	19.00
n41	40MHz	30kHz	503202	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.87	19.00
n41	40MHz	30kHz	503202	27	CP-OFDM 16QAM^Inner_Full:PC3	18.90	19.00
n41	40MHz	30kHz	503202	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.45	18.00
n41	40MHz	30kHz	503202	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.45	18.00
n41	40MHz	30kHz	503202	30	CP-OFDM 64QAM^Inner_Full:PC3	17.46	18.00
n41	40MHz	30kHz	503202	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.58	15.00
n41	40MHz	30kHz	503202	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.64	15.00
n41	40MHz	30kHz	503202	33	CP-OFDM 256QAM^Inner_Full:PC3	14.50	15.00
n41	40MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.60	21.00
n41	40MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.07	22.00
n41	40MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.93	21.00
n41	40MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.16	21.00
n41	40MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.58	21.00
n41	40MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.45	21.00
n41	40MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.64	21.00
n41	40MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.08	22.00
n41	40MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.90	21.00
n41	40MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.69	20.00
n41	40MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.13	21.00
n41	40MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.96	20.00
n41	40MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.53	20.00
n41	40MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.00	21.00
n41	40MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.92	20.00
n41	40MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.35	19.00
n41	40MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.93	19.00
n41	40MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.42	19.00
n41	40MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.21	17.00
n41	40MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.70	17.00
n41	40MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.45	17.00
n41	40MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.01	20.00
n41	40MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.40	20.00
n41	40MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	19.42	20.00
n41	40MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.60	19.00
n41	40MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.02	20.00
n41	40MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	18.91	19.00
n41	40MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.23	18.00
n41	40MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.78	18.00

n41	40MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	17.48	18.00
n41	40MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.39	15.00
n41	40MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.82	15.00
n41	40MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	14.53	15.00
n41	40MHz	30kHz	534000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.60	21.00
n41	40MHz	30kHz	534000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.63	21.00
n41	40MHz	30kHz	534000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.77	21.00
n41	40MHz	30kHz	534000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.14	21.00
n41	40MHz	30kHz	534000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.14	21.00
n41	40MHz	30kHz	534000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.27	21.00
n41	40MHz	30kHz	534000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.57	21.00
n41	40MHz	30kHz	534000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.55	21.00
n41	40MHz	30kHz	534000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.72	21.00
n41	40MHz	30kHz	534000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.64	20.00
n41	40MHz	30kHz	534000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.63	20.00
n41	40MHz	30kHz	534000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.78	20.00
n41	40MHz	30kHz	534000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.55	20.00
n41	40MHz	30kHz	534000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.54	20.00
n41	40MHz	30kHz	534000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.73	20.00
n41	40MHz	30kHz	534000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.34	19.00
n41	40MHz	30kHz	534000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.29	19.00
n41	40MHz	30kHz	534000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.31	19.00
n41	40MHz	30kHz	534000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.20	17.00
n41	40MHz	30kHz	534000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.25	17.00
n41	40MHz	30kHz	534000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.32	17.00
n41	40MHz	30kHz	534000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.96	19.00
n41	40MHz	30kHz	534000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.94	19.00
n41	40MHz	30kHz	534000	24	CP-OFDM QPSK^Inner_Full:PC3	19.25	20.00
n41	40MHz	30kHz	534000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.55	19.00
n41	40MHz	30kHz	534000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.50	19.00
n41	40MHz	30kHz	534000	27	CP-OFDM 16QAM^Inner_Full:PC3	18.71	19.00
n41	40MHz	30kHz	534000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.08	18.00
n41	40MHz	30kHz	534000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.09	18.00
n41	40MHz	30kHz	534000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.32	18.00
n41	40MHz	30kHz	534000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.36	15.00
n41	40MHz	30kHz	534000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.32	15.00
n41	40MHz	30kHz	534000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.38	15.00
n41	50MHz	30kHz	504204	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.75	21.00
n41	50MHz	30kHz	504204	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.70	21.00
n41	50MHz	30kHz	504204	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.91	21.00
n41	50MHz	30kHz	504204	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.24	21.00
n41	50MHz	30kHz	504204	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.24	21.00
n41	50MHz	30kHz	504204	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.39	21.00
n41	50MHz	30kHz	504204	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.78	21.00
n41	50MHz	30kHz	504204	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.72	21.00
n41	50MHz	30kHz	504204	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.91	21.00
n41	50MHz	30kHz	504204	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.82	20.00
n41	50MHz	30kHz	504204	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.77	20.00
n41	50MHz	30kHz	504204	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.93	20.00
n41	50MHz	30kHz	504204	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.68	20.00
n41	50MHz	30kHz	504204	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.59	20.00
n41	50MHz	30kHz	504204	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.85	20.00
n41	50MHz	30kHz	504204	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.47	19.00
n41	50MHz	30kHz	504204	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.41	19.00
n41	50MHz	30kHz	504204	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.45	19.00
n41	50MHz	30kHz	504204	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.40	17.00
n41	50MHz	30kHz	504204	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.34	17.00
n41	50MHz	30kHz	504204	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.45	17.00
n41	50MHz	30kHz	504204	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.09	20.00
n41	50MHz	30kHz	504204	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.04	20.00
n41	50MHz	30kHz	504204	24	CP-OFDM QPSK^Inner_Full:PC3	19.37	20.00
n41	50MHz	30kHz	504204	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.71	19.00
n41	50MHz	30kHz	504204	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.69	19.00
n41	50MHz	30kHz	504204	27	CP-OFDM 16QAM^Inner_Full:PC3	18.91	19.00
n41	50MHz	30kHz	504204	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.46	18.00
n41	50MHz	30kHz	504204	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.34	18.00
n41	50MHz	30kHz	504204	30	CP-OFDM 64QAM^Inner_Full:PC3	17.46	18.00
n41	50MHz	30kHz	504204	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.51	15.00
n41	50MHz	30kHz	504204	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.47	15.00
n41	50MHz	30kHz	504204	33	CP-OFDM 256QAM^Inner_Full:PC3	14.51	15.00
n41	50MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.63	21.00
n41	50MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.11	22.00
n41	50MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.98	21.00

n41	50MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.15	21.00
n41	50MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.62	21.00
n41	50MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.43	21.00
n41	50MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.65	21.00
n41	50MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.05	22.00
n41	50MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.98	21.00
n41	50MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.73	20.00
n41	50MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.15	21.00
n41	50MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.96	20.00
n41	50MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.55	20.00
n41	50MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.00	21.00
n41	50MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.91	20.00
n41	50MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.45	19.00
n41	50MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.89	19.00
n41	50MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.52	19.00
n41	50MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.27	17.00
n41	50MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.74	17.00
n41	50MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.51	17.00
n41	50MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.04	20.00
n41	50MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.39	20.00
n41	50MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	19.44	20.00
n41	50MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.64	19.00
n41	50MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.09	20.00
n41	50MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	18.92	19.00
n41	50MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.16	18.00
n41	50MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.70	18.00
n41	50MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	17.50	18.00
n41	50MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.35	15.00
n41	50MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.85	15.00
n41	50MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	14.55	15.00
n41	50MHz	30kHz	532998	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.61	21.00
n41	50MHz	30kHz	532998	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.59	21.00
n41	50MHz	30kHz	532998	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.78	21.00
n41	50MHz	30kHz	532998	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.13	21.00
n41	50MHz	30kHz	532998	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.09	21.00
n41	50MHz	30kHz	532998	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.25	21.00
n41	50MHz	30kHz	532998	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.59	21.00
n41	50MHz	30kHz	532998	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.55	21.00
n41	50MHz	30kHz	532998	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.80	21.00
n41	50MHz	30kHz	532998	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.67	20.00
n41	50MHz	30kHz	532998	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.60	20.00
n41	50MHz	30kHz	532998	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.74	20.00
n41	50MHz	30kHz	532998	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.54	20.00
n41	50MHz	30kHz	532998	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.49	20.00
n41	50MHz	30kHz	532998	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.73	20.00
n41	50MHz	30kHz	532998	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.44	19.00
n41	50MHz	30kHz	532998	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.28	19.00
n41	50MHz	30kHz	532998	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.33	19.00
n41	50MHz	30kHz	532998	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.21	17.00
n41	50MHz	30kHz	532998	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.14	17.00
n41	50MHz	30kHz	532998	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.37	17.00
n41	50MHz	30kHz	532998	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.95	19.00
n41	50MHz	30kHz	532998	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	18.95	19.00
n41	50MHz	30kHz	532998	24	CP-OFDM QPSK^Inner_Full:PC3	19.23	20.00
n41	50MHz	30kHz	532998	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.57	19.00
n41	50MHz	30kHz	532998	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.49	19.00
n41	50MHz	30kHz	532998	27	CP-OFDM 16QAM^Inner_Full:PC3	18.77	19.00
n41	50MHz	30kHz	532998	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.13	18.00
n41	50MHz	30kHz	532998	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.20	18.00
n41	50MHz	30kHz	532998	30	CP-OFDM 64QAM^Inner_Full:PC3	17.31	18.00
n41	50MHz	30kHz	532998	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.29	15.00
n41	50MHz	30kHz	532998	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.26	15.00
n41	50MHz	30kHz	532998	33	CP-OFDM 256QAM^Inner_Full:PC3	14.38	15.00
n41	60MHz	30kHz	505200	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.63	21.00
n41	60MHz	30kHz	505200	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.62	21.00
n41	60MHz	30kHz	505200	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.71	21.00
n41	60MHz	30kHz	505200	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.16	21.00
n41	60MHz	30kHz	505200	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.13	21.00
n41	60MHz	30kHz	505200	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.17	21.00
n41	60MHz	30kHz	505200	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.68	21.00
n41	60MHz	30kHz	505200	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.67	21.00
n41	60MHz	30kHz	505200	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.73	21.00
n41	60MHz	30kHz	505200	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.66	20.00

n41	60MHz	30kHz	505200	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.72	20.00
n41	60MHz	30kHz	505200	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.70	20.00
n41	60MHz	30kHz	505200	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.48	20.00
n41	60MHz	30kHz	505200	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.52	20.00
n41	60MHz	30kHz	505200	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.72	20.00
n41	60MHz	30kHz	505200	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.48	19.00
n41	60MHz	30kHz	505200	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.42	19.00
n41	60MHz	30kHz	505200	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.33	19.00
n41	60MHz	30kHz	505200	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.25	17.00
n41	60MHz	30kHz	505200	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.34	17.00
n41	60MHz	30kHz	505200	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.29	17.00
n41	60MHz	30kHz	505200	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.00	20.00
n41	60MHz	30kHz	505200	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.01	20.00
n41	60MHz	30kHz	505200	24	CP-OFDM QPSK^Inner_Full:PC3	19.25	20.00
n41	60MHz	30kHz	505200	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.64	19.00
n41	60MHz	30kHz	505200	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.64	19.00
n41	60MHz	30kHz	505200	27	CP-OFDM 16QAM^Inner_Full:PC3	18.72	19.00
n41	60MHz	30kHz	505200	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.24	18.00
n41	60MHz	30kHz	505200	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.35	18.00
n41	60MHz	30kHz	505200	30	CP-OFDM 64QAM^Inner_Full:PC3	17.27	18.00
n41	60MHz	30kHz	505200	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.45	15.00
n41	60MHz	30kHz	505200	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.44	15.00
n41	60MHz	30kHz	505200	33	CP-OFDM 256QAM^Inner_Full:PC3	14.28	15.00
n41	60MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.55	21.00
n41	60MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.12	22.00
n41	60MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.81	21.00
n41	60MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.08	21.00
n41	60MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.65	21.00
n41	60MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.34	21.00
n41	60MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.54	21.00
n41	60MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.08	22.00
n41	60MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.84	21.00
n41	60MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.66	20.00
n41	60MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.14	21.00
n41	60MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.86	20.00
n41	60MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.46	20.00
n41	60MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.02	21.00
n41	60MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.89	20.00
n41	60MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.42	19.00
n41	60MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.82	19.00
n41	60MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.44	19.00
n41	60MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.11	17.00
n41	60MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.75	17.00
n41	60MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.43	17.00
n41	60MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.91	19.00
n41	60MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.58	20.00
n41	60MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	19.34	20.00
n41	60MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.63	19.00
n41	60MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.14	20.00
n41	60MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	18.84	19.00
n41	60MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.08	18.00
n41	60MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.67	18.00
n41	60MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	17.39	18.00
n41	60MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.31	15.00
n41	60MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.91	15.00
n41	60MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	14.44	15.00
n41	60MHz	30kHz	531996	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.75	21.00
n41	60MHz	30kHz	531996	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.71	21.00
n41	60MHz	30kHz	531996	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.82	21.00
n41	60MHz	30kHz	531996	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.24	21.00
n41	60MHz	30kHz	531996	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.23	21.00
n41	60MHz	30kHz	531996	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.31	21.00
n41	60MHz	30kHz	531996	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.69	21.00
n41	60MHz	30kHz	531996	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.66	21.00
n41	60MHz	30kHz	531996	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.82	21.00
n41	60MHz	30kHz	531996	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.77	20.00
n41	60MHz	30kHz	531996	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.74	20.00
n41	60MHz	30kHz	531996	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.81	20.00
n41	60MHz	30kHz	531996	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.65	20.00
n41	60MHz	30kHz	531996	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.64	20.00
n41	60MHz	30kHz	531996	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.83	20.00
n41	60MHz	30kHz	531996	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.57	19.00
n41	60MHz	30kHz	531996	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.46	19.00

n41	60MHz	30kHz	531996	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.40	19.00
n41	60MHz	30kHz	531996	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.30	17.00
n41	60MHz	30kHz	531996	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.28	17.00
n41	60MHz	30kHz	531996	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.42	17.00
n41	60MHz	30kHz	531996	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.10	20.00
n41	60MHz	30kHz	531996	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.10	20.00
n41	60MHz	30kHz	531996	24	CP-OFDM QPSK^Inner_Full:PC3	19.29	20.00
n41	60MHz	30kHz	531996	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.72	19.00
n41	60MHz	30kHz	531996	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.67	19.00
n41	60MHz	30kHz	531996	27	CP-OFDM 16QAM^Inner_Full:PC3	18.82	19.00
n41	60MHz	30kHz	531996	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.33	18.00
n41	60MHz	30kHz	531996	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.31	18.00
n41	60MHz	30kHz	531996	30	CP-OFDM 64QAM^Inner_Full:PC3	17.39	18.00
n41	60MHz	30kHz	531996	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.50	15.00
n41	60MHz	30kHz	531996	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.40	15.00
n41	60MHz	30kHz	531996	33	CP-OFDM 256QAM^Inner_Full:PC3	14.43	15.00
n41	70MHz	30kHz	506202	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.67	21.00
n41	70MHz	30kHz	506202	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.80	21.00
n41	70MHz	30kHz	506202	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.75	21.00
n41	70MHz	30kHz	506202	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.18	21.00
n41	70MHz	30kHz	506202	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.35	21.00
n41	70MHz	30kHz	506202	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.26	21.00
n41	70MHz	30kHz	506202	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.70	21.00
n41	70MHz	30kHz	506202	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.85	21.00
n41	70MHz	30kHz	506202	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.80	21.00
n41	70MHz	30kHz	506202	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.74	20.00
n41	70MHz	30kHz	506202	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.87	20.00
n41	70MHz	30kHz	506202	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.79	20.00
n41	70MHz	30kHz	506202	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.63	20.00
n41	70MHz	30kHz	506202	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.69	20.00
n41	70MHz	30kHz	506202	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.77	20.00
n41	70MHz	30kHz	506202	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.38	19.00
n41	70MHz	30kHz	506202	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.38	19.00
n41	70MHz	30kHz	506202	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.32	19.00
n41	70MHz	30kHz	506202	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.28	17.00
n41	70MHz	30kHz	506202	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.44	17.00
n41	70MHz	30kHz	506202	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.34	17.00
n41	70MHz	30kHz	506202	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.18	20.00
n41	70MHz	30kHz	506202	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.47	20.00
n41	70MHz	30kHz	506202	24	CP-OFDM QPSK^Inner_Full:PC3	19.31	20.00
n41	70MHz	30kHz	506202	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.71	19.00
n41	70MHz	30kHz	506202	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.87	19.00
n41	70MHz	30kHz	506202	27	CP-OFDM 16QAM^Inner_Full:PC3	18.85	19.00
n41	70MHz	30kHz	506202	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.35	18.00
n41	70MHz	30kHz	506202	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.32	18.00
n41	70MHz	30kHz	506202	30	CP-OFDM 64QAM^Inner_Full:PC3	17.31	18.00
n41	70MHz	30kHz	506202	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.43	15.00
n41	70MHz	30kHz	506202	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.63	15.00
n41	70MHz	30kHz	506202	33	CP-OFDM 256QAM^Inner_Full:PC3	14.36	15.00
n41	70MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.63	21.00
n41	70MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.16	22.00
n41	70MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.91	21.00
n41	70MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.13	21.00
n41	70MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.68	21.00
n41	70MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.45	21.00
n41	70MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.67	21.00
n41	70MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.16	22.00
n41	70MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.88	21.00
n41	70MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.70	20.00
n41	70MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.22	21.00
n41	70MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.94	20.00
n41	70MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.58	20.00
n41	70MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.12	21.00
n41	70MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.91	20.00
n41	70MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.43	19.00
n41	70MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.84	19.00
n41	70MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.44	19.00
n41	70MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.24	17.00
n41	70MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.72	17.00
n41	70MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.49	17.00
n41	70MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.04	20.00
n41	70MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.64	20.00
n41	70MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	19.41	20.00

n41	70MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.65	19.00
n41	70MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.16	20.00
n41	70MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	18.96	19.00
n41	70MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.20	18.00
n41	70MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.77	18.00
n41	70MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	17.44	18.00
n41	70MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.33	15.00
n41	70MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.94	15.00
n41	70MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	14.50	15.00
n41	70MHz	30kHz	531000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.77	21.00
n41	70MHz	30kHz	531000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.83	21.00
n41	70MHz	30kHz	531000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.93	21.00
n41	70MHz	30kHz	531000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.30	21.00
n41	70MHz	30kHz	531000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.34	21.00
n41	70MHz	30kHz	531000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.44	21.00
n41	70MHz	30kHz	531000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.77	21.00
n41	70MHz	30kHz	531000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.80	21.00
n41	70MHz	30kHz	531000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.93	21.00
n41	70MHz	30kHz	531000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.79	20.00
n41	70MHz	30kHz	531000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.88	20.00
n41	70MHz	30kHz	531000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.97	20.00
n41	70MHz	30kHz	531000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.67	20.00
n41	70MHz	30kHz	531000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.81	20.00
n41	70MHz	30kHz	531000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.96	20.00
n41	70MHz	30kHz	531000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.65	19.00
n41	70MHz	30kHz	531000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.67	19.00
n41	70MHz	30kHz	531000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.52	19.00
n41	70MHz	30kHz	531000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.35	17.00
n41	70MHz	30kHz	531000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.48	17.00
n41	70MHz	30kHz	531000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.56	17.00
n41	70MHz	30kHz	531000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.11	20.00
n41	70MHz	30kHz	531000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.24	20.00
n41	70MHz	30kHz	531000	24	CP-OFDM QPSK^Inner_Full:PC3	19.41	20.00
n41	70MHz	30kHz	531000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.76	19.00
n41	70MHz	30kHz	531000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.79	19.00
n41	70MHz	30kHz	531000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.00	20.00
n41	70MHz	30kHz	531000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.42	18.00
n41	70MHz	30kHz	531000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.49	18.00
n41	70MHz	30kHz	531000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.53	18.00
n41	70MHz	30kHz	531000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.41	15.00
n41	70MHz	30kHz	531000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.61	15.00
n41	70MHz	30kHz	531000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.58	15.00
n41	80MHz	30kHz	507204	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.83	21.00
n41	80MHz	30kHz	507204	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.96	21.00
n41	80MHz	30kHz	507204	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.86	21.00
n41	80MHz	30kHz	507204	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.31	21.00
n41	80MHz	30kHz	507204	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.48	21.00
n41	80MHz	30kHz	507204	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.35	21.00
n41	80MHz	30kHz	507204	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.86	21.00
n41	80MHz	30kHz	507204	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.98	21.00
n41	80MHz	30kHz	507204	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.87	21.00
n41	80MHz	30kHz	507204	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.93	20.00
n41	80MHz	30kHz	507204	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.01	21.00
n41	80MHz	30kHz	507204	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.85	20.00
n41	80MHz	30kHz	507204	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.75	20.00
n41	80MHz	30kHz	507204	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.90	20.00
n41	80MHz	30kHz	507204	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.85	20.00
n41	80MHz	30kHz	507204	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.59	19.00
n41	80MHz	30kHz	507204	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.86	19.00
n41	80MHz	30kHz	507204	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.40	19.00
n41	80MHz	30kHz	507204	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.49	17.00
n41	80MHz	30kHz	507204	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.54	17.00
n41	80MHz	30kHz	507204	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.43	17.00
n41	80MHz	30kHz	507204	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.43	20.00
n41	80MHz	30kHz	507204	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.30	20.00
n41	80MHz	30kHz	507204	24	CP-OFDM QPSK^Inner_Full:PC3	19.35	20.00
n41	80MHz	30kHz	507204	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.83	19.00
n41	80MHz	30kHz	507204	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.98	19.00
n41	80MHz	30kHz	507204	27	CP-OFDM 16QAM^Inner_Full:PC3	18.81	19.00
n41	80MHz	30kHz	507204	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.68	18.00
n41	80MHz	30kHz	507204	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.76	18.00
n41	80MHz	30kHz	507204	30	CP-OFDM 64QAM^Inner_Full:PC3	17.39	18.00
n41	80MHz	30kHz	507204	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.55	15.00

n41	80MHz	30kHz	507204	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.66	15.00
n41	80MHz	30kHz	507204	33	CP-OFDM 256QAM^Inner_Full:PC3	14.40	15.00
n41	80MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.60	21.00
n41	80MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.27	22.00
n41	80MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.95	21.00
n41	80MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.10	21.00
n41	80MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.82	21.00
n41	80MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.50	21.00
n41	80MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.59	21.00
n41	80MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.22	22.00
n41	80MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.96	21.00
n41	80MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.63	20.00
n41	80MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.30	21.00
n41	80MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.02	21.00
n41	80MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.50	20.00
n41	80MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.20	21.00
n41	80MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.98	20.00
n41	80MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.48	19.00
n41	80MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.01	20.00
n41	80MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.54	19.00
n41	80MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.26	17.00
n41	80MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.97	17.00
n41	80MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.55	17.00
n41	80MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.90	19.00
n41	80MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.63	20.00
n41	80MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	19.43	20.00
n41	80MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.60	19.00
n41	80MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.22	20.00
n41	80MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	18.96	19.00
n41	80MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.15	18.00
n41	80MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.88	18.00
n41	80MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	17.47	18.00
n41	80MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.31	15.00
n41	80MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.03	16.00
n41	80MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	14.52	15.00
n41	80MHz	30kHz	529998	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.79	21.00
n41	80MHz	30kHz	529998	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.91	21.00
n41	80MHz	30kHz	529998	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.98	21.00
n41	80MHz	30kHz	529998	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.30	21.00
n41	80MHz	30kHz	529998	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.40	21.00
n41	80MHz	30kHz	529998	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.47	21.00
n41	80MHz	30kHz	529998	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.81	21.00
n41	80MHz	30kHz	529998	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.84	21.00
n41	80MHz	30kHz	529998	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.98	21.00
n41	80MHz	30kHz	529998	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.84	20.00
n41	80MHz	30kHz	529998	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.92	20.00
n41	80MHz	30kHz	529998	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.98	20.00
n41	80MHz	30kHz	529998	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.56	20.00
n41	80MHz	30kHz	529998	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.81	20.00
n41	80MHz	30kHz	529998	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.95	20.00
n41	80MHz	30kHz	529998	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.40	19.00
n41	80MHz	30kHz	529998	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.69	19.00
n41	80MHz	30kHz	529998	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.53	19.00
n41	80MHz	30kHz	529998	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.36	17.00
n41	80MHz	30kHz	529998	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.46	17.00
n41	80MHz	30kHz	529998	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.56	17.00
n41	80MHz	30kHz	529998	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.16	20.00
n41	80MHz	30kHz	529998	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.28	20.00
n41	80MHz	30kHz	529998	24	CP-OFDM QPSK^Inner_Full:PC3	19.42	20.00
n41	80MHz	30kHz	529998	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.75	19.00
n41	80MHz	30kHz	529998	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.80	19.00
n41	80MHz	30kHz	529998	27	CP-OFDM 16QAM^Inner_Full:PC3	18.92	19.00
n41	80MHz	30kHz	529998	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.43	18.00
n41	80MHz	30kHz	529998	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.56	18.00
n41	80MHz	30kHz	529998	30	CP-OFDM 64QAM^Inner_Full:PC3	17.54	18.00
n41	80MHz	30kHz	529998	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.52	15.00
n41	80MHz	30kHz	529998	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.62	15.00
n41	80MHz	30kHz	529998	33	CP-OFDM 256QAM^Inner_Full:PC3	14.58	15.00
n41	90MHz	30kHz	508200	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.81	21.00
n41	90MHz	30kHz	508200	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.86	21.00
n41	90MHz	30kHz	508200	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.87	21.00
n41	90MHz	30kHz	508200	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.30	21.00
n41	90MHz	30kHz	508200	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.39	21.00

n41	90MHz	30kHz	508200	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.33	21.00
n41	90MHz	30kHz	508200	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.80	21.00
n41	90MHz	30kHz	508200	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.91	21.00
n41	90MHz	30kHz	508200	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.86	21.00
n41	90MHz	30kHz	508200	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.86	20.00
n41	90MHz	30kHz	508200	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.92	20.00
n41	90MHz	30kHz	508200	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.92	20.00
n41	90MHz	30kHz	508200	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.75	20.00
n41	90MHz	30kHz	508200	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.75	20.00
n41	90MHz	30kHz	508200	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.88	20.00
n41	90MHz	30kHz	508200	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.57	19.00
n41	90MHz	30kHz	508200	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.54	19.00
n41	90MHz	30kHz	508200	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.40	19.00
n41	90MHz	30kHz	508200	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.34	17.00
n41	90MHz	30kHz	508200	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.42	17.00
n41	90MHz	30kHz	508200	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.46	17.00
n41	90MHz	30kHz	508200	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.11	20.00
n41	90MHz	30kHz	508200	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.22	20.00
n41	90MHz	30kHz	508200	24	CP-OFDM QPSK^Inner_Full:PC3	19.33	20.00
n41	90MHz	30kHz	508200	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.73	19.00
n41	90MHz	30kHz	508200	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.84	19.00
n41	90MHz	30kHz	508200	27	CP-OFDM 16QAM^Inner_Full:PC3	18.84	19.00
n41	90MHz	30kHz	508200	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.44	18.00
n41	90MHz	30kHz	508200	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.48	18.00
n41	90MHz	30kHz	508200	30	CP-OFDM 64QAM^Inner_Full:PC3	17.37	18.00
n41	90MHz	30kHz	508200	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.54	15.00
n41	90MHz	30kHz	508200	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.62	15.00
n41	90MHz	30kHz	508200	33	CP-OFDM 256QAM^Inner_Full:PC3	14.42	15.00
n41	90MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.56	21.00
n41	90MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.30	22.00
n41	90MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.97	21.00
n41	90MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.04	21.00
n41	90MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.82	21.00
n41	90MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.50	21.00
n41	90MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.53	21.00
n41	90MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.20	22.00
n41	90MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.96	21.00
n41	90MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.61	20.00
n41	90MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.32	21.00
n41	90MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.02	21.00
n41	90MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.44	20.00
n41	90MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.17	21.00
n41	90MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.00	21.00
n41	90MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.37	19.00
n41	90MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.08	20.00
n41	90MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.49	19.00
n41	90MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.14	17.00
n41	90MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.84	17.00
n41	90MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.58	17.00
n41	90MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.80	19.00
n41	90MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.67	20.00
n41	90MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	19.45	20.00
n41	90MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.49	19.00
n41	90MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.23	20.00
n41	90MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	18.96	19.00
n41	90MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.13	18.00
n41	90MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.96	18.00
n41	90MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	17.50	18.00
n41	90MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.27	15.00
n41	90MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.05	16.00
n41	90MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	14.57	15.00
n41	90MHz	30kHz	528996	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.69	21.00
n41	90MHz	30kHz	528996	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.89	21.00
n41	90MHz	30kHz	528996	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.95	21.00
n41	90MHz	30kHz	528996	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.18	21.00
n41	90MHz	30kHz	528996	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.36	21.00
n41	90MHz	30kHz	528996	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.45	21.00
n41	90MHz	30kHz	528996	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.65	21.00
n41	90MHz	30kHz	528996	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.79	21.00
n41	90MHz	30kHz	528996	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.97	21.00
n41	90MHz	30kHz	528996	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.69	20.00
n41	90MHz	30kHz	528996	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.86	20.00
n41	90MHz	30kHz	528996	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.94	20.00

n41	90MHz	30kHz	528996	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.61	20.00
n41	90MHz	30kHz	528996	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.83	20.00
n41	90MHz	30kHz	528996	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.01	21.00
n41	90MHz	30kHz	528996	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.51	19.00
n41	90MHz	30kHz	528996	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.71	19.00
n41	90MHz	30kHz	528996	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.54	19.00
n41	90MHz	30kHz	528996	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.31	17.00
n41	90MHz	30kHz	528996	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.50	17.00
n41	90MHz	30kHz	528996	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.56	17.00
n41	90MHz	30kHz	528996	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.04	20.00
n41	90MHz	30kHz	528996	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.41	20.00
n41	90MHz	30kHz	528996	24	CP-OFDM QPSK^Inner_Full:PC3	19.45	20.00
n41	90MHz	30kHz	528996	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.65	19.00
n41	90MHz	30kHz	528996	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.93	19.00
n41	90MHz	30kHz	528996	27	CP-OFDM 16QAM^Inner_Full:PC3	18.97	19.00
n41	90MHz	30kHz	528996	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.46	18.00
n41	90MHz	30kHz	528996	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.75	18.00
n41	90MHz	30kHz	528996	30	CP-OFDM 64QAM^Inner_Full:PC3	17.48	18.00
n41	90MHz	30kHz	528996	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.37	15.00
n41	90MHz	30kHz	528996	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.61	15.00
n41	90MHz	30kHz	528996	33	CP-OFDM 256QAM^Inner_Full:PC3	14.60	15.00
n41	100MHz	30kHz	509202	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.84	21.00
n41	100MHz	30kHz	509202	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.13	22.00
n41	100MHz	30kHz	509202	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.93	21.00
n41	100MHz	30kHz	509202	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.34	21.00
n41	100MHz	30kHz	509202	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.65	21.00
n41	100MHz	30kHz	509202	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.44	21.00
n41	100MHz	30kHz	509202	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.85	21.00
n41	100MHz	30kHz	509202	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.15	22.00
n41	100MHz	30kHz	509202	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.93	21.00
n41	100MHz	30kHz	509202	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.87	20.00
n41	100MHz	30kHz	509202	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.18	21.00
n41	100MHz	30kHz	509202	12	DFT-s-OFDM QPSK^Outer_Full:PC3	19.97	20.00
n41	100MHz	30kHz	509202	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.73	20.00
n41	100MHz	30kHz	509202	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.03	21.00
n41	100MHz	30kHz	509202	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	19.97	20.00
n41	100MHz	30kHz	509202	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.58	19.00
n41	100MHz	30kHz	509202	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.88	19.00
n41	100MHz	30kHz	509202	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.52	19.00
n41	100MHz	30kHz	509202	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.45	17.00
n41	100MHz	30kHz	509202	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.76	17.00
n41	100MHz	30kHz	509202	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.56	17.00
n41	100MHz	30kHz	509202	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.22	20.00
n41	100MHz	30kHz	509202	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.42	20.00
n41	100MHz	30kHz	509202	24	CP-OFDM QPSK^Inner_Full:PC3	19.40	20.00
n41	100MHz	30kHz	509202	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.78	19.00
n41	100MHz	30kHz	509202	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.03	20.00
n41	100MHz	30kHz	509202	27	CP-OFDM 16QAM^Inner_Full:PC3	18.97	19.00
n41	100MHz	30kHz	509202	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.48	18.00
n41	100MHz	30kHz	509202	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.74	18.00
n41	100MHz	30kHz	509202	30	CP-OFDM 64QAM^Inner_Full:PC3	17.48	18.00
n41	100MHz	30kHz	509202	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.55	15.00
n41	100MHz	30kHz	509202	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.81	15.00
n41	100MHz	30kHz	509202	33	CP-OFDM 256QAM^Inner_Full:PC3	14.51	15.00
n41	100MHz	30kHz	518598	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.57	21.00
n41	100MHz	30kHz	518598	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.29	22.00
n41	100MHz	30kHz	518598	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	20.96	21.00
n41	100MHz	30kHz	518598	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.04	21.00
n41	100MHz	30kHz	518598	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.78	21.00
n41	100MHz	30kHz	518598	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.48	21.00
n41	100MHz	30kHz	518598	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.60	21.00
n41	100MHz	30kHz	518598	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.25	22.00
n41	100MHz	30kHz	518598	9	DFT-s-OFDM QPSK^Inner_Full:PC3	20.96	21.00
n41	100MHz	30kHz	518598	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.63	20.00
n41	100MHz	30kHz	518598	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.29	21.00
n41	100MHz	30kHz	518598	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.00	21.00
n41	100MHz	30kHz	518598	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.47	20.00
n41	100MHz	30kHz	518598	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.21	21.00
n41	100MHz	30kHz	518598	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.00	21.00
n41	100MHz	30kHz	518598	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.53	19.00
n41	100MHz	30kHz	518598	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.09	20.00
n41	100MHz	30kHz	518598	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.50	19.00
n41	100MHz	30kHz	518598	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.14	17.00

n41	100MHz	30kHz	518598	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.85	17.00
n41	100MHz	30kHz	518598	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.59	17.00
n41	100MHz	30kHz	518598	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.89	19.00
n41	100MHz	30kHz	518598	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.66	20.00
n41	100MHz	30kHz	518598	24	CP-OFDM QPSK^Inner_Full:PC3	19.42	20.00
n41	100MHz	30kHz	518598	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.52	19.00
n41	100MHz	30kHz	518598	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.23	20.00
n41	100MHz	30kHz	518598	27	CP-OFDM 16QAM^Inner_Full:PC3	18.97	19.00
n41	100MHz	30kHz	518598	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.18	18.00
n41	100MHz	30kHz	518598	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.92	18.00
n41	100MHz	30kHz	518598	30	CP-OFDM 64QAM^Inner_Full:PC3	17.49	18.00
n41	100MHz	30kHz	518598	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.30	15.00
n41	100MHz	30kHz	518598	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.01	16.00
n41	100MHz	30kHz	518598	33	CP-OFDM 256QAM^Inner_Full:PC3	14.57	15.00
n41	100MHz	30kHz	528000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	20.51	21.00
n41	100MHz	30kHz	528000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	20.95	21.00
n41	100MHz	30kHz	528000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.02	22.00
n41	100MHz	30kHz	528000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.01	21.00
n41	100MHz	30kHz	528000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.45	21.00
n41	100MHz	30kHz	528000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	20.47	21.00
n41	100MHz	30kHz	528000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	20.52	21.00
n41	100MHz	30kHz	528000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	20.90	21.00
n41	100MHz	30kHz	528000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.02	22.00
n41	100MHz	30kHz	528000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	19.58	20.00
n41	100MHz	30kHz	528000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	19.97	20.00
n41	100MHz	30kHz	528000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.00	21.00
n41	100MHz	30kHz	528000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	19.46	20.00
n41	100MHz	30kHz	528000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	19.90	20.00
n41	100MHz	30kHz	528000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.04	21.00
n41	100MHz	30kHz	528000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.44	19.00
n41	100MHz	30kHz	528000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	18.77	19.00
n41	100MHz	30kHz	528000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	18.58	19.00
n41	100MHz	30kHz	528000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.15	17.00
n41	100MHz	30kHz	528000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.61	17.00
n41	100MHz	30kHz	528000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	16.62	17.00
n41	100MHz	30kHz	528000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	18.90	19.00
n41	100MHz	30kHz	528000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.42	20.00
n41	100MHz	30kHz	528000	24	CP-OFDM QPSK^Inner_Full:PC3	19.46	20.00
n41	100MHz	30kHz	528000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	18.46	19.00
n41	100MHz	30kHz	528000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	18.93	19.00
n41	100MHz	30kHz	528000	27	CP-OFDM 16QAM^Inner_Full:PC3	18.99	19.00
n41	100MHz	30kHz	528000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.16	18.00
n41	100MHz	30kHz	528000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.67	18.00
n41	100MHz	30kHz	528000	30	CP-OFDM 64QAM^Inner_Full:PC3	17.56	18.00
n41	100MHz	30kHz	528000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.25	15.00
n41	100MHz	30kHz	528000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.72	15.00
n41	100MHz	30kHz	528000	33	CP-OFDM 256QAM^Inner_Full:PC3	14.62	15.00

7.1.27. Conducted Power Measurement Results(5G NR Band 66)

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	Tune Up (dBm)
n66	5MHz	15kHz	422500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.31	22.00
n66	5MHz	15kHz	422500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.39	22.00
n66	5MHz	15kHz	422500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.48	22.00
n66	5MHz	15kHz	422500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.82	21.00
n66	5MHz	15kHz	422500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.91	21.00
n66	5MHz	15kHz	422500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.00	22.00
n66	5MHz	15kHz	422500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.33	22.00
n66	5MHz	15kHz	422500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.40	22.00
n66	5MHz	15kHz	422500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.54	22.00
n66	5MHz	15kHz	422500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.36	21.00
n66	5MHz	15kHz	422500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.38	21.00
n66	5MHz	15kHz	422500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.53	21.00
n66	5MHz	15kHz	422500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.51	21.00
n66	5MHz	15kHz	422500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.59	21.00
n66	5MHz	15kHz	422500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.47	21.00
n66	5MHz	15kHz	422500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.12	20.00
n66	5MHz	15kHz	422500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.17	20.00
n66	5MHz	15kHz	422500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.05	20.00
n66	5MHz	15kHz	422500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.84	17.00
n66	5MHz	15kHz	422500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.91	17.00
n66	5MHz	15kHz	422500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.05	18.00
n66	5MHz	15kHz	422500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.82	20.00
n66	5MHz	15kHz	422500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.76	20.00
n66	5MHz	15kHz	422500	24	CP-OFDM QPSK^Inner_Full:PC3	19.96	20.00
n66	5MHz	15kHz	422500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.48	20.00
n66	5MHz	15kHz	422500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.49	20.00
n66	5MHz	15kHz	422500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.47	20.00
n66	5MHz	15kHz	422500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	17.90	18.00
n66	5MHz	15kHz	422500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	17.87	18.00
n66	5MHz	15kHz	422500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.00	19.00
n66	5MHz	15kHz	422500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.03	16.00
n66	5MHz	15kHz	422500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.04	16.00
n66	5MHz	15kHz	422500	33	CP-OFDM 256QAM^Inner_Full:PC3	14.98	15.00
n66	5MHz	15kHz	429000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.59	22.00
n66	5MHz	15kHz	429000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.73	22.00
n66	5MHz	15kHz	429000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.78	22.00
n66	5MHz	15kHz	429000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.12	22.00
n66	5MHz	15kHz	429000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.22	22.00
n66	5MHz	15kHz	429000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.26	22.00
n66	5MHz	15kHz	429000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.61	22.00
n66	5MHz	15kHz	429000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.62	22.00
n66	5MHz	15kHz	429000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.84	22.00
n66	5MHz	15kHz	429000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.60	21.00
n66	5MHz	15kHz	429000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.69	21.00
n66	5MHz	15kHz	429000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.80	21.00
n66	5MHz	15kHz	429000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.84	21.00
n66	5MHz	15kHz	429000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.83	21.00
n66	5MHz	15kHz	429000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.76	21.00
n66	5MHz	15kHz	429000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.16	20.00
n66	5MHz	15kHz	429000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.32	20.00
n66	5MHz	15kHz	429000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.29	20.00
n66	5MHz	15kHz	429000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.16	18.00
n66	5MHz	15kHz	429000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.21	18.00
n66	5MHz	15kHz	429000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.31	18.00
n66	5MHz	15kHz	429000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.09	21.00
n66	5MHz	15kHz	429000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.18	21.00
n66	5MHz	15kHz	429000	24	CP-OFDM QPSK^Inner_Full:PC3	20.19	21.00
n66	5MHz	15kHz	429000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.75	20.00
n66	5MHz	15kHz	429000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.77	20.00
n66	5MHz	15kHz	429000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.68	20.00
n66	5MHz	15kHz	429000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.20	19.00
n66	5MHz	15kHz	429000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.22	19.00
n66	5MHz	15kHz	429000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.24	19.00
n66	5MHz	15kHz	429000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.22	16.00
n66	5MHz	15kHz	429000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.23	16.00
n66	5MHz	15kHz	429000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.21	16.00
n66	5MHz	15kHz	435500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.61	22.00
n66	5MHz	15kHz	435500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.68	22.00
n66	5MHz	15kHz	435500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.78	22.00

n66	5MHz	15kHz	435500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.13	22.00
n66	5MHz	15kHz	435500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.20	22.00
n66	5MHz	15kHz	435500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.28	22.00
n66	5MHz	15kHz	435500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.58	22.00
n66	5MHz	15kHz	435500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.64	22.00
n66	5MHz	15kHz	435500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.81	22.00
n66	5MHz	15kHz	435500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.61	21.00
n66	5MHz	15kHz	435500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.72	21.00
n66	5MHz	15kHz	435500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.77	21.00
n66	5MHz	15kHz	435500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.72	21.00
n66	5MHz	15kHz	435500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.83	21.00
n66	5MHz	15kHz	435500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.75	21.00
n66	5MHz	15kHz	435500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.25	20.00
n66	5MHz	15kHz	435500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.41	20.00
n66	5MHz	15kHz	435500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.27	20.00
n66	5MHz	15kHz	435500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.23	18.00
n66	5MHz	15kHz	435500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.22	18.00
n66	5MHz	15kHz	435500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.32	18.00
n66	10MHz	15kHz	423000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.40	22.00
n66	10MHz	15kHz	423000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.54	22.00
n66	10MHz	15kHz	423000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.56	22.00
n66	10MHz	15kHz	423000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.98	21.00
n66	10MHz	15kHz	423000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.02	22.00
n66	10MHz	15kHz	423000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.04	22.00
n66	10MHz	15kHz	423000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.37	22.00
n66	10MHz	15kHz	423000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.44	22.00
n66	10MHz	15kHz	423000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.56	22.00
n66	10MHz	15kHz	423000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.44	21.00
n66	10MHz	15kHz	423000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.52	21.00
n66	10MHz	15kHz	423000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.56	21.00
n66	10MHz	15kHz	423000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.64	21.00
n66	10MHz	15kHz	423000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.73	21.00
n66	10MHz	15kHz	423000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.58	21.00
n66	10MHz	15kHz	423000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.15	20.00
n66	10MHz	15kHz	423000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.25	20.00
n66	10MHz	15kHz	423000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.13	20.00
n66	10MHz	15kHz	423000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.94	17.00
n66	10MHz	15kHz	423000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.94	17.00
n66	10MHz	15kHz	423000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.05	18.00
n66	10MHz	15kHz	429000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.56	22.00
n66	10MHz	15kHz	429000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.71	22.00
n66	10MHz	15kHz	429000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.70	22.00
n66	10MHz	15kHz	429000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.08	22.00
n66	10MHz	15kHz	429000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.23	22.00
n66	10MHz	15kHz	429000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.22	22.00
n66	10MHz	15kHz	429000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.53	22.00
n66	10MHz	15kHz	429000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.66	22.00
n66	10MHz	15kHz	429000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.73	22.00
n66	10MHz	15kHz	429000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.56	21.00
n66	10MHz	15kHz	429000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.71	21.00
n66	10MHz	15kHz	429000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.72	21.00
n66	10MHz	15kHz	429000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.67	21.00
n66	10MHz	15kHz	429000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.87	21.00
n66	10MHz	15kHz	429000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.72	21.00
n66	10MHz	15kHz	429000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.08	20.00
n66	10MHz	15kHz	429000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.45	20.00
n66	10MHz	15kHz	429000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.25	20.00
n66	10MHz	15kHz	429000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.01	18.00
n66	10MHz	15kHz	429000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.15	18.00
n66	10MHz	15kHz	429000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.20	18.00
n66	10MHz	15kHz	429000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.02	21.00
n66	10MHz	15kHz	429000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.20	21.00
n66	10MHz	15kHz	429000	24	CP-OFDM QPSK^Inner_Full:PC3	20.09	21.00
n66	10MHz	15kHz	429000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.66	20.00
n66	10MHz	15kHz	429000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.87	20.00
n66	10MHz	15kHz	429000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.59	20.00
n66	10MHz	15kHz	429000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.12	19.00
n66	10MHz	15kHz	429000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.25	19.00
n66	10MHz	15kHz	429000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.15	19.00
n66	10MHz	15kHz	429000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.18	16.00
n66	10MHz	15kHz	429000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.30	16.00
n66	10MHz	15kHz	429000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.15	16.00
n66	10MHz	15kHz	435000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.63	22.00

n66	10MHz	15kHz	435000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.69	22.00
n66	10MHz	15kHz	435000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.71	22.00
n66	10MHz	15kHz	435000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.17	22.00
n66	10MHz	15kHz	435000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.19	22.00
n66	10MHz	15kHz	435000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.22	22.00
n66	10MHz	15kHz	435000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.64	22.00
n66	10MHz	15kHz	435000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.65	22.00
n66	10MHz	15kHz	435000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.69	22.00
n66	10MHz	15kHz	435000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.67	21.00
n66	10MHz	15kHz	435000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.70	21.00
n66	10MHz	15kHz	435000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.74	21.00
n66	10MHz	15kHz	435000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.83	21.00
n66	10MHz	15kHz	435000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.80	21.00
n66	10MHz	15kHz	435000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.70	21.00
n66	10MHz	15kHz	435000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.17	20.00
n66	10MHz	15kHz	435000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.36	20.00
n66	10MHz	15kHz	435000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.26	20.00
n66	10MHz	15kHz	435000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.15	18.00
n66	10MHz	15kHz	435000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.18	18.00
n66	10MHz	15kHz	435000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.21	18.00
n66	10MHz	15kHz	435000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.04	21.00
n66	10MHz	15kHz	435000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.17	21.00
n66	10MHz	15kHz	435000	24	CP-OFDM QPSK^Inner_Full:PC3	20.12	21.00
n66	10MHz	15kHz	435000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.74	20.00
n66	10MHz	15kHz	435000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.80	20.00
n66	10MHz	15kHz	435000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.63	20.00
n66	10MHz	15kHz	435000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.26	19.00
n66	10MHz	15kHz	435000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.32	19.00
n66	10MHz	15kHz	435000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.13	19.00
n66	10MHz	15kHz	435000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.30	16.00
n66	10MHz	15kHz	435000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.35	16.00
n66	10MHz	15kHz	435000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.16	16.00
n66	15MHz	15kHz	423500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.43	22.00
n66	15MHz	15kHz	423500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.48	22.00
n66	15MHz	15kHz	423500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.52	22.00
n66	15MHz	15kHz	423500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.92	21.00
n66	15MHz	15kHz	423500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.01	22.00
n66	15MHz	15kHz	423500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.10	22.00
n66	15MHz	15kHz	423500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.35	22.00
n66	15MHz	15kHz	423500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.45	22.00
n66	15MHz	15kHz	423500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.54	22.00
n66	15MHz	15kHz	423500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.43	21.00
n66	15MHz	15kHz	423500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.56	21.00
n66	15MHz	15kHz	423500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.60	21.00
n66	15MHz	15kHz	423500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.65	21.00
n66	15MHz	15kHz	423500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.62	21.00
n66	15MHz	15kHz	423500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.59	21.00
n66	15MHz	15kHz	423500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	18.99	19.00
n66	15MHz	15kHz	423500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.15	20.00
n66	15MHz	15kHz	423500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.08	20.00
n66	15MHz	15kHz	423500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.93	17.00
n66	15MHz	15kHz	423500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.02	18.00
n66	15MHz	15kHz	423500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.03	18.00
n66	15MHz	15kHz	423500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.82	20.00
n66	15MHz	15kHz	423500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.79	20.00
n66	15MHz	15kHz	423500	24	CP-OFDM QPSK^Inner_Full:PC3	20.07	21.00
n66	15MHz	15kHz	423500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.55	20.00
n66	15MHz	15kHz	423500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.53	20.00
n66	15MHz	15kHz	423500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.54	20.00
n66	15MHz	15kHz	423500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.05	19.00
n66	15MHz	15kHz	423500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.11	19.00
n66	15MHz	15kHz	423500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.07	19.00
n66	15MHz	15kHz	423500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.05	16.00
n66	15MHz	15kHz	423500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.99	15.00
n66	15MHz	15kHz	423500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.02	16.00
n66	15MHz	15kHz	429000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.50	22.00
n66	15MHz	15kHz	429000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.74	22.00
n66	15MHz	15kHz	429000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.70	22.00
n66	15MHz	15kHz	429000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.00	22.00
n66	15MHz	15kHz	429000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.22	22.00
n66	15MHz	15kHz	429000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.18	22.00
n66	15MHz	15kHz	429000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.49	22.00
n66	15MHz	15kHz	429000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.71	22.00

n66	15MHz	15kHz	429000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.71	22.00
n66	15MHz	15kHz	429000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.49	21.00
n66	15MHz	15kHz	429000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.70	21.00
n66	15MHz	15kHz	429000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.73	21.00
n66	15MHz	15kHz	429000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.70	21.00
n66	15MHz	15kHz	429000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.85	21.00
n66	15MHz	15kHz	429000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.73	21.00
n66	15MHz	15kHz	429000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.26	20.00
n66	15MHz	15kHz	429000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.36	20.00
n66	15MHz	15kHz	429000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.24	20.00
n66	15MHz	15kHz	429000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.02	18.00
n66	15MHz	15kHz	429000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.16	18.00
n66	15MHz	15kHz	429000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.18	18.00
n66	15MHz	15kHz	429000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.98	20.00
n66	15MHz	15kHz	429000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.11	21.00
n66	15MHz	15kHz	429000	24	CP-OFDM QPSK^Inner_Full:PC3	20.23	21.00
n66	15MHz	15kHz	429000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.60	20.00
n66	15MHz	15kHz	429000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.70	20.00
n66	15MHz	15kHz	429000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.73	20.00
n66	15MHz	15kHz	429000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.06	19.00
n66	15MHz	15kHz	429000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.24	19.00
n66	15MHz	15kHz	429000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.26	19.00
n66	15MHz	15kHz	429000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.12	16.00
n66	15MHz	15kHz	429000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.25	16.00
n66	15MHz	15kHz	429000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.20	16.00
n66	15MHz	15kHz	434500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.64	22.00
n66	15MHz	15kHz	434500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.72	22.00
n66	15MHz	15kHz	434500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.72	22.00
n66	15MHz	15kHz	434500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.16	22.00
n66	15MHz	15kHz	434500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.19	22.00
n66	15MHz	15kHz	434500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.24	22.00
n66	15MHz	15kHz	434500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.58	22.00
n66	15MHz	15kHz	434500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.60	22.00
n66	15MHz	15kHz	434500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.73	22.00
n66	15MHz	15kHz	434500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.66	21.00
n66	15MHz	15kHz	434500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.62	21.00
n66	15MHz	15kHz	434500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.75	21.00
n66	15MHz	15kHz	434500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.79	21.00
n66	15MHz	15kHz	434500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.81	21.00
n66	15MHz	15kHz	434500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.73	21.00
n66	15MHz	15kHz	434500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.29	20.00
n66	15MHz	15kHz	434500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.32	20.00
n66	15MHz	15kHz	434500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.22	20.00
n66	15MHz	15kHz	434500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.14	18.00
n66	15MHz	15kHz	434500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.14	18.00
n66	15MHz	15kHz	434500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.23	18.00
n66	20MHz	15kHz	424000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.37	22.00
n66	20MHz	15kHz	424000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.38	22.00
n66	20MHz	15kHz	424000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.52	22.00
n66	20MHz	15kHz	424000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.87	21.00
n66	20MHz	15kHz	424000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.94	21.00
n66	20MHz	15kHz	424000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.03	22.00
n66	20MHz	15kHz	424000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.36	22.00
n66	20MHz	15kHz	424000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.41	22.00
n66	20MHz	15kHz	424000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.56	22.00
n66	20MHz	15kHz	424000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.42	21.00
n66	20MHz	15kHz	424000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.41	21.00
n66	20MHz	15kHz	424000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.56	21.00
n66	20MHz	15kHz	424000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.55	21.00
n66	20MHz	15kHz	424000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.61	21.00
n66	20MHz	15kHz	424000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.58	21.00
n66	20MHz	15kHz	424000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.15	20.00
n66	20MHz	15kHz	424000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.09	20.00
n66	20MHz	15kHz	424000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.07	20.00
n66	20MHz	15kHz	424000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.86	17.00
n66	20MHz	15kHz	424000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.89	17.00
n66	20MHz	15kHz	424000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.04	18.00
n66	20MHz	15kHz	424000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.78	20.00
n66	20MHz	15kHz	424000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.83	20.00
n66	20MHz	15kHz	424000	24	CP-OFDM QPSK^Inner_Full:PC3	20.07	21.00
n66	20MHz	15kHz	424000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.52	20.00
n66	20MHz	15kHz	424000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.52	20.00
n66	20MHz	15kHz	424000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.56	20.00

n66	20MHz	15kHz	424000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.05	19.00
n66	20MHz	15kHz	424000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.02	19.00
n66	20MHz	15kHz	424000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.03	19.00
n66	20MHz	15kHz	424000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.10	16.00
n66	20MHz	15kHz	424000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	14.95	15.00
n66	20MHz	15kHz	424000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.00	16.00
n66	20MHz	15kHz	434000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.66	22.00
n66	20MHz	15kHz	434000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.65	22.00
n66	20MHz	15kHz	434000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.73	22.00
n66	20MHz	15kHz	434000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.16	22.00
n66	20MHz	15kHz	434000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.14	22.00
n66	20MHz	15kHz	434000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.27	22.00
n66	20MHz	15kHz	434000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.58	22.00
n66	20MHz	15kHz	434000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.53	22.00
n66	20MHz	15kHz	434000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.74	22.00
n66	20MHz	15kHz	434000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.66	21.00
n66	20MHz	15kHz	434000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.63	21.00
n66	20MHz	15kHz	434000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.75	21.00
n66	20MHz	15kHz	434000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.80	21.00
n66	20MHz	15kHz	434000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.69	21.00
n66	20MHz	15kHz	434000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.75	21.00
n66	20MHz	15kHz	434000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.37	20.00
n66	20MHz	15kHz	434000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.38	20.00
n66	20MHz	15kHz	434000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.23	20.00
n66	20MHz	15kHz	434000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.05	18.00
n66	20MHz	15kHz	434000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.14	18.00
n66	20MHz	15kHz	434000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.25	18.00
n66	20MHz	15kHz	434000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.06	21.00
n66	20MHz	15kHz	434000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.05	21.00
n66	20MHz	15kHz	434000	24	CP-OFDM QPSK^Inner_Full:PC3	20.22	21.00
n66	20MHz	15kHz	434000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.77	20.00
n66	20MHz	15kHz	434000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.69	20.00
n66	20MHz	15kHz	434000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.70	20.00
n66	20MHz	15kHz	434000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.15	19.00
n66	20MHz	15kHz	434000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.16	19.00
n66	20MHz	15kHz	434000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.20	19.00
n66	20MHz	15kHz	434000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.27	16.00
n66	20MHz	15kHz	434000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.27	16.00
n66	20MHz	15kHz	434000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.20	16.00
n66	25MHz	15kHz	424500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.43	22.00
n66	25MHz	15kHz	424500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.45	22.00
n66	25MHz	15kHz	424500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.59	22.00
n66	25MHz	15kHz	424500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.94	21.00
n66	25MHz	15kHz	424500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	20.94	21.00
n66	25MHz	15kHz	424500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.06	22.00
n66	25MHz	15kHz	424500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.38	22.00
n66	25MHz	15kHz	424500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.37	22.00
n66	25MHz	15kHz	424500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.60	22.00
n66	25MHz	15kHz	424500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.43	21.00
n66	25MHz	15kHz	424500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.39	21.00
n66	25MHz	15kHz	424500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.55	21.00
n66	25MHz	15kHz	424500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.59	21.00
n66	25MHz	15kHz	424500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.62	21.00
n66	25MHz	15kHz	424500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.58	21.00
n66	25MHz	15kHz	424500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.07	20.00
n66	25MHz	15kHz	424500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.17	20.00
n66	25MHz	15kHz	424500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.10	20.00
n66	25MHz	15kHz	424500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.86	17.00
n66	25MHz	15kHz	424500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	16.89	17.00
n66	25MHz	15kHz	424500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.10	18.00
n66	25MHz	15kHz	424500	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.96	20.00
n66	25MHz	15kHz	424500	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.96	20.00
n66	25MHz	15kHz	424500	24	CP-OFDM QPSK^Inner_Full:PC3	20.05	21.00
n66	25MHz	15kHz	424500	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.53	20.00
n66	25MHz	15kHz	424500	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.60	20.00
n66	25MHz	15kHz	424500	27	CP-OFDM 16QAM^Inner_Full:PC3	19.55	20.00
n66	25MHz	15kHz	424500	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.05	19.00
n66	25MHz	15kHz	424500	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.04	19.00
n66	25MHz	15kHz	424500	30	CP-OFDM 64QAM^Inner_Full:PC3	18.05	19.00
n66	25MHz	15kHz	424500	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.04	16.00
n66	25MHz	15kHz	424500	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.16	16.00
n66	25MHz	15kHz	424500	33	CP-OFDM 256QAM^Inner_Full:PC3	15.04	16.00
n66	25MHz	15kHz	429000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.41	22.00

n66	25MHz	15kHz	429000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.68	22.00
n66	25MHz	15kHz	429000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.72	22.00
n66	25MHz	15kHz	429000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.92	21.00
n66	25MHz	15kHz	429000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.19	22.00
n66	25MHz	15kHz	429000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.17	22.00
n66	25MHz	15kHz	429000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.37	22.00
n66	25MHz	15kHz	429000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.66	22.00
n66	25MHz	15kHz	429000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.73	22.00
n66	25MHz	15kHz	429000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.43	21.00
n66	25MHz	15kHz	429000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.71	21.00
n66	25MHz	15kHz	429000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.69	21.00
n66	25MHz	15kHz	429000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.54	21.00
n66	25MHz	15kHz	429000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.85	21.00
n66	25MHz	15kHz	429000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.72	21.00
n66	25MHz	15kHz	429000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.14	20.00
n66	25MHz	15kHz	429000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.35	20.00
n66	25MHz	15kHz	429000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.25	20.00
n66	25MHz	15kHz	429000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.77	17.00
n66	25MHz	15kHz	429000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.14	18.00
n66	25MHz	15kHz	429000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.24	18.00
n66	25MHz	15kHz	429000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.90	20.00
n66	25MHz	15kHz	429000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.15	21.00
n66	25MHz	15kHz	429000	24	CP-OFDM QPSK^Inner_Full:PC3	20.22	21.00
n66	25MHz	15kHz	429000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.56	20.00
n66	25MHz	15kHz	429000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.80	20.00
n66	25MHz	15kHz	429000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.72	20.00
n66	25MHz	15kHz	429000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.03	19.00
n66	25MHz	15kHz	429000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.35	19.00
n66	25MHz	15kHz	429000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.25	19.00
n66	25MHz	15kHz	429000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.01	16.00
n66	25MHz	15kHz	429000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.38	16.00
n66	25MHz	15kHz	429000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.21	16.00
n66	25MHz	15kHz	433500	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.71	22.00
n66	25MHz	15kHz	433500	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.62	22.00
n66	25MHz	15kHz	433500	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.87	22.00
n66	25MHz	15kHz	433500	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.20	22.00
n66	25MHz	15kHz	433500	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.20	22.00
n66	25MHz	15kHz	433500	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.32	22.00
n66	25MHz	15kHz	433500	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.65	22.00
n66	25MHz	15kHz	433500	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.55	22.00
n66	25MHz	15kHz	433500	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.89	22.00
n66	25MHz	15kHz	433500	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.73	21.00
n66	25MHz	15kHz	433500	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.68	21.00
n66	25MHz	15kHz	433500	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.84	21.00
n66	25MHz	15kHz	433500	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.88	21.00
n66	25MHz	15kHz	433500	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.78	21.00
n66	25MHz	15kHz	433500	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.85	21.00
n66	25MHz	15kHz	433500	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.44	20.00
n66	25MHz	15kHz	433500	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.29	20.00
n66	25MHz	15kHz	433500	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.38	20.00
n66	25MHz	15kHz	433500	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.05	18.00
n66	25MHz	15kHz	433500	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.13	18.00
n66	25MHz	15kHz	433500	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.36	18.00
n66	30MHz	15kHz	425000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.51	22.00
n66	30MHz	15kHz	425000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.64	22.00
n66	30MHz	15kHz	425000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.60	22.00
n66	30MHz	15kHz	425000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.03	22.00
n66	30MHz	15kHz	425000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.15	22.00
n66	30MHz	15kHz	425000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.12	22.00
n66	30MHz	15kHz	425000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.42	22.00
n66	30MHz	15kHz	425000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.56	22.00
n66	30MHz	15kHz	425000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.63	22.00
n66	30MHz	15kHz	425000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.46	21.00
n66	30MHz	15kHz	425000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.67	21.00
n66	30MHz	15kHz	425000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.62	21.00
n66	30MHz	15kHz	425000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.65	21.00
n66	30MHz	15kHz	425000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.79	21.00
n66	30MHz	15kHz	425000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.62	21.00
n66	30MHz	15kHz	425000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.15	20.00
n66	30MHz	15kHz	425000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.39	20.00
n66	30MHz	15kHz	425000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.12	20.00
n66	30MHz	15kHz	425000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.88	17.00
n66	30MHz	15kHz	425000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.09	18.00

n66	30MHz	15kHz	425000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.10	18.00
n66	30MHz	15kHz	429000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.49	22.00
n66	30MHz	15kHz	429000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.80	22.00
n66	30MHz	15kHz	429000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.77	22.00
n66	30MHz	15kHz	429000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.99	21.00
n66	30MHz	15kHz	429000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.29	22.00
n66	30MHz	15kHz	429000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.20	22.00
n66	30MHz	15kHz	429000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.46	22.00
n66	30MHz	15kHz	429000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.72	22.00
n66	30MHz	15kHz	429000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.81	22.00
n66	30MHz	15kHz	429000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.47	21.00
n66	30MHz	15kHz	429000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.79	21.00
n66	30MHz	15kHz	429000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.74	21.00
n66	30MHz	15kHz	429000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.61	21.00
n66	30MHz	15kHz	429000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.97	21.00
n66	30MHz	15kHz	429000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.82	21.00
n66	30MHz	15kHz	429000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.09	20.00
n66	30MHz	15kHz	429000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.39	20.00
n66	30MHz	15kHz	429000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.32	20.00
n66	30MHz	15kHz	429000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.95	17.00
n66	30MHz	15kHz	429000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.23	18.00
n66	30MHz	15kHz	429000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.27	18.00
n66	30MHz	15kHz	433000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.73	22.00
n66	30MHz	15kHz	433000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.71	22.00
n66	30MHz	15kHz	433000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.87	22.00
n66	30MHz	15kHz	433000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	21.25	22.00
n66	30MHz	15kHz	433000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.25	22.00
n66	30MHz	15kHz	433000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.35	22.00
n66	30MHz	15kHz	433000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.69	22.00
n66	30MHz	15kHz	433000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.62	22.00
n66	30MHz	15kHz	433000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.89	22.00
n66	30MHz	15kHz	433000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.74	21.00
n66	30MHz	15kHz	433000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.75	21.00
n66	30MHz	15kHz	433000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.86	21.00
n66	30MHz	15kHz	433000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.86	21.00
n66	30MHz	15kHz	433000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.88	21.00
n66	30MHz	15kHz	433000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.87	21.00
n66	30MHz	15kHz	433000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.31	20.00
n66	30MHz	15kHz	433000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.40	20.00
n66	30MHz	15kHz	433000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.39	20.00
n66	30MHz	15kHz	433000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	17.13	18.00
n66	30MHz	15kHz	433000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.17	18.00
n66	30MHz	15kHz	433000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.36	18.00
n66	30MHz	15kHz	433000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	20.15	21.00
n66	30MHz	15kHz	433000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.12	21.00
n66	30MHz	15kHz	433000	24	CP-OFDM QPSK^Inner_Full:PC3	20.35	21.00
n66	30MHz	15kHz	433000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.84	20.00
n66	30MHz	15kHz	433000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.79	20.00
n66	30MHz	15kHz	433000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.79	20.00
n66	30MHz	15kHz	433000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.31	19.00
n66	30MHz	15kHz	433000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.29	19.00
n66	30MHz	15kHz	433000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.34	19.00
n66	30MHz	15kHz	433000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.34	16.00
n66	30MHz	15kHz	433000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.37	16.00
n66	30MHz	15kHz	433000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.31	16.00
n66	40MHz	15kHz	426000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.44	22.00
n66	40MHz	15kHz	426000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.68	22.00
n66	40MHz	15kHz	426000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.60	22.00
n66	40MHz	15kHz	426000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.96	21.00
n66	40MHz	15kHz	426000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.18	22.00
n66	40MHz	15kHz	426000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.03	22.00
n66	40MHz	15kHz	426000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.37	22.00
n66	40MHz	15kHz	426000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.60	22.00
n66	40MHz	15kHz	426000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.65	22.00
n66	40MHz	15kHz	426000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.41	21.00
n66	40MHz	15kHz	426000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.66	21.00
n66	40MHz	15kHz	426000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.58	21.00
n66	40MHz	15kHz	426000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.60	21.00
n66	40MHz	15kHz	426000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.85	21.00
n66	40MHz	15kHz	426000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.63	21.00
n66	40MHz	15kHz	426000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.09	20.00
n66	40MHz	15kHz	426000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.46	20.00
n66	40MHz	15kHz	426000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.10	20.00

n66	40MHz	15kHz	426000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.86	17.00
n66	40MHz	15kHz	426000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.17	18.00
n66	40MHz	15kHz	426000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.06	18.00
n66	40MHz	15kHz	426000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.80	20.00
n66	40MHz	15kHz	426000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.11	21.00
n66	40MHz	15kHz	426000	24	CP-OFDM QPSK^Inner_Full:PC3	20.04	21.00
n66	40MHz	15kHz	426000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.53	20.00
n66	40MHz	15kHz	426000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.79	20.00
n66	40MHz	15kHz	426000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.57	20.00
n66	40MHz	15kHz	426000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.07	19.00
n66	40MHz	15kHz	426000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.31	19.00
n66	40MHz	15kHz	426000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.08	19.00
n66	40MHz	15kHz	426000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	14.99	15.00
n66	40MHz	15kHz	426000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.24	16.00
n66	40MHz	15kHz	426000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.05	16.00
n66	40MHz	15kHz	429000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.42	22.00
n66	40MHz	15kHz	429000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.76	22.00
n66	40MHz	15kHz	429000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.76	22.00
n66	40MHz	15kHz	429000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.96	21.00
n66	40MHz	15kHz	429000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.27	22.00
n66	40MHz	15kHz	429000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.14	22.00
n66	40MHz	15kHz	429000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.42	22.00
n66	40MHz	15kHz	429000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.72	22.00
n66	40MHz	15kHz	429000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.79	22.00
n66	40MHz	15kHz	429000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.47	21.00
n66	40MHz	15kHz	429000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.77	21.00
n66	40MHz	15kHz	429000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.65	21.00
n66	40MHz	15kHz	429000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.58	21.00
n66	40MHz	15kHz	429000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.92	21.00
n66	40MHz	15kHz	429000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.81	21.00
n66	40MHz	15kHz	429000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.18	20.00
n66	40MHz	15kHz	429000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.51	20.00
n66	40MHz	15kHz	429000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.28	20.00
n66	40MHz	15kHz	429000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.87	17.00
n66	40MHz	15kHz	429000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.23	18.00
n66	40MHz	15kHz	429000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.24	18.00
n66	40MHz	15kHz	429000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.98	20.00
n66	40MHz	15kHz	429000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.23	21.00
n66	40MHz	15kHz	429000	24	CP-OFDM QPSK^Inner_Full:PC3	20.24	21.00
n66	40MHz	15kHz	429000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.55	20.00
n66	40MHz	15kHz	429000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.85	20.00
n66	40MHz	15kHz	429000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.72	20.00
n66	40MHz	15kHz	429000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.02	19.00
n66	40MHz	15kHz	429000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.33	19.00
n66	40MHz	15kHz	429000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.29	19.00
n66	40MHz	15kHz	429000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.08	16.00
n66	40MHz	15kHz	429000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.30	16.00
n66	40MHz	15kHz	429000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.19	16.00
n66	40MHz	15kHz	432000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	21.35	22.00
n66	40MHz	15kHz	432000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	21.55	22.00
n66	40MHz	15kHz	432000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	21.65	22.00
n66	40MHz	15kHz	432000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	20.86	21.00
n66	40MHz	15kHz	432000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	21.09	22.00
n66	40MHz	15kHz	432000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	21.11	22.00
n66	40MHz	15kHz	432000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	21.35	22.00
n66	40MHz	15kHz	432000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	21.56	22.00
n66	40MHz	15kHz	432000	9	DFT-s-OFDM QPSK^Inner_Full:PC3	21.69	22.00
n66	40MHz	15kHz	432000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	20.43	21.00
n66	40MHz	15kHz	432000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	20.61	21.00
n66	40MHz	15kHz	432000	12	DFT-s-OFDM QPSK^Outer_Full:PC3	20.65	21.00
n66	40MHz	15kHz	432000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	20.49	21.00
n66	40MHz	15kHz	432000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	20.77	21.00
n66	40MHz	15kHz	432000	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	20.71	21.00
n66	40MHz	15kHz	432000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	19.08	20.00
n66	40MHz	15kHz	432000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	19.20	20.00
n66	40MHz	15kHz	432000	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	19.20	20.00
n66	40MHz	15kHz	432000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	16.86	17.00
n66	40MHz	15kHz	432000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	17.09	18.00
n66	40MHz	15kHz	432000	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	17.23	18.00
n66	40MHz	15kHz	432000	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	19.79	20.00
n66	40MHz	15kHz	432000	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	19.94	20.00
n66	40MHz	15kHz	432000	24	CP-OFDM QPSK^Inner_Full:PC3	20.21	21.00
n66	40MHz	15kHz	432000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	19.53	20.00

n66	40MHz	15kHz	432000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	19.70	20.00
n66	40MHz	15kHz	432000	27	CP-OFDM 16QAM^Inner_Full:PC3	19.73	20.00
n66	40MHz	15kHz	432000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	18.04	19.00
n66	40MHz	15kHz	432000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	18.16	19.00
n66	40MHz	15kHz	432000	30	CP-OFDM 64QAM^Inner_Full:PC3	18.21	19.00
n66	40MHz	15kHz	432000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	15.03	16.00
n66	40MHz	15kHz	432000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	15.22	16.00
n66	40MHz	15kHz	432000	33	CP-OFDM 256QAM^Inner_Full:PC3	15.21	16.00

7.1.28. Conducted Power Measurement Results(5G NR Band 71)

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	Tune Up (dBm)
n71	5MHz	15kHz	123900	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.68	23.00
n71	5MHz	15kHz	123900	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.71	23.00
n71	5MHz	15kHz	123900	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.78	23.00
n71	5MHz	15kHz	123900	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.13	23.00
n71	5MHz	15kHz	123900	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.19	23.00
n71	5MHz	15kHz	123900	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.29	23.00
n71	5MHz	15kHz	123900	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.59	23.00
n71	5MHz	15kHz	123900	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.64	23.00
n71	5MHz	15kHz	123900	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.82	23.00
n71	5MHz	15kHz	123900	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.64	22.00
n71	5MHz	15kHz	123900	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.68	22.00
n71	5MHz	15kHz	123900	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.79	22.00
n71	5MHz	15kHz	123900	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.86	22.00
n71	5MHz	15kHz	123900	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.81	22.00
n71	5MHz	15kHz	123900	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.75	22.00
n71	5MHz	15kHz	123900	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.50	21.00
n71	5MHz	15kHz	123900	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.38	21.00
n71	5MHz	15kHz	123900	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.36	21.00
n71	5MHz	15kHz	123900	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.19	19.00
n71	5MHz	15kHz	123900	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.10	19.00
n71	5MHz	15kHz	123900	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.34	19.00
n71	5MHz	15kHz	123900	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.11	22.00
n71	5MHz	15kHz	123900	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	20.97	21.00
n71	5MHz	15kHz	123900	24	CP-OFDM QPSK^Inner_Full:PC3	21.22	22.00
n71	5MHz	15kHz	123900	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.80	21.00
n71	5MHz	15kHz	123900	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.77	21.00
n71	5MHz	15kHz	123900	27	CP-OFDM 16QAM^Inner_Full:PC3	20.71	21.00
n71	5MHz	15kHz	123900	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.32	20.00
n71	5MHz	15kHz	123900	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.23	20.00
n71	5MHz	15kHz	123900	30	CP-OFDM 64QAM^Inner_Full:PC3	19.24	20.00
n71	5MHz	15kHz	123900	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.41	17.00
n71	5MHz	15kHz	123900	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.30	17.00
n71	5MHz	15kHz	123900	33	CP-OFDM 256QAM^Inner_Full:PC3	16.19	17.00
n71	5MHz	15kHz	126900	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.81	23.00
n71	5MHz	15kHz	126900	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.71	23.00
n71	5MHz	15kHz	126900	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.92	23.00
n71	5MHz	15kHz	126900	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.32	23.00
n71	5MHz	15kHz	126900	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.20	23.00
n71	5MHz	15kHz	126900	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.44	23.00
n71	5MHz	15kHz	126900	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.79	23.00
n71	5MHz	15kHz	126900	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.74	23.00
n71	5MHz	15kHz	126900	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.93	23.00
n71	5MHz	15kHz	126900	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.84	22.00
n71	5MHz	15kHz	126900	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.73	22.00
n71	5MHz	15kHz	126900	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.92	22.00
n71	5MHz	15kHz	126900	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.87	22.00
n71	5MHz	15kHz	126900	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.78	22.00
n71	5MHz	15kHz	126900	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.88	22.00
n71	5MHz	15kHz	126900	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.41	21.00
n71	5MHz	15kHz	126900	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.47	21.00
n71	5MHz	15kHz	126900	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.42	21.00
n71	5MHz	15kHz	126900	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.16	19.00
n71	5MHz	15kHz	126900	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.08	19.00
n71	5MHz	15kHz	126900	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.42	19.00
n71	5MHz	15kHz	126900	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.16	22.00
n71	5MHz	15kHz	126900	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.09	22.00
n71	5MHz	15kHz	126900	24	CP-OFDM QPSK^Inner_Full:PC3	21.36	22.00
n71	5MHz	15kHz	126900	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.93	21.00
n71	5MHz	15kHz	126900	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.81	21.00
n71	5MHz	15kHz	126900	27	CP-OFDM 16QAM^Inner_Full:PC3	20.82	21.00
n71	5MHz	15kHz	126900	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.37	20.00
n71	5MHz	15kHz	126900	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.16	20.00
n71	5MHz	15kHz	126900	30	CP-OFDM 64QAM^Inner_Full:PC3	19.36	20.00
n71	5MHz	15kHz	126900	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.43	17.00
n71	5MHz	15kHz	126900	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.40	17.00
n71	5MHz	15kHz	126900	33	CP-OFDM 256QAM^Inner_Full:PC3	16.32	17.00
n71	5MHz	15kHz	129900	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.73	23.00
n71	5MHz	15kHz	129900	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.74	23.00
n71	5MHz	15kHz	129900	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.86	23.00

n71	5MHz	15kHz	129900	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.21	23.00
n71	5MHz	15kHz	129900	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.24	23.00
n71	5MHz	15kHz	129900	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.33	23.00
n71	5MHz	15kHz	129900	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.69	23.00
n71	5MHz	15kHz	129900	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.65	23.00
n71	5MHz	15kHz	129900	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.89	23.00
n71	5MHz	15kHz	129900	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.68	22.00
n71	5MHz	15kHz	129900	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.72	22.00
n71	5MHz	15kHz	129900	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.82	22.00
n71	5MHz	15kHz	129900	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.88	22.00
n71	5MHz	15kHz	129900	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.87	22.00
n71	5MHz	15kHz	129900	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.82	22.00
n71	5MHz	15kHz	129900	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.39	21.00
n71	5MHz	15kHz	129900	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.40	21.00
n71	5MHz	15kHz	129900	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.40	21.00
n71	5MHz	15kHz	129900	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.19	19.00
n71	5MHz	15kHz	129900	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.19	19.00
n71	5MHz	15kHz	129900	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.35	19.00
n71	5MHz	15kHz	129900	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.11	22.00
n71	5MHz	15kHz	129900	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.13	22.00
n71	5MHz	15kHz	129900	24	CP-OFDM QPSK^Inner_Full:PC3	21.34	22.00
n71	5MHz	15kHz	129900	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.84	21.00
n71	5MHz	15kHz	129900	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.81	21.00
n71	5MHz	15kHz	129900	27	CP-OFDM 16QAM^Inner_Full:PC3	20.86	21.00
n71	5MHz	15kHz	129900	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.32	20.00
n71	5MHz	15kHz	129900	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.31	20.00
n71	5MHz	15kHz	129900	30	CP-OFDM 64QAM^Inner_Full:PC3	19.39	20.00
n71	5MHz	15kHz	129900	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.39	17.00
n71	5MHz	15kHz	129900	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.42	17.00
n71	5MHz	15kHz	129900	33	CP-OFDM 256QAM^Inner_Full:PC3	16.26	17.00
n71	10MHz	15kHz	124400	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.60	23.00
n71	10MHz	15kHz	124400	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.76	23.00
n71	10MHz	15kHz	124400	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.72	23.00
n71	10MHz	15kHz	124400	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.07	23.00
n71	10MHz	15kHz	124400	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.27	23.00
n71	10MHz	15kHz	124400	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.23	23.00
n71	10MHz	15kHz	124400	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.51	23.00
n71	10MHz	15kHz	124400	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.73	23.00
n71	10MHz	15kHz	124400	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.70	23.00
n71	10MHz	15kHz	124400	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.60	22.00
n71	10MHz	15kHz	124400	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.74	22.00
n71	10MHz	15kHz	124400	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.71	22.00
n71	10MHz	15kHz	124400	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.74	22.00
n71	10MHz	15kHz	124400	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.87	22.00
n71	10MHz	15kHz	124400	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.75	22.00
n71	10MHz	15kHz	124400	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.32	21.00
n71	10MHz	15kHz	124400	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.41	21.00
n71	10MHz	15kHz	124400	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.27	21.00
n71	10MHz	15kHz	124400	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.05	19.00
n71	10MHz	15kHz	124400	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.11	19.00
n71	10MHz	15kHz	124400	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.16	19.00
n71	10MHz	15kHz	124400	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.07	22.00
n71	10MHz	15kHz	124400	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.12	22.00
n71	10MHz	15kHz	124400	24	CP-OFDM QPSK^Inner_Full:PC3	21.20	22.00
n71	10MHz	15kHz	124400	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.75	21.00
n71	10MHz	15kHz	124400	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.88	21.00
n71	10MHz	15kHz	124400	27	CP-OFDM 16QAM^Inner_Full:PC3	20.72	21.00
n71	10MHz	15kHz	124400	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.25	20.00
n71	10MHz	15kHz	124400	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.36	20.00
n71	10MHz	15kHz	124400	30	CP-OFDM 64QAM^Inner_Full:PC3	19.24	20.00
n71	10MHz	15kHz	124400	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.35	17.00
n71	10MHz	15kHz	124400	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.47	17.00
n71	10MHz	15kHz	124400	33	CP-OFDM 256QAM^Inner_Full:PC3	16.22	17.00
n71	10MHz	15kHz	126900	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.80	23.00
n71	10MHz	15kHz	126900	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.74	23.00
n71	10MHz	15kHz	126900	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.85	23.00
n71	10MHz	15kHz	126900	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.31	23.00
n71	10MHz	15kHz	126900	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.18	23.00
n71	10MHz	15kHz	126900	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.33	23.00
n71	10MHz	15kHz	126900	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.80	23.00
n71	10MHz	15kHz	126900	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.69	23.00
n71	10MHz	15kHz	126900	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.89	23.00
n71	10MHz	15kHz	126900	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.78	22.00

n71	10MHz	15kHz	126900	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.71	22.00
n71	10MHz	15kHz	126900	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.85	22.00
n71	10MHz	15kHz	126900	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.94	22.00
n71	10MHz	15kHz	126900	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.89	22.00
n71	10MHz	15kHz	126900	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.88	22.00
n71	10MHz	15kHz	126900	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.54	21.00
n71	10MHz	15kHz	126900	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.23	21.00
n71	10MHz	15kHz	126900	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.41	21.00
n71	10MHz	15kHz	126900	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.15	19.00
n71	10MHz	15kHz	126900	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.13	19.00
n71	10MHz	15kHz	126900	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.27	19.00
n71	10MHz	15kHz	126900	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.15	22.00
n71	10MHz	15kHz	126900	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.12	22.00
n71	10MHz	15kHz	126900	24	CP-OFDM QPSK^Inner_Full:PC3	21.35	22.00
n71	10MHz	15kHz	126900	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.90	21.00
n71	10MHz	15kHz	126900	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.87	21.00
n71	10MHz	15kHz	126900	27	CP-OFDM 16QAM^Inner_Full:PC3	20.86	21.00
n71	10MHz	15kHz	126900	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.39	20.00
n71	10MHz	15kHz	126900	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.33	20.00
n71	10MHz	15kHz	126900	30	CP-OFDM 64QAM^Inner_Full:PC3	19.38	20.00
n71	10MHz	15kHz	126900	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.44	17.00
n71	10MHz	15kHz	126900	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.45	17.00
n71	10MHz	15kHz	126900	33	CP-OFDM 256QAM^Inner_Full:PC3	16.33	17.00
n71	10MHz	15kHz	129400	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.72	23.00
n71	10MHz	15kHz	129400	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.66	23.00
n71	10MHz	15kHz	129400	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.75	23.00
n71	10MHz	15kHz	129400	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.23	23.00
n71	10MHz	15kHz	129400	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.17	23.00
n71	10MHz	15kHz	129400	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.29	23.00
n71	10MHz	15kHz	129400	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.71	23.00
n71	10MHz	15kHz	129400	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.64	23.00
n71	10MHz	15kHz	129400	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.74	23.00
n71	10MHz	15kHz	129400	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.74	22.00
n71	10MHz	15kHz	129400	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.68	22.00
n71	10MHz	15kHz	129400	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.79	22.00
n71	10MHz	15kHz	129400	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.86	22.00
n71	10MHz	15kHz	129400	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.83	22.00
n71	10MHz	15kHz	129400	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.80	22.00
n71	10MHz	15kHz	129400	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.23	21.00
n71	10MHz	15kHz	129400	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.42	21.00
n71	10MHz	15kHz	129400	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.31	21.00
n71	10MHz	15kHz	129400	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.09	19.00
n71	10MHz	15kHz	129400	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.13	19.00
n71	10MHz	15kHz	129400	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.18	19.00
n71	10MHz	15kHz	129400	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.13	22.00
n71	10MHz	15kHz	129400	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.24	22.00
n71	10MHz	15kHz	129400	24	CP-OFDM QPSK^Inner_Full:PC3	21.23	22.00
n71	10MHz	15kHz	129400	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.89	21.00
n71	10MHz	15kHz	129400	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.77	21.00
n71	10MHz	15kHz	129400	27	CP-OFDM 16QAM^Inner_Full:PC3	20.73	21.00
n71	10MHz	15kHz	129400	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.30	20.00
n71	10MHz	15kHz	129400	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.16	20.00
n71	10MHz	15kHz	129400	30	CP-OFDM 64QAM^Inner_Full:PC3	19.26	20.00
n71	10MHz	15kHz	129400	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.38	17.00
n71	10MHz	15kHz	129400	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.39	17.00
n71	10MHz	15kHz	129400	33	CP-OFDM 256QAM^Inner_Full:PC3	16.22	17.00
n71	15MHz	15kHz	124900	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.59	23.00
n71	15MHz	15kHz	124900	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.86	23.00
n71	15MHz	15kHz	124900	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.76	23.00
n71	15MHz	15kHz	124900	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.13	23.00
n71	15MHz	15kHz	124900	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.34	23.00
n71	15MHz	15kHz	124900	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.32	23.00
n71	15MHz	15kHz	124900	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.53	23.00
n71	15MHz	15kHz	124900	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.79	23.00
n71	15MHz	15kHz	124900	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.82	23.00
n71	15MHz	15kHz	124900	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.57	22.00
n71	15MHz	15kHz	124900	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.85	22.00
n71	15MHz	15kHz	124900	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.77	22.00
n71	15MHz	15kHz	124900	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.77	22.00
n71	15MHz	15kHz	124900	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.95	22.00
n71	15MHz	15kHz	124900	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.81	22.00
n71	15MHz	15kHz	124900	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.43	21.00
n71	15MHz	15kHz	124900	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.50	21.00

n71	15MHz	15kHz	124900	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.31	21.00
n71	15MHz	15kHz	124900	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.12	19.00
n71	15MHz	15kHz	124900	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.26	19.00
n71	15MHz	15kHz	124900	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.24	19.00
n71	15MHz	15kHz	124900	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.02	22.00
n71	15MHz	15kHz	124900	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.18	22.00
n71	15MHz	15kHz	124900	24	CP-OFDM QPSK^Inner_Full:PC3	21.32	22.00
n71	15MHz	15kHz	124900	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.77	21.00
n71	15MHz	15kHz	124900	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.88	21.00
n71	15MHz	15kHz	124900	27	CP-OFDM 16QAM^Inner_Full:PC3	20.79	21.00
n71	15MHz	15kHz	124900	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.35	20.00
n71	15MHz	15kHz	124900	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.49	20.00
n71	15MHz	15kHz	124900	30	CP-OFDM 64QAM^Inner_Full:PC3	19.34	20.00
n71	15MHz	15kHz	124900	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.36	17.00
n71	15MHz	15kHz	124900	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.45	17.00
n71	15MHz	15kHz	124900	33	CP-OFDM 256QAM^Inner_Full:PC3	16.29	17.00
n71	15MHz	15kHz	126900	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.77	23.00
n71	15MHz	15kHz	126900	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.78	23.00
n71	15MHz	15kHz	126900	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.89	23.00
n71	15MHz	15kHz	126900	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.28	23.00
n71	15MHz	15kHz	126900	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.26	23.00
n71	15MHz	15kHz	126900	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.32	23.00
n71	15MHz	15kHz	126900	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.72	23.00
n71	15MHz	15kHz	126900	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.72	23.00
n71	15MHz	15kHz	126900	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.92	23.00
n71	15MHz	15kHz	126900	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.78	22.00
n71	15MHz	15kHz	126900	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.74	22.00
n71	15MHz	15kHz	126900	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.84	22.00
n71	15MHz	15kHz	126900	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.89	22.00
n71	15MHz	15kHz	126900	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.92	22.00
n71	15MHz	15kHz	126900	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.91	22.00
n71	15MHz	15kHz	126900	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.51	21.00
n71	15MHz	15kHz	126900	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.50	21.00
n71	15MHz	15kHz	126900	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.42	21.00
n71	15MHz	15kHz	126900	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.17	19.00
n71	15MHz	15kHz	126900	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.19	19.00
n71	15MHz	15kHz	126900	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.34	19.00
n71	15MHz	15kHz	126900	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.14	22.00
n71	15MHz	15kHz	126900	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.23	22.00
n71	15MHz	15kHz	126900	24	CP-OFDM QPSK^Inner_Full:PC3	21.36	22.00
n71	15MHz	15kHz	126900	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.89	21.00
n71	15MHz	15kHz	126900	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.93	21.00
n71	15MHz	15kHz	126900	27	CP-OFDM 16QAM^Inner_Full:PC3	20.90	21.00
n71	15MHz	15kHz	126900	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.34	20.00
n71	15MHz	15kHz	126900	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.36	20.00
n71	15MHz	15kHz	126900	30	CP-OFDM 64QAM^Inner_Full:PC3	19.40	20.00
n71	15MHz	15kHz	126900	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.50	17.00
n71	15MHz	15kHz	126900	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.45	17.00
n71	15MHz	15kHz	126900	33	CP-OFDM 256QAM^Inner_Full:PC3	16.34	17.00
n71	15MHz	15kHz	128900	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.72	23.00
n71	15MHz	15kHz	128900	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.71	23.00
n71	15MHz	15kHz	128900	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.85	23.00
n71	15MHz	15kHz	128900	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.24	23.00
n71	15MHz	15kHz	128900	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.20	23.00
n71	15MHz	15kHz	128900	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.37	23.00
n71	15MHz	15kHz	128900	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.70	23.00
n71	15MHz	15kHz	128900	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.61	23.00
n71	15MHz	15kHz	128900	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.84	23.00
n71	15MHz	15kHz	128900	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.72	22.00
n71	15MHz	15kHz	128900	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.68	22.00
n71	15MHz	15kHz	128900	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.85	22.00
n71	15MHz	15kHz	128900	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.91	22.00
n71	15MHz	15kHz	128900	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.90	22.00
n71	15MHz	15kHz	128900	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.87	22.00
n71	15MHz	15kHz	128900	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.42	21.00
n71	15MHz	15kHz	128900	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.36	21.00
n71	15MHz	15kHz	128900	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.37	21.00
n71	15MHz	15kHz	128900	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.16	19.00
n71	15MHz	15kHz	128900	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.13	19.00
n71	15MHz	15kHz	128900	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.28	19.00
n71	15MHz	15kHz	128900	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.29	22.00
n71	15MHz	15kHz	128900	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.26	22.00
n71	15MHz	15kHz	128900	24	CP-OFDM QPSK^Inner_Full:PC3	21.34	22.00

n71	15MHz	15kHz	128900	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.91	21.00
n71	15MHz	15kHz	128900	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.90	21.00
n71	15MHz	15kHz	128900	27	CP-OFDM 16QAM^Inner_Full:PC3	20.85	21.00
n71	15MHz	15kHz	128900	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.32	20.00
n71	15MHz	15kHz	128900	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.32	20.00
n71	15MHz	15kHz	128900	30	CP-OFDM 64QAM^Inner_Full:PC3	19.36	20.00
n71	15MHz	15kHz	128900	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.42	17.00
n71	15MHz	15kHz	128900	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.44	17.00
n71	15MHz	15kHz	128900	33	CP-OFDM 256QAM^Inner_Full:PC3	16.30	17.00
n71	20MHz	15kHz	125400	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.58	23.00
n71	20MHz	15kHz	125400	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.78	23.00
n71	20MHz	15kHz	125400	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.82	23.00
n71	20MHz	15kHz	125400	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.11	23.00
n71	20MHz	15kHz	125400	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.28	23.00
n71	20MHz	15kHz	125400	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.25	23.00
n71	20MHz	15kHz	125400	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.57	23.00
n71	20MHz	15kHz	125400	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.73	23.00
n71	20MHz	15kHz	125400	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.85	23.00
n71	20MHz	15kHz	125400	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.58	22.00
n71	20MHz	15kHz	125400	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.76	22.00
n71	20MHz	15kHz	125400	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.76	22.00
n71	20MHz	15kHz	125400	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.76	22.00
n71	20MHz	15kHz	125400	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.87	22.00
n71	20MHz	15kHz	125400	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.85	22.00
n71	20MHz	15kHz	125400	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.42	21.00
n71	20MHz	15kHz	125400	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.53	21.00
n71	20MHz	15kHz	125400	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.33	21.00
n71	20MHz	15kHz	125400	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.16	19.00
n71	20MHz	15kHz	125400	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.23	19.00
n71	20MHz	15kHz	125400	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.26	19.00
n71	20MHz	15kHz	125400	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.07	22.00
n71	20MHz	15kHz	125400	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.10	22.00
n71	20MHz	15kHz	125400	24	CP-OFDM QPSK^Inner_Full:PC3	21.38	22.00
n71	20MHz	15kHz	125400	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.75	21.00
n71	20MHz	15kHz	125400	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.87	21.00
n71	20MHz	15kHz	125400	27	CP-OFDM 16QAM^Inner_Full:PC3	20.87	21.00
n71	20MHz	15kHz	125400	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.25	20.00
n71	20MHz	15kHz	125400	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.35	20.00
n71	20MHz	15kHz	125400	30	CP-OFDM 64QAM^Inner_Full:PC3	19.34	20.00
n71	20MHz	15kHz	125400	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.42	17.00
n71	20MHz	15kHz	125400	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.47	17.00
n71	20MHz	15kHz	125400	33	CP-OFDM 256QAM^Inner_Full:PC3	16.33	17.00
n71	20MHz	15kHz	126900	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.72	23.00
n71	20MHz	15kHz	126900	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.72	23.00
n71	20MHz	15kHz	126900	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.81	23.00
n71	20MHz	15kHz	126900	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.26	23.00
n71	20MHz	15kHz	126900	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.25	23.00
n71	20MHz	15kHz	126900	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.21	23.00
n71	20MHz	15kHz	126900	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.66	23.00
n71	20MHz	15kHz	126900	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.73	23.00
n71	20MHz	15kHz	126900	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.82	23.00
n71	20MHz	15kHz	126900	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.70	22.00
n71	20MHz	15kHz	126900	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.72	22.00
n71	20MHz	15kHz	126900	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.75	22.00
n71	20MHz	15kHz	126900	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.81	22.00
n71	20MHz	15kHz	126900	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.88	22.00
n71	20MHz	15kHz	126900	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.83	22.00
n71	20MHz	15kHz	126900	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.36	21.00
n71	20MHz	15kHz	126900	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.47	21.00
n71	20MHz	15kHz	126900	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.32	21.00
n71	20MHz	15kHz	126900	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.12	19.00
n71	20MHz	15kHz	126900	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.11	19.00
n71	20MHz	15kHz	126900	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.27	19.00
n71	20MHz	15kHz	126900	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.15	22.00
n71	20MHz	15kHz	126900	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.15	22.00
n71	20MHz	15kHz	126900	24	CP-OFDM QPSK^Inner_Full:PC3	21.32	22.00
n71	20MHz	15kHz	126900	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.81	21.00
n71	20MHz	15kHz	126900	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.92	21.00
n71	20MHz	15kHz	126900	27	CP-OFDM 16QAM^Inner_Full:PC3	20.80	21.00
n71	20MHz	15kHz	126900	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.29	20.00
n71	20MHz	15kHz	126900	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.34	20.00
n71	20MHz	15kHz	126900	30	CP-OFDM 64QAM^Inner_Full:PC3	19.33	20.00
n71	20MHz	15kHz	126900	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.39	17.00

n71	20MHz	15kHz	126900	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.51	17.00
n71	20MHz	15kHz	126900	33	CP-OFDM 256QAM^Inner_Full:PC3	16.25	17.00
n71	20MHz	15kHz	128400	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC3	22.84	23.00
n71	20MHz	15kHz	128400	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC3	22.71	23.00
n71	20MHz	15kHz	128400	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC3	22.86	23.00
n71	20MHz	15kHz	128400	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC3	22.35	23.00
n71	20MHz	15kHz	128400	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC3	22.20	23.00
n71	20MHz	15kHz	128400	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC3	22.44	23.00
n71	20MHz	15kHz	128400	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC3	22.84	23.00
n71	20MHz	15kHz	128400	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC3	22.69	23.00
n71	20MHz	15kHz	128400	9	DFT-s-OFDM QPSK^Inner_Full:PC3	22.83	23.00
n71	20MHz	15kHz	128400	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC3	21.87	22.00
n71	20MHz	15kHz	128400	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC3	21.67	22.00
n71	20MHz	15kHz	128400	12	DFT-s-OFDM QPSK^Outer_Full:PC3	21.92	22.00
n71	20MHz	15kHz	128400	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC3	21.91	22.00
n71	20MHz	15kHz	128400	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC3	21.82	22.00
n71	20MHz	15kHz	128400	15	DFT-s-OFDM 16QAM^Inner_Full:PC3	21.91	22.00
n71	20MHz	15kHz	128400	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC3	20.47	21.00
n71	20MHz	15kHz	128400	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC3	20.48	21.00
n71	20MHz	15kHz	128400	18	DFT-s-OFDM 64QAM^Inner_Full:PC3	20.37	21.00
n71	20MHz	15kHz	128400	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC3	18.25	19.00
n71	20MHz	15kHz	128400	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC3	18.13	19.00
n71	20MHz	15kHz	128400	21	DFT-s-OFDM 256QAM^Inner_Full:PC3	18.29	19.00
n71	20MHz	15kHz	128400	22	CP-OFDM QPSK^Inner_1RB_Left:PC3	21.19	22.00
n71	20MHz	15kHz	128400	23	CP-OFDM QPSK^Inner_1RB_Right:PC3	21.16	22.00
n71	20MHz	15kHz	128400	24	CP-OFDM QPSK^Inner_Full:PC3	21.35	22.00
n71	20MHz	15kHz	128400	25	CP-OFDM 16QAM^Inner_1RB_Left:PC3	20.94	21.00
n71	20MHz	15kHz	128400	26	CP-OFDM 16QAM^Inner_1RB_Right:PC3	20.83	21.00
n71	20MHz	15kHz	128400	27	CP-OFDM 16QAM^Inner_Full:PC3	20.86	21.00
n71	20MHz	15kHz	128400	28	CP-OFDM 64QAM^Inner_1RB_Left:PC3	19.31	20.00
n71	20MHz	15kHz	128400	29	CP-OFDM 64QAM^Inner_1RB_Right:PC3	19.28	20.00
n71	20MHz	15kHz	128400	30	CP-OFDM 64QAM^Inner_Full:PC3	19.40	20.00
n71	20MHz	15kHz	128400	31	CP-OFDM 256QAM^Inner_1RB_Left:PC3	16.50	17.00
n71	20MHz	15kHz	128400	32	CP-OFDM 256QAM^Inner_1RB_Right:PC3	16.45	17.00
n71	20MHz	15kHz	128400	33	CP-OFDM 256QAM^Inner_Full:PC3	16.29	17.00

7.1.29. Conducted Power Measurement Results(5G NR Band 77 3450M-3550MHz)

Band	Bandwidth	SCS	Channel	TestConfig	Value	Tune Up (dBm)
n77	20MHz	30kHz	630668	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.07	25.00
n77	20MHz	30kHz	630668	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.03	25.00
n77	20MHz	30kHz	630668	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.19	25.00
n77	20MHz	30kHz	630668	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.65	21.00
n77	20MHz	30kHz	630668	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.65	21.00
n77	20MHz	30kHz	630668	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.74	24.00
n77	20MHz	30kHz	630668	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	23.98	24.00
n77	20MHz	30kHz	630668	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.00	25.00
n77	20MHz	30kHz	630668	DFT-s-OFDM QPSK^Inner_Full:PC2	24.17	25.00
n77	20MHz	30kHz	630668	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.67	21.00
n77	20MHz	30kHz	630668	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.71	21.00
n77	20MHz	30kHz	630668	DFT-s-OFDM QPSK^Outer_Full:PC2	23.20	24.00
n77	20MHz	30kHz	630668	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.08	24.00
n77	20MHz	30kHz	630668	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.87	23.00
n77	20MHz	30kHz	630668	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.11	24.00
n77	20MHz	30kHz	630668	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.98	22.00
n77	20MHz	30kHz	630668	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.91	22.00
n77	20MHz	30kHz	630668	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.73	22.00
n77	20MHz	30kHz	630668	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.68	20.00
n77	20MHz	30kHz	630668	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.72	20.00
n77	20MHz	30kHz	630668	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.72	20.00
n77	20MHz	30kHz	630668	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.39	23.00
n77	20MHz	30kHz	630668	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.49	23.00
n77	20MHz	30kHz	630668	CP-OFDM QPSK^Inner_Full:PC2	22.67	23.00
n77	20MHz	30kHz	630668	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.00	23.00
n77	20MHz	30kHz	630668	CP-OFDM 16QAM^Inner_1RB_Right:PC2	21.97	22.00
n77	20MHz	30kHz	630668	CP-OFDM 16QAM^Inner_Full:PC2	22.22	23.00
n77	20MHz	30kHz	630668	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.83	21.00
n77	20MHz	30kHz	630668	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.94	21.00
n77	20MHz	30kHz	630668	CP-OFDM 64QAM^Inner_Full:PC2	20.78	21.00
n77	20MHz	30kHz	630668	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.77	18.00
n77	20MHz	30kHz	630668	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.81	18.00
n77	20MHz	30kHz	630668	CP-OFDM 256QAM^Inner_Full:PC2	17.78	18.00
n77	20MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	23.98	24.00
n77	20MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	23.97	24.00
n77	20MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.09	25.00
n77	20MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.75	21.00
n77	20MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.63	21.00
n77	20MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.65	24.00
n77	20MHz	30kHz	633332	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.05	25.00
n77	20MHz	30kHz	633332	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	23.96	24.00
n77	20MHz	30kHz	633332	DFT-s-OFDM QPSK^Inner_Full:PC2	24.17	25.00
n77	20MHz	30kHz	633332	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.72	21.00
n77	20MHz	30kHz	633332	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.67	21.00
n77	20MHz	30kHz	633332	DFT-s-OFDM QPSK^Outer_Full:PC2	23.15	24.00
n77	20MHz	30kHz	633332	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.02	24.00
n77	20MHz	30kHz	633332	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.98	23.00
n77	20MHz	30kHz	633332	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.14	24.00
n77	20MHz	30kHz	633332	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.81	22.00
n77	20MHz	30kHz	633332	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.71	22.00
n77	20MHz	30kHz	633332	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.74	22.00
n77	20MHz	30kHz	633332	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.68	20.00
n77	20MHz	30kHz	633332	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.64	20.00
n77	20MHz	30kHz	633332	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.75	20.00
n77	20MHz	30kHz	633332	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.36	23.00
n77	20MHz	30kHz	633332	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.41	23.00
n77	20MHz	30kHz	633332	CP-OFDM QPSK^Inner_Full:PC2	22.58	23.00
n77	20MHz	30kHz	633332	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.07	23.00
n77	20MHz	30kHz	633332	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.03	23.00
n77	20MHz	30kHz	633332	CP-OFDM 16QAM^Inner_Full:PC2	22.13	23.00
n77	20MHz	30kHz	633332	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.79	21.00
n77	20MHz	30kHz	633332	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.74	21.00
n77	20MHz	30kHz	633332	CP-OFDM 64QAM^Inner_Full:PC2	20.81	21.00
n77	20MHz	30kHz	633332	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.78	18.00
n77	20MHz	30kHz	633332	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.78	18.00
n77	20MHz	30kHz	633332	CP-OFDM 256QAM^Inner_Full:PC2	17.84	18.00
n77	20MHz	30kHz	636000	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.08	25.00
n77	20MHz	30kHz	636000	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.09	25.00
n77	20MHz	30kHz	636000	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.25	25.00

n77	20MHz	30kHz	636000	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.82	21.00
n77	20MHz	30kHz	636000	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.81	21.00
n77	20MHz	30kHz	636000	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.73	24.00
n77	20MHz	30kHz	636000	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.02	25.00
n77	20MHz	30kHz	636000	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.02	25.00
n77	20MHz	30kHz	636000	DFT-s-OFDM QPSK^Inner_Full:PC2	24.27	25.00
n77	20MHz	30kHz	636000	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.80	21.00
n77	20MHz	30kHz	636000	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.81	21.00
n77	20MHz	30kHz	636000	DFT-s-OFDM QPSK^Outer_Full:PC2	23.22	24.00
n77	20MHz	30kHz	636000	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.11	24.00
n77	20MHz	30kHz	636000	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	23.03	24.00
n77	20MHz	30kHz	636000	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.17	24.00
n77	20MHz	30kHz	636000	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.80	22.00
n77	20MHz	30kHz	636000	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.91	22.00
n77	20MHz	30kHz	636000	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.76	22.00
n77	20MHz	30kHz	636000	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.84	20.00
n77	20MHz	30kHz	636000	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.81	20.00
n77	20MHz	30kHz	636000	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.96	20.00
n77	20MHz	30kHz	636000	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.40	23.00
n77	20MHz	30kHz	636000	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.48	23.00
n77	20MHz	30kHz	636000	CP-OFDM QPSK^Inner_Full:PC2	22.77	23.00
n77	20MHz	30kHz	636000	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.11	23.00
n77	20MHz	30kHz	636000	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.05	23.00
n77	20MHz	30kHz	636000	CP-OFDM 16QAM^Inner_Full:PC2	22.23	23.00
n77	20MHz	30kHz	636000	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.92	21.00
n77	20MHz	30kHz	636000	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.90	21.00
n77	20MHz	30kHz	636000	CP-OFDM 64QAM^Inner_Full:PC2	20.98	21.00
n77	20MHz	30kHz	636000	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.90	18.00
n77	20MHz	30kHz	636000	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.93	18.00
n77	20MHz	30kHz	636000	CP-OFDM 256QAM^Inner_Full:PC2	17.99	18.00
n77	50MHz	30kHz	631668	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.07	25.00
n77	50MHz	30kHz	631668	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	23.98	24.00
n77	50MHz	30kHz	631668	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.20	25.00
n77	50MHz	30kHz	631668	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.84	21.00
n77	50MHz	30kHz	631668	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.71	21.00
n77	50MHz	30kHz	631668	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.78	24.00
n77	50MHz	30kHz	631668	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.12	25.00
n77	50MHz	30kHz	631668	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	23.99	24.00
n77	50MHz	30kHz	631668	DFT-s-OFDM QPSK^Inner_Full:PC2	24.21	25.00
n77	50MHz	30kHz	631668	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.84	21.00
n77	50MHz	30kHz	631668	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.75	21.00
n77	50MHz	30kHz	631668	DFT-s-OFDM QPSK^Outer_Full:PC2	23.23	24.00
n77	50MHz	30kHz	631668	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.24	24.00
n77	50MHz	30kHz	631668	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	23.08	24.00
n77	50MHz	30kHz	631668	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.16	24.00
n77	50MHz	30kHz	631668	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	22.10	23.00
n77	50MHz	30kHz	631668	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.87	22.00
n77	50MHz	30kHz	631668	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.83	22.00
n77	50MHz	30kHz	631668	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.78	20.00
n77	50MHz	30kHz	631668	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.71	20.00
n77	50MHz	30kHz	631668	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.88	20.00
n77	50MHz	30kHz	631668	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.43	23.00
n77	50MHz	30kHz	631668	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.29	23.00
n77	50MHz	30kHz	631668	CP-OFDM QPSK^Inner_Full:PC2	22.65	23.00
n77	50MHz	30kHz	631668	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.07	23.00
n77	50MHz	30kHz	631668	CP-OFDM 16QAM^Inner_1RB_Right:PC2	21.96	22.00
n77	50MHz	30kHz	631668	CP-OFDM 16QAM^Inner_Full:PC2	22.22	23.00
n77	50MHz	30kHz	631668	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.81	21.00
n77	50MHz	30kHz	631668	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.78	21.00
n77	50MHz	30kHz	631668	CP-OFDM 64QAM^Inner_Full:PC2	20.85	21.00
n77	50MHz	30kHz	631668	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.85	18.00
n77	50MHz	30kHz	631668	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.79	18.00
n77	50MHz	30kHz	631668	CP-OFDM 256QAM^Inner_Full:PC2	17.90	18.00
n77	50MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.10	25.00
n77	50MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	23.98	24.00
n77	50MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.26	25.00
n77	50MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.85	21.00
n77	50MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.78	21.00
n77	50MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.72	24.00
n77	50MHz	30kHz	633332	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.11	25.00
n77	50MHz	30kHz	633332	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	23.99	24.00
n77	50MHz	30kHz	633332	DFT-s-OFDM QPSK^Inner_Full:PC2	24.26	25.00
n77	50MHz	30kHz	633332	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.85	21.00

n77	50MHz	30kHz	633332	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.75	21.00
n77	50MHz	30kHz	633332	DFT-s-OFDM QPSK^Outer_Full:PC2	23.22	24.00
n77	50MHz	30kHz	633332	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.06	24.00
n77	50MHz	30kHz	633332	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.95	23.00
n77	50MHz	30kHz	633332	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.18	24.00
n77	50MHz	30kHz	633332	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	22.14	23.00
n77	50MHz	30kHz	633332	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.84	22.00
n77	50MHz	30kHz	633332	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.87	22.00
n77	50MHz	30kHz	633332	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.81	20.00
n77	50MHz	30kHz	633332	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.73	20.00
n77	50MHz	30kHz	633332	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.93	20.00
n77	50MHz	30kHz	633332	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.45	23.00
n77	50MHz	30kHz	633332	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.30	23.00
n77	50MHz	30kHz	633332	CP-OFDM QPSK^Inner_Full:PC2	22.65	23.00
n77	50MHz	30kHz	633332	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.18	23.00
n77	50MHz	30kHz	633332	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.08	23.00
n77	50MHz	30kHz	633332	CP-OFDM 16QAM^Inner_Full:PC2	22.24	23.00
n77	50MHz	30kHz	633332	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.88	21.00
n77	50MHz	30kHz	633332	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.75	21.00
n77	50MHz	30kHz	633332	CP-OFDM 64QAM^Inner_Full:PC2	20.92	21.00
n77	50MHz	30kHz	633332	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.89	18.00
n77	50MHz	30kHz	633332	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.79	18.00
n77	50MHz	30kHz	633332	CP-OFDM 256QAM^Inner_Full:PC2	17.98	18.00
n77	50MHz	30kHz	635000	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.11	25.00
n77	50MHz	30kHz	635000	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.03	25.00
n77	50MHz	30kHz	635000	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.19	25.00
n77	50MHz	30kHz	635000	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.87	21.00
n77	50MHz	30kHz	635000	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.89	21.00
n77	50MHz	30kHz	635000	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.69	24.00
n77	50MHz	30kHz	635000	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.17	25.00
n77	50MHz	30kHz	635000	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.13	25.00
n77	50MHz	30kHz	635000	DFT-s-OFDM QPSK^Inner_Full:PC2	24.19	25.00
n77	50MHz	30kHz	635000	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.92	21.00
n77	50MHz	30kHz	635000	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.87	21.00
n77	50MHz	30kHz	635000	DFT-s-OFDM QPSK^Outer_Full:PC2	23.24	24.00
n77	50MHz	30kHz	635000	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.21	24.00
n77	50MHz	30kHz	635000	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.97	23.00
n77	50MHz	30kHz	635000	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.14	24.00
n77	50MHz	30kHz	635000	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.87	22.00
n77	50MHz	30kHz	635000	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.90	22.00
n77	50MHz	30kHz	635000	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.77	22.00
n77	50MHz	30kHz	635000	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.88	20.00
n77	50MHz	30kHz	635000	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.85	20.00
n77	50MHz	30kHz	635000	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.93	20.00
n77	50MHz	30kHz	635000	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.53	23.00
n77	50MHz	30kHz	635000	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.53	23.00
n77	50MHz	30kHz	635000	CP-OFDM QPSK^Inner_Full:PC2	22.62	23.00
n77	50MHz	30kHz	635000	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.19	23.00
n77	50MHz	30kHz	635000	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.09	23.00
n77	50MHz	30kHz	635000	CP-OFDM 16QAM^Inner_Full:PC2	22.14	23.00
n77	50MHz	30kHz	635000	CP-OFDM 64QAM^Inner_1RB_Left:PC2	21.04	22.00
n77	50MHz	30kHz	635000	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.98	21.00
n77	50MHz	30kHz	635000	CP-OFDM 64QAM^Inner_Full:PC2	20.91	21.00
n77	50MHz	30kHz	635000	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.92	18.00
n77	50MHz	30kHz	635000	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.92	18.00
n77	50MHz	30kHz	635000	CP-OFDM 256QAM^Inner_Full:PC2	17.98	18.00
n77	100MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.21	25.00
n77	100MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.01	25.00
n77	100MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.27	25.00
n77	100MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.86	21.00
n77	100MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.68	21.00
n77	100MHz	30kHz	633332	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.80	24.00
n77	100MHz	30kHz	633332	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.28	25.00
n77	100MHz	30kHz	633332	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.05	25.00
n77	100MHz	30kHz	633332	DFT-s-OFDM QPSK^Inner_Full:PC2	24.19	25.00
n77	100MHz	30kHz	633332	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.88	21.00
n77	100MHz	30kHz	633332	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.72	21.00
n77	100MHz	30kHz	633332	DFT-s-OFDM QPSK^Outer_Full:PC2	23.25	24.00
n77	100MHz	30kHz	633332	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.16	24.00
n77	100MHz	30kHz	633332	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.92	23.00
n77	100MHz	30kHz	633332	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.20	24.00
n77	100MHz	30kHz	633332	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	22.16	23.00
n77	100MHz	30kHz	633332	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.79	22.00

n77	100MHz	30kHz	633332	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.84	22.00
n77	100MHz	30kHz	633332	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.90	20.00
n77	100MHz	30kHz	633332	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.71	20.00
n77	100MHz	30kHz	633332	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.89	20.00
n77	100MHz	30kHz	633332	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.57	23.00
n77	100MHz	30kHz	633332	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.31	23.00
n77	100MHz	30kHz	633332	CP-OFDM QPSK^Inner_Full:PC2	22.69	23.00
n77	100MHz	30kHz	633332	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.22	23.00
n77	100MHz	30kHz	633332	CP-OFDM 16QAM^Inner_1RB_Right:PC2	21.91	22.00
n77	100MHz	30kHz	633332	CP-OFDM 16QAM^Inner_Full:PC2	22.28	23.00
n77	100MHz	30kHz	633332	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.87	21.00
n77	100MHz	30kHz	633332	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.71	21.00
n77	100MHz	30kHz	633332	CP-OFDM 64QAM^Inner_Full:PC2	20.80	21.00
n77	100MHz	30kHz	633332	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.98	18.00
n77	100MHz	30kHz	633332	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.72	18.00
n77	100MHz	30kHz	633332	CP-OFDM 256QAM^Inner_Full:PC2	17.89	18.00

7.1.30. Conducted Power Measurement Results(5G NR Band 77 3700M-3980MHz)

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	Tune Up (dBm)
n77	20MHz	30kHz	647334	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	23.86	24.00
n77	20MHz	30kHz	647334	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	23.95	24.00
n77	20MHz	30kHz	647334	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.07	25.00
n77	20MHz	30kHz	647334	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.56	21.00
n77	20MHz	30kHz	647334	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.66	21.00
n77	20MHz	30kHz	647334	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.60	24.00
n77	20MHz	30kHz	647334	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	23.84	24.00
n77	20MHz	30kHz	647334	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	23.99	24.00
n77	20MHz	30kHz	647334	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.05	25.00
n77	20MHz	30kHz	647334	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.63	21.00
n77	20MHz	30kHz	647334	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.73	21.00
n77	20MHz	30kHz	647334	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.06	24.00
n77	20MHz	30kHz	647334	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.72	23.00
n77	20MHz	30kHz	647334	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.86	23.00
n77	20MHz	30kHz	647334	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	22.98	23.00
n77	20MHz	30kHz	647334	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.71	22.00
n77	20MHz	30kHz	647334	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.87	22.00
n77	20MHz	30kHz	647334	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.60	22.00
n77	20MHz	30kHz	647334	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.61	20.00
n77	20MHz	30kHz	647334	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.70	20.00
n77	20MHz	30kHz	647334	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.67	20.00
n77	20MHz	30kHz	647334	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.15	23.00
n77	20MHz	30kHz	647334	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.25	23.00
n77	20MHz	30kHz	647334	24	CP-OFDM QPSK^Inner_Full:PC2	22.54	23.00
n77	20MHz	30kHz	647334	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	21.77	22.00
n77	20MHz	30kHz	647334	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	21.90	22.00
n77	20MHz	30kHz	647334	27	CP-OFDM 16QAM^Inner_Full:PC2	22.03	23.00
n77	20MHz	30kHz	647334	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.61	21.00
n77	20MHz	30kHz	647334	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.71	21.00
n77	20MHz	30kHz	647334	30	CP-OFDM 64QAM^Inner_Full:PC2	20.75	21.00
n77	20MHz	30kHz	647334	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.71	18.00
n77	20MHz	30kHz	647334	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.79	18.00
n77	20MHz	30kHz	647334	33	CP-OFDM 256QAM^Inner_Full:PC2	17.74	18.00
n77	20MHz	30kHz	656000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	23.65	24.00
n77	20MHz	30kHz	656000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	23.88	24.00
n77	20MHz	30kHz	656000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	23.92	24.00
n77	20MHz	30kHz	656000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.41	21.00
n77	20MHz	30kHz	656000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.68	21.00
n77	20MHz	30kHz	656000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.45	24.00
n77	20MHz	30kHz	656000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	23.68	24.00
n77	20MHz	30kHz	656000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	23.86	24.00
n77	20MHz	30kHz	656000	9	DFT-s-OFDM QPSK^Inner_Full:PC2	23.94	24.00
n77	20MHz	30kHz	656000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.48	21.00
n77	20MHz	30kHz	656000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.64	21.00
n77	20MHz	30kHz	656000	12	DFT-s-OFDM QPSK^Outer_Full:PC2	22.96	23.00
n77	20MHz	30kHz	656000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.65	23.00
n77	20MHz	30kHz	656000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.78	23.00
n77	20MHz	30kHz	656000	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	22.92	23.00
n77	20MHz	30kHz	656000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.48	22.00
n77	20MHz	30kHz	656000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.66	22.00
n77	20MHz	30kHz	656000	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.55	22.00
n77	20MHz	30kHz	656000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.44	20.00
n77	20MHz	30kHz	656000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.54	20.00
n77	20MHz	30kHz	656000	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.60	20.00
n77	20MHz	30kHz	656000	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.07	23.00
n77	20MHz	30kHz	656000	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.21	23.00
n77	20MHz	30kHz	656000	24	CP-OFDM QPSK^Inner_Full:PC2	22.38	23.00
n77	20MHz	30kHz	656000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	21.79	22.00
n77	20MHz	30kHz	656000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	21.95	22.00
n77	20MHz	30kHz	656000	27	CP-OFDM 16QAM^Inner_Full:PC2	21.96	22.00
n77	20MHz	30kHz	656000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.64	21.00
n77	20MHz	30kHz	656000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.78	21.00
n77	20MHz	30kHz	656000	30	CP-OFDM 64QAM^Inner_Full:PC2	20.67	21.00
n77	20MHz	30kHz	656000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.58	18.00
n77	20MHz	30kHz	656000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.79	18.00
n77	20MHz	30kHz	656000	33	CP-OFDM 256QAM^Inner_Full:PC2	17.69	18.00
n77	20MHz	30kHz	664666	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	23.95	24.00
n77	20MHz	30kHz	664666	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.09	25.00
n77	20MHz	30kHz	664666	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.20	25.00

n77	20MHz	30kHz	664666	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.65	21.00
n77	20MHz	30kHz	664666	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.71	21.00
n77	20MHz	30kHz	664666	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.67	24.00
n77	20MHz	30kHz	664666	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	23.97	24.00
n77	20MHz	30kHz	664666	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.12	25.00
n77	20MHz	30kHz	664666	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.18	25.00
n77	20MHz	30kHz	664666	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.68	21.00
n77	20MHz	30kHz	664666	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.80	21.00
n77	20MHz	30kHz	664666	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.23	24.00
n77	20MHz	30kHz	664666	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.88	23.00
n77	20MHz	30kHz	664666	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	23.06	24.00
n77	20MHz	30kHz	664666	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.17	24.00
n77	20MHz	30kHz	664666	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.92	22.00
n77	20MHz	30kHz	664666	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.98	22.00
n77	20MHz	30kHz	664666	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.74	22.00
n77	20MHz	30kHz	664666	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.63	20.00
n77	20MHz	30kHz	664666	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.75	20.00
n77	20MHz	30kHz	664666	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.81	20.00
n77	20MHz	30kHz	664666	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.43	23.00
n77	20MHz	30kHz	664666	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.54	23.00
n77	20MHz	30kHz	664666	24	CP-OFDM QPSK^Inner_Full:PC2	22.67	23.00
n77	20MHz	30kHz	664666	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.04	23.00
n77	20MHz	30kHz	664666	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.13	23.00
n77	20MHz	30kHz	664666	27	CP-OFDM 16QAM^Inner_Full:PC2	22.27	23.00
n77	20MHz	30kHz	664666	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.83	21.00
n77	20MHz	30kHz	664666	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.87	21.00
n77	20MHz	30kHz	664666	30	CP-OFDM 64QAM^Inner_Full:PC2	20.88	21.00
n77	20MHz	30kHz	664666	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.88	18.00
n77	20MHz	30kHz	664666	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.99	18.00
n77	20MHz	30kHz	664666	33	CP-OFDM 256QAM^Inner_Full:PC2	17.90	18.00
n77	50MHz	30kHz	648334	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	23.79	24.00
n77	50MHz	30kHz	648334	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.26	25.00
n77	50MHz	30kHz	648334	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.22	25.00
n77	50MHz	30kHz	648334	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.46	21.00
n77	50MHz	30kHz	648334	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.96	21.00
n77	50MHz	30kHz	648334	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.70	24.00
n77	50MHz	30kHz	648334	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	23.84	24.00
n77	50MHz	30kHz	648334	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.28	25.00
n77	50MHz	30kHz	648334	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.18	25.00
n77	50MHz	30kHz	648334	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.53	21.00
n77	50MHz	30kHz	648334	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.96	21.00
n77	50MHz	30kHz	648334	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.20	24.00
n77	50MHz	30kHz	648334	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.73	23.00
n77	50MHz	30kHz	648334	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	23.28	24.00
n77	50MHz	30kHz	648334	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.11	24.00
n77	50MHz	30kHz	648334	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.72	22.00
n77	50MHz	30kHz	648334	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	22.21	23.00
n77	50MHz	30kHz	648334	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.78	22.00
n77	50MHz	30kHz	648334	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.53	20.00
n77	50MHz	30kHz	648334	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.95	20.00
n77	50MHz	30kHz	648334	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.83	20.00
n77	50MHz	30kHz	648334	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.16	23.00
n77	50MHz	30kHz	648334	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.49	23.00
n77	50MHz	30kHz	648334	24	CP-OFDM QPSK^Inner_Full:PC2	22.68	23.00
n77	50MHz	30kHz	648334	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	21.81	22.00
n77	50MHz	30kHz	648334	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.30	23.00
n77	50MHz	30kHz	648334	27	CP-OFDM 16QAM^Inner_Full:PC2	22.21	23.00
n77	50MHz	30kHz	648334	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.58	21.00
n77	50MHz	30kHz	648334	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.89	21.00
n77	50MHz	30kHz	648334	30	CP-OFDM 64QAM^Inner_Full:PC2	20.84	21.00
n77	50MHz	30kHz	648334	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.60	18.00
n77	50MHz	30kHz	648334	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	18.02	19.00
n77	50MHz	30kHz	648334	33	CP-OFDM 256QAM^Inner_Full:PC2	17.88	18.00
n77	50MHz	30kHz	656000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	23.78	24.00
n77	50MHz	30kHz	656000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	23.80	24.00
n77	50MHz	30kHz	656000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	23.95	24.00
n77	50MHz	30kHz	656000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.49	21.00
n77	50MHz	30kHz	656000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.51	21.00
n77	50MHz	30kHz	656000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.48	24.00
n77	50MHz	30kHz	656000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	23.77	24.00
n77	50MHz	30kHz	656000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	23.81	24.00
n77	50MHz	30kHz	656000	9	DFT-s-OFDM QPSK^Inner_Full:PC2	23.95	24.00
n77	50MHz	30kHz	656000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.58	21.00

n77	50MHz	30kHz	656000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.65	21.00
n77	50MHz	30kHz	656000	12	DFT-s-OFDM QPSK^Outer_Full:PC2	22.95	23.00
n77	50MHz	30kHz	656000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.83	23.00
n77	50MHz	30kHz	656000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.76	23.00
n77	50MHz	30kHz	656000	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	22.93	23.00
n77	50MHz	30kHz	656000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.74	22.00
n77	50MHz	30kHz	656000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.81	22.00
n77	50MHz	30kHz	656000	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.56	22.00
n77	50MHz	30kHz	656000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.52	20.00
n77	50MHz	30kHz	656000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.56	20.00
n77	50MHz	30kHz	656000	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.66	20.00
n77	50MHz	30kHz	656000	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.14	23.00
n77	50MHz	30kHz	656000	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.27	23.00
n77	50MHz	30kHz	656000	24	CP-OFDM QPSK^Inner_Full:PC2	22.43	23.00
n77	50MHz	30kHz	656000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	21.78	22.00
n77	50MHz	30kHz	656000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	21.84	22.00
n77	50MHz	30kHz	656000	27	CP-OFDM 16QAM^Inner_Full:PC2	21.94	22.00
n77	50MHz	30kHz	656000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.63	21.00
n77	50MHz	30kHz	656000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.64	21.00
n77	50MHz	30kHz	656000	30	CP-OFDM 64QAM^Inner_Full:PC2	20.64	21.00
n77	50MHz	30kHz	656000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.62	18.00
n77	50MHz	30kHz	656000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.78	18.00
n77	50MHz	30kHz	656000	33	CP-OFDM 256QAM^Inner_Full:PC2	17.70	18.00
n77	50MHz	30kHz	663666	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	23.90	24.00
n77	50MHz	30kHz	663666	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.09	25.00
n77	50MHz	30kHz	663666	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.15	25.00
n77	50MHz	30kHz	663666	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.60	21.00
n77	50MHz	30kHz	663666	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.81	21.00
n77	50MHz	30kHz	663666	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.71	24.00
n77	50MHz	30kHz	663666	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	23.92	24.00
n77	50MHz	30kHz	663666	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.10	25.00
n77	50MHz	30kHz	663666	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.15	25.00
n77	50MHz	30kHz	663666	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.64	21.00
n77	50MHz	30kHz	663666	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.77	21.00
n77	50MHz	30kHz	663666	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.18	24.00
n77	50MHz	30kHz	663666	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.86	23.00
n77	50MHz	30kHz	663666	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	23.03	24.00
n77	50MHz	30kHz	663666	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.08	24.00
n77	50MHz	30kHz	663666	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.84	22.00
n77	50MHz	30kHz	663666	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	22.09	23.00
n77	50MHz	30kHz	663666	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.66	22.00
n77	50MHz	30kHz	663666	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.60	20.00
n77	50MHz	30kHz	663666	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.70	20.00
n77	50MHz	30kHz	663666	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.71	20.00
n77	50MHz	30kHz	663666	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.23	23.00
n77	50MHz	30kHz	663666	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.46	23.00
n77	50MHz	30kHz	663666	24	CP-OFDM QPSK^Inner_Full:PC2	22.63	23.00
n77	50MHz	30kHz	663666	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.00	23.00
n77	50MHz	30kHz	663666	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.12	23.00
n77	50MHz	30kHz	663666	27	CP-OFDM 16QAM^Inner_Full:PC2	22.12	23.00
n77	50MHz	30kHz	663666	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.72	21.00
n77	50MHz	30kHz	663666	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.76	21.00
n77	50MHz	30kHz	663666	30	CP-OFDM 64QAM^Inner_Full:PC2	20.71	21.00
n77	50MHz	30kHz	663666	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.79	18.00
n77	50MHz	30kHz	663666	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.94	18.00
n77	50MHz	30kHz	663666	33	CP-OFDM 256QAM^Inner_Full:PC2	17.78	18.00
n77	100MHz	30kHz	650000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	23.77	24.00
n77	100MHz	30kHz	650000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.11	25.00
n77	100MHz	30kHz	650000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.36	25.00
n77	100MHz	30kHz	650000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.40	21.00
n77	100MHz	30kHz	650000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.79	21.00
n77	100MHz	30kHz	650000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.78	24.00
n77	100MHz	30kHz	650000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	23.82	24.00
n77	100MHz	30kHz	650000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.19	25.00
n77	100MHz	30kHz	650000	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.35	25.00
n77	100MHz	30kHz	650000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.42	21.00
n77	100MHz	30kHz	650000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.85	21.00
n77	100MHz	30kHz	650000	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.28	24.00
n77	100MHz	30kHz	650000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.72	23.00
n77	100MHz	30kHz	650000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	23.09	24.00
n77	100MHz	30kHz	650000	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.34	24.00
n77	100MHz	30kHz	650000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.78	22.00
n77	100MHz	30kHz	650000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	22.19	23.00

n77	100MHz	30kHz	650000	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.85	22.00
n77	100MHz	30kHz	650000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.41	20.00
n77	100MHz	30kHz	650000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.81	20.00
n77	100MHz	30kHz	650000	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.97	20.00
n77	100MHz	30kHz	650000	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.14	23.00
n77	100MHz	30kHz	650000	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.50	23.00
n77	100MHz	30kHz	650000	24	CP-OFDM QPSK^Inner_Full:PC2	22.77	23.00
n77	100MHz	30kHz	650000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	21.92	22.00
n77	100MHz	30kHz	650000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.17	23.00
n77	100MHz	30kHz	650000	27	CP-OFDM 16QAM^Inner_Full:PC2	22.24	23.00
n77	100MHz	30kHz	650000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.53	21.00
n77	100MHz	30kHz	650000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.96	21.00
n77	100MHz	30kHz	650000	30	CP-OFDM 64QAM^Inner_Full:PC2	20.89	21.00
n77	100MHz	30kHz	650000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.53	18.00
n77	100MHz	30kHz	650000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.95	18.00
n77	100MHz	30kHz	650000	33	CP-OFDM 256QAM^Inner_Full:PC2	17.99	18.00
n77	100MHz	30kHz	656000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	23.96	24.00
n77	100MHz	30kHz	656000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.06	25.00
n77	100MHz	30kHz	656000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	23.92	24.00
n77	100MHz	30kHz	656000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.65	21.00
n77	100MHz	30kHz	656000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.76	21.00
n77	100MHz	30kHz	656000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.55	24.00
n77	100MHz	30kHz	656000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.01	25.00
n77	100MHz	30kHz	656000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.13	25.00
n77	100MHz	30kHz	656000	9	DFT-s-OFDM QPSK^Inner_Full:PC2	23.91	24.00
n77	100MHz	30kHz	656000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.67	21.00
n77	100MHz	30kHz	656000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.81	21.00
n77	100MHz	30kHz	656000	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.05	24.00
n77	100MHz	30kHz	656000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.97	23.00
n77	100MHz	30kHz	656000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	23.06	24.00
n77	100MHz	30kHz	656000	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	22.95	23.00
n77	100MHz	30kHz	656000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.78	22.00
n77	100MHz	30kHz	656000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.93	22.00
n77	100MHz	30kHz	656000	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.50	22.00
n77	100MHz	30kHz	656000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.64	20.00
n77	100MHz	30kHz	656000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.74	20.00
n77	100MHz	30kHz	656000	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.67	20.00
n77	100MHz	30kHz	656000	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.34	23.00
n77	100MHz	30kHz	656000	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.45	23.00
n77	100MHz	30kHz	656000	24	CP-OFDM QPSK^Inner_Full:PC2	22.40	23.00
n77	100MHz	30kHz	656000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	21.99	22.00
n77	100MHz	30kHz	656000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.18	23.00
n77	100MHz	30kHz	656000	27	CP-OFDM 16QAM^Inner_Full:PC2	21.94	22.00
n77	100MHz	30kHz	656000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.72	21.00
n77	100MHz	30kHz	656000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.86	21.00
n77	100MHz	30kHz	656000	30	CP-OFDM 64QAM^Inner_Full:PC2	20.61	21.00
n77	100MHz	30kHz	656000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.78	18.00
n77	100MHz	30kHz	656000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	18.00	19.00
n77	100MHz	30kHz	656000	33	CP-OFDM 256QAM^Inner_Full:PC2	17.70	18.00
n77	100MHz	30kHz	662000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.27	25.00
n77	100MHz	30kHz	662000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.17	25.00
n77	100MHz	30kHz	662000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.21	25.00
n77	100MHz	30kHz	662000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.98	21.00
n77	100MHz	30kHz	662000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.73	21.00
n77	100MHz	30kHz	662000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.76	24.00
n77	100MHz	30kHz	662000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.29	25.00
n77	100MHz	30kHz	662000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.19	25.00
n77	100MHz	30kHz	662000	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.17	25.00
n77	100MHz	30kHz	662000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	21.02	22.00
n77	100MHz	30kHz	662000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.78	21.00
n77	100MHz	30kHz	662000	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.23	24.00
n77	100MHz	30kHz	662000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.26	24.00
n77	100MHz	30kHz	662000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	23.13	24.00
n77	100MHz	30kHz	662000	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.20	24.00
n77	100MHz	30kHz	662000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	22.31	23.00
n77	100MHz	30kHz	662000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	22.13	23.00
n77	100MHz	30kHz	662000	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.76	22.00
n77	100MHz	30kHz	662000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	20.02	21.00
n77	100MHz	30kHz	662000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.78	20.00
n77	100MHz	30kHz	662000	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.81	20.00
n77	100MHz	30kHz	662000	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.71	23.00
n77	100MHz	30kHz	662000	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.62	23.00
n77	100MHz	30kHz	662000	24	CP-OFDM QPSK^Inner_Full:PC2	22.62	23.00

n77	100MHz	30kHz	662000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.34	23.00
n77	100MHz	30kHz	662000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.25	23.00
n77	100MHz	30kHz	662000	27	CP-OFDM 16QAM^Inner_Full:PC2	22.17	23.00
n77	100MHz	30kHz	662000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	21.09	22.00
n77	100MHz	30kHz	662000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.90	21.00
n77	100MHz	30kHz	662000	30	CP-OFDM 64QAM^Inner_Full:PC2	20.72	21.00
n77	100MHz	30kHz	662000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	18.21	19.00
n77	100MHz	30kHz	662000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	18.08	19.00
n77	100MHz	30kHz	662000	33	CP-OFDM 256QAM^Inner_Full:PC2	17.87	18.00

7.1.31. Conducted Power Measurement Results(5G NR Band 78 3450M-3550MHz)

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	Tune Up (dBm)
n78	20MHz	30kHz	630668	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.03	25.00
n78	20MHz	30kHz	630668	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.00	25.00
n78	20MHz	30kHz	630668	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.07	25.00
n78	20MHz	30kHz	630668	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.82	21.00
n78	20MHz	30kHz	630668	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.77	21.00
n78	20MHz	30kHz	630668	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.69	24.00
n78	20MHz	30kHz	630668	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.03	25.00
n78	20MHz	30kHz	630668	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.01	25.00
n78	20MHz	30kHz	630668	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.17	25.00
n78	20MHz	30kHz	630668	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.81	21.00
n78	20MHz	30kHz	630668	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.77	21.00
n78	20MHz	30kHz	630668	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.22	24.00
n78	20MHz	30kHz	630668	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.08	24.00
n78	20MHz	30kHz	630668	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.88	23.00
n78	20MHz	30kHz	630668	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.10	24.00
n78	20MHz	30kHz	630668	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.88	22.00
n78	20MHz	30kHz	630668	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.99	22.00
n78	20MHz	30kHz	630668	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.72	22.00
n78	20MHz	30kHz	630668	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.85	20.00
n78	20MHz	30kHz	630668	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.87	20.00
n78	20MHz	30kHz	630668	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.88	20.00
n78	20MHz	30kHz	630668	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.32	23.00
n78	20MHz	30kHz	630668	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.47	23.00
n78	20MHz	30kHz	630668	24	CP-OFDM QPSK^Inner_Full:PC2	22.70	23.00
n78	20MHz	30kHz	630668	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.19	23.00
n78	20MHz	30kHz	630668	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.14	23.00
n78	20MHz	30kHz	630668	27	CP-OFDM 16QAM^Inner_Full:PC2	22.22	23.00
n78	20MHz	30kHz	630668	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.84	21.00
n78	20MHz	30kHz	630668	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.91	21.00
n78	20MHz	30kHz	630668	30	CP-OFDM 64QAM^Inner_Full:PC2	20.92	21.00
n78	20MHz	30kHz	630668	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.92	18.00
n78	20MHz	30kHz	630668	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.95	18.00
n78	20MHz	30kHz	630668	33	CP-OFDM 256QAM^Inner_Full:PC2	17.97	18.00
n78	20MHz	30kHz	633332	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.00	25.00
n78	20MHz	30kHz	633332	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	23.98	24.00
n78	20MHz	30kHz	633332	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.08	25.00
n78	20MHz	30kHz	633332	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.74	21.00
n78	20MHz	30kHz	633332	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.69	21.00
n78	20MHz	30kHz	633332	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.68	24.00
n78	20MHz	30kHz	633332	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.03	25.00
n78	20MHz	30kHz	633332	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	23.94	24.00
n78	20MHz	30kHz	633332	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.11	25.00
n78	20MHz	30kHz	633332	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.72	21.00
n78	20MHz	30kHz	633332	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.72	21.00
n78	20MHz	30kHz	633332	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.13	24.00
n78	20MHz	30kHz	633332	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.04	24.00
n78	20MHz	30kHz	633332	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.89	23.00
n78	20MHz	30kHz	633332	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.08	24.00
n78	20MHz	30kHz	633332	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.74	22.00
n78	20MHz	30kHz	633332	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.73	22.00
n78	20MHz	30kHz	633332	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.74	22.00
n78	20MHz	30kHz	633332	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.78	20.00
n78	20MHz	30kHz	633332	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.75	20.00
n78	20MHz	30kHz	633332	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.78	20.00
n78	20MHz	30kHz	633332	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.33	23.00
n78	20MHz	30kHz	633332	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.25	23.00
n78	20MHz	30kHz	633332	24	CP-OFDM QPSK^Inner_Full:PC2	22.49	23.00
n78	20MHz	30kHz	633332	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.03	23.00
n78	20MHz	30kHz	633332	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	21.93	22.00
n78	20MHz	30kHz	633332	27	CP-OFDM 16QAM^Inner_Full:PC2	22.12	23.00
n78	20MHz	30kHz	633332	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.77	21.00
n78	20MHz	30kHz	633332	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.68	21.00
n78	20MHz	30kHz	633332	30	CP-OFDM 64QAM^Inner_Full:PC2	20.89	21.00
n78	20MHz	30kHz	633332	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.80	18.00
n78	20MHz	30kHz	633332	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.77	18.00
n78	20MHz	30kHz	633332	33	CP-OFDM 256QAM^Inner_Full:PC2	17.89	18.00
n78	20MHz	30kHz	636000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.02	25.00
n78	20MHz	30kHz	636000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.09	25.00
n78	20MHz	30kHz	636000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.22	25.00

n78	20MHz	30kHz	636000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.85	21.00
n78	20MHz	30kHz	636000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.81	21.00
n78	20MHz	30kHz	636000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.68	24.00
n78	20MHz	30kHz	636000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	23.99	24.00
n78	20MHz	30kHz	636000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	23.99	24.00
n78	20MHz	30kHz	636000	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.18	25.00
n78	20MHz	30kHz	636000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.79	21.00
n78	20MHz	30kHz	636000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.80	21.00
n78	20MHz	30kHz	636000	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.18	24.00
n78	20MHz	30kHz	636000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.97	23.00
n78	20MHz	30kHz	636000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	23.00	24.00
n78	20MHz	30kHz	636000	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.17	24.00
n78	20MHz	30kHz	636000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.97	22.00
n78	20MHz	30kHz	636000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.91	22.00
n78	20MHz	30kHz	636000	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.67	22.00
n78	20MHz	30kHz	636000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.81	20.00
n78	20MHz	30kHz	636000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.86	20.00
n78	20MHz	30kHz	636000	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.91	20.00
n78	20MHz	30kHz	636000	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.38	23.00
n78	20MHz	30kHz	636000	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.34	23.00
n78	20MHz	30kHz	636000	24	CP-OFDM QPSK^Inner_Full:PC2	22.64	23.00
n78	20MHz	30kHz	636000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	21.91	22.00
n78	20MHz	30kHz	636000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	21.92	22.00
n78	20MHz	30kHz	636000	27	CP-OFDM 16QAM^Inner_Full:PC2	22.20	23.00
n78	20MHz	30kHz	636000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.82	21.00
n78	20MHz	30kHz	636000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.78	21.00
n78	20MHz	30kHz	636000	30	CP-OFDM 64QAM^Inner_Full:PC2	20.90	21.00
n78	20MHz	30kHz	636000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.86	18.00
n78	20MHz	30kHz	636000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.86	18.00
n78	20MHz	30kHz	636000	33	CP-OFDM 256QAM^Inner_Full:PC2	17.94	18.00
n78	50MHz	30kHz	631668	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.01	25.00
n78	50MHz	30kHz	631668	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	23.91	24.00
n78	50MHz	30kHz	631668	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.16	25.00
n78	50MHz	30kHz	631668	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.69	21.00
n78	50MHz	30kHz	631668	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.65	21.00
n78	50MHz	30kHz	631668	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.66	24.00
n78	50MHz	30kHz	631668	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.03	25.00
n78	50MHz	30kHz	631668	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	23.93	24.00
n78	50MHz	30kHz	631668	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.17	25.00
n78	50MHz	30kHz	631668	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.75	21.00
n78	50MHz	30kHz	631668	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.69	21.00
n78	50MHz	30kHz	631668	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.20	24.00
n78	50MHz	30kHz	631668	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.96	23.00
n78	50MHz	30kHz	631668	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.76	23.00
n78	50MHz	30kHz	631668	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.18	24.00
n78	50MHz	30kHz	631668	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.92	22.00
n78	50MHz	30kHz	631668	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.77	22.00
n78	50MHz	30kHz	631668	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.71	22.00
n78	50MHz	30kHz	631668	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.71	20.00
n78	50MHz	30kHz	631668	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.66	20.00
n78	50MHz	30kHz	631668	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.81	20.00
n78	50MHz	30kHz	631668	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.37	23.00
n78	50MHz	30kHz	631668	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.26	23.00
n78	50MHz	30kHz	631668	24	CP-OFDM QPSK^Inner_Full:PC2	22.61	23.00
n78	50MHz	30kHz	631668	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.05	23.00
n78	50MHz	30kHz	631668	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	21.93	22.00
n78	50MHz	30kHz	631668	27	CP-OFDM 16QAM^Inner_Full:PC2	22.14	23.00
n78	50MHz	30kHz	631668	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.72	21.00
n78	50MHz	30kHz	631668	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.67	21.00
n78	50MHz	30kHz	631668	30	CP-OFDM 64QAM^Inner_Full:PC2	20.77	21.00
n78	50MHz	30kHz	631668	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.71	18.00
n78	50MHz	30kHz	631668	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.69	18.00
n78	50MHz	30kHz	631668	33	CP-OFDM 256QAM^Inner_Full:PC2	17.81	18.00
n78	50MHz	30kHz	633332	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.04	25.00
n78	50MHz	30kHz	633332	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	23.88	24.00
n78	50MHz	30kHz	633332	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.16	25.00
n78	50MHz	30kHz	633332	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.78	21.00
n78	50MHz	30kHz	633332	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.65	21.00
n78	50MHz	30kHz	633332	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.61	24.00
n78	50MHz	30kHz	633332	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.10	25.00
n78	50MHz	30kHz	633332	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	23.90	24.00
n78	50MHz	30kHz	633332	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.15	25.00
n78	50MHz	30kHz	633332	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.83	21.00

n78	50MHz	30kHz	633332	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.68	21.00
n78	50MHz	30kHz	633332	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.09	24.00
n78	50MHz	30kHz	633332	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.85	23.00
n78	50MHz	30kHz	633332	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.76	23.00
n78	50MHz	30kHz	633332	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.15	24.00
n78	50MHz	30kHz	633332	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.96	22.00
n78	50MHz	30kHz	633332	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.68	22.00
n78	50MHz	30kHz	633332	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.76	22.00
n78	50MHz	30kHz	633332	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.76	20.00
n78	50MHz	30kHz	633332	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.64	20.00
n78	50MHz	30kHz	633332	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.86	20.00
n78	50MHz	30kHz	633332	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.38	23.00
n78	50MHz	30kHz	633332	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.20	23.00
n78	50MHz	30kHz	633332	24	CP-OFDM QPSK^Inner_Full:PC2	22.61	23.00
n78	50MHz	30kHz	633332	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.09	23.00
n78	50MHz	30kHz	633332	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	21.84	22.00
n78	50MHz	30kHz	633332	27	CP-OFDM 16QAM^Inner_Full:PC2	22.16	23.00
n78	50MHz	30kHz	633332	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.73	21.00
n78	50MHz	30kHz	633332	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.66	21.00
n78	50MHz	30kHz	633332	30	CP-OFDM 64QAM^Inner_Full:PC2	20.80	21.00
n78	50MHz	30kHz	633332	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.84	18.00
n78	50MHz	30kHz	633332	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.71	18.00
n78	50MHz	30kHz	633332	33	CP-OFDM 256QAM^Inner_Full:PC2	17.88	18.00
n78	50MHz	30kHz	635000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.03	25.00
n78	50MHz	30kHz	635000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.03	25.00
n78	50MHz	30kHz	635000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.04	25.00
n78	50MHz	30kHz	635000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.77	21.00
n78	50MHz	30kHz	635000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.74	21.00
n78	50MHz	30kHz	635000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.61	24.00
n78	50MHz	30kHz	635000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.06	25.00
n78	50MHz	30kHz	635000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.01	25.00
n78	50MHz	30kHz	635000	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.07	25.00
n78	50MHz	30kHz	635000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.82	21.00
n78	50MHz	30kHz	635000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.79	21.00
n78	50MHz	30kHz	635000	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.05	24.00
n78	50MHz	30kHz	635000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.77	23.00
n78	50MHz	30kHz	635000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.93	23.00
n78	50MHz	30kHz	635000	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.01	24.00
n78	50MHz	30kHz	635000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.80	22.00
n78	50MHz	30kHz	635000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.94	22.00
n78	50MHz	30kHz	635000	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.67	22.00
n78	50MHz	30kHz	635000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.78	20.00
n78	50MHz	30kHz	635000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.76	20.00
n78	50MHz	30kHz	635000	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.81	20.00
n78	50MHz	30kHz	635000	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.36	23.00
n78	50MHz	30kHz	635000	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.34	23.00
n78	50MHz	30kHz	635000	24	CP-OFDM QPSK^Inner_Full:PC2	22.50	23.00
n78	50MHz	30kHz	635000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.08	23.00
n78	50MHz	30kHz	635000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.01	23.00
n78	50MHz	30kHz	635000	27	CP-OFDM 16QAM^Inner_Full:PC2	22.08	23.00
n78	50MHz	30kHz	635000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.78	21.00
n78	50MHz	30kHz	635000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.81	21.00
n78	50MHz	30kHz	635000	30	CP-OFDM 64QAM^Inner_Full:PC2	20.80	21.00
n78	50MHz	30kHz	635000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.86	18.00
n78	50MHz	30kHz	635000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.81	18.00
n78	50MHz	30kHz	635000	33	CP-OFDM 256QAM^Inner_Full:PC2	17.85	18.00
n78	100MHz	30kHz	633332	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.14	25.00
n78	100MHz	30kHz	633332	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	23.97	24.00
n78	100MHz	30kHz	633332	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.13	25.00
n78	100MHz	30kHz	633332	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.77	21.00
n78	100MHz	30kHz	633332	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.72	21.00
n78	100MHz	30kHz	633332	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.62	24.00
n78	100MHz	30kHz	633332	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.14	25.00
n78	100MHz	30kHz	633332	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	23.98	24.00
n78	100MHz	30kHz	633332	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.08	25.00
n78	100MHz	30kHz	633332	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.82	21.00
n78	100MHz	30kHz	633332	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.76	21.00
n78	100MHz	30kHz	633332	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.15	24.00
n78	100MHz	30kHz	633332	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.21	24.00
n78	100MHz	30kHz	633332	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.84	23.00
n78	100MHz	30kHz	633332	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.12	24.00
n78	100MHz	30kHz	633332	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	22.11	23.00
n78	100MHz	30kHz	633332	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	21.79	22.00

n78	100MHz	30kHz	633332	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.77	22.00
n78	100MHz	30kHz	633332	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.81	20.00
n78	100MHz	30kHz	633332	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.74	20.00
n78	100MHz	30kHz	633332	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.86	20.00
n78	100MHz	30kHz	633332	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.42	23.00
n78	100MHz	30kHz	633332	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.30	23.00
n78	100MHz	30kHz	633332	24	CP-OFDM QPSK^Inner_Full:PC2	22.58	23.00
n78	100MHz	30kHz	633332	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.11	23.00
n78	100MHz	30kHz	633332	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	21.92	22.00
n78	100MHz	30kHz	633332	27	CP-OFDM 16QAM^Inner_Full:PC2	22.19	23.00
n78	100MHz	30kHz	633332	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.82	21.00
n78	100MHz	30kHz	633332	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.76	21.00
n78	100MHz	30kHz	633332	30	CP-OFDM 64QAM^Inner_Full:PC2	20.79	21.00
n78	100MHz	30kHz	633332	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.85	18.00
n78	100MHz	30kHz	633332	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.80	18.00
n78	100MHz	30kHz	633332	33	CP-OFDM 256QAM^Inner_Full:PC2	17.85	18.00

7.1.32. Conducted Power Measurement Results(5G NR Band 78 3700M-3800MHz)

Band	Bandwidth	SCS	Channel	TestID	TestConfig	Value	Tune Up (dBm)
n78	20MHz	30kHz	647334	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	23.91	24.00
n78	20MHz	30kHz	647334	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.09	25.00
n78	20MHz	30kHz	647334	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.14	25.00
n78	20MHz	30kHz	647334	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.64	21.00
n78	20MHz	30kHz	647334	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.81	21.00
n78	20MHz	30kHz	647334	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.61	24.00
n78	20MHz	30kHz	647334	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	23.93	24.00
n78	20MHz	30kHz	647334	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.09	25.00
n78	20MHz	30kHz	647334	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.10	25.00
n78	20MHz	30kHz	647334	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.66	21.00
n78	20MHz	30kHz	647334	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.85	21.00
n78	20MHz	30kHz	647334	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.13	24.00
n78	20MHz	30kHz	647334	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.72	23.00
n78	20MHz	30kHz	647334	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.73	23.00
n78	20MHz	30kHz	647334	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.08	24.00
n78	20MHz	30kHz	647334	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.90	22.00
n78	20MHz	30kHz	647334	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	22.06	23.00
n78	20MHz	30kHz	647334	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.68	22.00
n78	20MHz	30kHz	647334	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.66	20.00
n78	20MHz	30kHz	647334	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.85	20.00
n78	20MHz	30kHz	647334	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.81	20.00
n78	20MHz	30kHz	647334	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.24	23.00
n78	20MHz	30kHz	647334	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.41	23.00
n78	20MHz	30kHz	647334	24	CP-OFDM QPSK^Inner_Full:PC2	22.66	23.00
n78	20MHz	30kHz	647334	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	21.94	22.00
n78	20MHz	30kHz	647334	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.05	23.00
n78	20MHz	30kHz	647334	27	CP-OFDM 16QAM^Inner_Full:PC2	22.12	23.00
n78	20MHz	30kHz	647334	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.66	21.00
n78	20MHz	30kHz	647334	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.81	21.00
n78	20MHz	30kHz	647334	30	CP-OFDM 64QAM^Inner_Full:PC2	20.86	21.00
n78	20MHz	30kHz	647334	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.77	18.00
n78	20MHz	30kHz	647334	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.91	18.00
n78	20MHz	30kHz	647334	33	CP-OFDM 256QAM^Inner_Full:PC2	17.87	18.00
n78	20MHz	30kHz	650000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.16	25.00
n78	20MHz	30kHz	650000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.28	25.00
n78	20MHz	30kHz	650000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.35	25.00
n78	20MHz	30kHz	650000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.86	21.00
n78	20MHz	30kHz	650000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.92	21.00
n78	20MHz	30kHz	650000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.85	24.00
n78	20MHz	30kHz	650000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.13	25.00
n78	20MHz	30kHz	650000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.23	25.00
n78	20MHz	30kHz	650000	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.39	25.00
n78	20MHz	30kHz	650000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.89	21.00
n78	20MHz	30kHz	650000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.92	21.00
n78	20MHz	30kHz	650000	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.36	24.00
n78	20MHz	30kHz	650000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.98	23.00
n78	20MHz	30kHz	650000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	23.15	24.00
n78	20MHz	30kHz	650000	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.35	24.00
n78	20MHz	30kHz	650000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.95	22.00
n78	20MHz	30kHz	650000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	22.13	23.00
n78	20MHz	30kHz	650000	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.92	22.00
n78	20MHz	30kHz	650000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.91	20.00
n78	20MHz	30kHz	650000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	20.00	21.00
n78	20MHz	30kHz	650000	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.98	20.00
n78	20MHz	30kHz	650000	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.50	23.00
n78	20MHz	30kHz	650000	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.57	23.00
n78	20MHz	30kHz	650000	24	CP-OFDM QPSK^Inner_Full:PC2	22.86	23.00
n78	20MHz	30kHz	650000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.22	23.00
n78	20MHz	30kHz	650000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.25	23.00
n78	20MHz	30kHz	650000	27	CP-OFDM 16QAM^Inner_Full:PC2	22.42	23.00
n78	20MHz	30kHz	650000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	21.02	22.00
n78	20MHz	30kHz	650000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	21.10	22.00
n78	20MHz	30kHz	650000	30	CP-OFDM 64QAM^Inner_Full:PC2	21.03	22.00
n78	20MHz	30kHz	650000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	18.02	19.00
n78	20MHz	30kHz	650000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	18.10	19.00
n78	20MHz	30kHz	650000	33	CP-OFDM 256QAM^Inner_Full:PC2	18.06	19.00
n78	20MHz	30kHz	652666	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	23.99	24.00
n78	20MHz	30kHz	652666	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.05	25.00
n78	20MHz	30kHz	652666	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.15	25.00
n78	20MHz	30kHz	652666	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.77	21.00

n78	20MHz	30kHz	652666	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.82	21.00
n78	20MHz	30kHz	652666	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.65	24.00
n78	20MHz	30kHz	652666	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.02	25.00
n78	20MHz	30kHz	652666	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.06	25.00
n78	20MHz	30kHz	652666	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.15	25.00
n78	20MHz	30kHz	652666	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.80	21.00
n78	20MHz	30kHz	652666	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.91	21.00
n78	20MHz	30kHz	652666	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.15	24.00
n78	20MHz	30kHz	652666	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.96	23.00
n78	20MHz	30kHz	652666	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.97	23.00
n78	20MHz	30kHz	652666	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.12	24.00
n78	20MHz	30kHz	652666	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.94	22.00
n78	20MHz	30kHz	652666	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	22.03	23.00
n78	20MHz	30kHz	652666	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.71	22.00
n78	20MHz	30kHz	652666	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.81	20.00
n78	20MHz	30kHz	652666	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.91	20.00
n78	20MHz	30kHz	652666	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.88	20.00
n78	20MHz	30kHz	652666	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.34	23.00
n78	20MHz	30kHz	652666	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.40	23.00
n78	20MHz	30kHz	652666	24	CP-OFDM QPSK^Inner_Full:PC2	22.73	23.00
n78	20MHz	30kHz	652666	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.09	23.00
n78	20MHz	30kHz	652666	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.08	23.00
n78	20MHz	30kHz	652666	27	CP-OFDM 16QAM^Inner_Full:PC2	22.17	23.00
n78	20MHz	30kHz	652666	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.95	21.00
n78	20MHz	30kHz	652666	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.95	21.00
n78	20MHz	30kHz	652666	30	CP-OFDM 64QAM^Inner_Full:PC2	20.93	21.00
n78	20MHz	30kHz	652666	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.92	18.00
n78	20MHz	30kHz	652666	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	18.00	19.00
n78	20MHz	30kHz	652666	33	CP-OFDM 256QAM^Inner_Full:PC2	17.98	18.00
n78	50MHz	30kHz	648334	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	23.84	24.00
n78	50MHz	30kHz	648334	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.24	25.00
n78	50MHz	30kHz	648334	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.30	25.00
n78	50MHz	30kHz	648334	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.53	21.00
n78	50MHz	30kHz	648334	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.94	21.00
n78	50MHz	30kHz	648334	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.75	24.00
n78	50MHz	30kHz	648334	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	23.90	24.00
n78	50MHz	30kHz	648334	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.29	25.00
n78	50MHz	30kHz	648334	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.26	25.00
n78	50MHz	30kHz	648334	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.59	21.00
n78	50MHz	30kHz	648334	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.96	21.00
n78	50MHz	30kHz	648334	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.24	24.00
n78	50MHz	30kHz	648334	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	23.03	24.00
n78	50MHz	30kHz	648334	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	23.34	24.00
n78	50MHz	30kHz	648334	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.27	24.00
n78	50MHz	30kHz	648334	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.70	22.00
n78	50MHz	30kHz	648334	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	22.08	23.00
n78	50MHz	30kHz	648334	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.86	22.00
n78	50MHz	30kHz	648334	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.59	20.00
n78	50MHz	30kHz	648334	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.94	20.00
n78	50MHz	30kHz	648334	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.87	20.00
n78	50MHz	30kHz	648334	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.38	23.00
n78	50MHz	30kHz	648334	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.70	23.00
n78	50MHz	30kHz	648334	24	CP-OFDM QPSK^Inner_Full:PC2	22.73	23.00
n78	50MHz	30kHz	648334	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	21.94	22.00
n78	50MHz	30kHz	648334	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.28	23.00
n78	50MHz	30kHz	648334	27	CP-OFDM 16QAM^Inner_Full:PC2	22.27	23.00
n78	50MHz	30kHz	648334	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.71	21.00
n78	50MHz	30kHz	648334	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	21.01	22.00
n78	50MHz	30kHz	648334	30	CP-OFDM 64QAM^Inner_Full:PC2	20.91	21.00
n78	50MHz	30kHz	648334	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.71	18.00
n78	50MHz	30kHz	648334	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	18.02	19.00
n78	50MHz	30kHz	648334	33	CP-OFDM 256QAM^Inner_Full:PC2	17.90	18.00
n78	50MHz	30kHz	650000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.06	25.00
n78	50MHz	30kHz	650000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.18	25.00
n78	50MHz	30kHz	650000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.42	25.00
n78	50MHz	30kHz	650000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.78	21.00
n78	50MHz	30kHz	650000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.92	21.00
n78	50MHz	30kHz	650000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.87	24.00
n78	50MHz	30kHz	650000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.13	25.00
n78	50MHz	30kHz	650000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.26	25.00
n78	50MHz	30kHz	650000	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.41	25.00
n78	50MHz	30kHz	650000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.82	21.00
n78	50MHz	30kHz	650000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.96	21.00

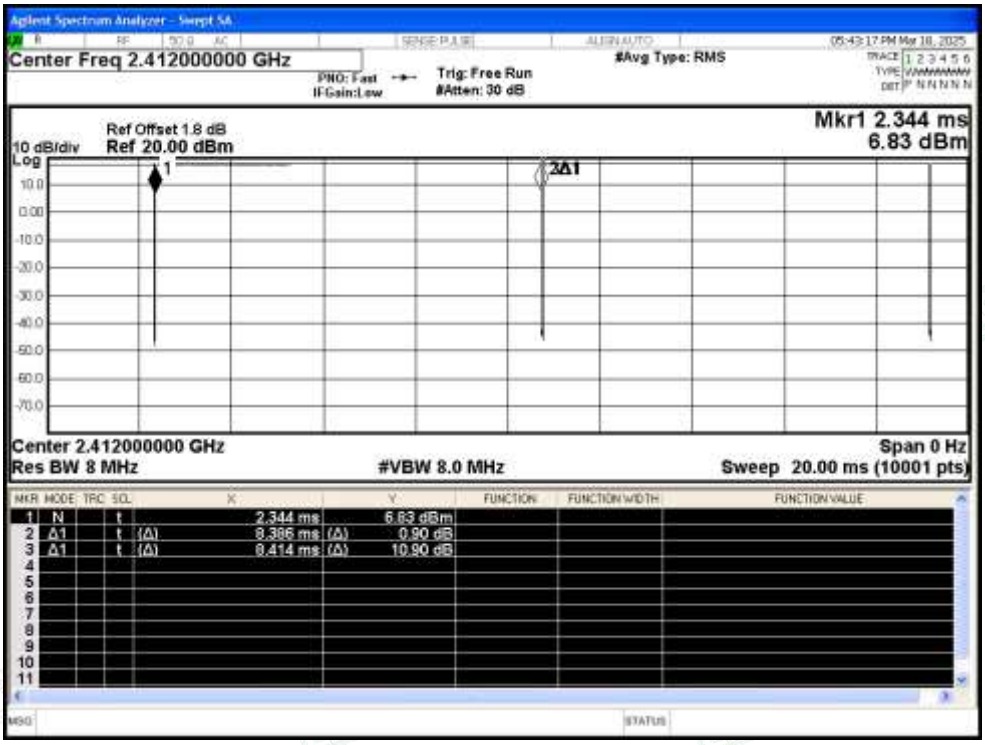
n78	50MHz	30kHz	650000	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.37	24.00
n78	50MHz	30kHz	650000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.93	23.00
n78	50MHz	30kHz	650000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	23.12	24.00
n78	50MHz	30kHz	650000	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.37	24.00
n78	50MHz	30kHz	650000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.91	22.00
n78	50MHz	30kHz	650000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	22.10	23.00
n78	50MHz	30kHz	650000	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.96	22.00
n78	50MHz	30kHz	650000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.68	20.00
n78	50MHz	30kHz	650000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.90	20.00
n78	50MHz	30kHz	650000	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	20.01	21.00
n78	50MHz	30kHz	650000	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.34	23.00
n78	50MHz	30kHz	650000	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.53	23.00
n78	50MHz	30kHz	650000	24	CP-OFDM QPSK^Inner_Full:PC2	22.86	23.00
n78	50MHz	30kHz	650000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.11	23.00
n78	50MHz	30kHz	650000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.21	23.00
n78	50MHz	30kHz	650000	27	CP-OFDM 16QAM^Inner_Full:PC2	22.37	23.00
n78	50MHz	30kHz	650000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.81	21.00
n78	50MHz	30kHz	650000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.85	21.00
n78	50MHz	30kHz	650000	30	CP-OFDM 64QAM^Inner_Full:PC2	21.01	22.00
n78	50MHz	30kHz	650000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.87	18.00
n78	50MHz	30kHz	650000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.96	18.00
n78	50MHz	30kHz	650000	33	CP-OFDM 256QAM^Inner_Full:PC2	18.07	19.00
n78	50MHz	30kHz	651666	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	24.04	25.00
n78	50MHz	30kHz	651666	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.01	25.00
n78	50MHz	30kHz	651666	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.24	25.00
n78	50MHz	30kHz	651666	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.74	21.00
n78	50MHz	30kHz	651666	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.85	21.00
n78	50MHz	30kHz	651666	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.75	24.00
n78	50MHz	30kHz	651666	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	24.12	25.00
n78	50MHz	30kHz	651666	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.07	25.00
n78	50MHz	30kHz	651666	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.23	25.00
n78	50MHz	30kHz	651666	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.75	21.00
n78	50MHz	30kHz	651666	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.84	21.00
n78	50MHz	30kHz	651666	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.29	24.00
n78	50MHz	30kHz	651666	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.99	23.00
n78	50MHz	30kHz	651666	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	22.96	23.00
n78	50MHz	30kHz	651666	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.19	24.00
n78	50MHz	30kHz	651666	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	22.00	23.00
n78	50MHz	30kHz	651666	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	22.00	23.00
n78	50MHz	30kHz	651666	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.78	22.00
n78	50MHz	30kHz	651666	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.75	20.00
n78	50MHz	30kHz	651666	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.82	20.00
n78	50MHz	30kHz	651666	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	19.86	20.00
n78	50MHz	30kHz	651666	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.36	23.00
n78	50MHz	30kHz	651666	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.41	23.00
n78	50MHz	30kHz	651666	24	CP-OFDM QPSK^Inner_Full:PC2	22.66	23.00
n78	50MHz	30kHz	651666	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	22.16	23.00
n78	50MHz	30kHz	651666	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.04	23.00
n78	50MHz	30kHz	651666	27	CP-OFDM 16QAM^Inner_Full:PC2	22.19	23.00
n78	50MHz	30kHz	651666	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.83	21.00
n78	50MHz	30kHz	651666	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	20.80	21.00
n78	50MHz	30kHz	651666	30	CP-OFDM 64QAM^Inner_Full:PC2	20.88	21.00
n78	50MHz	30kHz	651666	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.87	18.00
n78	50MHz	30kHz	651666	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	17.94	18.00
n78	50MHz	30kHz	651666	33	CP-OFDM 256QAM^Inner_Full:PC2	17.89	18.00
n78	100MHz	30kHz	650000	1	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Left:PC2	23.82	24.00
n78	100MHz	30kHz	650000	2	DFT-s-OFDM PI/2 BPSK^Inner_1RB_Right:PC2	24.20	25.00
n78	100MHz	30kHz	650000	3	DFT-s-OFDM PI/2 BPSK^Inner_Full:PC2	24.34	25.00
n78	100MHz	30kHz	650000	4	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Left:PC2	20.49	21.00
n78	100MHz	30kHz	650000	5	DFT-s-OFDM PI/2 BPSK^Edge_1RB_Right:PC2	20.94	21.00
n78	100MHz	30kHz	650000	6	DFT-s-OFDM PI/2 BPSK^Outer_Full:PC2	23.82	24.00
n78	100MHz	30kHz	650000	7	DFT-s-OFDM QPSK^Inner_1RB_Left:PC2	23.88	24.00
n78	100MHz	30kHz	650000	8	DFT-s-OFDM QPSK^Inner_1RB_Right:PC2	24.20	25.00
n78	100MHz	30kHz	650000	9	DFT-s-OFDM QPSK^Inner_Full:PC2	24.34	25.00
n78	100MHz	30kHz	650000	10	DFT-s-OFDM QPSK^Edge_1RB_Left:PC2	20.50	21.00
n78	100MHz	30kHz	650000	11	DFT-s-OFDM QPSK^Edge_1RB_Right:PC2	20.96	21.00
n78	100MHz	30kHz	650000	12	DFT-s-OFDM QPSK^Outer_Full:PC2	23.30	24.00
n78	100MHz	30kHz	650000	13	DFT-s-OFDM 16QAM^Inner_1RB_Left:PC2	22.79	23.00
n78	100MHz	30kHz	650000	14	DFT-s-OFDM 16QAM^Inner_1RB_Right:PC2	23.17	24.00
n78	100MHz	30kHz	650000	15	DFT-s-OFDM 16QAM^Inner_Full:PC2	23.34	24.00
n78	100MHz	30kHz	650000	16	DFT-s-OFDM 64QAM^Inner_1RB_Left:PC2	21.88	22.00
n78	100MHz	30kHz	650000	17	DFT-s-OFDM 64QAM^Inner_1RB_Right:PC2	22.10	23.00
n78	100MHz	30kHz	650000	18	DFT-s-OFDM 64QAM^Inner_Full:PC2	21.87	22.00

n78	100MHz	30kHz	650000	19	DFT-s-OFDM 256QAM^Inner_1RB_Left:PC2	19.48	20.00
n78	100MHz	30kHz	650000	20	DFT-s-OFDM 256QAM^Inner_1RB_Right:PC2	19.94	20.00
n78	100MHz	30kHz	650000	21	DFT-s-OFDM 256QAM^Inner_Full:PC2	20.01	21.00
n78	100MHz	30kHz	650000	22	CP-OFDM QPSK^Inner_1RB_Left:PC2	22.16	23.00
n78	100MHz	30kHz	650000	23	CP-OFDM QPSK^Inner_1RB_Right:PC2	22.58	23.00
n78	100MHz	30kHz	650000	24	CP-OFDM QPSK^Inner_Full:PC2	22.78	23.00
n78	100MHz	30kHz	650000	25	CP-OFDM 16QAM^Inner_1RB_Left:PC2	21.85	22.00
n78	100MHz	30kHz	650000	26	CP-OFDM 16QAM^Inner_1RB_Right:PC2	22.23	23.00
n78	100MHz	30kHz	650000	27	CP-OFDM 16QAM^Inner_Full:PC2	22.24	23.00
n78	100MHz	30kHz	650000	28	CP-OFDM 64QAM^Inner_1RB_Left:PC2	20.52	21.00
n78	100MHz	30kHz	650000	29	CP-OFDM 64QAM^Inner_1RB_Right:PC2	21.05	22.00
n78	100MHz	30kHz	650000	30	CP-OFDM 64QAM^Inner_Full:PC2	20.98	21.00
n78	100MHz	30kHz	650000	31	CP-OFDM 256QAM^Inner_1RB_Left:PC2	17.61	18.00
n78	100MHz	30kHz	650000	32	CP-OFDM 256QAM^Inner_1RB_Right:PC2	18.14	19.00
n78	100MHz	30kHz	650000	33	CP-OFDM 256QAM^Inner_Full:PC2	18.05	19.00

7.1.33. Conducted Power Measurement Results(WIFI 2.4G)

Test Mode	Freq(MHz)	Conducted Power (dBm)	Tune up
11B	2412	15.30	16.00
	2437	14.88	15.00
	2462	15.07	16.00
11G	2412	14.23	15.00
	2437	14.54	15.00
	2462	14.74	15.00
11N20	2412	13.36	14.00
	2437	13.79	14.00
	2462	12.94	13.00
11N40	2422	11.69	12.00
	2437	11.70	12.00
	2452	11.17	12.00

Note:
a) Power must be measured at each transmit antenna port according to the DSSS and OFDM transmission configurations in each standalone and aggregated frequency band.
b) Power measurement is required for the transmission mode configuration with the highest maximum output power specified for production units.
1) When the same highest maximum output power specification applies to multiple transmission modes, the largest channel bandwidth configuration with the lowest order modulation and lowest data rate is measured.
2) When the same highest maximum output power is specified for multiple largest channel bandwidth configurations with the same lowest order modulation or lowest order modulation and lowest data rate, power measurement is required for all equivalent 802.11 configurations with the same maximum output power.
c) For each transmission mode configuration, power must be measured for the highest and lowest channels; and at the mid-band channel(s) when there are at least 3 channels. For configurations with multiple mid-band channels, due to an even number of channels, both channels should be measured.
802.11b Duty Cycle [%]
99.67%

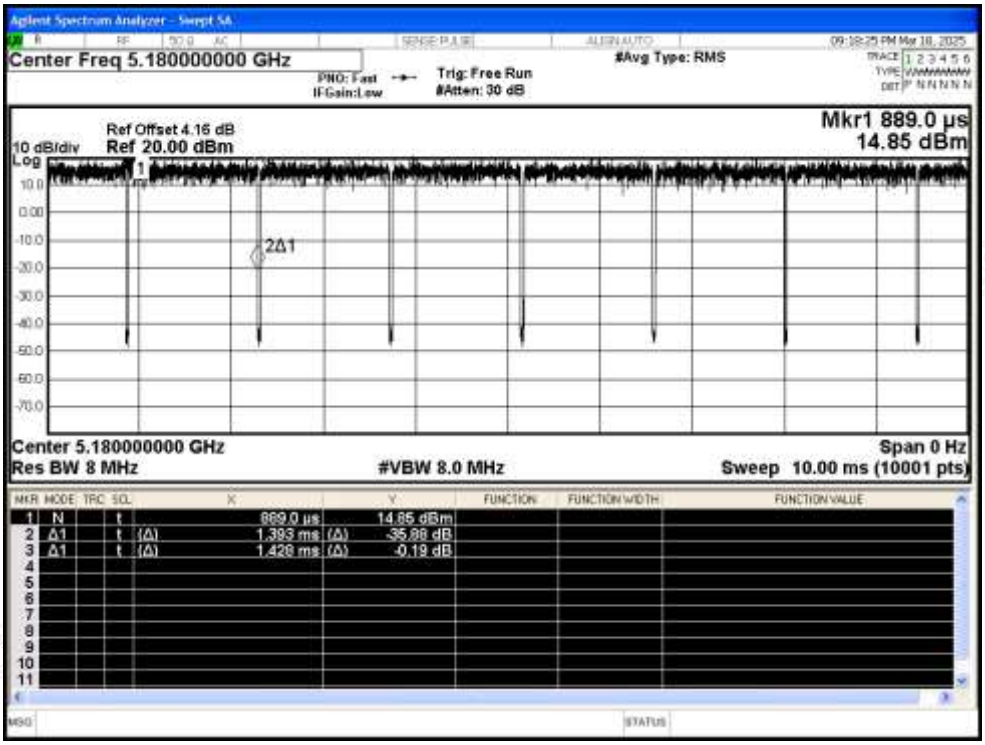


7.1.34. Conducted Power Measurement Results(WIFI 5.2G)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Tune up
NVNT	a	5180	Ant5	12.85	0.11	12.96	13.00
NVNT	a	5200	Ant5	12.22	0.11	12.33	13.00
NVNT	a	5240	Ant5	12.34	0.11	12.45	13.00
NVNT	n20	5180	Ant5	11.29	0.12	11.41	12.00
NVNT	n20	5200	Ant5	11.02	0.12	11.14	12.00
NVNT	n20	5240	Ant5	10.34	0.12	10.46	11.00
NVNT	n40	5190	Ant5	10.3	0.22	10.52	11.00
NVNT	n40	5230	Ant5	10.7	0.23	10.93	11.00
NVNT	ac20	5180	Ant5	11.4	0.11	11.51	12.00
NVNT	ac20	5200	Ant5	11.5	0.12	11.62	12.00
NVNT	ac20	5240	Ant5	12.09	0.11	12.20	13.00
NVNT	ac40	5190	Ant5	10.36	0.23	10.59	11.00
NVNT	ac40	5230	Ant5	10.68	0.22	10.90	11.00
NVNT	ac80	5210	Ant5	8.86	0.44	9.30	10.00

Note:
a) Power must be measured at each transmit antenna port according to the DSSS and OFDM transmission configurations in each standalone and aggregated frequency band.
b) Power measurement is required for the transmission mode configuration with the highest maximum output power specified for production units.
1) When the same highest maximum output power specification applies to multiple transmission modes, the largest channel bandwidth configuration with the lowest order modulation and lowest data rate is measured.
2) When the same highest maximum output power is specified for multiple largest channel bandwidth configurations with the same lowest order modulation or lowest order modulation and lowest data rate, power measurement is required for all equivalent 802.11 configurations with the same maximum output power.
c) For each transmission mode configuration, power must be measured for the highest and lowest channels; and at the mid-band channel(s) when there are at least 3 channels. For configurations with multiple mid-band channels, due to an even number of channels, both channels should be measured.
802.11a Duty Cycle [%]

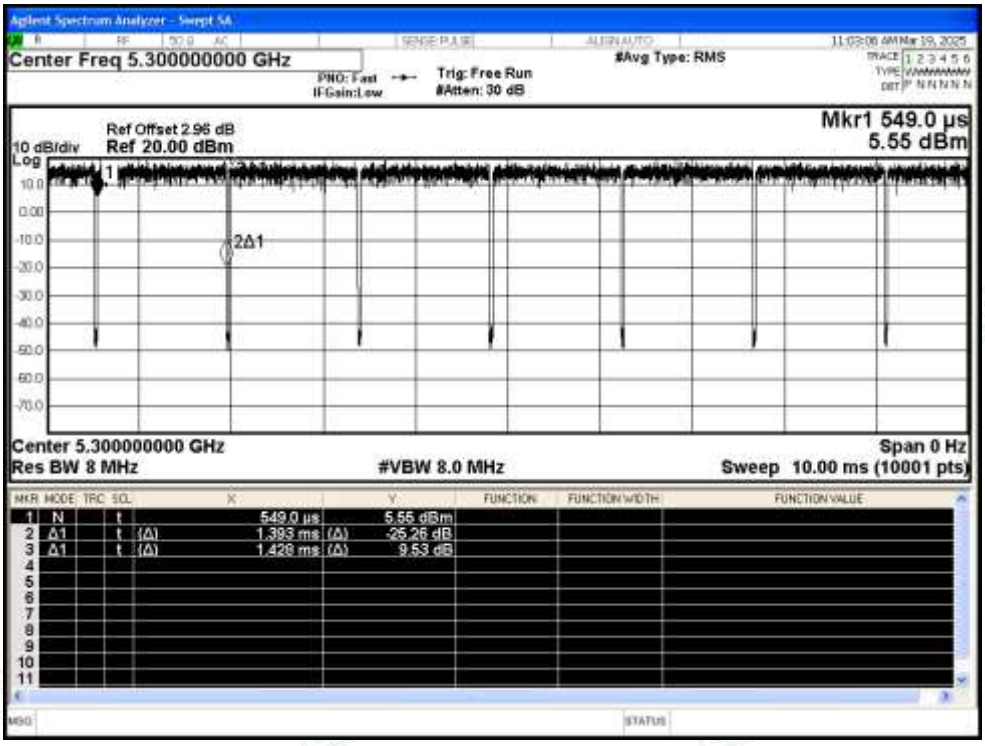
97.55%



7.1.35. Conducted Power Measurement Results(WIFI 5.3G)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Tune up
NVNT	a	5260	Ant5	12.34	0.11	12.45	13.00
NVNT	a	5300	Ant5	12.89	0.11	13.00	14.00
NVNT	a	5320	Ant5	12.84	0.11	12.95	13.00
NVNT	n20	5260	Ant5	10.74	0.12	10.86	11.00
NVNT	n20	5300	Ant5	10.98	0.12	11.10	12.00
NVNT	n20	5320	Ant5	11.08	0.12	11.20	12.00
NVNT	n40	5270	Ant5	9.58	0.22	9.80	10.00
NVNT	n40	5310	Ant5	9.83	0.23	10.06	11.00
NVNT	ac20	5260	Ant5	10.4	0.11	10.51	11.00
NVNT	ac20	5300	Ant5	10.54	0.11	10.65	11.00
NVNT	ac20	5320	Ant5	10.21	0.11	10.32	11.00
NVNT	ac40	5270	Ant5	9.59	0.23	9.82	10.00
NVNT	ac40	5310	Ant5	9.77	0.23	10.00	11.00
NVNT	ac80	5290	Ant5	9.14	0.00	9.14	10.00

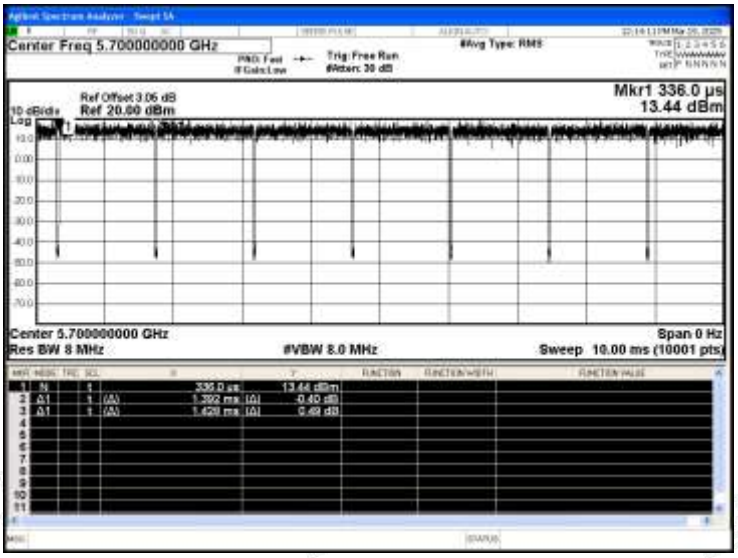
Note:
a) Power must be measured at each transmit antenna port according to the DSSS and OFDM transmission configurations in each standalone and aggregated frequency band.
b) Power measurement is required for the transmission mode configuration with the highest maximum output power specified for production units.
1) When the same highest maximum output power specification applies to multiple transmission modes, the largest channel bandwidth configuration with the lowest order modulation and lowest data rate is measured.
2) When the same highest maximum output power is specified for multiple largest channel bandwidth configurations with the same lowest order modulation or lowest order modulation and lowest data rate, power measurement is required for all equivalent 802.11 configurations with the same maximum output power.
c) For each transmission mode configuration, power must be measured for the highest and lowest channels; and at the mid-band channel(s) when there are at least 3 channels. For configurations with multiple mid-band channels, due to an even number of channels, both channels should be measured.
802.11a Duty Cycle [%]
97.55%



7.1.36. Conducted Power Measurement Results(WIFI 5.5G)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Tune up
NVNT	a	5500	Ant5	11.73	0.11	11.84	12.00
NVNT	a	5580	Ant5	11.5	0.11	11.61	12.00
NVNT	a	5700	Ant5	11.74	0.11	11.85	12.00
NVNT	n20	5500	Ant5	11.6	0.12	11.72	12.00
NVNT	n20	5580	Ant5	11.56	0.12	11.68	12.00
NVNT	n20	5700	Ant5	10.71	0.12	10.83	11.00
NVNT	n40	5510	Ant5	9.54	0.45	9.99	10.00
NVNT	n40	5550	Ant5	9.54	0.23	9.77	10.00
NVNT	n40	5670	Ant5	8.66	0.23	8.89	9.00
NVNT	ac20	5500	Ant5	10.63	0.11	10.74	11.00
NVNT	ac20	5580	Ant5	10.49	0.11	10.6	11.00
NVNT	ac20	5700	Ant5	9.60	0.12	9.72	10.00
NVNT	ac40	5510	Ant5	9.54	0.23	9.77	10.00
NVNT	ac40	5550	Ant5	9.5	0.23	9.73	10.00
NVNT	ac40	5670	Ant5	9.57	0.23	9.80	10.00
NVNT	ac80	5530	Ant5	9.16	0.43	9.59	10.00
NVNT	ac80	5610	Ant5	9.05	0.44	9.49	10.00

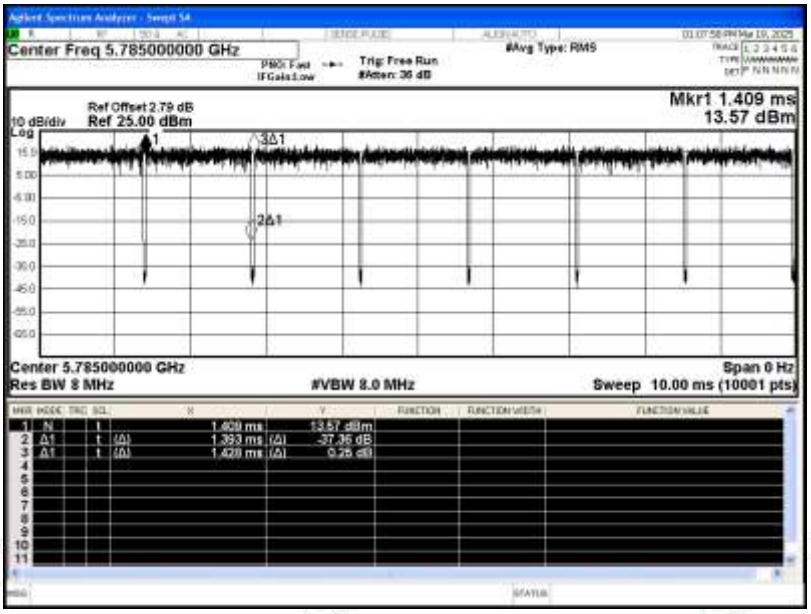
Note:
a) Power must be measured at each transmit antenna port according to the DSSS and OFDM transmission configurations in each standalone and aggregated frequency band.
b) Power measurement is required for the transmission mode configuration with the highest maximum output power specified for production units.
1) When the same highest maximum output power specification applies to multiple transmission modes, the largest channel bandwidth configuration with the lowest order modulation and lowest data rate is measured.
2) When the same highest maximum output power is specified for multiple largest channel bandwidth configurations with the same lowest order modulation or lowest order modulation and lowest data rate, power measurement is required for all equivalent 802.11 configurations with the same maximum output power.
c) For each transmission mode configuration, power must be measured for the highest and lowest channels; and at the mid-band channel(s) when there are at least 3 channels. For configurations with multiple mid-band channels, due to an even number of channels, both channels should be measured.
802.11a Duty Cycle [%]
97.48%



7.1.37. Conducted Power Measurement Results(WIFI 5.8G)

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Tune up
NVNT	a	5745	Ant5	11.55	0.11	11.66	12.00
NVNT	a	5785	Ant5	11.80	0.11	11.91	12.00
NVNT	a	5825	Ant5	11.39	0.11	11.50	12.00
NVNT	n20	5745	Ant5	11.55	0.12	11.67	12.00
NVNT	n20	5785	Ant5	11.68	0.12	11.8	12.00
NVNT	n20	5825	Ant5	11.72	0.12	11.84	12.00
NVNT	n40	5755	Ant5	10.29	0.22	10.51	11.00
NVNT	n40	5795	Ant5	9.21	0.22	9.43	10.00
NVNT	ac20	5745	Ant5	11.49	0.11	11.60	12.00
NVNT	ac20	5785	Ant5	11.67	0.12	11.79	12.00
NVNT	ac20	5825	Ant5	11.30	0.12	11.42	12.00
NVNT	ac40	5755	Ant5	10.34	0.23	10.57	11.00
NVNT	ac40	5795	Ant5	9.17	0.23	9.40	10.00
NVNT	ac80	5775	Ant5	9.06	0.44	9.50	10.00

Note:
a) Power must be measured at each transmit antenna port according to the DSSS and OFDM transmission configurations in each standalone and aggregated frequency band.
b) Power measurement is required for the transmission mode configuration with the highest maximum output power specified for production units.
1) When the same highest maximum output power specification applies to multiple transmission modes, the largest channel bandwidth configuration with the lowest order modulation and lowest data rate is measured.
2) When the same highest maximum output power is specified for multiple largest channel bandwidth configurations with the same lowest order modulation or lowest order modulation and lowest data rate, power measurement is required for all equivalent 802.11 configurations with the same maximum output power.
c) For each transmission mode configuration, power must be measured for the highest and lowest channels; and at the mid-band channel(s) when there are at least 3 channels. For configurations with multiple mid-band channels, due to an even number of channels, both channels should be measured.
802.11a Duty Cycle [%]
97.55%



7.1.38. Conducted Power Measurement Results(Bluetooth)

TestMode	Antenna	Channel	Result[dBm]	Tune up
DH5	Ant5	2402	-0.68	0.00
		2441	-0.27	0.00
		2480	-1.3	-1.00
2DH5	Ant5	2402	-1.21	-1.00
		2441	-1.57	-1.00
		2480	0.37	1.00
3DH5	Ant5	2402	-0.78	0.00
		2441	-1.31	-1.00
		2480	0.68	1.00

TestMode	Antenna	Channel	Result[dBm]	Tune up
BLE_1M	Ant5	2402	-1.07	-1.00
		2440	0.65	1.00
		2480	-0.32	0.00
BLE_2M	Ant5	2402	-1.16	-1.00
		2440	0.51	1.00
		2480	-0.48	0.00

7.2. Stand-alone SAR test evaluation

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and Product specific 10g SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition is satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.

Freq. Band	Frequency (GHz)	Position	Average Power		Test Separation (mm)	Calculate Value	Exclusion Threshold	Exclusion (Y/N)
			dBm	mW				
Bluetooth	2.48	Head	1.00	1.26	5	0.397	3	Y
		Body-worn	1.00	1.26	10	0.198	3	Y
		hotspot	1.00	1.26	10	0.198	3	Y

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where
• f(GHz) is the RF channel transmit frequency in GHz
• Power and distance are rounded to the nearest mW and mm before calculation
• The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

7.3. SAR Measurement Results

The calculated SAR is obtained by the following formula:

Reported SAR=Measured SAR*$10^{(Ptarget-Pmeasured))/10}$

Scaling factor=$10^{(Ptarget-Pmeasured))/10}$

Reported SAR= Measured SAR* Scaling factor

Where

P_{target} is the power of manufacturing upper limit;

$P_{measured}$ is the measured power;

Measured SAR is measured SAR at measured power which including power drift)

Reported SAR which including Power Drift and Scaling factor

7.3.1. SAR Results[GSM 850] ANT0

SAR Values [GSM850]								
Ch/ Freq. (MHz)	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
							Measured	Reported
measured / reported SAR numbers – Head Test data								
190/836.8	GSM	Left Cheek	32.70	33.00	0.12	1.072	0.121	0.130
190/836.8	GSM	Left Tilt	32.70	33.00	-0.04	1.072	0.063	0.068
190/836.8	GSM	Right Cheek	32.70	33.00	-0.11	1.072	**0.154**	**0.165**
190/836.8	GSM	Right Tilt	32.70	33.00	0.10	1.072	0.087	0.093
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)								
190/836.8	GPRS 3TS	Front side	29.49	30.00	-0.15	1.125	0.105	0.118
190/836.8	GPRS 3TS	Rear side	29.49	30.00	0.05	1.125	**0.181**	**0.204**
190/836.8	GPRS 3TS	Left side	29.49	30.00	0.13	1.125	0.074	0.083
190/836.8	GPRS 3TS	Right side	29.49	30.00	-0.18	1.125	0.065	0.073
190/836.8	GPRS 3TS	Bottom side	29.49	30.00	-0.04	1.125	0.137	0.154

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

● ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.

● ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.

● ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.2. SAR Results[GSM 1900] ANT3

SAR Values [GSM1900]								
Ch/ Freq. (MHz)	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
							Measured	Reported
measured / reported SAR numbers – Head Test data								
661/1880.0	GSM	Left Cheek	29.70	30.00	-0.12	1.072	0.452	0.484
661/1880.0	GSM	Left Tilt	29.70	30.00	-0.13	1.072	0.229	0.245
661/1880.0	GSM	Right Cheek	29.70	30.00	0.01	1.072	**0.624**	**0.669**
661/1880.0	GSM	Right Tilt	29.70	30.00	-0.18	1.072	0.421	0.451
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)								
512/1850.2	GPRS 3TS	Front side	26.49	27.00	-0.15	1.125	0.393	0.442
512/1850.2	GPRS 3TS	Rear side	26.49	27.00	-0.17	1.125	**0.567**	**0.638**
512/1850.2	GPRS 3TS	Left side	26.49	27.00	0.15	1.125	0.378	0.425
512/1850.2	GPRS 3TS	Top side	26.49	27.00	-0.20	1.125	0.497	0.559

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

● ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.

● ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.

● ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.3. SAR Results [WCDMA Band II] ANT3

SAR Values [WCDMA Band II]								
Ch/ Freq. (MHz)	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
							Measured	Reported
measured / reported SAR numbers – Head Test data								
9400/1880.0	RMC	Left Cheek	23.59	24.00	0.09	1.099	0.313	0.344
9400/1880.0	RMC	Left Tilt	23.59	24.00	-0.12	1.099	0.204	0.224
9400/1880.0	RMC	Right Cheek	23.59	24.00	0.11	1.099	**0.579**	**0.636**
9400/1880.0	RMC	Right Tilt	23.59	24.00	-0.10	1.099	0.381	0.419
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)								
9400/1880.0	RMC	Front side	23.59	24.00	0.03	1.099	0.368	0.404
9400/1880.0	RMC	Rear side	23.59	24.00	0.19	1.099	**0.495**	**0.544**
9400/1880.0	RMC	Left side	23.59	24.00	-0.12	1.099	0.241	0.265
9400/1880.0	RMC	Top side	23.59	24.00	0.19	1.099	0.457	0.502

Note:
1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
● ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
● ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
● ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.
3) RMC* - RMC 12.2kbps mode;
4) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.4. SAR Results [WCDMA Band IV] ANT3

SAR Values [WCDMA Band IV]								
Ch/ Freq. (MHz)	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
							Measured	Reported
measured / reported SAR numbers – Head Test data								
1312/1712.4	RMC	Left Cheek	23.60	24.00	-0.13	1.096	0.276	0.303
1312/1712.4	RMC	Left Tilt	23.60	24.00	0.01	1.096	0.101	0.111
1312/1712.4	RMC	Right Cheek	23.60	24.00	-0.04	1.096	**0.469**	**0.514**
1312/1712.4	RMC	Right Tilt	23.60	24.00	-0.02	1.096	0.205	0.225
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)								
1312/1712.4	RMC	Front side	23.60	24.00	0.10	1.096	0.389	0.427
1312/1712.4	RMC	Rear side	23.60	24.00	0.11	1.096	**0.511**	**0.560**
1312/1712.4	RMC	Left side	23.60	24.00	0.09	1.096	0.123	0.135
1312/1712.4	RMC	Top side	23.60	24.00	-0.06	1.096	0.447	0.490

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

● ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.

● ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.

● ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) RMC* - RMC 12.2kbps mode;

4) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.5. SAR Results [WCDMA Band V] ANT0

SAR Values [WCDMA Band V]								
Ch/ Freq. (MHz)	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
							Measured	Reported
measured / reported SAR numbers – Head Test data								
4233/846.6	RMC	Left Cheek	22.87	23.00	-0.03	1.030	0.121	0.125
4233/846.6	RMC	Left Tilt	22.87	23.00	0.09	1.030	0.068	0.070
4233/846.6	RMC	Right Cheek	22.87	23.00	-0.17	1.030	**0.154**	**0.159**
4233/846.6	RMC	Right Tilt	22.87	23.00	-0.17	1.030	0.079	0.081
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)								
4233/846.6	RMC	Front side	22.87	23.00	-0.16	1.030	0.162	0.167
4233/846.6	RMC	Rear side	22.87	23.00	0.15	1.030	**0.243**	**0.250**
4233/846.6	RMC	Left side	22.87	23.00	-0.08	1.030	0.083	0.086
4233/846.6	RMC	Right side	22.87	23.00	0.17	1.030	0.068	0.070
4233/846.6	RMC	Bottom side	22.87	23.00	-0.02	1.030	0.175	0.180

Note:
1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
● ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
● ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
● ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.
3) RMC* - RMC 12.2kbps mode;
4) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.6. SAR Results [LTE Band 7] ANT3

SAR Values [LTE Band 7]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head<1RB>									
20850/2510	20M	QPSK 1RB_99	Left Cheek	22.52	23.00	0.11	1.117	0.485	0.542
20850/2510	20M	QPSK 1RB_99	Left Tilt	22.52	23.00	-0.07	1.117	0.243	0.271
20850/2510	20M	QPSK 1RB_99	Right Cheek	22.52	23.00	0.09	1.117	**0.602**	**0.672**
20850/2510	20M	QPSK 1RB_99	Right Tilt	22.52	23.00	0.18	1.117	0.446	0.498
measured / reported SAR numbers – Head<50%RB>									
20850/2510	20M	QPSK 50RB_25	Left Cheek	21.42	22.00	-0.13	1.143	0.416	0.475
20850/2510	20M	QPSK 50RB_25	Left Tilt	21.42	22.00	-0.05	1.143	0.223	0.255
20850/2510	20M	QPSK 50RB_25	Right Cheek	21.42	22.00	0.15	1.143	0.579	0.662
20850/2510	20M	QPSK 50RB_25	Right Tilt	21.42	22.00	-0.02	1.143	0.395	0.451
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
20850/2510	20M	QPSK 1RB_99	Front side	22.52	23.00	0.00	1.117	0.406	0.453
20850/2510	20M	QPSK 1RB_99	Rear side	22.52	23.00	0.07	1.117	**0.539**	**0.602**
20850/2510	20M	QPSK 1RB_99	Left side	22.52	23.00	0.18	1.117	0.372	0.415
20850/2510	20M	QPSK 1RB_99	Top side	22.52	23.00	0.12	1.117	0.447	0.499
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
20850/2510	20M	QPSK 50RB_25	Front side	21.42	22.00	-0.19	1.143	0.374	0.427
20850/2510	20M	QPSK 50RB_25	Rear side	21.42	22.00	-0.08	1.143	0.492	0.562
20850/2510	20M	QPSK 50RB_25	Left side	21.42	22.00	-0.19	1.143	0.325	0.371
20850/2510	20M	QPSK 50RB_25	Top side	21.42	22.00	0.16	1.143	0.383	0.438

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.7. SAR Results [LTE Band 12] ANT0

SAR Values [LTE Band 12]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head <1RB>									
23060/704	10M	QPSK 1RB_0	Left Cheek	24.60	25.00	-0.13	1.096	**0.208**	**0.228**
23060/704	10M	QPSK 1RB_0	Left Tilt	24.60	25.00	-0.09	1.096	0.092	0.101
23060/704	10M	QPSK 1RB_0	Right Cheek	24.60	25.00	0.10	1.096	0.184	0.202
23060/704	10M	QPSK 1RB_0	Right Tilt	24.60	25.00	-0.18	1.096	0.085	0.093
measured / reported SAR numbers – Head <50%RB>									
23060/704	10M	QPSK 25RB_25	Left Cheek	23.54	24.00	0.03	1.112	0.164	0.182
23060/704	10M	QPSK 25RB_25	Left Tilt	23.54	24.00	0.17	1.112	0.077	0.085
23060/704	10M	QPSK 25RB_25	Right Cheek	23.54	24.00	-0.18	1.112	0.143	0.159
23060/704	10M	QPSK 25RB_25	Right Tilt	23.54	24.00	-0.11	1.112	0.071	0.079
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
23060/704	10M	QPSK 1RB_0	Front side	24.60	25.00	-0.01	1.096	0.182	0.200
23060/704	10M	QPSK 1RB_0	Rear side	24.60	25.00	0.11	1.096	**0.216**	**0.237**
23060/704	10M	QPSK 1RB_0	Left side	24.60	25.00	-0.05	1.096	0.057	0.062
23060/704	10M	QPSK 1RB_0	Right side	24.60	25.00	-0.10	1.096	0.064	0.070
23060/704	10M	QPSK 1RB_0	Bottom side	24.60	25.00	-0.04	1.096	0.190	0.208
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
23060/704	10M	QPSK 25RB_25	Front side	23.54	24.00	0.05	1.112	0.152	0.169
23060/704	10M	QPSK 25RB_25	Rear side	23.54	24.00	-0.20	1.112	0.180	0.200
23060/704	10M	QPSK 25RB_25	Left side	23.54	24.00	-0.14	1.112	0.037	0.041
23060/704	10M	QPSK 25RB_25	Right side	23.54	24.00	0.10	1.112	0.053	0.059
23060/704	10M	QPSK 25RB_25	Bottom side	23.54	24.00	0.07	1.112	0.159	0.177

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.8. SAR Results [LTE Band 13] ANT0

SAR Values [LTE Band 13]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head <1RB>									
23230/782	10M	QPSK 1RB_49	Left Cheek	24.29	25.00	-0.13	1.178	**0.194**	**0.228**
23230/782	10M	QPSK 1RB_49	Left Tilt	24.29	25.00	0.05	1.178	0.086	0.101
23230/782	10M	QPSK 1RB_49	Right Cheek	24.29	25.00	-0.11	1.178	0.172	0.203
23230/782	10M	QPSK 1RB_49	Right Tilt	24.29	25.00	-0.10	1.178	0.079	0.093
measured / reported SAR numbers – Head <50%RB>									
23230/782	10M	QPSK 25RB_25	Left Cheek	23.22	24.00	0.04	1.197	0.162	0.194
23230/782	10M	QPSK 25RB_25	Left Tilt	23.22	24.00	0.07	1.197	0.071	0.085
23230/782	10M	QPSK 25RB_25	Right Cheek	23.22	24.00	0.02	1.197	0.144	0.172
23230/782	10M	QPSK 25RB_25	Right Tilt	23.22	24.00	0.13	1.197	0.066	0.079
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
23230/782	10M	QPSK 1RB_49	Front side	24.29	25.00	-0.09	1.178	0.158	0.186
23230/782	10M	QPSK 1RB_49	Rear side	24.29	25.00	0.04	1.178	**0.188**	**0.221**
23230/782	10M	QPSK 1RB_49	Left side	24.29	25.00	-0.17	1.178	0.050	0.058
23230/782	10M	QPSK 1RB_49	Right side	24.29	25.00	-0.02	1.178	0.055	0.065
23230/782	10M	QPSK 1RB_49	Bottom side	24.29	25.00	0.06	1.178	0.165	0.194
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
23230/782	10M	QPSK 25RB_25	Front side	23.22	24.00	-0.02	1.197	0.132	0.158
23230/782	10M	QPSK 25RB_25	Rear side	23.22	24.00	0.04	1.197	0.157	0.188
23230/782	10M	QPSK 25RB_25	Left side	23.22	24.00	0.04	1.197	0.041	0.050
23230/782	10M	QPSK 25RB_25	Right side	23.22	24.00	-0.09	1.197	0.046	0.055
23230/782	10M	QPSK 25RB_25	Bottom side	23.22	24.00	0.11	1.197	0.138	0.165

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:
   - ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
   - ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
   - ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.9. SAR Results [LTE Band 25] ANT3

SAR Values [LTE Band 25]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head <1RB>									
26590/1905	20M	QPSK 1RB_49	Left Cheek	23.56	24.00	0.19	1.107	0.566	0.626
26590/1905	20M	QPSK 1RB_49	Left Tilt	23.56	24.00	-0.19	1.107	0.283	0.313
26590/1905	20M	QPSK 1RB_49	Right Cheek	23.56	24.00	-0.03	1.107	**0.702**	**0.777**
26590/1905	20M	QPSK 1RB_49	Right Tilt	23.56	24.00	-0.16	1.107	0.520	0.575
measured / reported SAR numbers – Head <50%RB>									
26590/1905	20M	QPSK 50RB_50	Left Cheek	22.47	23.00	0.16	1.130	0.472	0.533
26590/1905	20M	QPSK 50RB_50	Left Tilt	22.47	23.00	0.15	1.130	0.236	0.267
26590/1905	20M	QPSK 50RB_50	Right Cheek	22.47	23.00	-0.04	1.130	0.586	0.662
26590/1905	20M	QPSK 50RB_50	Right Tilt	22.47	23.00	-0.17	1.130	0.434	0.490
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
26590/1905	20M	QPSK 1RB_99	Front side	23.56	24.00	0.03	1.107	0.398	0.440
26590/1905	20M	QPSK 1RB_99	Rear side	23.56	24.00	-0.13	1.107	**0.529**	**0.585**
26590/1905	20M	QPSK 1RB_99	Left side	23.56	24.00	-0.08	1.107	0.365	0.404
26590/1905	20M	QPSK 1RB_99	Top side	23.56	24.00	0.09	1.107	0.439	0.486
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
26590/1905	20M	QPSK 1RB_49	Front side	22.47	23.00	0.14	1.130	0.332	0.375
26590/1905	20M	QPSK 1RB_49	Rear side	22.47	23.00	0.15	1.130	0.442	0.499
26590/1905	20M	QPSK 1RB_49	Left side	22.47	23.00	0.14	1.130	0.305	0.345
26590/1905	20M	QPSK 1RB_49	Top side	22.47	23.00	-0.09	1.130	0.366	0.414

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.10. SAR Results [LTE Band 26] ANT0

SAR Values [LTE Band 26]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head <1RB>									
26740/819	10M	QPSK 1RB_49	Left Cheek	24.45	25.00	-0.02	1.135	**0.191**	**0.217**
26740/819	10M	QPSK 1RB_49	Left Tilt	24.45	25.00	0.03	1.135	0.074	0.084
26740/819	10M	QPSK 1RB_49	Right Cheek	24.45	25.00	-0.05	1.135	0.154	0.175
26740/819	10M	QPSK 1RB_49	Right Tilt	24.45	25.00	-0.18	1.135	0.065	0.074
measured / reported SAR numbers – Head <50%RB>									
26740/819	10M	QPSK 25RB_25	Left Cheek	23.41	24.00	0.15	1.146	0.161	0.184
26740/819	10M	QPSK 25RB_25	Left Tilt	23.41	24.00	-0.06	1.146	0.062	0.071
26740/819	10M	QPSK 25RB_25	Right Cheek	23.41	24.00	0.10	1.146	0.129	0.148
26740/819	10M	QPSK 25RB_25	Right Tilt	23.41	24.00	0.08	1.146	0.054	0.062
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
26740/819	10M	QPSK 1RB_49	Front side	24.45	25.00	0.07	1.135	0.176	0.200
26740/819	10M	QPSK 1RB_49	Rear side	24.45	25.00	0.08	1.135	**0.199**	**0.226**
26740/819	10M	QPSK 1RB_49	Left side	24.45	25.00	0.08	1.135	0.055	0.063
26740/819	10M	QPSK 1RB_49	Right side	24.45	25.00	-0.06	1.135	0.062	0.070
26740/819	10M	QPSK 1RB_49	Bottom side	24.45	25.00	0.07	1.135	0.183	0.208
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
26740/819	10M	QPSK 25RB_25	Front side	23.41	24.00	0.04	1.146	0.147	0.168
26740/819	10M	QPSK 25RB_25	Rear side	23.41	24.00	-0.16	1.146	0.174	0.199
26740/819	10M	QPSK 25RB_25	Left side	23.41	24.00	-0.11	1.146	0.046	0.053
26740/819	10M	QPSK 25RB_25	Right side	23.41	24.00	0.05	1.146	0.051	0.059
26740/819	10M	QPSK 25RB_25	Bottom side	23.41	24.00	-0.15	1.146	0.153	0.175

SAR Values [LTE Band 26]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head <1RB>									
26965/841.5	15M	QPSK 1RB_0	Left Cheek	24.58	25.00	-0.11	1.102	**0.198**	**0.218**
26965/841.5	15M	QPSK 1RB_0	Left Tilt	24.58	25.00	-0.12	1.102	0.076	0.084
26965/841.5	15M	QPSK 1RB_0	Right Cheek	24.58	25.00	0.19	1.102	0.158	0.174
26965/841.5	15M	QPSK 1RB_0	Right Tilt	24.58	25.00	-0.04	1.102	0.067	0.073
measured / reported SAR numbers – Head <50%RB>									
26865/831.5	15M	QPSK 38RB_18	Left Cheek	23.55	24.00	-0.19	1.109	0.165	0.183
26865/831.5	15M	QPSK 38RB_18	Left Tilt	23.55	24.00	0.04	1.109	0.063	0.070
26865/831.5	15M	QPSK 38RB_18	Right Cheek	23.55	24.00	-0.11	1.109	0.132	0.146
26865/831.5	15M	QPSK 38RB_18	Right Tilt	23.55	24.00	0.04	1.109	0.056	0.062
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
26965/841.5	15M	QPSK 1RB_0	Front side	24.58	25.00	0.04	1.102	0.185	0.204
26965/841.5	15M	QPSK 1RB_0	Rear side	24.58	25.00	0.10	1.102	**0.209**	**0.230**
26965/841.5	15M	QPSK 1RB_0	Left side	24.58	25.00	0.08	1.102	0.058	0.064
26965/841.5	15M	QPSK 1RB_0	Right side	24.58	25.00	-0.17	1.102	0.065	0.071
26965/841.5	15M	QPSK 1RB_0	Bottom side	24.58	25.00	0.13	1.102	0.192	0.211
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
26865/831.5	15M	QPSK 38RB_18	Front side	23.55	24.00	0.12	1.109	0.154	0.171

26865/831.5	15M	QPSK 38RB_18	Rear side	23.55	24.00	-0.01	1.109	0.174	0.193
26865/831.5	15M	QPSK 38RB_18	Left side	23.55	24.00	0.15	1.109	0.048	0.054
26865/831.5	15M	QPSK 38RB_18	Right side	23.55	24.00	0.03	1.109	0.054	0.060
26865/831.5	15M	QPSK 38RB_18	Bottom side	23.55	24.00	0.01	1.109	0.160	0.177

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.1
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.11. SAR Results [LTE Band 41] ANT3

SAR Values [LTE Band 41]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head<1RB>									
40620/2593	20M	QPSK 1RB_49	Left Cheek	21.73	22.00	-0.02	1.064	0.389	0.414
40620/2593	20M	QPSK 1RB_49	Left Tilt	21.73	22.00	-0.09	1.064	0.241	0.256
40620/2593	20M	QPSK 1RB_49	Right Cheek	21.73	22.00	0.14	1.064	**0.631**	**0.671**
40620/2593	20M	QPSK 1RB_49	Right Tilt	21.73	22.00	-0.02	1.064	0.344	0.366
measured / reported SAR numbers – Head<50%RB>									
40620/2593	20M	QPSK 50RB_0	Left Cheek	20.70	21.00	-0.16	1.072	0.325	0.348
40620/2593	20M	QPSK 50RB_0	Left Tilt	20.70	21.00	-0.14	1.072	0.201	0.215
40620/2593	20M	QPSK 50RB_0	Right Cheek	20.70	21.00	0.09	1.072	0.527	0.565
40620/2593	20M	QPSK 50RB_0	Right Tilt	20.70	21.00	0.14	1.072	0.287	0.308
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
40620/2593	20M	QPSK 1RB_49	Front side	21.73	22.00	0.08	1.064	0.518	0.551
40620/2593	20M	QPSK 1RB_49	Rear side	21.73	22.00	0.05	1.064	**0.688**	**0.732**
40620/2593	20M	QPSK 1RB_49	Left side	21.73	22.00	0.19	1.064	0.475	0.505
40620/2593	20M	QPSK 1RB_49	Top side	21.73	22.00	-0.06	1.064	0.571	0.608
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
40620/2593	20M	QPSK 50RB_0	Front side	20.70	21.00	-0.17	1.072	0.432	0.463
40620/2593	20M	QPSK 50RB_0	Rear side	20.70	21.00	-0.15	1.072	0.574	0.615
40620/2593	20M	QPSK 50RB_0	Left side	20.70	21.00	-0.07	1.072	0.396	0.424
40620/2593	20M	QPSK 50RB_0	Top side	20.70	21.00	0.06	1.072	0.477	0.511

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.12. SAR Results [LTE Band 66] ANT3

SAR Values [LTE Band 66]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head<1RB>									
132572/1770	20M	QPSK 1RB_99	Left Cheek	23.26	24.00	0.16	1.186	0.419	0.497
132572/1770	20M	QPSK 1RB_99	Left Tilt	23.26	24.00	0.04	1.186	0.259	0.307
132572/1770	20M	QPSK 1RB_99	Right Cheek	23.26	24.00	-0.15	1.186	**0.669**	**0.793**
132572/1770	20M	QPSK 1RB_99	Right Tilt	23.26	24.00	0.18	1.186	0.370	0.439
measured / reported SAR numbers – Head<50%RB>									
132572/1770	20M	QPSK 50RB_50	Left Cheek	22.16	23.00	0.12	1.213	0.350	0.425
132572/1770	20M	QPSK 50RB_50	Left Tilt	22.16	23.00	0.04	1.213	0.216	0.262
132572/1770	20M	QPSK 50RB_50	Right Cheek	22.16	23.00	-0.07	1.213	0.567	0.688
132572/1770	20M	QPSK 50RB_50	Right Tilt	22.16	23.00	-0.02	1.213	0.309	0.375
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
132572/1770	20M	QPSK 1RB_99	Front side	23.26	24.00	-0.02	1.186	0.375	0.445
132572/1770	20M	QPSK 1RB_99	Rear side	23.26	24.00	0.17	1.186	**0.498**	**0.591**
132572/1770	20M	QPSK 1RB_99	Left side	23.26	24.00	-0.09	1.186	0.344	0.408
132572/1770	20M	QPSK 1RB_99	Top side	23.26	24.00	0.11	1.186	0.413	0.490
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
132572/1770	20M	QPSK 50RB_50	Front side	22.16	23.00	-0.10	1.213	0.313	0.380
132572/1770	20M	QPSK 50RB_50	Rear side	22.16	23.00	-0.11	1.213	0.416	0.505
132572/1770	20M	QPSK 50RB_50	Left side	22.16	23.00	0.03	1.213	0.287	0.348
132572/1770	20M	QPSK 50RB_50	Top side	22.16	23.00	-0.12	1.213	0.345	0.419

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

● ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.

● ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.

● ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) RMC* - RMC 12.2kbps mode;

4) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.13. SAR Results [LTE Band 71] ANT0

SAR Values [LTE Band 71]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head <1RB>									
133372/688	20M	QPSK 1RB_0	Left Cheek	24.68	25.00	0.15	1.076	**0.157**	**0.169**
133372/688	20M	QPSK 1RB_0	Left Tilt	24.68	25.00	0.19	1.076	0.060	0.065
133372/688	20M	QPSK 1RB_0	Right Cheek	24.68	25.00	0.18	1.076	0.125	0.135
133372/688	20M	QPSK 1RB_0	Right Tilt	24.68	25.00	0.10	1.076	0.053	0.057
measured / reported SAR numbers – Head <50%RB>									
133322/683	20M	QPSK 50RB_0	Left Cheek	23.62	24.00	0.19	1.091	0.131	0.143
133322/683	20M	QPSK 50RB_0	Left Tilt	23.62	24.00	-0.02	1.091	0.050	0.055
133322/683	20M	QPSK 50RB_0	Right Cheek	23.62	24.00	0.17	1.091	0.104	0.114
133322/683	20M	QPSK 50RB_0	Right Tilt	23.62	24.00	0.07	1.091	0.044	0.048
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
133372/688	20M	QPSK 1RB_0	Front side	24.68	25.00	-0.16	1.076	0.163	0.175
133372/688	20M	QPSK 1RB_0	Rear side	24.68	25.00	0.10	1.076	**0.184**	**0.198**
133372/688	20M	QPSK 1RB_0	Left side	24.68	25.00	-0.19	1.076	0.051	0.055
133372/688	20M	QPSK 1RB_0	Right side	24.68	25.00	-0.08	1.076	0.057	0.061
133372/688	20M	QPSK 1RB_0	Bottom side	24.68	25.00	0.19	1.076	0.169	0.182
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
133322/683	20M	QPSK 50RB_0	Front side	23.62	24.00	-0.18	1.091	0.136	0.148
133322/683	20M	QPSK 50RB_0	Rear side	23.62	24.00	-0.15	1.091	0.154	0.168
133322/683	20M	QPSK 50RB_0	Left side	23.62	24.00	-0.01	1.091	0.043	0.046
133322/683	20M	QPSK 50RB_0	Right side	23.62	24.00	-0.02	1.091	0.048	0.052
133372/688	20M	QPSK 1RB_0	Bottom side	23.62	24.00	0.04	1.091	0.141	0.154

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.14. SAR Results [NR Band 2] ANT3

SAR Values [NR Band 2]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{10-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head<1RB>									
378000/1890	40M	OFDM QPSK_1RB	Left Cheek	21.64	22.00	-0.10	1.086	0.394	0.428
378000/1890	40M	OFDM QPSK_1RB	Left Tilt	21.64	22.00	0.04	1.086	0.204	0.222
378000/1890	40M	OFDM QPSK_1RB	Right Cheek	21.64	22.00	0.12	1.086	**0.547**	**0.594**
378000/1890	40M	OFDM QPSK_1RB	Right Tilt	21.64	22.00	0.12	1.086	0.383	0.416
measured / reported SAR numbers – Head<50%RB>									
374000/1870	40M	OFDM QPSK_50RB	Left Cheek	21.76	22.00	-0.05	1.057	0.373	0.394
374000/1870	40M	OFDM QPSK_50RB	Left Tilt	21.76	22.00	0.12	1.057	0.193	0.204
374000/1870	40M	OFDM QPSK_50RB	Right Cheek	21.76	22.00	0.19	1.057	0.517	0.546
374000/1870	40M	OFDM QPSK_50RB	Right Tilt	21.76	22.00	-0.12	1.057	0.362	0.383
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
378000/1890	40M	OFDM QPSK_1RB	Front side	21.64	22.00	0.08	1.086	0.436	0.474
378000/1890	40M	OFDM QPSK_1RB	Rear side	21.64	22.00	0.09	1.086	**0.713**	**0.775**
378000/1890	40M	OFDM QPSK_1RB	Left side	21.64	22.00	-0.12	1.086	0.251	0.273
378000/1890	40M	OFDM QPSK_1RB	Top side	21.64	22.00	0.01	1.086	0.512	0.556
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
374000/1870	40M	OFDM QPSK_50RB	Front side	21.76	22.00	0.19	1.057	0.412	0.435
374000/1870	40M	OFDM QPSK_50RB	Rear side	21.76	22.00	-0.07	1.057	0.674	0.712
374000/1870	40M	OFDM QPSK_50RB	Left side	21.76	22.00	0.10	1.057	0.237	0.250
374000/1870	40M	OFDM QPSK_50RB	Top side	21.76	22.00	-0.07	1.057	0.484	0.511

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.15. SAR Results [NR Band 5] ANT0

SAR Values [NR Band 5]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{10-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head<1RB>									
165800/829	20M	OFDM QPSK_1RB	Left Cheek	22.70	23.00	0.14	1.072	**0.183**	**0.196**
165800/829	20M	OFDM QPSK_1RB	Left Tilt	22.70	23.00	-0.19	1.072	0.105	0.113
165800/829	20M	OFDM QPSK_1RB	Right Cheek	22.70	23.00	0.10	1.072	0.124	0.133
165800/829	20M	OFDM QPSK_1RB	Right Tilt	22.70	23.00	-0.11	1.072	0.083	0.089
measured / reported SAR numbers – Head<50%RB>									
165800/829	20M	OFDM QPSK_50RB	Left Cheek	22.67	23.00	-0.12	1.079	0.176	0.190
165800/829	20M	OFDM QPSK_50RB	Left Tilt	22.67	23.00	-0.06	1.079	0.078	0.084
165800/829	20M	OFDM QPSK_50RB	Right Cheek	22.67	23.00	0.11	1.079	0.132	0.142
165800/829	20M	OFDM QPSK_50RB	Right Tilt	22.67	23.00	-0.16	1.079	0.086	0.093
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
165800/829	20M	OFDM QPSK_1RB	Front side	22.70	23.00	0.15	1.072	0.102	0.109
165800/829	20M	OFDM QPSK_1RB	Rear side	22.70	23.00	-0.19	1.072	**0.187**	**0.200**
165800/829	20M	OFDM QPSK_1RB	Left side	22.70	23.00	0.06	1.072	0.063	0.068
165800/829	20M	OFDM QPSK_1RB	Right side	22.70	23.00	0.00	1.072	0.074	0.079
165800/829	20M	OFDM QPSK_1RB	Bottom side	22.70	23.00	-0.14	1.072	0.135	0.145
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
165800/829	20M	OFDM QPSK_50RB	Front side	22.67	23.00	0.13	1.079	0.121	0.131
165800/829	20M	OFDM QPSK_50RB	Rear side	22.67	23.00	-0.06	1.079	0.184	0.199
165800/829	20M	OFDM QPSK_50RB	Left side	22.67	23.00	0.03	1.079	0.059	0.064
165800/829	20M	OFDM QPSK_50RB	Right side	22.67	23.00	0.16	1.079	0.072	0.078
165800/829	20M	OFDM QPSK_50RB	Bottom side	22.67	23.00	-0.19	1.079	0.138	0.149

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.16. SAR Results [NR Band 7] ANT3

SAR Values [NR Band 7]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{10-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head<1RB>									
509000/2545	50M	OFDM QPSK_1RB	Left Cheek	20.23	21.00	0.16	1.194	0.377	0.450
509000/2545	50M	OFDM QPSK_1RB	Left Tilt	20.23	21.00	0.03	1.194	0.195	0.233
509000/2545	50M	OFDM QPSK_1RB	Right Cheek	20.23	21.00	0.15	1.194	**0.523**	**0.624**
509000/2545	50M	OFDM QPSK_1RB	Right Tilt	20.23	21.00	-0.09	1.194	0.366	0.437
measured / reported SAR numbers – Head<50%RB>									
505000/2525	50M	OFDM QPSK_50RB	Left Cheek	20.30	21.00	0.18	1.175	0.357	0.419
505000/2525	50M	OFDM QPSK_50RB	Left Tilt	20.30	21.00	-0.04	1.175	0.184	0.216
505000/2525	50M	OFDM QPSK_50RB	Right Cheek	20.30	21.00	0.02	1.175	0.495	0.582
505000/2525	50M	OFDM QPSK_50RB	Right Tilt	20.30	21.00	-0.16	1.175	0.346	0.407
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
509000/2545	50M	OFDM QPSK_1RB	Front side	20.23	21.00	0.09	1.194	0.341	0.407
509000/2545	50M	OFDM QPSK_1RB	Rear side	20.23	21.00	-0.10	1.194	**0.557**	**0.665**
509000/2545	50M	OFDM QPSK_1RB	Left side	20.23	21.00	0.08	1.194	0.196	0.234
509000/2545	50M	OFDM QPSK_1RB	Top side	20.23	21.00	0.13	1.194	0.400	0.478
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
505000/2525	50M	OFDM QPSK_50RB	Front side	20.30	21.00	0.04	1.175	0.323	0.379
505000/2525	50M	OFDM QPSK_50RB	Rear side	20.30	21.00	-0.03	1.175	0.527	0.619
505000/2525	50M	OFDM QPSK_50RB	Left side	20.30	21.00	-0.11	1.175	0.185	0.217
505000/2525	50M	OFDM QPSK_50RB	Top side	20.30	21.00	-0.02	1.175	0.378	0.444

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.17. SAR Results [NR Band 25] ANT0

SAR Values [NR Band 25]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	$SAR_{10\text{-}g}$ results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head<1RB>									
374000/1870	40M	OFDM QPSK_1RB	Left Cheek	21.60	22.00	-0.03	1.096	0.535	0.587
374000/1870	40M	OFDM QPSK_1RB	Left Tilt	21.60	22.00	0.11	1.096	0.267	0.293
374000/1870	40M	OFDM QPSK_1RB	Right Cheek	21.60	22.00	0.04	1.096	**0.663**	**0.727**
374000/1870	40M	OFDM QPSK_1RB	Right Tilt	21.60	22.00	-0.07	1.096	0.491	0.538
measured / reported SAR numbers – Head<50%RB>									
374000/1870	40M	OFDM QPSK_50RB	Left Cheek	21.70	22.00	-0.11	1.072	0.506	0.542
374000/1870	40M	OFDM QPSK_50RB	Left Tilt	21.70	22.00	0.18	1.072	0.253	0.271
374000/1870	40M	OFDM QPSK_50RB	Right Cheek	21.70	22.00	0.07	1.072	0.627	0.672
374000/1870	40M	OFDM QPSK_50RB	Right Tilt	21.70	22.00	-0.15	1.072	0.464	0.497
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
374000/1870	40M	OFDM QPSK_1RB	Front side	21.60	22.00	-0.01	1.096	0.375	0.411
374000/1870	40M	OFDM QPSK_1RB	Rear side	21.60	22.00	-0.07	1.096	**0.498**	**0.546**
374000/1870	40M	OFDM QPSK_1RB	Left side	21.60	22.00	-0.15	1.096	0.344	0.377
374000/1870	40M	OFDM QPSK_1RB	Top side	21.60	22.00	0.08	1.096	0.413	0.453
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
374000/1870	40M	OFDM QPSK_50RB	Front side	21.70	22.00	0.17	1.072	0.355	0.380
374000/1870	40M	OFDM QPSK_50RB	Rear side	21.70	22.00	0.09	1.072	0.471	0.505
374000/1870	40M	OFDM QPSK_50RB	Left side	21.70	22.00	0.01	1.072	0.325	0.348
374000/1870	40M	OFDM QPSK_50RB	Top side	21.70	22.00	0.16	1.072	0.391	0.419

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.18. SAR Results [NR Band 26] ANT0

SAR Values [NR Band 26]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{10-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head<1RB>									
163800/819	10M	OFDM QPSK_1RB	Left Cheek	22.69	23.00	0.05	1.074	**0.184**	**0.198**
163800/819	10M	OFDM QPSK_1RB	Left Tilt	22.69	23.00	0.19	1.074	0.071	0.076
163800/819	10M	OFDM QPSK_1RB	Right Cheek	22.69	23.00	0.18	1.074	0.147	0.158
163800/819	10M	OFDM QPSK_1RB	Right Tilt	22.69	23.00	0.07	1.074	0.062	0.067
measured / reported SAR numbers – Head<50%RB>									
163800/819	10M	OFDM QPSK_50RB	Left Cheek	22.73	23.00	-0.15	1.064	0.178	0.189
163800/819	10M	OFDM QPSK_50RB	Left Tilt	22.73	23.00	0.12	1.064	0.068	0.073
163800/819	10M	OFDM QPSK_50RB	Right Cheek	22.73	23.00	-0.04	1.064	0.142	0.151
163800/819	10M	OFDM QPSK_50RB	Right Tilt	22.73	23.00	-0.14	1.064	0.060	0.064
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
163800/819	10M	OFDM QPSK_1RB	Front side	22.69	23.00	0.03	1.074	0.157	0.169
163800/819	10M	OFDM QPSK_1RB	Rear side	22.69	23.00	0.13	1.074	**0.178**	**0.191**
163800/819	10M	OFDM QPSK_1RB	Left side	22.69	23.00	0.03	1.074	0.049	0.053
163800/819	10M	OFDM QPSK_1RB	Right side	22.69	23.00	0.12	1.074	0.056	0.060
163800/819	10M	OFDM QPSK_1RB	Bottom side	22.69	23.00	-0.04	1.074	0.164	0.176
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
163800/819	10M	OFDM QPSK_50RB	Front side	22.73	23.00	0.13	1.064	0.152	0.162
163800/819	10M	OFDM QPSK_50RB	Rear side	22.73	23.00	0.08	1.064	0.172	0.183
163800/819	10M	OFDM QPSK_50RB	Left side	22.73	23.00	-0.02	1.064	0.048	0.051
163800/819	10M	OFDM QPSK_50RB	Right side	22.73	23.00	0.16	1.064	0.054	0.057
163800/819	10M	OFDM QPSK_50RB	Bottom side	22.73	23.00	0.15	1.064	0.159	0.169

SAR Values [NR Band 26]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{10-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head<1RB>									
167800/839	20M	OFDM QPSK_1RB	Left Cheek	22.70	23.00	0.15	1.072	**0.192**	**0.206**
167800/839	20M	OFDM QPSK_1RB	Left Tilt	22.70	23.00	-0.09	1.072	0.074	0.079
167800/839	20M	OFDM QPSK_1RB	Right Cheek	22.70	23.00	0.16	1.072	0.153	0.164
167800/839	20M	OFDM QPSK_1RB	Right Tilt	22.70	23.00	-0.04	1.072	0.065	0.070
measured / reported SAR numbers – Head<50%RB>									
166800/834	20M	OFDM QPSK_50RB	Left Cheek	22.66	23.00	0.06	1.081	0.186	0.201
166800/834	20M	OFDM QPSK_50RB	Left Tilt	22.66	23.00	0.18	1.081	0.071	0.077
166800/834	20M	OFDM QPSK_50RB	Right Cheek	22.66	23.00	0.12	1.081	0.148	0.160
166800/834	20M	OFDM QPSK_50RB	Right Tilt	22.66	23.00	0.17	1.081	0.063	0.068
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
167800/839	20M	OFDM QPSK_1RB	Front side	22.70	23.00	0.08	1.072	0.179	0.192
167800/839	20M	OFDM QPSK_1RB	Rear side	22.70	23.00	0.09	1.072	**0.202**	**0.216**
167800/839	20M	OFDM QPSK_1RB	Left side	22.70	23.00	0.01	1.072	0.056	0.060
167800/839	20M	OFDM QPSK_1RB	Right side	22.70	23.00	-0.17	1.072	0.063	0.067
167800/839	20M	OFDM QPSK_1RB	Bottom side	22.70	23.00	-0.15	1.072	0.186	0.199
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									

166800/834	20M	OFDM QPSK_50RB	Front side	22.66	23.00	0.09	1.081	0.173	0.187
166800/834	20M	OFDM QPSK_50RB	Rear side	22.66	23.00	-0.15	1.081	0.195	0.211
166800/834	20M	OFDM QPSK_50RB	Left side	22.66	23.00	-0.18	1.081	0.054	0.059
166800/834	20M	OFDM QPSK_50RB	Right side	22.66	23.00	0.09	1.081	0.061	0.066
166800/834	20M	OFDM QPSK_50RB	Bottom side	22.66	23.00	-0.09	1.081	0.180	0.195

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.19. SAR Results [NR Band 38] ANT3

SAR Values [NR Band 38]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{10-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head<1RB>									
520000/2600	40M	OFDM QPSK_1RB	Left Cheek	21.12	22.00	-0.09	1.225	0.362	0.443
520000/2600	40M	OFDM QPSK_1RB	Left Tilt	21.12	22.00	-0.19	1.225	0.224	0.274
520000/2600	40M	OFDM QPSK_1RB	Right Cheek	21.12	22.00	-0.03	1.225	**0.587**	**0.719**
520000/2600	40M	OFDM QPSK_1RB	Right Tilt	21.12	22.00	-0.07	1.225	0.320	0.392
measured / reported SAR numbers – Head<50%RB>									
520000/2600	40M	OFDM QPSK_50RB	Left Cheek	21.03	22.00	0.18	1.250	0.350	0.438
520000/2600	40M	OFDM QPSK_50RB	Left Tilt	21.03	22.00	-0.18	1.250	0.217	0.271
520000/2600	40M	OFDM QPSK_50RB	Right Cheek	21.03	22.00	-0.03	1.250	0.568	0.710
520000/2600	40M	OFDM QPSK_50RB	Right Tilt	21.03	22.00	-0.16	1.250	0.310	0.388
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
520000/2600	40M	OFDM QPSK_1RB	Front side	21.12	22.00	-0.03	1.225	0.452	0.554
520000/2600	40M	OFDM QPSK_1RB	Rear side	21.12	22.00	0.11	1.225	**0.601**	**0.736**
520000/2600	40M	OFDM QPSK_1RB	Left side	21.12	22.00	-0.07	1.225	0.415	0.508
520000/2600	40M	OFDM QPSK_1RB	Top side	21.12	22.00	-0.14	1.225	0.499	0.611
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
520000/2600	40M	OFDM QPSK_50RB	Front side	21.03	22.00	-0.17	1.250	0.438	0.548
520000/2600	40M	OFDM QPSK_50RB	Rear side	21.03	22.00	0.11	1.250	0.582	0.728
520000/2600	40M	OFDM QPSK_50RB	Left side	21.03	22.00	-0.11	1.250	0.402	0.503
520000/2600	40M	OFDM QPSK_50RB	Top side	21.03	22.00	-0.07	1.250	0.483	0.604

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.20. SAR Results [NR Band 41] ANT3

SAR Values [NR Band 41]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	$SAR_{10\text{-}g}$ results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head<1RB>									
518598/2592.99	100M	OFDM QPSK_1RB	Left Cheek	21.25	22.00	0.06	1.189	0.331	0.393
518598/2592.99	100M	OFDM QPSK_1RB	Left Tilt	21.25	22.00	0.18	1.189	0.205	0.244
518598/2592.99	100M	OFDM QPSK_1RB	Right Cheek	21.25	22.00	0.02	1.189	**0.537**	**0.638**
518598/2592.99	100M	OFDM QPSK_1RB	Right Tilt	21.25	22.00	-0.01	1.189	0.293	0.348
measured / reported SAR numbers – Head<50%RB>									
528000/2640	100M	OFDM QPSK_50RB	Left Cheek	21.02	22.00	0.11	1.253	0.322	0.404
528000/2640	100M	OFDM QPSK_50RB	Left Tilt	21.02	22.00	0.10	1.253	0.199	0.249
528000/2640	100M	OFDM QPSK_50RB	Right Cheek	21.02	22.00	-0.01	1.253	0.522	0.654
528000/2640	100M	OFDM QPSK_50RB	Right Tilt	21.02	22.00	-0.03	1.253	0.285	0.357
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
518598/2592.99	100M	OFDM QPSK_1RB	Front side	21.25	22.00	-0.02	1.189	0.484	0.575
518598/2592.99	100M	OFDM QPSK_1RB	Rear side	21.25	22.00	-0.19	1.189	**0.643**	**0.764**
518598/2592.99	100M	OFDM QPSK_1RB	Left side	21.25	22.00	0.06	1.189	0.444	0.528
518598/2592.99	100M	OFDM QPSK_1RB	Top side	21.25	22.00	0.05	1.189	0.534	0.635
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
528000/2640	100M	OFDM QPSK_50RB	Front side	21.02	22.00	0.12	1.253	0.470	0.589
528000/2640	100M	OFDM QPSK_50RB	Rear side	21.02	22.00	-0.01	1.253	0.625	0.783
528000/2640	100M	OFDM QPSK_50RB	Left side	21.02	22.00	-0.05	1.253	0.432	0.541
528000/2640	100M	OFDM QPSK_50RB	Top side	21.02	22.00	-0.16	1.253	0.519	0.650

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.21. SAR Results [NR Band 66] ANT3

SAR Values [NR Band 66]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{10-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head<1RB>									
349000/1745	40M	OFDM QPSK_1RB	Left Cheek	21.72	22.00	0.06	1.067	0.378	0.403
349000/1745	40M	OFDM QPSK_1RB	Left Tilt	21.72	22.00	0.18	1.067	0.234	0.250
349000/1745	40M	OFDM QPSK_1RB	Right Cheek	21.72	22.00	0.02	1.067	**0.613**	**0.654**
349000/1745	40M	OFDM QPSK_1RB	Right Tilt	21.72	22.00	-0.01	1.067	0.334	0.356
measured / reported SAR numbers – Head<50%RB>									
349000/1745	40M	OFDM QPSK_50RB	Left Cheek	21.79	22.00	0.11	1.050	0.367	0.385
349000/1745	40M	OFDM QPSK_50RB	Left Tilt	21.79	22.00	0.10	1.050	0.227	0.238
349000/1745	40M	OFDM QPSK_50RB	Right Cheek	21.79	22.00	-0.01	1.050	0.596	0.626
349000/1745	40M	OFDM QPSK_50RB	Right Tilt	21.79	22.00	-0.03	1.050	0.325	0.341
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
349000/1745	40M	OFDM QPSK_1RB	Front side	21.72	22.00	-0.02	1.067	0.326	0.348
349000/1745	40M	OFDM QPSK_1RB	Rear side	21.72	22.00	-0.19	1.067	**0.433**	**0.462**
349000/1745	40M	OFDM QPSK_1RB	Left side	21.72	22.00	0.06	1.067	0.299	0.319
349000/1745	40M	OFDM QPSK_1RB	Top side	21.72	22.00	0.05	1.067	0.359	0.383
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
349000/1745	40M	OFDM QPSK_50RB	Front side	21.79	22.00	0.12	1.050	0.317	0.333
349000/1745	40M	OFDM QPSK_50RB	Rear side	21.79	22.00	-0.01	1.050	0.421	0.442
349000/1745	40M	OFDM QPSK_50RB	Left side	21.79	22.00	-0.05	1.050	0.291	0.305
349000/1745	40M	OFDM QPSK_50RB	Top side	21.79	22.00	-0.16	1.050	0.349	0.366

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.22. SAR Results [NR Band 71] ANT0

SAR Values [NR Band 71]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{10-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head<1RB>									
137600/688	20M	OFDM QPSK_1RB	Left Cheek	22.84	23.00	-0.12	1.038	**0.163**	**0.169**
137600/688	20M	OFDM QPSK_1RB	Left Tilt	22.84	23.00	-0.03	1.038	0.062	0.065
137600/688	20M	OFDM QPSK_1RB	Right Cheek	22.84	23.00	-0.18	1.038	0.130	0.135
137600/688	20M	OFDM QPSK_1RB	Right Tilt	22.84	23.00	-0.01	1.038	0.055	0.057
measured / reported SAR numbers – Head<50%RB>									
134600/673	20M	OFDM QPSK_50RB	Left Cheek	22.85	23.00	0.01	1.035	0.159	0.165
134600/673	20M	OFDM QPSK_50RB	Left Tilt	22.85	23.00	0.05	1.035	0.061	0.063
134600/673	20M	OFDM QPSK_50RB	Right Cheek	22.85	23.00	-0.06	1.035	0.127	0.131
134600/673	20M	OFDM QPSK_50RB	Right Tilt	22.85	23.00	-0.15	1.035	0.054	0.056
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
137600/688	20M	OFDM QPSK_1RB	Front side	22.84	23.00	-0.15	1.038	0.156	0.162
137600/688	20M	OFDM QPSK_1RB	Rear side	22.84	23.00	0.13	1.038	**0.176**	**0.183**
137600/688	20M	OFDM QPSK_1RB	Left side	22.84	23.00	0.11	1.038	0.049	0.051
137600/688	20M	OFDM QPSK_1RB	Right side	22.84	23.00	-0.04	1.038	0.055	0.057
137600/688	20M	OFDM QPSK_1RB	Bottom side	22.84	23.00	0.05	1.038	0.162	0.168
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
134600/673	20M	OFDM QPSK_50RB	Front side	22.85	23.00	0.17	1.035	0.152	0.157
134600/673	20M	OFDM QPSK_50RB	Rear side	22.85	23.00	-0.12	1.035	0.172	0.178
134600/673	20M	OFDM QPSK_50RB	Left side	22.85	23.00	-0.11	1.035	0.048	0.049
134600/673	20M	OFDM QPSK_50RB	Right side	22.85	23.00	-0.02	1.035	0.053	0.055
134600/673	20M	OFDM QPSK_50RB	Bottom side	22.85	23.00	0.11	1.035	0.158	0.164

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
- ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.23. SAR Results [NR Band 77] ANT4

SAR Values [NR Band 77]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{10-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head<1RB>									
633332/3499.98	100M	OFDM QPSK_1RB	Left Cheek	24.28	25.00	-0.15	1.180	**0.648**	**0.765**
633332/3499.98	100M	OFDM QPSK_1RB	Left Tilt	24.28	25.00	-0.04	1.180	0.234	0.276
633332/3499.98	100M	OFDM QPSK_1RB	Right Cheek	24.28	25.00	0.08	1.180	0.625	0.738
633332/3499.98	100M	OFDM QPSK_1RB	Right Tilt	24.28	25.00	0.18	1.180	0.218	0.257
measured / reported SAR numbers – Head<50%RB>									
633332/3499.98	100M	OFDM QPSK_50RB	Left Cheek	24.19	25.00	0.08	1.205	0.632	0.762
633332/3499.98	100M	OFDM QPSK_50RB	Left Tilt	24.19	25.00	0.11	1.205	0.228	0.275
633332/3499.98	100M	OFDM QPSK_50RB	Right Cheek	24.19	25.00	0.11	1.205	0.610	0.735
633332/3499.98	100M	OFDM QPSK_50RB	Right Tilt	24.19	25.00	0.04	1.205	0.213	0.257
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
633332/3499.98	100M	OFDM QPSK_1RB	Front side	24.28	25.00	0.02	1.180	0.237	0.280
633332/3499.98	100M	OFDM QPSK_1RB	Rear side	24.28	25.00	-0.04	1.180	**0.339**	**0.400**
633332/3499.98	100M	OFDM QPSK_1RB	Left side	24.28	25.00	0.01	1.180	0.124	0.146
633332/3499.98	100M	OFDM QPSK_1RB	Top side	24.28	25.00	0.09	1.180	0.298	0.352
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
633332/3499.98	100M	OFDM QPSK_50RB	Front side	24.19	25.00	-0.17	1.205	0.231	0.278
633332/3499.98	100M	OFDM QPSK_50RB	Rear side	24.19	25.00	0.19	1.205	0.331	0.399
633332/3499.98	100M	OFDM QPSK_50RB	Left side	24.19	25.00	-0.10	1.205	0.121	0.146
633332/3499.98	100M	OFDM QPSK_50RB	Bottom side	24.19	25.00	0.12	1.205	0.291	0.351

SAR Values [NR Band 77]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{10-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head<1RB>									
662000/3930	100M	OFDM QPSK_1RB	Left Cheek	24.29	25.00	-0.11	1.178	**0.663**	**0.781**
662000/3930	100M	OFDM QPSK_1RB	Left Tilt	24.29	25.00	-0.17	1.178	0.239	0.281
662000/3930	100M	OFDM QPSK_1RB	Right Cheek	24.29	25.00	-0.19	1.178	0.639	0.752
662000/3930	100M	OFDM QPSK_1RB	Right Tilt	24.29	25.00	-0.01	1.178	0.223	0.263
measured / reported SAR numbers – Head<50%RB>									
650000/3750	100M	OFDM QPSK_50RB	Left Cheek	24.35	25.00	-0.02	1.161	0.642	0.746
650000/3750	100M	OFDM QPSK_50RB	Left Tilt	24.35	25.00	-0.02	1.161	0.231	0.268
650000/3750	100M	OFDM QPSK_50RB	Right Cheek	24.35	25.00	0.12	1.161	0.619	0.719
650000/3750	100M	OFDM QPSK_50RB	Right Tilt	24.35	25.00	0.12	1.161	0.216	0.251
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
662000/3930	100M	OFDM QPSK_1RB	Front side	24.29	25.00	0.03	1.178	0.257	0.303
662000/3930	100M	OFDM QPSK_1RB	Rear side	24.29	25.00	-0.16	1.178	**0.367**	**0.432**
662000/3930	100M	OFDM QPSK_1RB	Left side	24.29	25.00	-0.12	1.178	0.134	0.158
662000/3930	100M	OFDM QPSK_1RB	Top side	24.29	25.00	-0.19	1.178	0.323	0.380
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
650000/3750	100M	OFDM QPSK_50RB	Front side	24.35	25.00	-0.07	1.161	0.249	0.289
650000/3750	100M	OFDM QPSK_50RB	Rear side	24.35	25.00	0.01	1.161	0.355	0.412
650000/3750	100M	OFDM QPSK_50RB	Left side	24.35	25.00	0.19	1.161	0.130	0.151
650000/3750	100M	OFDM QPSK_50RB	Bottom side	24.35	25.00	0.14	1.161	0.313	0.364

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ● ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
- ● ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- ● ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.24. SAR Results [NR Band 78] ANT4

SAR Values [NR Band 78]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{10-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head<1RB>									
633332/3499.98	100M	OFDM QPSK_1RB	Left Cheek	24.14	25.00	0.14	1.219	**0.627**	**0.764**
633332/3499.98	100M	OFDM QPSK_1RB	Left Tilt	24.14	25.00	0.18	1.219	0.227	0.277
633332/3499.98	100M	OFDM QPSK_1RB	Right Cheek	24.14	25.00	-0.16	1.219	0.605	0.737
633332/3499.98	100M	OFDM QPSK_1RB	Right Tilt	24.14	25.00	-0.01	1.219	0.211	0.257
measured / reported SAR numbers – Head<50%RB>									
633332/3499.98	100M	OFDM QPSK_50RB	Left Cheek	24.08	25.00	-0.05	1.236	0.607	0.750
633332/3499.98	100M	OFDM QPSK_50RB	Left Tilt	24.08	25.00	-0.03	1.236	0.220	0.272
633332/3499.98	100M	OFDM QPSK_50RB	Right Cheek	24.08	25.00	-0.19	1.236	0.586	0.724
633332/3499.98	100M	OFDM QPSK_50RB	Right Tilt	24.08	25.00	0.09	1.236	0.204	0.252
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
633332/3499.98	100M	OFDM QPSK_1RB	Front side	24.14	25.00	0.02	1.219	0.229	0.279
633332/3499.98	100M	OFDM QPSK_1RB	Rear side	24.14	25.00	-0.19	1.219	**0.328**	**0.400**
633332/3499.98	100M	OFDM QPSK_1RB	Left side	24.14	25.00	0.18	1.219	0.120	0.146
633332/3499.98	100M	OFDM QPSK_1RB	Top side	24.14	25.00	-0.12	1.219	0.289	0.352
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
633332/3499.98	100M	OFDM QPSK_50RB	Front side	24.08	25.00	-0.12	1.236	0.222	0.274
633332/3499.98	100M	OFDM QPSK_50RB	Rear side	24.08	25.00	-0.14	1.236	0.318	0.393
633332/3499.98	100M	OFDM QPSK_50RB	Left side	24.08	25.00	-0.14	1.236	0.116	0.143
633332/3499.98	100M	OFDM QPSK_50RB	Top side	24.08	25.00	0.15	1.236	0.280	0.346

SAR Values [NR Band 78]									
Ch/ Freq. (MHz)	BW.	Channel Type	Test Position	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{10-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head<1RB>									
650000/3750	100M	OFDM QPSK_1RB	Left Cheek	24.20	25.00	-0.04	1.202	**0.642**	**0.772**
650000/3750	100M	OFDM QPSK_1RB	Left Tilt	24.20	25.00	-0.10	1.202	0.231	0.278
650000/3750	100M	OFDM QPSK_1RB	Right Cheek	24.20	25.00	0.06	1.202	0.619	0.744
650000/3750	100M	OFDM QPSK_1RB	Right Tilt	24.20	25.00	-0.06	1.202	0.216	0.260
measured / reported SAR numbers – Head<50%RB>									
650000/3750	100M	OFDM QPSK_50RB	Left Cheek	24.34	25.00	0.19	1.164	0.622	0.724
650000/3750	100M	OFDM QPSK_50RB	Left Tilt	24.34	25.00	-0.03	1.164	0.224	0.261
650000/3750	100M	OFDM QPSK_50RB	Right Cheek	24.34	25.00	-0.07	1.164	0.599	0.697
650000/3750	100M	OFDM QPSK_50RB	Right Tilt	24.34	25.00	-0.16	1.164	0.209	0.243
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<1RB>									
650000/3750	100M	OFDM QPSK_1RB	Front side	24.20	25.00	0.07	1.202	0.249	0.299
650000/3750	100M	OFDM QPSK_1RB	Rear side	24.20	25.00	0.02	1.202	**0.355**	**0.427**
650000/3750	100M	OFDM QPSK_1RB	Left side	24.20	25.00	0.11	1.202	0.130	0.156
650000/3750	100M	OFDM QPSK_1RB	Top side	24.20	25.00	0.14	1.202	0.313	0.376
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)<50%RB>									
650000/3750	100M	OFDM QPSK_50RB	Front side	24.34	25.00	-0.15	1.164	0.241	0.281
650000/3750	100M	OFDM QPSK_50RB	Rear side	24.34	25.00	0.18	1.164	0.344	0.400
650000/3750	100M	OFDM QPSK_50RB	Left side	24.34	25.00	0.03	1.164	0.126	0.147
650000/3750	100M	OFDM QPSK_50RB	Top side	24.34	25.00	0.03	1.164	0.303	0.353

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) Per KDB447498 D01, testing of other required channels within the operating mode of a frequency band is not required when the reported 1-g or 10-g SAR for the mid-band or highest output power channel is:

- ● ≤ 0.8W/kg for 1-g or 2.0W/kg for 10-g respectively, when the transmission band is ≤ 100MHz.
- ● ≤ 0.6 W/kg or 1.5 W/kg, for 1-g or 10-g respectively, when the transmission band is between 100 MHz and 200 MHz.
- ● ≤ 0.4 W/kg or 1.0 W/kg, for 1-g or 10-g respectively, when the transmission band is ≥ 200 MHz.

3) Body worn mode and hotspot mode use the same test distance for 10mm. The above data only reflects hotspot mode

7.3.25. SAR Results [WIFI 2.4G]

SAR Values [WIFI 2.4G]									
Ch/ Freq. (MHz)	Channel Type	Test Position	Duty Cycle	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head									
1/2412	802.11b	Left Cheek	1.003	15.30	16.00	0.05	1.175	0.182	0.215
1/2412	802.11b	Left Tilt	1.003	15.30	16.00	-0.10	1.175	0.084	0.099
1/2412	802.11b	Right Cheek	1.003	15.30	16.00	0.14	1.175	**0.208**	**0.245**
1/2412	802.11b	Right Tilt	1.003	15.30	16.00	-0.06	1.175	0.098	0.116
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)									
1/2412	802.11b	Front side	1.003	15.30	16.00	0.11	1.175	0.073	0.086
1/2412	802.11b	Rear side	1.003	15.30	16.00	0.14	1.175	**0.106**	**0.125**
1/2412	802.11b	Right side	1.003	15.30	16.00	0.01	1.175	0.059	0.070
1/2412	802.11b	Top side	1.003	15.30	16.00	0.17	1.175	0.088	0.104

Note:
1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.
2) Per KDB 648474 D04, Product Specific 10-g SAR test is not required for this frequency band since hotspot mode 1-g reported SAR < 1.2 W/kg.
3) When the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR test for the other 802.11 modes are not required.

7.3.26. SAR Results [WIFI 5.2G]

SAR Values [WIFI 5.2G]									
Ch/ Freq. (MHz)	Channel Type	Test Position	Duty Cycle Factor	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head									
36/5180	802.11a	Left Cheek	1.025	12.96	13.00	-0.08	1.009	0.082	0.085
36/5180	802.11a	Left Tilt	1.025	12.96	13.00	-0.13	1.009	0.075	0.078
36/5180	802.11a	Right Cheek	1.025	12.96	13.00	-0.03	1.009	**0.103**	**0.107**
36/5180	802.11a	Right Tilt	1.025	12.96	13.00	-0.13	1.009	0.059	0.061
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)									
36/5180	802.11a	Front side	1.025	12.96	13.00	-0.10	1.009	0.347	0.359
36/5180	802.11a	Rear side	1.025	12.96	13.00	-0.13	1.009	**0.520**	**0.538**
36/5180	802.11a	Right side	1.025	12.96	13.00	0.04	1.009	0.162	0.168
36/5180	802.11a	Top side	1.025	12.96	13.00	0.18	1.009	0.389	0.402

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) When the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR test for the other 802.11 modes are not required.

3) When multiple transmission modes (802.11a/g/n/ac) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n.

7.3.27. SAR Results [WIFI 5.3G]

SAR Values [WIFI 5.3G]									
Ch/ Freq. (MHz)	Channel Type	Test Position	Duty Cycle Factor	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head									
60/5300	802.11a	Left Cheek	1.025	13.00	14.00	0.08	1.259	0.204	0.263
60/5300	802.11a	Left Tilt	1.025	13.00	14.00	0.10	1.259	0.109	0.141
60/5300	802.11a	Right Cheek	1.025	13.00	14.00	-0.03	1.259	**0.218**	**0.281**
60/5300	802.11a	Right Tilt	1.025	13.00	14.00	-0.06	1.259	0.120	0.155
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)									
60/5300	802.11a	Front side	1.025	13.00	14.00	0.07	1.259	0.311	0.401
60/5300	802.11a	Rear side	1.025	13.00	14.00	-0.19	1.259	**0.548**	**0.707**
60/5300	802.11a	Right side	1.025	13.00	14.00	0.17	1.259	0.154	0.199
60/5300	802.11a	Top side	1.025	13.00	14.00	-0.18	1.259	0.372	0.480

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) When the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR test for the other 802.11 modes are not required.

3) When multiple transmission modes (802.11a/g/n/ac) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n.

7.3.28. SAR Results [WIFI 5.5G]

SAR Values [WIFI 5.5G]									
Ch/ Freq. (MHz)	Channel Type	Test Position	Duty Cycle Factor	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head									
140/5700	802.11a	Left Cheek	1.026	11.85	12.00	0.16	1.035	0.102	0.108
140/5700	802.11a	Left Tilt	1.026	11.85	12.00	-0.13	1.035	0.087	0.092
140/5700	802.11a	Right Cheek	1.026	11.85	12.00	0.08	1.035	**0.113**	**0.120**
140/5700	802.11a	Right Tilt	1.026	11.85	12.00	0.12	1.035	0.101	0.107
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)									
140/5700	802.11a	Front side	1.026	11.85	12.00	0.05	1.035	0.110	0.117
140/5700	802.11a	Rear side	1.026	11.85	12.00	0.08	1.035	**0.181**	**0.192**
140/5700	802.11a	Right side	1.026	11.85	12.00	-0.15	1.035	0.069	0.073
140/5700	802.11a	Top side	1.026	11.85	12.00	0.02	1.035	0.124	0.132

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) When the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR test for the other 802.11 modes are not required.

3) When multiple transmission modes (802.11a/g/n/ac) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n.

7.3.29. SAR Results [WIFI 5.8G]

SAR Values [WIFI 5.8G] ANT6									
Ch/ Freq. (MHz)	Channel Type	Test Position	Duty Cycle Factor	Conducted Power (dBm)	Maximum Allowed Power (dBm)	Power Drift (dB)	Scaling Factor	SAR_{1-g} results(W/kg)	
								Measured	Reported
measured / reported SAR numbers – Head									
157/5785	802.11a	Left Cheek	1.025	11.91	12.00	0.16	1.021	0.113	0.118
157/5785	802.11a	Left Tilt	1.025	11.91	12.00	-0.13	1.021	0.092	0.096
157/5785	802.11a	Right Cheek	1.025	11.91	12.00	0.08	1.021	**0.147**	**0.154**
157/5785	802.11a	Right Tilt	1.025	11.91	12.00	0.12	1.021	0.114	0.119
measured / reported SAR numbers - Body (Hotspot Test data distance 10mm)									
157/5785	802.11a	Front side	1.025	11.91	12.00	0.05	1.021	0.134	0.140
157/5785	802.11a	Rear side	1.025	11.91	12.00	0.08	1.021	**0.221**	**0.231**
157/5785	802.11a	Right side	1.025	11.91	12.00	-0.15	1.021	0.088	0.092
157/5785	802.11a	Top side	1.025	11.91	12.00	0.02	1.021	0.153	0.160

Note:

1) The maximum Scaled SAR value is marked in bold. Graph results refer to Appendix B.

2) When the highest reported SAR for the initial test configuration is adjusted by the ratio of the subsequent test configuration to initial test configuration specified maximum output power and the adjusted SAR is ≤ 1.2 W/kg, SAR test for the other 802.11 modes are not required.

3) When multiple transmission modes (802.11a/g/n/ac) have the same specified maximum output power, largest channel bandwidth, lowest order modulation and lowest data rate, the lowest order 802.11 mode is selected; i.e., 802.11a is chosen over 802.11n then 802.11ac or 802.11g is chosen over 802.11n.

7.4. Multiple Transmitter Evaluation

7.4.1. Simultaneous SAR SAR test evaluation

Simultaneous Transmission Possibilities

NO.	Simultaneous Tx Combination	Head	Body	Hotspot
1	GSM + WiFi 2.4G/5G/BT	Yes	Yes	Yes
2	UMTS + WiFi 2.4G/5G/BT	Yes	Yes	Yes
3	LTE + WiFi 2.4G/5G/BT	Yes	Yes	Yes
4	NR+ WiFi 2.4G/5G/BT	Yes	Yes	Yes

Note:
1) Wi-Fi 2.4G and Wi-Fi 5G can't transmit simultaneously.
2) Wi-Fi and BT can't transmit simultaneously.
3) The device does not support DTM function.

Note 2: This device has NFC operations, the NFC antenna is integrated into the device for this model, therefore. all SAR test were performed with the device which already incorporates the NFC antenna.

7.4.2. Simultaneous Transmission SAR Summation Scenario

Test position		Main Antenna SAR (W/kg)																								
		GSM	GSM	WCDMA	WCDMA Band	WCDMA Band	LTE Band	LTE Band	LTE Band	LTE Band	LTE Band	LTE Band	LTE Band	LTE Band	5GNR Band	5GNR Band	5GNR Band	5GNR Band	5GNR Band	5GNR Band	5GNR Band	5GNR Band	5GNR Band	5GNR Band	5GNR Band	MAX 1g SAR (W/kg)
		850	1900	Band II	IV	V	7	12/17	13	25/2	26/5	41/38	66	71	2	5	7	25	26	38	41	66	71	77	78	
Head	Left cheek	0.13	0.484	0.344	0.303	0.125	0.542	0.228	0.228	0.626	0.218	0.414	0.497	0.169	0.428	0.196	0.45	0.587	0.206	0.443	0.393	0.403	0.169	0.781	0.772	0.781
	Left tilted	0.068	0.245	0.224	0.111	0.07	0.271	0.101	0.101	0.313	0.084	0.256	0.307	0.065	0.222	0.113	0.233	0.293	0.079	0.274	0.244	0.25	0.065	0.281	0.278	0.313
	Right cheek	0.165	0.669	0.636	0.514	0.159	0.672	0.202	0.203	0.777	0.175	0.671	0.793	0.135	0.594	0.133	0.624	0.727	0.164	0.719	0.638	0.654	0.135	0.752	0.744	0.793
	Right tilted	0.093	0.451	0.419	0.225	0.081	0.498	0.093	0.093	0.575	0.074	0.366	0.439	0.057	0.416	0.089	0.437	0.538	0.07	0.392	0.348	0.356	0.057	0.263	0.26	0.575
Hotspot/ body	Front side	0.118	0.442	0.404	0.427	0.167	0.453	0.2	0.186	0.44	0.204	0.551	0.445	0.175	0.474	0.109	0.407	0.411	0.192	0.554	0.575	0.348	0.162	0.303	0.299	0.575
	Back side	0.204	0.638	0.544	0.56	0.25	0.602	0.237	0.221	0.585	0.23	0.732	0.591	0.198	0.775	0.2	0.665	0.546	0.216	0.736	0.764	0.462	0.183	0.432	0.427	0.775
	Left side	0.083	0.425	0.265	0.135	0.086	0.415	0.062	0.058	0.404	0.064	0.505	0.408	0.055	0.273	0.068	0.234	0.377	0.06	0.508	0.528	0.319	0.051	0.158	0.156	0.528
	Right side	0.073	/	/	/	0.07	/	0.07	0.065	/	0.071	/	/	0.061	/	0.079	/	/	0.067	/	/	/	0.057	/	/	0.079
	Top side	/	0.559	0.502	0.49	/	0.499	/	/	0.486	/	0.608	0.49	/	0.556	/	0.478	0.453	/	0.611	0.635	0.383	/	0.38	0.376	0.635
	Bottom side	0.154	/	/	/	0.18	/	0.208	0.194	/	0.211	/	/	0.182	/	0.145	/	/	0.199	/	/	/	0.168	/	/	0.211

Test position		Main Antenna SARmax (W/kg)	BT/WiFi Antenna SAR(W/kg)					Summed 1g SAR (W/kg)
			WLAN 2.4G	WLAN 5.2G	WLAN 5.3G	WLAN 5.5G	WLAN 5.8G	
Head	Left cheek	0.781	0.215	0.085	0.263	0.108	0.118	1.044
	Left tilted	0.313	0.099	0.078	0.141	0.092	0.096	0.454
	Right cheek	0.793	0.245	0.107	0.281	0.12	0.154	**1.074**
	Right tilted	0.575	0.116	0.061	0.155	0.107	0.119	0.73
Hotspot/body	Front side	0.575	0.086	0.359	0.401	0.117	0.14	0.976
	Back side	0.775	0.125	0.538	0.707	0.192	0.231	**1.482**
	Left side	0.528	/	/	/	/	/	0.528
	Right side	0.079	0.07	0.168	0.199	0.073	0.092	0.278
	Top side	0.635	0.104	0.402	0.48	0.132	0.16	1.115
	Bottom side	0.211	/	/	/	/	/	0.211

Appendix A: Detailed System Check Results

Appendix B: Detailed Test Results

Appendix C: Calibration certificate

Appendix D: Photographs

.....The End of Test Report.....

FCC TEST REPORT

For

Lunar Industries inc.

Smart Phone

Test Model: BraX3

Prepared for	:	Lunar Industries inc.
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel	:	(+86)755-82591330
Fax	:	(+86)755-82591332
Web	:	www.LCS-cert.com
Mail	:	webmaster@LCS-cert.com
Date of receipt of test sample	:	February 26, 2025
Number of tested samples	:	2
Sample No.	:	A250303080-1, A250303080-2
Serial number	:	Prototype
Date of Test	:	February 26, 2025 ~ March 25, 2025
Date of Report	:	March 26, 2025

FCC TEST REPORT
FCC CFR 47 PART 15 C(15.247)

Report Reference No.	**:**	**LCSA11204234EC**
Date of Issue	:	March 26, 2025
Testing Laboratory Name.....	**:**	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Testing Location/ Procedure	:	Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □
Applicant's Name	**:**	**Lunar Industries inc.**
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Test Specification		
Standard.....	:	FCC CFR 47 PART 15 C(15.247)
Test Report Form No.....	**:**	TRF-4-E-145 A/0
TRF Originator.....	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF.....	:	Dated 2011-03

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EUT Description.	**:**	**Smart Phone**
Trade Mark	:	Brax
Test Model.....	:	BraX3
Ratings	:	Please Refer to Page 6
Result	**:**	**Positive**

Compiled by:	**Supervised by:**	**Approved by:**
Jack Liu/Administrator	Cary Luo/ Technique principal	Gavin Liang/ Manager

FCC -- TEST REPORT

Test Report No. : **LCSA11204234EC**	March 26, 2025 Date of issue

Test Model.....	: BraX3
EUT.....	: Smart Phone
Applicant.....	**: Lunar Industries inc.**
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Manufacturer.....	**: Lunar Industries inc.**
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Factory.....	**: Sichuan koobee communication equipment Co., Ltd.**
Address.....	: Building 2, No.69, West of gangyuan Road, Lingang economic and technological development zone, Yibin City, Sichuan Province, P.R.China
Telephone.....	: /
Fax.....	: /

Test Result	**Positive**

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revision History

Report Version	Issue Date	Revision Content	Revised By
000	March 26, 2025	Initial Issue	---

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1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	Smart Phone
Test Model	:	BraX3
Ratings	:	Input:5V⎓2A DC 3.87V by Rechargeable Li-ion Battery, 4900mAh
Hardware Version	:	KE115S_01
Software Version	:	V600.BX3.25032025.16.19.AD
Bluetooth	:	
Frequency Range	:	2402MHz~2480MHz
Channel Number	:	79 channels for Bluetooth V5.2 (DSS) 40 channels for Bluetooth V5.2 (DTS)
Channel Spacing	:	1MHz for Bluetooth V5.2 (DSS) 2MHz for Bluetooth V5.2 (DTS)
Modulation Type	:	GFSK, π/4-DQPSK, 8-DPSK for Bluetooth V5.2 (DSS) GFSK for Bluetooth V5.2 (DTS)
Bluetooth Version	:	V5.2
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(2.4G Band)	:	
Frequency Range	:	2412MHz~2462MHz
Channel Spacing	:	5MHz
Channel Number	:	11 Channels for 20MHz bandwidth (2412~2462MHz) 7 Channels for 40MHz bandwidth (2422~2452MHz)
Modulation Type	:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(5.2G Band)	:	
Frequency Range	:	5180MHz~5240MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5180MHz~5240MHz) 2 channels for 40MHz bandwidth(5190MHz~5230MHz) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.3G Band)		
Frequency Range	:	5260MHz~5320MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5260MHz~5320MHz) 2 channels for 40MHz bandwidth(5270MHz~5310MHz) 1 channels for 80MHz bandwidth(5290MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.5G Band)	:	
Frequency Range	:	5500MHz~5700MHz
Channel Number	:	11 Channels for 20MHz bandwidth(5500MHz~5700MHz) 5 Channels for 40MHz bandwidth(5510MHz~5670MHz)

		2 Channels for 80MHz bandwidth(5530MHz, 5610MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.8G Band)	:	
Frequency Range	:	5745MHz~5825MHz
Channel Number	:	5 channels for 20MHz bandwidth(5745MHz~5825MHz) 2 channels for 40MHz bandwidth(5755MHz~5795MHz) 1 channels for 80MHz bandwidth(5775MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5),0.65dBi(Max.)
2G	:	
Support Band	:	☒GSM 900 (EU-Band) ☒DCS 1800 (EU-Band) ☒GSM 850 (U.S.-Band) ☒PCS 1900 (U.S.-Band)
Release Version	:	R9
GPRS Class	:	Class 12
EGPRS Class	:	Class 12
Type Of Modulation	:	GMSK for GSM/GPRS; GMSK/8PSK for EGPRS
Antenna Description	:	GSM 850: -3.2 dBi(ANT0), -6.0 dBi(ANT3) PCS 1900: -0.8 dBi(ANT3), -2.0 dBi(ANT0)
3G	:	
Support Band	:	☒WCDMA Band I (EU-Band) ☒WCDMA Band II (U.S.-Band) ☒WCDMA Band IV (U.S.-Band) ☒WCDMA Band V (U.S.-Band) ☒WCDMA Band VIII (EU-Band)
Release Version	:	R9
Type Of Modulation	:	QPSK,16QAM
Antenna Description	:	PIFA Antenna WCDMA Band II -0.8 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band IV -1.45 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band V -3.2 dBi(ANT0), -6.0 dBi(ANT3)
LTE	:	
Support Band	:	☒E-UTRA Band 1(EU-Band) ☒E-UTRA Band 2(U.S.-Band) ☒E-UTRA Band 3(EU-Band) ☒E-UTRA Band 4(U.S.-Band) ☒E-UTRA Band 5(U.S.-Band) ☒E-UTRA Band 7(U.S.-Band) ☒E-UTRA Band 8(EU-Band) ☒E-UTRA Band 12(U.S.-Band) ☒E-UTRA Band 13(U.S.-Band) ☒E-UTRA Band 17(U.S.-Band) ☒E-UTRA Band 25(U.S.-Band) ☒E-UTRA Band 26(U.S.-Band) ☒E-UTRA Band 28(EU-Band) ☒E-UTRA Band 38(U.S.-Band) ☒E-UTRA Band 40(EU-Band)

		☒E-UTRA Band 41(U.S.-Band) ☒E-UTRA Band 42(EU-Band) ☒E-UTRA Band 66(U.S.-Band) ☒E-UTRA Band 71(U.S.-Band)
LTE Release Version	:	R15
Type Of Modulation	:	QPSK/16QAM
Antenna Description	:	PIFA Antenna For E-UTRA Band 2 -0.8 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 4 -1.45 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 5 -3.2 dBi(ANT0),-1.8 dBi(ANT3) For E-UTRA Band 7 -0.6 dBi(ANT3),-1.8 dBi(ANT0), -1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 12 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 13 -3.0 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 17 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 25 -0.75 dBi(ANT3), -2.0 dBi(ANT0) ,-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 26 -3.3 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 38 -0.6 dBi(ANT3),-1.1 dBi(ANT0),-1.8 dBi(ANT2), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 41 –0.6 dBi(ANT3), -1.1 dBi(ANT0),-1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 66 -0.78 dBi(ANT3), -2.0 dBi(ANT0),-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 71 -3.3 dBi(ANT0), -2.0 dBi(ANT3)
Power Class	:	Class 3
NR	:	
Operation Band	:	SA Band: n1: UL: 1920MHz~1980MHz, DL: 2110MHz~2170MHz n2: UL: 1850MHz~1910MHz, DL: 1930MHz~1990MHz n3: UL: 1710MHz~1785MHz, DL:1805MHz~1880MHz n5: UL: 824MHz~849MHz, DL:869MHz~894MHz n7: UL: 2500MHz~2570MHz, DL: 2620MHz~2690MHz n25: UL: 1850MHz~1915MHz, DL: 1930MHz~1995MHz n26: UL: 814MHz~849MHz, DL: 859MHz~894MHz n28: UL: 703MHz~748MHz, DL: 758MHz~803MHz n38: UL & DL: 2570MHz~2620MHz n40: UL & DL: 2300MHz~2400MHz n41: UL & DL: 2496MHz~2690MHz n66: UL: 1710MHz~1780MHz, DL: 2110MHz~2180MHz n71: UL: 663MHz~698MHz, DL: 617MHz~652MHz n77: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3980 MHz n78: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3800 MHz
Support Type	:	☒SA
Subcarrier Spacing	:	15KHz,30KHz
Modulation Type	:	DFT-BPSK, DFT-QPSK, DFT-16QAM, DFT-64QAM, DFT-256QAM CP-QPSK, CP-16QAM, CP-64QAM, CP-256QAM
SCS and Channel Bandwidths	:	n2_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,35 MHz,40 MHz n5_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz

		n7_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz,50MHz n25_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n26_SCS 15kHz(814~824MHz): 5 MHz,10 MHz n26_SCS 15kHz(824~849MHz): 5 MHz,10 MHz,15 MHz,20 MHz n38_SCS 30kHz:10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n41_SCS 30kHz: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz,90 MHz,100 MHz n66_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n71_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n77_SCS 30kHz: 20 MHz,50 MHz,100 MHz n78_SCS 30kHz: 20 MHz,50 MHz,100 MHz
Power Class	:	NR Band 2/5/7/25/26/38/41:PC3 NR Band 66/71/77/78: PC2
Antenna Description	:	PIFA Antenna NR Band n2: -0.8 dBi(ANT3), -6.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n5: -3.2 dBi(ANT0), -6.0 dBi(ANT3) NR Band n7: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n25: -0.75 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n26: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n38: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n41: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n66: -0.78 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n71: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n77: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7) NR Band n78: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7)
NFC	:	
Operating Frequency	:	13.56MHz
Modulation Type	:	ASK
Antenna Description	:	Internal Antenna
GPS Function	:	Support and only RX
FM Function	:	Support and only RX
Extreme temp. Tolerance	:	-30°C to +50°C
Extreme vol. Limits	:	3.3VDC to 4.45VDC (nominal: 3.87VDC)

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

1.2. Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN TIANYIN ELECTRONICS CO., LTD	Power Adapter	TPA-46050200UU	--	FCC

Note: Auxiliary equipment is provided by the laboratory.

1.3. External I/O Cable

I/O Port Description	Quantity	Cable
Type-C USB Port	1	N/A
Earphone Jack Port	1	N/A

1.4. Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Test Firm Registration Number: 254912.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

1.5. Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

1.6. Measurement Uncertainty

Test Item		Frequency Range	Uncertainty	Note
Radiation Uncertainty	:	9KHz~30MHz	±3.10dB	(1)
		30MHz~200MHz	±2.96dB	(1)
		200MHz~1000MHz	±3.10dB	(1)
		1GHz~26.5GHz	±3.80dB	(1)
		26.5GHz~40GHz	±3.90dB	(1)
Conduction Uncertainty	:	150kHz~30MHz	±1.63dB	(1)
Power disturbance	:	30MHz~300MHz	±1.60dB	(1)
Output power	:	1GHz-40GHz	±0.57dB	(1)
Power Spectral Density	:	1GHz-40GHz	±1.2dB	(1)
Occupied Channel Bandwidth	:	1GHz-40GHz	±5%	(1)
Conducted RF Spurious Emission	:	9kHz-40GHz	±1.80dB	(1)
Emissions in Restricted Bands	:	1GHz-40GHz	±2.47dB	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.7. Description of Test Modes

The EUT has been tested under operating condition.

This test was performed with EUT in X, Y, Z position and the worst case was found when EUT in Y position.

AC conducted emission pre-test at both at AC 120V/60Hz and AC 240V/60Hz modes, recorded worst case.

AC conducted emission pre-test at power adapter modes, recorded worst case.

Worst-case mode and channel used for 150 KHz-30 MHz power line conducted emissions was determined to be BT LE mode (1Mbps-Middle Channel).

Worst-case mode and channel used for 9 KHz-1000 MHz radiated emissions was determined to be BT LE mode (1Mbps-Middle Channel).

Worst-Case data rates were utilized from preliminary testing of the Chipset, worst-case data rates used during the testing are as follows:
BT LE: 1 Mbps, GFSK.
BT LE: 2 Mbps, GFSK.

BT LE

Frequency Band	Channel No.	Frequency(MHz)	Channel No.	Frequency(MHz)
2402~2480MHz	0	2402	20	2442
	1	2404	--	--
	2	2406	--	--
	--	--	37	2476
	--	--	38	2478
	19	2440	39	2480

2. TEST METHODOLOGY

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

The radiated testing was performed at an antenna-to-EUT distance of 3 meters. All radiated and conducted emissions measurement was performed at Shenzhen LCS Compliance Testing Laboratory Ltd.

2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2. EUT Exercise

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to FCC's request, Test Procedure KDB558074 D01 15.247 Meas Guidance v05r02 is required to be used for this kind of FCC 15.247 digital modulation device.

According to its specifications, the EUT must comply with the requirements of the Section 15.203, 15.205, 15.207, 15.209 and 15.247 under the FCC Rules Part 15 Subpart C.

2.3. General Test Procedures

2.3.1 Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using Quasi-peak and average detector modes.

2.3.2 Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1GHz and 1.5 m above gro und plane above 1GHz. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 6.3 of ANSI C63.10-2013.

2.4. Test Sample

The application provides 2 samples to meet requirement;

Sample Number	Description
Sample 1(A250303080-1)	Engineer sample – continuous transmit
Sample 2(A250303080-2)	Normal sample – Intermittent transmit

3. SYSTEM TEST CONFIGURATION

3.1. Justification

The system was configured for testing in a continuous transmits condition.

3.2. EUT Exercise Software

The system was configured for testing in a continuous transmits condition and change test channels by software provided by application.

3.3. Special Accessories

N/A.

3.4. Block Diagram/Schematics

Please refer to the related document

3.5. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

3.6. Test Setup

Please refer to the test setup photo.

4. SUMMARY OF TEST RESULTS

Applied Standard: FCC Part 15 Subpart C				
FCC Rules	Description of Test	Test Sample	Result	Remark
§15.247(a)(2)	6dB Bandwidth	Sample 1	Compliant	Appendix B.1
§15.247(b)	Maximum peak conducted output power	Sample 1	Compliant	Appendix B.2
§15.247(e)	Power Spectral Density	Sample 1	Compliant	Appendix B.3
§15.247(d)	Band edge measurements and Conducted Spurious Emissions	Sample 1	Compliant	Appendix B.4 Appendix B.5
/	On Time and Duty Cycle	Sample 1	/	Only reported; Appendix B.6
§15.209, §15.247(d)	Radiated Spurious Emissions	Sample 1 Sample 2	Compliant	Note 1
§15.205	Emissions at Restricted Band	Sample 1	Compliant	Appendix B.7
§15.207(a)	Conducted Emissions	Sample 2	Compliant	Note 1
§15.203	Antenna Requirements	Sample 1	Compliant	Note 1
§15.247(i)§1.1310 §15.247(i)§2.1093	RF Exposure	N/A	Compliant	Note 2

Remark:
1. Note 1 – Test results inside test report;
2. Note 2 – Test results in other test report (SAR Report);

5. TEST RESULT

5.1. 6 dB Spectrum Bandwidth Measurement

5.1.1. Standard Applicable

According to §15.247(a) (2): For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz.

5.1.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of the Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
RBW	100KHz
VBW	≥3*RBW
Span Frequency	> RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.1.3. Test Procedures

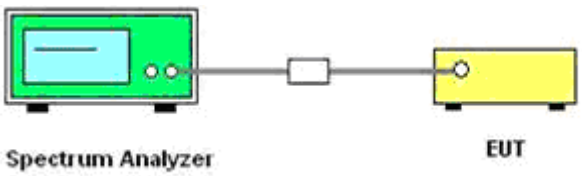
1. The transmitter output (antenna port) was connected to the spectrum analyzer in peak hold mode.

2. Set RBW/VBW = 100 KHz/ 300KHz (for 6dB bandwidth measurement)

Set RBW = 1%~5% OBW; VBW≥3*RBW (for occupied bandwidth measurement).

3. Measured the 6dB bandwidth and 99% occupied bandwidth by related function of the spectrum analyzer.

5.1.4. Test Setup Layout



5.1.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.1.6. Test Result of 6dB Spectrum Bandwidth

PASS

Please refer to Appendix B.1

Remark: Test results including cable loss.

5.2. Maximum Peak Conducted Output Power Measurement

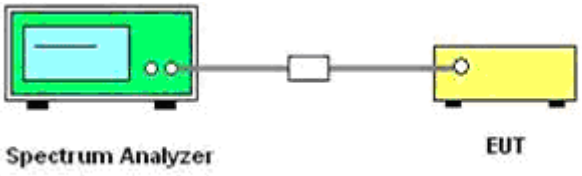
5.2.1. Standard Applicable

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

5.2.2. Test Procedures

The transmitter output (antenna port) was connected to the spectrum analyzer.
According to KDB558074 D01 15.247 Meas Guidance v05r02 Section 9.1 Maximum peak conducted output power 9.1.1.
This procedure shall be used when the measurement instrument has available a resolution bandwidth that is greater than the DTS bandwidth.
a) Set the RBW ≥ DTS bandwidth.
b) Set VBW ≥ 3 × RBW.
c) Set span ≥ 3 x RBW
d) Sweep time = auto couple.
e) Detector = peak.
f) Trace mode = max hold.
g) Allow trace to fully stabilize.
h) Use peak marker function to determine the peak amplitude level.

5.2.3. Test Setup Layout



5.2.4. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.2.5. Test Result of Maximum Conducted Output Power

PASS

Please refer to Appendix B.2

Remark:
1)Test results including cable loss.
2) Average power only for report.

5.3. Power Spectral Density Measurement

5.3.1. Standard Applicable

According to §15.247(e): For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

5.3.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of Spectrum Analyzer.

5.3.3. Test Procedures

1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.

2. The power was monitored at the coupler port with a Spectrum Analyzer. The power level was set to the maximum level.

3. Set the RBW = 3 kHz.

4. Set the VBW ≥ 3*RBW

5. Set the span to 1.5 times the DTS channel bandwidth.

6. Detector = peak.

7. Sweep time = auto couple.

8. Trace mode = max hold.

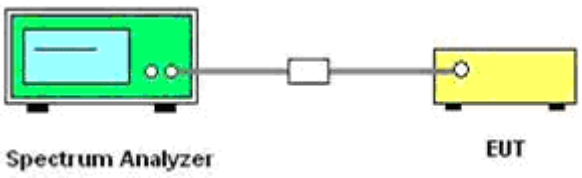
9. Allow trace to fully stabilize.

10. Use the peak marker function to determine the maximum power level.

11. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

12. The resulting peak PSD level shall not be greater than 8 dBm in any 3KHz band.

5.3.4. Test Setup Layout



5.3.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.3.6. Test Result of Power Spectral Density

PASS

Please refer to Appendix B.3

Remark: Test results including cable loss.

5.4. Radiated Emissions Measurement

5.4.1. Standard Applicable

15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
\1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293.	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(\2\)
13.36-13.41			

\1\ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

\2\ Above 38.6

According to §15.247 (d): 20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

5.4.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average
RB / VB (Emission in non-restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB/VB 200Hz/1KHz for QP/AVG
Start ~ Stop Frequency	150kHz~30MHz / RB/VB 9kHz/30KHz for QP/AVG
Start ~ Stop Frequency	30MHz~1000MHz / RB/VB 120kHz/1MHz for QP

5.4.3. Test Procedures

1) Sequence of testing 9 kHz to 30 MHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions.

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna height is 1.0 meter.

--- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

--- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).

--- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

2) Sequence of testing 30 MHz to 1 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height changes from 1 to 3 meter.

--- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter.

--- The final measurement will be done with QP detector with an EMI receiver.

--- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

3) Sequence of testing 1 GHz to 18 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height scan range is 1 meter to 2.5 meter.

--- At each turntable position and antenna polarization the analyzer sweeps with peak detection to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter. This procedure is repeated for both antenna polarizations.

--- The final measurement will be done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, EUT-table position, antenna polarization, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

4) Sequence of testing above 18 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 1 meter.

--- The EUT was set into operation.

Premeasurement:

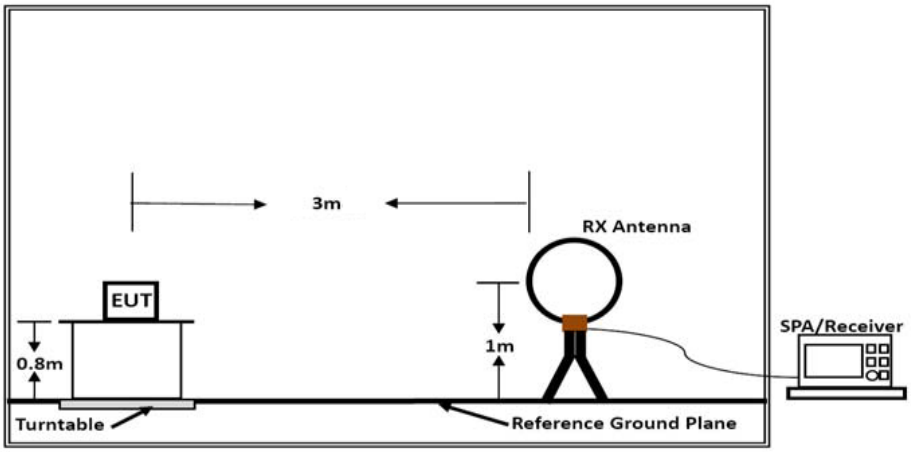
--- The antenna is moved spherical over the EUT in different polarizations of the antenna.

Final measurement:

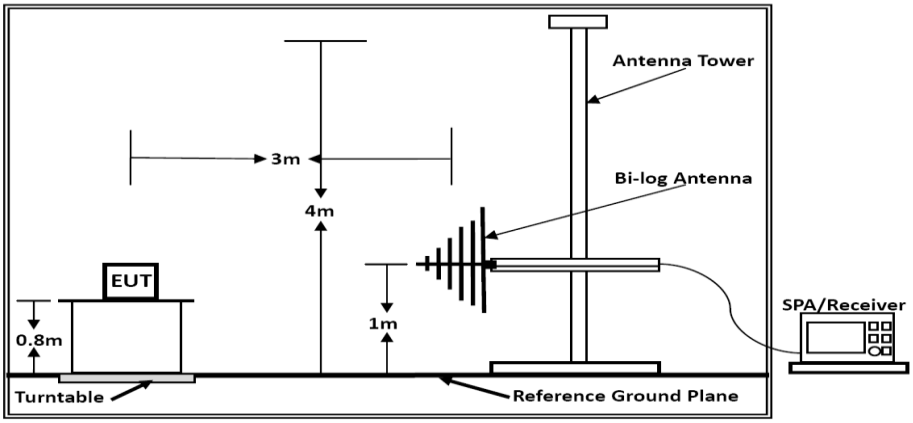
--- The final measurement will be performed at the position and antenna orientation for all detected emissions that were found during the premeasurements with Peak and Average detector.

--- The final levels, frequency, measuring time, bandwidth, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

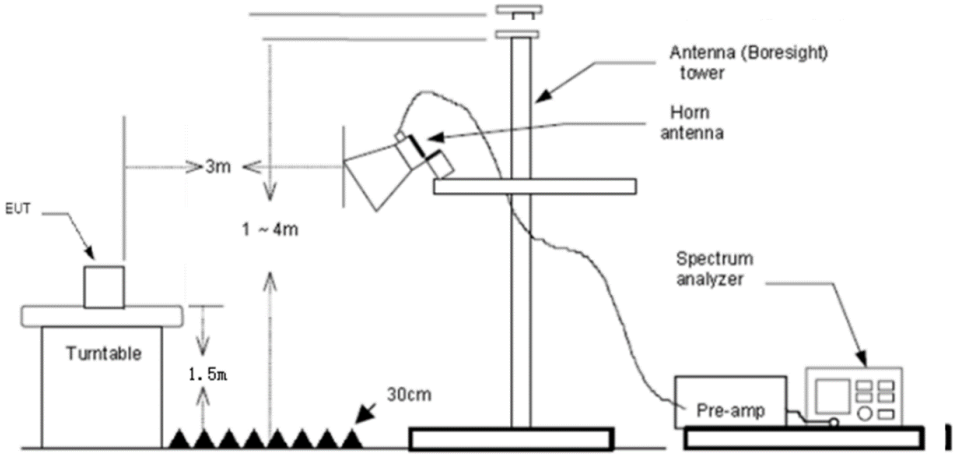
5.4.4. Test Setup Layout



Below 30MHz



Below 1GHz



Above 18 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1m.

5.4.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.4.6. Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS (dBuV/m) = RA (dBuV) + AF (dB/m) + CL (dB) – AG (dB)

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

5.4.7. Results of Radiated Emissions (9 KHz~30MHz)

Temperature	23.8℃	Humidity	52.1%
Test Engineer	Paddi Chen	Configurations	BT LE, 1 Mbps

Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Over Limit (dBuV)	Remark
-	-	-	-	See Note

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor = 40 log (specific distance / test distance) (dB);
Limit line = specific limits (dBuV) + distance extrapolation factor.

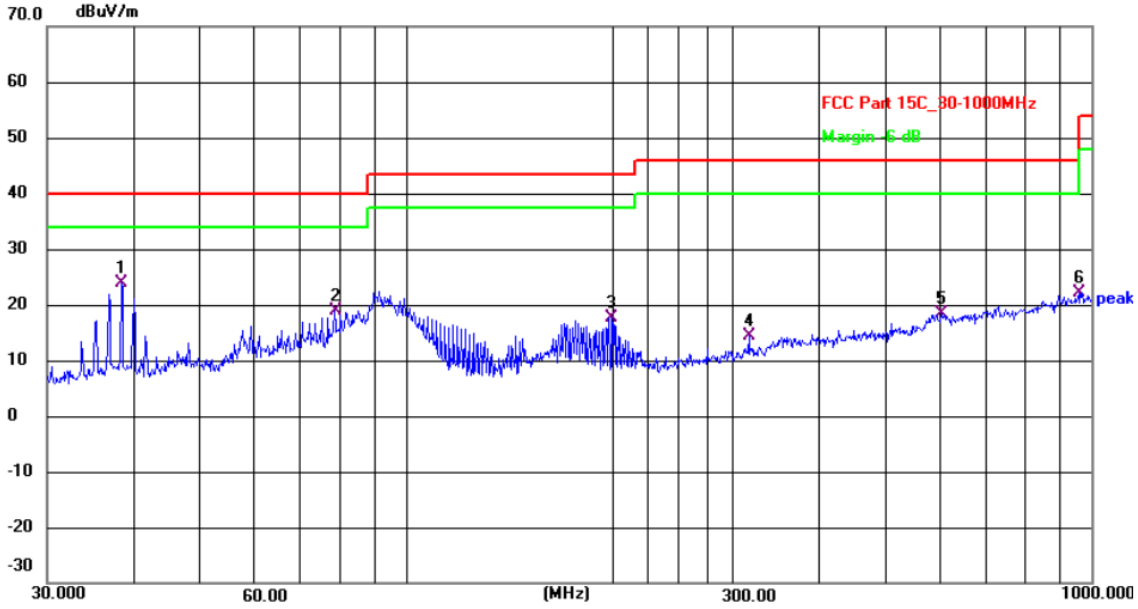
5.4.8. Results of Radiated Emissions (30MHz~1GHz)

Temperature	23.8℃	Humidity	52.1%
Test Engineer	Paddi Chen	Configurations	BT LE, 1 Mbps

PASS.

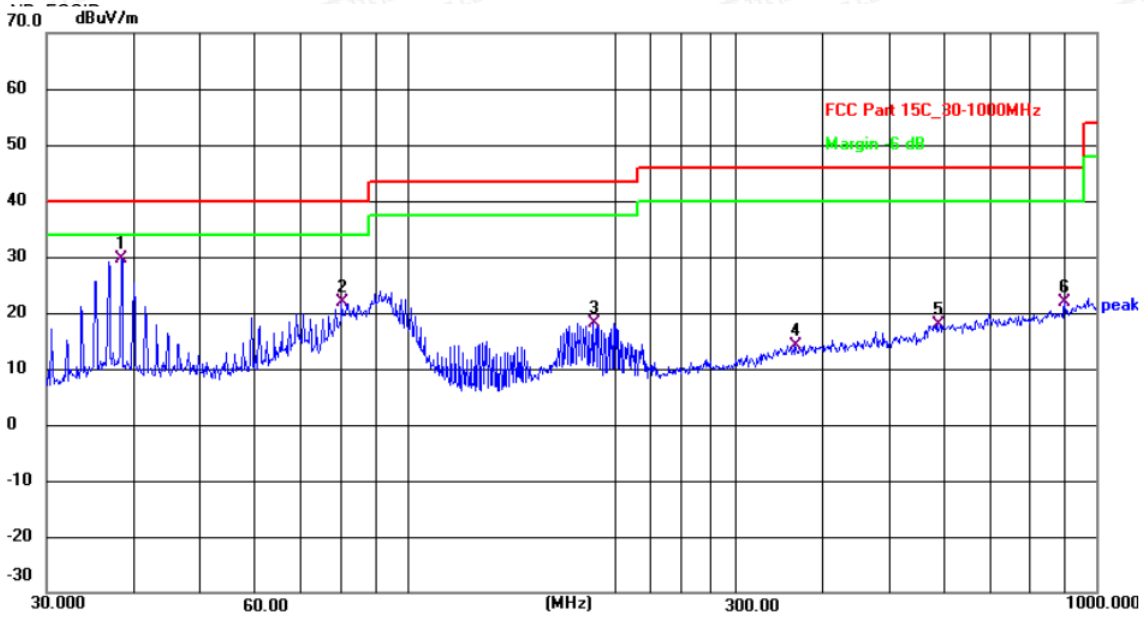
The test data please refer to following page.

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.4809	41.03	-17.13	23.90	40.00	-16.10	QP
2	78.6888	38.84	-19.86	18.98	40.00	-21.02	QP
3	199.2855	36.28	-18.58	17.70	43.50	-25.80	QP
4	316.5890	29.77	-15.39	14.38	46.00	-31.62	QP
5	603.5392	28.46	-10.00	18.46	46.00	-27.54	QP
6	958.7943	28.85	-6.76	22.09	46.00	-23.91	QP

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.4809	47.26	-17.62	29.64	40.00	-10.36	QP
2	80.3619	41.62	-19.84	21.78	40.00	-18.22	QP
3	186.4409	36.63	-18.46	18.17	43.50	-25.33	QP
4	365.5391	29.00	-14.79	14.21	46.00	-31.79	QP
5	588.9051	28.50	-10.63	17.87	46.00	-28.13	QP
6	900.1474	30.14	-8.30	21.84	46.00	-24.16	QP

Note:

1). Pre-scan all modes and recorded the worst case results in this report BT LE mode (1Mbps-Middle Channel).

2). Emission level (dBuV/m) = 20 log Emission level (uV/m).

3). Level = Reading + Factor, Margin = Level – Limit, Factor = Antenna Factor + Cable Loss - Preamp Factor

5.4.9. Results for Radiated Emissions (1 GHz~26.5GHz)

Note: All the modes have been tested and recorded worst mode in the report.

worst mode: BT LE, 1 Mbps

Channel 0 / 2402 MHz

Freq. MHz	Reading dBuv	Ant. Fac. dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuv/m	Limit dBuv/m	Margin dB	Remark	Pol.
4804.00	54.04	33.06	35.04	3.94	56.00	74.00	-18.00	Peak	Horizontal
4804.00	42.50	33.06	35.04	3.94	44.46	54.00	-9.54	Average	Horizontal
4804.00	56.65	33.06	35.04	3.94	58.61	74.00	-15.39	Peak	Vertical
4804.00	43.86	33.06	35.04	3.94	45.82	54.00	-8.18	Average	Vertical

Channel 19 / 2440 MHz

Freq. MHz	Reading dBuv	Ant. Fac. dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuv/m	Limit dBuv/m	Margin dB	Remark	Pol.
4880.00	55.07	33.16	35.15	3.96	57.04	74.00	-16.96	Peak	Horizontal
4880.00	43.62	33.16	35.15	3.96	45.59	54.00	-8.41	Average	Horizontal
4880.00	59.85	33.16	35.15	3.96	61.82	74.00	-12.18	Peak	Vertical
4880.00	44.97	33.16	35.15	3.96	46.94	54.00	-7.06	Average	Vertical

Channel 39 / 2480 MHz

Freq. MHz	Reading dBuv	Ant. Fac. dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuv/m	Limit dBuv/m	Margin dB	Remark	Pol.
4960.00	60.38	33.26	35.14	3.98	62.48	74.00	-11.52	Peak	Horizontal
4960.00	43.64	33.26	35.14	3.98	45.74	54.00	-8.26	Average	Horizontal
4960.00	53.98	33.26	35.14	3.98	56.08	74.00	-17.92	Peak	Vertical
4960.00	45.20	33.26	35.14	3.98	47.30	54.00	-6.70	Average	Vertical

Notes:
1). Pre-scan all modes and recorded the worst case results in this report BT LE mode (1Mbps-Middle Channel).
2). Measuring frequencies from 9 KHz~10th harmonic or 26.5GHz (which is less), at least have 20dB margin found between lowest internal used/generated frequency to 30MHz.
3). Radiated emissions measured in frequency range from 9 KHz~10th harmonic or 26.5GHz (which is less) were made with an instrument using Peak detector mode.
4). Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5). Measured Level = Reading Level + Factor, Margin = Measured Level – Limit,
Factor = Antenna Factor + Cable Loss - Preamp Factor

5.5. Band edge Measurements and Conducted Spurious Emissions Test

5.5.1. Standard Applicable

According to §15.247 (d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

5.5.2. Measuring Instruments and Setting

Please refer to section 6 of equipment list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Detector	Peak
Attenuation	Auto
RB / VB (Emission in restricted band)	100KHz/300KHz
RB / VB (Emission in non-restricted band)	100KHz/300KHz

5.5.3. Test Procedures

The transmitter output is connected to a spectrum analyzer. The resolution bandwidth is set to 100 kHz. The video bandwidth is set to 300 kHz

The spectrum from 30 MHz to 26.5GHz is investigated with the transmitter set to the lowest, middle, and highest channels.

5.5.4. Test Setup Layout

This test setup layout is the same as that shown in section 5.1.4.

5.5.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.5.6. Test Results of Conducted Spurious Emissions

PASS

Please refer to Appendix B.4 for band edge measurements;

Please refer to Appendix B.5 for conducted spurious emission.

Remark:
1). Test results including cable loss;
2). “---“means that the fundamental frequency not for 15.209 limits requirement.
3). Not recorded emission from 9 KHz to 30 MHz as emission level at least 20dBc lower than emission limit.

5.6. On Time and Duty Cycle

5.6.1. Standard Applicable

None: for reporting purpose only.

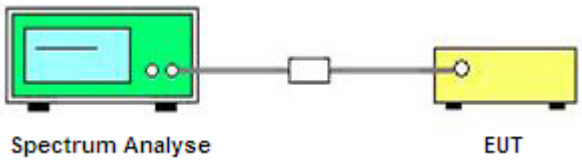
5.6.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of the spectrum analyzer.

5.6.3. Test Procedures

1. Set the center frequency of the spectrum analyzer to the transmitting frequency;
2. Set the span=0MHz, RBW=8.0MHz, VBW=8.0MHz, Sweep time=Auto
3. Detector = peak;
4. Trace mode = Single hold.

5.6.4. Test Setup Layout



5.6.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.6.6. Test result

For reporting purpose only.

Please refer to Appendix B.6

5.7. AC Power line conducted emissions

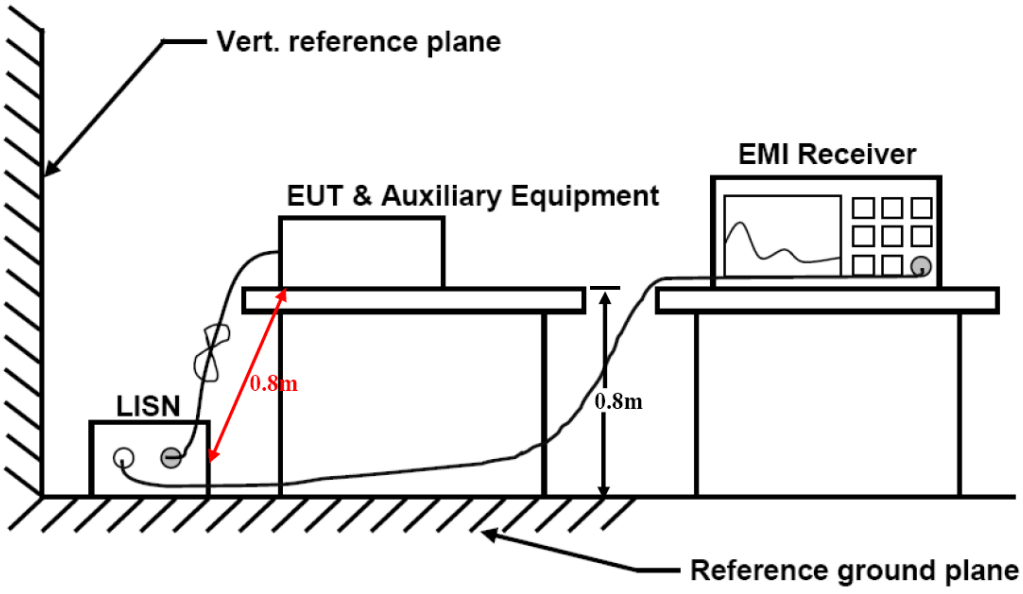
5.7.1 Standard Applicable

According to §15.207 (a): For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range are listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

* Decreasing linearly with the logarithm of the frequency

5.7.2 Block Diagram of Test Setup



5.7.3 Disturbance Calculation

The AC mains conducted disturbance is calculated by adding the 10dB Pulse Limiter and Cable Factor and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

CD (dBuV) = RA (dBuV) + PL (dB) + CL (dB)

Where CD = Conducted Disturbance	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	PL = 10 dB Pulse Limiter Factor

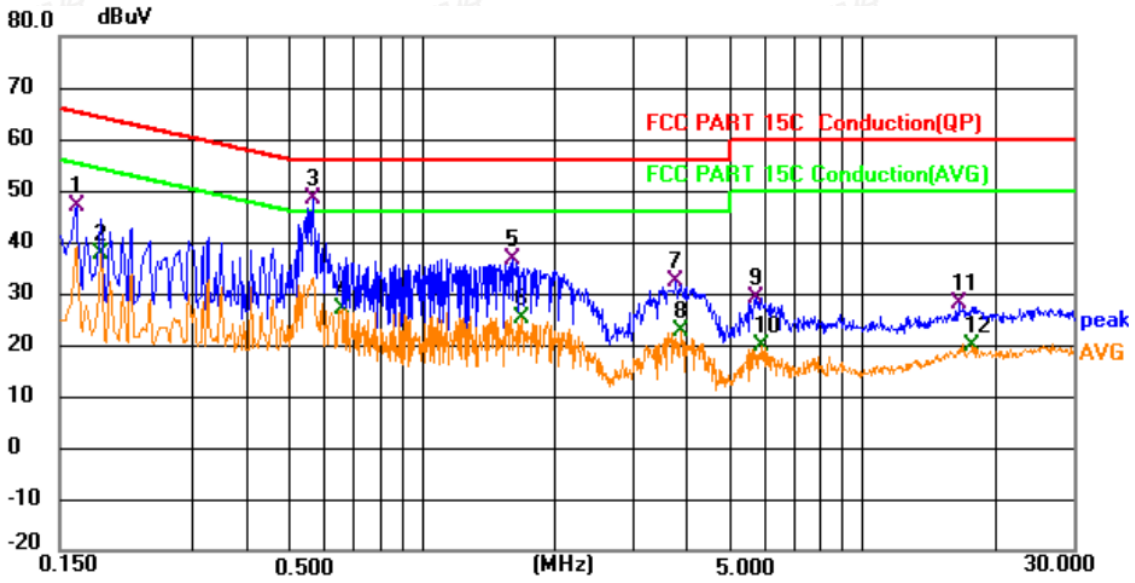
5.7.4 Test Results

Temperature	22.5℃	Humidity	53.7%
Test Engineer	Paddi Chen	Configurations	BT LE, 1 Mbps

PASS.

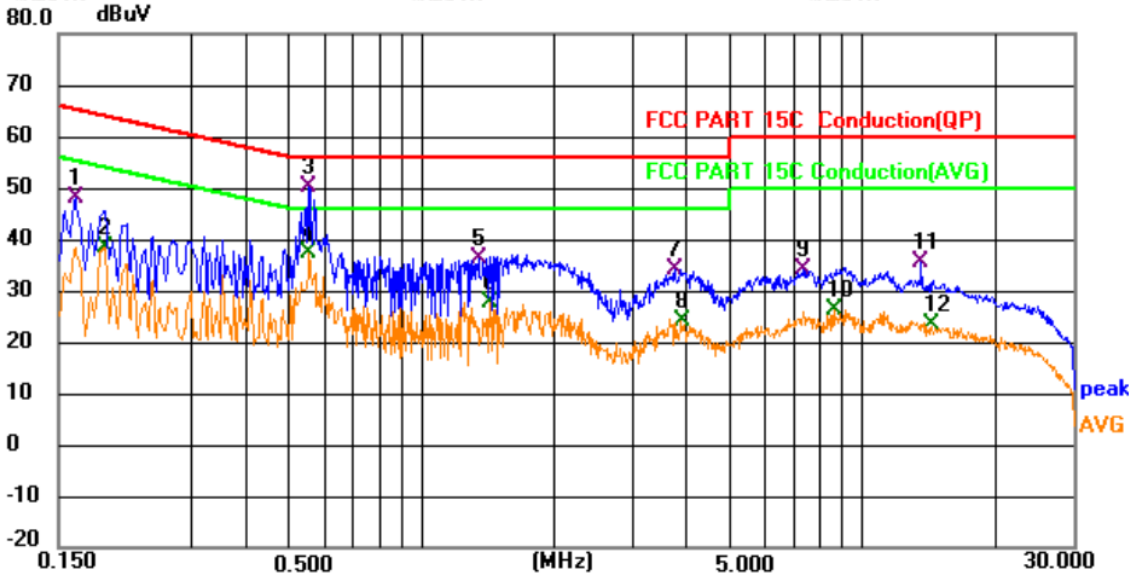
The test data please refer to following page.

Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.164	27.29	19.82	47.11	65.26	-18.15	QP	
2		0.186	18.06	19.71	37.77	54.21	-16.44	AVG	
3	*	0.564	28.61	19.64	48.25	56.00	-7.75	QP	
4		0.654	7.72	19.36	27.08	46.00	-18.92	AVG	
5		1.602	17.52	19.02	36.54	56.00	-19.46	QP	
6		1.671	6.09	19.01	25.10	46.00	-20.90	AVG	
7		3.759	12.98	19.19	32.17	56.00	-23.83	QP	
8		3.840	3.39	19.17	22.56	46.00	-23.44	AVG	
9		5.713	10.27	18.90	29.17	60.00	-30.83	QP	
10		5.898	0.89	18.89	19.78	50.00	-30.22	AVG	
11		16.486	8.45	19.69	28.14	60.00	-31.86	QP	
12		17.661	0.43	19.48	19.91	50.00	-30.09	AVG	

Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.164	28.46	19.64	48.10	65.26	-17.16	QP	
2		0.191	18.57	19.74	38.31	53.99	-15.68	AVG	
3	*	0.555	30.74	19.42	50.16	56.00	-5.84	QP	
4		0.555	18.02	19.42	37.44	46.00	-8.56	AVG	
5		1.351	17.40	18.91	36.31	56.00	-19.69	QP	
6		1.433	8.62	18.94	27.56	46.00	-18.44	AVG	
7		3.745	15.24	18.99	34.23	56.00	-21.77	QP	
8		3.881	5.17	18.98	24.15	46.00	-21.85	AVG	
9		7.309	14.55	19.70	34.25	60.00	-25.75	QP	
10		8.628	6.43	19.82	26.25	50.00	-23.75	AVG	
11		13.565	15.81	19.68	35.49	60.00	-24.51	QP	
12		14.298	3.63	19.71	23.34	50.00	-26.66	AVG	

****Note: 1).Pre-scan all modes and recorded the worst case results in this report BT LE mode (1Mbps-Middle Channel).*

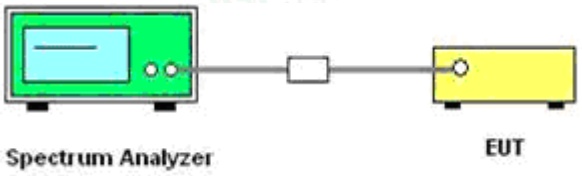
2). Measurement = Reading + Correct Factor, Margin = Measurement – Limit,
Correct Factor=Lisn Factor+Cable Factor+Insertion loss of Pulse Limiter.

5.8. Emissions in Restricted Bands

5.8.1 Standard Applicable

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

5.8.2. Test Setup Layout



5.8.3. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of Spectrum Analyzer.

5.8.4. Test Procedures

According to KDB558074 D01 15.247 Meas Guidance v05r02 for Antenna-port conducted measurement. Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.
1). Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2). Remove the antenna from the EUT and then connect to a low loss RF cable from the antenna port to an EMI test receiver, then turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range.
3). Set both RBW and VBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100kHz bandwidth from band edge, for Radiated emissions restricted band RBW=1MHz, VBW=3MHz for peak detector and RBW=1MHz, VBW=1/T for AV detector.
4). Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5). Repeat above procedures until all measured frequencies were complete.
6). Measure the conducted output power (in dBm) using the detector specified by the appropriate regulatory agency (see 12.2.2, 12.2.3, and 12.2.4 for guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
7). Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see 12.2.5 for guidance on determining the applicable antenna gain)
8). Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
9). For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
10). Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$E = EIRP – 20\log D + 104.8 = EIRP + 95.26$

Where:
E = electric field strength in dBμV/m,
EIRP = equivalent isotropic radiated power in dBm
D = specified measurement distance in meters.
11). Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.
12). Compare the resultant electric field strength level to the applicable regulatory limit.
13). Perform radiated spurious emission test duress until all measured frequencies were complete.

5.8.5 Test Results

PASS

Please refer to Appendix B.7

Remark:
1). Test results including cable loss;
2). "---"means that the fundamental frequency not for 15.209 limits requirement;
3). The average measurement was not performed when the peak measured data under the limit of average detection.
4). Detector AV is setting spectrum/receiver. RBW=1MHz/VBW=1/T/Sweep time=Auto/Detector=Peak.
5). Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.

5.9. Antenna Requirements

5.9.1 Standard Applicable

According to antenna requirement of §15.203.

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be re-placed by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

And according to §15.247(4)(1), system operating in the 2400-2483.5MHz bands that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

5.9.2 Antenna Connected Construction

5.9.2.1. Standard Applicable

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

5.9.2.2. Antenna Connector Construction

The gains of antenna used for transmitting is 0.93dBi(Max.), and the antenna is PIFA Antenna and no consideration of replacement. Please see EUT photo for details.

5.9.2.3. Results: Compliance.

6. LIST OF MEASURING EQUIPMENTS

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2024-06-06	2025-06-05
2	Power Sensor	R&S	NRV-Z81	100458	2024-06-06	2025-06-05
3	Power Sensor	R&S	NRV-Z32	10057	2024-06-06	2025-06-05
4	Test Software	Tonscend	JS1120-2	/	N/A	N/A
5	RF Control Unit	Tonscend	JS0806-2	N/A	2024-11-08	2025-11-07
6	MXA Signal Analyzer	Agilent	N9020A	MY50510140	2024-10-08	2025-10-07
7	DC Power Supply	Agilent	E3642A	N/A	2024-10-08	2025-10-07
8	EMI Test Software	AUDIX	E3	/	N/A	N/A
9	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2024-06-06	2025-06-05
10	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
11	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2024-07-13	2027-07-12
12	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2024-08-03	2027-08-02
13	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2024-07-13	2027-07-12
14	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2024-07-13	2027-07-12
15	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2024-07-30	2025-07-29
16	EMI Test Receiver	R&S	ESR 7	101181	2024-06-06	2025-06-05
17	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2024-06-06	2025-06-05
18	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2024-10-08	2025-10-07
19	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2024-10-08	2025-10-07
20	6dB Attenuator	/	100W/6dB	1172040	2024-06-06	2025-06-05
21	3dB Attenuator	/	2N-3dB	/	2024-10-08	2025-10-07
22	EMI Test Receiver	R&S	ESPI	101940	2024-06-06	2025-06-05
23	Artificial Mains	R&S	ENV216	101288	2024-06-06	2025-06-05
24	10dB Attenuator	SCHWARZBECK	MTS-IMP-136	261115-001-0032	2024-06-06	2025-06-05
25	EMI Test Software	Farad	EZ	/	N/A	N/A
26	Antenna Mast	Max-Full	MFA-515BSN	1308572	N/A	N/A
27	Pulse Limiter	R&S	ESH3-Z2	102750-NB	2024-06-06	2025-06-05

7. TEST SETUP PHOTOGRAPHS OF EUT

Please refer to separated files for Test Setup Photos of the EUT.

8. EXTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

9. INTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

----------THE END OF REPORT----------

FCC TEST REPORT

For

Lunar Industries inc.

Smart Phone

Test Model: BraX3

Prepared for	:	Lunar Industries inc.
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel	:	(+86)755-82591330
Fax	:	(+86)755-82591332
Web	:	www.LCS-cert.com
Mail	:	webmaster@LCS-cert.com
Date of receipt of test sample	:	February 26, 2025
Number of tested samples	:	2
Sample No.	:	A250303080-1, A250303080-2
Serial number	:	Prototype
Date of Test	:	February 26, 2025 ~ March 25, 2025
Date of Report	:	March 26, 2025

FCC TEST REPORT
FCC CFR 47 PART 15 C(15.247)

Report Reference No.	**:**	**LCSA11204234ED**
Date of Issue.....	:	March 26, 2025
Testing Laboratory Name	**:**	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address.....	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Testing Location/ Procedure	:	Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □
Applicant's Name	**:**	**Lunar Industries inc.**
Address.....	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Test Specification		
Standard	:	FCC CFR 47 PART 15 C(15.247)
Test Report Form No.....	**:**	TRF-4-E-147 A/0
TRF Originator.....	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF.....	:	Dated 2011-03

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EUT Description.....	**:**	**Smart Phone**
Trade Mark	:	Brax
Test Model.....	:	BraX3
Ratings.....	:	Please Refer to Page 6
Result	**:**	**Positive**

Compiled by:	**Supervised by:**	**Approved by:**
Jack Liu/Administrator	Cary Luo/ Technique principal	Gavin Liang/ Manager

FCC -- TEST REPORT

Test Report No. : **LCSA11204234ED**	March 26, 2025 Date of issue

Test Model.....	: BraX3
EUT.....	: Smart Phone
Applicant.....	**: Lunar Industries inc.**
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Manufacturer.....	**: Lunar Industries inc.**
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Factory.....	**: Sichuan koobee communication equipment Co., Ltd.**
Address.....	: Building 2, No.69, West of gangyuan Road, Lingang economic and technological development zone, Yibin City, Sichuan Province, P.R.China
Telephone.....	: /
Fax.....	: /

Test Result	**Positive**

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revision History

Report Version	Issue Date	Revision Content	Revised By
000	March 26, 2025	Initial Issue	--

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1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	Smart Phone
Test Model	:	BraX3
Ratings	:	Input:5V⎓2A DC 3.87V by Rechargeable Li-ion Battery, 4900mAh
Hardware Version	:	KE115S_01
Software Version	:	V600.BX3.25032025.16.19.AD
Bluetooth	:	
Frequency Range	:	2402MHz~2480MHz
Channel Number	:	79 channels for Bluetooth V5.2 (DSS) 40 channels for Bluetooth V5.2 (DTS)
Channel Spacing	:	1MHz for Bluetooth V5.2 (DSS) 2MHz for Bluetooth V5.2 (DTS)
Modulation Type	:	GFSK, π/4-DQPSK, 8-DPSK for Bluetooth V5.2 (DSS) GFSK for Bluetooth V5.2 (DTS)
Bluetooth Version	:	V5.2
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(2.4G Band)	:	
Frequency Range	:	2412MHz~2462MHz
Channel Spacing	:	5MHz
Channel Number	:	11 Channels for 20MHz bandwidth (2412~2462MHz) 7 Channels for 40MHz bandwidth (2422~2452MHz)
Modulation Type	:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(5.2G Band)	:	
Frequency Range	:	5180MHz~5240MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5180MHz~5240MHz) 2 channels for 40MHz bandwidth(5190MHz~5230MHz) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.3G Band)		
Frequency Range	:	5260MHz~5320MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5260MHz~5320MHz) 2 channels for 40MHz bandwidth(5270MHz~5310MHz) 1 channels for 80MHz bandwidth(5290MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.5G Band)	:	
Frequency Range	:	5500MHz~5700MHz
Channel Number	:	11 Channels for 20MHz bandwidth(5500MHz~5700MHz)

		5 Channels for 40MHz bandwidth(5510MHz~5670MHz) 2 Channels for 80MHz bandwidth(5530MHz, 5610MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.8G Band)	:	
Frequency Range	:	5745MHz~5825MHz
Channel Number	:	5 channels for 20MHz bandwidth(5745MHz~5825MHz) 2 channels for 40MHz bandwidth(5755MHz~5795MHz) 1 channels for 80MHz bandwidth(5775MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5),0.65dBi(Max.)
2G	:	
Support Band	:	☒GSM 900 (EU-Band) ☒DCS 1800 (EU-Band) ☒GSM 850 (U.S.-Band) ☒PCS 1900 (U.S.-Band)
Release Version	:	R9
GPRS Class	:	Class 12
EGPRS Class	:	Class 12
Type Of Modulation	:	GMSK for GSM/GPRS; GMSK/8PSK for EGPRS
Antenna Description	:	GSM 850: -3.2 dBi(ANT0), -6.0 dBi(ANT3) PCS 1900: -0.8 dBi(ANT3), -2.0 dBi(ANT0)
3G	:	
Support Band	:	☒WCDMA Band I (EU-Band) ☒WCDMA Band II (U.S.-Band) ☒WCDMA Band IV (U.S.-Band) ☒WCDMA Band V (U.S.-Band) ☒WCDMA Band VIII (EU-Band)
Release Version	:	R9
Type Of Modulation	:	QPSK,16QAM
Antenna Description	:	PIFA Antenna WCDMA Band II -0.8 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band IV -1.45 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band V -3.2 dBi(ANT0), -6.0 dBi(ANT3)
LTE	:	
Support Band	:	☒E-UTRA Band 1(EU-Band) ☒E-UTRA Band 2(U.S.-Band) ☒E-UTRA Band 3(EU-Band) ☒E-UTRA Band 4(U.S.-Band) ☒E-UTRA Band 5(U.S.-Band) ☒E-UTRA Band 7(U.S.-Band) ☒E-UTRA Band 8(EU-Band) ☒E-UTRA Band 12(U.S.-Band) ☒E-UTRA Band 13(U.S.-Band) ☒E-UTRA Band 17(U.S.-Band) ☒E-UTRA Band 25(U.S.-Band) ☒E-UTRA Band 26(U.S.-Band) ☒E-UTRA Band 28(EU-Band) ☒E-UTRA Band 38(U.S.-Band)

		☒E-UTRA Band 40(EU-Band) ☒E-UTRA Band 41(U.S.-Band) ☒E-UTRA Band 42(EU-Band) ☒E-UTRA Band 66(U.S.-Band) ☒E-UTRA Band 71(U.S.-Band)
LTE Release Version	:	R15
Type Of Modulation	:	QPSK/16QAM
Antenna Description	:	PIFA Antenna For E-UTRA Band 2 -0.8 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 4 -1.45 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 5 -3.2 dBi(ANT0),-1.8 dBi(ANT3) For E-UTRA Band 7 -0.6 dBi(ANT3),-1.8 dBi(ANT0), -1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 12 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 13 -3.0 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 17 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 25 -0.75 dBi(ANT3), -2.0 dBi(ANT0) ,-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 26 -3.3 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 38 -0.6 dBi(ANT3),-1.1 dBi(ANT0),-1.8 dBi(ANT2), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 41 –0.6 dBi(ANT3), -1.1 dBi(ANT0),-1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 66 -0.78 dBi(ANT3), -2.0 dBi(ANT0),-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 71 -3.3 dBi(ANT0), -2.0 dBi(ANT3)
Power Class	:	Class 3
NR	:	
Operation Band	:	SA Band: n1: UL: 1920MHz~1980MHz, DL: 2110MHz~2170MHz n2: UL: 1850MHz~1910MHz, DL: 1930MHz~1990MHz n3: UL: 1710MHz~1785MHz, DL:1805MHz~1880MHz n5: UL: 824MHz~849MHz, DL:869MHz~894MHz n7: UL: 2500MHz~2570MHz, DL: 2620MHz~2690MHz n25: UL: 1850MHz~1915MHz, DL: 1930MHz~1995MHz n26: UL: 814MHz~849MHz, DL: 859MHz~894MHz n28: UL: 703MHz~748MHz, DL: 758MHz~803MHz n38: UL & DL: 2570MHz~2620MHz n40: UL & DL: 2300MHz~2400MHz n41: UL & DL: 2496MHz~2690MHz n66: UL: 1710MHz~1780MHz, DL: 2110MHz~2180MHz n71: UL: 663MHz~698MHz, DL: 617MHz~652MHz n77: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3980 MHz n78: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3800 MHz
Support Type	:	☒SA
Subcarrier Spacing	:	15KHz,30KHz
Modulation Type	:	DFT-BPSK, DFT-QPSK, DFT-16QAM, DFT-64QAM, DFT-256QAM CP-QPSK, CP-16QAM, CP-64QAM, CP-256QAM
SCS and Channel Bandwidths	:	n2_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,35 MHz,40 MHz

		n5_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n7_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz,50MHz n25_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n26_SCS 15kHz(814~824MHz): 5 MHz,10 MHz n26_SCS 15kHz(824~849MHz): 5 MHz,10 MHz,15 MHz,20 MHz n38_SCS 30kHz:10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n41_SCS 30kHz: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz,90 MHz,100 MHz n66_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n71_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n77_SCS 30kHz: 20 MHz,50 MHz,100 MHz n78_SCS 30kHz: 20 MHz,50 MHz,100 MHz
Power Class	:	NR Band 2/5/7/25/26/38/41:PC3 NR Band 66/71/77/78: PC2
Antenna Description	:	PIFA Antenna NR Band n2: -0.8 dBi(ANT3), -6.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n5: -3.2 dBi(ANT0), -6.0 dBi(ANT3) NR Band n7: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n25: -0.75 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n26: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n38: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n41: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n66: -0.78 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n71: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n77: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7) NR Band n78: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7)
NFC	:	
Operating Frequency	:	13.56MHz
Modulation Type	:	ASK
Antenna Description	:	Internal Antenna
GPS Function	:	Support and only RX
FM Function	:	Support and only RX
Extreme temp. Tolerance	:	-30°C to +50°C
Extreme vol. Limits	:	3.3VDC to 4.45VDC (nominal: 3.87VDC)

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

1.2. Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN TIANYIN ELECTRONICS CO., LTD	Power Adapter	TPA-46050200UU	--	FCC

Note: Auxiliary equipment is provided by the laboratory.

1.3 External I/O Cable

I/O Port Description	Quantity	Cable
Type-C USB Port	1	N/A
Earphone Jack Port	1	N/A

1.4. Description of Test Facility

NVLAP Accreditation Code is 600167-0.
FCC Designation Number is CN5024.
CAB identifier is CN0071.
CNAS Registration Number is L4595.
Test Firm Registration Number: 254912.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

1.5. Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

1.6. Measurement Uncertainty

Test Item		Frequency Range	Uncertainty	Note
Radiation Uncertainty	:	9KHz~30MHz	±3.10dB	(1)
		30MHz~200MHz	±2.96dB	(1)
		200MHz~1000MHz	±3.10dB	(1)
		1GHz~26.5GHz	±3.80dB	(1)
		26.5GHz~40GHz	±3.90dB	(1)
Conduction Uncertainty	:	150kHz~30MHz	±1.63dB	(1)
Power disturbance	:	30MHz~300MHz	±1.60dB	(1)
Power Spectral Density	:	1GHz-40GHz	±1.2dB	(1)
Occupied Channel Bandwidth	:	1GHz-40GHz	±5%	(1)
Conducted RF Spurious Emission	:	9kHz-40GHz	±1.80dB	(1)
Emissions in Restricted Bands	:	1GHz-40GHz	±2.47dB	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.7. Description of Test Modes

The EUT has been tested under operating condition.

This test was performed with EUT in X, Y, Z position and the worst case was found when EUT in Y position.

AC conducted emission pre-test at both at AC 120V/60Hz and AC 240V/60Hz modes, recorded worst case;

Worst-case mode and channel used for 150 KHz-30 MHz power line conducted emissions was determined to be IEEE 802.11b mode (Low Channel).

Worst-case mode and channel used for 9 KHz-1000 MHz radiated emissions was determined to be IEEE 802.11b mode (Low Channel).

Worst-Case data rates were utilized from preliminary testing of the Chipset, worst-case data rates used during the testing are as follows:

IEEE 802.11b Mode: 1 Mbps, DSSS.
IEEE 802.11g Mode: 6 Mbps, OFDM.
IEEE 802.11n Mode HT20: MCS0, OFDM.
IEEE 802.11n Mode HT40: MCS0, OFDM.

Channel List & Frequency

IEEE 802.11b/g/n HT20

Frequency Band	Channel No.	Frequency(MHz)	Channel No.	Frequency(MHz)
2412~2462MHz	1	2412	7	2442
	2	2417	8	2447
	3	2422	9	2452
	4	2427	10	2457
	5	2432	11	2462
	6	2437	---	---

IEEE 802.11n HT40

Frequency Band	Channel No.	Frequency(MHz)	Channel No.	Frequency(MHz)
2422~2452MHz	---	---	7	2442
	---	---	8	2447
	3	2422	9	2452
	4	2427	10	---
	5	2432	11	---
	6	2437	---	---

2. TEST METHODOLOGY

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

The radiated testing was performed at an antenna-to-EUT distance of 3 meters. All radiated and conducted emissions measurement was performed at Shenzhen LCS Compliance Testing Laboratory Ltd.

2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2. EUT Exercise

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to FCC's request, Test Procedure KDB558074 D01 15.247 Meas Guidance v05r02 is required to be used for this kind of FCC 15.247 digital modulation device.

According to its specifications, the EUT must comply with the requirements of the Section 15.203, 15.205, 15.207, 15.209 and 15.247 under the FCC Rules Part 15 Subpart C.

2.3. General Test Procedures

2.3.1 Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using Quasi-peak and average detector modes.

2.3.2 Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1GHz and 1.5 m above ground plane above 1GHz. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 6.3 of ANSI C63.10-2013.

2.4. Test Sample

The application provides 2 samples to meet requirement;

Sample Number	Description
Sample 1(A250303080-1)	Engineer sample – continuous transmit
Sample 2(A250303080-2)	Normal sample – Intermittent transmit

3. SYSTEM TEST CONFIGURATION

3.1. Justification

The system was configured for testing in a continuous transmits condition.

3.2. EUT Exercise Software

The system was configured for testing in a continuous transmits condition and change test channels by software provided by application.

3.3. Special Accessories

N/A.

3.4. Block Diagram/Schematics

Please refer to the related document

3.5. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

3.6. Test Setup

Please refer to the test setup photo.

4. SUMMARY OF TEST RESULTS

Applied Standard: FCC Part 15 Subpart C				
FCC Rules	Description of Test	Test Sample	Result	Remark
§15.247(a)(2)	6dB Bandwidth	Sample 1	Compliant	Appendix C.1
§15.209(a)	Radiated Spurious Emissions	Sample 1 Sample 2	Compliant	Note 1
§15.247(b)	Maximum Peak Conducted Output Power	Sample 1	Compliant	Appendix C.2
§15.247(e)	Power Spectral Density	Sample 1	Compliant	Appendix C.3
§15.247(d)	Band Edge Measurements and Conducted Spurious Emissions	Sample 1	Compliant	Appendix C.4 Appendix C.5
/	On Time and Duty Cycle	Sample 1	/	Only reported; Appendix C.6
§15.205	Emissions in Restricted Band	Sample 1	Compliant	Appendix C.7
§15.207(a)	Conducted Emissions	Sample 2	Compliant	Note 1
§15.203	Antenna Requirements	Sample 1	Compliant	Note 1
§15.247(i)§2.1093	RF Exposure	N/A	Compliant	Note 2

Remark:
1. Note 1 – Test results inside test report;
2. Note 2 – Test results in other test report (SAR Report);

5. TEST RESULT

5.1. 6 dB Spectrum Bandwidth Measurement

5.1.1. Standard Applicable

According to §15.247(a) (2): For digital modulation systems, the minimum 6 dB bandwidth shall be at least 500 kHz.

5.1.2. Measuring Instruments and Setting

Please refer to equipment's list in this report. The following table is the setting of the Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto Sweep

5.1.3. Test Procedures

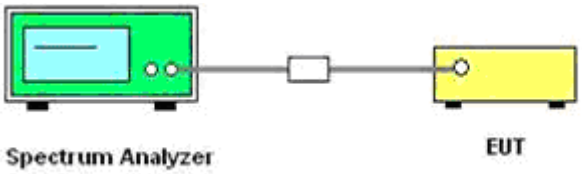
5.1.3.1. The transmitter output (antenna port) was connected to the spectrum analyzer in peak hold mode.

5.1.3.2. Set RBW/VBW = 100 KHz/300KHz (for 6dB bandwidth measurement)

Set RBW = 1%~5% OBW; VBW≥3*RBW (for occupied bandwidth measurement).

5.1.3.3. Measured the 6dB bandwidth and 99% occupied bandwidth by related function of the spectrum analyzer.

5.1.4. Test Setup Layout



5.1.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.1.6. Test Result of 6dB Spectrum Bandwidth

PASS

Please refer to Appendix C.1

Remark:

1). Measured 6dB bandwidth at difference data rate for each mode and recorded worst case for each mode.

2). Test results including cable loss;

3). Worst case data at 1Mbps at IEEE 802.11b; 6Mbps at IEEE 802.11g; 6.5Mbps at IEEE 802.11n HT20; 13.5Mbps at IEEE 802.11n HT40;

5.2. Radiated Emissions Measurement

5.2.1. Standard Applicable

15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
\1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293.	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(\2\)
13.36-13.41			

\1\ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

\2\ Above 38.6

According to §15.247 (d): 20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

5.2.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average
RB / VB (Emission in non-restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB/VB 200Hz/1KHz for QP/AVG
Start ~ Stop Frequency	150kHz~30MHz / RB/VB 9kHz/30KHz for QP/AVG
Start ~ Stop Frequency	30MHz~1000MHz / RB/VB 120kHz/1MHz for QP

5.2.3. Test Procedures

1) Sequence of testing 9 kHz to 30 MHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions.

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna height is 1.0 meter.

--- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

--- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).

--- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

2) Sequence of testing 30 MHz to 1 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height changes from 1 to 3 meter.

--- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter.

--- The final measurement will be done with QP detector with an EMI receiver.

--- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

3) Sequence of testing 1 GHz to 18 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height scan range is 1 meter to 2.5 meter.

--- At each turntable position and antenna polarization the analyzer sweeps with peak detection to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter. This procedure is repeated for both antenna polarizations.

--- The final measurement will be done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, EUT-table position, antenna polarization, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

4) Sequence of testing above 18 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 1 meter.

--- The EUT was set into operation.

Premeasurement:

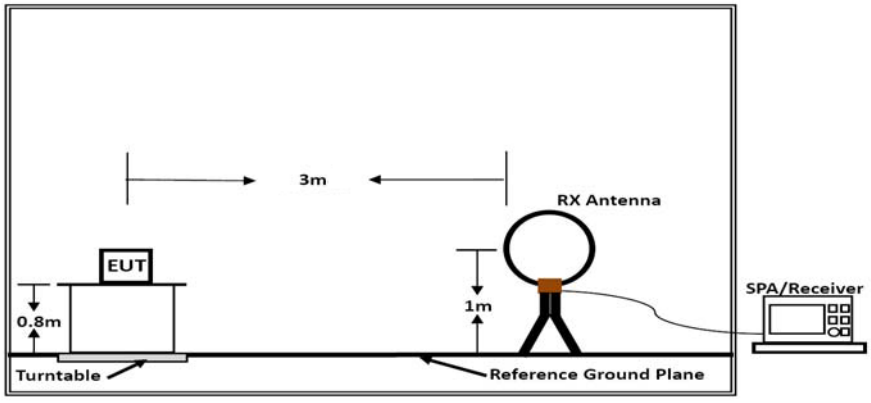
--- The antenna is moved spherical over the EUT in different polarizations of the antenna.

Final measurement:

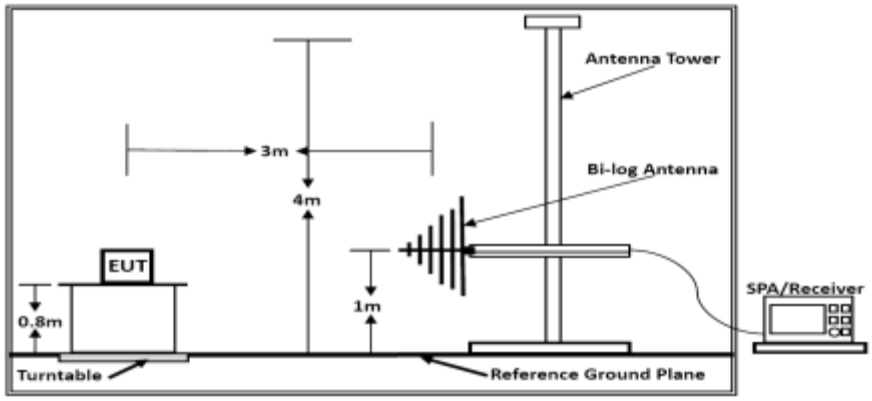
--- The final measurement will be performed at the position and antenna orientation for all detected emissions that were found during the premeasurements with Peak and Average detector.

--- The final levels, frequency, measuring time, bandwidth, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

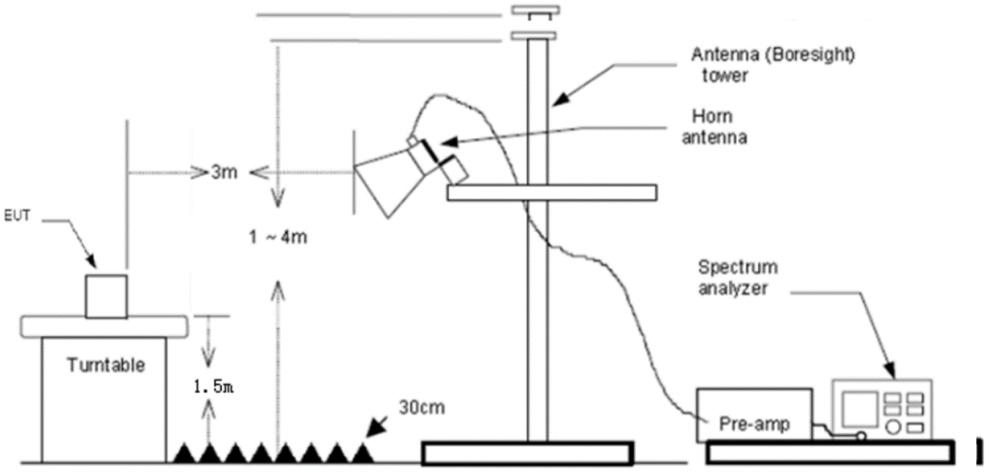
5.2.4. Test Setup Layout



Below 30MHz



Below 1GHz



Above 18 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1m.

5.2.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.2.6. Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS (dBuV/m) = RA (dBuV) + AF (dB/m) + CL (dB) – AG (dB)

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

5.2.7. Results of Radiated Emissions (9 KHz~30MHz)

Temperature	23.8℃	Humidity	52.1%
Test Engineer	Paddi Chen	Configurations	IEEE 802.11b/g/n

Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Over Limit (dB)	Remark
-	-	-	-	See Note

Note:
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor = 40 log (specific distance / test distance) (dB);
Limit line = specific limits (dBuV) + distance extrapolation factor.

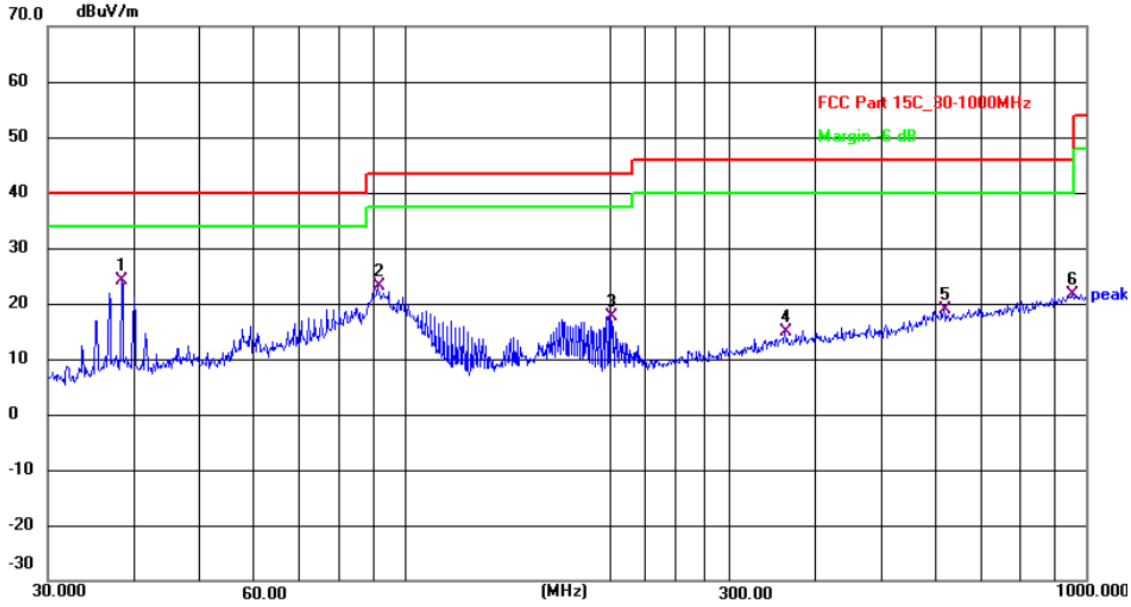
5.2.8. Results of Radiated Emissions (30MHz~1GHz)

Temperature	23.8℃	Humidity	52.1%
Test Engineer	Paddi Chen	Configurations	IEEE 802.11b/g/n

PASS.

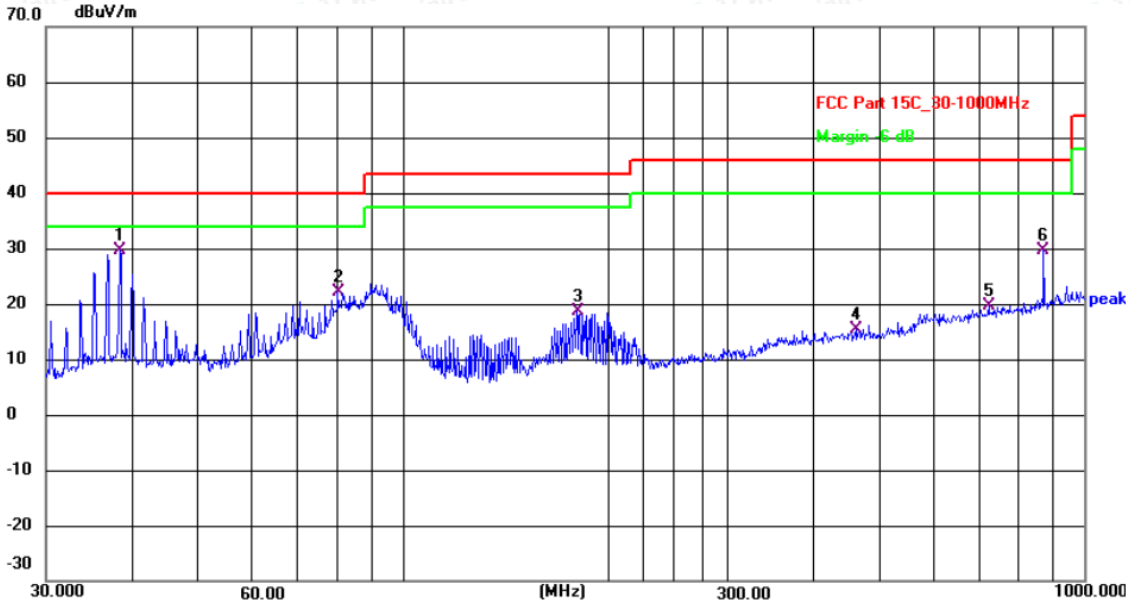
The test data please refer to following page.

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.4809	41.14	-17.13	24.01	40.00	-15.99	QP
2	91.4949	42.35	-19.27	23.08	43.50	-20.42	QP
3	200.6881	36.02	-18.47	17.55	43.50	-25.95	QP
4	361.7139	28.71	-13.80	14.91	46.00	-31.09	QP
5	618.5369	29.09	-10.27	18.82	46.00	-27.18	QP
6	955.4381	28.39	-6.76	21.63	46.00	-24.37	QP

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.4809	47.34	-17.62	29.72	40.00	-10.28	QP
2	80.3619	41.92	-19.84	22.08	40.00	-17.92	QP
3	180.0165	37.40	-18.68	18.72	43.50	-24.78	QP
4	462.3455	29.88	-14.46	15.42	46.00	-30.58	QP
5	724.2611	30.05	-10.53	19.52	46.00	-26.48	QP
6	872.1832	38.33	-8.72	29.61	46.00	-16.39	QP

Note:

Pre-scan all modes and recorded the worst case results in this report IEEE 802.11b mode (Low Channel).

Emission level (dBuV/m) = 20 log Emission level (uV/m).

Measured = Reading +CabLos+Antfac, Margin = Measured-Limit.

5.2.9. Results for Radiated Emissions (1 GHz~26.5 GHz)

Note: All the modes have been tested and recorded worst mode in the report.

IEEE 802.11b

Channel 1 / 2412 MHz

Freq. MHz	Reading dBuV	Ant. Fac. dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4824.00	55.86	33.06	35.04	3.94	57.82	74.00	-16.18	Peak	Horizontal
4824.00	43.18	33.06	35.04	3.94	45.14	54.00	-8.86	Average	Horizontal
4824.00	57.16	33.06	35.04	3.94	59.12	74.00	-14.88	Peak	Vertical
4824.00	42.60	33.06	35.04	3.94	44.56	54.00	-9.44	Average	Vertical

Channel 6 / 2437 MHz

Freq. MHz	Reading dBuV	Ant. Fac. dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4874.00	55.16	33.16	35.15	3.96	57.13	74.00	-16.87	Peak	Horizontal
4874.00	43.03	33.16	35.15	3.96	45.00	54.00	-9.00	Average	Horizontal
4874.00	60.71	33.16	35.15	3.96	62.68	74.00	-11.32	Peak	Vertical
4874.00	45.24	33.16	35.15	3.96	47.21	54.00	-6.79	Average	Vertical

Channel 11 / 2462 MHz

Freq. MHz	Reading dBuV	Ant. Fac. dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4924.00	60.20	33.26	35.14	3.98	62.30	74.00	-11.70	Peak	Horizontal
4924.00	43.56	33.26	35.14	3.98	45.66	54.00	-8.34	Average	Horizontal
4924.00	54.06	33.26	35.14	3.98	56.16	74.00	-17.84	Peak	Vertical
4924.00	43.92	33.26	35.14	3.98	46.02	54.00	-7.98	Average	Vertical

IEEE 802.11g

Channel 1 / 2412 MHz

Freq. MHz	Reading dBuV	Ant. Fac. dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4824.00	55.20	33.06	35.04	3.94	57.16	74.00	-16.84	Peak	Horizontal
4824.00	42.61	33.06	35.04	3.94	44.57	54.00	-9.43	Average	Horizontal
4824.00	56.68	33.06	35.04	3.94	58.64	74.00	-15.36	Peak	Vertical
4824.00	42.72	33.06	35.04	3.94	44.68	54.00	-9.32	Average	Vertical

Channel 6 / 2437 MHz

Freq. MHz	Reading dBuV	Ant. Fac. dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4874.00	56.15	33.16	35.15	3.96	58.12	74.00	-15.88	Peak	Horizontal
4874.00	42.79	33.16	35.15	3.96	44.76	54.00	-9.24	Average	Horizontal
4874.00	60.13	33.16	35.15	3.96	62.10	74.00	-11.90	Peak	Vertical
4874.00	45.55	33.16	35.15	3.96	47.52	54.00	-6.48	Average	Vertical

Channel 11 / 2462 MHz

Freq. MHz	Reading dBuV	Ant. Fac. dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4924.00	59.58	33.26	35.14	3.98	61.68	74.00	-12.32	Peak	Horizontal
4924.00	44.42	33.26	35.14	3.98	46.52	54.00	-7.48	Average	Horizontal
4924.00	52.90	33.26	35.14	3.98	55.00	74.00	-19.00	Peak	Vertical
4924.00	44.28	33.26	35.14	3.98	46.38	54.00	-7.62	Average	Vertical

IEEE 802.11n HT20

Channel 1 / 2412 MHz

Freq. MHz	Reading dBuV	Ant. Fac. dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4824.00	54.25	33.06	35.04	3.94	56.21	74.00	-17.79	Peak	Horizontal
4824.00	43.14	33.06	35.04	3.94	45.10	54.00	-8.90	Average	Horizontal
4824.00	57.29	33.06	35.04	3.94	59.25	74.00	-14.75	Peak	Vertical
4824.00	42.71	33.06	35.04	3.94	44.67	54.00	-9.33	Average	Vertical

Channel 6 / 2437 MHz

Freq. MHz	Reading dBuV	Ant. Fac. dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4874.00	56.26	33.16	35.15	3.96	58.23	74.00	-15.77	Peak	Horizontal
4874.00	42.71	33.16	35.15	3.96	44.68	54.00	-9.32	Average	Horizontal
4874.00	61.81	33.16	35.15	3.96	63.78	74.00	-10.22	Peak	Vertical
4874.00	46.02	33.16	35.15	3.96	47.99	54.00	-6.01	Average	Vertical

Channel 11 / 2462 MHz

Freq. MHz	Reading dBuV	Ant. Fac. dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4924.00	59.79	33.26	35.14	3.98	61.89	74.00	-12.11	Peak	Horizontal
4924.00	44.35	33.26	35.14	3.98	46.45	54.00	-7.55	Average	Horizontal
4924.00	53.21	33.26	35.14	3.98	55.31	74.00	-18.69	Peak	Vertical
4924.00	45.46	33.26	35.14	3.98	47.56	54.00	-6.44	Average	Vertical

IEEE 802.11n HT40

Channel 3 / 2422 MHz

Freq. MHz	Reading dBuV	Ant. Fac. dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4844.00	54.91	33.06	35.04	3.94	56.87	74.00	-17.13	Peak	Horizontal
4844.00	43.68	33.06	35.04	3.94	45.64	54.00	-8.36	Average	Horizontal
4844.00	57.94	33.06	35.04	3.94	59.90	74.00	-14.10	Peak	Vertical
4844.00	42.58	33.06	35.04	3.94	44.54	54.00	-9.46	Average	Vertical

Channel 6 / 2437 MHz

Freq. MHz	Reading dBuV	Ant. Fac. dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4874.00	56.38	33.16	35.15	3.96	58.35	74.00	-15.65	Peak	Horizontal
4874.00	44.41	33.16	35.15	3.96	46.38	54.00	-7.62	Average	Horizontal
4874.00	60.36	33.16	35.15	3.96	62.33	74.00	-11.67	Peak	Vertical
4874.00	45.76	33.16	35.15	3.96	47.73	54.00	-6.27	Average	Vertical

Channel 9 / 2452 MHz

Freq. MHz	Reading dBuV	Ant. Fac. dB/m	Pre. Fac. dB	Cab. Loss dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark	Pol.
4904.00	60.65	33.26	35.14	3.98	62.75	74.00	-11.25	Peak	Horizontal
4904.00	44.54	33.26	35.14	3.98	46.64	54.00	-7.36	Average	Horizontal
4904.00	53.04	33.26	35.14	3.98	55.14	74.00	-18.86	Peak	Vertical
4904.00	43.88	33.26	35.14	3.98	45.98	54.00	-8.02	Average	Vertical

Notes:

1). Measuring frequencies from 9 KHz - 10th harmonic or 26.5GHz (which is less), at least have 20dB margin between lowest internal used/generated frequency to 30MHz.

2). Radiated emissions measured in frequency range from 9 KHz~10th harmonic or 26.5GHz (which is less) were made with an instrument using Peak detector mode.

3). Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

4). Worst case data at 1Mbps at IEEE 802.11b; 6Mbps at IEEE 802.11g; 6.5Mbps at IEEE 802.11n HT20; 13.5Mbps at IEEE 802.11n HT40;

5). Measured Level = Reading Level + Factor, Margin = Measured Level – Limit, Factor = Antenna Factor + Cable Loss - Preamp Factor.

5.3. Maximum Peak Conducted Output Power Measurement

5.3.1. Standard Applicable

According to §15.247(b): For systems using digital modulation in the 2400-2483.5 MHz and 5725-5850 MHz band, the limit for maximum peak conducted output power is 30dBm. The limited has to be reduced by the amount in dB that the gain of the antenna exceeds 6dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3dB that the directional gain of the antenna exceeds 6dBi.

Systems operating in the 5725-5850 MHz band that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi without any corresponding reduction in transmitter peak output power.

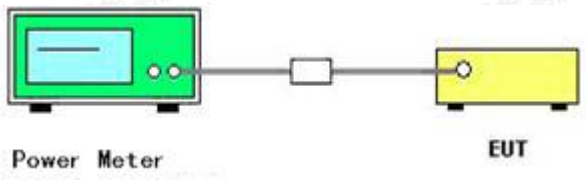
5.3.2. Measuring Instruments and Setting

Please refer to equipment's list in this report. The following table is the setting of the power meter.

5.3.3. Test Procedures

According to C63.10-2013 clause 11.9.1.3 Maximum peak conducted output power, 9.1.3 the maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall utilize a fast-responding diode detector.

5.3.4. Test Setup Layout



5.3.5. EUT Operation during Test

1) The EUT is configured to transmit continuously.
2) At all times when the EUT is transmitting, it shall be transmitting at its maximum power control level.
3) The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.

5.3.6. Test Result of Maximum Peak Conducted Output Power

PASS

Please refer to Appendix C.2

Remark:

1). Measured output power at difference data rate for each mode and recorded worst case for each mode.

2). Test results including cable loss;

3). Worst case data at 1Mbps at IEEE 802.11b; 6Mbps at IEEE 802.11g; 6.5Mbps at IEEE 802.11n HT20; 13.5Mbps at IEEE 802.11n HT40;

4). Peak power only for report.

5.4. Power Spectral Density Measurement

5.4.1. Standard Applicable

According to §15.247(e): For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission.

5.4.2. Measuring Instruments and Setting

Please refer to equipment's list in this report. The following table is the setting of Spectrum Analyzer.

5.4.3. Test Procedures

1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.

2. The power was monitored at the coupler port with a Spectrum Analyzer. The power level was set to the maximum level.

3. Set the RBW = 3 kHz.

4. Set the VBW ≥ 3*RBW

5. Set the span to 1.5 times the DTS channel bandwidth.

6. Detector = peak.

7. Sweep time = auto couple.

8. Trace mode = max hold.

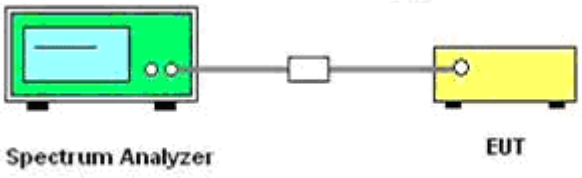
9. Allow trace to fully stabilize.

10. Use the peak marker function to determine the maximum power level.

11. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

12. The resulting peak PSD level shall not be greater than 8dBm in any 3 kHz.

5.4.4. Test Setup Layout



5.4.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.4.6. Test Result of Power Spectral Density

PASS

Please refer to Appendix C.3

Remark:

1). Measured power spectrum density at difference data rate for each mode and recorded worst case for each mode.

2). Test results including cable loss;

3). Worst case data at 1Mbps at IEEE 802.11b; 6Mbps at IEEE 802.11g; 6.5Mbps at IEEE 802.11n HT20; 13.5Mbps at IEEE 802.11n HT40;

5.5. Band Edge Measurements and Conducted Spurious Emissions Test

5.5.1. Standard Applicable

According to §15.247 (d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

5.5.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Detector	Peak
Attenuation	Auto
RB / VB (Emission in restricted band)	100KHz/300KHz
RB / VB (Emission in non-restricted band)	100KHz/300KHz

5.5.3. Test Procedures

The transmitter output is connected to a spectrum analyzer. The resolution bandwidth is set to 100 KHz. The video bandwidth is set to 300 KHz

The spectrum from 30 MHz to 26.5 GHz is investigated with the transmitter set to the lowest, middle, and highest channels.

5.5.4. Test Setup Layout

This test setup layout is the same as that shown in section 5.4.4.

5.5.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.5.6. Test Results of Conducted Spurious Emissions

PASS

Please refer to Appendix C.4 for Band Edge Measurements;

Please refer to Appendix C.5 for Conducted Spurious Emissions.

Remark:

1). Measured RF conducted spurious emission at difference data rate for each mode and recorded worst case for each mode.

2). Test results including cable loss;

3). Worst case data at 1Mbps at IEEE 802.11b; 6Mbps at IEEE 802.11g; 6.5Mbps at IEEE 802.11n HT20; 13.5Mbps at IEEE 802.11n HT40;

4). "---"means that the fundamental frequency not for 15.209 limits requirement.

5). Not recorded emission from 9 KHz to 30 MHz as emission level at least 20dBc lower than emission limit.

5.6. On Time and Duty Cycle

5.6.1. Standard Applicable

None: for reporting purpose only.

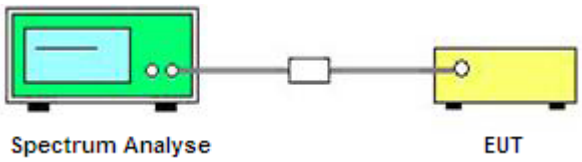
5.6.2. Measuring Instruments and Setting

Please refer to equipment's list in this report. The following table is the setting of the spectrum analyzer.

5.6.3. Test Procedures

1. Set the centre frequency of the spectrum analyzer to the transmitting frequency;
2. Set the span=0MHz, RBW=8.0MHz, VBW=8.0MHz, Sweep time=Auto
3. Detector = peak;
4. Trace mode = Single hold.

5.6.4. Test Setup Layout



5.6.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.6.6. Test result

For reporting purpose only.

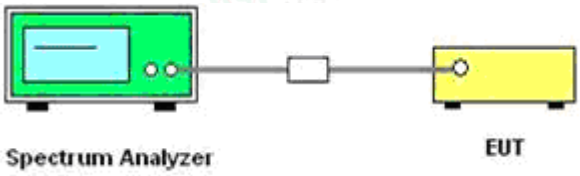
Please refer to Appendix C.6

5.7. Emissions in Restricted Band

5.7.1 Standard Applicable

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

5.7.2. Test Setup Layout



5.7.3. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of Spectrum Analyzer.

5.7.4. Test Procedures

According to KDB558074 D01 15.247 Meas Guidance v05r02 for Antenna-port conducted measurement. Antenna-port conducted measurements may also be used as an alternative to radiated measurements for demonstrating compliance in the restricted frequency bands. If conducted measurements are performed, then proper impedance matching must be ensured and an additional radiated test for cabinet/case spurious emissions is required.
1). Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2). Remove the antenna from the EUT and then connect to a low loss RF cable from the antenna port to an EMI test receiver, then turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range.
3). Set both RBW and VBW of spectrum analyzer to 100 kHz with a convenient frequency span including 100kHz bandwidth from band edge, for Radiated emissions restricted band RBW=1MHz, VBW=3MHz for peak detector and RBW=1MHz, VBW=1/B for AV detector.
4). Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5). Repeat above procedures until all measured frequencies were complete.
6). Measure the conducted output power (in dBm) using the detector specified by the appropriate regulatory agency (see 12.2.2, 12.2.3, and 12.2.4 for guidance regarding measurement procedures for determining quasi-peak, peak, and average conducted output power, respectively).
7). Add the maximum transmit antenna gain (in dBi) to the measured output power level to determine the EIRP level (see 12.2.5 for guidance on determining the applicable antenna gain)
8). Add the appropriate maximum ground reflection factor to the EIRP level (6 dB for frequencies ≤ 30 MHz, 4.7 dB for frequencies between 30 MHz and 1000 MHz, inclusive and 0 dB for frequencies > 1000 MHz).
9). For devices with multiple antenna-ports, measure the power of each individual chain and sum the EIRP of all chains in linear terms (e.g., Watts, mW).
10). Convert the resultant EIRP level to an equivalent electric field strength using the following relationship:

$E = EIRP – 20\log D + 104.8 = EIRP + 95.26$

Where:
E = electric field strength in dBμV/m,
EIRP = equivalent isotropic radiated power in dBm
D = specified measurement distance in meters.
11). Since the out-of-band characteristics of the EUT transmit antenna will often be unknown, the use of a conservative antenna gain value is necessary. Thus, when determining the EIRP based on the measured conducted power, the upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands, or 2 dBi, whichever is greater. However, for devices that operate in multiple frequency bands while using the same transmit antenna, the highest gain of the antenna within the operating band nearest in frequency to the restricted band emission being measured may be used in lieu of the overall highest gain when the emission is at a frequency that is within 20 percent of the nearest band edge frequency, but in no case shall a value less than 2 dBi be used.
12). Compare the resultant electric field strength level to the applicable regulatory limit.
13). Perform radiated spurious emission test duress until all measured frequencies were complete.

5.7.5 Test Results

PASS

Please refer to Appendix C.7

Remark:

1). Measured Band edge measurement for radiated emission at difference data rate for each mode and recorded worst case for each mode.

2). Test results including cable loss;

3). Worst case data at 1Mbps at IEEE 802.11b; 6Mbps at IEEE 802.11g; 6.5Mbps at IEEE 802.11n HT20; 13.5Mbps at IEEE 802.11n HT40;

4). "---"means that the fundamental frequency not for 15.209 limits requirement.

5.8. AC Power line conducted emissions

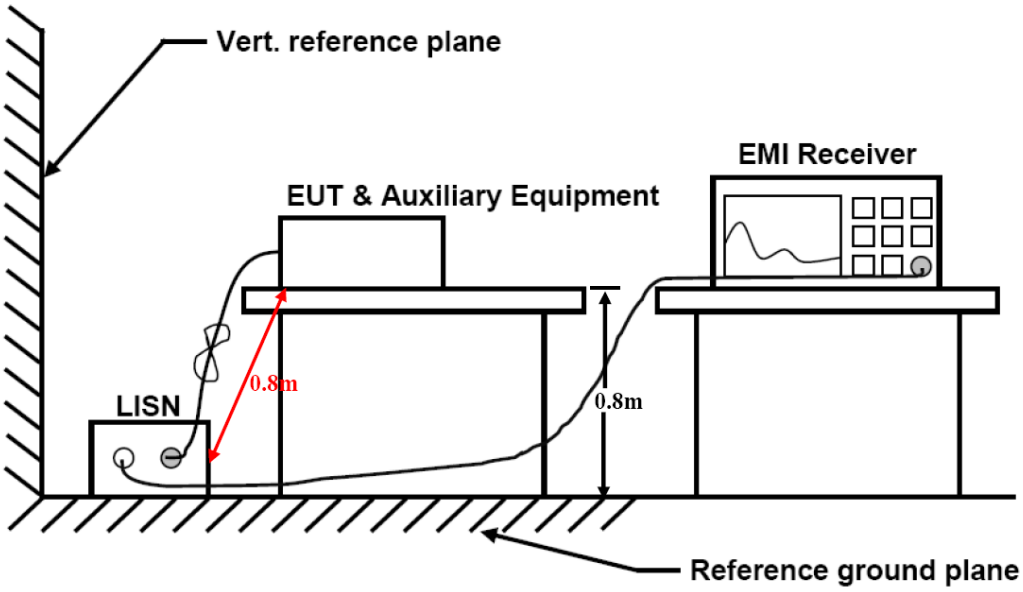
5.8.1 Standard Applicable

According to §15.207 (a): For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range are listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

* Decreasing linearly with the logarithm of the frequency

5.8.2 Block Diagram of Test Setup



5.8.3 Disturbance Calculation

The AC mains conducted disturbance is calculated by adding the 10dB Pulse Limiter and Cable Factor and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

CD (dBuV) = RA (dBuV) + PL (dB) + CL (dB)

Where CD = Conducted Disturbance	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	PL = 10 dB Pulse Limiter Factor

5.8.4 Test Results

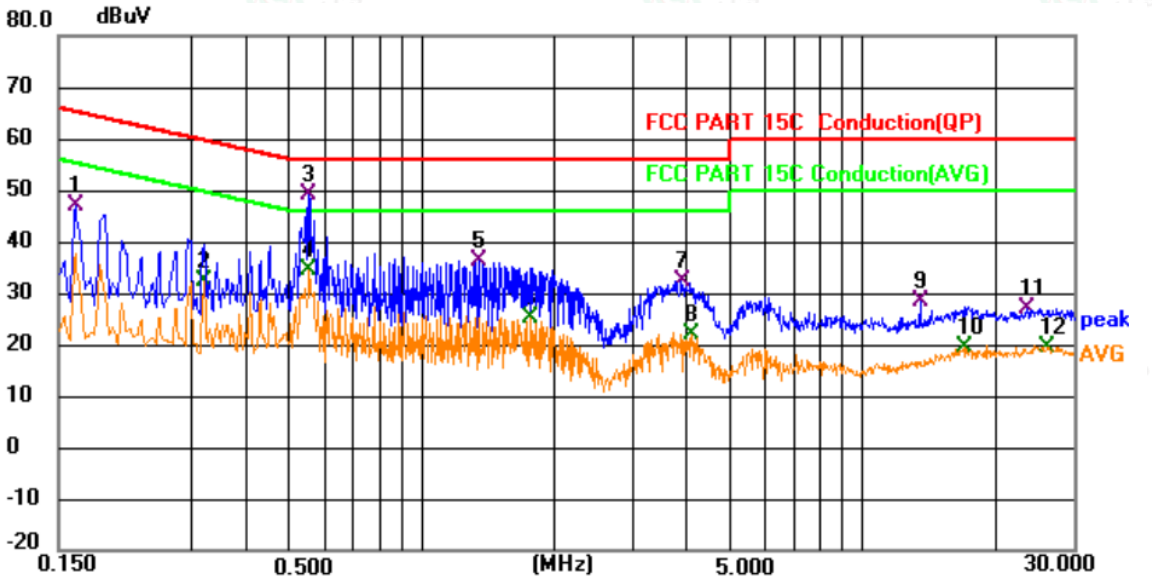
Temperature	22.5℃	Humidity	53.7%
Test Engineer	Paddi Chen	Configurations	IEEE 802.11b/g/n

PASS.

The test data please refer to following page.

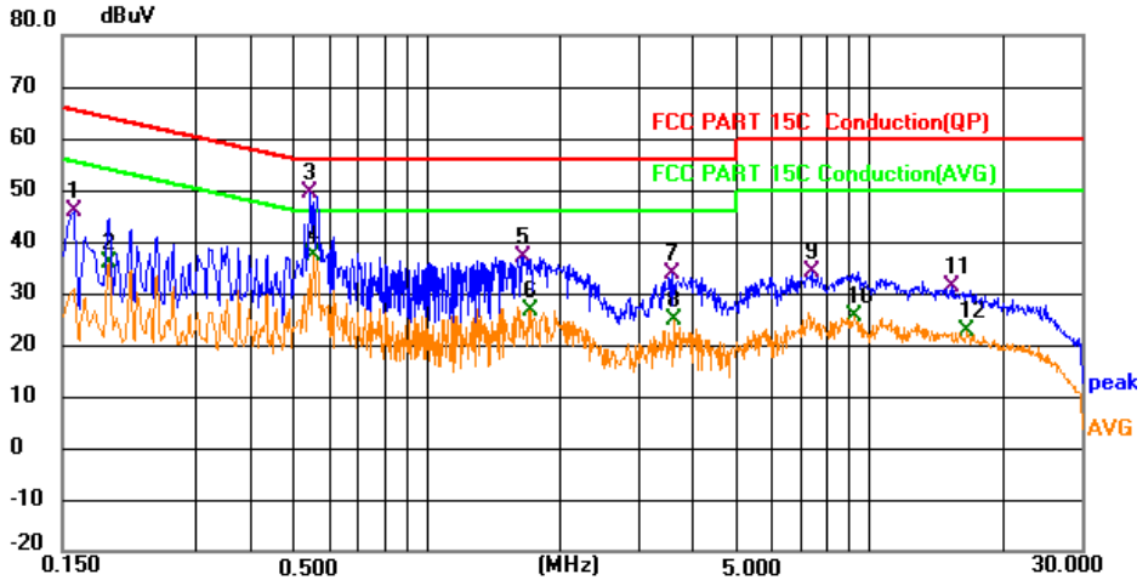
AC Conducted Emission of Adapter@ AC 120V/60Hz mode (worst case)

Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.164	27.15	19.82	46.97	65.26	-18.29	QP	
2		0.321	12.62	19.86	32.48	49.68	-17.20	AVG	
3	*	0.555	29.39	19.67	49.06	56.00	-6.94	QP	
4		0.555	14.72	19.67	34.39	46.00	-11.61	AVG	
5		1.351	17.27	19.07	36.34	56.00	-19.66	QP	
6		1.756	6.21	19.00	25.21	46.00	-20.79	AVG	
7		3.881	13.32	19.17	32.49	56.00	-23.51	QP	
8		4.079	2.73	19.15	21.88	46.00	-24.12	AVG	
9		13.524	8.56	19.80	28.36	60.00	-31.64	QP	
10		17.003	-0.23	19.60	19.37	50.00	-30.63	AVG	
11		23.518	8.12	18.82	26.94	60.00	-33.06	QP	
12		26.201	0.73	18.82	19.55	50.00	-30.45	AVG	

Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.159	26.30	19.62	45.92	65.52	-19.60	QP	
2		0.191	16.17	19.74	35.91	53.99	-18.08	AVG	
3	*	0.541	29.90	19.41	49.31	56.00	-6.69	QP	
4		0.555	18.04	19.42	37.46	46.00	-8.54	AVG	
5		1.653	17.92	19.03	36.95	56.00	-19.05	QP	
6		1.725	7.59	19.05	26.64	46.00	-19.36	AVG	
7		3.583	14.83	18.99	33.82	56.00	-22.18	QP	
8		3.615	5.83	18.99	24.82	46.00	-21.18	AVG	
9		7.377	14.39	19.73	34.12	60.00	-25.88	QP	
10		9.249	5.72	19.68	25.40	50.00	-24.60	AVG	
11		15.302	11.55	19.70	31.25	60.00	-28.75	QP	
12		16.616	3.00	19.52	22.52	50.00	-27.48	AVG	

****Note: 1). Pre-scan all modes and recorded the worst case results in this report IEEE 802.11b mode (Low Channel).*

2). Measurement = Reading + Correct Factor, Margin = Measurement – Limit,
Correct Factor=Lisn Factor+Cable Factor+Insertion loss of Pulse Limiter.

5.9. Antenna Requirements

5.9.1 Standard Applicable

According to antenna requirement of §15.203.

According to antenna requirement of §15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be re-placed by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

And according to §15.247(4)(1), system operating in the 2400-2483.5MHz bands that are used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

5.9.2 Antenna Connected Construction

5.9.2.1. Standard Applicable

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

5.9.2.2. Antenna Connector Construction

The gains of antenna used for transmitting is 0.93dBi(Max.), and the antenna is PIFA Antenna and no consideration of replacement. Please see EUT photo for details.

5.9.2.3. Results: Compliance.

6. LIST OF MEASURING EQUIPMENTS

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2024-06-06	2025-06-05
2	Power Sensor	R&S	NRV-Z81	100458	2024-06-06	2025-06-05
3	Power Sensor	R&S	NRV-Z32	10057	2024-06-06	2025-06-05
4	Test Software	Tonscend	JS1120-2	/	N/A	N/A
5	RF Control Unit	Tonscend	JS0806-2	N/A	2024-11-08	2025-11-07
6	MXA Signal Analyzer	Agilent	N9020A	MY50510140	2024-10-08	2025-10-07
7	DC Power Supply	Agilent	E3642A	N/A	2024-10-08	2025-10-07
8	EMI Test Software	AUDIX	E3	/	N/A	N/A
9	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2024-06-06	2025-06-05
10	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
11	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2024-07-13	2027-07-12
12	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2024-08-03	2027-08-02
13	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2024-07-13	2027-07-12
14	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2024-07-13	2027-07-12
15	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2024-07-30	2025-07-29
16	EMI Test Receiver	R&S	ESR 7	101181	2024-06-06	2025-06-05
17	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2024-06-06	2025-06-05
18	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2024-10-08	2025-10-07
19	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2024-10-08	2025-10-07
20	6dB Attenuator	/	100W/6dB	1172040	2024-06-06	2025-06-05
21	3dB Attenuator	/	2N-3dB	/	2024-10-08	2025-10-07
22	EMI Test Receiver	R&S	ESPI	101940	2024-06-06	2025-06-05
23	Artificial Mains	R&S	ENV216	101288	2024-06-06	2025-06-05
24	10dB Attenuator	SCHWARZBECK	MTS-IMP-136	261115-001-0032	2024-06-06	2025-06-05
25	EMI Test Software	Farad	EZ	/	N/A	N/A
26	Antenna Mast	Max-Full	MFA-515BSN	1308572	N/A	N/A
27	Pulse Limiter	R&S	ESH3-Z2	102750-NB	2024-06-06	2025-06-05

7. TEST SETUP PHOTOGRAPHS OF EUT

Please refer to separated files for Test Setup Photos of the EUT.

8. EXTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

9. INTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

----------THE END OF REPORT----------

FCC TEST REPORT

For

Lunar Industries inc.

Smart Phone

Test Model: BraX3

Prepared for	:	Lunar Industries inc.
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel	:	(+86)755-82591330
Fax	:	(+86)755-82591332
Web	:	www.LCS-cert.com
Mail	:	webmaster@LCS-cert.com
Date of receipt of test sample	:	February 26, 2025
Number of tested samples	:	2
Sample No.	:	A250303080-1, A250303080-2
Serial number	:	Prototype
Date of Test	:	February 26, 2025 ~ March 25, 2025
Date of Report	:	March 26, 2025

FCC TEST REPORT
FCC CFR 47 PART 15E (15.407)

Report Reference No.	**:**	**LCSA11204234EE**
Date of Issue	:	March 26, 2025
Testing Laboratory Name	**:**	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Testing Location/ Procedure	:	Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □
Applicant's Name	**:**	**Lunar Industries inc.**
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Test Specification		
Standard	:	FCC CFR 47 PART 15E (15.407)
Test Report Form No.	**:**	TRF-4-E-146 A/0
TRF Originator	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF	:	Dated 2011-03

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EUT Description.	**:**	**Smart Phone**
Trade Mark	:	Brax
Test Model	:	BraX3
Ratings	:	Please Refer to Page 6
Result	:	**Positive**

Compiled by:	**Supervised by:**	**Approved by:**
Jack Liu/Administrator	Cary Luo/ Technique principal	Gavin Liang/ Manager

FCC -- TEST REPORT

Test Report No. : **LCSA11204234EE**	March 26, 2025 Date of issue

Test Model.....	: BraX3
EUT.....	: Smart Phone
Applicant.....	**: Lunar Industries inc.**
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Manufacturer.....	**: Lunar Industries inc.**
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Factory.....	**: Sichuan koobee communication equipment Co., Ltd.**
Address.....	: Building 2, No.69, West of gangyuan Road, Lingang economic and technological development zone, Yibin City, Sichuan Province, P.R.China
Telephone.....	: /
Fax.....	: /

Test Result:	**Positive**

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revision History

Report Version	Issue Date	Revision Content	Revised By
000	March 26, 2025	Initial Issue	---

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1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	Smart Phone
Test Model	:	BraX3
Ratings	:	Input:5V⎓2A DC 3.87V by Rechargeable Li-ion Battery, 4900mAh
Hardware Version	:	KE115S_01
Software Version	:	V600.BX3.25032025.16.19.AD
Bluetooth	:	
Frequency Range	:	2402MHz~2480MHz
Channel Number	:	79 channels for Bluetooth V5.2 (DSS) 40 channels for Bluetooth V5.2 (DTS)
Channel Spacing	:	1MHz for Bluetooth V5.2 (DSS) 2MHz for Bluetooth V5.2 (DTS)
Modulation Type	:	GFSK, π/4-DQPSK, 8-DPSK for Bluetooth V5.2 (DSS) GFSK for Bluetooth V5.2 (DTS)
Bluetooth Version	:	V5.2
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(2.4G Band)	:	
Frequency Range	:	2412MHz~2462MHz
Channel Spacing	:	5MHz
Channel Number	:	11 Channels for 20MHz bandwidth (2412~2462MHz) 7 Channels for 40MHz bandwidth (2422~2452MHz)
Modulation Type	:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(5.2G Band)	:	
Frequency Range	:	5180MHz~5240MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5180MHz~5240MHz) 2 channels for 40MHz bandwidth(5190MHz~5230MHz) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.3G Band)		
Frequency Range	:	5260MHz~5320MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5260MHz~5320MHz) 2 channels for 40MHz bandwidth(5270MHz~5310MHz) 1 channels for 80MHz bandwidth(5290MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.5G Band)	:	
Frequency Range	:	5500MHz~5700MHz
Channel Number	:	11 Channels for 20MHz bandwidth(5500MHz~5700MHz)

		5 Channels for 40MHz bandwidth(5510MHz~5670MHz) 2 Channels for 80MHz bandwidth(5530MHz, 5610MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.8G Band)	:	
Frequency Range	:	5745MHz~5825MHz
Channel Number	:	5 channels for 20MHz bandwidth(5745MHz~5825MHz) 2 channels for 40MHz bandwidth(5755MHz~5795MHz) 1 channels for 80MHz bandwidth(5775MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5),0.65dBi(Max.)
2G	:	
Support Band	:	☒GSM 900 (EU-Band) ☒DCS 1800 (EU-Band) ☒GSM 850 (U.S.-Band) ☒PCS 1900 (U.S.-Band)
Release Version	:	R9
GPRS Class	:	Class 12
EGPRS Class	:	Class 12
Type Of Modulation	:	GMSK for GSM/GPRS; GMSK/8PSK for EGPRS
Antenna Description	:	GSM 850: -3.2 dBi(ANT0), -6.0 dBi(ANT3) PCS 1900: -0.8 dBi(ANT3), -2.0 dBi(ANT0)
3G	:	
Support Band	:	☒WCDMA Band I (EU-Band) ☒WCDMA Band II (U.S.-Band) ☒WCDMA Band IV (U.S.-Band) ☒WCDMA Band V (U.S.-Band) ☒WCDMA Band VIII (EU-Band)
Release Version	:	R9
Type Of Modulation	:	QPSK,16QAM
Antenna Description	:	PIFA Antenna WCDMA Band II -0.8 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band IV -1.45 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band V -3.2 dBi(ANT0), -6.0 dBi(ANT3)
LTE	:	
Support Band	:	☒E-UTRA Band 1(EU-Band) ☒E-UTRA Band 2(U.S.-Band) ☒E-UTRA Band 3(EU-Band) ☒E-UTRA Band 4(U.S.-Band) ☒E-UTRA Band 5(U.S.-Band) ☒E-UTRA Band 7(U.S.-Band) ☒E-UTRA Band 8(EU-Band) ☒E-UTRA Band 12(U.S.-Band) ☒E-UTRA Band 13(U.S.-Band) ☒E-UTRA Band 17(U.S.-Band) ☒E-UTRA Band 25(U.S.-Band) ☒E-UTRA Band 26(U.S.-Band) ☒E-UTRA Band 28(EU-Band) ☒E-UTRA Band 38(U.S.-Band)

		☒E-UTRA Band 40(EU-Band) ☒E-UTRA Band 41(U.S.-Band) ☒E-UTRA Band 42(EU-Band) ☒E-UTRA Band 66(U.S.-Band) ☒E-UTRA Band 71(U.S.-Band)
LTE Release Version	:	R15
Type Of Modulation	:	QPSK/16QAM
Antenna Description	:	PIFA Antenna For E-UTRA Band 2 -0.8 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 4 -1.45 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 5 -3.2 dBi(ANT0),-1.8 dBi(ANT3) For E-UTRA Band 7 -0.6 dBi(ANT3),-1.8 dBi(ANT0), -1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 12 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 13 -3.0 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 17 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 25 -0.75 dBi(ANT3), -2.0 dBi(ANT0) ,-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 26 -3.3 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 38 -0.6 dBi(ANT3),-1.1 dBi(ANT0),-1.8 dBi(ANT2), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 41 –0.6 dBi(ANT3), -1.1 dBi(ANT0),-1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 66 -0.78 dBi(ANT3), -2.0 dBi(ANT0),-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 71 -3.3 dBi(ANT0), -2.0 dBi(ANT3)
Power Class	:	Class 3
NR	:	
Operation Band	:	SA Band: n1: UL: 1920MHz~1980MHz, DL: 2110MHz~2170MHz n2: UL: 1850MHz~1910MHz, DL: 1930MHz~1990MHz n3: UL: 1710MHz~1785MHz, DL:1805MHz~1880MHz n5: UL: 824MHz~849MHz, DL:869MHz~894MHz n7: UL: 2500MHz~2570MHz, DL: 2620MHz~2690MHz n25: UL: 1850MHz~1915MHz, DL: 1930MHz~1995MHz n26: UL: 814MHz~849MHz, DL: 859MHz~894MHz n28: UL: 703MHz~748MHz, DL: 758MHz~803MHz n38: UL & DL: 2570MHz~2620MHz n40: UL & DL: 2300MHz~2400MHz n41: UL & DL: 2496MHz~2690MHz n66: UL: 1710MHz~1780MHz, DL: 2110MHz~2180MHz n71: UL: 663MHz~698MHz, DL: 617MHz~652MHz n77: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3980 MHz n78: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3800 MHz
Support Type	:	☒SA
Subcarrier Spacing	:	15KHz,30KHz
Modulation Type	:	DFT-BPSK, DFT-QPSK, DFT-16QAM, DFT-64QAM, DFT-256QAM CP-QPSK, CP-16QAM, CP-64QAM, CP-256QAM
SCS and Channel Bandwidths	:	n2_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,35 MHz,40 MHz

		n5_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n7_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz,50MHz n25_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n26_SCS 15kHz(814~824MHz): 5 MHz,10 MHz n26_SCS 15kHz(824~849MHz): 5 MHz,10 MHz,15 MHz,20 MHz n38_SCS 30kHz:10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n41_SCS 30kHz: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz,90 MHz,100 MHz n66_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n71_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n77_SCS 30kHz: 20 MHz,50 MHz,100 MHz n78_SCS 30kHz: 20 MHz,50 MHz,100 MHz
Power Class	:	NR Band 2/5/7/25/26/38/41:PC3 NR Band 66/71/77/78: PC2
Antenna Description	:	PIFA Antenna NR Band n2: -0.8 dBi(ANT3), -6.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n5: -3.2 dBi(ANT0), -6.0 dBi(ANT3) NR Band n7: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n25: -0.75 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n26: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n38: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n41: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n66: -0.78 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n71: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n77: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7) NR Band n78: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7)
NFC	:	
Operating Frequency	:	13.56MHz
Modulation Type	:	ASK
Antenna Description	:	Internal Antenna
GPS Function	:	Support and only RX
FM Function	:	Support and only RX
Extreme temp. Tolerance	:	-30°C to +50°C
Extreme vol. Limits	:	3.3VDC to 4.45VDC (nominal: 3.87VDC)

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

1.2. Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN TIANYIN ELECTRONICS CO., LTD	Power Adapter	TPA-46050200UU	--	FCC

Note: Auxiliary equipment is provided by the laboratory.

1.3. External I/O Port

I/O Port Description	Quantity	Cable
Type-C USB Port	1	N/A
Earphone Jack Port	1	N/A

1.4. Description of Test Facility

NVLAP Accreditation Code is 600167-0.
FCC Designation Number is CN5024.
CAB identifier is CN0071.
CNAS Registration Number is L4595.
Test Firm Registration Number: 254912.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

1.5. Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

1.6. Measurement Uncertainty

Test Item		Frequency Range	Uncertainty	Note
Radiation Uncertainty	:	9KHz~30MHz	±3.10dB	(1)
		30MHz~200MHz	±2.96dB	(1)
		200MHz~1000MHz	±3.10dB	(1)
		1GHz~26.5GHz	±3.80dB	(1)
		26.5GHz~40GHz	±3.90dB	(1)
Conduction Uncertainty	:	150kHz~30MHz	±1.63dB	(1)
Power disturbance	:	30MHz~300MHz	±1.60dB	(1)
Output power	:	1GHz-40GHz	±0.57dB	(1)
Power Spectral Density	:	1GHz-40GHz	±1.2dB	(1)
Occupied Channel Bandwidth	:	1GHz-40GHz	±5%	(1)
Conducted RF Spurious Emission	:	9kHz-40GHz	±1.80dB	(1)
Emissions in Restricted Bands	:	1GHz-40GHz	±2.47dB	(1)
Frequency Stability	:	1GHz-40GHz	±25Hz	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.7. Description of Test Modes

The EUT has been tested under operating condition.

This test was performed with EUT in X, Y, Z position and the worst case was found when EUT in X position.

Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded worst case.

AC conducted emission pre-test at power adapter modes, recorded worst case;

Worst-case mode and channel used for 150 KHz-30 MHz power line conducted emissions was determined to be IEEE 802.11a mode (Low Channel).

Worst-case mode and channel used for 9 KHz-1000 MHz radiated emissions was determined to be IEEE 802.11a mode (Low Channel).

Worst-Case data rates were utilized from preliminary testing of the Chipset, worst-case data rates used during the testing are as follows:

IEEE 802.11a Mode: 6 Mbps, OFDM.

IEEE 802.11n HT20 Mode: MCS0, OFDM.

IEEE 802.11n HT40 Mode: MCS0, OFDM.

IEEE 802.11ac VHT20 Mode: MCS0

IEEE 802.11ac VHT40 Mode: MCS0, OFDM.

IEEE 802.11ac VHT80 Mode: MCS0, OFDM.

1.8. Channel List and Frequency

Frequency Band	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
5180~5240MHz	36	5180	44	5220
	38	5190	46	5230
	40	5200	48	5240
	42	5210	/	/
For IEEE 802.11a/n HT20/ac VHT20, Channel 36, 40 and 48 were tested. For IEEE 802.11n HT40/ac VHT40, Channel 38 and 46 were tested. For IEEE 802.11ac VHT80, Channel 42 was tested.				

2. TEST METHODOLOGY

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

The radiated testing was performed at an antenna-to-EUT distance of 3 meters. All radiated and conducted emissions measurement was performed at Shenzhen LCS Compliance Testing Laboratory Ltd.

2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2. EUT Exercise

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to FCC's request, Test Procedure KDB789033 D02 General UNII Test Procedures New Rules v02r01 and KDB 662911 D01 Multiple Transmitter Output v02r01 are required to be used for this kind of FCC 15.407 UII device.

According to its specifications, the EUT must comply with the requirements of the Section 15.203, 15.205, 15.207, 15.209 and 15.407 under the FCC Rules Part 15 Subpart E.

2.3. General Test Procedures

2.3.1 Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using Quasi-peak and average detector modes.

2.3.2 Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1GHz and 1.5 m above ground plane above 1GHz. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 6.3 of ANSI C63.10-2013.

2.4. Test Sample

The application provides 2 samples to meet requirement;

Sample Number	Description
Sample 1(A250303080-1)	Engineer sample – continuous transmit
Sample 2(A250303080-2)	Normal sample – Intermittent transmit

3. SYSTEM TEST CONFIGURATION

3.1. Justification

The system was configured for testing in a continuous transmits condition.

3.2. EUT Exercise Software

The system was configured for testing in a continuous transmits condition and change test channels by software provided by application.

3.3. Special Accessories

N/A

3.4. Block Diagram/Schematics

Please refer to the related document

3.5. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

3.6. Test Setup

Please refer to the test setup photo.

4. SUMMARY OF TEST RESULTS

Applied Standard: FCC Part 15 Subpart E			
FCC Rules	Description of Test	Result	Remark
§15.407(a)	26dB Bandwidth	Compliant	Appendix D.1
§15.407(a)	Maximum Conducted Output Power	Compliant	Appendix D.2
§15.407(a)	Power Spectral Density	Compliant	Appendix D.3
§15.209, §15.407(b)	Radiated Emissions	Compliant	Note 1
§15.207(a)	AC Conducted Emissions	Compliant	Note 1
§15.209, §15.407(b)	Emissions in Restricted Bands	Compliant	Appendix D.4
§15.407(g)	Frequency Stability	Compliant	Appendix D.5
/	On Time and Duty Cycle	/	Only reported; Appendix D.6
§15.203	Antenna Requirements	Compliant	Note 1
§15.407 §2.1093	RF Exposure	Compliant	Note 2

Remark:
1. Note 1 – Test results inside test report;
2. Note 2 – Test results in other test report (SAR Report);

5. TEST RESULT

5.1. 26dB Occupied Bandwidth Measurement

5.1.1. Standard Applicable

No restriction limits. But resolution bandwidth within band edge measurement is 1% of the 99% occupied bandwidth.

5.1.2. Measuring Instruments and Setting

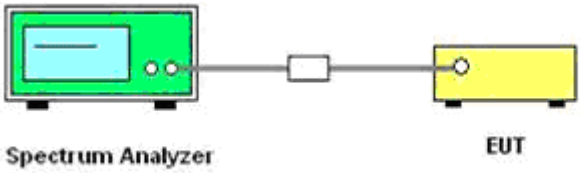
Please refer to equipment list in this report. The following table is the setting of the Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span	> 26dB Bandwidth
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.1.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer in peak hold mode.
2. The RBW = 1% - 3% of occupied bandwidth, VBW = 3*RBW;
3. Measured the spectrum width with power higher than 26dB below carrier.

5.1.4. Test Setup Layout



5.1.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.1.6. Test Result of 26dB Occupied Bandwidth

PASS

Please refer to Appendix D.1

Remark:

1. *Measured 26dB bandwidth at difference data rate for each mode and recorded worst case for each mode.*
2. *Test results including cable loss;*
3. *Worst case data at IEEE 802.11a; MCS0 at IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40, IEEE 802.11ac VHT80;*

5.2. Maximum Conducted Output Power Measurement

5.2.1. Standard Applicable

(1) For the band 5.15~5.25GHz

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1dB reduction in maximum conducted output power is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(2) For the band 5.25-5.35 GHz and 5.47-5.725 GHz

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

5.2.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of the power meter.

5.2.3. Test Procedures

The transmitter output (antenna port) was connected to the power meter.

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section 3 (a) Method PM (Measurement using an RF average power meter):

(i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied.

- The EUT is configured to transmit continuously or to transmit with a constant duty cycle.

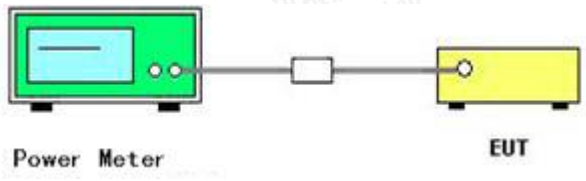
- At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
- The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.

(ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section II.B.

(iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.

(iv) Adjust the measurement in dBm by adding 10 log (1/x) where x is the duty cycle (e.g., 10 log (1/0.25) if the duty cycle is 25%).

5.2.4. Test Setup Layout



5.1.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.2.6. Test Result of Maximum Conducted Output Power

PASS

Please refer to Appendix D.2

Remark:

1. *Measured output power at difference data rate for each mode and recorded worst case for each mode.*
2. *Test results including cable loss;*
3. *Worst case data at IEEE 802.11a; MCS0 at IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40, IEEE 802.11ac VHT80;*
4. *Report conducted power = Measured conducted average power + Duty Cycle factor;*
5. *For power measurements on IEEE 802.11 devices;*

Array Gain = 0 dB (i.e., no array gain) for NANT ≤ 4;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any NANT;
Array Gain = 5 log (NANT/NSS) dB or 3 dB, whichever is less, for 20-MHz channel widths with NANT ≥5.

5.3. Power Spectral Density Measurement

5.3.1. Standard Applicable

For 5.15~5.25GHz

(i) For an outdoor access point operating in the band 5.15 - 5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 MHz band.note1
(ii) For an indoor access point operating in the band 5.15 - 5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 MHz band.note1
(iii) For fixed point-to-point access points operating in the band 5.15 - 5.25 GHz, transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi.
(iv) For mobile and portable client devices in the 5.15 - 5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 MHz band. note1
Note1: If transmitting antennas of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the band 5.25-5.35 GHz and 5.47-5.725 GHz

The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

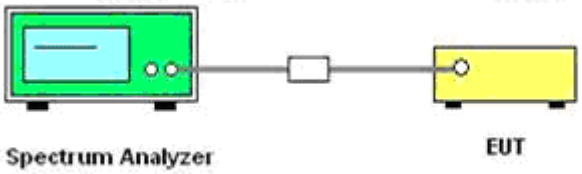
5.3.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of Spectrum Analyzer.

5.3.3. Test Procedures

1). The transmitter was connected directly to a Spectrum Analyzer through a directional couple.
2). The power was monitored at the coupler port with a Spectrum Analyzer. The power level was set to the maximum level.
3). Set the RBW = 1MHz.
4). Set the VBW ≥ 3MHz
5). Span=Encompass the entire emissions bandwidth (EBW) of the signal (or, alternatively, the entire 99% occupied bandwidth) of the signal.
6). Number of points in sweep ≥ 2 × span / RBW. (This ensures that bin-to-bin spacing is ≤ RBW/2, so that narrowband signals are not lost between frequency bins.)
7). Manually set sweep time ≥ 10 × (number of points in sweep) × (total on/off period of the transmitted signal).
8). Set detector = power averaging (rms).
9). Sweep time = auto couple.
10). Trace mode = max hold.
11). Allow trace to fully stabilize.
12). Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively.
13). Add 10 log (1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add 10 log (1/0.25) = 6 dB if the duty cycle is 25%.
14). Use the peak marker function to determine the maximum power level in any 1MHz band segment within the fundamental EBW.

5.3.4. Test Setup Layout



5.3.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.3.6. Test Result of Power Spectral Density

PASS

Please refer to Appendix D.3

Remark

1. *Measured power spectrum density at difference data rate for each mode and recorded worst case for each mode.*
2. *Test results including cable loss;*
3. *Worst case data at IEEE 802.11a; MCS0 at IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40, IEEE 802.11ac VHT80;*
4. *Report conducted PSD = Measured conducted average power + Duty Cycle factor;*

5.4. 99% Occupied Bandwidth Measurement

5.4.1. Standard Applicable

According to §2.1049: The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured under the following conditions as applicable.

5.4.2. Measuring Instruments and Setting

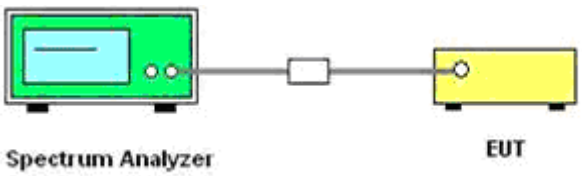
Please refer to equipment list in this report. The following table is the setting of the Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.4.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer in peak hold mode.
2. Set RBW = 1%~5% OBW; VBW≥3*RBW;
3. Measured the 99% occupied bandwidth by related function of the spectrum analyzer.

5.4.4. Test Setup Layout



5.4.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.4.6. Test Result of 99% Occupied Spectrum Bandwidth

Not Applicable

Remark:

1. *Measured 99% bandwidth at difference data rate for each mode and recorded worst case for each mode.*
2. *Test results including cable loss;*
3. *Worst case data at IEEE 802.11a; MCS0 at IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40, IEEE 802.11ac VHT80;*

5.5. Radiated Emissions Measurement

5.5.1. Standard Applicable

15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
\1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.57	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293.	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(\2\)
13.36-13.41			

\1\ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
\2\ Above 38.6

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz (68.2dBuV/m at 3m).

In addition, In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

5.5.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average
RB / VB (Emission in non-restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP/AVG
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP/AVG
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

5.5.3. Test Procedures

1) Sequence of testing 9 kHz to 30 MHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions.

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna height is 1.0 meter.

--- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

--- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).

--- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

2) Sequence of testing 30 MHz to 1 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height changes from 1 to 3 meter.

--- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter.

--- The final measurement will be done with QP detector with an EMI receiver.

--- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

3) Sequence of testing 1 GHz to 18 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height scan range is 1 meter to 2.5 meter.

--- At each turntable position and antenna polarization the analyzer sweeps with peak detection to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter. This procedure is repeated for both antenna polarizations.

--- The final measurement will be done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, EUT-table position, antenna polarization, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

4) Sequence of testing above 18 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 1 meter.

--- The EUT was set into operation.

Premeasurement:

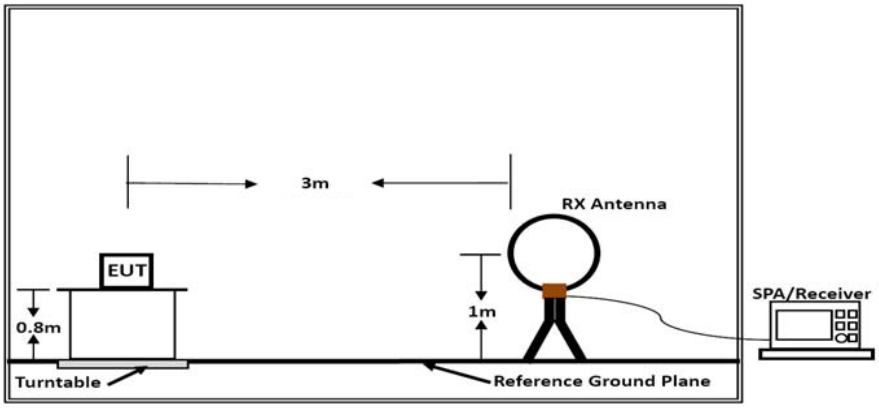
--- The antenna is moved spherical over the EUT in different polarizations of the antenna.

Final measurement:

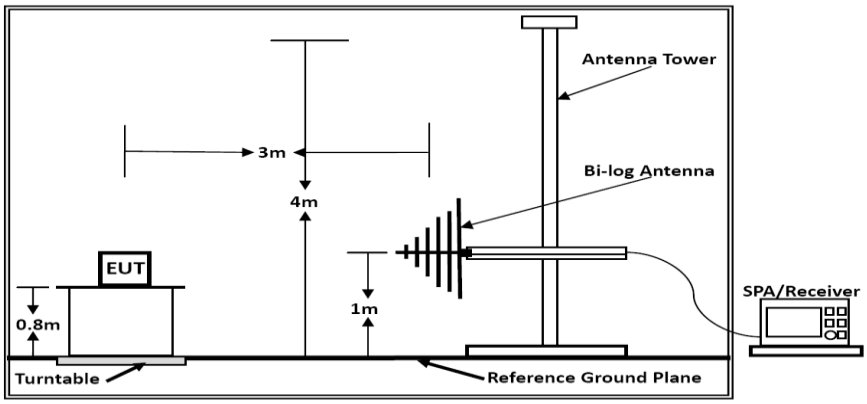
--- The final measurement will be performed at the position and antenna orientation for all detected emissions that were found during the premeasurements with Peak and Average detector.

--- The final levels, frequency, measuring time, bandwidth, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

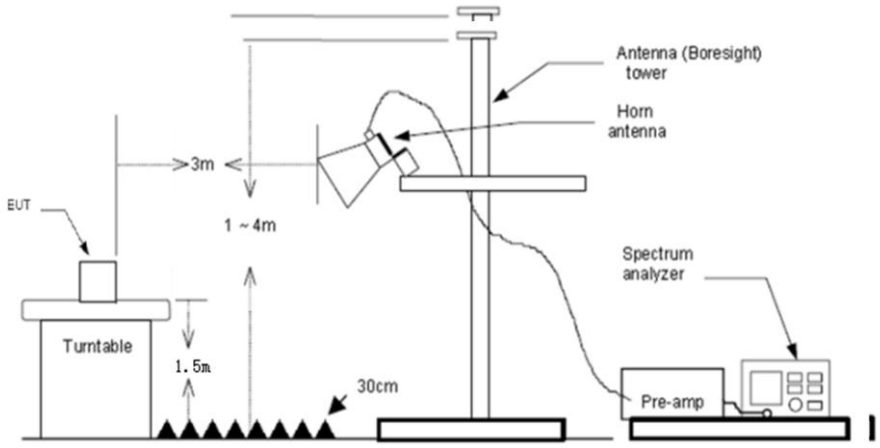
5.5.4. Test Setup Layout



Below 30MHz



Below 1GHz



Above 18 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1m.

5.5.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.5.6. Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS (dBuV/m) = RA (dBuV) + AF (dB/m) + CL (dB) – AG (dB)

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

5.5.7. Results of Radiated Emissions (9 KHz~30MHz)

Temperature	23.8℃	Humidity	52.1%
Test Engineer	Paddi Chen	Configurations	IEEE 802.11a/n/ac

Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Over Limit (dB)	Remark
-	-	-	-	See Note

Note:
The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor = 40 log (specific distance / test distance) (dB);
Limit line = specific limits (dBuV) + distance extrapolation factor.

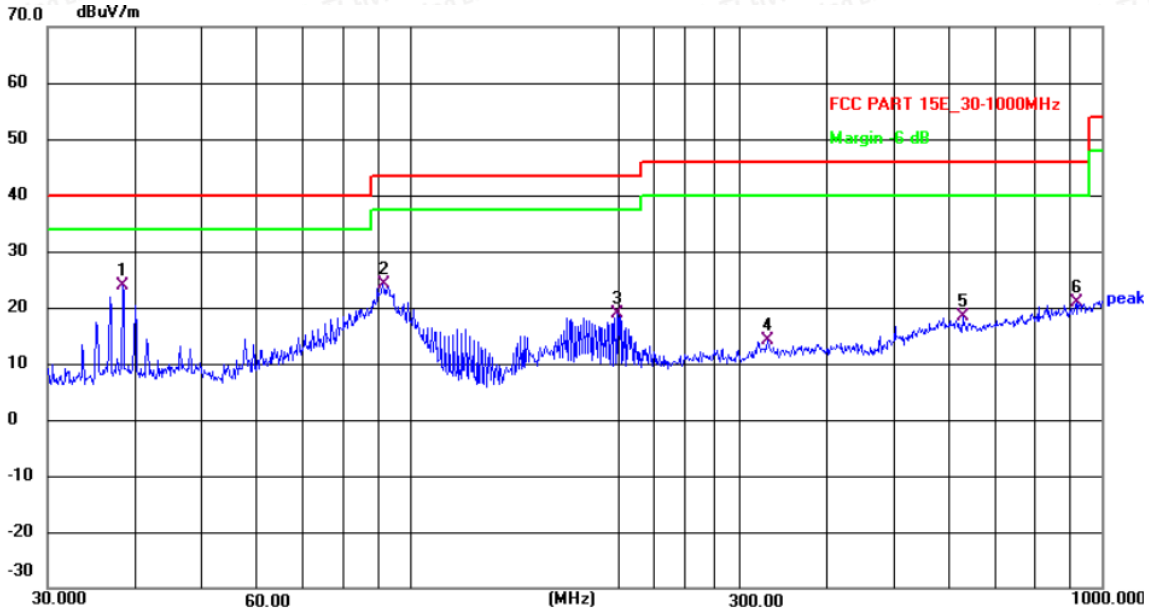
5.5.8. Results of Radiated Emissions (30MHz~1GHz)

Temperature	23.8℃	Humidity	52.1%
Test Engineer	Paddi Chen	Configurations	IEEE 802.11a/n/ac

PASS.

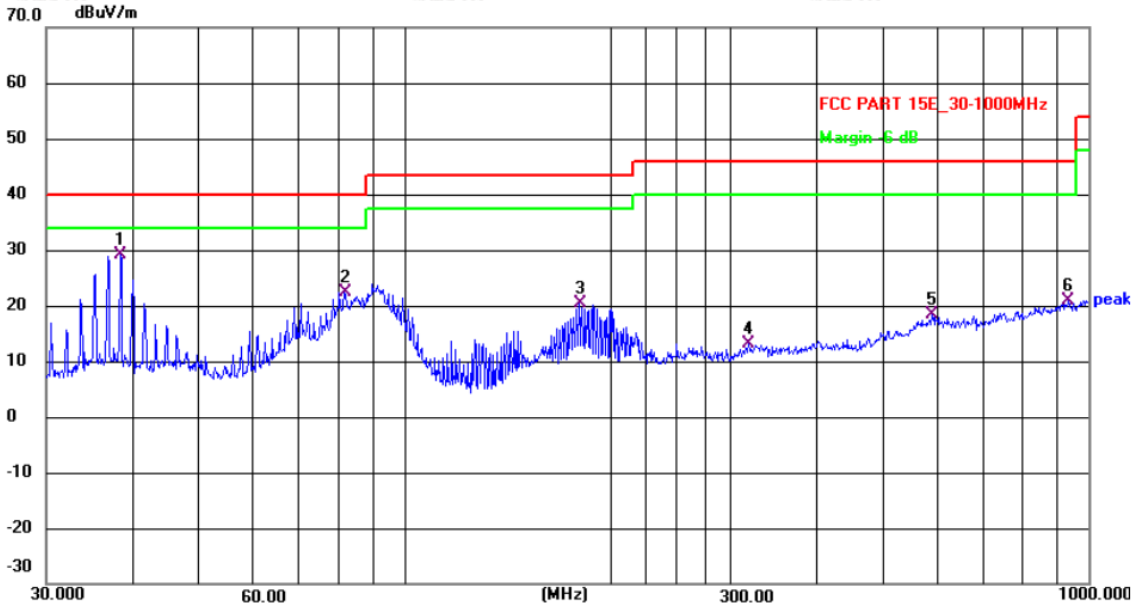
The test data please refer to following page.

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.4809	40.99	-17.13	23.86	40.00	-16.14	QP
2	91.4949	43.50	-19.27	24.23	43.50	-19.27	QP
3	199.2855	37.48	-18.58	18.90	43.50	-24.60	QP
4	329.0390	29.18	-15.04	14.14	46.00	-31.86	QP
5	629.4772	28.85	-10.35	18.50	46.00	-27.50	QP
6	919.2866	28.44	-7.50	20.94	46.00	-25.06	QP

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.4809	46.80	-17.62	29.18	40.00	-10.82	QP
2	81.7833	42.13	-19.70	22.43	40.00	-17.57	QP
3	180.0165	38.98	-18.68	20.30	43.50	-23.20	QP
4	318.8170	27.67	-14.54	13.13	46.00	-32.87	QP
5	590.9737	28.87	-10.58	18.29	46.00	-27.71	QP
6	935.5463	28.90	-8.03	20.87	46.00	-25.13	QP

Note:
(1). Pre-scan all modes and recorded the worst case results in this report (IEEE 802.11a mode (Low Channel)).
2). Emission level (dBuV/m) = 20 log Emission level (uV/m).
3). Level = Reading + Factor, Margin = Level – Limit, Factor = Antenna Factor + Cable Loss - Preamp Factor

5.5.9. Results for Radiated Emissions (1 – 40 GHz)

Note: All the modes have been tested and recorded worst mode in the report.

UNII Band 1

IEEE 802.11a

Channel 36 / 5180 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.54	40.81	33.21	35.82	9.52	47.72	68.20	-20.48	Peak	Horizontal
15.54	33.24	33.21	35.82	9.52	40.15	54.00	-13.85	Average	Horizontal
15.54	41.66	32.82	35.82	9.52	48.18	68.20	-20.02	Peak	Vertical
15.54	31.61	32.82	35.82	9.52	38.13	54.00	-15.87	Average	Vertical

Channel 40 / 5200 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.60	43.32	33.21	35.82	9.52	50.23	68.20	-17.97	Peak	Horizontal
15.60	32.94	33.21	35.82	9.52	39.85	54.00	-14.15	Average	Horizontal
15.60	48.73	32.82	35.82	9.52	55.25	68.20	-12.95	Peak	Vertical
15.60	38.67	32.82	35.82	9.52	45.19	54.00	-8.81	Average	Vertical

Channel 48 / 5240 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.72	46.55	33.21	35.82	9.52	53.46	68.20	-14.74	Peak	Horizontal
15.72	37.04	33.21	35.82	9.52	43.95	54.00	-10.05	Average	Horizontal
15.72	48.67	32.82	35.82	9.52	55.19	68.20	-13.01	Peak	Vertical
15.72	35.96	32.82	35.82	9.52	42.48	54.00	-11.52	Average	Vertical

IEEE 802.11n HT20

Channel 36 / 5180 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.54	41.96	33.21	35.82	9.52	48.87	68.20	-19.33	Peak	Horizontal
15.54	29.59	33.21	35.82	9.52	36.50	54.00	-17.50	Average	Horizontal
15.54	46.57	32.82	35.82	9.52	53.09	68.20	-15.11	Peak	Vertical
15.54	34.34	32.82	35.82	9.52	40.86	54.00	-13.14	Average	Vertical

Channel 40 / 5200 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.60	41.39	33.21	35.82	9.52	48.30	68.20	-19.90	Peak	Horizontal
15.60	31.79	33.21	35.82	9.52	38.70	54.00	-15.30	Average	Horizontal
15.60	43.82	32.82	35.82	9.52	50.34	68.20	-17.86	Peak	Vertical
15.60	32.21	32.82	35.82	9.52	38.73	54.00	-15.27	Average	Vertical

Channel 48 / 5240 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.72	42.38	33.21	35.82	9.52	49.29	68.20	-18.91	Peak	Horizontal
15.72	33.11	33.21	35.82	9.52	40.02	54.00	-13.98	Average	Horizontal
15.72	50.02	32.82	35.82	9.52	56.54	68.20	-11.66	Peak	Vertical
15.72	32.09	32.82	35.82	9.52	38.61	54.00	-15.39	Average	Vertical

IEEE 802.11ac VHT20

Channel 36 / 5180 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.54	49.22	33.21	35.82	9.52	56.13	68.20	-12.07	Peak	Horizontal
15.54	30.48	33.21	35.82	9.52	37.39	54.00	-16.61	Average	Horizontal
15.54	44.44	32.82	35.82	9.52	50.96	68.20	-17.24	Peak	Vertical
15.54	36.67	32.82	35.82	9.52	43.19	54.00	-10.81	Average	Vertical

Channel 40 / 5200 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.60	50.04	33.21	35.82	9.52	56.95	68.20	-11.25	Peak	Horizontal
15.60	33.19	33.21	35.82	9.52	40.10	54.00	-13.90	Average	Horizontal
15.60	46.31	32.82	35.82	9.52	52.83	68.20	-15.37	Peak	Vertical
15.60	34.89	32.82	35.82	9.52	41.41	54.00	-12.59	Average	Vertical

Channel 48 / 5240 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.72	50.88	33.21	35.82	9.52	57.79	68.20	-10.41	Peak	Horizontal
15.72	32.17	33.21	35.82	9.52	39.08	54.00	-14.92	Average	Horizontal
15.72	42.67	32.82	35.82	9.52	49.19	68.20	-19.01	Peak	Vertical
15.72	28.78	32.82	35.82	9.52	35.30	54.00	-18.70	Average	Vertical

IEEE 802.11n HT40

Channel 38 / 5190 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.57	46.96	33.21	35.82	9.52	53.87	68.20	-14.33	Peak	Horizontal
15.57	30.62	33.21	35.82	9.52	37.53	54.00	-16.47	Average	Horizontal
15.57	50.70	32.82	35.82	9.52	57.22	68.20	-10.98	Peak	Vertical
15.57	28.43	32.82	35.82	9.52	34.95	54.00	-19.05	Average	Vertical

Channel 46 / 5230 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.69	47.71	33.21	35.82	9.52	54.62	68.20	-13.58	Peak	Horizontal
15.69	31.91	33.21	35.82	9.52	38.82	54.00	-15.18	Average	Horizontal
15.69	43.03	32.82	35.82	9.52	49.55	68.20	-18.65	Peak	Vertical
15.69	36.91	32.82	35.82	9.52	43.43	54.00	-10.57	Average	Vertical

IEEE 802.11ac VHT40

Channel 38 / 5190 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.57	44.24	33.21	35.82	9.52	51.15	68.20	-17.05	Peak	Horizontal
15.57	36.70	33.21	35.82	9.52	43.61	54.00	-10.39	Average	Horizontal
15.57	40.77	32.82	35.82	9.52	47.29	68.20	-20.91	Peak	Vertical
15.57	33.87	32.82	35.82	9.52	40.39	54.00	-13.61	Average	Vertical

Channel 46 / 5230 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.69	40.48	33.21	35.82	9.52	47.39	68.20	-20.81	Peak	Horizontal
15.69	28.98	33.21	35.82	9.52	35.89	54.00	-18.11	Average	Horizontal
15.69	48.27	32.82	35.82	9.52	54.79	68.20	-13.41	Peak	Vertical
15.69	37.66	32.82	35.82	9.52	44.18	54.00	-9.82	Average	Vertical

IEEE 802.11ac VHT80

Channel 42 / 5210 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol
15.63	42.16	33.21	35.82	9.52	49.07	68.20	-19.13	Peak	Horizontal
15.63	37.24	33.21	35.82	9.52	44.15	54.00	-9.85	Average	Horizontal
15.63	50.28	32.82	35.82	9.52	56.80	68.20	-11.40	Peak	Vertical
15.63	30.02	32.82	35.82	9.52	36.54	54.00	-17.46	Average	Vertical

Notes:

1). Measuring frequencies from 9 KHz ~ 40GHz, emissions are attenuated more than 20dB below the permissible limits generated frequency to 30MHz.
2). Radiated emissions measured in frequency range from 9 KHz ~ 40GHz were made with an instrument using Peak detector mode.
3). 18~40GHz at least have 20dB margin. No recording in the test report.
4). Worst case data at IEEE 802.11a; MCS0 at IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40, IEEE 802.11ac VHT80.
5). Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
6). Margin=Reading level+Cab loss+Ant Fac-Pre Fac-Limit

5.6. Power Line Conducted Emissions

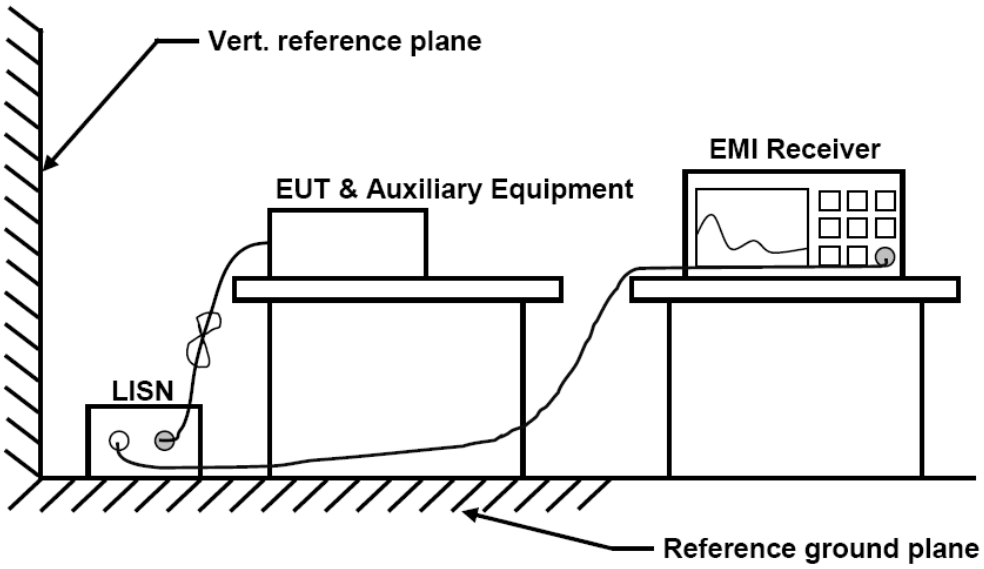
5.6.1 Standard Applicable

According to §15.207 (a): For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range are listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

* Decreasing linearly with the logarithm of the frequency

5.6.2 Block Diagram of Test Setup



5.6.3 Disturbance Calculation

The AC mains conducted disturbance is calculated by adding the 10dB Pulse Limiter and Cable Factor and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

CD (dBuV) = RA (dBuV) + PL (dB) + CL (dB)

Where CD = Conducted Disturbance	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	PL = 10 dB Pulse Limiter Factor

5.6.4 Test Results

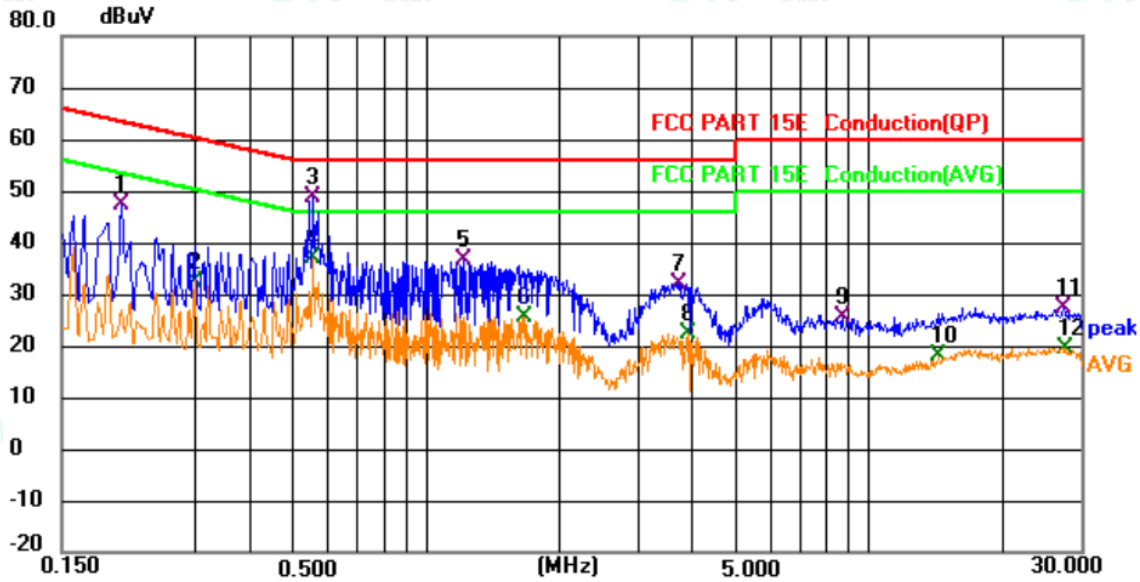
Temperature	22.5℃	Humidity	53.7%
Test Engineer	Paddi Chen	Configurations	IEEE 802.11a/n/ac

PASS.

The test data please refer to following page.

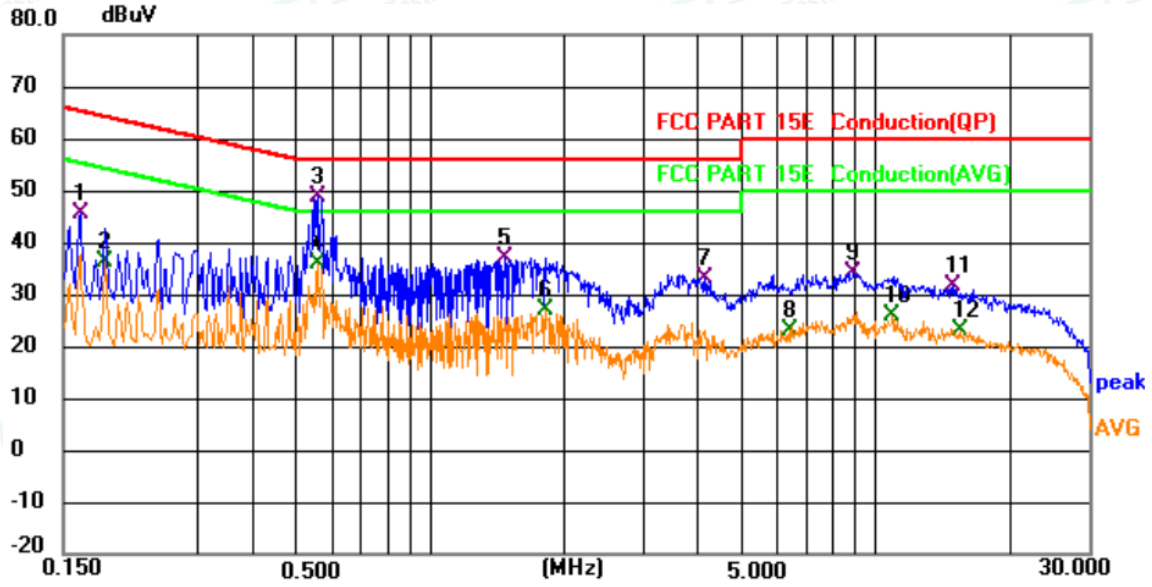
AC Conducted Emission of Adapter @ AC 120V/60Hz (worst case)

Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.205	27.67	19.66	47.33	63.41	-16.08	QP	
2		0.299	12.69	19.81	32.50	50.27	-17.77	AVG	
3	*	0.555	29.09	19.67	48.76	56.00	-7.24	QP	
4		0.555	17.12	19.67	36.79	46.00	-9.21	AVG	
5		1.216	17.57	19.10	36.67	56.00	-19.33	QP	
6		1.662	6.53	19.01	25.54	46.00	-20.46	AVG	
7		3.720	12.85	19.19	32.04	56.00	-23.96	QP	
8		3.901	3.21	19.18	22.39	46.00	-23.61	AVG	
9		8.683	5.78	19.63	25.41	60.00	-34.59	QP	
10		14.364	-1.81	19.89	18.08	50.00	-31.92	AVG	
11		27.271	8.54	18.91	27.45	60.00	-32.55	QP	
12		27.708	0.43	18.96	19.39	50.00	-30.61	AVG	

Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.164	25.92	19.64	45.56	65.26	-19.70	QP	
2		0.186	16.46	19.72	36.18	54.21	-18.03	AVG	
3	*	0.559	29.37	19.42	48.79	56.00	-7.21	QP	
4		0.559	16.47	19.42	35.89	46.00	-10.11	AVG	
5		1.464	18.08	18.96	37.04	56.00	-18.96	QP	
6		1.810	7.90	19.08	26.98	46.00	-19.02	AVG	
7		4.119	14.11	18.97	33.08	56.00	-22.92	QP	
8		6.410	3.92	19.22	23.14	50.00	-26.86	AVG	
9		8.889	14.47	19.76	34.23	60.00	-25.77	QP	
10		10.892	6.37	19.57	25.94	50.00	-24.06	AVG	
11		14.834	11.77	19.73	31.50	60.00	-28.50	QP	
12		15.549	3.43	19.66	23.09	50.00	-26.91	AVG	

****Note: 1)Pre-scan all modes and recorded the worst case results in this report (IEEE 802.11a mode (Low Channel)).*

2). Measurement = Reading + Correct Factor, Margin = Measurement – Limit,
Correct Factor=Lisn Factor+Cable Factor+Insertion loss of Pulse Limiter.

5.7 Emissions in Restricted Bands

5.7.1 Limit

According to ξ15.407 (b) Undesirable emission limits. Except as shown in paragraph (b) (7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(a) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(b) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(c) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(d) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.5 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.

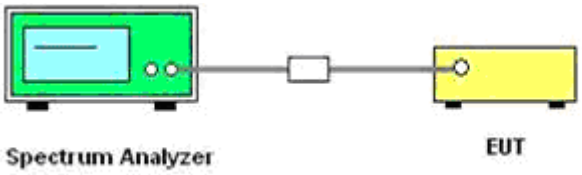
(e) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

(f) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.

(g) The provisions of §15.205 apply to intentional radiators operating under this section.

(h) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

5.7.2 Test Configuration



5.7.3 Test Procedure

According to KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section G: Unwanted Emission Measurement

1. Unwanted Emissions in the Restricted Bands

a) For all measurements, follow the requirements in section II.G.3. “General Requirements for Unwanted Emissions Measurements.”

b) At frequencies below 1000 MHz, use the procedure described in section II.G.4. “Procedure for Unwanted Emissions Measurements below 1000 MHz.”

c) At frequencies above 1000 MHz, measurements performed using the peak and average measurement procedures described in sections II.G.5. and II.G.6, respectively, must satisfy the respective peak and average limits. If all peak measurements satisfy the average limit, then average measurements are not

required.

d) For conducted measurements above 1000 MHz, EIRP shall be computed as specified in section II.G.3.b) and then field strength shall be computed as follows (see KDB Publication 412172):

i) E[dBμV/m] = EIRP[dBm] - 20 log (d[meters]) + 104.77, where E = field strength and d = distance at which field strength limit is specified in the rules;

ii) E[dBμV/m] = EIRP[dBm] + 95.2, for d = 3 meters

e) For conducted measurements below 1000 MHz, the field strength shall be computed as specified in d), above, and then an additional 4.7 dB shall be added as an upper bound on the field strength that would be observed on a test range with a ground plane for frequencies between 30 MHz and 1000 MHz, or an additional 6 dB shall be added for frequencies below 30 MHz.

2. Unwanted Emissions that fall Outside of the Restricted Bands

a) For all measurements, follow the requirements in section II.G.3. “General Requirements for Unwanted Emissions Measurements.”

b) At frequencies below 1000 MHz, use the procedure described in section II.G.4. “Procedure for Unwanted Emissions Measurements below 1000 MHz.”

c) At frequencies above 1000 MHz, use the procedure for maximum emissions described in section II.G.5., “Procedure for Unwanted Maximum Unwanted Emissions Measurements Above 1000 MHz.”

d) Section 15.407(b) (1-3) specifies the unwanted emissions limit for the U-NII-1 and 2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz. However, an out-of-band emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz dBm/MHz peak emission limit.

i) Section 15.407(b) (4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b) (4) (i). An alternative to the band emissions mask is specified in Section 15.407(b) (4) (ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the alternative limit.

e) If radiated measurements are performed, field strength is then converted to EIRP as follows:

i) EIRP = ((E×d) ^2) / 30

Where:

- E is the field strength in V/m;
- d is the measurement distance in meters;
- EIRP is the equivalent isotopically radiated power in watts;

ii) Working in dB units, the above equation is equivalent to:

EIRP [dBm] = E [dBμV/m] + 20 log (d [meters]) - 104.77

iii) Or, if d is 3 meters:

EIRP [dBm] = E [dBμV/m] - 95.23

3) Radiated versus Conducted Measurements.

The unwanted emission limits in both the restricted and non-restricted bands are based on radiated measurements; however, as an alternative, antenna-port conducted measurements in conjunction with cabinet emissions tests will be permitted to demonstrate compliance provided that the following steps are performed:

(i) Cabinet emissions measurements. A radiated test shall be performed to ensure that cabinet emissions are below the emission limits. For the cabinet-emission measurements the antenna may be replaced by a termination matching the nominal impedance of the antenna.

(ii) Impedance matching. Conducted tests shall be performed using equipment that matches the nominal impedance of the antenna assembly used with the EUT.

(iii) EIRP calculation. A value representative of an upper bound on out-of-band antenna gain (in dBi) shall be added to the measured antenna-port conducted emission power to compute EIRP within the specified measurement bandwidth. (For emissions in the restricted bands, additional calculations are required to convert EIRP to field strength at the specified distance.) The upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands or 2 dBi, whichever is greater.3 However, for devices that operate in multiple bands using the same transmit antenna, the highest gain of the antenna within the operating band nearest to the out-of-band frequency being measured may be used in lieu of the overall highest gain when measuring emissions at frequencies within 20% of the absolute frequency at the nearest edge of that band, but in no case shall a value less than 2 dBi be selected.

(iv) EIRP adjustments for multiple outputs. For devices with multiple outputs occupying the same or overlapping frequency ranges in the same band (e.g., MIMO or beamforming devices), compute the

total EIRP as follows:

- Compute EIRP for each output, as described in (iii), above.
- Follow the procedures specified in KDB Publication 662911 for summing emissions across the outputs or adjusting emission levels measured on individual outputs by 10 log (N_{ANT}), where N_{ANT} is the number of outputs.
- Add the array gain term specified in KDB Publication 662911 for out-of-band and spurious signals.

(v) Direction of maximum emission.

For all radiated emissions tests, measurements shall correspond to the direction of maximum emission level for each measured emission (see ANSI C63.10 for guidance).

5.7.4 Test Results

PASS

Please refer to Appendix D.4

Remark:

1. *Measured Undesirable emission at difference data rate for each mode and recorded worst case for each mode;*
2. *Test results including cable loss;*
3. *Worst case data at IEEE 802.11a; MCS0 at IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40, IEEE 802.11ac VHT80;*
4. *Covert Radiated E Level At 3m = Conducted average power + Directional Gain + 104.77-20*log(3);*

5.8. Frequency Stability

5.8.1 Standard Applicable

According to FCC §15.407(g) “Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.”

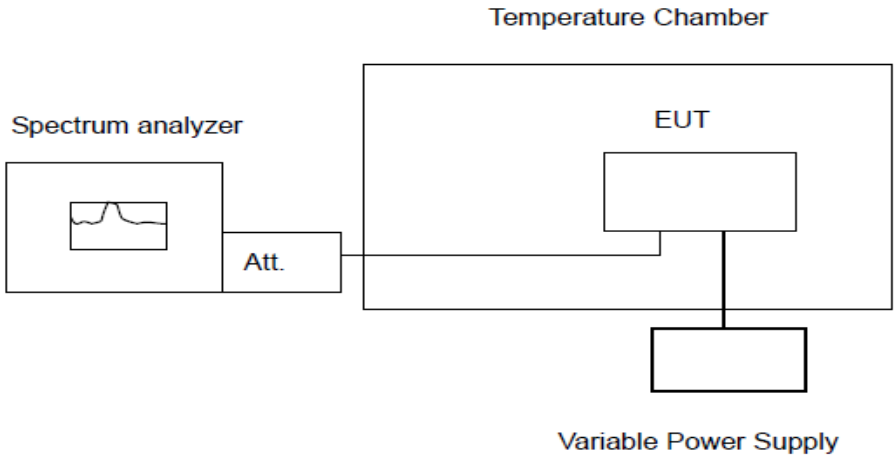
According to FCC §2.1055(a) “The frequency stability shall be measured with variation of ambient temperature as follows:”

(1) From −30° to + 50° centigrade for all equipment except that specified in paragraphs (a) (2) and (3) of this section.

(2) From −20° to + 50° centigrade for equipment to be licensed for use in the Maritime Services under part 80 of this chapter, except for Class A, B, and S Emergency Position Indicating Radiobeacons (EPIRBS), and equipment to be licensed for use above 952 MHz at operational fixed stations in all services, stations in the Local Television Transmission Service and Point-to-Point Microwave Radio Service under part 21 of this chapter, equipment licensed for use aboard aircraft in the Aviation Services under part 87 of this chapter, and equipment authorized for use in the Family Radio Service under part 95 of this chapter.

(3) From 0° to + 50° centigrade for equipment to be licensed for use in the Radio Broadcast Services under part 73 of this chapter.

5.8.2 Test Configuration



5.8.3 Test Procedure

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum anzlyer via feed through attenators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low engouh to obtain the desired frequency resoluation and measure EUT 20 degree operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30 degree. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure wuth 10 degree increased per stage until the highest temperature of +50 degree reached.

5.8.4 Test Results

PASS

Please refer to Appendix D.5

5.9. On Time and Duty Cycle

5.9.1. Standard Applicable

None; for reporting purpose only

5.9.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of the spectrum analyzer.

5.9.3. Test Procedures

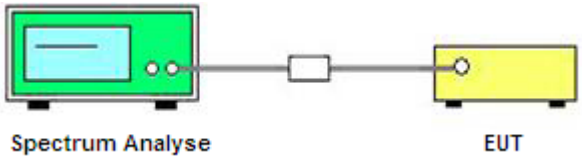
1). Set the Centre frequency of the spectrum analyzer to the transmitting frequency;

2). Set the span=0MHz, RBW=8MHz, VBW=8.0MHz, Sweep time=Auto;

3). Detector = peak;

4). Trace mode = Single hold.

5.9.4. Test Setup Layout



5.9.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.9.6. Test result

Pass

Please refer to Appendix D.6

5.10. Antenna Requirements

5.10.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203:
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited

And according to FCC 47 CFR Section 15.407 (a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

5.10.2 Antenna Connected Construction

5.10.2.1. Standard Applicable

According to § 15.203 & RSS-Gen, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

5.10.2.2. Antenna Connector Construction

The gains of antenna used for transmitting is 0.65dBi(Max), and the antenna is PIFA Antenna connect to PCB board and no consideration of replacement. Please see EUT photo for details, meet 15.203 & RSS-Gen antenna requirement.

5.10.2.3. Results: Compliance.

6. LIST OF MEASURING EQUIPMENTS

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2024-06-06	2025-06-05
2	Power Sensor	R&S	NRV-Z81	100458	2024-06-06	2025-06-05
3	Power Sensor	R&S	NRV-Z32	10057	2024-06-06	2025-06-05
4	Test Software	Tonscend	JS1120-2	/	N/A	N/A
5	RF Control Unit	Tonscend	JS0806-2	N/A	2024-11-08	2025-11-07
6	MXA Signal Analyzer	Agilent	N9020A	MY50510140	2024-10-08	2025-10-07
7	DC Power Supply	Agilent	E3642A	N/A	2024-10-08	2025-10-07
8	EMI Test Software	AUDIX	E3	/	N/A	N/A
9	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2024-06-06	2025-06-05
10	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
11	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2024-07-13	2027-07-12
12	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2024-08-03	2027-08-02
13	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2024-07-13	2027-07-12
14	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2024-07-13	2027-07-12
15	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2024-07-30	2025-07-29
16	EMI Test Receiver	R&S	ESR 7	101181	2024-06-06	2025-06-05
17	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2024-06-06	2025-06-05
18	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2024-10-08	2025-10-07
19	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2024-10-08	2025-10-07
20	6dB Attenuator	/	100W/6dB	1172040	2024-06-06	2025-06-05
21	3dB Attenuator	/	2N-3dB	/	2024-10-08	2025-10-07
22	EMI Test Receiver	R&S	ESPI	101940	2024-06-06	2025-06-05
23	Artificial Mains	R&S	ENV216	101288	2024-06-06	2025-06-05
24	10dB Attenuator	SCHWARZBECK	MTS-IMP-136	261115-001-0032	2024-06-06	2025-06-05
25	EMI Test Software	Farad	EZ	/	N/A	N/A
26	Antenna Mast	Max-Full	MFA-515BSN	1308572	N/A	N/A
27	Pulse Limiter	R&S	ESH3-Z2	102750-NB	2024-06-06	2025-06-05

7. TEST SETUP PHOTOGRAPHS OF EUT

Please refer to separated files for Test Setup Photos of the EUT.

8. EXTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

9. INTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

----------THE END OF REPORT----------

FCC TEST REPORT

For

Lunar Industries inc.

Smart Phone

Test Model: BraX3

Prepared for	:	Lunar Industries inc.
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel	:	(+86)755-82591330
Fax	:	(+86)755-82591332
Web	:	www.LCS-cert.com
Mail	:	webmaster@LCS-cert.com
Date of receipt of test sample	:	February 26, 2025
Number of tested samples	:	2
Sample No.	:	A250303080-1, A250303080-2
Serial number	:	Prototype
Date of Test	:	February 26, 2025 ~ March 25, 2025
Date of Report	:	March 26, 2025

FCC TEST REPORT
FCC CFR 47 PART 15E (15.407)

Report Reference No.	**:**	**LCSA11204234EF**
Date of Issue	:	March 26, 2025
Testing Laboratory Name.....	**:**	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Testing Location/ Procedure	:	Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □
Applicant's Name	**:**	**Lunar Industries inc.**
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Test Specification		
Standard	:	FCC CFR 47 PART 15E (15.407)
Test Report Form No.....	**:**	TRF-4-E-149 A/0
TRF Originator.....	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF.....	:	Dated 2011-03

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EUT Description.	**:**	**Smart Phone**
Trade Mark	:	Brax
Test Model.....	:	BraX3
Ratings	:	Please Refer to Page 6
Result	:	**Positive**

Supervised by:	**Compiled by:**	**Approved by:**
Jack Liu/Administrator	Cary Luo/ Technique principal	Gavin Liang/ Manager

FCC -- TEST REPORT

Test Report No. : **LCSA11204234EF**	March 26, 2025 Date of issue

Test Model.....	: BraX3
EUT.....	: Smart Phone
Applicant.....	**: Lunar Industries inc.**
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Manufacturer.....	**: Lunar Industries inc.**
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Factory.....	**: Sichuan koobee communication equipment Co., Ltd.**
Address.....	: Building 2, No.69, West of gangyuan Road, Lingang economic and technological development zone, Yibin City, Sichuan Province, P.R.China
Telephone.....	: /
Fax.....	: /

Test Result:	**Positive**

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revision History

Report Version	Issue Date	Revision Content	Revised By
000	March 26, 2025	Initial Issue	---

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1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	Smart Phone
Test Model	:	BraX3
Ratings	:	Input:5V⎓2A DC 3.87V by Rechargeable Li-ion Battery, 4900mAh
Hardware Version	:	KE115S_01
Software Version	:	V600.BX3.25032025.16.19.AD
Bluetooth	:	
Frequency Range	:	2402MHz~2480MHz
Channel Number	:	79 channels for Bluetooth V5.2 (DSS) 40 channels for Bluetooth V5.2 (DTS)
Channel Spacing	:	1MHz for Bluetooth V5.2 (DSS) 2MHz for Bluetooth V5.2 (DTS)
Modulation Type	:	GFSK, π/4-DQPSK, 8-DPSK for Bluetooth V5.2 (DSS) GFSK for Bluetooth V5.2 (DTS)
Bluetooth Version	:	V5.2
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(2.4G Band)	:	
Frequency Range	:	2412MHz~2462MHz
Channel Spacing	:	5MHz
Channel Number	:	11 Channels for 20MHz bandwidth (2412~2462MHz) 7 Channels for 40MHz bandwidth (2422~2452MHz)
Modulation Type	:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(5.2G Band)	:	
Frequency Range	:	5180MHz~5240MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5180MHz~5240MHz) 2 channels for 40MHz bandwidth(5190MHz~5230MHz) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.3G Band)		
Frequency Range	:	5260MHz~5320MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5260MHz~5320MHz) 2 channels for 40MHz bandwidth(5270MHz~5310MHz) 1 channels for 80MHz bandwidth(5290MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.5G Band)	:	
Frequency Range	:	5500MHz~5700MHz
Channel Number	:	11 Channels for 20MHz bandwidth(5500MHz~5700MHz) 5 Channels for 40MHz bandwidth(5510MHz~5670MHz)

		2 Channels for 80MHz bandwidth(5530MHz, 5610MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.8G Band)	:	
Frequency Range	:	5745MHz~5825MHz
Channel Number	:	5 channels for 20MHz bandwidth(5745MHz~5825MHz) 2 channels for 40MHz bandwidth(5755MHz~5795MHz) 1 channels for 80MHz bandwidth(5775MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5),0.65dBi(Max.)
2G	:	
Support Band	:	☒GSM 900 (EU-Band) ☒DCS 1800 (EU-Band) ☒GSM 850 (U.S.-Band) ☒PCS 1900 (U.S.-Band)
Release Version	:	R9
GPRS Class	:	Class 12
EGPRS Class	:	Class 12
Type Of Modulation	:	GMSK for GSM/GPRS; GMSK/8PSK for EGPRS
Antenna Description	:	GSM 850: -3.2 dBi(ANT0), -6.0 dBi(ANT3) PCS 1900: -0.8 dBi(ANT3), -2.0 dBi(ANT0)
3G	:	
Support Band	:	☒WCDMA Band I (EU-Band) ☒WCDMA Band II (U.S.-Band) ☒WCDMA Band IV (U.S.-Band) ☒WCDMA Band V (U.S.-Band) ☒WCDMA Band VIII (EU-Band)
Release Version	:	R9
Type Of Modulation	:	QPSK,16QAM
Antenna Description	:	PIFA Antenna WCDMA Band II -0.8 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band IV -1.45 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band V -3.2 dBi(ANT0), -6.0 dBi(ANT3)
LTE	:	
Support Band	:	☒E-UTRA Band 1(EU-Band) ☒E-UTRA Band 2(U.S.-Band) ☒E-UTRA Band 3(EU-Band) ☒E-UTRA Band 4(U.S.-Band) ☒E-UTRA Band 5(U.S.-Band) ☒E-UTRA Band 7(U.S.-Band) ☒E-UTRA Band 8(EU-Band) ☒E-UTRA Band 12(U.S.-Band) ☒E-UTRA Band 13(U.S.-Band) ☒E-UTRA Band 17(U.S.-Band) ☒E-UTRA Band 25(U.S.-Band) ☒E-UTRA Band 26(U.S.-Band) ☒E-UTRA Band 28(EU-Band) ☒E-UTRA Band 38(U.S.-Band) ☒E-UTRA Band 40(EU-Band) ☒E-UTRA Band 41(U.S.-Band)

		☒E-UTRA Band 42(EU-Band) ☒E-UTRA Band 66(U.S.-Band) ☒E-UTRA Band 71(U.S.-Band)
LTE Release Version	:	R15
Type Of Modulation	:	QPSK/16QAM
Antenna Description	:	PIFA Antenna For E-UTRA Band 2 -0.8 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 4 -1.45 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 5 -3.2 dBi(ANT0),-1.8 dBi(ANT3) For E-UTRA Band 7 -0.6 dBi(ANT3),-1.8 dBi(ANT0), -1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 12 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 13 -3.0 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 17 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 25 -0.75 dBi(ANT3), -2.0 dBi(ANT0) ,-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 26 -3.3 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 38 -0.6 dBi(ANT3),-1.1 dBi(ANT0),-1.8 dBi(ANT2), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 41 –0.6 dBi(ANT3), -1.1 dBi(ANT0),-1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 66 -0.78 dBi(ANT3), -2.0 dBi(ANT0),-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 71 -3.3 dBi(ANT0), -2.0 dBi(ANT3)
Power Class	:	Class 3
NR	:	
Operation Band	:	SA Band: n1: UL: 1920MHz~1980MHz, DL: 2110MHz~2170MHz n2: UL: 1850MHz~1910MHz, DL: 1930MHz~1990MHz n3: UL: 1710MHz~1785MHz, DL:1805MHz~1880MHz n5: UL: 824MHz~849MHz, DL:869MHz~894MHz n7: UL: 2500MHz~2570MHz, DL: 2620MHz~2690MHz n25: UL: 1850MHz~1915MHz, DL: 1930MHz~1995MHz n26: UL: 814MHz~849MHz, DL: 859MHz~894MHz n28: UL: 703MHz~748MHz, DL: 758MHz~803MHz n38: UL & DL: 2570MHz~2620MHz n40: UL & DL: 2300MHz~2400MHz n41: UL & DL: 2496MHz~2690MHz n66: UL: 1710MHz~1780MHz, DL: 2110MHz~2180MHz n71: UL: 663MHz~698MHz, DL: 617MHz~652MHz n77: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3980 MHz n78: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3800 MHz
Support Type	:	☒SA
Subcarrier Spacing	:	15KHz,30KHz
Modulation Type	:	DFT-BPSK, DFT-QPSK, DFT-16QAM, DFT-64QAM, DFT-256QAM CP-QPSK, CP-16QAM, CP-64QAM, CP-256QAM
SCS and Channel Bandwidths	:	n2_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,35 MHz,40 MHz n5_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n7_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40

		MHz,50MHz n25_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n26_SCS 15kHz(814~824MHz): 5 MHz,10 MHz n26_SCS 15kHz(824~849MHz): 5 MHz,10 MHz,15 MHz,20 MHz n38_SCS 30kHz:10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n41_SCS 30kHz: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz,90 MHz,100 MHz n66_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n71_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n77_SCS 30kHz: 20 MHz,50 MHz,100 MHz n78_SCS 30kHz: 20 MHz,50 MHz,100 MHz
Power Class	:	NR Band 2/5/7/25/26/38/41:PC3 NR Band 66/71/77/78: PC2
Antenna Description	:	PIFA Antenna NR Band n2: -0.8 dBi(ANT3), -6.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n5: -3.2 dBi(ANT0), -6.0 dBi(ANT3) NR Band n7: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n25: -0.75 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n26: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n38: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n41: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n66: -0.78 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n71: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n77: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7) NR Band n78: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7)
NFC	:	
Operating Frequency	:	13.56MHz
Modulation Type	:	ASK
Antenna Description	:	Internal Antenna
GPS Function	:	Support and only RX
FM Function	:	Support and only RX
Extreme temp. Tolerance	:	-30°C to +50°C
Extreme vol. Limits	:	3.3VDC to 4.45VDC (nominal: 3.87VDC)

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

1.2. Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN TIANYIN ELECTRONICS CO., LTD	Power Adapter	TPA-46050200UU	--	FCC

Note: Auxiliary equipment is provided by the laboratory.

1.3. External I/O Port

I/O Port Description	Quantity	Cable
Type-C USB Port	1	N/A
Earphone Jack Port	1	N/A

1.4. Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Test Firm Registration Number: 254912.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

1.5. Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

1.6. Measurement Uncertainty

Test Item		Frequency Range	Uncertainty	Note
Radiation Uncertainty	:	9KHz~30MHz	±3.10dB	(1)
		30MHz~200MHz	±2.96dB	(1)
		200MHz~1000MHz	±3.10dB	(1)
		1GHz~26.5GHz	±3.80dB	(1)
		26.5GHz~40GHz	±3.90dB	(1)
Conduction Uncertainty	:	150kHz~30MHz	±1.63dB	(1)
Power disturbance	:	30MHz~300MHz	±1.60dB	(1)
Output power	:	1GHz-40GHz	±0.57dB	(1)
Power Spectral Density	:	1GHz-40GHz	±1.2dB	(1)
Occupied Channel Bandwidth	:	1GHz-40GHz	±5%	(1)
Conducted RF Spurious Emission	:	9kHz-40GHz	±1.80dB	(1)
Emissions in Restricted Bands	:	1GHz-40GHz	±2.47dB	(1)
Frequency Stability	:	1GHz-40GHz	±25Hz	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.7. Description of Test Modes

The EUT has been tested under operating condition.

This test was performed with EUT in X, Y, Z position and the worst case was found when EUT in X position.
AC conducted emission pre-test at both at AC 120V/60Hz and AC 240V/60Hz modes, recorded worst case;
AC conducted emission pre-test at power adapter modes, recorded worst case;

Worst-case mode and channel used for 150 KHz-30 MHz power line conducted emissions was determined to be IEEE 802.11a mode (Middle Channel).

Worst-case mode and channel used for 9 KHz-1000 MHz radiated emissions was determined to be IEEE 802.11a mode (Middle Channel).

Worst-Case data rates were utilized from preliminary testing of the Chipset, worst-case data rates used during the testing are as follows:

IEEE 802.11a Mode: 6 Mbps, OFDM.

IEEE 802.11n HT20 Mode: MCS0, OFDM.

IEEE 802.11n HT40 Mode: MCS0, OFDM.

IEEE 802.11ac VHT20 Mode: MCS0

IEEE 802.11ac VHT40 Mode: MCS0, OFDM.

IEEE 802.11ac VHT80 Mode: MCS0, OFDM.

1.8. Channel List and Frequency

U-NI-2A

Frequency Band	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
5260~5320MHz	52	5260	60	5300
	54	5270	62	5310
	56	5280	64	5320
	58	5290	/	/
For IEEE 802.11a/n HT20/ac VHT20, Channel 52, 60 and 64 were tested. For IEEE 802.11n HT40/ac VHT40, Channel 54 and 62 were tested. For IEEE 802.11ac VHT80, Channel 58 was tested.				

U-NI-2C

Frequency Band	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
5500~5700MHz	100	5500	118	5590
	102	5510	120	5600
	104	5520	122	5610
	106	5530	124	5620
	108	5540	126	5630
	110	5550	128	5640
	112	5560	132	5660
	114	5570	134	5670
	116	5580	136	5680
	--	--	140	5700
For IEEE 802.11a/n HT20/ac VHT20, Channel 100, 116 and 140 were tested. For IEEE 802.11n HT40/ac VHT40, Channel 102, 110 and 134 were tested. For IEEE 802.11ac VHT80, Channel 106, 122 were tested.				

2. TEST METHODOLOGY

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

The radiated testing was performed at an antenna-to-EUT distance of 3 meters. All radiated and conducted emissions measurement was performed at Shenzhen LCS Compliance Testing Laboratory Ltd.

2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2. EUT Exercise

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to FCC's request, Test Procedure KDB789033 D02 General UNII Test Procedures New Rules v02r01 and KDB 662911 D01 Multiple Transmitter Output v02r01 are required to be used for this kind of FCC 15.407 UII device.

According to its specifications, the EUT must comply with the requirements of the Section 15.203, 15.205, 15.207, 15.209 and 15.407 under the FCC Rules Part 15 Subpart E.

2.3. General Test Procedures

2.3.1 Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using Quasi-peak and average detector modes.

2.3.2 Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1GHz and 1.5 m above ground plane above 1GHz. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 6.3 of ANSI C63.10-2013.

2.4. Test Sample

The application provides 2 samples to meet requirement;

Sample Number	Description
Sample 1(A250303080-1)	Engineer sample – continuous transmit
Sample 2(A250303080-2)	Normal sample – Intermittent transmit

3. SYSTEM TEST CONFIGURATION

3.1. Justification

The system was configured for testing in a continuous transmits condition.

3.2. EUT Exercise Software

The system was configured for testing in a continuous transmits condition and change test channels by software provided by application.

3.3. Special Accessories

N/A

3.4. Block Diagram/Schematics

Please refer to the related document

3.5. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

3.6. Test Setup

Please refer to the test setup photo.

4. SUMMARY OF TEST RESULTS

Applied Standard: FCC Part 15 Subpart E			
FCC Rules	Description of Test	Result	Remark
§15.407(a)	26dB Bandwidth	Compliant	Appendix E.1 & Appendix F.1
§15.407(a)	Maximum Conducted Output Power	Compliant	Appendix E.2 & Appendix F.2
§15.407(a)	Power Spectral Density	Compliant	Appendix E.3 & Appendix F.3
§15.209, §15.407(b)	Radiated Emissions	Compliant	Note 1
§15.207(a)	AC Conducted Emissions	Compliant	Note 1
§15.209, §15.407(b)	Emissions in Restricted Bands	Compliant	Appendix E.4 & Appendix F.4
§15.407(g)	Frequency Stability	Compliant	Appendix E.5 & Appendix F.5
/	On Time and Duty Cycle	/	Only reported; Appendix E.6 & Appendix F.6
§15.203	Antenna Requirements	Compliant	Note 1
§15.407 §2.1093	RF Exposure	Compliant	Note 2

Remark:
1. Note 1 – Test results inside test report;
2. Note 2 – Test results in other test report (SAR Report);

5. TEST RESULT

5.1. 26dB Occupied Bandwidth Measurement

5.1.1. Standard Applicable

No restriction limits. But resolution bandwidth within band edge measurement is 1% of the 99% occupied bandwidth.

5.1.2. Measuring Instruments and Setting

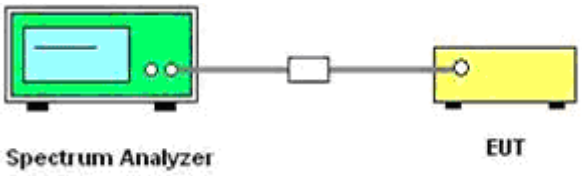
Please refer to equipment list in this report. The following table is the setting of the Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span	> 26dB Bandwidth
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.1.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer in peak hold mode.
2. The RBW = 1% - 3% of occupied bandwidth, VBW = 3*RBW;
3. Measured the spectrum width with power higher than 26dB below carrier.

5.1.4. Test Setup Layout



5.1.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.1.6. Test Result of 26dB Occupied Bandwidth

PASS

Please refer to Appendix E.1 & Appendix F.1

Remark:

1. *Measured 26dB bandwidth at difference data rate for each mode and recorded worst case for each mode.*
2. *Test results including cable loss;*
3. *Worst case data at 6Mbps at IEEE 802.11a; MCS0 at IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40, IEEE 802.11ac VHT80;*

5.2. 99% Occupied Bandwidth Measurement

5.2.1. Standard Applicable

According to §2.1049: The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured under the following conditions as applicable.

5.2.2. Measuring Instruments and Setting

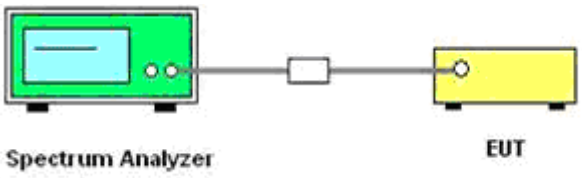
Please refer to equipment list in this report. The following table is the setting of the Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.2.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer in peak hold mode.
2. Set RBW = 1%~5% OBW; VBW≥3*RBW;
3. Measured the 99% occupied bandwidth by related function of the spectrum analyzer.

5.2.4. Test Setup Layout



5.2.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.2.6. Test Result of 99% Occupied Spectrum Bandwidth

Not Applicable

Remark:

1. *Measured 99% bandwidth at difference data rate for each mode and recorded worst case for each mode.*
2. *Test results including cable loss;*
3. *Worst case data at 6Mbps at IEEE 802.11a; MCS0 at IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40, IEEE 802.11ac VHT80;*

5.3. Maximum Conducted Output Power Measurement

5.3.1. Standard Applicable

(1) For the band 5.25-5.35 GHz and 5.47-5.725 GHz

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

5.3.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of the power meter.

5.3.3. Test Procedures

The transmitter output (antenna port) was connected to the power meter.

According to KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Section 3 (a) Method PM (Measurement using an RF average power meter):

(i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied.

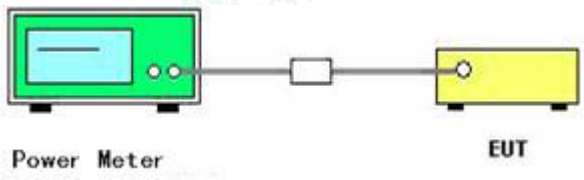
- The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
- At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
- The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.

(ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section II.B.

(iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.

(iv) Adjust the measurement in dBm by adding 10 log (1/x) where x is the duty cycle (e.g., 10 log (1/0.25) if the duty cycle is 25%).

5.3.4. Test Setup Layout



5.3.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.3.6. Test Result of Maximum Conducted Output Power

PASS

Please refer to Appendix E.2 & Appendix F.2

Remark:

1. *Measured output power at difference data rate for each mode and recorded worst case for each mode.*
2. *Test results including cable loss;*
3. *Worst case data at 6Mbps at IEEE 802.11a; MCS0 at IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40, IEEE 802.11ac VHT80;*
4. *Report conducted power = Measured conducted average power + Duty Cycle factor;*

5.4. Power Spectral Density Measurement

5.4.1. Standard Applicable

For the band 5.25-5.35 GHz and 5.47-5.725 GHz

The maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

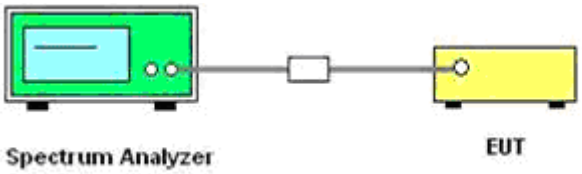
5.4.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of Spectrum Analyzer.

5.4.3. Test Procedures

1). The transmitter was connected directly to a Spectrum Analyzer through a directional couple.
2). The power was monitored at the coupler port with a Spectrum Analyzer. The power level was set to the maximum level.
3). Set the RBW = 1MHz.
4). Set the VBW ≥ 3MHz
5). Span=Encompass the entire emissions bandwidth (EBW) of the signal (or, alternatively, the entire 99% occupied bandwidth) of the signal.
6). Number of points in sweep ≥ 2 × span / RBW. (This ensures that bin-to-bin spacing is ≤ RBW/2, so that narrowband signals are not lost between frequency bins.)
7). Manually set sweep time ≥ 10 × (number of points in sweep) × (total on/off period of the transmitted signal).
8). Set detector = power averaging (rms).
9). Sweep time = auto couple.
10). Trace mode = max hold.
11). Allow trace to fully stabilize.
12). Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively.
13). Add 10 log (1/x), where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add 10 log (1/0.25) = 6 dB if the duty cycle is 25%.
14). Use the peak marker function to determine the maximum power level in any 1MHz band segment within the fundamental EBW.

5.4.4. Test Setup Layout



5.4.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.4.6. Test Result of Power Spectral Density

Limits

PASS

Please refer to Appendix E.3 & Appendix F.3

Remark

1. *Measured power spectrum density at difference data rate for each mode and recorded worst case for each mode.*
2. *Test results including cable loss;*
3. *Worst case data at 6Mbps at IEEE 802.11a; MCS0 at IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40, IEEE 802.11ac VHT80;*
4. *Report conducted PSD = Measured conducted average power + Duty Cycle factor;*

5.5. Radiated Emissions Measurement

5.5.1. Standard Applicable

15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
\1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293.	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(\2\)
13.36-13.41			

\1\ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
\2\ Above 38.6

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz (68.2dBuV/m at 3m).

In addition, In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

5.5.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average
RB / VB (Emission in non-restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP/AVG
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP/AVG
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

5.5.3. Test Procedures

1) Sequence of testing 9 kHz to 30 MHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions.

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna height is 1.0 meter.

--- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

--- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).

--- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

2) Sequence of testing 30 MHz to 1 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height changes from 1 to 3 meter.

--- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter.

--- The final measurement will be done with QP detector with an EMI receiver.

--- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

3) Sequence of testing 1 GHz to 18 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height scan range is 1 meter to 2.5 meter.

--- At each turntable position and antenna polarization the analyzer sweeps with peak detection to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter. This procedure is repeated for both antenna polarizations.

--- The final measurement will be done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, EUT-table position, antenna polarization, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

4) Sequence of testing above 18 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 1 meter.

--- The EUT was set into operation.

Premeasurement:

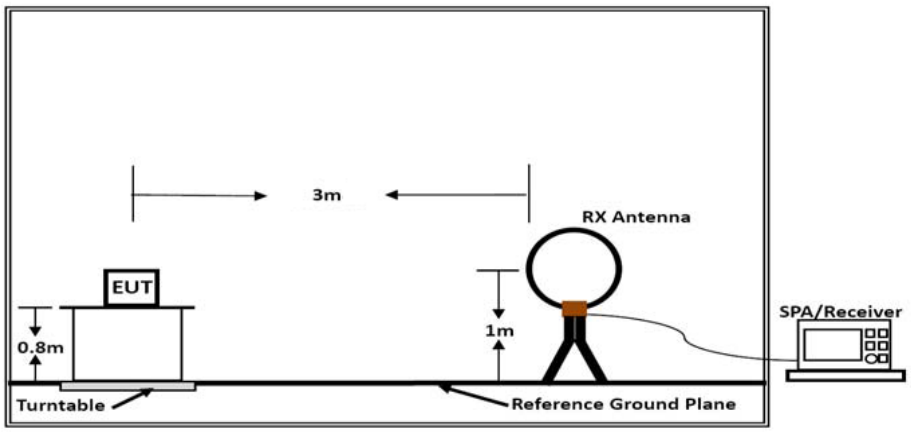
--- The antenna is moved spherical over the EUT in different polarizations of the antenna.

Final measurement:

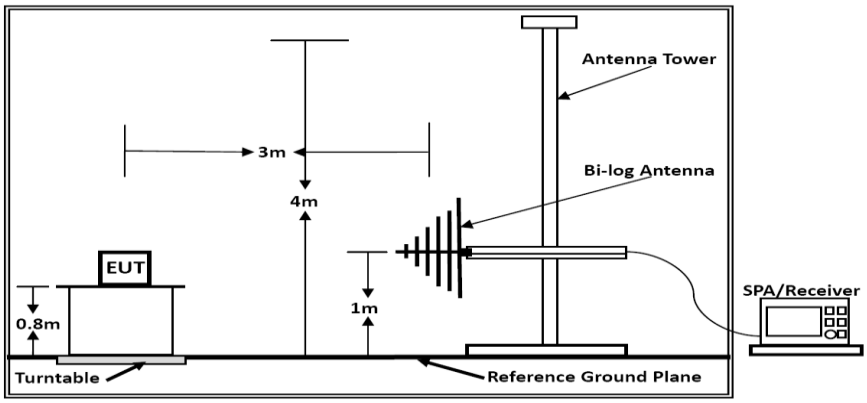
--- The final measurement will be performed at the position and antenna orientation for all detected emissions that were found during the premeasurements with Peak and Average detector.

--- The final levels, frequency, measuring time, bandwidth, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

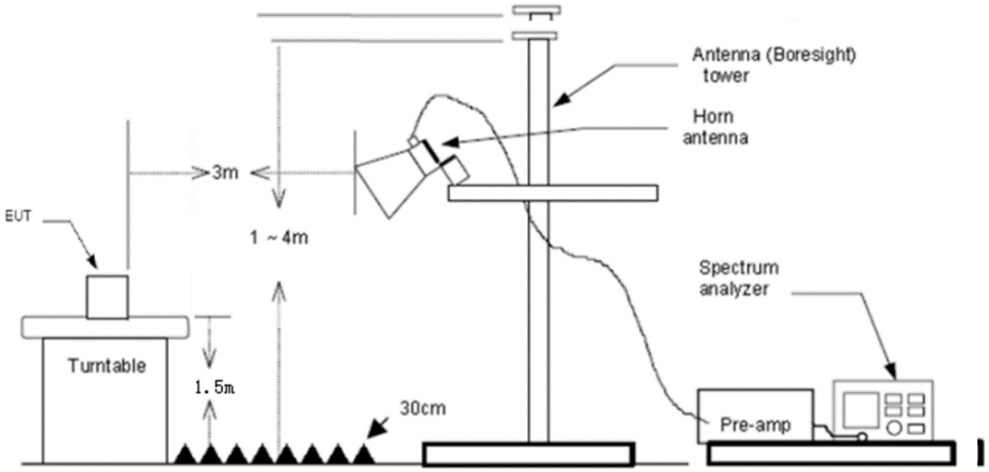
5.5.4. Test Setup Layout



Below 30MHz



Below 1GHz



Above 18 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1m.

5.5.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.5.6. Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS (dBuV/m) = RA (dBuV) + AF (dB/m) + CL (dB) – AG (dB)

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

5.5.7. Results of Radiated Emissions (9 KHz~30MHz)

Temperature	23.8℃	Humidity	52.1%
Test Engineer	Paddi Chen	Configurations	IEEE 802.11a/n/ac

Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Over Limit (dB)	Remark
-	-	-	-	See Note

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

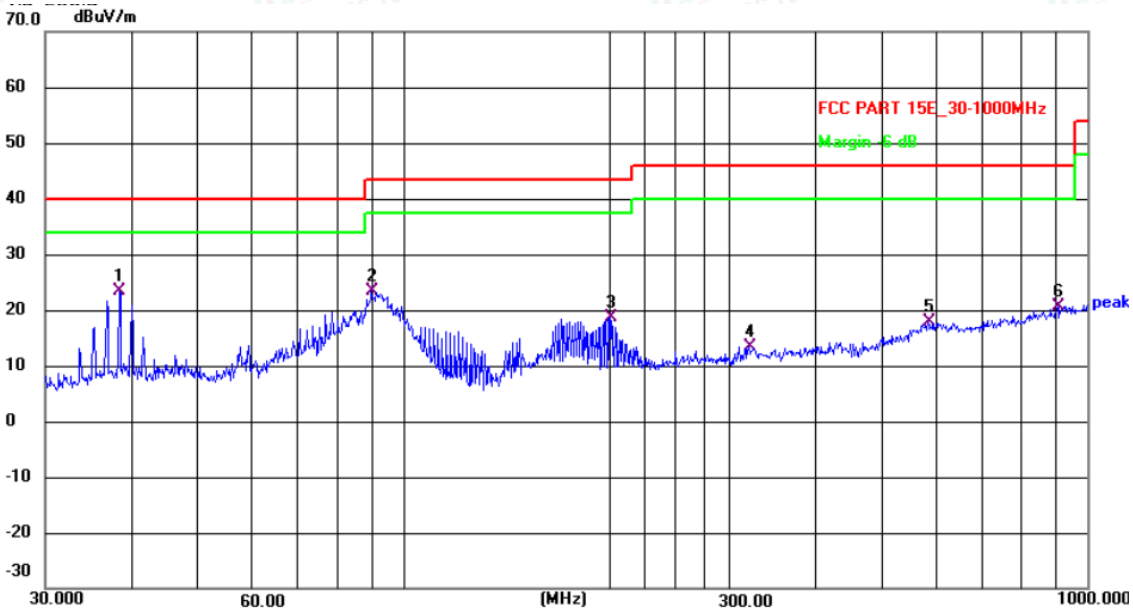
Distance extrapolation factor = 40 log (specific distance / test distance) (dB);
Limit line = specific limits (dBuV) + distance extrapolation factor.

5.5.8. Results of Radiated Emissions (30MHz~1GHz)

Temperature	23.8℃	Humidity	52.1%
Test Engineer	Paddi Chen	Configurations	IEEE 802.11a/n/ac

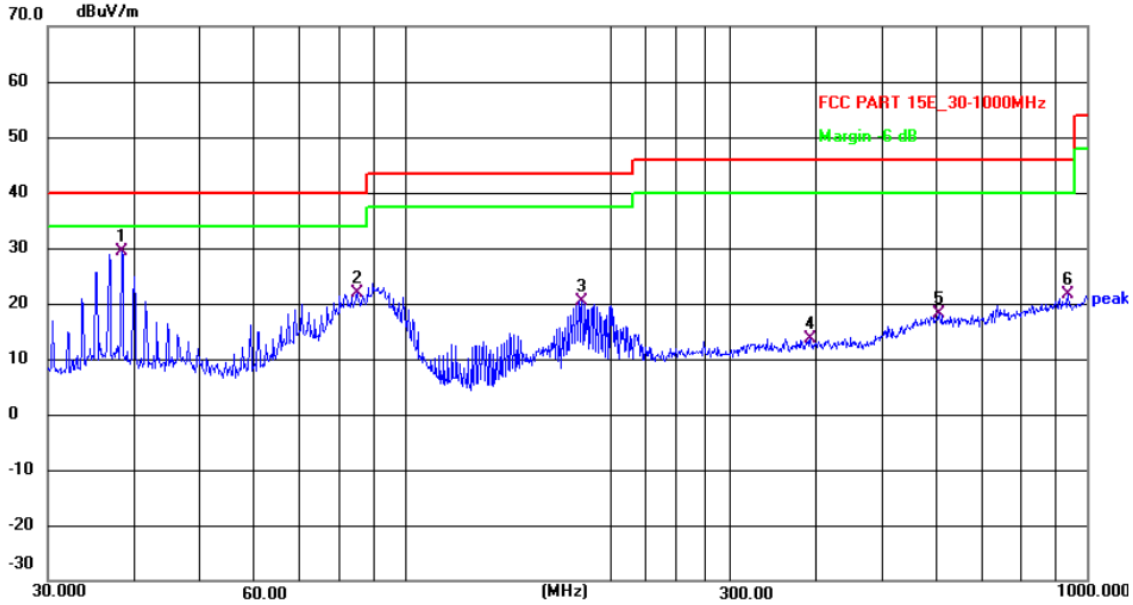
5.3G

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.4809	40.62	-17.13	23.49	40.00	-16.51	QP
2	89.9047	43.06	-19.58	23.48	43.50	-20.02	QP
3	200.6881	37.08	-18.47	18.61	43.50	-24.89	QP
4	319.9370	28.69	-15.36	13.33	46.00	-32.67	QP
5	584.7895	28.38	-10.50	17.88	46.00	-28.12	QP
6	906.4824	28.34	-7.63	20.71	46.00	-25.29	QP

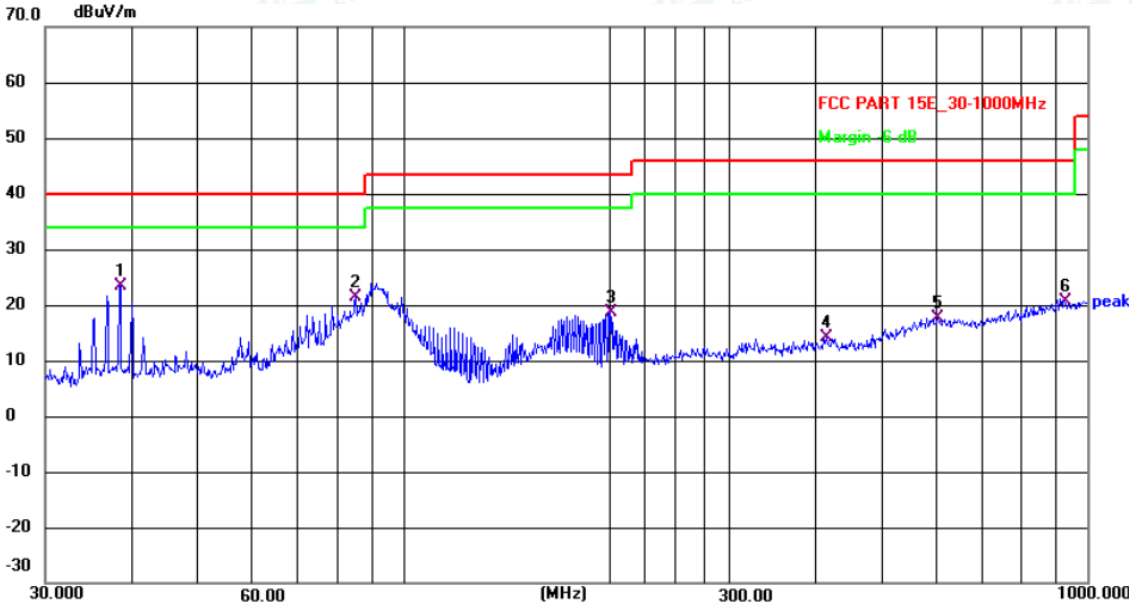
Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.4809	46.88	-17.62	29.26	40.00	-10.74	QP
2	85.2980	41.25	-19.35	21.90	40.00	-18.10	QP
3	181.9202	38.93	-18.61	20.32	43.50	-23.18	QP
4	393.4723	28.24	-14.49	13.75	46.00	-32.25	QP
5	607.7867	28.70	-10.64	18.06	46.00	-27.94	QP
6	938.8326	29.61	-8.06	21.55	46.00	-24.45	QP

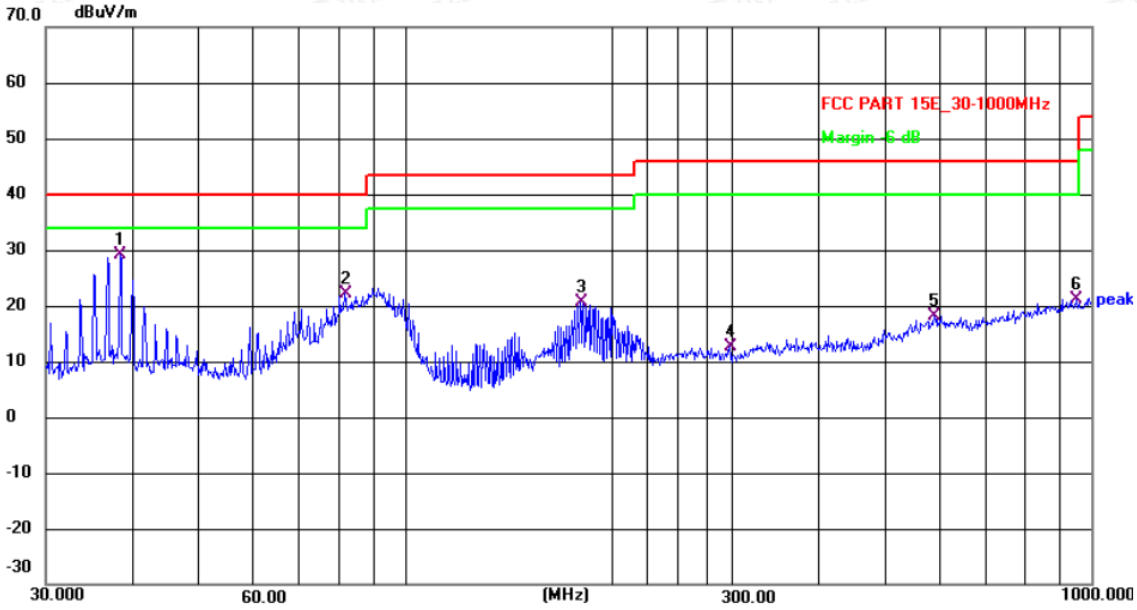
5.5G

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.6160	40.50	-17.11	23.39	40.00	-16.61	QP
2	85.2980	41.15	-19.77	21.38	40.00	-18.62	QP
3	200.6881	37.02	-18.47	18.55	43.50	-24.95	QP
4	416.1791	27.40	-13.30	14.10	46.00	-31.90	QP
5	603.5392	27.69	-10.00	17.69	46.00	-28.31	QP
6	925.7563	27.99	-7.41	20.58	46.00	-25.42	QP

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.4809	46.85	-17.62	29.23	40.00	-10.77	QP
2	81.7833	41.77	-19.70	22.07	40.00	-17.93	QP
3	180.0165	39.33	-18.68	20.65	43.50	-22.85	QP
4	297.2241	28.16	-15.60	12.56	46.00	-33.44	QP
5	590.9737	28.76	-10.58	18.18	46.00	-27.82	QP
6	952.0937	29.23	-8.13	21.10	46.00	-24.90	QP

Note: (1). Pre-scan all modes and recorded the worst case results in this report IEEE 802.11a mode (Middle Channel)
2). Emission level (dBuV/m) = 20 log Emission level (uV/m). Margin= Level-limit;
3). Factor=Antenan Factor+Cable Loss-Pre Factor;Level=Reading+Factor.

5.5.9. Results for Radiated Emissions (1 – 40 GHz)

Note: All the modes have been tested and recorded worst mode in the report.

UNII Band 2A

IEEE 802.11a

Channel 52 / 5260 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.78	49.07	33.21	35.82	9.52	55.98	68.20	-12.22	Peak	Horizontal
15.78	29.09	33.21	35.82	9.52	36.00	54.00	-18.00	Average	Horizontal
15.78	44.06	32.82	35.82	9.52	50.58	68.20	-17.62	Peak	Vertical
15.78	37.06	32.82	35.82	9.52	43.58	54.00	-10.42	Average	Vertical

Channel 60 / 5300 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.90	48.54	33.21	35.82	9.52	55.45	68.20	-12.75	Peak	Horizontal
15.90	37.78	33.21	35.82	9.52	44.69	54.00	-9.31	Average	Horizontal
15.90	47.11	32.82	35.82	9.52	53.63	68.20	-14.57	Peak	Vertical
15.90	37.94	32.82	35.82	9.52	44.46	54.00	-9.54	Average	Vertical

Channel 64 / 5320 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.96	41.43	33.21	35.82	9.52	48.34	68.20	-19.86	Peak	Horizontal
15.96	29.76	33.21	35.82	9.52	36.67	54.00	-17.33	Average	Horizontal
15.96	46.71	32.82	35.82	9.52	53.23	68.20	-14.97	Peak	Vertical
15.96	28.27	32.82	35.82	9.52	34.79	54.00	-19.21	Average	Vertical

IEEE 802.11n HT20

Channel 52 / 5260 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.78	51.00	33.21	35.82	9.52	57.91	68.20	-10.29	Peak	Horizontal
15.78	32.05	33.21	35.82	9.52	38.96	54.00	-15.04	Average	Horizontal
15.78	47.81	32.82	35.82	9.52	54.33	68.20	-13.87	Peak	Vertical
15.78	31.59	32.82	35.82	9.52	38.11	54.00	-15.89	Average	Vertical

Channel 60 / 5300 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.90	40.56	33.21	35.82	9.52	47.47	68.20	-20.73	Peak	Horizontal
15.90	32.95	33.21	35.82	9.52	39.86	54.00	-14.14	Average	Horizontal
15.90	42.38	32.82	35.82	9.52	48.90	68.20	-19.30	Peak	Vertical
15.90	36.68	32.82	35.82	9.52	43.20	54.00	-10.80	Average	Vertical

Channel 64 / 5320 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.96	42.92	33.21	35.82	9.52	49.83	68.20	-18.37	Peak	Horizontal
15.96	28.09	33.21	35.82	9.52	35.00	54.00	-19.00	Average	Horizontal
15.96	48.77	32.82	35.82	9.52	55.29	68.20	-12.91	Peak	Vertical
15.96	31.28	32.82	35.82	9.52	37.80	54.00	-16.20	Average	Vertical

IEEE 802.11ac VHT20

Channel 52 / 5260 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.78	40.30	33.21	35.82	9.52	47.21	68.20	-20.99	Peak	Horizontal
15.78	34.03	33.21	35.82	9.52	40.94	54.00	-13.06	Average	Horizontal
15.78	40.74	32.82	35.82	9.52	47.26	68.20	-20.94	Peak	Vertical
15.78	36.84	32.82	35.82	9.52	43.36	54.00	-10.64	Average	Vertical

Channel 60 / 5300 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.90	41.18	33.21	35.82	9.52	48.09	68.20	-20.11	Peak	Horizontal
15.90	38.88	33.21	35.82	9.52	45.79	54.00	-8.21	Average	Horizontal
15.90	45.80	32.82	35.82	9.52	52.32	68.20	-15.88	Peak	Vertical
15.90	34.25	32.82	35.82	9.52	40.77	54.00	-13.23	Average	Vertical

Channel 64 / 5320 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.96	40.78	33.21	35.82	9.52	47.69	68.20	-20.51	Peak	Horizontal
15.96	32.39	33.21	35.82	9.52	39.30	54.00	-14.70	Average	Horizontal
15.96	43.54	32.82	35.82	9.52	50.06	68.20	-18.14	Peak	Vertical
15.96	36.43	32.82	35.82	9.52	42.95	54.00	-11.05	Average	Vertical

IEEE 802.11n HT40
Channel 54 / 5270 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.81	46.06	33.21	35.82	9.52	52.97	68.20	-15.23	Peak	Horizontal
15.81	29.45	33.21	35.82	9.52	36.36	54.00	-17.64	Average	Horizontal
15.81	40.98	32.82	35.82	9.52	47.50	68.20	-20.70	Peak	Vertical
15.81	37.39	32.82	35.82	9.52	43.91	54.00	-10.09	Average	Vertical

Channel 62 / 5310 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.93	42.91	33.21	35.82	9.52	49.82	68.20	-18.38	Peak	Horizontal
15.93	31.53	33.21	35.82	9.52	38.44	54.00	-15.56	Average	Horizontal
15.93	43.21	32.82	35.82	9.52	49.73	68.20	-18.47	Peak	Vertical
15.93	36.10	32.82	35.82	9.52	42.62	54.00	-11.38	Average	Vertical

IEEE 802.11ac VHT40

Channel 54 / 5270 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.81	45.03	33.21	35.82	9.52	51.94	68.20	-16.26	Peak	Horizontal
15.81	36.00	33.21	35.82	9.52	42.91	54.00	-11.09	Average	Horizontal
15.81	47.07	32.82	35.82	9.52	53.59	68.20	-14.61	Peak	Vertical
15.81	35.47	32.82	35.82	9.52	41.99	54.00	-12.01	Average	Vertical

Channel 62 / 5310 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.93	43.60	33.21	35.82	9.52	50.51	68.20	-17.69	Peak	Horizontal
15.93	33.95	33.21	35.82	9.52	40.86	54.00	-13.14	Average	Horizontal
15.93	43.96	32.82	35.82	9.52	50.48	68.20	-17.72	Peak	Vertical
15.93	36.90	32.82	35.82	9.52	43.42	54.00	-10.58	Average	Vertical

IEEE 802.11ac VHT80

Channel 58 / 5290 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
15.87	40.22	33.21	35.82	9.52	47.13	68.20	-21.07	Peak	Horizontal
15.87	28.40	33.21	35.82	9.52	35.31	54.00	-18.69	Average	Horizontal
15.87	45.80	32.82	35.82	9.52	52.32	68.20	-15.88	Peak	Vertical
15.87	34.96	32.82	35.82	9.52	41.48	54.00	-12.52	Average	Vertical

UNII Band 2C

IEEE 802.11a

Channel 100 / 5500 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
16.50	42.43	33.21	35.82	9.52	49.34	68.20	-18.86	Peak	Horizontal
16.50	36.48	33.21	35.82	9.52	43.39	54.00	-10.61	Average	Horizontal
16.50	46.94	32.82	35.82	9.52	53.46	68.20	-14.74	Peak	Vertical
16.50	36.49	32.82	35.82	9.52	43.01	54.00	-10.99	Average	Vertical

Channel 116 / 5580 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
16.74	42.91	33.21	35.82	9.52	49.82	68.20	-18.38	Peak	Horizontal
16.74	29.13	33.21	35.82	9.52	36.04	54.00	-17.96	Average	Horizontal
16.74	41.98	32.82	35.82	9.52	48.50	68.20	-19.70	Peak	Vertical
16.74	38.21	32.82	35.82	9.52	44.73	54.00	-9.27	Average	Vertical

Channel 140 / 5700 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.10	45.13	33.21	35.82	9.52	52.04	68.20	-16.16	Peak	Horizontal
17.10	38.24	33.21	35.82	9.52	45.15	54.00	-8.85	Average	Horizontal
17.10	41.60	32.82	35.82	9.52	48.12	68.20	-20.08	Peak	Vertical
17.10	33.65	32.82	35.82	9.52	40.17	54.00	-13.83	Average	Vertical

IEEE 802.11n HT20

Channel 100 / 5500 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
16.50	40.93	33.21	35.82	9.52	47.84	68.20	-20.36	Peak	Horizontal
16.50	31.16	33.21	35.82	9.52	38.07	54.00	-15.93	Average	Horizontal
16.50	41.07	32.82	35.82	9.52	47.59	68.20	-20.61	Peak	Vertical
16.50	34.96	32.82	35.82	9.52	41.48	54.00	-12.52	Average	Vertical

Channel 116 / 5580 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
16.74	43.83	33.21	35.82	9.52	50.74	68.20	-17.46	Peak	Horizontal
16.74	32.70	33.21	35.82	9.52	39.61	54.00	-14.39	Average	Horizontal
16.74	45.36	32.82	35.82	9.52	51.88	68.20	-16.32	Peak	Vertical
16.74	34.92	32.82	35.82	9.52	41.44	54.00	-12.56	Average	Vertical

Channel 140 / 5700 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.10	47.20	33.21	35.82	9.52	54.11	68.20	-14.09	Peak	Horizontal
17.10	29.17	33.21	35.82	9.52	36.08	54.00	-17.92	Average	Horizontal
17.10	44.97	32.82	35.82	9.52	51.49	68.20	-16.71	Peak	Vertical
17.10	36.02	32.82	35.82	9.52	42.54	54.00	-11.46	Average	Vertical

IEEE 802.11ac VHT20

Channel 100 / 5500 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
16.50	46.55	33.21	35.82	9.52	53.46	68.20	-14.74	Peak	Horizontal
16.50	36.10	33.21	35.82	9.52	43.01	54.00	-10.99	Average	Horizontal
16.50	47.13	32.82	35.82	9.52	53.65	68.20	-14.55	Peak	Vertical
16.50	38.65	32.82	35.82	9.52	45.17	54.00	-8.83	Average	Vertical

Channel 116 / 5580 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
16.74	47.99	33.21	35.82	9.52	54.90	68.20	-13.30	Peak	Horizontal
16.74	35.73	33.21	35.82	9.52	42.64	54.00	-11.36	Average	Horizontal
16.74	44.26	32.82	35.82	9.52	50.78	68.20	-17.42	Peak	Vertical
16.74	32.60	32.82	35.82	9.52	39.12	54.00	-14.88	Average	Vertical

Channel 140 / 5700 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.10	50.39	33.21	35.82	9.52	57.30	68.20	-10.90	Peak	Horizontal
17.10	28.40	33.21	35.82	9.52	35.31	54.00	-18.69	Average	Horizontal
17.10	41.59	32.82	35.82	9.52	48.11	68.20	-20.09	Peak	Vertical
17.10	35.10	32.82	35.82	9.52	41.62	54.00	-12.38	Average	Vertical

IEEE 802.11n HT40

Channel 102 / 5510 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
16.53	50.23	33.21	35.82	9.52	57.14	68.20	-11.06	Peak	Horizontal
16.53	38.82	33.21	35.82	9.52	45.73	54.00	-8.27	Average	Horizontal
16.53	49.23	32.82	35.82	9.52	55.75	68.20	-12.45	Peak	Vertical
16.53	32.61	32.82	35.82	9.52	39.13	54.00	-14.87	Average	Vertical

Channel 110 / 5550 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
16.65	42.44	33.21	35.82	9.52	49.35	68.20	-18.85	Peak	Horizontal
16.65	35.11	33.21	35.82	9.52	42.02	54.00	-11.98	Average	Horizontal
16.65	43.49	32.82	35.82	9.52	50.01	68.20	-18.19	Peak	Vertical
16.65	34.38	32.82	35.82	9.52	40.90	54.00	-13.10	Average	Vertical

Channel 134 / 5670 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.01	40.78	33.21	35.82	9.52	47.69	68.20	-20.51	Peak	Horizontal
17.01	36.20	33.21	35.82	9.52	43.11	54.00	-10.89	Average	Horizontal
17.01	48.94	32.82	35.82	9.52	55.46	68.20	-12.74	Peak	Vertical
17.01	28.50	32.82	35.82	9.52	35.02	54.00	-18.98	Average	Vertical

IEEE 802.11ac VHT40

Channel 102 / 5510 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
16.53	48.47	33.21	35.82	9.52	55.38	68.20	-12.82	Peak	Horizontal
16.53	30.04	33.21	35.82	9.52	36.95	54.00	-17.05	Average	Horizontal
16.53	40.36	32.82	35.82	9.52	46.88	68.20	-21.32	Peak	Vertical
16.53	38.86	32.82	35.82	9.52	45.38	54.00	-8.62	Average	Vertical

Channel 110 / 5550 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
16.65	48.55	33.21	35.82	9.52	55.46	68.20	-12.74	Peak	Horizontal
16.65	31.13	33.21	35.82	9.52	38.04	54.00	-15.96	Average	Horizontal
16.65	48.21	32.82	35.82	9.52	54.73	68.20	-13.47	Peak	Vertical
16.65	36.45	32.82	35.82	9.52	42.97	54.00	-11.03	Average	Vertical

Channel 134 / 5670 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.01	46.98	33.21	35.82	9.52	53.89	68.20	-14.31	Peak	Horizontal
17.01	37.58	33.21	35.82	9.52	44.49	54.00	-9.51	Average	Horizontal
17.01	44.89	32.82	35.82	9.52	51.41	68.20	-16.79	Peak	Vertical
17.01	36.99	32.82	35.82	9.52	43.51	54.00	-10.49	Average	Vertical

IEEE 802.11ac VHT80

Channel 106 / 5530 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
16.59	43.19	33.21	35.82	9.52	50.10	68.20	-18.10	Peak	Horizontal
16.59	30.32	33.21	35.82	9.52	37.23	54.00	-16.77	Average	Horizontal
16.59	50.47	32.82	35.82	9.52	56.99	68.20	-11.21	Peak	Vertical
16.59	32.07	32.82	35.82	9.52	38.59	54.00	-15.41	Average	Vertical

Channel 122 / 5610 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
16.83	40.35	33.21	35.82	9.52	47.26	68.20	-20.94	Peak	Horizontal
16.83	37.87	33.21	35.82	9.52	44.78	54.00	-9.22	Average	Horizontal
16.83	45.56	32.82	35.82	9.52	52.08	68.20	-16.12	Peak	Vertical
16.83	34.28	32.82	35.82	9.52	40.80	54.00	-13.20	Average	Vertical

Notes:

1). Measuring frequencies from 9 KHz ~ 40GHz, emissions are attenuated more than 20dB below the permissible limits generated frequency to 30MHz.
2). Radiated emissions measured in frequency range from 9 KHz ~ 40GHz were made with an instrument using Peak detector mode.
3). 18~40GHz at least have 20dB margin. No recording in the test report.
4). Worst case data at 6Mbps at IEEE 802.11a; MCS0 at IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40, IEEE 802.11ac VHT80;
5). Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
6). Measured Level = Reading Level + Factor, Over = Measured Level – Limit, Factor = Antenna Factor + Cable Loss - Preamp Factor.

5.6. Power Line Conducted Emissions

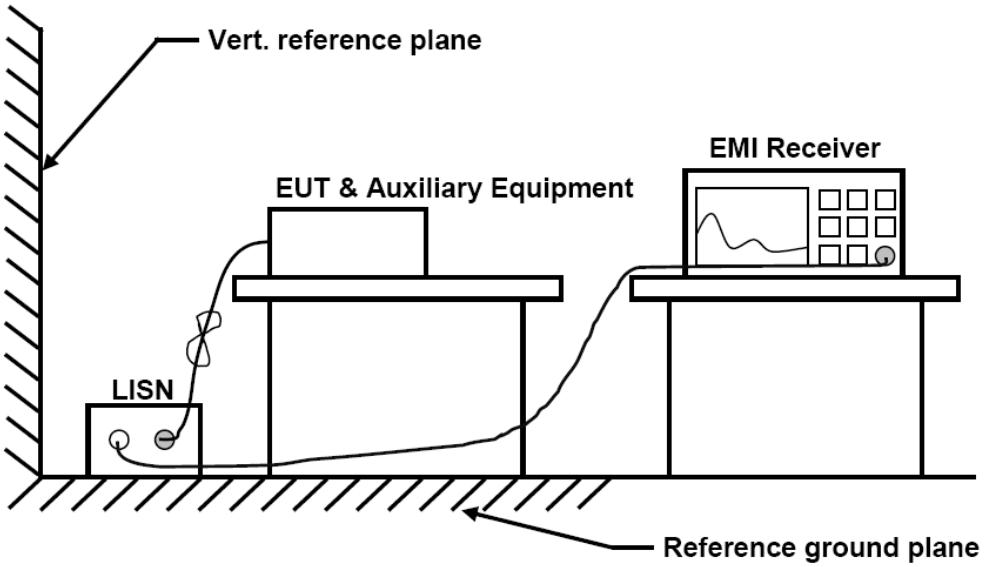
5.6.1 Standard Applicable

According to §15.207 (a): For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range are listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

* Decreasing linearly with the logarithm of the frequency

5.6.2 Block Diagram of Test Setup



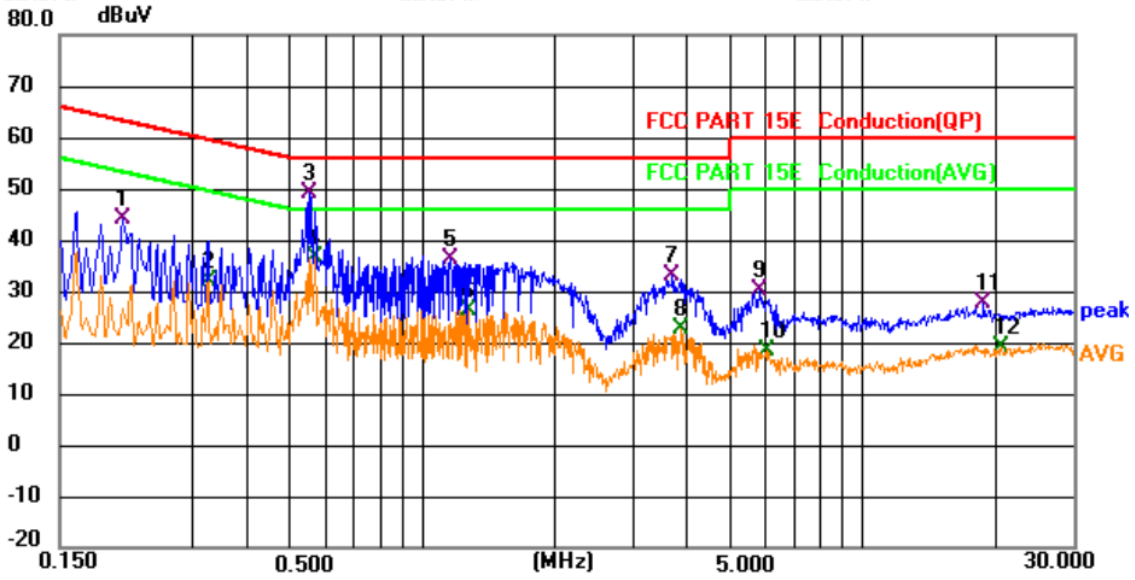
5.6.3 Test Results

Temperature	22.5℃	Humidity	53.7%
Test Engineer	Paddi Chen	Configurations	IEEE 802.11a/n/ac

PASS.

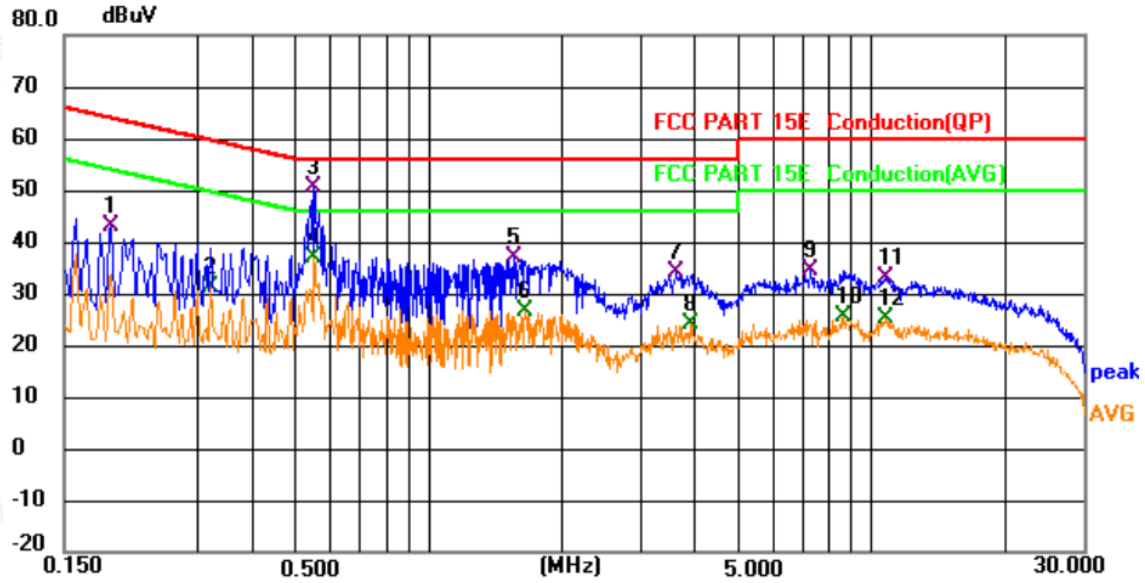
The test data please refer to following page.

5.3G
Line



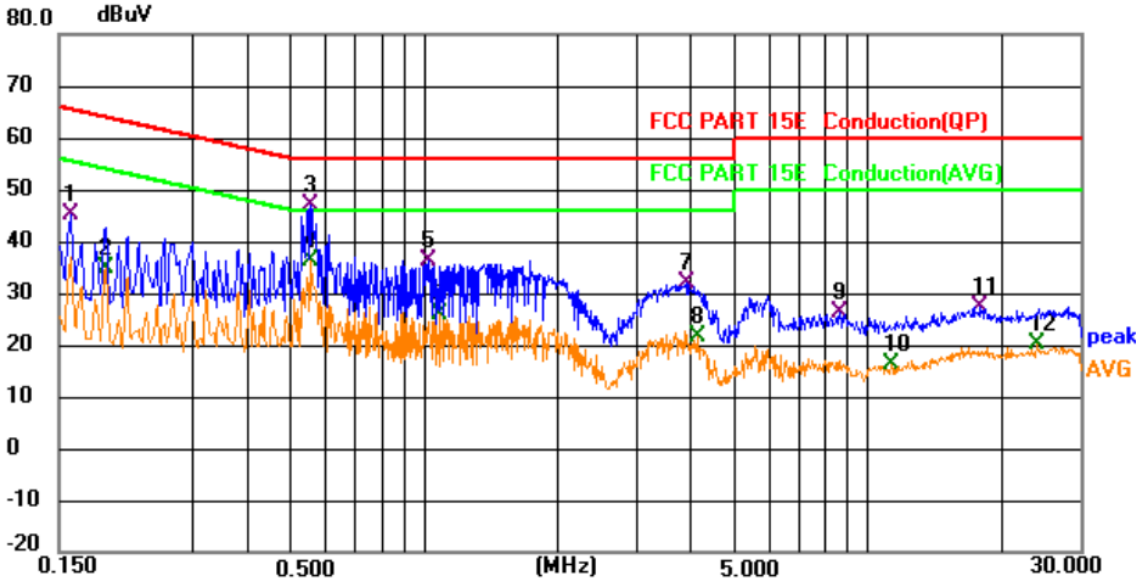
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.208	24.32	19.66	43.98	63.28	-19.30	QP	
2		0.326	12.09	19.86	31.95	49.55	-17.60	AVG	
3	*	0.555	29.32	19.67	48.99	56.00	-7.01	QP	
4		0.569	16.89	19.62	36.51	46.00	-9.49	AVG	
5		1.163	17.12	19.12	36.24	56.00	-19.76	QP	
6		1.270	7.29	19.10	26.39	46.00	-19.61	AVG	
7		3.692	13.94	19.18	33.12	56.00	-22.88	QP	
8		3.849	3.43	19.17	22.60	46.00	-23.40	AVG	
9		5.811	11.43	18.90	30.33	60.00	-29.67	QP	
10		6.050	-0.39	18.91	18.52	50.00	-31.48	AVG	
11		18.735	8.40	19.29	27.69	60.00	-32.31	QP	
12		20.562	0.10	19.03	19.13	50.00	-30.87	AVG	

Neutral



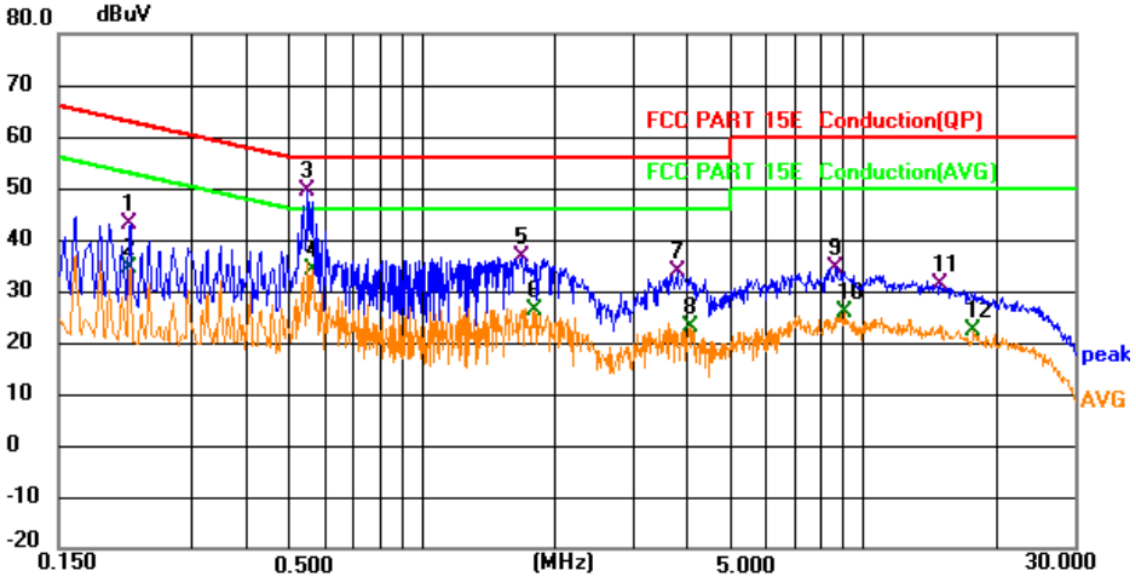
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.191	23.29	19.74	43.03	63.99	-20.96	QP	
2		0.322	11.59	19.80	31.39	49.66	-18.27	AVG	
3	*	0.549	31.04	19.41	50.45	56.00	-5.55	QP	
4		0.549	17.69	19.41	37.10	46.00	-8.90	AVG	
5		1.560	17.97	19.00	36.97	56.00	-19.03	QP	
6		1.654	7.48	19.03	26.51	46.00	-19.49	AVG	
7		3.623	15.11	18.99	34.10	56.00	-21.90	QP	
8		3.901	5.02	18.99	24.01	46.00	-21.99	AVG	
9		7.252	14.75	19.69	34.44	60.00	-25.56	QP	
10		8.637	5.79	19.81	25.60	50.00	-24.40	AVG	
11		10.733	13.56	19.56	33.12	60.00	-26.88	QP	
12		10.733	5.63	19.56	25.19	50.00	-24.81	AVG	

5.5G
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.159	25.33	19.84	45.17	65.52	-20.35	QP	
2		0.191	15.08	19.69	34.77	53.99	-19.22	AVG	
3	*	0.555	27.17	19.67	46.84	56.00	-9.16	QP	
4		0.555	16.60	19.67	36.27	46.00	-9.73	AVG	
5		1.021	17.11	19.14	36.25	56.00	-19.75	QP	
6		1.077	6.86	19.14	26.00	46.00	-20.00	AVG	
7		3.881	12.86	19.17	32.03	56.00	-23.97	QP	
8		4.114	2.52	19.14	21.66	46.00	-24.34	AVG	
9		8.637	6.47	19.63	26.10	60.00	-33.90	QP	
10		11.257	-3.40	19.56	16.16	50.00	-33.84	AVG	
11		17.849	8.02	19.44	27.46	60.00	-32.54	QP	
12		23.888	1.39	18.79	20.18	50.00	-29.82	AVG	

Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.217	23.39	19.77	43.16	62.93	-19.77	QP	
2		0.217	14.86	19.77	34.63	52.93	-18.30	AVG	
3	*	0.550	29.94	19.42	49.36	56.00	-6.64	QP	
4		0.564	14.64	19.42	34.06	46.00	-11.94	AVG	
5		1.675	17.74	19.04	36.78	56.00	-19.22	QP	
6		1.806	7.07	19.08	26.15	46.00	-19.85	AVG	
7		3.791	14.82	18.99	33.81	56.00	-22.19	QP	
8		4.047	4.00	18.98	22.98	46.00	-23.02	AVG	
9		8.646	14.75	19.81	34.56	60.00	-25.44	QP	
10		9.091	6.26	19.72	25.98	50.00	-24.02	AVG	
11		14.829	11.58	19.73	31.31	60.00	-28.69	QP	
12		17.669	2.97	19.37	22.34	50.00	-27.66	AVG	

****Note: Pre-scan all modes and recorded the worst case results in this report IEEE 802.11a mode (Middle Channel).*

Measurement = Reading + Correct, Margin = Measurement – Limit,

Correct Factor=Lisn Factor+Cable Factor+Insertion loss of Pulse Limiter.

5.7 Emissions in Restricted Bands

5.7.1 Limit

According to ξ15.407 (b) Undesirable emission limits. Except as shown in paragraph (b) (7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(a) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(b) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(c) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(d) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.

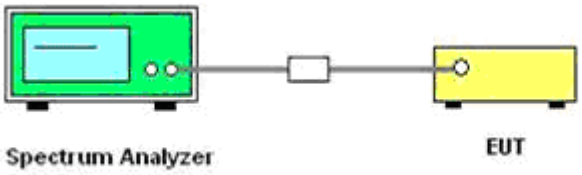
(e) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

(f) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.

(g) The provisions of §15.205 apply to intentional radiators operating under this section.

(h) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

5.7.2 Test Configuration



5.7.3 Test Procedure

According to KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section G: Unwanted Emission Measurement

1. Unwanted Emissions in the Restricted Bands

a) For all measurements, follow the requirements in section II.G.3. “General Requirements for Unwanted Emissions Measurements.”

b) At frequencies below 1000 MHz, use the procedure described in section II.G.4. “Procedure for Unwanted Emissions Measurements below 1000 MHz.”

c) At frequencies above 1000 MHz, measurements performed using the peak and average measurement procedures described in sections II.G.5. and II.G.6, respectively, must satisfy the respective peak and average limits. If all peak measurements satisfy the average limit, then average measurements are not required.

d) For conducted measurements above 1000 MHz, EIRP shall be computed as specified in section II.G.3.b) and then field strength shall be computed as follows (see KDB Publication 412172):
i) E[dBμV/m] = EIRP[dBm] - 20 log (d[meters]) + 104.77, where E = field strength and d = distance at which field strength limit is specified in the rules;
ii) E[dBμV/m] = EIRP[dBm] + 95.2, for d = 3 meters

e) For conducted measurements below 1000 MHz, the field strength shall be computed as specified in d), above, and then an additional 4.7 dB shall be added as an upper bound on the field strength that would be observed on a test range with a ground plane for frequencies between 30 MHz and 1000 MHz, or an additional 6 dB shall be added for frequencies below 30 MHz.

2. Unwanted Emissions that fall Outside of the Restricted Bands

a) For all measurements, follow the requirements in section II.G.3. “General Requirements for Unwanted Emissions Measurements.”

b) At frequencies below 1000 MHz, use the procedure described in section II.G.4. “Procedure for Unwanted Emissions Measurements below 1000 MHz.”

c) At frequencies above 1000 MHz, use the procedure for maximum emissions described in section II.G.5., “Procedure for Unwanted Maximum Unwanted Emissions Measurements Above 1000 MHz.”

d) Section 15.407(b) (1-3) specifies the unwanted emissions limit for the U-NII-1 and 2 bands. As specified, emissions above 1000 MHz that are outside of the restricted bands are subject to a peak emission limit of -27 dBm/MHz. However, an out-of-band emission that complies with both the average and peak limits of Section 15.209 is not required to satisfy the -27 dBm/MHz dBm/MHz peak emission limit.
i) Section 15.407(b) (4) specifies the unwanted emissions limit for the U-NII-3 band. A band emissions mask is specified in Section 15.407(b) (4) (i). An alternative to the band emissions mask is specified in Section 15.407(b) (4) (ii). The alternative limits are based on the highest antenna gain specified in the filing. There are also marketing and importation restrictions for the alternative limit.

e) If radiated measurements are performed, field strength is then converted to EIRP as follows:
i) EIRP = ((E×d) ^2) / 30
Where:
- E is the field strength in V/m;
- d is the measurement distance in meters;
- EIRP is the equivalent isotopically radiated power in watts;

ii) Working in dB units, the above equation is equivalent to:
EIRP [dBm] = E [dBμV/m] + 20 log (d [meters]) - 104.77
iii) Or, if d is 3 meters:
EIRP [dBm] = E [dBμV/m] - 95.23

3) Radiated versus Conducted Measurements.
The unwanted emission limits in both the restricted and non-restricted bands are based on radiated measurements; however, as an alternative, antenna-port conducted measurements in conjunction with cabinet emissions tests will be permitted to demonstrate compliance provided that the following steps are performed:

(i) Cabinet emissions measurements. A radiated test shall be performed to ensure that cabinet emissions are below the emission limits. For the cabinet-emission measurements the antenna may be replaced by a termination matching the nominal impedance of the antenna.

(ii) Impedance matching. Conducted tests shall be performed using equipment that matches the nominal impedance of the antenna assembly used with the EUT.

(iii) EIRP calculation. A value representative of an upper bound on out-of-band antenna gain (in dBi) shall be added to the measured antenna-port conducted emission power to compute EIRP within the specified measurement bandwidth. (For emissions in the restricted bands, additional calculations are required to convert EIRP to field strength at the specified distance.) The upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands or 2 dBi, whichever is greater.3 However, for devices that operate in multiple bands using the same transmit antenna, the highest gain of the antenna within the operating band nearest to the out-of-band frequency being measured may be used in lieu of the overall highest gain when measuring emissions at frequencies within 20% of the absolute frequency at the nearest edge of that band, but in no case shall a value less than 2 dBi be selected.

(iv) EIRP adjustments for multiple outputs. For devices with multiple outputs occupying the same or overlapping frequency ranges in the same band (e.g., MIMO or beamforming devices), compute the total EIRP as follows:

- Compute EIRP for each output, as described in (iii), above.
- Follow the procedures specified in KDB Publication 662911 for summing emissions across the outputs or adjusting emission levels measured on individual outputs by 10 log (N_{ANT}), where N_{ANT} is the number of outputs.
- Add the array gain term specified in KDB Publication 662911 for out-of-band and spurious signals.

(v) Direction of maximum emission.
For all radiated emissions tests, measurements shall correspond to the direction of maximum emission level for each measured emission (see ANSI C63.10 for guidance).

5.7.4 Test Results

PASS

Please refer to Appendix E.4& Appendix F.4

Remark:

1. *Measured Undesirable emission at difference data rate for each mode and recorded worst case for each mode;*
2. *Test results including cable loss;*
3. *Worst case data at 6Mbps at IEEE 802.11a; MCS0 at IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40, IEEE 802.11ac VHT80;*
4. *Covert Radiated E Level At 3m = Conducted average power + Directional Gain + 104.77-20*log(3);*

5.8. Frequency Stability

5.8.1 Standard Applicable

According to FCC §15.407(g) “Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.”

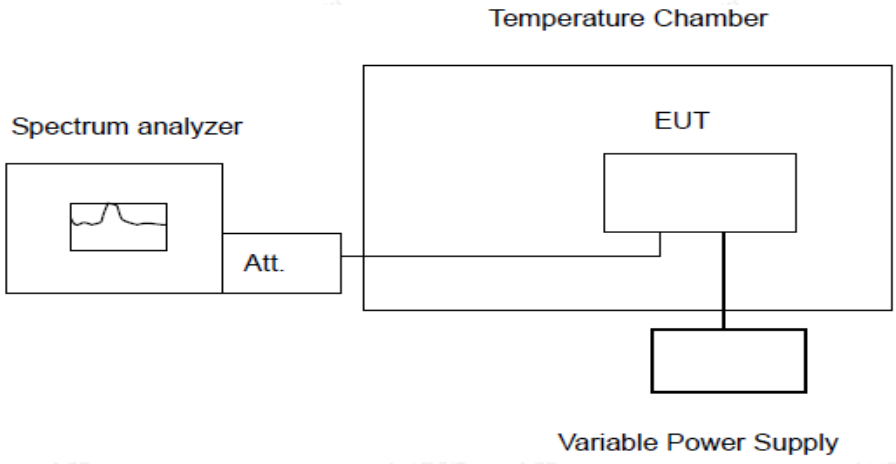
According to FCC §2.1055(a) “The frequency stability shall be measured with variation of ambient temperature as follows:”

(1) From −30° to + 50° centigrade for all equipment except that specified in paragraphs (a) (2) and (3) of this section.

(2) From −20° to + 50° centigrade for equipment to be licensed for use in the Maritime Services under part 80 of this chapter, except for Class A, B, and S Emergency Position Indicating Radiobeacons (EPIRBS), and equipment to be licensed for use above 952 MHz at operational fixed stations in all services, stations in the Local Television Transmission Service and Point-to-Point Microwave Radio Service under part 21 of this chapter, equipment licensed for use aboard aircraft in the Aviation Services under part 87 of this chapter, and equipment authorized for use in the Family Radio Service under part 95 of this chapter.

(3) From 0° to + 50° centigrade for equipment to be licensed for use in the Radio Broadcast Services under part 73 of this chapter.

5.8.2 Test Configuration



5.8.3 Test Procedure

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum anzlyer via feed through attenators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low engouh to obtain the desired frequency resoluation and measure EUT 20 degree operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30 degree. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure wuth 10 degree increased per stage until the highest temperature of +50 degree reached.

5.8.4 Test Results

PASS

Please refer to Appendix E.5 & Appendix F.5

5.9. On Time and Duty Cycle

5.9.1. Standard Applicable

None; for reporting purpose only

5.9.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of the spectrum analyzer.

5.9.3. Test Procedures

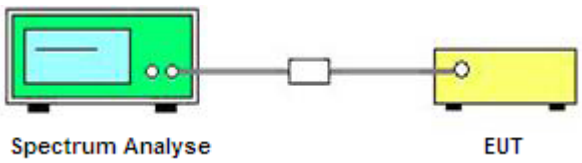
1). Set the Centre frequency of the spectrum analyzer to the transmitting frequency;

2). Set the span=0MHz, RBW=8.0MHz, VBW=8.0MHz, Sweep time=Auto;

3). Detector = peak;

4). Trace mode = Single hold.

5.9.4. Test Setup Layout



5.9.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.9.6. Test result

For reporting purpose only.

Please refer to Appendix E.6 & Appendix F.6

5.10. Antenna Requirements

5.10.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203:
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited

And according to FCC 47 CFR Section 15.407 (a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

5.10.2 Antenna Connected Construction

5.10.2.1. Standard Applicable

According to § 15.203 & RSS-Gen, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

5.10.2.2. Antenna Connector Construction

The gains of antennas used for transmitting are 5.3GWIFI: 0.65dBi(Max), 5.5GWIFI: 0.65dBi(Max), and the antenna are PIFA Antenna connect to PCB board and no consideration of replacement. Please see EUT photo for details.

5.10.2.3. Results: Compliance.

6. LIST OF MEASURING EQUIPMENTS

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2024-06-06	2025-06-05
2	Power Sensor	R&S	NRV-Z81	100458	2024-06-06	2025-06-05
3	Power Sensor	R&S	NRV-Z32	10057	2024-06-06	2025-06-05
4	Test Software	Tonscend	JS1120-2	/	N/A	N/A
5	RF Control Unit	Tonscend	JS0806-2	N/A	2024-11-08	2025-11-07
6	MXA Signal Analyzer	Agilent	N9020A	MY50510140	2024-10-08	2025-10-07
7	DC Power Supply	Agilent	E3642A	N/A	2024-10-08	2025-10-07
8	EMI Test Software	AUDIX	E3	/	N/A	N/A
9	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2024-06-06	2025-06-05
10	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
11	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2024-07-13	2027-07-12
12	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2024-08-03	2027-08-02
13	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2024-07-13	2027-07-12
14	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2024-07-13	2027-07-12
15	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2024-07-30	2025-07-29
16	EMI Test Receiver	R&S	ESR 7	101181	2024-06-06	2025-06-05
17	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2024-06-06	2025-06-05
18	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2024-10-08	2025-10-07
19	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2024-10-08	2025-10-07
20	6dB Attenuator	/	100W/6dB	1172040	2024-06-06	2025-06-05
21	3dB Attenuator	/	2N-3dB	/	2024-10-08	2025-10-07
22	EMI Test Receiver	R&S	ESPI	101940	2024-06-06	2025-06-05
23	Artificial Mains	R&S	ENV216	101288	2024-06-06	2025-06-05
24	10dB Attenuator	SCHWARZBECK	MTS-IMP-136	261115-001-0032	2024-06-06	2025-06-05
25	EMI Test Software	Farad	EZ	/	N/A	N/A
26	Antenna Mast	Max-Full	MFA-515BSN	1308572	N/A	N/A
27	Pulse Limiter	R&S	ESH3-Z2	102750-NB	2024-06-06	2025-06-05

7. TEST SETUP PHOTOGRAPHS OF EUT

Please refer to separated files for Test Setup Photos of the EUT.

8. EXTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

9. INTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

----------THE END OF REPORT----------

FCC TEST REPORT

For

Lunar Industries inc.

Smart Phone

Test Model: BraX3

Prepared for	:	Lunar Industries inc.
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel	:	(+86)755-82591330
Fax	:	(+86)755-82591332
Web	:	www.LCS-cert.com
Mail	:	webmaster@LCS-cert.com
Date of receipt of test sample	:	February 26, 2025
Number of tested samples	:	2
Sample No.	:	A250303080-1, A250303080-2
Serial number	:	Prototype
Date of Test	:	February 26, 2025 ~ March 25, 2025
Date of Report	:	March 26, 2025

FCC TEST REPORT FCC CFR 47 PART 15 E (15.407)		
Report Reference No.	:	**LCSA11204234EG**
Date of Issue.....	:	March 26, 2025
Testing Laboratory Name	:	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address.....	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Testing Location/ Procedure.....	:	Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □
Applicant's Name.....	:	**Lunar Industries inc.**
Address.....	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Test Specification		
Standard	:	FCC CFR 47 PART 15E (15.407)
Test Report Form No.....	:	TRF-4-E-150 A/0
TRF Originator	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF.....	:	Dated 2011-03

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EUT Description.....	:	**Smart Phone**
Trade Mark.....	:	Brax
Test Model	:	BraX3
Ratings.....	:	Please Refer to Page 6
Result	:	**Positive**

Compiled by:	**Supervised by:**	**Approved by:**
Jack Liu/Administrator	Cary Luo/ Technique principal	Gavin Liang/ Manager

FCC -- TEST REPORT

Test Report No. : **LCSA11204234EG**	March 26, 2025 Date of issue

Test Model.....	: BraX3
EUT.....	: Smart Phone
Applicant.....	**: Lunar Industries inc.**
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Manufacturer.....	**: Lunar Industries inc.**
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Factory.....	**: Sichuan koobee communication equipment Co., Ltd.**
Address.....	: Building 2, No.69, West of gangyuan Road, Lingang economic and technological development zone, Yibin City, Sichuan Province, P.R.China
Telephone.....	: /
Fax.....	: /

Test Result:	**Positive**

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revision History

Report Version	Issue Date	Revision Content	Revised By
000	March 26, 2025	Initial Issue	---

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1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	Smart Phone
Test Model	:	BraX3
Ratings	:	Input:5V⎓2A DC 3.87V by Rechargeable Li-ion Battery, 4900mAh
Hardware Version	:	KE115S_01
Software Version	:	V600.BX3.25032025.16.19.AD
Bluetooth	:	
Frequency Range	:	2402MHz~2480MHz
Channel Number	:	79 channels for Bluetooth V5.2 (DSS) 40 channels for Bluetooth V5.2 (DTS)
Channel Spacing	:	1MHz for Bluetooth V5.2 (DSS) 2MHz for Bluetooth V5.2 (DTS)
Modulation Type	:	GFSK, π/4-DQPSK, 8-DPSK for Bluetooth V5.2 (DSS) GFSK for Bluetooth V5.2 (DTS)
Bluetooth Version	:	V5.2
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(2.4G Band)	:	
Frequency Range	:	2412MHz~2462MHz
Channel Spacing	:	5MHz
Channel Number	:	11 Channels for 20MHz bandwidth (2412~2462MHz) 7 Channels for 40MHz bandwidth (2422~2452MHz)
Modulation Type	:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(5.2G Band)	:	
Frequency Range	:	5180MHz~5240MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5180MHz~5240MHz) 2 channels for 40MHz bandwidth(5190MHz~5230MHz) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.3G Band)		
Frequency Range	:	5260MHz~5320MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5260MHz~5320MHz) 2 channels for 40MHz bandwidth(5270MHz~5310MHz) 1 channels for 80MHz bandwidth(5290MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.5G Band)	:	
Frequency Range	:	5500MHz~5700MHz
Channel Number	:	11 Channels for 20MHz bandwidth(5500MHz~5700MHz) 5 Channels for 40MHz bandwidth(5510MHz~5670MHz)

		2 Channels for 80MHz bandwidth(5530MHz, 5610MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.8G Band)	:	
Frequency Range	:	5745MHz~5825MHz
Channel Number	:	5 channels for 20MHz bandwidth(5745MHz~5825MHz) 2 channels for 40MHz bandwidth(5755MHz~5795MHz) 1 channels for 80MHz bandwidth(5775MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5),0.65dBi(Max.)
2G	:	
Support Band	:	☒GSM 900 (EU-Band) ☒DCS 1800 (EU-Band) ☒GSM 850 (U.S.-Band) ☒PCS 1900 (U.S.-Band)
Release Version	:	R9
GPRS Class	:	Class 12
EGPRS Class	:	Class 12
Type Of Modulation	:	GMSK for GSM/GPRS; GMSK/8PSK for EGPRS
Antenna Description	:	GSM 850: -3.2 dBi(ANT0), -6.0 dBi(ANT3) PCS 1900: -0.8 dBi(ANT3), -2.0 dBi(ANT0)
3G	:	
Support Band	:	☒WCDMA Band I (EU-Band) ☒WCDMA Band II (U.S.-Band) ☒WCDMA Band IV (U.S.-Band) ☒WCDMA Band V (U.S.-Band) ☒WCDMA Band VIII (EU-Band)
Release Version	:	R9
Type Of Modulation	:	QPSK,16QAM
Antenna Description	:	PIFA Antenna WCDMA Band II -0.8 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band IV -1.45 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band V -3.2 dBi(ANT0), -6.0 dBi(ANT3)
LTE	:	
Support Band	:	☒E-UTRA Band 1(EU-Band) ☒E-UTRA Band 2(U.S.-Band) ☒E-UTRA Band 3(EU-Band) ☒E-UTRA Band 4(U.S.-Band) ☒E-UTRA Band 5(U.S.-Band) ☒E-UTRA Band 7(U.S.-Band) ☒E-UTRA Band 8(EU-Band) ☒E-UTRA Band 12(U.S.-Band) ☒E-UTRA Band 13(U.S.-Band) ☒E-UTRA Band 17(U.S.-Band) ☒E-UTRA Band 25(U.S.-Band) ☒E-UTRA Band 26(U.S.-Band) ☒E-UTRA Band 28(EU-Band) ☒E-UTRA Band 38(U.S.-Band) ☒E-UTRA Band 40(EU-Band) ☒E-UTRA Band 41(U.S.-Band)

		☒E-UTRA Band 42(EU-Band) ☒E-UTRA Band 66(U.S.-Band) ☒E-UTRA Band 71(U.S.-Band)
LTE Release Version	:	R15
Type Of Modulation	:	QPSK/16QAM
Antenna Description	:	PIFA Antenna For E-UTRA Band 2 -0.8 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 4 -1.45 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 5 -3.2 dBi(ANT0),-1.8 dBi(ANT3) For E-UTRA Band 7 -0.6 dBi(ANT3),-1.8 dBi(ANT0), -1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 12 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 13 -3.0 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 17 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 25 -0.75 dBi(ANT3), -2.0 dBi(ANT0) ,-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 26 -3.3 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 38 -0.6 dBi(ANT3),-1.1 dBi(ANT0),-1.8 dBi(ANT2), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 41 –0.6 dBi(ANT3), -1.1 dBi(ANT0),-1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 66 -0.78 dBi(ANT3), -2.0 dBi(ANT0),-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 71 -3.3 dBi(ANT0), -2.0 dBi(ANT3)
Power Class	:	Class 3
NR	:	
Operation Band	:	SA Band: n1: UL: 1920MHz~1980MHz, DL: 2110MHz~2170MHz n2: UL: 1850MHz~1910MHz, DL: 1930MHz~1990MHz n3: UL: 1710MHz~1785MHz, DL:1805MHz~1880MHz n5: UL: 824MHz~849MHz, DL:869MHz~894MHz n7: UL: 2500MHz~2570MHz, DL: 2620MHz~2690MHz n25: UL: 1850MHz~1915MHz, DL: 1930MHz~1995MHz n26: UL: 814MHz~849MHz, DL: 859MHz~894MHz n28: UL: 703MHz~748MHz, DL: 758MHz~803MHz n38: UL & DL: 2570MHz~2620MHz n40: UL & DL: 2300MHz~2400MHz n41: UL & DL: 2496MHz~2690MHz n66: UL: 1710MHz~1780MHz, DL: 2110MHz~2180MHz n71: UL: 663MHz~698MHz, DL: 617MHz~652MHz n77: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3980 MHz n78: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3800 MHz
Support Type	:	☒SA
Subcarrier Spacing	:	15KHz,30KHz
Modulation Type	:	DFT-BPSK, DFT-QPSK, DFT-16QAM, DFT-64QAM, DFT-256QAM CP-QPSK, CP-16QAM, CP-64QAM, CP-256QAM
SCS and Channel Bandwidths	:	n2_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,35 MHz,40 MHz n5_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n7_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz,50MHz

		n25_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n26_SCS 15kHz(814~824MHz): 5 MHz,10 MHz n26_SCS 15kHz(824~849MHz): 5 MHz,10 MHz,15 MHz,20 MHz n38_SCS 30kHz:10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n41_SCS 30kHz: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz,90 MHz,100 MHz n66_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n71_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n77_SCS 30kHz: 20 MHz,50 MHz,100 MHz n78_SCS 30kHz: 20 MHz,50 MHz,100 MHz
Power Class	:	NR Band 2/5/7/25/26/38/41:PC3 NR Band 66/71/77/78: PC2
Antenna Description	:	PIFA Antenna NR Band n2: -0.8 dBi(ANT3), -6.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n5: -3.2 dBi(ANT0), -6.0 dBi(ANT3) NR Band n7: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n25: -0.75 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n26: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n38: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n41: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n66: -0.78 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n71: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n77: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7) NR Band n78: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7)
NFC	:	
Operating Frequency	:	13.56MHz
Modulation Type	:	ASK
Antenna Description	:	Internal Antenna
GPS Function	:	Support and only RX
FM Function	:	Support and only RX
Extreme temp. Tolerance	:	-30°C to +50°C
Extreme vol. Limits	:	3.3VDC to 4.45VDC (nominal: 3.87VDC)

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

1.2. Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN TIANYIN ELECTRONICS CO., LTD	Power Adapter	TPA-46050200UU	--	FCC

Note: Auxiliary equipment is provided by the laboratory.

1.3. External I/O Cable

I/O Port Description	Quantity	Cable
Type-C USB Port	1	N/A
Earphone Jack Port	1	N/A

1.4. Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Test Firm Registration Number: 254912.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

1.5. Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

1.6. Measurement Uncertainty

No.	Item	Uncertainty
1	DFS Threshold (radiated)	±1.50dB
2	DFS Threshold (conducted)	±1.45dB
3	Temperature	±0.5°C
4	Humidity	±2%

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.7. Description of Test Modes

The EUT has been tested under operating condition.

Worst-Case data rates were utilized from preliminary testing of the Chipset, worst-case data rates used during the testing are as follows:

IEEE 802.11a Mode: 6 Mbps, OFDM.

IEEE 802.11n HT20 Mode: MCS0, OFDM.

IEEE 802.11n HT40 Mode: MCS0, OFDM.

IEEE 802.11ac VHT20 Mode: MCS0

IEEE 802.11ac VHT40 Mode: MCS0, OFDM.

IEEE 802.11ac VHT80 Mode: MCS0, OFDM.

1.8. Channel List and Frequency

U-NI-2A

Frequency Band	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
5260~5320MHz	52	5260	60	5300
	54	5270	62	5310
	56	5280	64	5320
	58	5290	/	/
For IEEE 802.11a/n HT20/ac VHT20, Channel 52, 60 and 64 were tested. For IEEE 802.11n HT40/ac VHT40, Channel 54 and 62 were tested. For IEEE 802.11ac VHT80, Channel 58 was tested.				

U-NI-2C

Frequency Band	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
5500~5700MHz	100	5500	118	5590
	102	5510	120	5600
	104	5520	122	5610
	106	5530	124	5620
	108	5540	126	5630
	110	5550	128	5640
	112	5560	132	5660
	114	5570	134	5670
	116	5580	136	5680
	--	--	140	5700
For IEEE 802.11a/n HT20/ac VHT20, Channel 100, 116 and 140 were tested. For IEEE 802.11n HT40/ac VHT40, Channel 102,110 and 134 were tested. For IEEE 802.11ac VHT80, Channel 106,122 were tested.				

1.9. Conduted Output Power and EIRP

Mode	Frequency Band (MHz)	Maximum Conducted Output Power (dBm)	Antenna Gain (dBi)	Maximum EIRP (dBm)	Maximum EIRP (mW)
IEEE 802.11a	5260 – 5320	13.0	0.65	13.65	23.1739
	5500 – 5700	11.85	0.65	12.5	17.7828
IEEE 802.11n HT20	5260 – 5320	11.2	0.65	11.85	15.3109
	5500 – 5700	11.72	0.65	12.37	17.2584
IEEE 802.11ac VHT20	5260 – 5320	10.65	0.65	11.3	13.4896
	5500 – 5700	10.74	0.65	11.39	13.7721
IEEE 802.11n HT40	5270 – 5310	10.06	0.65	10.71	11.7761
	5510 – 5670	9.77	0.65	10.42	11.0154
IEEE 802.11ac VHT40	5270 – 5310	10.0	0.65	10.65	11.6145
	5510 – 5670	9.8	0.65	10.45	11.0917
IEEE 802.11ac VHT80	5290	9.14	0.65	9.79	9.5280
	5530-5610	9.59	0.65	10.24	10.5682

Remark:
1. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW;

2. TEST METHODOLOGY

This report has been prepared to demonstrate compliance with the requirements for Dynamic Frequency Selection (DFS) as stated in FCC CFR 47 PART 15E(15.407). Testing was performed in accordance with the measurement procedure described in FCC KDB 905462 D02 v02 and KDB 905462 D03.

3. SYSTEM TEST CONFIGURATION

3.1. EUT Exercise Software

The system was configured for testing in a continuous transmits condition and change test channels by software provided by application.

3.2. Special Accessories

N/A

3.3. Block Diagram/Schematics

Please refer to the related document

3.4. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

3.5. Test Setup

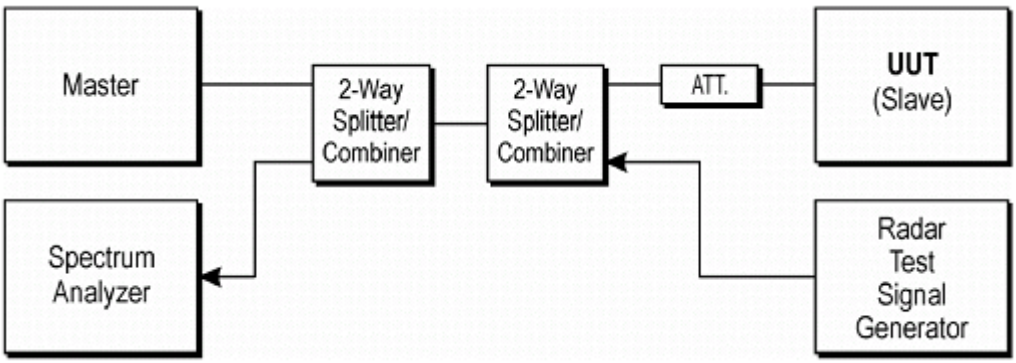


Figure 7-1. Test Setup

3.6. Procedure

The KDB905462 D02 v02 describes a conducted test setup. Each one channel selected between bands 2, band 3 is chosen for the testing.

1. The radar pulse generator is setup to provide a pulse at the frequency that the Master and Client are operating. A Type 0 radar pulse with a 1 μs pulse width and a 1428 μs PRI is used for the testing.
2. The vector signal generator is adjusted to provide the radar burst (18 pulses) at a level of approximately -62 dBm at the antenna of the Master device.
3. The Client Device (EUT) is set up per the diagram in Figure 3-1 and communications between the Master device and the Client is established.
4. The MPEG file specified by the FCC (”6½ Magic Hours”) is streamed from the “file computer” through the Master to the Slave Device and played in full motion video using Media Player Classic Ver.6.4.8.6 in order to properly load the network.

5. The spectrum analyzer is set to record about 15 sec window to any transmissions occurring up to and after 10 sec.
6. The system is again setup and the monitoring time is shortened in order to capture the Channel Closing Transmission Time. This time is measured to insure that the Client ceases transmission within 200 ms and the aggregate of emissions occurring after 200 ms up to 10 sec do not exceed 60 ms.

(Note: the channel may be different since the Master and Client have changed channels due to the detection of the initial radar pulse.)

7. After the initial radar burst the channel is monitored for 30 minutes to insure no transmissions or beacons occur. A second monitoring setup is used to verify that the Master and Client have both moved to different channels.

4. SUMMARY OF TEST RESULTS

Applied Standard: FCC CFR 47 PART 15.407				
Requirement	Operational Mode			RESULTS
	Master	Client with radar detection	Client without radar detection	
Non-Occupancy Period	Required	Required	Not required	Not required
DFS Detection Threshold	Required	Required	Not required	Not required
Channel Availability Check Time	Required	Not required	Not required	Not required
Channel Closing Transmission Time	Required	Required	Required	Pass
Channel Move Time	Required	Required	Required	Pass
U-NII Detection Bandwidth	Required	Required	Not required	Not required

Note:The device belongs to client without radar detection categorys.

5. DESCRIPTION OF DYNAMIC FREQUENCY SELECTION TEST

5.1. Requirements

KDB905462 D02 v02 (04/08/2016) the following are the requirements for Client Devices:

1) A Client Device will not transmit before having received appropriate control signals from a Master Device.

2) A Client Device will stop all its transmissions whenever instructed by a Master Device to which it is associated and will meet the Channel Move Time and Channel Closing Transmission Time requirements.

The Client Device will not resume any transmissions until it has again received control signals from a Master Device.

3) If a Client Device is performing In-Service Monitoring and detects a Radar Waveform above the DFS Detection Threshold, it will inform the Master Device. This is equivalent to the Master Device detecting the Radar Waveform and d) through f) of section 5.1.1(KDB905462 D02 v02) apply.

4) Irrespective of Client Device or Master Device detection the Channel Move Time and Channel Closing Transmission Time requirements remain the same.

5) Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater.

5.2. Limit

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an Aggregate of 60 milliseconds over Remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100 % of the U-NII 99 % transmission power bandwidth. See Note 3.

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

6. DFS DETECTION THRESHOLD VALUES

The DFS detection thresholds are defined for Master devices and Client Devices with In-service monitoring. These detection thresholds are listed in the following table.

Maximum Transmit Power	Value (See Notes 1 and 2)
EIRP≥ 200 milliwatt	-64 dBm
EIRP< 200 milliwatt and Power pectral < 10 dBm/MHz	-62 dBm
EIRP<200 milliwatt that do not meet the power spectral density requirement	-64 dBm

Note 1: This is the level at the input of the receiver assuming a 0dBi receive antenna.

Carlibration:

The EUT is slave equipment with a max gain is 0.65dBi;

For a detection threshold level of -62dBm and the master (Brand: Sanmsung), Model: S2LF812265, antenna gain is 3dBi, required detetion threshold is -59dBm (=-62+3)

Maximum transmit power is less than 200 milliwatt in this report, so detection threshold level is -62dBm.

Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

Note 3: EIRP is based on the highest antenna. For MIMO devices refer to KDB Publication 662911 D01.

7. DFS TEST SIGNALS

As the EUT is a Client Device with no Radar Detection only one type radar pulse is required for the testing. Radar Pulse type 0 was used in the evaluation of the Client device for the purpose of measuring the Channel Move Time and the Channel Closing Transmission Time.

Table 5 – Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a	Roundup $\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{PRI_{\mu sec}}\right)\right\}$	60%	30
		Test B: 15 unique PRI values randomly selected within the range of 518-3066 µsec, with a minimum increment of 1 µsec, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B.

Table 6 – Long Pulse Radar Test Waveform

Radar Type	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Number of Pulses per *Burst*	Number of *Bursts*	Minimum Percentage of Successful Detection	Minimum Number of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse Radar Type waveforms. If more than 30 waveforms are used for the Long Pulse Radar Type

waveforms, then each additional waveform must also be unique and not repeated from the previous waveforms.

Table 7 – Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

Table 5a - Pulse Repetition Intervals Values for Test A

Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)
1	1930.5	518
2	1858.7	538
3	1792.1	558
4	1730.1	578
5	1672.2	598
6	1618.1	618
7	1567.4	638
8	1519.8	658
9	1474.9	678
10	1432.7	698
11	1392.8	718
12	1355	738
13	1319.3	758
14	1285.3	778
15	1253.1	798
16	1222.5	818
17	1193.3	838
18	1165.6	858
19	1139	878
20	1113.6	898
21	1089.3	918
22	1066.1	938
23	326.2	3066

Manufacturer's Statement Regarding Uniform Channel Spreading

The end product implements an automatic channel selection feature at startup such that operation commences on channels distributed across the entire set of allowed 5GHz channels. This feature will ensure uniform spreading is achieved while avoiding non-allowed channels due to prior radar events.

TEST AND MEASUREMENT SYSTEM

System Overview

The measurement system is based on a conducted test method.
The short pulse and long pulse signal generating system utilizes the NTIA software and the same manufacturer / model Vector Signal Generator as the NTIA. The hopping signal generating system utilizes the simulated hopping method.

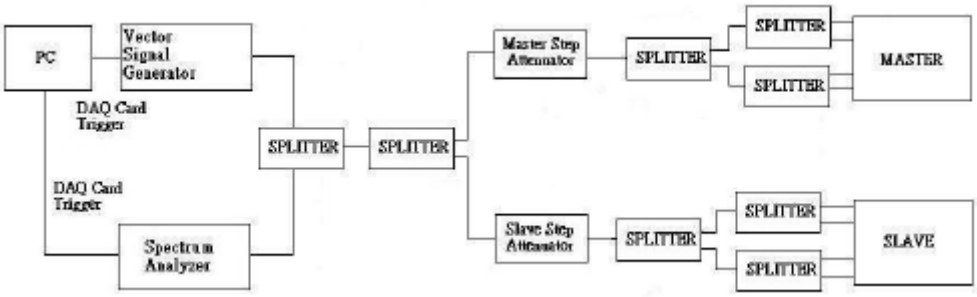
The software selects waveform parameters from within the bounds of the signal type on a random basis using uniform distribution. The short pulse types 2, 3 and 4, and the long pulse type 5 parameters are randomized at run-time. The hopping type 6 pulse parameters are fixed while the hopping sequence is based on the August 2005 NTIA Hopping Frequency List, with the initial starting point randomized at run-time.

The signal monitoring equipment consists of a spectrum analyzer with the capacity to display 8192 bins on the horizontal axis. A time-domain resolution of 2 msec / bin is achievable with a 16 second sweep time, meeting the 10 second short pulse reporting criteria. The aggregate ON time is calculated by multiplying the number of bins above a threshold during a particular observation period by the dwell time per bin, with the analyzer set to peak detection and max hold. A time-domain resolution of 3 msec / bin is achievable with a 24 second sweep time, meeting the 22 second long pulse reporting criteria and allowing a minimum of 10 seconds after the end of the long pulse waveform.

Frequency Hopping Signal Generation

The hopping burst generator is a High Speed Digital I/O card plugged into the control computer. This card utilizes an independent hardware clock reference therefore the output pulse timing is unaffected by host computer operating system latency times.
The software selects the hopping sequence as a 100-length segment of the August 2005 NTIA hopping frequency list. This list contains 274 unique pseudorandom sequences. Each such sequence contains 475 frequencies ordered on a random without replacement basis. Each successive trial uses a contiguous 100-length segment from within each successive 475-length sequence in the list. The initial starting point within the list is randomized at run-time such that the first 100-length segment is entirely contained within the first 475-length sequence. The starting point of each successive trial is incremented by 475.
Each frequency in the 100-length segment is compared to the boundaries of the EUT Detection Bandwidth and the software creates a hopping burst pattern in accordance with Section 7.4.1.3 Method #2 Simulated Frequency Hopping Radar Waveform Generating Subsystem of FCC 06-96 APPENDIX. The frequency of the signal generator is incremented in 1 MHz steps from FL to FH for each successive trial. This incremental sequence is repeated as required to generate a minimum of 30 total trials and to maintain a uniform frequency distribution over the entire Detection Bandwidth.

Conducted Method System Block Diagram



Measurement System Frequency Reference
Lock the signal generator and the spectrum analyzer to the same reference source as follows: Connect the 10 MHz OUT (SWITCHED) on the spectrum analyzer to the 10 MHz IN on the signal generator and set the spectrum analyzer 10 MHz Out to On.

System Calibration
Connect the spectrum analyzer to the test system in place of the master device. Set the signal generator to CW mode. Adjust the amplitude of the signal generator to yield a measured level of –62 dBm on the spectrum analyzer.
Without changing any of the instrument settings, reconnect the spectrum analyzer to the Common port of the Spectrum Analyzer Combiner/Divider and connect a 50 ohm load to the Master Device port of the test system. Measure the amplitude and calculate the difference from –62 dBm. Adjust the Reference Level Offset of the spectrum analyzer to this difference. Confirm that the signal is displayed at –62 dBm. Readjust the RBW and VBW to 3 MHz, set the span to 10 MHz, and confirm that the signal is still displayed at –62 dBm.
The spectrum analyzer displays the level of the signal generator as received at the antenna ports of the Master Device. The interference detection threshold may be varied from the calibrated value of –62 dBm and the spectrum analyzer will still indicate the level as received by the Master Device.

Set the signal generator to produce a radar waveform, trigger a burst manually and measure the level on the spectrum analyzer. Readjust the amplitude of the signal generator as required so that the peak level of the waveform is at a displayed level equal to the required or desired interference detection threshold. Separate signal generator amplitude settings are determined as required for each radar type.

Interference Detection Threshold Adjustment

Download the applicable radar waveforms to the signal generator. Select the radar waveform, trigger a burst manually and measure the amplitude on the spectrum analyzer. Readjust the amplitude of the signal generator as required so that the peak level of the waveform is at a displayed level equal to the required or desired

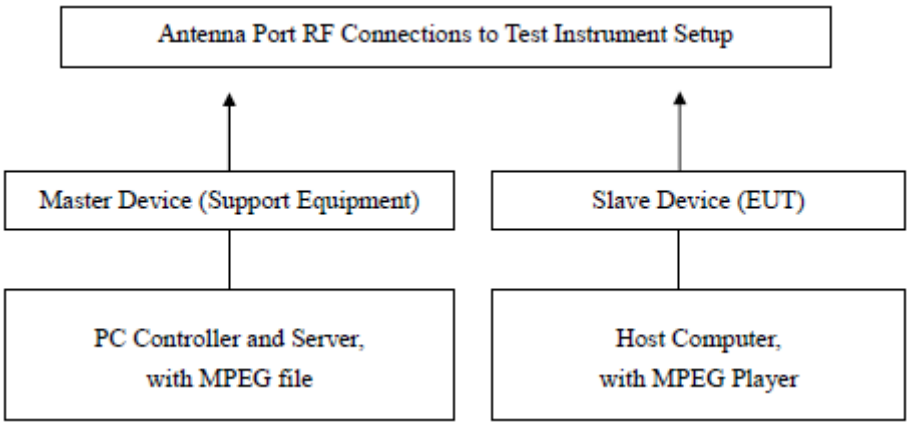
interference detection threshold. Separate signal generator amplitude settings are determined as required for each radar type.

Adjustment Of Displayed Traffic Level

Establish a link between the Master and Slave, adjusting the Link Step Attenuator as needed to provide a suitable received level at the Master and Slave devices. Stream the video test file to generate WLAN traffic. Confirm that the WLAN traffic level, as displayed on the spectrum analyzer, is at lower amplitude than the radar detection threshold. Confirm that the displayed traffic is from the Master Device. For Master Device testing confirm that the displayed traffic does not include Slave Device traffic. For Slave Device testing confirm that the displayed traffic does not include Master Device traffic.

If a different setting of the Master Step Attenuator is required to meet the above conditions, perform a new System Calibration for the new Master Step Attenuator setting.

Test Setup

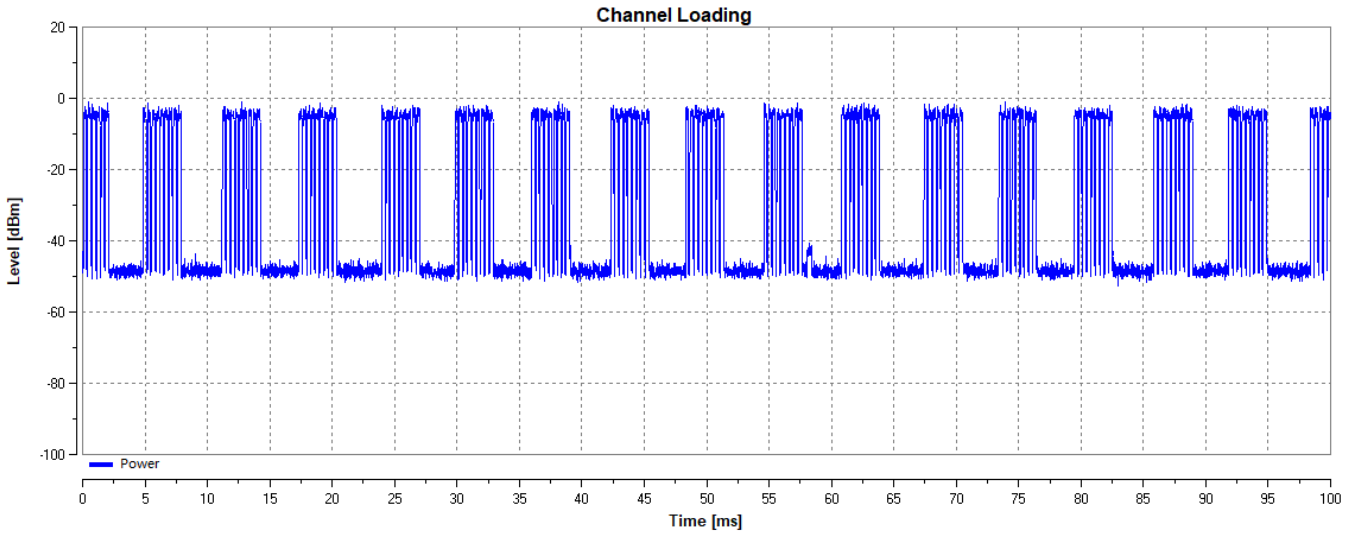


8. TEST RESULT

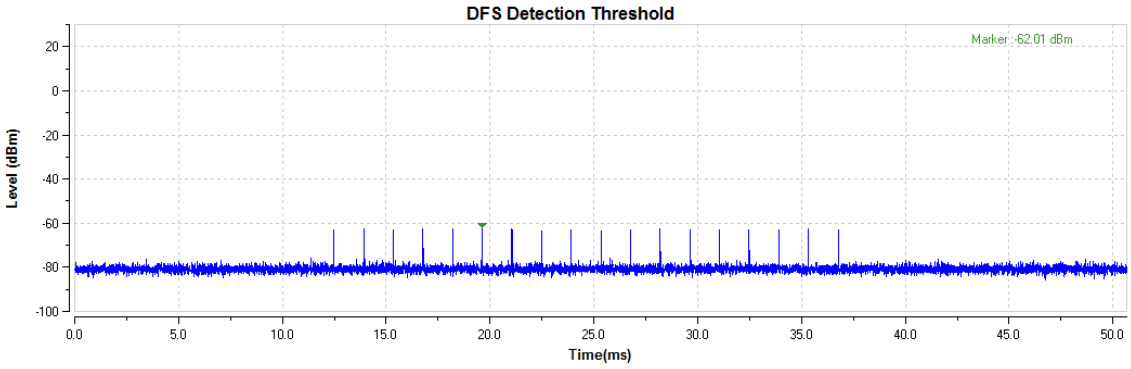
8.1. CHANNEL LOADING

Test Mode	Test Frequency	Packet Ratio	Requirement Ratio	Test resuelt
802.11ac- VHT80	5530	33.04%	≥17%	PASS
Note: System testing was performed with the designated iperf test file. This file is used by IP and Frame based systems for loading the test channel during the In-service compliance testing of the U-NII device. Packet ratio = Time On / (Time On + Off Time).				

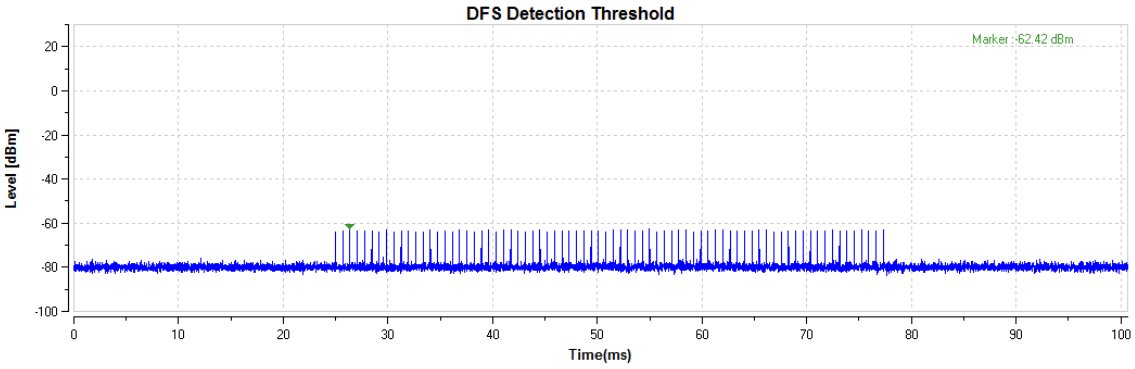
802.11ac-VHT80



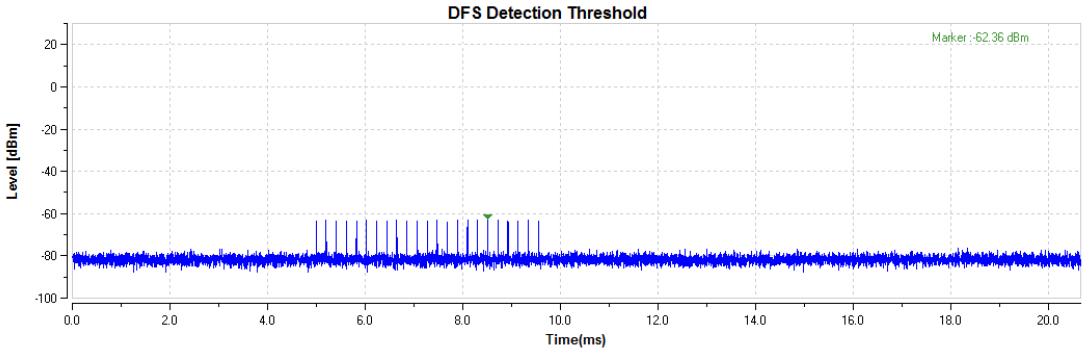
8.2 PLOTS OF RADAR WAVEFORMS



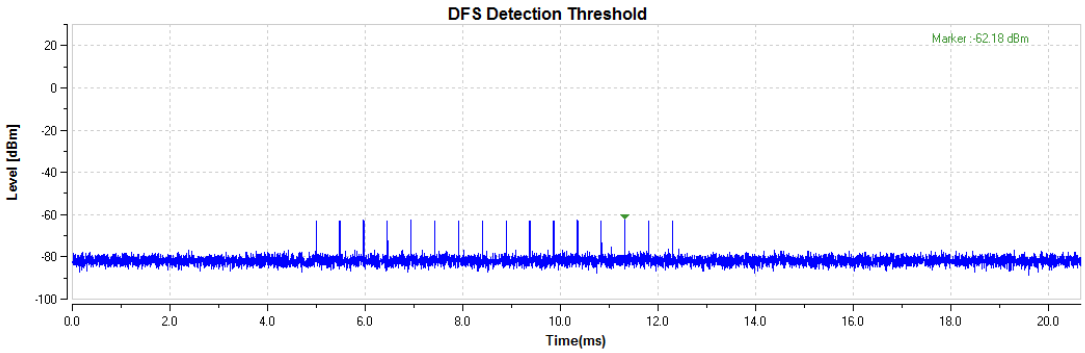
Radar Singal 0



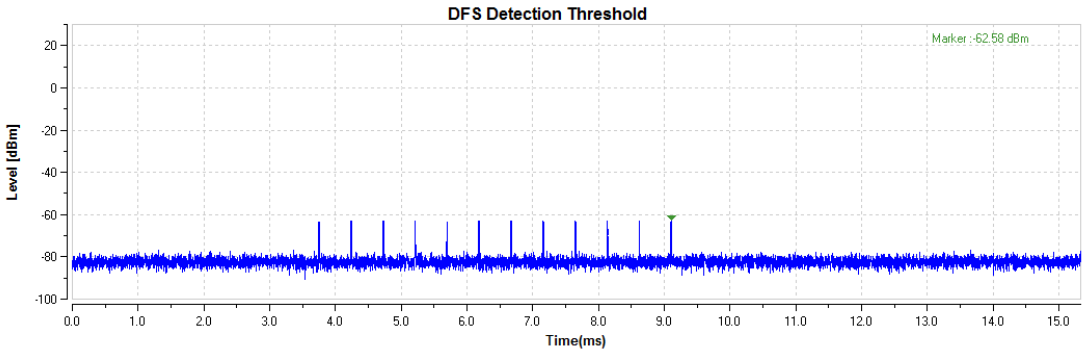
Radar Singal 1



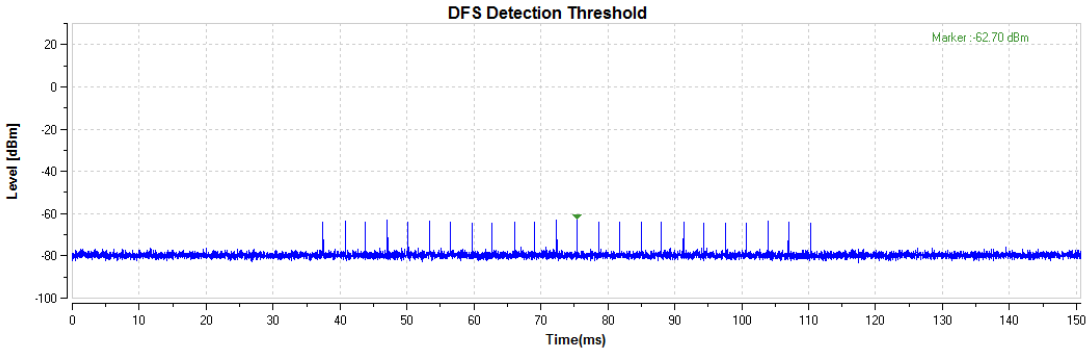
Radar Singal 2



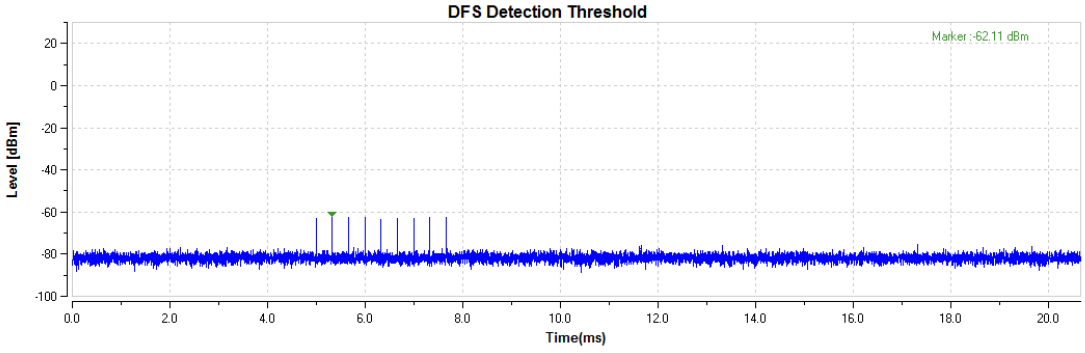
Radar Singal 3



Radar Singal 4



Radar Singal 5



Radar Singal 6

Radar Singal 0

Trial ID	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Legth (us)
0	Type 0	1	1422	18	25703
1	Type 0	1	1422	18	25703
2	Type 0	1	1422	18	25703
3	Type 0	1	1422	18	25703
4	Type 0	1	1422	18	25703
5	Type 0	1	1422	18	25703
6	Type 0	1	1422	18	25703
7	Type 0	1	1422	18	25703
8	Type 0	1	1422	18	25703
9	Type 0	1	1422	18	25703
10	Type 0	1	1422	18	25703
11	Type 0	1	1422	18	25703
12	Type 0	1	1422	18	25703
13	Type 0	1	1422	18	25703
14	Type 0	1	1422	18	25703
15	Type 0	1	1422	18	25703
16	Type 0	1	1422	18	25703
17	Type 0	1	1422	18	25703
18	Type 0	1	1422	18	25703
19	Type 0	1	1422	18	25703
20	Type 0	1	1422	18	25703
21	Type 0	1	1422	18	25703
22	Type 0	1	1422	18	25703
23	Type 0	1	1422	18	25703
24	Type 0	1	1422	18	25703
25	Type 0	1	1422	18	25703
26	Type 0	1	1422	18	25703
27	Type 0	1	1422	18	25703
28	Type 0	1	1422	18	25703
29	Type 0	1	1422	18	25703

Radar Singal 1

Trial ID	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Legth (us)	Pulse Repection Frequency (Pulses Per Second)	Pulse Repection Interval (Microseconds)
0	Type A	1	937	56	53463	1065.5	937.1
1	Type A	1	693	75	53043	1432.8	698.4
2	Type A	1	615	85	53145	1616.4	616.3
3	Type A	1	535	98	53259	1859.4	538.6
4	Type A	1	876	59	53556	1137.5	876.2
5	Type A	1	3062	17	55184	326.6	326.3
6	Type A	1	636	83	52952	1566.6	1566.5
7	Type A	1	913	57	53239	1088.4	1088.6
8	Type A	1	837	62	52793	1194.0	1193.7
9	Type A	1	853	61	53191	1163.9	1163.8
10	Type A	1	798	65	53466	1254.0	1254.1
11	Type A	1	711	73	53125	1390.5	1390.9
12	Type A	1	577	91	53175	1730.2	1730.5
13	Type A	1	593	87	53217	1671.3	1671.3
14	Type A	1	557	94	53009	1791.5	1791.4
15	Type B	1	2533	20	53253		
16	Type B	1	965	54	53129		
17	Type B	1	824	63	52925		
18	Type B	1	2498	21	55019		
19	Type B	1	2589	19	54489		
20	Type B	1	1113	47	53471		
21	Type B	1	1298	40	53377		
22	Type B	1	3046	17	54811		
23	Type B	1	1619	32	53586		
24	Type B	1	2878	18	54683		
25	Type B	1	1020	50	53397		
26	Type B	1	2484	21	54669		
27	Type B	1	1596	32	52797		
28	Type B	1	1170	44	53910		
29	Type B	1	1174	44	52961		

Radar Singal 2

Trial ID	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Legth (us)
0	Type 2	2.6	178	26	4652
1	Type 2	0.5	202	21	4756
2	Type 2	1.2	227	23	5518
3	Type 2	3.8	198	28	5798
4	Type 2	3.2	212	28	5993
5	Type 2	2.2	217	24	5768
6	Type 2	2.7	201	25	5302
7	Type 2	2.1	187	23	4795
8	Type 2	2.7	163	26	4265
9	Type 2	0.6	151	21	3583
10	Type 2	3.0	210	28	5674
11	Type 2	3.7	193	27	5824
12	Type 2	2.3	161	26	4213
13	Type 2	1.6	192	23	4920
14	Type 2	4.2	162	29	4728
15	Type 2	2.7	201	25	5276
16	Type 2	4.7	167	29	4873
17	Type 2	1.8	214	24	5423
18	Type 2	2.0	188	25	4964
19	Type 2	1.3	160	23	4145
20	Type 2	3.0	149	27	4051
21	Type 2	1.5	172	23	4395
22	Type 2	4.8	196	30	5659
23	Type 2	2.5	196	24	5247
24	Type 2	2.1	178	25	4453
25	Type 2	0.6	199	20	4730
26	Type 2	3.1	154	27	4186
27	Type 2	3.7	153	27	4549
28	Type 2	1.8	222	25	5601
29	Type 2	3.6	156	27	4449

Radar Singal 3

Trial ID	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Legth (us)
0	Type 3	7.6	354	16	6034
1	Type 3	6.8	482	14	7788
2	Type 3	5.8	342	15	5502
3	Type 3	9.4	287	18	5182
4	Type 3	7.7	231	18	4141
5	Type 3	8.4	430	16	7340
6	Type 3	7.6	206	16	3518
7	Type 3	7.0	438	15	7526
8	Type 3	8.8	441	17	7464
9	Type 3	4.8	218	14	3563
10	Type 3	7.4	212	19	3748
11	Type 3	8.4	457	16	8329
12	Type 3	8.8	442	17	7498
13	Type 3	6.7	318	14	5163
14	Type 3	9.1	298	18	5347
15	Type 3	8.7	410	16	7002
16	Type 3	8.8	325	18	5833
17	Type 3	8.7	269	16	4605
18	Type 3	6.8	347	16	5931
19	Type 3	8.0	404	14	6539
20	Type 3	8.2	374	18	6715
21	Type 3	6.9	250	15	4060
22	Type 3	10.7	278	19	5936
23	Type 3	6.7	272	15	4720
24	Type 3	9.0	319	17	5390
25	Type 3	4.9	252	13	4152
26	Type 3	9.5	212	18	3799
27	Type 3	9.1	267	17	4893
28	Type 3	7.0	265	17	4489
29	Type 3	9.9	322	16	5110

Radar Singal 4

Trial ID	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Legth (us)
0	Type 4	15.2	353	14	4969
1	Type 4	12.6	482	10	5839
2	Type 4	11.6	343	12	4470
3	Type 4	21.7	287	15	4608
4	Type 4	15.8	231	15	3451
5	Type 4	16.5	428	12	6045
6	Type 4	15.5	205	13	2896
7	Type 4	13.8	438	11	5754
8	Type 4	17.1	440	14	6146
9	Type 4	9.8	218	110	2671
10	Type 4	19.6	212	16	3124
11	Type 4	17.1	457	13	7401
12	Type 4	17.0	442	14	6175
13	Type 4	13.6	318	11	4194
14	Type 4	18.0	298	16	4753
15	Type 4	16.6	410	13	5766
16	Type 4	18.0	325	16	5185
17	Type 4	16.5	269	12	3521
18	Type 4	13.4	347	13	4884
19	Type 4	14.8	404	29	5312
20	Type 4	16.4	374	151	5596
21	Type 4	13.1	249	11	3298
22	Type 4	20.9	278	17	4388
23	Type 4	13.4	271	11	3886
24	Type 4	16.7	318	13	4122
25	Type 4	9.3	252	9	3112
26	Type 4	18.5	212	15	3166
27	Type 4	18.6	267	15	4348
28	Type 4	13.6	265	13	3433
29	Type 4	19.2	280	13	4257

Radar Singal 5_5530MHz

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
0	Type 5	15	0.8	12	5.53	-		
	Burst ID	Pulse Width (us)	PRI (us)	Chirp Width(MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	636185	77.8	13	2	1665	1477	-
	1	32674	51.9	13	1	1074	-	-
	2	226294	63.8	13	1	1584	-	-
	3	417976	96.6	13	3	1682	1786	1843
	4	611152	85.9	13	3	1795	1215	1729
	5	8789	73.7	13	2	1198	1549	-
	6	201917	77.2	13	2	1837	1819	-
	7	395530	68.4	13	2	1587	1114	-
	8	588564	76.7	13	2	2000	1155	-
	9	783794	53.2	13	1	1147	-	-
	10	177933	85.7	13	3	1433	1695	1394
	11	370624	94.3	13	3	1670	1426	1935
	12	564893	77.6	13	2	1294	1671	-
	13	759583	65.7	13	1	1512	-	-
	14	154262	93.5	13	3	1444	1130	1468
1	Type 5	8	1.5	12	5.53			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	653020	75	5	2	1880	1527	-
	1	1015643	99.4	5	3	1401	1262	1257
	2	1379398	67.4	5	2	1531	1403	-
	3	245489	73.6	5	2	1449	1041	-
	4	609113	65.9	5	1	1432	-	-
	5	970852	83.8	5	3	1356	1292	1419
	6	1335913	65.5	5	1	1543	-	-
	7	200406	98.6	5	3	1548	1796	1728

Trial ID	Radar Type	Number of Bursts	Burst Period(s)	Wave from Length (s)	Center Frequency(GHz)	-		
2	Type 5	11	1.090909	12	5.53			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	409565	73.8	9	2	1806	1538	-
	1	673692	69.5	9	2	1117	1649	-
	2	938562	51.9	9	1	1651	-	-
	3	113209	84.6	9	3	1976	1032	1271
	4	376726	95.4	9	3	1060	1903	1388
	5	641212	68	9	2	1368	1351	-
	6	903714	89.6	9	3	1338	1514	1573
	7	80863	81.9	9	2	1022	1689	-
	8	344067	88.3	9	3	1810	1330	1838
	9	609331	53.7	9	1	1597	-	-
	10	871542	91.3	9	3	1961	1106	1001
3	Type 5	20	0.6	12	5.53			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	26541	68.1	19	2	1339	1355	-
	1	171821	58.7	19	1	1251	-	-
	2	316229	75.3	19	2	1136	1640	-
	3	461864	56.4	19	1	1753	-	-
	4	8677	99.7	19	3	1196	1708	1159
	5	153995	57.7	19	1	1013	-	-
	6	299238	59.5	19	1	1072	-	-
	7	443177	80	19	2	1482	1369	-
	8	587671	82	19	2	1993	1197	-
	9	135674	82.8	19	2	1883	1005	-
	10	279928	88	19	3	1061	1928	1101
	11	424279	93.2	19	3	1207	1907	1223
	12	570132	70.4	19	2	1526	1360	-
	13	117439	95.3	19	3	1171	1955	1775
	14	262502	81.9	19	2	1690	1545	-
	15	406573	98.5	19	3	1975	1169	1062
	16	553328	65	19	1	1767	-	-
	17	99799	85.4	19	3	1011	1637	1425
	18	244095	91.6	19	3	1878	1445	1325
	19	390012	67.3	19	2	1091	1218	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
4	Type 5	17	0.705882	12	5.53			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	629614	67.9	16	2	1320	1133	-
	1	96856	62.3	16	1	1957	-	-
	2	267719	53.3	16	1	1592	-	-
	3	436784	90	16	3	1900	1153	1346
	4	608289	77.1	16	2	1166	1646	-
	5	75610	83.9	16	3	1278	1232	1459
	6	245638	89.1	16	3	1240	1384	1939
	7	416355	81.8	16	2	1833	1676	-
	8	588736	50.3	16	1	1075	-	-
	9	54571	87.1	16	3	1116	1996	1756
	10	225175	71.3	16	2	1225	1815	-
	11	394825	97.5	16	3	1884	1465	1132
	12	565361	90.6	16	3	1561	1040	1354
	13	33643	86.3	16	3	1596	1183	1792
	14	203957	97.6	16	3	1365	1073	1361
	15	373812	84.7	16	3	1021	1718	1854
	16	544060	99.7	16	3	1150	1244	1988

5	Type 5	14	0.857143	12	5.53			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	15438	92.9	12	3	1085	1564	1407
	1	222486	67.7	12	2	1744	1747	-
	2	430731	65.8	12	1	1092	-	-
	3	637784	56.3	12	1	1851	-	-
	4	845342	53.7	12	1	1727	-	-
	5	196720	83.5	12	3	1679	1930	1025
	6	404955	65.8	12	1	1519	-	-
	7	610711	85.9	12	3	1134	1034	1808
	8	818057	76.3	12	2	1606	1926	-
	9	171459	81.5	12	2	1891	1714	-
	10	377969	89.4	12	3	1310	1594	1827
	11	586875	63.4	12	1	1568	-	-
	12	792834	69.6	12	2	1307	1925	-
	13	146044	74.5	12	2	1264	1846	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
6	Type 5	15	0.8	12	5.53			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	329022	96.6	13	3	1182	1609	1581
	1	521718	96.7	13	3	1829	1799	1154
	2	714222	86.5	13	3	1923	1396	1865
	3	112450	73.3	13	2	1908	1318	-
	4	306283	55.8	13	1	1688	-	-
	5	500239	55.4	13	1	1145	-	-
	6	690932	85.3	13	3	1336	1504	1820
	7	88645	79.4	13	2	1344	1893	-
	8	282508	65.7	13	1	1476	-	-
	9	475842	68.6	13	2	1008	1028	-
	10	667887	77.7	13	2	1972	1835	-
	11	64845	79.6	13	2	1882	1331	-
	12	257755	94.9	13	3	1830	1070	1349
	13	452335	61.4	13	1	1451	-	-
	14	643395	90.6	13	3	1233	1562	1887
7	Type 5	12	1	12	5.53			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	51446	52.6	10	1	1210	-	-
	1	292696	84.1	10	3	1314	1725	1529
	2	533989	97.7	10	3	1139	1868	1805
	3	775564	97.3	10	3	1341	1446	1755
	4	21542	98.8	10	3	1544	1386	1302
	5	263385	72.2	10	2	1771	1184	-
	6	505581	67.6	10	2	1175	1027	-
	7	747058	75.7	10	2	1026	1871	-
	8	989976	60.9	10	1	1798	-	-
	9	234024	64.2	10	1	1138	-	-
	10	475207	78.8	10	2	1784	1604	-
	11	715825	87.5	10	3	1511	1712	1683

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
8	Type 5	14	0.857143	12	5.53			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	823112	54.1	13	1	1415	-	-
	1	174965	50.7	13	1	1221	-	-
	2	382216	52.3	13	1	1974	-	-
	3	587395	99.8	13	3	1558	1696	1949
	4	796897	68.4	13	2	1014	1099	-
	5	149042	80.8	13	2	1736	1505	-
	6	356750	62.5	13	1	1778	-	-
	7	563824	74.8	13	2	1149	1204	-
	8	772314	50.8	13	1	1049	-	-
	9	123796	54	13	1	1417	-	-
	10	331215	63	13	1	1730	-	-
	11	537402	91.8	13	3	1143	1270	1347
	12	744805	79.3	13	2	1274	1992	-
	13	98172	64.3	13	1	1937	-	-
9	Type 5	8	1.5	12	5.53			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	535615	63.4	6	1	1043	-	-
	1	898668	52	6	1	1863	-	-
	2	1259235	97.2	6	3	1973	1605	1583
	3	127106	78.7	6	2	1466	1743	-
	4	490358	74.2	6	2	1280	1219	-
	5	852409	88.7	6	3	1293	1934	1273
	6	1217152	54.3	6	1	1991	-	-
	7	82296	95.4	6	3	1580	1555	1791

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
10	Type 5	17	0.705882	12	5.4979			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	209249	73.7	16	2	1208	1497	-
	1	378386	97.4	16	3	1942	1754	1613
	2	548411	91.7	16	3	1999	1702	1462
	3	17733	66.2	16	1	1393	-	-
	4	187952	70.8	16	2	1968	1821	-
	5	359277	52.3	16	1	1740	-	-
	6	528886	78.9	16	2	1308	1984	-
	7	700166	70.9	16	2	1050	1358	-
	8	167197	75.6	16	2	1437	1430	-
	9	338262	59.1	16	1	1697	-	-
	10	508324	77	16	2	1397	1304	-
	11	678689	67.9	16	2	1803	1083	-
	12	146031	81.2	16	2	1720	1932	-
	13	316923	78.7	16	2	1247	1121	-
	14	488056	63.3	16	1	1634	-	-
	15	657326	68.9	16	2	1849	1423	-
	16	125509	59.3	16	1	1093	-	-

11	Type 5	19	0.631579	12	5.4991			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	263736	98.9	19	3	1381	1680	1488
	1	416459	82.3	19	2	1716	1855	-
	2	567902	86.7	19	3	1211	1400	1919
	3	92979	89.7	19	3	1861	1068	1282
	4	245155	98.6	19	3	1507	1194	1461
	5	397609	71.1	19	2	1921	1789	-
	6	551431	55.9	19	1	1947	-	-
	7	74413	67.9	19	2	1350	1372	-
	8	226559	84.4	19	3	1203	1107	1443
	9	380056	58.8	19	1	1715	-	-
	10	533408	65.6	19	1	1017	-	-
	11	55547	78.5	19	2	1911	1704	-
	12	207876	82.3	19	2	1845	1686	-
	13	359771	90.1	19	3	1938	1071	1266
	14	511297	90.2	19	3	1989	1089	1950
	15	36803	83.1	19	2	1943	1406	-
	16	189652	58.8	19	1	1742	-	-
	17	341809	77	19	2	1187	1657	-
	18	495737	55	19	1	1012	-	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
12	Type 5	15	0.8	12	5.4967			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	22911	58.1	13	1	1929	-	-
	1	216473	52.1	13	1	1910	-	-
	2	410004	59.9	13	1	1971	-	-
	3	603671	60.2	13	1	1812	-	-
	4	794160	95.9	13	3	1399	1906	1608
	5	192251	79.9	13	2	1626	1859	-
	6	385590	78.5	13	2	1238	1917	-
	7	579862	53.8	13	1	1763	-	-
	8	773423	64.7	13	1	1800	-	-
	9	168898	61.4	13	1	1390	-	-
	10	361606	83.2	13	2	1692	1858	-
	11	553866	84.7	13	3	1533	1677	1638
	12	747241	88.7	13	3	1703	1528	1058
	13	144710	78.3	13	2	1258	1951	-
	14	337856	69.3	13	2	1731	1717	-
13	Type 5	12	1	12	5.4955			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	664275	75.3	10	2	1994	1612	-
	1	907886	56.3	10	1	1456	-	-
	2	151316	67.7	10	2	1617	1185	-
	3	393746	55.6	10	1	1337	-	-
	4	635093	75.2	10	2	1421	1267	-
	5	876993	76.3	10	2	1359	1305	-
	6	121278	85.7	10	3	1547	1362	1924
	7	362696	98.4	10	3	1873	1550	1249
	8	604342	86.4	10	3	1779	1439	1046
	9	846453	93.6	10	3	1059	1031	1452
	10	91871	63.3	10	1	1328	-	-
	11	333050	92.4	10	3	1412	1673	1322

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
14	Type 5	19	0.631579	12	5.4987			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	361323	93.3	18	3	1983	1912	1535
	1	515261	69.1	18	2	1102	1794	-
	2	39025	86.9	18	3	1044	1152	1148
	3	190900	84.9	18	3	1894	1948	1118
	4	343941	72.3	18	2	1094	1916	-
	5	497624	51.7	18	1	1447	-	-
	6	20319	58.3	18	1	1429	-	-
	7	172999	60.8	18	1	1979	-	-
	8	325872	57.1	18	1	1641	-	-
	9	475841	88.9	18	3	1886	1964	1489
	10	1489	72	18	2	1909	1297	-
	11	153647	90.9	18	3	1261	1566	1370
	12	307096	59.8	18	1	1552	-	-
	13	458804	70	18	2	1759	1291	-
	14	610798	67.2	18	2	1625	1881	-
	15	134759	91.2	18	3	1382	1832	1661
	16	288306	56.5	18	1	1483	-	-
	17	441296	51.2	18	1	1237	-	-
	18	592780	74.1	18	2	1471	1245	-

15	Type 5	14	0.857143	12	5.4963			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	158286	76.9	12	2	1110	1140	-
	1	366024	50.2	12	1	1316	-	-
	2	573452	62.9	12	1	1520	-	-
	3	780619	64.7	12	1	1902	-	-
	4	132455	83.8	12	3	1410	1097	1621
	5	340207	65.4	12	1	1944	-	-
	6	548208	53.2	12	1	1024	-	-
	7	755333	51.7	12	1	1603	-	-
	8	107117	78.7	12	2	1804	1168	-
	9	314500	72.4	12	2	1030	1343	-
	10	522447	53.8	12	1	1327	-	-
	11	728517	73.6	12	2	1524	1553	-
	12	81611	66.7	12	2	1722	1122	-
	13	288948	82.5	12	2	1404	1019	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
16	Type 5	20	0.6	12	5.4995			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	345766	87.6	20	3	1565	1055	1840
	1	490019	85.2	20	3	1735	1541	1408
	2	39073	84.8	20	3	1534	1889	1463
	3	183923	77.9	20	2	1749	1460	-
	4	328777	76.5	20	2	1518	1485	-
	5	474728	60.9	20	1	1540	-	-
	6	21394	83	20	2	1080	1010	-
	7	165992	80.4	20	2	1824	1752	-
	8	310973	67.5	20	2	1764	1181	-
	9	456884	62.1	20	1	1495	-	-
	10	3515	86.4	20	3	1773	1966	1263
	11	147928	84.3	20	3	1593	1188	1788
	12	293225	76.9	20	2	1226	1537	-
	13	436922	95.8	20	3	1192	1298	1844
	14	584015	55.2	20	1	1644	-	-
	15	130832	59	20	1	1402	-	-
	16	274684	94.5	20	3	1296	1700	1283
	17	418579	91.9	20	3	1970	1978	1165
	18	563464	85.2	20	3	1732	1551	1189
	19	112787	69.5	20	2	1038	1224	-

17	Type 5	12	1	12	5.4955			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	429224	86.4	10	3	1259	1918	1455
	1	670241	92.2	10	3	1598	1719	1895
	2	912880	80.4	10	2	1816	1899	-
	3	158603	54.3	10	1	1335	-	-
	4	400824	53.1	10	1	1303	-	-
	5	641915	69.4	10	2	1503	1546	-
	6	883823	69.1	10	2	1279	1639	-
	7	128373	100	10	3	1375	1438	1595
	8	370379	79.6	10	2	1239	1705	-
	9	611194	88.4	10	3	1374	1579	1623
	10	855685	53.3	10	1	1016	-	-
	11	98897	65.3	10	1	1709	-	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
18	Type 5	14	0.857143	12	5.4963			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	292143	55.3	12	1	1920	-	-
	1	499633	58.3	12	1	1797	-	-
	2	706377	72.3	12	2	1610	1039	-
	3	58989	84.8	12	3	1131	1761	1721
	4	266161	82.5	12	2	1875	1431	-
	5	474469	63.3	12	1	1095	-	-
	6	680544	80	12	2	1119	1913	-
	7	33519	90.3	12	3	1660	1853	1123
	8	240319	91.1	12	3	1539	1783	1172
	9	447400	96.6	12	3	1525	1036	1385
	10	654516	82.7	12	2	1710	1990	-
	11	8083	50.7	12	1	1234	-	-
	12	215435	78.4	12	2	1047	1109	-
	13	421325	99.5	12	3	1299	1965	1869
19	Type 5	12	1	12	5.4955			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	733725	88.6	10	3	1501	1067	1927
	1	977882	57.4	10	1	1723	-	-
	2	221197	96.6	10	3	1086	1658	1324
	3	462915	69.7	10	2	1751	1945	-
	4	705071	77.9	10	2	1642	1317	-
	5	947923	62	10	1	1866	-	-
	6	191373	88.4	10	3	1997	1077	1366
	7	432561	97.3	10	3	1790	1896	1367
	8	674004	96.2	10	3	1391	1787	1672
	9	915842	95.4	10	3	1020	1892	1414
	10	162176	54.8	10	1	1084	-	-
	11	403553	80.4	10	2	1850	1436	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
20	Type 5	16	0.75	12	5.5625			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	483470	74.7	15	2	1619	1611	-
	1	666072	57.1	15	1	1560	-	-
	2	98810	91.9	15	3	1392	1475	1276
	3	279914	83.1	15	2	1809	1772	-
	4	462536	50.7	15	1	1003	-	-
	5	642324	79.2	15	2	1574	1600	-
	6	76831	58.7	15	1	1186	-	-
	7	257785	71	15	2	1521	1567	-
	8	438554	79	15	2	1777	1960	-
	9	620397	68.5	15	2	1284	1428	-
	10	54310	73.5	15	2	1904	1352	-
	11	235506	70.5	15	2	1864	1115	-
	12	417036	76.6	15	2	1045	1300	-
	13	597974	81.2	15	2	1160	1675	-
	14	32086	61.8	15	1	1277	-	-
	15	212751	94.9	15	3	1450	1206	1860
21	Type 5	12	1	12	5.5649			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	526149	78.5	9	2	1653	1698	-
	1	767135	89.8	9	3	1174	1962	1167
	2	12955	59.4	9	1	1982	-	-
	3	254612	79.6	9	2	1633	1890	-
	4	496588	76	9	2	1112	1811	-
	5	739728	53.6	9	1	1144	-	-
	6	980872	80.9	9	2	1220	1053	-
	7	225249	61.6	9	1	1724	-	-
	8	467279	53.4	9	1	1901	-	-
	9	709720	59.9	9	1	1379	-	-
	10	951847	60.4	9	1	1453	-	-
	11	194839	91.4	9	3	1768	1726	1227

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
22	Type 5	20	0.6	12	5.5605			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	261858	77	20	2	1191	1363	-
	1	407646	58.1	20	1	1248	-	-
	2	552319	62.1	20	1	1836	-	-
	3	99107	76.9	20	2	1334	1236	-
	4	243514	80	20	2	1914	1852	-
	5	389464	52	20	1	1701	-	-
	6	531093	88.6	20	3	1693	1995	1905
	7	81159	72.9	20	2	1922	1387	-
	8	225245	98.5	20	3	1839	1746	1389
	9	371906	57.9	20	1	1193	-	-
	10	514197	95.9	20	3	1659	1870	1066
	11	63561	53.5	20	1	1162	-	-
	12	207510	92	20	3	1745	1654	1458
	13	353638	57.3	20	1	1834	-	-
	14	497515	70.5	20	2	1684	1586	-
	15	45553	70	20	2	1042	1664	-
	16	189821	84	20	3	1765	1630	1176
	17	335330	76.1	20	2	1557	1057	-
	18	478825	93.2	20	3	1985	1018	1340
	19	27594	96.8	20	3	1760	1614	1817

23	Type 5	14	0.857143	12	5.5637			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	247117	50.1	12	1	1841	-	-
	1	453362	93.5	12	3	1590	1081	1413
	2	660875	68.8	12	2	1707	1577	-
	3	14140	56.3	12	1	1056	-	-
	4	220734	86	12	3	1953	1108	1987
	5	428367	75.2	12	2	1572	1536	-
	6	636681	54.4	12	1	1517	-	-
	7	843157	71.1	12	2	1329	1243	-
	8	195585	76.2	12	2	1940	1770	-
	9	403231	80.2	12	2	1098	1209	-
	10	610202	79.7	12	2	1588	1214	-
	11	815229	90.9	12	3	1615	1862	1601
	12	170267	68.7	12	2	1377	1441	-
	13	377306	67.4	12	2	1872	1313	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
24	Type 5	13	0.923077	12	5.5641			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	628071	94	11	3	1643	1748	1941
	1	853391	70.8	11	2	1177	1201	-
	2	156223	56.3	11	1	1006	-	-
	3	378734	96.7	11	3	1230	1163	1332
	4	601331	90.6	11	3	1217	1582	1498
	5	825462	74.5	11	2	1569	1281	-
	6	128265	92.6	11	3	1065	1669	1222
	7	351161	89	11	3	1493	1135	1380
	8	573425	96.5	11	3	1607	1822	1602
	9	798431	70.5	11	2	1141	1178	-
	10	100737	94	11	3	1009	1629	1956
	11	324661	55.8	11	1	1290	-	-
	12	546278	87.7	11	3	1435	1963	1164
25	Type 5	8	1.5	12	5.5665			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	1253842	68.6	5	2	1306	1161	-
	1	119486	83.1	5	2	1420	1315	-
	2	482958	60.9	5	1	1687	-	-
	3	845641	77.7	5	2	1776	1158	-
	4	1208428	77.4	5	2	1793	1510	-
	5	74748	66.8	5	2	1576	1323	-
	6	438300	63.7	5	1	1333	-	-
	7	800152	91.2	5	3	1409	1681	1275

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
26	Type 5	17	0.705882	12	5.5621			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	545865	83.6	16	3	1632	1195	1000
	1	14067	89.4	16	3	1173	1627	1656
	2	184953	55.8	16	1	1532	-	-
	3	353759	90.9	16	3	1981	1554	1998
	4	526388	54.7	16	1	1825	-	-
	5	694806	97.7	16	3	1734	1202	1250
	6	163568	67.5	16	2	1571	1434	-
	7	333410	96.7	16	3	1589	1469	1268
	8	504006	68.3	16	2	1750	1954	-
	9	675297	78.3	16	2	1591	1082	-
	10	142890	55	16	1	1427	-	-
	11	312479	84.9	16	3	1129	1936	1199
	12	482953	74.6	16	2	1959	1856	-
	13	655022	63.3	16	1	1885	-	-
	14	121457	99.8	16	3	1035	1515	1120
	15	292606	63.6	16	1	1647	-	-
	16	461322	87.3	16	3	1931	1051	1831

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
27	Type 5	19	0.631579	12	5.5609			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	565136	85.6	19	3	1946	1078	1015
	1	89970	68.6	19	2	1029	1780	-
	2	243121	54.2	19	1	1111	-	-
	3	396034	61.2	19	1	1104	-	-
	4	546225	97.1	19	3	1157	1969	1100
	5	70998	98.3	19	3	1142	1699	1622
	6	224093	62.4	19	1	1655	-	-
	7	376127	80.2	19	2	1126	1769	-
	8	527806	87.5	19	3	1216	1448	1179
	9	52247	85.8	19	3	1847	1348	1472
	10	204582	88.1	19	3	1023	1124	1631
	11	357941	65.3	19	1	1848	-	-
	12	510977	52.5	19	1	1470	-	-
	13	33698	52.3	19	1	1312	-	-
	14	186023	74.1	19	2	1915	1200	-
	15	339327	54.9	19	1	1479	-	-
	16	491053	76.2	19	2	1376	1502	-
	17	14858	60.4	19	1	1758	-	-
	18	167387	81.5	19	2	1491	1103	-

28	Type 5	12	1	12	5.5645			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	507709	50.5	10	1	1857	-	-
	1	750249	55.7	10	1	1246	-	-
	2	989003	85.8	10	3	1774	1002	1967
	3	235634	76.9	10	2	1125	1474	-
	4	477675	75.1	10	2	1254	1052	-
	5	718312	92.3	10	3	1180	1486	1492
	6	960895	78.1	10	2	1301	1757	-
	7	205370	92.2	10	3	1898	1252	1713
	8	446940	89	10	3	1260	1706	1411
	9	689225	70.9	10	2	1578	1620	-
	10	932305	63.1	10	1	1782	-	-
	11	176231	55.3	10	1	1522	-	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
29	Type 5	18	0.666667	12	5.5617			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	277485	83.4	17	3	1454	1205	1801
	1	437880	97.3	17	3	1319	1826	1635
	2	598445	90.4	17	3	1079	1986	1674
	3	97088	91.8	17	3	1563	1151	1802
	4	257251	98.2	17	3	1876	1977	1766
	5	419893	59.5	17	1	1952	-	-
	6	580724	80	17	2	1253	1137	-
	7	77366	86.5	17	3	1054	1128	1828
	8	238032	91.1	17	3	1105	1599	1442
	9	398605	93.5	17	3	1867	1373	1087
	10	562025	60.7	17	1	1033	-	-
	11	57684	67.2	17	2	1288	1405	-
	12	219083	61.8	17	1	1585	-	-
	13	379234	79.4	17	2	1933	1667	-
	14	540896	81.4	17	2	1096	1464	-
	15	37916	65.7	17	1	1496	-	-
	16	198794	76	17	2	1733	1255	-
	17	359754	81	17	2	1326	1668	-

Radar Singal 5_5540MHz

Trial ID	Radar Type	Number of Bursts	Burst Periedl(s)	Wave from Length (s)	Center Frequency(GHz)	-		
0	Type 5	15	0.8	12	5.54			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	636185	77.8	13	2	1665	1477	-
	1	32674	51.9	13	1	1074	-	-
	2	226294	63.8	13	1	1584	-	-
	3	417976	96.6	13	3	1682	1786	1843
	4	611152	85.9	13	3	1795	1215	1729
	5	8789	73.7	13	2	1198	1549	-
	6	201917	77.2	13	2	1837	1819	-
	7	395530	68.4	13	2	1587	1114	-
	8	588564	76.7	13	2	2000	1155	-
	9	783794	53.2	13	1	1147	-	-
	10	177933	85.7	13	3	1433	1695	1394
	11	370624	94.3	13	3	1670	1426	1935
	12	564893	77.6	13	2	1294	1671	-
	13	759583	65.7	13	1	1512	-	-
	14	154262	93.5	13	3	1444	1130	1468
1	Type 5	8	1.5	12	5.54			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	653020	75	5	2	1880	1527	-
	1	1015643	99.4	5	3	1401	1262	1257
	2	1379398	67.4	5	2	1531	1403	-
	3	245489	73.6	5	2	1449	1041	-
	4	609113	65.9	5	1	1432	-	-
	5	970852	83.8	5	3	1356	1292	1419
	6	1335913	65.5	5	1	1543	-	-
	7	200406	98.6	5	3	1548	1796	1728

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
2	Type 5	11	1.090909	12	5.54			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	409565	73.8	9	2	1806	1538	-
	1	673692	69.5	9	2	1117	1649	-
	2	938562	51.9	9	1	1651	-	-
	3	113209	84.6	9	3	1976	1032	1271
	4	376726	95.4	9	3	1060	1903	1388
	5	641212	68	9	2	1368	1351	-
	6	903714	89.6	9	3	1338	1514	1573
	7	80863	81.9	9	2	1022	1689	-
	8	344067	88.3	9	3	1810	1330	1838
	9	609331	53.7	9	1	1597	-	-
	10	871542	91.3	9	3	1961	1106	1001
3	Type 5	20	0.6	12	5.54			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	26541	68.1	19	2	1339	1355	-
	1	171821	58.7	19	1	1251	-	-
	2	316229	75.3	19	2	1136	1640	-
	3	461864	56.4	19	1	1753	-	-
	4	8677	99.7	19	3	1196	1708	1159
	5	153995	57.7	19	1	1013	-	-
	6	299238	59.5	19	1	1072	-	-
	7	443177	80	19	2	1482	1369	-
	8	587671	82	19	2	1993	1197	-
	9	135674	82.8	19	2	1883	1005	-
	10	279928	88	19	3	1061	1928	1101
	11	424279	93.2	19	3	1207	1907	1223
	12	570132	70.4	19	2	1526	1360	-
	13	117439	95.3	19	3	1171	1955	1775
	14	262502	81.9	19	2	1690	1545	-
	15	406573	98.5	19	3	1975	1169	1062
	16	553328	65	19	1	1767	-	-
	17	99799	85.4	19	3	1011	1637	1425
	18	244095	91.6	19	3	1878	1445	1325
	19	390012	67.3	19	2	1091	1218	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
4	Type 5	17	0.705882	12	5.54			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	629614	67.9	16	2	1320	1133	-
	1	96856	62.3	16	1	1957	-	-
	2	267719	53.3	16	1	1592	-	-
	3	436784	90	16	3	1900	1153	1346
	4	608289	77.1	16	2	1166	1646	-
	5	75610	83.9	16	3	1278	1232	1459
	6	245638	89.1	16	3	1240	1384	1939
	7	416355	81.8	16	2	1833	1676	-
	8	588736	50.3	16	1	1075	-	-
	9	54571	87.1	16	3	1116	1996	1756
	10	225175	71.3	16	2	1225	1815	-
	11	394825	97.5	16	3	1884	1465	1132
	12	565361	90.6	16	3	1561	1040	1354
	13	33643	86.3	16	3	1596	1183	1792
	14	203957	97.6	16	3	1365	1073	1361
	15	373812	84.7	16	3	1021	1718	1854
	16	544060	99.7	16	3	1150	1244	1988

5	Type 5	14	0.857143	12	5.54			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	15438	92.9	12	3	1085	1564	1407
	1	222486	67.7	12	2	1744	1747	-
	2	430731	65.8	12	1	1092	-	-
	3	637784	56.3	12	1	1851	-	-
	4	845342	53.7	12	1	1727	-	-
	5	196720	83.5	12	3	1679	1930	1025
	6	404955	65.8	12	1	1519	-	-
	7	610711	85.9	12	3	1134	1034	1808
	8	818057	76.3	12	2	1606	1926	-
	9	171459	81.5	12	2	1891	1714	-
	10	377969	89.4	12	3	1310	1594	1827
	11	586875	63.4	12	1	1568	-	-
	12	792834	69.6	12	2	1307	1925	-
	13	146044	74.5	12	2	1264	1846	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
6	Type 5	15	0.8	12	5.54			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	329022	96.6	13	3	1182	1609	1581
	1	521718	96.7	13	3	1829	1799	1154
	2	714222	86.5	13	3	1923	1396	1865
	3	112450	73.3	13	2	1908	1318	-
	4	306283	55.8	13	1	1688	-	-
	5	500239	55.4	13	1	1145	-	-
	6	690932	85.3	13	3	1336	1504	1820
	7	88645	79.4	13	2	1344	1893	-
	8	282508	65.7	13	1	1476	-	-
	9	475842	68.6	13	2	1008	1028	-
	10	667887	77.7	13	2	1972	1835	-
	11	64845	79.6	13	2	1882	1331	-
	12	257755	94.9	13	3	1830	1070	1349
	13	452335	61.4	13	1	1451	-	-
	14	643395	90.6	13	3	1233	1562	1887
7	Type 5	12	1	12	5.54			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	51446	52.6	10	1	1210	-	-
	1	292696	84.1	10	3	1314	1725	1529
	2	533989	97.7	10	3	1139	1868	1805
	3	775564	97.3	10	3	1341	1446	1755
	4	21542	98.8	10	3	1544	1386	1302
	5	263385	72.2	10	2	1771	1184	-
	6	505581	67.6	10	2	1175	1027	-
	7	747058	75.7	10	2	1026	1871	-
	8	989976	60.9	10	1	1798	-	-
	9	234024	64.2	10	1	1138	-	-
	10	475207	78.8	10	2	1784	1604	-
	11	715825	87.5	10	3	1511	1712	1683

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
8	Type 5	14	0.857143	12	5.54			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	823112	54.1	13	1	1415	-	-
	1	174965	50.7	13	1	1221	-	-
	2	382216	52.3	13	1	1974	-	-
	3	587395	99.8	13	3	1558	1696	1949
	4	796897	68.4	13	2	1014	1099	-
	5	149042	80.8	13	2	1736	1505	-
	6	356750	62.5	13	1	1778	-	-
	7	563824	74.8	13	2	1149	1204	-
	8	772314	50.8	13	1	1049	-	-
	9	123796	54	13	1	1417	-	-
	10	331215	63	13	1	1730	-	-
	11	537402	91.8	13	3	1143	1270	1347
	12	744805	79.3	13	2	1274	1992	-
	13	98172	64.3	13	1	1937	-	-
9	Type 5	8	1.5	12	5.54			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	535615	63.4	6	1	1043	-	-
	1	898668	52	6	1	1863	-	-
	2	1259235	97.2	6	3	1973	1605	1583
	3	127106	78.7	6	2	1466	1743	-
	4	490358	74.2	6	2	1280	1219	-
	5	852409	88.7	6	3	1293	1934	1273
	6	1217152	54.3	6	1	1991	-	-
	7	82296	95.4	6	3	1580	1555	1791

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
10	Type 5	17	0.705882	12	5.5369			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	209249	73.7	16	2	1208	1497	-
	1	378386	97.4	16	3	1942	1754	1613
	2	548411	91.7	16	3	1999	1702	1462
	3	17733	66.2	16	1	1393	-	-
	4	187952	70.8	16	2	1968	1821	-
	5	359277	52.3	16	1	1740	-	-
	6	528886	78.9	16	2	1308	1984	-
	7	700166	70.9	16	2	1050	1358	-
	8	167197	75.6	16	2	1437	1430	-
	9	338262	59.1	16	1	1697	-	-
	10	508324	77	16	2	1397	1304	-
	11	678689	67.9	16	2	1803	1083	-
	12	146031	81.2	16	2	1720	1932	-
	13	316923	78.7	16	2	1247	1121	-
	14	488056	63.3	16	1	1634	-	-
	15	657326	68.9	16	2	1849	1423	-
	16	125509	59.3	16	1	1093	-	-

11	Type 5	19	0.631579	12	5.5381			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	263736	98.9	19	3	1381	1680	1488
	1	416459	82.3	19	2	1716	1855	-
	2	567902	86.7	19	3	1211	1400	1919
	3	92979	89.7	19	3	1861	1068	1282
	4	245155	98.6	19	3	1507	1194	1461
	5	397609	71.1	19	2	1921	1789	-
	6	551431	55.9	19	1	1947	-	-
	7	74413	67.9	19	2	1350	1372	-
	8	226559	84.4	19	3	1203	1107	1443
	9	380056	58.8	19	1	1715	-	-
	10	533408	65.6	19	1	1017	-	-
	11	55547	78.5	19	2	1911	1704	-
	12	207876	82.3	19	2	1845	1686	-
	13	359771	90.1	19	3	1938	1071	1266
	14	511297	90.2	19	3	1989	1089	1950
	15	36803	83.1	19	2	1943	1406	-
	16	189652	58.8	19	1	1742	-	-
	17	341809	77	19	2	1187	1657	-
	18	495737	55	19	1	1012	-	-

Trial ID	Radar Type	Number of Bursts	Burst Period(s)	Wave from Length (s)	Center Frequency(GHz)	-		
12	Type 5	15	0.8	12	5.5357			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	22911	58.1	13	1	1929	-	-
	1	216473	52.1	13	1	1910	-	-
	2	410004	59.9	13	1	1971	-	-
	3	603671	60.2	13	1	1812	-	-
	4	794160	95.9	13	3	1399	1906	1608
	5	192251	79.9	13	2	1626	1859	-
	6	385590	78.5	13	2	1238	1917	-
	7	579862	53.8	13	1	1763	-	-
	8	773423	64.7	13	1	1800	-	-
	9	168898	61.4	13	1	1390	-	-
	10	361606	83.2	13	2	1692	1858	-
	11	553866	84.7	13	3	1533	1677	1638
	12	747241	88.7	13	3	1703	1528	1058
	13	144710	78.3	13	2	1258	1951	-
	14	337856	69.3	13	2	1731	1717	-
13	Type 5	12	1	12	5.5345			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	664275	75.3	10	2	1994	1612	-
	1	907886	56.3	10	1	1456	-	-
	2	151316	67.7	10	2	1617	1185	-
	3	393746	55.6	10	1	1337	-	-
	4	635093	75.2	10	2	1421	1267	-
	5	876993	76.3	10	2	1359	1305	-
	6	121278	85.7	10	3	1547	1362	1924
	7	362696	98.4	10	3	1873	1550	1249
	8	604342	86.4	10	3	1779	1439	1046
	9	846453	93.6	10	3	1059	1031	1452
	10	91871	63.3	10	1	1328	-	-
	11	333050	92.4	10	3	1412	1673	1322

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
14	Type 5	19	0.631579	12	5.5377			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	361323	93.3	18	3	1983	1912	1535
	1	515261	69.1	18	2	1102	1794	-
	2	39025	86.9	18	3	1044	1152	1148
	3	190900	84.9	18	3	1894	1948	1118
	4	343941	72.3	18	2	1094	1916	-
	5	497624	51.7	18	1	1447	-	-
	6	20319	58.3	18	1	1429	-	-
	7	172999	60.8	18	1	1979	-	-
	8	325872	57.1	18	1	1641	-	-
	9	475841	88.9	18	3	1886	1964	1489
	10	1489	72	18	2	1909	1297	-
	11	153647	90.9	18	3	1261	1566	1370
	12	307096	59.8	18	1	1552	-	-
	13	458804	70	18	2	1759	1291	-
	14	610798	67.2	18	2	1625	1881	-
	15	134759	91.2	18	3	1382	1832	1661
	16	288306	56.5	18	1	1483	-	-
	17	441296	51.2	18	1	1237	-	-
	18	592780	74.1	18	2	1471	1245	-

15	Type 5	14	0.857143	12	5.5353			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	158286	76.9	12	2	1110	1140	-
	1	366024	50.2	12	1	1316	-	-
	2	573452	62.9	12	1	1520	-	-
	3	780619	64.7	12	1	1902	-	-
	4	132455	83.8	12	3	1410	1097	1621
	5	340207	65.4	12	1	1944	-	-
	6	548208	53.2	12	1	1024	-	-
	7	755333	51.7	12	1	1603	-	-
	8	107117	78.7	12	2	1804	1168	-
	9	314500	72.4	12	2	1030	1343	-
	10	522447	53.8	12	1	1327	-	-
	11	728517	73.6	12	2	1524	1553	-
	12	81611	66.7	12	2	1722	1122	-
	13	288948	82.5	12	2	1404	1019	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
16	Type 5	20	0.6	12	5.5385			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	345766	87.6	20	3	1565	1055	1840
	1	490019	85.2	20	3	1735	1541	1408
	2	39073	84.8	20	3	1534	1889	1463
	3	183923	77.9	20	2	1749	1460	-
	4	328777	76.5	20	2	1518	1485	-
	5	474728	60.9	20	1	1540	-	-
	6	21394	83	20	2	1080	1010	-
	7	165992	80.4	20	2	1824	1752	-
	8	310973	67.5	20	2	1764	1181	-
	9	456884	62.1	20	1	1495	-	-
	10	3515	86.4	20	3	1773	1966	1263
	11	147928	84.3	20	3	1593	1188	1788
	12	293225	76.9	20	2	1226	1537	-
	13	436922	95.8	20	3	1192	1298	1844
	14	584015	55.2	20	1	1644	-	-
	15	130832	59	20	1	1402	-	-
	16	274684	94.5	20	3	1296	1700	1283
	17	418579	91.9	20	3	1970	1978	1165
	18	563464	85.2	20	3	1732	1551	1189
	19	112787	69.5	20	2	1038	1224	-

17	Type 5	12	1	12	5.5345			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	429224	86.4	10	3	1259	1918	1455
	1	670241	92.2	10	3	1598	1719	1895
	2	912880	80.4	10	2	1816	1899	-
	3	158603	54.3	10	1	1335	-	-
	4	400824	53.1	10	1	1303	-	-
	5	641915	69.4	10	2	1503	1546	-
	6	883823	69.1	10	2	1279	1639	-
	7	128373	100	10	3	1375	1438	1595
	8	370379	79.6	10	2	1239	1705	-
	9	611194	88.4	10	3	1374	1579	1623
	10	855665	53.3	10	1	1016	-	-
	11	98897	65.3	10	1	1709	-	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
18	Type 5	14	0.857143	12	5.5353			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	292143	55.3	12	1	1920	-	-
	1	499633	58.3	12	1	1797	-	-
	2	706377	72.3	12	2	1610	1039	-
	3	58989	84.8	12	3	1131	1761	1721
	4	266161	82.5	12	2	1875	1431	-
	5	474469	63.3	12	1	1095	-	-
	6	680544	80	12	2	1119	1913	-
	7	33519	90.3	12	3	1660	1853	1123
	8	240319	91.1	12	3	1539	1783	1172
	9	447400	96.6	12	3	1525	1036	1385
	10	654516	82.7	12	2	1710	1990	-
	11	8083	50.7	12	1	1234	-	-
	12	215435	78.4	12	2	1047	1109	-
	13	421325	99.5	12	3	1299	1965	1869
19	Type 5	12	1	12	5.5345			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	733725	88.6	10	3	1501	1067	1927
	1	977882	57.4	10	1	1723	-	-
	2	221197	96.6	10	3	1086	1658	1324
	3	462915	69.7	10	2	1751	1945	-
	4	705071	77.9	10	2	1642	1317	-
	5	947923	62	10	1	1866	-	-
	6	191373	88.4	10	3	1997	1077	1366
	7	432561	97.3	10	3	1790	1896	1367
	8	674004	96.2	10	3	1391	1787	1672
	9	915842	95.4	10	3	1020	1892	1414
	10	162176	54.8	10	1	1084	-	-
	11	403553	80.4	10	2	1850	1436	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
20	Type 5	16	0.75	12	5.5435			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	483470	74.7	15	2	1619	1611	-
	1	666072	57.1	15	1	1560	-	-
	2	98810	91.9	15	3	1392	1475	1276
	3	279914	83.1	15	2	1809	1772	-
	4	462536	50.7	15	1	1003	-	-
	5	642324	79.2	15	2	1574	1600	-
	6	76831	58.7	15	1	1186	-	-
	7	257785	71	15	2	1521	1567	-
	8	438554	79	15	2	1777	1960	-
	9	620397	68.5	15	2	1284	1428	-
	10	54310	73.5	15	2	1904	1352	-
	11	235506	70.5	15	2	1864	1115	-
	12	417036	76.6	15	2	1045	1300	-
	13	597974	81.2	15	2	1160	1675	-
	14	32086	61.8	15	1	1277	-	-
	15	212751	94.9	15	3	1450	1206	1860
21	Type 5	12	1	12	5.5459			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	526149	78.5	9	2	1653	1698	-
	1	767135	89.8	9	3	1174	1962	1167
	2	12955	59.4	9	1	1982	-	-
	3	254612	79.6	9	2	1633	1890	-
	4	496588	76	9	2	1112	1811	-
	5	739728	53.6	9	1	1144	-	-
	6	980872	80.9	9	2	1220	1053	-
	7	225249	61.6	9	1	1724	-	-
	8	467279	53.4	9	1	1901	-	-
	9	709720	59.9	9	1	1379	-	-
	10	951847	60.4	9	1	1453	-	-
	11	194839	91.4	9	3	1768	1726	1227

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
22	Type 5	20	0.6	12	5.5415			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	261858	77	20	2	1191	1363	-
	1	407646	58.1	20	1	1248	-	-
	2	552319	62.1	20	1	1836	-	-
	3	99107	76.9	20	2	1334	1236	-
	4	243514	80	20	2	1914	1852	-
	5	389464	52	20	1	1701	-	-
	6	531093	88.6	20	3	1693	1995	1905
	7	81159	72.9	20	2	1922	1387	-
	8	225245	98.5	20	3	1839	1746	1389
	9	371906	57.9	20	1	1193	-	-
	10	514197	95.9	20	3	1659	1870	1066
	11	63561	53.5	20	1	1162	-	-
	12	207510	92	20	3	1745	1654	1458
	13	353638	57.3	20	1	1834	-	-
	14	497515	70.5	20	2	1684	1586	-
	15	45553	70	20	2	1042	1664	-
	16	189821	84	20	3	1765	1630	1176
	17	335330	76.1	20	2	1557	1057	-
	18	478825	93.2	20	3	1985	1018	1340
	19	27594	96.8	20	3	1760	1614	1817

23	Type 5	14	0.857143	12	5.5447			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	247117	50.1	12	1	1841	-	-
	1	453362	93.5	12	3	1590	1081	1413
	2	660875	68.8	12	2	1707	1577	-
	3	14140	56.3	12	1	1056	-	-
	4	220734	86	12	3	1953	1108	1987
	5	428367	75.2	12	2	1572	1536	-
	6	636681	54.4	12	1	1517	-	-
	7	843157	71.1	12	2	1329	1243	-
	8	195585	76.2	12	2	1940	1770	-
	9	403231	80.2	12	2	1098	1209	-
	10	610202	79.7	12	2	1588	1214	-
	11	815229	90.9	12	3	1615	1862	1601
	12	170267	68.7	12	2	1377	1441	-
	13	377306	67.4	12	2	1872	1313	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
24	Type 5	13	0.923077	12	5.5451			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	628071	94	11	3	1643	1748	1941
	1	853391	70.8	11	2	1177	1201	-
	2	156223	56.3	11	1	1006	-	-
	3	378734	96.7	11	3	1230	1163	1332
	4	601331	90.6	11	3	1217	1582	1498
	5	825462	74.5	11	2	1569	1281	-
	6	128265	92.6	11	3	1065	1669	1222
	7	351161	89	11	3	1493	1135	1380
	8	573425	96.5	11	3	1607	1822	1602
	9	798431	70.5	11	2	1141	1178	-
	10	100737	94	11	3	1009	1629	1956
	11	324661	55.8	11	1	1290	-	-
	12	546278	87.7	11	3	1435	1963	1164
25	Type 5	8	1.5	12	5.5475			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	1253842	68.6	5	2	1306	1161	-
	1	119486	83.1	5	2	1420	1315	-
	2	482958	60.9	5	1	1687	-	-
	3	845641	77.7	5	2	1776	1158	-
	4	1208428	77.4	5	2	1793	1510	-
	5	74748	66.8	5	2	1576	1323	-
	6	438300	63.7	5	1	1333	-	-
	7	800152	91.2	5	3	1409	1681	1275

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
26	Type 5	17	0.705882	12	5.5431			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	545865	83.6	16	3	1632	1195	1000
	1	14067	89.4	16	3	1173	1627	1656
	2	184953	55.8	16	1	1532	-	-
	3	353759	90.9	16	3	1981	1554	1998
	4	526388	54.7	16	1	1825	-	-
	5	694806	97.7	16	3	1734	1202	1250
	6	163568	67.5	16	2	1571	1434	-
	7	333410	96.7	16	3	1589	1469	1268
	8	504006	68.3	16	2	1750	1954	-
	9	675297	78.3	16	2	1591	1082	-
	10	142890	55	16	1	1427	-	-
	11	312479	84.9	16	3	1129	1936	1199
	12	482953	74.6	16	2	1959	1856	-
	13	655022	63.3	16	1	1885	-	-
	14	121457	99.8	16	3	1035	1515	1120
	15	292606	63.6	16	1	1647	-	-
	16	461322	87.3	16	3	1931	1051	1831

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
27	Type 5	19	0.631579	12	5.5419			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	565136	85.6	19	3	1946	1078	1015
	1	89970	68.6	19	2	1029	1780	-
	2	243121	54.2	19	1	1111	-	-
	3	396034	61.2	19	1	1104	-	-
	4	546225	97.1	19	3	1157	1969	1100
	5	70998	98.3	19	3	1142	1699	1622
	6	224093	62.4	19	1	1655	-	-
	7	376127	80.2	19	2	1126	1769	-
	8	527806	87.5	19	3	1216	1448	1179
	9	52247	85.8	19	3	1847	1348	1472
	10	204582	88.1	19	3	1023	1124	1631
	11	357941	65.3	19	1	1848	-	-
	12	510977	52.5	19	1	1470	-	-
	13	33698	52.3	19	1	1312	-	-
	14	186023	74.1	19	2	1915	1200	-
	15	339327	54.9	19	1	1479	-	-
	16	491053	76.2	19	2	1376	1502	-
	17	14858	60.4	19	1	1758	-	-
	18	167387	81.5	19	2	1491	1103	-

28	Type 5	12	1	12	5.5455			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	507709	50.5	10	1	1857	-	-
	1	750249	55.7	10	1	1246	-	-
	2	989003	85.8	10	3	1774	1002	1967
	3	235634	76.9	10	2	1125	1474	-
	4	477675	75.1	10	2	1254	1052	-
	5	718312	92.3	10	3	1180	1486	1492
	6	960895	78.1	10	2	1301	1757	-
	7	205370	92.2	10	3	1898	1252	1713
	8	446940	89	10	3	1260	1706	1411
	9	689225	70.9	10	2	1578	1620	-
	10	932305	63.1	10	1	1782	-	-
	11	176231	55.3	10	1	1522	-	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
29	Type 5	18	0.666667	12	5.5427			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	277485	83.4	17	3	1454	1205	1801
	1	437880	97.3	17	3	1319	1826	1635
	2	598445	90.4	17	3	1079	1986	1674
	3	97088	91.8	17	3	1563	1151	1802
	4	257251	98.2	17	3	1876	1977	1766
	5	419893	59.5	17	1	1952	-	-
	6	580724	80	17	2	1253	1137	-
	7	77366	86.5	17	3	1054	1128	1828
	8	238032	91.1	17	3	1105	1599	1442
	9	398605	93.5	17	3	1867	1373	1087
	10	562025	60.7	17	1	1033	-	-
	11	57684	67.2	17	2	1288	1405	-
	12	219083	61.8	17	1	1585	-	-
	13	379234	79.4	17	2	1933	1667	-
	14	540896	81.4	17	2	1096	1464	-
	15	37916	65.7	17	1	1496	-	-
	16	198794	76	17	2	1733	1255	-
	17	359754	81	17	2	1326	1668	-

Radar Singal 5_5550MHz

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
0	Type 5	15	0.8	12	5.55			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	636185	77.8	13	2	1665	1477	-
	1	32674	51.9	13	1	1074	-	-
	2	226294	63.8	13	1	1584	-	-
	3	417976	96.6	13	3	1682	1786	1843
	4	611152	85.9	13	3	1795	1215	1729
	5	8789	73.7	13	2	1198	1549	-
	6	201917	77.2	13	2	1837	1819	-
	7	395530	68.4	13	2	1587	1114	-
	8	588564	76.7	13	2	2000	1155	-
	9	783794	53.2	13	1	1147	-	-
	10	177933	85.7	13	3	1433	1695	1394
	11	370624	94.3	13	3	1670	1426	1935
	12	564893	77.6	13	2	1294	1671	-
	13	759583	65.7	13	1	1512	-	-
	14	154262	93.5	13	3	1444	1130	1468
1	Type 5	8	1.5	12	5.55			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	653020	75	5	2	1880	1527	-
	1	1015643	99.4	5	3	1401	1262	1257
	2	1379398	67.4	5	2	1531	1403	-
	3	245489	73.6	5	2	1449	1041	-
	4	609113	65.9	5	1	1432	-	-
	5	970852	83.8	5	3	1356	1292	1419
	6	1335913	65.5	5	1	1543	-	-
	7	200406	98.6	5	3	1548	1796	1728

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
2	Type 5	11	1.090909	12	5.55			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	409565	73.8	9	2	1806	1538	-
	1	673692	69.5	9	2	1117	1649	-
	2	938562	51.9	9	1	1651	-	-
	3	113209	84.6	9	3	1976	1032	1271
	4	376726	95.4	9	3	1060	1903	1388
	5	641212	68	9	2	1368	1351	-
	6	903714	89.6	9	3	1338	1514	1573
	7	80863	81.9	9	2	1022	1689	-
	8	344067	88.3	9	3	1810	1330	1838
	9	609331	53.7	9	1	1597	-	-
	10	871542	91.3	9	3	1961	1106	1001
3	Type 5	20	0.6	12	5.55			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	26541	68.1	19	2	1339	1355	-
	1	171821	58.7	19	1	1251	-	-
	2	316229	75.3	19	2	1136	1640	-
	3	461864	56.4	19	1	1753	-	-
	4	8677	99.7	19	3	1196	1708	1159
	5	153995	57.7	19	1	1013	-	-
	6	299238	59.5	19	1	1072	-	-
	7	443177	80	19	2	1482	1369	-
	8	587671	82	19	2	1993	1197	-
	9	135674	82.8	19	2	1883	1005	-
	10	279928	88	19	3	1061	1928	1101
	11	424279	93.2	19	3	1207	1907	1223
	12	570132	70.4	19	2	1526	1360	-
	13	117439	95.3	19	3	1171	1955	1775
	14	262502	81.9	19	2	1690	1545	-
	15	406573	98.5	19	3	1975	1169	1062
	16	553328	65	19	1	1767	-	-
	17	99799	85.4	19	3	1011	1637	1425
	18	244095	91.6	19	3	1878	1445	1325
	19	390012	67.3	19	2	1091	1218	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
4	Type 5	17	0.705882	12	5.55			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	629614	67.9	16	2	1320	1133	-
	1	96856	62.3	16	1	1957	-	-
	2	267719	53.3	16	1	1592	-	-
	3	436784	90	16	3	1900	1153	1346
	4	608289	77.1	16	2	1166	1646	-
	5	75610	83.9	16	3	1278	1232	1459
	6	245638	89.1	16	3	1240	1384	1939
	7	416355	81.8	16	2	1833	1676	-
	8	588736	50.3	16	1	1075	-	-
	9	54571	87.1	16	3	1116	1996	1756
	10	225175	71.3	16	2	1225	1815	-
	11	394825	97.5	16	3	1884	1465	1132
	12	565361	90.6	16	3	1561	1040	1354
	13	33643	86.3	16	3	1596	1183	1792
	14	203957	97.6	16	3	1365	1073	1361
	15	373812	84.7	16	3	1021	1718	1854
	16	544060	99.7	16	3	1150	1244	1988

5	Type 5	14	0.857143	12	5.55			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	15438	92.9	12	3	1085	1564	1407
	1	222486	67.7	12	2	1744	1747	-
	2	430731	65.8	12	1	1092	-	-
	3	637784	56.3	12	1	1851	-	-
	4	845342	53.7	12	1	1727	-	-
	5	196720	83.5	12	3	1679	1930	1025
	6	404955	65.8	12	1	1519	-	-
	7	610711	85.9	12	3	1134	1034	1808
	8	818057	76.3	12	2	1606	1926	-
	9	171459	81.5	12	2	1891	1714	-
	10	377969	89.4	12	3	1310	1594	1827
	11	586875	63.4	12	1	1568	-	-
	12	792834	69.6	12	2	1307	1925	-
	13	146044	74.5	12	2	1264	1846	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
6	Type 5	15	0.8	12	5.55			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	329022	96.6	13	3	1182	1609	1581
	1	521718	96.7	13	3	1829	1799	1154
	2	714222	86.5	13	3	1923	1396	1865
	3	112450	73.3	13	2	1908	1318	-
	4	306283	55.8	13	1	1688	-	-
	5	500239	55.4	13	1	1145	-	-
	6	690932	85.3	13	3	1336	1504	1820
	7	88645	79.4	13	2	1344	1893	-
	8	282508	65.7	13	1	1476	-	-
	9	475842	68.6	13	2	1008	1028	-
	10	667887	77.7	13	2	1972	1835	-
	11	64845	79.6	13	2	1882	1331	-
	12	257755	94.9	13	3	1830	1070	1349
	13	452335	61.4	13	1	1451	-	-
	14	643395	90.6	13	3	1233	1562	1887
7	Type 5	12	1	12	5.55			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	51446	52.6	10	1	1210	-	-
	1	292696	84.1	10	3	1314	1725	1529
	2	533989	97.7	10	3	1139	1868	1805
	3	775564	97.3	10	3	1341	1446	1755
	4	21542	98.8	10	3	1544	1386	1302
	5	263385	72.2	10	2	1771	1184	-
	6	505581	67.6	10	2	1175	1027	-
	7	747058	75.7	10	2	1026	1871	-
	8	989976	60.9	10	1	1798	-	-
	9	234024	64.2	10	1	1138	-	-
	10	475207	78.8	10	2	1784	1604	-
	11	715825	87.5	10	3	1511	1712	1683

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
8	Type 5	14	0.857143	12	5.55			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	823112	54.1	13	1	1415	-	-
	1	174965	50.7	13	1	1221	-	-
	2	382216	52.3	13	1	1974	-	-
	3	587395	99.8	13	3	1558	1696	1949
	4	796897	68.4	13	2	1014	1099	-
	5	149042	80.8	13	2	1736	1505	-
	6	356750	62.5	13	1	1778	-	-
	7	563824	74.8	13	2	1149	1204	-
	8	772314	50.8	13	1	1049	-	-
	9	123796	54	13	1	1417	-	-
	10	331215	63	13	1	1730	-	-
	11	537402	91.8	13	3	1143	1270	1347
	12	744805	79.3	13	2	1274	1992	-
	13	98172	64.3	13	1	1937	-	-
9	Type 5	8	1.5	12	5.55			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	535615	63.4	6	1	1043	-	-
	1	898668	52	6	1	1863	-	-
	2	1259235	97.2	6	3	1973	1605	1583
	3	127106	78.7	6	2	1466	1743	-
	4	490358	74.2	6	2	1280	1219	-
	5	852409	88.7	6	3	1293	1934	1273
	6	1217152	54.3	6	1	1991	-	-
	7	82296	95.4	6	3	1580	1555	1791

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
10	Type 5	17	0.705882	12	5.5379			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	209249	73.7	16	2	1208	1497	-
	1	378386	97.4	16	3	1942	1754	1613
	2	548411	91.7	16	3	1999	1702	1462
	3	17733	66.2	16	1	1393	-	-
	4	187952	70.8	16	2	1968	1821	-
	5	359277	52.3	16	1	1740	-	-
	6	528886	78.9	16	2	1308	1984	-
	7	700166	70.9	16	2	1050	1358	-
	8	167197	75.6	16	2	1437	1430	-
	9	338262	59.1	16	1	1697	-	-
	10	508324	77	16	2	1397	1304	-
	11	678689	67.9	16	2	1803	1083	-
	12	146031	81.2	16	2	1720	1932	-
	13	316923	78.7	16	2	1247	1121	-
	14	488056	63.3	16	1	1634	-	-
	15	657326	68.9	16	2	1849	1423	-
	16	125509	59.3	16	1	1093	-	-

11	Type 5	19	0.631579	12	5.5391			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	263736	98.9	19	3	1381	1680	1488
	1	416459	82.3	19	2	1716	1855	-
	2	567902	86.7	19	3	1211	1400	1919
	3	92979	89.7	19	3	1861	1068	1282
	4	245155	98.6	19	3	1507	1194	1461
	5	397609	71.1	19	2	1921	1789	-
	6	551431	55.9	19	1	1947	-	-
	7	74413	67.9	19	2	1350	1372	-
	8	226559	84.4	19	3	1203	1107	1443
	9	380056	58.8	19	1	1715	-	-
	10	533408	65.6	19	1	1017	-	-
	11	55547	78.5	19	2	1911	1704	-
	12	207876	82.3	19	2	1845	1686	-
	13	359771	90.1	19	3	1938	1071	1266
	14	511297	90.2	19	3	1989	1089	1950
	15	36803	83.1	19	2	1943	1406	-
	16	189652	58.8	19	1	1742	-	-
	17	341809	77	19	2	1187	1657	-
	18	495737	55	19	1	1012	-	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
12	Type 5	15	0.8	12	5.5367			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	22911	58.1	13	1	1929	-	-
	1	216473	52.1	13	1	1910	-	-
	2	410004	59.9	13	1	1971	-	-
	3	603671	60.2	13	1	1812	-	-
	4	794160	95.9	13	3	1399	1906	1608
	5	192251	79.9	13	2	1626	1859	-
	6	385590	78.5	13	2	1238	1917	-
	7	579862	53.8	13	1	1763	-	-
	8	773423	64.7	13	1	1800	-	-
	9	168898	61.4	13	1	1390	-	-
	10	361606	83.2	13	2	1692	1858	-
	11	553866	84.7	13	3	1533	1677	1638
	12	747241	88.7	13	3	1703	1528	1058
	13	144710	78.3	13	2	1258	1951	-
	14	337856	69.3	13	2	1731	1717	-
13	Type 5	12	1	12	5.5355			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	664275	75.3	10	2	1994	1612	-
	1	907886	56.3	10	1	1456	-	-
	2	151316	67.7	10	2	1617	1185	-
	3	393746	55.6	10	1	1337	-	-
	4	635093	75.2	10	2	1421	1267	-
	5	876993	76.3	10	2	1359	1305	-
	6	121278	85.7	10	3	1547	1362	1924
	7	362696	98.4	10	3	1873	1550	1249
	8	604342	86.4	10	3	1779	1439	1046
	9	846453	93.6	10	3	1059	1031	1452
	10	91871	63.3	10	1	1328	-	-
	11	333050	92.4	10	3	1412	1673	1322

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
14	Type 5	19	0.631579	12	5.5387			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	361323	93.3	18	3	1983	1912	1535
	1	515261	69.1	18	2	1102	1794	-
	2	39025	86.9	18	3	1044	1152	1148
	3	190900	84.9	18	3	1894	1948	1118
	4	343941	72.3	18	2	1094	1916	-
	5	497624	51.7	18	1	1447	-	-
	6	20319	58.3	18	1	1429	-	-
	7	172999	60.8	18	1	1979	-	-
	8	325872	57.1	18	1	1641	-	-
	9	475841	88.9	18	3	1886	1964	1489
	10	1489	72	18	2	1909	1297	-
	11	153647	90.9	18	3	1261	1566	1370
	12	307096	59.8	18	1	1552	-	-
	13	458804	70	18	2	1759	1291	-
	14	610798	67.2	18	2	1625	1881	-
	15	134759	91.2	18	3	1382	1832	1661
	16	288306	56.5	18	1	1483	-	-
	17	441296	51.2	18	1	1237	-	-
	18	592780	74.1	18	2	1471	1245	-

15	Type 5	14	0.857143	12	5.5363			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	158286	76.9	12	2	1110	1140	-
	1	366024	50.2	12	1	1316	-	-
	2	573452	62.9	12	1	1520	-	-
	3	780619	64.7	12	1	1902	-	-
	4	132455	83.8	12	3	1410	1097	1621
	5	340207	65.4	12	1	1944	-	-
	6	548208	53.2	12	1	1024	-	-
	7	755333	51.7	12	1	1603	-	-
	8	107117	78.7	12	2	1804	1168	-
	9	314500	72.4	12	2	1030	1343	-
	10	522447	53.8	12	1	1327	-	-
	11	728517	73.6	12	2	1524	1553	-
	12	81611	66.7	12	2	1722	1122	-
	13	288948	82.5	12	2	1404	1019	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
16	Type 5	20	0.6	12	5.5395			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	345766	87.6	20	3	1565	1055	1840
	1	490019	85.2	20	3	1735	1541	1408
	2	39073	84.8	20	3	1534	1889	1463
	3	183923	77.9	20	2	1749	1460	-
	4	328777	76.5	20	2	1518	1485	-
	5	474728	60.9	20	1	1540	-	-
	6	21394	83	20	2	1080	1010	-
	7	165992	80.4	20	2	1824	1752	-
	8	310973	67.5	20	2	1764	1181	-
	9	456884	62.1	20	1	1495	-	-
	10	3515	86.4	20	3	1773	1966	1263
	11	147928	84.3	20	3	1593	1188	1788
	12	293225	76.9	20	2	1226	1537	-
	13	436922	95.8	20	3	1192	1298	1844
	14	584015	55.2	20	1	1644	-	-
	15	130832	59	20	1	1402	-	-
	16	274684	94.5	20	3	1296	1700	1283
	17	418579	91.9	20	3	1970	1978	1165
	18	563464	85.2	20	3	1732	1551	1189
	19	112787	69.5	20	2	1038	1224	-

17	Type 5	12	1	12	5.5355			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	429224	86.4	10	3	1259	1918	1455
	1	670241	92.2	10	3	1598	1719	1895
	2	912880	80.4	10	2	1816	1899	-
	3	158603	54.3	10	1	1335	-	-
	4	400824	53.1	10	1	1303	-	-
	5	641915	69.4	10	2	1503	1546	-
	6	883823	69.1	10	2	1279	1639	-
	7	128373	100	10	3	1375	1438	1595
	8	370379	79.6	10	2	1239	1705	-
	9	611194	88.4	10	3	1374	1579	1623
	10	855665	53.3	10	1	1016	-	-
	11	98897	65.3	10	1	1709	-	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
18	Type 5	14	0.857143	12	5.5363			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	292143	55.3	12	1	1920	-	-
	1	499633	58.3	12	1	1797	-	-
	2	706377	72.3	12	2	1610	1039	-
	3	58989	84.8	12	3	1131	1761	1721
	4	266161	82.5	12	2	1875	1431	-
	5	474469	63.3	12	1	1095	-	-
	6	680544	80	12	2	1119	1913	-
	7	33519	90.3	12	3	1660	1853	1123
	8	240319	91.1	12	3	1539	1783	1172
	9	447400	96.6	12	3	1525	1036	1385
	10	654516	82.7	12	2	1710	1990	-
	11	8083	50.7	12	1	1234	-	-
	12	215435	78.4	12	2	1047	1109	-
	13	421325	99.5	12	3	1299	1965	1869
19	Type 5	12	1	12	5.5355			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	733725	88.6	10	3	1501	1067	1927
	1	977882	57.4	10	1	1723	-	-
	2	221197	96.6	10	3	1086	1658	1324
	3	462915	69.7	10	2	1751	1945	-
	4	705071	77.9	10	2	1642	1317	-
	5	947923	62	10	1	1866	-	-
	6	191373	88.4	10	3	1997	1077	1366
	7	432561	97.3	10	3	1790	1896	1367
	8	674004	96.2	10	3	1391	1787	1672
	9	915842	95.4	10	3	1020	1892	1414
	10	162176	54.8	10	1	1084	-	-
	11	403553	80.4	10	2	1850	1436	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
20	Type 5	16	0.75	12	5.5625			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	483470	74.7	15	2	1619	1611	-
	1	666072	57.1	15	1	1560	-	-
	2	98810	91.9	15	3	1392	1475	1276
	3	279914	83.1	15	2	1809	1772	-
	4	462536	50.7	15	1	1003	-	-
	5	642324	79.2	15	2	1574	1600	-
	6	76831	58.7	15	1	1186	-	-
	7	257785	71	15	2	1521	1567	-
	8	438554	79	15	2	1777	1960	-
	9	620397	68.5	15	2	1284	1428	-
	10	54310	73.5	15	2	1904	1352	-
	11	235506	70.5	15	2	1864	1115	-
	12	417036	76.6	15	2	1045	1300	-
	13	597974	81.2	15	2	1160	1675	-
	14	32086	61.8	15	1	1277	-	-
	15	212751	94.9	15	3	1450	1206	1860
21	Type 5	12	1	12	5.5649			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	526149	78.5	9	2	1653	1698	-
	1	767135	89.8	9	3	1174	1962	1167
	2	12955	59.4	9	1	1982	-	-
	3	254612	79.6	9	2	1633	1890	-
	4	496588	76	9	2	1112	1811	-
	5	739728	53.6	9	1	1144	-	-
	6	980872	80.9	9	2	1220	1053	-
	7	225249	61.6	9	1	1724	-	-
	8	467279	53.4	9	1	1901	-	-
	9	709720	59.9	9	1	1379	-	-
	10	951847	60.4	9	1	1453	-	-
	11	194839	91.4	9	3	1768	1726	1227

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
22	Type 5	20	0.6	12	5.5605			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	261858	77	20	2	1191	1363	-
	1	407646	58.1	20	1	1248	-	-
	2	552319	62.1	20	1	1836	-	-
	3	99107	76.9	20	2	1334	1236	-
	4	243514	80	20	2	1914	1852	-
	5	389464	52	20	1	1701	-	-
	6	531093	88.6	20	3	1693	1995	1905
	7	81159	72.9	20	2	1922	1387	-
	8	225245	98.5	20	3	1839	1746	1389
	9	371906	57.9	20	1	1193	-	-
	10	514197	95.9	20	3	1659	1870	1066
	11	63561	53.5	20	1	1162	-	-
	12	207510	92	20	3	1745	1654	1458
	13	353638	57.3	20	1	1834	-	-
	14	497515	70.5	20	2	1684	1586	-
	15	45553	70	20	2	1042	1664	-
	16	189821	84	20	3	1765	1630	1176
	17	335330	76.1	20	2	1557	1057	-
	18	478825	93.2	20	3	1985	1018	1340
	19	27594	96.8	20	3	1760	1614	1817

23	Type 5	14	0.857143	12	5.5637			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	247117	50.1	12	1	1841	-	-
	1	453362	93.5	12	3	1590	1081	1413
	2	660875	68.8	12	2	1707	1577	-
	3	14140	56.3	12	1	1056	-	-
	4	220734	86	12	3	1953	1108	1987
	5	428367	75.2	12	2	1572	1536	-
	6	636681	54.4	12	1	1517	-	-
	7	843157	71.1	12	2	1329	1243	-
	8	195585	76.2	12	2	1940	1770	-
	9	403231	80.2	12	2	1098	1209	-
	10	610202	79.7	12	2	1588	1214	-
	11	815229	90.9	12	3	1615	1862	1601
	12	170267	68.7	12	2	1377	1441	-
	13	377306	67.4	12	2	1872	1313	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
24	Type 5	13	0.923077	12	5.5641			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	628071	94	11	3	1643	1748	1941
	1	853391	70.8	11	2	1177	1201	-
	2	156223	56.3	11	1	1006	-	-
	3	378734	96.7	11	3	1230	1163	1332
	4	601331	90.6	11	3	1217	1582	1498
	5	825462	74.5	11	2	1569	1281	-
	6	128265	92.6	11	3	1065	1669	1222
	7	351161	89	11	3	1493	1135	1380
	8	573425	96.5	11	3	1607	1822	1602
	9	798431	70.5	11	2	1141	1178	-
	10	100737	94	11	3	1009	1629	1956
	11	324661	55.8	11	1	1290	-	-
	12	546278	87.7	11	3	1435	1963	1164
25	Type 5	8	1.5	12	5.5665			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	1253842	68.6	5	2	1306	1161	-
	1	119486	83.1	5	2	1420	1315	-
	2	482958	60.9	5	1	1687	-	-
	3	845641	77.7	5	2	1776	1158	-
	4	1208428	77.4	5	2	1793	1510	-
	5	74748	66.8	5	2	1576	1323	-
	6	438300	63.7	5	1	1333	-	-
	7	800152	91.2	5	3	1409	1681	1275

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
26	Type 5	17	0.705882	12	5.5621			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	545865	83.6	16	3	1632	1195	1000
	1	14067	89.4	16	3	1173	1627	1656
	2	184953	55.8	16	1	1532	-	-
	3	353759	90.9	16	3	1981	1554	1998
	4	526388	54.7	16	1	1825	-	-
	5	694806	97.7	16	3	1734	1202	1250
	6	163568	67.5	16	2	1571	1434	-
	7	333410	96.7	16	3	1589	1469	1268
	8	504006	68.3	16	2	1750	1954	-
	9	675297	78.3	16	2	1591	1082	-
	10	142890	55	16	1	1427	-	-
	11	312479	84.9	16	3	1129	1936	1199
	12	482953	74.6	16	2	1959	1856	-
	13	655022	63.3	16	1	1885	-	-
	14	121457	99.8	16	3	1035	1515	1120
	15	292606	63.6	16	1	1647	-	-
	16	461322	87.3	16	3	1931	1051	1831

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
27	Type 5	19	0.631579	12	5.5609			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	565136	85.6	19	3	1946	1078	1015
	1	89970	68.6	19	2	1029	1780	-
	2	243121	54.2	19	1	1111	-	-
	3	396034	61.2	19	1	1104	-	-
	4	546225	97.1	19	3	1157	1969	1100
	5	70998	98.3	19	3	1142	1699	1622
	6	224093	62.4	19	1	1655	-	-
	7	376127	80.2	19	2	1126	1769	-
	8	527806	87.5	19	3	1216	1448	1179
	9	52247	85.8	19	3	1847	1348	1472
	10	204582	88.1	19	3	1023	1124	1631
	11	357941	65.3	19	1	1848	-	-
	12	510977	52.5	19	1	1470	-	-
	13	33698	52.3	19	1	1312	-	-
	14	186023	74.1	19	2	1915	1200	-
	15	339327	54.9	19	1	1479	-	-
	16	491053	76.2	19	2	1376	1502	-
	17	14858	60.4	19	1	1758	-	-
	18	167387	81.5	19	2	1491	1103	-

28	Type 5	12	1	12	5.5645			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	507709	50.5	10	1	1857	-	-
	1	750249	55.7	10	1	1246	-	-
	2	989003	85.8	10	3	1774	1002	1967
	3	235634	76.9	10	2	1125	1474	-
	4	477675	75.1	10	2	1254	1052	-
	5	718312	92.3	10	3	1180	1486	1492
	6	960895	78.1	10	2	1301	1757	-
	7	205370	92.2	10	3	1898	1252	1713
	8	446940	89	10	3	1260	1706	1411
	9	689225	70.9	10	2	1578	1620	-
	10	932305	63.1	10	1	1782	-	-
	11	176231	55.3	10	1	1522	-	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	-		
29	Type 5	18	0.666667	12	5.5617			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	277485	83.4	17	3	1454	1205	1801
	1	437880	97.3	17	3	1319	1826	1635
	2	598445	90.4	17	3	1079	1986	1674
	3	97088	91.8	17	3	1563	1151	1802
	4	257251	98.2	17	3	1876	1977	1766
	5	419893	59.5	17	1	1952	-	-
	6	580724	80	17	2	1253	1137	-
	7	77366	86.5	17	3	1054	1128	1828
	8	238032	91.1	17	3	1105	1599	1442
	9	398605	93.5	17	3	1867	1373	1087
	10	562025	60.7	17	1	1033	-	-
	11	57684	67.2	17	2	1288	1405	-
	12	219083	61.8	17	1	1585	-	-
	13	379234	79.4	17	2	1933	1667	-
	14	540896	81.4	17	2	1096	1464	-
	15	37916	65.7	17	1	1496	-	-
	16	198794	76	17	2	1733	1255	-
	17	359754	81	17	2	1326	1668	-

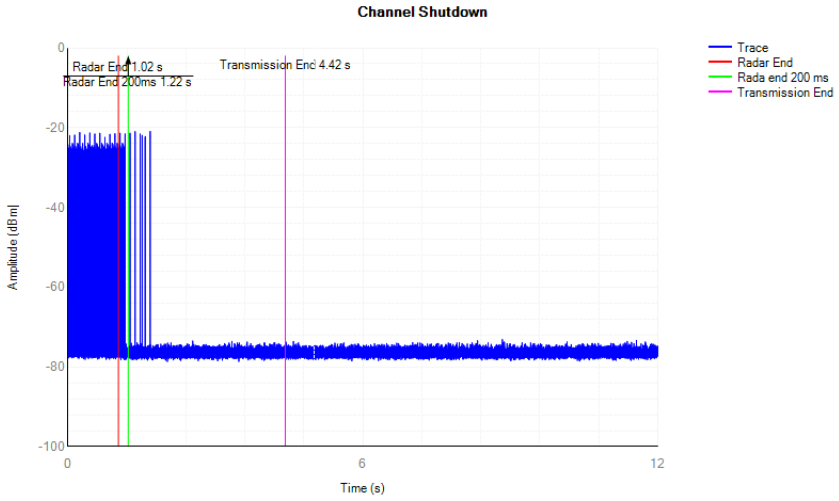
Radar Singal 6

Trial ID	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Legth (us)	Pulse Repection Frequency (Pulses Per Second)	Pulse Repection Interval (Microseconds)
0	Type 6	1	335.5	9	0.3332	3000	15
1	Type 6	1	335.5	9	0.3332	3000	15
2	Type 6	1	335.5	9	0.3332	3000	16
3	Type 6	1	335.5	9	0.3332	3000	14
4	Type 6	1	335.5	9	0.3332	3000	9
5	Type 6	1	335.5	9	0.3332	3000	15
6	Type 6	1	335.5	9	0.3332	3000	11
7	Type 6	1	335.5	9	0.3332	3000	15
8	Type 6	1	335.5	9	0.3332	3000	13
9	Type 6	1	335.5	9	0.3332	3000	15
10	Type 6	1	335.5	9	0.3332	3000	16
11	Type 6	1	335.5	9	0.3332	3000	21
12	Type 6	1	335.5	9	0.3332	3000	20
13	Type 6	1	335.5	9	0.3332	3000	14
14	Type 6	1	335.5	9	0.3332	3000	14
15	Type 6	1	335.5	9	0.3332	3000	19
16	Type 6	1	335.5	9	0.3332	3000	16
17	Type 6	1	335.5	9	0.3332	3000	20
18	Type 6	1	335.5	9	0.3332	3000	15
19	Type 6	1	335.5	9	0.3332	3000	15
20	Type 6	1	335.5	9	0.3332	3000	18
21	Type 6	1	335.5	9	0.3332	3000	16
22	Type 6	1	335.5	9	0.3332	3000	21
23	Type 6	1	335.5	9	0.3332	3000	12
24	Type 6	1	335.5	9	0.3332	3000	15
25	Type 6	1	335.5	9	0.3332	3000	14
26	Type 6	1	335.5	9	0.3332	3000	13
27	Type 6	1	335.5	9	0.3332	3000	16
28	Type 6	1	335.5	9	0.3332	3000	16
29	Type 6	1	335.5	9	0.3332	3000	13

Channel Move Time & Channel Closing Transmission Time

IEEE 802.11ac

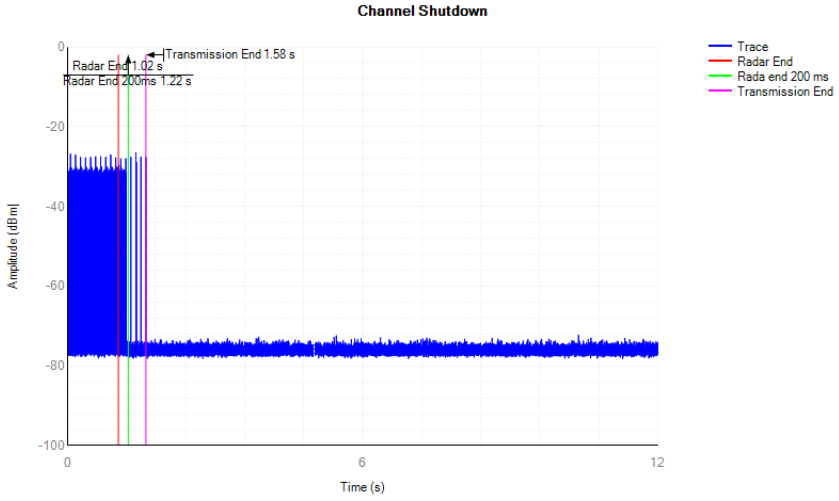
Channel 58 / 5290 MHz



Channel Move Time	Limit
3.40s	10s
Channel Close Time	Limit
5.2ms	60ms

IEEE 802.11ac

Channel 106 / 5530 MHz



Channel Move Time	Limit
0.56s	10s
Channel Close Time	Limit
3.6ms	60ms

Notes:A/N40/AC80 were tested, the report recorded the worst result of AC mode.

9. LIST OF MEASURING EQUIPMENTS

Manufacturer	Model / Equipment	Cal Date	Due Date	Serial No.
SAMSUNG ELECTRONICS	WEA453e / Wireless AP (Master Device)	N/A	N/A	S2LF812265
ADLINK	PXI/DFS Measurement System(S/G)	2024-03-19 2025-03-18	2025-03-18 2026-03-17	302581/735
ADLINK	PXI/DFS Measurement System(S/A)	2024-03-19 2025-03-18	2025-03-18 2026-03-17	303582/113
Agilent	N9020A / Signal Analyzer	2024-06-04	2025-06-03	MY52090906
Hewlett Packard	11636B/Power Divider	2025-02-17	2026-02-16	0531
Hewlett Packard	11667B / Power Splitter	2024-06-03	2025-06-02	05001
Agilent	8493C / Attenuator(10 dB)	2024-09-04	2025-09-03	07560
WEINSCHEL	2-3 / Attenuator(3 dB)	2024-08-07	2025-08-06	BR0617
Weinschel	AF9003-69-31 / Step Attenuator	2024-10-10	2025-10-09	5701
Cernex	CDPU5260404K / 4 Way Power Divider	2024-03-04 2025-03-03	2025-03-03 2026-03-02	14695
Narda	4426-4 / 4 Way Power Divider	2025-02-04	2026-02-03	11927

10. TEST SETUP PHOTOGRAPHS OF EUT

Please refer to separated files for Test Setup Photos of the EUT.

11. EXTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

12. INTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

----------THE END OF REPORT----------

FCC TEST REPORT

For

Lunar Industries inc.

Smart Phone

Test Model: BraX3

Prepared for	:	Lunar Industries inc.
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel	:	(+86)755-82591330
Fax	:	(+86)755-82591332
Web	:	www.LCS-cert.com
Mail	:	webmaster@LCS-cert.com
Date of receipt of test sample	:	February 26, 2025
Number of tested samples	:	2
Sample No.	:	A250303080-1, A250303080-2
Serial number	:	Prototype
Date of Test	:	February 26, 2025 ~ March 25, 2025
Date of Report	:	March 26, 2025

FCC TEST REPORT
FCC CFR 47 PART 15 E (15.407)

Report Reference No.	**:**	**LCSA11204234EH**
Date of Issue.....	:	March 26, 2025
Testing Laboratory Name	**:**	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address.....	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Testing Location/ Procedure.....	:	Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □
Applicant's Name.....	**:**	**Lunar Industries inc.**
Address.....	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Test Specification		
Standard	:	FCC CFR 47 PART 15 E (15.407)
Test Report Form No.	**:**	TRF-4-E-118 A/0
TRF Originator	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF.....	:	Dated 2011-03

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EUT Description.....	**:**	**Smart Phone**
Trade Mark.....	:	Brax
Test Model	:	BraX3
Ratings.....	:	Please Refer to Page 6
Result	:	**Positive**

Compiled by:	**Supervised by:**	**Approved by:**
Jack Liu/Administrator	Cary Luo/ Technique principal	Gavin Liang/ Manager

FCC -- TEST REPORT

Test Report No. : **LCSA11204234EH**	March 26, 2025 Date of issue

Test Model.....	: BraX3
EUT.....	: Smart Phone
Applicant.....	**: Lunar Industries inc.**
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Manufacturer.....	**: Lunar Industries inc.**
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Factory.....	**: Sichuan koobee communication equipment Co., Ltd.**
Address.....	: Building 2, No.69, West of gangyuan Road, Lingang economic and technological development zone, Yibin City, Sichuan Province, P.R.China
Telephone.....	: /
Fax.....	: /

Test Result:	**Positive**

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revision History

Report Version	Issue Date	Revision Content	Revised By
000	March 26, 2025	Initial Issue	---

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1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	Smart Phone
Test Model	:	BraX3
Ratings	:	Input:5V⎓2A DC 3.87V by Rechargeable Li-ion Battery, 4900mAh
Hardware Version	:	KE115S_01
Software Version	:	V600.BX3.25032025.16.19.AD
Bluetooth	:	
Frequency Range	:	2402MHz~2480MHz
Channel Number	:	79 channels for Bluetooth V5.2 (DSS) 40 channels for Bluetooth V5.2 (DTS)
Channel Spacing	:	1MHz for Bluetooth V5.2 (DSS) 2MHz for Bluetooth V5.2 (DTS)
Modulation Type	:	GFSK, π/4-DQPSK, 8-DPSK for Bluetooth V5.2 (DSS) GFSK for Bluetooth V5.2 (DTS)
Bluetooth Version	:	V5.2
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(2.4G Band)	:	
Frequency Range	:	2412MHz~2462MHz
Channel Spacing	:	5MHz
Channel Number	:	11 Channels for 20MHz bandwidth (2412~2462MHz) 7 Channels for 40MHz bandwidth (2422~2452MHz)
Modulation Type	:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(5.2G Band)	:	
Frequency Range	:	5180MHz~5240MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5180MHz~5240MHz) 2 channels for 40MHz bandwidth(5190MHz~5230MHz) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.3G Band)		
Frequency Range	:	5260MHz~5320MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5260MHz~5320MHz) 2 channels for 40MHz bandwidth(5270MHz~5310MHz) 1 channels for 80MHz bandwidth(5290MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.5G Band)	:	
Frequency Range	:	5500MHz~5700MHz
Channel Number	:	11 Channels for 20MHz bandwidth(5500MHz~5700MHz)

		5 Channels for 40MHz bandwidth(5510MHz~5670MHz) 2 Channels for 80MHz bandwidth(5530MHz, 5610MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.8G Band)	:	
Frequency Range	:	5745MHz~5825MHz
Channel Number	:	5 channels for 20MHz bandwidth(5745MHz~5825MHz) 2 channels for 40MHz bandwidth(5755MHz~5795MHz) 1 channels for 80MHz bandwidth(5775MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5),0.65dBi(Max.)
2G	:	
Support Band	:	☒GSM 900 (EU-Band) ☒DCS 1800 (EU-Band) ☒GSM 850 (U.S.-Band) ☒PCS 1900 (U.S.-Band)
Release Version	:	R9
GPRS Class	:	Class 12
EGPRS Class	:	Class 12
Type Of Modulation	:	GMSK for GSM/GPRS; GMSK/8PSK for EGPRS
Antenna Description	:	GSM 850: -3.2 dBi(ANT0), -6.0 dBi(ANT3) PCS 1900: -0.8 dBi(ANT3), -2.0 dBi(ANT0)
3G	:	
Support Band	:	☒WCDMA Band I (EU-Band) ☒WCDMA Band II (U.S.-Band) ☒WCDMA Band IV (U.S.-Band) ☒WCDMA Band V (U.S.-Band) ☒WCDMA Band VIII (EU-Band)
Release Version	:	R9
Type Of Modulation	:	QPSK,16QAM
Antenna Description	:	PIFA Antenna WCDMA Band II -0.8 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band IV -1.45 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band V -3.2 dBi(ANT0), -6.0 dBi(ANT3)
LTE	:	
Support Band	:	☒E-UTRA Band 1(EU-Band) ☒E-UTRA Band 2(U.S.-Band) ☒E-UTRA Band 3(EU-Band) ☒E-UTRA Band 4(U.S.-Band) ☒E-UTRA Band 5(U.S.-Band) ☒E-UTRA Band 7(U.S.-Band) ☒E-UTRA Band 8(EU-Band) ☒E-UTRA Band 12(U.S.-Band) ☒E-UTRA Band 13(U.S.-Band) ☒E-UTRA Band 17(U.S.-Band) ☒E-UTRA Band 25(U.S.-Band) ☒E-UTRA Band 26(U.S.-Band) ☒E-UTRA Band 28(EU-Band) ☒E-UTRA Band 38(U.S.-Band) ☒E-UTRA Band 40(EU-Band)

		☒E-UTRA Band 41(U.S.-Band) ☒E-UTRA Band 42(EU-Band) ☒E-UTRA Band 66(U.S.-Band) ☒E-UTRA Band 71(U.S.-Band)
LTE Release Version	:	R15
Type Of Modulation	:	QPSK/16QAM
Antenna Description	:	PIFA Antenna For E-UTRA Band 2 -0.8 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 4 -1.45 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 5 -3.2 dBi(ANT0),-1.8 dBi(ANT3) For E-UTRA Band 7 -0.6 dBi(ANT3),-1.8 dBi(ANT0), -1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 12 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 13 -3.0 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 17 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 25 -0.75 dBi(ANT3), -2.0 dBi(ANT0) ,-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 26 -3.3 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 38 -0.6 dBi(ANT3),-1.1 dBi(ANT0),-1.8 dBi(ANT2), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 41 –0.6 dBi(ANT3), -1.1 dBi(ANT0),-1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 66 -0.78 dBi(ANT3), -2.0 dBi(ANT0),-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 71 -3.3 dBi(ANT0), -2.0 dBi(ANT3)
Power Class	:	Class 3
NR	:	
Operation Band	:	SA Band: n1: UL: 1920MHz~1980MHz, DL: 2110MHz~2170MHz n2: UL: 1850MHz~1910MHz, DL: 1930MHz~1990MHz n3: UL: 1710MHz~1785MHz, DL:1805MHz~1880MHz n5: UL: 824MHz~849MHz, DL:869MHz~894MHz n7: UL: 2500MHz~2570MHz, DL: 2620MHz~2690MHz n25: UL: 1850MHz~1915MHz, DL: 1930MHz~1995MHz n26: UL: 814MHz~849MHz, DL: 859MHz~894MHz n28: UL: 703MHz~748MHz, DL: 758MHz~803MHz n38: UL & DL: 2570MHz~2620MHz n40: UL & DL: 2300MHz~2400MHz n41: UL & DL: 2496MHz~2690MHz n66: UL: 1710MHz~1780MHz, DL: 2110MHz~2180MHz n71: UL: 663MHz~698MHz, DL: 617MHz~652MHz n77: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3980 MHz n78: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3800 MHz
Support Type	:	☒SA
Subcarrier Spacing	:	15KHz,30KHz
Modulation Type	:	DFT-BPSK, DFT-QPSK, DFT-16QAM, DFT-64QAM, DFT-256QAM CP-QPSK, CP-16QAM, CP-64QAM, CP-256QAM
SCS and Channel Bandwidths	:	n2_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,35 MHz,40 MHz n5_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz

		n7_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz,50MHz n25_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n26_SCS 15kHz(814~824MHz): 5 MHz,10 MHz n26_SCS 15kHz(824~849MHz): 5 MHz,10 MHz,15 MHz,20 MHz n38_SCS 30kHz:10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n41_SCS 30kHz: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz,90 MHz,100 MHz n66_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n71_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n77_SCS 30kHz: 20 MHz,50 MHz,100 MHz n78_SCS 30kHz: 20 MHz,50 MHz,100 MHz
Power Class	:	NR Band 2/5/7/25/26/38/41:PC3 NR Band 66/71/77/78: PC2
Antenna Description	:	PIFA Antenna NR Band n2: -0.8 dBi(ANT3), -6.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n5: -3.2 dBi(ANT0), -6.0 dBi(ANT3) NR Band n7: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n25: -0.75 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n26: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n38: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n41: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n66: -0.78 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n71: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n77: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7) NR Band n78: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7)
NFC	:	
Operating Frequency	:	13.56MHz
Modulation Type	:	ASK
Antenna Description	:	Internal Antenna
GPS Function	:	Support and only RX
FM Function	:	Support and only RX
Extreme temp. Tolerance	:	-30°C to +50°C
Extreme vol. Limits	:	3.3VDC to 4.45VDC (nominal: 3.87VDC)

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

1.2. Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN TIANYIN ELECTRONICS CO., LTD	Power Adapter	TPA-46050200UU	--	FCC

Note: Auxiliary equipment is provided by the laboratory.

1.3. External I/O Port

I/O Port Description	Quantity	Cable
Type-C USB Port	1	N/A
Earphone Jack Port	1	N/A

1.4. Description of Test Facility

NVLAP Accreditation Code is 600167-0.
FCC Designation Number is CN5024.
CAB identifier is CN0071.
CNAS Registration Number is L4595.
Test Firm Registration Number: 254912.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

1.5. Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

1.6. Measurement Uncertainty

Test Item		Frequency Range	Uncertainty	Note
Radiation Uncertainty	:	9KHz~30MHz	±3.10dB	(1)
		30MHz~200MHz	±2.96dB	(1)
		200MHz~1000MHz	±3.10dB	(1)
		1GHz~26.5GHz	±3.80dB	(1)
		26.5GHz~40GHz	±3.90dB	(1)
Conduction Uncertainty	:	150kHz~30MHz	±1.63dB	(1)
Power disturbance	:	30MHz~300MHz	±1.60dB	(1)
Output power	:	1GHz-40GHz	±0.57dB	(1)
Power Spectral Density	:	1GHz-40GHz	±1.2dB	(1)
Occupied Channel Bandwidth	:	1GHz-40GHz	±5%	(1)
Conducted RF Spurious Emission	:	9kHz-40GHz	±1.80dB	(1)
Emissions in Restricted Bands	:	1GHz-40GHz	±2.47dB	(1)
Frequency Stability	:	1GHz-40GHz	±25Hz	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.7. Description of Test Modes

The EUT has been tested under operating condition.

This test was performed with EUT in X, Y, Z position and the worst case was found when EUT in X position.

Worst-case mode and channel used for 150 KHz-30 MHz power line conducted emissions was determined to be IEEE 802.11a mode (Middle Channel)

Worst-case mode and channel used for 9 KHz-1000 MHz radiated emissions was determined to be IEEE 802.11a mode (Middle Channel)

Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded worst case.

AC conducted emission pre-test at power adapter modes, recorded worst case;

Worst-Case data rates were utilized from preliminary testing of the Chipset, worst-case data rates used during the testing are as follows:

IEEE 802.11a Mode: 6 Mbps, OFDM.

IEEE 802.11n HT20 Mode: MCS0, OFDM.

IEEE 802.11n HT40 Mode: MCS0, OFDM.

IEEE 802.11ac VHT20 Mode: MCS0

IEEE 802.11ac VHT40 Mode: MCS0, OFDM.

IEEE 802.11ac VHT80 Mode: MCS0, OFDM.

1.8. Channel List and Frequency

Frequency Band	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
5745~5825MHz	149	5745	155	5775
	151	5755	159	5795
	153	5765	161	5805
	157	5785	165	5825
For IEEE 802.11a/n HT20/ac VHT20, Channel 149, 157 and 165 were tested. For IEEE 802.11n HT40/ac VHT40, Channel 151 and 159 were tested. For IEEE 802.11ac VHT80, Channel 155 was tested.				

2. TEST METHODOLOGY

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

The radiated testing was performed at an antenna-to-EUT distance of 3 meters. All radiated and conducted emissions measurement was performed at Shenzhen LCS Compliance Testing Laboratory Ltd.

2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2. EUT Exercise

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to FCC's request, Test Procedure 789033 D02 General U-NII Test Procedures New Rules v02r01 and KDB 662911 D01 Multiple Transmitter Output v02r01 is required to be used for this kind of FCC 15.407 UII device.

According to its specifications, the EUT must comply with the requirements of the Section 15.203, 15.205, 15.207, 15.209 and 15.407 under the FCC Rules Part 15 Subpart E

2.3. General Test Procedures

2.3.1 Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using Quasi-peak and average detector modes.

2.3.2 Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1GHz and 1.5 m above ground plane above 1GHz. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 6.3 of ANSI C63.10-2013.

2.4. Test Sample

The application provides 2 samples to meet requirement;

Sample Number	Description
Sample 1(A250303080-1)	Engineer sample – continuous transmit
Sample 2(A250303080-2)	Normal sample – Intermittent transmit

3. SYSTEM TEST CONFIGURATION

3.1. Justification

The system was configured for testing in a continuous transmits condition.

3.2. EUT Exercise Software

The system was configured for testing in a continuous transmits condition and change test channels by software provided by application.

3.3. Special Accessories

N/A.

3.4. Block Diagram/Schematics

Please refer to the related document

3.5. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

3.6. Test Setup

Please refer to the test setup photo.

4. SUMMARY OF TEST RESULTS

Applied Standard: FCC Part 15 Subpart E			
FCC Rules	Description of Test	Result	Remark
§15.407(e)	6dB Bandwidth	Compliant	Appendix G.1
§15.407(a)	Maximum Conducted Output Power	Compliant	Appendix G.2
§15.407(a)	Power Spectral Density	Compliant	Appendix G.3
§15.209, §15.407(b)	Emissions in Restricted Bands	Compliant	Appendix G.4
§15.407(g)	Frequency Stability	Compliant	Appendix G.5
/	On Time and Duty Cycle	/	Only reported; Appendix G.6
§15.209, §15.407(b)	Radiated Emissions	Compliant	Note 1
§15.207(a)	AC Conducted Emissions	Compliant	Note 1
§15.203	Antenna Requirements	Compliant	Note 1
§15.407 §2.1093	RF Exposure	Compliant	Note 2

Remark:
1. Note 1 – Test results inside test report;
2. Note 2 – Test results in other test report (SAR Report);

5. TEST RESULT

5.1. 6dB Occupied Bandwidth Measurement

5.1.1. Standard Applicable

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

5.1.2. Measuring Instruments and Setting

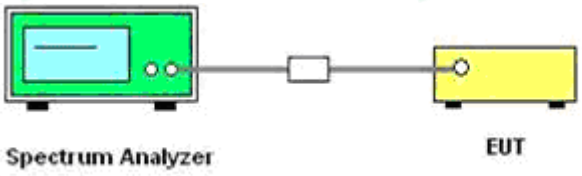
Please refer to equipment list in this report. The following table is the setting of the Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span	> 26dB Bandwidth
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.1.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer in peak hold mode.
2. The resolution bandwidth of 100 KHz and the video bandwidth of 300 KHz were used.
3. Measured the spectrum width with power higher than 6dB below carrier.

5.1.4. Test Setup Layout



5.1.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.1.6. Test Result of 6dB Occupied Bandwidth

PASS.

Please refer to Appendix G.1

Remark:

1. *Measured 6dB bandwidth at difference data rate for each mode and recorded worst case for each mode.*
2. *Test results including cable loss;*
3. *Worst case data at 6Mbps at IEEE 802.11a; MCS0 at IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40 and IEEE 802.11ac VHT80;*

5.2. 99% Occupied Bandwidth Measurement

5.2.1. Standard Applicable

According to §2.1049: The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured under the following conditions as applicable.

5.2.2. Measuring Instruments and Setting

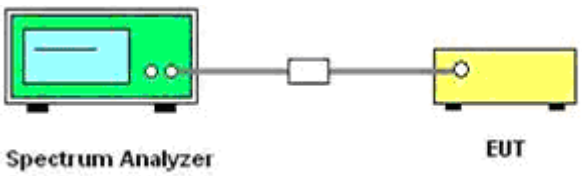
Please refer to equipment list in this report. The following table is the setting of the Spectrum Analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.2.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer in peak hold mode.
2. Set RBW = 1%~5% OBW; VBW≥3*RBW;
3. Measured the 99% occupied bandwidth by related function of the spectrum analyzer.

5.2.4. Test Setup Layout



5.2.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.2.6. Test Result of 99% Occupied Spectrum Bandwidth

Not Applicable

5.3. Maximum Conducted Output Power Measurement

5.3.1. Standard Applicable

For 5725~5850MHz

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

5.3.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of the power meter.

5.3.3. Test Procedures

The transmitter output (antenna port) was connected to the power meter.

According to KDB789033 D02 General UNII Test Procedures New Rules v02r01 Section 3 (a) Method PM (Measurement using an RF average power meter):

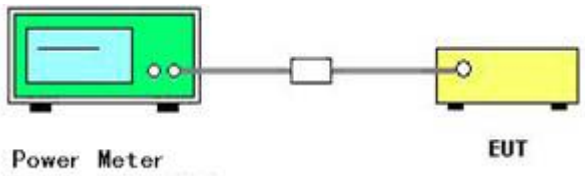
(i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the conditions listed below are satisfied.

- The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
- At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
- The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.

(ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in section II.B.

(iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.

5.3.4. Test Setup Layout



5.3.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.3.6. Test Result of Maximum Conducted Output Power

PASS

Please refer to Appendix G.2

Remark:

1. *Measured output power at difference data rate for each mode and recorded worst case for each mode.*
2. *Test results including cable loss;*
3. *Worst case data at 6Mbps at IEEE 802.11a; MCS0 at IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40 and IEEE 802.11ac VHT80;*
   Report conducted power = Measured conducted average power + Duty Cycle factor;

5.4. Power Spectral Density Measurement

5.4.1. Standard Applicable

For 5725~5850MHz

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

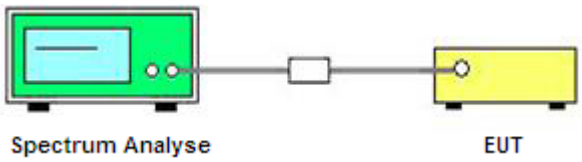
5.4.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of Spectrum Analyzer.

5.4.3. Test Procedures

1). The transmitter was connected directly to a Spectrum Analyzer through a directional couple.
2). The power was monitored at the coupler port with a Spectrum Analyzer. The power level was set to the maximum level.
3). Set the RBW = 510 kHz
4). Set the VBW ≥ 3*RBW
5). Span=Encompass the entire emissions bandwidth (EBW) of the signal
6). Detector = RMS.
7). Sweep time = auto couple.
8). Trace mode = max hold.
9). Allow trace to fully stabilize.
10). If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10 log (500 kHz/RBW) to the measured result, whereas RBW (<500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
11). If measurement bandwidth of Maximum PSD is specified in 1 MHz, add 10 log (1MHz/RBW) to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
12). Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

5.4.4. Test Setup Layout



5.4.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.4.6. Test Result of Power Spectral Density

PASS.

Please refer to Appendix G.3

Remark:

1. *Measured power spectrum density at difference data rate for each mode and recorded worst case for each mode.*
2. *Test results including cable loss;*
3. *Worst case data at 6Mbps at IEEE 802.11a; MCS0 at IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40 and IEEE 802.11ac VHT80;*
4. *Report conducted PSD = measured conducted PSD + Duty Cycle factor + RBW factor;*
5. *RBW factor = 10 log (500 KHz / 510 KHz) = -0.086 dB;*

5.5. Emissions in Restricted Bands

5.5.1 Limit

According to ξ15.407 (b) Undesirable emission limits. Except as shown in paragraph (b) (7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(a) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(b) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(c) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.

(d) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

(ii) Devices certified before March 2, 2017 with antenna gain greater than 10 dBi may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease by March 2, 2018. Devices certified before March 2, 2018 with antenna gain of 10 dBi or less may demonstrate compliance with the emission limits in §15.247(d), but manufacturing, marketing and importing of devices certified under this alternative must cease before March 2, 2020.

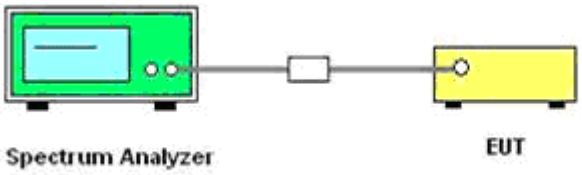
(e) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.

(f) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.

(g) The provisions of §15.205 apply to intentional radiators operating under this section.

(h) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

5.5.2 Test Configuration



5.5.3 Test Procedure

1. The power was monitored at the coupler port with a Spectrum Analyzer. The power level was set to the maximum level.
2. Set the RBW = 1MHz.
3. Set the VBW ≥ 3MHz
4. Number of points in sweep ≥ 2 × span / RBW. (This ensures that bin-to-bin spacing is ≤ RBW/2, so that narrowband signals are not lost between frequency bins.)
5. Manually set sweep time ≥ 10 × (number of points in sweep) × (total on/off period of the transmitted signal).
6. Set detector = power averaging (rms).
7. Sweep time = auto couple.
8. Trace mode = max hold.
9. Allow trace to fully stabilize.

5.5.4 Test Results

PASS

Please refer to Appendix G.4

Remark:

1. *Measured unwanted emission at difference data rate for each mode and recorded worst case for each mode;*
2. *Test results including cable loss;*
3. *Worst case data at 6Mbps at IEEE 802.11a; MCS0 at IEEE 802.11n HT20, IEEE 802.11n HT40, IEEE 802.11ac VHT20, IEEE 802.11ac VHT40 and IEEE 802.11ac VHT80;*
4. *E.I.R.P = Conducted power + Antenna Gain;*
5. *EIRP calculation. A value representative of an upper bound on out-of-band antenna gain (in dBi) shall be added to the measured antenna-port conducted emission power to compute EIRP within the specified measurement bandwidth. (For emissions in the restricted bands, additional calculations are required to convert EIRP to field strength at the specified distance.) The upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands or 2 dBi, whichever is greater.3 However, for devices that operate in multiple bands using the same transmit antenna, the highest gain of the antenna within the operating band nearest to the out-of-band frequency being measured may be used in lieu of the overall highest gain when measuring emissions at frequencies within 20% of the absolute frequency at the nearest edge of that band, but in no case shall a value less than 2 dBi be selected;*
6. *Over limit = EIRP – Limit;*

5.6. Frequency Stability

5.6.1 Standard Applicable

According to FCC §15.407(g) “Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.”

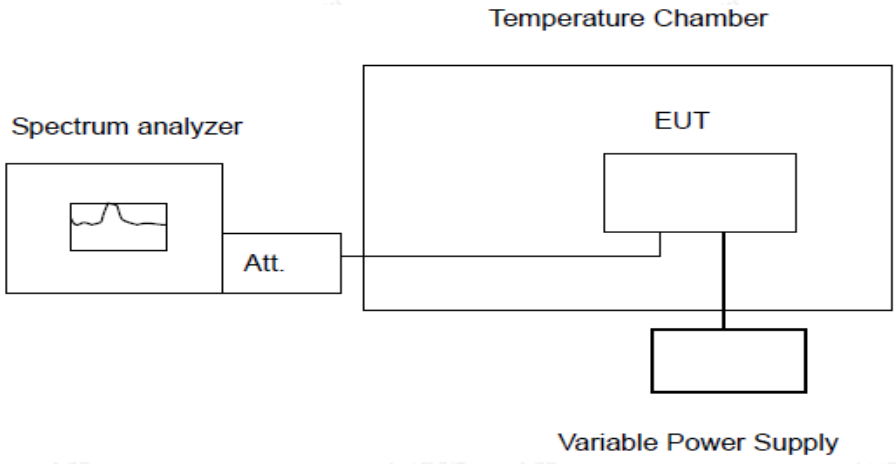
According to FCC §2.1055(a) “The frequency stability shall be measured with variation of ambient temperature as follows:”

(1) From −30° to + 50° centigrade for all equipment except that specified in paragraphs (a) (2) and (3) of this section.

(2) From −20° to + 50° centigrade for equipment to be licensed for use in the Maritime Services under part 80 of this chapter, except for Class A, B, and S Emergency Position Indicating Radiobeacons (EPIRBS), and equipment to be licensed for use above 952 MHz at operational fixed stations in all services, stations in the Local Television Transmission Service and Point-to-Point Microwave Radio Service under part 21 of this chapter, equipment licensed for use aboard aircraft in the Aviation Services under part 87 of this chapter, and equipment authorized for use in the Family Radio Service under part 95 of this chapter.

(3) From 0° to + 50° centigrade for equipment to be licensed for use in the Radio Broadcast Services under part 73 of this chapter.

5.6.2 Test Configuration



5.6.3 Test Procedure

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum anzlyer via feed through attenators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low engouh to obtain the desired frequency resoluation and measure EUT 20 degree operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30 degree. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure wuth 10 degree increased per stage until the highest temperature of +50 degree reached.

5.6.4 Test Results

PASS

Please refer to Appendix G.5

5.7. On Time and Duty Cycle

5.7.1. Standard Applicable

None; for reporting purpose only.

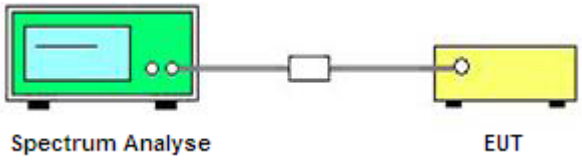
5.7.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of the spectrum analyzer.

5.7.3. Test Procedures

1. Set the Centre frequency of the spectrum analyzer to the transmitting frequency;
2. Set the span=0MHz, RBW=8MHz, VBW=8.0MHz, Sweep time=Auto;
3. Detector = peak;
4. Trace mode = Single hold.

5.7.4. Test Setup Layout



5.7.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.7.6. Test result

For reporting purpose only.

Please refer to Appendix G.6

5.8. Radiated Emissions Measurement

5.8.1. Standard Applicable

15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
\1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293.	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(\2\)
13.36-13.41			

\1\ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.
\2\ Above 38.6

For transmitters operating in the 5.725-5.85 GHz band:

All emissions shall be limited to a level of −27 dBm/MHz(68.2dBuV/m at 3m) at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz(105.2dBuV/m at 3m) at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6(110.8dBuV/m at 3m) dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz(122.2dBuV/m at 3m) at the band edge.

In addition, In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

5.8.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average
RB / VB (Emission in non-restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB/VB 200Hz/1KHz for QP/AVG
Start ~ Stop Frequency	150kHz~30MHz / RB/VB 9kHz/30KHz for QP/AVG
Start ~ Stop Frequency	30MHz~1000MHz / RB/VB 120kHz/1MHz for QP

5.8.3. Test Procedures

1) Sequence of testing 9 kHz to 30 MHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions.

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna height is 1.0 meter.

--- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

--- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).

--- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

2) Sequence of testing 30 MHz to 1 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height changes from 1 to 3 meter.

--- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter.

--- The final measurement will be done with QP detector with an EMI receiver.

--- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

3) Sequence of testing 1 GHz to 18 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height scan range is 1 meter to 2.5 meter.

--- At each turntable position and antenna polarization the analyzer sweeps with peak detection to find the maximum of all emissions.

Final measurement:

--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter. This procedure is repeated for both antenna polarizations.

--- The final measurement will be done in the position (turntable, EUT-table and antenna polarization) causing the highest emissions with Peak and Average detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, EUT-table position, antenna polarization, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

4) Sequence of testing above 18 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 1.5 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 1 meter.

--- The EUT was set into operation.

Premeasurement:

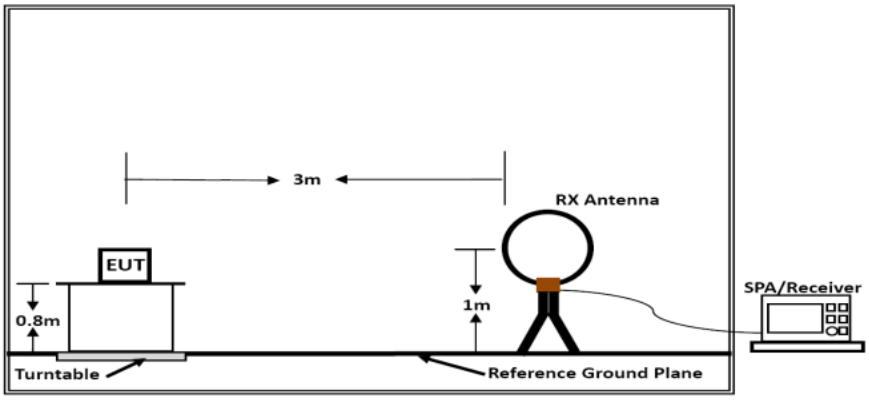
--- The antenna is moved spherical over the EUT in different polarizations of the antenna.

Final measurement:

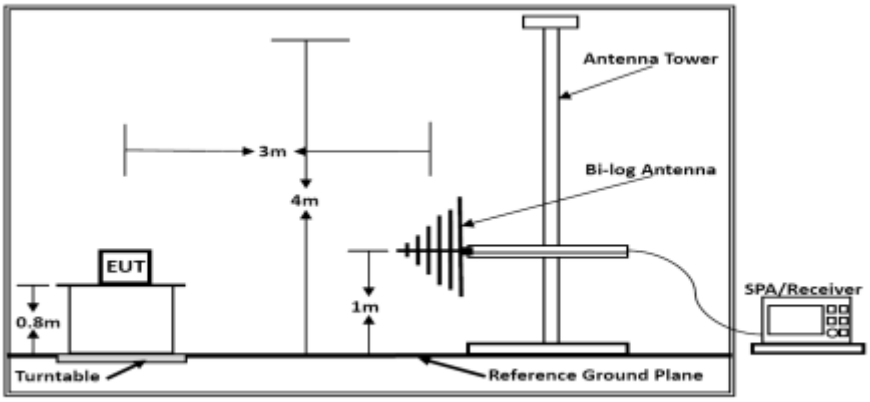
--- The final measurement will be performed at the position and antenna orientation for all detected emissions that were found during the premeasurements with Peak and Average detector.

--- The final levels, frequency, measuring time, bandwidth, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

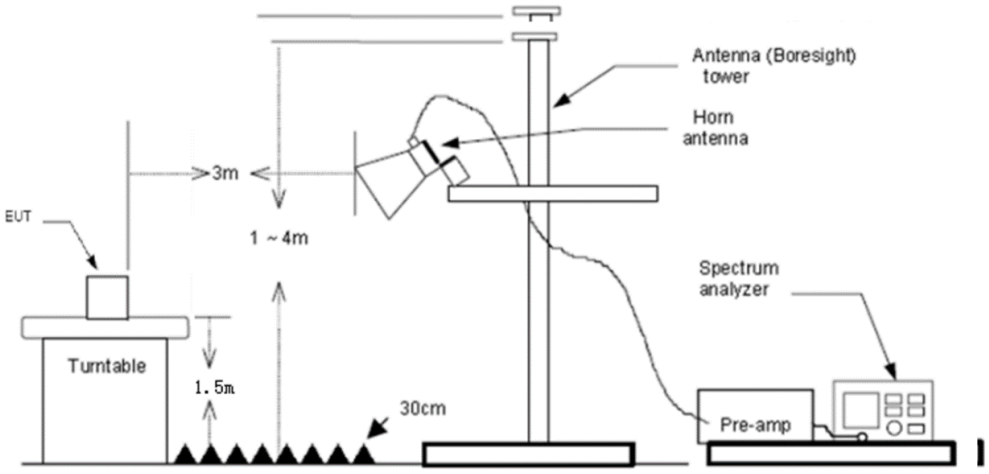
5.8.4. Test Setup Layout



Below 30MHz



Below 1GHz



Above 18 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1m.

5.8.5. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

5.8.6. Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS (dBuV/m) = RA (dBuV) + AF (dB/m) + CL (dB) – AG (dB)

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

5.8.7. Results of Radiated Emissions (9 KHz~30 MHz)

Temperature	23.8℃	Humidity	52.1%
Test Engineer	Paddi Chen	Configurations	IEEE 802.11a/n/ac

Freq. (MHz)	Level (dBuV)	Over Limit (dB)	Over Limit (dB)	Remark
-	-	-	-	See Note

Note:

The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor = 40 log (specific distance / test distance) (dB);
Limit line = specific limits (dBuV) + distance extrapolation factor.

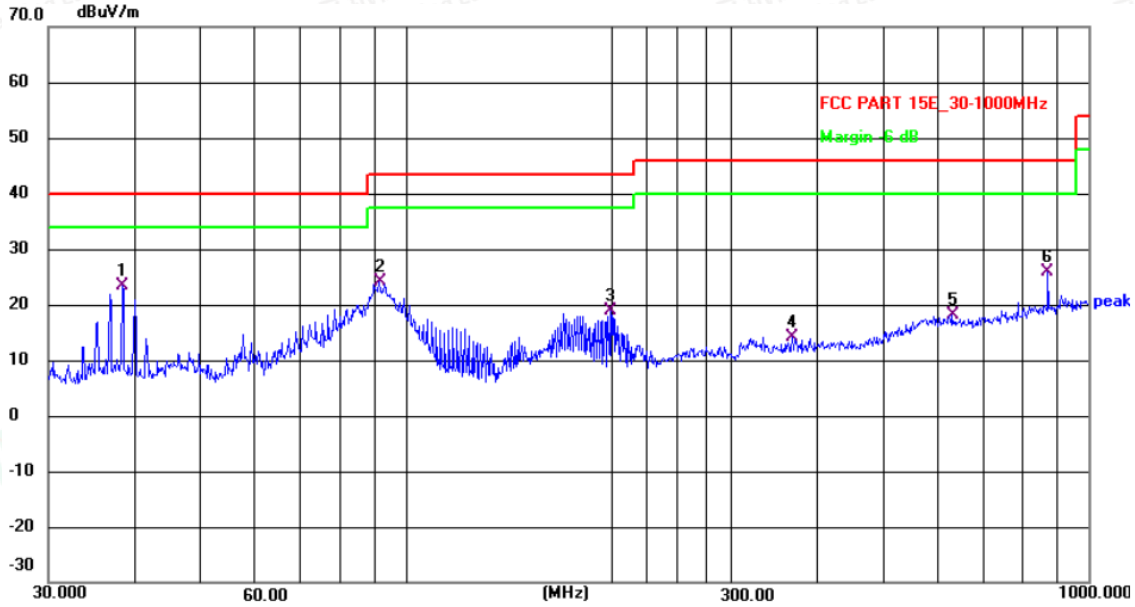
5.8.9. Results of Radiated Emissions (30 MHz~1 GHz)

Temperature	23.8℃	Humidity	52.1%
Test Engineer	Paddi Chen	Configurations	IEEE 802.11a/n/ac

PASS.

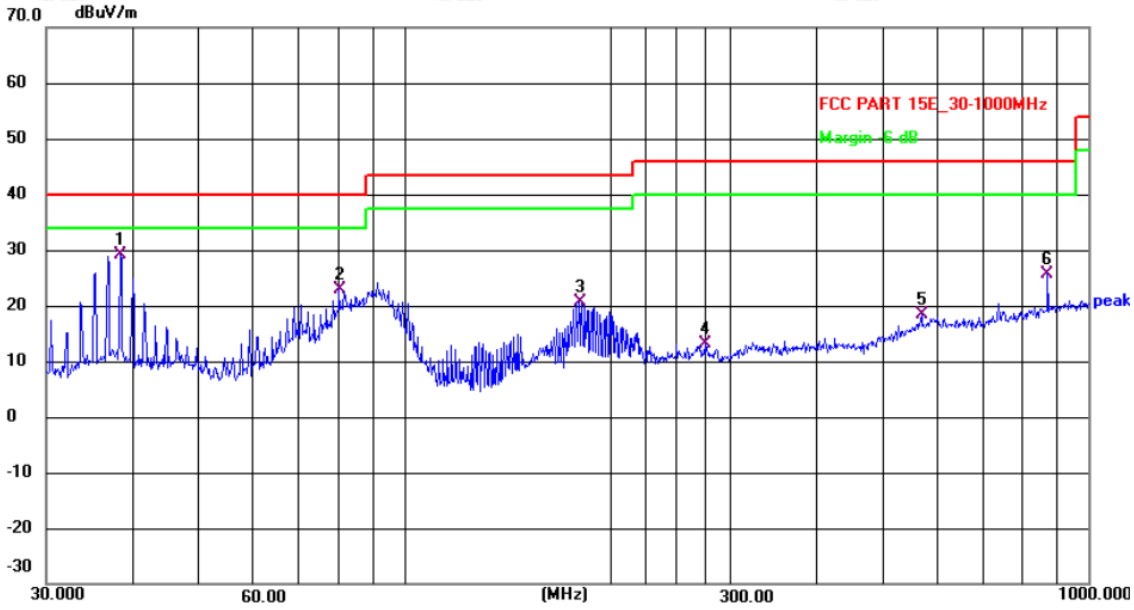
The test data please refer to following page.

Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.4809	40.61	-17.13	23.48	40.00	-16.52	QP
2	91.4949	43.37	-19.27	24.10	43.50	-19.40	QP
3	199.2855	37.55	-18.58	18.97	43.50	-24.53	QP
4	368.1116	28.04	-13.82	14.22	46.00	-31.78	QP
5	631.6884	28.45	-10.34	18.11	46.00	-27.89	QP
6	872.1832	34.08	-8.28	25.80	46.00	-20.20	QP

Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.4809	46.85	-17.62	29.23	40.00	-10.77	QP
2	80.3619	42.65	-19.84	22.81	40.00	-17.19	QP
3	180.0165	39.32	-18.68	20.64	43.50	-22.86	QP
4	275.1570	28.40	-15.36	13.04	46.00	-32.96	QP
5	570.6100	29.34	-11.03	18.31	46.00	-27.69	QP
6	872.1832	34.27	-8.72	25.55	46.00	-20.45	QP

Note:

1). Pre-scan all modes and recorded the worst case results in this report IEEE 802.11a mode (Middle Channel)
2). Emission level (dBuV/m) = 20 log Emission level (uV/m).
3). Level = Reading + Factor, Margin = Level – Limit, Factor = Antenna Factor + Cable Loss - Preamp Factor

5.8.10. Results for Radiated Emissions (1 – 40 GHz)

Note: All the modes have been tested and recorded worst mode in the report.

IEEE 802.11a

Channel 149 / 5745 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.235	49.81	33.21	35.82	9.52	56.72	68.20	-11.48	Peak	Horizontal
17.235	37.26	33.21	35.82	9.52	44.17	54.00	-9.83	Average	Horizontal
17.235	40.59	32.82	35.82	9.52	47.11	68.20	-21.09	Peak	Vertical
17.235	31.84	32.82	35.82	9.52	38.36	54.00	-15.64	Average	Vertical

Channel 157 / 5785 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.355	40.52	33.21	35.82	9.52	47.43	68.20	-20.77	Peak	Horizontal
17.355	28.95	33.21	35.82	9.52	35.86	54.00	-18.14	Average	Horizontal
17.355	43.34	32.82	35.82	9.52	49.86	68.20	-18.34	Peak	Vertical
17.355	32.70	32.82	35.82	9.52	39.22	54.00	-14.78	Average	Vertical

Channel 163 / 5825 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.475	46.41	33.21	35.82	9.52	53.32	68.20	-14.88	Peak	Horizontal
17.475	28.55	33.21	35.82	9.52	35.46	54.00	-18.54	Average	Horizontal
17.475	41.67	32.82	35.82	9.52	48.19	68.20	-20.01	Peak	Vertical
17.475	34.31	32.82	35.82	9.52	40.83	54.00	-13.17	Average	Vertical

IEEE 802.11n HT20

Channel 149 / 5745 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.235	48.45	33.21	35.82	9.52	55.36	68.20	-12.84	Peak	Horizontal
17.235	31.17	33.21	35.82	9.52	38.08	54.00	-15.92	Average	Horizontal
17.235	44.04	32.82	35.82	9.52	50.56	68.20	-17.64	Peak	Vertical
17.235	38.77	32.82	35.82	9.52	45.29	54.00	-8.71	Average	Vertical

Channel 157 / 5785 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.355	43.80	33.21	35.82	9.52	50.71	68.20	-17.49	Peak	Horizontal
17.355	37.70	33.21	35.82	9.52	44.61	54.00	-9.39	Average	Horizontal
17.355	49.29	32.82	35.82	9.52	55.81	68.20	-12.39	Peak	Vertical
17.355	29.18	32.82	35.82	9.52	35.70	54.00	-18.30	Average	Vertical

Channel 163 / 5825 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.475	44.27	33.21	35.82	9.52	51.18	68.20	-17.02	Peak	Horizontal
17.475	37.40	33.21	35.82	9.52	44.31	54.00	-9.69	Average	Horizontal
17.475	43.47	32.82	35.82	9.52	49.99	68.20	-18.21	Peak	Vertical
17.475	35.91	32.82	35.82	9.52	42.43	54.00	-11.57	Average	Vertical

IEEE 802.11ac VHT20

Channel 149 / 5745 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.235	44.46	33.21	35.82	9.52	51.37	68.20	-16.83	Peak	Horizontal
17.235	34.68	33.21	35.82	9.52	41.59	54.00	-12.41	Average	Horizontal
17.235	47.62	32.82	35.82	9.52	54.14	68.20	-14.06	Peak	Vertical
17.235	28.63	32.82	35.82	9.52	35.15	54.00	-18.85	Average	Vertical

Channel 157 / 5785 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.355	50.66	33.21	35.82	9.52	57.57	68.20	-10.63	Peak	Horizontal
17.355	38.13	33.21	35.82	9.52	45.04	54.00	-8.96	Average	Horizontal
17.355	45.55	32.82	35.82	9.52	52.07	68.20	-16.13	Peak	Vertical
17.355	32.56	32.82	35.82	9.52	39.08	54.00	-14.92	Average	Vertical

Channel 163 / 5825 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.475	41.35	33.21	35.82	9.52	48.26	68.20	-19.94	Peak	Horizontal
17.475	36.83	33.21	35.82	9.52	43.74	54.00	-10.26	Average	Horizontal
17.475	47.49	32.82	35.82	9.52	54.01	68.20	-14.19	Peak	Vertical
17.475	33.72	32.82	35.82	9.52	40.24	54.00	-13.76	Average	Vertical

IEEE 802.11n HT40

Channel 151 / 5755 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.265	44.78	33.21	35.82	9.52	51.69	68.20	-16.51	Peak	Horizontal
17.265	37.39	33.21	35.82	9.52	44.30	54.00	-9.70	Average	Horizontal
17.265	45.12	32.82	35.82	9.52	51.64	68.20	-16.56	Peak	Vertical
17.265	28.91	32.82	35.82	9.52	35.43	54.00	-18.57	Average	Vertical

Channel 159 / 5795 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.385	41.62	33.21	35.82	9.52	48.53	68.20	-19.67	Peak	Horizontal
17.385	32.70	33.21	35.82	9.52	39.61	54.00	-14.39	Average	Horizontal
17.385	40.07	32.82	35.82	9.52	46.59	68.20	-21.61	Peak	Vertical
17.385	32.30	32.82	35.82	9.52	38.82	54.00	-15.18	Average	Vertical

IEEE 802.11ac VHT40

Channel 151 / 5755 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.265	46.72	33.21	35.82	9.52	53.63	68.20	-14.57	Peak	Horizontal
17.265	38.87	33.21	35.82	9.52	45.78	54.00	-8.22	Average	Horizontal
17.265	42.02	32.82	35.82	9.52	48.54	68.20	-19.66	Peak	Vertical
17.265	37.25	32.82	35.82	9.52	43.77	54.00	-10.23	Average	Vertical

Channel 159 / 5795 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol/Phase
17.385	45.43	33.21	35.82	9.52	52.34	68.20	-15.86	Peak	Horizontal
17.385	37.05	33.21	35.82	9.52	43.96	54.00	-10.04	Average	Horizontal
17.385	40.71	32.82	35.82	9.52	47.23	68.20	-20.97	Peak	Vertical
17.385	29.70	32.82	35.82	9.52	36.22	54.00	-17.78	Average	Vertical

IEEE 802.11ac VHT80

Channel 155 / 5775 MHz

Freq GHz	Read Level dBuV	Ant. Fac dB/m	Pre. Fac dB	Cab.Los dB	Measured Level dBuV	Limit Line dBuV/m	Over limit dB	Remark	Pol
17.325	41.02	33.21	35.82	9.52	47.93	68.20	-20.27	Peak	Horizontal
17.325	29.24	33.21	35.82	9.52	36.15	54.00	-17.85	Average	Horizontal
17.325	47.62	32.82	35.82	9.52	54.14	68.20	-14.06	Peak	Vertical
17.325	36.65	32.82	35.82	9.52	43.17	54.00	-10.83	Average	Vertical

Notes:

1). Measuring frequencies from 9 KHz ~ 40 GHz, at least have 20dB margin found between lowest internal used/generated frequency to 30MHz.
2). Radiated emissions measured in frequency range from 9 KHz ~ 40 GHz were made with an instrument using Peak detector mode.
3). 18~40GHz at least have 20dB margin. No recording in the test report.
4). Worst case data at 6Mbps at IEEE 802.11a; MCS0 at IEEE 802.11n HT20; IEEE 802.11n HT40; IEEE 802.11ac VHT20; IEEE 802.11ac VHT40; IEEE 802.11ac VHT80.
5). Data of measurement within this frequency range shown "---" in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
6). Measured Level = Reading Level + Factor, Over = Measured Level – Limit, Factor = Antenna Factor + Cable Loss - Preamp Factor.

5.9. Power Line Conducted Emissions

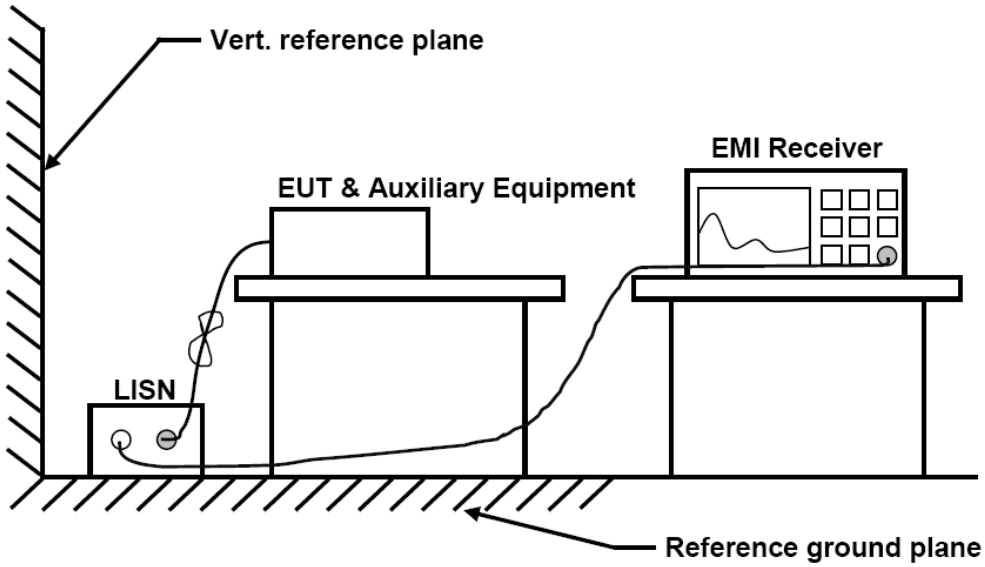
5.9.1 Standard Applicable

According to §15.207 (a): For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range are listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

* Decreasing linearly with the logarithm of the frequency

5.9.2 Block Diagram of Test Setup



5.9.3 Disturbance Calculation

The AC mains conducted disturbance is calculated by adding the 10dB Pulse Limiter and Cable Factor and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

CD (dBuV) = RA (dBuV) + PL (dB) + CL (dB)

Where CD = Conducted Disturbance	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	PL = 10 dB Pulse Limiter Factor

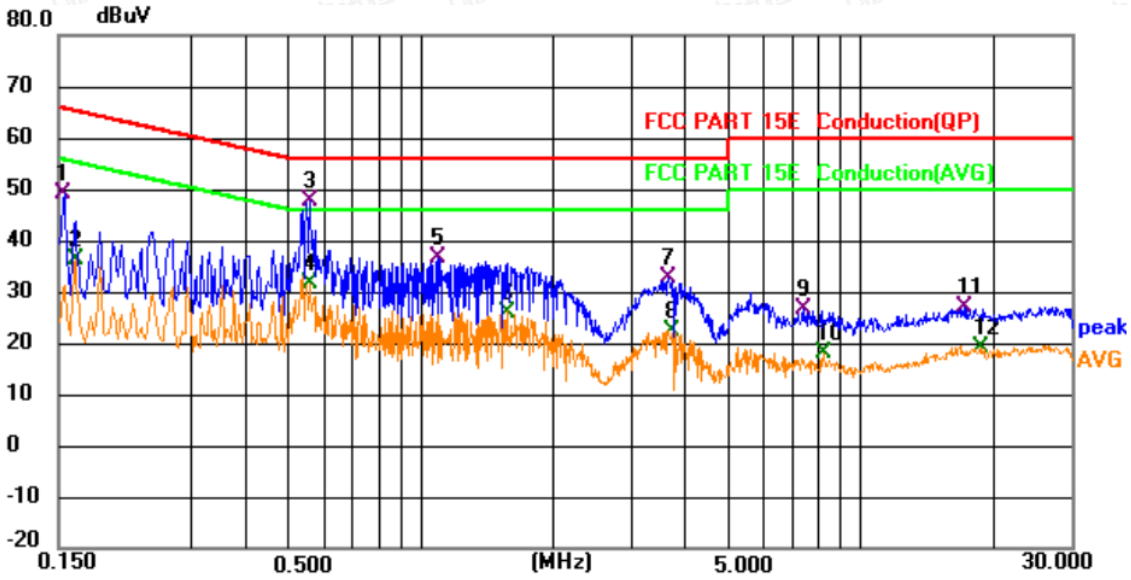
5.9.4 Test Results

Temperature	22.5℃	Humidity	53.7%
Test Engineer	Paddi Chen	Configurations	IEEE 802.11a/n/ac

PASS.

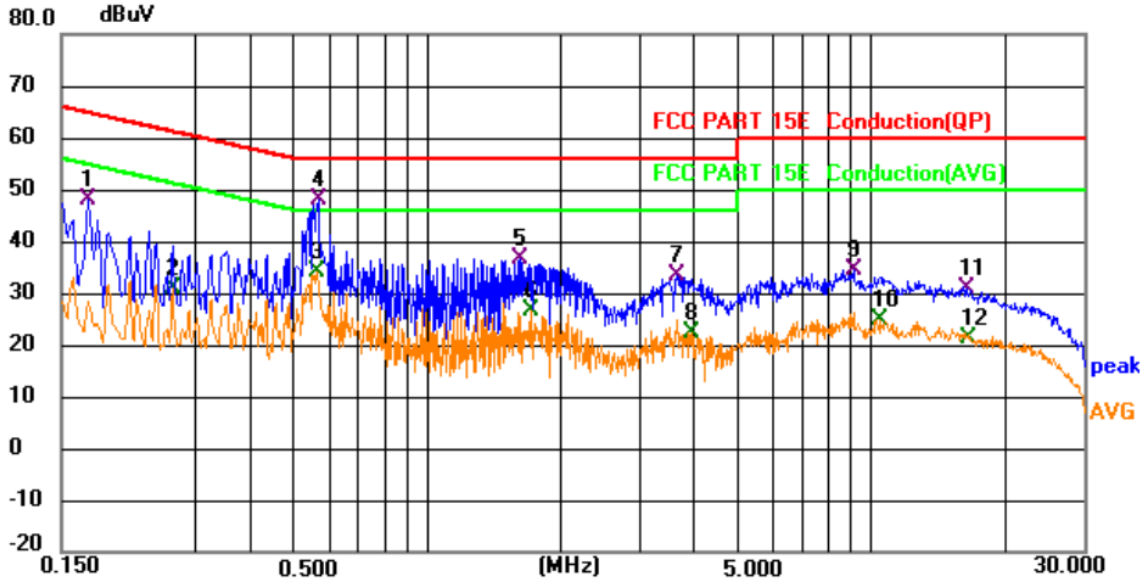
The test data please refer to following page.

Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.154	29.40	19.87	49.27	65.79	-16.52	QP	
2		0.164	16.29	19.82	36.11	55.26	-19.15	AVG	
3	*	0.559	27.97	19.65	47.62	56.00	-8.38	QP	
4		0.559	12.09	19.65	31.74	46.00	-14.26	AVG	
5		1.099	17.36	19.13	36.49	56.00	-19.51	QP	
6		1.572	7.04	19.03	26.07	46.00	-19.93	AVG	
7		3.642	13.43	19.19	32.62	56.00	-23.38	QP	
8		3.714	3.31	19.19	22.50	46.00	-23.50	AVG	
9		7.444	6.96	19.51	26.47	60.00	-33.53	QP	
10		8.214	-1.69	19.70	18.01	50.00	-31.99	AVG	
11		17.146	7.52	19.58	27.10	60.00	-32.90	QP	
12		18.659	-0.30	19.30	19.00	50.00	-31.00	AVG	

Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.172	28.30	19.67	47.97	64.86	-16.89	QP	
2		0.267	10.99	19.78	30.77	51.21	-20.44	AVG	
3		0.564	14.51	19.42	33.93	46.00	-12.07	AVG	
4	*	0.569	28.62	19.43	48.05	56.00	-7.95	QP	
5		1.617	17.68	19.01	36.69	56.00	-19.31	QP	
6		1.725	7.65	19.05	26.70	46.00	-19.30	AVG	
7		3.655	14.27	18.98	33.25	56.00	-22.75	QP	
8		3.934	3.27	18.99	22.26	46.00	-23.74	AVG	
9		9.141	14.71	19.71	34.42	60.00	-25.58	QP	
10		10.482	5.38	19.55	24.93	50.00	-25.07	AVG	
11		16.319	11.38	19.56	30.94	60.00	-29.06	QP	
12		16.535	1.63	19.52	21.15	50.00	-28.85	AVG	

****Note: Pre-scan all modes and recorded the worst case results in this report IEEE 802.11a mode (Middle Channel)*
Measurement = Reading + Correct, Margin = Measurement – Limit,
Correct Factor=Lisn Factor+Cable Factor+Insertion loss of Pulse Limiter.

5.10. Antenna Requirements

5.10.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited

And according to FCC 47 CFR Section 15.407 (a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

5.10.2 Antenna Connected Construction

5.10.2.1. Standard Applicable

According to § 15.203 & RSS-Gen, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

5.10.2.2. Antenna Connector Construction

The gains of antenna used for transmitting is 0.65dBi(Max), and the antenna is PIFA Antenna connect to PCB board and no consideration of replacement. Please see EUT photo for details, meet 15.203 & RSS-Gen antenna requirement.

6. LIST OF MEASURING EQUIPMENTS

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2024-06-06	2025-06-05
2	Power Sensor	R&S	NRV-Z81	100458	2024-06-06	2025-06-05
3	Power Sensor	R&S	NRV-Z32	10057	2024-06-06	2025-06-05
4	Test Software	Tonscend	JS1120-2	/	N/A	N/A
5	RF Control Unit	Tonscend	JS0806-2	N/A	2024-11-08	2025-11-07
6	MXA Signal Analyzer	Agilent	N9020A	MY50510140	2024-10-08	2025-10-07
7	DC Power Supply	Agilent	E3642A	N/A	2024-10-08	2025-10-07
8	EMI Test Software	AUDIX	E3	/	N/A	N/A
9	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2024-06-06	2025-06-05
10	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
11	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2024-07-13	2027-07-12
12	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2024-08-03	2027-08-02
13	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2024-07-13	2027-07-12
14	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2024-07-13	2027-07-12
15	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2024-07-30	2025-07-29
16	EMI Test Receiver	R&S	ESR 7	101181	2024-06-06	2025-06-05
17	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2024-06-06	2025-06-05
18	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2024-10-08	2025-10-07
19	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2024-10-08	2025-10-07
20	6dB Attenuator	/	100W/6dB	1172040	2024-06-06	2025-06-05
21	3dB Attenuator	/	2N-3dB	/	2024-10-08	2025-10-07
22	EMI Test Receiver	R&S	ESPI	101940	2024-06-06	2025-06-05
23	Artificial Mains	R&S	ENV216	101288	2024-06-06	2025-06-05
24	10dB Attenuator	SCHWARZBECK	MTS-IMP-136	261115-001-0032	2024-06-06	2025-06-05
25	EMI Test Software	Farad	EZ	/	N/A	N/A
26	Antenna Mast	Max-Full	MFA-515BSN	1308572	N/A	N/A
27	Pulse Limiter	R&S	ESH3-Z2	102750-NB	2024-06-06	2025-06-05

7. TEST SETUP PHOTOGRAPHS OF EUT

Please refer to separated files for Test Setup Photos of the EUT.

8. EXTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

9. INTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

----------THE END OF REPORT----------

FCC TEST REPORT

FOR

Lunar Industries inc.

Smart Phone

Test Model: BraX3

Prepared for	:	Lunar Industries inc.
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel	:	(+86)755-82591330
Fax	:	(+86)755-82591332
Web	:	www.LCS-cert.com
Mail	:	webmaster@LCS-cert.com
Date of receipt of test sample	:	February 26, 2025
Number of tested samples	:	2
Sample No.	:	A250303080-1, A250303080-2
Serial number	:	Prototype
Date of Test	:	February 26, 2025 ~ March 25, 2025
Date of Report	:	March 26, 2025

FCC TEST REPORT
FCC Part 22 /Part 24

Report Reference No. ..... :	**LCSA11204234EI**
FCC ID. ..... :	**2BN26-BRAX3**
Date of Issue. ..... :	**March 26, 2025**
Testing Laboratory Name .....:	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address.....:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Applicant's name.....:	**Lunar Industries inc.**
Address.....:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Test specification ..... **:**	
Standard .....:	**FCC Part 22: Public Mobile Services** **FCC Part 24: Personal Communication Services**
Test Report Form No .....:	TRF-4-E-151 A/0
TRF Originator.....:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF.....:	Dated 2011-03

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Test item description ..... :	**Smart Phone**
Trade Mark .....:	Brax
Test Model.....:	BraX3
Ratings.....:	Please Refer to Page 7
Frequency.....	GSM 850MHz; PCS 1900MHz
Result.....:	**PASS**

Compiled by:	**Supervised by:**	**Approved by:**
Jack Liu/Administrator	Cary Luo/ Technique principal	Gavin Liang/ Manager

TEST REPORT

Test Report No. : LCSA11204234EI	March 26, 2025 Date of issue

Test Model.....	: BraX3
EUT.....	: Smart Phone
Applicant.....	**: Lunar Industries inc.**
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Manufacturer.....	**: Lunar Industries inc.**
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Factory.....	**: Sichuan koobee communication equipment Co., Ltd.**
Address.....	: Building 2, No.69, West of gangyuan Road, Lingang economic and technological development zone, Yibin City, Sichuan Province, P.R.China
Telephone.....	: /
Fax.....	: /

Test Result:	**PASS**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revison History

Report Version	Issue Date	Revision Content	Revised By
000	March 26, 2025	Initial Issue	---

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1 TEST STANDARDS

The tests were performed according to following standards:

FCC Part 22 (10-1-16 Edition): Cellular Radiotelephone Service.
FCC Part 24(10-1-16 Edition): Broadband PCS.
ANSI/TIA-603-E-2016: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.
47 CFR FCC Part 15 Subpart B: Unintentional Radiators.
FCC Part 2: Frequency Allocations And Radio Treaty Matters: General Rules And Regulations.
ANSI C63.4:2014: Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.
ANSI C63.26-2015: Compliance Testing of Transmitters Used in Licensed Radio Services.
FCC KDB971168 D01 Power Meas License Digital Systems v03r01.

2 SUMMARY

2.1 Product Description

The **Lunar Industries inc.**'s Model: BraX3 or the "EUT" as referred to in this report; more general information as follows, for more details, refer to the user's manual of the EUT.

EUT	: Smart Phone
Test Model	: BraX3
Ratings	: Input:5V⎓2A DC 3.87V by Rechargeable Li-ion Battery, 4900mAh
Hardware Version	: KE115S_01
Software Version	: V600.BX3.25032025.16.19.AD
Bluetooth	:
Frequency Range	: 2402MHz~2480MHz
Channel Number	: 79 channels for Bluetooth V5.2 (DSS) 40 channels for Bluetooth V5.2 (DTS)
Channel Spacing	: 1MHz for Bluetooth V5.2 (DSS) 2MHz for Bluetooth V5.2 (DTS)
Modulation Type	: GFSK, π/4-DQPSK, 8-DPSK for Bluetooth V5.2 (DSS) GFSK for Bluetooth V5.2 (DTS)
Bluetooth Version	: V5.2
Antenna Description	: PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(2.4G Band)	:
Frequency Range	: 2412MHz~2462MHz
Channel Spacing	: 5MHz
Channel Number	: 11 Channels for 20MHz bandwidth (2412~2462MHz) 7 Channels for 40MHz bandwidth (2422~2452MHz)
Modulation Type	: IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(5.2G Band)	:
Frequency Range	: 5180MHz~5240MHz
Channel Number	: 4 Channels for 20MHz bandwidth(5180MHz~5240MHz) 2 channels for 40MHz bandwidth(5190MHz~5230MHz) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.3G Band)	
Frequency Range	: 5260MHz~5320MHz
Channel Number	: 4 Channels for 20MHz bandwidth(5260MHz~5320MHz) 2 channels for 40MHz bandwidth(5270MHz~5310MHz) 1 channels for 80MHz bandwidth(5290MHz)
Modulation Type	: IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	: PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.5G Band)	:
Frequency Range	: 5500MHz~5700MHz

Channel Number	:	11 Channels for 20MHz bandwidth(5500MHz~5700MHz) 5 Channels for 40MHz bandwidth(5510MHz~5670MHz) 2 Channels for 80MHz bandwidth(5530MHz, 5610MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.8G Band)	:	
Frequency Range	:	5745MHz~5825MHz
Channel Number	:	5 channels for 20MHz bandwidth(5745MHz~5825MHz) 2 channels for 40MHz bandwidth(5755MHz~5795MHz) 1 channels for 80MHz bandwidth(5775MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5),0.65dBi(Max.)
2G	:	
Support Band	:	☒GSM 900 (EU-Band) ☒DCS 1800 (EU-Band) ☒GSM 850 (U.S.-Band) ☒PCS 1900 (U.S.-Band)
Release Version	:	R9
GPRS Class	:	Class 12
EGPRS Class	:	Class 12
Type Of Modulation	:	GMSK for GSM/GPRS; GMSK/8PSK for EGPRS
Antenna Description	:	GSM 850: -3.2 dBi(ANT0), -6.0 dBi(ANT3) PCS 1900: -0.8 dBi(ANT3), -2.0 dBi(ANT0)
3G	:	
Support Band	:	☒WCDMA Band I (EU-Band) ☒WCDMA Band II (U.S.-Band) ☒WCDMA Band IV (U.S.-Band) ☒WCDMA Band V (U.S.-Band) ☒WCDMA Band VIII (EU-Band)
Release Version	:	R9
Type Of Modulation	:	QPSK,16QAM
Antenna Description	:	PIFA Antenna WCDMA Band II -0.8 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band IV -1.45 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band V -3.2 dBi(ANT0), -6.0 dBi(ANT3)
LTE	:	
Support Band	:	☒E-UTRA Band 1(EU-Band) ☒E-UTRA Band 2(U.S.-Band) ☒E-UTRA Band 3(EU-Band) ☒E-UTRA Band 4(U.S.-Band) ☒E-UTRA Band 5(U.S.-Band) ☒E-UTRA Band 7(U.S.-Band) ☒E-UTRA Band 8(EU-Band) ☒E-UTRA Band 12(U.S.-Band) ☒E-UTRA Band 13(U.S.-Band) ☒E-UTRA Band 17(U.S.-Band) ☒E-UTRA Band 25(U.S.-Band) ☒E-UTRA Band 26(U.S.-Band) ☒E-UTRA Band 28(EU-Band)

		☒E-UTRA Band 38(U.S.-Band) ☒E-UTRA Band 40(EU-Band) ☒E-UTRA Band 41(U.S.-Band) ☒E-UTRA Band 42(EU-Band) ☒E-UTRA Band 66(U.S.-Band) ☒E-UTRA Band 71(U.S.-Band)
LTE Release Version	:	R15
Type Of Modulation	:	QPSK/16QAM
Antenna Description	:	PIFA Antenna For E-UTRA Band 2 -0.8 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 4 -1.45 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 5 -3.2 dBi(ANT0),-1.8 dBi(ANT3) For E-UTRA Band 7 -0.6 dBi(ANT3),-1.8 dBi(ANT0), -1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 12 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 13 -3.0 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 17 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 25 -0.75 dBi(ANT3), -2.0 dBi(ANT0) ,-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 26 -3.3 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 38 -0.6 dBi(ANT3),-1.1 dBi(ANT0),-1.8 dBi(ANT2), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 41 –0.6 dBi(ANT3), -1.1 dBi(ANT0),-1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 66 -0.78 dBi(ANT3), -2.0 dBi(ANT0),-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 71 -3.3 dBi(ANT0), -2.0 dBi(ANT3)
Power Class	:	Class 3
NR	:	
Operation Band	:	SA Band: n1: UL: 1920MHz~1980MHz, DL: 2110MHz~2170MHz n2: UL: 1850MHz~1910MHz, DL: 1930MHz~1990MHz n3: UL: 1710MHz~1785MHz, DL:1805MHz~1880MHz n5: UL: 824MHz~849MHz, DL:869MHz~894MHz n7: UL: 2500MHz~2570MHz, DL: 2620MHz~2690MHz n25: UL: 1850MHz~1915MHz, DL: 1930MHz~1995MHz n26: UL: 814MHz~849MHz, DL: 859MHz~894MHz n28: UL: 703MHz~748MHz, DL: 758MHz~803MHz n38: UL & DL: 2570MHz~2620MHz n40: UL & DL: 2300MHz~2400MHz n41: UL & DL: 2496MHz~2690MHz n66: UL: 1710MHz~1780MHz, DL: 2110MHz~2180MHz n71: UL: 663MHz~698MHz, DL: 617MHz~652MHz n77: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3980 MHz n78: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3800 MHz
Support Type	:	☒SA
Subcarrier Spacing	:	15KHz,30KHz
Modulation Type	:	DFT-BPSK, DFT-QPSK, DFT-16QAM, DFT-64QAM, DFT-256QAM CP-QPSK, CP-16QAM, CP-64QAM, CP-256QAM
SCS and	:	n2_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,35

Channel Bandwidths		MHz,40 MHz n5_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n7_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz,50MHz n25_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n26_SCS 15kHz(814~824MHz): 5 MHz,10 MHz n26_SCS 15kHz(824~849MHz): 5 MHz,10 MHz,15 MHz,20 MHz n38_SCS 30kHz:10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n41_SCS 30kHz: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz,90 MHz,100 MHz n66_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n71_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n77_SCS 30kHz: 20 MHz,50 MHz,100 MHz n78_SCS 30kHz: 20 MHz,50 MHz,100 MHz
Power Class	:	NR Band 2/5/7/25/26/38/41:PC3 NR Band 66/71/77/78: PC2
Antenna Description	:	PIFA Antenna NR Band n2: -0.8 dBi(ANT3), -6.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n5: -3.2 dBi(ANT0), -6.0 dBi(ANT3) NR Band n7: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n25: -0.75 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n26: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n38: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n41: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n66: -0.78 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n71: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n77: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7) NR Band n78: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7)
NFC	:	
Operating Frequency	:	13.56MHz
Modulation Type	:	ASK
Antenna Description	:	Internal Antenna
GPS Function	:	Support and only RX
FM Function	:	Support and only RX
Extreme temp. Tolerance	:	-30°C to +50°C
Extreme vol. Limits	:	3.3VDC to 4.45VDC (nominal: 3.87VDC)

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

2.2 Equipment under Test

Power supply system utilised

Power supply voltage	:	●	120V / 60 Hz	○	115V / 60Hz
		○	12 V DC	○	24 V DC
		○	Other (specified in blank below)		

Test frequency list

Test Mode	TX/RX	RF Channel		
		Low(L)	Middle (M)	High (H)
GSM850	TX	Channel 128	Channel 190	Channel 251
		824.2 MHz	836.6 MHz	848.8 MHz
	RX	Channel 128	Channel 190	Channel 251
		869.2 MHz	881.6 MHz	893.8 MHz
Test Mode	TX/RX	RF Channel		
		Low(L)	Middle (M)	High (H)
PCS1900	TX	Channel 512	Channel 661	Channel 810
		1850.2 MHz	1880.0 MHz	1909.8 MHz
	RX	Channel 512	Channel 661	Channel 810
		1930.2 MHz	1960.0 MHz	1989.8 MHz

2.3 Short description of the Equipment under Test (EUT)

2.3.1 General Description

Smart Phone is subscriber equipment in the BT/BLE/2.4GWIFI/5.2GWIFI/5.3GWIFI/5.5GWIFI /5.8GWIFI/GSM/WCDMA/LTE/NR system. GSM/GPRS/EGPRS frequency band is Band II/V. The HSPA/UMTS frequency band is Band II/IV/V. LTE frequency band is band 2/4/5/7/12/13/17/25/26/38/41/66/71. NR frequency band is band 2/5/7/25/26/38/41/66/71/77/78.The HSPA/UMTS frequency band II and Band IV and Band V test data included in this report. The Smart Phone implements such functions as RF signal receiving/transmitting, GSM/GPRS/EGPRS HSPA/UMTS/LTE/NR protocol processing, video MMS service and etc. Externally it provides SIM card interface.

2.4 Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN TIANYIN ELECTRONICS CO., LTD	Power Adapter	TPA-46050200UU	--	FCC

Note: Auxiliary equipment is provided by the laboratory.

2.5 External I/O Cable

I/O Port Description	Quantity	Cable
Type-C USB Port	1	N/A
Earphone Jack Port	1	N/A

2.6 Normal Accessory setting

Fully charged battery was used during the test.

2.7 Test Sample

The application provides 2 samples to meet requirement;

Sample Number	Description
Sample 1(A250303080-1)	Engineer sample – continuous transmit
Sample 2(A250303080-2)	Normal sample – Intermittent transmit

2.8 EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

- ● - supplied by the manufacturer
- ○ - supplied by the lab

○	Power Cable	Length (m) :	/
		Shield :	/
		Detachable :	/
○	Multimeter	Manufacturer :	/
		Model No. :	/

2.9 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for **FCC ID: 2BN26-BRAX3** filing to comply with FCC Part 22 and Part 24 Rules.

2.10 Modifications

No modifications were implemented to meet testing criteria.

2.11 General Test Conditions/Configurations

2.11.1 Test Modes

NOTE: The test mode(s) are selected according to relevant radio technology specifications.

Test Mode	Test Modes Description
GSM/TM1	GSM system, GSM, GMSK modulation
GSM/TM2	GSM system, GPRS, GMSK modulation
GSM/TM3	GSM system, EDGE, GMSK, 8PSK modulation

Note:

1. As GSM and GPRS with the same emission designator, test result recorded in this report at the worst case GSM/TM1 only after exploratory scan.

2.11.2 Test Environment

Environment Parameter	Selected Values During Tests	
Relative Humidity	Ambient	
Temperature	TN	Ambient
Voltage	VL	DC 3.3V
	VN	DC 3.87V
	VH	DC 4.45V

NOTE: VL=lower extreme test voltage VN=nominal voltage
VH=upper extreme test voltage TN=normal temperature

3 TEST ENVIRONMENT

3.1 Address of the test laboratory

Shenzhen LCS Compliance Testing Laboratory Ltd

101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
The sites are constructed in conformance with the requirements of ANSI C63.4 (2014) and CISPR Publication 22.

3.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Test Firm Registration Number: 254912

3.3 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15-35 ° C
Humidity:	30-60 %
Atmospheric pressure:	950-1050mbar

3.4 Test Description

3.4.1 Cellular Band (824-849MHz paired with 869-894MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Output Power	§2.1046, §22.913	FCC: ERP ≤ 7W.	Pass
Modulation Characteristics	§2.1047	Digital modulation	N/A
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Pass
Band Edges Compliance	§2.1051, §22.917	≤-13dBm/1%*EBW, in 1MHz bands immediately outside and adjacent to The frequency block.	Pass
Spurious Emission at Antenna Terminals	§2.1051, §22.917	≤ -13dBm/100kHz, from 9kHz to 10th harmonics but outside authorized operating frequency ranges.	Pass
Field Strength of Spurious Radiation	§2.1053, §22.917	≤ -13dBm/100kHz.	Pass
Frequency Stability	§2.1055, §22.355	≤ ±2.5ppm.	Pass
Peak-Average Ratio	§22.913	FCC:Limit≤13dB	N/A
Receiver Spurious Emissions	N/A	--	Pass
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”.			

3.4.2 PCS Band (1850-1910MHz paired with 1930-1990MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Output Power	§2.1046, §24.232	EIRP ≤ 2W	Pass
Peak-Average Ratio	§2.1046, §24.232	≤13dB	Pass
Modulation Characteristics	§2.1047	Digital modulation	N/A
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Pass
Band Edges Compliance	§2.1051, §24.238	≤ -13dBm/1%*EBW, In 1MHz bands immediately outside and adjacent to The frequency block.	Pass
Spurious Emission at Antenna Terminals	§2.1051, §24.238	≤-13dBm/1MHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	Pass
Field Strength of Spurious Radiation	§2.1053, §24.238	≤ -13dBm/1MHz.	Pass
Frequency Stability	§2.1055, §24.235	≤ ±2.5ppm.	Pass
Peak-Average Ratio	§24.232	FCC:Limit≤13dB	Pass
Receiver Spurious Emissions	N/A	--	Pass
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”.			

Remark: The measurement uncertainty is not included in the test result.

3.5 Equipments Used during the Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2024-06-06	2025-06-05
2	Power Sensor	R&S	NRV-Z81	100458	2024-06-06	2025-06-05
3	Power Sensor	R&S	NRV-Z32	10057	2024-06-06	2025-06-05
4	LTE Test Software	Tonscend	JS1120-1	N/A	N/A	N/A
5	RF Control Unit	Tonscend	JS0806-1	158060009	2024-11-08	2025-11-07
6	MXA Signal Analyzer	Agilent	N9020A	MY51250905	2024-10-08	2025-10-07
7	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW 500	103818	2024-06-06	2025-06-05
8	DC Power Supply	Agilent	E3642A	N/A	2024-10-08	2025-10-07
9	EMI Test Software	AUDIX	E3	/	N/A	N/A
10	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2024-06-06	2025-06-05
11	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
12	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2024-07-13	2027-07-12
13	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2024-08-03	2027-08-02
14	By-log Antenna	SCHWARZBECK	VULB9163	9163-471	2024-08-03	2027-08-02
15	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2024-07-13	2027-07-12
16	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1926	2024-07-13	2027-07-12
17	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2024-07-13	2027-07-12
18	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	792	2024-07-13	2027-07-12
19	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2024-07-30	2025-07-29
20	EMI Test Receiver	R&S	ESR 7	101181	2024-06-06	2025-06-05
21	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2024-06-06	2025-06-05
22	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2024-10-08	2025-10-07
23	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2024-10-08	2025-10-07
24	6dB Attenuator	/	100W/6dB	1172040	2024-06-06	2025-06-05
25	3dB Attenuator	/	2N-3dB	/	2024-10-08	2025-10-07
26	Temperature & Humidity Chamber	Baro	/	/	2024-06-12	2025-06-11
27	EMI Test Software	Farad	EZ	/	N/A	N/A
28	RADIO COMMUNICATION TESTER	R&S	CMU 200	105988	2024-06-06	2025-06-05
29	Antenna Mast	Max-Full	MFA-515BSN	1308572	N/A	N/A

3.6 Measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to ETSI TR 100 028 " Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics" and is documented in the Shenzhen LCS Compliance Testing Laboratory Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen LCS Compliance Testing Laboratory Ltd. is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	3.10 dB	(1)
Radiated Emission	1~18GHz	3.80 dB	(1)
Radiated Emission	18-40GHz	3.90 dB	(1)
Conducted Disturbance	0.15~30MHz	1.63 dB	(1)
Conducted Power	9KHz~18GHz	0.61 dB	(1)
Spurious RF Conducted Emission	9KHz~40GHz	1.22 dB	(1)
Band Edge Compliance of RF Emission	9KHz~40GHz	1.22 dB	(1)
Occuiped Bandwidth	9KHz~40GHz	-	(1)

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

4 TEST CONDITIONS AND RESULTS

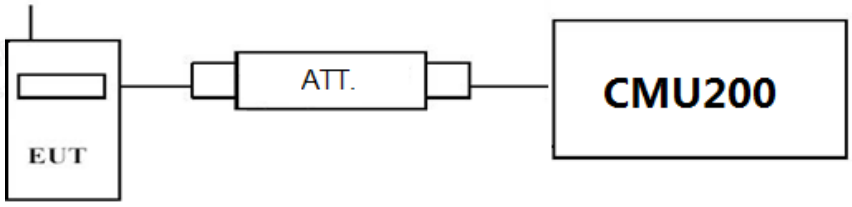
4.1 Output Power

TEST APPLICABLE

During the process of testing, the EUT was controlled via R&S Digital Radio Communication tester (CMU200) to ensure max power transmission and proper modulation. This result contains output power and EIRP measurements for the EUT. In all cases, output power is within the specified limits.

4.1.1 Conducted Output Power

TEST CONFIGURATION



TEST PROCEDURE

Conducted Power Measurement:

a) Place the EUT on a bench and set it in transmitting mode.
b) Connect a low loss RF cable from the antenna port to a CMU200 by an Att.
c) EUT Communicate with CMU200 then selects a channel for testing.
d) Add a correction factor to the display CMU200, and then test.

TEST RESULTS

GSM 850		Burst Average Conducted power (dBm)		
		Channel/Frequency(MHz)		
		128/824.2	190/836.6	251/848.8
GSM		32.65	32.70	32.64
GPRS (GMSK)	1TX slot	32.50	32.53	32.52
	2TX slot	30.99	31.00	30.96
	3TX slot	29.46	29.49	29.45
	4TX slot	27.96	28.01	27.97
EDGE (8PSK)	1TX slot	26.00	26.01	25.98
	2TX slot	24.47	24.50	24.45
	3TX slot	22.96	23.01	22.99
	4TX slot	21.49	21.48	21.48

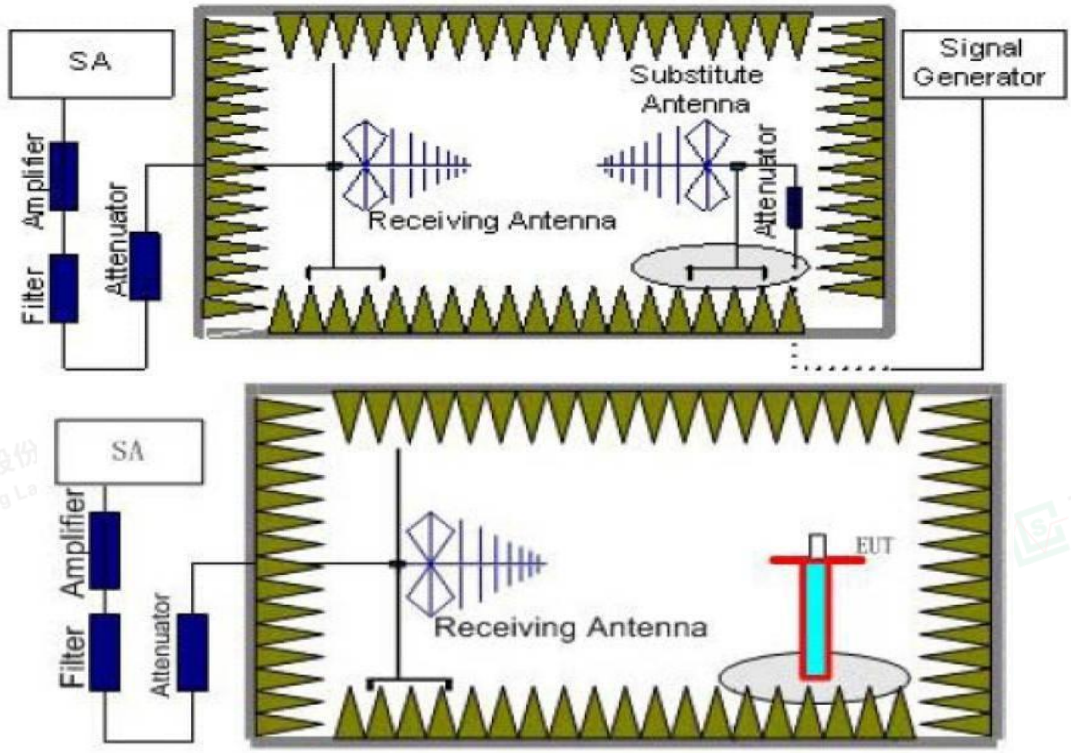
PCS 1900		Burst Average Conducted power (dBm)		
		Channel/Frequency(MHz)		
		512/1850.2	661/1880	810/1909.8
GSM		29.68	29.70	29.65
GPRS (GMSK)	1TX slot	29.50	29.55	29.49
	2TX slot	27.99	28.02	27.96
	3TX slot	26.49	26.47	26.46
	4TX slot	24.95	24.97	24.93
EDGE (8PSK)	1TX slot	25.49	25.53	25.44
	2TX slot	23.99	23.99	23.95
	3TX slot	22.46	22.51	22.45
	4TX slot	20.95	21.02	20.95

4.1.2 Radiated Output Power

TEST DESCRIPTION

This is the test for the maximum radiated power from the EUT.
Per rule Part 24.232(c) specifies, "Mobile/portable stations are limited to 2 watts e.i.r.p. Peak power" and 24.232(e) specifies that "Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage."
Per rule Part 22.913(a) specifies ” The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.”

TEST CONFIGURATION



TEST PROCEDURE

1. EUT was placed on a 1.50 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.50 m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
3. The EUT is then put into continuously transmitting mode at its maximum power level during the test.Set Test Receiver or Spectrum RBW=1MHz,VBW=3MHz, And the maximum value of the receiver should be recorded as (P_r).
4. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution

antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (P_{cl}) ,the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test.
   The measurement results are obtained as described below:
   Power(EIRP)=P_{Mea}+ P_{Ag} - P_{cl} + G_a
6. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
7. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP-2.15dBi.

TEST LIMIT

According to 22.913(a), 24.232(c) , the ERP should be not exceed following table limits:

GSM850(GPRS850,EDGE850)		
Function	Power Step	Burst Peak ERP (dBm)
GSM	5	FCC: ≤38.45dBm (7W)
GPRS	3	FCC: ≤38.45dBm (7W)
EDGE	8	FCC: ≤38.45dBm (7W)

PCS1900(GPRS1900,EDGE1900)		
Function	Power Step	Burst Peak EIRP (dBm)
GSM	0	≤33.01dBm (2W)
GPRS	3	≤33.01dBm (2W)
EDGE	2	≤33.01dBm (2W)

TEST RESULTS

Remark:

1. *We were tested all Configuration refer 3GPP TS151 010.*
2. *EIRP=P_{Mea}(dBm)-P_{cl}(dB)+P_{Ag}(dB)+G_a(dBi)*
3. *ERP = EIRP – 2.15dBi as EIRP by subtracting the gain of the dipole.*
4. *Margin = Emission Level - Limit*
5. *We tested the worst-case records for H and V directions, and only the worst-case records for V direction were recorded in the report.*

GSM/TM1/GSM850

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Burst Average ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
824.20	-7.05	3.45	8.45	2.15	33.79	**29.59**	38.45	-8.86	V
836.60	-7.06	3.49	8.45	2.15	33.85	**29.60**	38.45	-8.85	V
848.80	-6.97	3.55	8.36	2.15	33.88	**29.57**	38.45	-8.88	V

GSM/TM3/EDGE850

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Burst Average ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
824.20	-12.05	3.45	8.45	2.15	33.79	**24.59**	38.45	-13.86	V
836.60	-12.00	3.49	8.45	2.15	33.85	**24.66**	38.45	-13.79	V
848.80	-12.06	3.55	8.36	2.15	33.88	**24.48**	38.45	-13.97	V

GSM/TM1/PCS1900

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1850.20	-12.05	4.03	8.38	35.51	**27.81**	33.01	-5.20	V
1880.00	-12.03	4.08	8.33	35.56	**27.78**	33.01	-5.23	V
1909.80	-12.07	4.14	8.26	35.63	**27.68**	33.01	-5.33	V

GSM/TM3/EDGE1900

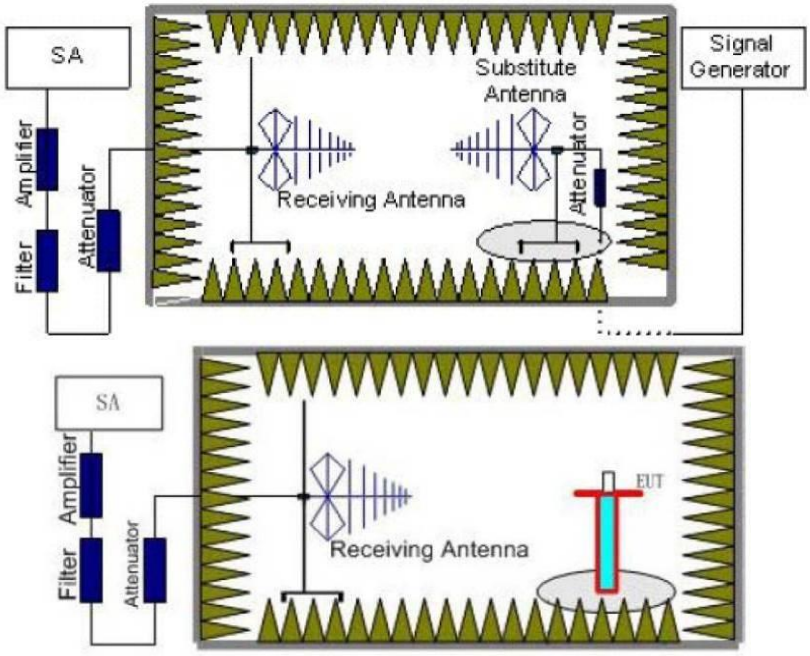
Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1850.20	-17.07	4.03	8.38	35.51	**22.79**	33.01	-10.22	V
1880.00	-16.98	4.08	8.33	35.56	**22.83**	33.01	-10.18	V
1909.80	-16.90	4.14	8.26	35.63	**22.85**	33.01	-10.16	V

4.2 Radiated Spurious Emssion

TEST APPLICABLE

According to the TIA/EIA 603D:2010 and FCC Part 2.1033 test method, The Receiver or Spectrum was scanned from lowest frequency frequency generated within the equipment to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier that can be as high as 1910 MHz. The resolution bandwidth is set as outlined in Part 24.238, Part 22.917, RSS-132 §5.5 and RSS-133 §6.5. The spectrum is scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of PCS1900 and GSM850.

TEST CONFIGURATION



TEST PROCEDURE

1. EUT was placed on a 1.50 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.50 m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
3. The EUT is then put into continuously transmitting mode at its maximum power level during the test.Set Test Receiver or Spectrum RBW=1MHz,VBW=3MHz, And the maximum value of the receiver should be recorded as (P_r).
4. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (P_{cl}) ,the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test.
   The measurement results are obtained as described below:
   Power(EIRP)=P_{Mea}+ P_{Ag} - P_{cl} + G_a
6. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
7. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP -2.15dBi.
8. In order to make sure test results more clearly,we set frequency range and sweep time for difference frequency range as follows table:

Working Frequency	Subrange (GHz)	RBW	VBW	Sweep time (s)
TM1/GSM 850	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~10	1 MHz	3 MHz	3
TM1/PCS 1900	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3
	11~14	1 MHz	3 MHz	3
	14~18	1 MHz	3 MHz	3
	18~20	1 MHz	3 MHz	2

TEST LIMITS

According to 24.238 and 22.917 specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The specification that emissions shall be attenuated below the transmitter power (P) by at least 43 + 10 log (P) dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

Frequency	Channel	Frequency Range	Verdict
TM1/GSM 850	Low	9KHz -10GHz	PASS
	Middle	9KHz -10GHz	PASS
	High	9KHz -10GHz	PASS
TM1/PCS 1900	Low	9KHz -20GHz	PASS
	Middle	9KHz -20GHz	PASS
	High	9KHz -20GHz	PASS

TEST RESULTS

Remark:
1. *We were tested all refer 3GPP TS151 010.*
2. *EIRP=P_{Mea}(dBm)-P_{cl}(dB) +G_a(dBi)*
3. *We were not recorded other points as values lower than limits.*
4. *Margin = EIRP - Limit*

GSM/TM1/GSM850_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1648.40	-43.49	3.86	3.00	8.56	-38.79	-13.00	-25.79	H
2472.60	-44.35	4.29	3.00	6.98	-41.66	-13.00	-28.66	H
1648.40	-39.68	3.86	3.00	8.56	-34.98	-13.00	-21.98	V
2472.60	-42.04	4.29	3.00	6.98	-39.35	-13.00	-26.35	V

GSM/TM1/GSM850_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.20	-41.58	3.9	3.00	8.58	-36.90	-13.00	-23.90	H
2509.80	-46.71	4.32	3.00	6.8	-44.23	-13.00	-31.23	H
1673.20	-37.31	3.9	3.00	8.58	-32.63	-13.00	-19.63	V
2509.80	-42.97	4.32	3.00	6.8	-40.49	-13.00	-27.49	V

GSM/TM1/GSM850_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1697.60	-47.21	3.91	3.00	9.06	-42.06	-13.00	-29.06	H
2546.40	-49.47	4.32	3.00	6.65	-47.14	-13.00	-34.14	H
1697.60	-43.19	3.91	3.00	9.06	-38.04	-13.00	-25.04	V
2546.40	-44.68	4.32	3.00	6.65	-42.35	-13.00	-29.35	V

GSM/TM3/EDGE850_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1648.40	-45.25	3.86	3.00	8.56	-40.55	-13.00	-27.55	H
2472.60	-46.66	4.29	3.00	6.98	-43.97	-13.00	-30.97	H
1648.40	-42.06	3.86	3.00	8.56	-37.36	-13.00	-24.36	V
2472.60	-43.75	4.29	3.00	6.98	-41.06	-13.00	-28.06	V

GSM/TM3/EDGE850_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.20	-44.16	3.9	3.00	8.58	-39.48	-13.00	-26.48	H
2509.80	-48.21	4.32	3.00	6.8	-45.73	-13.00	-32.73	H
1673.20	-39.31	3.9	3.00	8.58	-34.63	-13.00	-21.63	V
2509.80	-44.92	4.32	3.00	6.8	-42.44	-13.00	-29.44	V

GSM/TM3/EDGE850_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1697.60	-48.58	3.91	3.00	9.06	-43.43	-13.00	-30.43	H
2546.40	-51.23	4.32	3.00	6.65	-48.90	-13.00	-35.90	H
1697.60	-44.96	3.91	3.00	9.06	-39.81	-13.00	-26.81	V
2546.40	-47.16	4.32	3.00	6.65	-44.83	-13.00	-31.83	V

GSM/TM1/PCS1900_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3700.40	-45.50	5.26	3.00	9.88	-40.88	-13.00	-27.88	H
5550.60	-46.43	6.11	3.00	11.36	-41.18	-13.00	-28.18	H
3700.40	-41.70	5.26	3.00	9.88	-37.08	-13.00	-24.08	V
5550.60	-43.60	6.11	3.00	11.36	-38.35	-13.00	-25.35	V

GSM/TM1/PCS1900_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.00	-43.80	5.32	3.00	10.03	-39.09	-13.00	-26.09	H
5640.00	-48.57	6.19	3.00	11.41	-43.35	-13.00	-30.35	H
3760.00	-39.29	5.32	3.00	10.03	-34.58	-13.00	-21.58	V
5640.00	-45.40	6.19	3.00	11.41	-40.18	-13.00	-27.18	V

GSM/TM1/PCS1900_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3819.60	-49.23	5.36	3.00	9.62	-44.97	-13.00	-31.97	H
5729.40	-51.14	6.24	3.00	11.46	-45.92	-13.00	-32.92	H
3819.60	-45.61	5.36	3.00	9.62	-41.35	-13.00	-28.35	V
5729.40	-47.16	6.24	3.00	11.46	-41.94	-13.00	-28.94	V

GSM/TM3/EDGE1900_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3700.40	-47.68	5.26	3.00	9.88	-43.06	-13.00	-30.06	H
5550.60	-48.09	6.11	3.00	11.36	-42.84	-13.00	-29.84	H
3700.40	-43.68	5.26	3.00	9.88	-39.06	-13.00	-26.06	V
5550.60	-46.03	6.11	3.00	11.36	-40.78	-13.00	-27.78	V

GSM/TM3/EDGE1900_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.00	-45.76	5.32	3.00	10.03	-41.05	-13.00	-28.05	H
5640.00	-50.74	6.19	3.00	11.41	-45.52	-13.00	-32.52	H
3760.00	-41.55	5.32	3.00	10.03	-36.84	-13.00	-23.84	V
5640.00	-46.64	6.19	3.00	11.41	-41.42	-13.00	-28.42	V

GSM/TM3/EDGE1900_ High Channel

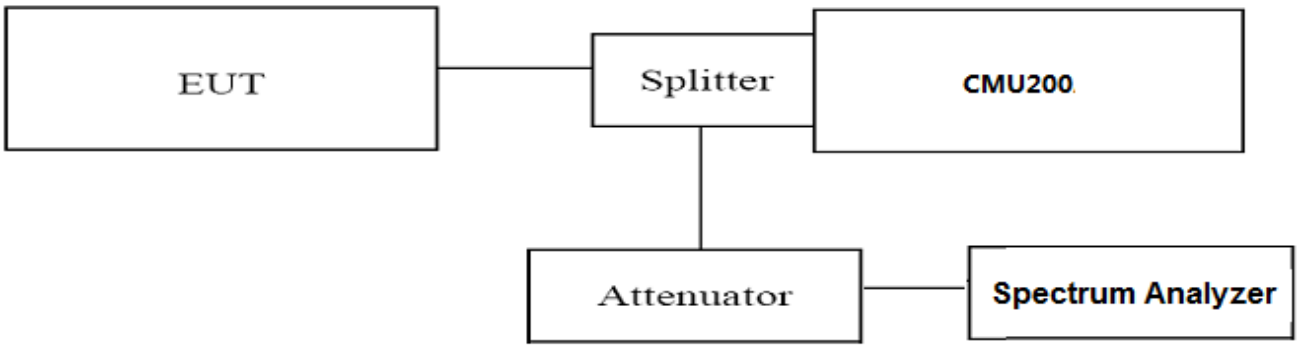
Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3819.60	-50.81	5.36	3.00	9.62	-46.55	-13.00	-33.55	H
5729.40	-53.22	6.24	3.00	11.46	-48.00	-13.00	-35.00	H
3819.60	-47.17	5.36	3.00	9.62	-42.91	-13.00	-29.91	V
5729.40	-49.45	6.24	3.00	11.46	-44.23	-13.00	-31.23	V

4.3 Occupied Bandwidth and Emission Bandwidth

TEST APPLICABLE

Similar to conducted emissions; occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the extreme and mid frequencies of PCS1900 band and GSM850 band. The table below lists the measured 99% Bandwidth
and -26dBc Bandwidth.

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT was set up for the max output power with pseudo random data modulation;
2. The Occupied bandwidth and Emission Bandwidth were measured with Spectrum AnalyzerN9020A;
3. Set RBW=5.1KHz,VBW=15KHz,Span=1MHz,SWT=Auto;
4. Set SPA Max hold and View, Set 99% Occupied Bandwidth/ Set -26dBc Occupied Bandwidth
5. These measurements were done at 3 frequencies, 1850.20 MHz, 1880.00 MHz and 1909.80 MHz for PCS1900 band; 824.20MHz, 836.60 MHz and 848.80 MHz for GSM850 band. (Low, middle and high of operational frequency range).

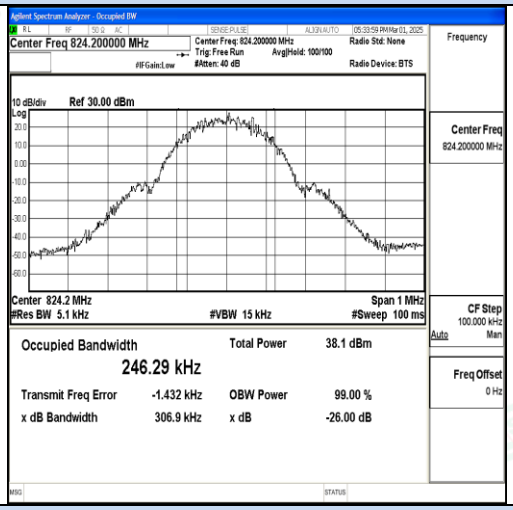
TEST RESULTS

Test Mode	Channel	Frequency (MHz)	Occupied Bandwidth (99% BW) (KHz)	Emission Bandwidth (-26 dBc BW) (KHz)	Verdict
GSM/TM1 /GSM850	128	824.2	246.29	306.9	PASS
	190	836.6	247.81	304.7	PASS
	251	848.8	247.23	313.0	PASS
GSM/TM3 /EDGE850	128	824.2	243.58	313.6	PASS
	190	836.6	249.08	315.0	PASS
	251	848.8	245.88	298.9	PASS
GSM/TM1 /PCS1900	512	1850.2	245.55	319.1	PASS
	661	1880.0	245.78	314.6	PASS
	810	1909.8	243.45	304.0	PASS
GSM/TM3 /EDGE1900	512	1850.2	254.52	312.3	PASS
	661	1880.0	246.03	323.4	PASS
	810	1909.8	252.06	312.2	PASS

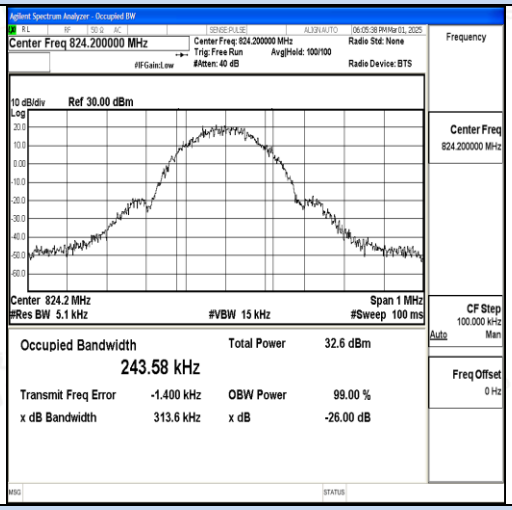
Remark:
1. *Test results including cable loss;*
2. *Please refer to following plots;*

Occupied Bandwidth and Emission Bandwidth

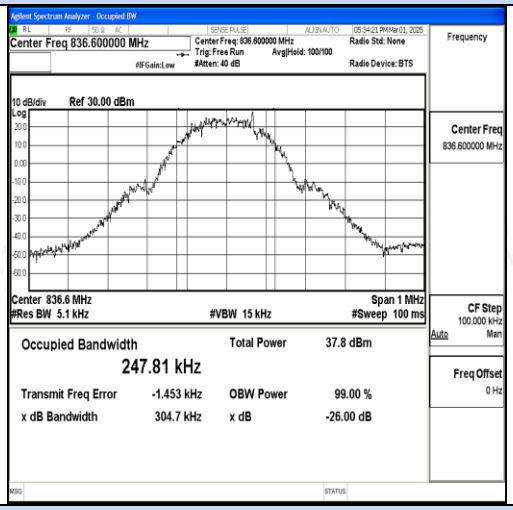
GSM/TM1/GSM850



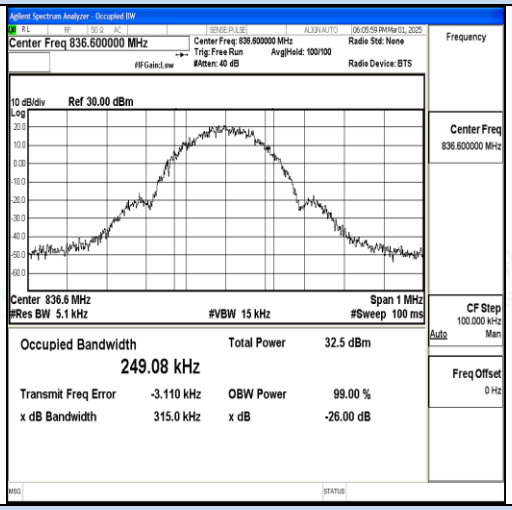
GSM/TM3/EDGE850



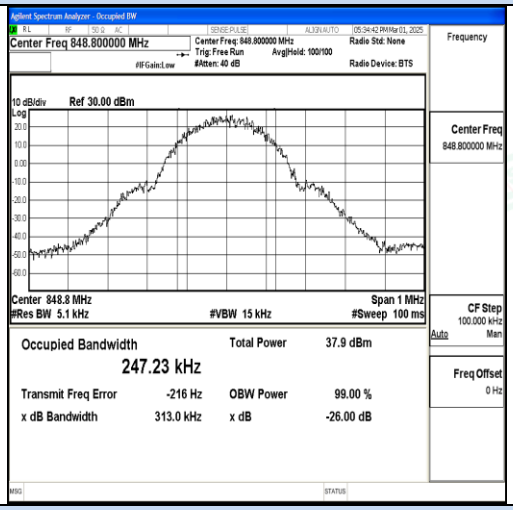
Channel 128 / 824.2 MHz



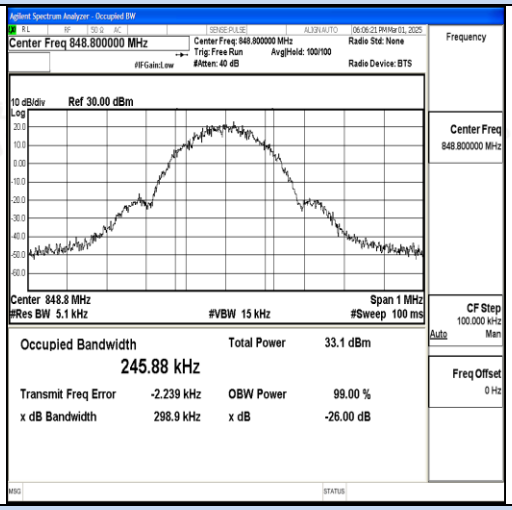
Channel 128 / 824.2 MHz



Channel 190 / 836.6 MHz

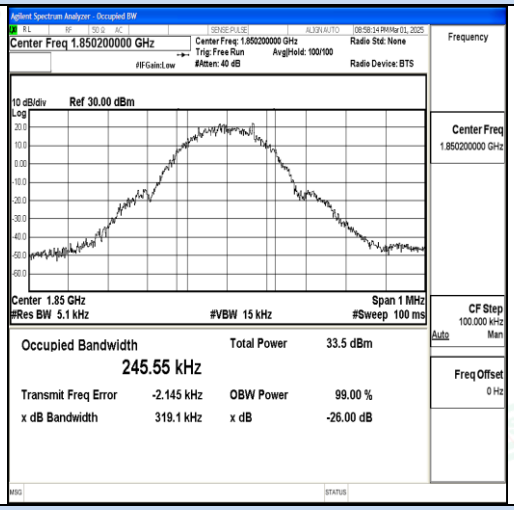
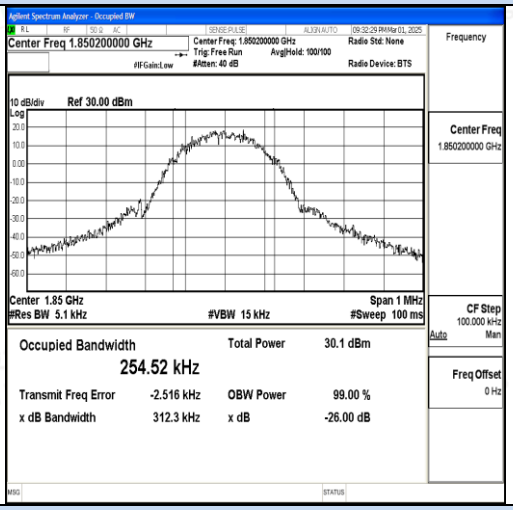
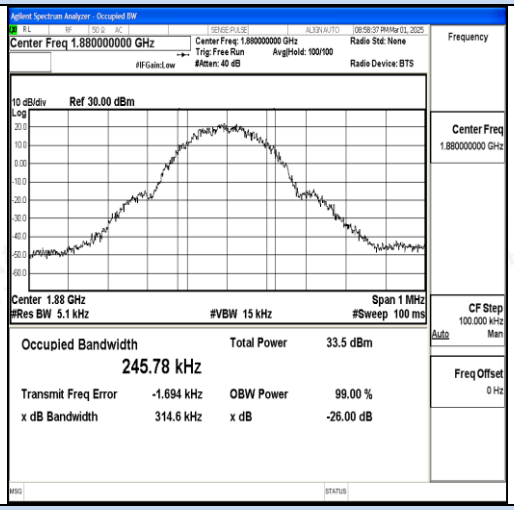
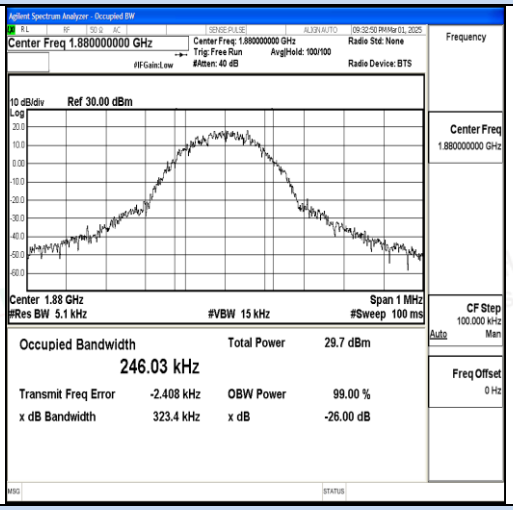
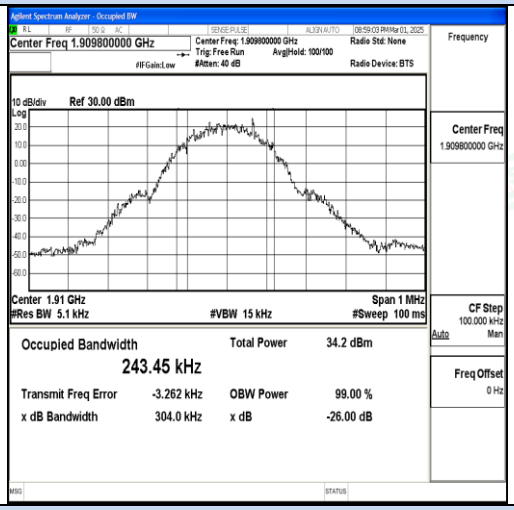
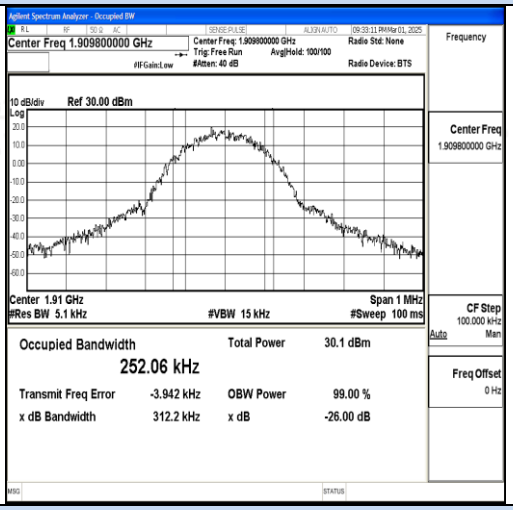


Channel 190 / 836.6 MHz



Channel 251 / 848.8 MHz

Channel 251 / 848.8 MHz

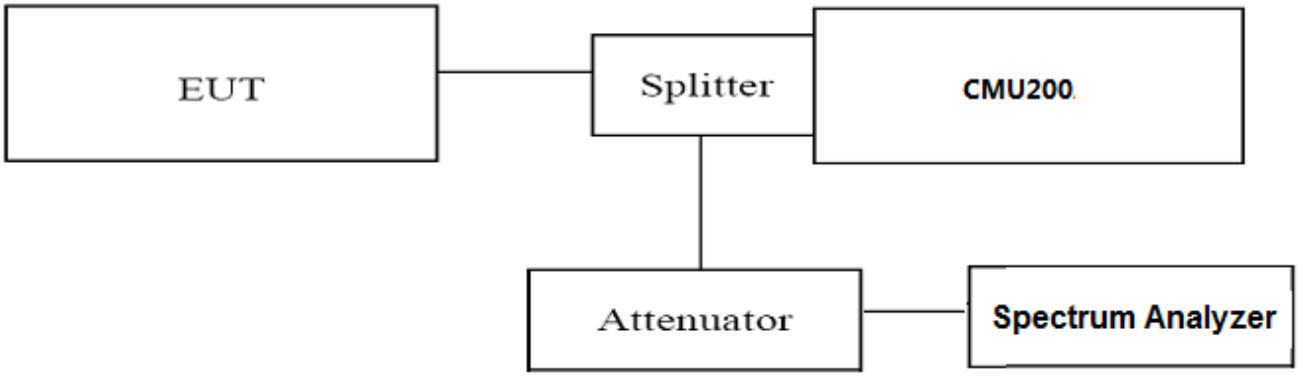
Occupied Bandwidth and Emission Bandwidth	
GSM/TM1/PCS1900	GSM/TM3/ EDGE1900
	
Channel 512 / 1850.2 MHz	Channel 512 / 1850.2 MHz
	
Channel 661 / 1880.0MHz	Channel 661 / 1880.0MHz
	
Channel 810 / 1909.8 MHz	Channel 810 / 1909.8 MHz

4.4 Band Edge Complicance

TEST APPLICABLE

During the process of testing, the EUT was controlled via Digital Radio Communication tester (CMU200) to ensure max power transmission and proper modulation.

TEST CONFIGURATION



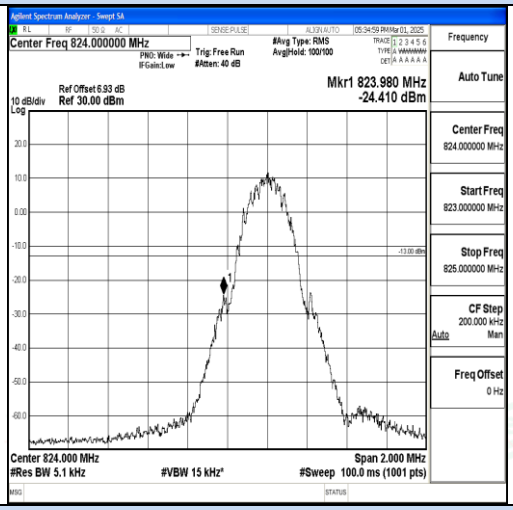
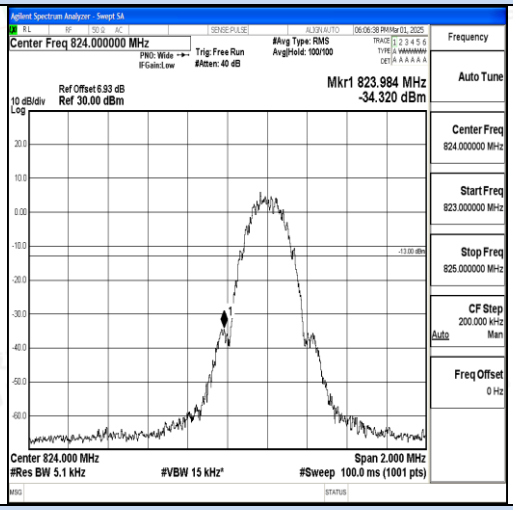
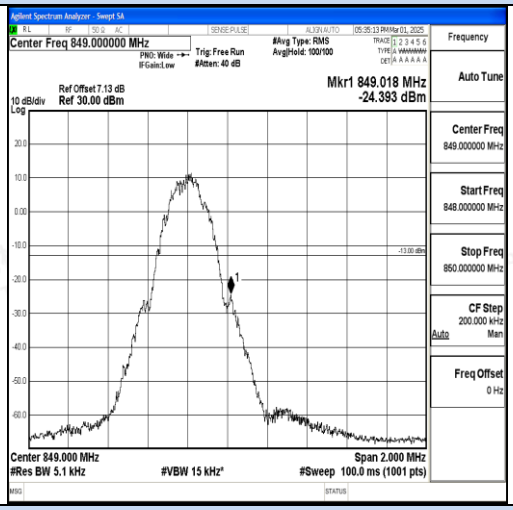
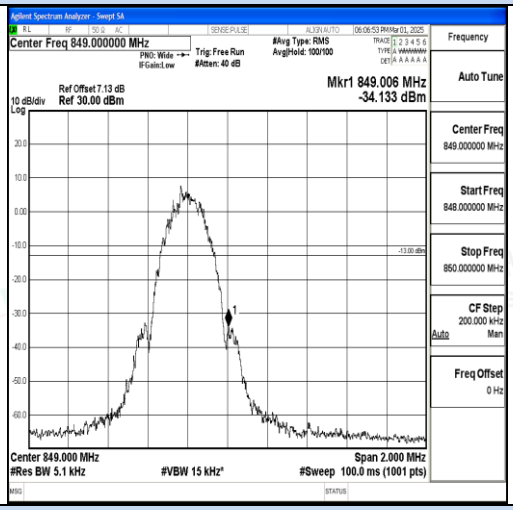
TEST PROCEDURE

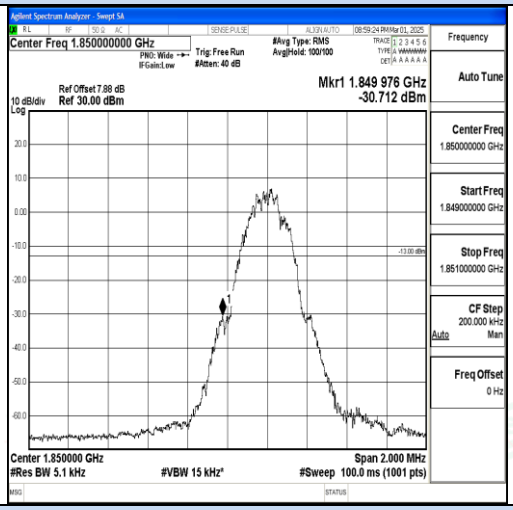
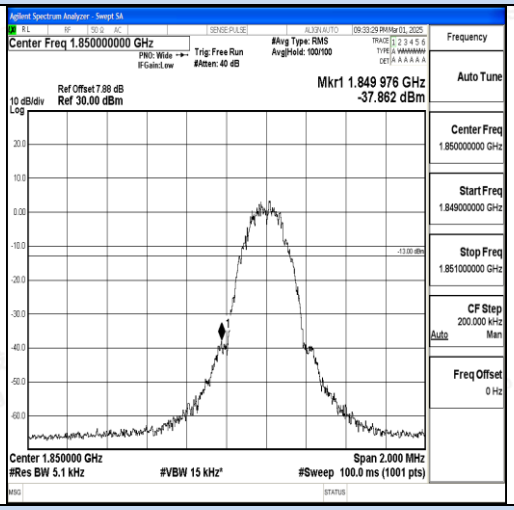
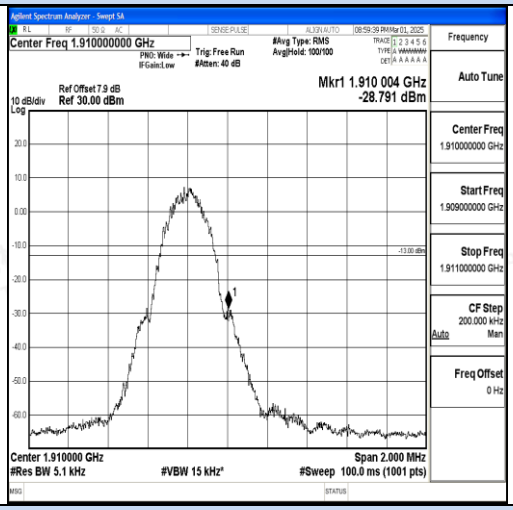
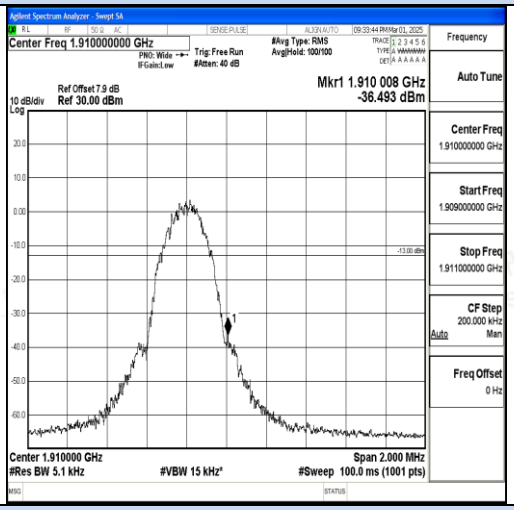
1. The EUT was set up for the max output power with pseudo random data modulation;
2. The power was measured with Spectrum Analyzer N9020A;
3. Set RBW=5.1KHz,VBW=15KHz,Span=2MHz,SWT=Auto, Dector: RMS;
1. These measurements were done at 2 frequencies, 1850.20 MHz and 1909.80 MHz for PCS1900 band; 824.20 MHz and 848.80 MHz for GSM850 band. (bottom and top of operational frequency range).

TEST RESULTS

Test Mode	Channel	Frequency (MHz)	Band Edg Compliance (dBm)	Limits (dBm)	Verdict
GSM/TM1/GSM850	128	824.2	<-13dBm	-13dBm	PASS
	251	848.8	<-13dBm	-13dBm	
GSM/TM3/EDGE850	128	824.2	<-13dBm	-13dBm	PASS
	251	848.8	<-13dBm	-13dBm	
GSM/TM1/PCS1900	512	1850.2	<-13dBm	-13dBm	PASS
	810	1909.8	<-13dBm	-13dBm	
GSM/TM3/EDGE1900	512	1850.2	<-13dBm	-13dBm	PASS
	810	1909.8	<-13dBm	-13dBm	

Remark:
1. *Test results including cable loss;*
2. *Please refer to following plots;*

Band-edge Compliance	
GSM/TM1/GSM850	GSM/TM3/EDGE850
	
Channel 128 / 824.2 MHz	Channel 128 / 824.2 MHz
	
Channel 251 / 848.8 MHz	Channel 251 / 848.8 MHz

Band-edge Compliance	
GSM/TM1/PCS1900	GSM/TM3/EDGE1900
	
Channel 512 / 1850.2 MHz	Channel 512 / 1850.2 MHz
	
Channel 810 / 1909.8 MHz	Channel 810 / 1909.8 MHz

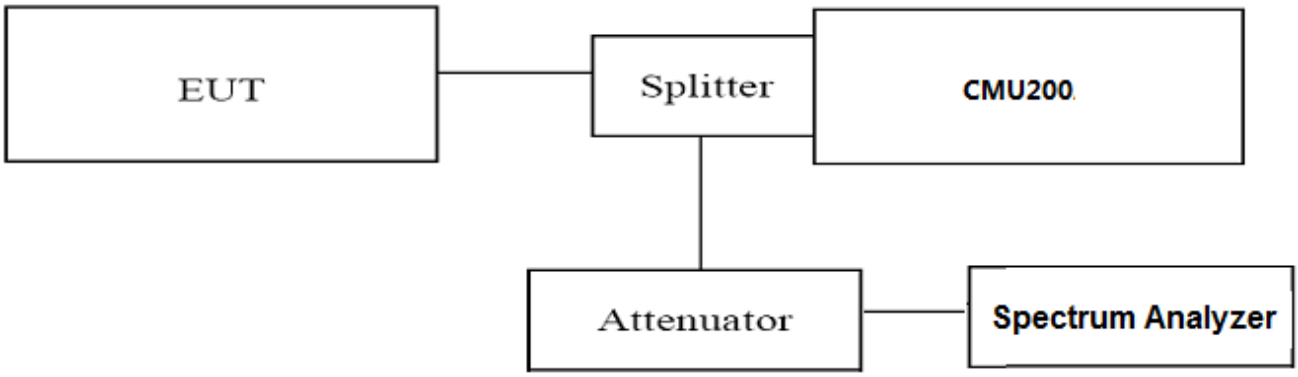
4.5 Spurious Emission on Antenna Port

TEST APPLICABLE

The following steps outline the procedure used to measure the conducted emissions from the EUT.

1. Determine frequency range for measurements: From CFR 2.1057 and RSS-GEN the spectrum should be investigated from the lowest radio frequency generated in the equipment up to at least the 10th harmonic of the carrier frequency. For the equipment of PCS1900 band, this equates to a frequency range of 9 KHz to 20 GHz, data taken from 30 MHz to 20 GHz. For GSM850, this equates to a frequency range of 9 KHz to 9 GHz,data taken from 30 MHz to 9 GHz.
2. The sweep time is set automatically by instrument itself. That should be the optimal sweep time for the span and the RBW. If the sweep time is too short, that is sweep is too fast, the sweep result is not accurate; if the sweep time is too long, that is sweep is too low, some frequency components may be lost. The instrument will give an optimal sweep time according the selected span and RBW.
3. The procedure to get the conducted spurious emission is as follows:
   The trace mode is set to MaxHold to get the highest signal at each frequency;
   Wait 25 seconds;
   Get the result.
4. Determine EUT transmit frequencies: below outlines the band edge frequencies pertinent to conducted emissions testing.

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT was set up for the max output power with pseudo random data modulation;
2. The power was measured with Spectrum Analyzer N9020A;
3. These measurements were done at 3 frequencies, 1850.20 MHz, 1880.00 MHz and 1909.80 MHz for PCS1900 band; 824.20 MHz, 836.60 MHz and 848.80 MHz for GSM850 band. (Low, middle and high of operational frequency range).

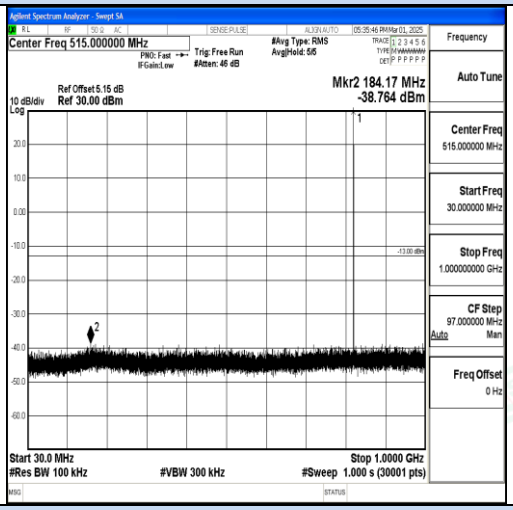
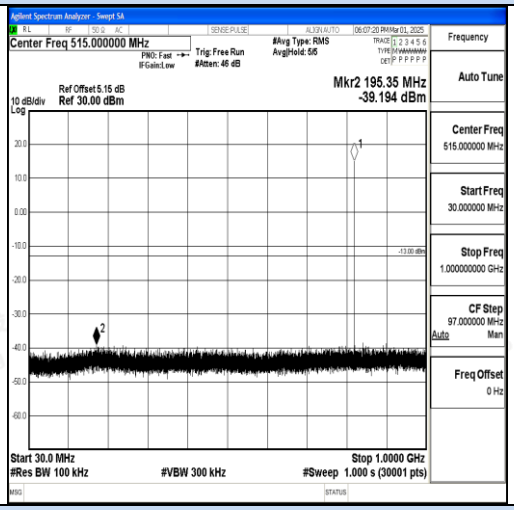
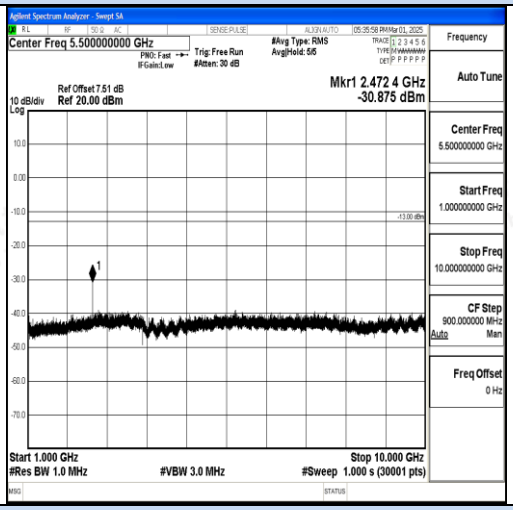
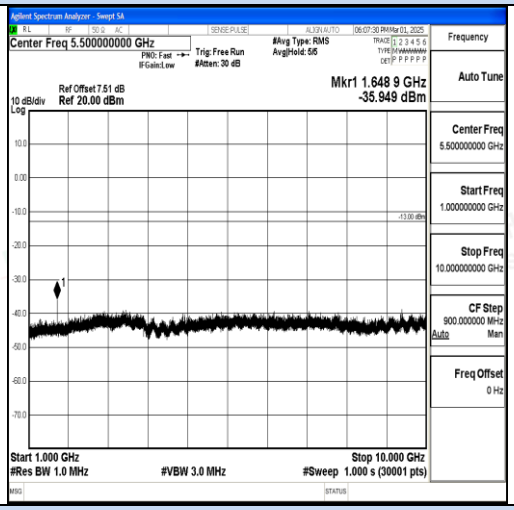
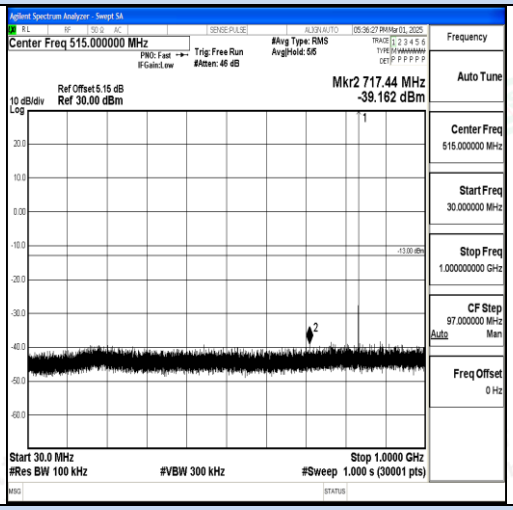
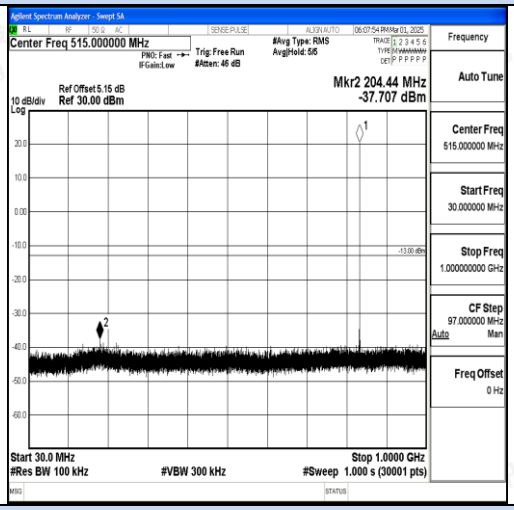
TEST LIMIT

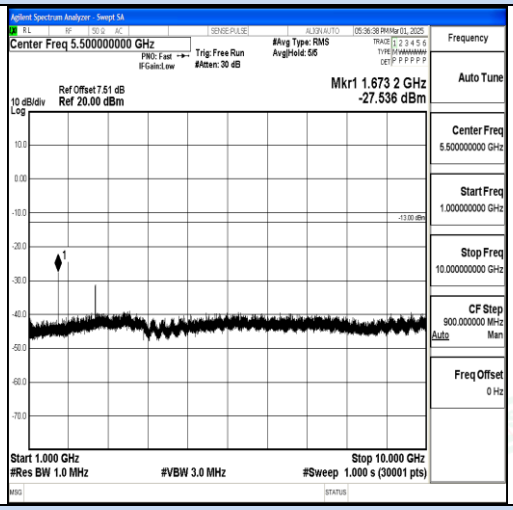
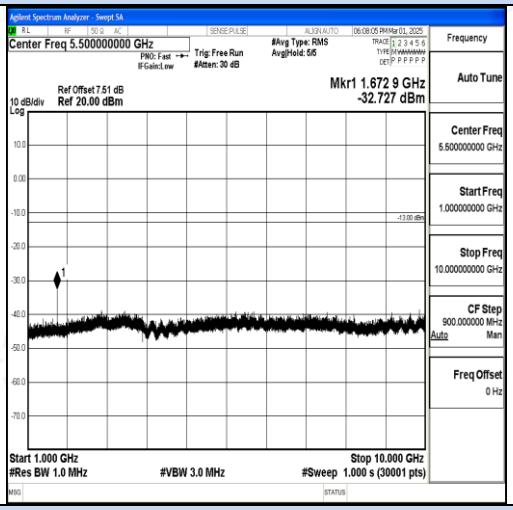
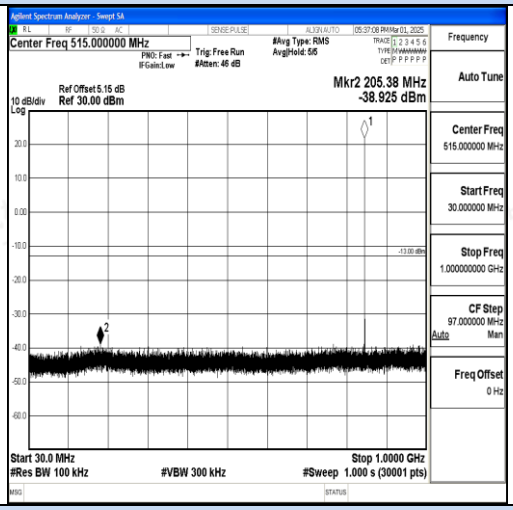
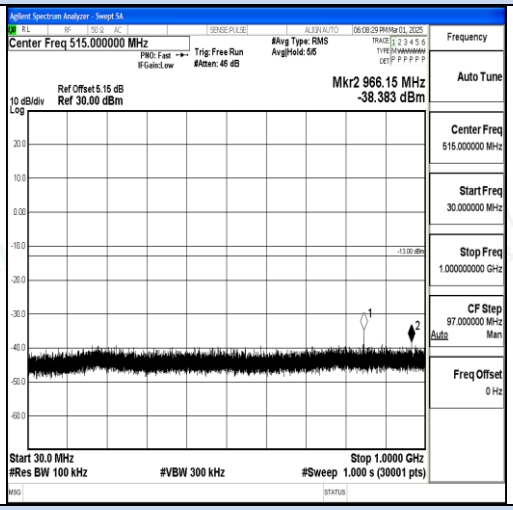
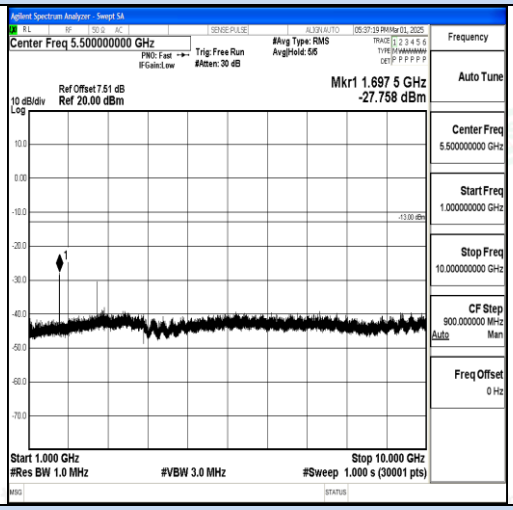
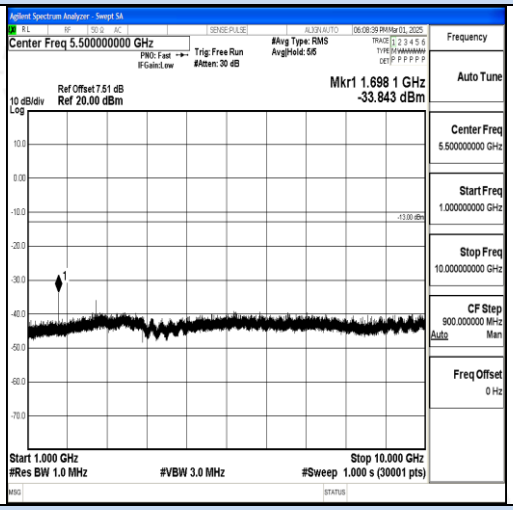
Part 24.238, Part 22.917 specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.
The specification that emissions shall be attenuated below the transmitter power (P) by at least 43 + 10 log (P) dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

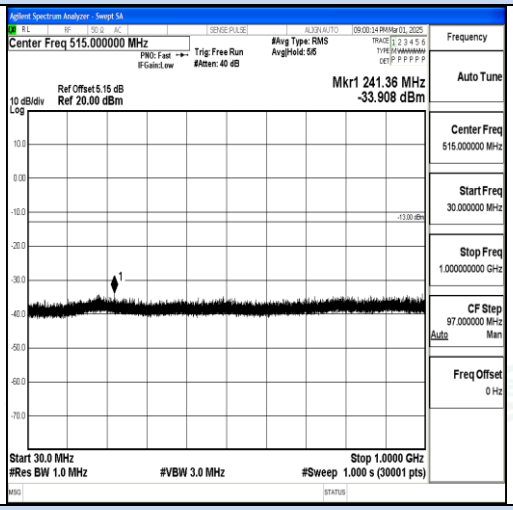
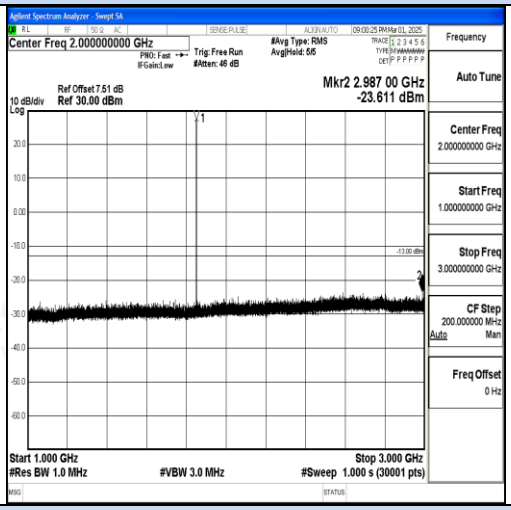
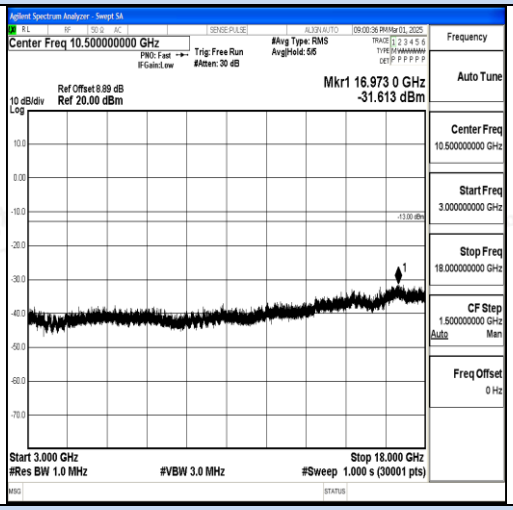
TEST RESULTS

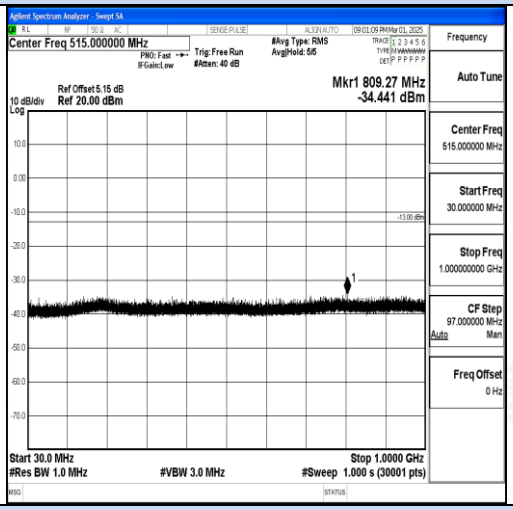
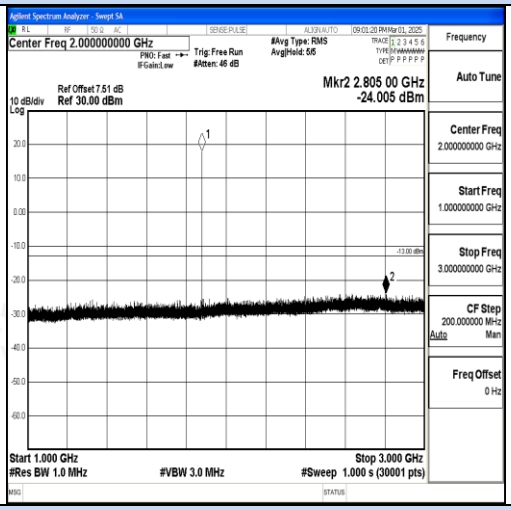
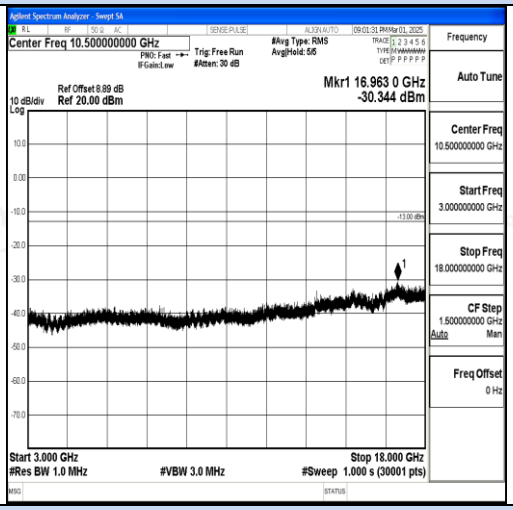
Test Mode	Channel	Frequency (MHz)	Spurious RF Conducted Emission (dBm)	Limits (dBm)	Verdict
GSM/TM1/GSM850	128	824.2	<-13dBm	-13dBm	PASS
	190	836.6	<-13dBm	-13dBm	
	251	848.8	<-13dBm	-13dBm	
GSM/TM3/EDGE850	128	824.2	<-13dBm	-13dBm	PASS
	190	836.6	<-13dBm	-13dBm	
	251	848.8	<-13dBm	-13dBm	
GSM/TM1/PCS1900	512	1850.2	<-13dBm	-13dBm	PASS
	661	1880.0	<-13dBm	-13dBm	
	810	1909.8	<-13dBm	-13dBm	
GSM/TM3/EDGE1900	512	1850.2	<-13dBm	-13dBm	PASS
	661	1880.0	<-13dBm	-13dBm	
	810	1909.8	<-13dBm	-13dBm	

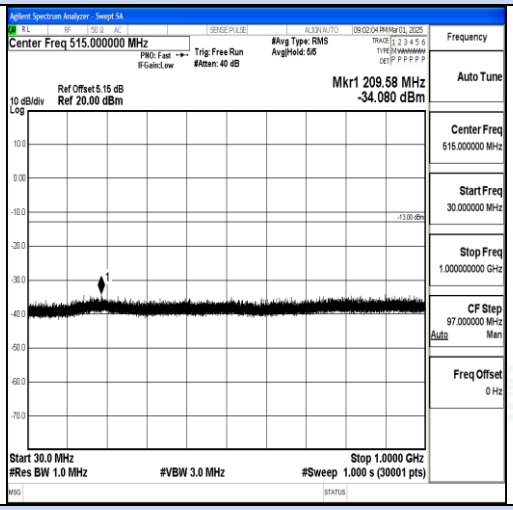
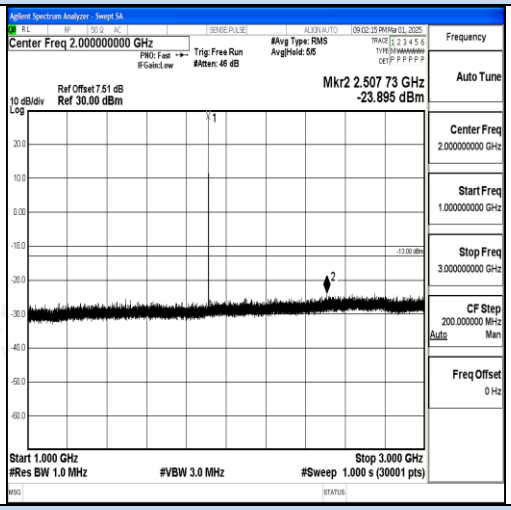
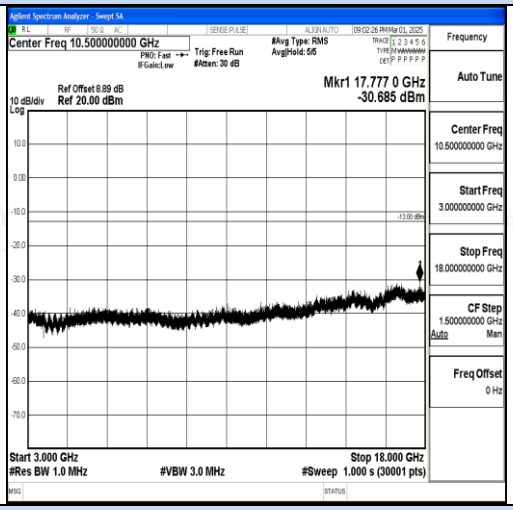
Remark:
1. *Test results including cable loss;*
2. *Please refer to following plots;*
3. *Not reorded test plots from 9 KHz to 30 MHz as emission levels 20dB lower than emission limit;*

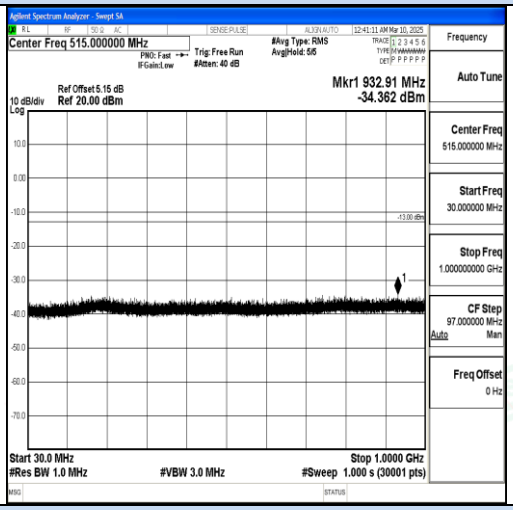
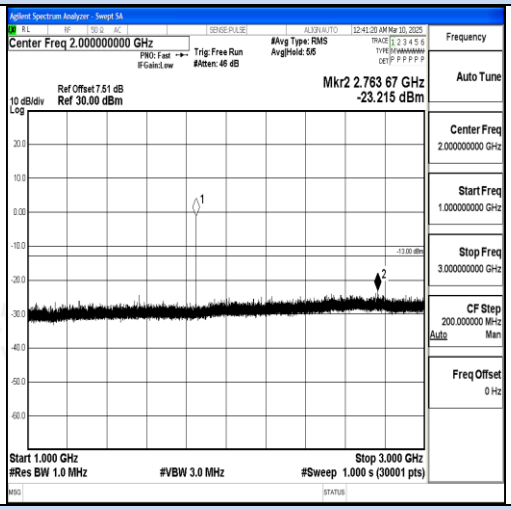
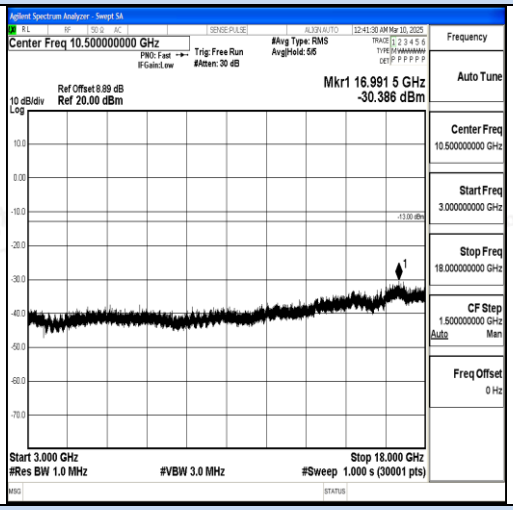
Spurious Emssion on Antenna Port	
GSM/TM1/GSM850	GSM/TM3/EDGE850
Channel 128 / 824.2 MHz	Channel 128 / 824.2 MHz
	
30 MHz – 1000 MHz	30 MHz – 1000 MHz
	
1 GHz – 10 GHz	1 GHz – 10 GHz
Channel 190 / 836.6 MHz	Channel 190 / 836.6 MHz
	
30 MHz – 1000 MHz	30 MHz – 1000 MHz

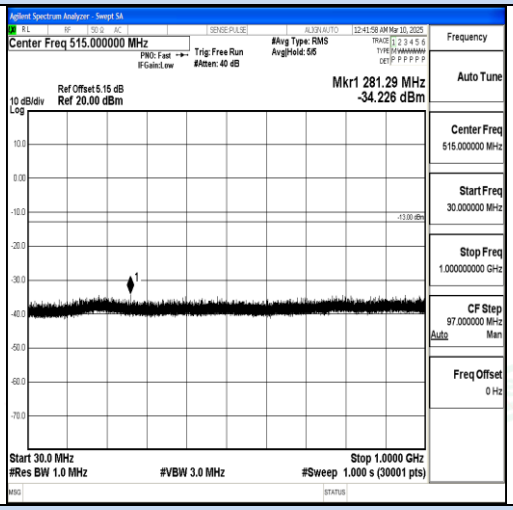
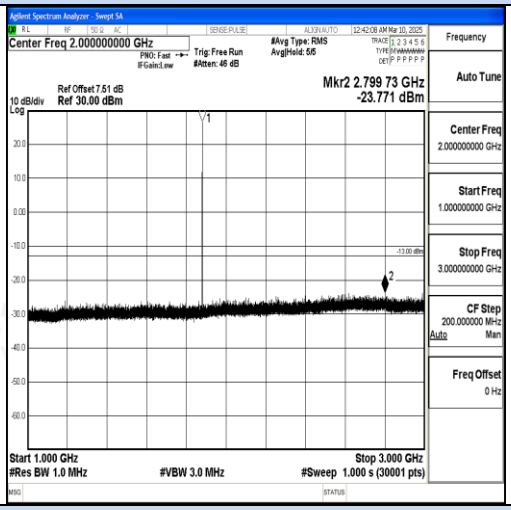
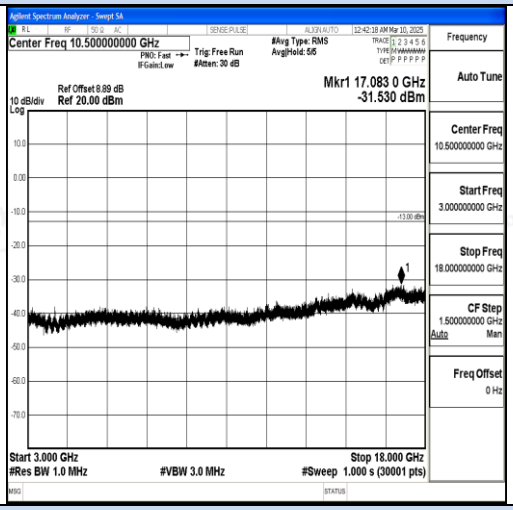
Spurious Emssion on Antenna Port	
GSM/TM1/GSM850	GSM/TM3/EDGE850
Channel 190 / 836.6 MHz	Channel 190 / 836.6 MHz
	
1 GHz – 10 GHz	1 GHz – 10 GHz
Channel 251 / 848.8 MHz	Channel 251 / 848.8 MHz
	
30 MHz – 1000 MHz	30 MHz – 1000 MHz
	
1 GHz – 10 GHz	1 GHz – 10 GHz

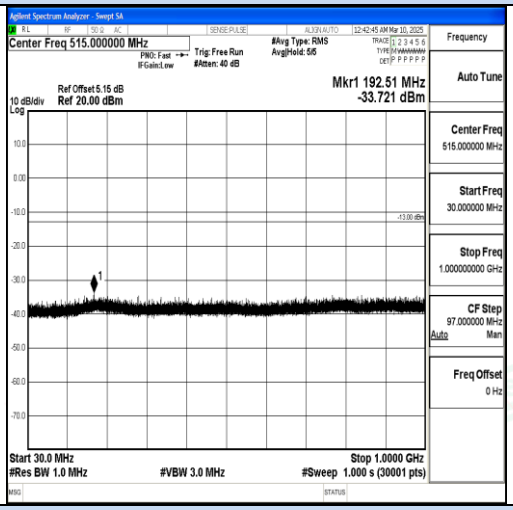
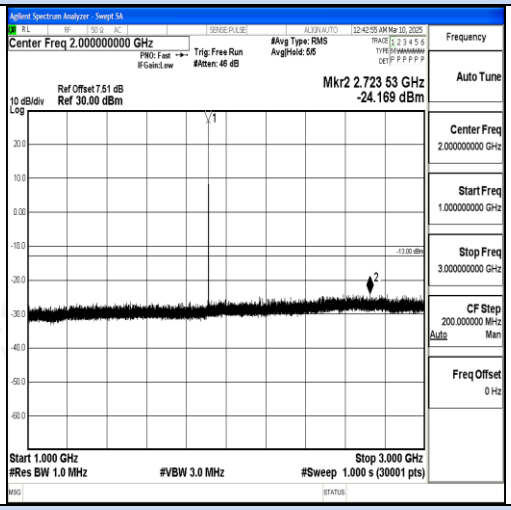
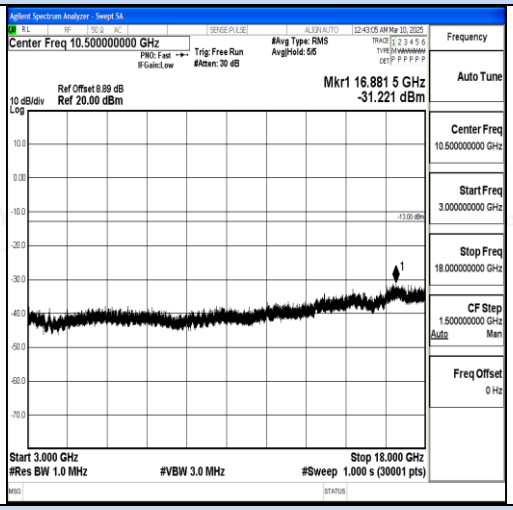
Spurious Emssion on Antenna Port	
GSM/TM1/PCS1900	
Channel 512 / 1850.2 MHz	
	
30 MHz – 1000 MHz	*1 GHz – 3 GHz*
	
3 GHz – 18 GHz	

Spurious Emssion on Antenna Port	
GSM/TM1/PCS1900	
Channel 661 / 1880 MHz	
	
30 MHz – 1000 MHz	*1 GHz – 3 GHz*
	
3 GHz – 18 GHz	

Spurious Emssion on Antenna Port	
GSM/TM1/PCS1900	
Channel 810 / 1909.8 MHz	
	
30 MHz – 1000 MHz	*1 GHz – 3 GHz*
	
3 GHz – 18 GHz	

Spurious Emssion on Antenna Port	
GSM/TM3/EDGE1900	
Channel 512 / 1850.2 MHz	
	
30 MHz – 1000 MHz	*1 GHz – 3 GHz*
	
3 GHz – 18 GHz	

Spurious Emssion on Antenna Port	
GSM/TM3/EDGE1900	
Channel 661 / 1880 MHz	
	
30 MHz – 1000 MHz	*1 GHz – 3 GHz*
	
3 GHz – 18 GHz	

Spurious Emssion on Antenna Port	
GSM/TM3/EDGE1900	
Channel 810 / 1909.8 MHz	
	
30 MHz – 1000 MHz	*1 GHz – 3 GHz*
	
3 GHz – 18 GHz	

4.6 Frequency Stability Test

TEST APPLICABLE

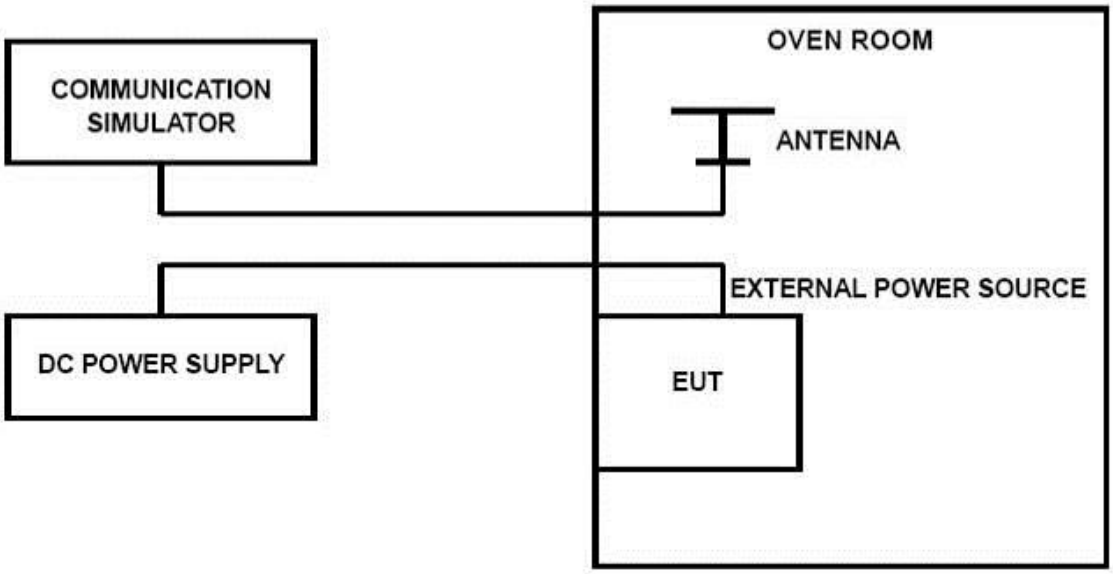
1. According to FCC Part 2 Section 2.1055 (a)(1), the frequency stability shall be measured with variation of ambient temperature from -30℃ to +50℃ centigrade.
2. According to FCC Part 2 Section 2.1055 (E) (2), for battery powered equipment, the frequency stability shall be measured with reducing primary supply voltage to the battery operating end point, which is specified by the manufacture.
3. Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried voltage equipment and the end voltage point was 3.3V.

TEST PROCEDURE

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a “call mode”. This is accomplished with the use of R&S CMU200 DIGITAL RADIO COMMUNICATION TESTER.

1. Measure the carrier frequency at room temperature;
2. Subject the EUT to overnight soak at -30℃;
3. With the EUT, powered via nominal voltage, connected to the CMU200 and in a simulated call on middle channel of PCS 1900 and GSM850, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming;
4. Repeat the above measurements at 10℃ increments from -30℃ to +50℃. Allow at least 0.5 hours at each temperature, unpowered, before making measurements;
5. Remeasure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments remeasuring carrier frequency at each voltage. Pause at nominal voltage for 0.5 hours unpowered, to allow any self-heating to stabilize, before continuing;
6. Subject the EUT to overnight soak at +50℃;
7. With the EUT, powered via nominal voltage, connected to the CMU200 and in a simulated call on the centre channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming;
8. Repeat the above measurements at 10℃ increments from +50℃ to -30℃. Allow at least 0.5 hours at each temperature, unpowered, before making measurements;
9. At all temperature levels hold the temperature to +/- 0.5℃ during the measurement procedure;

TEST CONFIGURATION



TEST LIMITS

For Hand carried battery powered equipment

According to the JTC standard the frequency stability of the carrier shall be accurate to within 0.1 ppm of the received frequency from the base station. This accuracy is sufficient to meet Sec. 24.235, Frequency Stability. The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. As this transceiver is considered "Hand carried, battery powered equipment" Section 2.1055(d)(2) applies. This requires that the lower voltage for frequency stability testing be specified by the manufacturer. This transceiver is specified to operate with an input voltage of between 3.3VDC and 4.35VDC, with a nominal voltage of 3.8DC. Operation above or below these voltage limits is prohibited by transceiver software in order to prevent improper operation as well as to protect components from overstress. These voltages represent a tolerance of -10 % and +12.5 %. For the purposes of measuring frequency stability these voltage limits are to be used.

For equipment powered by primary supply voltage

According to the JTC standard the frequency stability of the carrier shall be accurate to within 0.1 ppm of the received frequency from the base station. This accuracy is sufficient to meet Sec. 24.235, Frequency Stability. The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. For this EUT section 2.1055(d)(1) applies. This requires varying primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment.

TEST RESULTS

GSM/TM1/GSM850					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	25	28	0.033	2.50	PASS
VN	25	-32	-0.039	2.50	PASS
VH	25	-13	-0.016	2.50	PASS
VN	-30	-46	-0.055	2.50	PASS
VN	-20	-37	-0.045	2.50	PASS
VN	-10	28	0.034	2.50	PASS
VN	0	17	0.020	2.50	PASS
VN	10	43	0.051	2.50	PASS
VN	20	33	0.039	2.50	PASS
VN	30	34	0.041	2.50	PASS
VN	40	21	0.026	2.50	PASS
VN	50	-14	-0.016	2.50	PASS

GSM/TM3/EDGE850					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	25	-43	-0.051	2.50	PASS
VN	25	-3	-0.003	2.50	PASS
VH	25	24	0.029	2.50	PASS
VN	-30	-21	-0.025	2.50	PASS
VN	-20	-23	-0.028	2.50	PASS
VN	-10	-40	-0.048	2.50	PASS
VN	0	-34	-0.041	2.50	PASS
VN	10	-19	-0.022	2.50	PASS
VN	20	-1	-0.001	2.50	PASS
VN	30	-39	-0.046	2.50	PASS
VN	40	11	0.013	2.50	PASS
VN	50	-34	-0.041	2.50	PASS

GSM/TM1/PCS1900					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	25	-23	-0.012	2.50	PASS
VN	25	26	0.014	2.50	PASS
VH	25	-10	-0.006	2.50	PASS
VN	-30	17	0.009	2.50	PASS
VN	-20	19	0.010	2.50	PASS
VN	-10	-41	-0.022	2.50	PASS
VN	0	14	0.007	2.50	PASS
VN	10	-9	-0.005	2.50	PASS
VN	20	-41	-0.022	2.50	PASS
VN	30	-34	-0.018	2.50	PASS
VN	40	36	0.019	2.50	PASS
VN	50	-28	-0.015	2.50	PASS

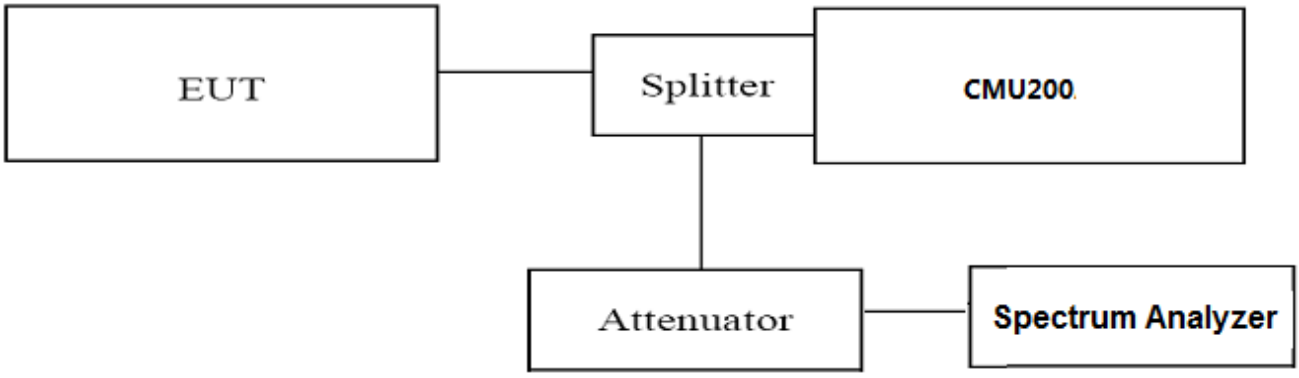
GSM/TM3/EDGE1900					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	25	-48	-0.026	2.50	PASS
VN	25	22	0.012	2.50	PASS
VH	25	-30	-0.016	2.50	PASS
VN	-30	11	0.006	2.50	PASS
VN	-20	-40	-0.021	2.50	PASS
VN	-10	11	0.006	2.50	PASS
VN	0	-24	-0.013	2.50	PASS
VN	10	-49	-0.026	2.50	PASS
VN	20	-10	-0.005	2.50	PASS
VN	30	34	0.018	2.50	PASS
VN	40	-15	-0.008	2.50	PASS
VN	50	21	0.011	2.50	PASS

4.7 Peak-to-Average Ratio (PAR)

LIMIT

The Peak-to-Average Ratio (PAR) of the transmission may not exceed 13 dB.

TEST CONFIGURATION

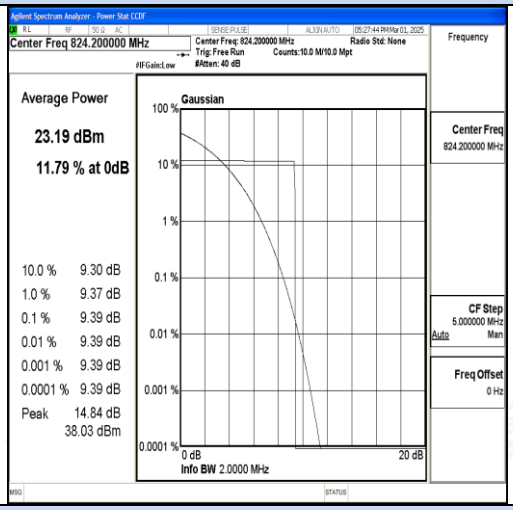
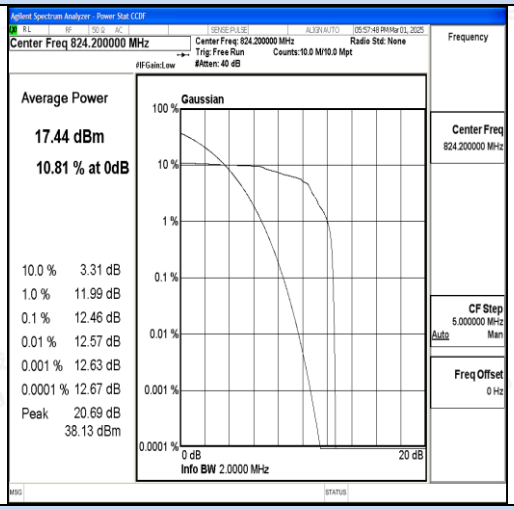
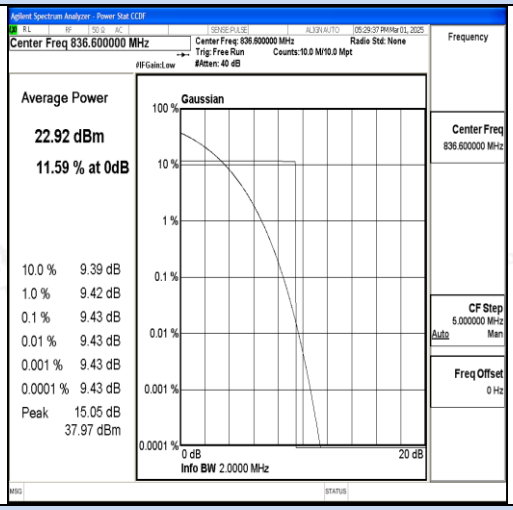
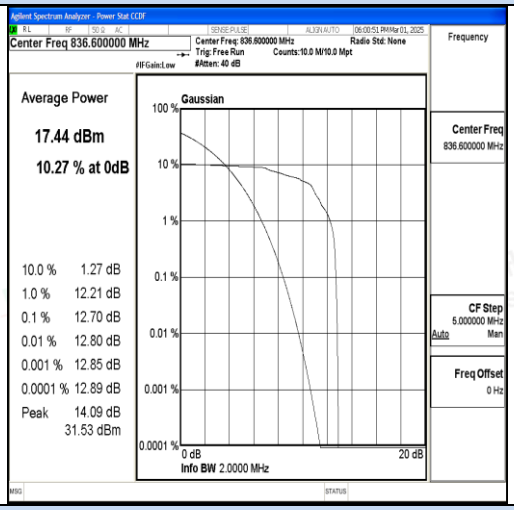
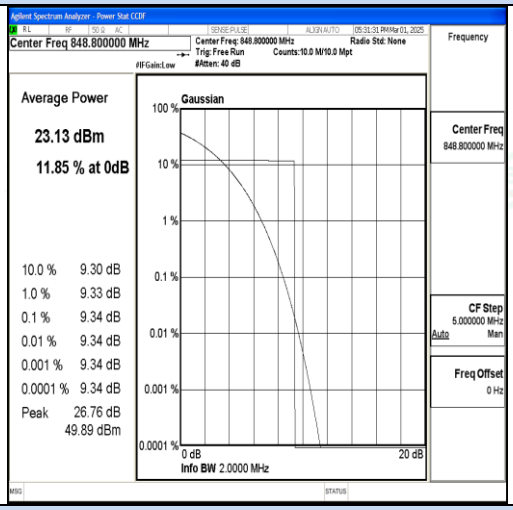
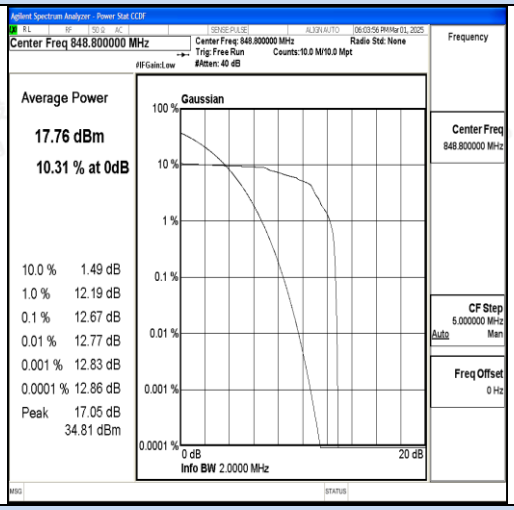


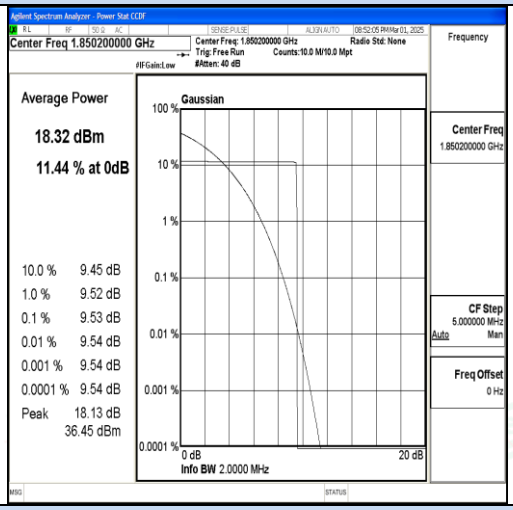
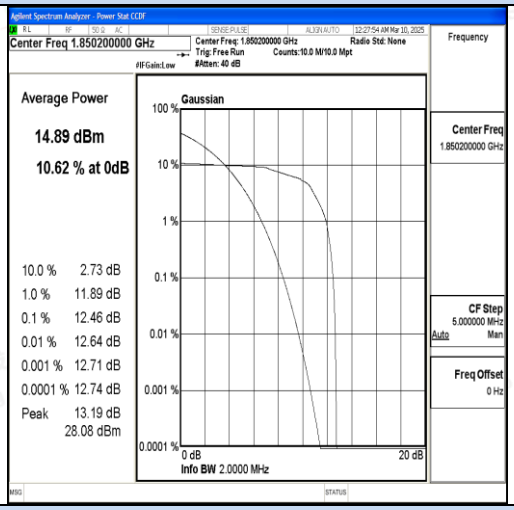
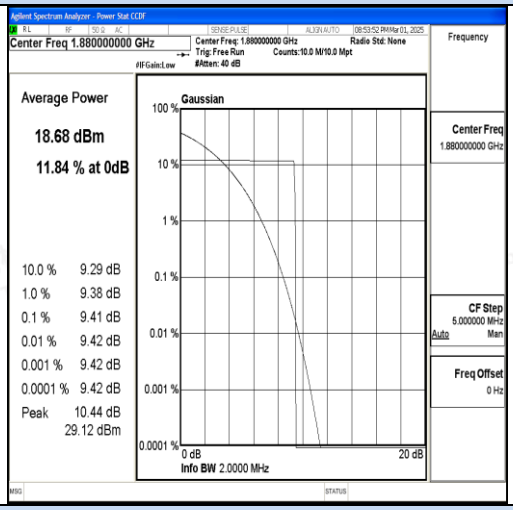
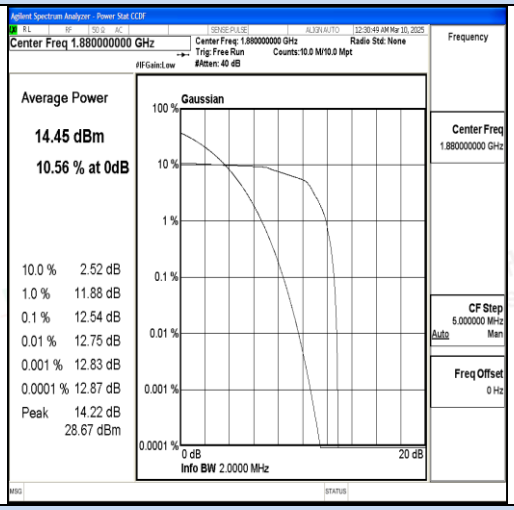
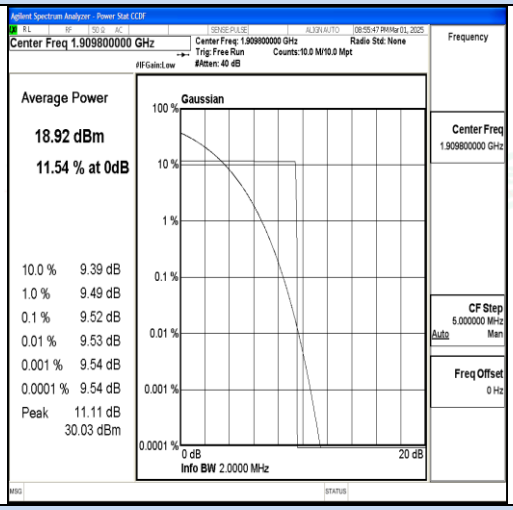
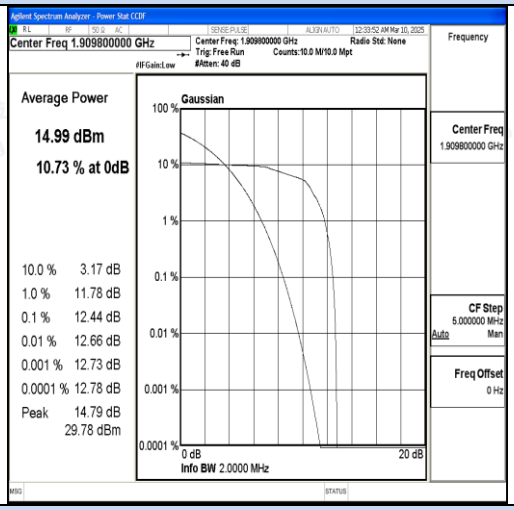
TEST PROCEDURE

Use spectrum to measure the total peak power and record as P_{Pk}. Use spectrum to measure the total average power and record as P_{Avg}. Both the peak and average power levels must be expressed in the same logarithmic units (e.g., dBm).
Determine the PAPR from:
PAPR (dB) = P_{Pk} (dBm) - P_{Avg} (dBm).
Record the maximum PAPR level associated with a probability of 0.1%.

TEST RESULTS

Test Mode	Channel	Frequency (MHz)	PAPR Value (dB)	Limits (dB)	Verdict
GSM/TM1/GSM850	128	824.2	9.39	13.0	PASS
	190	836.6	9.43	13.0	
	251	848.8	9.34	13.0	
GSM/TM3/EDGE850	128	824.2	12.46	13.0	PASS
	190	836.6	12.70	13.0	
	251	848.8	12.67	13.0	
GSM/TM1/PCS1900	512	1850.20	9.53	13.0	PASS
	661	1880.00	9.41	13.0	
	810	1909.80	9.52	13.0	
GSM/TM3/EDGE1900	512	1850.20	12.46	13.0	PASS
	661	1880.00	12.54	13.0	
	810	1909.80	12.44	13.0	

Peak-to-Average Ratio (PAR)	
GSM/TM1/GSM850	GSM/TM3/EDGE850
	
Channel 128 / 824.2 MHz	Channel 128 / 824.2 MHz
	
Channel 190 / 836.6 MHz	Channel 190 / 836.6 MHz
	
Channel 251 / 848.8 MHz	Channel 251 / 848.8 MHz

Peak-to-Average Ratio (PAR)	
GSM/TM1/PCS1900	GSM/TM3/EDGE1900
	
Channel 512 / 1850.2 MHz	Channel 512 / 1850.2 MHz
	
Channel 661 / 1880 MHz	Channel 661 / 1880 MHz
	
Channel 810 / 1909.8 MHz	Channel 810 / 1909.8 MHz

5 TEST SETUP PHOTOGRAPHS OF EUT

Please refer to separated files for Test Setup Photos of the EUT.

6 EXTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

7 INTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

----------THE END OF TEST REPORT----------

FCC TEST REPORT

FOR

Lunar Industries inc.

Smart Phone

Test Model: BraX3

Prepared for	:	Lunar Industries inc.
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel	:	(+86)755-82591330
Fax	:	(+86)755-82591332
Web	:	www.LCS-cert.com
Mail	:	webmaster@LCS-cert.com
Date of receipt of test sample	:	February 26, 2025
Number of tested samples	:	2
Sample No.	:	A250303080-1, A250303080-2
Serial number	:	Prototype
Date of Test	:	February 26, 2025 ~ March 25, 2025
Date of Report	:	March 26, 2025

FCC PART 22/24/27 TEST REPORT

FCC Part 22H / Part 24E /Part 27

Report Reference No. .....:	**LCSA11204234EJ**
FCC ID. .....:	**2BN26-BRAX3**
Date of Issue. .....:	**March 26, 2025**
Testing Laboratory Name .....:	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address .....:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Applicant's name .....:	**Lunar Industries inc.**
Address .....:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Test specification .....:	
Standard .....:	**FCC Part 22H: Cellular Radiotelephone Service** **FCC Part 24E: Broadband PCS** **FCC Part 27: MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES**
Test Report Form No .....:	TRF-4-E-152 A/0
TRF Originator .....:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF .....:	Dated 2011-03

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Test item description .....:	**Smart Phone**
Trade Mark .....:	Brax
Test Model .....:	BraX3
Ratings .....:	Please Refer to Page 7
Frequency .....:	UMTS Band II/IV/V
Result .....:	**PASS**

Compiled by:	**Supervised by:**	**Approved by:**
Jack Liu/Administrator	Cary Luo/ Technique principal	Gavin Liang/ Manager

TEST REPORT

Test Report No. :	LCSA11204234EJ	March 26, 2025 Date of issue

Test Model.....	:	BraX3
EUT.....	:	Smart Phone
Applicant.....	**:**	**Lunar Industries inc.**
Address.....	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	:	/
Fax.....	:	/
Manufacturer.....	**:**	**Lunar Industries inc.**
Address.....	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	:	/
Fax.....	:	/
Factory.....	**:**	**Sichuan koobee communication equipment Co., Ltd.**
Address.....	:	Building 2, No.69, West of gangyuan Road, Lingang economic and technological development zone, Yibin City, Sichuan Province, P.R.China
Telephone.....	:	/
Fax.....	:	/

Test Result:	**PASS**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revison History

Report Version	Issue Date	Revision Content	Revised By
000	March 26, 2025	Initial Issue	---

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1 TEST STANDARDS

The tests were performed according to following standards:

FCC Part 22H: Cellular Radiotelephone Service.
FCC Part 24E: Broadband PCS.
FCC Part 27: MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES
TIA-603-E March 2016: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.
47 CFR FCC Part 15 Subpart B: Unintentional Radiators.
FCC Part 2: Frequency Allocations And Radio Treaty Matters; General Rules And Regulations.
ANSI C63.4:2014: Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.
FCC KDB971168 D01 Power Meas License Digital Systems v03r01.
ANSI C63.26-2015: Compliance Testing of Transmitters Used in Licensed Radio Services.

2 SUMMARY

2.1 Product Description

The **Lunar Industries inc.**'s Model: BraX3 or the "EUT" as referred to in this report; more general information as follows, for more details, refer to the user's manual of the EUT.

EUT	:	Smart Phone
Test Model	:	BraX3
Ratings	:	Input:5V⎓2A DC 3.87V by Rechargeable Li-ion Battery, 4900mAh
Hardware Version	:	KE115S_01
Software Version	:	V600.BX3.25032025.16.19.AD
Bluetooth	:	
Frequency Range	:	2402MHz~2480MHz
Channel Number	:	79 channels for Bluetooth V5.2 (DSS) 40 channels for Bluetooth V5.2 (DTS)
Channel Spacing	:	1MHz for Bluetooth V5.2 (DSS) 2MHz for Bluetooth V5.2 (DTS)
Modulation Type	:	GFSK, π/4-DQPSK, 8-DPSK for Bluetooth V5.2 (DSS) GFSK for Bluetooth V5.2 (DTS)
Bluetooth Version	:	V5.2
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(2.4G Band)	:	
Frequency Range	:	2412MHz~2462MHz
Channel Spacing	:	5MHz
Channel Number	:	11 Channels for 20MHz bandwidth (2412~2462MHz) 7 Channels for 40MHz bandwidth (2422~2452MHz)
Modulation Type	:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(5.2G Band)	:	
Frequency Range	:	5180MHz~5240MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5180MHz~5240MHz) 2 channels for 40MHz bandwidth(5190MHz~5230MHz) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.3G Band)		
Frequency Range	:	5260MHz~5320MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5260MHz~5320MHz) 2 channels for 40MHz bandwidth(5270MHz~5310MHz) 1 channels for 80MHz bandwidth(5290MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.5G Band)	:	
Frequency Range	:	5500MHz~5700MHz
Channel Number	:	11 Channels for 20MHz bandwidth(5500MHz~5700MHz)

		5 Channels for 40MHz bandwidth(5510MHz~5670MHz) 2 Channels for 80MHz bandwidth(5530MHz, 5610MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.8G Band)	:	
Frequency Range	:	5745MHz~5825MHz
Channel Number	:	5 channels for 20MHz bandwidth(5745MHz~5825MHz) 2 channels for 40MHz bandwidth(5755MHz~5795MHz) 1 channels for 80MHz bandwidth(5775MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5),0.65dBi(Max.)
2G	:	
Support Band	:	☒GSM 900 (EU-Band) ☒DCS 1800 (EU-Band) ☒GSM 850 (U.S.-Band) ☒PCS 1900 (U.S.-Band)
Release Version	:	R9
GPRS Class	:	Class 12
EGPRS Class	:	Class 12
Type Of Modulation	:	GMSK for GSM/GPRS; GMSK/8PSK for EGPRS
Antenna Description	:	GSM 850: -3.2 dBi(ANT0), -6.0 dBi(ANT3) PCS 1900: -0.8 dBi(ANT3), -2.0 dBi(ANT0)
3G	:	
Support Band	:	☒WCDMA Band I (EU-Band) ☒WCDMA Band II (U.S.-Band) ☒WCDMA Band IV (U.S.-Band) ☒WCDMA Band V (U.S.-Band) ☒WCDMA Band VIII (EU-Band)
Release Version	:	R9
Type Of Modulation	:	QPSK,16QAM
Antenna Description	:	PIFA Antenna WCDMA Band II -0.8 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band IV -1.45 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band V -3.2 dBi(ANT0), -6.0 dBi(ANT3)
LTE	:	
Support Band	:	☒E-UTRA Band 1(EU-Band) ☒E-UTRA Band 2(U.S.-Band) ☒E-UTRA Band 3(EU-Band) ☒E-UTRA Band 4(U.S.-Band) ☒E-UTRA Band 5(U.S.-Band) ☒E-UTRA Band 7(U.S.-Band) ☒E-UTRA Band 8(EU-Band) ☒E-UTRA Band 12(U.S.-Band) ☒E-UTRA Band 13(U.S.-Band) ☒E-UTRA Band 17(U.S.-Band) ☒E-UTRA Band 25(U.S.-Band) ☒E-UTRA Band 26(U.S.-Band) ☒E-UTRA Band 28(EU-Band) ☒E-UTRA Band 38(U.S.-Band) ☒E-UTRA Band 40(EU-Band)

☒E-UTRA Band 41(U.S.-Band)
☒E-UTRA Band 42(EU-Band)
☒E-UTRA Band 66(U.S.-Band)
☒E-UTRA Band 71(U.S.-Band)

LTE Release Version	:	R15
Type Of Modulation	:	QPSK/16QAM
Antenna Description	:	PIFA Antenna For E-UTRA Band 2 -0.8 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 4 -1.45 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 5 -3.2 dBi(ANT0),-1.8 dBi(ANT3) For E-UTRA Band 7 -0.6 dBi(ANT3),-1.8 dBi(ANT0), -1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 12 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 13 -3.0 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 17 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 25 -0.75 dBi(ANT3), -2.0 dBi(ANT0) ,-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 26 -3.3 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 38 -0.6 dBi(ANT3),-1.1 dBi(ANT0),-1.8 dBi(ANT2), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 41 –0.6 dBi(ANT3), -1.1 dBi(ANT0),-1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 66 -0.78 dBi(ANT3), -2.0 dBi(ANT0),-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 71 -3.3 dBi(ANT0), -2.0 dBi(ANT3)
Power Class	:	Class 3
NR	:	
Operation Band	:	SA Band: n1: UL: 1920MHz~1980MHz, DL: 2110MHz~2170MHz n2: UL: 1850MHz~1910MHz, DL: 1930MHz~1990MHz n3: UL: 1710MHz~1785MHz, DL:1805MHz~1880MHz n5: UL: 824MHz~849MHz, DL:869MHz~894MHz n7: UL: 2500MHz~2570MHz, DL: 2620MHz~2690MHz n25: UL: 1850MHz~1915MHz, DL: 1930MHz~1995MHz n26: UL: 814MHz~849MHz, DL: 859MHz~894MHz n28: UL: 703MHz~748MHz, DL: 758MHz~803MHz n38: UL & DL: 2570MHz~2620MHz n40: UL & DL: 2300MHz~2400MHz n41: UL & DL: 2496MHz~2690MHz n66: UL: 1710MHz~1780MHz, DL: 2110MHz~2180MHz n71: UL: 663MHz~698MHz, DL: 617MHz~652MHz n77: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3980 MHz n78: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3800 MHz
Support Type	:	☒SA
Subcarrier Spacing	:	15KHz,30KHz
Modulation Type	:	DFT-BPSK, DFT-QPSK, DFT-16QAM, DFT-64QAM, DFT-256QAM CP-QPSK, CP-16QAM, CP-64QAM, CP-256QAM
SCS and Channel Bandwidths	:	n2_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,35 MHz,40 MHz n5_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n7_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40

		MHz,50MHz n25_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n26_SCS 15kHz(814~824MHz): 5 MHz,10 MHz n26_SCS 15kHz(824~849MHz): 5 MHz,10 MHz,15 MHz,20 MHz n38_SCS 30kHz:10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n41_SCS 30kHz: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz,90 MHz,100 MHz n66_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n71_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n77_SCS 30kHz: 20 MHz,50 MHz,100 MHz n78_SCS 30kHz: 20 MHz,50 MHz,100 MHz
Power Class	:	NR Band 2/5/7/25/26/38/41:PC3 NR Band 66/71/77/78: PC2
Antenna Description	:	PIFA Antenna NR Band n2: -0.8 dBi(ANT3), -6.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n5: -3.2 dBi(ANT0), -6.0 dBi(ANT3) NR Band n7: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n25: -0.75 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n26: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n38: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n41: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n66: -0.78 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n71: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n77: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7) NR Band n78: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7)
NFC	:	
Operating Frequency	:	13.56MHz
Modulation Type	:	ASK
Antenna Description	:	Internal Antenna
GPS Function	:	Support and only RX
FM Function	:	Support and only RX
Extreme temp. Tolerance	:	-30°C to +50°C
Extreme vol. Limits	:	3.3VDC to 4.45VDC (nominal: 3.87VDC)

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

2.2 Equipment under Test

Power supply system utilised

Power supply voltage	:	●	120V / 60 Hz	○	115V / 60Hz
		○	12 V DC	○	24 V DC
		○	Other (specified in blank below)		

Test frequency list

Test Mode	TX/RX	RF Channel		
		Low(L)	Middle (M)	High (H)
WCDMA Band V	TX	Channel 4132	Channel 4182	Channel 4233
		826.4 MHz	836.4 MHz	846.6 MHz
	RX	Channel 4357	Channel 4407	Channel 4458
		871.4 MHz	881.4 MHz	891.6 MHz
Test Mode	TX/RX	RF Channel		
		Low(L)	Middle (M)	High (H)
WCDMA Band II	TX	Channel 9262	Channel 9400	Channel 9538
		1852.4 MHz	1880.0 MHz	1907.6 MHz
	RX	Channel 9662	Channel 9800	Channel 9938
		1932.4 MHz	1960.0 MHz	1987.6 MHz
Test Mode	TX/RX	RF Channel		
		Low(L)	Middle (M)	High (H)
WCDMA Band IV	TX	Channel1312	Channel1413	Channel1513
		1712.4MHz	1732.6MHz	1752.6MHz
	RX	Channel1537	Channel1638	Channel1738
		2112.4MHz	2132.6MHz	2152.6MHz

2.3 Short description of the Equipment under Test (EUT)

2.3.1 General Description

Smart Phone is subscriber equipment in the BT/BLE/2.4GWIFI/5.2GWIFI/5.3GWIFI/5.5GWIFI /5.8GWIFI/GSM/WCDMA/LTE/NR system. GSM/GPRS/EGPRS frequency band is Band II/V. The HSPA/UMTS frequency band is Band II/IV/V. LTE frequency band is band 2/4/5/7/12/13/17/25/26/38/41/66/71. NR frequency band is band 2/5/7/25/26/38/41/66/71/77/78.The HSPA/UMTS frequency band II and Band IV and Band V test data included in this report. The Smart Phone implements such functions as RF signal receiving/transmitting, GSM/GPRS/EGPRS HSPA/UMTS/LTE/NR protocol processing, video MMS service and etc. Externally it provides SIM card interface.

2.4 Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN TIANYIN ELECTRONICS CO., LTD	Power Adapter	TPA-46050200UU	--	FCC

Note: Auxiliary equipment is provided by the laboratory.

2.5 External I/O Port

I/O Port Description	Quantity	Cable
Type-C USB Port	1	N/A
Earphone Jack Port	1	N/A

2.6 Normal Accessory setting

N/A

2.7 Test Sample

The application provides 2 samples to meet requirement;

Sample Number	Description
Sample 1(A250303080-1)	Engineer sample – continuous transmit
Sample 2(A250303080-2)	Normal sample – Intermittent transmit

2.8 EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

- ● - supplied by the manufacturer

○ - supplied by the lab

○	Power Cable	Length (m) :	/
		Shield :	/
		Detachable :	/
○	Multimeter	Manufacturer :	/
		Model No. :	/

2.9 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for **FCC ID: 2BN26-BRAX3** filing to comply with FCC Part 22H, Part 24E, **Part 27** Rules.

2.10 Modifications

No modifications were implemented to meet testing criteria.

2.11 General Test Conditions/Configurations

2.11.1 Test Modes

NOTE: The test mode(s) are selected according to relevant radio technology specifications.

Test Mode	Test Modes Description
UMTS/TM1	WCDMA system, QPSK,16QAM modulation
UMTS/TM2	HSDPA system, QPSK,16QAM modulation
UMTS/TM3	HSUPA system, QPSK,16QAM modulation

Note: As WCDMA, HSDPA and HSUPA with the same emission designator, test result recorded in this report at the worst case UMTS/TM1 only after exploratory scan.

2.11.2 Test Environment

Environment Parameter	Selected Values During Tests	
Relative Humidity	Ambient	
Temperature	TN	Ambient
Voltage	VL	DC 3.3V
	VN	DC 3.87V
	VH	DC 4.45V

NOTE: VL=lower extreme test voltage VN=nominal voltage
VH=upper extreme test voltage TN=normal temperature

3 TEST ENVIRONMENT

3.1 Address of the test laboratory

Shenzhen LCS Compliance Testing Laboratory Ltd

101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
The sites are constructed in conformance with the requirements of ANSI C63.4 (2014) and CISPR Publication 22.

3.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Test Firm Registration Number: 254912

3.3 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15-35 ° C
Humidity:	30-60 %
Atmospheric pressure:	950-1050mbar

(1)expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

3.4 Test Description

3.4.1 Cellular Band (824-849MHz paired with 869-894MHz) (Band V)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Output Power	§2.1046, §22.913	FCC: ERP ≤ 7W.	Pass
Modulation Characteristics	§2.1047	Digital modulation	N/A
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Pass
Band Edges Compliance	§2.1051, §22.917	≤-13dBm/1%*EBW, in 1MHz bands immediately outside and adjacent to The frequency block.	Pass
Spurious Emission at Antenna Terminals	§2.1051, §22.917	≤ -13dBm/100kHz, from 9kHz to 10th harmonics but outside authorized operating frequency ranges.	Pass
Field Strength of Spurious Radiation	§2.1053, §22.917	≤ -13dBm/100kHz.	Pass
Frequency Stability	§2.1055, §22.355	≤ ±2.5ppm.	Pass
Peak-Average Ratio	§24.232	≤13dB	Pass
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”.			

3.4.2 PCS Band (1850-1910MHz paired with 1930-1990MHz) (Band II)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Output Power	§2.1046, §24.232	EIRP ≤ 2W	Pass
Peak-Average Ratio	§2.1046, §24.232	≤13dB	Pass
Modulation Characteristics	§2.1047	Digital modulation	N/A
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Pass
Band Edges Compliance	§2.1051, §24.238	≤ -13dBm/1%*EBW, In 1MHz bands immediately outside and adjacent to The frequency block.	Pass
Spurious Emission at Antenna Terminals	§2.1051, §24.238	≤-13dBm/1MHz, from 9kHz to10th harmonics but outside authorized operating frequency ranges.	Pass
Field Strength of Spurious Radiation	§2.1053, §24.238	≤ -13dBm/1MHz.	Pass
Frequency Stability	§2.1055, §24.235	≤ ±2.5ppm.	Pass
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”.			

3.4.3 AWS Band (1710-1755MHz paired with 2110-2155MHz) (Band IV)

Test Item	FCC RuleNo.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(d)	EIRP ≤ 1W;	Pass
Peak-Average Ratio	§2.1046, §27.50(d)	Limit≤13dB	Pass
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	Pass
BandEdges Compliance	§2.1051, §27.53(h)	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to the frequency block.	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(h)	≤ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized operating frequency ranges.	Pass
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	Pass
Radiated spurious emission	§2.1053, §27.53(h)	≤ -13dBm/1MHz.	Pass
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”			

3.5 Equipments Used during the Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2024-06-06	2025-06-05
2	Power Sensor	R&S	NRV-Z81	100458	2024-06-06	2025-06-05
3	Power Sensor	R&S	NRV-Z32	10057	2024-06-06	2025-06-05
4	LTE Test Software	Tonscend	JS1120-1	N/A	N/A	N/A
5	RF Control Unit	Tonscend	JS0806-1	158060009	2024-11-08	2025-11-07
6	MXA Signal Analyzer	Agilent	N9020A	MY51250905	2024-10-08	2025-10-07
7	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW 500	103818	2024-06-06	2025-06-05
8	DC Power Supply	Agilent	E3642A	N/A	2024-10-08	2025-10-07
9	EMI Test Software	AUDIX	E3	/	N/A	N/A
10	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2024-06-06	2025-06-05
11	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
12	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2024-07-13	2027-07-12
13	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2024-08-03	2027-08-02
14	By-log Antenna	SCHWARZBECK	VULB9163	9163-471	2024-08-03	2027-08-02
15	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2024-07-13	2027-07-12
16	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1926	2024-07-13	2027-07-12
17	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2024-07-13	2027-07-12
18	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	792	2024-07-13	2027-07-12
19	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2024-07-30	2025-07-29
20	EMI Test Receiver	R&S	ESR 7	101181	2024-06-06	2025-06-05
21	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2024-06-06	2025-06-05
22	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2024-10-08	2025-10-07
23	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2024-10-08	2025-10-07
24	6dB Attenuator	/	100W/6dB	1172040	2024-06-06	2025-06-05
25	3dB Attenuator	/	2N-3dB	/	2024-10-08	2025-10-07
26	Temperature & Humidity Chamber	Baro	/	/	2024-06-12	2025-06-11
27	EMI Test Software	Farad	EZ	/	N/A	N/A
28	RADIO COMMUNICATION TESTER	R&S	CMU 200	105988	2024-06-06	2025-06-05
29	Antenna Mast	Max-Full	MFA-515BSN	1308572	N/A	N/A

3.6 Measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to ETSI TR 100 028 " Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics" and is documented in the Shenzhen LCS Compliance Testing Laboratory Ltd. quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen LCS Compliance Testing Laboratory Ltd. is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	3.10 dB	(1)
Radiated Emission	1~18GHz	3.80 dB	(1)
Radiated Emission	18-40GHz	3.90 dB	(1)
Conducted Disturbance	0.15~30MHz	1.63 dB	(1)
Conducted Power	9KHz~18GHz	0.61 dB	(1)
Spurious RF Conducted Emission	9KHz~40GHz	1.22 dB	(1)
Band Edge Compliance of RF Emission	9KHz~40GHz	1.22 dB	(1)
Occuiped Bandwidth	9KHz~40GHz	-	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

4 TEST CONDITIONS AND RESULTS

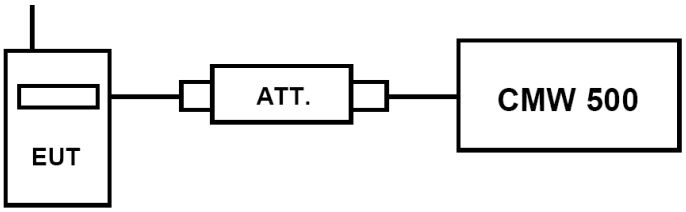
4.1 Output Power

TEST APPLICABLE

During the process of testing, the EUT was controlled via R&S WIDEBAND RADIO COMMUNICATION TESTER (CMW 500) to ensure max power transmission and proper modulation. This result contains output power and EIRP measurements for the EUT. In all cases, output power is within the specified limits.

4.1.1. Conducted Output Power

TEST CONFIGURATION



TEST PROCEDURE

Conducted Power Measurement:

a) Place the EUT on a bench and set it in transmitting mode.
b) Connect a low loss RF cable from the antenna port to a CMW 500 by an Att.
c) EUT Communicate with CMW 500 then selects a channel for testing.
d) Add a correction factor to the display CMW 500, and then test.

TEST RESULTS

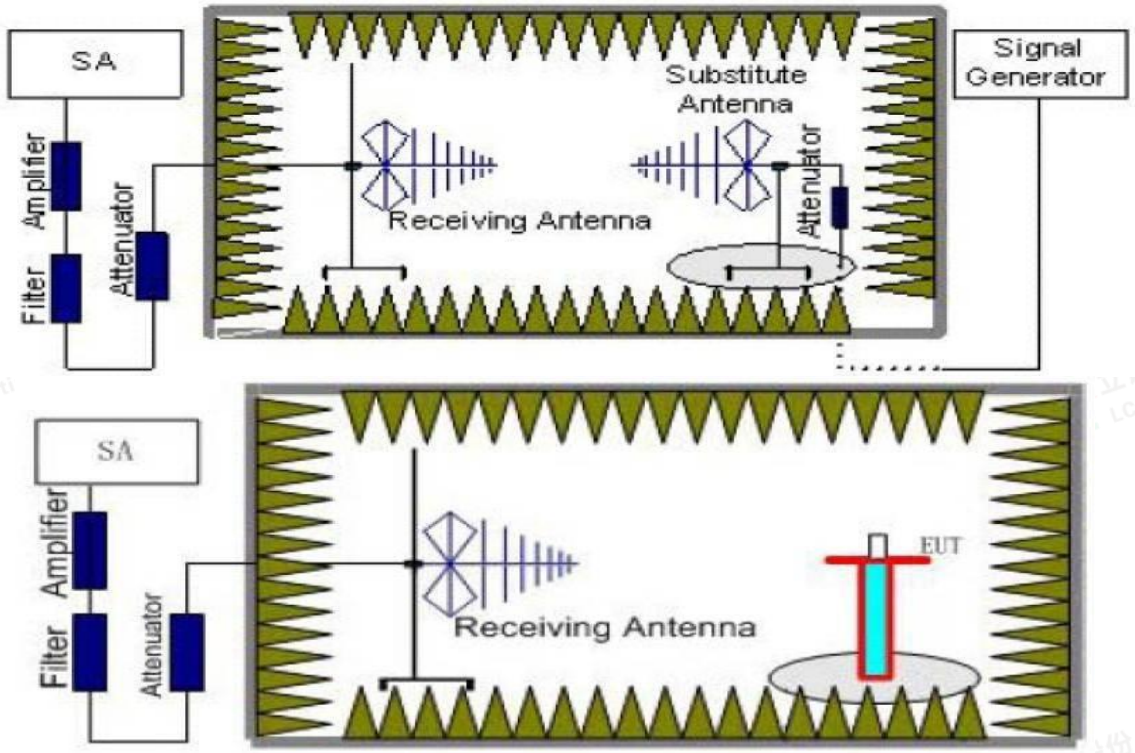
Item	band	WCDMA Band II result (dBm)			WCDMA Band IV result (dBm)			WCDMA Band V result (dBm)		
		Channel/Frequency(MHz)			Channel/Frequency(MHz)			Channel/Frequency(MHz)		
	sub-test	9262/ 1852.4	9400/ 1880	9538/ 1907.6	1312/ 1712.4	1413/ 1732.6	1513/ 1752.6	4132/ 826.4	4182/ 836.4	4233/ 846.6
RMC	12.2kbps RMC	23.53	23.59	23.54	23.60	23.58	23.56	22.80	22.74	22.87
HSDPA	Sub –Test 1	22.90	22.92	22.98	22.81	22.85	22.91	21.60	21.28	20.94
	Sub –Test 2	22.87	22.88	22.80	22.82	22.82	22.88	21.55	21.77	21.50
	Sub –Test 3	22.72	22.72	22.74	22.82	22.86	22.72	20.71	20.31	20.61
	Sub –Test 4	22.86	22.87	22.70	22.72	22.82	22.86	21.26	21.04	21.15
HSUPA	Sub –Test 1	22.75	22.78	22.88	22.87	22.74	22.83	22.27	22.06	22.52
	Sub –Test 2	22.76	22.70	22.83	22.76	22.89	22.78	21.40	20.84	21.39
	Sub –Test 3	22.86	22.89	22.82	22.85	22.83	22.73	22.04	21.71	21.76
	Sub –Test 4	22.71	22.72	22.83	22.88	22.79	22.71	20.58	20.96	20.93
	Sub –Test 5	22.79	22.70	22.72	22.88	22.87	22.77	21.04	21.30	20.91

4.1.1 Radiated Output Power

TEST DESCRIPTION

This is the test for the maximum radiated power from the EUT.
Rule Part 24.232(c) specifies, "Mobile/portable stations are limited to 2 watts e.i.r.p. Peak power" and 24.232(e) specifies that "Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage."
Rule Part 22.913(a) specifies ” The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.”
Per Part 27.50(d) (4) specifies, Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755MHz band are limited to 1W EIRP. Fixed stations operating in this band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in this band must employ a means for limiting power to the minimum necessary for successful communications.

TEST CONFIGURATION



TEST PROCEDURE

1. EUT was placed on a 1.50 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.50m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
3. The EUT is then put into continuously transmitting mode at its maximum power level during the test.Set Test Receiver or Spectrum RBW=10MHz,VBW=10MHz, And the maximum value of the receiver should be recorded as (P_r).

4. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (P_{cl}) ,the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test.
   The measurement results are obtained as described below:
   Power(EIRP)=P_{Mea}+ P_{Ag} - P_{cl} + G_a
6. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
7. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP-2.15dBi.

TEST LIMIT

According to 22.913(a)(5), 24.232(c), §27.50(d) the ERP(EIRP) should be not exceeding following table limits:

	Burst Average EIRP
UMTS Band II	FCC: ≤33.01dBm (2W)

	Burst Average ERP
UMTS Band V	FCC: ≤38.45dBm (7W)

	Burst Average EIRP
UMTS Band IV	FCC: ≤30.00dBm (1W)

TEST RESULTS

Remark:

1. *We were tested all Configuration refer 3GPP TS134 121.*
2. *EIRP=P_{Mea}(dBm)-P_{cl}(dB)+P_{Ag}(dB)+G_a(dBi)*
3. *ERP = EIRP – 2.15dBi as EIRP by subtracting the gain of the dipole.*
4. *Margin = Emission Level - Limit*
5. *We tested the worst-case records for H and V directions, and only the worst-case records for V direction were recorded in the report.*

UMTS/TM1/UMTS Band II

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1852.4	-18.84	4.03	8.38	35.51	21.02	33.01	-11.99	V
1880.0	-18.45	4.08	8.33	35.56	21.36	33.01	-11.65	V
1907.6	-18.68	4.14	8.26	35.63	21.07	33.01	-11.94	V

UMTS/TM1/UMTS Band V

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	Correction (dB)	P_{Ag} (dB)	Burst Average ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
826.4	-16.27	3.45	8.45	2.15	33.79	20.37	38.45	-18.08	V
836.4	-16.22	3.49	8.45	2.15	33.85	20.44	38.45	-18.01	V
846.6	-16.07	3.55	8.36	2.15	33.88	20.47	38.45	-17.98	V

UMTS/TM1/UMTS Band IV

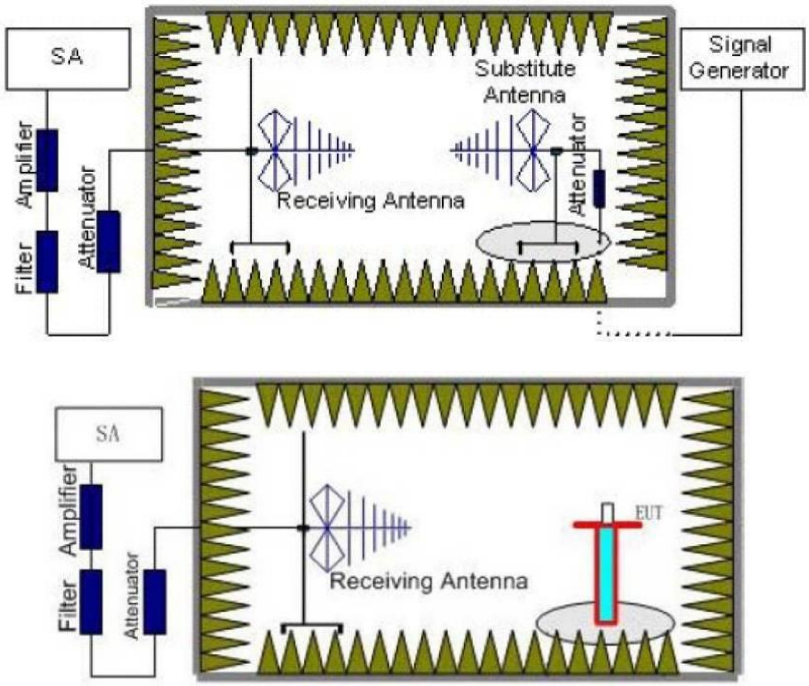
Frequency (MHz)	PMea (dBm)	Pcl (dB)	Ga Antenna Gain (dB)	PAg (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1712.4	-19.07	3.93	9.05	34.96	21.01	30.00	-8.99	V
1732.6	-18.88	3.93	8.89	35.01	21.09	30.00	-8.91	V
1752.6	-19.33	3.94	8.76	35.08	20.57	30.00	-9.43	V

4.2 Radiated Spurious Emssion

TEST APPLICABLE

According to the TIA-603-E:2016 and FCC Part 2.1033 test method, The Receiver or Spectrum was scanned from lowest frequency frequency generated within the equipment to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier that can be as high as 1910 MHz. The resolution bandwidth is set as outlined in Part 24.238, Part 22.917, Part 27.53 The spectrum is scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of WCDMA Band II , WCDMA Band V and WCDMA Band IV.

TEST CONFIGURATION



TEST PROCEDURE

1. EUT was placed on a 1.50 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.50 m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
3. The EUT is then put into continuously transmitting mode at its maximum power level during the test.Set Test Receiver or Spectrum RBW=1MHz,VBW=3MHz, And the maximum value of the receiver should be recorded as (P_r).
4. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (P_{cl}) ,the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test.
   The measurement results are obtained as described below:
   Power(EIRP)=P_{Mea}+ P_{Ag} - P_{cl} + G_a
6. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
7. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP -2.15dBi.
8. In order to make sure test results more clearly,we set frequency range and sweep time for difference frequency range as follows table:

Working Frequency	Subrange (GHz)	RBW	VBW	Sweep time (s)
UMTS/TM1/ WCDMA Band V	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~10	1 MHz	3 MHz	3
UMTS/TM1/ WCDMA Band II	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3
	11~14	1 MHz	3 MHz	3
	14~18	1 MHz	3 MHz	3
	18~20	1 MHz	3 MHz	2
UMTS/TM1/ WCDMA Band IV	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3
	11~14	1 MHz	3 MHz	3
	14~18	1 MHz	3 MHz	3

TEST LIMITS

According to 24.238, 22.917,27.53, specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The specification that emissions shall be attenuated below the transmitter power (P) by at least 43 + 10 log (P) dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

Frequency	Channel	Frequency Range	Verdict
UMTS/TM1/ WCDMA Band V	Low	9KHz - 10GHz	PASS
	Middle	9KHz - 10GHz	PASS
	High	9KHz - 10GHz	PASS
UMTS/TM1/ WCDMA Band II	Low	9KHz - 20GHz	PASS
	Middle	9KHz - 20GHz	PASS
	High	9KHz - 20GHz	PASS
UMTS/TM1/ WCDMA Band IV	Low	9KHz – 18GHz	PASS
	Middle	9KHz – 18GHz	PASS
	High	9KHz – 18GHz	PASS

TEST RESULTS

Remark:
1. We were tested all Configuration refer 3GPP TS134 121.
2. EIRP=P_{Mea}(dBm)-P_{cl}(dB)+P_{Ag}(dB)+G_a(dBi)
3. ERP = EIRP – 2.15dBi as EIRP by subtracting the gain of the dipole.
4. Margin = EIRP - Limit

Note: All adapteres and all the modes have been tested and recorded worst mode in the report.

UMTS/TM1/ WCDMA Band II _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3704.8	-39.46	5.26	3.00	9.88	-34.84	-13.00	-21.84	H
5557.2	-44.74	6.11	3.00	11.36	-39.49	-13.00	-26.49	H
3704.8	-44.32	5.26	3.00	9.88	-39.70	-13.00	-26.70	V
5557.2	-48.19	6.11	3.00	11.36	-42.94	-13.00	-29.94	V

UMTS/TM1/ WCDMA Band II _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.0	-37.77	5.32	3.00	10.03	-33.06	-13.00	-20.06	H
5640.0	-43.97	6.19	3.00	11.41	-38.75	-13.00	-25.75	H
3760.0	-43.35	5.32	3.00	10.03	-38.64	-13.00	-25.64	V
5640.0	-47.50	6.19	3.00	11.41	-42.28	-13.00	-29.28	V

UMTS/TM1/ WCDMA Band II _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3815.2	-43.59	5.36	3.00	9.62	-39.33	-13.00	-26.33	H
5722.8	-51.79	6.24	3.00	11.46	-46.57	-13.00	-33.57	H
3815.2	-46.91	5.36	3.00	9.62	-42.65	-13.00	-29.65	V
5722.8	-53.28	6.24	3.00	11.46	-48.06	-13.00	-35.06	V

UMTS/TM1/ WCDMA Band V _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1652.8	-47.88	3.86	3.00	8.56	-43.18	-13.00	-30.18	H
2479.2	-49.07	4.29	3.00	6.98	-46.38	-13.00	-33.38	H
1652.8	-44.57	3.86	3.00	8.56	-39.87	-13.00	-26.87	V
2479.2	-44.65	4.29	3.00	6.98	-41.96	-13.00	-28.96	V

UMTS/TM1/ WCDMA Band V _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1672.8	-49.69	3.9	3.00	8.58	-45.01	-13.00	-32.01	H
2509.2	-51.36	4.32	3.00	6.8	-48.88	-13.00	-35.88	H
1672.8	-45.17	3.9	3.00	8.58	-40.49	-13.00	-27.49	V
2509.2	-45.52	4.32	3.00	6.8	-43.04	-13.00	-30.04	V

UMTS/TM1/ WCDMA Band V _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1693.2	-52.17	3.91	3.00	9.06	-47.02	-13.00	-34.02	H
2539.8	-54.81	4.32	3.00	6.65	-52.48	-13.00	-39.48	H
1693.2	-49.47	3.91	3.00	9.06	-44.32	-13.00	-31.32	V
2539.8	-51.04	4.32	3.00	6.65	-48.71	-13.00	-35.71	V

UMTS/TM1/ WCDMA Band IV _ Low Channel

Frequency (MHz)	PMea (dBm)	Pcl (dB)	Diatance	Ga Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3424.8	-45.57	4.62	3.00	9.81	-40.38	-13.00	-27.38	H
5137.2	-50.20	5.94	3.00	10.86	-45.28	-13.00	-32.28	H
3424.8	-48.67	4.62	3.00	9.81	-43.48	-13.00	-30.48	V
5137.2	-53.17	5.94	3.00	10.86	-48.25	-13.00	-35.25	V

UMTS/TM1/ WCDMA Band IV _ Middle Channel

Frequency (MHz)	PMea (dBm)	Pcl (dB)	Diatance	Ga Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.2	-41.29	4.63	3.00	9.84	-36.08	-13.00	-23.08	H
5197.8	-46.25	5.94	3.00	10.86	-41.33	-13.00	-28.33	H
3465.2	-44.58	4.63	3.00	9.84	-39.37	-13.00	-26.37	V
5197.8	-49.16	5.94	3.00	10.86	-44.24	-13.00	-31.24	V

UMTS/TM1/ WCDMA Band IV _ High Channel

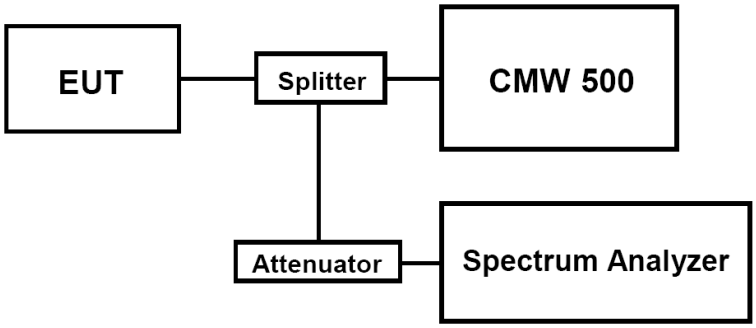
Frequency (MHz)	PMea (dBm)	Pcl (dB)	Diatance	Ga Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3505.2	-48.26	4.65	3.00	9.9	-43.01	-13.00	-30.01	H
5257.8	-51.47	5.95	3.00	10.91	-46.51	-13.00	-33.51	H
3505.2	-50.75	4.65	3.00	9.9	-45.50	-13.00	-32.50	V
5257.8	-53.59	5.95	3.00	10.91	-48.63	-13.00	-35.63	V

4.3 Occupied Bandwidth and Emission Bandwith

TEST APPLICABLE

Similar to conducted emissions; occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. The table below lists the measured 99% Bandwidth and -26dBc Bandwidth.

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT was set up for the max output power with pseudo random data modulation;
2. The Occupied bandwidth and Emission Bandwidth were measured with Aglient Spectrum Analyzer N9020A (peak);
3. Set RBW=100KHz,VBW=300KHz,Span=10MHz,SWT=Auto;
4. Set SPA Max hold and View, Set 99% Occupied Bandwidth/ Set -26dBc Occupied Bandwidth
5. These measurements were done at 3 frequencies for WCDMA band II/IV/V. (low, middle and high of operational frequency range).

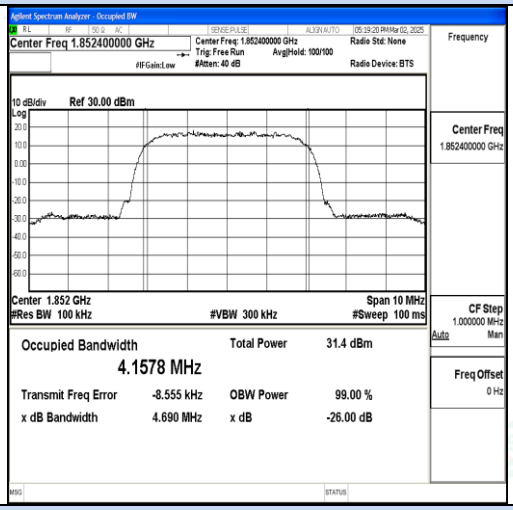
TEST RESULTS

Test Mode	Channel	Frequency (MHz)	Occupied Bandwidth (99% BW) (MHz)	Emission Bandwidth (-26 dBc BW) (MHz)	Verdict
UMTS/TM1/ WCDMA Band II	9262	1852.4	4.1578	4.690	PASS
	9400	1880.0	4.1436	4.708	PASS
	9538	1907.6	4.1560	4.721	PASS
UMTS/TM1/ WCDMA Band V	4132	826.4	4.1616	4.699	PASS
	4182	836.4	4.1535	4.705	PASS
	4233	846.6	4.1405	4.701	PASS
UMTS/TM1/ WCDMA Band IV	1312	1712.4	4.1620	4.705	PASS
	1413	1732.6	4.1432	4.714	PASS
	1513	1752.6	4.1536	4.693	PASS

Remark:
1. *Test results including cable loss;*
2. *Please refer to following plots;*

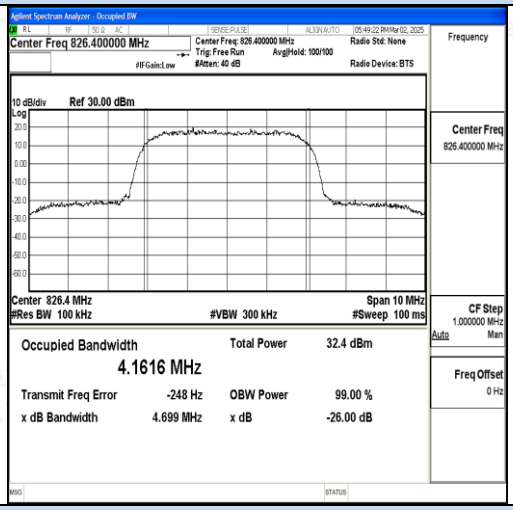
Occupied Bandwidth and Emission Bandwidth

UMTS/TM1/ WCDMA Band II

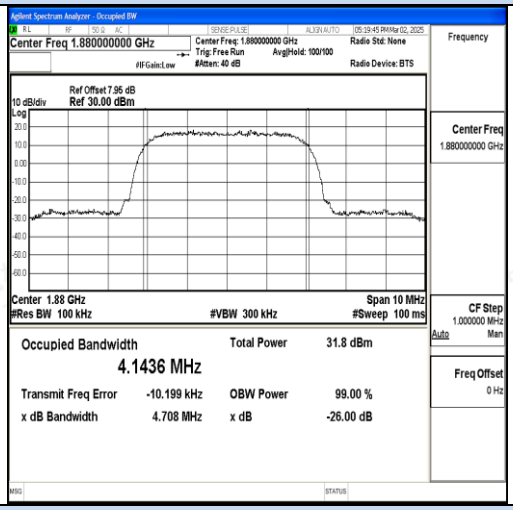


Channel 9262 / 1852.4 MHz

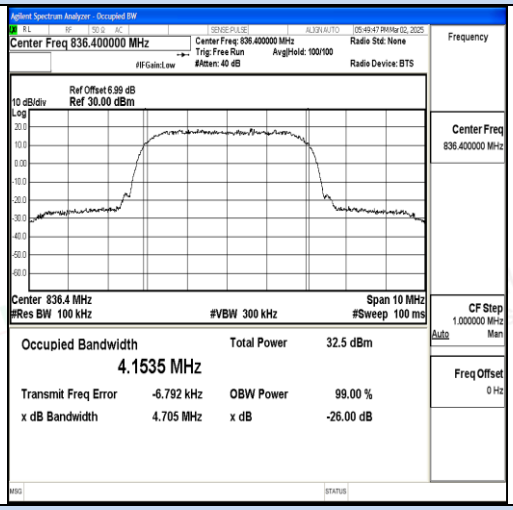
UMTS/TM1/ WCDMA Band V



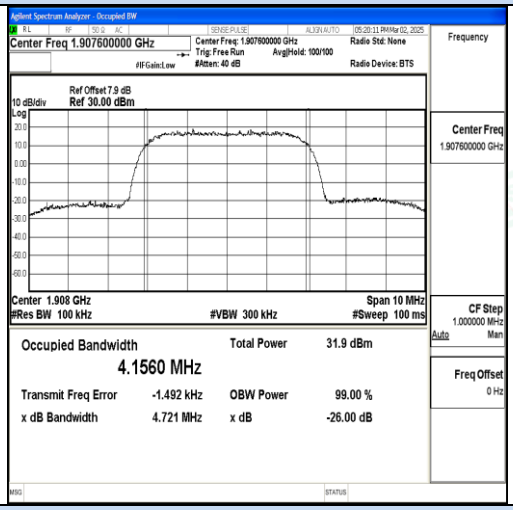
Channel 4132 / 826.4 MHz



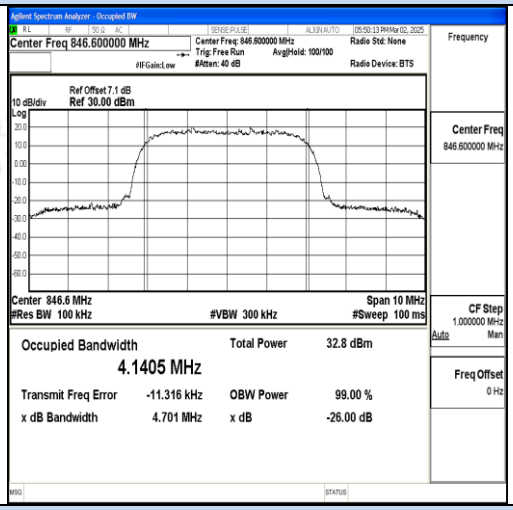
Channel 9400 / 1880.0 MHz



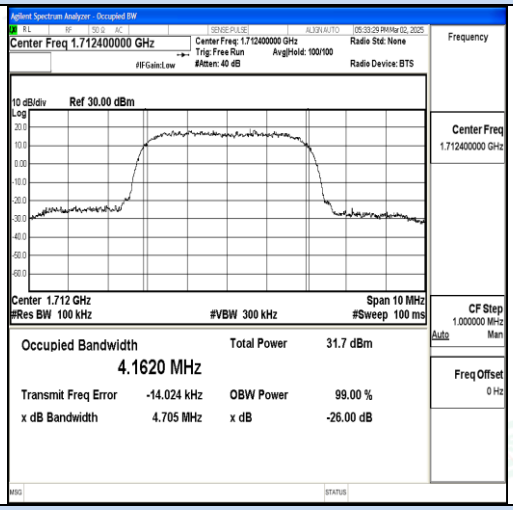
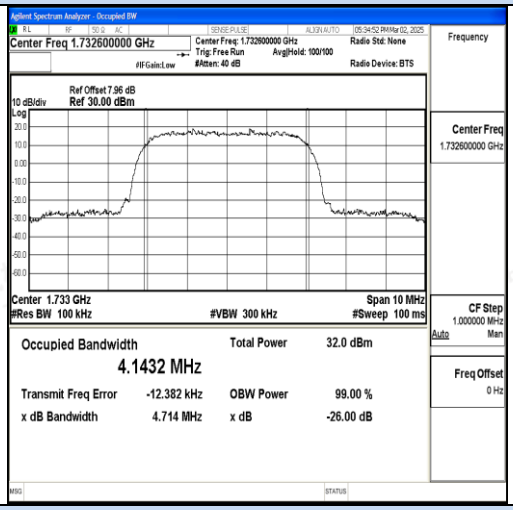
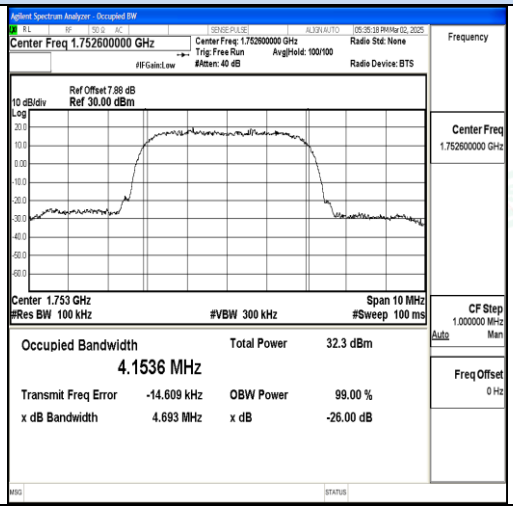
Channel 4182 / 836.4 MHz



Channel 9538 / 1907.6 MHz



Channel 4233 / 846.6 MHz

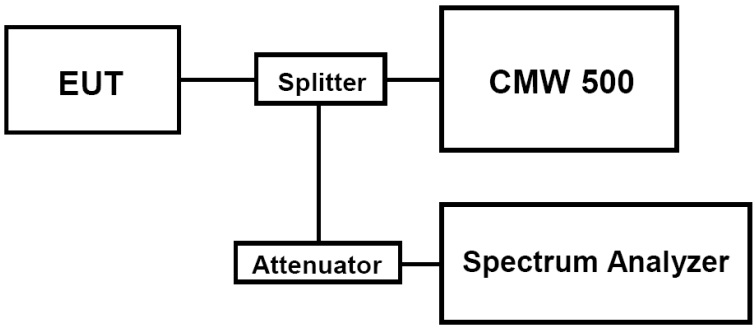
Occupied Bandwidth and Emission Bandwidth	
UMTS/TM1/ WCDMA Band IV	
	
Channel 1312 / 1712.4 MHz	
	
Channel 1413 / 1732.6 MHz	
	
Channel 1513 / 1752.6 MHz	

4.4 Band Edge Compliance

TEST APPLICABLE

During the process of testing, the EUT was controlled via R&S WIDEBAND RADIO COMMUNICATION TESTER (CMW 500) to ensure max power transmission and proper modulation.

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT was set up for the max output power with pseudo random data modulation;
2. The power was measured with Spectrum Analyzer N9020A;
3. Set RBW=100KHz,VBW=300KHz,Span=2MHz,SWT=Auto,Dector: RMS;

These measurements were done at 2 frequencies for WCDMA band II/IV/V. (low and high of operational frequency range).

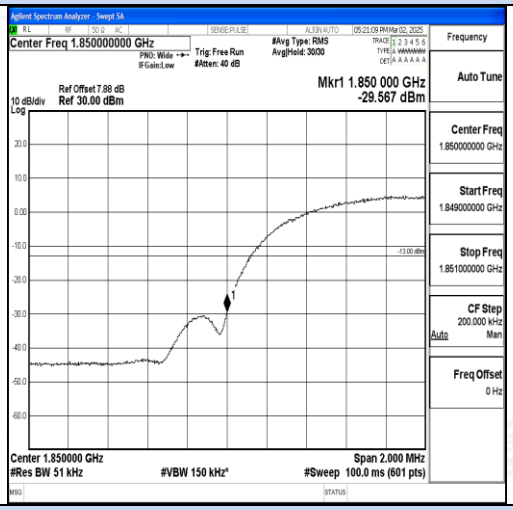
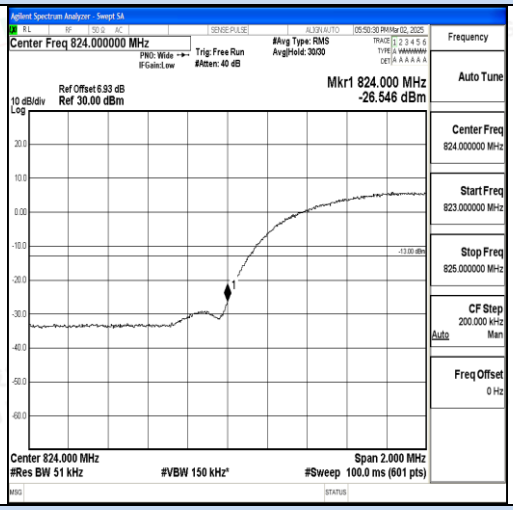
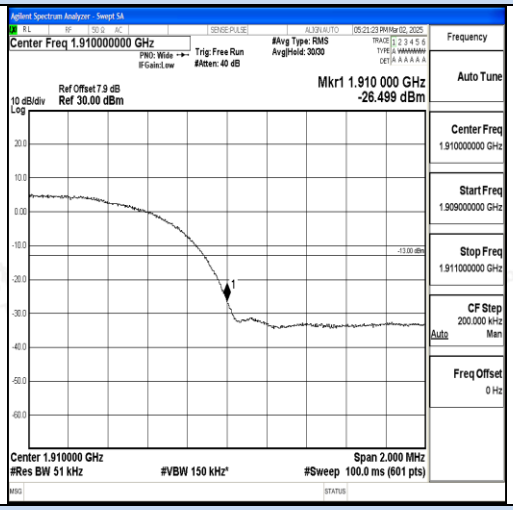
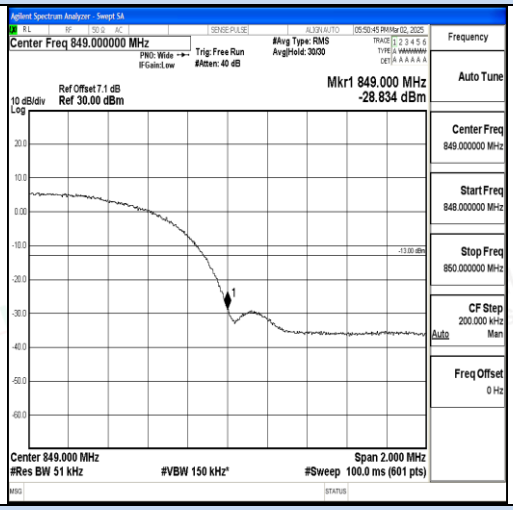
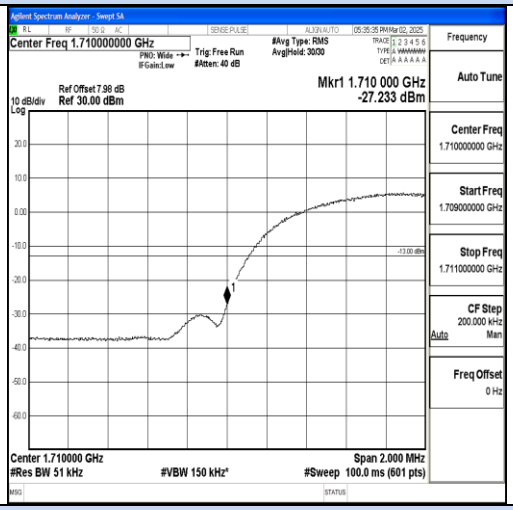
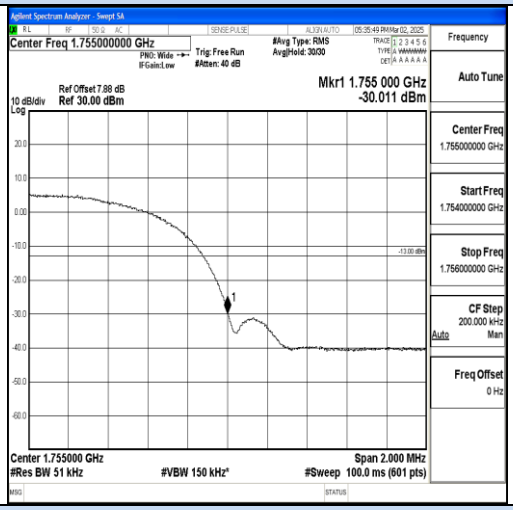
TEST RESULTS

UMTS/TM1/WCDMA Band II					
Test Mode	Channel	Frequency (MHz)	Band Edg Compliance (dBm)	Limits (dBm)	Verdict
UMTS/TM1/WCDMA Band II	9262	1852.4	<-13dBm	-13dBm	PASS
	9538	1907.6	<-13dBm	-13dBm	
UMTS/TM1/WCDMA Band V					
Test Mode	Channel	Frequency (MHz)	Band Edg Compliance (dBm)	Limits (dBm)	Verdict
UMTS/TM1/WCDMA Band V	4132	826.4	<-13dBm	-13dBm	PASS
	4233	846.6	<-13dBm	-13dBm	

UMTS/TM1/WCDMA Band IV					
Test Mode	Channel	Frequency (MHz)	Band Edg Compliance (dBm)	Limits (dBm)	Verdict
UMTS/TM1/WCDMA Band IV	1312	1712.4	<-13dBm	-13dBm	PASS
	1513	1752.6	<-13dBm	-13dBm	

Remark:

1. *Test results including cable loss;*
2. *Please refer to following plots;*

Band-edge Compliance	
UMTS/TM1/WCDMA Band II	UMTS/TM1/WCDMA Band V
	
Channel 9262 / 1852.4 MHz	Channel 4132 / 826.4 MHz
	
Channel 9538 / 1907.6 MHz	Channel 4233 / 846.6 MHz
UMTS/TM1/WCDMA Band IV	UMTS/TM1/WCDMA Band IV
	
Channel 1312 / 1712.4 MHz	Channel 1513 / 1752.6 MHz

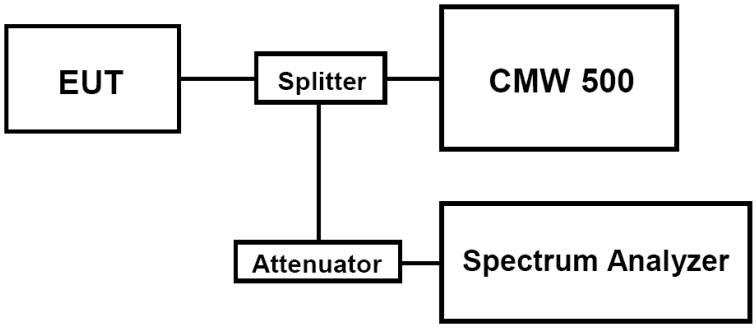
4.5 Spurious Emssion on Antenna Port

TEST APPLICABLE

The following steps outline the procedure used to measure the conducted emissions from the EUT.

1. Determine frequency range for measurements: From CFR 2.1057 the spectrum should be investigated from the lowest radio frequency generated in the equipment up to at least the 10th harmonic of the carrier frequency. For the equipment of WCDMA band II, this equates to a frequency range of 9 KHz to 19GHz, data taken from 30 MHz to 19 GHz. For WCDMA Band V, this equates to a frequency range of 9 KHz to 9 GHz,data taken from 30 MHz to 9 GHz. For WCDMA Band IV, this equates to a frequency range of 9 KHz to 18 GHz,data taken from 30 MHz to 18GHz.
2. The sweep time is set automatically by instrument itself. That should be the optimal sweep time for the span and the RBW. If the sweep time is too short, that is sweep is too fast, the sweep result is not accurate; if the sweep time is too long, that is sweep is too low, some frequency components may be lost. The instrument will give an optimal sweep time according the selected span and RBW.
3. The procedure to get the conducted spurious emission is as follows:
   The trace mode is set to MaxHold to get the highest signal at each frequency;
   Wait 25 seconds;
   Get the result.
4. Determine EUT transmit frequencies: below outlines the band edge frequencies pertinent to conducted emissions testing.

TEST CONFIGURATION



TEST PROCEDURE

1. The EUT was set up for the max output power with pseudo random data modulation;
2. The power was measured with Spectrum Analyzer N9020A;
3. These measurements were done at 3 frequencies for WCDMA band II/IV/V. (low, middle and high of operational frequency range).

TEST LIMIT

Part 24.238, Part 22.917, Part 27.53, specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The specification that emissions shall be attenuated below the transmitter power (P) by at least 43 + 10 log (P) dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

TEST RESULTS

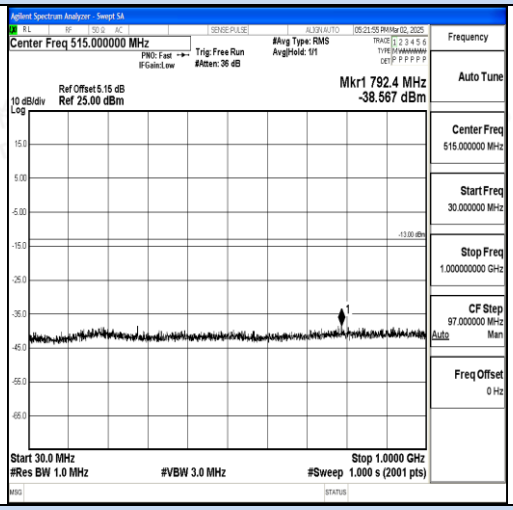
Test Mode	Channel	Frequency (MHz)	Spurious RF Conducted Emission (dBm)	Limits (dBm)	Verdict
UMTS/TM1/WCDMA Band II	9262	1852.4	<-13dBm	-13dBm	PASS
	9400	1880.0	<-13dBm	-13dBm	
	9538	1907.6	<-13dBm	-13dBm	
UMTS/TM1/WCDMA Band V	4132	826.4	<-13dBm	-13dBm	PASS
	4182	836.4	<-13dBm	-13dBm	
	4233	846.6	<-13dBm	-13dBm	
UMTS/TM1/WCDMA Band IV	1312	1712.4	<-13dBm	-13dBm	PASS
	1413	1732.6	<-13dBm	-13dBm	
	1513	1752.6	<-13dBm	-13dBm	

Remark:
1. *Test results including cable loss;*
2. *Please refer to following plots;*
3. *Not reorded test plots from 9 KHz to 30 MHz as emission levels 20dB lower than emission limit;*

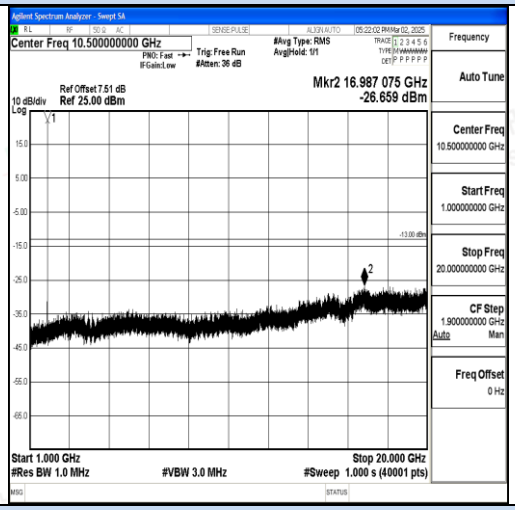
Spurious Emssion on Antenna Port

UMTS/TM1/WCDMA Band II

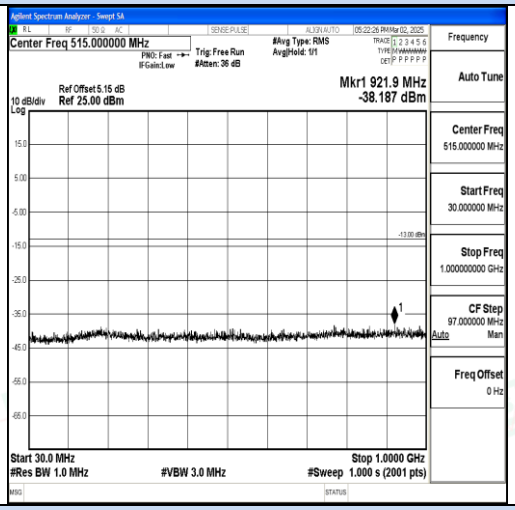
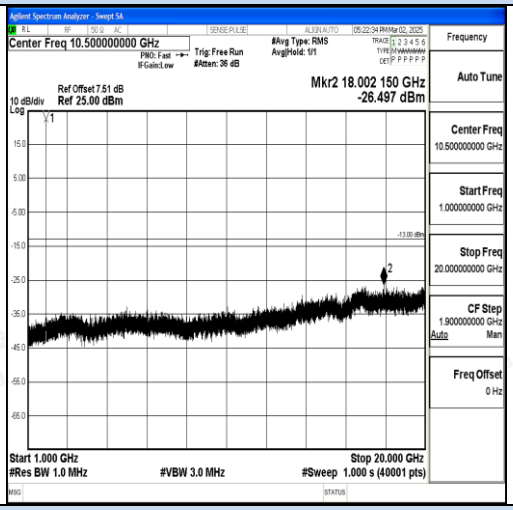
Channel 9262 / 1852.4 MHz

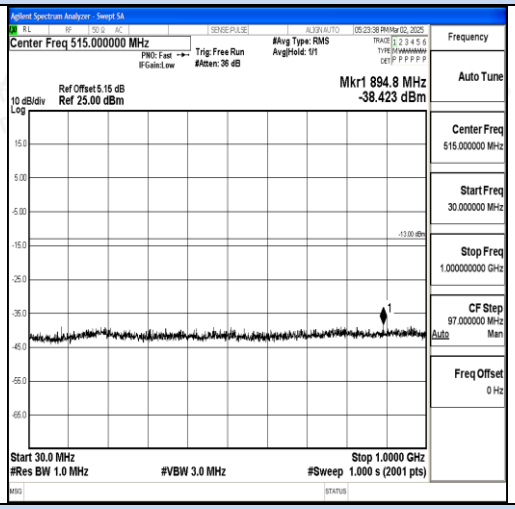
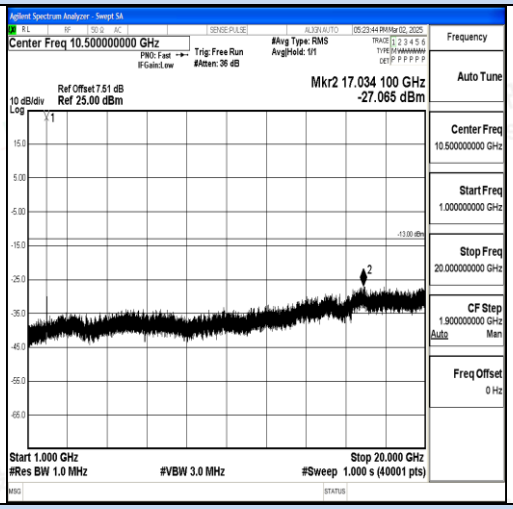


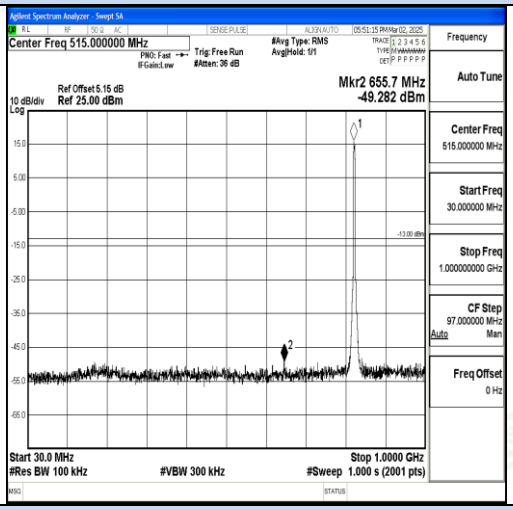
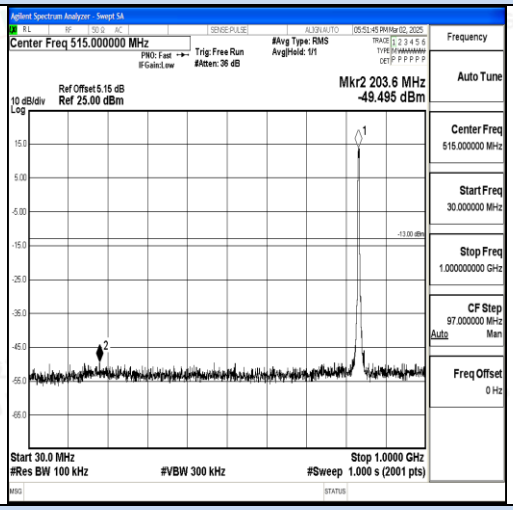
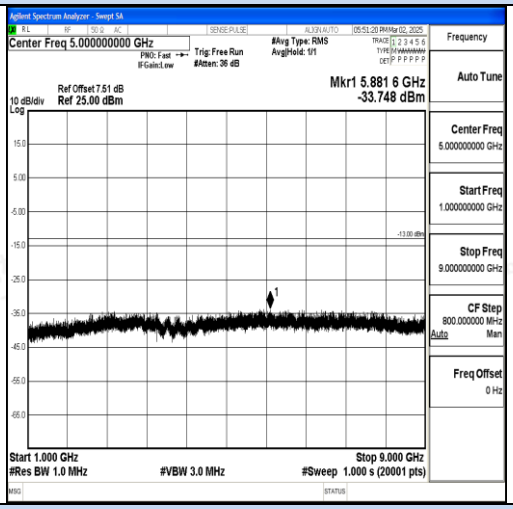
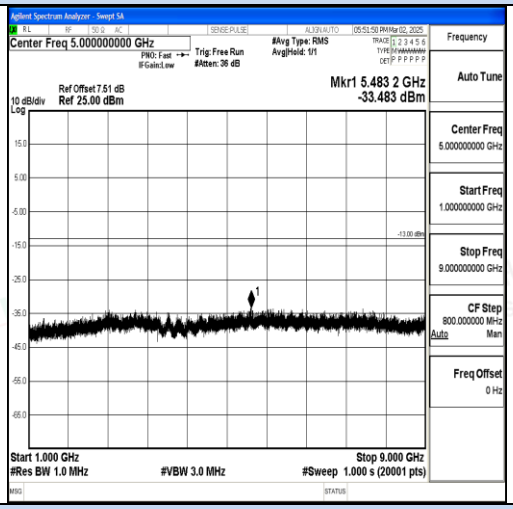
30 MHz – 1000 MHz

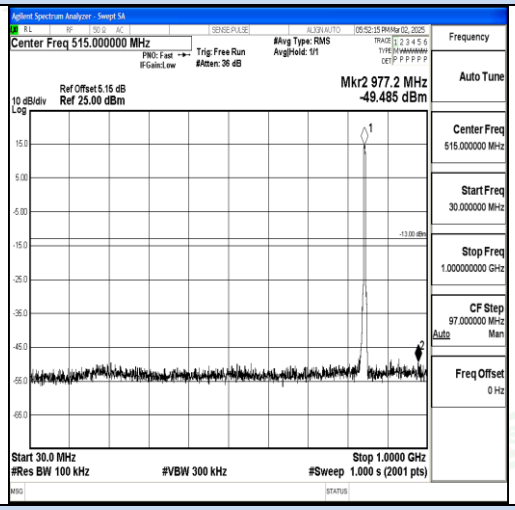
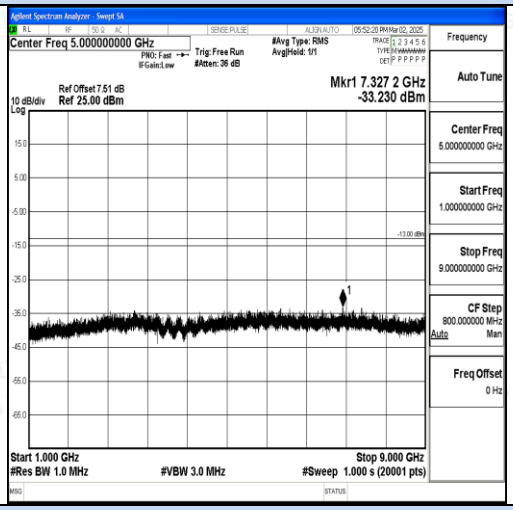


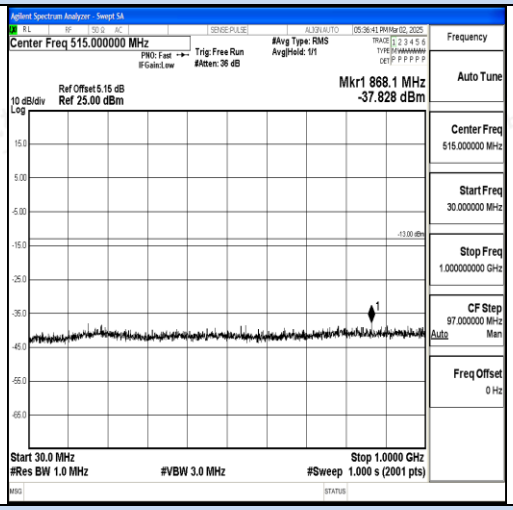
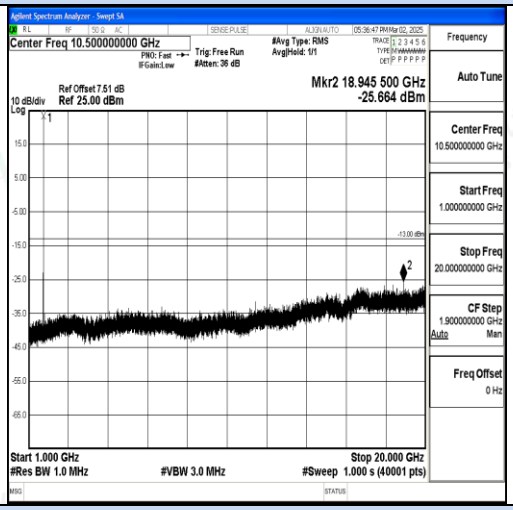
1 GHz – 20 GHz

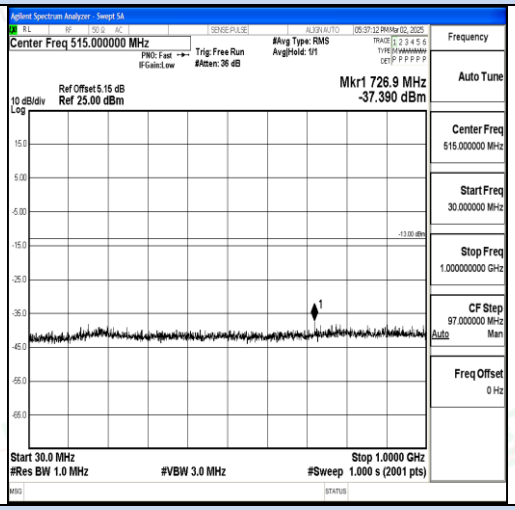
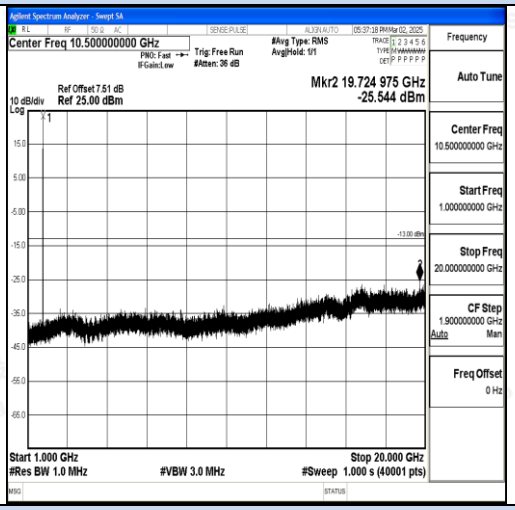
Spurious Emssion on Antenna Port	
UMTS/TM1/WCDMA Band II	
Channel 9400 / 1880 MHz	
	
30 MHz – 1000 MHz	1 GHz – 20 GHz

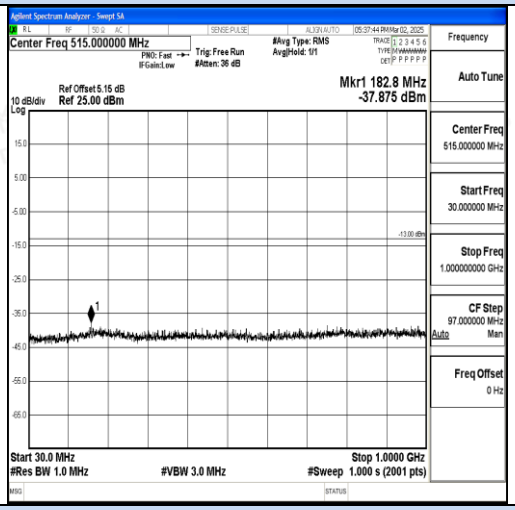
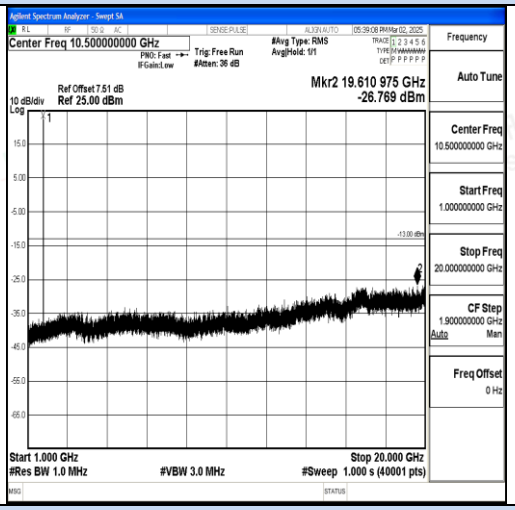
Spurious Emssion on Antenna Port	
UMTS/TM1/WCDMA Band II	
Channel 9538 / 1907.6 MHz	
	
30 MHz – 1000 MHz	1 GHz – 20 GHz

Spurious Emssion on Antenna Port	
UMTS/TM1/WCDMA Band V	
Channel 4132 / 826.4 MHz	Channel 4182 / 836.4 MHz
	
30 MHz – 1000 MHz	30 MHz – 1000 MHz
	
1 GHz – 9 GHz	1 GHz – 9 GHz

Spurious Emssion on Antenna Port	
UMTS/TM1/WCDMA Band V	
Channel 4233 / 846.6 MHz	*Channel 4233 / 846.6 MHz*
	
30 MHz – 1000 MHz	*1 GHz – 9 GHz*

Spurious Emssion on Antenna Port	
UMTS/TM1/WCDMA Band IV	
Channel 1312 / 1712.4 MHz	
	
30 MHz – 1000 MHz	*1 GHz – 20 GHz*

Spurious Emssion on Antenna Port	
UMTS/TM1/WCDMA Band IV	
Channel 1413 / 1732.6 MHz	
	
30 MHz – 1000 MHz	1 GHz – 20 GHz

Spurious Emssion on Antenna Port	
UMTS/TM1/WCDMA Band IV	
Channel 1513 / 1752.6 MHz	
	
30 MHz – 1000 MHz	1 GHz – 20 GHz

4.6 Frequency Stability Test

TEST APPLICABLE

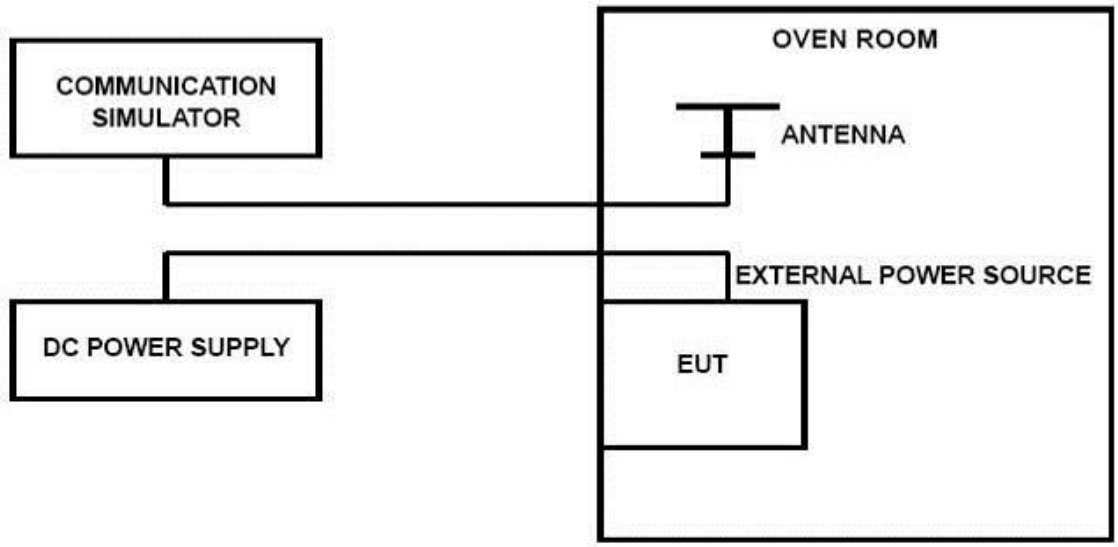
1. According to FCC Part 2 Section 2.1055 (a)(1), the frequency stability shall be measured with variation of ambient temperature from -30℃ to +50℃ centigrade.
2. According to FCC Part 2 Section 2.1055 (e)(2), for battery powered equipment, the frequency stability shall be measured with reducing primary supply voltage to the battery operating end point, which is specified by the manufacture.
3. Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried voltage equipment and the end voltage point was 3.3V.

TEST PROCEDURE

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a “call mode”. This is accomplished with the use of R&S WIDEBAND RADIO COMMUNICATION TESTER (CMW 500).

1. Measure the carrier frequency at room temperature;
2. Subject the EUT to overnight soak at -30℃;
3. With the EUT, powered via nominal voltage, connected to the CMW 500 and in a simulated call on middle channel of WCDMA band II/IV/V, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming;
4. Repeat the above measurements at 10℃ increments from -30℃ to +50℃. Allow at least 0.5 hours at each temperature, unpowered, before making measurements;
5. Remeasure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments remeasuring carrier frequency at each voltage. Pause at nominal voltage for 0.5 hours unpowered, to allow any self-heating to stabilize, before continuing;
6. Subject the EUT to overnight soak at +50℃;
7. With the EUT, powered via nominal voltage, connected to the CMW 500 and in a simulated call on the centre channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming;
8. Repeat the above measurements at 10℃ increments from +50℃ to -30℃. Allow at least 0.5 hours at each temperature, unpowered, before making measurements;
9. At all temperature levels hold the temperature to +/- 0.5℃ during the measurement procedure;

TEST CONFIGURATION



TEST LIMITS

For Hand carried battery powered equipment

According to the JTC standard the frequency stability of the carrier shall be accurate to within 0.1 ppm of the received frequency from the base station. This accuracy is sufficient to meet Sec. 24.235, Frequency Stability. The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. As this transceiver is considered "Hand carried, battery powered equipment" Section 2.1055(d)(2) applies. This requires that the lower voltage for frequency stability testing be specified by the manufacturer. This transceiver is specified to operate with an input voltage of between 3.40VDC and 4.30VDC, with a nominal voltage of 3.80DC. Operation above or below these voltage limits is prohibited by transceiver software in order to prevent improper operation as well as to protect components from overstress. These voltages represent a tolerance of -10 % and +12.5 %. For the purposes of measuring frequency stability these voltage limits are to be used.

For equipment powered by primary supply voltage

According to the JTC standard the frequency stability of the carrier shall be accurate to within 0.1 ppm of the received frequency from the base station. This accuracy is sufficient to meet Sec. 24.235, Frequency Stability. The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. For this EUT section 2.1055(d)(1) applies. This requires varying primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment.

TEST RESULTS

UMTS/TM1/WCDMA Band II					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	25	-59	-0.031	2.50	PASS
VN	25	-42	-0.022	2.50	PASS
VH	25	52	0.028	2.50	PASS
VN	-30	7	0.004	2.50	PASS
VN	-20	-20	-0.011	2.50	PASS
VN	-10	28	0.015	2.50	PASS
VN	0	5	0.003	2.50	PASS
VN	10	-45	-0.024	2.50	PASS
VN	20	59	0.031	2.50	PASS
VN	30	56	0.030	2.50	PASS
VN	40	-46	-0.025	2.50	PASS
VN	50	39	0.021	2.50	PASS

UMTS/TM1/WCDMA Band V					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	25	-10	-0.012	2.50	PASS
VN	25	13	0.015	2.50	PASS
VH	25	53	0.064	2.50	PASS
VN	-30	-35	-0.042	2.50	PASS
VN	-20	42	0.050	2.50	PASS
VN	-10	-11	-0.013	2.50	PASS
VN	0	-24	-0.029	2.50	PASS
VN	10	-58	-0.069	2.50	PASS
VN	20	24	0.028	2.50	PASS
VN	30	43	0.051	2.50	PASS
VN	40	-7	-0.008	2.50	PASS
VN	50	-53	-0.064	2.50	PASS

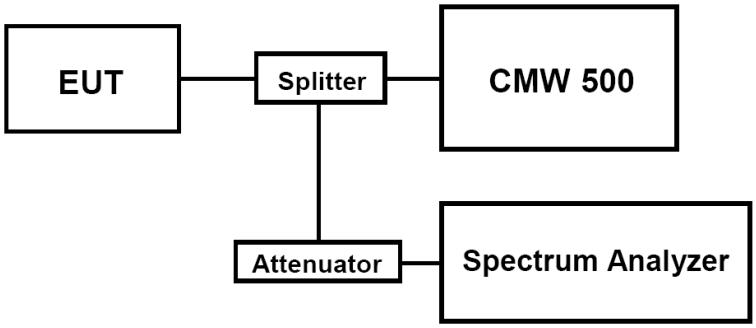
UMTS/TM1/WCDMA Band IV					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	25	26	0.015	±2.50	PASS
VN	25	-4	-0.002	±2.50	PASS
VH	25	-28	-0.016	±2.50	PASS
VN	-30	-23	-0.013	±2.50	PASS
VN	-20	43	0.025	±2.50	PASS
VN	-10	49	0.028	±2.50	PASS
VN	0	41	0.024	±2.50	PASS
VN	10	22	0.013	±2.50	PASS
VN	20	44	0.025	±2.50	PASS
VN	30	15	0.009	±2.50	PASS
VN	40	-34	-0.020	±2.50	PASS
VN	50	44	0.026	±2.50	PASS

4.7 Peak-to-Average Ratio (PAR)

LIMIT

The Peak-to-Average Ratio (PAR) of the transmission may not exceed 13 dB.

TEST CONFIGURATION



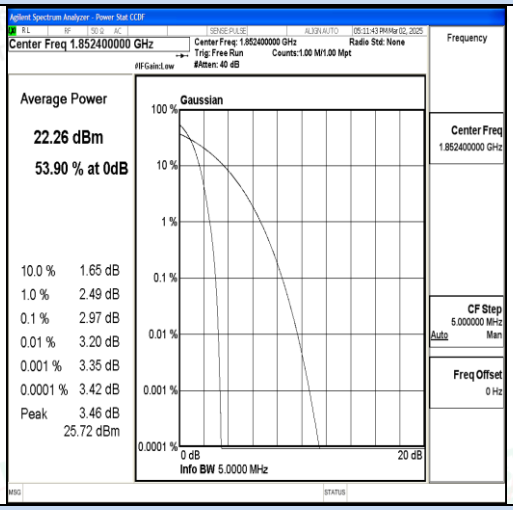
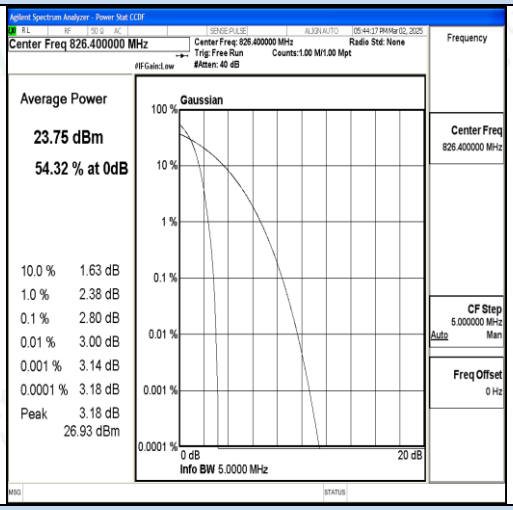
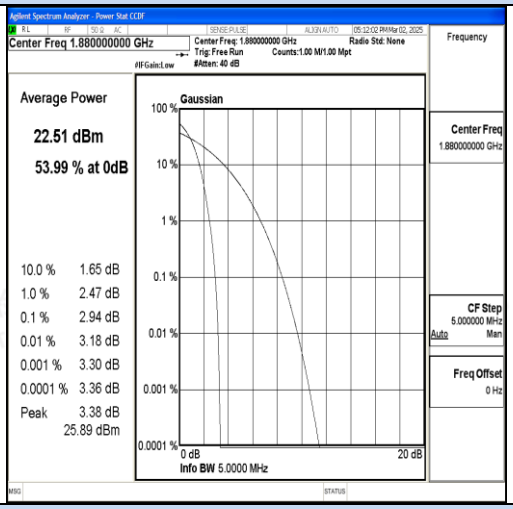
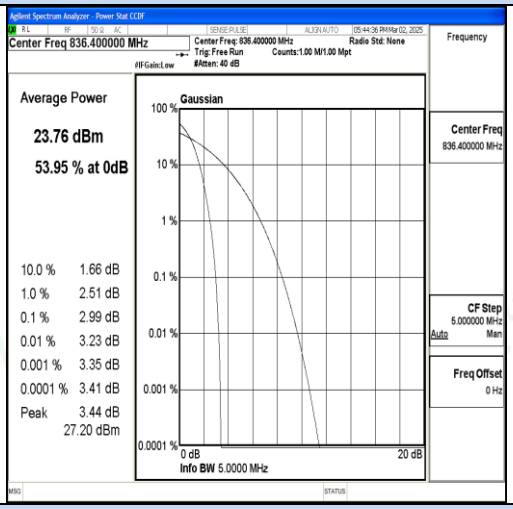
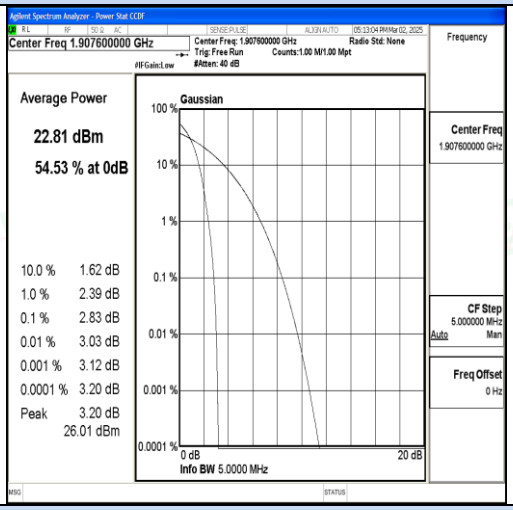
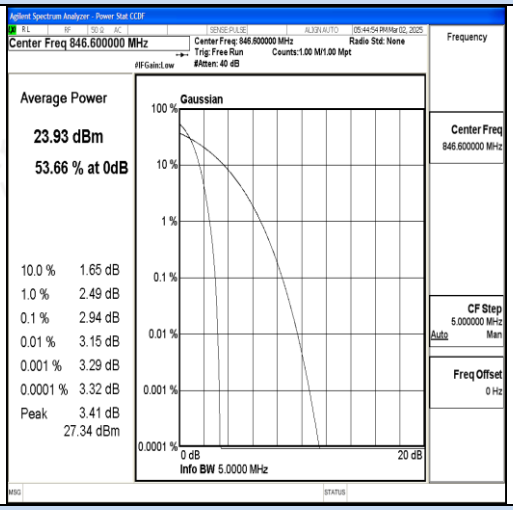
TEST PROCEDURE

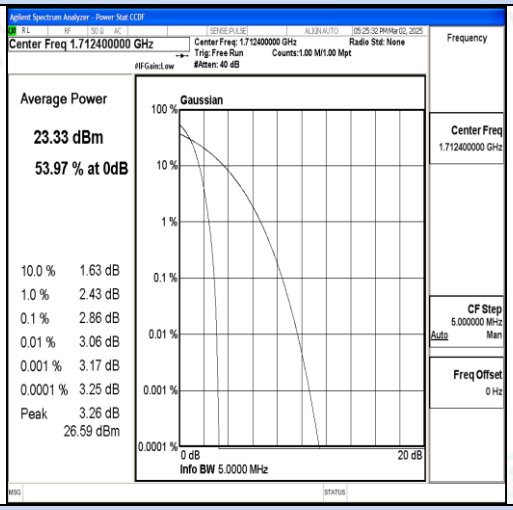
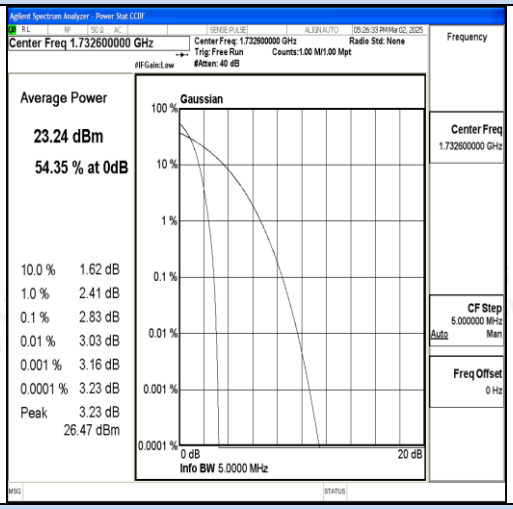
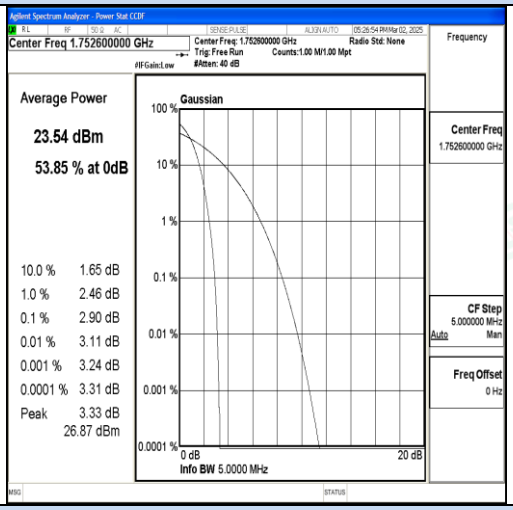
1. Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
2. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
3. Set the number of counts to a value that stabilizes the measured CCDF curve;
4. Set the measurement interval as follows:
   1). for continuous transmissions, set to 1 ms,
   2). for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.
5. Record the maximum PAPR level associated with a probability of 0.1%.

TEST RESULTS

Test Mode	Channel	Frequency (MHz)	PAPR Value (dB)	Limits (dB)	Verdict
UMTS/TM1/ WCDMA Band II	9262	1852.4	2.97	13.0	PASS
	9400	1880.0	2.94	13.0	PASS
	9538	1907.6	2.83	13.0	PASS
UMTS/TM1/ WCDMA Band V	4132	826.4	2.8	13.0	PASS
	4182	836.4	2.99	13.0	PASS
	4233	846.6	2.94	13.0	PASS
UMTS/TM1/ WCDMA Band IV	1312	1712.4	2.86	13.0	PASS
	1413	1732.6	2.83	13.0	PASS
	1513	1752.6	2.9	13.0	PASS

Remark:
1. *Test results including cable loss;*
2. *Please refer to following plots;*

Peak-to-Average Ratio (PAR)	
UMTS/TM1/ WCDMA Band II	UMTS/TM1/ WCDMA Band V
	
Channel 9262 / 1852.4 MHz	Channel 4132/ 826.4 MHz
	
Channel 9400 / 1880.0 MHz	Channel 4182/ 836.4 MHz
	
Channel 9538 / 1907.6 MHz	Channel 4233/ 846.6 MHz

Peak-to-Average Ratio (PAR)	
UMTS/TM1/ WCDMA Band IV	
	
Channel 1312 / 1712.4 MHz	
	
Channel 1413 / 1732.6 MHz	
	
Channel 1513 / 1752.6 MHz	

5 Test Setup Photos of the EUT

Please refer to separated files for Test Setup Photos of the EUT.

6 External Photos of the EUT

Please refer to separated files for External Photos of the EUT.

7 Internal Photos of the EUT

Please refer to separated files for Internal Photos of the EUT.

----------THE END OF TEST REPORT----------

FCC TEST REPORT

FOR

Lunar Industries inc.

Smart Phone

Test Model: BraX3

Prepared for	:	Lunar Industries inc.
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel	:	(+86)755-82591330
Fax	:	(+86)755-82591332
Web	:	www.LCS-cert.com
Mail	:	webmaster@LCS-cert.com
Date of receipt of test sample	:	February 26, 2025
Number of tested samples	:	2
Sample No.	:	A250303080-1, A250303080-2
Serial number	:	Prototype
Date of Test	:	February 26, 2025 ~ March 25, 2025
Date of Report	:	March 26, 2025

FCC PART 22/24/27/90 TEST REPORT

FCC Part 22H/Part 24E/Part 27/Part 90

Report Reference No. ..... :	**LCSA11204234EK**
FCC ID. ..... :	**2BN26-BRAX3**
Date of Issue..... :	**March 26, 2025**
Testing Laboratory Name ..... :	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address ..... :	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Applicant's name ..... :	**Lunar Industries inc.**
Address ..... :	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Test specification..... **:**	
Standard ..... :	**FCC CFR Title 47 Part 2, Part 22H, Part 24E, Part 27, Part 90 TIA-603-E: 2016 KDB971168 D01 Power Meas License Digital Systems v03r01**
Test Report Form No ..... :	LCSEMC-1.0
TRF Originator ..... :	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF ..... :	Dated 2011-03

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Test item description..... :	**Smart Phone**
Trade Mark..... :	Brax
Test Model ..... :	BraX3
Modulation Type ..... :	QPSK,16QAM
Ratings..... :	Please Refer to Page 7
Result..... :	**PASS**

Compiled by:	**Supervised by:**	**Approved by:**
Jack Liu/Administrator	Cary Luo/ Technique principal	Gavin Liang/ Manager

TEST REPORT

Test Report No. :	LCSA11204234EK	March 26, 2025 Date of issue

Test Model.....	:	BraX3
EUT.....	:	Smart Phone
Applicant.....	**:**	**Lunar Industries inc.**
Address.....	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	:	/
Fax.....	:	/
Manufacturer.....	**:**	**Lunar Industries inc.**
Address.....	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	:	/
Fax.....	:	/
Factory.....	**:**	**Sichuan koobee communication equipment Co., Ltd.**
Address.....	:	Building 2, No.69, West of gangyuan Road, Lingang economic and technological development zone, Yibin City, Sichuan Province, P.R.China
Telephone.....	:	/
Fax.....	:	/

Test Result:	**PASS**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revison History

Report Version	Issue Date	Revision Content	Revised By
000	March 26, 2025	Initial Issue	---

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1 TEST STANDARDS

The tests were performed according to following standards:
FCC Part 22H: Cellular Radiotelephone Service
FCC Part 24E: Broadband PCS
FCC Part 27: MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES
FCC Part 90: PRIVATE LAND MOBILE RADIO SERVICES
TIA-603-E March 2016: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.
47 CFR FCC Part 15 Subpart B: Unintentional Radiators
FCC Part 2: FREQUENCY ALLOCA-TIONS AND RADIO TREATY MAT-TERS; GENERAL RULES AND REG-ULATIONS
ANSI C63.4:2014: Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
FCC KDB971168 D01 Power Meas License Digital Systems v03r01

2 SUMMARY

2.1 Product Description

The **Lunar Industries inc.**'s Model: Smart Phoneor the "EUT" as referred to in this report; more general information as follows, for more details, refer to the user's manual of the EUT.

EUT	:	Smart Phone
Test Model	:	BraX3
Ratings	:	Input:5V⎓2A DC 3.87V by Rechargeable Li-ion Battery, 4900mAh
Hardware Version	:	KE115S_01
Software Version	:	V600.BX3.25032025.16.19.AD
Bluetooth	:	
Frequency Range	:	2402MHz~2480MHz
Channel Number	:	79 channels for Bluetooth V5.2 (DSS) 40 channels for Bluetooth V5.2 (DTS)
Channel Spacing	:	1MHz for Bluetooth V5.2 (DSS) 2MHz for Bluetooth V5.2 (DTS)
Modulation Type	:	GFSK, π/4-DQPSK, 8-DPSK for Bluetooth V5.2 (DSS) GFSK for Bluetooth V5.2 (DTS)
Bluetooth Version	:	V5.2
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(2.4G Band)	:	
Frequency Range	:	2412MHz~2462MHz
Channel Spacing	:	5MHz
Channel Number	:	11 Channels for 20MHz bandwidth (2412~2462MHz) 7 Channels for 40MHz bandwidth (2422~2452MHz)
Modulation Type	:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(5.2G Band)	:	
Frequency Range	:	5180MHz~5240MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5180MHz~5240MHz) 2 channels for 40MHz bandwidth(5190MHz~5230MHz) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.3G Band)		
Frequency Range	:	5260MHz~5320MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5260MHz~5320MHz) 2 channels for 40MHz bandwidth(5270MHz~5310MHz) 1 channels for 80MHz bandwidth(5290MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.5G Band)	:	
Frequency Range	:	5500MHz~5700MHz
Channel Number	:	11 Channels for 20MHz bandwidth(5500MHz~5700MHz)

		5 Channels for 40MHz bandwidth(5510MHz~5670MHz) 2 Channels for 80MHz bandwidth(5530MHz, 5610MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.8G Band)	:	
Frequency Range	:	5745MHz~5825MHz
Channel Number	:	5 channels for 20MHz bandwidth(5745MHz~5825MHz) 2 channels for 40MHz bandwidth(5755MHz~5795MHz) 1 channels for 80MHz bandwidth(5775MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5),0.65dBi(Max.)
2G	:	
Support Band	:	☒GSM 900 (EU-Band) ☒DCS 1800 (EU-Band) ☒GSM 850 (U.S.-Band) ☒PCS 1900 (U.S.-Band)
Release Version	:	R9
GPRS Class	:	Class 12
EGPRS Class	:	Class 12
Type Of Modulation	:	GMSK for GSM/GPRS; GMSK/8PSK for EGPRS
Antenna Description	:	GSM 850: -3.2 dBi(ANT0), -6.0 dBi(ANT3) PCS 1900: -0.8 dBi(ANT3), -2.0 dBi(ANT0)
3G	:	
Support Band	:	☒WCDMA Band I (EU-Band) ☒WCDMA Band II (U.S.-Band) ☒WCDMA Band IV (U.S.-Band) ☒WCDMA Band V (U.S.-Band) ☒WCDMA Band VIII (EU-Band)
Release Version	:	R9
Type Of Modulation	:	QPSK,16QAM
Antenna Description	:	PIFA Antenna WCDMA Band II -0.8 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band IV -1.45 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band V -3.2 dBi(ANT0), -6.0 dBi(ANT3)
LTE	:	
Support Band	:	☒E-UTRA Band 1(EU-Band) ☒E-UTRA Band 2(U.S.-Band) ☒E-UTRA Band 3(EU-Band) ☒E-UTRA Band 4(U.S.-Band) ☒E-UTRA Band 5(U.S.-Band) ☒E-UTRA Band 7(U.S.-Band) ☒E-UTRA Band 8(EU-Band) ☒E-UTRA Band 12(U.S.-Band) ☒E-UTRA Band 13(U.S.-Band) ☒E-UTRA Band 17(U.S.-Band) ☒E-UTRA Band 25(U.S.-Band) ☒E-UTRA Band 26(U.S.-Band) ☒E-UTRA Band 28(EU-Band) ☒E-UTRA Band 38(U.S.-Band) ☒E-UTRA Band 40(EU-Band)

		☒E-UTRA Band 41(U.S.-Band) ☒E-UTRA Band 42(EU-Band) ☒E-UTRA Band 66(U.S.-Band) ☒E-UTRA Band 71(U.S.-Band)
LTE Release Version	:	R15
Type Of Modulation	:	QPSK/16QAM
Antenna Description	:	PIFA Antenna For E-UTRA Band 2 -0.8 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 4 -1.45 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 5 -3.2 dBi(ANT0),-1.8 dBi(ANT3) For E-UTRA Band 7 -0.6 dBi(ANT3),-1.8 dBi(ANT0), -1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 12 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 13 -3.0 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 17 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 25 -0.75 dBi(ANT3), -2.0 dBi(ANT0) ,-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 26 -3.3 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 38 -0.6 dBi(ANT3),-1.1 dBi(ANT0),-1.8 dBi(ANT2), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 41 –0.6 dBi(ANT3), -1.1 dBi(ANT0),-1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 66 -0.78 dBi(ANT3), -2.0 dBi(ANT0),-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 71 -3.3 dBi(ANT0), -2.0 dBi(ANT3)
Power Class	:	Class 3
NR	:	
Operation Band	:	SA Band: n1: UL: 1920MHz~1980MHz, DL: 2110MHz~2170MHz n2: UL: 1850MHz~1910MHz, DL: 1930MHz~1990MHz n3: UL: 1710MHz~1785MHz, DL:1805MHz~1880MHz n5: UL: 824MHz~849MHz, DL:869MHz~894MHz n7: UL: 2500MHz~2570MHz, DL: 2620MHz~2690MHz n25: UL: 1850MHz~1915MHz, DL: 1930MHz~1995MHz n26: UL: 814MHz~849MHz, DL: 859MHz~894MHz n28: UL: 703MHz~748MHz, DL: 758MHz~803MHz n38: UL & DL: 2570MHz~2620MHz n40: UL & DL: 2300MHz~2400MHz n41: UL & DL: 2496MHz~2690MHz n66: UL: 1710MHz~1780MHz, DL: 2110MHz~2180MHz n71: UL: 663MHz~698MHz, DL: 617MHz~652MHz n77: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3980 MHz n78: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3800 MHz
Support Type	:	☒SA
Subcarrier Spacing	:	15KHz,30KHz
Modulation Type	:	DFT-BPSK, DFT-QPSK, DFT-16QAM, DFT-64QAM, DFT-256QAM CP-QPSK, CP-16QAM, CP-64QAM, CP-256QAM
SCS and Channel Bandwidths	:	n2_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,35 MHz,40 MHz n5_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz

		n7_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz,50MHz n25_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n26_SCS 15kHz(814~824MHz): 5 MHz,10 MHz n26_SCS 15kHz(824~849MHz): 5 MHz,10 MHz,15 MHz,20 MHz n38_SCS 30kHz:10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n41_SCS 30kHz: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz,90 MHz,100 MHz n66_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n71_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n77_SCS 30kHz: 20 MHz,50 MHz,100 MHz n78_SCS 30kHz: 20 MHz,50 MHz,100 MHz
Power Class	:	NR Band 2/5/7/25/26/38/41:PC3 NR Band 66/71/77/78: PC2
Antenna Description	:	PIFA Antenna NR Band n2: -0.8 dBi(ANT3), -6.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n5: -3.2 dBi(ANT0), -6.0 dBi(ANT3) NR Band n7: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n25: -0.75 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n26: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n38: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n41: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n66: -0.78 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n71: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n77: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7) NR Band n78: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7)
NFC	:	
Operating Frequency	:	13.56MHz
Modulation Type	:	ASK
Antenna Description	:	Internal Antenna
GPS Function	:	Support and only RX
FM Function	:	Support and only RX
Extreme temp. Tolerance	:	-30°C to +50°C
Extreme vol. Limits	:	3.3VDC to 4.45VDC (nominal: 3.87VDC)

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

2.2 Equipment under Test

Power supply system utilised

Power supply voltage	:	●	120V / 60 Hz	○	115V/60Hz
		○	12 V DC	○	5.0 V DC
		○	Other (specified in blank below)		

2.3 Short description of the Equipment under Test (EUT)

2.3.1 GeneralDescription

Smart Phone is subscriber equipment in the BT/BLE/2.4GWIFI/5.2GWIFI/5.3GWIFI/5.5GWIFI /5.8GWIFI/GSM/WCDMA/LTE/NR system. GSM/GPRS/EGPRS frequency band is Band II/V. The HSPA/UMTS frequency band is Band II/IV/V. LTE frequency band is band 2/4/5/7/12/13/17/25/26/38/41/66/71. NR frequency band is band 2/5/7/25/26/38/41/66/71/77/78.The HSPA/UMTS frequency band II and Band IV and Band V test data included in this report. The Smart Phone implements such functions as RF signal receiving/transmitting, GSM/GPRS/EGPRS HSPA/UMTS/LTE/NR protocol processing, video MMS service and etc. Externally it provides SIM card interface.

2.4 Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN TIANYIN ELECTRONICS CO., LTD	Power Adapter	TPA-46050200UU	--	FCC

Note: Auxiliary equipment is provided by the laboratory.

2.5 External I/O Port

I/O Port Description	Quantity	Cable
Type-C USB Port	1	N/A
Earphone Jack Port	1	N/A

2.6 Normal Accessory setting

Fully charged battery was used during the test.

2.7 Test Sample

The application provides 2 samples to meet requirement;

Sample Number	Description
Sample 1(A250303080-1)	Engineer sample – continuous transmit
Sample 2(A250303080-2)	Normal sample – Intermittent transmit

2.8 EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

● - supplied by the manufacturer

○ - supplied by the lab

○	Power Cable	Length (m) :	/
		Shield :	/
		Detachable :	/
○	Multimeter	Manufacturer :	/
		Model No. :	/

2.9 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: 2BN26-BRAX3 filing to comply with FCC Part 22, Part 24, Part 27 and Part 90 Rules

2.10 Modifications

No modifications were implemented to meet testing criteria.

2.11 General Test Conditions/Configurations

2.9.1 Test Environment

EnvironmentParameter	SelectedValuesDuringTests	
Relative Humidity	Ambient	
Temperature	TN	Ambient
Voltage	VL	DC 3.3V
	VN	DC 3.87V
	VH	DC 4.45V

NOTE:VL=lower extreme testvoltage VN=nominal voltage
VH=upper extreme testvoltage TN=normal temperature

3 TEST ENVIRONMENT

3.1 Address of the test laboratory

Shenzhen LCS Compliance Testing Laboratory Ltd
101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
The sites are constructed in conformance with the requirements of ANSI C63.4 (2014) and CISPR Publication 22.

3.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

NVLAP Accreditation Code is 600167-0.
FCC Designation Number is CN5024.
CAB identifier is CN0071.
CNAS Registration Number is L4595.

3.3 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15-35 ° C
Humidity:	30-60 %
Atmospheric pressure:	950-1050mbar

3.4 Test Description

Band 2 (1850-1910MHz pairedwith 1930-1990MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Output Power	§2.1046, §24.232	EIRP ≤ 2W	PASS
Peak-Average Ratio	§2.1046, §24.232	FCC:Limit≤13dB	PASS
Modulation Characteristics	§2.1047	Digital modulation	N/A
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	PASS
Band Edges Compliance	§2.1051, §24.238	≤ -13dBm/1%*EBW, In 1MHz bands immediately outside and adjacent to the frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §24.238	≤-13dBm/1MHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Field Strength of Spurious Radiation	§2.1053, §24.238	≤ -13dBm/1MHz.	PASS
Frequency Stability	§2.1055, §24.235	FCC: within authorized frequency block.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

Band 4 (1710-1755MHz pairedwith 2110-2155MHz)

Test Item	FCC RuleNo.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(d)	EIRP ⩽ 1W;	PASS
Peak-Average Ratio	§2.1046, §27.50(d)	Limit⩽13dB	Pass
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(h)	⩽ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to the frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(h)	⩽ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(h)	⩽ -13dBm/1MHz.	PASS
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”			

Band 5 (824-849MHz pairedwith 869-894MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Output Power	§2.1046, §22.913	FCC: ERP ⩽ 7W.	Pass
Modulation Characteristics	§2.1047	Digital modulation	N/A
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Pass
Band Edges Compliance	§2.1051, §22.917	⩽-⩽ -13dBm/1%*EBW, In 1MHz bands immediately outside and adjacent to The frequency block.	Pass
Spurious Emission at Antenna Terminals	§2.1051, §22.917	FCC: ⩽ -13dBm/100kHz, from 9kHz to 10th harmonics but outside authorized operating frequency ranges.	Pass
Field Strength of Spurious Radiation	§2.1053, §22.917	FCC: ⩽ -13dBm/100kHz.	Pass
Frequency Stability	§2.1055, §22.355	⩽ ±2.5ppm.	Pass
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

Band 7 (2500-2570MHz pairedwith 2620-2690MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Output Power	§2.1046, §27.50(h)	FCC: EIRP ⩽ 2W.	Pass
Peak-AverageRatio	§2.1046, §27.50(a)	Limit⩽13dB	Pass
Modulation Characteristics	§2.1047	Digital modulation	N/A
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Pass
Band Edges Compliance	§2.1051, §27.53(m)	More details specified in §27.53(m)(4)	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(m)	More details specified in §27.53(m)(4)	Pass
Field Strength of Spurious Radiation	§2.1053, §27.53(m)	More details specified in §27.53(m)(4)	Pass
Frequency Stability	§2.1055, §27.54	⩽ ±2.5ppm.	Pass
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

Band 12 (699-716MHz paired with 729-746MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(c)	ERP ⩽ 3W;	PASS
Peak-Average Ratio	§2.1046, §27.50(c)	Limit⩽13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(g)	⩽ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(g)	⩽ -13dBm/100KHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiatedspurious emission	§2.1053, §27.53(g)	⩽ -13dBm/100KHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

Band 13 (777-787MHz paired with 746-756MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(b)	ERP ⩽ 3W;	PASS
Peak-Average Ratio	§2.1046, §27.50(b)	Limit⩽13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(c)	⩽ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(c)	⩽ -13dBm/100KHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiatedspurious emission	§2.1053, §27.53(c)	⩽ -13dBm/100KHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

Band 17(704-716MHz pairedwith 734-746MHz)

Test Item	**FCC Rule No.**	**Requirements**	**Verdict**
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(b)	ERP ⩽ 3W;	PASS
Peak-Average Ratio	§2.1046, §27.50(b)	Limit⩽13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(c)	⩽ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(c)	⩽ -13dBm/100KHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(c)	⩽ -13dBm/100KHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

Band 25(1850-1915MHz pairedwith 1930-1995MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §24.232	ERP ≤ 2W;	PASS
Peak-Average Ratio	§2.1046, §24.232	Limit≤13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §24.238	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §24.238	≤ -13dBm/100KHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1053, §24.238	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1055, §24.235	≤ -13dBm/100KHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

Band 26(814-824MHz pairedwith 859-869MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §90.635	ERP ≤ 100W;	PASS
Peak-Average Ratio	§2.1046,	Limit≤13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §90.669	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §90.669	≤ -13dBm/100KHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §90.213	≤ ±2.5ppm.	PASS
Radiated spurious emission	§2.1053, §90.669	≤ -13dBm/100KHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

Band 26(824-849MHz pairedwith 869-894MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §22.913	ERP ⩽ 7W;	PASS
Peak-Average Ratio	§2.1046,	Limit⩽13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §22.917 §90.691	⩽ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §22.917	⩽ -13dBm/100KHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §22.355	⩽ ±2.5ppm.	PASS
Radiated spurious emission	§2.1053, §22.917	⩽ -13dBm/100KHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

Band 38 (2570-2620MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(h)	ERP ⩽ 2W;	PASS
Peak-Average Ratio	§2.1046, §27.50	Limit⩽13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(m)	⩽ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(m)	⩽ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(m)	⩽ -25dBm/1MHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

TDD Band 41(2496-2690MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(h)	ERP ≤ 2W;	PASS
Peak-Average Ratio	§2.1046, §27.50	Limit≤13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(m)	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(m)	≤ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(m)	≤ -25dBm/1MHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

Band 66 (1710-1780MHz pairedwith 2110-2180MHz)

Test Item	FCC RuleNo.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(d)	EIRP ≤ 1W;	PASS
Peak-Average Ratio	§2.1046, §27.50(d)	Limit≤13dB	Pass
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
Band Edges Compliance	§2.1051, §27.53(g)	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to the frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(g)	≤ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(g)	≤ -13dBm/1MHz.	PASS
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”			

Band 71 (663-698MHz pairedwith 617-652MHz)

Test Item	FCC RuleNo.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(c)	EIRP ⩽ 3W;	PASS
Peak-Average Ratio	§2.1046,	Limit⩽13dB	Pass
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(g)	⩽ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to the frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(g)	⩽ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(g)	⩽ -13dBm/1MHz.	PASS
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”			

3.5 Equipments Used during the Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2024-06-06	2025-06-05
2	Power Sensor	R&S	NRV-Z81	100458	2024-06-06	2025-06-05
3	Power Sensor	R&S	NRV-Z32	10057	2024-06-06	2025-06-05
4	LTE Test Software	Tonscend	JS1120-1	N/A	N/A	N/A
5	RF Control Unit	Tonscend	JS0806-1	158060009	2024-11-08	2025-11-07
6	MXA Signal Analyzer	Agilent	N9020A	MY51250905	2024-10-08	2025-10-07
7	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW 500	103818	2024-06-06	2025-06-05
8	DC Power Supply	Agilent	E3642A	N/A	2024-10-08	2025-10-07
9	EMI Test Software	AUDIX	E3	/	N/A	N/A
10	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2024-06-06	2025-06-05
11	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
12	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2024-07-13	2027-07-12
13	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2024-08-03	2027-08-02
14	By-log Antenna	SCHWARZBECK	VULB9163	9163-471	2024-08-03	2027-08-02
15	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2024-07-13	2027-07-12
16	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1926	2024-07-13	2027-07-12
17	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2024-07-13	2027-07-12
18	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	792	2024-07-13	2027-07-12
19	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2024-07-30	2025-07-29
20	EMI Test Receiver	R&S	ESR 7	101181	2024-06-06	2025-06-05
21	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2024-06-06	2025-06-05
22	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2024-10-08	2025-10-07
23	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2024-10-08	2025-10-07
24	6dB Attenuator	/	100W/6dB	1172040	2024-06-06	2025-06-05
25	3dB Attenuator	/	2N-3dB	/	2024-10-08	2025-10-07
26	Temperature & Humidity Chamber	Baro	/	/	2024-06-12	2025-06-11
27	EMI Test Software	Farad	EZ	/	N/A	N/A
28	RADIO COMMUNICATION TESTER	R&S	CMU 200	105988	2024-06-06	2025-06-05
29	Antenna Mast	Max-Full	MFA-515BSN	1308572	N/A	N/A

3.6 Measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to ETSI TR 100 028“Electromagnetic compatibilityand Radio spectrum Matters (ERM);Uncertainties in the measurementof mobile radio equipment characteristics” and is documented in the Shenzhen LCS Compliance Testing Laboratory Ltd.quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen LCS Compliance Testing Laboratory Ltd. is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	3.10 dB	(1)
Radiated Emission	1~18GHz	3.80 dB	(1)
Radiated Emission	18-40GHz	3.90 dB	(1)
Conducted Disturbance	0.15~30MHz	1.63 dB	(1)
Conducted Power	9KHz~18GHz	0.61 dB	(1)
Spurious RF Conducted Emission	9KHz~40GHz	1.22 dB	(1)
Band Edge Compliance of RF Emission	9KHz~40GHz	1.22 dB	(1)
Occuiped Bandwidth	9KHz~40GHz	-	(1)

(1)This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

4 TEST CONDITIONS AND RESULTS

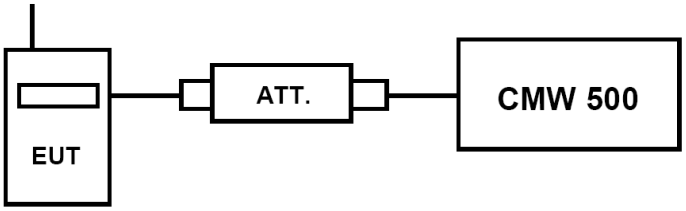
4.1 Output Power

TEST APPLICABLE

During the process of testing, the EUT was controlled via R&S Digital Radio Communication tester (CMW 500) to ensure max power transmission and proper modulation. This result contains output power and EIRP measurements for the EUT. In all cases, output power is within the specified limits.

4.1.1. Conducted Output Power

TEST CONFIGURATION



TEST PROCEDURE

Conducted Power Measurement:

a) Place the EUT on a bench and set it in transmitting mode.
b) Connect a low loss RF cable from the antenna port to a CMW 500 by an Att.
c) EUT Communicate with CMW 500 then selects a channel for testing.
d) Add a correction factor to the display CMW 500, and then test.

TEST RESULTS

Remark:

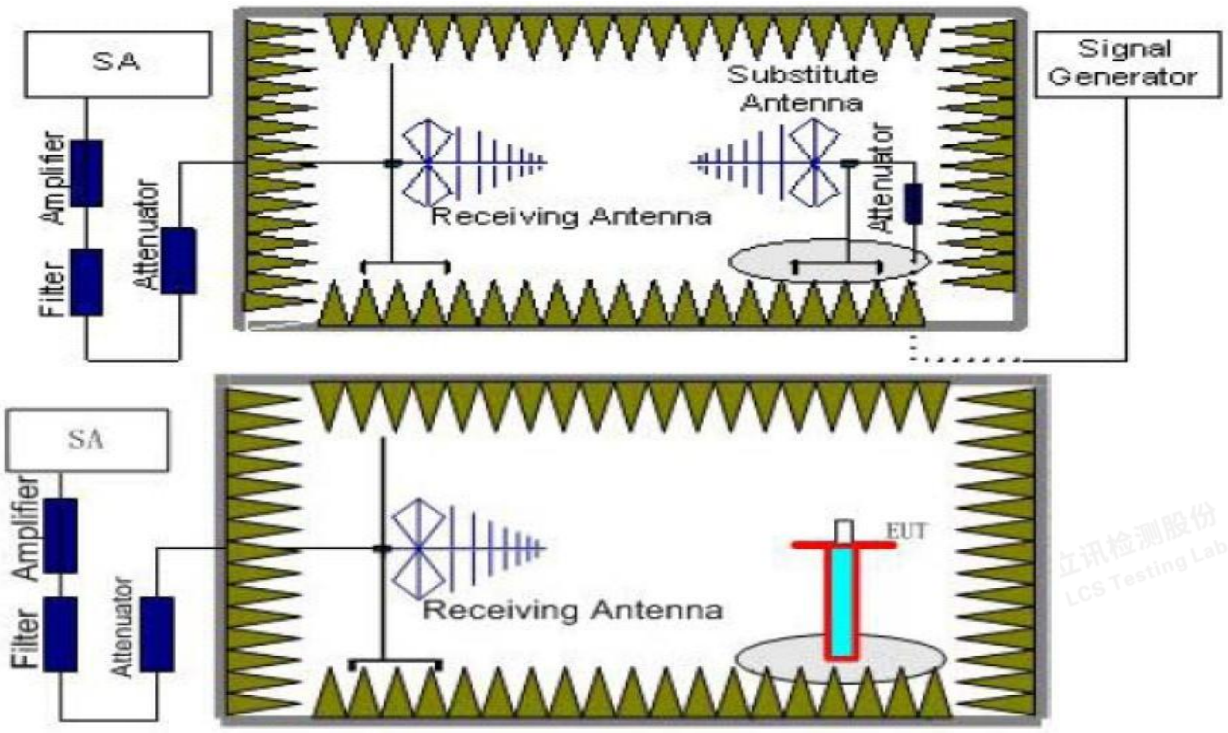
1. *We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 7, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 17, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 38, LTE FDD Band 41, LTE FDD Band 66, LTE FDD Band 71 recorded worst case for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 7, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 17, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 38, LTE FDD Band 41, LTE FDD Band 66, LTE FDD Band 71.*
2. *For E-UTRA Band 2, please refer to Appendix H: Section H.1*
3. *For E-UTRA Band 4, please refer to Appendix I: Section I.1*
4. *For E-UTRA Band 5, please refer to Appendix J: Section J.1*
5. *For E-UTRA Band 7, please refer to Appendix K: Section K.1*
6. *For E-UTRA Band 12 please refer to Appendix L: Section L.1*
7. *For E-UTRA Band 13, please refer to Appendix M: Section M.1*
8. *For E-UTRA Band 17, please refer to Appendix N: Section N.1*
9. *For E-UTRA Band 25, please refer to Appendix O: Section O.1*
10. *For E-UTRA Band 26, please refer to Appendix P: Section P.1 & Appendix Q: Section Q.1*
11. *For E-UTRA Band 38, please refer to Appendix R: Section R.1*
12. *For E-UTRA Band 41, please refer to Appendix S: Section S.1*
13. *For E-UTRA Band 66, please refer to Appendix T: Section T.1*
14. *For E-UTRA Band 71, please refer to Appendix U: Section U.1*

4.1.2. Radiated Output Power

LIMIT

This is the test for the maximum radiated power from the EUT.
Per §22.913(2) Extend coverage on a secondary basis into cellular unserved areas, as those areas are defined in §22.949, the ERP of base transmitters and cellular repeaters of such systems must not exceed 1000 Watts. The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.
Rule Part 24.232(c) specifies, "Mobile/portable stations are limited to 2 watts e.i.r.p. Peak power" and 24.232(e) specifies that "Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage." .
Per Part 27.50(d) (4) specifies, Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755MHz band are limited to 1W EIRP. Fixed stations operating in this band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in this band must employ a means for limiting power to the minimum necessary for successful communications.
Per Part 27.50(c) (10)specifies, Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.
Per Part 27.50(h) (2)specifies Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.
Per Part 90.635(b) The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw).

TEST CONFIGURATION



TEST PROCEDURE

1. EUT was placed on a 1.50 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.50m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.

2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
3. The EUT is then put into continuously transmitting mode at its maximum power level during the test.Set Test Receiver or Spectrum RBW=1MHz,VBW=3MHz, And the maximum value of the receiver should be recorded as (P_r).
4. The EUT shall be replaced by a substitution antenna.In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (P_{cl}) ,the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test.
   The measurement results are obtained as described below:
   Power(EIRP)=P_{Mea}+ P_{Ag} - P_{cl} + G_a
6. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
7. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP-2.15dBi.

TEST RESULTS

Radiated Measurement:

Remark:

1. *We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 7, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 17, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 38, LTE FDD Band 41, LTE FDD Band 66, LTE FDD Band 71 recorded worst case for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 7, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 17, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 38, LTE FDD Band 41, LTE FDD Band 66, LTE FDD Band 71.*
2. *EIRP=P_{Mea}(dBm)-P_{cl}(dB)+P_{Ag}(dB)+G_a(dBi)*
3. *ERP = EIRP – 2.15dBi as EIRP by subtracting the gain of the dipole.*
4. *Margin = Emission Level - Limit*
5. *We tested the worst-case records for H and V directions, and only the worst-case records for V direction were recorded in the report.*

LTE FDD Band 2_Channel Bandwidth 1.4MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1850.7	-19.48	4.03	8.38	35.51	20.38	33.01	-12.63	V
1880.0	-19.07	4.08	8.33	35.56	20.74	33.01	-12.27	V
1909.3	-19.98	4.14	8.26	35.63	19.77	33.01	-13.24	V

LTE FDD Band 2_Channel Bandwidth 3MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1851.5	-20.01	4.03	8.38	35.51	19.85	33.01	-13.16	V
1880.0	-19.55	4.08	8.33	35.56	20.26	33.01	-12.75	V
1908.5	-19.94	4.14	8.26	35.63	19.81	33.01	-13.20	V

LTE FDD Band 2_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1852.5	-20.03	4.03	8.38	35.51	19.83	33.01	-13.18	V
1880.0	-20.25	4.08	8.33	35.56	19.56	33.01	-13.45	V
1907.5	-20.26	4.14	8.26	35.63	19.49	33.01	-13.52	V

LTE FDD Band 2_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1855.0	-20.73	4.03	8.38	35.51	19.13	33.01	-13.88	V
1880.0	-20.68	4.08	8.33	35.56	19.13	33.01	-13.88	V
1905.0	-21.12	4.14	8.26	35.63	18.63	33.01	-14.38	V

LTE FDD Band 2_Channel Bandwidth 15MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1857.5	-21.53	4.03	8.38	35.51	18.33	33.01	-14.68	V
1880.0	-21.95	4.08	8.33	35.56	17.86	33.01	-15.15	V
1902.5	-21.43	4.14	8.26	35.63	18.32	33.01	-14.69	V

LTE FDD Band 2_Channel Bandwidth 20MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1860.0	-22.32	4.03	8.38	35.51	17.54	33.01	-15.47	V
1880.0	-21.67	4.08	8.33	35.56	18.14	33.01	-14.87	V
1900.0	-22.21	4.14	8.26	35.63	17.54	33.01	-15.47	V

LTE FDD Band 2_Channel Bandwidth 1.4MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1850.7	-19.75	4.03	8.38	35.51	20.11	33.01	-12.90	V
1880.0	-20.31	4.08	8.33	35.56	19.50	33.01	-13.51	V
1909.3	-20.31	4.14	8.26	35.63	19.44	33.01	-13.57	V

LTE FDD Band 2_Channel Bandwidth 3MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1851.5	-20.53	4.03	8.38	35.51	19.33	33.01	-13.68	V
1880.0	-20.98	4.08	8.33	35.56	18.83	33.01	-14.18	V
1908.5	-20.77	4.14	8.26	35.63	18.98	33.01	-14.03	V

LTE FDD Band 2_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1852.5	-21.39	4.03	8.38	35.51	18.47	33.01	-14.54	V
1880.0	-21.26	4.08	8.33	35.56	18.55	33.01	-14.46	V
1907.5	-21.10	4.14	8.26	35.63	18.65	33.01	-14.36	V

LTE FDD Band 2_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1855.0	-21.74	4.03	8.38	35.51	18.12	33.01	-14.89	V
1880.0	-21.92	4.08	8.33	35.56	17.89	33.01	-15.12	V
1905.0	-21.77	4.14	8.26	35.63	17.98	33.01	-15.03	V

LTE FDD Band 2_Channel Bandwidth 15MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1857.5	-21.71	4.03	8.38	35.51	18.15	33.01	-14.86	V
1880.0	-22.01	4.08	8.33	35.56	17.80	33.01	-15.21	V
1902.5	-21.95	4.14	8.26	35.63	17.80	33.01	-15.21	V

LTE FDD Band 2_Channel Bandwidth 20MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1860.0	-22.47	4.03	8.38	35.51	17.39	33.01	-15.62	V
1880.0	-22.42	4.08	8.33	35.56	17.39	33.01	-15.62	V
1900.0	-22.52	4.14	8.26	35.63	17.23	33.01	-15.78	V

LTE FDD Band 4_Channel Bandwidth 1.4MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1710.7	-19.04	3.93	9.05	34.96	21.04	30.00	-8.96	V
1732.5	-18.58	3.93	8.89	35.01	21.39	30.00	-8.61	V
1754.3	-18.90	3.94	8.76	35.08	21.00	30.00	-9.00	V

LTE FDD Band 4_Channel Bandwidth 3MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1711.5	-19.16	3.93	9.05	34.96	20.92	30.00	-9.08	V
1732.5	-19.20	3.93	8.89	35.01	20.77	30.00	-9.23	V
1753.5	-18.99	3.94	8.76	35.08	20.91	30.00	-9.09	V

LTE FDD Band 4_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1712.5	-19.27	3.93	9.05	34.96	20.81	30.00	-9.19	V
1732.5	-19.39	3.93	8.89	35.01	20.58	30.00	-9.42	V
1752.5	-18.71	3.94	8.76	35.08	21.19	30.00	-8.81	V

LTE FDD Band 4_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1715.0	-19.13	3.93	9.05	34.96	20.95	30.00	-9.05	V
1732.5	-19.27	3.93	8.89	35.01	20.70	30.00	-9.30	V
1750.0	-18.95	3.94	8.76	35.08	20.95	30.00	-9.05	V

LTE FDD Band 4_Channel Bandwidth 15MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1717.5	-19.17	3.93	9.05	34.96	20.91	30.00	-9.09	V
1732.5	-19.30	3.93	8.89	35.01	20.67	30.00	-9.33	V
1747.5	-18.93	3.94	8.76	35.08	20.97	30.00	-9.03	V

LTE FDD Band 4_Channel Bandwidth 20MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1720.0	-19.11	3.93	9.05	34.96	20.97	30.00	-9.03	V
1732.5	-19.09	3.93	8.89	35.01	20.88	30.00	-9.12	V
1745.0	-19.46	3.94	8.76	35.08	20.44	30.00	-9.56	V

LTE FDD Band 4_Channel Bandwidth 1.4MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1710.7	-19.29	3.93	9.05	34.96	20.79	30.00	-9.21	V
1732.5	-19.21	3.93	8.89	35.01	20.76	30.00	-9.24	V
1754.3	-19.37	3.94	8.76	35.08	20.53	30.00	-9.47	V

LTE FDD Band 4_Channel Bandwidth 3MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Avergae EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1711.5	-18.62	3.93	9.05	34.96	21.46	30.00	-8.54	V
1732.5	-19.32	3.93	8.89	35.01	20.65	30.00	-9.35	V
1753.5	-18.61	3.94	8.76	35.08	21.29	30.00	-8.71	V

LTE FDD Band 4_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1712.5	-19.76	3.93	9.05	34.96	20.32	30.00	-9.68	V
1732.5	-19.01	3.93	8.89	35.01	20.96	30.00	-9.04	V
1752.5	-19.39	3.94	8.76	35.08	20.51	30.00	-9.49	V

LTE FDD Band 4_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Avergae EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1715.0	-18.71	3.93	9.05	34.96	21.37	30.00	-8.63	V
1732.5	-18.93	3.93	8.89	35.01	21.04	30.00	-8.96	V
1750.0	-18.77	3.94	8.76	35.08	21.13	30.00	-8.87	V

LTE FDD Band 4_Channel Bandwidth 15MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1717.5	-19.22	3.93	9.05	34.96	20.86	30.00	-9.14	V
1732.5	-19.62	3.93	8.89	35.01	20.35	30.00	-9.65	V
1747.5	-19.22	3.94	8.76	35.08	20.68	30.00	-9.32	V

LTE FDD Band 4_Channel Bandwidth 20MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Avergae EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1720.0	-18.75	3.93	9.05	34.96	21.33	30.00	-8.67	V
1732.5	-18.86	3.93	8.89	35.01	21.11	30.00	-8.89	V
1745.0	-19.01	3.94	8.76	35.08	20.89	30.00	-9.11	V

LTE FDD Band 5_Channel Bandwidth 1.4MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
824.70	-15.87	3.45	8.45	2.15	33.79	20.77	38.45	-17.68	V
836.50	-15.89	3.49	8.45	2.15	33.85	20.77	38.45	-17.68	V
848.30	-16.28	3.55	8.36	2.15	33.88	20.26	38.45	-18.19	V

LTE FDD Band 5_Channel Bandwidth 3MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
825.50	-15.83	3.45	8.45	2.15	33.79	20.81	38.45	-17.64	V
836.50	-16.21	3.49	8.45	2.15	33.85	20.45	38.45	-18.00	V
847.50	-16.08	3.55	8.36	2.15	33.88	20.46	38.45	-17.99	V

LTE FDD Band 5_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
826.50	-15.94	3.45	8.45	2.15	33.79	20.70	38.45	-17.75	V
836.50	-16.43	3.49	8.45	2.15	33.85	20.23	38.45	-18.22	V

846.50	-15.77	3.55	8.36	2.15	33.88	20.77	38.45	-17.68	V

LTE FDD Band 5_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
829.00	-15.58	3.45	8.45	2.15	33.79	21.06	38.45	-17.39	V
836.50	-16.39	3.49	8.45	2.15	33.85	20.27	38.45	-18.18	V
844.00	-16.18	3.55	8.36	2.15	33.88	20.36	38.45	-18.09	V

LTE FDD Band 5_Channel Bandwidth 1.4MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
824.70	-16.67	3.45	8.45	2.15	33.79	19.97	38.45	-18.48	V
836.50	-16.72	3.49	8.45	2.15	33.85	19.94	38.45	-18.51	V
848.30	-16.59	3.55	8.36	2.15	33.88	19.95	38.45	-18.50	V

LTE FDD Band 5_Channel Bandwidth 3MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
825.50	-16.74	3.45	8.45	2.15	33.79	19.90	38.45	-18.55	V
836.50	-16.60	3.49	8.45	2.15	33.85	20.06	38.45	-18.39	V
847.50	-17.02	3.55	8.36	2.15	33.88	19.52	38.45	-18.93	V

LTE FDD Band 5_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
826.50	-17.05	3.45	8.45	2.15	33.79	19.59	38.45	-18.86	V
836.50	-17.27	3.49	8.45	2.15	33.85	19.39	38.45	-19.06	V
846.50	-17.18	3.55	8.36	2.15	33.88	19.36	38.45	-19.09	V

LTE FDD Band 5_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
829.00	-16.75	3.45	8.45	2.15	33.79	19.89	38.45	-18.56	V
836.50	-17.30	3.49	8.45	2.15	33.85	19.36	38.45	-19.09	V
844.00	-16.76	3.55	8.36	2.15	33.88	19.78	38.45	-18.67	V

LTE FDD Band 7_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2502.5	-18.87	4.32	6.80	36.14	19.75	33.01	-13.26	V
2535.0	-18.25	4.32	6.61	36.17	20.21	33.01	-12.80	V
2567.5	-18.50	4.33	6.57	36.22	19.96	33.01	-13.05	V

LTE FDD Band 7_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2505.0	-18.35	4.32	6.80	36.14	20.27	33.01	-12.74	V
2535.0	-18.68	4.32	6.61	36.17	19.78	33.01	-13.23	V
2565.0	-18.86	4.33	6.57	36.22	19.60	33.01	-13.41	V

LTE FDD Band 7_Channel Bandwidth 15MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2507.5	-18.49	4.32	6.80	36.14	20.13	33.01	-12.88	V
2535.0	-18.79	4.32	6.61	36.17	19.67	33.01	-13.34	V
2562.5	-18.21	4.33	6.57	36.22	20.25	33.01	-12.76	V

LTE FDD Band 7_Channel Bandwidth 20MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2510.0	-18.07	4.32	6.80	36.14	20.55	33.01	-12.46	V
2535.0	-18.56	4.32	6.61	36.17	19.90	33.01	-13.11	V
2560.0	-18.43	4.33	6.57	36.22	20.03	33.01	-12.98	V

LTE FDD Band 7_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2502.5	-19.60	4.32	6.80	36.14	19.02	33.01	-13.99	V
2535.0	-18.96	4.32	6.61	36.17	19.50	33.01	-13.51	V
2567.5	-19.74	4.33	6.57	36.22	18.72	33.01	-14.29	V

LTE FDD Band 7_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2505.0	-19.69	4.32	6.80	36.14	18.93	33.01	-14.08	V
2535.0	-19.47	4.32	6.61	36.17	18.99	33.01	-14.02	V
2565.0	-18.96	4.33	6.57	36.22	19.50	33.01	-13.51	V

LTE FDD Band 7_Channel Bandwidth 15MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2507.5	-19.79	4.32	6.80	36.14	18.83	33.01	-14.18	V
2535.0	-19.29	4.32	6.61	36.17	19.17	33.01	-13.84	V
2562.5	-19.61	4.33	6.57	36.22	18.85	33.01	-14.16	V

LTE FDD Band 7_Channel Bandwidth 20MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2510.0	-19.51	4.32	6.80	36.14	19.11	33.01	-13.90	V
2535.0	-19.85	4.32	6.61	36.17	18.61	33.01	-14.40	V
2560.0	-19.69	4.33	6.57	36.22	18.77	33.01	-14.24	V

LTE FDD Band 12_Channel Bandwidth 1.4MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
699.70	-14.50	3.01	8.29	33.52	2.15	22.15	34.77	-12.62	V
707.50	-14.91	3.02	8.29	33.52	2.15	21.73	34.77	-13.04	V
715.30	-14.22	3.06	8.29	33.52	2.15	22.38	34.77	-12.39	V

LTE FDD Band 12_Channel Bandwidth 3MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
700.50	-14.58	3.01	8.29	33.52	2.15	22.07	34.77	-12.70	V
707.50	-15.26	3.02	8.29	33.52	2.15	21.38	34.77	-13.39	V
714.50	-15.49	3.06	8.29	33.52	2.15	21.11	34.77	-13.66	V

LTE FDD Band 12_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
701.50	-14.91	3.01	8.29	33.52	2.15	21.74	34.77	-13.03	V
707.50	-15.89	3.02	8.29	33.52	2.15	20.75	34.77	-14.02	V
713.50	-15.41	3.06	8.29	33.52	2.15	21.19	34.77	-13.58	V

LTE FDD Band 12_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
704.00	-15.76	3.01	8.29	33.52	2.15	20.89	34.77	-13.88	V
707.50	-16.20	3.02	8.29	33.52	2.15	20.44	34.77	-14.33	V
711.00	-16.13	3.06	8.29	33.52	2.15	20.47	34.77	-14.30	V

LTE FDD Band 12_Channel Bandwidth 1.4MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
699.70	-14.77	3.01	8.29	33.52	2.15	21.88	34.77	-12.89	V
707.50	-14.87	3.02	8.29	33.52	2.15	21.77	34.77	-13.00	V
715.30	-15.46	3.06	8.29	33.52	2.15	21.14	34.77	-13.63	V

LTE FDD Band 12_Channel Bandwidth 3MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
700.50	-15.64	3.01	8.29	33.52	2.15	21.01	34.77	-13.76	V
707.50	-15.14	3.02	8.29	33.52	2.15	21.50	34.77	-13.27	V
714.50	-15.41	3.06	8.29	33.52	2.15	21.19	34.77	-13.58	V

LTE FDD Band 12_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
701.50	-16.01	3.01	8.29	33.52	2.15	20.64	34.77	-14.13	V
707.50	-16.06	3.02	8.29	33.52	2.15	20.58	34.77	-14.19	V
713.50	-16.15	3.06	8.29	33.52	2.15	20.45	34.77	-14.32	V

LTE FDD Band 12_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
704.00	-16.31	3.01	8.29	33.52	2.15	20.34	34.77	-14.43	V
707.50	-16.05	3.02	8.29	33.52	2.15	20.59	34.77	-14.18	V
711.00	-16.84	3.06	8.29	33.52	2.15	19.76	34.77	-15.01	V

LTE FDD Band 13_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Correction (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
779.5	-17.52	3.21	9.61	33.89	2.15	20.62	34.77	-14.15	V
782.0	-18.33	3.23	9.52	34.74	2.15	20.55	34.77	-14.22	V
784.5	-17.61	3.25	9.43	34.85	2.15	21.27	34.77	-13.50	V

LTE FDD Band 13_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Correction (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
782.0	-17.21	3.23	9.52	34.74	2.15	21.67	34.77	-13.10	V

LTE FDD Band 13_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Correction (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
779.5	-18.67	3.21	9.61	33.89	2.15	19.47	34.77	-15.30	V
782.0	-18.80	3.23	9.52	34.74	2.15	20.08	34.77	-14.69	V
784.5	-19.27	3.25	9.43	34.85	2.15	19.61	34.77	-15.16	V

LTE FDD Band 13_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Correction (dB)	ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
782.0	-17.64	3.23	9.52	34.74	2.15	21.24	34.77	-13.53	V

LTE FDD Band 17_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
706.5	-16.09	3.02	8.29	2.15	33.52	20.55	34.77	-14.22	V
710.0	-15.76	3.06	8.29	2.15	33.52	20.84	34.77	-13.93	V
713.5	-16.44	3.06	8.29	2.15	33.52	20.16	34.77	-14.61	V

LTE FDD Band 17_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
709.0	-15.72	3.06	8.29	2.15	33.52	20.88	34.77	-13.89	V
710.0	-16.09	3.06	8.29	2.15	33.52	20.51	34.77	-14.26	V
711.0	-15.72	3.06	8.29	2.15	33.52	20.88	34.77	-13.89	V

LTE FDD Band 17_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
706.5	-17.06	3.02	8.29	2.15	33.52	19.58	34.77	-15.19	V

710.0	-16.41	3.06	8.29	2.15	33.52	20.19	34.77	-14.58	V
713.5	-16.50	3.06	8.29	2.15	33.52	20.10	34.77	-14.67	V

LTE FDD Band 17_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
709.0	-16.93	3.06	8.29	2.15	33.52	19.67	34.77	-15.10	V
710.0	-16.62	3.06	8.29	2.15	33.52	19.98	34.77	-14.79	V
711.0	-16.34	3.06	8.29	2.15	33.52	20.26	34.77	-14.51	V

LTE FDD Band 25_Channel Bandwidth 1.4MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1850.7	-18.08	4.03	8.38	35.51	21.78	33.01	-11.23	V
1882.5	-19.39	4.08	8.33	35.56	20.42	33.01	-12.59	V
1914.3	-17.96	4.14	8.26	35.63	21.79	33.01	-11.22	V

LTE FDD Band 25_Channel Bandwidth 3MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1851.5	-17.40	4.03	8.38	35.51	22.46	33.01	-10.55	V
1882.5	-19.52	4.08	8.33	35.56	20.29	33.01	-12.72	V
1913.5	-19.34	4.14	8.26	35.63	20.41	33.01	-12.60	V

LTE FDD Band 25_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1852.5	-17.55	4.03	8.38	35.51	22.31	33.01	-10.70	V
1882.5	-18.23	4.08	8.33	35.56	21.58	33.01	-11.43	V
1912.5	-18.89	4.14	8.26	35.63	20.86	33.01	-12.15	V

LTE FDD Band 25_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1855.0	-17.05	4.03	8.38	35.51	22.81	33.01	-10.20	V
1882.5	-19.84	4.08	8.33	35.56	19.97	33.01	-13.04	V
1910.0	-19.18	4.14	8.26	35.63	20.57	33.01	-12.44	V

LTE FDD Band 25_Channel Bandwidth 15MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1857.5	-17.76	4.03	8.38	35.51	22.10	33.01	-10.91	V
1882.5	-19.99	4.08	8.33	35.56	19.82	33.01	-13.19	V
1907.5	-17.90	4.14	8.26	35.63	21.85	33.01	-11.16	V

LTE FDD Band 25_Channel Bandwidth 20MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1860.0	-17.96	4.03	8.38	35.51	21.90	33.01	-11.11	V
1882.5	-18.72	4.08	8.33	35.56	21.09	33.01	-11.92	V
1905.0	-17.06	4.14	8.26	35.63	22.69	33.01	-10.32	V

LTE FDD Band 25_Channel Bandwidth 1.4MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1850.7	-17.40	4.03	8.38	35.51	22.46	33.01	-10.55	V
1882.5	-17.16	4.08	8.33	35.56	22.65	33.01	-10.36	V
1914.3	-19.69	4.14	8.26	35.63	20.06	33.01	-12.95	V

LTE FDD Band 25_Channel Bandwidth 3MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1851.5	-17.43	4.03	8.38	35.51	22.43	33.01	-10.58	V
1882.5	-17.20	4.08	8.33	35.56	22.61	33.01	-10.40	V
1913.5	-18.97	4.14	8.26	35.63	20.78	33.01	-12.23	V

LTE FDD Band 25_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1852.5	-18.19	4.03	8.38	35.51	21.67	33.01	-11.34	V
1882.5	-17.84	4.08	8.33	35.56	21.97	33.01	-11.04	V
1912.5	-19.42	4.14	8.26	35.63	20.33	33.01	-12.68	V

LTE FDD Band 25_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1855.0	-19.22	4.03	8.38	35.51	20.64	33.01	-12.37	V
1882.5	-17.50	4.08	8.33	35.56	22.31	33.01	-10.70	V
1910.0	-17.78	4.14	8.26	35.63	21.97	33.01	-11.04	V

LTE FDD Band 25_Channel Bandwidth 15MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1857.5	-17.42	4.03	8.38	35.51	22.44	33.01	-10.57	V
1882.5	-18.10	4.08	8.33	35.56	21.71	33.01	-11.30	V
1907.5	-18.66	4.14	8.26	35.63	21.09	33.01	-11.92	V

LTE FDD Band 25_Channel Bandwidth 20MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP	Limit (dBm)	Margin (dB)	Polarization

					(dBm)			
1860.0	-18.41	4.03	8.38	35.51	21.45	33.01	-11.56	V
1882.5	-18.51	4.08	8.33	35.56	21.30	33.01	-11.71	V
1905.0	-18.94	4.14	8.26	35.63	20.81	33.01	-12.20	V

LTE FDD Band 26: 814MHz~824MHz

LTE FDD Band 26_Channel Bandwidth 1.4MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
814.70	-17.83	3.58	9.62	33.79	2.15	19.85	50.00	-30.15	V
819.00	-17.54	3.61	9.22	34.64	2.15	20.56	50.00	-29.44	V
823.30	-18.11	3.64	9.04	34.75	2.15	19.89	50.00	-30.11	V

LTE FDD Band 26_Channel Bandwidth 3MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
815.50	-17.87	3.58	9.62	33.79	2.15	19.81	50.00	-30.19	V
819.00	-17.25	3.61	9.22	34.64	2.15	20.85	50.00	-29.15	V
822.50	-17.29	3.64	9.04	34.75	2.15	20.71	50.00	-29.29	V

LTE FDD Band 26_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
816.50	-17.02	3.58	9.62	33.79	2.15	20.66	50.00	-29.34	V
819.00	-16.74	3.61	9.22	34.64	2.15	21.36	50.00	-28.64	V
821.50	-16.96	3.64	9.04	34.75	2.15	21.04	50.00	-28.96	V

LTE FDD Band 26_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
819.00	-16.37	3.64	9.04	34.75	2.15	21.63	50.00	-28.37	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
814.70	-19.37	3.58	9.62	33.79	2.15	18.31	50.00	-31.69	V
819.00	-18.81	3.61	9.22	34.64	2.15	19.29	50.00	-30.71	V
823.30	-18.51	3.64	9.04	34.75	2.15	19.49	50.00	-30.51	V

LTE FDD Band 26_Channel Bandwidth 3MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
815.50	-18.08	3.58	9.62	33.79	2.15	19.60	50.00	-30.40	V
819.00	-18.51	3.61	9.22	34.64	2.15	19.59	50.00	-30.41	V
822.50	-18.63	3.64	9.04	34.75	2.15	19.37	50.00	-30.63	V

LTE FDD Band 26_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
816.50	-17.66	3.58	9.62	33.79	2.15	20.02	50.00	-29.98	V
819.00	-17.10	3.61	9.22	34.64	2.15	21.00	50.00	-29.00	V
821.50	-17.14	3.64	9.04	34.75	2.15	20.86	50.00	-29.14	V

LTE FDD Band 26_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
819.00	-17.11	3.64	9.04	34.75	2.15	20.89	50.00	-29.11	V

LTE FDD Band 26: 824MHz~849MHz

LTE FDD Band 26_Channel Bandwidth 1.4MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
824.70	-17.89	3.58	9.62	33.79	2.15	19.79	38.45	-18.66	V
836.50	-17.65	3.61	9.22	34.64	2.15	20.45	38.45	-18.00	V
848.30	-18.24	3.64	9.04	34.75	2.15	19.76	38.45	-18.69	V

LTE FDD Band 26_Channel Bandwidth 3MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
825.50	-17.15	3.58	9.62	33.79	2.15	20.53	38.45	-17.92	V
836.50	-17.54	3.61	9.22	34.64	2.15	20.56	38.45	-17.89	V
847.50	-17.07	3.64	9.04	34.75	2.15	20.93	38.45	-17.52	V

LTE FDD Band 26_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
826.50	-16.92	3.58	9.62	33.79	2.15	20.76	38.45	-17.69	V
836.50	-16.60	3.61	9.22	34.64	2.15	21.50	38.45	-16.95	V
846.50	-17.18	3.64	9.04	34.75	2.15	20.82	38.45	-17.63	V

LTE FDD Band 26_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
829.00	-16.69	3.58	9.62	33.79	2.15	20.99	38.45	-17.46	V
836.50	-16.26	3.61	9.22	34.64	2.15	21.84	38.45	-16.61	V
844.00	-16.00	3.64	9.04	34.75	2.15	22.00	38.45	-16.45	V

LTE FDD Band 26_Channel Bandwidth 15MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
831.50	-15.94	3.58	9.62	33.79	2.15	21.74	38.45	-16.71	V
836.50	-16.07	3.61	9.22	34.64	2.15	22.03	38.45	-16.42	V
841.50	-16.42	3.64	9.04	34.75	2.15	21.58	38.45	-16.87	V

LTE FDD Band 26_Channel Bandwidth 1.4MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
824.70	-19.00	3.58	9.62	33.79	2.15	18.68	38.45	-19.77	V
836.50	-18.81	3.61	9.22	34.64	2.15	19.29	38.45	-19.16	V
848.30	-18.73	3.64	9.04	34.75	2.15	19.27	38.45	-19.18	V

LTE FDD Band 26_Channel Bandwidth 3MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
825.50	-17.64	3.58	9.62	33.79	2.15	20.04	38.45	-18.41	V
836.50	-17.73	3.61	9.22	34.64	2.15	20.37	38.45	-18.08	V
847.50	-18.10	3.64	9.04	34.75	2.15	19.90	38.45	-18.55	V

LTE FDD Band 26_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
826.50	-17.61	3.58	9.62	33.79	2.15	20.07	38.45	-18.38	V
836.50	-17.61	3.61	9.22	34.64	2.15	20.49	38.45	-17.96	V
846.50	-17.46	3.64	9.04	34.75	2.15	20.54	38.45	-17.91	V

LTE FDD Band 26_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
829.00	-17.01	3.58	9.62	33.79	2.15	20.67	38.45	-17.78	V
836.50	-17.43	3.61	9.22	34.64	2.15	20.67	38.45	-17.78	V
844.00	-16.59	3.64	9.04	34.75	2.15	21.41	38.45	-17.04	V

LTE FDD Band 26_Channel Bandwidth 15MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
831.50	-16.98	3.58	9.62	33.79	2.15	20.70	38.45	-17.75	V
836.50	-16.98	3.61	9.22	34.64	2.15	21.12	38.45	-17.33	V
841.50	-16.67	3.64	9.04	34.75	2.15	21.33	38.45	-17.12	V

LTE TDD Band 38_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2572.5	-18.06	4.34	6.88	36.20	20.68	33.01	-12.33	V
2595.0	-18.85	4.36	6.55	36.26	19.60	33.01	-13.41	V
2617.5	-18.48	4.47	6.35	36.50	19.90	33.01	-13.11	V

LTE TDD Band 38_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2575.0	-18.59	4.34	6.88	36.20	20.15	33.01	-12.86	V
2595.0	-18.58	4.36	6.55	36.26	19.87	33.01	-13.14	V
2615.0	-18.07	4.47	6.35	36.50	20.31	33.01	-12.70	V

LTE TDD Band 38_Channel Bandwidth 15MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2577.5	-18.25	4.34	6.88	36.20	20.49	33.01	-12.52	V
2595.0	-18.67	4.36	6.55	36.26	19.78	33.01	-13.23	V
2612.5	-18.74	4.47	6.35	36.50	19.64	33.01	-13.37	V

LTE TDD Band 38_Channel Bandwidth 20MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2580.0	-18.94	4.34	6.88	36.20	19.80	33.01	-13.21	V
2595.0	-18.97	4.36	6.55	36.26	19.48	33.01	-13.53	V
2610.0	-18.49	4.47	6.35	36.50	19.89	33.01	-13.12	V

LTE TDD Band 38_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2572.5	-19.02	4.34	6.88	36.20	19.72	33.01	-13.29	V
2595.0	-19.44	4.36	6.55	36.26	19.01	33.01	-14.00	V
2617.5	-19.54	4.47	6.35	36.50	18.84	33.01	-14.17	V

LTE TDD Band 38_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2575.0	-18.99	4.34	6.88	36.20	19.75	33.01	-13.26	V
2595.0	-19.59	4.36	6.55	36.26	18.86	33.01	-14.15	V
2615.0	-19.70	4.47	6.35	36.50	18.68	33.01	-14.33	V

LTE TDD Band 38_Channel Bandwidth 15MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2577.5	-19.18	4.34	6.88	36.20	19.56	33.01	-13.45	V
2595.0	-19.45	4.36	6.55	36.26	19.00	33.01	-14.01	V
2612.5	-19.61	4.47	6.35	36.50	18.77	33.01	-14.24	V

LTE TDD Band 38_Channel Bandwidth 20MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2580.0	-19.67	4.34	6.88	36.20	19.07	33.01	-13.94	V
2595.0	-19.14	4.36	6.55	36.26	19.31	33.01	-13.70	V
2610.0	-19.13	4.47	6.35	36.50	19.25	33.01	-13.76	V

LTE TDD Band 41_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2498.5	-18.70	4.32	6.8	36.13	19.91	33.01	-13.10	V
2593.0	-18.38	4.36	6.55	36.26	20.07	33.01	-12.94	V
2687.5	-18.57	4.51	6.37	36.54	19.83	33.01	-13.18	V

LTE TDD Band 41_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2501.0	-18.73	4.32	6.8	36.13	19.88	33.01	-13.13	V
2593.0	-18.68	4.36	6.55	36.26	19.77	33.01	-13.24	V
2685.0	-18.11	4.51	6.37	36.54	20.29	33.01	-12.72	V

LTE TDD Band 41_Channel Bandwidth 15MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2503.5	-18.89	4.32	6.8	36.13	19.72	33.01	-13.29	V
2593.0	-18.47	4.36	6.55	36.26	19.98	33.01	-13.03	V
2682.5	-18.21	4.51	6.37	36.54	20.19	33.01	-12.82	V

LTE TDD Band 41_Channel Bandwidth 20MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2506.0	-18.23	4.32	6.8	36.13	20.38	33.01	-12.63	V
2593.0	-18.73	4.36	6.55	36.26	19.72	33.01	-13.29	V
2680.0	-18.69	4.51	6.37	36.54	19.71	33.01	-13.30	V

LTE TDD Band 41_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2498.5	-19.10	4.32	6.8	36.13	19.51	33.01	-13.50	V
2593.0	-19.48	4.36	6.55	36.26	18.97	33.01	-14.04	V
2687.5	-19.68	4.51	6.37	36.54	18.72	33.01	-14.29	V

LTE TDD Band 41_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2501.0	-19.31	4.32	6.8	36.13	19.30	33.01	-13.71	V
2593.0	-19.31	4.36	6.55	36.26	19.14	33.01	-13.87	V
2685.0	-19.69	4.51	6.37	36.54	18.71	33.01	-14.30	V

LTE TDD Band 41_Channel Bandwidth 15MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2503.5	-19.66	4.32	6.8	36.13	18.95	33.01	-14.06	V
2593.0	-19.63	4.36	6.55	36.26	18.82	33.01	-14.19	V
2682.5	-19.60	4.51	6.37	36.54	18.80	33.01	-14.21	V

LTE TDD Band 41_Channel Bandwidth 20MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2506.0	-19.16	4.32	6.8	36.13	19.45	33.01	-13.56	V
2593.0	-19.53	4.36	6.55	36.26	18.92	33.01	-14.09	V
2680.0	-19.56	4.51	6.37	36.54	18.84	33.01	-14.17	V

LTE FDD Band 66_Channel Bandwidth 1.4MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1710.7	-18.51	3.93	9.05	34.96	21.57	30.00	-8.43	V
1745.0	-19.26	3.93	8.89	35.01	20.71	30.00	-9.29	V
1779.3	-18.98	3.94	8.76	35.08	20.92	30.00	-9.08	V

LTE FDD Band 66_Channel Bandwidth 3MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1711.5	-19.83	3.93	9.05	34.96	20.25	30.00	-9.75	V
1745.0	-19.66	3.93	8.89	35.01	20.31	30.00	-9.69	V
1778.5	-19.57	3.94	8.76	35.08	20.33	30.00	-9.67	V

LTE FDD Band 66_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1712.5	-19.21	3.93	9.05	34.96	20.87	30.00	-9.13	V
1745.0	-18.70	3.93	8.89	35.01	21.27	30.00	-8.73	V
1777.5	-19.15	3.94	8.76	35.08	20.75	30.00	-9.25	V

LTE FDD Band 66_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1715.0	-19.15	3.93	9.05	34.96	20.93	30.00	-9.07	V
1745.0	-19.50	3.93	8.89	35.01	20.47	30.00	-9.53	V
1775.0	-19.19	3.94	8.76	35.08	20.71	30.00	-9.29	V

LTE FDD Band 66_Channel Bandwidth 15MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1717.5	-18.64	3.93	9.05	34.96	21.44	30.00	-8.56	V
1745.0	-19.19	3.93	8.89	35.01	20.78	30.00	-9.22	V
1772.5	-19.46	3.94	8.76	35.08	20.44	30.00	-9.56	V

LTE FDD Band 66_Channel Bandwidth 20MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1720.0	-19.01	3.93	9.05	34.96	21.07	30.00	-8.93	V
1745.0	-19.02	3.93	8.89	35.01	20.95	30.00	-9.05	V
1770.0	-18.99	3.94	8.76	35.08	20.91	30.00	-9.09	V

LTE FDD Band 66_Channel Bandwidth 1.4MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1710.7	-19.60	3.93	9.05	34.96	20.48	30.00	-9.52	V
1745.0	-19.78	3.93	8.89	35.01	20.19	30.00	-9.81	V
1779.3	-19.05	3.94	8.76	35.08	20.85	30.00	-9.15	V

LTE FDD Band 66_Channel Bandwidth 3MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Avergae EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1711.5	-18.84	3.93	9.05	34.96	21.24	30.00	-8.76	V
1745.0	-18.56	3.93	8.89	35.01	21.41	30.00	-8.59	V
1778.5	-18.83	3.94	8.76	35.08	21.07	30.00	-8.93	V

LTE FDD Band 66_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1712.5	-19.11	3.93	9.05	34.96	20.97	30.00	-9.03	V
1745.0	-19.16	3.93	8.89	35.01	20.81	30.00	-9.19	V
1777.5	-19.17	3.94	8.76	35.08	20.73	30.00	-9.27	V

LTE FDD Band 66_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Avergae EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1715.0	-19.25	3.93	9.05	34.96	20.83	30.00	-9.17	V
1745.0	-18.62	3.93	8.89	35.01	21.35	30.00	-8.65	V
1775.0	-18.62	3.94	8.76	35.08	21.28	30.00	-8.72	V

LTE FDD Band 66_Channel Bandwidth 15MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1717.5	-19.16	3.93	9.05	34.96	20.92	30.00	-9.08	V
1745.0	-18.94	3.93	8.89	35.01	21.03	30.00	-8.97	V
1772.5	-19.59	3.94	8.76	35.08	20.31	30.00	-9.69	V

LTE FDD Band 66_Channel Bandwidth 20MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Avergae EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1720.0	-18.83	3.93	9.05	34.96	21.25	30.00	-8.75	V
1745.0	-18.90	3.93	8.89	35.01	21.07	30.00	-8.93	V
1770.0	-18.60	3.94	8.76	35.08	21.30	30.00	-8.70	V

LTE FDD Band 71_Channel Bandwidth 5MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
665.5	-15.89	3.45	8.45	2.15	33.52	20.48	34.77	-14.29	V
680.5	-15.59	3.49	8.45	2.15	33.52	20.74	34.77	-14.03	V
695.5	-16.30	3.55	8.36	2.15	33.52	19.88	34.77	-14.89	V

LTE FDD Band 71_Channel Bandwidth 10MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
668.0	-16.42	3.45	8.45	2.15	33.52	19.95	34.77	-14.82	V
680.5	-15.55	3.49	8.45	2.15	33.52	20.78	34.77	-13.99	V
693.0	-16.25	3.55	8.36	2.15	33.52	19.93	34.77	-14.84	V

LTE FDD Band 71_Channel Bandwidth 15MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
670.5	-16.04	3.45	8.45	2.15	33.52	20.33	34.77	-14.44	V
680.5	-16.09	3.49	8.45	2.15	33.52	20.24	34.77	-14.53	V
690.5	-15.52	3.55	8.36	2.15	33.52	20.66	34.77	-14.11	V

LTE FDD Band 71_Channel Bandwidth 20MHz_QPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
673.0	-15.53	3.45	8.45	2.15	33.52	20.84	34.77	-13.93	V
680.5	-16.09	3.49	8.45	2.15	33.52	20.24	34.77	-14.53	V
688.0	-16.33	3.55	8.36	2.15	33.52	19.85	34.77	-14.92	V

LTE FDD Band 71_Channel Bandwidth 5MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
665.5	-16.45	3.45	8.45	2.15	33.52	19.92	34.77	-14.85	V
680.5	-15.55	3.49	8.45	2.15	33.52	20.78	34.77	-13.99	V
695.5	-16.38	3.55	8.36	2.15	33.52	19.80	34.77	-14.97	V

LTE FDD Band 71_Channel Bandwidth 10MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
668.0	-15.72	3.45	8.45	2.15	33.52	20.65	34.77	-14.12	V
680.5	-15.84	3.49	8.45	2.15	33.52	20.49	34.77	-14.28	V
693.0	-16.17	3.55	8.36	2.15	33.52	20.01	34.77	-14.76	V

LTE FDD Band 71_Channel Bandwidth 15MHz_16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
670.5	-15.94	3.45	8.45	2.15	33.52	20.43	34.77	-14.34	V
680.5	-15.99	3.49	8.45	2.15	33.52	20.34	34.77	-14.43	V
690.5	-15.82	3.55	8.36	2.15	33.52	20.36	34.77	-14.41	V

LTE FDD Band 71_Channel Bandwidth 20MHz_16QAM

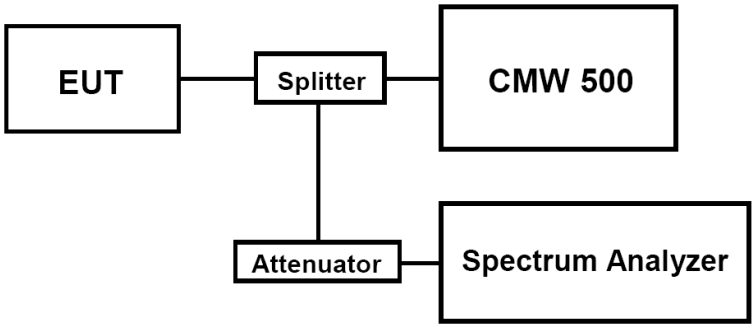
Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
673.0	-15.68	3.45	8.45	2.15	33.52	20.69	34.77	-14.08	V
680.5	-15.81	3.49	8.45	2.15	33.52	20.52	34.77	-14.25	V
688.0	-16.08	3.55	8.36	2.15	33.52	20.10	34.77	-14.67	V

4.2 Peak-to-Average Ratio (PAR)

LIMIT

The Peak-to-Average Ratio (PAR) of the transmission may not exceed 13 dB.

TEST CONFIGURATION



TEST PROCEDURE

1. Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
2. Set resolution/measurement bandwidth ⩾ signal's occupied bandwidth;
3. Set the number of counts to a value that stabilizes the measured CCDF curve;
4. Set the measurement interval as follows:
   1). for continuous transmissions, set to 1 ms,
   2). for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.
5. Record the maximum PAPR level associated with a probability of 0.1%.

TEST RESULTS

Remark:

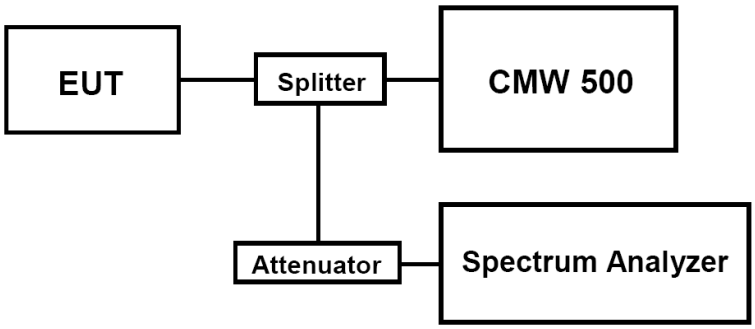
1. *We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 7, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 17, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 38, LTE FDD Band 41, LTE FDD Band 66, LTE FDD Band 71 recorded worst case for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 7, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 17, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 38, LTE FDD Band 41, LTE FDD Band 66, LTE FDD Band 71.*
2. *For E-UTRA Band 2, please refer to Appendix H: Section H.2*
3. *For E-UTRA Band 4, please refer to Appendix I: Section I.2*
4. *For E-UTRA Band 5, please refer to Appendix J: Section J.2*
5. *For E-UTRA Band 7, please refer to Appendix K: Section K.2*
6. *For E-UTRA Band 12 please refer to Appendix L: Section L.2*
7. *For E-UTRA Band 13, please refer to Appendix M: Section M.2*
8. *For E-UTRA Band 17, please refer to Appendix N: Section N.2*
9. *For E-UTRA Band 25, please refer to Appendix O: Section O.2*
10. *For E-UTRA Band 26, please refer to Appendix P: Section P.2 & Appendix Q: Section Q.2*
11. *For E-UTRA Band 38, please refer to Appendix R: Section R.2*
12. *For E-UTRA Band 41, please refer to Appendix S: Section S.2*
13. *For E-UTRA Band 66, please refer to Appendix T: Section T.2*
14. *For E-UTRA Band 71, please refer to Appendix U: Section U.2*

4.3 Occupied Bandwidth and Emission Bandwidth

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at low, middle and high channel in each band. The -26dBc Emission bandwidth was also measured and recorded.
Set RBW was set to about 1% of emission BW, VBW≥3 times RBW.
-26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.

TEST RESULTS

Remark:

1. *We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 7, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 17, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 38, LTE FDD Band 41, LTE FDD Band 66, LTE FDD Band 71 recorded worst case for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 7, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 17, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 38, LTE FDD Band 41, LTE FDD Band 66, LTE FDD Band 71.*
2. *For E-UTRA Band 2, please refer to Appendix H: Section H.3*
3. *For E-UTRA Band 4, please refer to Appendix I: Section I.3*
4. *For E-UTRA Band 5, please refer to Appendix J: Section J.3*
5. *For E-UTRA Band 7, please refer to Appendix K: Section K.3*
6. *For E-UTRA Band 12 please refer to Appendix L: Section L.3*
7. *For E-UTRA Band 13, please refer to Appendix M: Section M.3*
8. *For E-UTRA Band 17, please refer to Appendix N: Section N.3*
9. *For E-UTRA Band 25, please refer to Appendix O: Section O.3*
10. *For E-UTRA Band 26, please refer to Appendix P: Section P.3 & Appendix Q: Section Q.3*
11. *For E-UTRA Band 38, please refer to Appendix R: Section R.3*
12. *For E-UTRA Band 41, please refer to Appendix S: Section S.3*
13. *For E-UTRA Band 66, please refer to Appendix T: Section T.3*
14. *For E-UTRA Band 71, please refer to Appendix U: Section U.3*

4.4 Band Edge compliance

LIMIT

For LTE FDD Band 2:Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For LTE FDD Band 4: Per §27.53(h): For operations in the 1710–1755 MHz and 2110–2155 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) dB.

For LTE FDD Band 5:Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For LTE FDD Band 7: Per FCC §27.53 (m)(4): For mobile digital stations, the attenuation factor shall be not less than:
○40+10logP dB (−10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge,
○43+10logP dB (−13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge, and
○55+10logP dB (−25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB). [§ 27.53(m)(4)]
In addition, the attenuation factor (fixed limit) shall not be less than:
○43+10logP dB on all frequencies between 2490.5 MHz and 2496 MHz, and
○55+10logP dB at or below 2490.5 MHz. [§ 27.53(m)(4)]

For LTE FDD Band 12: Per §27.53 (g): For operations in the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB.

For LTE FDD Band 13: Per §27.53 (c): For operations in the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following: On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;
On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations

For LTE FDD Band 17: Per §27.53(g): (g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

For LTE FDD Band 25:Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For LTE FDD Band 26: Per FCC §90.669 the power of any emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) decibels or 80 decibels, whichever is the lesser attenuation.
Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

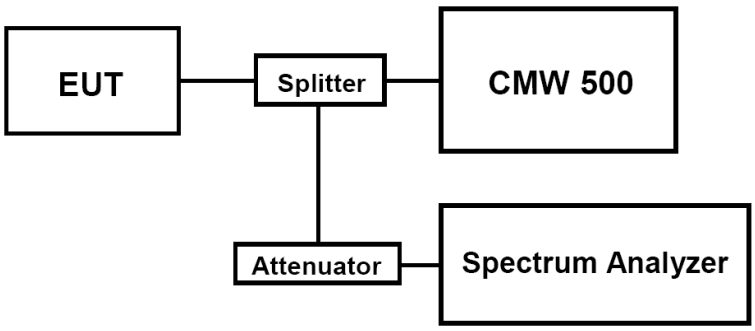
For LTE TDD Band 38/41: Per §27.53 (m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be

employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.
(m)(4) For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.Show citation box.

For LTE FDD Band 66: Per §27.53(h): For operations in the 1710–1780 MHz and 2110–2200 MHz bands, the power of any emission outside a licensee’s frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) dB.

For LTE FDD Band 71: Per §27.53(g):For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

TEST CONFIGURATION



TEST PROCEDURE

1. The transmitter output port was connected to base station.
2. The RF output of EUT was connected to the power meter by RF cable and attenuator, the path loss was compensated to the results for each measurement.
3. Set EUT at maximum power through base station.
4. Select lowestand highest channels for each band and different modulation.
5. Measure Band edge using RMS (Average) detector by spectrum

TEST RESULTS

Remark:

1. *We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 7, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 17, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 38, LTE FDD Band 41, LTE FDD Band 66, LTE FDD Band 71 recorded worst case for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 7, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 17, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 38, LTE FDD Band 41, LTE FDD Band 66, LTE FDD Band 71.*
2. *For E-UTRA Band 2, please refer to Appendix H: Section H.4*
3. *For E-UTRA Band 4, please refer to Appendix I: Section I.4*
4. *For E-UTRA Band 5, please refer to Appendix J: Section J.4*
5. *For E-UTRA Band 7, please refer to Appendix K: Section K.4*
6. *For E-UTRA Band 12 please refer to Appendix L: Section L.4*
7. *For E-UTRA Band 13, please refer to Appendix M: Section M.4*
8. *For E-UTRA Band 17, please refer to Appendix N: Section N.4*
9. *For E-UTRA Band 25, please refer to Appendix O: Section O.4*
10. *For E-UTRA Band 26, please refer to Appendix P: Section P.4 & Appendix Q: Section Q.4*
11. *For E-UTRA Band 38, please refer to Appendix R: Section R.4*
12. *For E-UTRA Band 41, please refer to Appendix S: Section S.4*
13. *For E-UTRA Band 66, please refer to Appendix T: Section T.4*
14. *For E-UTRA Band 71, please refer to Appendix U: Section U.4*

4.5 Spurious Emssion on Antenna Port

LIMIT

For LTE FDD Band 2:Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For LTE FDD Band 4: Per §27.53(h): For operations in the 1710–1755 MHz and 2110–2155 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) dB.

For LTE FDD Band 5:Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For LTE FDD Band 7: Per FCC §27.53 (m)(4): For mobile digital stations, the attenuation factor shall be not less than:
○40+10logP dB (−10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge,
○43+10logP dB (−13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge, and
○55+10logP dB (−25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB). [§ 27.53(m)(4)]
In addition, the attenuation factor (fixed limit) shall not be less than:
○43+10logP dB on all frequencies between 2490.5 MHz and 2496 MHz, and
○55+10logP dB at or below 2490.5 MHz. [§ 27.53(m)(4)]

For LTE FDD Band 12: Per §27.53 (g): For operations in the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB.

For LTE FDD Band 13: Per §27.53 (c): For operations in the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following: On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;
On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations;

For LTE FDD Band 17: Per §27.53(g): (g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

For LTE FDD Band 25:Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For LTE FDD Band 26: Per FCC §90.669 the power of any emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) decibels or 80 decibels, whichever is the lesser attenuation.
Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For LTE TDD Band 38/41: Per §27.53 (m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth

of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

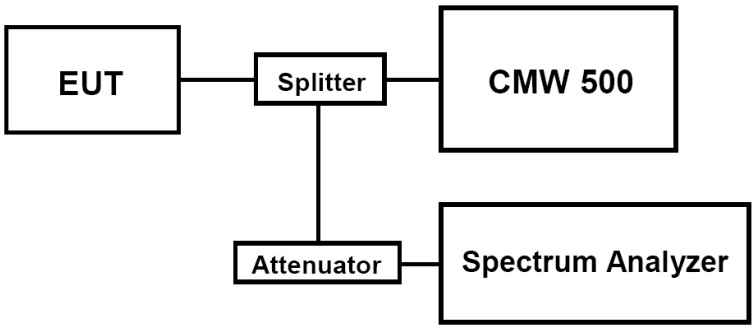
(m)(4) For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.Show citation box.

For LTE FDD Band 66: Per §27.53(h): For operations in the 1710–1780 MHz and 2110–2200 MHz bands, the power of any emission outside a licensee’s frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) dB.

For LTE FDD Band 66: Per §27.53(h): For operations in the 1710–1780 MHz and 2110–2200 MHz bands, the power of any emission outside a licensee’s frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) dB.

For LTE FDD Band 71: Per §27.53(g):For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

TEST CONFIGURATION



TEST PROCEDURE

The EUT was setup according to TIA-603-E

a. Place the EUT on a bench and set it in transmitting mode.
b. Connect a low loss RF cable from the antenna port to a spectrum analyzer and CMW 500 by a Directional Couple.
c. EUT Communicate with CMW 500, then select a channel for testing.
d. Add a correction factor to the display of spectrum, and then test.
e. The resolution bandwidth of the spectrum analyzer was setsufficient scans were taken to show the out of band Emission if any up to10th harmonic.
f. Please refer to following tables for test antenna conducted emissions.

Working Frequency	Sub range (GHz)	RBW	VBW	Sweep time (s)
LTE FDD Band 2	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~20	1 MHz	3 MHz	Auto
LTE FDD Band 4	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~20	1 MHz	3 MHz	Auto
LTE FDD Band 5	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~10	1 MHz	3 MHz	Auto
LTE FDD Band 7	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~26	1 MHz	3 MHz	Auto
LTE FDD Band 12	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~10	1 MHz	3 MHz	Auto
LTE FDD Band 13	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~16.1	1 MHz	3 MHz	Auto
LTE FDD Band 17	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~26	1 MHz	3 MHz	Auto
LTE FDD Band 25	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~20	1 MHz	3 MHz	Auto
LTE FDD Band 26	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~10	1 MHz	3 MHz	Auto
LTE FDD Band 38	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~26.5	1 MHz	3 MHz	Auto
LTE FDD Band 41	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~26	1 MHz	3 MHz	Auto
LTE FDD Band 66	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~26.5	1 MHz	3 MHz	Auto
LTE FDD Band 71	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~10	1 MHz	3 MHz	Auto

TEST RESULTS

Remark:

1. *We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 7, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 17, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 38, LTE FDD Band 41, LTE FDD Band 66, LTE FDD Band 71 recorded worst case for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 7, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 17, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 38, LTE FDD Band 41, LTE FDD Band 66, LTE FDD Band 71.*
2. *For E-UTRA Band 2, please refer to Appendix H: Section H.5*
3. *For E-UTRA Band 4, please refer to Appendix I: Section I.5*
4. *For E-UTRA Band 5, please refer to Appendix J: Section J.5*
5. *For E-UTRA Band 7, please refer to Appendix K: Section K.5*
6. *For E-UTRA Band 12 please refer to Appendix L: Section L.5*
7. *For E-UTRA Band 13, please refer to Appendix M: Section M.5*
8. *For E-UTRA Band 17, please refer to Appendix N: Section N.5*
9. *For E-UTRA Band 25, please refer to Appendix O: Section O.5*
10. *For E-UTRA Band 26, please refer to Appendix P: Section P.5 & Appendix Q: Section Q.5*
11. *For E-UTRA Band 38, please refer to Appendix R: Section R.5*
12. *For E-UTRA Band 41, please refer to Appendix S: Section S.5*
13. *For E-UTRA Band 66, please refer to Appendix T: Section T.5*
14. *For E-UTRA Band 71, please refer to Appendix U: Section U.5*

4.6 Radiated Spurious Emssion

LIMIT

For LTE FDD Band 2:Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For LTE FDD Band 4: Per §27.53(h): For operations in the 1710–1755 MHz and 2110–2155 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) dB.

For LTE FDD Band 5:Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For LTE FDD Band 7: Per FCC §27.53 (m)(4): For mobile digital stations, the attenuation factor shall be not less than:
○40+10logP dB (−10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge,
○43+10logP dB (−13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge, and
○55+10logP dB (−25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB). [§ 27.53(m)(4)]
In addition, the attenuation factor (fixed limit) shall not be less than:
○43+10logP dB on all frequencies between 2490.5 MHz and 2496 MHz, and
○55+10logP dB at or below 2490.5 MHz. [§ 27.53(m)(4)]

For LTE FDD Band 12: Per §27.53 (g): For operations in the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB.

For LTE FDD Band 13: Per §27.53 (c): For operations in the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following: On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;
On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations;

For LTE FDD Band 17: Per §27.53(g): (g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

For LTE FDD Band 25:Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For LTE FDD Band 26: Per FCC §90.669 the power of any emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) decibels or 80 decibels, whichever is the lesser attenuation.
Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For LTE TDD Band 38/41: Per §27.53 (m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the

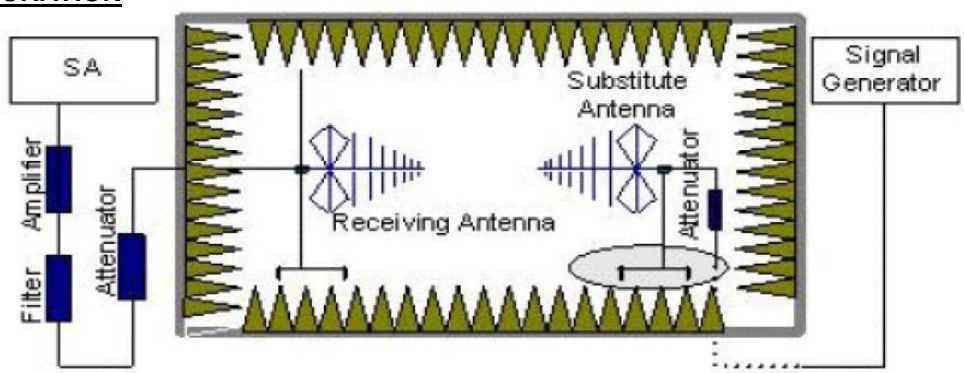
frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

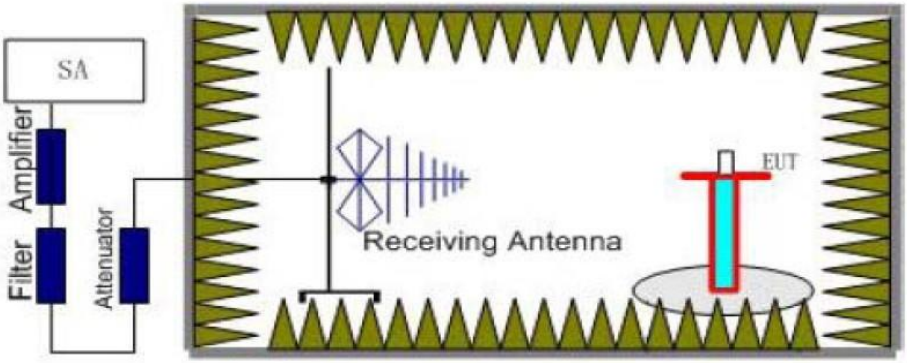
(m)(4) For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.Show citation box

For LTE FDD Band 66: Per §27.53(h): For operations in the 1710–1780 MHz and 2110–2200 MHz bands, the power of any emission outside a licensee’s frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) dB.

For LTE FDD Band 71: Per §27.53(g):For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

TEST CONFIGURATION





TEST PROCEDURE

1. EUT was placed on a 1.50 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.50m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
3. The EUT is then put into continuously transmitting mode at its maximum power level during the test.Set Test Receiver or Spectrum RBW=1MHz,VBW=3MHz, And the maximum value of the receiver should be recorded as (P_r).
4. The EUT shall be replaced by a substitution antenna.In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (P_{cl}) ,the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test.
   The measurement results are obtained as described below:
   Power(EIRP)=P_{Mea}+ P_{Ag} - P_{cl} + G_a
6. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
7. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP -2.15dBi.
8. In order to make sure test results more clearly,we set frequency range and sweep time for difference frequency range as follows table:

Working Frequency	Subrange (GHz)	RBW	VBW	Sweep time (s)
LTE FDD Band 2	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3
	11~14	1 MHz	3 MHz	3
	14~18	1 MHz	3 MHz	3
	18~20	1 MHz	3 MHz	2
LTE FDD Band 4	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3
	11~14	1 MHz	3 MHz	3
	14~18	1 MHz	3 MHz	3
LTE FDD Band 5	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10

	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~9	1 MHz	3 MHz	3
LTE FDD Band 7	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3
	11~14	1 MHz	3 MHz	3
	14~18	1 MHz	3 MHz	3
	18~20	1 MHz	3 MHz	2
	20~26	1 MHz	3 MHz	2
LTE FDD Band 12	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
LTE FDD Band 13	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
LTE FDD Band 17	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
LTE FDD Band 25	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3
	11~14	1 MHz	3 MHz	3
	14~18	1 MHz	3 MHz	3
	18~20	1 MHz	3 MHz	2
LTE FDD Band 26	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3
LTE FDD Band 38	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3

	11~14	1 MHz	3 MHz	3
	14~18	1 MHz	3 MHz	3
	18~20	1 MHz	3 MHz	2
	20~26	1 MHz	3 MHz	2
LTE TDD Band 41	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3
	11~14	1 MHz	3 MHz	3
	14~18	1 MHz	3 MHz	3
	18~20	1 MHz	3 MHz	2
	20~26	1 MHz	3 MHz	2
LTE TDD Band 66	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~8	1 MHz	3 MHz	3
	8~11	1 MHz	3 MHz	3
	11~14	1 MHz	3 MHz	3
	14~18	1 MHz	3 MHz	3
LTE TDD Band 71	0.00009~0.15	1KHz	3KHz	30
	0.00015~0.03	10KHz	30KHz	10
	0.03~1	100KHz	300KHz	10
	1~2	1 MHz	3 MHz	2
	2~5	1 MHz	3 MHz	3
	5~7	1 MHz	3 MHz	3

Frequency	Channel	Frequency Range	Verdict
LTE FDD Band 2	Low	9KHz -20GHz	PASS
	Middle	9KHz -20GHz	PASS
	High	9KHz -20GHz	PASS
LTE FDD Band 4	Low	9KHz -18GHz	PASS
	Middle	9KHz -18GHz	PASS
	High	9KHz -18GHz	PASS
LTE FDD Band 5	Low	9KHz -9GHz	PASS
	Middle	9KHz -9GHz	PASS
	High	9KHz -9GHz	PASS
LTE FDD Band 7	Low	9KHz -26GHz	PASS
	Middle	9KHz -26GHz	PASS
	High	9KHz -26GHz	PASS
LTE FDD Band 12	Low	9KHz -8GHz	PASS
	Middle	9KHz -8GHz	PASS
	High	9KHz -8GHz	PASS
LTE FDD Band 13	Low	9KHz -8GHz	PASS
	Middle	9KHz -8GHz	PASS
	High	9KHz -8GHz	PASS
LTE FDD Band 17	Low	9KHz -8GHz	PASS
	Middle	9KHz -8GHz	PASS
	High	9KHz -8GHz	PASS
LTE FDD Band 25	Low	9KHz -20GHz	PASS
	Middle	9KHz -20GHz	PASS
	High	9KHz -20GHz	PASS

LTE FDD Band 26	Low	9KHz -8GHz	PASS
	Middle	9KHz -8GHz	PASS
	High	9KHz -8GHz	PASS
LTE FDD Band 38	Low	9KHz -26GHz	PASS
	Middle	9KHz -26GHz	PASS
	High	9KHz -26GHz	PASS
LTE TDD Band 41	Low	9KHz -26GHz	PASS
	Middle	9KHz -26GHz	PASS
	High	9KHz -26GHz	PASS
LTE TDD Band 66	Low	9KHz -18GHz	PASS
	Middle	9KHz -18GHz	PASS
	High	9KHz -18GHz	PASS
LTE FDD Band 71	Low	9KHz -7GHz	PASS
	Middle	9KHz -7GHz	PASS
	High	9KHz -7GHz	PASS

TEST RESULTS

Remark:
1. We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 7, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 17, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 38, LTE FDD Band 41, LTE FDD Band 66, LTE FDD Band 71 recorded worst case for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 7, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 17, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 38, LTE FDD Band 41, LTE FDD Band 66, LTE FDD Band 71.
3. We were not recorded other points as values lower than limits.
4. Power(EIRP)=P_{Mea}+ P_{Ag} - P_{cl} + G_a
5. Margin = EIRP - Limit

Note: All adapteres and all the modes have been tested and recorded worst mode in the report.
LTE FDD Band 2_Channel Bandwidth 20MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3715.0	-38.09	5.26	3.00	9.88	-33.47	-13.00	-20.47	H
5572.5	-44.04	6.11	3.00	11.36	-38.79	-13.00	-25.79	H
3715.0	-29.03	5.26	3.00	9.88	-24.41	-13.00	-11.41	V
5572.5	-34.77	6.11	3.00	11.36	-29.52	-13.00	-16.52	V

LTE FDD Band 2_Channel Bandwidth 20MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3720.0	-39.62	5.32	3.00	10.03	-34.91	-13.00	-21.91	H
5580.0	-45.88	6.19	3.00	11.41	-40.66	-13.00	-27.66	H
3720.0	-30.73	5.32	3.00	10.03	-26.02	-13.00	-13.02	V
5580.0	-33.97	6.19	3.00	11.41	-28.75	-13.00	-15.75	V

LTE FDD Band 2_Channel Bandwidth 20MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3800.0	-40.55	5.36	3.00	9.62	-36.29	-13.00	-23.29	H
5700.0	-46.79	6.24	3.00	11.46	-41.57	-13.00	-28.57	H
3800.0	-28.24	5.36	3.00	9.62	-23.98	-13.00	-10.98	V
5700.0	-36.44	6.24	3.00	11.46	-31.22	-13.00	-18.22	V

LTE FDD Band 2_Channel Bandwidth 20MHz_16QAM _ Low Channel

Frequency	P_{Mea}	P_{cl}	Diatance	G_a	Peak	Limit	Margin	Polarization

(MHz)	(dBm)	(dB)		Antenna Gain(dB)	EIRP (dBm)	(dBm)	(dB)	
3715.0	-40.28	5.26	3.00	9.88	-35.66	-13.00	-22.66	H
5572.5	-44.66	6.11	3.00	11.36	-39.41	-13.00	-26.41	H
3715.0	-31.43	5.26	3.00	9.88	-26.81	-13.00	-13.81	V
5572.5	-33.91	6.11	3.00	11.36	-28.66	-13.00	-15.66	V

LTE FDD Band 2_Channel Bandwidth 20MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3720.0	-38.04	5.32	3.00	10.03	-33.33	-13.00	-20.33	H
5580.0	-44.61	6.19	3.00	11.41	-39.39	-13.00	-26.39	H
3720.0	-31.16	5.32	3.00	10.03	-26.45	-13.00	-13.45	V
5580.0	-34.13	6.19	3.00	11.41	-28.91	-13.00	-15.91	V

LTE FDD Band 2_Channel Bandwidth 20MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3800.0	-37.62	5.36	3.00	9.62	-33.36	-13.00	-20.36	H
5700.0	-43.92	6.24	3.00	11.46	-38.70	-13.00	-25.70	H
3800.0	-31.31	5.36	3.00	9.62	-27.05	-13.00	-14.05	V
5700.0	-36.93	6.24	3.00	11.46	-31.71	-13.00	-18.71	V

LTE FDD Band 4_Channel Bandwidth 20MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3440.0	-42.77	4.62	3.00	9.81	-37.58	-13.00	-24.58	H
5160.0	-46.78	5.94	3.00	10.86	-41.86	-13.00	-28.86	H
3440.0	-34.27	4.62	3.00	9.81	-29.08	-13.00	-16.08	V
5160.0	-40.05	5.94	3.00	10.86	-35.13	-13.00	-22.13	V

LTE FDD Band 4_Channel Bandwidth 20MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.0	-40.48	4.63	3.00	9.84	-35.27	-13.00	-22.27	H
5197.5	-48.96	5.94	3.00	10.86	-44.04	-13.00	-31.04	H
3465.0	-34.80	4.63	3.00	9.84	-29.59	-13.00	-16.59	V
5197.5	-39.98	5.94	3.00	10.86	-35.06	-13.00	-22.06	V

LTE FDD Band 4_Channel Bandwidth 20MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3490.0	-41.91	4.65	3.00	9.9	-36.66	-13.00	-23.66	H
5235.0	-45.73	5.95	3.00	10.91	-40.77	-13.00	-27.77	H
3490.0	-35.64	4.65	3.00	9.9	-30.39	-13.00	-17.39	V
5235.0	-38.38	5.95	3.00	10.91	-33.42	-13.00	-20.42	V

LTE FDD Band 4_Channel Bandwidth 20MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3440.0	-42.58	4.62	3.00	9.81	-37.39	-13.00	-24.39	H
5160.0	-46.72	5.94	3.00	10.86	-41.80	-13.00	-28.80	H

3440.0	-34.84	4.62	3.00	9.81	-29.65	-13.00	-16.65	V
5160.0	-38.66	5.94	3.00	10.86	-33.74	-13.00	-20.74	V

LTE FDD Band 4_Channel Bandwidth 20MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3465.0	-41.28	4.63	3.00	9.84	-36.07	-13.00	-23.07	H
5197.5	-46.66	5.94	3.00	10.86	-41.74	-13.00	-28.74	H
3465.0	-33.32	4.63	3.00	9.84	-28.11	-13.00	-15.11	V
5197.5	-41.40	5.94	3.00	10.86	-36.48	-13.00	-23.48	V

LTE FDD Band 4_Channel Bandwidth 20MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3490.0	-41.23	4.65	3.00	9.9	-35.98	-13.00	-22.98	H
5235.0	-45.05	5.95	3.00	10.91	-40.09	-13.00	-27.09	H
3490.0	-36.46	4.65	3.00	9.9	-31.21	-13.00	-18.21	V
5235.0	-40.12	5.95	3.00	10.91	-35.16	-13.00	-22.16	V

LTE FDD Band 5_Channel Bandwidth 10MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1658.00	-39.30	3.86	3.00	8.56	-34.60	-13.00	-21.60	H
2487.00	-44.95	4.29	3.00	6.98	-42.26	-13.00	-29.26	H
1658.00	-33.14	3.86	3.00	8.56	-28.44	-13.00	-15.44	V
2487.00	-39.62	4.29	3.00	6.98	-36.93	-13.00	-23.93	V

LTE FDD Band 5_Channel Bandwidth 10MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-40.49	3.9	3.00	8.58	-35.81	-13.00	-22.81	H
2509.50	-44.25	4.32	3.00	6.8	-41.77	-13.00	-28.77	H
1673.00	-35.79	3.9	3.00	8.58	-31.11	-13.00	-18.11	V
2509.50	-38.33	4.32	3.00	6.8	-35.85	-13.00	-22.85	V

LTE FDD Band 5_Channel Bandwidth 10MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1688.00	-39.68	3.91	3.00	9.06	-34.53	-13.00	-21.53	H
2532.00	-46.61	4.32	3.00	6.65	-44.28	-13.00	-31.28	H
1688.00	-36.65	3.91	3.00	9.06	-31.50	-13.00	-18.50	V
2532.00	-37.90	4.32	3.00	6.65	-35.57	-13.00	-22.57	V

LTE FDD Band 5_Channel Bandwidth 10MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1658.00	-39.71	3.86	3.00	8.56	-35.01	-13.00	-22.01	H
2487.00	-47.86	4.29	3.00	6.98	-45.17	-13.00	-32.17	H
1658.00	-36.26	3.86	3.00	8.56	-31.56	-13.00	-18.56	V
2487.00	-39.42	4.29	3.00	6.98	-36.73	-13.00	-23.73	V

LTE FDD Band 5_Channel Bandwidth 10MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-40.69	3.9	3.00	8.58	-36.01	-13.00	-23.01	H
2509.50	-45.58	4.32	3.00	6.8	-43.10	-13.00	-30.10	H
1673.00	-36.09	3.9	3.00	8.58	-31.41	-13.00	-18.41	V
2509.50	-39.58	4.32	3.00	6.8	-37.10	-13.00	-24.10	V

LTE FDD Band 5_Channel Bandwidth 10MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1688.00	-40.19	3.91	3.00	9.06	-35.04	-13.00	-22.04	H
2532.00	-45.99	4.32	3.00	6.65	-43.66	-13.00	-30.66	H
1688.00	-35.85	3.91	3.00	9.06	-30.70	-13.00	-17.70	V
2532.00	-37.98	4.32	3.00	6.65	-35.65	-13.00	-22.65	V

LTE FDD Band 7_Channel Bandwidth 20MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5020.0	-41.70	5.88	3.00	10.77	-36.81	-25.00	-11.81	H
7530.0	-44.85	7.12	3.00	12.26	-39.71	-25.00	-14.71	H
5020.0	-40.21	5.88	3.00	10.77	-35.32	-25.00	-10.32	V
7530.0	-40.31	7.12	3.00	12.26	-35.17	-25.00	-10.17	V

LTE FDD Band 7_Channel Bandwidth 20MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5070.0	-41.18	5.9	3.00	10.81	-36.27	-25.00	-11.27	H
7605.0	-47.48	7.19	3.00	12.32	-42.35	-25.00	-17.35	H
5070.0	-44.12	5.9	3.00	10.81	-39.21	-25.00	-14.21	V
7605.0	-44.44	7.19	3.00	12.32	-39.31	-25.00	-14.31	V

LTE FDD 7_Channel Bandwidth 20MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5120.0	-38.43	5.94	3.00	10.86	-33.51	-25.00	-8.51	H
7680.0	-46.41	7.25	3.00	12.98	-40.68	-25.00	-15.68	H
5120.0	-44.78	5.94	3.00	10.86	-39.86	-25.00	-14.86	V
7680.0	-38.48	7.25	3.00	12.98	-32.75	-25.00	-7.75	V

LTE FDD Band 7_Channel Bandwidth 20MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5020.0	-40.85	5.88	3.00	10.77	-35.96	-25.00	-10.96	H
7530.0	-47.07	7.12	3.00	12.26	-41.93	-25.00	-16.93	H
5020.0	-41.95	5.88	3.00	10.77	-37.06	-25.00	-12.06	V
7530.0	-41.46	7.12	3.00	12.26	-36.32	-25.00	-11.32	V

LTE FDD Band 7_Channel Bandwidth 20MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5070.0	-41.51	5.9	3.00	10.81	-36.60	-25.00	-11.60	H

7605.0	-45.97	7.19	3.00	12.32	-40.84	-25.00	-15.84	H
5070.0	-45.21	5.9	3.00	10.81	-40.30	-25.00	-15.30	V
7605.0	-43.71	7.19	3.00	12.32	-38.58	-25.00	-13.58	V

LTE FDD Band 7_Channel Bandwidth 20MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5120.0	-40.56	5.94	3.00	10.86	-35.64	-25.00	-10.64	H
7680.0	-46.32	7.25	3.00	12.98	-40.59	-25.00	-15.59	H
5120.0	-46.51	5.94	3.00	10.86	-41.59	-25.00	-16.59	V
7680.0	-41.72	7.25	3.00	12.98	-35.99	-25.00	-10.99	V

LTE FDD Band 12_Channel Bandwidth 10MHz_QPSK _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1408.00	-41.23	3.71	3.00	9.02	-35.92	-13.00	-22.92	H
2112.00	-45.44	4.22	3.00	8.64	-41.02	-13.00	-28.02	H
1408.00	-33.39	3.71	3.00	9.02	-28.08	-13.00	-15.08	V
2112.00	-38.15	4.22	3.00	8.64	-33.73	-13.00	-20.73	V

LTE FDD Band 12_Channel Bandwidth 10MHz_QPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1415.00	-41.47	3.72	3.00	9.04	-36.15	-13.00	-23.15	H
2122.50	-46.57	4.23	3.00	8.6	-42.20	-13.00	-29.20	H
1415.00	-33.60	3.72	3.00	9.04	-28.28	-13.00	-15.28	V
2122.50	-37.47	4.23	3.00	8.6	-33.10	-13.00	-20.10	V

LTE FDD Band 12_Channel Bandwidth 10MHz_QPSK _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1422.00	-41.62	4.78	3.00	8.91	-37.49	-13.00	-24.49	H
2133.00	-46.20	4.25	3.00	8.26	-42.19	-13.00	-29.19	H
1422.00	-36.02	4.78	3.00	8.91	-31.89	-13.00	-18.89	V
2133.00	-36.27	4.25	3.00	8.26	-32.26	-13.00	-19.26	V

LTE FDD Band 12_Channel Bandwidth 10MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1408.00	-40.12	3.71	3.00	9.02	-34.81	-13.00	-21.81	H
2112.00	-46.71	4.22	3.00	8.64	-42.29	-13.00	-29.29	H
1408.00	-36.15	3.71	3.00	9.02	-30.84	-13.00	-17.84	V
2112.00	-38.55	4.22	3.00	8.64	-34.13	-13.00	-21.13	V

LTE FDD Band 12_Channel Bandwidth 10MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1415.00	-41.64	3.72	3.00	9.04	-36.32	-13.00	-23.32	H
2122.50	-47.68	4.23	3.00	8.6	-43.31	-13.00	-30.31	H
1415.00	-34.37	3.72	3.00	9.04	-29.05	-13.00	-16.05	V
2122.50	-39.65	4.23	3.00	8.6	-35.28	-13.00	-22.28	V

LTE FDD Band 12_Channel Bandwidth 10MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1422.00	-41.50	4.78	3.00	8.91	-37.37	-13.00	-24.37	H
2133.00	-44.64	4.25	3.00	8.26	-40.63	-13.00	-27.63	H
1422.00	-36.86	4.78	3.00	8.91	-32.73	-13.00	-19.73	V
2133.00	-38.76	4.25	3.00	8.26	-34.75	-13.00	-21.75	V

LTE FDD Band 13_Channel Bandwidth 10MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1564.0	-61.16	4.92	3.00	10.45	-55.63	-40.00	-15.63	H
2346.0	-47.60	5.78	3.00	12.32	-41.06	-13.00	-28.06	H
1564.0	-59.37	4.92	3.00	10.45	-53.84	-40.00	-13.84	V
2346.0	-39.41	5.78	3.00	12.32	-32.87	-13.00	-19.87	V

LTE FDD Band 13_Channel Bandwidth 10MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1564.0	-59.82	4.99	3.00	11.12	-53.69	-40.00	-13.69	H
2346.0	-47.72	5.85	3.00	12.02	-41.55	-13.00	-28.55	H
1564.0	-58.35	4.99	3.00	11.12	-52.22	-40.00	-12.22	V
2346.0	-36.07	5.85	3.00	12.02	-29.90	-13.00	-16.90	V

LTE FDD Band 17_Channel Bandwidth 10MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1418.0	-39.83	3.72	3.00	9.04	-34.51	-13.00	-21.51	H
2127.0	-46.83	4.23	3.00	8.6	-42.46	-13.00	-29.46	H
1418.0	-36.65	3.72	3.00	9.04	-31.33	-13.00	-18.33	V
2127.0	-37.32	4.23	3.00	8.6	-32.95	-13.00	-19.95	V

LTE FDD Band 17_Channel Bandwidth 10MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1420.0	-40.10	4.78	3.00	8.91	-35.97	-13.00	-22.97	H
2130.0	-47.96	4.25	3.00	8.26	-43.95	-13.00	-30.95	H
1420.0	-33.06	4.78	3.00	8.91	-28.93	-13.00	-15.93	V
2130.0	-39.66	4.25	3.00	8.26	-35.65	-13.00	-22.65	V

LTE FDD Band 17_Channel Bandwidth 10MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1422.0	-39.03	4.78	3.00	8.91	-34.90	-13.00	-21.90	H
2133.0	-45.64	4.25	3.00	8.26	-41.63	-13.00	-28.63	H
1422.0	-33.00	4.78	3.00	8.91	-28.87	-13.00	-15.87	V
2133.0	-36.90	4.25	3.00	8.26	-32.89	-13.00	-19.89	V

LTE FDD Band 17_Channel Bandwidth 10MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization

1418.0	-40.85	3.72	3.00	9.04	-35.53	-13.00	-22.53	H
2127.0	-45.46	4.23	3.00	8.6	-41.09	-13.00	-28.09	H
1418.0	-35.01	3.72	3.00	9.04	-29.69	-13.00	-16.69	V
2127.0	-39.61	4.23	3.00	8.6	-35.24	-13.00	-22.24	V

LTE FDD Band 17_Channel Bandwidth 10MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1420.0	-40.99	4.78	3.00	8.91	-36.86	-13.00	-23.86	H
2130.0	-44.24	4.25	3.00	8.26	-40.23	-13.00	-27.23	H
1420.0	-34.61	4.78	3.00	8.91	-30.48	-13.00	-17.48	V
2130.0	-37.51	4.25	3.00	8.26	-33.50	-13.00	-20.50	V

LTE FDD Band 17_Channel Bandwidth 10MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1422.0	-38.69	4.78	3.00	8.91	-34.56	-13.00	-21.56	H
2133.0	-44.61	4.25	3.00	8.26	-40.60	-13.00	-27.60	H
1422.0	-34.33	4.78	3.00	8.91	-30.20	-13.00	-17.20	V
2133.0	-36.86	4.25	3.00	8.26	-32.85	-13.00	-19.85	V

LTE FDD Band 25_Channel Bandwidth 20MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3715.0	-41.74	5.26	3.00	9.88	-37.12	-13.00	-24.12	H
5572.5	-51.36	6.11	3.00	11.36	-46.11	-13.00	-33.11	H
3715.0	-41.89	5.26	3.00	9.88	-37.27	-13.00	-24.27	V
5572.5	-51.47	6.11	3.00	11.36	-46.22	-13.00	-33.22	V

LTE FDD Band 25_Channel Bandwidth 20MHz_QPSK_ Middle Channel

Frequency (MHz)	PMea (dBm)	Pcl (dB)	Diatance	Ga Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.0	-42.42	5.32	3.00	10.03	-37.71	-13.00	-24.71	H
5647.5	-54.42	6.19	3.00	11.41	-49.20	-13.00	-36.20	H
3765.0	-42.33	5.32	3.00	10.03	-37.62	-13.00	-24.62	V
5647.5	-51.25	6.19	3.00	11.41	-46.03	-13.00	-33.03	V

LTE FDD Band 25_Channel Bandwidth 20MHz_QPSK_ High Channel

Frequency (MHz)	PMea (dBm)	Pcl (dB)	Diatance	Ga Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3810.0	-44.19	5.36	3.00	9.62	-39.93	-13.00	-26.93	H
5715.0	-51.16	6.24	3.00	11.46	-45.94	-13.00	-32.94	H
3810.0	-44.67	5.36	3.00	9.62	-40.41	-13.00	-27.41	V
5715.0	-47.84	6.24	3.00	11.46	-42.62	-13.00	-29.62	V

LTE FDD Band 25_Channel Bandwidth 20MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3715.0	-40.96	5.26	3.00	9.88	-36.34	-13.00	-23.34	H
5572.5	-46.38	6.11	3.00	11.36	-41.13	-13.00	-28.13	H
3715.0	-42.24	5.26	3.00	9.88	-37.62	-13.00	-24.62	V
5572.5	-50.33	6.11	3.00	11.36	-45.08	-13.00	-32.08	V

LTE FDD Band 25_Channel Bandwidth 20MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.0	-44.93	5.32	3.00	10.03	-40.22	-13.00	-27.22	H
5647.5	-55.37	6.19	3.00	11.41	-50.15	-13.00	-37.15	H
3765.0	-40.86	5.32	3.00	10.03	-36.15	-13.00	-23.15	V
5647.5	-52.34	6.19	3.00	11.41	-47.12	-13.00	-34.12	V

LTE FDD Band 25_Channel Bandwidth 20MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3810.0	-40.28	5.36	3.00	9.62	-36.02	-13.00	-23.02	H
5715.0	-50.07	6.24	3.00	11.46	-44.85	-13.00	-31.85	H
3810.0	-40.03	5.36	3.00	9.62	-35.77	-13.00	-22.77	V
5715.0	-51.12	6.24	3.00	11.46	-45.90	-13.00	-32.90	V

LTE FDD Band 26: 814-824MHz

LTE FDD Band 26_Channel Bandwidth 10MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1638.0	-38.14	3.86	3.00	8.56	-33.44	-13.00	-20.44	H
2457.0	-44.49	4.29	3.00	6.98	-41.80	-13.00	-28.80	H
1638.0	-35.08	3.86	3.00	8.56	-30.38	-13.00	-17.38	V
2457.0	-37.70	4.29	3.00	6.98	-35.01	-13.00	-22.01	V

LTE FDD Band 26_Channel Bandwidth 10MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1638.0	-38.44	3.90	3.00	8.58	-33.76	-13.00	-20.76	H
2457.0	-45.32	4.32	3.00	6.80	-42.84	-13.00	-29.84	H
1638.0	-36.11	3.90	3.00	8.58	-31.43	-13.00	-18.43	V
2457.0	-37.03	4.32	3.00	6.80	-34.55	-13.00	-21.55	V

LTE FDD Band 26: 824-849MHz

LTE FDD Band 26_Channel Bandwidth 15MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1663.0	-39.56	3.86	3.00	8.56	-34.86	-13.00	-21.86	H
2494.5	-47.10	4.29	3.00	6.98	-44.41	-13.00	-31.41	H
1663.0	-33.20	3.86	3.00	8.56	-28.50	-13.00	-15.50	V
2494.5	-38.07	4.29	3.00	6.98	-35.38	-13.00	-22.38	V

LTE FDD Band 26_Channel Bandwidth 15MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.0	-39.13	3.90	3.00	8.58	-34.45	-13.00	-21.45	H
2509.5	-47.85	4.32	3.00	6.80	-45.37	-13.00	-32.37	H
1673.0	-33.84	3.90	3.00	8.58	-29.16	-13.00	-16.16	V
2509.5	-37.82	4.32	3.00	6.80	-35.34	-13.00	-22.34	V

LTE FDD Band 26_Channel Bandwidth 15MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1683.0	-39.96	3.91	3.00	9.06	-34.81	-13.00	-21.81	H
2524.5	-47.26	4.32	3.00	6.65	-44.93	-13.00	-31.93	H
1683.0	-35.03	3.91	3.00	9.06	-29.88	-13.00	-16.88	V
2524.5	-39.15	4.32	3.00	6.65	-36.82	-13.00	-23.82	V

LTE FDD Band 26_Channel Bandwidth 15MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1663.0	-41.62	3.86	3.00	8.56	-36.92	-13.00	-23.92	H
2494.5	-46.80	4.29	3.00	6.98	-44.11	-13.00	-31.11	H
1663.0	-36.47	3.86	3.00	8.56	-31.77	-13.00	-18.77	V
2494.5	-38.11	4.29	3.00	6.98	-35.42	-13.00	-22.42	V

LTE FDD Band 26_Channel Bandwidth 15MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.0	-38.61	3.90	3.00	8.58	-33.93	-13.00	-20.93	H
2509.5	-47.04	4.32	3.00	6.80	-44.56	-13.00	-31.56	H
1673.0	-36.13	3.90	3.00	8.58	-31.45	-13.00	-18.45	V
2509.5	-37.33	4.32	3.00	6.80	-34.85	-13.00	-21.85	V

LTE FDD Band 26_Channel Bandwidth 15MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1683.0	-38.55	3.91	3.00	9.06	-33.40	-13.00	-20.40	H
2524.5	-45.31	4.32	3.00	6.65	-42.98	-13.00	-29.98	H
1683.0	-36.42	3.91	3.00	9.06	-31.27	-13.00	-18.27	V
2524.5	-38.31	4.32	3.00	6.65	-35.98	-13.00	-22.98	V

LTE TDD Band 38_Channel Bandwidth 20MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5160.0	-39.94	7.10	3.00	9.78	-37.26	-25.00	-12.26	H
7740.0	-46.71	8.32	3.00	10.86	-44.17	-25.00	-19.17	H
5160.0	-39.78	7.10	3.00	9.78	-37.10	-25.00	-12.10	V
7740.0	-42.12	8.32	3.00	10.86	-39.58	-25.00	-14.58	V

LTE TDD Band 38_Channel Bandwidth 20MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5190.0	-40.76	7.18	3.00	9.88	-38.06	-25.00	-13.06	H
7785.0	-45.28	8.44	3.00	11.38	-42.34	-25.00	-17.34	H
5190.0	-44.98	7.18	3.00	9.88	-42.28	-25.00	-17.28	V
7785.0	-42.89	8.44	3.00	11.38	-39.95	-25.00	-14.95	V

LTE TDD Band 38_Channel Bandwidth 20MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5220.0	-40.68	7.15	3.00	9.25	-38.58	-25.00	-13.58	H

7830.0	-44.67	8.36	3.00	11.43	-41.60	-25.00	-16.60	H
5220.0	-44.64	7.15	3.00	9.25	-42.54	-25.00	-17.54	V
7830.0	-38.91	8.36	3.00	11.43	-35.84	-25.00	-10.84	V

LTE TDD Band 38_Channel Bandwidth 20MHz_16QAM_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5160.0	-39.93	7.10	3.00	9.78	-37.25	-25.00	-12.25	H
7740.0	-44.99	8.32	3.00	10.86	-42.45	-25.00	-17.45	H
5160.0	-42.76	7.10	3.00	9.78	-40.08	-25.00	-15.08	V
7740.0	-39.27	8.32	3.00	10.86	-36.73	-25.00	-11.73	V

LTE TDD Band 38_Channel Bandwidth 20MHz_16QAM_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5190.0	-41.67	7.18	3.00	9.88	-38.97	-25.00	-13.97	H
7785.0	-45.31	8.44	3.00	11.38	-42.37	-25.00	-17.37	H
5190.0	-45.14	7.18	3.00	9.88	-42.44	-25.00	-17.44	V
7785.0	-41.37	8.44	3.00	11.38	-38.43	-25.00	-13.43	V

LTE TDD Band 38_Channel Bandwidth 20MHz_16QAM_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5220.0	-39.06	7.15	3.00	9.25	-36.96	-25.00	-11.96	H
7830.0	-45.67	8.36	3.00	11.43	-42.60	-25.00	-17.60	H
5220.0	-46.97	7.15	3.00	9.25	-44.87	-25.00	-19.87	V
7830.0	-40.45	8.36	3.00	11.43	-37.38	-25.00	-12.38	V

LTE TDD Band 41_Channel Bandwidth 20MHz_QPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5012.0	-39.81	7.15	3.00	9.88	-37.08	-25.00	-12.08	H
7518.0	-45.36	8.36	3.00	11.36	-42.36	-25.00	-17.36	H
5012.0	-39.52	7.15	3.00	9.88	-36.79	-25.00	-11.79	V
7518.0	-40.29	8.36	3.00	11.36	-37.29	-25.00	-12.29	V

LTE TDD Band 41_Channel Bandwidth 20MHz_QPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5186.0	-38.02	7.26	3.00	10.03	-35.25	-25.00	-10.25	H
7779.0	-45.25	8.48	3.00	11.41	-42.32	-25.00	-17.32	H
5186.0	-43.73	7.26	3.00	10.03	-40.96	-25.00	-15.96	V
7779.0	-44.21	8.48	3.00	11.41	-41.28	-25.00	-16.28	V

LTE TDD Band 41_Channel Bandwidth 20MHz_QPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5360.0	-41.87	7.17	3.00	9.62	-39.42	-25.00	-14.42	H
8040.0	-46.32	8.39	3.00	11.46	-43.25	-25.00	-18.25	H
5360.0	-41.96	7.17	3.00	9.62	-39.51	-25.00	-14.51	V
8040.0	-39.00	8.39	3.00	11.46	-35.93	-25.00	-10.93	V

LTE TDD Band 41_Channel Bandwidth 20MHz_16QAM_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5012.0	-40.24	7.15	3.00	9.88	-37.51	-25.00	-12.51	H
7518.0	-46.53	8.36	3.00	11.36	-43.53	-25.00	-18.53	H
5012.0	-44.89	7.15	3.00	9.88	-42.16	-25.00	-17.16	V
7518.0	-39.39	8.36	3.00	11.36	-36.39	-25.00	-11.39	V

LTE TDD Band 41_Channel Bandwidth 20MHz_16QAM_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5186.0	-41.40	7.26	3.00	10.03	-38.63	-25.00	-13.63	H
7779.0	-46.54	8.48	3.00	11.41	-43.61	-25.00	-18.61	H
5186.0	-45.67	7.26	3.00	10.03	-42.90	-25.00	-17.90	V
7779.0	-42.30	8.48	3.00	11.41	-39.37	-25.00	-14.37	V

LTE TDD Band 41_Channel Bandwidth 20MHz_16QAM_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5360.0	-41.96	7.17	3.00	9.62	-39.51	-25.00	-14.51	H
8040.0	-46.02	8.39	3.00	11.46	-42.95	-25.00	-17.95	H
5360.0	-44.96	7.17	3.00	9.62	-42.51	-25.00	-17.51	V
8040.0	-43.67	8.39	3.00	11.46	-40.60	-25.00	-15.60	V

LTE FDD Band 66_Channel Bandwidth 20MHz_QPSK _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3440.0	-40.94	4.92	3.00	10.45	-35.41	-13.00	-22.41	H
5160.0	-45.63	5.78	3.00	12.32	-39.09	-13.00	-26.09	H
3440.0	-35.48	4.92	3.00	10.45	-29.95	-13.00	-16.95	V
5160.0	-38.25	5.78	3.00	12.32	-31.71	-13.00	-18.71	V

LTE FDD Band 66_Channel Bandwidth 20MHz_QPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3490.0	-43.29	4.99	3.00	11.12	-37.16	-13.00	-24.16	H
5235.0	-47.23	5.85	3.00	12.02	-41.06	-13.00	-28.06	H
3490.0	-36.17	4.99	3.00	11.12	-30.04	-13.00	-17.04	V
5235.0	-39.25	5.85	3.00	12.02	-33.08	-13.00	-20.08	V

LTE FDD Band 66_Channel Bandwidth 20MHz_QPSK _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3540.0	-40.25	5.12	3.00	9.98	-35.39	-13.00	-22.39	H
5310.0	-46.93	5.93	3.00	11.66	-41.20	-13.00	-28.20	H
3540.0	-35.91	5.12	3.00	9.98	-31.05	-13.00	-18.05	V
5310.0	-40.04	5.93	3.00	11.66	-34.31	-13.00	-21.31	V

LTE FDD Band 66_Channel Bandwidth 20MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization

3440.0	-42.83	4.92	3.00	10.45	-37.30	-13.00	-24.30	H
5160.0	-48.41	5.78	3.00	12.32	-41.87	-13.00	-28.87	H
3440.0	-36.81	4.92	3.00	10.45	-31.28	-13.00	-18.28	V
5160.0	-39.06	5.78	3.00	12.32	-32.52	-13.00	-19.52	V

LTE FDD Band 66_Channel Bandwidth 20MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3490.0	-41.34	4.99	3.00	11.12	-35.21	-13.00	-22.21	H
5235.0	-45.13	5.85	3.00	12.02	-38.96	-13.00	-25.96	H
3490.0	-34.34	4.99	3.00	11.12	-28.21	-13.00	-15.21	V
5235.0	-41.56	5.85	3.00	12.02	-35.39	-13.00	-22.39	V

LTE FDD Band 66_Channel Bandwidth 20MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3540.0	-42.78	5.12	3.00	9.98	-37.92	-13.00	-24.92	H
5310.0	-48.19	5.93	3.00	11.66	-42.46	-13.00	-29.46	H
3540.0	-34.38	5.12	3.00	9.98	-29.52	-13.00	-16.52	V
5310.0	-41.99	5.93	3.00	11.66	-36.26	-13.00	-23.26	V

LTE FDD Band 71_Channel Bandwidth 20MHz_QPSK _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1346.0	-38.53	4.73	3.00	10.42	-32.84	-13.00	-19.84	H
2019.0	-47.91	5.64	3.00	12.30	-41.25	-13.00	-28.25	H
1346.0	-35.86	4.73	3.00	10.42	-30.17	-13.00	-17.17	V
2019.0	-38.33	5.64	3.00	12.30	-31.67	-13.00	-18.67	V

LTE FDD Band 71_Channel Bandwidth 20MHz_QPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1361.0	-41.54	4.73	3.00	10.42	-35.85	-13.00	-22.85	H
2041.5	-44.99	5.64	3.00	12.30	-38.33	-13.00	-25.33	H
1361.0	-36.39	4.73	3.00	10.42	-30.70	-13.00	-17.70	V
2041.5	-38.81	5.64	3.00	12.30	-32.15	-13.00	-19.15	V

LTE FDD Band 71_Channel Bandwidth 20MHz_QPSK _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1376.0	-39.91	4.75	3.00	10.44	-34.22	-13.00	-21.22	H
2064.0	-47.29	5.66	3.00	12.33	-40.62	-13.00	-27.62	H
1376.0	-35.96	4.75	3.00	10.44	-30.27	-13.00	-17.27	V
2064.0	-37.85	5.66	3.00	12.33	-31.18	-13.00	-18.18	V

LTE FDD Band 71_Channel Bandwidth 20MHz_16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1346.0	-39.85	4.77	3.00	10.45	-34.17	-13.00	-21.17	H
2019.0	-45.51	5.69	3.00	12.36	-38.84	-13.00	-25.84	H
1346.0	-35.69	4.77	3.00	10.45	-30.01	-13.00	-17.01	V
2019.0	-39.37	5.69	3.00	12.36	-32.70	-13.00	-19.70	V

LTE FDD Band 71_Channel Bandwidth 20MHz_16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1361.0	-40.46	4.75	3.00	10.44	-34.77	-13.00	-21.77	H
2041.5	-44.47	5.66	3.00	12.33	-37.80	-13.00	-24.80	H
1361.0	-34.53	4.75	3.00	10.44	-28.84	-13.00	-15.84	V
2041.5	-37.91	5.66	3.00	12.33	-31.24	-13.00	-18.24	V

LTE FDD Band 71_Channel Bandwidth 20MHz_16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1376.0	-39.23	4.77	3.00	10.45	-33.55	-13.00	-20.55	H
2064.0	-46.85	5.69	3.00	12.36	-40.18	-13.00	-27.18	H
1376.0	-34.47	4.77	3.00	10.45	-28.79	-13.00	-15.79	V
2064.0	-37.33	5.69	3.00	12.36	-30.66	-13.00	-17.66	V

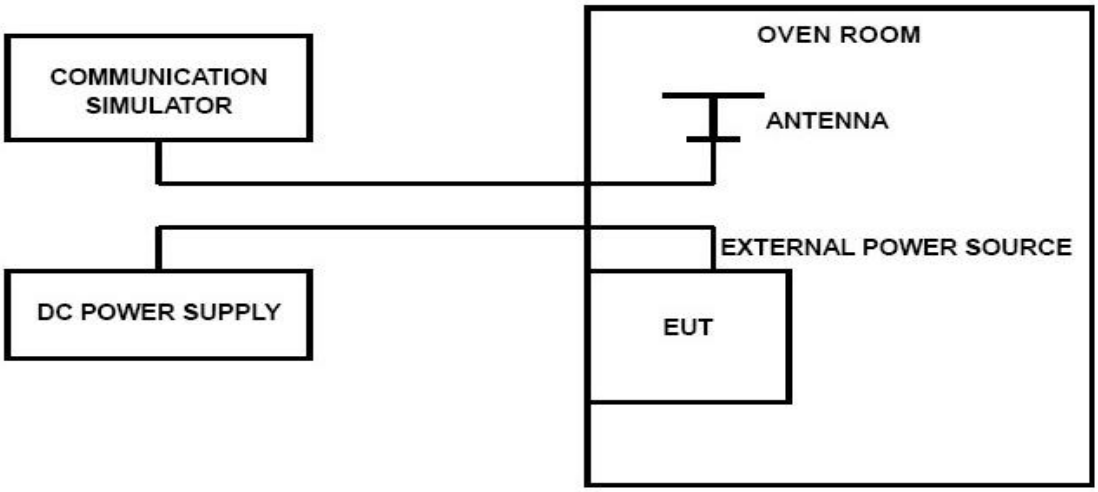
Notes：All channel bandwidth were tested,the report recorded the worst data.

4.7 Frequency Stability under Temperature & Voltage Variations

LIMIT

According to FCC §2.1055,§22.355, §24.235, §27.54 and§90.213 requirement, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation and should not exceed 2.5ppm.

TEST CONFIGURATION



TEST PROCEDURE

The EUT was setup according to TIA-603-E

Frequency Stability Under Temperature Variations:
In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a “call mode”. This is accomplished with the use of R&S CMW 500 DIGITAL RADIO COMMUNICATION TESTER.
1. Measure the carrier frequency at room temperature.
2. Subject the EUT to overnight soak at -30℃.
3. With the EUT, powered via nominal voltage, connected to the CMW 500 and in a simulated call on middle channel for LTE band 2, LTE band 4, LTE band 5, LTE band 7, LTE band 12, LTE band 13, LTE band 17, LTE band 25, LTE Band 26, LTE Band 38, LTE Band 41, LTE Band 66, LTE band 71,; measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
4. Repeat the above measurements at 10℃ increments from -30℃ to +50℃. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1.5 hours unpowered, to allow any self-heating to stabilize, before continuing.
6. Subject the EUT to overnight soak at +50℃.
7. With the EUT, powered via nominal voltage, connected to the CMW 500 and in a simulated call on the centre channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
8. Repeat the above measurements at 10 ℃ increments from +50℃ to -30℃. Allow at least 1.5 hours at each temperature, unpowered, before making measurements
9. At all temperature levels hold the temperature to +/- 0.5℃ during the measurement procedure.
Frequency Stability Under Voltage Variations:
Set chamber temperature to 20℃. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.
Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, record the maximum frequency change.

TEST RESULTS

Remark:
We were tested all RB Configuration refer 3GPP TS136 521 for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 7, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 17, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 38, LTE FDD Band 41, LTE FDD Band 66, LTE FDD Band 71 recorded worst case for each Channel Bandwidth of LTE FDD Band 2, LTE FDD Band 4, LTE FDD Band 5, LTE FDD Band 7, LTE FDD Band 12, LTE FDD Band 13, LTE FDD Band 17, LTE FDD Band 25, LTE FDD Band 26, LTE FDD Band 38, LTE FDD Band 41, LTE FDD Band 66, LTE FDD Band 71.

LTE Band 2, QPSK, 1.4MHz bandwidth (worst case of all bandwidths)

LTE FDD Band 2					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	-6	-0.0033	±2.50	PASS
VN	20	-11	-0.0059	±2.50	PASS
VH	20	22	0.0118	±2.50	PASS
VN	-30	14	0.0075	±2.50	PASS
VN	-20	-14	-0.0074	±2.50	PASS
VN	-10	7	0.0038	±2.50	PASS
VN	0	6	0.0030	±2.50	PASS
VN	10	18	0.0096	±2.50	PASS
VN	20	4	0.0022	±2.50	PASS
VN	30	23	0.0122	±2.50	PASS
VN	40	7	0.0037	±2.50	PASS
VN	50	0	-0.0001	±2.50	PASS

LTE Band 2, 16QAM, 1.4MHz bandwidth (worst case of all bandwidths)

LTE FDD Band 2					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	-4	-0.0020	±2.50	PASS
VN	20	3	0.0016	±2.50	PASS
VH	20	16	0.0088	±2.50	PASS
VN	-30	9	0.0047	±2.50	PASS
VN	-20	2	0.0010	±2.50	PASS
VN	-10	15	0.0082	±2.50	PASS
VN	0	7	0.0036	±2.50	PASS
VN	10	0	0.0000	±2.50	PASS
VN	20	1	0.0003	±2.50	PASS
VN	30	15	0.0078	±2.50	PASS
VN	40	2	0.0009	±2.50	PASS
VN	50	13	0.0071	±2.50	PASS

LTE Band 4, QPSK, 1.4MHz bandwidth (worst case of all bandwidths)

LTE FDD Band 4					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	-1	-0.0008	±2.50	PASS
VN	20	-10	-0.0055	±2.50	PASS
VH	20	-6	-0.0037	±2.50	PASS
VN	-30	-10	-0.0058	±2.50	PASS
VN	-20	9	0.0051	±2.50	PASS
VN	-10	-12	-0.0072	±2.50	PASS
VN	0	14	0.0082	±2.50	PASS
VN	10	-13	-0.0075	±2.50	PASS
VN	20	-8	-0.0048	±2.50	PASS
VN	30	-6	-0.0037	±2.50	PASS
VN	40	20	0.0113	±2.50	PASS
VN	50	7	0.0043	±2.50	PASS

LTE Band 4, 16QAM, 1.4MHz bandwidth (worst case of all bandwidths)

LTE FDD Band 4					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	7	0.0040	±2.50	PASS
VN	20	14	0.0082	±2.50	PASS
VH	20	25	0.0143	±2.50	PASS
VN	-30	-10	-0.0055	±2.50	PASS
VN	-20	22	0.0127	±2.50	PASS
VN	-10	-2	-0.0011	±2.50	PASS
VN	0	20	0.0114	±2.50	PASS
VN	10	9	0.0050	±2.50	PASS
VN	20	-6	-0.0035	±2.50	PASS
VN	30	-6	-0.0033	±2.50	PASS
VN	40	5	0.0031	±2.50	PASS
VN	50	24	0.0141	±2.50	PASS

LTE Band 5, QPSK, 1.4MHz bandwidth(worst case of all bandwidths)

LTE FDD Band 5					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	-11	-0.0135	±2.50	PASS
VN	20	14	0.0172	±2.50	PASS
VH	20	9	0.0104	±2.50	PASS
VN	-30	-3	-0.0033	±2.50	PASS
VN	-20	-13	-0.0158	±2.50	PASS
VN	-10	23	0.0280	±2.50	PASS
VN	0	19	0.0229	±2.50	PASS
VN	10	7	0.0090	±2.50	PASS
VN	20	15	0.0179	±2.50	PASS
VN	30	-3	-0.0032	±2.50	PASS
VN	40	-6	-0.0067	±2.50	PASS
VN	50	-6	-0.0069	±2.50	PASS

LTE Band 5, 16QAM, 1.4MHz bandwidth(worst case of all bandwidths)

LTE FDD Band 5					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	7	0.0083	±2.50	PASS
VN	20	-10	-0.0115	±2.50	PASS
VH	20	6	0.0075	±2.50	PASS
VN	-30	3	0.0030	±2.50	PASS
VN	-20	-1	-0.0013	±2.50	PASS
VN	-10	-5	-0.0064	±2.50	PASS
VN	0	19	0.0222	±2.50	PASS
VN	10	-11	-0.0132	±2.50	PASS
VN	20	-11	-0.0126	±2.50	PASS
VN	30	-1	-0.0013	±2.50	PASS
VN	40	-14	-0.0165	±2.50	PASS
VN	50	-14	-0.0169	±2.50	PASS

LTE Band 7, QPSK, 5MHz bandwidth (worst case of all bandwidths and modulation type)

LTE FDD Band 7					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
3.3	20	3	0.0012	±2.50	PASS
3.85	20	-12	-0.0048	±2.50	PASS
4.4	20	35	0.0138	±2.50	PASS
3.85	-30	4	0.0016	±2.50	PASS
3.85	-20	-6	-0.0025	±2.50	PASS
3.85	-10	8	0.0031	±2.50	PASS
3.85	0	19	0.0075	±2.50	PASS
3.85	10	0	0.0000	±2.50	PASS
3.85	20	27	0.0106	±2.50	PASS
3.85	30	-14	-0.0055	±2.50	PASS
3.85	40	0	-0.0002	±2.50	PASS
3.85	50	22	0.0088	±2.50	PASS

LTE Band 7, 16QAM, 5MHz bandwidth (worst case of all bandwidths and modulation type)

LTE FDD Band 7					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
3.3	20	27	0.0107	±2.50	PASS
3.85	20	-12	-0.0047	±2.50	PASS
4.4	20	34	0.0136	±2.50	PASS
3.85	-30	25	0.0101	±2.50	PASS
3.85	-20	33	0.0131	±2.50	PASS
3.85	-10	14	0.0054	±2.50	PASS
3.85	0	-2	-0.0007	±2.50	PASS
3.85	10	27	0.0105	±2.50	PASS
3.85	20	-1	-0.0004	±2.50	PASS
3.85	30	-8	-0.0030	±2.50	PASS
3.85	40	-1	-0.0004	±2.50	PASS
3.85	50	17	0.0069	±2.50	PASS

LTE Band 12, QPSK, 1.4MHz bandwidth (worst case of all bandwidths and modulation type)

LTE FDD Band 12					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	2	0.0031	±2.50	PASS
VN	20	6	0.0089	±2.50	PASS
VH	20	1	0.0015	±2.50	PASS
VN	-30	25	0.0357	±2.50	PASS
VN	-20	24	0.0339	±2.50	PASS
VN	-10	7	0.0104	±2.50	PASS
VN	0	10	0.0145	±2.50	PASS
VN	10	-11	-0.0152	±2.50	PASS
VN	20	34	0.0483	±2.50	PASS
VN	30	26	0.0363	±2.50	PASS
VN	40	-8	-0.0109	±2.50	PASS
VN	50	25	0.0359	±2.50	PASS

LTE Band 12, 16QAM, 1.4MHz bandwidth (worst case of all bandwidths and modulation type)

LTE FDD Band 12					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	28	0.0399	±2.50	PASS
VN	20	-13	-0.0188	±2.50	PASS
VH	20	-2	-0.0021	±2.50	PASS
VN	-30	31	0.0441	±2.50	PASS
VN	-20	5	0.0070	±2.50	PASS
VN	-10	11	0.0152	±2.50	PASS
VN	0	14	0.0202	±2.50	PASS
VN	10	-4	-0.0051	±2.50	PASS
VN	20	26	0.0371	±2.50	PASS
VN	30	26	0.0370	±2.50	PASS
VN	40	-14	-0.0204	±2.50	PASS
VN	50	-11	-0.0162	±2.50	PASS

LTE Band 13, 5MHz bandwidth, QPSK (worst case of all bandwidths)

LTE FDD Band 13					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	-3	-0.0034	2.50	PASS
VN	20	17	0.0213	2.50	PASS
VH	20	-6	-0.0080	2.50	PASS
VN	-30	-2	-0.0021	2.50	PASS
VN	-20	-8	-0.0102	2.50	PASS
VN	-10	2	0.0030	2.50	PASS
VN	0	21	0.0264	2.50	PASS
VN	10	0	0.0006	2.50	PASS
VN	20	-6	-0.0079	2.50	PASS
VN	30	11	0.0141	2.50	PASS
VN	40	11	0.0143	2.50	PASS
VN	50	-7	-0.0086	2.50	PASS

LTE Band 13, 5MHz bandwidth, 16QAM (worst case of all bandwidths)

LTE FDD Band 13					
DC Power	*Temperature (℃)*	*Frequency error(Hz)*	*Frequency error(ppm)*	*Limit (ppm)*	*Verdict*
VL	20	-7	-0.0088	2.50	PASS
VN	20	-13	-0.0169	2.50	PASS
VH	20	-10	-0.0128	2.50	PASS
VN	-30	-14	-0.0184	2.50	PASS
VN	-20	8	0.0105	2.50	PASS
VN	-10	-15	-0.0188	2.50	PASS
VN	0	1	0.0008	2.50	PASS
VN	10	13	0.0168	2.50	PASS
VN	20	-6	-0.0073	2.50	PASS
VN	30	-10	-0.0124	2.50	PASS
VN	40	17	0.0215	2.50	PASS
VN	50	0	0.0006	2.50	PASS

LTE Band 17, QPSK, 5MHz bandwidth (worst case of all bandwidths and modulation type)

LTE FDD Band 17					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
3.3	20	1	0.0007	±2.50	PASS
3.85	20	-10	-0.0141	±2.50	PASS
4.4	20	-2	-0.0027	±2.50	PASS
3.85	-30	-1	-0.0014	±2.50	PASS
3.85	-20	5	0.0071	±2.50	PASS
3.85	-10	6	0.0089	±2.50	PASS
3.85	0	27	0.0387	±2.50	PASS
3.85	10	30	0.0416	±2.50	PASS
3.85	20	13	0.0178	±2.50	PASS
3.85	30	21	0.0291	±2.50	PASS
3.85	40	34	0.0479	±2.50	PASS
3.85	50	23	0.0328	±2.50	PASS

LTE Band 17, 16QAM, 5MHz bandwidth (worst case of all bandwidths and modulation type)

LTE FDD Band 17					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
3.3	20	19	0.0268	±2.50	PASS
3.85	20	-2	-0.0024	±2.50	PASS
4.4	20	28	0.0392	±2.50	PASS
3.85	-30	7	0.0106	±2.50	PASS
3.85	-20	32	0.0446	±2.50	PASS
3.85	-10	31	0.0441	±2.50	PASS
3.85	0	30	0.0421	±2.50	PASS
3.85	10	7	0.0095	±2.50	PASS
3.85	20	22	0.0313	±2.50	PASS
3.85	30	12	0.0167	±2.50	PASS
3.85	40	17	0.0239	±2.50	PASS
3.85	50	24	0.0342	±2.50	PASS

LTE Band 25, 1.4MHz bandwidth, QPSK (worst case of all bandwidths)

LTE FDD Band 25					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	12	0.006	2.50	PASS
VN	20	75	0.040	2.50	PASS
VH	20	60	0.032	2.50	PASS
VN	-30	66	0.035	2.50	PASS
VN	-20	50	0.027	2.50	PASS
VN	-10	51	0.027	2.50	PASS
VN	0	61	0.032	2.50	PASS
VN	10	27	0.014	2.50	PASS
VN	20	67	0.036	2.50	PASS
VN	30	87	0.046	2.50	PASS
VN	40	63	0.033	2.50	PASS
VN	50	54	0.029	2.50	PASS

LTE Band 25, 1.4MHz bandwidth, 16QAM (worst case of all bandwidths)

LTE FDD Band 25					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	32	0.017	2.50	PASS
VN	20	79	0.042	2.50	PASS
VH	20	24	0.013	2.50	PASS
VN	-30	45	0.024	2.50	PASS
VN	-20	73	0.039	2.50	PASS
VN	-10	29	0.015	2.50	PASS
VN	0	15	0.008	2.50	PASS
VN	10	66	0.035	2.50	PASS
VN	20	12	0.006	2.50	PASS
VN	30	66	0.035	2.50	PASS
VN	40	53	0.028	2.50	PASS
VN	50	47	0.025	2.50	PASS

LTE Band 26, 1.4MHz bandwidth, QPSK (worst case of all bandwidths)

LTE FDD Band 26					
DC Power	*Temperature (℃)*	*Frequency error(Hz)*	*Frequency error(ppm)*	*Limit (ppm)*	*Verdict*
VL	20	83	0.101	2.50	PASS
VN	20	71	0.087	2.50	PASS
VH	20	88	0.107	2.50	PASS
VN	-30	69	0.084	2.50	PASS
VN	-20	99	0.121	2.50	PASS
VN	-10	82	0.100	2.50	PASS
VN	0	33	0.040	2.50	PASS
VN	10	79	0.096	2.50	PASS
VN	20	60	0.073	2.50	PASS
VN	30	58	0.071	2.50	PASS
VN	40	11	0.013	2.50	PASS
VN	50	63	0.077	2.50	PASS

LTE Band 26, 1.4MHz bandwidth, 16QAM (worst case of all bandwidths)

LTE FDD Band 26					
DC Power	*Temperature (℃)*	*Frequency error(Hz)*	*Frequency error(ppm)*	*Limit (ppm)*	*Verdict*
VL	20	75	0.092	2.50	PASS
VN	20	87	0.106	2.50	PASS
VH	20	9	0.011	2.50	PASS
VN	-30	25	0.031	2.50	PASS
VN	-20	60	0.073	2.50	PASS
VN	-10	28	0.034	2.50	PASS
VN	0	24	0.029	2.50	PASS
VN	10	85	0.104	2.50	PASS
VN	20	60	0.073	2.50	PASS
VN	30	6	0.007	2.50	PASS
VN	40	42	0.051	2.50	PASS
VN	50	44	0.054	2.50	PASS

LTE Band 38, 5MHz bandwidth, QPSK (worst case of all bandwidths)

LTE TDD Band 38					
DC Power	**Temperature (℃)**	**Frequency error(Hz)**	**Frequency error(ppm)**	**Limit (ppm)**	**Verdict**
3.3	20	6	0.002	2.50	PASS
3.85	20	44	0.017	2.50	PASS
4.4	20	51	0.020	2.50	PASS
3.85	-30	68	0.026	2.50	PASS
3.85	-20	61	0.024	2.50	PASS
3.85	-10	55	0.021	2.50	PASS
3.85	0	11	0.004	2.50	PASS
3.85	10	4	0.002	2.50	PASS
3.85	20	30	0.012	2.50	PASS
3.85	30	10	0.004	2.50	PASS
3.85	40	23	0.009	2.50	PASS
3.85	50	66	0.025	2.50	PASS

LTE Band 38, 5MHz bandwidth, 16QAM (worst case of all bandwidths)

LTE TDD Band 38					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
3.3	20	38	0.015	2.50	PASS
3.85	20	69	0.027	2.50	PASS
4.4	20	70	0.027	2.50	PASS
3.85	-30	10	0.004	2.50	PASS
3.85	-20	66	0.025	2.50	PASS
3.85	-10	89	0.034	2.50	PASS
3.85	0	46	0.018	2.50	PASS
3.85	10	86	0.033	2.50	PASS
3.85	20	16	0.006	2.50	PASS
3.85	30	84	0.032	2.50	PASS
3.85	40	72	0.028	2.50	PASS
3.85	50	99	0.038	2.50	PASS

LTE Band 41, 5MHz bandwidth, QPSK (worst case of all bandwidths)

LTE TDD Band 41					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	71	0.034	2.50	PASS
VN	20	94	0.045	2.50	PASS
VH	20	41	0.020	2.50	PASS
VN	-30	86	0.041	2.50	PASS
VN	-20	31	0.015	2.50	PASS
VN	-10	56	0.027	2.50	PASS
VN	0	77	0.037	2.50	PASS
VN	10	14	0.007	2.50	PASS
VN	20	42	0.020	2.50	PASS
VN	30	7	0.003	2.50	PASS
VN	40	54	0.026	2.50	PASS
VN	50	88	0.042	2.50	PASS

LTE Band 41, 5MHz bandwidth, 16QAM (worst case of all bandwidths)

LTE TDD Band 41					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	36	0.017	2.50	PASS
VN	20	95	0.045	2.50	PASS
VH	20	85	0.041	2.50	PASS
VN	-30	71	0.034	2.50	PASS
VN	-20	47	0.022	2.50	PASS
VN	-10	48	0.023	2.50	PASS
VN	0	62	0.030	2.50	PASS
VN	10	70	0.033	2.50	PASS
VN	20	53	0.025	2.50	PASS
VN	30	30	0.014	2.50	PASS
VN	40	41	0.020	2.50	PASS
VN	50	35	0.017	2.50	PASS

LTE Band 66, 1.4MHz bandwidth, QPSK (worst case of all bandwidths)

LTE FDD Band 66					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	30	0.0169	2.50	PASS
VN	20	22	0.0127	2.50	PASS
VH	20	34	0.0192	2.50	PASS
VN	-30	26	0.0147	2.50	PASS
VN	-20	20	0.0117	2.50	PASS
VN	-10	23	0.0130	2.50	PASS
VN	0	34	0.0197	2.50	PASS
VN	10	30	0.0172	2.50	PASS
VN	20	-12	-0.0067	2.50	PASS
VN	30	17	0.0098	2.50	PASS
VN	40	13	0.0072	2.50	PASS
VN	50	-8	-0.0045	2.50	PASS

LTE Band 66, 1.4MHz bandwidth, 16QAM (worst case of all bandwidths)

LTE FDD Band 66					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	10	0.0056	2.50	PASS
VN	20	26	0.0150	2.50	PASS
VH	20	35	0.0198	2.50	PASS
VN	-30	8	0.0048	2.50	PASS
VN	-20	-2	-0.0013	2.50	PASS
VN	-10	-14	-0.0082	2.50	PASS
VN	0	11	0.0065	2.50	PASS
VN	10	-9	-0.0053	2.50	PASS
VN	20	3	0.0015	2.50	PASS
VN	30	1	0.0003	2.50	PASS
VN	40	12	0.0067	2.50	PASS
VN	50	4	0.0023	2.50	PASS

LTE Band 71, 5MHz bandwidth, QPSK (worst case of all bandwidths)

LTE FDD Band 71					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	4	0.0058	2.50	PASS
VN	20	30	0.0455	2.50	PASS
VH	20	21	0.0319	2.50	PASS
VN	-30	32	0.0479	2.50	PASS
VN	-20	-9	-0.0142	2.50	PASS
VN	-10	5	0.0069	2.50	PASS
VN	0	2	0.0032	2.50	PASS
VN	10	3	0.0051	2.50	PASS
VN	20	-9	-0.0138	2.50	PASS
VN	30	-2	-0.0032	2.50	PASS
VN	40	18	0.0267	2.50	PASS
VN	50	-10	-0.0158	2.50	PASS

LTE Band 71, 5MHz bandwidth, 16QAM (worst case of all bandwidths)

LTE FDD Band 71					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	-8	-0.0120	2.50	PASS
VN	20	21	0.0309	2.50	PASS
VH	20	-2	-0.0031	2.50	PASS
VN	-30	5	0.0078	2.50	PASS
VN	-20	0	0.0002	2.50	PASS
VN	-10	1	0.0016	2.50	PASS
VN	0	-8	-0.0126	2.50	PASS
VN	10	15	0.0232	2.50	PASS
VN	20	5	0.0082	2.50	PASS
VN	30	-7	-0.0105	2.50	PASS
VN	40	27	0.0410	2.50	PASS
VN	50	-1	-0.0010	2.50	PASS

5 Test Setup Photos of the EUT

Pleaserefer to separated files for Test Setup Photos of the EUT.

6 External Photos of the EUT

Pleaserefer to separated files for External Photos of the EUT.

7 Internal Photos of the EUT

Pleaserefer to separated files for Internal Photos of the EUT.

----------THE END OF REPORT----------

FCC TEST REPORT

FOR

Lunar Industries inc.

Smart Phone

Test Model: BraX3

Prepared for	:	Lunar Industries inc.
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel	:	(+86)755-82591330
Fax	:	(+86)755-82591332
Web	:	www.LCS-cert.com
Mail	:	webmaster@LCS-cert.com
Date of receipt of test sample	:	February 26, 2025
Number of tested samples	:	2
Sample No.	:	A250303080-1, A250303080-2
Serial number	:	Prototype
Date of Test	:	February 26, 2025 ~ March 25, 2025
Date of Report	:	March 26, 2025

FCC PART 22/24/27/90 TEST REPORT

FCC Part 22H/Part 24E/Part 27/Part 90

Report Reference No. ..... :	**LCSA11204234EL**
FCC ID. ..... :	**2BN26-BRAX3**
Date of Issue..... :	**March 26, 2025**
Testing Laboratory Name ..... :	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address ..... :	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Applicant's name ..... :	**Lunar Industries inc.**
Address ..... :	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Test specification..... **:**	
Standard ..... :	**FCC CFR Title 47 Part 2, Part 22H,Part 24E,Part 27, Part 90** **TIA-603-E: 2016** **KDB971168 D01 Power Meas License Digital Systems v03r01**
Test Report Form No ..... :	LCSEMC-1.0
TRF Originator ..... :	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF ..... :	Dated 2011-03

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Test item description..... :	**Smart Phone**
Trade Mark..... :	Brax
Test Model ..... :	BraX3
Rating..... :	Please Refer to Page 7
Result..... :	Positive

Compiled by:	**Supervised by:**	**Approved by:**
Jack Liu/ Administrator	Cary Luo/ Technique principal	Gavin Liang/ Manager

TEST REPORT

Test Report No. : LCSA11204234EL	March 26, 2025 Date of issue

Test Model.....	:	BraX3
EUT.....	:	Smart Phone
Applicant.....	**:**	**Lunar Industries inc.**
Address.....	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	:	/
Fax.....	:	/
Manufacturer.....	**:**	**Lunar Industries inc.**
Address.....	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	:	/
Fax.....	:	/
Factory.....	**:**	**Sichuan koobee communication equipment Co., Ltd.**
Address.....	:	Building 2, No.69, West of gangyuan Road, Lingang economic and technological development zone, Yibin City, Sichuan Province, P.R.China
Telephone.....	:	/
Fax.....	:	/

Test Result:	**PASS**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revison History

Report Version	Issue Date	Revision Content	Revised By
000	March 26, 2025	Initial Issue	---

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1 TEST STANDARDS

The tests were performed according to following standards:
FCC Part 22H: Cellular Radiotelephone Service
FCC Part 24E: Broadband PCS
FCC Part 27: MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES
FCC Part 90: PRIVATE LAND MOBILE RADIO SERVICES
TIA-603-E March 2016: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.
47 CFR FCC Part 15 Subpart B: Unintentional Radiators
FCC Part 2: FREQUENCY ALLOCA-TIONS AND RADIO TREATY MAT-TERS; GENERAL RULES AND REG-ULATIONS
ANSI C63.4:2014: Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
FCC KDB971168 D01 Power Meas License Digital Systems v03r01

2 SUMMARY

2.1 Product Description

The **Lunar Industries inc.**'s Model: BraX3 or the "EUT" as referred to in this report; more general information as follows, for more details, refer to the user's manual of the EUT.

EUT	:	Smart Phone
Test Model	:	BraX3
Ratings	:	Input:5V⎓2A DC 3.87V by Rechargeable Li-ion Battery, 4900mAh
Hardware Version	:	KE115S_01
Software Version	:	V600.BX3.25032025.16.19.AD
Bluetooth	:	
Frequency Range	:	2402MHz~2480MHz
Channel Number	:	79 channels for Bluetooth V5.2 (DSS) 40 channels for Bluetooth V5.2 (DTS)
Channel Spacing	:	1MHz for Bluetooth V5.2 (DSS) 2MHz for Bluetooth V5.2 (DTS)
Modulation Type	:	GFSK, π/4-DQPSK, 8-DPSK for Bluetooth V5.2 (DSS) GFSK for Bluetooth V5.2 (DTS)
Bluetooth Version	:	V5.2
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(2.4G Band)	:	
Frequency Range	:	2412MHz~2462MHz
Channel Spacing	:	5MHz
Channel Number	:	11 Channels for 20MHz bandwidth (2412~2462MHz) 7 Channels for 40MHz bandwidth (2422~2452MHz)
Modulation Type	:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(5.2G Band)	:	
Frequency Range	:	5180MHz~5240MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5180MHz~5240MHz) 2 channels for 40MHz bandwidth(5190MHz~5230MHz) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.3G Band)		
Frequency Range	:	5260MHz~5320MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5260MHz~5320MHz) 2 channels for 40MHz bandwidth(5270MHz~5310MHz) 1 channels for 80MHz bandwidth(5290MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.5G Band)	:	
Frequency Range	:	5500MHz~5700MHz
Channel Number	:	11 Channels for 20MHz bandwidth(5500MHz~5700MHz)

		5 Channels for 40MHz bandwidth(5510MHz~5670MHz) 2 Channels for 80MHz bandwidth(5530MHz, 5610MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.8G Band)	:	
Frequency Range	:	5745MHz~5825MHz
Channel Number	:	5 channels for 20MHz bandwidth(5745MHz~5825MHz) 2 channels for 40MHz bandwidth(5755MHz~5795MHz) 1 channels for 80MHz bandwidth(5775MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5),0.65dBi(Max.)
2G	:	
Support Band	:	☒GSM 900 (EU-Band) ☒DCS 1800 (EU-Band) ☒GSM 850 (U.S.-Band) ☒PCS 1900 (U.S.-Band)
Release Version	:	R9
GPRS Class	:	Class 12
EGPRS Class	:	Class 12
Type Of Modulation	:	GMSK for GSM/GPRS; GMSK/8PSK for EGPRS
Antenna Description	:	GSM 850: -3.2 dBi(ANT0), -6.0 dBi(ANT3) PCS 1900: -0.8 dBi(ANT3), -2.0 dBi(ANT0)
3G	:	
Support Band	:	☒WCDMA Band I (EU-Band) ☒WCDMA Band II (U.S.-Band) ☒WCDMA Band IV (U.S.-Band) ☒WCDMA Band V (U.S.-Band) ☒WCDMA Band VIII (EU-Band)
Release Version	:	R9
Type Of Modulation	:	QPSK,16QAM
Antenna Description	:	PIFA Antenna WCDMA Band II -0.8 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band IV -1.45 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band V -3.2 dBi(ANT0), -6.0 dBi(ANT3)
LTE	:	
Support Band	:	☒E-UTRA Band 1(EU-Band) ☒E-UTRA Band 2(U.S.-Band) ☒E-UTRA Band 3(EU-Band) ☒E-UTRA Band 4(U.S.-Band) ☒E-UTRA Band 5(U.S.-Band) ☒E-UTRA Band 7(U.S.-Band) ☒E-UTRA Band 8(EU-Band) ☒E-UTRA Band 12(U.S.-Band) ☒E-UTRA Band 13(U.S.-Band) ☒E-UTRA Band 17(U.S.-Band) ☒E-UTRA Band 25(U.S.-Band) ☒E-UTRA Band 26(U.S.-Band) ☒E-UTRA Band 28(EU-Band) ☒E-UTRA Band 38(U.S.-Band) ☒E-UTRA Band 40(EU-Band)

		☒E-UTRA Band 41(U.S.-Band) ☒E-UTRA Band 42(EU-Band) ☒E-UTRA Band 66(U.S.-Band) ☒E-UTRA Band 71(U.S.-Band)
LTE Release Version	:	R15
Type Of Modulation	:	QPSK/16QAM
Antenna Description	:	PIFA Antenna For E-UTRA Band 2 -0.8 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 4 -1.45 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 5 -3.2 dBi(ANT0),-1.8 dBi(ANT3) For E-UTRA Band 7 -0.6 dBi(ANT3),-1.8 dBi(ANT0), -1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 12 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 13 -3.0 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 17 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 25 -0.75 dBi(ANT3), -2.0 dBi(ANT0) ,-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 26 -3.3 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 38 -0.6 dBi(ANT3),-1.1 dBi(ANT0),-1.8 dBi(ANT2), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 41 –0.6 dBi(ANT3), -1.1 dBi(ANT0),-1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 66 -0.78 dBi(ANT3), -2.0 dBi(ANT0),-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 71 -3.3 dBi(ANT0), -2.0 dBi(ANT3)
Power Class	:	Class 3
NR	:	
Operation Band	:	SA Band: n1: UL: 1920MHz~1980MHz, DL: 2110MHz~2170MHz n2: UL: 1850MHz~1910MHz, DL: 1930MHz~1990MHz n3: UL: 1710MHz~1785MHz, DL:1805MHz~1880MHz n5: UL: 824MHz~849MHz, DL:869MHz~894MHz n7: UL: 2500MHz~2570MHz, DL: 2620MHz~2690MHz n25: UL: 1850MHz~1915MHz, DL: 1930MHz~1995MHz n26: UL: 814MHz~849MHz, DL: 859MHz~894MHz n28: UL: 703MHz~748MHz, DL: 758MHz~803MHz n38: UL & DL: 2570MHz~2620MHz n40: UL & DL: 2300MHz~2400MHz n41: UL & DL: 2496MHz~2690MHz n66: UL: 1710MHz~1780MHz, DL: 2110MHz~2180MHz n71: UL: 663MHz~698MHz, DL: 617MHz~652MHz n77: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3980 MHz n78: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3800 MHz
Support Type	:	☒SA
Subcarrier Spacing	:	15KHz,30KHz
Modulation Type	:	DFT-BPSK, DFT-QPSK, DFT-16QAM, DFT-64QAM, DFT-256QAM CP-QPSK, CP-16QAM, CP-64QAM, CP-256QAM
SCS and Channel Bandwidths	:	n2_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,35 MHz,40 MHz n5_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n7_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40

		MHz,50MHz n25_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n26_SCS 15kHz(814~824MHz): 5 MHz,10 MHz n26_SCS 15kHz(824~849MHz): 5 MHz,10 MHz,15 MHz,20 MHz n38_SCS 30kHz:10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n41_SCS 30kHz: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz,90 MHz,100 MHz n66_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n71_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n77_SCS 30kHz: 20 MHz,50 MHz,100 MHz n78_SCS 30kHz: 20 MHz,50 MHz,100 MHz
Power Class	:	NR Band 2/5/7/25/26/38/41:PC3 NR Band 66/71/77/78: PC2
Antenna Description	:	PIFA Antenna NR Band n2: -0.8 dBi(ANT3), -6.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n5: -3.2 dBi(ANT0), -6.0 dBi(ANT3) NR Band n7: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n25: -0.75 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n26: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n38: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n41: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n66: -0.78 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n71: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n77: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7) NR Band n78: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7)
NFC	:	
Operating Frequency	:	13.56MHz
Modulation Type	:	ASK
Antenna Description	:	Internal Antenna
GPS Function	:	Support and only RX
FM Function	:	Support and only RX
Extreme temp. Tolerance	:	-30°C to +50°C
Extreme vol. Limits	:	3.3VDC to 4.45VDC (nominal: 3.87VDC)

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

2.2 Equipment under Test

Power supply system utilised

Power supply voltage	:	●	120V/ 60 Hz	○	115V/60Hz
		○	12 V DC	○	24 V DC
		○	Other (specified in blank below)		

2.3 Short description of the Equipment under Test (EUT)

2.3.1 GeneralDescription

Smart Phone is subscriber equipment in the BT/BLE/2.4GWIFI/5.2GWIFI/5.3GWIFI/5.5GWIFI /5.8GWIFI/GSM/WCDMA/LTE/NR system. GSM/GPRS/EGPRS frequency band is Band II/V. The HSPA/UMTS frequency band is Band II/IV/V. LTE frequency band is band 2/4/5/7/12/13/17/25/26/38/41/66/71. NR frequency band is band 2/5/7/25/26/38/41/66/71/77/78.The HSPA/UMTS frequency band II and Band IV and Band V test data included in this report. The Smart Phone implements such functions as RF signal receiving/transmitting, GSM/GPRS/EGPRS HSPA/UMTS/LTE/NR protocol processing, video MMS service and etc. Externally it provides SIM card interface.

2.4 Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN TIANYIN ELECTRONICS CO., LTD	Power Adapter	TPA-46050200UU	--	FCC

Note: Auxiliary equipment is provided by the laboratory.

2.5 External I/O Cable

I/O Port Description	Quantity	Cable
Type-C USB Port	1	N/A
Earphone Jack Port	1	N/A

2.6 Normal Accessory setting

Fully charged battery was used during the test.

2.7 Test Sample

The application provides 2 samples to meet requirement;

Sample Number	Description
Sample 1(A250303080-1)	Engineer sample – continuous transmit
Sample 2(A250303080-2)	Normal sample – Intermittent transmit

2.8 EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

● - supplied by the manufacturer

○ - supplied by the lab

○	Power Cable	Length (m) :	/
		Shield :	/
		Detachable :	/
○	Multimeter	Manufacturer :	/
		Model No. :	/

2.9 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: 2BN26-BRAX3 filing to comply with FCC Part 22, Part 24 and Part 27 Rules

2.10 Modifications

No modifications were implemented to meet testing criteria.

2.11 General Test Conditions/Configurations

2.10.1 Test Environment

EnvironmentParameter	SelectedValuesDuringTests	
Relative Humidity	Ambient	
Temperature	TN	Ambient
Voltage	VL	DC 3.3V
	VN	DC 3.87V
	VH	DC 4.45V

NOTE:VL=lower extreme testvoltage VN=nominal voltage
VH=upper extreme testvoltage TN=normal temperature

3 TEST ENVIRONMENT

3.1 Address of the test laboratory

Shenzhen LCS Compliance Testing Laboratory Ltd
101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
The sites are constructed in conformance with the requirements of ANSI C63.4 (2014) and CISPR Publication 22.

3.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

NVLAP Accreditation Code is 600167-0.
FCC Designation Number is CN5024.
CAB identifier is CN0071.
CNAS Registration Number is L4595.

3.3 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15-35 ° C
Humidity:	30-60 %
Atmospheric pressure:	950-1050mbar

3.4 Test Description

NR Band 2 (1850-1910MHz pairedwith 1930-1990MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Output Power	§2.1046, §24.232	EIRP ≤ 2W	PASS
Peak-Average Ratio	§2.1046, §24.232	FCC:Limit≤13dB	PASS
Modulation Characteristics	§2.1047	Digital modulation	N/A
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	PASS
Band Edges Compliance	§2.1051, §24.238	≤ -13dBm/1%*EBW, In 1MHz bands immediately outside and adjacent to the frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §24.238	≤-13dBm/1MHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Field Strength of Spurious Radiation	§2.1053, §24.238	≤ -13dBm/1MHz.	PASS
Frequency Stability	§2.1055, §24.235	FCC: within authorized frequency block.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

NR Band 5 (824-849MHz pairedwith 869-894MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Output Power	§2.1046, §22.913	FCC: ERP ≤ 7W.	Pass
Modulation Characteristics	§2.1047	Digital modulation	N/A
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Pass
Band Edges Compliance	§2.1051, §22.917	≤-≤ -13dBm/1%*EBW, In 1MHz bands immediately outside and adjacent to The frequency block.	Pass
Spurious Emission at Antenna Terminals	§2.1051, §22.917	FCC: ≤ -13dBm/100kHz, from 9kHz to 10th harmonics but outside authorized operating frequency ranges.	Pass
Field Strength of Spurious Radiation	§2.1053, §22.917	FCC: ≤ -13dBm/100kHz.	Pass
Frequency Stability	§2.1055, §22.355	≤ ±2.5ppm.	Pass
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

NR Band 7 (2500-2570MHz pairedwith 2620-2690MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Output Power	§2.1046, §27.50(h)	FCC: EIRP ≤ 2W.	Pass
Peak-AverageRatio	§2.1046, §27.50(a)	Limit≤13dB	Pass
Modulation Characteristics	§2.1047	Digital modulation	N/A
Bandwidth	§2.1049	OBW: No limit. EBW: No limit.	Pass
Band Edges Compliance	§2.1051, §27.53(m)	More details specified in §27.53(m)(4)	Pass
Spurious Emission at Antenna Terminals	§2.1051, §27.53(m)	More details specified in §27.53(m)(4)	Pass
Field Strength of Spurious Radiation	§2.1053, §27.53(m)	More details specified in §27.53(m)(4)	Pass
Frequency Stability	§2.1055, §27.54	≤ ±2.5ppm.	Pass
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

NR Band 25 (1850-1915MHz pairedwith 1930-1995MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §24.232	ERP ≤ 2W;	PASS
Peak-Average Ratio	§2.1046, §24.232	Limit≤13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §24.238	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §24.238	≤ -13dBm/100KHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1053, §24.238	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1055, §24.235	≤ -13dBm/100KHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

NR Band 26 (814-824MHz pairedwith 859-869MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §90.635	ERP ≤ 100W;	PASS
Peak-Average Ratio	§2.1046,	Limit≤13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §90.669	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §90.669	≤ -13dBm/100KHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §90.213	≤ ±2.5ppm.	PASS
Radiated spurious emission	§2.1053, §90.669	≤ -13dBm/100KHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

NR Band 26 (824-849MHz pairedwith 869-894MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §22.913	ERP ≤ 7W;	PASS
Peak-Average Ratio	§2.1046,	Limit≤13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §22.917 §90.691	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §22.917	≤ -13dBm/100KHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §22.355	≤ ±2.5ppm.	PASS
Radiated spurious emission	§2.1053, §22.917	≤ -13dBm/100KHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

NR Band 38(2570~2620MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(h)	EIRP ≤ 2W;	PASS
Peak-Average Ratio	§2.1046, §27.50	Limit≤13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(m)	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(m)	≤ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(m)	≤ -25dBm/1MHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

NR Band 41(2496-2690MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(h)	EIRP ≤ 2W;	PASS
Peak-Average Ratio	§2.1046, §27.50	Limit≤13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(m)	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(m)	≤ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(m)	≤ -25dBm/1MHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

Band 66 (1710-1780MHz pairedwith 2110-2180MHz)

Test Item	FCC RuleNo.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(d)	EIRP ≤ 1W;	PASS
Peak-Average Ratio	§2.1046, §27.50(d)	Limit≤13dB	Pass
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
Band Edges Compliance	§2.1051, §27.53(g)	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to the frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(g)	≤ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(g)	≤ -13dBm/1MHz.	PASS
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”			

Band 71 (663-698MHz pairedwith 617-652MHz)

Test Item	FCC RuleNo.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(c)	EIRP ≤ 3W;	PASS
Peak-Average Ratio	§2.1046,	Limit≤13dB	Pass
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(g)	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to the frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(g)	≤ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(g)	≤ -13dBm/1MHz.	PASS
NOTE 1: For the verdict, the “N/A” denotes “not applicable”, the “N/T” de notes “not tested”			

NR Band 77(3450-3550MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(k)	EIRP ≤ 1W;	PASS
Peak-Average Ratio	§2.1046, §27.50(k)	Limit≤13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(n) (2)	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(n) (2)	≤ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(n) (2)	≤ -13dBm/1MHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

NR Band 77(3700-3980MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(j)	EIRP ≤ 1W;	PASS
Peak-Average Ratio	§2.1046, §27.50(j)	Limit≤13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(l) (2)	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(l) (2)	≤ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(l) (2)	≤ -13dBm/1MHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

NR Band 78(3450-3550MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(k)	EIRP ≤ 1W;	PASS
Peak-Average Ratio	§2.1046, §27.50(k)	Limit≤13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(n) (2)	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(n) (2)	≤ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(n) (2)	≤ -13dBm/1MHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

NR Band 78(3700-3800MHz)

Test Item	FCC Rule No.	Requirements	Verdict
Effective(Isotropic) Radiated Power Output Data	§2.1046, §27.50(j)	EIRP ≤ 1W;	PASS
Peak-Average Ratio	§2.1046, §27.50(j)	Limit≤13dB	PASS
Modulation Characteristics	§2.1047	Digitalmodulation	N/A
Bandwidth	§2.1049	OBW: Nolimit. EBW: Nolimit.	PASS
BandEdges Compliance	§2.1051, §27.53(l) (2)	≤ -13dBm/1%*EBW,in1 MHz bands immediately outside and adjacent to The frequency block.	PASS
Spurious Emission at Antenna Terminals	§2.1051, §27.53(l) (2)	≤ -13dBm/1MHz, from 9kHz to10th harmonics but outside authorized Operating frequency ranges.	PASS
Frequency Stability	§2.1055, §27.54	Within authorized bands of operation/frequency block.	PASS
Radiated spurious emission	§2.1053, §27.53(l) (2)	≤ -13dBm/1MHz.	PASS
NOTE 1:For the verdict, the“N/A”denotes“not applicable”,the“N/T”de notes “not tested”.			

3.5 Equipments Used during the Test

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2024-06-06	2025-06-05
2	Power Sensor	R&S	NRV-Z81	100458	2024-06-06	2025-06-05
3	Power Sensor	R&S	NRV-Z32	10057	2024-06-06	2025-06-05
4	LTE Test Software	Tonscend	JS1120-1	N/A	N/A	N/A
5	RF Control Unit	Tonscend	JS0806-1	158060009	2024-11-08	2025-11-07
6	MXA Signal Analyzer	Agilent	N9020A	MY51250905	2024-10-08	2025-10-07
7	WIDEBAND RADIO COMMUNICATION TESTER	R&S	CMW 500	103818	2024-06-06	2025-06-05
8	DC Power Supply	Agilent	E3642A	N/A	2024-10-08	2025-10-07
9	EMI Test Software	AUDIX	E3	/	N/A	N/A
10	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2024-06-06	2025-06-05
11	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
12	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2024-07-13	2027-07-12
13	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2024-08-03	2027-08-02
14	By-log Antenna	SCHWARZBECK	VULB9163	9163-471	2024-08-03	2027-08-02
15	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2024-07-13	2027-07-12
16	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1926	2024-07-13	2027-07-12
17	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2024-07-13	2027-07-12
18	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	792	2024-07-13	2027-07-12
19	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2024-07-30	2025-07-29
20	EMI Test Receiver	R&S	ESR 7	101181	2024-06-06	2025-06-05
21	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2024-06-06	2025-06-05
22	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2024-10-08	2025-10-07
23	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2024-10-08	2025-10-07
24	6dB Attenuator	/	100W/6dB	1172040	2024-06-06	2025-06-05
25	3dB Attenuator	/	2N-3dB	/	2024-10-08	2025-10-07
26	Temperature & Humidity Chamber	Baro	/	/	2024-06-12	2025-06-11
27	EMI Test Software	Farad	EZ	/	N/A	N/A
28	RADIO COMMUNICATION TESTER	R&S	CMU 200	105988	2024-06-06	2025-06-05
29	RADIO COMMUNICATION TESTER	Anritsu	MT8821C	6262257865	2024-05-18	2025-05-17
30	RADIO COMMUNICATION TESTER	Anritsu	MT8000A	6262208376	2024-05-18	2025-05-17
31	Signal Analyzer	Anritsu	MS2840A	6201591940	2024-06-06	2025-06-05
32	Signal Generator	Anritsu	MG3710E	6262204211	2024-06-06	2025-06-05
33	Signal Generator	Anritsu	MG3692C	222804	2024-06-06	2025-06-05
34	Antenna Mast	Max-Full	MFA-515BSN	1308572	N/A	N/A

3.6 Measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to ETSI TR 100 028“Electromagnetic compatibilityand Radio spectrum Matters (ERM);Uncertainties in the measurementof mobile radio equipment characteristics” and is documented in the Shenzhen LCS Compliance Testing Laboratory Ltd.quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen LCS Compliance Testing Laboratory Ltd. is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	30~1000MHz	3.10 dB	(1)
Radiated Emission	1~18GHz	3.80 dB	(1)
Radiated Emission	18-40GHz	3.90 dB	(1)
Conducted Disturbance	0.15~30MHz	1.63 dB	(1)
Conducted Power	9KHz~18GHz	0.61 dB	(1)
Spurious RF Conducted Emission	9KHz~40GHz	1.22 dB	(1)
Band Edge Compliance of RF Emission	9KHz~40GHz	1.22 dB	(1)
Occuiped Bandwidth	9KHz~40GHz	-	(1)

(1)This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

4 TEST CONDITIONS AND RESULTS

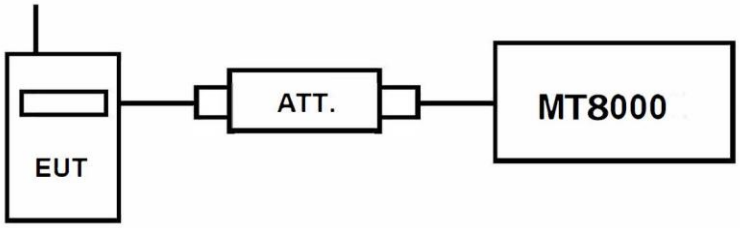
4.1 Output Power

TEST APPLICABLE

During the process of testing, the EUT was controlled via Anritsu Digital Radio Communication tester (MT8000A) to ensure max power transmission and proper modulation. This result contains output power and EIRP measurements for the EUT. In all cases, output power is within the specified limits.

4.1.1. Conducted Output Power

TEST CONFIGURATION



TEST PROCEDURE

Conducted Power Measurement:

a) Place the EUT on a bench and set it in transmitting mode.
b) Connect a low loss RF cable from the antenna port to a MT8000A by an Att.
c) EUT Communicate with MT8000A then selects a channel for testing.
d) Add a correction factor to the display MT8000A, and then test.

TEST RESULTS

Remark:

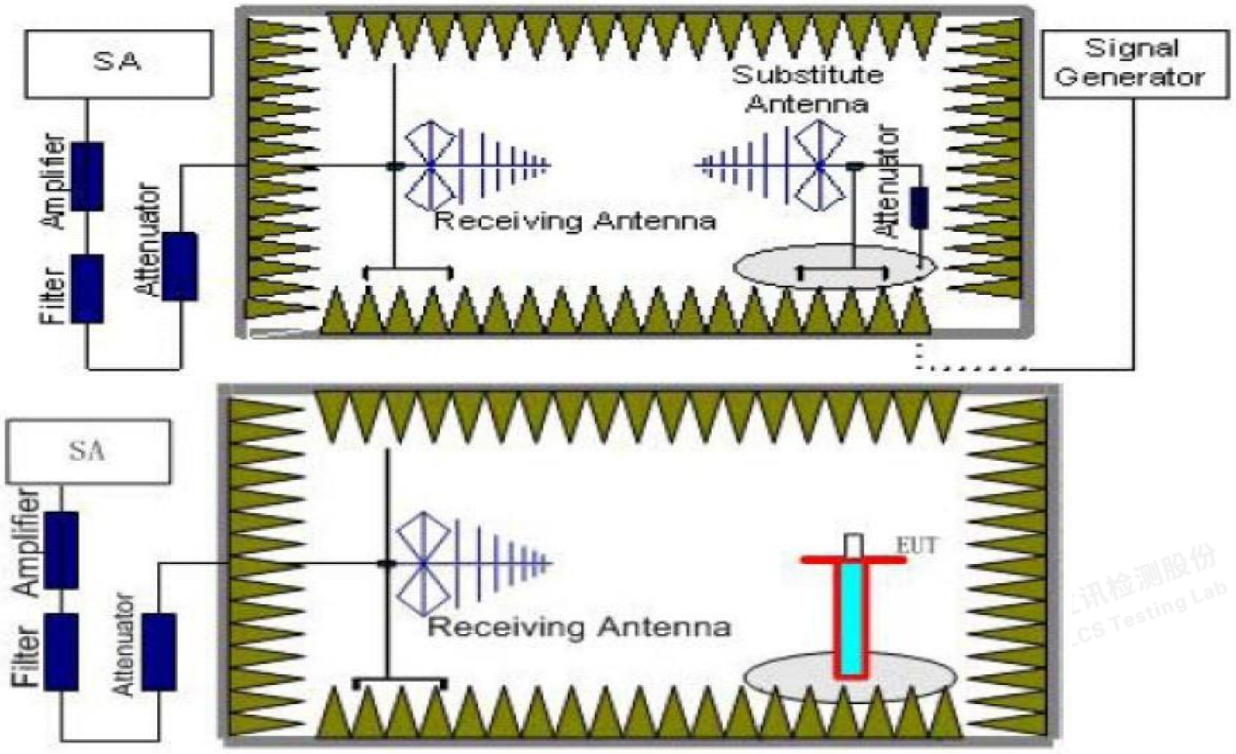
1. *We were tested all RB Configuration refer 3GPP TS138 521 for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78; recorded worst case for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78.*
2. *For NR Band 2, please refer to Appendix_a: Section a.1*
3. *For NR Band 5, please refer to Appendix_b: Section b.1*
4. *For NR Band 7, please refer to Appendix_c: Section c.1*
5. *For NR Band 25, please refer to Appendix_d: Section d.1*
6. *For NR Band 26, please refer to Appendix_e&f: Section e&f.1*
7. *For NR Band 38, please refer to Appendix_g: Section g.1*
8. *For NR Band 41, please refer to Appendix_h: Section h.1*
9. *For NR Band 66, please refer to Appendix_i: Section i.1*
10. *For NR Band 71, please refer to Appendix_j: Section j.1*
11. *NR Band 77, please refer to Appendix_ k&_l: Section k& l.1*
12. *NR Band 78, please refer to Appendix_ m&_n: Section m& n.1*

4.1.2. Radiated Output Power

LIMIT

This is the test for the maximum radiated power from the EUT.
Per §22.913(2) Extend coverage on a secondary basis into cellular unserved areas, as those areas are defined in §22.949, the ERP of base transmitters and cellular repeaters of such systems must not exceed 1000 Watts. The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.
Per Part 27.50(d) (4) specifies, Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755MHz band are limited to 1W EIRP. Fixed stations operating in this band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in this band must employ a means for limiting power to the minimum necessary for successful communications.
Per Part 27.50(c) (10)specifies, Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.
Per Part 27.50(h) (2)specifies Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.
FCC section 27.50(j) (3), for mobile, and portable (hand-held) stations operating in the 3700-3980 MHz band are limited to 1 watt EIRP.
FCC section 27.50(k) (3), Mobile devices are limited to 1Watt (30 dBm) EIRP in the 3450-3550 MHz band.
Per Part 90.635(b) The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw)

TEST CONFIGURATION



TEST PROCEDURE

1. EUT was placed on a 1.50 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.50m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same

power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.

3. The EUT is then put into continuously transmitting mode at its maximum power level during the test.Set Test Receiver or Spectrum RBW=1MHz,VBW=3MHz, And the maximum value of the receiver should be recorded as (P_r).
4. The EUT shall be replaced by a substitution antenna.In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (P_{cl}) ,the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test.
   The measurement results are obtained as described below:
   Power(EIRP)=P_{Mea}+ P_{Ag} - P_{cl} + G_a
6. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
7. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP-2.15dBi.

TEST RESULTS

Radiated Measurement:

Remark:

1. *We were tested all RB Configuration refer 3GPP TS138 521 for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78; recorded worst case for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78.*
2. *EIRP=P_{Mea}(dBm)-P_{cl}(dB)+P_{Ag}(dB)+G_a(dBi)*
3. *ERP = EIRP – 2.15dBi as EIRP by subtracting the gain of the dipole.*
4. *Margin = Emission Level - Limit*
5. *We tested the worst-case records for H and V directions, and only the worst-case records for V direction were recorded in the report.*

NR FDD Band 2_Channel Bandwidth 5MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1852.5	-19.62	4.03	8.38	35.51	20.24	33.01	-12.77	V
1880.0	-19.45	4.08	8.33	35.56	20.36	33.01	-12.65	V
1907.5	-19.77	4.14	8.26	35.63	19.98	33.01	-13.03	V

NR FDD Band 2_Channel Bandwidth 10MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1855.0	-20.10	4.03	8.38	35.51	19.76	33.01	-13.25	V
1880.0	-19.69	4.08	8.33	35.56	20.12	33.01	-12.89	V
1905.0	-20.39	4.14	8.26	35.63	19.36	33.01	-13.65	V

NR FDD Band 2_Channel Bandwidth 15MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1857.5	-20.56	4.03	8.38	35.51	19.30	33.01	-13.71	V
1880.0	-20.69	4.08	8.33	35.56	19.12	33.01	-13.89	V
1902.5	-20.91	4.14	8.26	35.63	18.84	33.01	-14.17	V

NR FDD Band 2_Channel Bandwidth 20MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1860.0	-20.70	4.03	8.38	35.51	19.16	33.01	-13.85	V
1880.0	-20.53	4.08	8.33	35.56	19.28	33.01	-13.73	V
1900.0	-21.44	4.14	8.26	35.63	18.31	33.01	-14.70	V

NR FDD Band 2_Channel Bandwidth 25MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1862.5	-21.53	4.03	8.38	35.51	18.33	33.01	-14.68	V
1880.0	-21.59	4.08	8.33	35.56	18.22	33.01	-14.79	V
1897.5	-21.78	4.14	8.26	35.63	17.97	33.01	-15.04	V

NR FDD Band 2_Channel Bandwidth 30MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1865.0	-21.90	4.03	8.38	35.51	17.96	33.01	-15.05	V
1880.0	-22.16	4.08	8.33	35.56	17.65	33.01	-15.36	V
1895.0	-22.06	4.14	8.26	35.63	17.69	33.01	-15.32	V

NR FDD Band 2_Channel Bandwidth 40MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1870.0	-19.90	4.03	8.38	35.51	19.96	33.01	-13.05	V
1880.0	-20.07	4.08	8.33	35.56	19.74	33.01	-13.27	V
1890.0	-20.36	4.14	8.26	35.63	19.39	33.01	-13.62	V

NR FDD Band 2_Channel Bandwidth 5MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1852.5	-20.22	4.03	8.38	35.51	19.64	33.01	-13.37	V
1880.0	-20.14	4.08	8.33	35.56	19.67	33.01	-13.34	V
1907.5	-20.57	4.14	8.26	35.63	19.18	33.01	-13.83	V

NR FDD Band 2_Channel Bandwidth 10MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP	Limit (dBm)	Margin (dB)	Polarization

					(dBm)			
1855.0	-21.18	4.03	8.38	35.51	18.68	33.01	-14.33	V
1880.0	-21.11	4.08	8.33	35.56	18.70	33.01	-14.31	V
1905.0	-20.80	4.14	8.26	35.63	18.95	33.01	-14.06	V

NR FDD Band 2_Channel Bandwidth 15MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1857.5	-21.76	4.03	8.38	35.51	18.10	33.01	-14.91	V
1880.0	-21.56	4.08	8.33	35.56	18.25	33.01	-14.76	V
1902.5	-21.64	4.14	8.26	35.63	18.11	33.01	-14.90	V

NR FDD Band 2_Channel Bandwidth 20MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1860.0	-22.47	4.03	8.38	35.51	17.39	33.01	-15.62	V
1880.0	-21.77	4.08	8.33	35.56	18.04	33.01	-14.97	V
1900.0	-21.53	4.14	8.26	35.63	18.22	33.01	-14.79	V

NR FDD Band 2_Channel Bandwidth 25MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1862.5	-22.35	4.03	8.38	35.51	17.51	33.01	-15.50	V
1880.0	-22.30	4.08	8.33	35.56	17.51	33.01	-15.50	V
1897.5	-22.07	4.14	8.26	35.63	17.68	33.01	-15.33	V

NR FDD Band 2_Channel Bandwidth 30MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1865.0	-20.27	4.03	8.38	35.51	19.59	33.01	-13.42	V
1880.0	-19.57	4.08	8.33	35.56	20.24	33.01	-12.77	V
1895.0	-20.48	4.14	8.26	35.63	19.27	33.01	-13.74	V

NR FDD Band 2_Channel Bandwidth 40MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1870.0	-20.90	4.03	8.38	35.51	18.96	33.01	-14.05	V
1880.0	-20.85	4.08	8.33	35.56	18.96	33.01	-14.05	V
1890.0	-20.24	4.14	8.26	35.63	19.51	33.01	-13.50	V

NR FDD Band 5_Channel Bandwidth 5MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Aq} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
826.5	-15.78	3.45	8.45	2.15	33.79	20.86	38.45	-17.59	V
836.5	-15.94	3.49	8.45	2.15	33.85	20.72	38.45	-17.73	V
846.5	-15.63	3.55	8.36	2.15	33.88	20.91	38.45	-17.54	V

NR FDD Band 5_Channel Bandwidth 10MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
829.0	-16.04	3.45	8.45	2.15	33.79	20.60	38.45	-17.85	V
836.5	-16.45	3.49	8.45	2.15	33.85	20.21	38.45	-18.24	V
844.0	-15.79	3.55	8.36	2.15	33.88	20.75	38.45	-17.70	V

NR FDD Band 5_Channel Bandwidth 15MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
831.5	-16.24	3.45	8.45	2.15	33.79	20.40	38.45	-18.05	V
836.5	-15.73	3.49	8.45	2.15	33.85	20.93	38.45	-17.52	V
841.5	-16.41	3.55	8.36	2.15	33.88	20.13	38.45	-18.32	V

NR FDD Band 5_Channel Bandwidth 20MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
834	-15.52	3.45	8.45	2.15	33.79	21.12	38.45	-17.33	V
836.5	-15.61	3.49	8.45	2.15	33.85	21.05	38.45	-17.40	V
839	-15.87	3.55	8.36	2.15	33.88	20.67	38.45	-17.78	V

NR FDD Band 5_Channel Bandwidth 5MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
826.5	-16.78	3.45	8.45	2.15	33.79	19.86	38.45	-18.59	V
836.5	-17.09	3.49	8.45	2.15	33.85	19.57	38.45	-18.88	V
846.5	-17.47	3.55	8.36	2.15	33.88	19.07	38.45	-19.38	V

NR FDD Band 5_Channel Bandwidth 10MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
829.0	-17.45	3.45	8.45	2.15	33.79	19.19	38.45	-19.26	V
836.5	-17.36	3.49	8.45	2.15	33.85	19.30	38.45	-19.15	V
844.0	-16.59	3.55	8.36	2.15	33.88	19.95	38.45	-18.50	V

NR FDD Band 5_Channel Bandwidth 15MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
831.5	-16.83	3.45	8.45	2.15	33.79	19.81	38.45	-18.64	V
836.5	-16.71	3.49	8.45	2.15	33.85	19.95	38.45	-18.50	V
841.5	-17.33	3.55	8.36	2.15	33.88	19.21	38.45	-19.24	V

NR FDD Band 5_Channel Bandwidth 20MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
834	-16.51	3.45	8.45	2.15	33.79	20.13	38.45	-18.32	V
836.5	-16.65	3.49	8.45	2.15	33.85	20.01	38.45	-18.44	V
839	-17.32	3.55	8.36	2.15	33.88	19.22	38.45	-19.23	V

NR FDD Band 7_Channel Bandwidth 5MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2502.5	-18.03	4.32	6.8	36.14	20.59	33.01	-12.42	V
2535	-18.24	4.32	6.61	36.17	20.22	33.01	-12.79	V
2567.5	-18.78	4.33	6.57	36.22	19.68	33.01	-13.33	V

NR FDD Band 7_Channel Bandwidth 10MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2505.0	-18.43	4.32	6.8	36.14	20.19	33.01	-12.82	V
2535	-18.65	4.32	6.61	36.17	19.81	33.01	-13.20	V
2565.0	-18.70	4.33	6.57	36.22	19.76	33.01	-13.25	V

NR FDD Band 7_Channel Bandwidth 15MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2507.5	-18.70	4.32	6.8	36.14	19.92	33.01	-13.09	V
2535	-18.74	4.32	6.61	36.17	19.72	33.01	-13.29	V
2562.5	-18.01	4.33	6.57	36.22	20.45	33.01	-12.56	V

NR FDD Band 7_Channel Bandwidth 20MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2510.0	-18.54	4.32	6.8	36.14	20.08	33.01	-12.93	V
2535	-18.05	4.32	6.61	36.17	20.41	33.01	-12.60	V
2560.0	-18.75	4.33	6.57	36.22	19.71	33.01	-13.30	V

NR FDD Band 7_Channel Bandwidth 25MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2512.5	-18.93	4.32	6.8	36.14	19.69	33.01	-13.32	V
2535	-19.76	4.32	6.61	36.17	18.70	33.01	-14.31	V
2557.5	-19.88	4.33	6.57	36.22	18.58	33.01	-14.43	V

NR FDD Band 7_Channel Bandwidth 30MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2515.0	-19.36	4.32	6.8	36.14	19.26	33.01	-13.75	V
2535	-19.34	4.32	6.61	36.17	19.12	33.01	-13.89	V
2555.0	-19.54	4.33	6.57	36.22	18.92	33.01	-14.09	V

NR FDD Band 7_Channel Bandwidth 40MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2520.0	-19.41	4.32	6.8	36.14	19.21	33.01	-13.80	V
2535	-19.75	4.32	6.61	36.17	18.71	33.01	-14.30	V
2550.0	-19.52	4.33	6.57	36.22	18.94	33.01	-14.07	V

NR FDD Band 7_Channel Bandwidth 50MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2525	-19.11	4.32	6.8	36.14	19.51	33.01	-13.50	V
2535	-19.52	4.32	6.61	36.17	18.94	33.01	-14.07	V
2545	-19.80	4.33	6.57	36.22	18.66	33.01	-14.35	V

NR FDD Band 7_Channel Bandwidth 5MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2502.5	-18.58	4.32	6.8	36.14	20.04	33.01	-12.97	V
2535	-18.36	4.32	6.61	36.17	20.10	33.01	-12.91	V
2567.5	-18.94	4.33	6.57	36.22	19.52	33.01	-13.49	V

NR FDD Band 7_Channel Bandwidth 10MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2505.0	-18.30	4.32	6.8	36.14	20.32	33.01	-12.69	V
2535	-18.61	4.32	6.61	36.17	19.85	33.01	-13.16	V
2565.0	-18.28	4.33	6.57	36.22	20.18	33.01	-12.83	V

NR FDD Band 7_Channel Bandwidth 15MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2507.5	-18.84	4.32	6.8	36.14	19.78	33.01	-13.23	V
2535	-18.95	4.32	6.61	36.17	19.51	33.01	-13.50	V
2562.5	-18.91	4.33	6.57	36.22	19.55	33.01	-13.46	V

NR FDD Band 7_Channel Bandwidth 20MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2510.0	-18.66	4.32	6.8	36.14	19.96	33.01	-13.05	V
2535	-18.11	4.32	6.61	36.17	20.35	33.01	-12.66	V
2560.0	-18.22	4.33	6.57	36.22	20.24	33.01	-12.77	V

NR FDD Band 7_Channel Bandwidth 25MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2512.5	-19.64	4.32	6.8	36.14	18.98	33.01	-14.03	V
2535	-19.11	4.32	6.61	36.17	19.35	33.01	-13.66	V
2557.5	-19.25	4.33	6.57	36.22	19.21	33.01	-13.80	V

NR FDD Band 7_Channel Bandwidth 30MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2515.0	-19.70	4.32	6.8	36.14	18.92	33.01	-14.09	V
2535	-19.32	4.32	6.61	36.17	19.14	33.01	-13.87	V
2555.0	-19.71	4.33	6.57	36.22	18.75	33.01	-14.26	V

NR FDD Band 7_Channel Bandwidth 40MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2520.0	-19.31	4.32	6.8	36.14	19.31	33.01	-13.70	V
2535	-19.09	4.32	6.61	36.17	19.37	33.01	-13.64	V
2550.0	-19.51	4.33	6.57	36.22	18.95	33.01	-14.06	V

NR FDD Band 7_Channel Bandwidth 50MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Aq} (dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2525	-19.32	4.32	6.8	36.14	19.30	33.01	-13.71	V
2535	-19.89	4.32	6.61	36.17	18.57	33.01	-14.44	V
2545	-19.19	4.33	6.57	36.22	19.27	33.01	-13.74	V

NR FDD Band 25_Channel Bandwidth 5MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1852.5	-17.06	4.03	8.38	35.51	22.80	33.01	-10.21	V
1882.5	-17.18	4.08	8.33	35.56	22.63	33.01	-10.38	V
1912.5	-19.52	4.14	8.26	35.63	20.23	33.01	-12.78	V

*NR FDD Band 25_*Channel Bandwidth 10MHz*_ DFT-BPSK*

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1855.0	-17.61	4.03	8.38	35.51	22.25	33.01	-10.76	V
1882.5	-19.18	4.08	8.33	35.56	20.63	33.01	-12.38	V
1910.0	-19.61	4.14	8.26	35.63	20.14	33.01	-12.87	V

NR FDD Band 25_Channel Bandwidth 15MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1857.5	-17.86	4.03	8.38	35.51	22.00	33.01	-11.01	V
1882.5	-17.94	4.08	8.33	35.56	21.87	33.01	-11.14	V
1907.5	-18.46	4.14	8.26	35.63	21.29	33.01	-11.72	V

NR FDD Band 25_Channel Bandwidth 20MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1860.0	-18.00	4.03	8.38	35.51	21.86	33.01	-11.15	V
1882.5	-17.42	4.08	8.33	35.56	22.39	33.01	-10.62	V
1905.0	-19.58	4.14	8.26	35.63	20.17	33.01	-12.84	V

NR FDD Band 25_Channel Bandwidth 25MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization

1862.5	-18.25	4.03	8.38	35.51	21.61	33.01	-11.40	V
1882.5	-18.02	4.08	8.33	35.56	21.79	33.01	-11.22	V
1902.5	-18.79	4.14	8.26	35.63	20.96	33.01	-12.05	V

NR FDD Band 25_Channel Bandwidth 30MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1865.0	-17.02	4.03	8.38	35.51	22.84	33.01	-10.17	V
1882.5	-19.58	4.08	8.33	35.56	20.23	33.01	-12.78	V
1900.0	-19.96	4.14	8.26	35.63	19.79	33.01	-13.22	V

NR FDD Band 25_Channel Bandwidth 40MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1870.0	-17.31	4.03	8.38	35.51	22.55	33.01	-10.46	V
1882.5	-18.48	4.08	8.33	35.56	21.33	33.01	-11.68	V
1895.0	-18.00	4.14	8.26	35.63	21.75	33.01	-11.26	V

NR FDD Band 25_Channel Bandwidth 5MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1852.5	-19.62	4.03	8.38	35.51	20.24	33.01	-12.77	V
1882.5	-19.59	4.08	8.33	35.56	20.22	33.01	-12.79	V
1912.5	-19.26	4.14	8.26	35.63	20.49	33.01	-12.52	V

*NR FDD Band 25_*Channel Bandwidth 10MHz*_ CP-16QAM*

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1855.0	-18.92	4.03	8.38	35.51	20.94	33.01	-12.07	V
1882.5	-18.61	4.08	8.33	35.56	21.20	33.01	-11.81	V
1910.0	-17.46	4.14	8.26	35.63	22.29	33.01	-10.72	V

NR FDD Band 25_Channel Bandwidth 15MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1857.5	-17.26	4.03	8.38	35.51	22.60	33.01	-10.41	V
1882.5	-17.74	4.08	8.33	35.56	22.07	33.01	-10.94	V
1907.5	-17.36	4.14	8.26	35.63	22.39	33.01	-10.62	V

NR FDD Band 25_Channel Bandwidth 20MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1860.0	-18.40	4.03	8.38	35.51	21.46	33.01	-11.55	V
1882.5	-18.09	4.08	8.33	35.56	21.72	33.01	-11.29	V
1905.0	-17.42	4.14	8.26	35.63	22.33	33.01	-10.68	V

NR FDD Band 25_Channel Bandwidth 25MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1862.5	-19.08	4.03	8.38	35.51	20.78	33.01	-12.23	V
1882.5	-18.36	4.08	8.33	35.56	21.45	33.01	-11.56	V
1902.5	-18.28	4.14	8.26	35.63	21.47	33.01	-11.54	V

NR FDD Band 25_Channel Bandwidth 30MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1865.0	-17.13	4.03	8.38	35.51	22.73	33.01	-10.28	V
1882.5	-19.31	4.08	8.33	35.56	20.50	33.01	-12.51	V
1900.0	-18.33	4.14	8.26	35.63	21.42	33.01	-11.59	V

NR FDD Band 25_Channel Bandwidth 40MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1870.0	-19.15	4.03	8.38	35.51	20.71	33.01	-12.30	V
1882.5	-19.68	4.08	8.33	35.56	20.13	33.01	-12.88	V
1895.0	-19.60	4.14	8.26	35.63	20.15	33.01	-12.86	V

NR FDD Band 26: 814MHz~824MHz

NR FDD Band 26_Channel Bandwidth 5MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
816.50	-18.10	3.58	9.62	33.79	2.15	19.58	50.00	-30.42	V
819.00	-18.42	3.61	9.22	34.64	2.15	19.68	50.00	-30.32	V
821.50	-17.65	3.64	9.04	34.75	2.15	20.35	50.00	-29.65	V

NR FDD Band 26_Channel Bandwidth 10MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
819.00	-17.83	3.64	9.04	34.75	2.15	20.17	50.00	-29.83	V

NR FDD Band 26_Channel Bandwidth 5MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
816.50	-16.60	3.58	9.62	33.79	2.15	21.08	50.00	-28.92	V
819.00	-17.21	3.61	9.22	34.64	2.15	20.89	50.00	-29.11	V
821.50	-16.64	3.64	9.04	34.75	2.15	21.36	50.00	-28.64	V

NR FDD Band 26_Channel Bandwidth 10MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
819.00	-16.00	3.64	9.04	34.75	2.15	22.00	50.00	-28.00	V

NR FDD Band 26: 824MHz~849MHz

NR FDD Band 26_Channel Bandwidth 5MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
826.50	-18.01	3.58	9.62	33.79	2.15	19.67	38.45	-18.78	V
836.50	-17.71	3.61	9.22	34.64	2.15	20.39	38.45	-18.06	V
846.50	-18.02	3.64	9.04	34.75	2.15	19.98	38.45	-18.47	V

NR FDD Band 26_Channel Bandwidth 10MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
829.00	-17.01	3.58	9.62	33.79	2.15	20.67	38.45	-17.78	V
836.50	-17.78	3.61	9.22	34.64	2.15	20.32	38.45	-18.13	V
844.00	-17.56	3.64	9.04	34.75	2.15	20.44	38.45	-18.01	V

NR FDD Band 26_Channel Bandwidth 15MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
831.50	-16.99	3.58	9.62	33.79	2.15	20.69	38.45	-17.76	V
836.50	-17.41	3.61	9.22	34.64	2.15	20.69	38.45	-17.76	V
841.50	-16.57	3.64	9.04	34.75	2.15	21.43	38.45	-17.02	V

NR FDD Band 26_Channel Bandwidth 20MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
834.0	-16.95	3.58	9.62	33.79	2.15	20.73	38.45	-17.72	V
836.50	-16.70	3.61	9.22	34.64	2.15	21.40	38.45	-17.05	V
839.0	-16.24	3.64	9.04	34.75	2.15	21.76	38.45	-16.69	V

NR FDD Band 26_Channel Bandwidth 5MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
826.50	-16.39	3.58	9.62	33.79	2.15	21.29	38.45	-17.16	V
836.50	-16.00	3.61	9.22	34.64	2.15	22.10	38.45	-16.35	V
846.50	-16.41	3.64	9.04	34.75	2.15	21.59	38.45	-16.86	V

NR FDD Band 26_Channel Bandwidth 10MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
829.00	-18.59	3.58	9.62	33.79	2.15	19.09	38.45	-19.36	V
836.50	-19.24	3.61	9.22	34.64	2.15	18.86	38.45	-19.59	V
844.00	-19.20	3.64	9.04	34.75	2.15	18.80	38.45	-19.65	V

NR FDD Band 26_Channel Bandwidth 15MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
831.50	-18.34	3.58	9.62	33.79	2.15	19.34	38.45	-19.11	V
836.50	-17.66	3.61	9.22	34.64	2.15	20.44	38.45	-18.01	V
841.50	-17.98	3.64	9.04	34.75	2.15	20.02	38.45	-18.43	V

NR FDD Band 26_Channel Bandwidth 20MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain (dB)	P_{Ag} (dB)	Correction (dB)	Burst Avergae ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
834.0	-17.02	3.58	9.62	33.79	2.15	20.66	38.45	-17.79	V
836.50	-17.13	3.61	9.22	34.64	2.15	20.97	38.45	-17.48	V
839.0	-17.94	3.64	9.04	34.75	2.15	20.06	38.45	-18.39	V

NR TDD Band 38_Channel Bandwidth 10MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2575	-18.41	4.34	6.88	36.20	20.33	33.01	-12.68	V
2595	-18.66	4.36	6.55	36.26	19.79	33.01	-13.22	V
2615	-18.10	4.47	6.35	36.50	20.28	33.01	-12.73	V

NR TDD Band 38_Channel Bandwidth 15MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2577.5	-18.49	4.34	6.88	36.20	20.25	33.01	-12.76	V
2595	-18.52	4.36	6.55	36.26	19.93	33.01	-13.08	V
2612.5	-18.61	4.47	6.35	36.50	19.77	33.01	-13.24	V

NR TDD Band 38_Channel Bandwidth 20MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2580.0	-18.81	4.34	6.88	36.20	19.93	33.01	-13.08	V
2595	-18.99	4.36	6.55	36.26	19.46	33.01	-13.55	V
2610.0	-18.61	4.47	6.35	36.50	19.77	33.01	-13.24	V

NR TDD Band 38_Channel Bandwidth 25MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2582.5	-18.39	4.34	6.88	36.20	20.35	33.01	-12.66	V
2595	-18.88	4.36	6.55	36.26	19.57	33.01	-13.44	V
2607.5	-18.37	4.47	6.35	36.50	20.01	33.01	-13.00	V

NR TDD Band 38_Channel Bandwidth 30MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2585.0	-19.32	4.34	6.88	36.20	19.42	33.01	-13.59	V
2595	-19.17	4.36	6.55	36.26	19.28	33.01	-13.73	V
2605.0	-19.54	4.47	6.35	36.50	18.84	33.01	-14.17	V

NR TDD Band 38_Channel Bandwidth 40MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2590	-19.25	4.34	6.88	36.20	19.49	33.01	-13.52	V
2595	-19.21	4.36	6.55	36.26	19.24	33.01	-13.77	V
2600	-19.40	4.47	6.35	36.50	18.98	33.01	-14.03	V

NR TDD Band 38_Channel Bandwidth 10MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2575	-19.36	4.34	6.88	36.20	19.38	33.01	-13.63	V
2595	-19.09	4.36	6.55	36.26	19.36	33.01	-13.65	V
2615	-18.94	4.47	6.35	36.50	19.44	33.01	-13.57	V

NR TDD Band 38_Channel Bandwidth 15MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2577.5	-19.30	4.34	6.88	36.20	19.44	33.01	-13.57	V
2595	-19.68	4.36	6.55	36.26	18.77	33.01	-14.24	V
2612.5	-19.04	4.47	6.35	36.50	19.34	33.01	-13.67	V

NR TDD Band 38_Channel Bandwidth 20MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2580.0	-18.42	4.34	6.88	36.20	20.32	33.01	-12.69	V
2595	-18.12	4.36	6.55	36.26	20.33	33.01	-12.68	V
2610.0	-18.06	4.47	6.35	36.50	20.32	33.01	-12.69	V

NR TDD Band 38_Channel Bandwidth 25MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2582.5	-18.50	4.34	6.88	36.20	20.24	33.01	-12.77	V
2595	-18.52	4.36	6.55	36.26	19.93	33.01	-13.08	V
2607.5	-18.81	4.47	6.35	36.50	19.57	33.01	-13.44	V

NR TDD Band 38_Channel Bandwidth 30MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2585.0	-18.60	4.34	6.88	36.20	20.14	33.01	-12.87	V
2595	-18.62	4.36	6.55	36.26	19.83	33.01	-13.18	V
2605.0	-18.34	4.47	6.35	36.50	20.04	33.01	-12.97	V

NR TDD Band 38_Channel Bandwidth 40MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2590	-18.55	4.34	6.88	36.20	20.19	33.01	-12.82	V
2595	-18.79	4.36	6.55	36.26	19.66	33.01	-13.35	V
2600	-18.15	4.47	6.35	36.50	20.23	33.01	-12.78	V

NR TDD Band 41_Channel Bandwidth 10MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2501.01	-18.36	4.32	6.8	36.13	20.25	33.01	-12.76	V
2592.99	-18.41	4.36	6.55	36.26	20.04	33.01	-12.97	V
2685.00	-18.49	4.51	6.37	36.54	19.91	33.01	-13.10	V

NR TDD Band 41_Channel Bandwidth 15MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2503.50	-18.43	4.32	6.8	36.13	20.18	33.01	-12.83	V
2592.99	-18.86	4.36	6.55	36.26	19.59	33.01	-13.42	V
2682.48	-18.72	4.51	6.37	36.54	19.68	33.01	-13.33	V

NR TDD Band 41_Channel Bandwidth 20MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2506.02	-18.39	4.32	6.8	36.13	20.22	33.01	-12.79	V
2592.99	-18.87	4.36	6.55	36.26	19.58	33.01	-13.43	V
2679.99	-18.31	4.51	6.37	36.54	20.09	33.01	-12.92	V

NR TDD Band 41_Channel Bandwidth 30MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2511.00	-18.69	4.32	6.8	36.13	19.92	33.01	-13.09	V
2592.99	-18.45	4.36	6.55	36.26	20.00	33.01	-13.01	V
2674.98	-18.46	4.51	6.37	36.54	19.94	33.01	-13.07	V

NR TDD Band 41_Channel Bandwidth 40MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2516.01	-18.96	4.32	6.8	36.13	19.65	33.01	-13.36	V
2592.99	-19.28	4.36	6.55	36.26	19.17	33.01	-13.84	V
2670.00	-19.62	4.51	6.37	36.54	18.78	33.01	-14.23	V

NR TDD Band 41_Channel Bandwidth 50MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2521.02	-19.16	4.32	6.8	36.13	19.45	33.01	-13.56	V
2592.99	-19.64	4.36	6.55	36.26	18.81	33.01	-14.20	V
2664.99	-19.02	4.51	6.37	36.54	19.38	33.01	-13.63	V

NR TDD Band 41_Channel Bandwidth 60MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2526.00	-19.52	4.32	6.8	36.13	19.09	33.01	-13.92	V
2592.99	-18.96	4.36	6.55	36.26	19.49	33.01	-13.52	V
2659.98	-19.72	4.51	6.37	36.54	18.68	33.01	-14.33	V

NR TDD Band 41_Channel Bandwidth 70MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2531.01	-19.12	4.32	6.8	36.13	19.49	33.01	-13.52	V
2592.99	-19.18	4.36	6.55	36.26	19.27	33.01	-13.74	V
2655.00	-19.24	4.51	6.37	36.54	19.16	33.01	-13.85	V

NR TDD Band 41_Channel Bandwidth 80MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2536.02	-18.30	4.32	6.8	36.13	20.31	33.01	-12.70	V
2592.99	-18.33	4.36	6.55	36.26	20.12	33.01	-12.89	V
2649.99	-18.21	4.51	6.37	36.54	20.19	33.01	-12.82	V

NR TDD Band 41_Channel Bandwidth 90MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2541.00	-18.90	4.32	6.8	36.13	19.71	33.01	-13.30	V
2592.99	-18.88	4.36	6.55	36.26	19.57	33.01	-13.44	V
2644.98	-18.30	4.51	6.37	36.54	20.10	33.01	-12.91	V

NR TDD Band 41_Channel Bandwidth 100MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2546.01	-18.87	4.32	6.8	36.13	19.74	33.01	-13.27	V
2592.99	-18.15	4.36	6.55	36.26	20.30	33.01	-12.71	V
2640	-18.12	4.51	6.37	36.54	20.28	33.01	-12.73	V

NR TDD Band 41_Channel Bandwidth 10MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2501.01	-18.01	4.32	6.8	36.13	20.60	33.01	-12.41	V
2592.99	-18.79	4.36	6.55	36.26	19.66	33.01	-13.35	V
2685.00	-18.69	4.51	6.37	36.54	19.71	33.01	-13.30	V

NR TDD Band 41_Channel Bandwidth 15MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2503.50	-19.57	4.32	6.8	36.13	19.04	33.01	-13.97	V
2592.99	-19.36	4.36	6.55	36.26	19.09	33.01	-13.92	V
2682.48	-19.43	4.51	6.37	36.54	18.97	33.01	-14.04	V

NR TDD Band 41_Channel Bandwidth 20MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2506.02	-19.14	4.32	6.8	36.13	19.47	33.01	-13.54	V
2592.99	-19.31	4.36	6.55	36.26	19.14	33.01	-13.87	V
2679.99	-18.97	4.51	6.37	36.54	19.43	33.01	-13.58	V

NR TDD Band 41_Channel Bandwidth 30MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2511.00	-19.35	4.32	6.8	36.13	19.26	33.01	-13.75	V
2592.99	-19.55	4.36	6.55	36.26	18.90	33.01	-14.11	V
2674.98	-19.53	4.51	6.37	36.54	18.87	33.01	-14.14	V

NR TDD Band 41_Channel Bandwidth 40MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2516.01	-19.21	4.32	6.8	36.13	19.40	33.01	-13.61	V
2592.99	-19.14	4.36	6.55	36.26	19.31	33.01	-13.70	V
2670.00	-19.51	4.51	6.37	36.54	18.89	33.01	-14.12	V

NR TDD Band 41_Channel Bandwidth 50MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2521.02	-18.12	4.32	6.8	36.13	20.49	33.01	-12.52	V
2592.99	-18.64	4.36	6.55	36.26	19.81	33.01	-13.20	V
2664.99	-18.70	4.51	6.37	36.54	19.70	33.01	-13.31	V

NR TDD Band 41_Channel Bandwidth 60MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2526.00	-18.52	4.32	6.8	36.13	20.09	33.01	-12.92	V
2592.99	-18.96	4.36	6.55	36.26	19.49	33.01	-13.52	V
2659.98	-18.82	4.51	6.37	36.54	19.58	33.01	-13.43	V

NR TDD Band 41_Channel Bandwidth 70MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2531.01	-18.23	4.32	6.8	36.13	20.38	33.01	-12.63	V
2592.99	-18.11	4.36	6.55	36.26	20.34	33.01	-12.67	V
2655.00	-18.47	4.51	6.37	36.54	19.93	33.01	-13.08	V

NR TDD Band 41_Channel Bandwidth 80MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2536.02	-18.55	4.32	6.8	36.13	20.06	33.01	-12.95	V
2592.99	-18.48	4.36	6.55	36.26	19.97	33.01	-13.04	V
2649.99	-18.99	4.51	6.37	36.54	19.41	33.01	-13.60	V

NR TDD Band 41_Channel Bandwidth 90MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2541.00	-19.22	4.32	6.8	36.13	19.39	33.01	-13.62	V
2592.99	-19.45	4.36	6.55	36.26	19.00	33.01	-14.01	V
2644.98	-19.01	4.51	6.37	36.54	19.39	33.01	-13.62	V

NR TDD Band 41_Channel Bandwidth 100MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
2546.01	-19.28	4.32	6.8	36.13	19.33	33.01	-13.68	V
2592.99	-19.68	4.36	6.55	36.26	18.77	33.01	-14.24	V
2640	-19.30	4.51	6.37	36.54	19.10	33.01	-13.91	V

NR FDD Band 66_Channel Bandwidth 5MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1712.5	-18.63	3.93	9.05	34.96	21.45	30.00	-8.55	V
1745.0	-18.62	3.93	8.89	35.01	21.35	30.00	-8.65	V
1777.5	-19.06	3.94	8.76	35.08	20.84	30.00	-9.16	V

NR FDD Band 66_Channel Bandwidth 10MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1715.0	-19.26	3.93	9.05	34.96	20.82	30.00	-9.18	V
1745.0	-19.24	3.93	8.89	35.01	20.73	30.00	-9.27	V
1775.0	-18.92	3.94	8.76	35.08	20.98	30.00	-9.02	V

NR FDD Band 66_Channel Bandwidth 15MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1717.5	-18.65	3.93	9.05	34.96	21.43	30.00	-8.57	V
1745.0	-18.90	3.93	8.89	35.01	21.07	30.00	-8.93	V
1772.5	-18.83	3.94	8.76	35.08	21.07	30.00	-8.93	V

NR FDD Band 66_Channel Bandwidth 20MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1720.0	-19.67	3.93	9.05	34.96	20.41	30.00	-9.59	V
1745.0	-19.05	3.93	8.89	35.01	20.92	30.00	-9.08	V
1770.0	-19.49	3.94	8.76	35.08	20.41	30.00	-9.59	V

NR FDD Band 66_Channel Bandwidth 25MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1722.5	-19.00	3.93	9.05	34.96	21.08	30.00	-8.92	V
1745.0	-18.69	3.93	8.89	35.01	21.28	30.00	-8.72	V
1767.5	-18.67	3.94	8.76	35.08	21.23	30.00	-8.77	V

NR FDD Band 66_Channel Bandwidth 30MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1725.0	-19.78	3.93	9.05	34.96	20.30	30.00	-9.70	V
1745.0	-19.14	3.93	8.89	35.01	20.83	30.00	-9.17	V
1765.0	-19.12	3.94	8.76	35.08	20.78	30.00	-9.22	V

NR FDD Band 66_Channel Bandwidth 40MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1730.0	-19.15	3.93	9.05	34.96	20.93	30.00	-9.07	V
1745.0	-19.51	3.93	8.89	35.01	20.46	30.00	-9.54	V
1760.0	-19.06	3.94	8.76	35.08	20.84	30.00	-9.16	V

NR FDD Band 66_Channel Bandwidth 5MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1712.5	-19.35	3.93	9.05	34.96	20.73	30.00	-9.27	V
1745.0	-19.36	3.93	8.89	35.01	20.61	30.00	-9.39	V
1777.5	-18.97	3.94	8.76	35.08	20.93	30.00	-9.07	V

NR FDD Band 66_Channel Bandwidth 10MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1715.0	-19.34	3.93	9.05	34.96	20.74	30.00	-9.26	V
1745.0	-18.94	3.93	8.89	35.01	21.03	30.00	-8.97	V
1775.0	-19.86	3.94	8.76	35.08	20.04	30.00	-9.96	V

NR FDD Band 66_Channel Bandwidth 15MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1717.5	-19.18	3.93	9.05	34.96	20.90	30.00	-9.10	V
1745.0	-18.92	3.93	8.89	35.01	21.05	30.00	-8.95	V
1772.5	-18.67	3.94	8.76	35.08	21.23	30.00	-8.77	V

NR FDD Band 66_Channel Bandwidth 20MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1720.0	-19.76	3.93	9.05	34.96	20.32	30.00	-9.68	V
1745.0	-19.50	3.93	8.89	35.01	20.47	30.00	-9.53	V
1770.0	-19.36	3.94	8.76	35.08	20.54	30.00	-9.46	V

NR FDD Band 66_Channel Bandwidth 25MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1722.5	-18.80	3.93	9.05	34.96	21.28	30.00	-8.72	V
1745.0	-18.65	3.93	8.89	35.01	21.32	30.00	-8.68	V
1767.5	-18.98	3.94	8.76	35.08	20.92	30.00	-9.08	V

NR FDD Band 66_Channel Bandwidth 30MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1725.0	-18.93	3.93	9.05	34.96	21.15	30.00	-8.85	V
1745.0	-19.05	3.93	8.89	35.01	20.92	30.00	-9.08	V
1765.0	-18.86	3.94	8.76	35.08	21.04	30.00	-8.96	V

NR FDD Band 66_Channel Bandwidth 40MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1730.0	-19.46	3.93	9.05	34.96	20.62	30.00	-9.38	V
1745.0	-19.10	3.93	8.89	35.01	20.87	30.00	-9.13	V
1760.0	-19.49	3.94	8.76	35.08	20.41	30.00	-9.59	V

NR FDD Band 71_Channel Bandwidth 5MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
665.5	-16.18	3.45	8.45	2.15	33.52	20.19	34.77	-14.58	V
680.5	-16.06	3.49	8.45	2.15	33.52	20.27	34.77	-14.50	V
695.5	-15.60	3.55	8.36	2.15	33.52	20.58	34.77	-14.19	V

NR FDD Band 71_Channel Bandwidth 10MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
668.0	-15.59	3.45	8.45	2.15	33.52	20.78	34.77	-13.99	V
680.5	-15.79	3.49	8.45	2.15	33.52	20.54	34.77	-14.23	V
693.0	-16.20	3.55	8.36	2.15	33.52	19.98	34.77	-14.79	V

NR FDD Band 71_Channel Bandwidth 15MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
670.5	-16.01	3.45	8.45	2.15	33.52	20.36	34.77	-14.41	V
680.5	-15.54	3.49	8.45	2.15	33.52	20.79	34.77	-13.98	V
690.5	-15.84	3.55	8.36	2.15	33.52	20.34	34.77	-14.43	V

NR FDD Band 71_Channel Bandwidth 20MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
673.0	-15.56	3.45	8.45	2.15	33.52	20.81	34.77	-13.96	V
680.5	-15.87	3.49	8.45	2.15	33.52	20.46	34.77	-14.31	V
688.0	-16.01	3.55	8.36	2.15	33.52	20.17	34.77	-14.60	V

NR FDD Band 71_Channel Bandwidth 5MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
665.5	-16.14	3.45	8.45	2.15	33.52	20.23	34.77	-14.54	V
680.5	-15.83	3.49	8.45	2.15	33.52	20.50	34.77	-14.27	V
695.5	-16.13	3.55	8.36	2.15	33.52	20.05	34.77	-14.72	V

NR FDD Band 71_Channel Bandwidth 10MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
668.0	-15.70	3.45	8.45	2.15	33.52	20.67	34.77	-14.10	V
680.5	-16.41	3.49	8.45	2.15	33.52	19.92	34.77	-14.85	V
693.0	-16.03	3.55	8.36	2.15	33.52	20.15	34.77	-14.62	V

NR FDD Band 71_Channel Bandwidth 15MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
670.5	-15.93	3.45	8.45	2.15	33.52	20.44	34.77	-14.33	V
680.5	-16.17	3.49	8.45	2.15	33.52	20.16	34.77	-14.61	V
690.5	-16.36	3.55	8.36	2.15	33.52	19.82	34.77	-14.95	V

NR FDD Band 71_Channel Bandwidth 20MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	Correction (dB)	P_{Ag} (dB)	Peak ERP (dBm)	Limit (dBm)	Margin (dB)	Polarization
673.0	-15.56	3.45	8.45	2.15	33.52	20.81	34.77	-13.96	V
680.5	-16.00	3.49	8.45	2.15	33.52	20.33	34.77	-14.44	V
688.0	-16.38	3.55	8.36	2.15	33.52	19.80	34.77	-14.97	V

NR TDD Band 77(3450-3550 MHz)_Channel Bandwidth 20MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3460.02	-18.84	4.62	7.42	37.02	20.98	30.00	-9.02	V
3499.98	-19.46	4.68	7.52	37.21	20.59	30.00	-9.41	V
3540.00	-18.69	4.71	7.61	37.25	21.46	30.00	-8.54	V

NR TDD Band 77(3450-3550 MHz)_Channel Bandwidth 50MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3475.02	-19.01	4.62	7.42	37.02	20.81	30.00	-9.19	V
3499.98	-19.89	4.68	7.52	37.21	20.16	30.00	-9.84	V
3525.00	-19.19	4.71	7.61	37.25	20.96	30.00	-9.04	V

NR TDD Band 77(3450-3550 MHz)_Channel Bandwidth 100MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3499.98	-18.83	4.68	7.52	37.21	21.22	30.00	-8.78	V

NR TDD Band 77(3450-3550 MHz)_Channel Bandwidth 20MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3460.02	-19.02	4.62	7.42	37.02	20.80	30.00	-9.20	V
3499.98	-19.09	4.68	7.52	37.21	20.96	30.00	-9.04	V
3540.00	-19.87	4.71	7.61	37.25	20.28	30.00	-9.72	V

NR TDD Band 77(3450-3550 MHz)_Channel Bandwidth 50MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3475.02	-18.65	4.62	7.42	37.02	21.17	30.00	-8.83	V
3499.98	-18.74	4.68	7.52	37.21	21.31	30.00	-8.69	V
3525.00	-18.79	4.71	7.61	37.25	21.36	30.00	-8.64	V

NR TDD Band 77(3450-3550 MHz)_Channel Bandwidth 100MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3499.98	-19.28	4.68	7.52	37.21	20.77	30.00	-9.23	V

NR TDD Band 77(3700-3980 MHz)_Channel Bandwidth 20MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3710.01	-19.01	4.71	7.68	37.32	21.28	30.00	-8.72	V
3840.00	-18.86	4.74	7.71	37.36	21.47	30.00	-8.53	V
3969.99	-19.28	4.77	7.74	37.46	21.15	30.00	-8.85	V

NR TDD Band 77(3700-3980 MHz)_Channel Bandwidth 50MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3725.01	-19.43	4.71	7.68	37.32	20.86	30.00	-9.14	V
3840.00	-19.37	4.74	7.71	37.36	20.96	30.00	-9.04	V
3954.99	-19.45	4.77	7.74	37.46	20.98	30.00	-9.02	V

NR TDD Band 77(3700-3980 MHz)_Channel Bandwidth 100MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3750	-19.21	4.71	7.68	37.32	21.08	30.00	-8.92	V
3840	-18.92	4.74	7.71	37.36	21.41	30.00	-8.59	V
3930	-18.82	4.77	7.74	37.46	21.61	30.00	-8.39	V

NR TDD Band 77(3700-3980 MHz)_Channel Bandwidth 20MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3710.01	-19.05	4.71	7.68	37.32	21.24	30.00	-8.76	V
3840.00	-18.97	4.74	7.71	37.36	21.36	30.00	-8.64	V
3969.99	-19.24	4.77	7.74	37.46	21.19	30.00	-8.81	V

NR TDD Band 77(3700-3980 MHz)_Channel Bandwidth 50MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3725.01	-19.14	4.71	7.68	37.32	21.15	30.00	-8.85	V
3840.00	-19.40	4.74	7.71	37.36	20.93	30.00	-9.07	V
3954.99	-18.74	4.77	7.74	37.46	21.69	30.00	-8.31	V

NR TDD Band 77(3700-3980 MHz)_Channel Bandwidth 100MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3750	-19.13	4.71	7.68	37.32	21.16	30.00	-8.84	V
3840	-19.79	4.74	7.71	37.36	20.54	30.00	-9.46	V
3930	-19.79	4.77	7.74	37.46	20.64	30.00	-9.36	V

NR TDD Band 78(3450-3550 MHz)_Channel Bandwidth 20MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3460.02	-18.67	4.62	7.42	37.02	21.15	30.00	-8.85	V
3499.98	-18.65	4.68	7.52	37.21	21.40	30.00	-8.60	V
3540.00	-18.93	4.71	7.61	37.25	21.22	30.00	-8.78	V

NR TDD Band 78(3450-3550 MHz)_Channel Bandwidth 50MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3475.02	-19.12	4.62	7.42	37.02	20.70	30.00	-9.30	V
3499.98	-19.15	4.68	7.52	37.21	20.90	30.00	-9.10	V
3525.00	-19.58	4.71	7.61	37.25	20.57	30.00	-9.43	V

NR TDD Band 78(3450-3550 MHz)_Channel Bandwidth 100MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3499.98	-18.51	4.68	7.52	37.21	21.54	30.00	-8.46	V

NR TDD Band 78(3450-3550 MHz)_Channel Bandwidth 20MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3460.02	-18.94	4.62	7.42	37.02	20.88	30.00	-9.12	V
3499.98	-19.35	4.68	7.52	37.21	20.70	30.00	-9.30	V
3540.00	-19.44	4.71	7.61	37.25	20.71	30.00	-9.29	V

NR TDD Band 78(3450-3550 MHz)_Channel Bandwidth 50MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3475.02	-18.97	4.62	7.42	37.02	20.85	30.00	-9.15	V
3499.98	-19.40	4.68	7.52	37.21	20.65	30.00	-9.35	V
3525.00	-18.59	4.71	7.61	37.25	21.56	30.00	-8.44	V

NR TDD Band 78(3450-3550 MHz)_Channel Bandwidth 100MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3499.98	-19.55	4.68	7.52	37.21	20.50	30.00	-9.50	V

NR TDD Band 78(3700-3800 MHz)_Channel Bandwidth 20MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3710.01	-18.80	4.7	7.36	37.08	20.94	30.00	-9.06	V
3750.00	-19.32	4.72	7.45	37.19	20.60	30.00	-9.40	V
3789.99	-19.26	4.75	7.47	37.2	20.66	30.00	-9.34	V

NR TDD Band 78(3700-3800 MHz)_Channel Bandwidth 50MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3725.01	-19.86	4.7	7.36	37.08	19.88	30.00	-10.12	V
3750.00	-19.22	4.72	7.45	37.19	20.70	30.00	-9.30	V
3774.99	-19.01	4.75	7.47	37.2	20.91	30.00	-9.09	V

NR TDD Band 78(3700-3800 MHz)_Channel Bandwidth 100MHz_ DFT-BPSK

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3750	-19.05	4.72	7.45	37.19	20.87	30.00	-9.13	V

NR TDD Band 78(3700-3800 MHz)_Channel Bandwidth 20MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Ag} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3710.01	-19.60	4.7	7.36	37.08	20.14	30.00	-9.86	V
3750.00	-19.00	4.72	7.45	37.19	20.92	30.00	-9.08	V
3789.99	-19.11	4.75	7.47	37.2	20.81	30.00	-9.19	V

NR TDD Band 78(3700-3800 MHz)_Channel Bandwidth 50MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3725.01	-19.17	4.7	7.36	37.08	20.57	30.00	-9.43	V
3750.00	-19.44	4.72	7.45	37.19	20.48	30.00	-9.52	V
3774.99	-18.84	4.75	7.47	37.2	21.08	30.00	-8.92	V

NR TDD Band 78(3700-3800 MHz)_Channel Bandwidth 100MHz_ CP-16QAM

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	G_a Antenna Gain(dB)	P_{Aq} (dB)	Burst Average EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3750	-19.69	4.72	7.45	37.19	20.23	30.00	-9.77	V

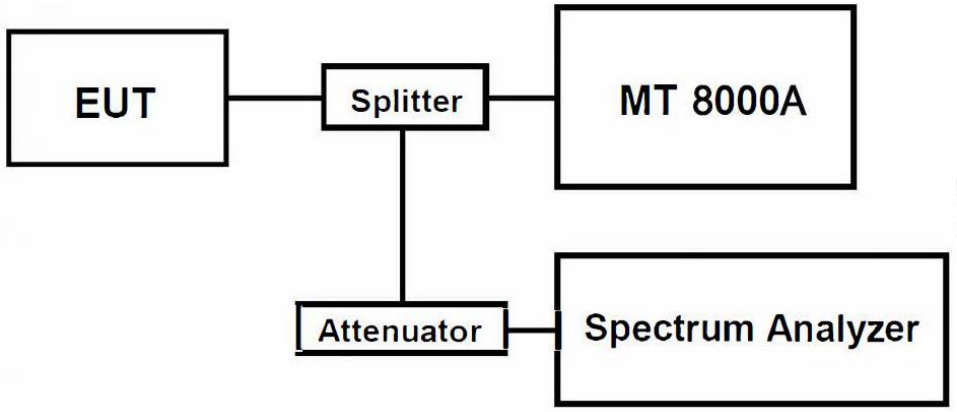
Note: All Modulation were tested and the report only recorded the worst modulation of *DFT-BPSK&CP-16QAM*

4.2 Peak-to-Average Ratio (PAR)

LIMIT

The Peak-to-Average Ratio (PAR) of the transmission may not exceed 13 dB.

TEST CONFIGURATION



TEST PROCEDURE

1. Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
2. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
3. Set the number of counts to a value that stabilizes the measured CCDF curve;
4. Set the measurement interval as follows:
   1). for continuous transmissions, set to 1 ms,
   2). for burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.
5. Record the maximum PAPR level associated with a probability of 0.1%.

TEST RESULTS

Remark:

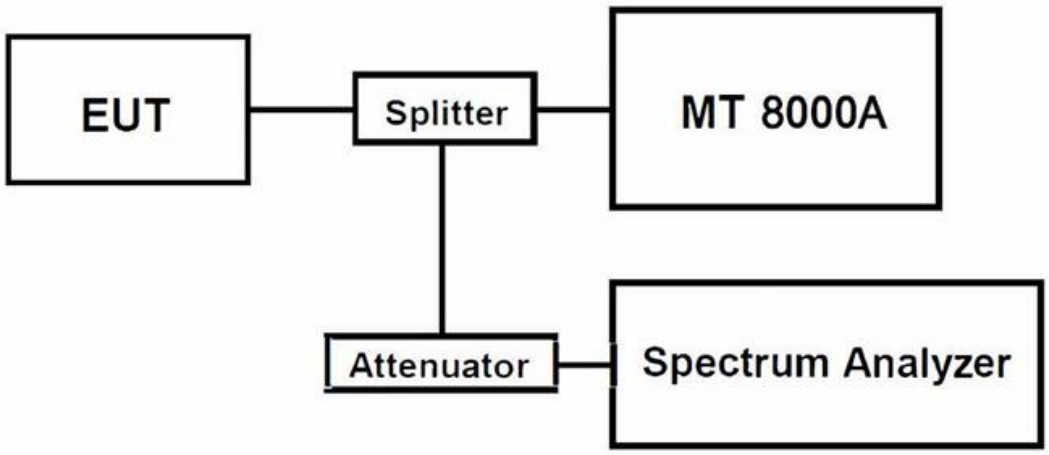
1. *We were tested all RB Configuration refer 3GPP TS138 521 for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78; recorded worst case for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78.*
2. *For NR Band 2, please refer to Appendix_a: Section a.2*
3. *For NR Band 5, please refer to Appendix_b: Section b.2*
4. *For NR Band 7, please refer to Appendix_c: Section c.2*
5. *For NR Band 25, please refer to Appendix_d: Section d.2*
6. *For NR Band 26, please refer to Appendix_e&f: Section e&f.2*
7. *For NR Band 38, please refer to Appendix_g: Section g.2*
8. *For NR Band 41, please refer to Appendix_h: Section h.2*
9. *For NR Band 66, please refer to Appendix_i: Section i.2*
10. *For NR Band 71, please refer to Appendix_j: Section j.2*
11. *NR Band 77, please refer to Appendix_ k&_l: Section k& l.2*
12. *NR Band 78, please refer to Appendix_ m&_n: Section m& n.2*

4.3 Occupied Bandwidth and Emission Bandwidth

LIMIT

N/A

TEST CONFIGURATION



TEST PROCEDURE

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at low, middle and high channel in each band. The -26dBc Emission bandwidth was also measured and recorded.
Set RBW was set to about 1% of emission BW, VBW≥3 times RBW.
-26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.

TEST RESULTS

Remark:

1. *We were tested all RB Configuration refer 3GPP TS138 521 for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78; recorded worst case for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78.*
2. *For NR Band 2, please refer to Appendix_a: Section a.3&4*
3. *For NR Band 5, please refer to Appendix_b: Section b.3&4*
4. *For NR Band 7, please refer to Appendix_c: Section c.3&4*
5. *For NR Band 25, please refer to Appendix_d: Section d.3&4*
6. *For NR Band 26, please refer to Appendix_e&f: Section e&f.3&4*
7. *For NR Band 38, please refer to Appendix_g: Section g.3&4*
8. *For NR Band 41, please refer to Appendix_h: Section h.3&4*
9. *For NR Band 66, please refer to Appendix_i: Section i.3&4*
10. *For NR Band 71, please refer to Appendix_j: Section j.3&4*
11. *NR Band 77, please refer to Appendix_ k&_l: Section k& l.3&4*
12. *NR Band 78, please refer to Appendix_ m&_n: Section m& n.3&4*

4.4 Band Edge compliance

LIMIT

For NR FDD Band 2:Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For NR Band 5:Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For NR Band 7: Per FCC §27.53 (m)(4): For mobile digital stations, the attenuation factor shall be not less than:
○40+10logP dB (−10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge,
○43+10logP dB (−13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge, and
○55+10logP dB (−25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB). [§ 27.53(m)(4)]
In addition, the attenuation factor (fixed limit) shall not be less than:
○43+10logP dB on all frequencies between 2490.5 MHz and 2496 MHz, and
○55+10logP dB at or below 2490.5 MHz. [§ 27.53(m)(4)]

For LTE FDD Band 25:Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For LTE FDD Band 26: Per FCC §90.669 the power of any emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) decibels or 80 decibels, whichever is the lesser attenuation.
Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For NR Band 38: Per FCC §27.53 (m)(4): For mobile digital stations, the attenuation factor shall be not less than:
○40+10logP dB (−10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge,
○43+10logP dB (−13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge, and
○55+10logP dB (−25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB). [§ 27.53(m)(4)]
In addition, the attenuation factor (fixed limit) shall not be less than:
○43+10logP dB on all frequencies between 2490.5 MHz and 2496 MHz, and
○55+10logP dB at or below 2490.5 MHz. [§ 27.53(m)(4)]

For NR Band 41: Per §27.53 (m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.
(m)(4) For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the

actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.Show citation box.

For LTE FDD Band 66: Per §27.53(h): For operations in the 1710–1780 MHz and 2110–2200 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) dB.

For LTE FDD Band 71: Per §27.53(g):For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

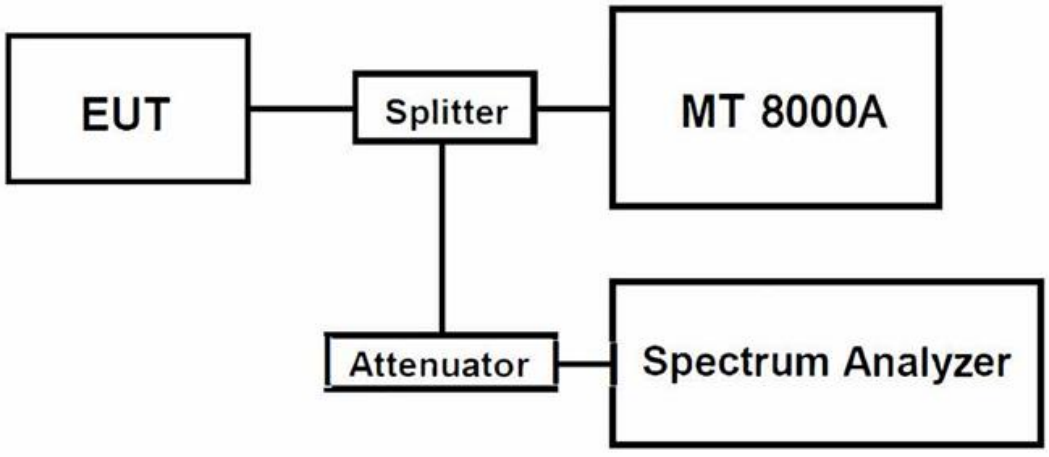
For NR Band 77: FCC § 27.53(l) (2) *For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.*

FCC § 27.53(n) (2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

For NR Band 78: FCC § 27.53(l) (2) For mobile operations in the 3700-3800 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

FCC § 27.53(n) (2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

TEST CONFIGURATION



TEST PROCEDURE

1. The transmitter output port was connected to base station.
2. The RF output of EUT was connected to the power meter by RF cable and attenuator, the path loss was compensated to the results for each measurement.
3. Set EUT at maximum power through base station.
4. Select lowestand highest channels for each band and different modulation.
5. Measure Band edge using RMS (Average) detector by spectrum

TEST RESULTS

Remark:

1. *We were tested all RB Configuration refer 3GPP TS138 521 for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78; recorded worst case for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78.*
2. *For NR Band 2, please refer to Appendix_a: Section a.5*
3. *For NR Band 5, please refer to Appendix_b: Section b.5*
4. *For NR Band 7, please refer to Appendix_c: Section c.5*
5. *For NR Band 25, please refer to Appendix_d: Section d.5*
6. *For NR Band 26, please refer to Appendix_e&f: Section e&f.5*
7. *For NR Band 38, please refer to Appendix_g: Section g.5*
8. *For NR Band 41, please refer to Appendix_h: Section h.5*
9. *For NR Band 66, please refer to Appendix_i: Section i.5*
10. *For NR Band 71, please refer to Appendix_j: Section j.5*
11. *NR Band 77, please refer to Appendix_ k&_l: Section k& l.5*
12. *NR Band 78, please refer to Appendix_ m&_n: Section m& n.5*

4.5 Spurious Emssion on Antenna Port

LIMIT

For NR FDD Band 2:Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For NR Band 5:Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For NR Band 7: Per FCC §27.53 (m)(4): For mobile digital stations, the attenuation factor shall be not less than:
○40+10logP dB (−10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge,
○43+10logP dB (−13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge, and
○55+10logP dB (−25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB). [§ 27.53(m)(4)]
In addition, the attenuation factor (fixed limit) shall not be less than:
○43+10logP dB on all frequencies between 2490.5 MHz and 2496 MHz, and
○55+10logP dB at or below 2490.5 MHz. [§ 27.53(m)(4)]

For LTE FDD Band 25:Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For LTE FDD Band 26: Per FCC §90.669 the power of any emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) decibels or 80 decibels, whichever is the lesser attenuation.
Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For NR Band 38: Per FCC §27.53 (m)(4): For mobile digital stations, the attenuation factor shall be not less than:
○40+10logP dB (−10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge,
○43+10logP dB (−13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge, and
○55+10logP dB (−25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB). [§ 27.53(m)(4)]
In addition, the attenuation factor (fixed limit) shall not be less than:
○43+10logP dB on all frequencies between 2490.5 MHz and 2496 MHz, and
○55+10logP dB at or below 2490.5 MHz. [§ 27.53(m)(4)]

For NR Band 41: Per §27.53 (m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.
(m)(4) For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the

actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.Show citation box.

For LTE FDD Band 66: Per §27.53(h): For operations in the 1710–1780 MHz and 2110–2200 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) dB.

For LTE FDD Band 71: Per §27.53(g):For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

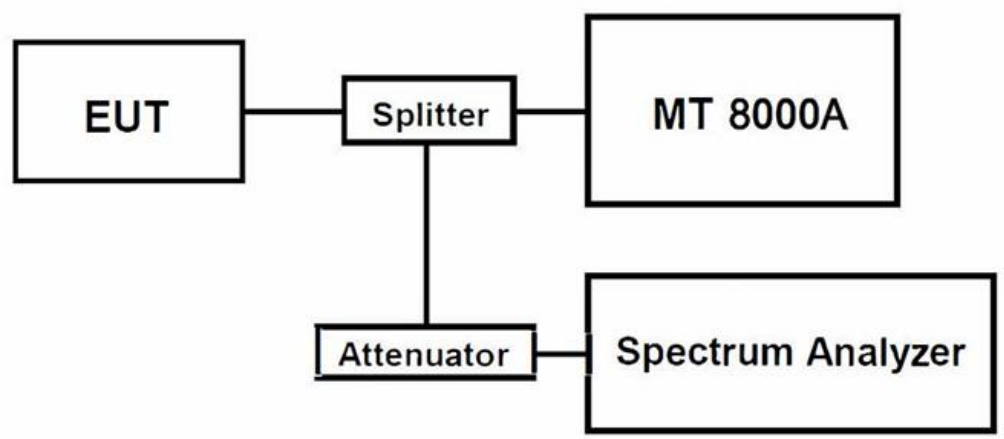
For NR Band 77: FCC § 27.53(l) (2) *For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.*

FCC § 27.53(n) (2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

For NR Band 78: FCC § 27.53(l) (2) For mobile operations in the 3700-3800 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

FCC § 27.53(n) (2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

TEST CONFIGURATION



TEST PROCEDURE

The EUT was setup according to TIA-603-E

a. Place the EUT on a bench and set it in transmitting mode.
b. Connect a low loss RF cable from the antenna port to a spectrum analyzer and CMW 500 by a Directional Couple.
c. EUT Communicate with CMW 500, then select a channel for testing.
d. Add a correction factor to the display of spectrum, and then test.
e. The resolution bandwidth of the spectrum analyzer was setsufficient scans were taken to show the out of band Emission if any up to10^{th} harmonic.
f. Please refer to following tables for test antenna conducted emissions.

Working Frequency	Sub range (GHz)	RBW	VBW	Sweep time (s)
NR Band 2	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100 MHz	300 MHz	Auto
	1~20	1 MHz	1 MHz	Auto
NR Band 5	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~10	1 MHz	3MHz	Auto
NR Band 7	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~26	1 MHz	3 MHz	Auto
NR Band 25	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~20	1 MHz	3 MHz	Auto
NR Band 26	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~10	1 MHz	3 MHz	Auto
NR Band 38	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~26.5	1 MHz	3 MHz	Auto
NR Band 41	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~26.5	1 MHz	3 MHz	Auto
NR Band 66	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~20	1 MHz	3 MHz	Auto
NR Band 71	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~10	1 MHz	3 MHz	Auto
NR Band 77	0.00009~0.15	1KHz	3KHz	Auto
	0.00015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~40	1 MHz	3 MHz	Auto
NR Band 78	0.00009~0.15	1KHz	3KHz	Auto
	0.00015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~38	1 MHz	3 MHz	Auto

TEST RESULTS

Remark:

1. *We were tested all RB Configuration refer 3GPP TS138 521 for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78; recorded worst case for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78.*
2. *For NR Band 2, please refer to Appendix_a: Section a.6*
3. *For NR Band 5, please refer to Appendix_b: Section b.6*
4. *For NR Band 7, please refer to Appendix_c: Section c.6*
5. *For NR Band 25, please refer to Appendix_d: Section d.6*
6. *For NR Band 26, please refer to Appendix_e&f: Section e&f.6*
7. *For NR Band 38, please refer to Appendix_g: Section g.6*
8. *For NR Band 41, please refer to Appendix_h: Section h.6*
9. *For NR Band 66, please refer to Appendix_i: Section i.6*
10. *For NR Band 71, please refer to Appendix_j: Section j.6*
11. *NR Band 77, please refer to Appendix_ k&_l: Section k& l.6*
12. *NR Band 78, please refer to Appendix_ m&_n: Section m& n.6*

4.6 Radiated Spurious Emssion

LIMIT

For NR FDD Band 2:Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For NR Band 5:Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For NR Band 7: Per FCC §27.53 (m)(4): For mobile digital stations, the attenuation factor shall be not less than:
○40+10logP dB (−10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge,
○43+10logP dB (−13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge, and
○55+10logP dB (−25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB). [§ 27.53(m)(4)]
In addition, the attenuation factor (fixed limit) shall not be less than:
○43+10logP dB on all frequencies between 2490.5 MHz and 2496 MHz, and
○55+10logP dB at or below 2490.5 MHz. [§ 27.53(m)(4)]

For LTE FDD Band 25:Per FCC §24.238 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For LTE FDD Band 26: Per FCC §90.669 the power of any emission shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) decibels or 80 decibels, whichever is the lesser attenuation.
Per FCC §22.917 the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10log(P) dB.

For NR Band 38: Per FCC §27.53 (m)(4): For mobile digital stations, the attenuation factor shall be not less than:
○40+10logP dB (−10 dBm, 100 nW) on all frequencies between the channel edge and 5 MHz from the channel edge,
○43+10logP dB (−13 dBm, 50 nW) on all frequencies between 5 MHz and X MHz from the channel edge, and
○55+10logP dB (−25 dBm, 3 nW) on all frequencies more than X MHz from the channel edge, where X is the greater of 6 MHz or the actual emission bandwidth (26 dB). [§ 27.53(m)(4)]
In addition, the attenuation factor (fixed limit) shall not be less than:
○43+10logP dB on all frequencies between 2490.5 MHz and 2496 MHz, and
○55+10logP dB at or below 2490.5 MHz. [§ 27.53(m)(4)]

For NR Band 41: Per §27.53 (m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.
(m)(4) For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the

actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.Show citation box.

For LTE FDD Band 66: Per §27.53(h): For operations in the 1710–1780 MHz and 2110–2200 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 + 10 log10(P) dB.

For LTE FDD Band 71: Per §27.53(g):For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

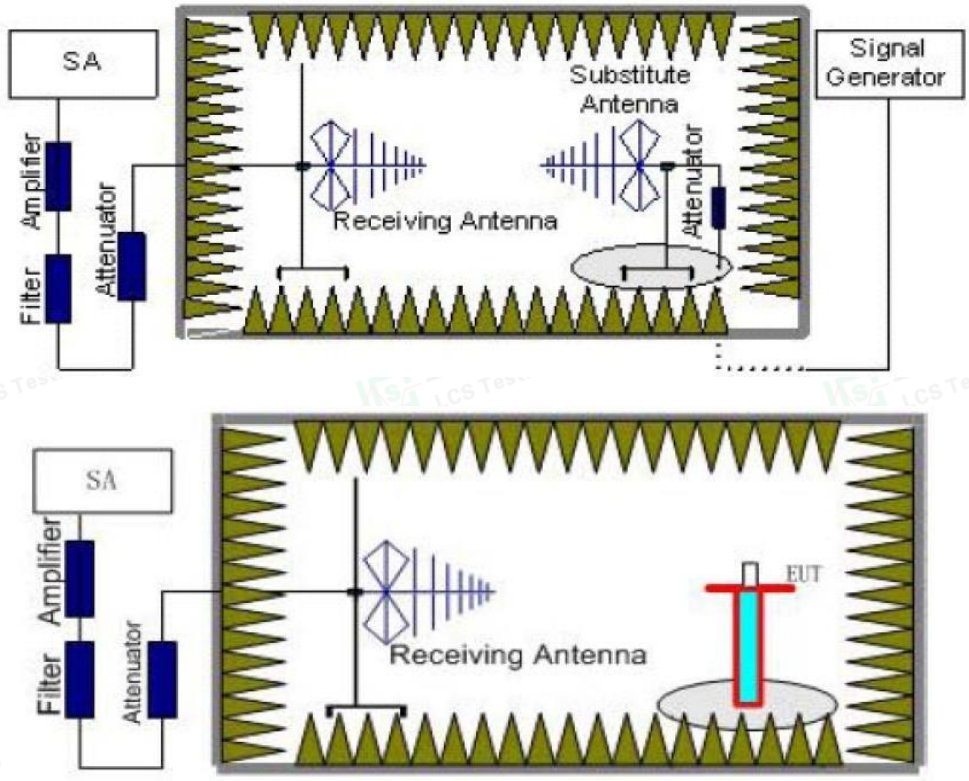
For NR Band 77: FCC § 27.53(l) (2) *For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.*

FCC § 27.53(n) (2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

For NR Band 78: FCC § 27.53(l) (2) For mobile operations in the 3700-3800 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

FCC § 27.53(n) (2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

TEST CONFIGURATION



TEST PROCEDURE

1. EUT was placed on a 1.50 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.50m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
3. The EUT is then put into continuously transmitting mode at its maximum power level during the test.Set Test Receiver or Spectrum RBW=1MHz,VBW=3MHz, And the maximum value of the receiver should be recorded as (P_r).
4. The EUT shall be replaced by a substitution antenna.In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
5. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (P_{cl}) ,the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test.
   The measurement results are obtained as described below:
   Power(EIRP)=P_{Mea}+ P_{Ag} - P_{cl} + G_a
6. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
7. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP -2.15dBi.
8. In order to make sure test results more clearly,we set frequency range and sweep time for difference frequency range as follows table:

Working Frequency	Sub range (GHz)	RBW	VBW	Sweep time (s)
NR Band 2	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100 MHz	300 MHz	Auto
	1~20	1 MHz	1 MHz	Auto
NR Band 5	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~10	1 MHz	3MHz	Auto
NR Band 7	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~26	1 MHz	3 MHz	Auto
NR Band 25	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~20	1 MHz	3 MHz	Auto
NR Band 26	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~10	1 MHz	3 MHz	Auto
NR Band 38	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto

	1~26.5	1 MHz	3 MHz	Auto
NR Band 41	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~26.5	1 MHz	3 MHz	Auto
NR Band 66	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~20	1 MHz	3 MHz	Auto
NR Band 71	0.000009~0.000015	1KHz	3KHz	Auto
	0.000015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~10	1 MHz	3 MHz	Auto
NR Band 77	0.00009~0.15	1KHz	3KHz	Auto
	0.00015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~40	1 MHz	3 MHz	Auto
NR Band 78	0.00009~0.15	1KHz	3KHz	Auto
	0.00015~0.03	10KHz	30KHz	Auto
	0.03~1	100KHz	300KHz	Auto
	1~38	1 MHz	3 MHz	Auto

Frequency	Channel	Frequency Range	Verdict
NR Band 2	Low	9KHz -20GHz	PASS
	Middle	9KHz -20GHz	PASS
	High	9KHz -20GHz	PASS
NR Band 5	Low	9KHz -9GHz	PASS
	Middle	9KHz -9GHz	PASS
	High	9KHz -9GHz	PASS
NR Band 7	Low	9KHz -26GHz	PASS
	Middle	9KHz -26GHz	PASS
	High	9KHz -26GHz	PASS
NR Band 25	Low	9KHz -20GHz	PASS
	Middle	9KHz -20GHz	PASS
	High	9KHz -20GHz	PASS
NR Band 26	Low	9KHz -8GHz	PASS
	Middle	9KHz -8GHz	PASS
	High	9KHz -8GHz	PASS
NR Band 38	Low	9KHz -26GHz	PASS
	Middle	9KHz -26GHz	PASS
	High	9KHz -26GHz	PASS
NR Band 41	Low	9KHz -26GHz	PASS
	Middle	9KHz -26GHz	PASS
	High	9KHz -26GHz	PASS
NR Band 66	Low	9KHz -18GHz	PASS
	Middle	9KHz -18GHz	PASS
	High	9KHz -18GHz	PASS
NR Band 71	Low	9KHz -7GHz	PASS
	Middle	9KHz -7GHz	PASS
	High	9KHz -7GHz	PASS
NR Band 77	Low	9KHz -40GHz	PASS
	Middle	9KHz -40GHz	PASS
	High	9KHz -40GHz	PASS
NR Band 78	Low	9KHz -38GHz	PASS
	Middle	9KHz -38GHz	PASS
	High	9KHz -38GHz	PASS

TEST RESULTS

Remark:
1. We were tested all RB Configuration refer 3GPP TS138 521 for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78; recorded worst case for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78.
3. We were not recorded other points as values lower than limits.
4. Power(EIRP)=P_{Mea}+ P_{Ag} - P_{cl} + G_a
5. Margin = EIRP - Limit

NR Band 2_Channel Bandwidth 40MHz_DFT-BPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3740.00	-37.75	5.26	3.00	9.88	-33.13	-13.00	-20.13	H
5610.00	-44.07	6.11	3.00	11.36	-38.82	-13.00	-25.82	H
3740.00	-31.70	5.26	3.00	9.88	-27.08	-13.00	-14.08	V
5610.00	-35.52	6.11	3.00	11.36	-30.27	-13.00	-17.27	V

NR Band 2_Channel Bandwidth 40MHz_DFT-BPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.00	-38.71	5.32	3.00	10.03	-34.00	-13.00	-21.00	H
5640.00	-44.90	6.19	3.00	11.41	-39.68	-13.00	-26.68	H
3760.00	-30.60	5.32	3.00	10.03	-25.89	-13.00	-12.89	V
5640.00	-36.72	6.19	3.00	11.41	-31.50	-13.00	-18.50	V

NR Band 2_Channel Bandwidth 40MHz_DFT-BPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3780.00	-37.95	5.36	3.00	9.62	-33.69	-13.00	-20.69	H
5670.00	-46.79	6.24	3.00	11.46	-41.57	-13.00	-28.57	H
3780.00	-29.96	5.36	3.00	9.62	-25.70	-13.00	-12.70	V
5670.00	-34.17	6.24	3.00	11.46	-28.95	-13.00	-15.95	V

NR Band 2_Channel Bandwidth 40MHz_CP-16QAM_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3740.00	-37.19	5.26	3.00	9.88	-32.57	-13.00	-19.57	H
5610.00	-45.10	6.11	3.00	11.36	-39.85	-13.00	-26.85	H
3740.00	-30.07	5.26	3.00	9.88	-25.45	-13.00	-12.45	V
5610.00	-33.69	6.11	3.00	11.36	-28.44	-13.00	-15.44	V

NR Band 2_Channel Bandwidth 40MHz_CP-16QAM_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3760.00	-39.54	5.32	3.00	10.03	-34.83	-13.00	-21.83	H
5640.00	-43.43	6.19	3.00	11.41	-38.21	-13.00	-25.21	H
3760.00	-31.21	5.32	3.00	10.03	-26.50	-13.00	-13.50	V
5640.00	-34.43	6.19	3.00	11.41	-29.21	-13.00	-16.21	V

NR Band 2_Channel Bandwidth 40MHz_CP-16QAM_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3780.00	-39.50	5.36	3.00	9.62	-35.24	-13.00	-22.24	H
5670.00	-44.43	6.24	3.00	11.46	-39.21	-13.00	-26.21	H
3780.00	-30.89	5.36	3.00	9.62	-26.63	-13.00	-13.63	V
5670.00	-36.39	6.24	3.00	11.46	-31.17	-13.00	-18.17	V

NR Band 5_Channel Bandwidth 20MHz_ DFT-BPSK _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1668.00	-38.88	3.86	3.00	8.56	-34.18	-13.00	-21.18	H
2502.00	-45.21	4.29	3.00	6.98	-42.52	-13.00	-29.52	H
1668.00	-36.69	3.86	3.00	8.56	-31.99	-13.00	-18.99	V
2502.00	-37.91	4.29	3.00	6.98	-35.22	-13.00	-22.22	V

NR Band 5_Channel Bandwidth 20MHz_ DFT-BPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-41.66	3.89	3.00	8.62	-36.93	-13.00	-23.93	H
2509.50	-46.74	4.31	3.00	6.87	-44.18	-13.00	-31.18	H
1673.00	-36.36	3.86	3.00	8.62	-31.60	-13.00	-18.60	V
2509.50	-37.87	4.29	3.00	6.87	-35.29	-13.00	-22.29	V

NR Band 5_Channel Bandwidth 20MHz_ DFT-BPSK _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1678.00	-38.71	3.92	3.00	8.71	-33.92	-13.00	-20.92	H
2517.00	-46.67	4.35	3.00	6.92	-44.10	-13.00	-31.10	H
1678.00	-33.29	3.92	3.00	8.71	-28.50	-13.00	-15.50	V
2517.00	-36.49	4.35	3.00	6.92	-33.92	-13.00	-20.92	V

NR Band 5_Channel Bandwidth 20MHz_ CP-16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1668.00	-41.11	3.86	3.00	8.56	-36.41	-13.00	-23.41	H
2502.00	-46.55	4.29	3.00	6.98	-43.86	-13.00	-30.86	H
1668.00	-33.27	3.86	3.00	8.56	-28.57	-13.00	-15.57	V
2502.00	-39.41	4.29	3.00	6.98	-36.72	-13.00	-23.72	V

NR Band 5_Channel Bandwidth 20MHz_ CP-16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-41.66	3.89	3.00	8.62	-36.93	-13.00	-23.93	H
2509.50	-44.67	4.31	3.00	6.87	-42.11	-13.00	-29.11	H
1673.00	-36.90	3.86	3.00	8.62	-32.14	-13.00	-19.14	V
2509.50	-37.18	4.29	3.00	6.87	-34.60	-13.00	-21.60	V

NR Band 5_Channel Bandwidth 20MHz_ CP-16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1678.00	-41.65	3.92	3.00	8.71	-36.86	-13.00	-23.86	H
2517.00	-44.25	4.35	3.00	6.92	-41.68	-13.00	-28.68	H
1678.00	-35.72	3.92	3.00	8.71	-30.93	-13.00	-17.93	V
2517.00	-36.17	4.35	3.00	6.92	-33.60	-13.00	-20.60	V

NR Band 7_Channel Bandwidth 50MHz_ DFT-BPSK _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5050.00	-40.05	5.88	3.00	10.78	-35.15	-25.00	-10.15	H
7575.00	-44.23	7.21	3.00	12.31	-39.13	-25.00	-14.13	H
5050.00	-38.67	5.88	3.00	10.78	-33.77	-25.00	-8.77	V
7575.00	-42.17	7.21	3.00	12.31	-37.07	-25.00	-12.07	V

NR Band 7_Channel Bandwidth 50MHz_ DFT-BPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5070.00	-38.91	5.9	3.00	10.81	-34.00	-25.00	-9.00	H
7605.00	-45.24	7.24	3.00	12.35	-40.13	-25.00	-15.13	H
5070.00	-43.79	5.9	3.00	10.81	-38.88	-25.00	-13.88	V
7605.00	-42.46	7.24	3.00	12.35	-37.35	-25.00	-12.35	V

NR Band 7_Channel Bandwidth 50MHz_ DFT-BPSK _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5090.00	-39.01	5.96	3.00	10.95	-34.02	-25.00	-9.02	H
7635.00	-44.92	7.31	3.00	12.41	-39.82	-25.00	-14.82	H
5090.00	-44.72	5.96	3.00	10.95	-39.73	-25.00	-14.73	V
7635.00	-41.78	7.31	3.00	12.41	-36.68	-25.00	-11.68	V

NR Band 7_Channel Bandwidth 50MHz_ CP-16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5050.00	-39.01	5.88	3.00	10.78	-34.11	-25.00	-9.11	H
7575.00	-47.89	7.21	3.00	12.31	-42.79	-25.00	-17.79	H
5050.00	-40.64	5.88	3.00	10.78	-35.74	-25.00	-10.74	V
7575.00	-42.07	7.21	3.00	12.31	-36.97	-25.00	-11.97	V

NR Band 7_Channel Bandwidth 50MHz_ CP-16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5070.00	-39.32	5.9	3.00	10.81	-34.41	-25.00	-9.41	H
7605.00	-45.86	7.24	3.00	12.35	-40.75	-25.00	-15.75	H
5070.00	-42.14	5.9	3.00	10.81	-37.23	-25.00	-12.23	V
7605.00	-45.47	7.24	3.00	12.35	-40.36	-25.00	-15.36	V

NR Band 7_Channel Bandwidth 50MHz_ CP-16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5090.00	-38.17	5.96	3.00	10.95	-33.18	-25.00	-8.18	H
7635.00	-46.49	7.31	3.00	12.41	-41.39	-25.00	-16.39	H
5090.00	-41.59	5.96	3.00	10.95	-36.60	-25.00	-11.60	V
7635.00	-41.58	7.31	3.00	12.41	-36.48	-25.00	-11.48	V

NR Band 25_Channel Bandwidth 40MHz_ DFT-BPSK_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3740.00	-43.23	5.26	3.00	9.88	-38.61	-13.00	-25.61	H
5610.00	-50.13	6.11	3.00	11.36	-44.88	-13.00	-31.88	H
3740.00	-41.34	5.26	3.00	9.88	-36.72	-13.00	-23.72	V
5610.00	-54.60	6.11	3.00	11.36	-49.35	-13.00	-36.35	V

NR Band 25_Channel Bandwidth 40MHz_ DFT-BPSK_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.00	-43.24	5.32	3.00	10.03	-38.53	-13.00	-25.53	H
5647.50	-47.41	6.19	3.00	11.41	-42.19	-13.00	-29.19	H
3765.00	-41.00	5.32	3.00	10.03	-36.29	-13.00	-23.29	V
5647.50	-48.69	6.19	3.00	11.41	-43.47	-13.00	-30.47	V

NR Band 25_Channel Bandwidth 40MHz_ DFT-BPSK_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3790.00	-40.18	5.36	3.00	9.62	-35.92	-13.00	-22.92	H
5685.00	-50.62	6.24	3.00	11.46	-45.40	-13.00	-32.40	H
3790.00	-44.59	5.36	3.00	9.62	-40.33	-13.00	-27.33	V
5685.00	-48.34	6.24	3.00	11.46	-43.12	-13.00	-30.12	V

NR Band 25_Channel Bandwidth 40MHz_ CP-16QAM_ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3740.00	-40.36	5.26	3.00	9.88	-35.74	-13.00	-22.74	H
5610.00	-47.72	6.11	3.00	11.36	-42.47	-13.00	-29.47	H
3740.00	-40.01	5.26	3.00	9.88	-35.39	-13.00	-22.39	V
5610.00	-50.42	6.11	3.00	11.36	-45.17	-13.00	-32.17	V

NR Band 25_Channel Bandwidth 40MHz_ CP-16QAM_ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3765.00	-44.79	5.32	3.00	10.03	-40.08	-13.00	-27.08	H
5647.50	-52.44	6.19	3.00	11.41	-47.22	-13.00	-34.22	H
3765.00	-43.37	5.32	3.00	10.03	-38.66	-13.00	-25.66	V
5647.50	-50.25	6.19	3.00	11.41	-45.03	-13.00	-32.03	V

NR Band 25_Channel Bandwidth 40MHz_ CP-16QAM_ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3790.00	-44.85	5.36	3.00	9.62	-40.59	-13.00	-27.59	H
5685.00	-49.71	6.24	3.00	11.46	-44.49	-13.00	-31.49	H
3790.00	-44.91	5.36	3.00	9.62	-40.65	-13.00	-27.65	V
5685.00	-46.11	6.24	3.00	11.46	-40.89	-13.00	-27.89	V

NR Band 26: 814-824MHz

NR Band 26_Channel Bandwidth 10MHz_ DFT-BPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1638.00	-38.96	3.86	3.00	8.56	-34.26	-13.00	-21.26	H
2457.00	-44.73	4.29	3.00	6.98	-42.04	-13.00	-29.04	H
1638.00	-35.20	3.86	3.00	8.56	-30.50	-13.00	-17.50	V
2457.00	-36.12	4.29	3.00	6.98	-33.43	-13.00	-20.43	V

NR Band 26_Channel Bandwidth 10MHz_ CP-16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1638.00	-40.96	3.90	3.00	8.58	-36.28	-13.00	-23.28	H
2457.00	-46.82	4.32	3.00	6.80	-44.34	-13.00	-31.34	H
1638.00	-36.50	3.90	3.00	8.58	-31.82	-13.00	-18.82	V
2457.00	-38.17	4.32	3.00	6.80	-35.69	-13.00	-22.69	V

NR Band 26: 824-849MHz

NR Band 26_Channel Bandwidth 20MHz_ DFT-BPSK _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1668.00	-38.92	3.86	3.00	8.56	-34.22	-13.00	-21.22	H
2502.00	-47.53	4.29	3.00	6.98	-44.84	-13.00	-31.84	H
1668.00	-34.46	3.86	3.00	8.56	-29.76	-13.00	-16.76	V
2502.00	-38.79	4.29	3.00	6.98	-36.10	-13.00	-23.10	V

NR Band 26_Channel Bandwidth 20MHz_ DFT-BPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-39.08	3.90	3.00	8.58	-34.40	-13.00	-21.40	H
2509.50	-45.45	4.32	3.00	6.80	-42.97	-13.00	-29.97	H
1673.00	-36.96	3.90	3.00	8.58	-32.28	-13.00	-19.28	V
2509.50	-37.98	4.32	3.00	6.80	-35.50	-13.00	-22.50	V

NR Band 26_Channel Bandwidth 20MHz_ DFT-BPSK _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1678.00	-38.84	3.91	3.00	9.06	-33.69	-13.00	-20.69	H
2517.00	-44.65	4.32	3.00	6.65	-42.32	-13.00	-29.32	H
1678.00	-33.46	3.91	3.00	9.06	-28.31	-13.00	-15.31	V
2517.00	-38.12	4.32	3.00	6.65	-35.79	-13.00	-22.79	V

NR Band 26_Channel Bandwidth 20MHz_ CP-16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1668.00	-39.77	3.86	3.00	8.56	-35.07	-13.00	-22.07	H
2502.00	-46.29	4.29	3.00	6.98	-43.60	-13.00	-30.60	H
1668.00	-34.89	3.86	3.00	8.56	-30.19	-13.00	-17.19	V
2502.00	-38.71	4.29	3.00	6.98	-36.02	-13.00	-23.02	V

NR Band 26_Channel Bandwidth 20MHz_ CP-16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1673.00	-41.71	3.90	3.00	8.58	-37.03	-13.00	-24.03	H
2509.50	-47.56	4.32	3.00	6.80	-45.08	-13.00	-32.08	H
1673.00	-35.64	3.90	3.00	8.58	-30.96	-13.00	-17.96	V
2509.50	-37.73	4.32	3.00	6.80	-35.25	-13.00	-22.25	V

NR Band 26_Channel Bandwidth 20MHz_ CP-16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1678.00	-38.73	3.91	3.00	9.06	-33.58	-13.00	-20.58	H
2517.00	-45.51	4.32	3.00	6.65	-43.18	-13.00	-30.18	H
1678.00	-36.86	3.91	3.00	9.06	-31.71	-13.00	-18.71	V
2517.00	-38.19	4.32	3.00	6.65	-35.86	-13.00	-22.86	V

NR Band 38_Channel Bandwidth 40MHz_ DFT-BPSK _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5180.00	-41.82	7.13	3.00	9.74	-39.21	-25.00	-14.21	H
7770.00	-47.55	8.28	3.00	10.46	-45.37	-25.00	-20.37	H
5180.00	-38.90	7.13	3.00	9.74	-36.29	-25.00	-11.29	V
7770.00	-40.70	8.28	3.00	10.46	-38.52	-25.00	-13.52	V

NR Band 38_Channel Bandwidth 40MHz_ DFT-BPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5190.00	-39.68	7.18	3.00	9.78	-37.08	-25.00	-12.08	H
7785.00	-47.18	8.31	3.00	10.52	-44.97	-25.00	-19.97	H
5190.00	-44.14	7.18	3.00	9.78	-41.54	-25.00	-16.54	V
7785.00	-44.51	8.31	3.00	10.52	-42.30	-25.00	-17.30	V

NR Band 38_Channel Bandwidth 40MHz_ DFT-BPSK _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5200.00	-39.77	7.25	3.00	9.82	-37.20	-25.00	-12.20	H
7800.00	-47.25	8.41	3.00	10.61	-45.05	-25.00	-20.05	H
5200.00	-42.32	7.25	3.00	9.82	-39.75	-25.00	-14.75	V
7800.00	-39.62	8.41	3.00	10.61	-37.42	-25.00	-12.42	V

NR Band 38_Channel Bandwidth 40MHz_ CP-16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5180.00	-38.31	7.13	3.00	9.74	-35.70	-25.00	-10.70	H
7770.00	-44.39	8.28	3.00	10.46	-42.21	-25.00	-17.21	H
5180.00	-41.34	7.13	3.00	9.74	-38.73	-25.00	-13.73	V
7770.00	-43.49	8.28	3.00	10.46	-41.31	-25.00	-16.31	V

NR Band 38_Channel Bandwidth 40MHz_ CP-16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5190.00	-39.18	7.18	3.00	9.78	-36.58	-25.00	-11.58	H
7785.00	-44.45	8.31	3.00	10.52	-42.24	-25.00	-17.24	H
5190.00	-42.09	7.18	3.00	9.78	-39.49	-25.00	-14.49	V
7785.00	-42.41	8.31	3.00	10.52	-40.20	-25.00	-15.20	V

NR Band 38_Channel Bandwidth 40MHz_ CP-16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5200.00	-39.76	7.25	3.00	9.82	-37.19	-25.00	-12.19	H
7800.00	-45.34	8.41	3.00	10.61	-43.14	-25.00	-18.14	H
5200.00	-41.75	7.25	3.00	9.82	-39.18	-25.00	-14.18	V
7800.00	-38.20	8.41	3.00	10.61	-36.00	-25.00	-11.00	V

NR Band 41_Channel Bandwidth 100MHz_ DFT-BPSK _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5092.02	-38.25	7.18	3.00	9.76	-35.67	-25.00	-10.67	H
7638.03	-46.78	8.29	3.00	11.34	-43.73	-25.00	-18.73	H
5092.02	-41.03	7.18	3.00	9.76	-38.45	-25.00	-13.45	V
7638.03	-41.12	8.29	3.00	11.34	-38.07	-25.00	-13.07	V

NR Band 41_Channel Bandwidth 100MHz_ DFT-BPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5185.98	-41.01	7.22	3.00	9.81	-38.42	-25.00	-13.42	H
7778.97	-45.07	8.35	3.00	11.44	-41.98	-25.00	-16.98	H
5185.98	-43.07	7.22	3.00	9.81	-40.48	-25.00	-15.48	V
7778.97	-43.81	8.35	3.00	11.44	-40.72	-25.00	-15.72	V

NR Band 41_Channel Bandwidth 100MHz_ DFT-BPSK _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5280.00	-40.97	7.31	3.00	9.86	-38.42	-25.00	-13.42	H
7920.00	-45.73	8.45	3.00	11.49	-42.69	-25.00	-17.69	H
5280.00	-43.65	7.31	3.00	9.86	-41.10	-25.00	-16.10	V
7920.00	-39.10	8.45	3.00	11.49	-36.06	-25.00	-11.06	V

NR Band 41_Channel Bandwidth 100MHz_ CP-16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5092.02	-38.93	7.18	3.00	9.76	-36.35	-25.00	-11.35	H
7638.03	-47.30	8.29	3.00	11.34	-44.25	-25.00	-19.25	H
5092.02	-39.07	7.18	3.00	9.76	-36.49	-25.00	-11.49	V
7638.03	-42.11	8.29	3.00	11.34	-39.06	-25.00	-14.06	V

NR Band 41_Channel Bandwidth 100MHz_ CP-16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5185.98	-39.36	7.22	3.00	9.81	-36.77	-25.00	-11.77	H
7778.97	-46.63	8.35	3.00	11.44	-43.54	-25.00	-18.54	H
5185.98	-41.20	7.22	3.00	9.81	-38.61	-25.00	-13.61	V
7778.97	-44.11	8.35	3.00	11.44	-41.02	-25.00	-16.02	V

NR Band 41_Channel Bandwidth 100MHz_ CP-16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5280.00	-41.19	7.31	3.00	9.86	-38.64	-25.00	-13.64	H
7920.00	-44.98	8.45	3.00	11.49	-41.94	-25.00	-16.94	H
5280.00	-42.26	7.31	3.00	9.86	-39.71	-25.00	-14.71	V
7920.00	-40.43	8.45	3.00	11.49	-37.39	-25.00	-12.39	V

NR Band 66_Channel Bandwidth 40MHz_DFT-BPSK _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3460.00	-41.04	4.92	3.00	10.45	-35.51	-13.00	-22.51	H
5190.00	-47.31	5.78	3.00	12.32	-40.77	-13.00	-27.77	H
3460.00	-36.73	4.92	3.00	10.45	-31.20	-13.00	-18.20	V
5190.00	-40.20	5.78	3.00	12.32	-33.66	-13.00	-20.66	V

NR Band 66_Channel Bandwidth 40MHz_DFT-BPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3490.00	-43.16	4.99	3.00	11.12	-37.03	-13.00	-24.03	H
5235.00	-45.50	5.85	3.00	12.02	-39.33	-13.00	-26.33	H
3490.00	-33.43	4.99	3.00	11.12	-27.30	-13.00	-14.30	V
5235.00	-38.26	5.85	3.00	12.02	-32.09	-13.00	-19.09	V

NR Band 66_Channel Bandwidth 40MHz_DFT-BPSK _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3520.00	-43.59	5.12	3.00	9.98	-38.73	-13.00	-25.73	H
5280.00	-46.86	5.93	3.00	11.66	-41.13	-13.00	-28.13	H
3520.00	-34.66	5.12	3.00	9.98	-29.80	-13.00	-16.80	V
5280.00	-39.40	5.93	3.00	11.66	-33.67	-13.00	-20.67	V

NR Band 66_Channel Bandwidth 40MHz_CP-16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3460.00	-40.94	4.92	3.00	10.45	-35.41	-13.00	-22.41	H
5190.00	-48.84	5.78	3.00	12.32	-42.30	-13.00	-29.30	H
3460.00	-33.39	4.92	3.00	10.45	-27.86	-13.00	-14.86	V
5190.00	-39.69	5.78	3.00	12.32	-33.15	-13.00	-20.15	V

NR Band 66_Channel Bandwidth 40MHz_CP-16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3490.00	-43.53	4.99	3.00	11.12	-37.40	-13.00	-24.40	H
5235.00	-48.02	5.85	3.00	12.02	-41.85	-13.00	-28.85	H
3490.00	-35.35	4.99	3.00	11.12	-29.22	-13.00	-16.22	V
5235.00	-38.87	5.85	3.00	12.02	-32.70	-13.00	-19.70	V

NR Band 66_Channel Bandwidth 40MHz_CP-16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
3520.00	-43.22	5.12	3.00	9.98	-38.36	-13.00	-25.36	H
5280.00	-46.32	5.93	3.00	11.66	-40.59	-13.00	-27.59	H
3520.00	-35.57	5.12	3.00	9.98	-30.71	-13.00	-17.71	V
5280.00	-40.28	5.93	3.00	11.66	-34.55	-13.00	-21.55	V

NR Band 71_Channel Bandwidth 20MHz_ DFT-BPSK _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1346.00	-41.69	4.73	3.00	10.42	-36.00	-13.00	-23.00	H
2019.00	-45.75	5.64	3.00	12.30	-39.09	-13.00	-26.09	H
1346.00	-35.07	4.73	3.00	10.42	-29.38	-13.00	-16.38	V
2019.00	-38.87	5.64	3.00	12.30	-32.21	-13.00	-19.21	V

NR Band 71_Channel Bandwidth 20MHz_ DFT-BPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1361.00	-38.21	4.73	3.00	10.42	-32.52	-13.00	-19.52	H
2041.50	-46.07	5.64	3.00	12.30	-39.41	-13.00	-26.41	H
1361.00	-33.32	4.73	3.00	10.42	-27.63	-13.00	-14.63	V
2041.50	-39.80	5.64	3.00	12.30	-33.14	-13.00	-20.14	V

NR Band 71_Channel Bandwidth 20MHz_ DFT-BPSK _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1376.00	-38.78	4.75	3.00	10.44	-33.09	-13.00	-20.09	H
2064.00	-44.23	5.66	3.00	12.33	-37.56	-13.00	-24.56	H
1376.00	-34.30	4.75	3.00	10.44	-28.61	-13.00	-15.61	V
2064.00	-38.45	5.66	3.00	12.33	-31.78	-13.00	-18.78	V

NR Band 71_Channel Bandwidth 20MHz_ CP-16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1346.00	-38.50	4.73	3.00	10.42	-32.81	-13.00	-19.81	H
2019.00	-47.70	5.64	3.00	12.30	-41.04	-13.00	-28.04	H
1346.00	-36.98	4.73	3.00	10.42	-31.29	-13.00	-18.29	V
2019.00	-36.79	5.64	3.00	12.30	-30.13	-13.00	-17.13	V

NR Band 71_Channel Bandwidth 20MHz_ CP-16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1361.00	-41.08	4.73	3.00	10.42	-35.39	-13.00	-22.39	H
2041.50	-44.46	5.64	3.00	12.30	-37.80	-13.00	-24.80	H
1361.00	-35.76	4.73	3.00	10.42	-30.07	-13.00	-17.07	V
2041.50	-37.64	5.64	3.00	12.30	-30.98	-13.00	-17.98	V

NR Band 71_Channel Bandwidth 20MHz_ CP-16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
1376.00	-38.69	4.75	3.00	10.44	-33.00	-13.00	-20.00	H
2064.00	-46.81	5.66	3.00	12.33	-40.14	-13.00	-27.14	H
1376.00	-35.03	4.75	3.00	10.44	-29.34	-13.00	-16.34	V
2064.00	-39.90	5.66	3.00	12.33	-33.23	-13.00	-20.23	V

NR Band 77(3450 MHz ~ 3550 MHz)_Channel Bandwidth 100MHz_ DFT-BPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
6999.96	-38.27	8.41	3.00	10.35	-36.33	-13.00	-23.33	H
10499.94	-47.64	9.89	3.00	12.51	-45.02	-13.00	-32.02	H
6999.96	-36.66	8.41	3.00	10.35	-34.72	-13.00	-21.72	V
10499.94	-39.72	9.89	3.00	12.51	-37.10	-13.00	-24.10	V

NR Band 77(3450 MHz ~ 3550 MHz)_Channel Bandwidth 100MHz_ DFT-BPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
6999.96	-38.83	8.41	3.00	10.35	-36.89	-13.00	-23.89	H
10499.94	-44.40	9.89	3.00	12.51	-41.78	-13.00	-28.78	H
6999.96	-33.83	8.41	3.00	10.35	-31.89	-13.00	-18.89	V
10499.94	-39.66	9.89	3.00	12.51	-37.04	-13.00	-24.04	V

NR Band 77(3700 MHz ~ 3980 MHz)_Channel Bandwidth 100MHz_ DFT-BPSK _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7500.00	-41.32	9.01	3.00	10.51	-39.82	-13.00	-26.82	H
11250.00	-46.43	9.87	3.00	12.68	-43.62	-13.00	-30.62	H
7500.00	-35.51	9.01	3.00	10.51	-34.01	-13.00	-21.01	V
11250.00	-38.14	9.87	3.00	12.68	-35.33	-13.00	-22.33	V

NR Band 77(3700 MHz ~ 3980 MHz)_Channel Bandwidth 100MHz_ CP-16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7680.00	-38.15	9.13	3.00	10.62	-36.66	-13.00	-23.66	H
11520.00	-44.71	9.87	3.00	12.69	-41.89	-13.00	-28.89	H
7680.00	-36.64	9.13	3.00	10.62	-35.15	-13.00	-22.15	V
11520.00	-39.89	9.87	3.00	12.69	-37.07	-13.00	-24.07	V

NR Band 77(3700 MHz ~ 3980 MHz)_Channel Bandwidth 100MHz_ CP-16QAM _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7860.00	-40.47	9.14	3.00	10.67	-38.94	-13.00	-25.94	H
11790.00	-47.08	9.92	3.00	12.71	-44.29	-13.00	-31.29	H
7860.00	-36.36	9.14	3.00	10.67	-34.83	-13.00	-21.83	V
11790.00	-37.39	9.92	3.00	12.71	-34.60	-13.00	-21.60	V

NR Band 77(3700 MHz ~ 3980 MHz)_Channel Bandwidth 100MHz_ CP-16QAM _ Low Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7500.00	-41.85	9.01	3.00	10.51	-40.35	-13.00	-27.35	H
11250.00	-46.38	9.87	3.00	12.68	-43.57	-13.00	-30.57	H
7500.00	-33.76	9.01	3.00	10.51	-32.26	-13.00	-19.26	V
11250.00	-39.97	9.87	3.00	12.68	-37.16	-13.00	-24.16	V

NR Band 77(3700 MHz ~ 3980 MHz)_Channel Bandwidth 100MHz_ DFT-BPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7680.00	-40.08	9.13	3.00	10.62	-38.59	-13.00	-25.59	H
11520.00	-47.65	9.87	3.00	12.69	-44.83	-13.00	-31.83	H
7680.00	-34.49	9.13	3.00	10.62	-33.00	-13.00	-20.00	V
11520.00	-36.43	9.87	3.00	12.69	-33.61	-13.00	-20.61	V

NR Band 77(3700 MHz ~ 3980 MHz)_Channel Bandwidth 100MHz_ DFT-BPSK _ High Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7860.00	-41.55	9.14	3.00	10.67	-40.02	-13.00	-27.02	H
11790.00	-44.32	9.92	3.00	12.71	-41.53	-13.00	-28.53	H
7860.00	-33.44	9.14	3.00	10.67	-31.91	-13.00	-18.91	V
11790.00	-36.07	9.92	3.00	12.71	-33.28	-13.00	-20.28	V

NR Band 78(3450 MHz ~ 3550 MHz)_Channel Bandwidth 100MHz_ DFT-BPSK _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
6999.96	-38.53	8.41	3.00	10.35	-36.59	-13.00	-23.59	H
10499.94	-44.90	9.89	3.00	12.51	-42.28	-13.00	-29.28	H
6999.96	-35.11	8.41	3.00	10.35	-33.17	-13.00	-20.17	V
10499.94	-36.67	9.89	3.00	12.51	-34.05	-13.00	-21.05	V

NR Band 78(3450 MHz ~ 3550 MHz)_Channel Bandwidth 100MHz_ CP-16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
6999.96	-39.55	8.41	3.00	10.35	-37.61	-13.00	-24.61	H
10499.94	-47.09	9.89	3.00	12.51	-44.47	-13.00	-31.47	H
6999.96	-33.65	8.41	3.00	10.35	-31.71	-13.00	-18.71	V
10499.94	-38.68	9.89	3.00	12.51	-36.06	-13.00	-23.06	V

NR Band 78(3700 MHz ~ 3800 MHz)_Channel Bandwidth 100MHz_ CP-16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7500.00	-39.34	8.52	3.00	10.41	-37.45	-13.00	-24.45	H
11250.00	-47.77	9.94	3.00	12.60	-45.11	-13.00	-32.11	H
7500.00	-35.49	8.52	3.00	10.41	-33.60	-13.00	-20.60	V
11250.00	-37.48	9.94	3.00	12.60	-34.82	-13.00	-21.82	V

NR Band 78(3700 MHz ~ 3800 MHz)_Channel Bandwidth 100MHz_ CP-16QAM _ Middle Channel

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	Diatance	G_a Antenna Gain(dB)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7500.00	-38.89	8.52	3.00	10.41	-37.00	-13.00	-24.00	H
11250.00	-44.58	9.94	3.00	12.60	-41.92	-13.00	-28.92	H
7500.00	-35.79	8.52	3.00	10.41	-33.90	-13.00	-20.90	V
11250.00	-37.73	9.94	3.00	12.60	-35.07	-13.00	-22.07	V

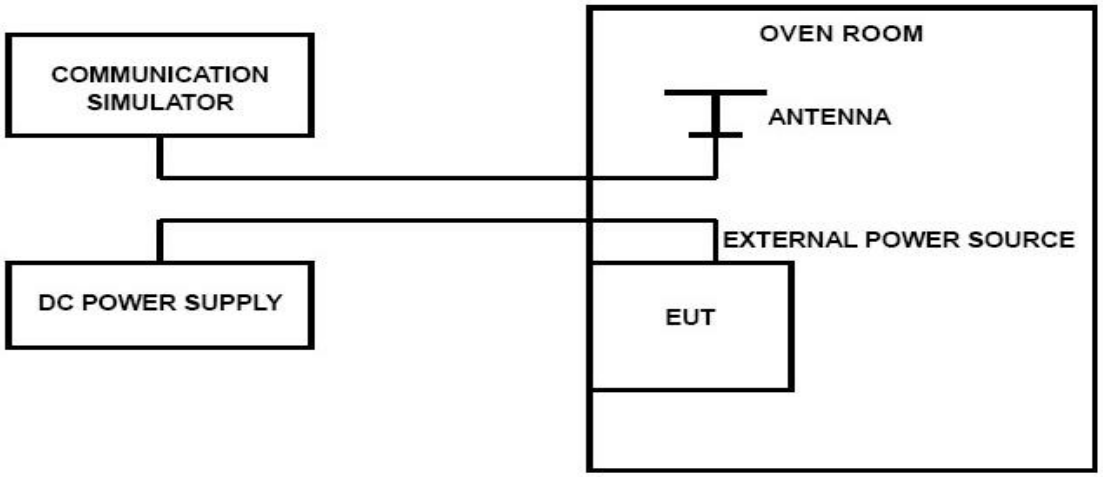
Notes：All channel bandwidth & all Modulation were tested and the report only recorded the worst modulation of DFT-BPSK&CP-16QAM were tested,the report recorded the worst data.

4.7 Frequency Stability under Temperature & Voltage Variations

LIMIT

According to FCC §2.1055,§22.355, §24.235, §27.54 and§90.213 requirement, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation and should not exceed 2.5ppm.

TEST CONFIGURATION



TEST PROCEDURE

The EUT was setup according to TIA-603-E

Frequency Stability Under Temperature Variations:
In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a “call mode”. This is accomplished with the use of Anritsu MT8000A DIGITAL RADIO COMMUNICATION TESTER.
1. Measure the carrier frequency at room temperature.
2. Subject the EUT to overnight soak at -30℃.
3. With the EUT, powered via nominal voltage, connected to the MT8000A and in a simulated call on middle channel for NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71, NR Band 77, NR Band 78; measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
4. Repeat the above measurements at 10℃ increments from -30℃ to +50℃. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1.5 hours unpowered, to allow any self-heating to stabilize, before continuing.
6. Subject the EUT to overnight soak at +50℃.
7. With the EUT, powered via nominal voltage, connected to the MT8000A and in a simulated call on the centre channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
8. Repeat the above measurements at 10 ℃ increments from +50℃ to -30℃. Allow at least 1.5 hours at each temperature, unpowered, before making measurements
9. At all temperature levels hold the temperature to +/- 0.5℃ during the measurement procedure.
Frequency Stability Under Voltage Variations:
Set chamber temperature to 20℃. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.
Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, record the maximum frequency change.

TEST RESULTS

Remark:
We were tested all RB Configuration refer 3GPP TS138 521 for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78; recorded worst case for each Channel Bandwidth of NR Band 2, NR Band 5, NR Band 7, NR Band 25, NR Band 26, NR Band 38, NR Band 41, NR Band 66, NR Band 71 NR Band 77, NR Band 78.

NR Band 2, DFT-256QAM, 40MHz bandwidth (worst case of all bandwidths)

NR Band 2					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	16	0.0087	±2.50	PASS
VN	20	16	0.0084	±2.50	PASS
VH	20	-13	-0.0069	±2.50	PASS
VN	-30	10	0.0054	±2.50	PASS
VN	-20	-4	-0.0020	±2.50	PASS
VN	-10	-8	-0.0044	±2.50	PASS
VN	0	18	0.0097	±2.50	PASS
VN	10	4	0.0022	±2.50	PASS
VN	20	5	0.0026	±2.50	PASS
VN	30	-12	-0.0064	±2.50	PASS
VN	40	18	0.0094	±2.50	PASS
VN	50	-7	-0.0037	±2.50	PASS

NR Band 2, CP-256QAM, 40MHz bandwidth (worst case of all bandwidths)

NR Band 2					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	11	0.0060	±2.50	PASS
VN	20	-4	-0.0021	±2.50	PASS
VH	20	-4	-0.0021	±2.50	PASS
VN	-30	11	0.0058	±2.50	PASS
VN	-20	-4	-0.0020	±2.50	PASS
VN	-10	23	0.0124	±2.50	PASS
VN	0	25	0.0132	±2.50	PASS
VN	10	24	0.0126	±2.50	PASS
VN	20	1	0.0005	±2.50	PASS
VN	30	-9	-0.0047	±2.50	PASS
VN	40	-6	-0.0034	±2.50	PASS
VN	50	-13	-0.0069	±2.50	PASS

NR Band 5, DFT-256QAM, 20MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 5					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	3	0.0034	±2.50	PASS
VN	20	-15	-0.0176	±2.50	PASS
VH	20	-13	-0.0159	±2.50	PASS
VN	-30	-7	-0.0089	±2.50	PASS
VN	-20	24	0.0290	±2.50	PASS
VN	-10	-10	-0.0122	±2.50	PASS
VN	0	-10	-0.0114	±2.50	PASS
VN	10	-12	-0.0145	±2.50	PASS
VN	20	9	0.0113	±2.50	PASS
VN	30	21	0.0250	±2.50	PASS
VN	40	-1	-0.0009	±2.50	PASS
VN	50	10	0.0119	±2.50	PASS

NR Band 5, CP-256QAM, 20MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 5					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	-15	-0.0177	±2.50	PASS
VN	20	19	0.0229	±2.50	PASS
VH	20	-15	-0.0173	±2.50	PASS
VN	-30	-10	-0.0124	±2.50	PASS
VN	-20	13	0.0161	±2.50	PASS
VN	-10	-1	-0.0018	±2.50	PASS
VN	0	24	0.0287	±2.50	PASS
VN	10	-13	-0.0151	±2.50	PASS
VN	20	11	0.0136	±2.50	PASS
VN	30	21	0.0255	±2.50	PASS
VN	40	6	0.0066	±2.50	PASS
VN	50	-10	-0.0119	±2.50	PASS

NR Band 7, DFT-256QAM, 50MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 7					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	18	0.0073	±2.50	PASS
VN	20	-13	-0.0051	±2.50	PASS
VH	20	5	0.0022	±2.50	PASS
VN	-30	27	0.0108	±2.50	PASS
VN	-20	-1	-0.0002	±2.50	PASS
VN	-10	28	0.0112	±2.50	PASS
VN	0	10	0.0039	±2.50	PASS
VN	10	25	0.0099	±2.50	PASS
VN	20	20	0.0081	±2.50	PASS
VN	30	32	0.0127	±2.50	PASS
VN	40	-10	-0.0041	±2.50	PASS
VN	50	29	0.0113	±2.50	PASS

NR Band 7, CP-256QAM, 50MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 7					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	4	0.0015	±2.50	PASS
VN	20	31	0.0121	±2.50	PASS
VH	20	-12	-0.0049	±2.50	PASS
VN	-30	35	0.0137	±2.50	PASS
VN	-20	23	0.0089	±2.50	PASS
VN	-10	-10	-0.0041	±2.50	PASS
VN	0	30	0.0120	±2.50	PASS
VN	10	22	0.0088	±2.50	PASS
VN	20	4	0.0016	±2.50	PASS
VN	30	25	0.0099	±2.50	PASS
VN	40	-9	-0.0035	±2.50	PASS
VN	50	27	0.0108	±2.50	PASS

NR Band 25, DFT-256QAM, 40MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 25					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	6	0.0030	±2.50	PASS
VN	20	28	0.0153	±2.50	PASS
VH	20	26	0.0141	±2.50	PASS
VN	-30	-5	-0.0026	±2.50	PASS
VN	-20	27	0.0147	±2.50	PASS
VN	-10	21	0.0114	±2.50	PASS
VN	0	-14	-0.0078	±2.50	PASS
VN	10	17	0.0091	±2.50	PASS
VN	20	31	0.0170	±2.50	PASS
VN	30	30	0.0164	±2.50	PASS
VN	40	33	0.0180	±2.50	PASS
VN	50	-11	-0.0059	±2.50	PASS

NR Band 25, CP-256QAM, 40MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 25					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	21	0.0114	±2.50	PASS
VN	20	-13	-0.0070	±2.50	PASS
VH	20	24	0.0129	±2.50	PASS
VN	-30	-3	-0.0016	±2.50	PASS
VN	-20	12	0.0065	±2.50	PASS
VN	-10	-15	-0.0079	±2.50	PASS
VN	0	14	0.0076	±2.50	PASS
VN	10	-4	-0.0023	±2.50	PASS
VN	20	32	0.0172	±2.50	PASS
VN	30	16	0.0087	±2.50	PASS
VN	40	10	0.0053	±2.50	PASS
VN	50	25	0.0133	±2.50	PASS

NR Band 26, DFT-256QAM, 20MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 26					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	22	0.0268	±2.50	PASS
VN	20	27	0.0330	±2.50	PASS
VH	20	33	0.0400	±2.50	PASS
VN	-30	-13	-0.0166	±2.50	PASS
VN	-20	5	0.0061	±2.50	PASS
VN	-10	27	0.0334	±2.50	PASS
VN	0	13	0.0156	±2.50	PASS
VN	10	6	0.0077	±2.50	PASS
VN	20	16	0.0198	±2.50	PASS
VN	30	26	0.0321	±2.50	PASS
VN	40	-15	-0.0182	±2.50	PASS
VN	50	18	0.0226	±2.50	PASS

NR Band 26, CP-256QAM, 20MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 26					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	3	0.0042	±2.50	PASS
VN	20	28	0.0347	±2.50	PASS
VH	20	-9	-0.0115	±2.50	PASS
VN	-30	28	0.0340	±2.50	PASS
VN	-20	19	0.0229	±2.50	PASS
VN	-10	14	0.0177	±2.50	PASS
VN	0	30	0.0365	±2.50	PASS
VN	10	-12	-0.0146	±2.50	PASS
VN	20	22	0.0271	±2.50	PASS
VN	30	3	0.0031	±2.50	PASS
VN	40	17	0.0214	±2.50	PASS
VN	50	8	0.0098	±2.50	PASS

NR Band 38, DFT-256QAM, 40MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 38					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	19	0.0074	±2.50	PASS
VN	20	6	0.0022	±2.50	PASS
VH	20	6	0.0023	±2.50	PASS
VN	-30	4	0.0017	±2.50	PASS
VN	-20	23	0.0089	±2.50	PASS
VN	-10	-9	-0.0034	±2.50	PASS
VN	0	6	0.0023	±2.50	PASS
VN	10	33	0.0129	±2.50	PASS
VN	20	-7	-0.0027	±2.50	PASS
VN	30	18	0.0071	±2.50	PASS
VN	40	2	0.0007	±2.50	PASS
VN	50	33	0.0127	±2.50	PASS

NR Band 38, CP-256QAM, 40MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 38					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	0	-0.0001	±2.50	PASS
VN	20	-2	-0.0008	±2.50	PASS
VH	20	17	0.0065	±2.50	PASS
VN	-30	4	0.0017	±2.50	PASS
VN	-20	12	0.0044	±2.50	PASS
VN	-10	18	0.0069	±2.50	PASS
VN	0	-9	-0.0036	±2.50	PASS
VN	10	-9	-0.0033	±2.50	PASS
VN	20	5	0.0021	±2.50	PASS
VN	30	15	0.0058	±2.50	PASS
VN	40	6	0.0022	±2.50	PASS
VN	50	4	0.0014	±2.50	PASS

NR Band 41, DFT-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 41					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	8	0.0032	±2.50	PASS
VN	20	20	0.0078	±2.50	PASS
VH	20	26	0.0100	±2.50	PASS
VN	-30	22	0.0086	±2.50	PASS
VN	-20	23	0.0090	±2.50	PASS
VN	-10	5	0.0019	±2.50	PASS
VN	0	35	0.0135	±2.50	PASS
VN	10	-3	-0.0012	±2.50	PASS
VN	20	28	0.0108	±2.50	PASS
VN	30	1	0.0004	±2.50	PASS
VN	40	27	0.0102	±2.50	PASS
VN	50	13	0.0052	±2.50	PASS

NR Band 41, CP-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 41					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	-7	-0.0026	±2.50	PASS
VN	20	29	0.0110	±2.50	PASS
VH	20	-9	-0.0033	±2.50	PASS
VN	-30	21	0.0081	±2.50	PASS
VN	-20	-13	-0.0049	±2.50	PASS
VN	-10	-9	-0.0034	±2.50	PASS
VN	0	34	0.0130	±2.50	PASS
VN	10	28	0.0107	±2.50	PASS
VN	20	19	0.0075	±2.50	PASS
VN	30	22	0.0085	±2.50	PASS
VN	40	27	0.0106	±2.50	PASS
VN	50	28	0.0110	±2.50	PASS

NR Band 66, DFT-256QAM, 40MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 66					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	22	0.0127	±2.50	PASS
VN	20	12	0.0069	±2.50	PASS
VH	20	-12	-0.0067	±2.50	PASS
VN	-30	-1	-0.0005	±2.50	PASS
VN	-20	7	0.0042	±2.50	PASS
VN	-10	-2	-0.0012	±2.50	PASS
VN	0	34	0.0194	±2.50	PASS
VN	10	-1	-0.0005	±2.50	PASS
VN	20	2	0.0011	±2.50	PASS
VN	30	4	0.0023	±2.50	PASS
VN	40	21	0.0122	±2.50	PASS
VN	50	12	0.0068	±2.50	PASS

NR Band 66, CP-256QAM, 40MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 66					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	-1	-0.0006	±2.50	PASS
VN	20	-2	-0.0009	±2.50	PASS
VH	20	34	0.0195	±2.50	PASS
VN	-30	8	0.0047	±2.50	PASS
VN	-20	12	0.0067	±2.50	PASS
VN	-10	-13	-0.0077	±2.50	PASS
VN	0	-3	-0.0018	±2.50	PASS
VN	10	26	0.0151	±2.50	PASS
VN	20	16	0.0091	±2.50	PASS
VN	30	4	0.0023	±2.50	PASS
VN	40	29	0.0167	±2.50	PASS
VN	50	-13	-0.0073	±2.50	PASS

NR Band 71, DFT-256QAM, 20MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 71					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	18	0.0267	±2.50	PASS
VN	20	28	0.0416	±2.50	PASS
VH	20	-4	-0.0068	±2.50	PASS
VN	-30	25	0.0370	±2.50	PASS
VN	-20	3	0.0048	±2.50	PASS
VN	-10	14	0.0204	±2.50	PASS
VN	0	4	0.0057	±2.50	PASS
VN	10	24	0.0369	±2.50	PASS
VN	20	21	0.0318	±2.50	PASS
VN	30	13	0.0197	±2.50	PASS
VN	40	32	0.0479	±2.50	PASS
VN	50	-5	-0.0079	±2.50	PASS

NR Band 71, CP-256QAM, 20MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 71					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	0	0.0007	±2.50	PASS
VN	20	9	0.0135	±2.50	PASS
VH	20	20	0.0303	±2.50	PASS
VN	-30	5	0.0072	±2.50	PASS
VN	-20	18	0.0275	±2.50	PASS
VN	-10	-2	-0.0023	±2.50	PASS
VN	0	15	0.0231	±2.50	PASS
VN	10	23	0.0341	±2.50	PASS
VN	20	7	0.0110	±2.50	PASS
VN	30	-4	-0.0053	±2.50	PASS
VN	40	13	0.0189	±2.50	PASS
VN	50	8	0.0125	±2.50	PASS

NR Band 77(3450 MHz ~ 3550 MHz), DFT-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 77					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	30	0.0086	±2.50	PASS
VN	20	25	0.0072	±2.50	PASS
VH	20	21	0.0062	±2.50	PASS
VN	-30	30	0.0086	±2.50	PASS
VN	-20	8	0.0024	±2.50	PASS
VN	-10	-7	-0.0021	±2.50	PASS
VN	0	-7	-0.0021	±2.50	PASS
VN	10	32	0.0092	±2.50	PASS
VN	20	17	0.0050	±2.50	PASS
VN	30	12	0.0033	±2.50	PASS
VN	40	31	0.0089	±2.50	PASS
VN	50	4	0.0011	±2.50	PASS

NR Band 77(3450 MHz ~ 3550 MHz), CP-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 77					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	11	0.0032	±2.50	PASS
VN	20	13	0.0037	±2.50	PASS
VH	20	-5	-0.0014	±2.50	PASS
VN	-30	5	0.0015	±2.50	PASS
VN	-20	-2	-0.0006	±2.50	PASS
VN	-10	25	0.0072	±2.50	PASS
VN	0	-15	-0.0043	±2.50	PASS
VN	10	-4	-0.0010	±2.50	PASS
VN	20	31	0.0090	±2.50	PASS
VN	30	-2	-0.0005	±2.50	PASS
VN	40	24	0.0070	±2.50	PASS
VN	50	26	0.0075	±2.50	PASS

NR Band 77(3700 MHz ~ 3980 MHz), DFT-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 77					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	3	0.0007	±2.50	PASS
VN	20	-2	-0.0005	±2.50	PASS
VH	20	9	0.0024	±2.50	PASS
VN	-30	15	0.0042	±2.50	PASS
VN	-20	18	0.0050	±2.50	PASS
VN	-10	0	0.0001	±2.50	PASS
VN	0	-14	-0.0038	±2.50	PASS
VN	10	-2	-0.0004	±2.50	PASS
VN	20	20	0.0054	±2.50	PASS
VN	30	24	0.0065	±2.50	PASS
VN	40	-6	-0.0016	±2.50	PASS
VN	50	17	0.0047	±2.50	PASS

NR Band 77(3700 MHz ~ 3980 MHz), CP-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 77					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	-8	-0.0021	±2.50	PASS
VN	20	26	0.0070	±2.50	PASS
VH	20	-9	-0.0024	±2.50	PASS
VN	-30	10	0.0026	±2.50	PASS
VN	-20	-8	-0.0021	±2.50	PASS
VN	-10	5	0.0012	±2.50	PASS
VN	0	-4	-0.0012	±2.50	PASS
VN	10	34	0.0091	±2.50	PASS
VN	20	10	0.0027	±2.50	PASS
VN	30	-1	-0.0002	±2.50	PASS
VN	40	-14	-0.0039	±2.50	PASS
VN	50	29	0.0079	±2.50	PASS

NR Band 78(3450 MHz ~ 3550 MHz), DFT-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 78					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	22	0.0063	±2.50	PASS
VN	20	10	0.0030	±2.50	PASS
VH	20	8	0.0024	±2.50	PASS
VN	-30	0	-0.0001	±2.50	PASS
VN	-20	4	0.0011	±2.50	PASS
VN	-10	23	0.0067	±2.50	PASS
VN	0	27	0.0077	±2.50	PASS
VN	10	15	0.0045	±2.50	PASS
VN	20	12	0.0033	±2.50	PASS
VN	30	8	0.0022	±2.50	PASS
VN	40	1	0.0004	±2.50	PASS
VN	50	-6	-0.0018	±2.50	PASS

NR Band 78(3450 MHz ~ 3550 MHz), CP-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 78					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	7	0.0019	±2.50	PASS
VN	20	3	0.0007	±2.50	PASS
VH	20	34	0.0099	±2.50	PASS
VN	-30	2	0.0007	±2.50	PASS
VN	-20	12	0.0034	±2.50	PASS
VN	-10	31	0.0091	±2.50	PASS
VN	0	-7	-0.0020	±2.50	PASS
VN	10	32	0.0094	±2.50	PASS
VN	20	6	0.0016	±2.50	PASS
VN	30	-12	-0.0033	±2.50	PASS
VN	40	33	0.0094	±2.50	PASS
VN	50	17	0.0049	±2.50	PASS

NR Band 78(3700 MHz ~ 3800 MHz), DFT-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 78					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	32	0.0086	±2.50	PASS
VN	20	9	0.0024	±2.50	PASS
VH	20	-9	-0.0026	±2.50	PASS
VN	-30	3	0.0009	±2.50	PASS
VN	-20	18	0.0049	±2.50	PASS
VN	-10	19	0.0052	±2.50	PASS
VN	0	16	0.0043	±2.50	PASS
VN	10	-4	-0.0012	±2.50	PASS
VN	20	-7	-0.0018	±2.50	PASS
VN	30	15	0.0041	±2.50	PASS
VN	40	5	0.0014	±2.50	PASS
VN	50	12	0.0032	±2.50	PASS

NR Band 78(3700 MHz ~ 3800 MHz), CP-256QAM, 100MHz bandwidth (worst case of all bandwidths and all modulations)

NR Band 78					
DC Power	Temperature (℃)	Frequency error(Hz)	Frequency error(ppm)	Limit (ppm)	Verdict
VL	20	-8	-0.0023	±2.50	PASS
VN	20	16	0.0042	±2.50	PASS
VH	20	32	0.0087	±2.50	PASS
VN	-30	-5	-0.0013	±2.50	PASS
VN	-20	1	0.0004	±2.50	PASS
VN	-10	13	0.0035	±2.50	PASS
VN	0	16	0.0044	±2.50	PASS
VN	10	-7	-0.0020	±2.50	PASS
VN	20	20	0.0055	±2.50	PASS
VN	30	27	0.0074	±2.50	PASS
VN	40	12	0.0032	±2.50	PASS
VN	50	16	0.0044	±2.50	PASS

5 Test Setup Photos of the EUT

Pleaserefer to separated files for Test Setup Photos of the EUT.

6 External Photos of the EUT

Pleaserefer to separated files for External Photos of the EUT.

7 Internal Photos of the EUT

Pleaserefer to separated files for Internal Photos of the EUT.

----------THE END OF TEST REPORT----------

FCC TEST REPORT

FOR

Lunar Industries inc.

Smart Phone

Test Model: BraX3

Prepared for	:	Lunar Industries inc.
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel	:	(+86)755-82591330
Fax	:	(+86)755-82591332
Web	:	www.LCS-cert.com
Mail	:	webmaster@LCS-cert.com
Date of receipt of test sample	:	February 26, 2025
Number of tested samples	:	2
Sample No.	:	A250303080-1, A250303080-2
Serial number	:	Prototype
Date of Test	:	February 26, 2025 ~ March 25, 2025
Date of Report	:	March 26, 2025

FCC TEST REPORT
FCC CFR 47 PART 15 C (15.225)

Report Reference No.	**:**	**LCSA11204234EM**
Date of Issue	:	March 26, 2025
Testing Laboratory Name.....	**:**	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address	:	101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Testing Location/ Procedure	:	Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □
Applicant's Name	**:**	**Lunar Industries inc.**
Address	:	4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Test Specification		
Standard	:	FCC CFR 47 PART 15 C(15.225)
Test Report Form No.	**:**	TRF-4-E-154 A/0
TRF Originator.....	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF.....	:	Dated 2011-03

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Test Item Description.....	**:**	**Smart Phone**
Trade Mark	:	Brax
Test Model.....	:	BraX3
Ratings	:	Please Refer to Page 6
**Result ..... **	**:**	**Positive**

Compiled by:	**Supervised by:**	**Approved by:**
Jack Liu/Administrator	Cary Luo/ Technique principal	Gavin Liang/ Manager

FCC -- TEST REPORT

Test Report No. : **LCSA11204234EM**	March 26, 2025 Date of issue

Test Model.....	: BraX3
EUT.....	: Smart Phone
Applicant.....	**: Lunar Industries inc.**
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Manufacturer.....	**: Lunar Industries inc.**
Address.....	: 4300-800 Rue du Square-Victoria, Montreal, Quebec, H3C 0B4 Canada
Telephone.....	: /
Fax.....	: /
Factory.....	**: Sichuan koobee communication equipment Co., Ltd.**
Address.....	: Building 2, No.69, West of gangyuan Road, Lingang economic and technological development zone, Yibin City, Sichuan Province, P.R.China
Telephone.....	: /
Fax.....	: /

Test Result	**Positive**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revision History

Report Version	Issue Date	Revision Content	Revised By
000	March 26, 2025	Initial Issue	---

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1. GENERAL INFORMATION

1.1 Description of Device (EUT)

EUT	:	Smart Phone
Test Model	:	BraX3
Ratings	:	Input:5V⎓2A DC 3.87V by Rechargeable Li-ion Battery, 4900mAh
Hardware Version	:	KE115S_01
Software Version	:	V600.BX3.25032025.16.19.AD
Bluetooth	:	
Frequency Range	:	2402MHz~2480MHz
Channel Number	:	79 channels for Bluetooth V5.2 (DSS) 40 channels for Bluetooth V5.2 (DTS)
Channel Spacing	:	1MHz for Bluetooth V5.2 (DSS) 2MHz for Bluetooth V5.2 (DTS)
Modulation Type	:	GFSK, π/4-DQPSK, 8-DPSK for Bluetooth V5.2 (DSS) GFSK for Bluetooth V5.2 (DTS)
Bluetooth Version	:	V5.2
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(2.4G Band)	:	
Frequency Range	:	2412MHz~2462MHz
Channel Spacing	:	5MHz
Channel Number	:	11 Channels for 20MHz bandwidth (2412~2462MHz) 7 Channels for 40MHz bandwidth (2422~2452MHz)
Modulation Type	:	IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.93dBi(Max.)
WIFI(5.2G Band)	:	
Frequency Range	:	5180MHz~5240MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5180MHz~5240MHz) 2 channels for 40MHz bandwidth(5190MHz~5230MHz) 1 channels for 80MHz bandwidth(5210MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.3G Band)		
Frequency Range	:	5260MHz~5320MHz
Channel Number	:	4 Channels for 20MHz bandwidth(5260MHz~5320MHz) 2 channels for 40MHz bandwidth(5270MHz~5310MHz) 1 channels for 80MHz bandwidth(5290MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.5G Band)	:	
Frequency Range	:	5500MHz~5700MHz
Channel Number	:	11 Channels for 20MHz bandwidth(5500MHz~5700MHz)

		5 Channels for 40MHz bandwidth(5510MHz~5670MHz) 2 Channels for 80MHz bandwidth(5530MHz, 5610MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5), 0.65dBi(Max.)
WIFI(5.8G Band)	:	
Frequency Range	:	5745MHz~5825MHz
Channel Number	:	5 channels for 20MHz bandwidth(5745MHz~5825MHz) 2 channels for 40MHz bandwidth(5755MHz~5795MHz) 1 channels for 80MHz bandwidth(5775MHz)
Modulation Type	:	IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)
Antenna Description	:	PIFA Antenna(ANT5),0.65dBi(Max.)
2G	:	
Support Band	:	☒GSM 900 (EU-Band) ☒DCS 1800 (EU-Band) ☒GSM 850 (U.S.-Band) ☒PCS 1900 (U.S.-Band)
Release Version	:	R9
GPRS Class	:	Class 12
EGPRS Class	:	Class 12
Type Of Modulation	:	GMSK for GSM/GPRS; GMSK/8PSK for EGPRS
Antenna Description	:	GSM 850: -3.2 dBi(ANT0), -6.0 dBi(ANT3) PCS 1900: -0.8 dBi(ANT3), -2.0 dBi(ANT0)
3G	:	
Support Band	:	☒WCDMA Band I (EU-Band) ☒WCDMA Band II (U.S.-Band) ☒WCDMA Band IV (U.S.-Band) ☒WCDMA Band V (U.S.-Band) ☒WCDMA Band VIII (EU-Band)
Release Version	:	R9
Type Of Modulation	:	QPSK,16QAM
Antenna Description	:	PIFA Antenna WCDMA Band II -0.8 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band IV -1.45 dBi(ANT3), -2.0 dBi(ANT0) WCDMA Band V -3.2 dBi(ANT0), -6.0 dBi(ANT3)
LTE	:	
Support Band	:	☒E-UTRA Band 1(EU-Band) ☒E-UTRA Band 2(U.S.-Band) ☒E-UTRA Band 3(EU-Band) ☒E-UTRA Band 4(U.S.-Band) ☒E-UTRA Band 5(U.S.-Band) ☒E-UTRA Band 7(U.S.-Band) ☒E-UTRA Band 8(EU-Band) ☒E-UTRA Band 12(U.S.-Band) ☒E-UTRA Band 13(U.S.-Band) ☒E-UTRA Band 17(U.S.-Band) ☒E-UTRA Band 25(U.S.-Band) ☒E-UTRA Band 26(U.S.-Band) ☒E-UTRA Band 28(EU-Band) ☒E-UTRA Band 38(U.S.-Band) ☒E-UTRA Band 40(EU-Band) ☒E-UTRA Band 41(U.S.-Band)

		☒E-UTRA Band 42(EU-Band) ☒E-UTRA Band 66(U.S.-Band) ☒E-UTRA Band 71(U.S.-Band)
LTE Release Version	:	R15
Type Of Modulation	:	QPSK/16QAM
Antenna Description	:	PIFA Antenna For E-UTRA Band 2 -0.8 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 4 -1.45 dBi(ANT3), -2.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 5 -3.2 dBi(ANT0),-1.8 dBi(ANT3) For E-UTRA Band 7 -0.6 dBi(ANT3),-1.8 dBi(ANT0), -1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 12 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 13 -3.0 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 17 -0.6 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 25 -0.75 dBi(ANT3), -2.0 dBi(ANT0) ,-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 26 -3.3 dBi(ANT0), -2.0 dBi(ANT3) For E-UTRA Band 38 -0.6 dBi(ANT3),-1.1 dBi(ANT0),-1.8 dBi(ANT2), -2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 41 –0.6 dBi(ANT3), -1.1 dBi(ANT0),-1.1 dBi(ANT2),-1.8 dBi(ANT6) For E-UTRA Band 66 -0.78 dBi(ANT3), -2.0 dBi(ANT0),-2.0 dBi(ANT2), -2.0 dBi(ANT6) For E-UTRA Band 71 -3.3 dBi(ANT0), -2.0 dBi(ANT3)
Power Class	:	Class 3
NR	:	
Operation Band	:	SA Band: n1: UL: 1920MHz~1980MHz, DL: 2110MHz~2170MHz n2: UL: 1850MHz~1910MHz, DL: 1930MHz~1990MHz n3: UL: 1710MHz~1785MHz, DL:1805MHz~1880MHz n5: UL: 824MHz~849MHz, DL:869MHz~894MHz n7: UL: 2500MHz~2570MHz, DL: 2620MHz~2690MHz n25: UL: 1850MHz~1915MHz, DL: 1930MHz~1995MHz n26: UL: 814MHz~849MHz, DL: 859MHz~894MHz n28: UL: 703MHz~748MHz, DL: 758MHz~803MHz n38: UL & DL: 2570MHz~2620MHz n40: UL & DL: 2300MHz~2400MHz n41: UL & DL: 2496MHz~2690MHz n66: UL: 1710MHz~1780MHz, DL: 2110MHz~2180MHz n71: UL: 663MHz~698MHz, DL: 617MHz~652MHz n77: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3980 MHz n78: UL & DL: 3450 MHz ~ 3550 MHz&3700 MHz ~ 3800 MHz
Support Type	:	☒SA
Subcarrier Spacing	:	15KHz,30KHz
Modulation Type	:	DFT-BPSK, DFT-QPSK, DFT-16QAM, DFT-64QAM, DFT-256QAM CP-QPSK, CP-16QAM, CP-64QAM, CP-256QAM
SCS and Channel Bandwidths	:	n2_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,35 MHz,40 MHz n5_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n7_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz,50MHz n25_SCS 15kHz:5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40

		MHz n26_SCS 15kHz(814~824MHz): 5 MHz,10 MHz n26_SCS 15kHz(824~849MHz): 5 MHz,10 MHz,15 MHz,20 MHz n38_SCS 30kHz:10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n41_SCS 30kHz: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz,90 MHz,100 MHz n66_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz,25 MHz,30 MHz,40 MHz n71_SCS 15kHz: 5 MHz,10 MHz,15 MHz,20 MHz n77_SCS 30kHz: 20 MHz,50 MHz,100 MHz n78_SCS 30kHz: 20 MHz,50 MHz,100 MHz
Power Class	:	NR Band 2/5/7/25/26/38/41:PC3 NR Band 66/71/77/78: PC2
Antenna Description	:	PIFA Antenna NR Band n2: -0.8 dBi(ANT3), -6.0 dBi(ANT0), -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n5: -3.2 dBi(ANT0), -6.0 dBi(ANT3) NR Band n7: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n25: -0.75 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n26: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n38: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n41: -0.6 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n66: -0.78 dBi(ANT3), -6.0 dBi(ANT0) , -2.0 dBi(ANT2), -2.0 dBi(ANT6) NR Band n71: -3.3 dBi(ANT0), -6.0 dBi(ANT3) NR Band n77: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7) NR Band n78: -1.6 dBi(ANT4), -6.0 dBi(ANT1) ,1.2 dBi(ANT2),1.2 dBi(ANT7)
NFC	:	
Operating Frequency	:	13.56MHz
Modulation Type	:	ASK
Antenna Description	:	Internal Antenna
GPS Function	:	Support and only RX
FM Function	:	Support and only RX
Extreme temp. Tolerance	:	-30°C to +50°C
Extreme vol. Limits	:	3.3VDC to 4.45VDC (nominal: 3.87VDC)

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

1.2 Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN TIANYIN ELECTRONICS CO., LTD	Power Adapter	TPA-46050200UU	--	FCC

Note: Auxiliary equipment is provided by the laboratory.

1.3 External I/O

I/O Port Description	Quantity	Cable
Type-C USB Port	1	N/A
Earphone Jack Port	1	N/A

1.4 Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Test Firm Registration Number: 254912.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

1.5 Statement of The Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

1.6 Measurement Uncertainty

Test Item		Frequency Range	Uncertainty	Note
Radiation Uncertainty	:	9KHz~30MHz	±3.10dB	(1)
		30MHz~200MHz	±2.96dB	(1)
		200MHz~1000MHz	±3.10dB	(1)
		1GHz~26.5GHz	±3.80dB	(1)
		26.5GHz~40GHz	±3.90dB	(1)
Conduction Uncertainty	:	150kHz~30MHz	±1.63dB	(1)
Power disturbance	:	30MHz~300MHz	±1.60dB	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.7 Description of Test Modes

The EUT has been tested under operating condition.

This test was performed with EUT in X, Y, Z position and the worst case was found when EUT in Y position.

AC conducted emission pre-test at both at AC 120V/60Hz and AC 240V/50Hz modes, recorded worst case.

Worst-case mode and channel used for 150 KHz-30 MHz power line conducted emissions was the mode and channel with the highest output power.

Worst-case mode and channel used for 9 KHz-1000 MHz radiated emissions was the mode and channel with the highest output power.

2. TEST METHODOLOGY

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

The radiated testing was performed at an antenna-to-EUT distance of 3 meters. All radiated and conducted emissions measurement was performed at Shenzhen LCS Compliance Testing Laboratory Ltd.

2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2. EUT Exercise

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to its specifications, the EUT must comply with the requirements of the Section 15.225 under the FCC Rules Part 15 Subpart C.

2.3 General Test Procedures

2.3.1 Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 6.2.1 of ANSI C63.10-2013 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using Quasi-peak and average detector modes.

2.3.2 Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane below 1GHz and 1.5 m above g round plane above 1GHz. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 6.3 of ANSI C63.10-2013.

3. SYSTEM TEST CONFIGURATION

3.1. Justification

The system was configured for testing in a continuous transmits condition.

3.2. EUT Exercise Software

The system was configured for testing in a continuous transmits condition and change test channels by software provided by applicant.

3.3. Special Accessories

No.	Equipment	Manufacturer	Model No.	Serial No.	Length	shielded/ unshielded	Notes
/	/	/	/	/	/	/	/

3.4. Block Diagram/Schematics

Please refer to the related document

3.5. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

3.6. Test Setup

Please refer to the test setup photo.

4. SUMMARY OF TEST RESULTS

Applied Standard: FCC Part 15 Subpart C		
Test Items	**FCC Rules**	**Result**
Line Conducted Emissions	§15.207(a)	PASS
Field Strength of Fundamental Emissions	§15.225(a)(b)(c)	PASS
Radiated Emissions	§15.225(d) & §15.209	PASS
20dB Bandwidth	§ 15.215	PASS
Frequency Stability	§15.225(e)	PASS
Antenna Requirement	§15.203	PASS

5. RADIATED MEASUREMENT

5.1. Radiated Emission

5.1.1. Standard Applicable

According to §15.209/ §15.205

15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
\1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293.	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(\2\)
13.36-13.41			

\1\ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

\2\ Above 38.6

According to §15.247 (d): 20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

5.1.2. Measuring Instruments and Setting

Please refer to equipment list in this report. The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average
RB / VB (Emission in non-restricted band)	1MHz / 1MHz for Peak, 1 MHz / 1/B kHz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB/VB 200Hz/1KHz for QP/AVG
Start ~ Stop Frequency	150kHz~30MHz / RB/VB 9kHz/30KHz for QP/AVG
Start ~ Stop Frequency	30MHz~1000MHz / RB/VB 120kHz/1MHz for QP

5.1.3. Test Procedures

1) Sequence of testing 9 kHz to 30 MHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a rotatable table with 0.8 m height is used.

--- If the EUT is a floor standing device, it is placed on the ground.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions.

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna height is 1.0 meter.

--- At each turntable position the analyzer sweeps with peak detection to find the maximum of all emissions

Final measurement:

--- Identified emissions during the premeasurement the software maximizes by rotating the turntable position (0° to 360°) and by rotating the elevation axes (0° to 360°).

--- The final measurement will be done in the position (turntable and elevation) causing the highest emissions with QPK detector.

--- The final levels, frequency, measuring time, bandwidth, turntable position, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement and the limit will be stored.

2) Sequence of testing 30 MHz to 1 GHz

Setup:

--- The equipment was set up to simulate a typical usage like described in the user manual or described by manufacturer.

--- If the EUT is a tabletop system, a table with 0.8 m height is used, which is placed on the ground plane.

--- If the EUT is a floor standing device, it is placed on the ground plane with insulation between both.

--- Auxiliary equipment and cables were positioned to simulate normal operation conditions

--- The AC power port of the EUT (if available) is connected to a power outlet below the turntable.

--- The measurement distance is 3 meter.

--- The EUT was set into operation.

Premeasurement:

--- The turntable rotates from 0° to 315° using 45° steps.

--- The antenna is polarized vertical and horizontal.

--- The antenna height changes from 1 to 3 meter.

--- At each turntable position, antenna polarization and height the analyzer sweeps three times in peak to find the maximum of all emissions.

Final measurement:

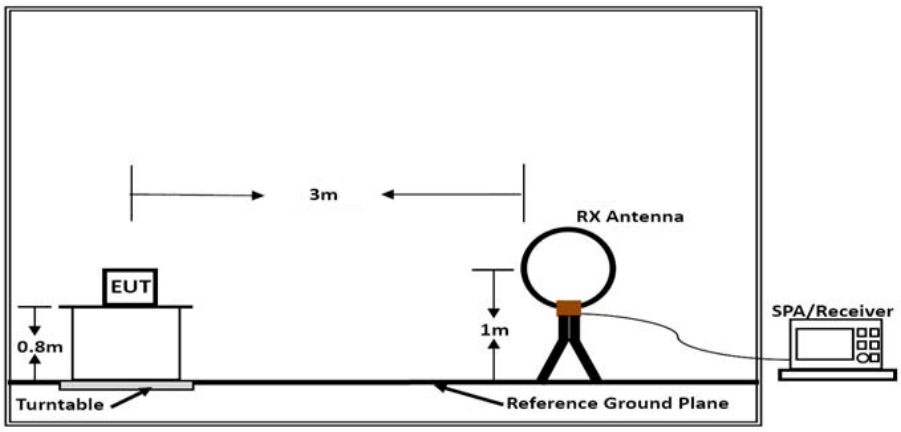
--- The final measurement will be performed with minimum the six highest peaks.

--- According to the maximum antenna and turntable positions of premeasurement the software maximize the peaks by changing turntable position (± 45°) and antenna movement between 1 and 4 meter.

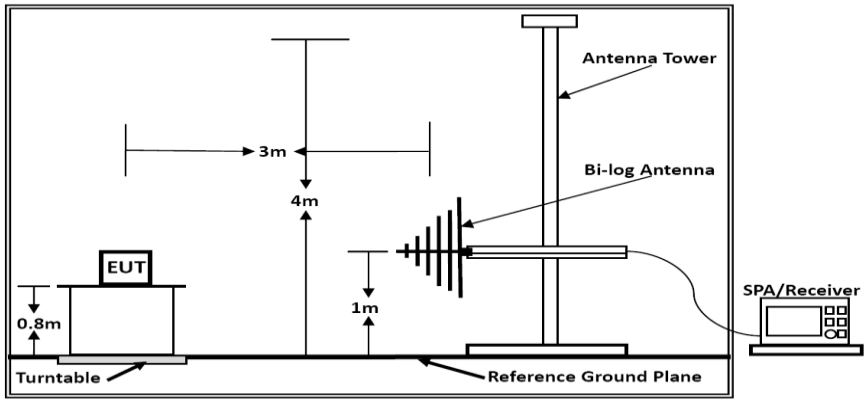
--- The final measurement will be done with QP detector with an EMI receiver.

--- The final levels, frequency, measuring time, bandwidth, antenna height, antenna polarization, turntable angle, correction factor, margin to the limit and limit will be recorded. Also a plot with the graph of the premeasurement with marked maximum final measurements and the limit will be stored.

5.1.4. Test Setup Layout



Below 30MHz



Below 1GHz

5.1.5 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS (dBuV/m) = RA (dBuV) + AF (dB/m) + CL (dB) – AG (dB)

Where FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	AG = Amplifier Gain
AF = Antenna Factor	

5.1.6. Test Results

Temperature	23.6℃	Humidity	52.2%
Test Engineer	Paddi Chen	Configurations	NFC

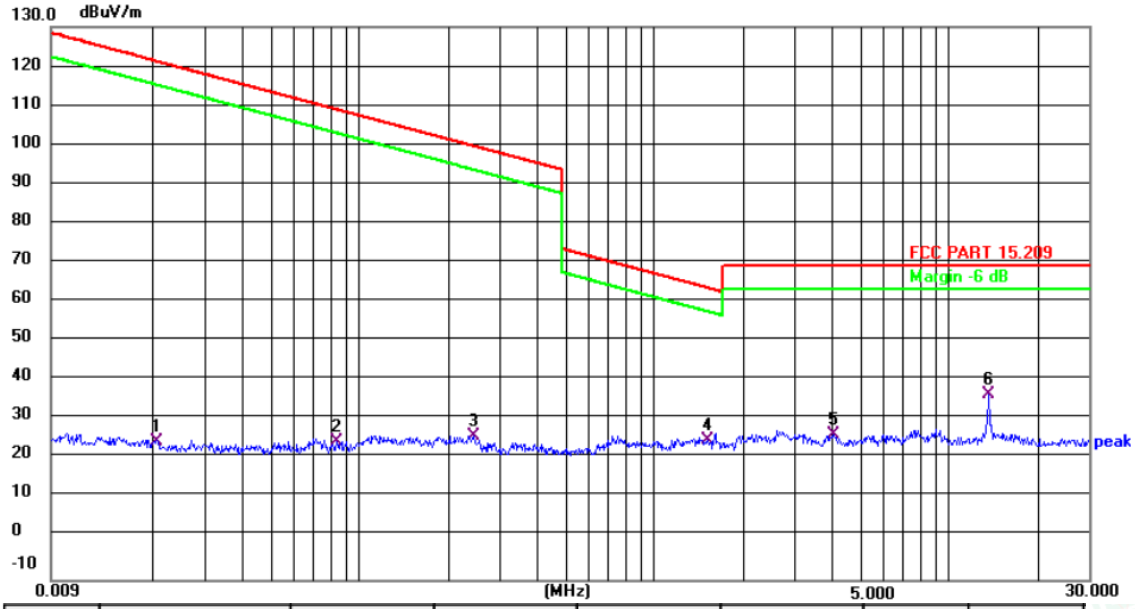
PASS.

The test data please refer to following page:

9 KHz~30MHz

Note: Only recorded the worst test result.

X axis



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.0205	35.47	-10.12	25.35	121.22	-95.87	QP
2	0.0834	35.19	-10.18	25.01	109.09	-84.08	QP
3	0.2442	36.33	-9.87	26.46	99.82	-73.36	QP
4	1.5160	35.58	-10.03	25.55	63.99	-38.44	QP
5	4.0784	36.70	-9.93	26.77	69.54	-42.77	QP
6	13.6584	46.64	-9.49	37.15	69.54	-32.39	QP

Remark:

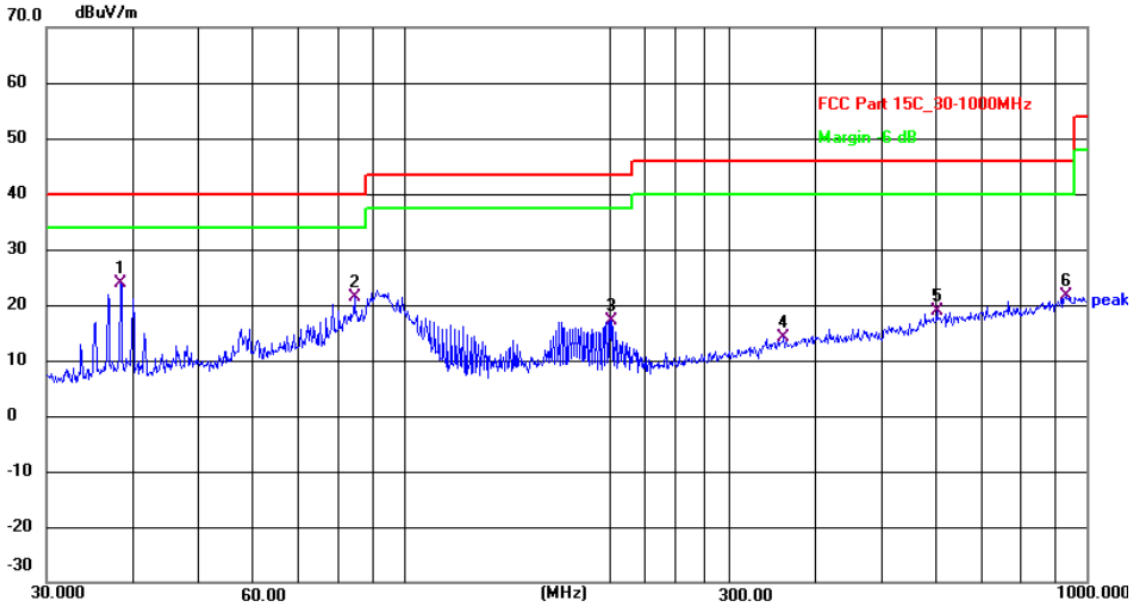
1). X axis / Y axis/ Z axis were tested,report only recorded the worst result of X axis..

2). Margin=Reading level + Factor- Limit

Temperature	23.8℃	Humidity	52.1%
Test Engineer	Paddi Chen	Configurations	NFC

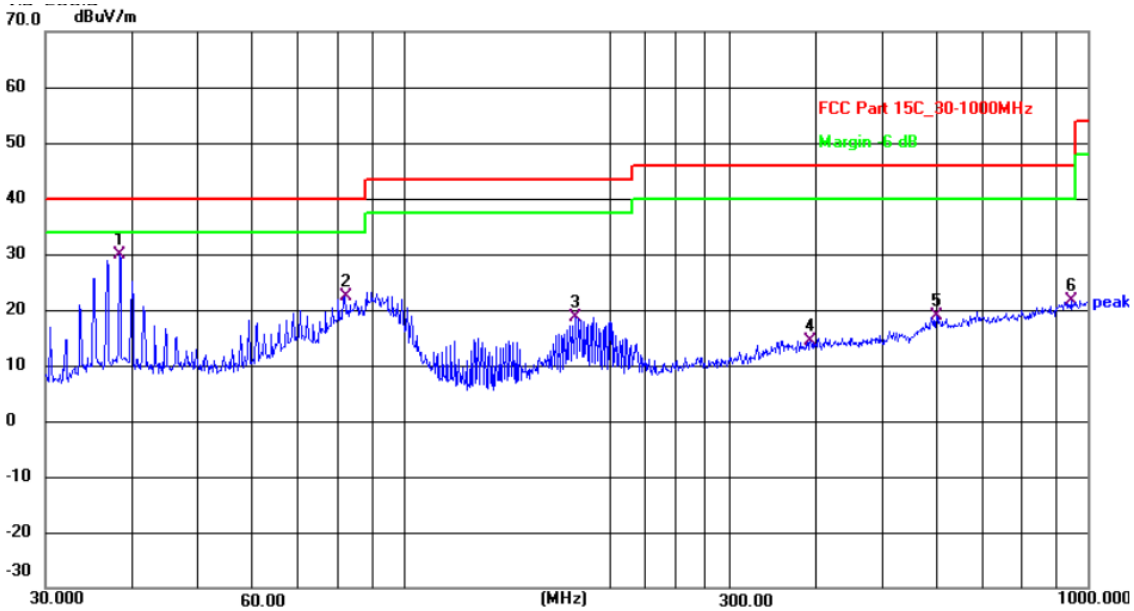
30MHz ~ 1GHz

Horizontal:



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.4809	41.10	-17.13	23.97	40.00	-16.03	QP
2	84.7019	41.21	-19.79	21.42	40.00	-18.58	QP
3	200.6881	35.50	-18.47	17.03	43.50	-26.47	QP
4	360.4476	27.90	-13.79	14.11	46.00	-31.89	QP
5	603.5392	28.77	-10.00	18.77	46.00	-27.23	QP
6	935.5463	28.85	-7.15	21.70	46.00	-24.30	QP

Vertical:

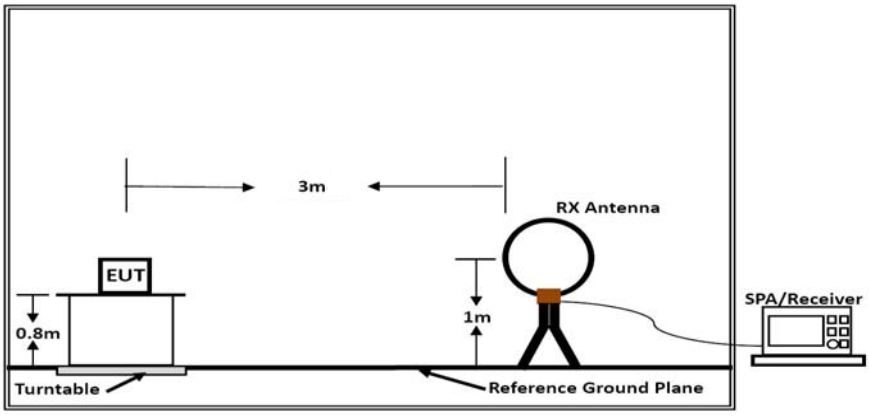


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	38.4809	47.41	-17.62	29.79	40.00	-10.21	QP
2	82.0706	42.09	-19.67	22.42	40.00	-17.58	QP
3	178.7584	37.46	-18.79	18.67	43.50	-24.83	QP
4	393.4723	28.92	-14.49	14.43	46.00	-31.57	QP
5	601.4265	29.25	-10.47	18.78	46.00	-27.22	QP
6	945.4399	29.84	-8.12	21.72	46.00	-24.28	QP

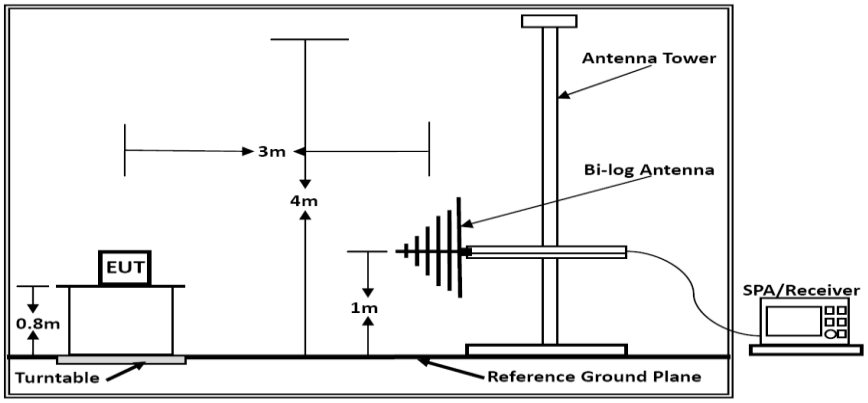
Note:
Pre-scan all modes and recorded the worst case results in this report.
Emission level (dBuV/m) = 20 log Emission level (uV/m).
Corrected Reading: Factor + Read Level = Level.
Margin=Level – Limit.

5.2. Field Strength of Fundamental Emissions and Mask Measurement

5.2.1. Block Diagram of Test Setup



Below 30MHz



Below 1GHz

5.2.2. Field strength of fundamental emissions limit and Mask limit

The field strength of fundamental emissions shall not exceed 15848 microvolts/meter at 30 meters. The emissions limit in this paragraph is based on measurement instrumentation employing a QP detector.

Frequencies (MHz)	Field Strength (microvolts/meter)	Field Strength (dBμV/m) at 10m	Field Strength (dBμV/m) at 3m
13.553 ~ 13.567MHz	15848 at 30m	103.08 (QP)	124 (QP)

Mask Limit:

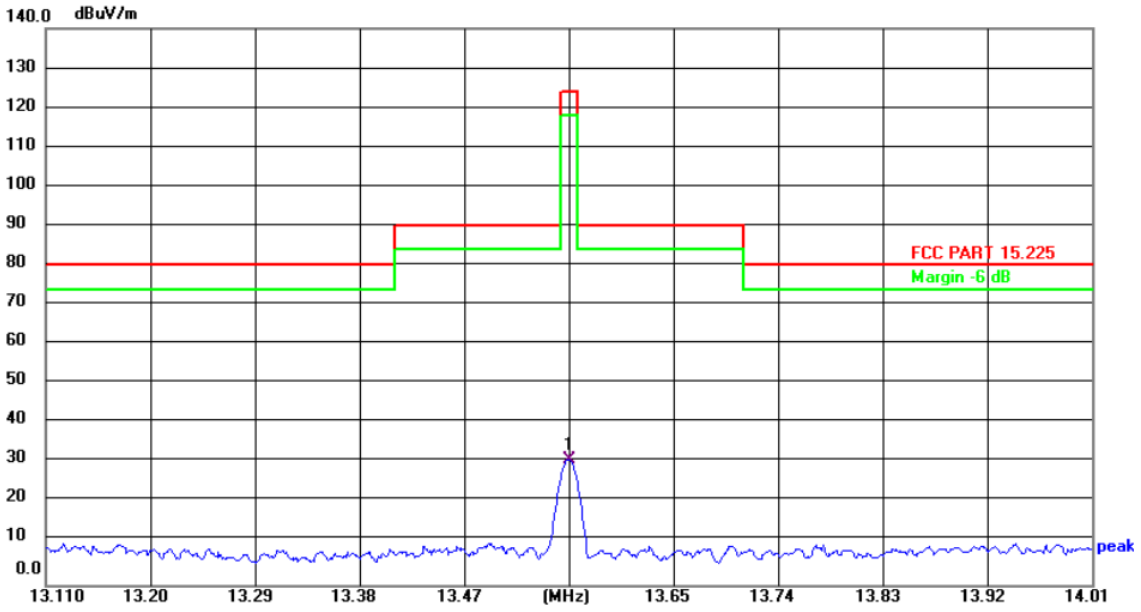
Frequency (MHz)	Limit (dBuV/m)	Distance (m)
1.705-13.110	69.5	3
13.110-13.410	80.5	3
13.410-13.553	90.5	3
13.553-13.567	124.0	3
13.567-13.710	90.5	3
13.710-14.010	80.5	3
14.010-30.000	69.5	3

5.2.3. Test Results

Temperature	23.7℃	Humidity	52.6%
Test Engineer	Paddi Chen	Configurations	NFC

PASS.
The test data please refer to following page:

X axis



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	13.5600	41.30	-9.50	31.80	124.00	-92.20	QP

**Note: Factor= Antenna Factor + Cable Loss*
Measured= Reading + Factor, Margin= Measured - Limit
Emission level (dBμV/m) = 20 log Emission level (μV/m).
Measured distance is 3m.
All emissions emit from non-NFC function of digital unintentional emissions. All NFC's spurious emissions are below 20dB of limits.
X axis / Y axis/ Z axis were tested,report only recorded the worst result of X axis.

6. BANDWIDTH OF THE OPERATING FREQUENCY

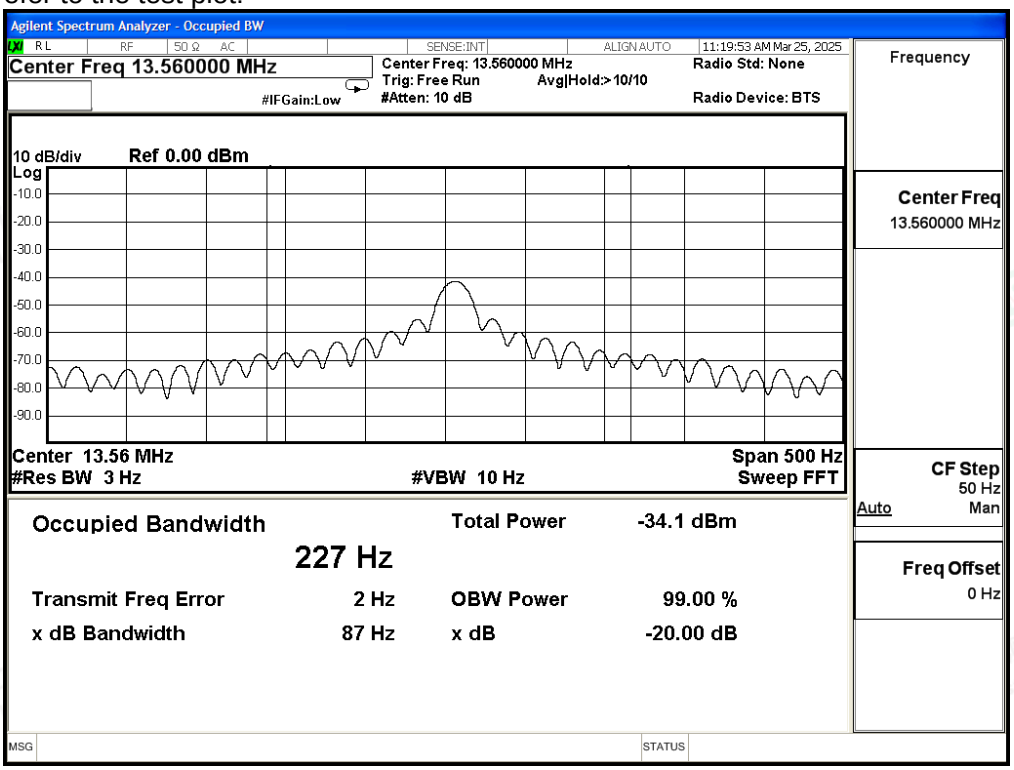
6.1. Standard Applicable

Intentional radiators must be designed to ensure that the 20 dB bandwidth of the emissions in the specific band (13.553 ~ 13.567MHz).

6.2. Test Result

EUT	Smart Phone
RBW	3Hz
VBW	10Hz
SPAN	500Hz
Carrier Frequency (MHz)	20dB Bandwidth (KHz)
13.56	0.087

Please refer to the test plot:



7. FREQUENCY STABILITY MEASUREMENT

7.1 Standard Applicable

The frequency tolerance of the carrier signal shall be maintained within +/- 0.01% (100ppm) of the operating frequency over a temperature variation of -20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a full charged battery.

7.2 Test Result

Voltage vs. Frequency Stability

Voltage(V)	Measurement Frequency (MHz)	Deviation (KHz)	Deviation (ppm)	Limit (ppm)
VN	13.56037	0.37	27.21	100
VL	13.56041	0.41	30.17	100
VH	13.56027	0.27	20.22	100

Temperature vs. Frequency Stability

Temperature (℃)	Measurement Frequency (MHz)	Deviation (KHz)	Deviation (ppm)	Limit (ppm)
-20	13.56027	0.27	20.26	100
-10	13.56019	0.19	14.15	100
0	13.56029	0.29	21.33	100
10	13.56036	0.36	26.72	100
20	13.56042	0.42	30.67	100
30	13.56030	0.30	22.49	100
40	13.56040	0.40	29.43	100
50	13.56031	0.31	22.80	100

8. LINE CONDUCTED EMISSIONS

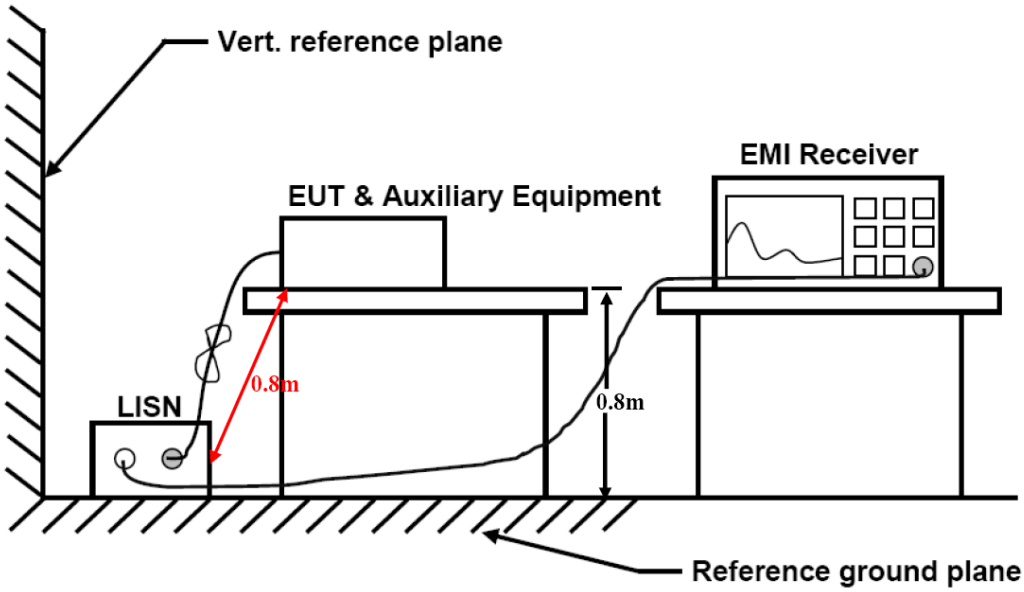
8.1. Standard Applicable

According to §15.207(a): For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolts (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range are listed as follows:

Frequency Range (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

* Decreasing linearly with the logarithm of the frequency

8.2. Block Diagram of Test Setup



8.3 Disturbance Calculation

The AC mains conducted disturbance is calculated by adding the 10dB Pulse Limiter and Cable Factor and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

CD (dBuV) = RA (dBuV) + PL (dB) + CL (dB)

Where CD = Conducted Disturbance	CL = Cable Attenuation Factor (Cable Loss)
RA = Reading Amplitude	PL = 10 dB Pulse Limiter Factor

8.4. Test Results

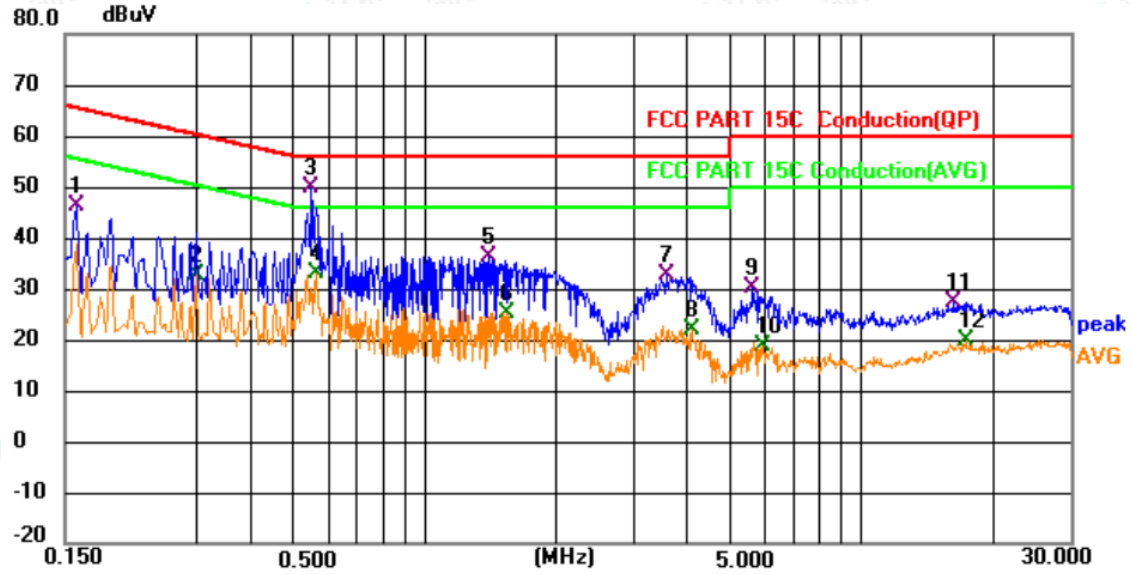
PASS.

Temperature	22.5℃	Humidity	53.7%
Test Engineer	Paddi Chen	Configurations	NFC

The test data please refer to following page.

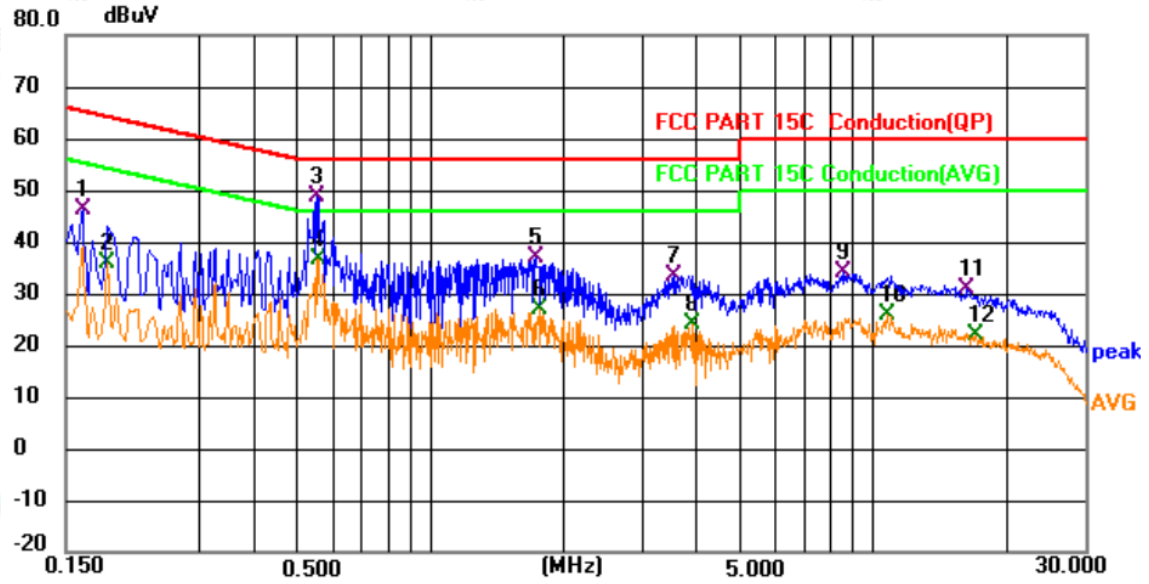
AC Conducted Emission @ AC 120V/60Hz (worst case)

Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.159	26.49	19.84	46.33	65.52	-19.19	QP	
2		0.298	12.74	19.81	32.55	50.30	-17.75	AVG	
3	*	0.550	30.18	19.68	49.86	56.00	-6.14	QP	
4		0.564	13.23	19.64	32.87	46.00	-13.13	AVG	
5		1.410	17.36	19.06	36.42	56.00	-19.58	QP	
6		1.540	6.23	19.03	25.26	46.00	-20.74	AVG	
7		3.583	13.50	19.20	32.70	56.00	-23.30	QP	
8		4.074	2.78	19.15	21.93	46.00	-24.07	AVG	
9		5.649	11.19	18.90	30.09	60.00	-29.91	QP	
10		5.946	-0.29	18.89	18.60	50.00	-31.40	AVG	
11		16.220	7.53	19.74	27.27	60.00	-32.73	QP	
12		17.345	0.12	19.53	19.65	50.00	-30.35	AVG	

Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.164	26.74	19.64	46.38	65.26	-18.88	QP	
2		0.186	16.02	19.72	35.74	54.21	-18.47	AVG	
3	*	0.555	29.38	19.42	48.80	56.00	-7.20	QP	
4		0.559	17.28	19.42	36.70	46.00	-9.30	AVG	
5		1.730	17.85	19.05	36.90	56.00	-19.10	QP	
6		1.761	7.81	19.07	26.88	46.00	-19.12	AVG	
7		3.557	14.54	18.99	33.53	56.00	-22.47	QP	
8		3.908	5.28	18.99	24.27	46.00	-21.73	AVG	
9		8.515	14.11	19.83	33.94	60.00	-26.06	QP	
10		10.757	6.17	19.56	25.73	50.00	-24.27	AVG	
11		16.309	11.18	19.56	30.74	60.00	-29.26	QP	
12		17.043	2.57	19.45	22.02	50.00	-27.98	AVG	

Measurement =Reading + Correct, Margin = Measurement – Limit.
Correct Factor=Lisn Factor+Cable Factor+Insertion loss of Pulse Limiter

9. ANTENNA REQUIREMENTS

9.1 Standard Applicable

According to antenna requirement of §15.203.

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be re-placed by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

9.2 Antenna Connected Construction

9.2.1. Standard Applicable

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

9.2.2. Antenna Connector Construction

The gains of antenna used for transmitting is 0dBi, and the antenna is Internal Antenna connect to PCB board and no consideration of replacement. Please see the antenna photo for details.

9.2.3. Results: Compliance.

10. LIST OF MEASURING EQUIPMENTS

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power Meter	R&S	NRVS	100444	2024-06-06	2025-06-05
2	Power Sensor	R&S	NRV-Z81	100458	2024-06-06	2025-06-05
3	Power Sensor	R&S	NRV-Z32	10057	2024-06-06	2025-06-05
4	Test Software	Tonscend	JS1120-2	/	N/A	N/A
5	RF Control Unit	Tonscend	JS0806-2	N/A	2024-11-08	2025-11-07
6	MXA Signal Analyzer	Agilent	N9020A	MY50510140	2024-10-08	2025-10-07
7	DC Power Supply	Agilent	E3642A	N/A	2024-10-08	2025-10-07
8	EMI Test Software	AUDIX	E3	/	N/A	N/A
9	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2024-06-06	2025-06-05
10	Positioning Controller	Max-Full	MF7802BS	MF780208586	N/A	N/A
11	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2024-07-13	2027-07-12
12	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2024-08-03	2027-08-02
13	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2024-07-13	2027-07-12
14	Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	791	2024-07-13	2027-07-12
15	Broadband Preamplifier	SCHWARZBECK	BBV9719	9719-025	2024-07-30	2025-07-29
16	EMI Test Receiver	R&S	ESR 7	101181	2024-06-06	2025-06-05
17	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2024-06-06	2025-06-05
18	Low-frequency amplifier	SchwarzZBECK	BBV9745	00253	2024-10-08	2025-10-07
19	High-frequency amplifier	JS Denki Pte	PA0118-43	JSPA21009	2024-10-08	2025-10-07
20	6dB Attenuator	/	100W/6dB	1172040	2024-06-06	2025-06-05
21	3dB Attenuator	/	2N-3dB	/	2024-10-08	2025-10-07
22	EMI Test Receiver	R&S	ESPI	101940	2024-06-06	2025-06-05
23	Artificial Mains	R&S	ENV216	101288	2024-06-06	2025-06-05
24	10dB Attenuator	SCHWARZBECK	MTS-IMP-136	261115-001-0032	2024-06-06	2025-06-05
25	EMI Test Software	Farad	EZ	/	N/A	N/A
26	Antenna Mast	Max-Full	MFA-515BSN	1308572	N/A	N/A
27	Pulse Limiter	R&S	ESH3-Z2	102750-NB	2024-06-06	2025-06-05

11. Test Setup Photographs of Eut

Please refer to separated files for Test Setup Photos of the EUT.

12. Exterior Photographs of the Eut

Please refer to separated files for Exterior Photos of the EUT.

13. Interior Photographs of the Eut

Please refer to separated files for Interior Photos of the EUT.

----------THE END OF REPORT----------

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Smart Phone

Test Model: BraX3

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng

A.1 -20dB Bandwidth

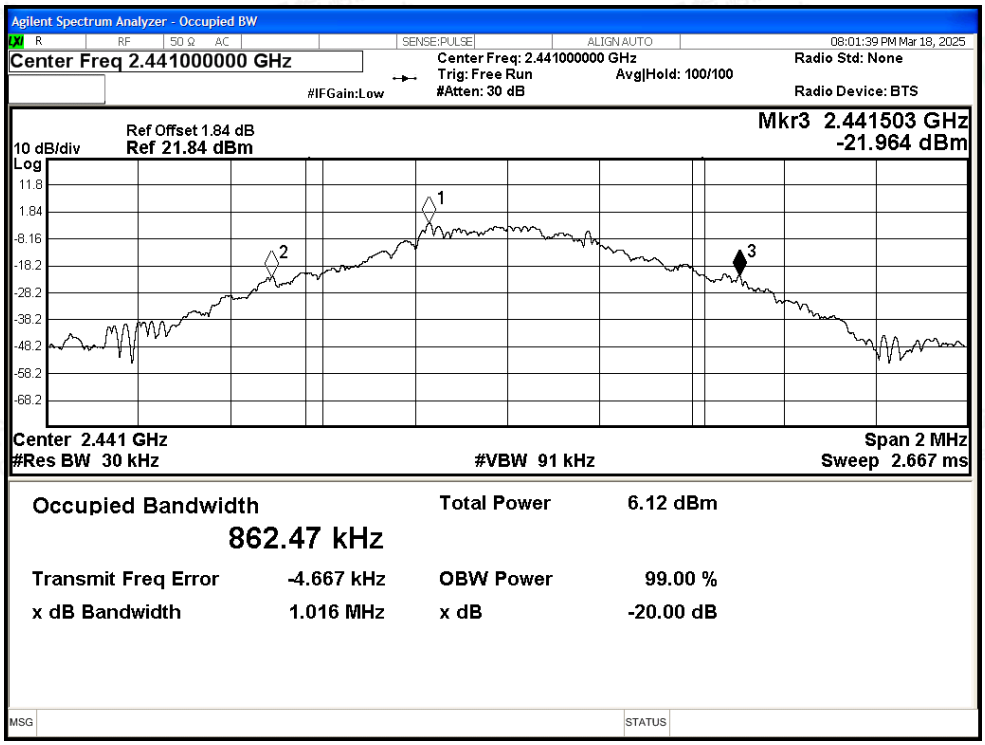
Condition	Mode	Frequency (MHz)	Antenna	-20 dB Bandwidth (MHz)	Limit -20 dB Bandwidth (MHz)	Verdict
NVNT	1-DH5	2402	Ant	0.954	N/A	Pass
NVNT	1-DH5	2441	Ant	1.016	N/A	Pass
NVNT	1-DH5	2480	Ant	0.962	N/A	Pass
NVNT	2-DH5	2402	Ant	1.282	N/A	Pass
NVNT	2-DH5	2441	Ant	1.283	N/A	Pass
NVNT	2-DH5	2480	Ant	1.289	N/A	Pass
NVNT	3-DH5	2402	Ant	1.298	N/A	Pass
NVNT	3-DH5	2441	Ant	1.295	N/A	Pass
NVNT	3-DH5	2480	Ant	1.295	N/A	Pass

Test Graphs

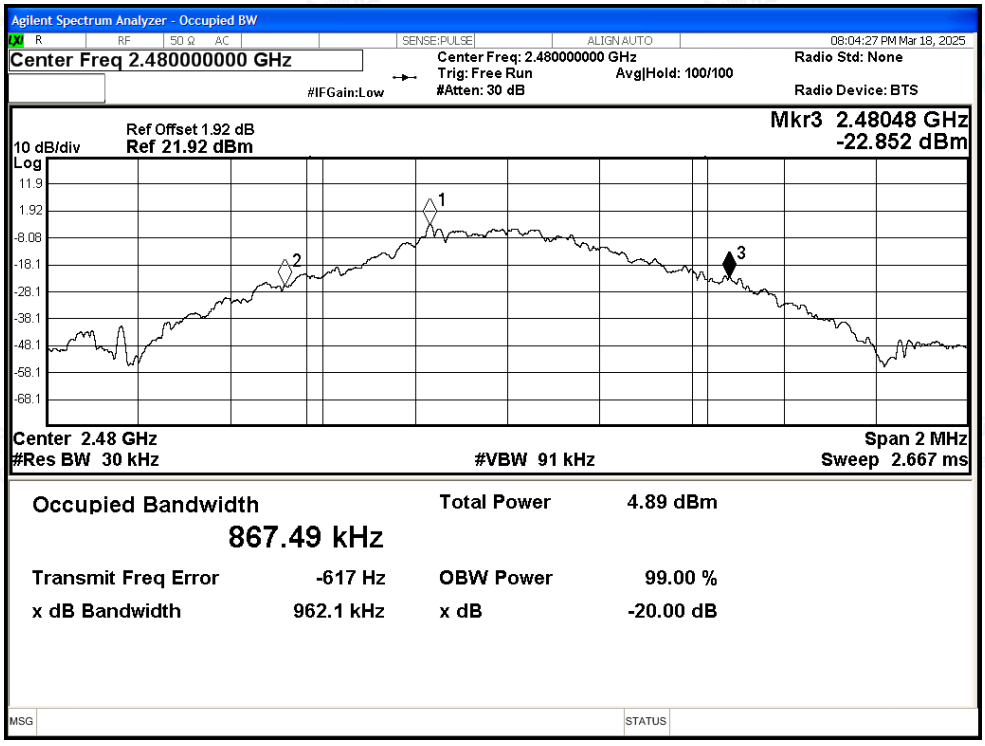
-20dB Bandwidth NVNT 1-DH5 2402MHz Ant



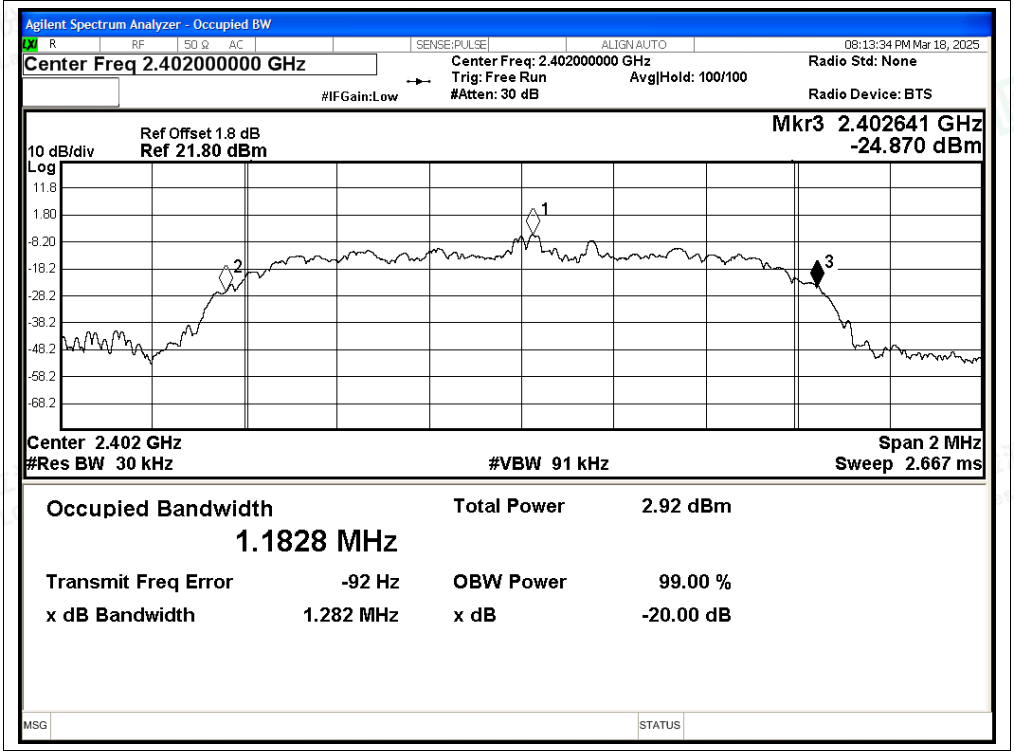
-20dB Bandwidth NVNT 1-DH5 2441MHz Ant



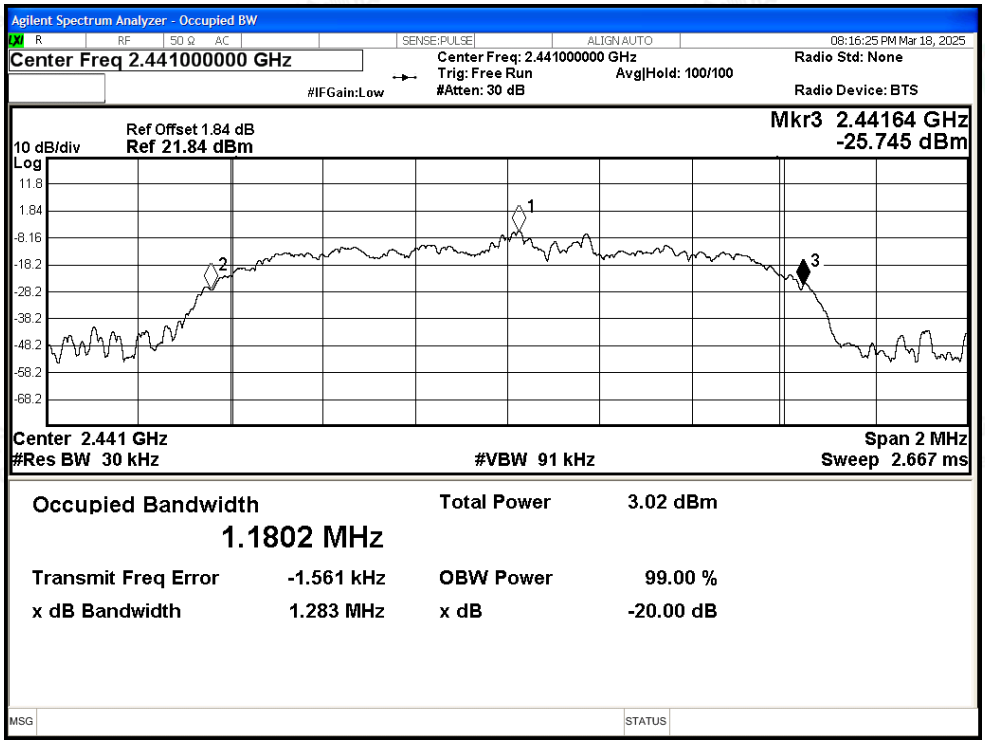
-20dB Bandwidth NVNT 1-DH5 2480MHz Ant



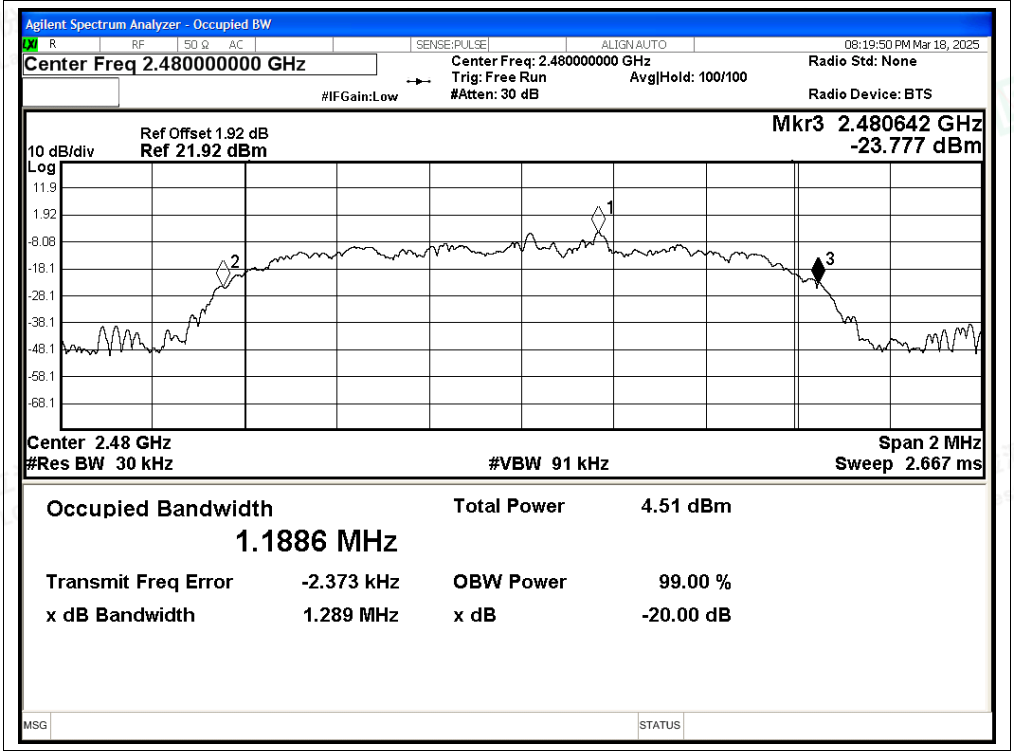
-20dB Bandwidth NVNT 2-DH5 2402MHz Ant



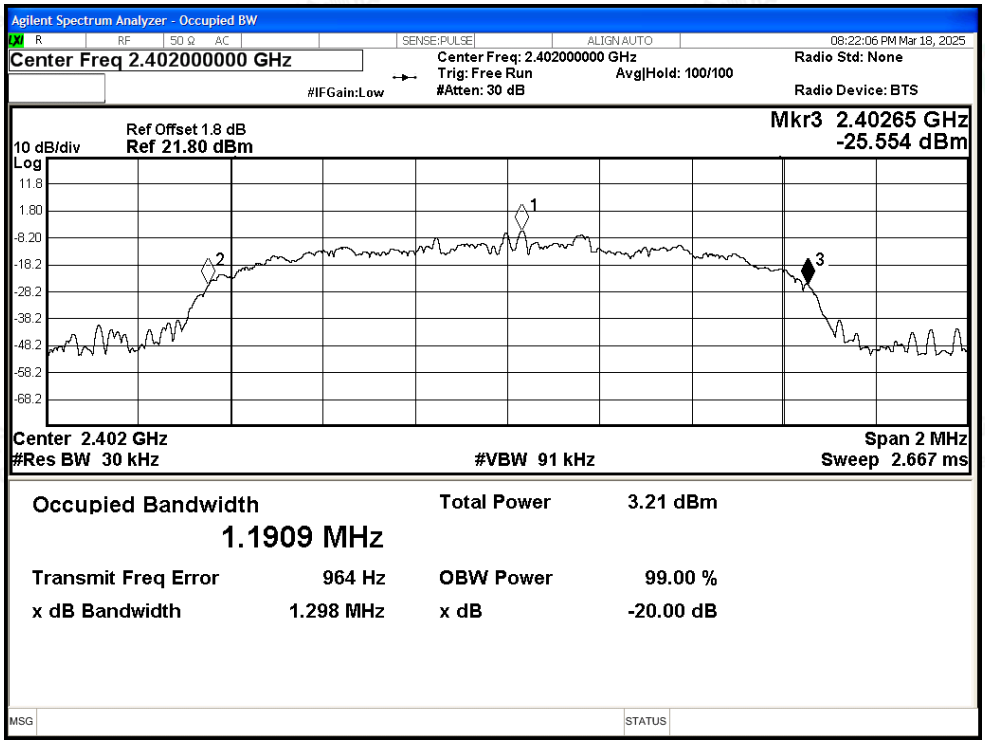
-20dB Bandwidth NVNT 2-DH5 2441MHz Ant



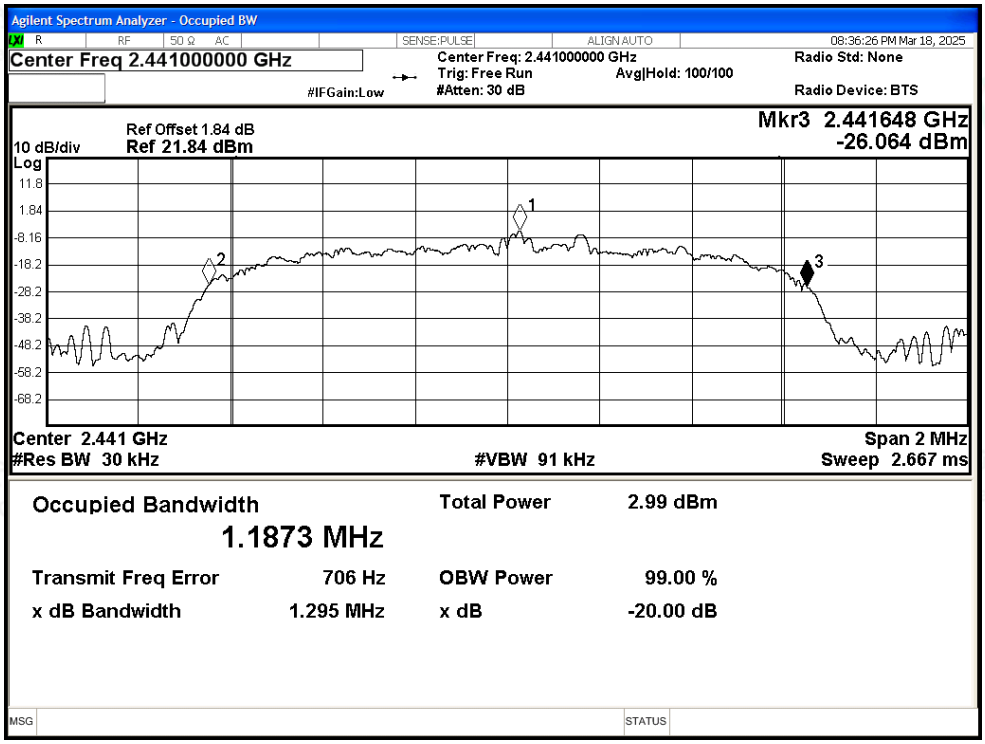
-20dB Bandwidth NVNT 2-DH5 2480MHz Ant



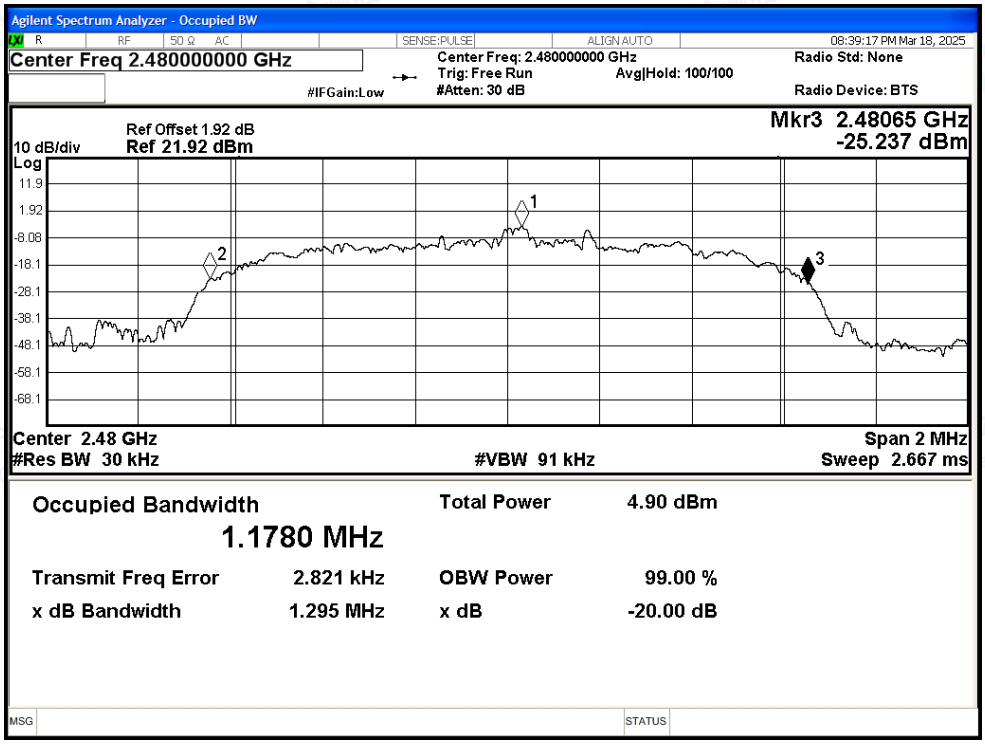
-20dB Bandwidth NVNT 3-DH5 2402MHz Ant



-20dB Bandwidth NVNT 3-DH5 2441MHz Ant



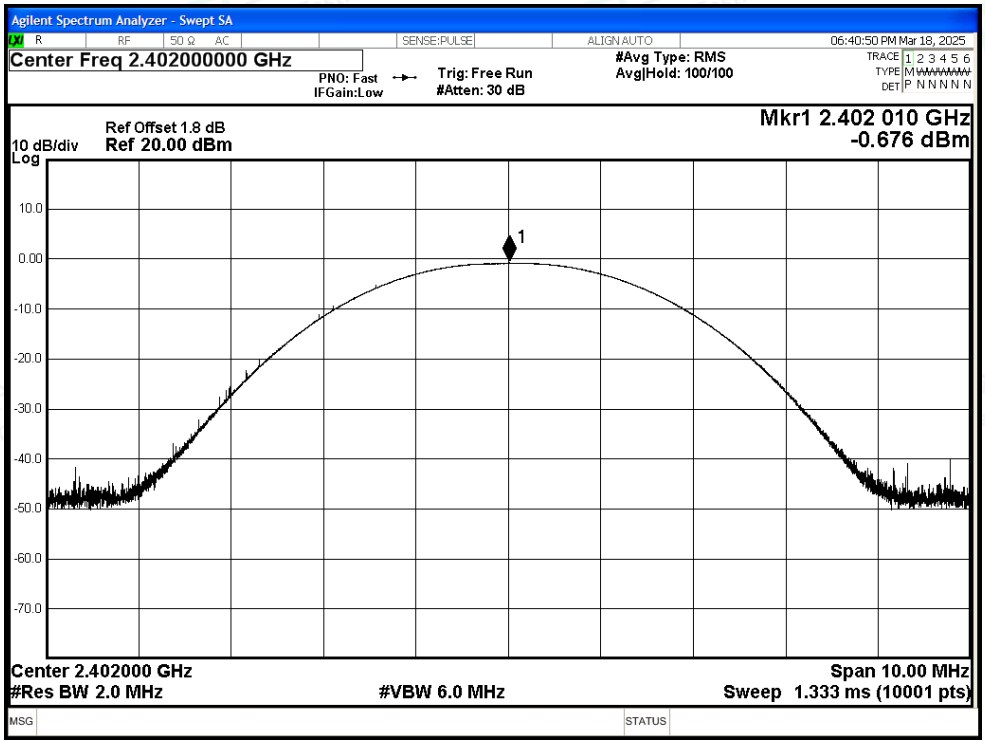
-20dB Bandwidth NVNT 3-DH5 2480MHz Ant



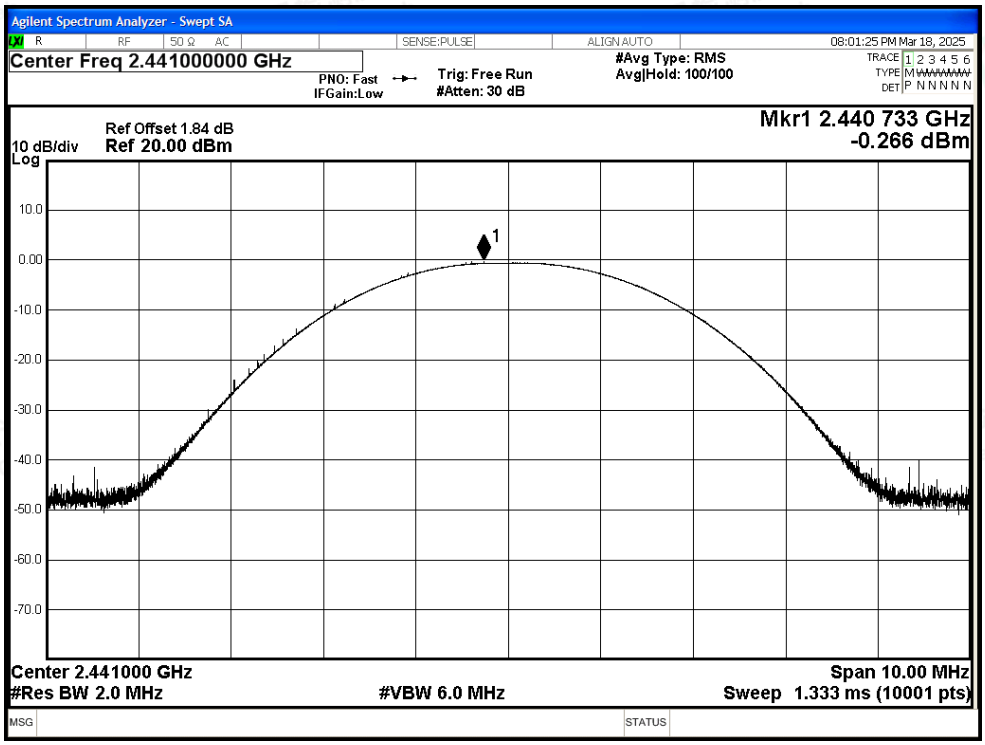
A.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	Ant	-0.68	21	Pass
NVNT	1-DH5	2441	Ant	-0.27	21	Pass
NVNT	1-DH5	2480	Ant	-1.3	21	Pass
NVNT	2-DH5	2402	Ant	-1.21	21	Pass
NVNT	2-DH5	2441	Ant	-1.57	21	Pass
NVNT	2-DH5	2480	Ant	0.37	21	Pass
NVNT	3-DH5	2402	Ant	-0.78	21	Pass
NVNT	3-DH5	2441	Ant	-1.31	21	Pass
NVNT	3-DH5	2480	Ant	0.68	21	Pass

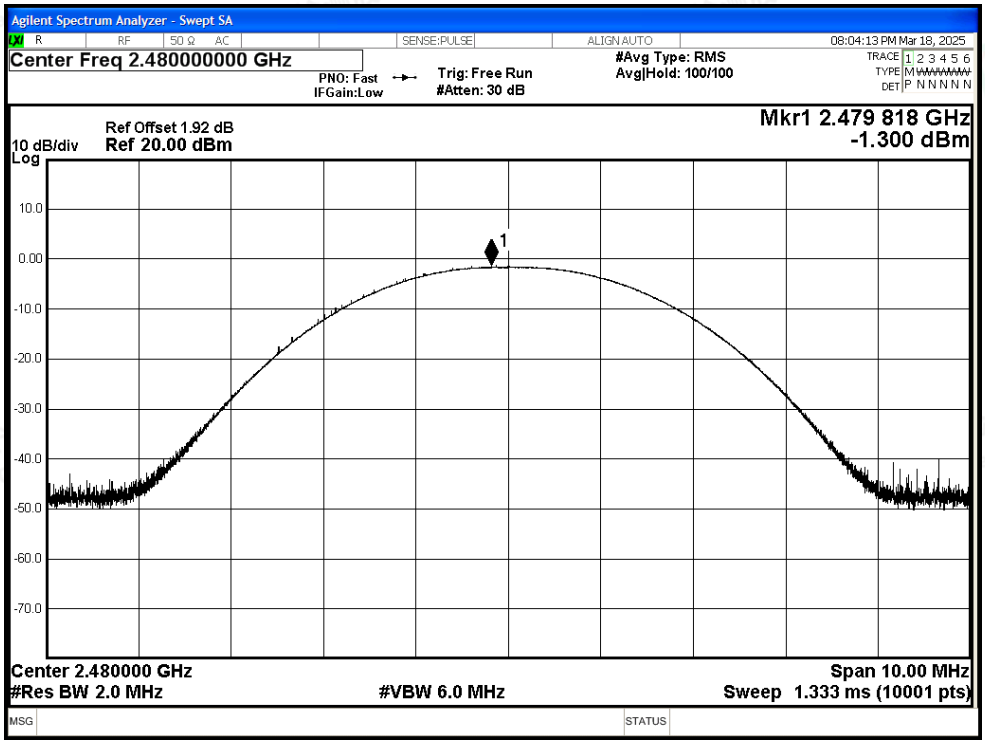
Test Graphs
Power NVNT 1-DH5 2402MHz Ant



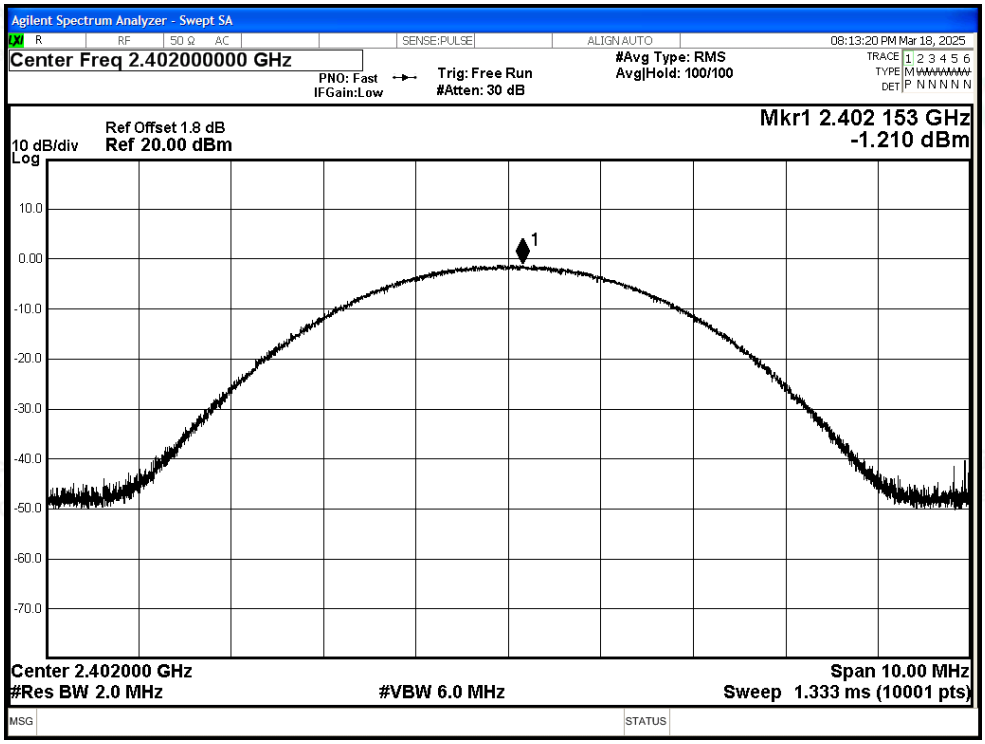
Power NVNT 1-DH5 2441MHz Ant



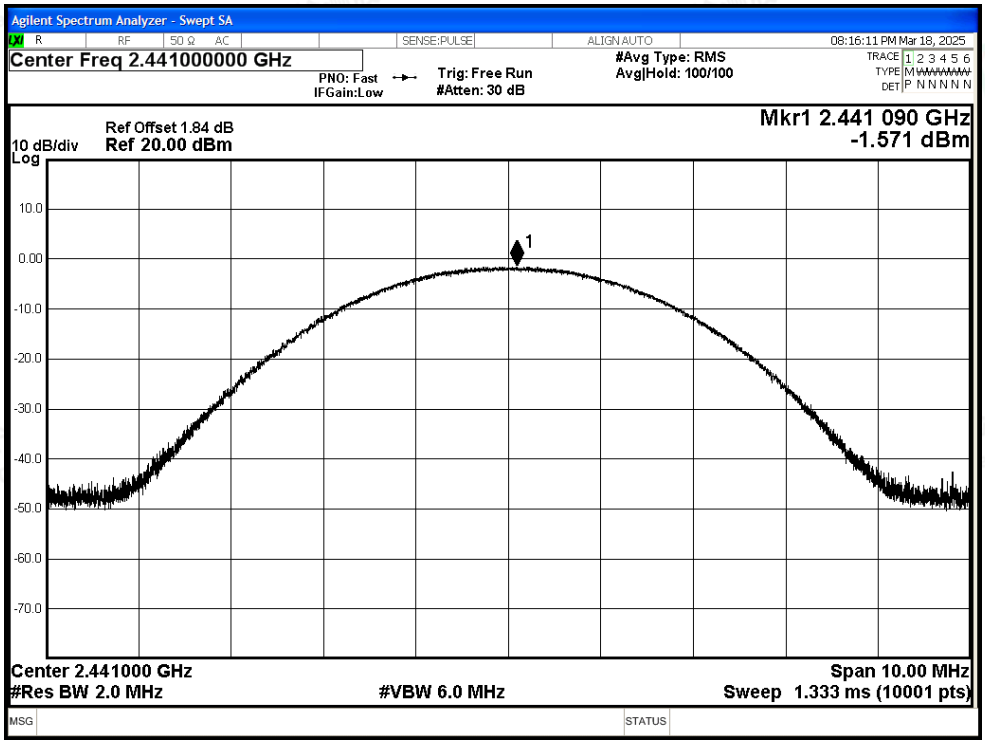
Power NVNT 1-DH5 2480MHz Ant



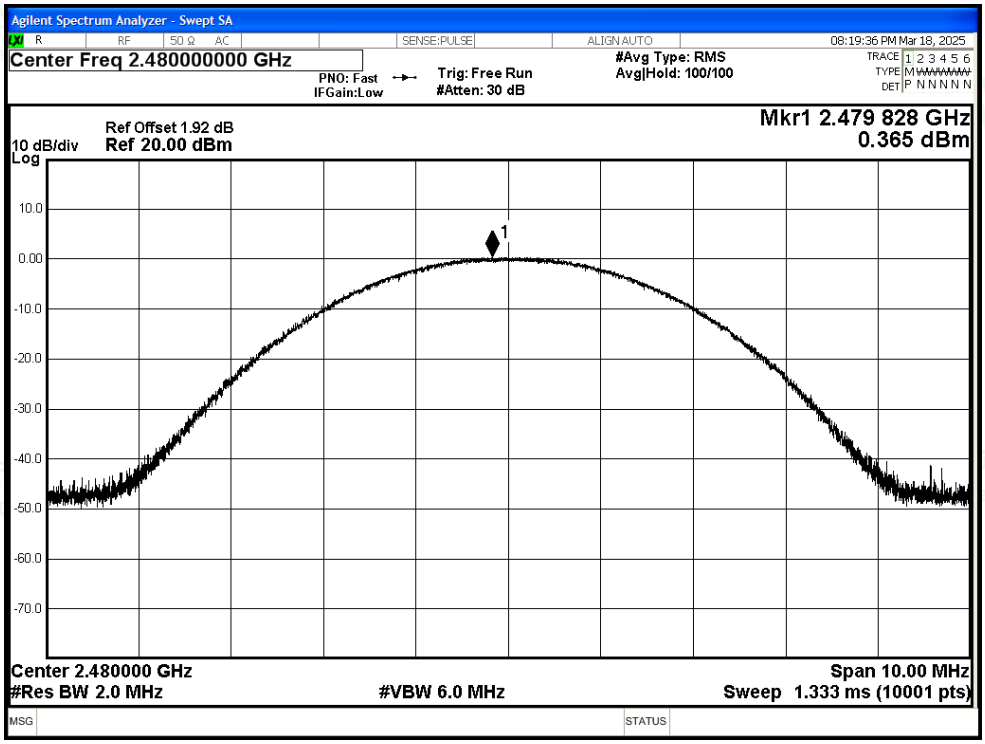
Power NVNT 2-DH5 2402MHz Ant



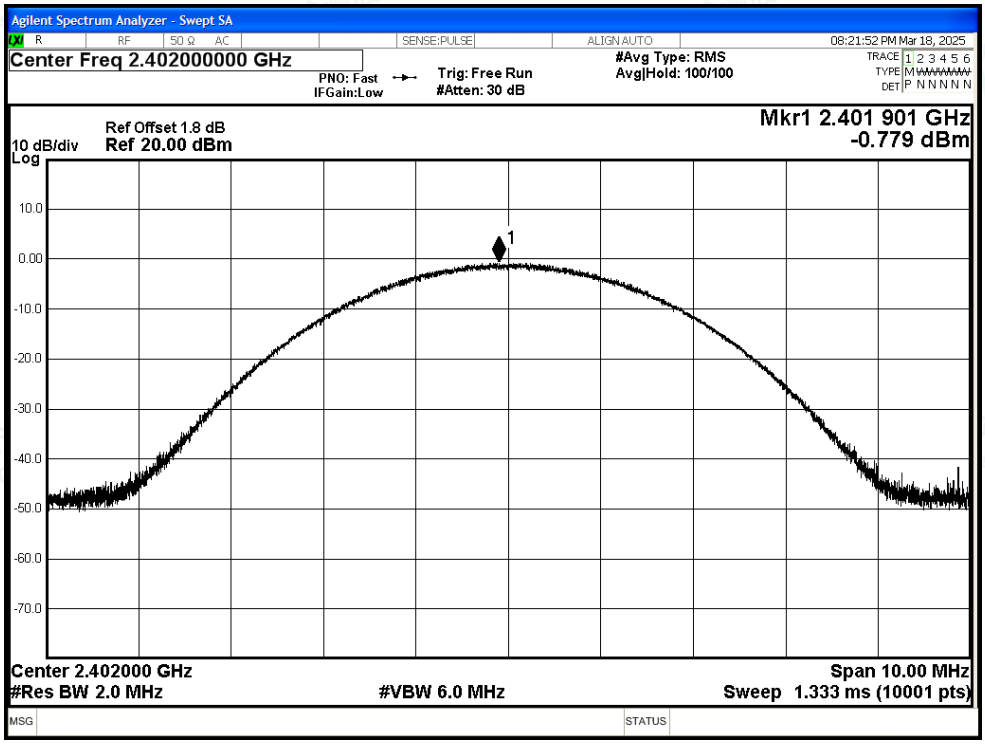
Power NVNT 2-DH5 2441MHz Ant



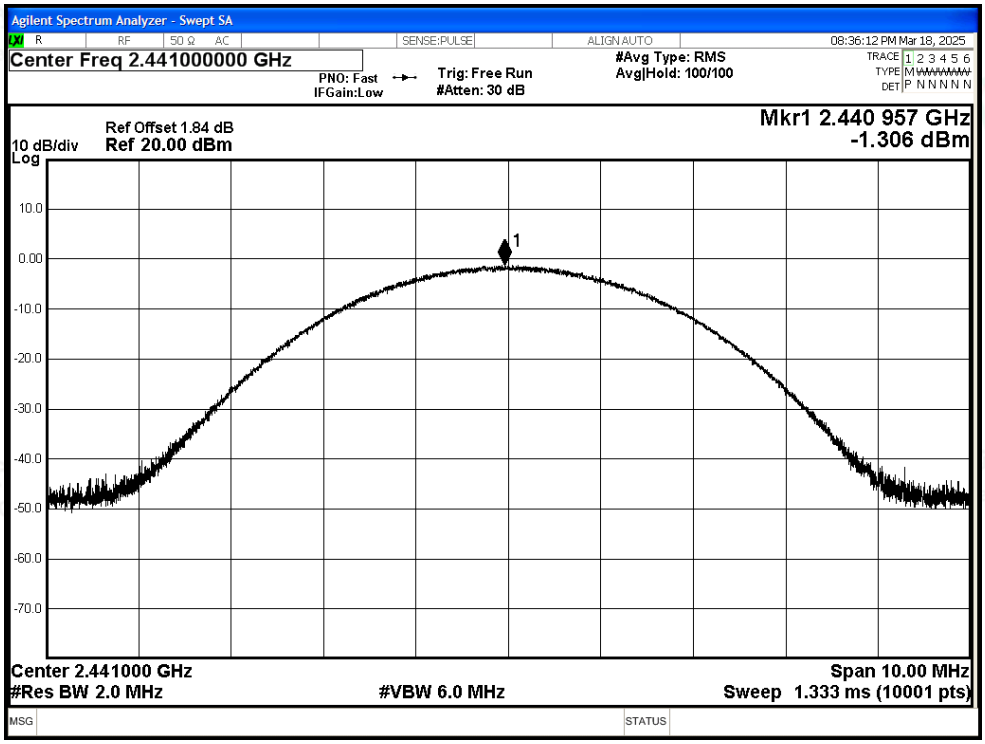
Power NVNT 2-DH5 2480MHz Ant



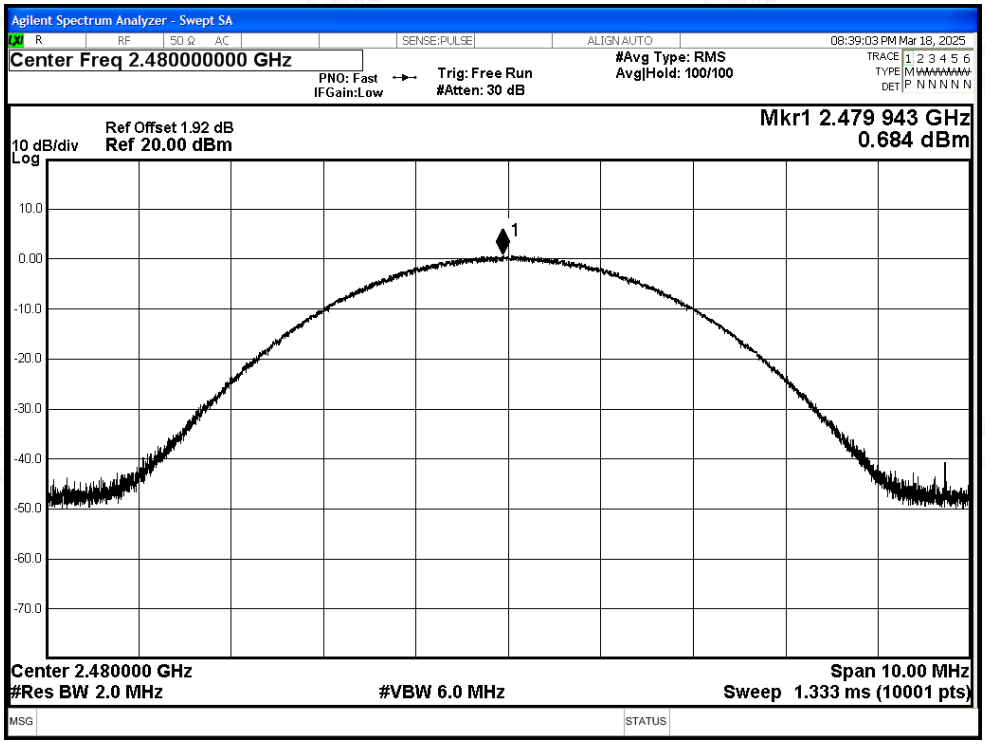
Power NVNT 3-DH5 2402MHz Ant



Power NVNT 3-DH5 2441MHz Ant



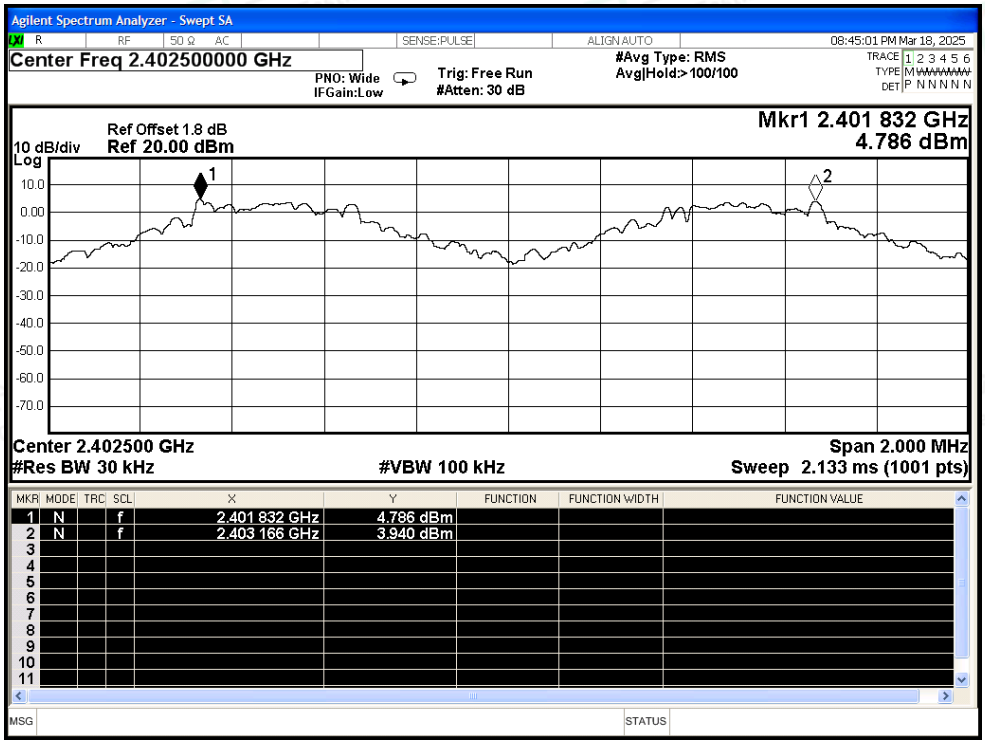
Power NVNT 3-DH5 2480MHz Ant



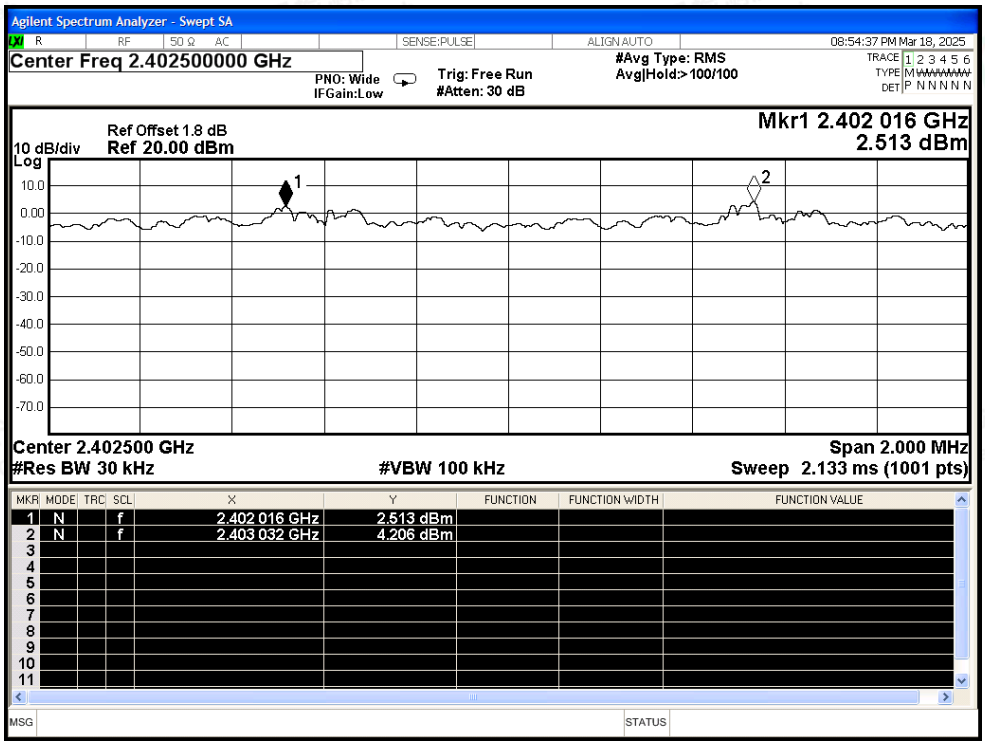
A.3 Carrier Frequencies Separation

Condition	Mode	Antenna	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	Ant	2401.832	2403.166	1.334	0.677	Pass
NVNT	2-DH5	Ant	2402.016	2403.032	1.016	0.859	Pass
NVNT	3-DH5	Ant	2402.028	2403.006	0.978	0.865	Pass

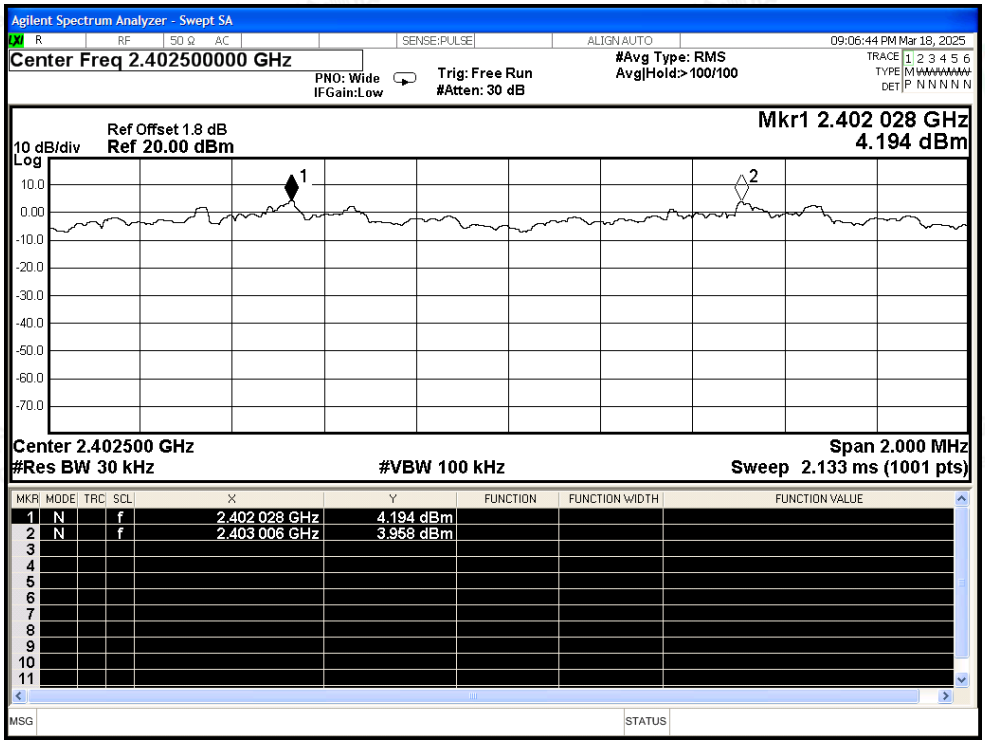
Test Graphs
CFS NVNT 1-DH5 2402MHz Ant



CFS NVNT 2-DH5 2402MHz Ant



CFS NVNT 3-DH5 2402MHz Ant

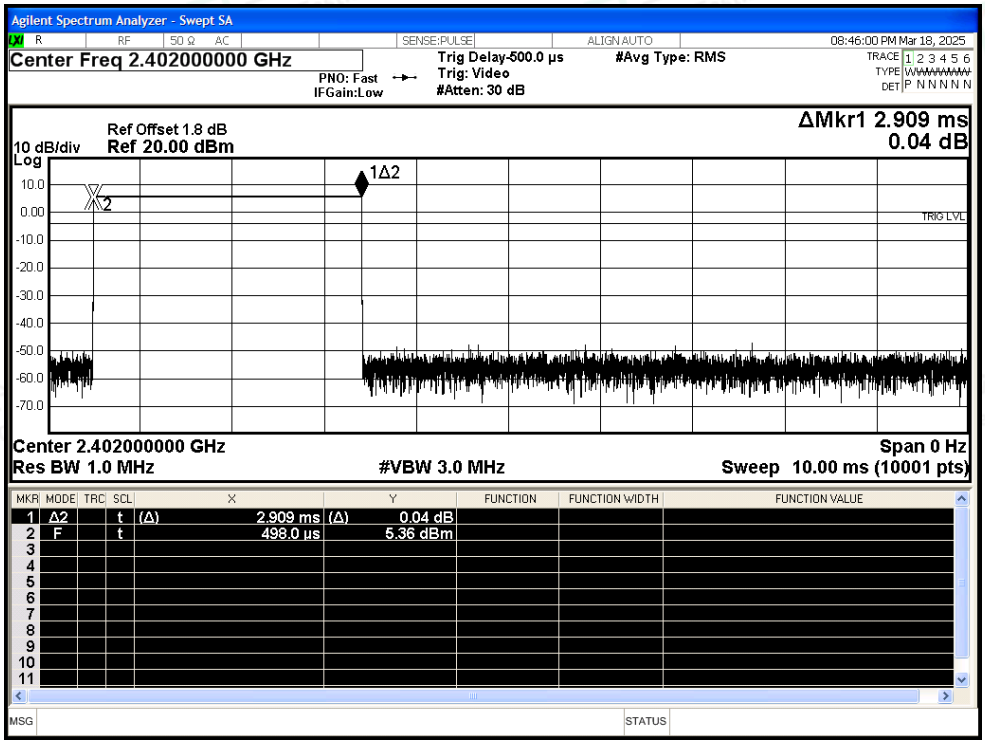


A.4 Dwell Time

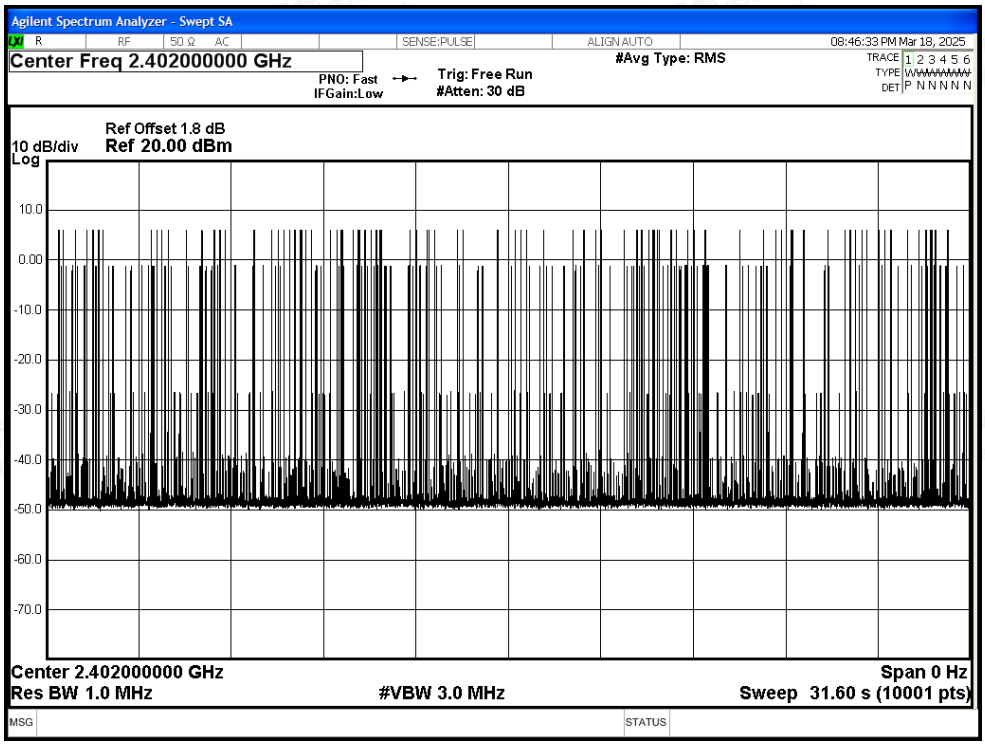
Condition	Mode	Frequency (MHz)	Antenna	Pulse Time (ms)	Total Dwell Time (ms)	Burst Count	Period Time (ms)	Limit (ms)	Verdict
NVNT	1-DH5	2402	Ant	2.909	314.172	108	31600	400	Pass
NVNT	2-DH5	2402	Ant	2.899	301.496	104	31600	400	Pass
NVNT	3-DH5	2402	Ant	2.897	330.258	114	31600	400	Pass

Test Graphs

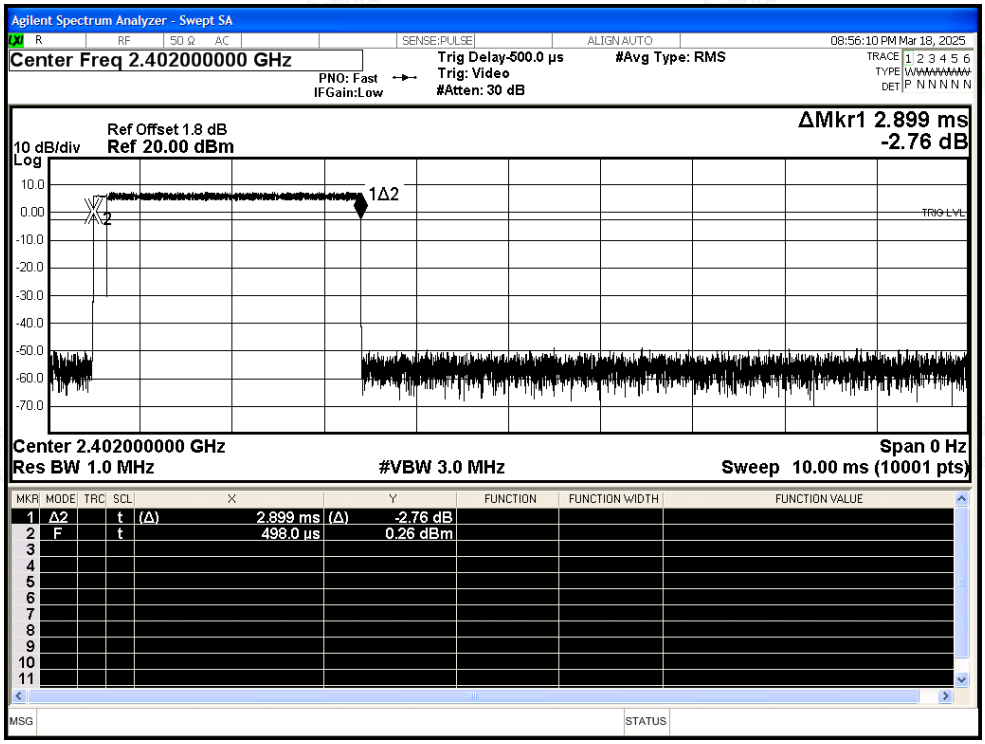
Dwell NVNT 1-DH5 2402MHz Ant One Burst



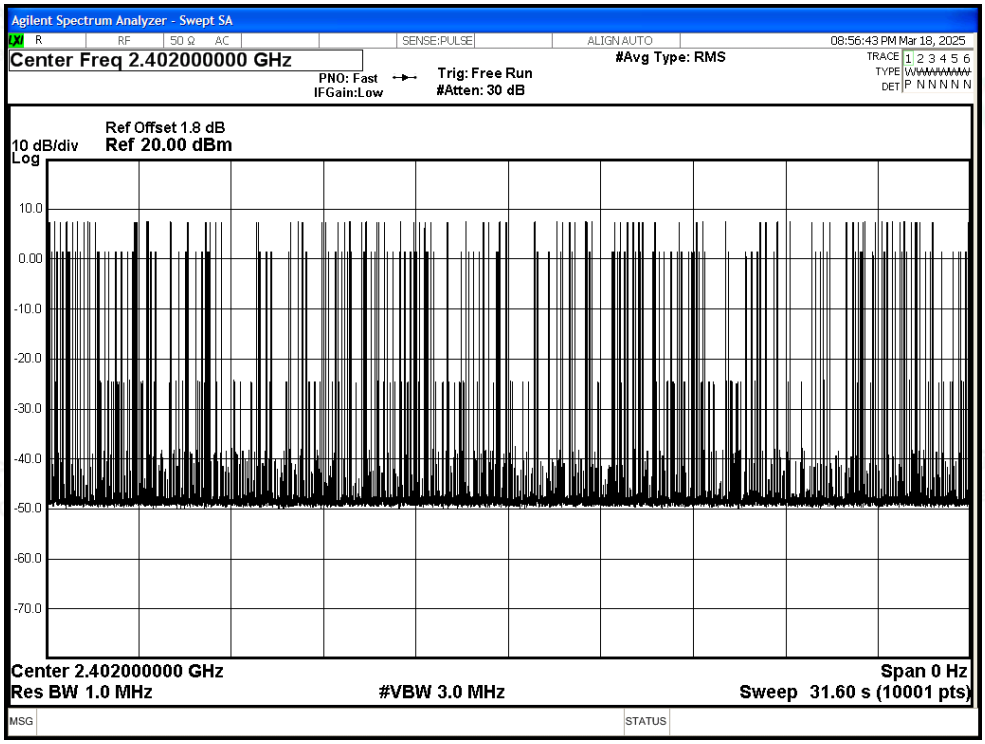
Dwell NVNT 1-DH5 2402MHz Ant Accumulated



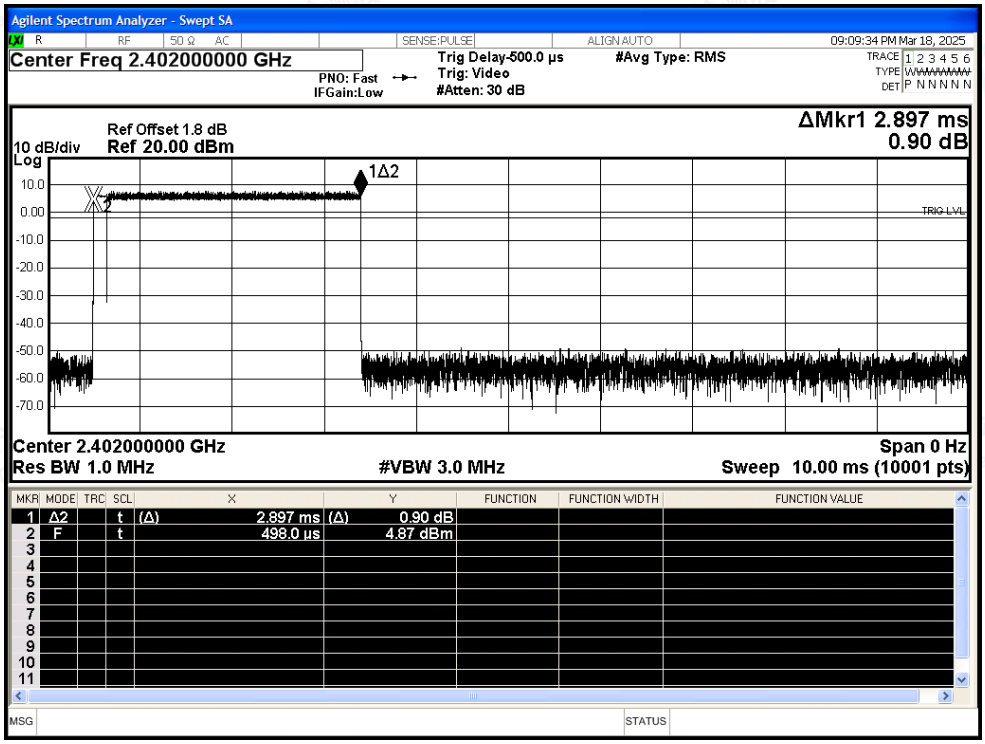
Dwell NVNT 2-DH5 2402MHz Ant One Burst



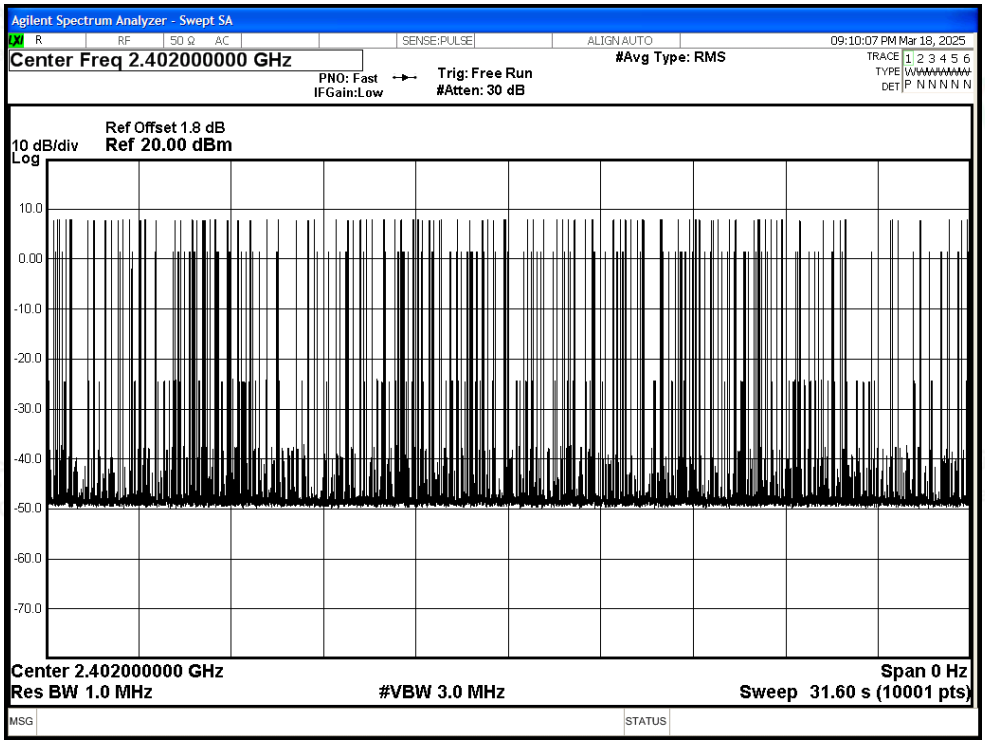
Dwell NVNT 2-DH5 2402MHz Ant Accumulated



Dwell NVNT 3-DH5 2402MHz Ant One Burst



Dwell NVNT 3-DH5 2402MHz Ant Accumulated

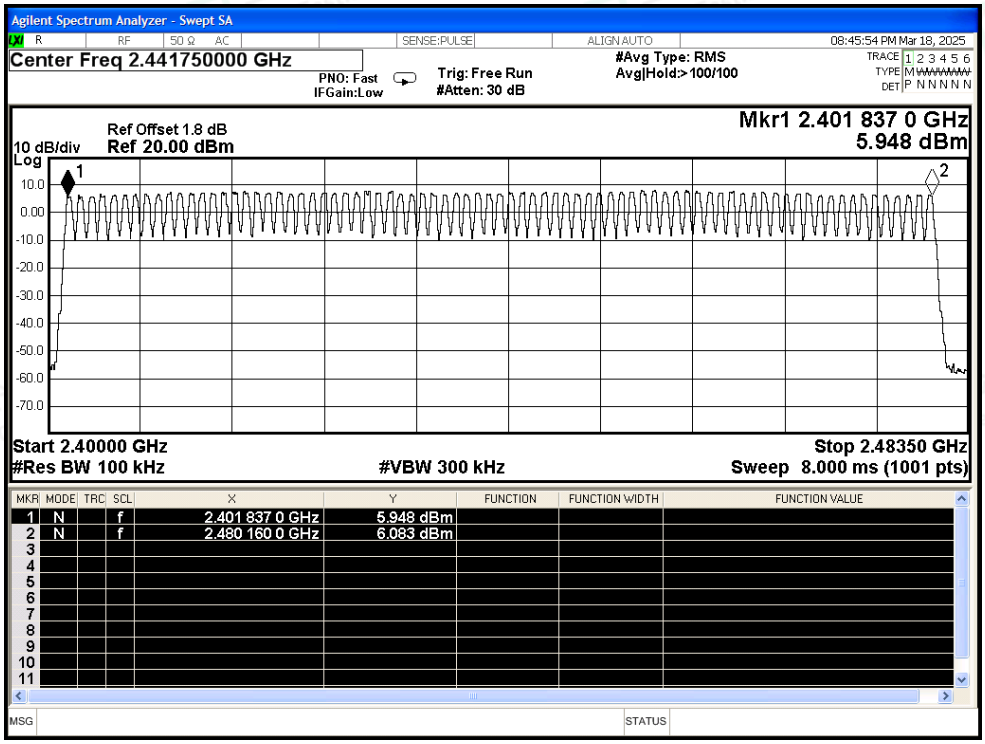


A.5 Number of Hopping Channel

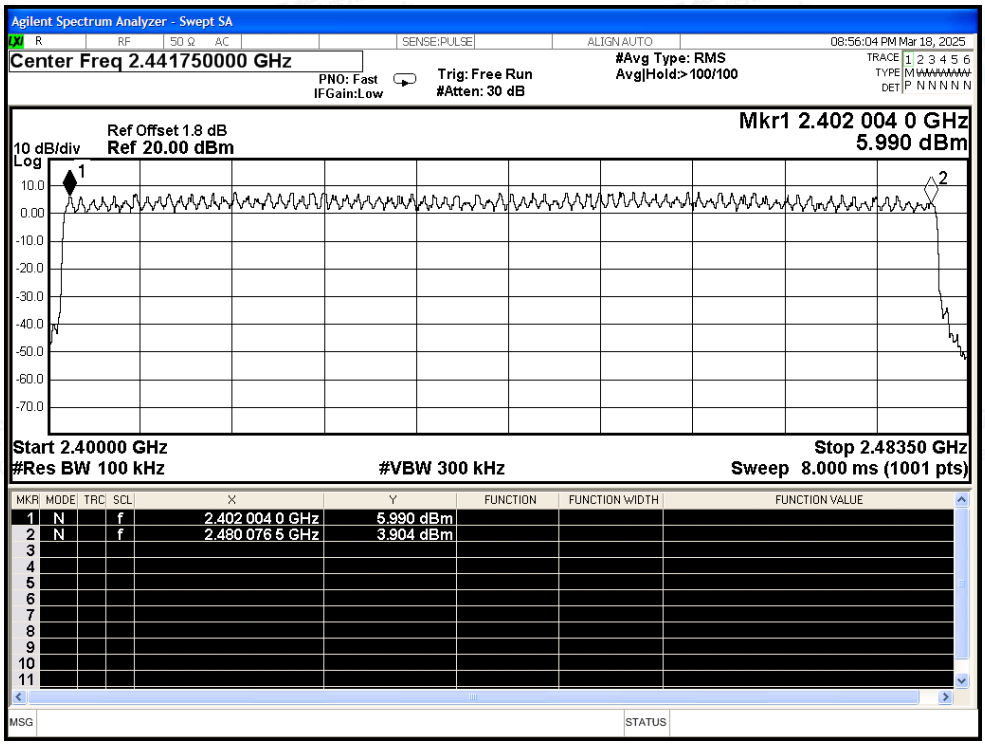
Condition	Mode	Antenna	Hopping Number	Limit	Verdict
NVNT	1-DH5	Ant	79	15	Pass
NVNT	2-DH5	Ant	79	15	Pass
NVNT	3-DH5	Ant	79	15	Pass

Test Graphs

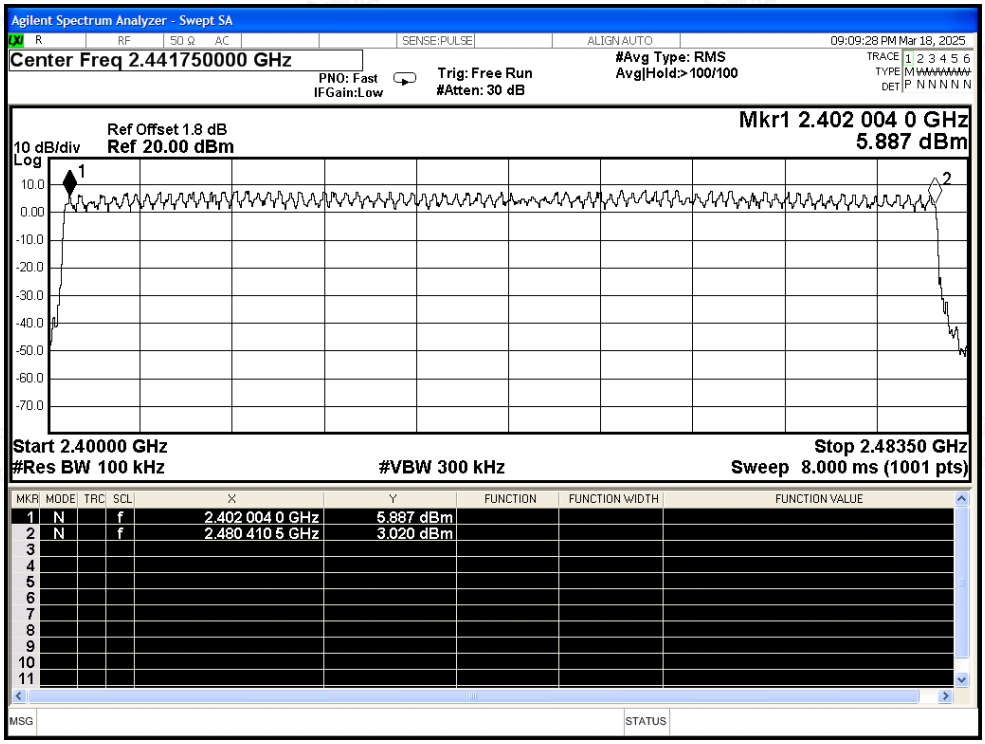
Hopping No. NVNT 1-DH5 2402MHz Ant



Hopping No. NVNT 2-DH5 2402MHz Ant



Hopping No. NVNT 3-DH5 2402MHz Ant

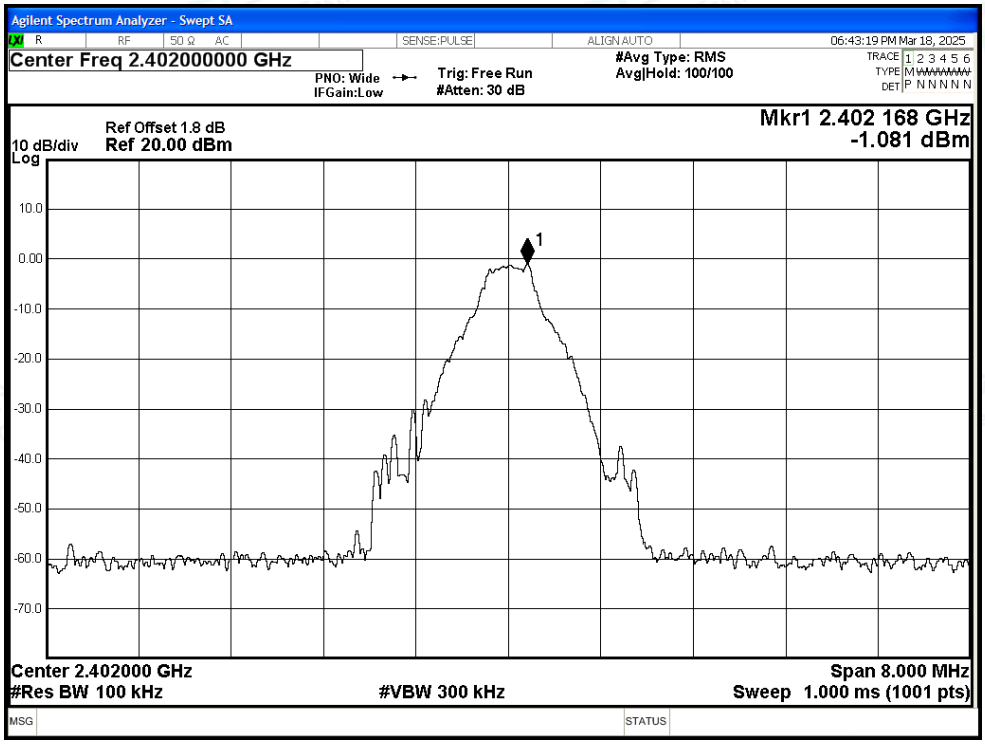


A.6 Band Edge

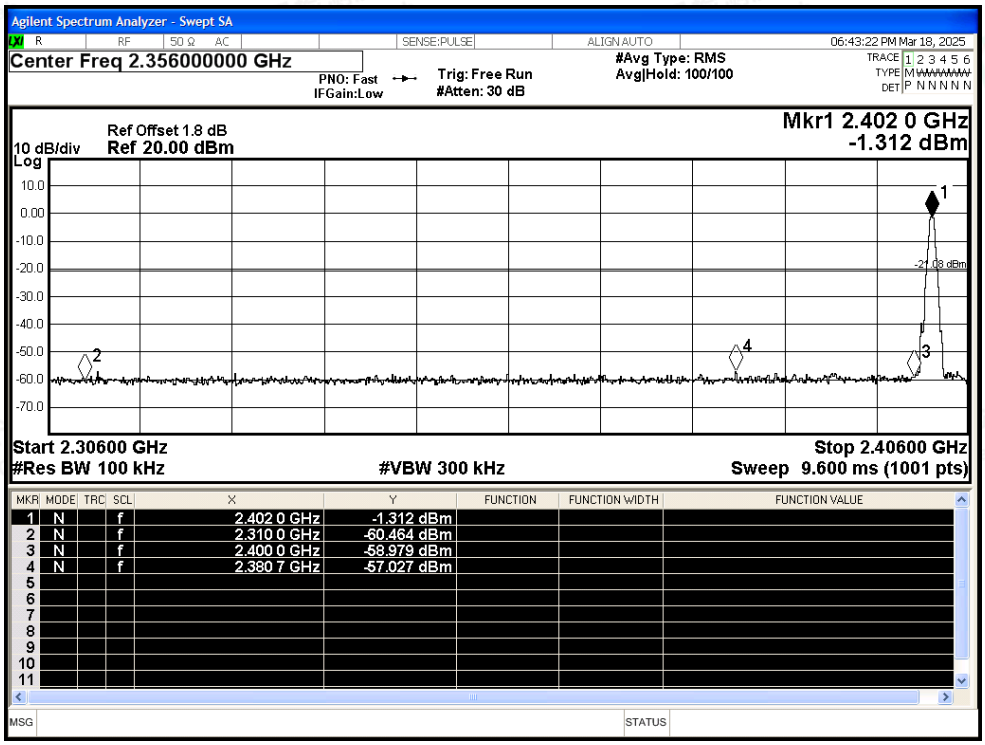
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant	No-Hopping	-55.95	-20	Pass
NVNT	1-DH5	2480	Ant	No-Hopping	-55.67	-20	Pass
NVNT	2-DH5	2402	Ant	No-Hopping	-52.75	-20	Pass
NVNT	2-DH5	2480	Ant	No-Hopping	-54.28	-20	Pass
NVNT	3-DH5	2402	Ant	No-Hopping	-49.81	-20	Pass
NVNT	3-DH5	2480	Ant	No-Hopping	-55.6	-20	Pass

Test Graphs

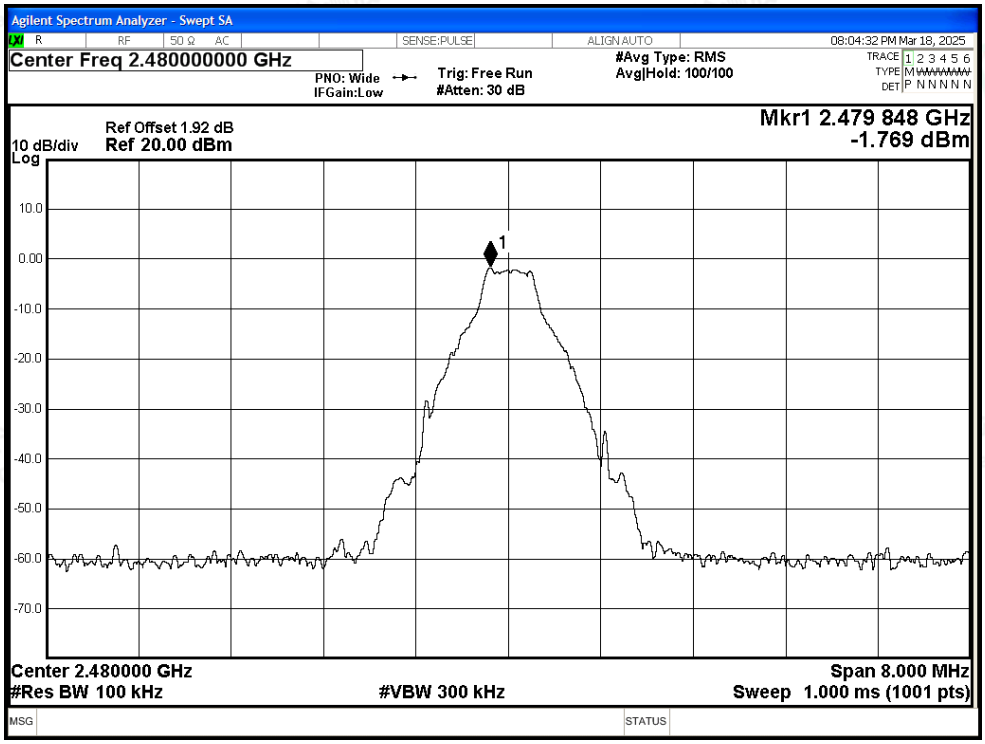
Band Edge NVNT 1-DH5 2402MHz Ant No-Hopping Ref



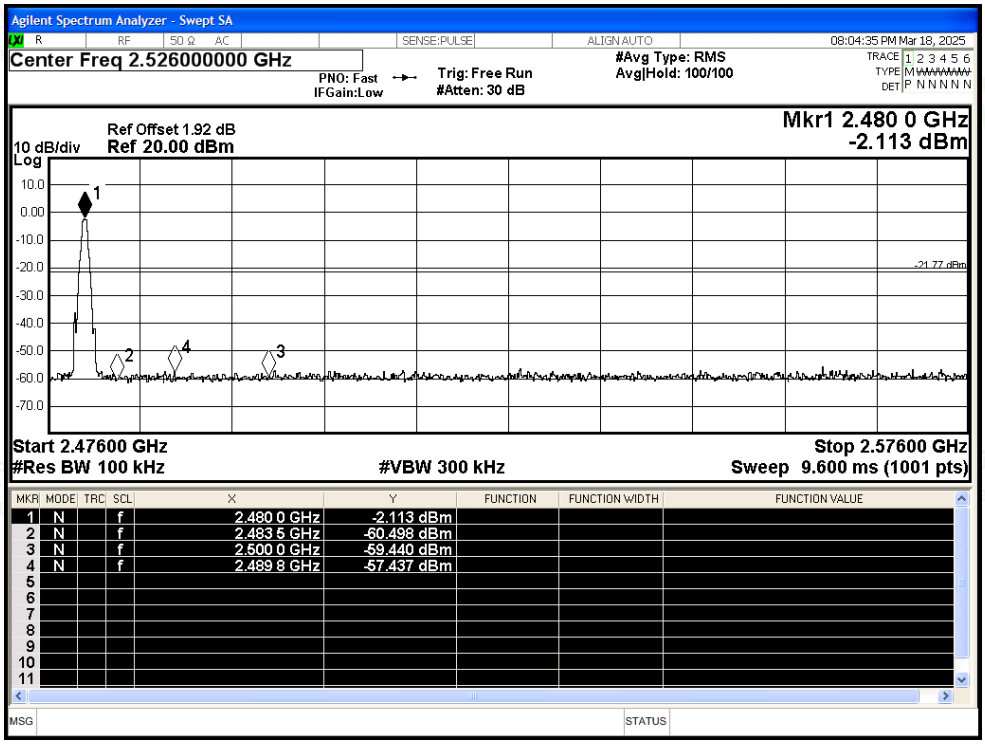
Band Edge NVNT 1-DH5 2402MHz Ant No-Hopping Emission



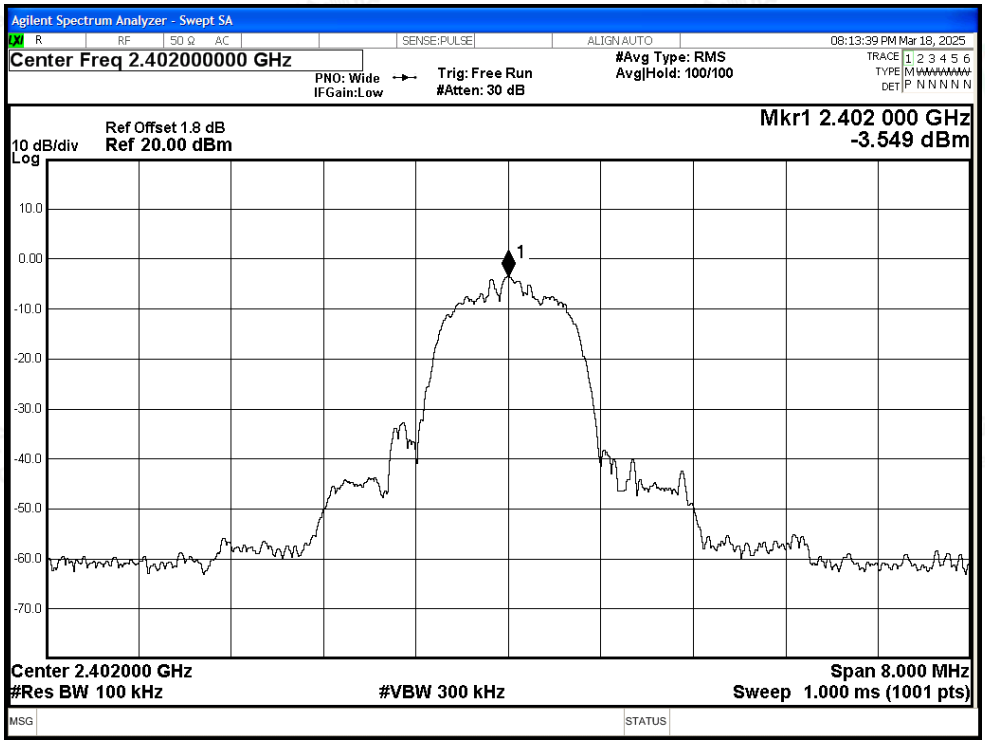
Band Edge NVNT 1-DH5 2480MHz Ant No-Hopping Ref



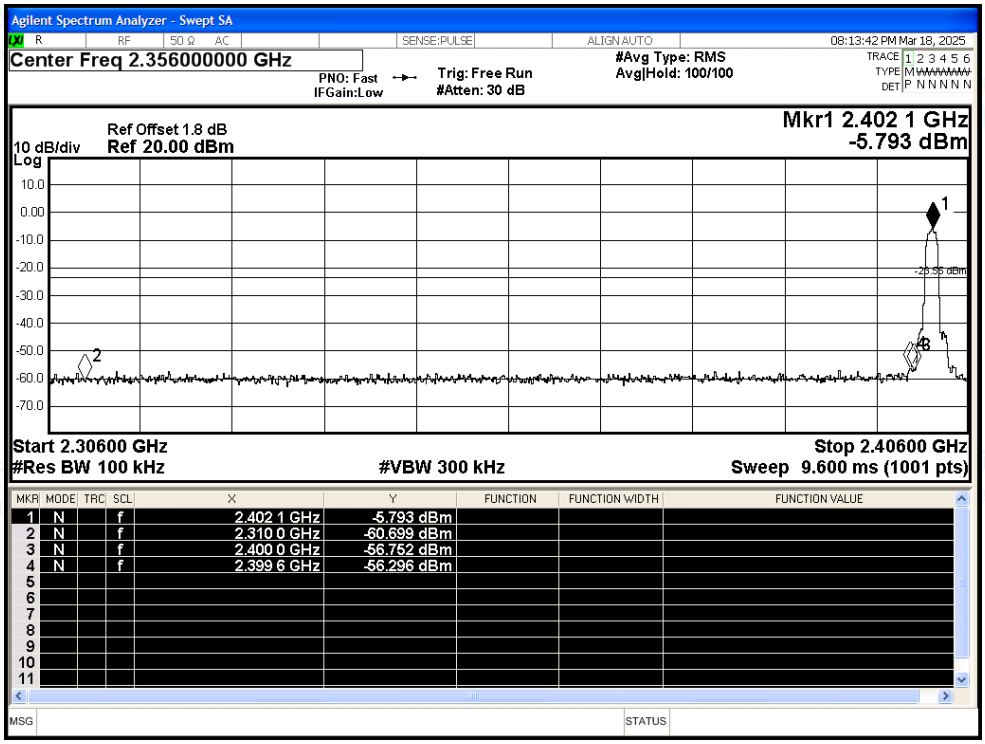
Band Edge NVNT 1-DH5 2480MHz Ant No-Hopping Emission



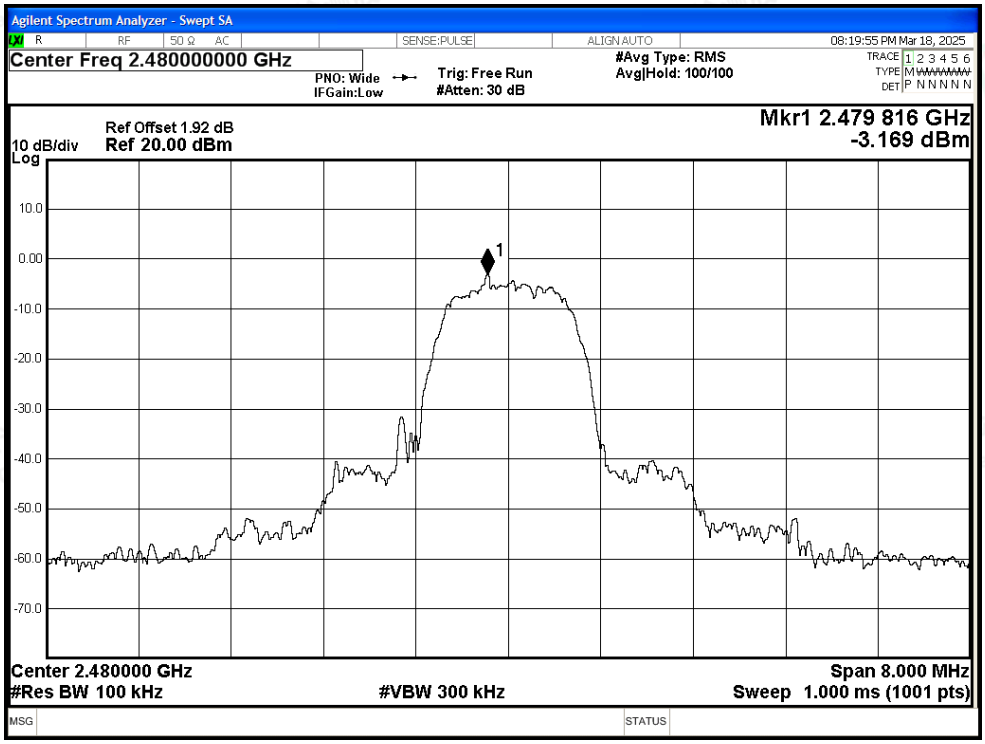
Band Edge NVNT 2-DH5 2402MHz Ant No-Hopping Ref



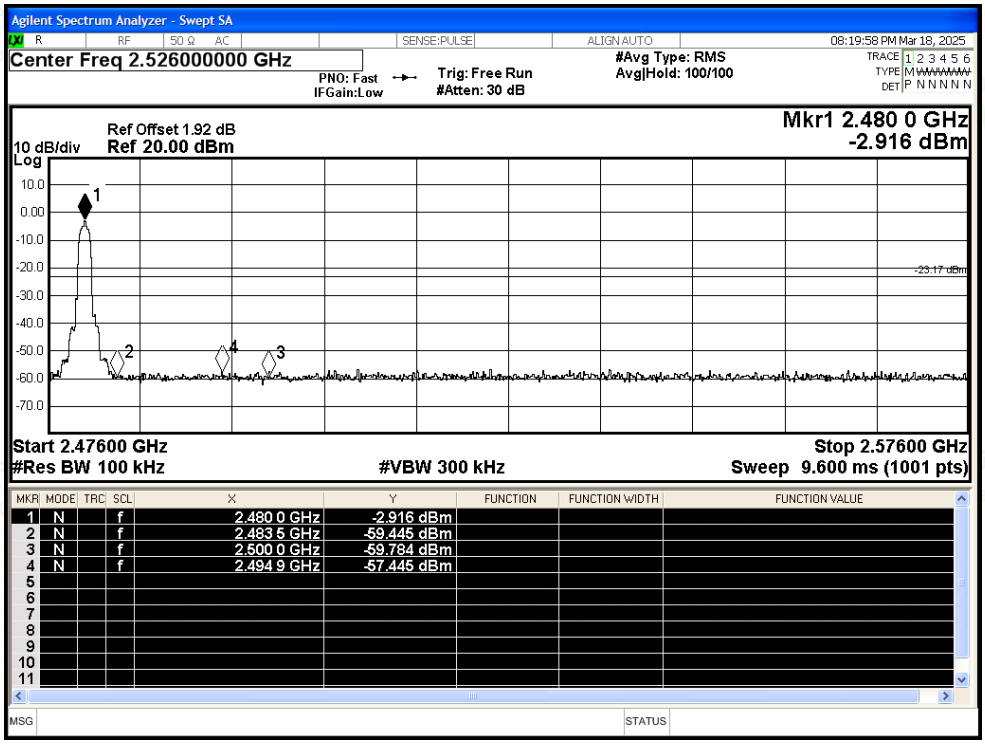
Band Edge NVNT 2-DH5 2402MHz Ant No-Hopping Emission



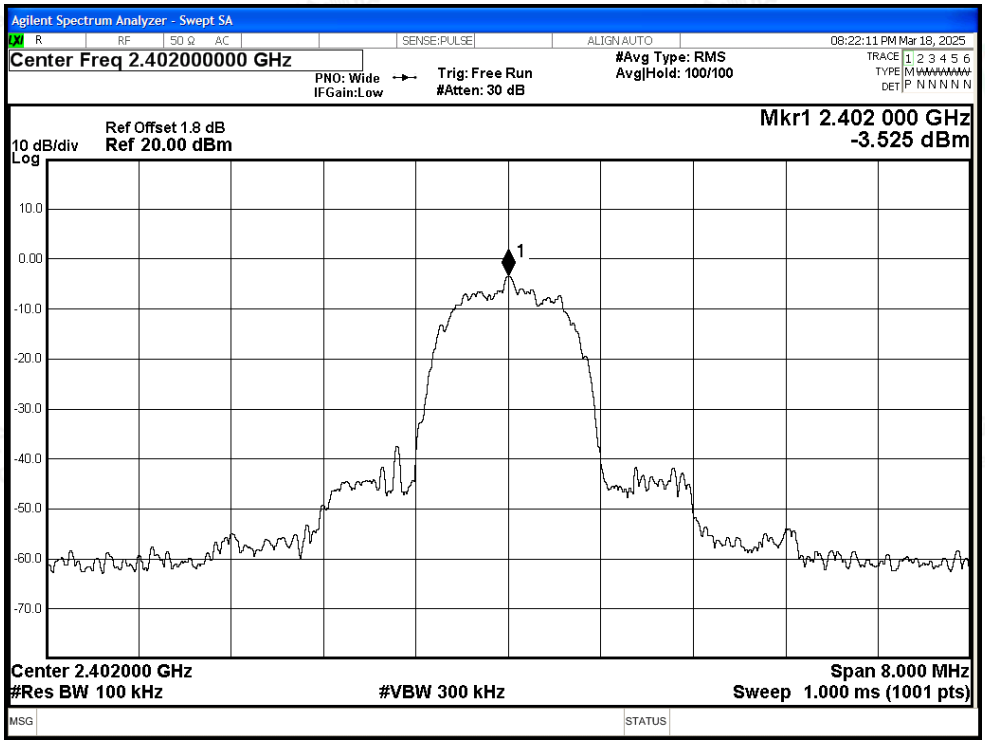
Band Edge NVNT 2-DH5 2480MHz Ant No-Hopping Ref



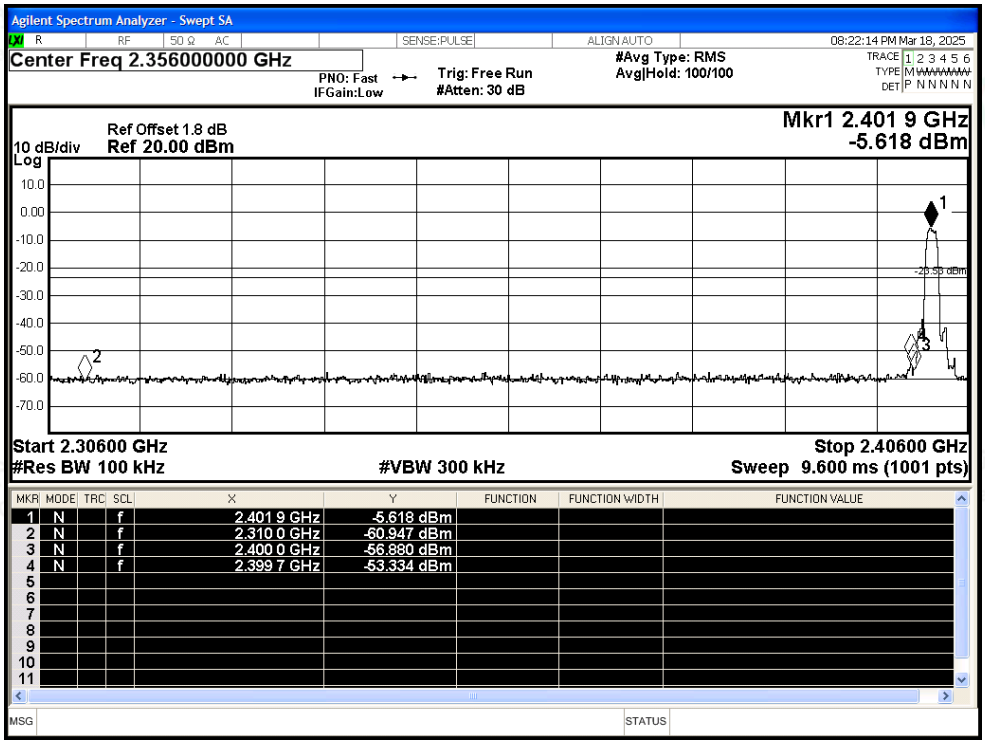
Band Edge NVNT 2-DH5 2480MHz Ant No-Hopping Emission



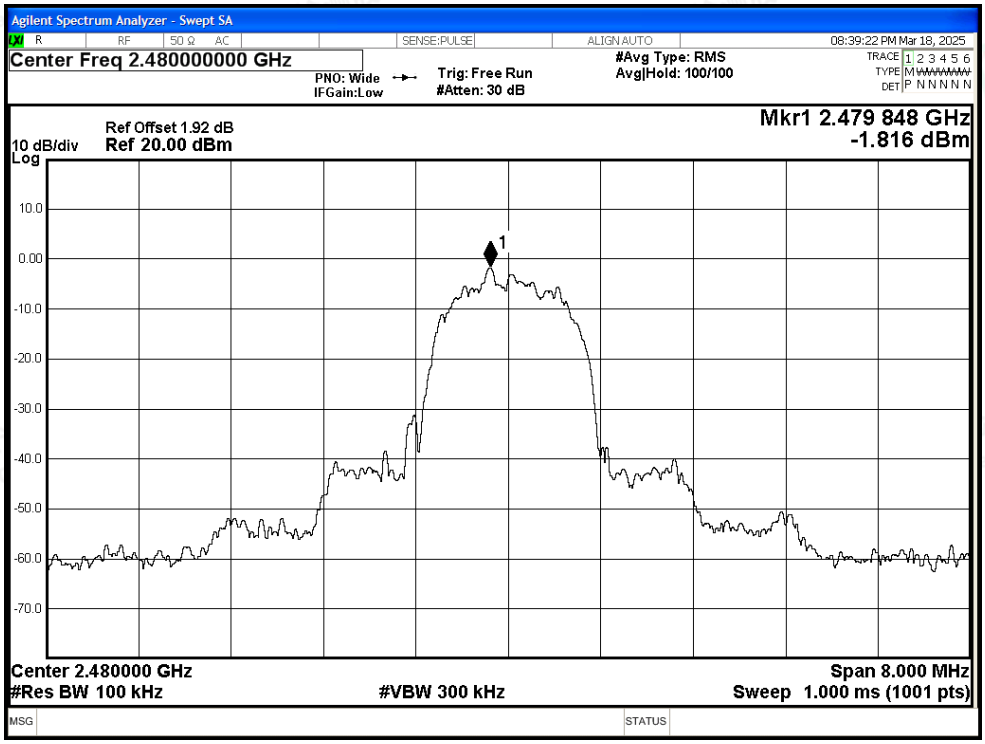
Band Edge NVNT 3-DH5 2402MHz Ant No-Hopping Ref



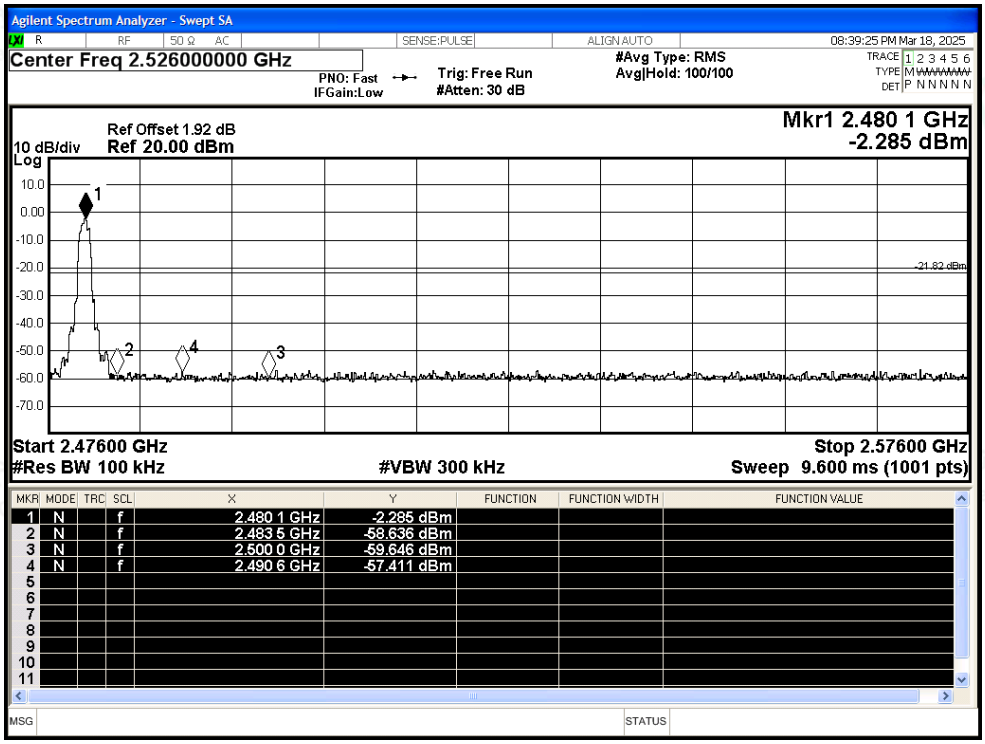
Band Edge NVNT 3-DH5 2402MHz Ant No-Hopping Emission



Band Edge NVNT 3-DH5 2480MHz Ant No-Hopping Ref



Band Edge NVNT 3-DH5 2480MHz Ant No-Hopping Emission

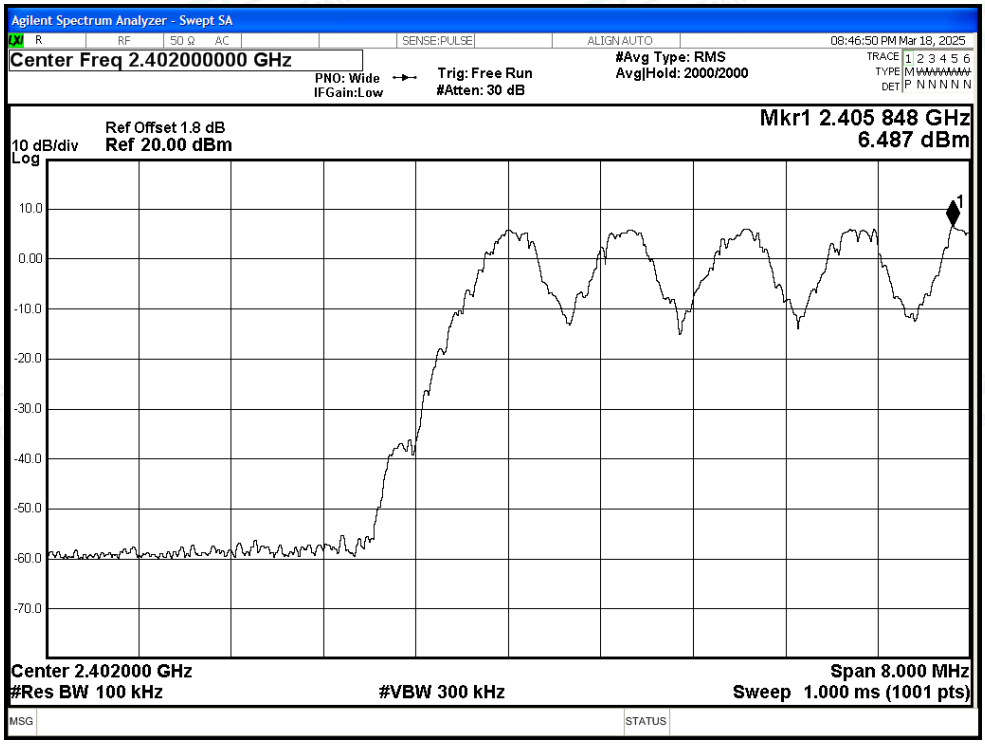


(Hopping)

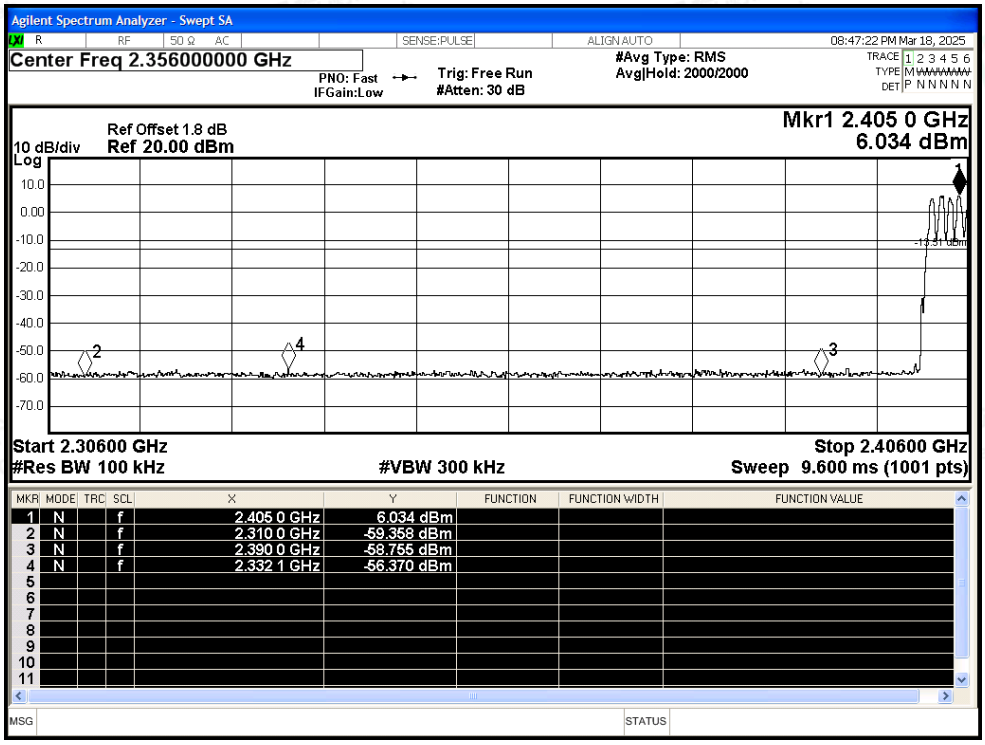
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant	Hopping	-62.86	-20	Pass
NVNT	1-DH5	2480	Ant	Hopping	-61.1	-20	Pass
NVNT	2-DH5	2402	Ant	Hopping	-61.96	-20	Pass
NVNT	2-DH5	2480	Ant	Hopping	-58.93	-20	Pass
NVNT	3-DH5	2402	Ant	Hopping	-62.67	-20	Pass
NVNT	3-DH5	2480	Ant	Hopping	-58.08	-20	Pass

Test Graphs

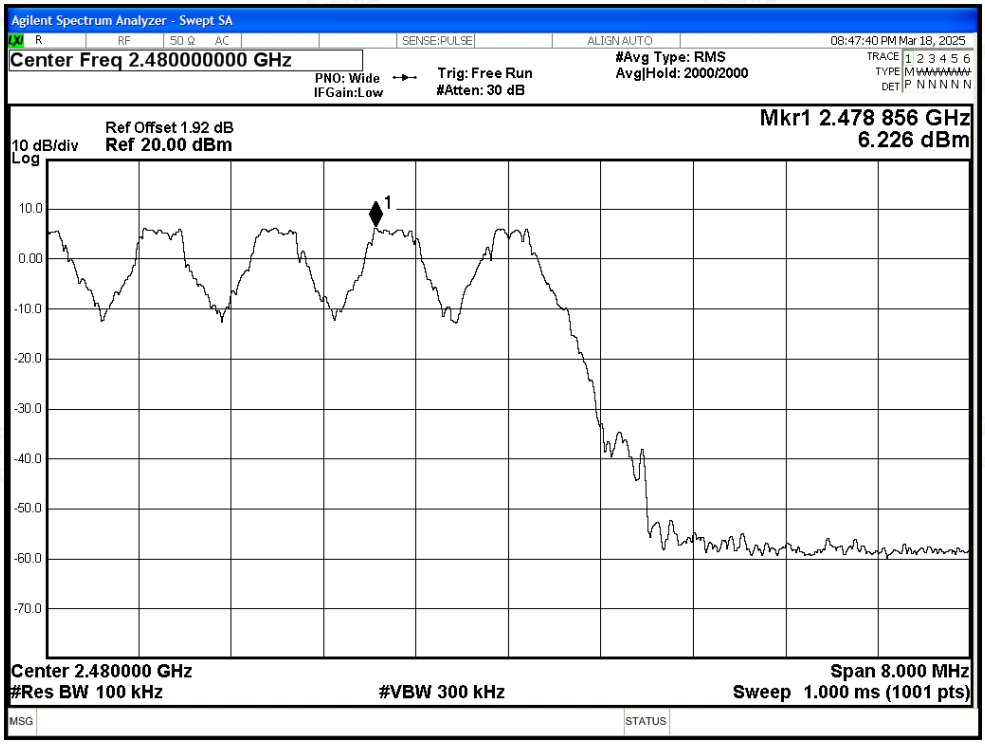
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant Hopping Ref



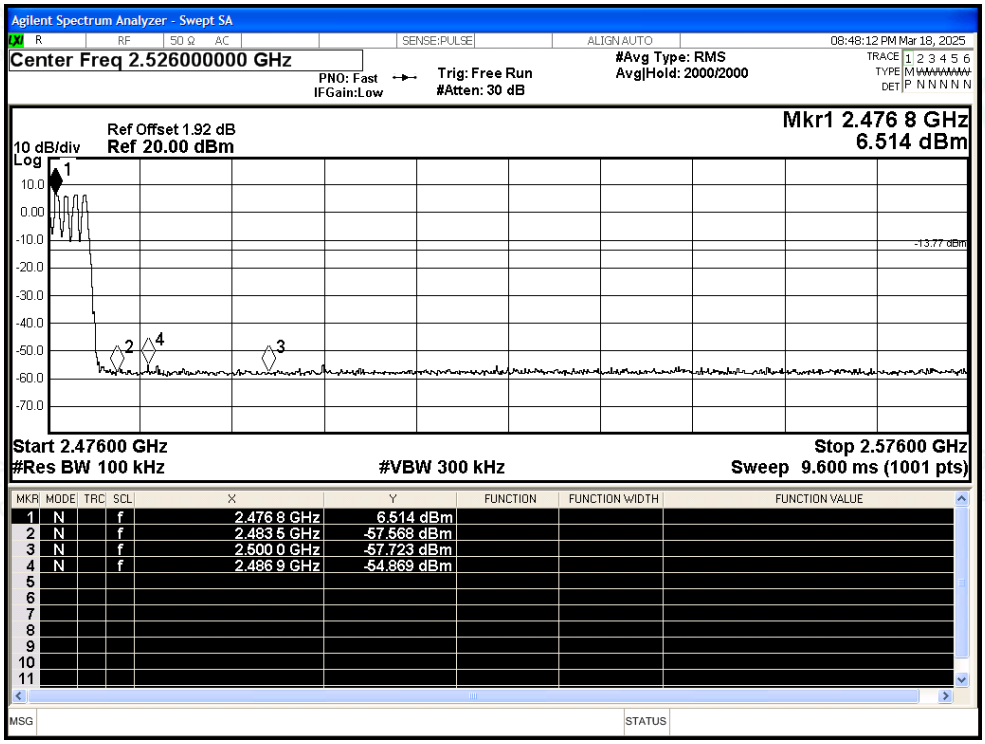
Band Edge(Hopping) NVNT 1-DH5 2402MHz Ant Hopping Emission



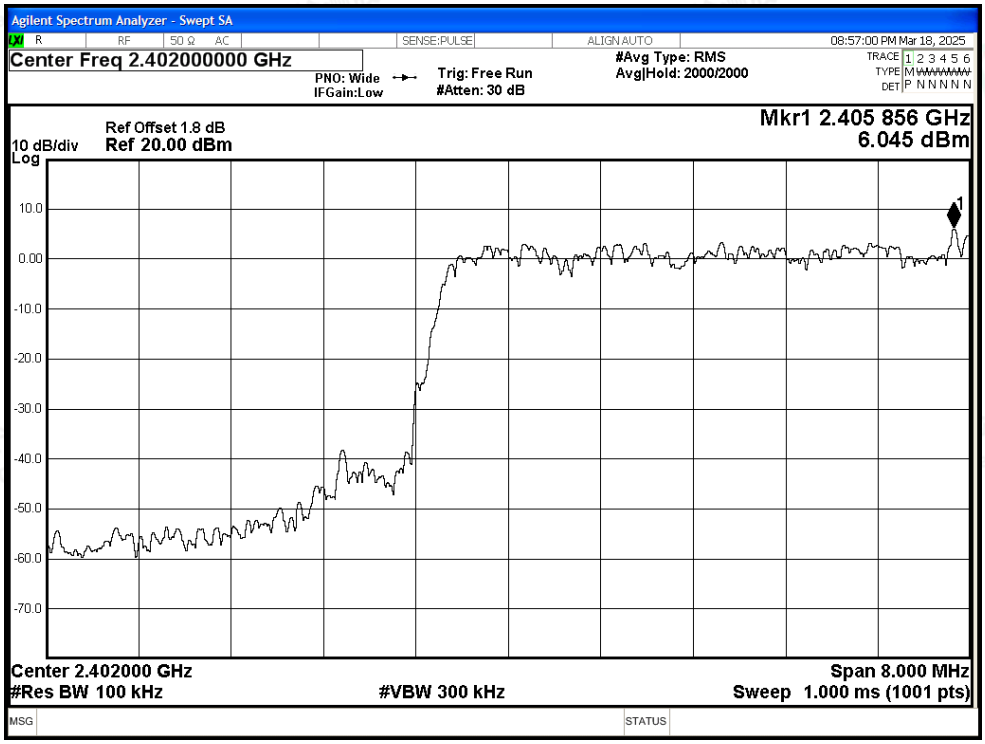
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant Hopping Ref



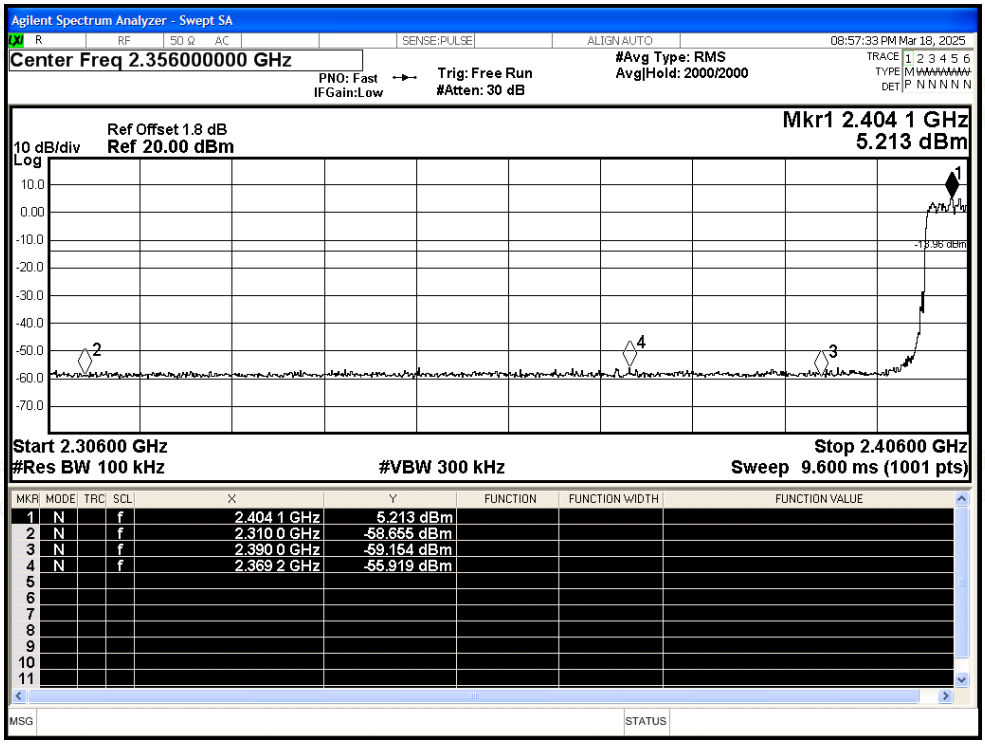
Band Edge(Hopping) NVNT 1-DH5 2480MHz Ant Hopping Emission



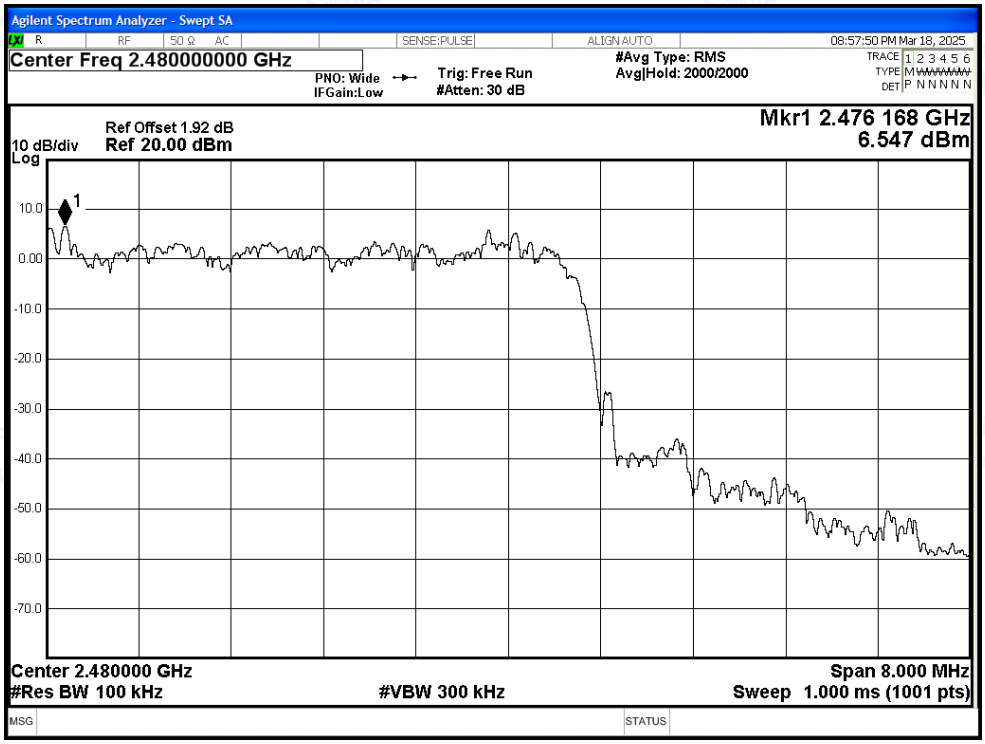
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant Hopping Ref



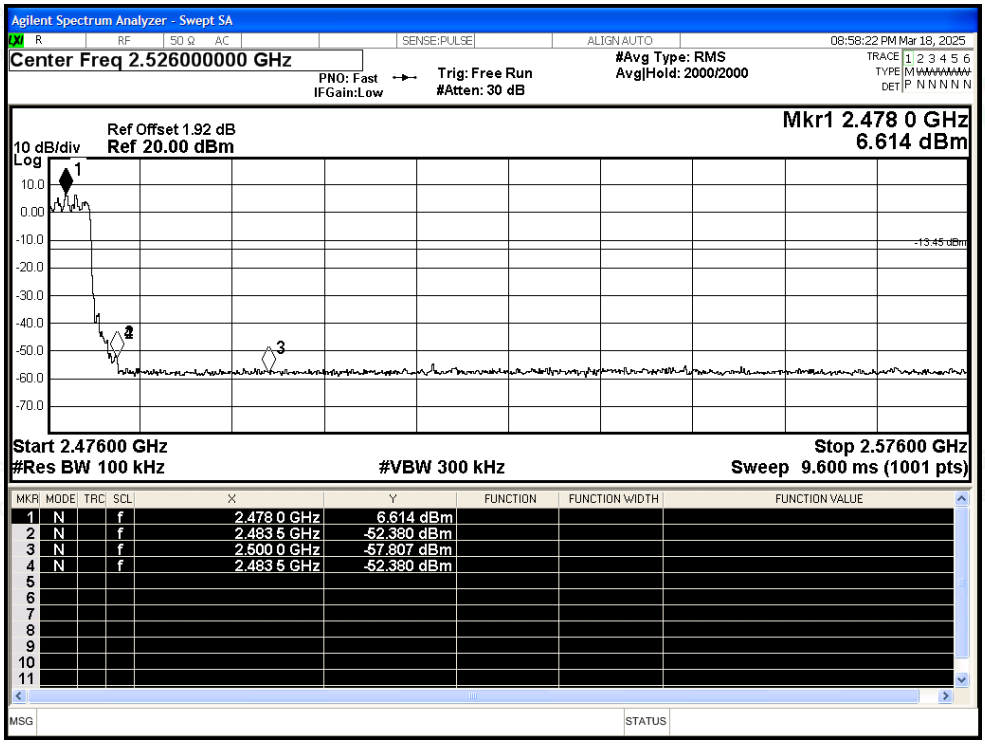
Band Edge(Hopping) NVNT 2-DH5 2402MHz Ant Hopping Emission



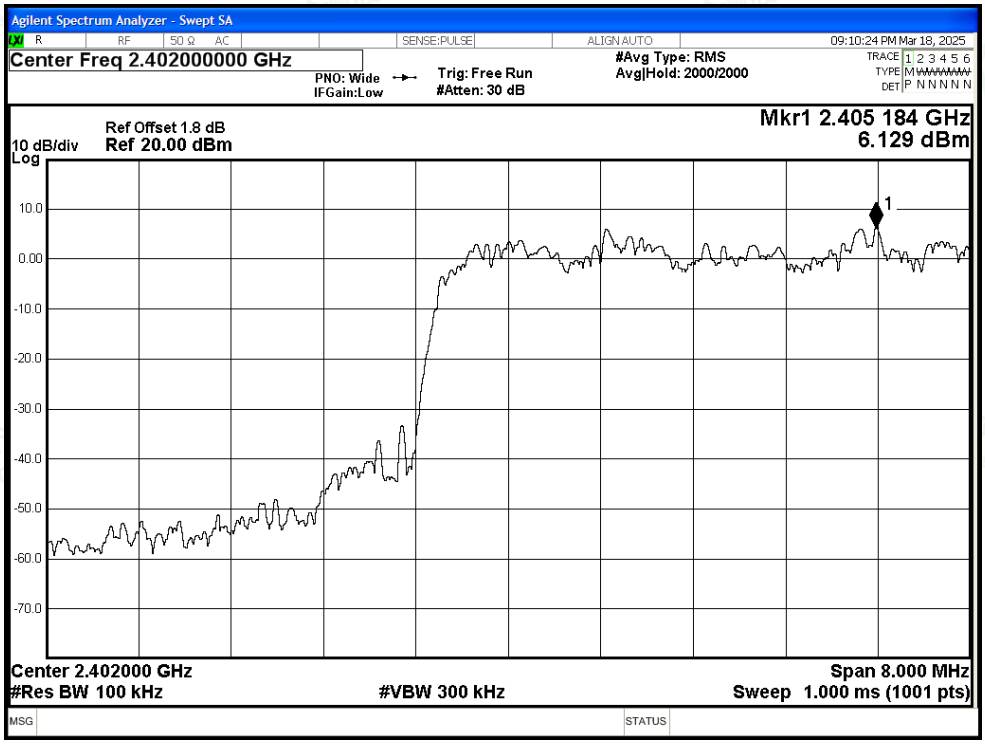
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant Hopping Ref



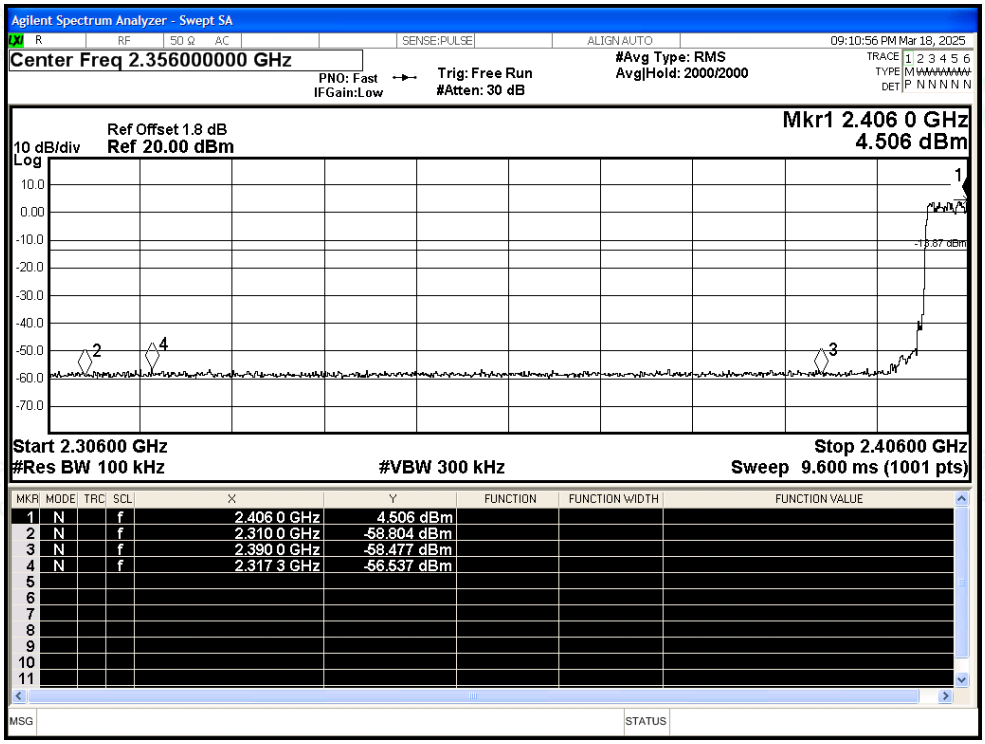
Band Edge(Hopping) NVNT 2-DH5 2480MHz Ant Hopping Emission



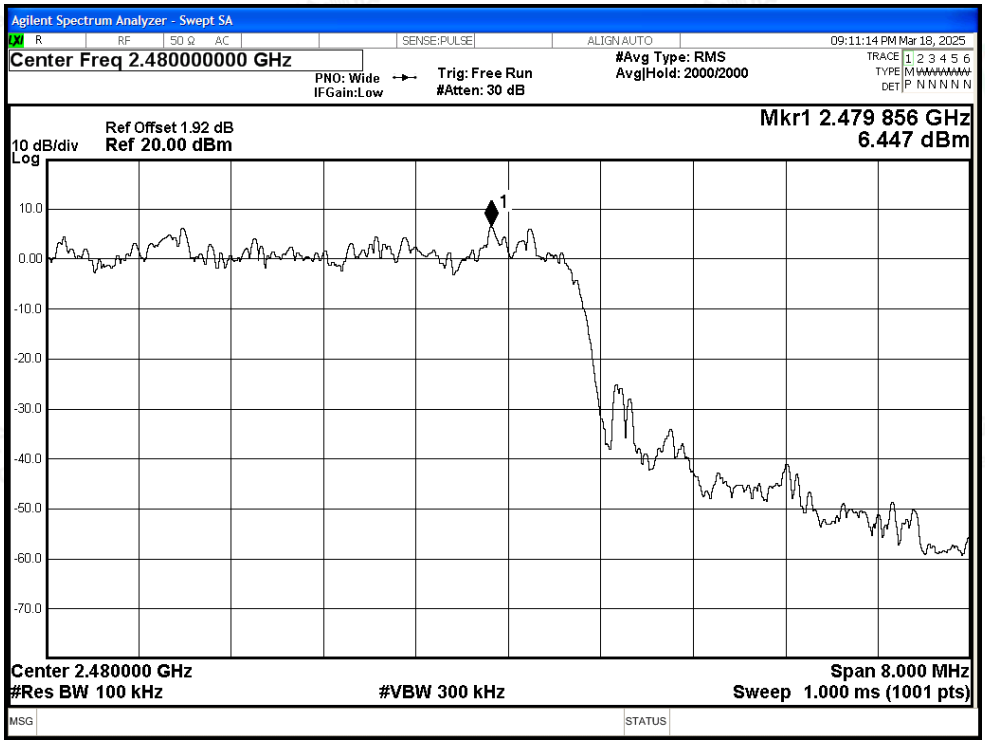
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant Hopping Ref



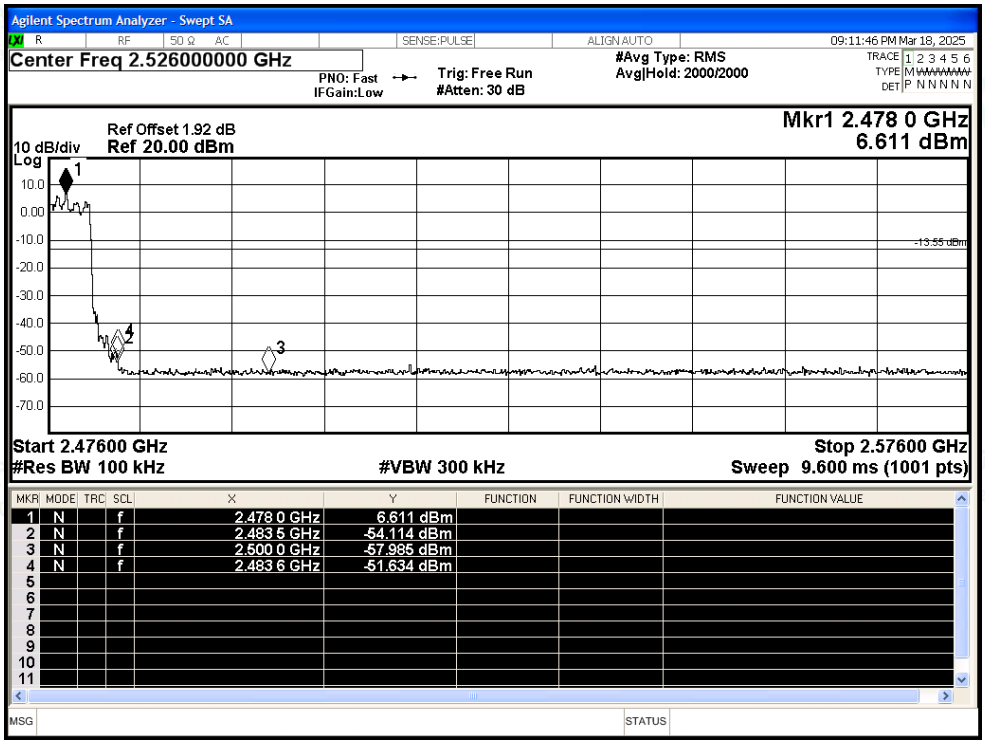
Band Edge(Hopping) NVNT 3-DH5 2402MHz Ant Hopping Emission



Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant Hopping Ref



Band Edge(Hopping) NVNT 3-DH5 2480MHz Ant Hopping Emission

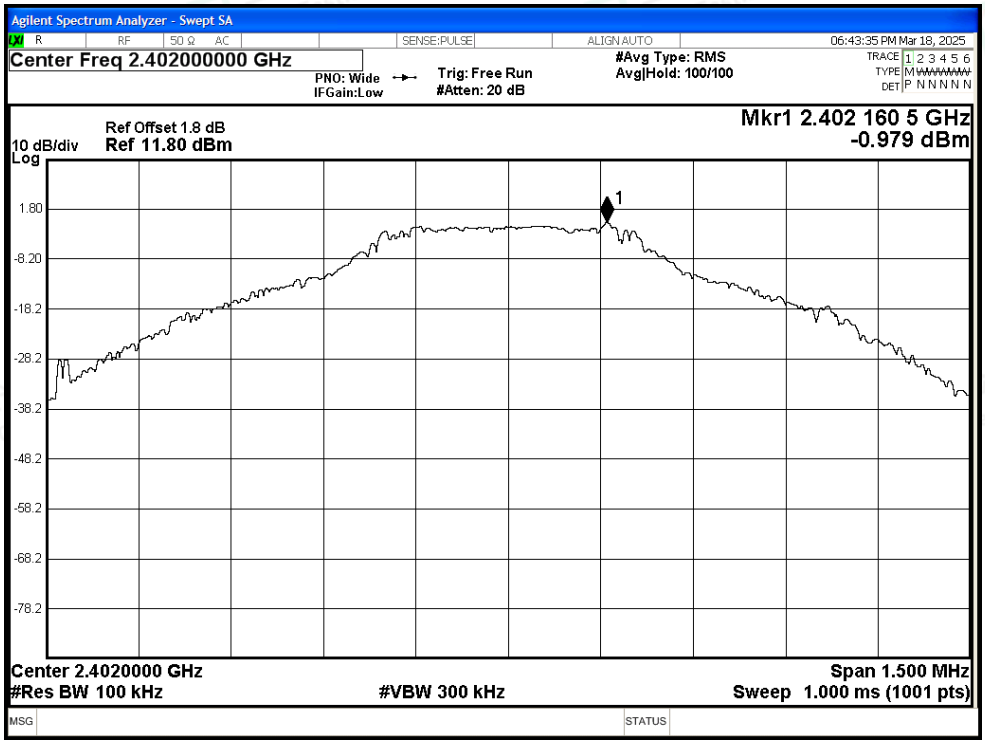


A.7 Conducted RF Spurious Emission

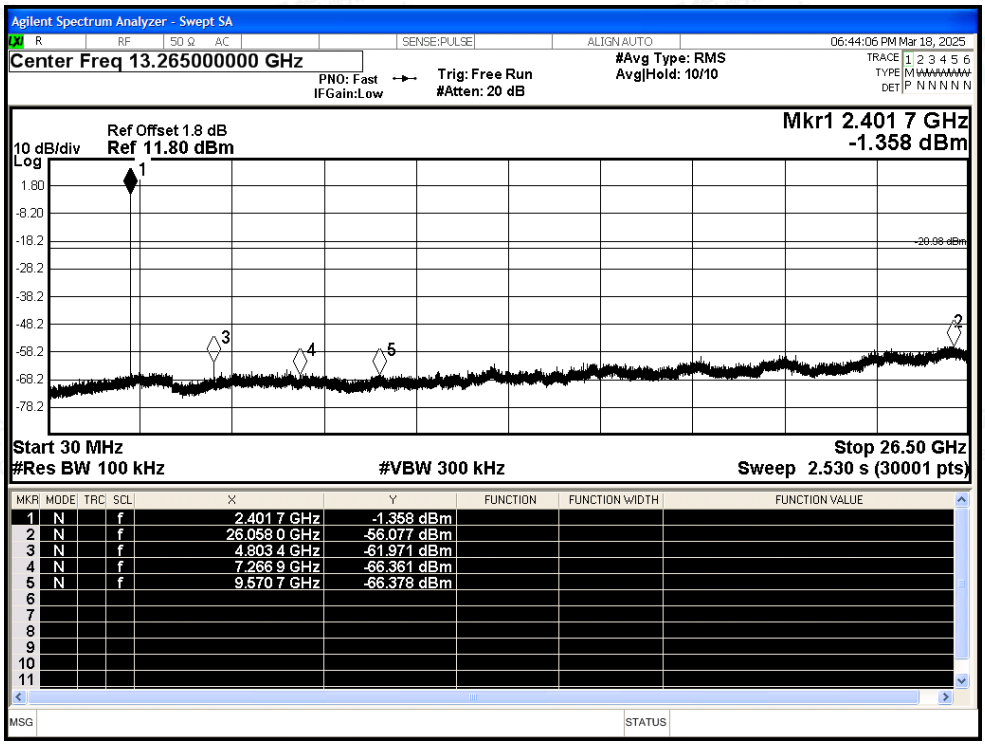
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	1-DH5	2402	Ant	-55.1	-20	Pass
NVNT	1-DH5	2441	Ant	-54.56	-20	Pass
NVNT	1-DH5	2480	Ant	-53.71	-20	Pass
NVNT	2-DH5	2402	Ant	-51.28	-20	Pass
NVNT	2-DH5	2441	Ant	-51.05	-20	Pass
NVNT	2-DH5	2480	Ant	-53.08	-20	Pass
NVNT	3-DH5	2402	Ant	-51.9	-20	Pass
NVNT	3-DH5	2441	Ant	-52.11	-20	Pass
NVNT	3-DH5	2480	Ant	-52.5	-20	Pass

Test Graphs

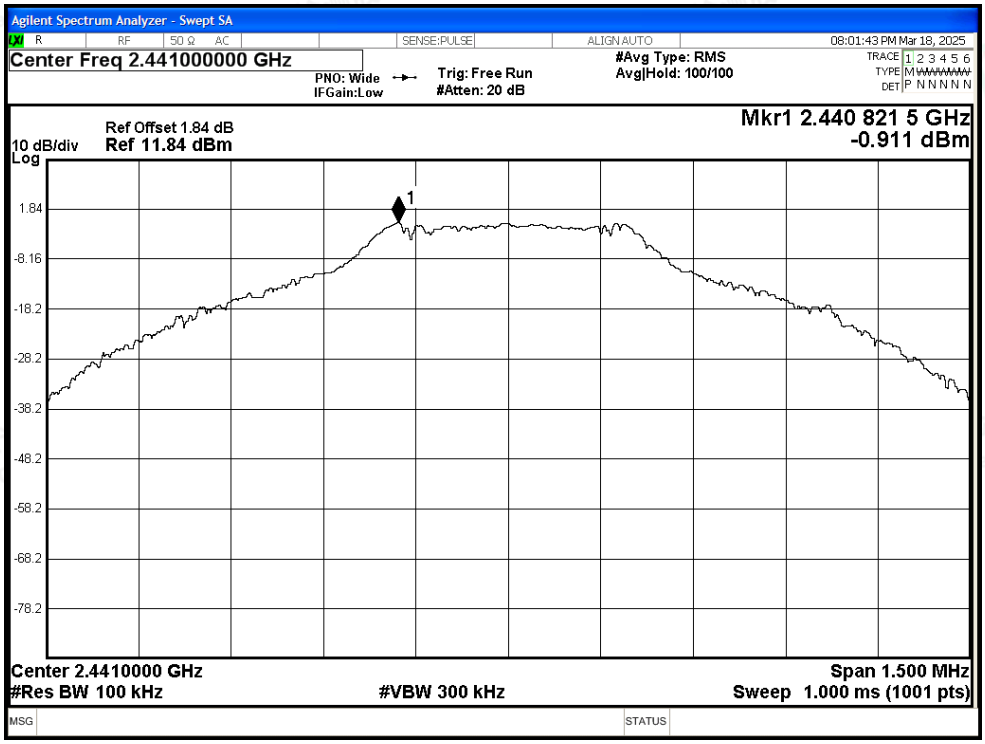
Tx. Spurious NVNT 1-DH5 2402MHz Ant Ref



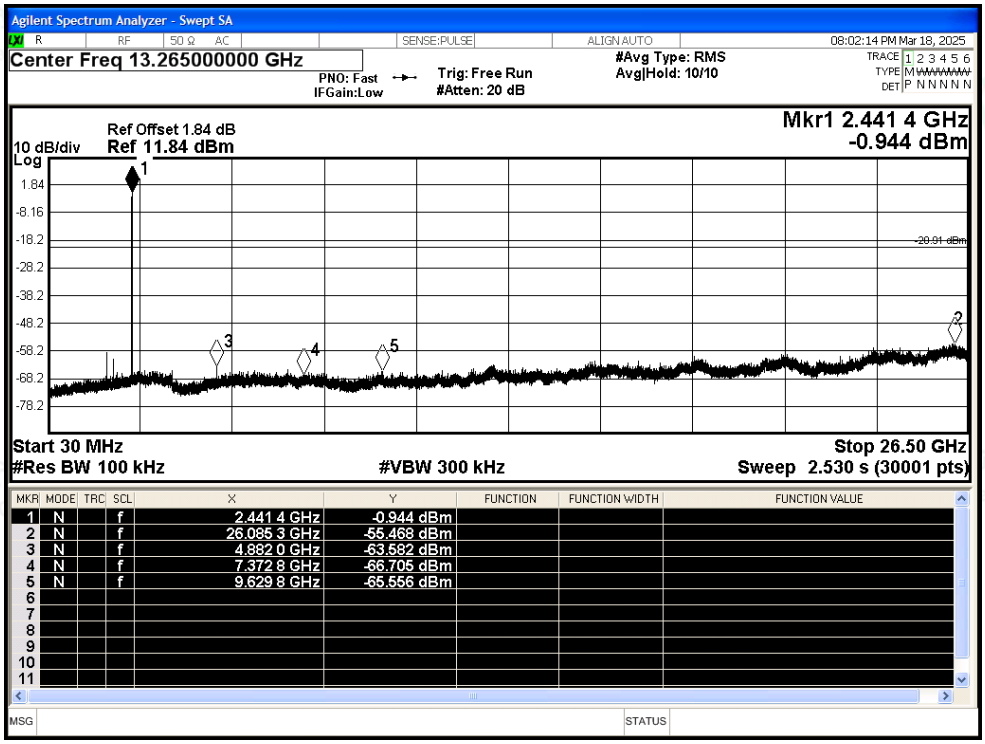
Tx. Spurious NVNT 1-DH5 2402MHz Ant Emission



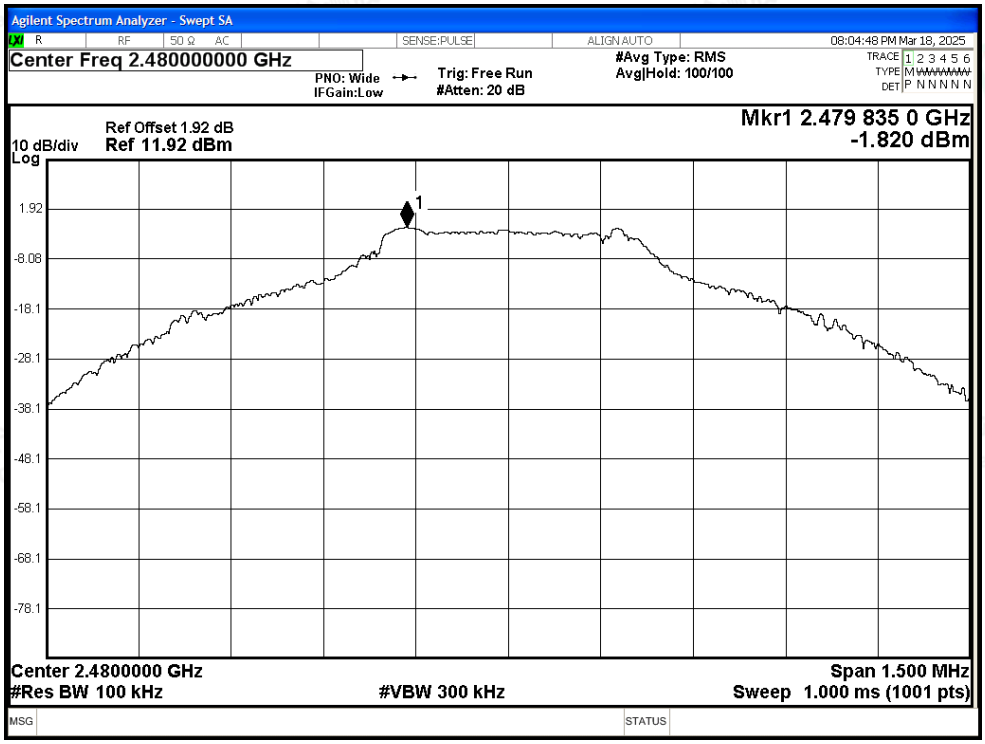
Tx. Spurious NVNT 1-DH5 2441MHz Ant Ref



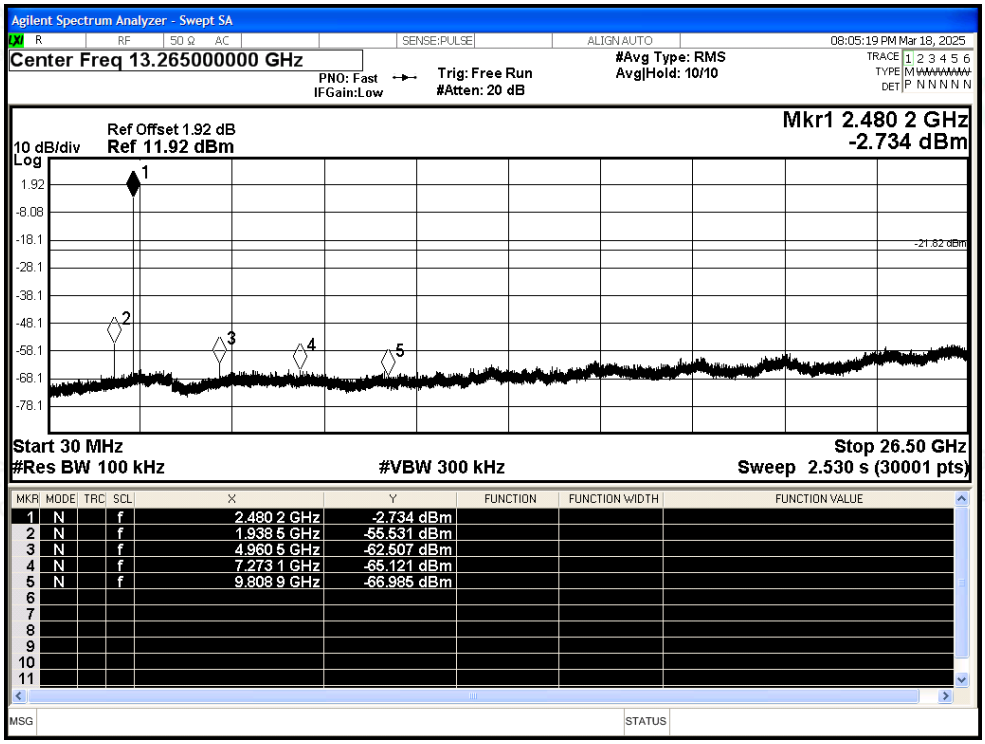
Tx. Spurious NVNT 1-DH5 2441MHz Ant Emission



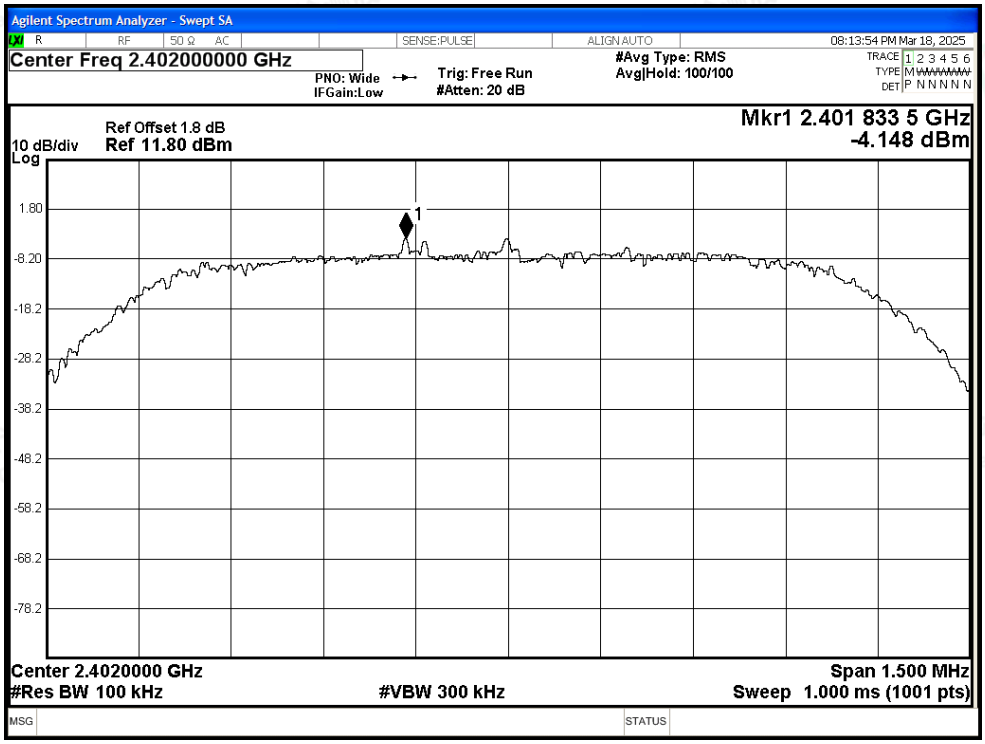
Tx. Spurious NVNT 1-DH5 2480MHz Ant Ref



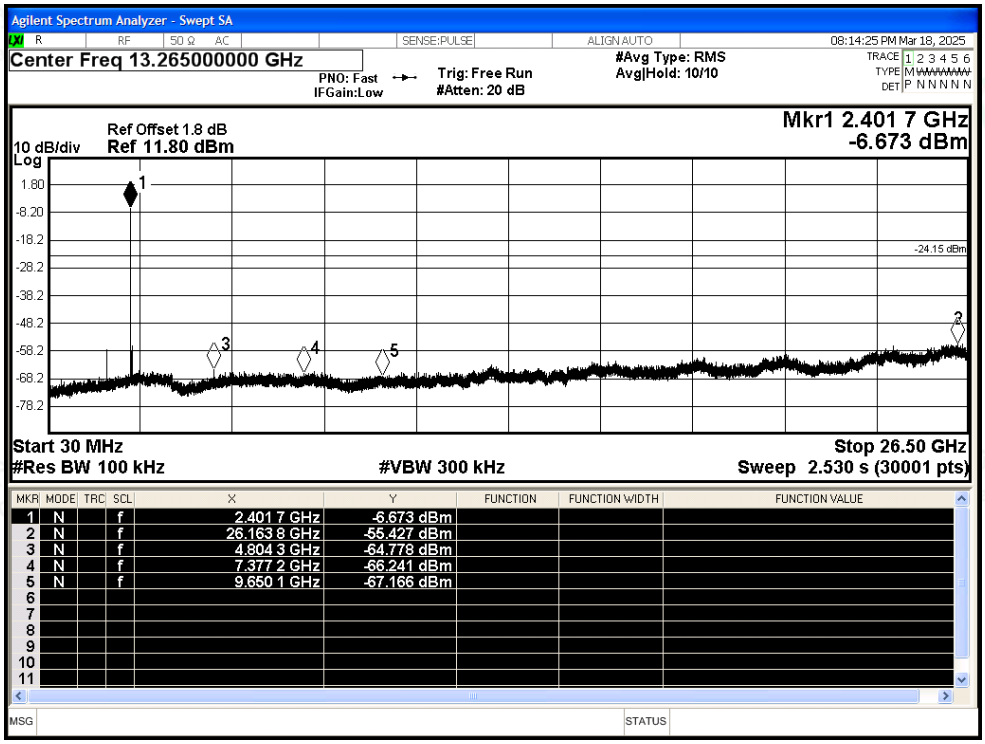
Tx. Spurious NVNT 1-DH5 2480MHz Ant Emission



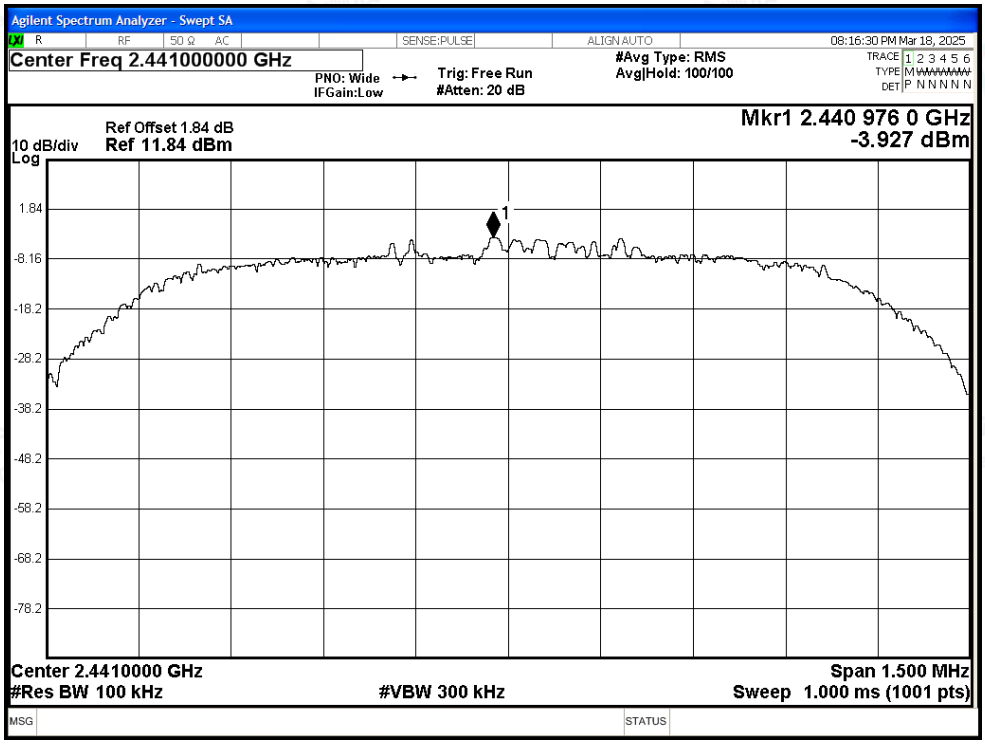
Tx. Spurious NVNT 2-DH5 2402MHz Ant Ref



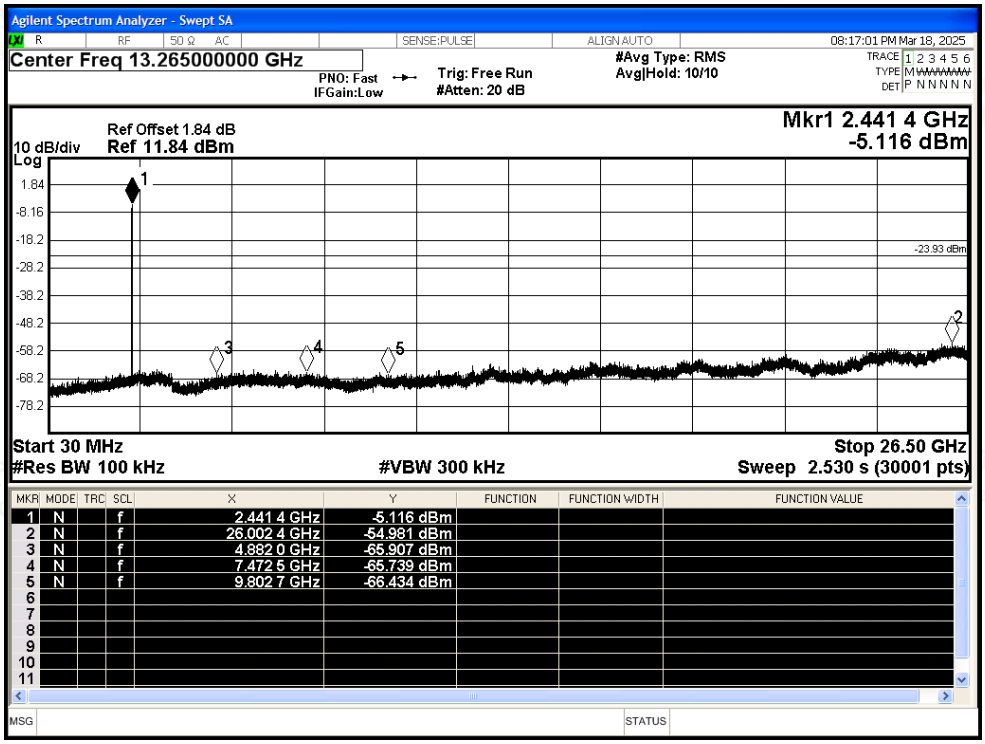
Tx. Spurious NVNT 2-DH5 2402MHz Ant Emission



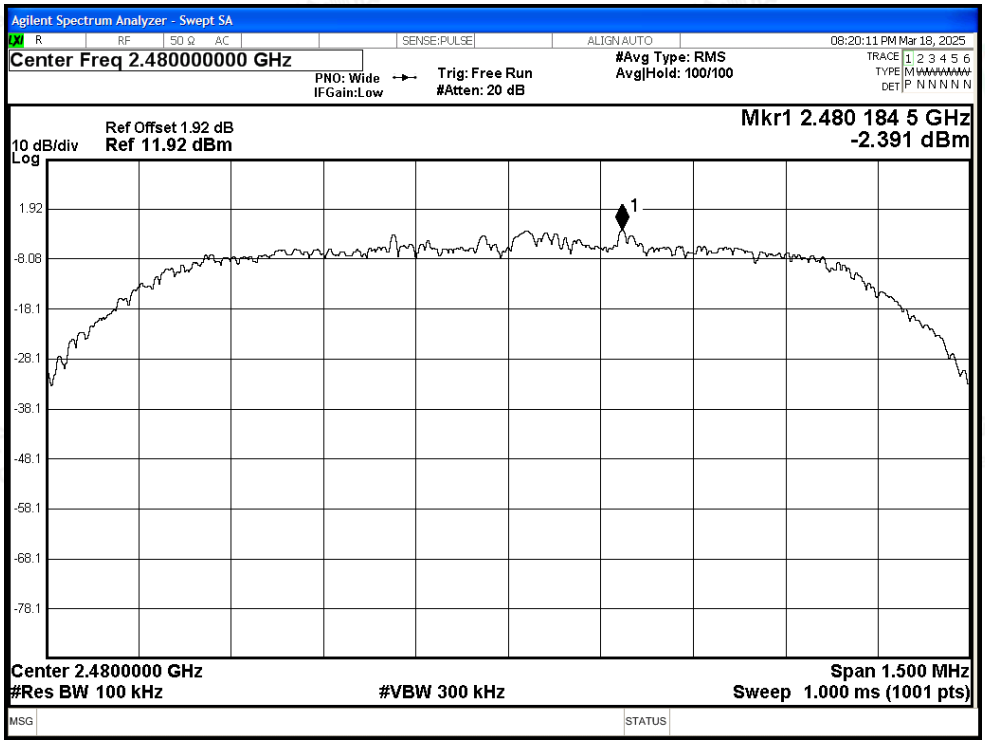
Tx. Spurious NVNT 2-DH5 2441MHz Ant Ref



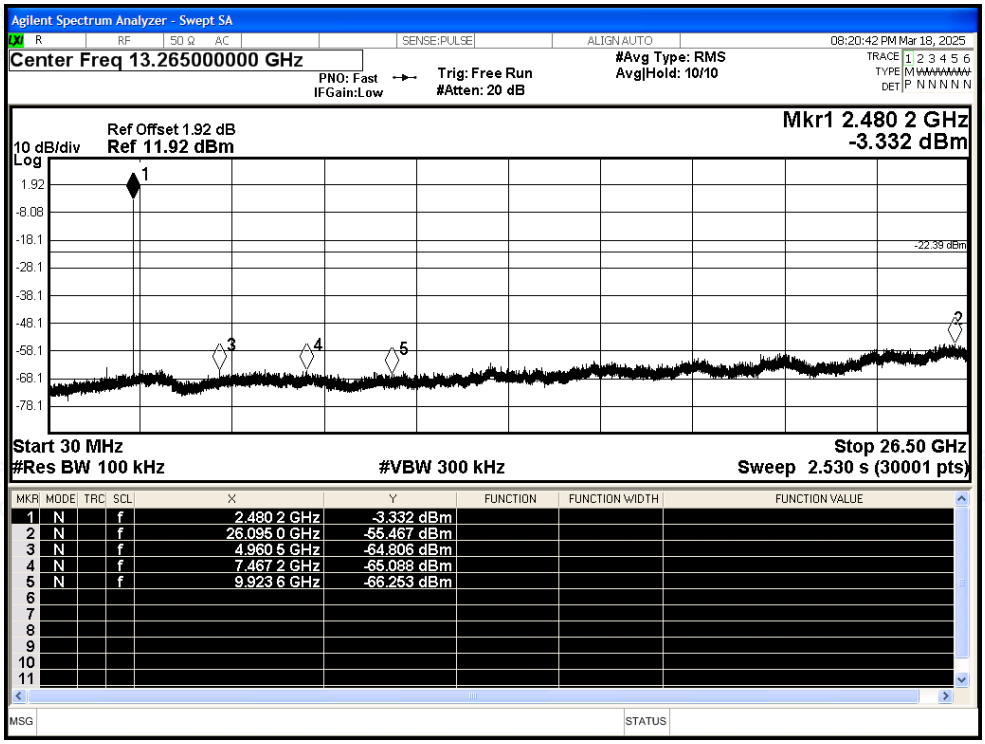
Tx. Spurious NVNT 2-DH5 2441MHz Ant Emission



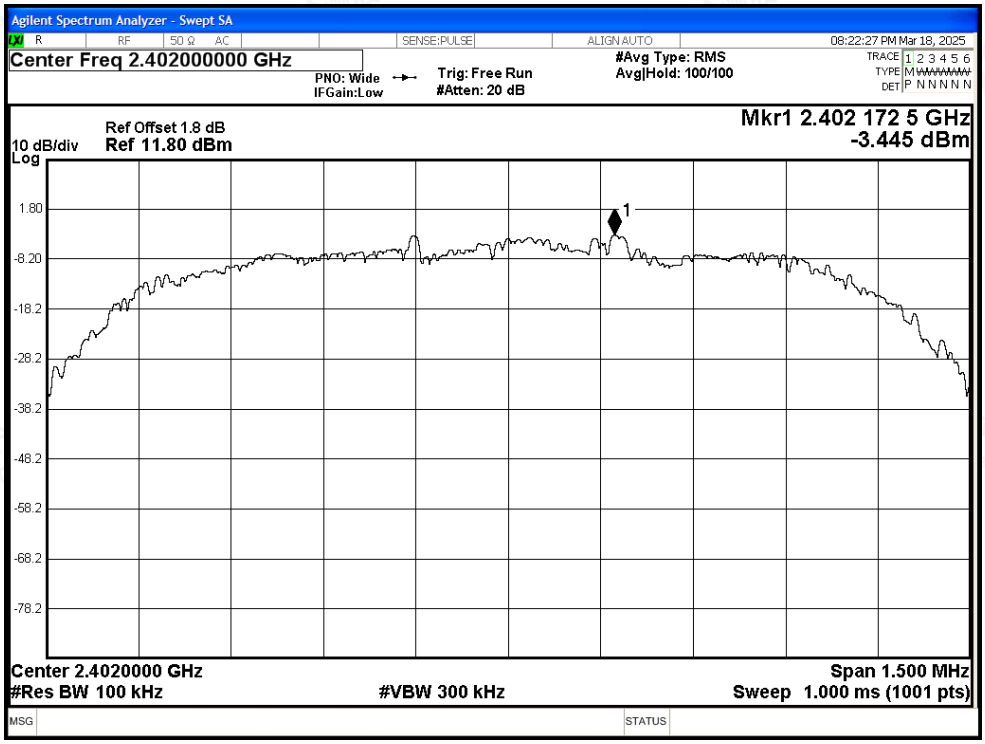
Tx. Spurious NVNT 2-DH5 2480MHz Ant Ref



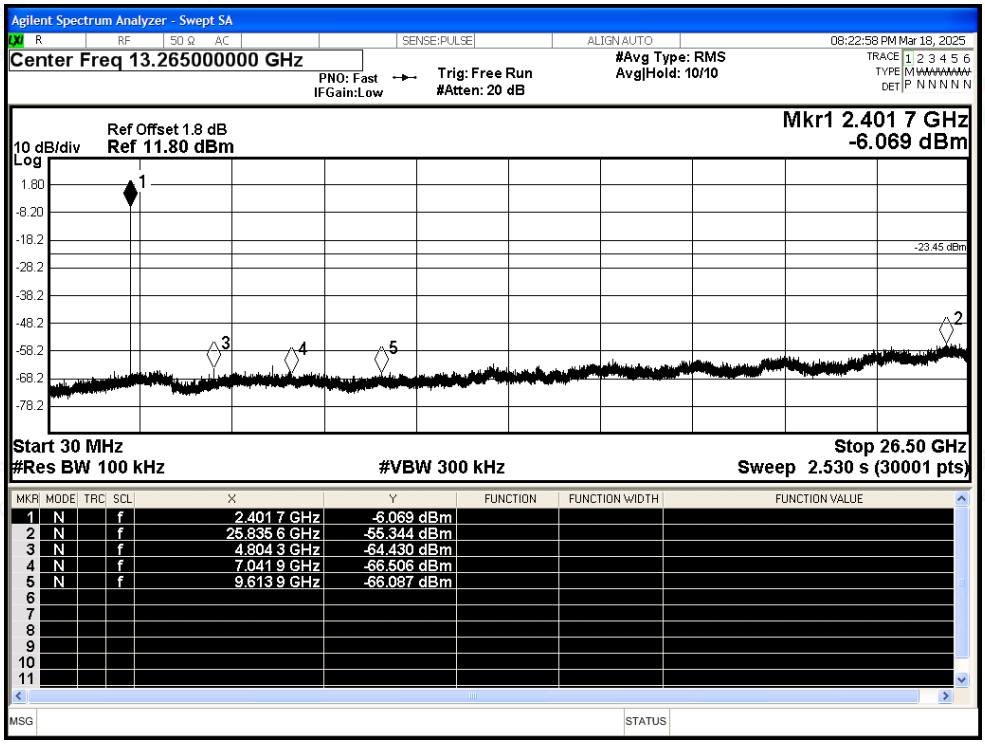
Tx. Spurious NVNT 2-DH5 2480MHz Ant Emission



Tx. Spurious NVNT 3-DH5 2402MHz Ant Ref

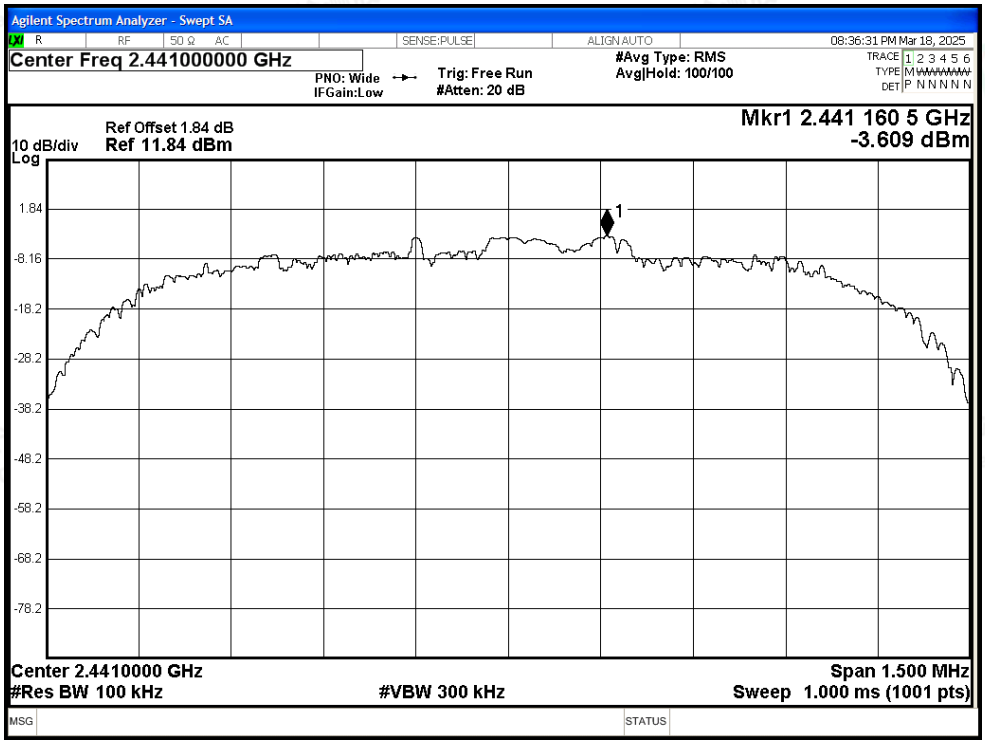


Tx. Spurious NVNT 3-DH5 2402MHz Ant Emission

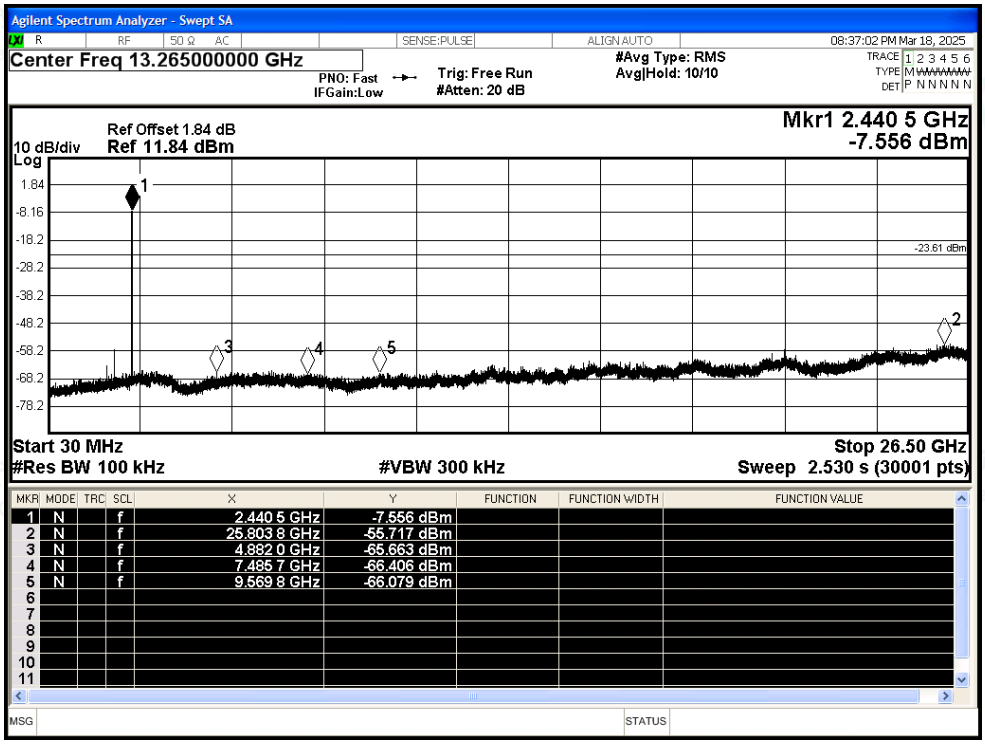


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	2.401 7 GHz	-6.069 dBm			
2	N		f	25.835 6 GHz	-55.344 dBm			
3	N		f	4.804 3 GHz	-64.430 dBm			
4	N		f	7.041 9 GHz	-66.506 dBm			
5	N		f	9.613 9 GHz	-66.087 dBm			
6								
7								
8								
9								
10								
11								

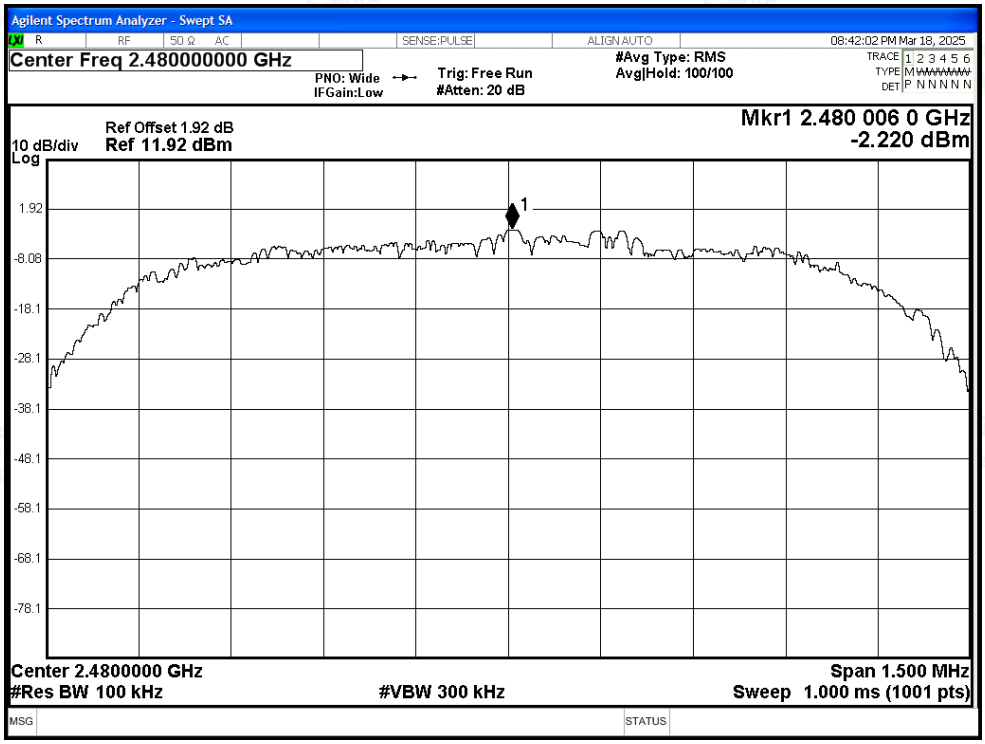
Tx. Spurious NVNT 3-DH5 2441MHz Ant Ref



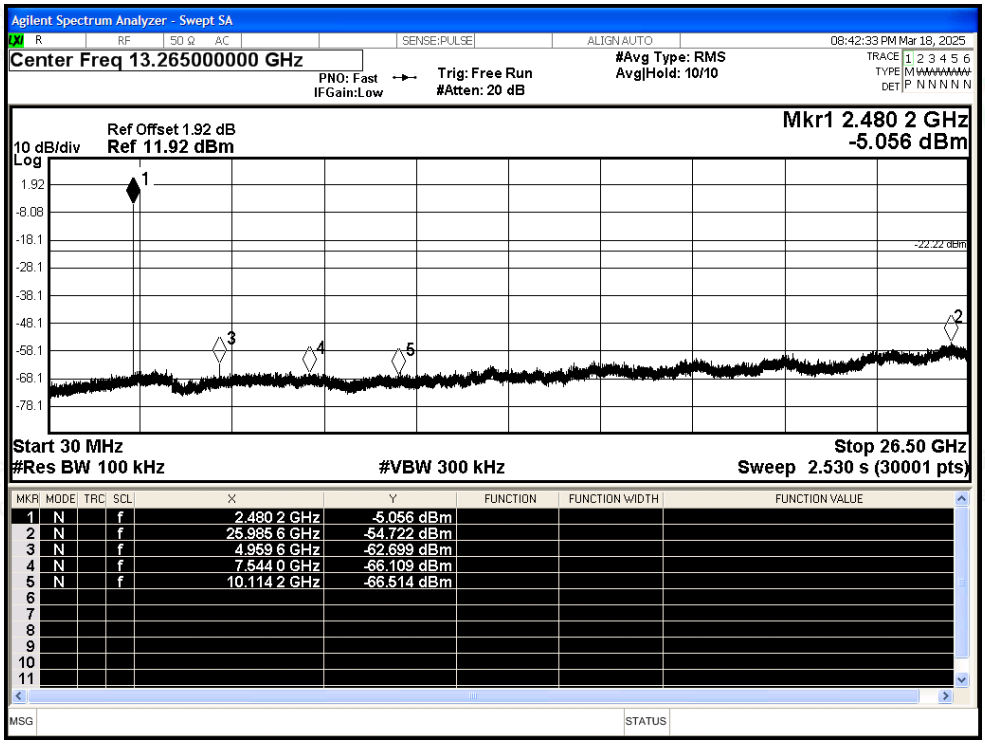
Tx. Spurious NVNT 3-DH5 2441MHz Ant Emission



Tx. Spurious NVNT 3-DH5 2480MHz Ant Ref



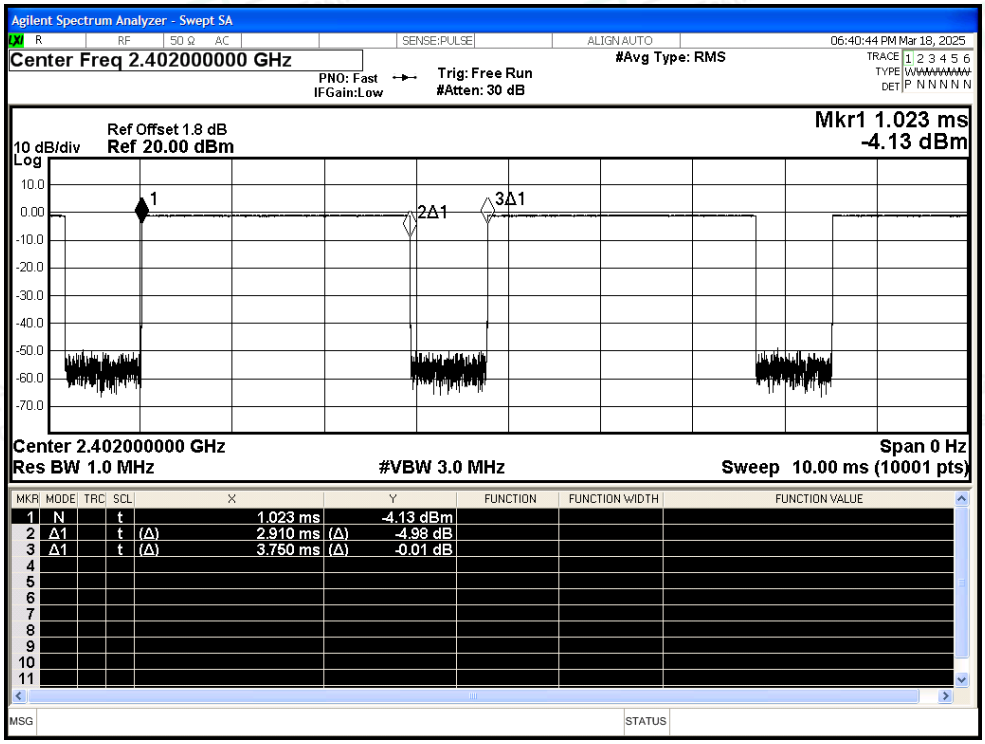
Tx. Spurious NVNT 3-DH5 2480MHz Ant Emission



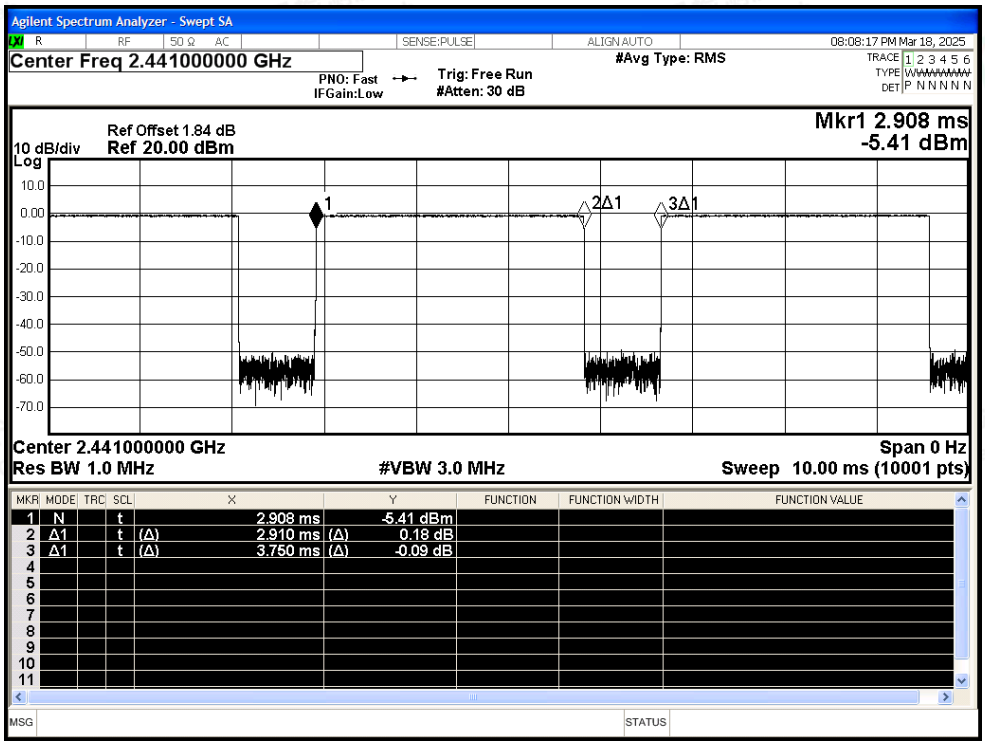
A.8 Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	1-DH5	2402	Ant	77.6	1.1	0.34
NVNT	1-DH5	2441	Ant	77.6	1.1	0.34
NVNT	1-DH5	2480	Ant	77.63	1.1	0.34
NVNT	2-DH5	2402	Ant	77.28	1.12	0.35
NVNT	2-DH5	2441	Ant	77.33	1.12	0.34
NVNT	2-DH5	2480	Ant	77.33	1.12	0.34
NVNT	3-DH5	2402	Ant	77.28	1.12	0.35
NVNT	3-DH5	2441	Ant	77.28	1.12	0.35
NVNT	3-DH5	2480	Ant	77.28	1.12	0.35

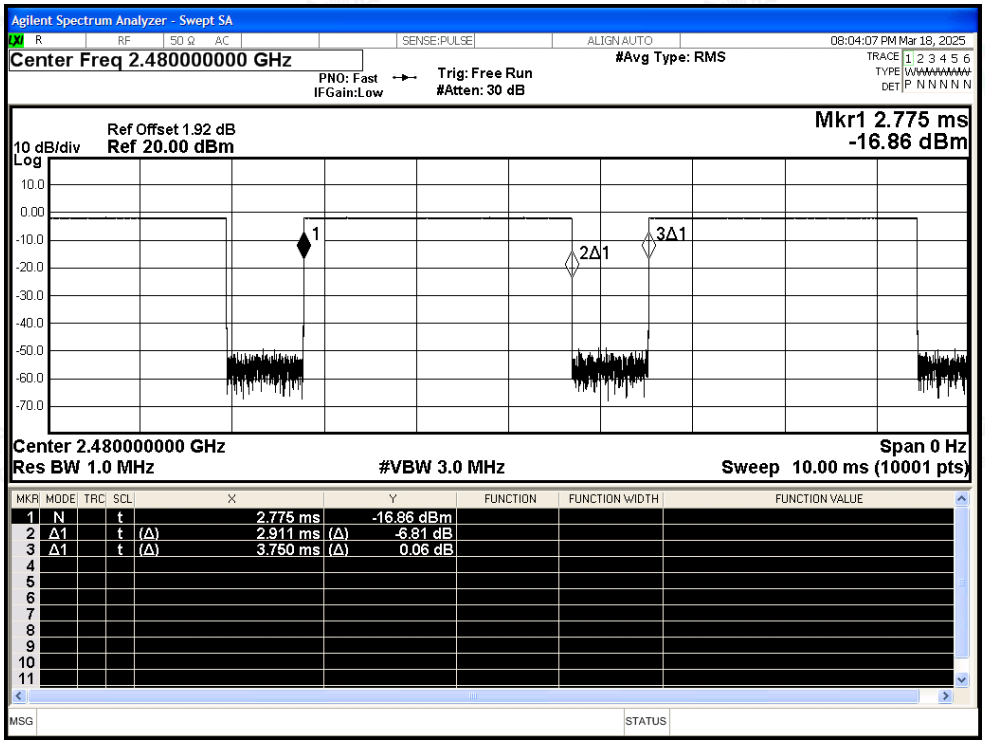
Test Graphs
Duty Cycle NVNT 1-DH5 2402MHz Ant



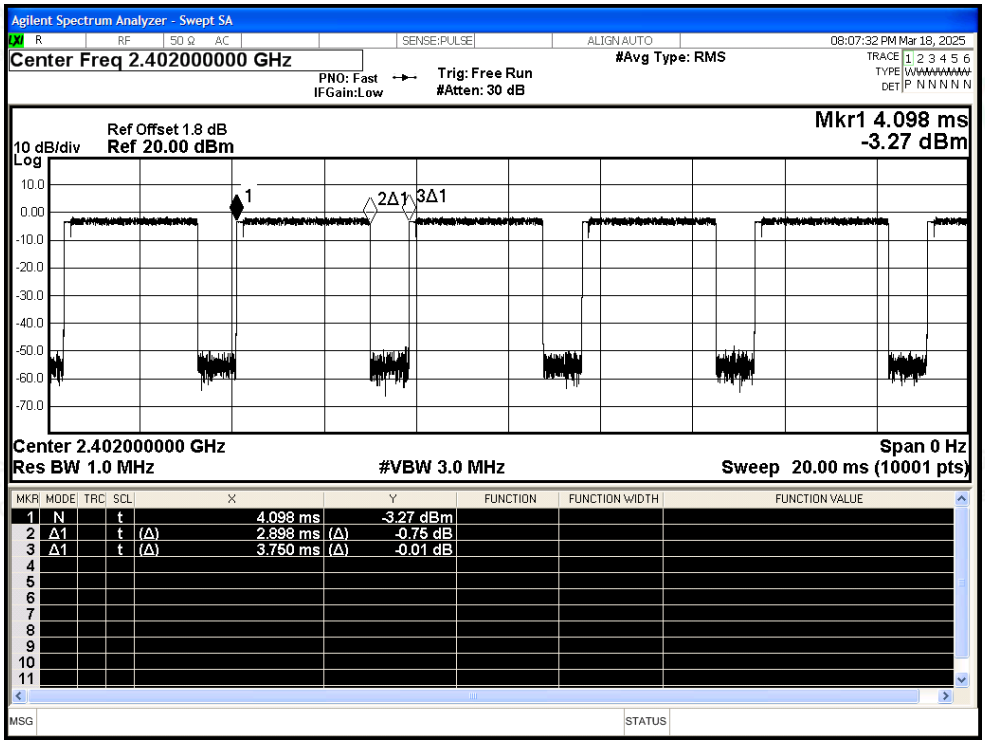
Duty Cycle NVNT 1-DH5 2441MHz Ant



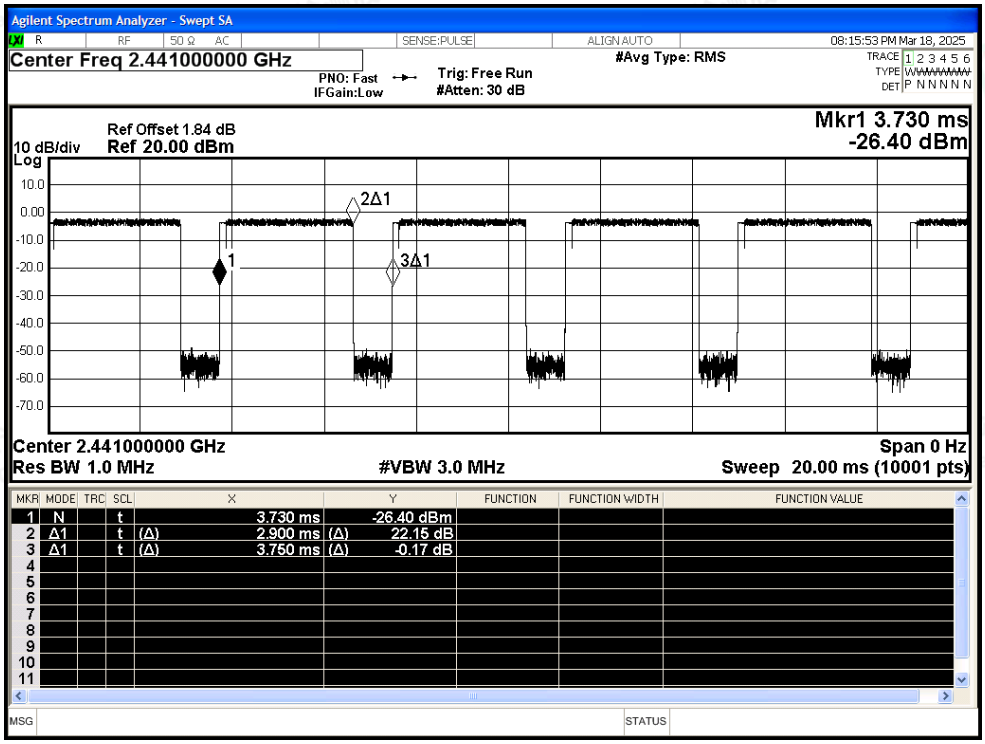
Duty Cycle NVNT 1-DH5 2480MHz Ant



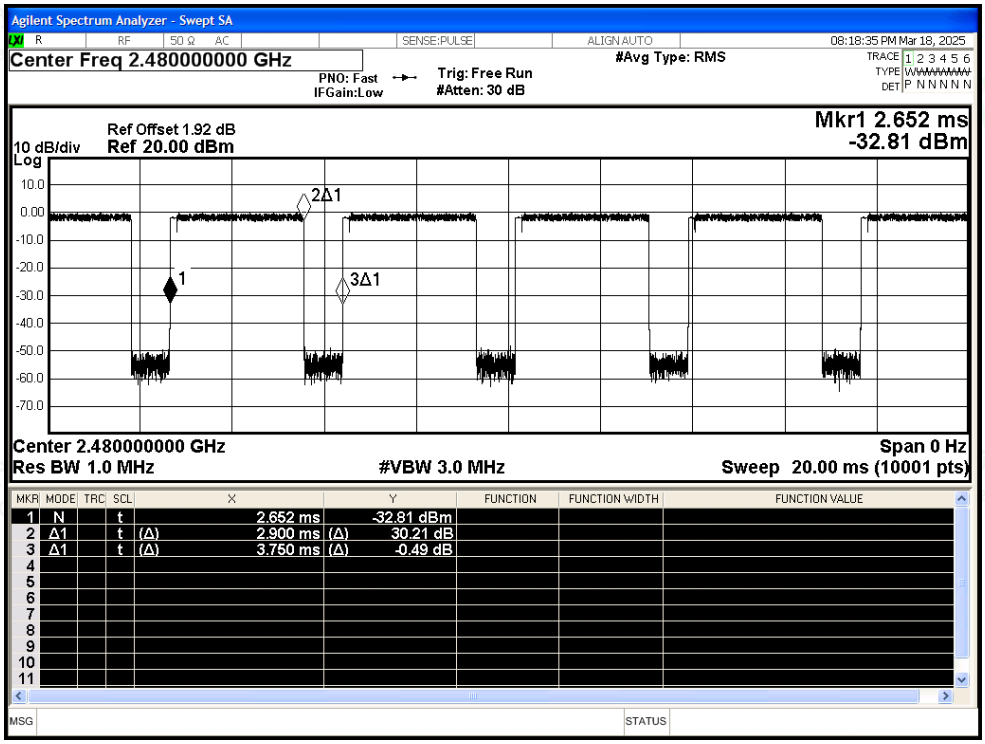
Duty Cycle NVNT 2-DH5 2402MHz Ant



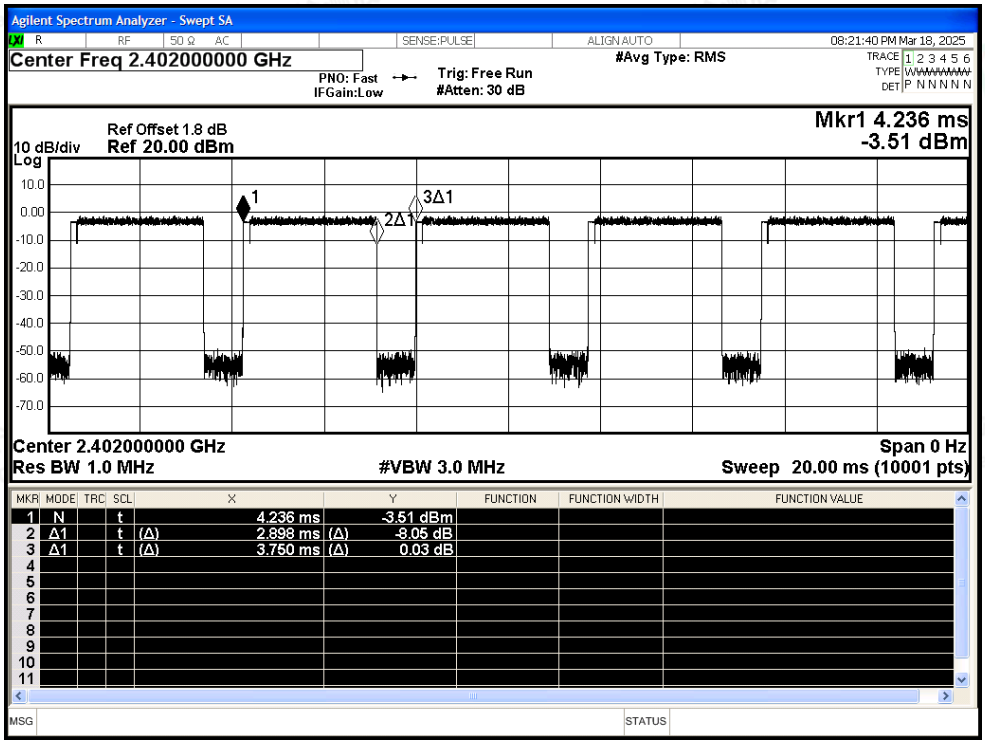
Duty Cycle NVNT 2-DH5 2441MHz Ant



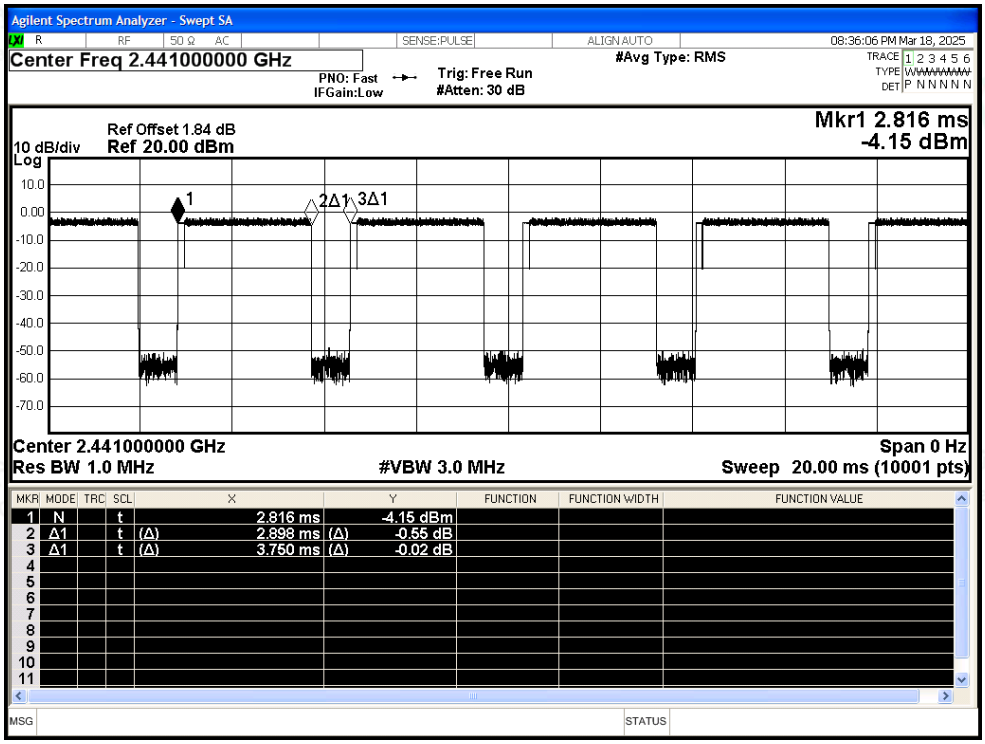
Duty Cycle NVNT 2-DH5 2480MHz Ant



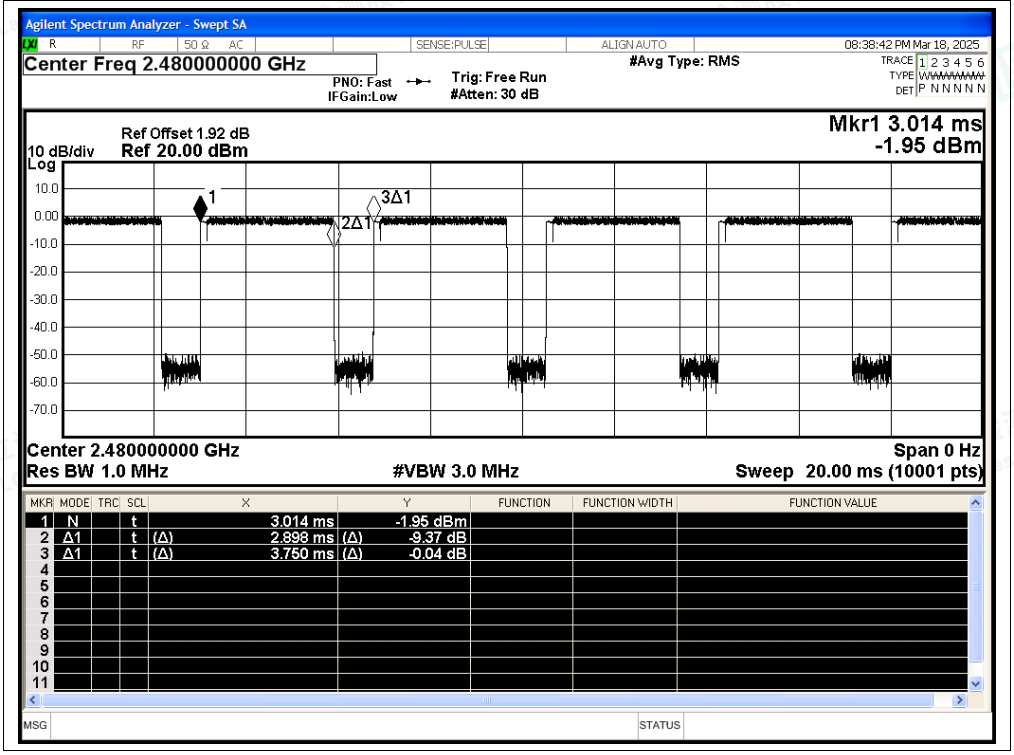
Duty Cycle NVNT 3-DH5 2402MHz Ant



Duty Cycle NVNT 3-DH5 2441MHz Ant



Duty Cycle NVNT 3-DH5 2480MHz Ant

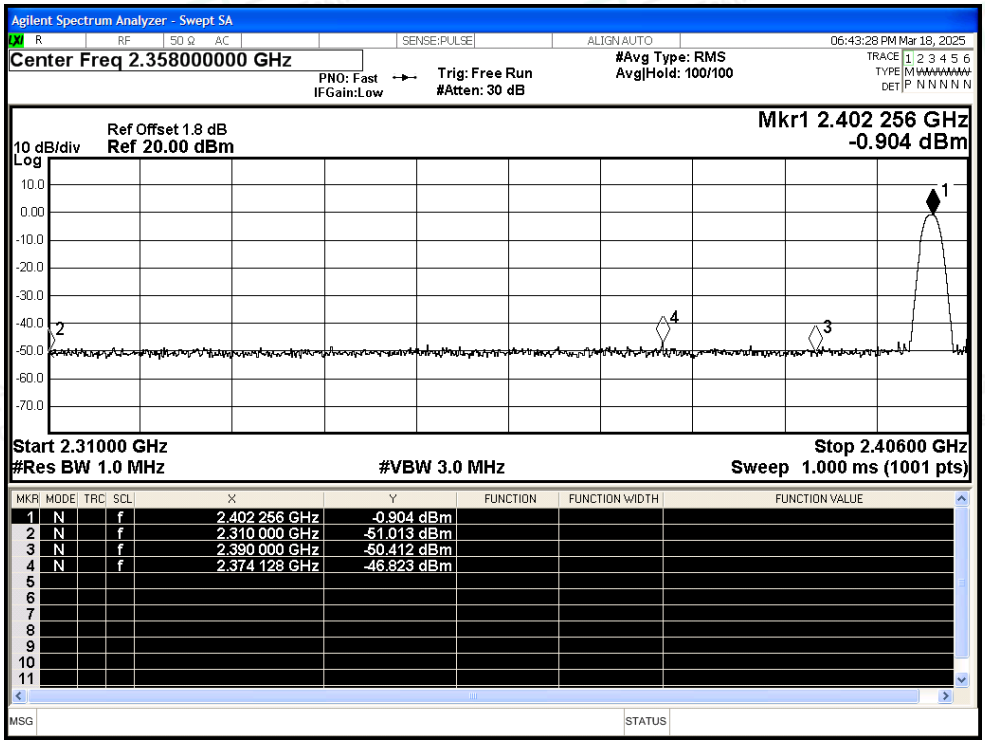


A.9 Restrict Band

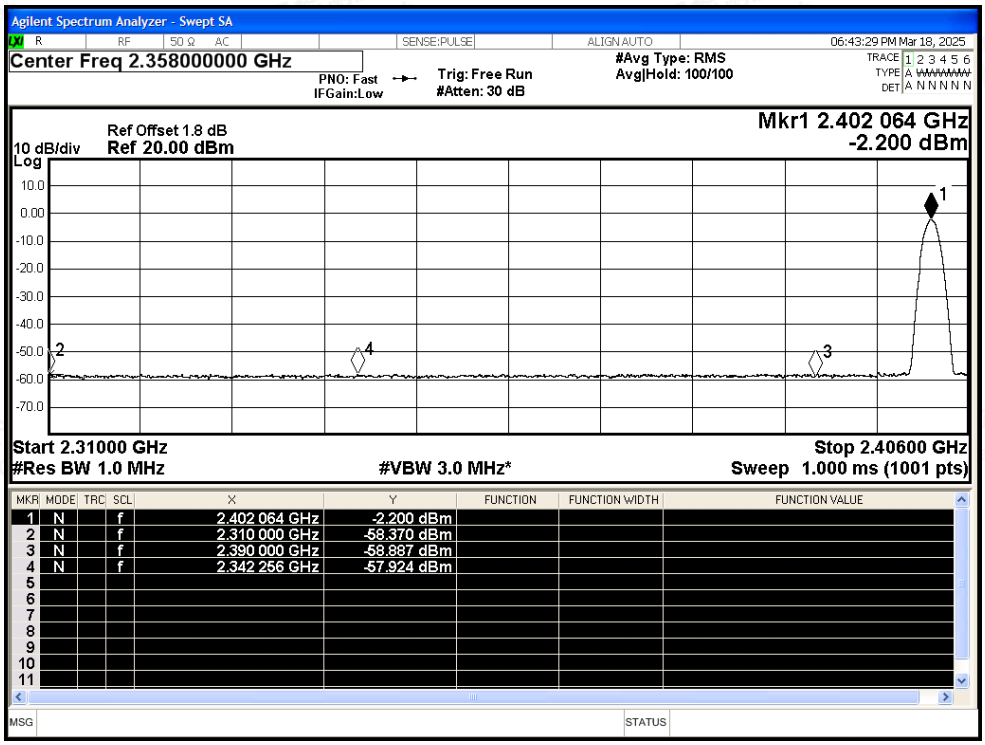
Condition	Mode	Frequency (MHz)	Antenna	Hopping Mode	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	1-DH5	2402	Ant	No-Hopping	2310	-51.01	2	-	46.25	Peak	74	Pass
NVNT	1-DH5	2402	Ant	No-Hopping	2310	-58.37	2	1.1	39.99	Average	54	Pass
NVNT	1-DH5	2402	Ant	No-Hopping	2374.128	-46.82	2	-	50.44	Peak	74	Pass
NVNT	1-DH5	2402	Ant	No-Hopping	2342.256	-57.92	2	1.1	40.44	Average	54	Pass
NVNT	1-DH5	2402	Ant	No-Hopping	2390	-50.41	2	-	46.85	Peak	74	Pass
NVNT	1-DH5	2402	Ant	No-Hopping	2390	-58.89	2	1.1	39.47	Average	54	Pass
NVNT	1-DH5	2480	Ant	No-Hopping	2483.5	-47.78	2	-	49.48	Peak	74	Pass
NVNT	1-DH5	2480	Ant	No-Hopping	2483.5	-58.43	2	1.1	39.93	Average	54	Pass
NVNT	1-DH5	2480	Ant	No-Hopping	2496.112	-47.17	2	-	50.09	Peak	74	Pass
NVNT	1-DH5	2480	Ant	No-Hopping	2484.736	-57.16	2	1.1	41.2	Average	54	Pass
NVNT	1-DH5	2480	Ant	No-Hopping	2500	-49.46	2	-	47.8	Peak	74	Pass
NVNT	1-DH5	2480	Ant	No-Hopping	2500	-57.85	2	1.1	40.51	Average	54	Pass
NVNT	2-DH5	2402	Ant	No-Hopping	2310	-50.12	2	-	47.14	Peak	74	Pass
NVNT	2-DH5	2402	Ant	No-Hopping	2310	-59.13	2	1.12	39.25	Average	54	Pass
NVNT	2-DH5	2402	Ant	No-Hopping	2320.656	-47.41	2	-	49.85	Peak	74	Pass
NVNT	2-DH5	2402	Ant	No-Hopping	2387.472	-57.68	2	1.12	40.7	Average	54	Pass
NVNT	2-DH5	2402	Ant	No-Hopping	2390	-50.74	2	-	46.52	Peak	74	Pass
NVNT	2-DH5	2402	Ant	No-Hopping	2390	-58.32	2	1.12	40.06	Average	54	Pass
NVNT	2-DH5	2480	Ant	No-Hopping	2483.5	-49.02	2	-	48.24	Peak	74	Pass
NVNT	2-DH5	2480	Ant	No-Hopping	2483.5	-57.52	2	1.12	40.86	Average	54	Pass
NVNT	2-DH5	2480	Ant	No-Hopping	2483.704	-46.78	2	-	50.48	Peak	74	Pass
NVNT	2-DH5	2480	Ant	No-Hopping	2495.68	-57.19	2	1.12	41.19	Average	54	Pass
NVNT	2-DH5	2480	Ant	No-Hopping	2500	-51.54	2	-	45.72	Peak	74	Pass
NVNT	2-DH5	2480	Ant	No-Hopping	2500	-58.18	2	1.12	40.2	Average	54	Pass
NVNT	3-DH5	2402	Ant	No-Hopping	2310	-51.15	2	-	46.11	Peak	74	Pass
NVNT	3-DH5	2402	Ant	No-Hopping	2310	-58.31	2	1.12	40.07	Average	54	Pass
NVNT	3-DH5	2402	Ant	No-Hopping	2376.048	-47.2	2	-	50.06	Peak	74	Pass
NVNT	3-DH5	2402	Ant	No-Hopping	2387.472	-57.76	2	1.12	40.62	Average	54	Pass
NVNT	3-DH5	2402	Ant	No-Hopping	2390	-49.79	2	-	47.47	Peak	74	Pass
NVNT	3-DH5	2402	Ant	No-Hopping	2390	-58.45	2	1.12	39.93	Average	54	Pass
NVNT	3-DH5	2480	Ant	No-Hopping	2483.5	-47.87	2	-	49.39	Peak	74	Pass
NVNT	3-DH5	2480	Ant	No-Hopping	2483.5	-57.15	2	1.12	41.23	Average	54	Pass
NVNT	3-DH5	2480	Ant	No-Hopping	2483.704	-47.04	2	-	50.22	Peak	74	Pass
NVNT	3-DH5	2480	Ant	No-Hopping	2483.68	-56.92	2	1.12	41.46	Average	54	Pass
NVNT	3-DH5	2480	Ant	No-Hopping	2500	-49.34	2	-	47.92	Peak	74	Pass
NVNT	3-DH5	2480	Ant	No-Hopping	2500	-58.44	2	1.12	39.94	Average	54	Pass

Test Graphs

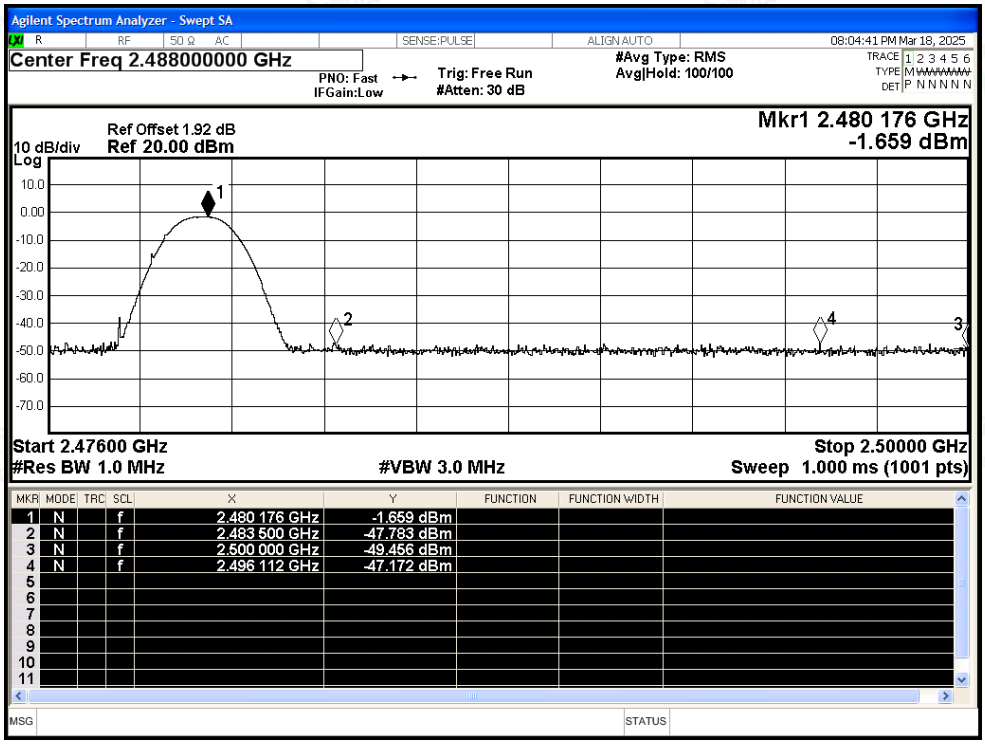
Restrict Band NVNT 1-DH5 2402MHz Ant No-Hopping Peak



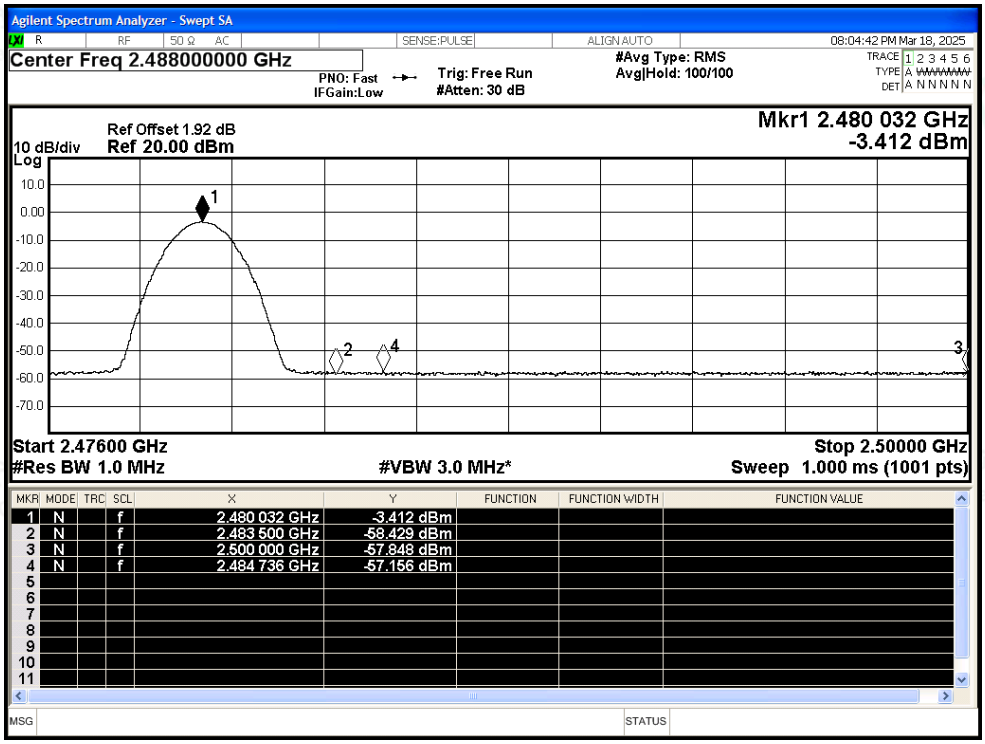
Restrict Band NVNT 1-DH5 2402MHz Ant No-Hopping Average



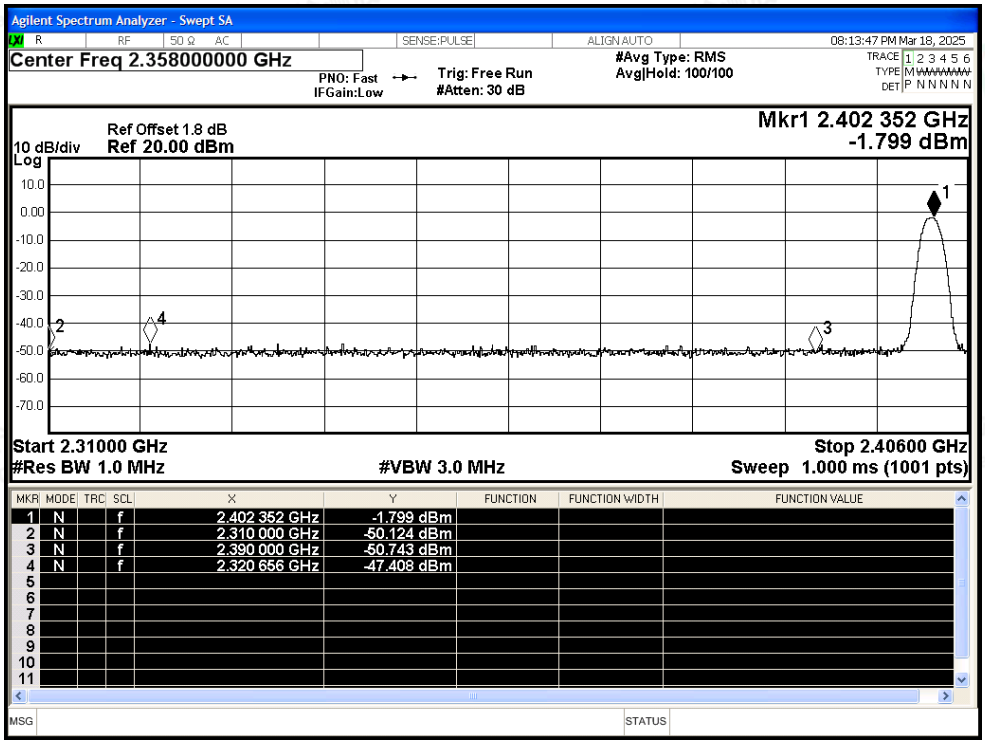
Restrict Band NVNT 1-DH5 2480MHz Ant No-Hopping Peak



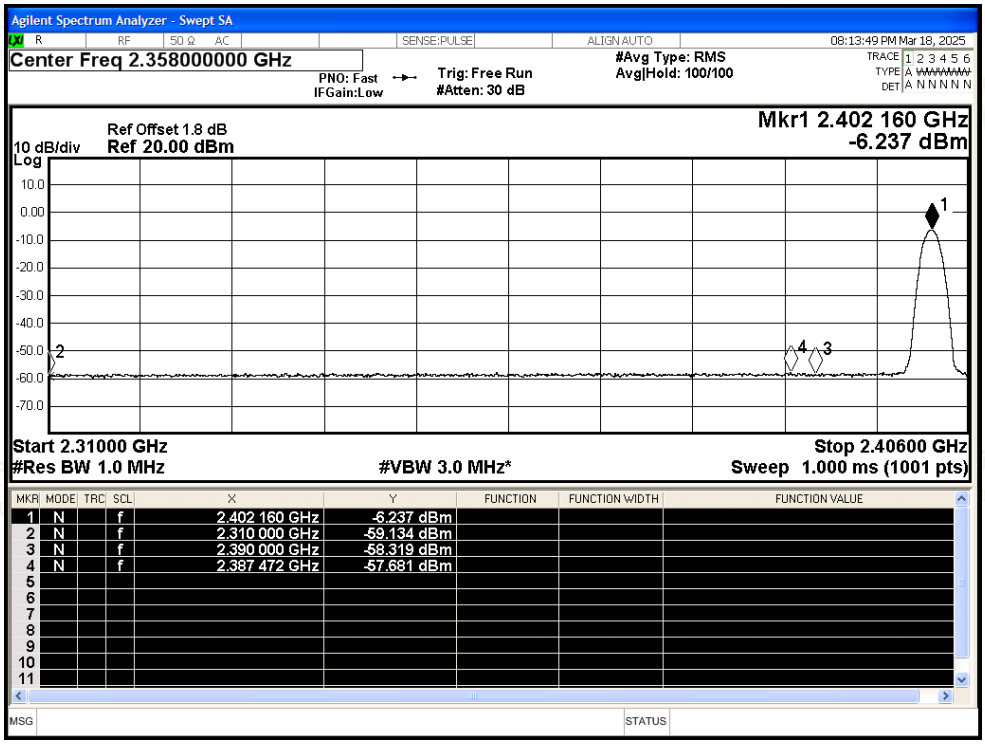
Restrict Band NVNT 1-DH5 2480MHz Ant No-Hopping Average



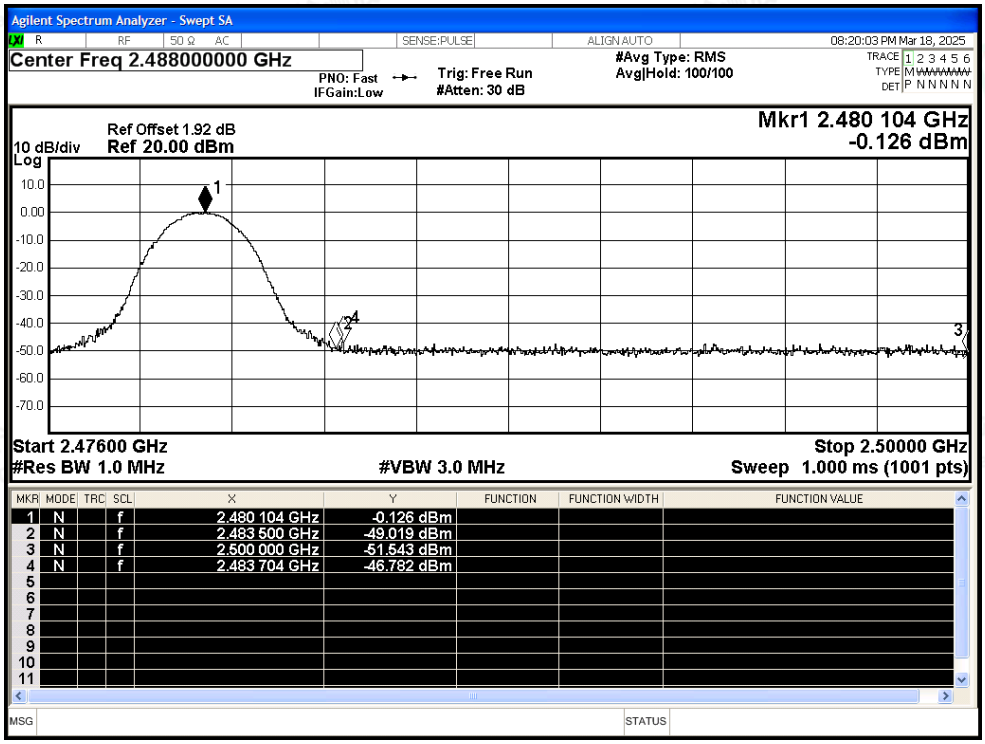
Restrict Band NVNT 2-DH5 2402MHz Ant No-Hopping Peak



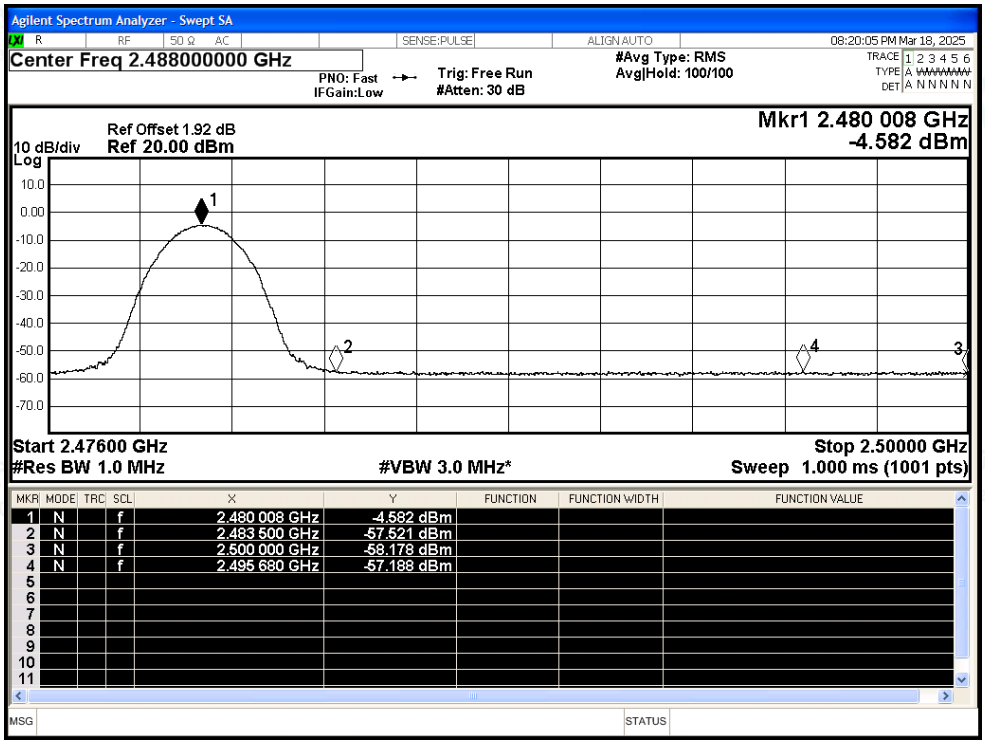
Restrict Band NVNT 2-DH5 2402MHz Ant No-Hopping Average



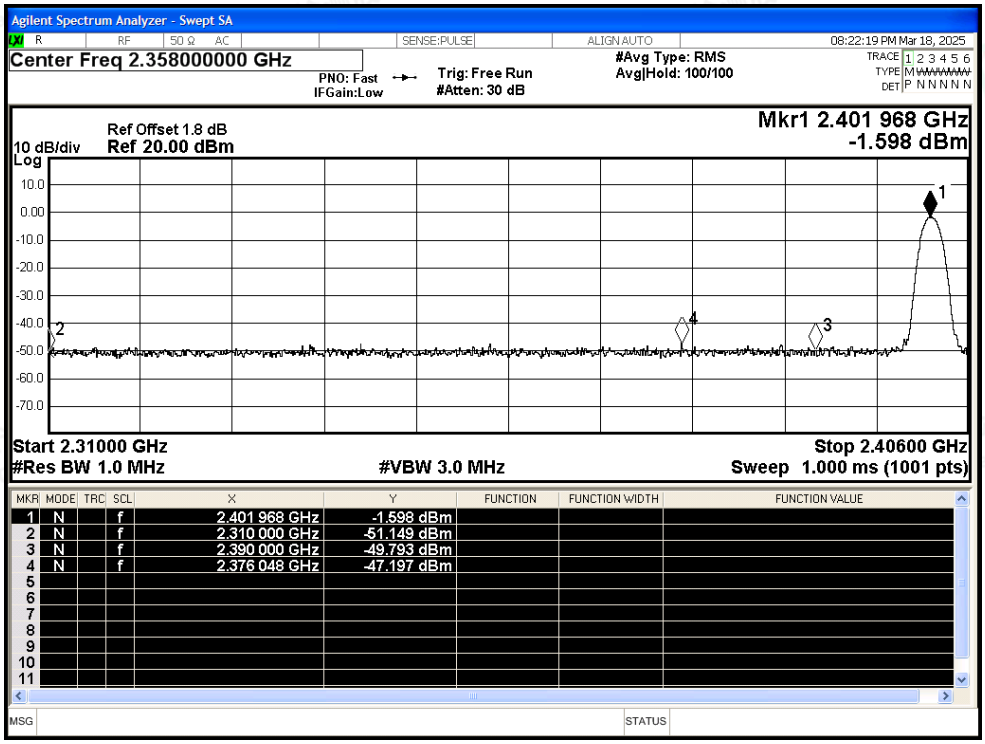
Restrict Band NVNT 2-DH5 2480MHz Ant No-Hopping Peak



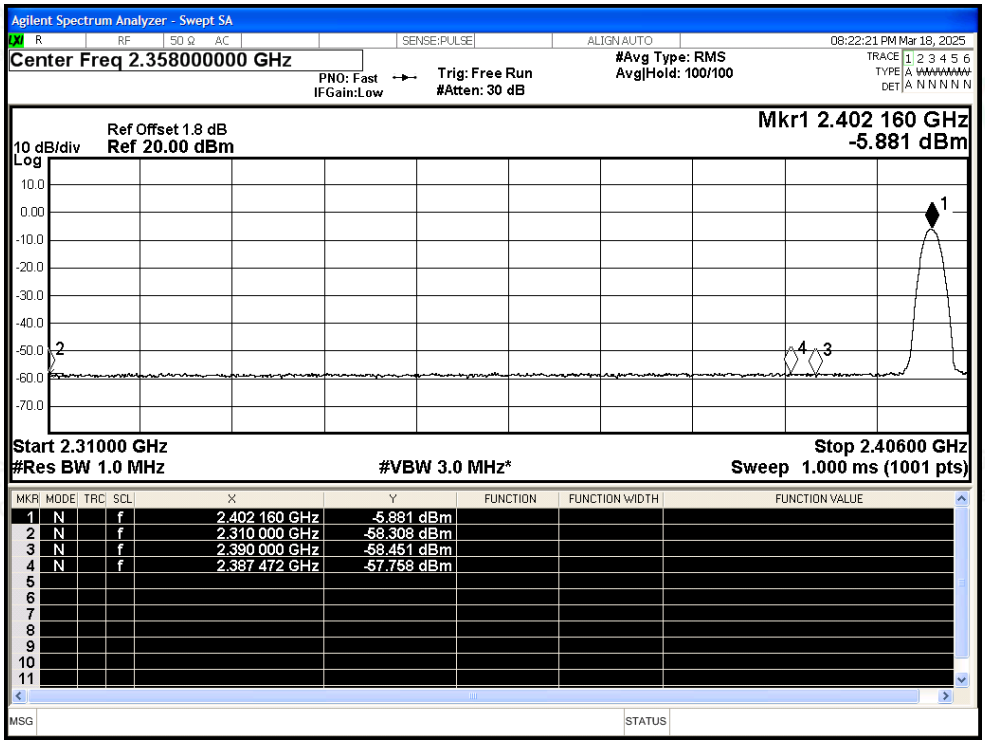
Restrict Band NVNT 2-DH5 2480MHz Ant No-Hopping Average



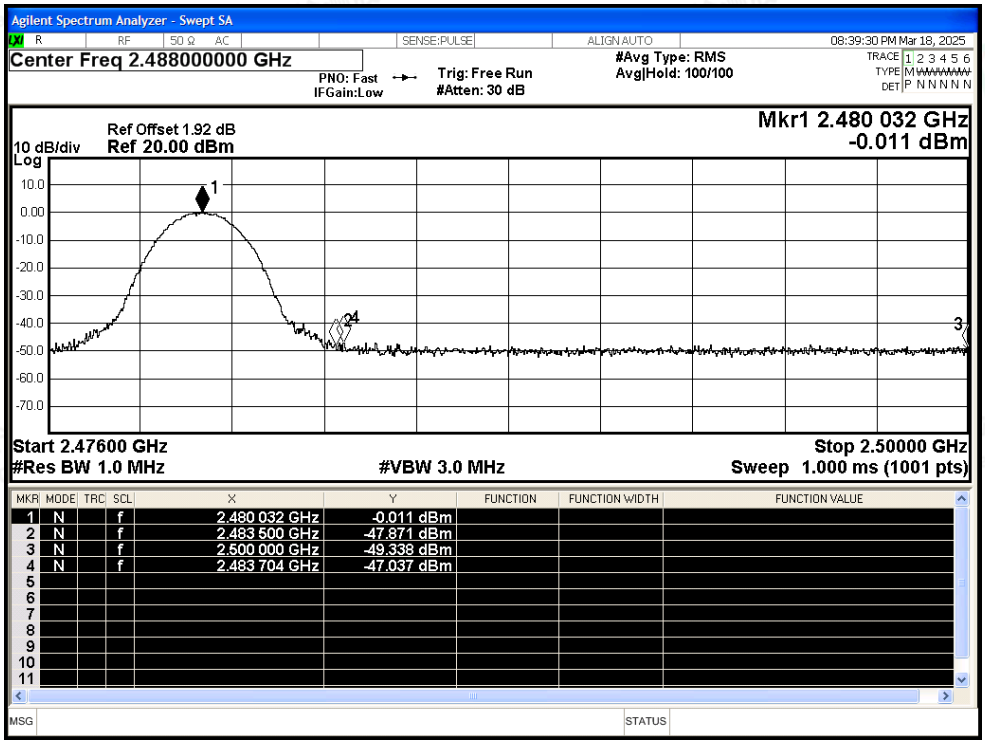
Restrict Band NVNT 3-DH5 2402MHz Ant No-Hopping Peak



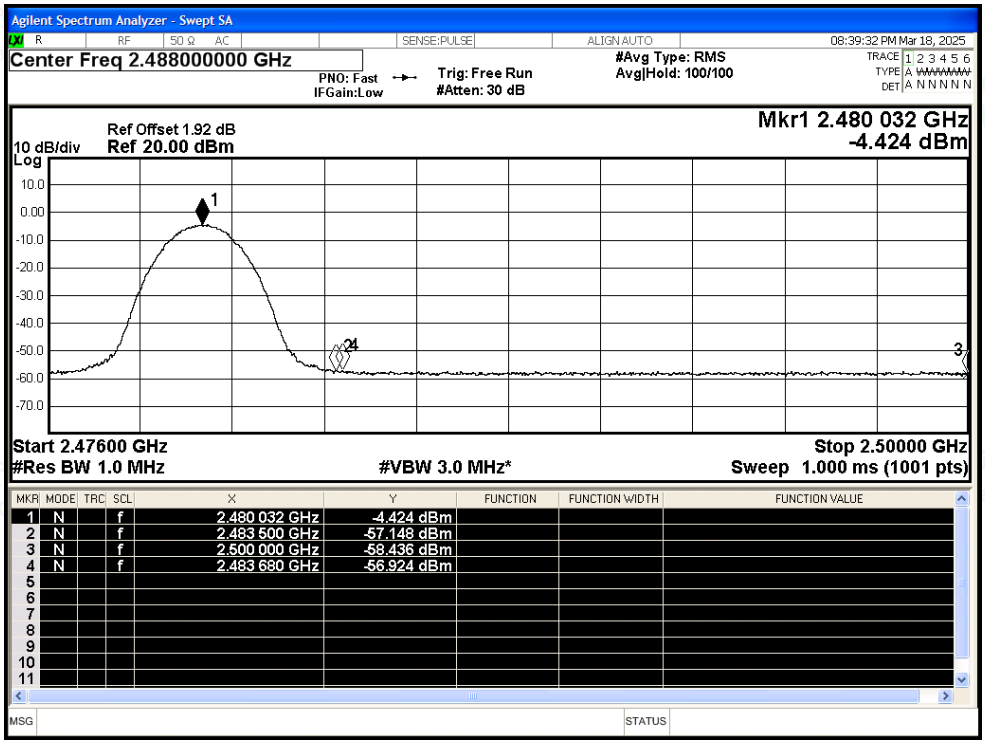
Restrict Band NVNT 3-DH5 2402MHz Ant No-Hopping Average



Restrict Band NVNT 3-DH5 2480MHz Ant No-Hopping Peak



Restrict Band NVNT 3-DH5 2480MHz Ant No-Hopping Average



Appendix B

RF Test Data for BT LE(Conducted Measurement)

Product Name: Smart Phone

Test Model: BraX3

Environmental Conditions

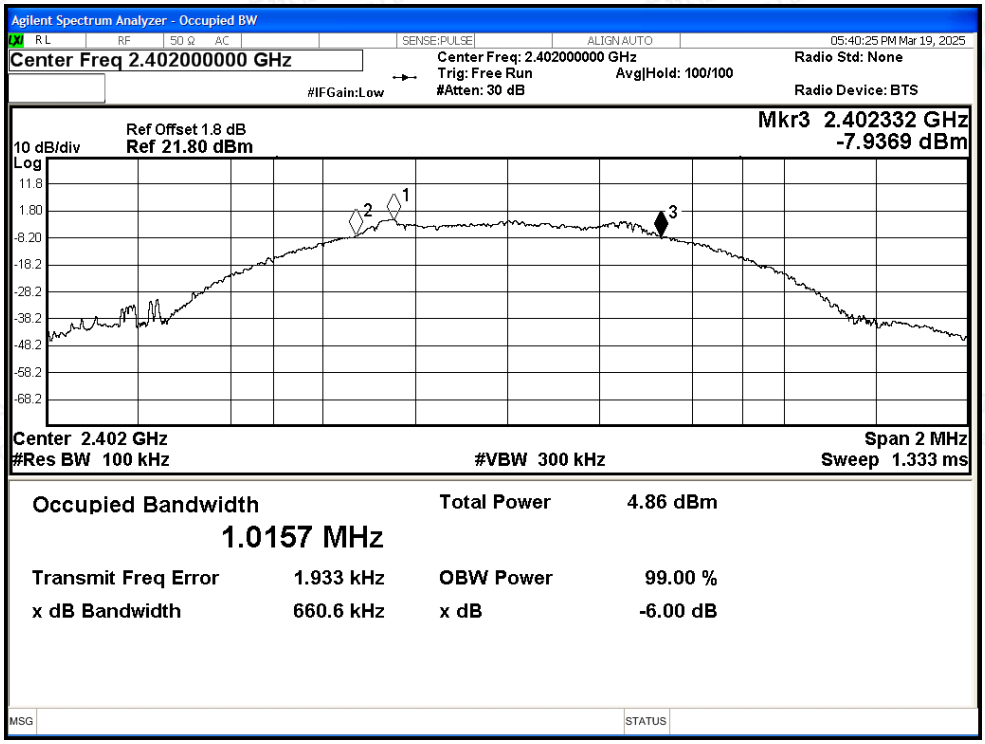
Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng

B.1-6dB Bandwidth

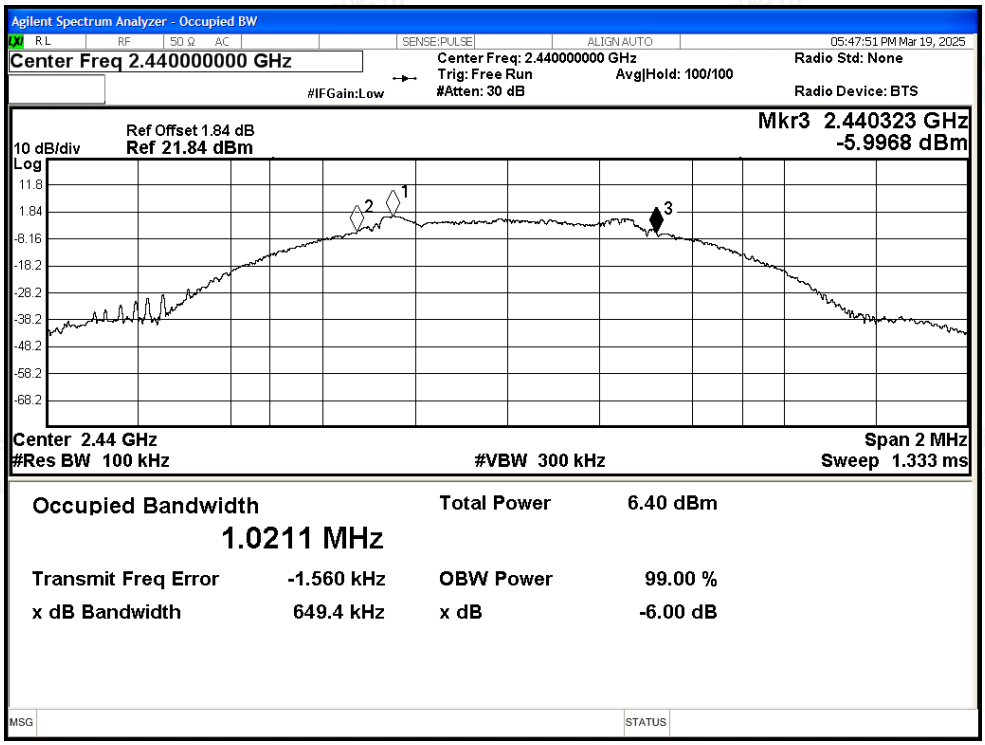
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	BLE 1M	2402	Ant	0.661	>=0.5	Pass
NVNT	BLE 1M	2440	Ant	0.649	>=0.5	Pass
NVNT	BLE 1M	2480	Ant	0.658	>=0.5	Pass
NVNT	BLE 2M	2402	Ant	1.153	>=0.5	Pass
NVNT	BLE 2M	2440	Ant	1.122	>=0.5	Pass
NVNT	BLE 2M	2480	Ant	1.138	>=0.5	Pass

Test Graphs

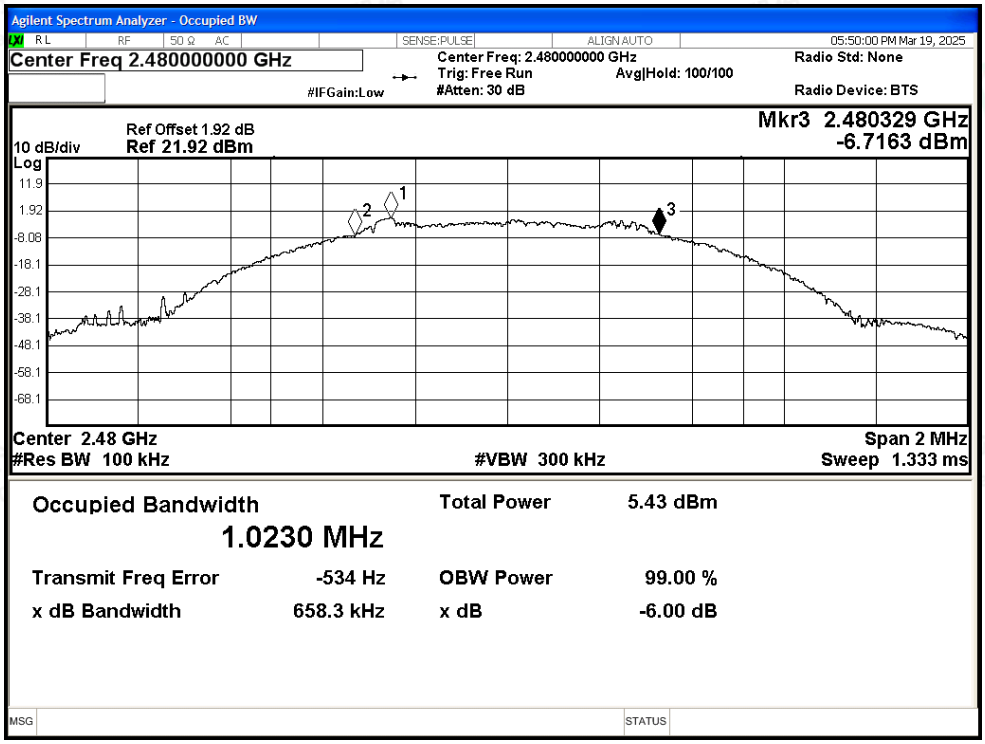
-6dB Bandwidth NVNT BLE 1M 2402MHz Ant



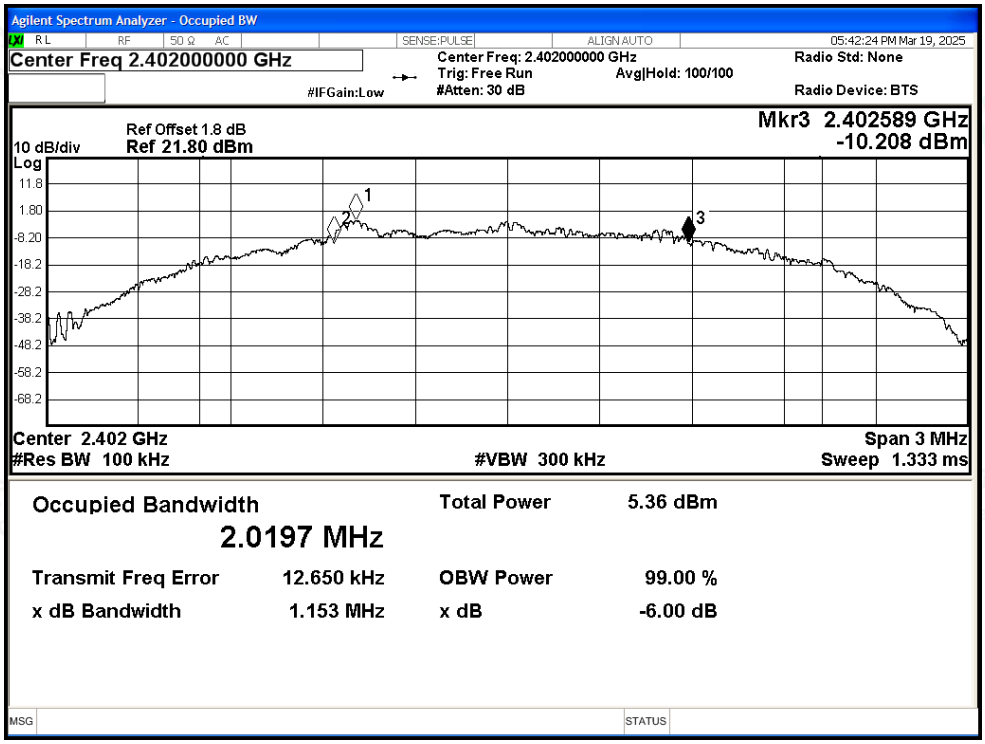
-6dB Bandwidth NVNT BLE 1M 2440MHz Ant



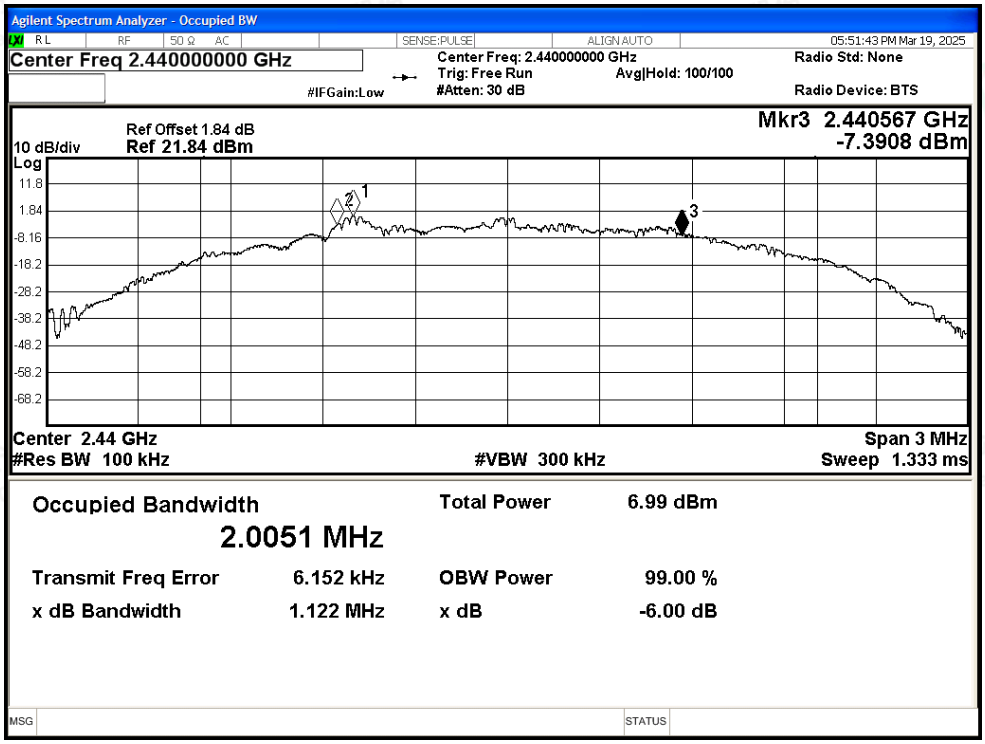
-6dB Bandwidth NVNT BLE 1M 2480MHz Ant



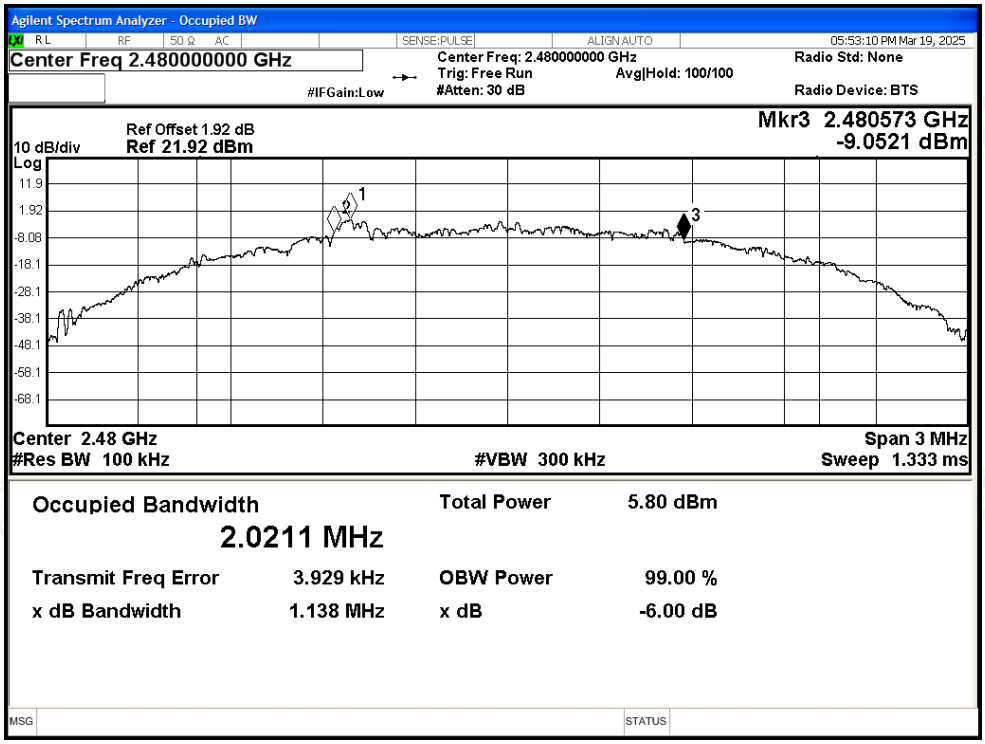
-6dB Bandwidth NVNT BLE 2M 2402MHz Ant



-6dB Bandwidth NVNT BLE 2M 2440MHz Ant



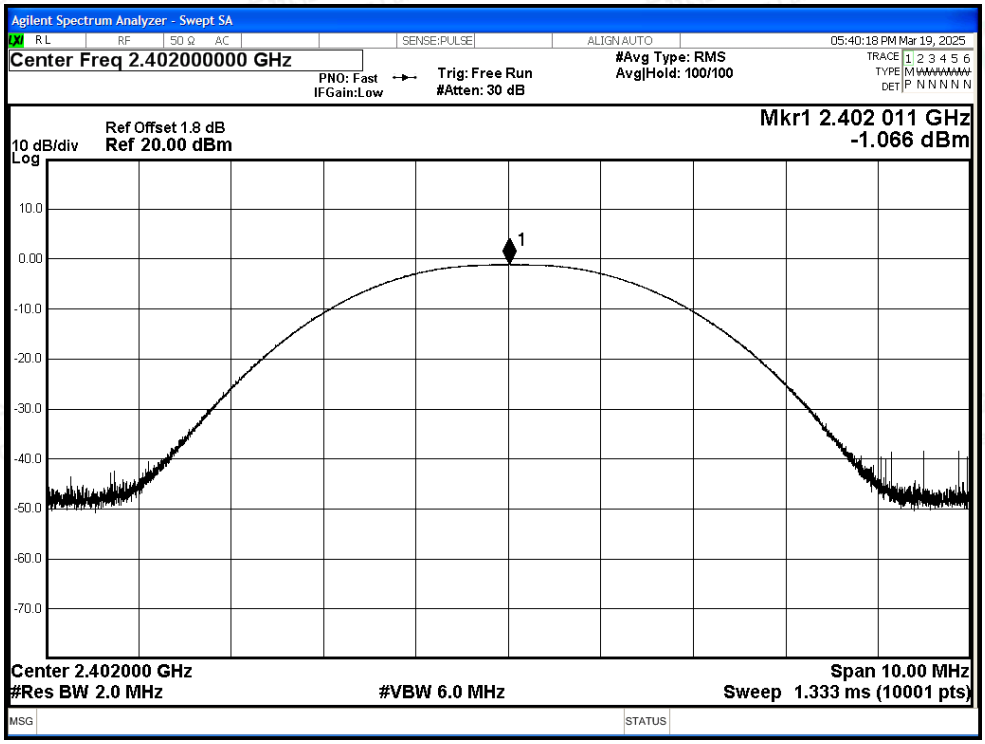
-6dB Bandwidth NVNT BLE 2M 2480MHz Ant



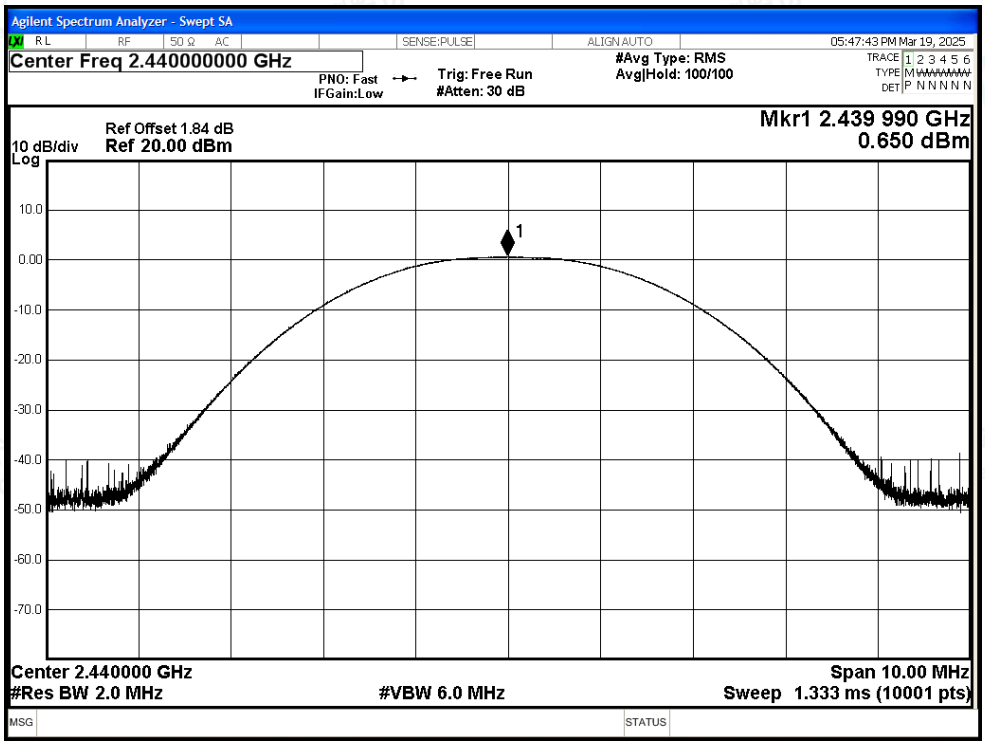
B.2 Maximum Peak Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	BLE 1M	2402	Ant	-1.07	30	Pass
NVNT	BLE 1M	2440	Ant	0.65	30	Pass
NVNT	BLE 1M	2480	Ant	-0.32	30	Pass
NVNT	BLE 2M	2402	Ant	-1.16	30	Pass
NVNT	BLE 2M	2440	Ant	0.51	30	Pass
NVNT	BLE 2M	2480	Ant	-0.48	30	Pass

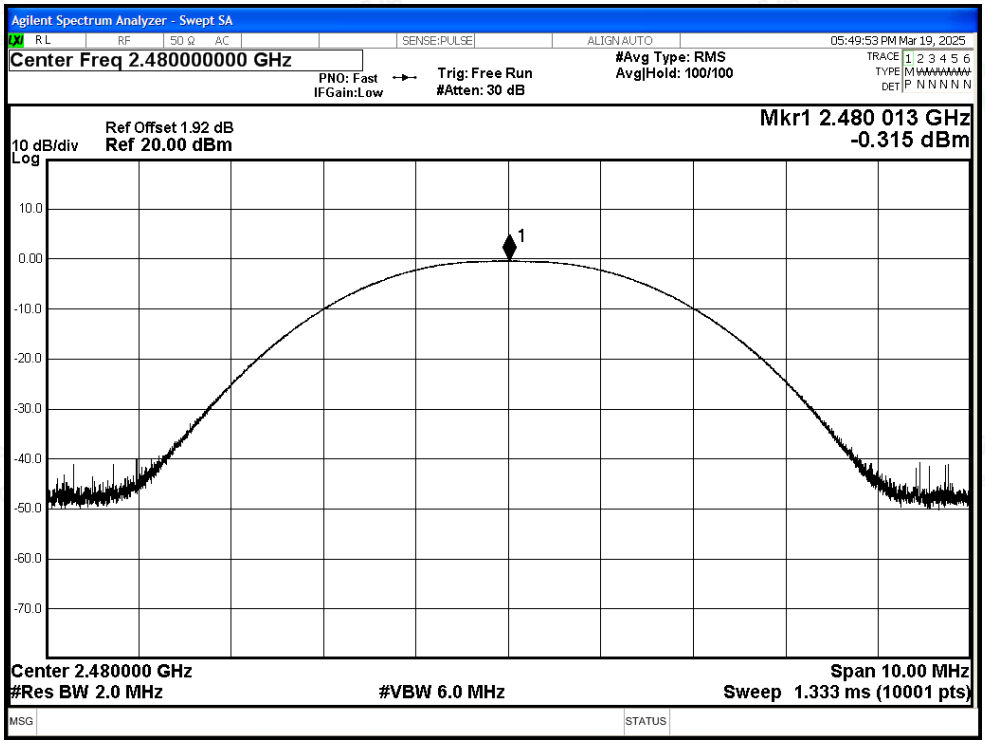
Test Graphs
Power NVNT BLE 1M 2402MHz Ant



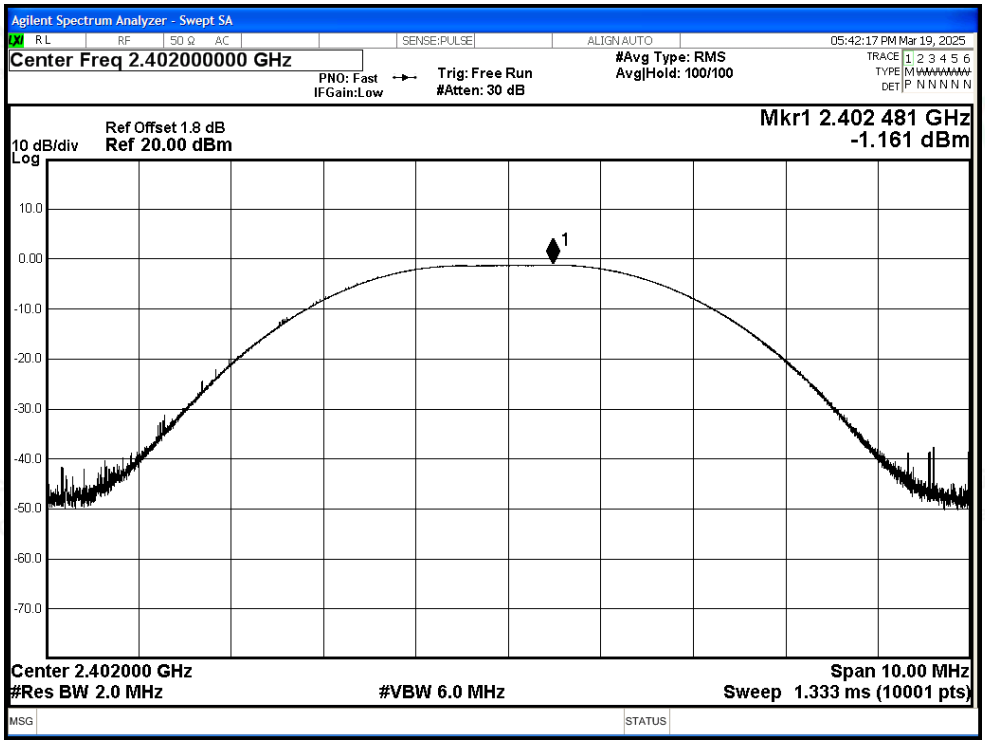
Power NVNT BLE 1M 2440MHz Ant



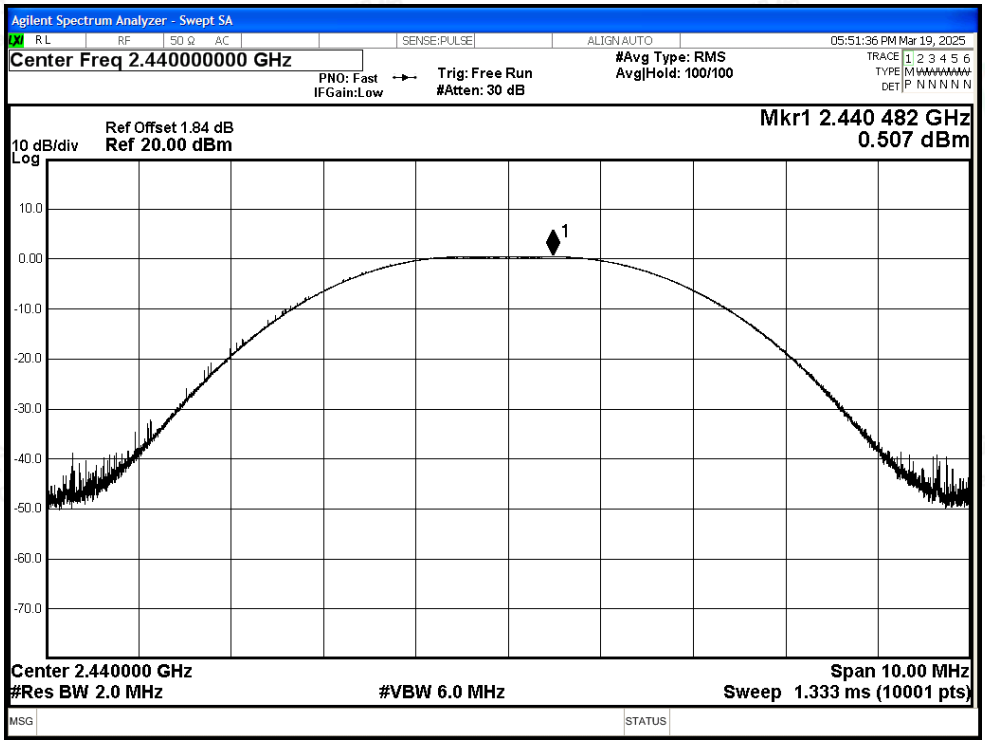
Power NVNT BLE 1M 2480MHz Ant



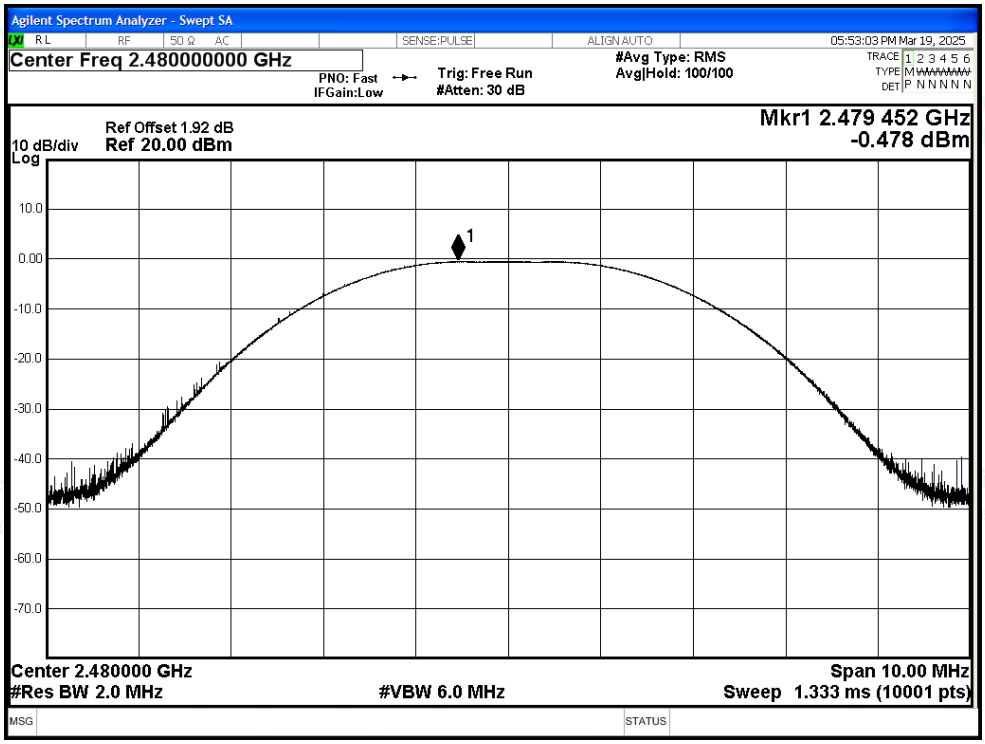
Power NVNT BLE 2M 2402MHz Ant



Power NVNT BLE 2M 2440MHz Ant



Power NVNT BLE 2M 2480MHz Ant

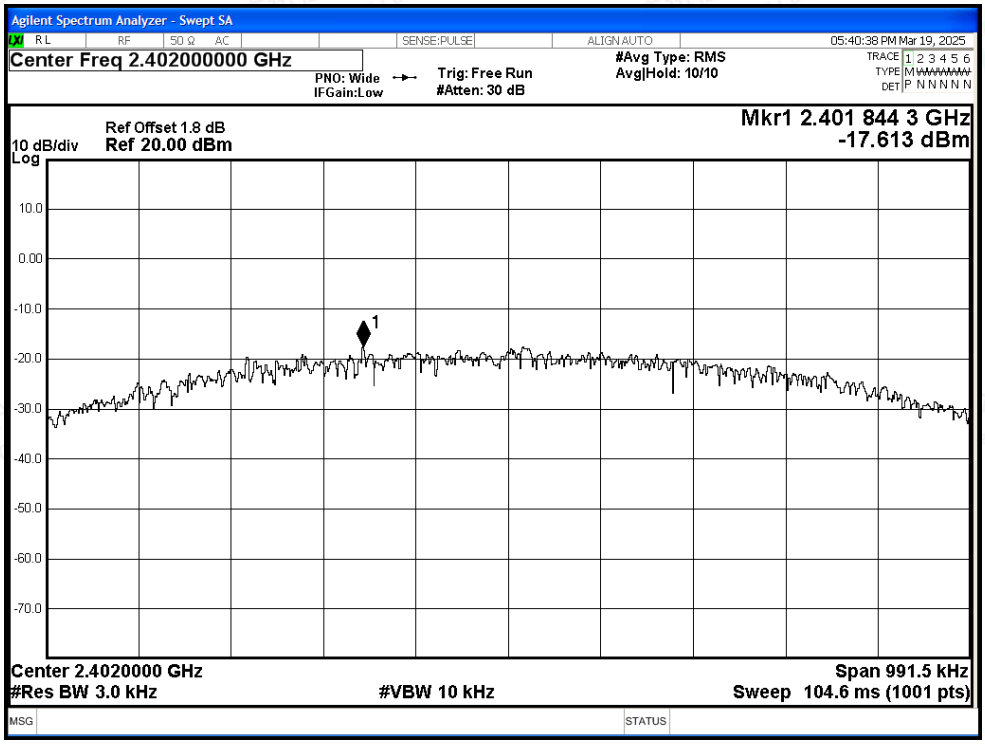


B.3 Maximum Power Spectral Density Level

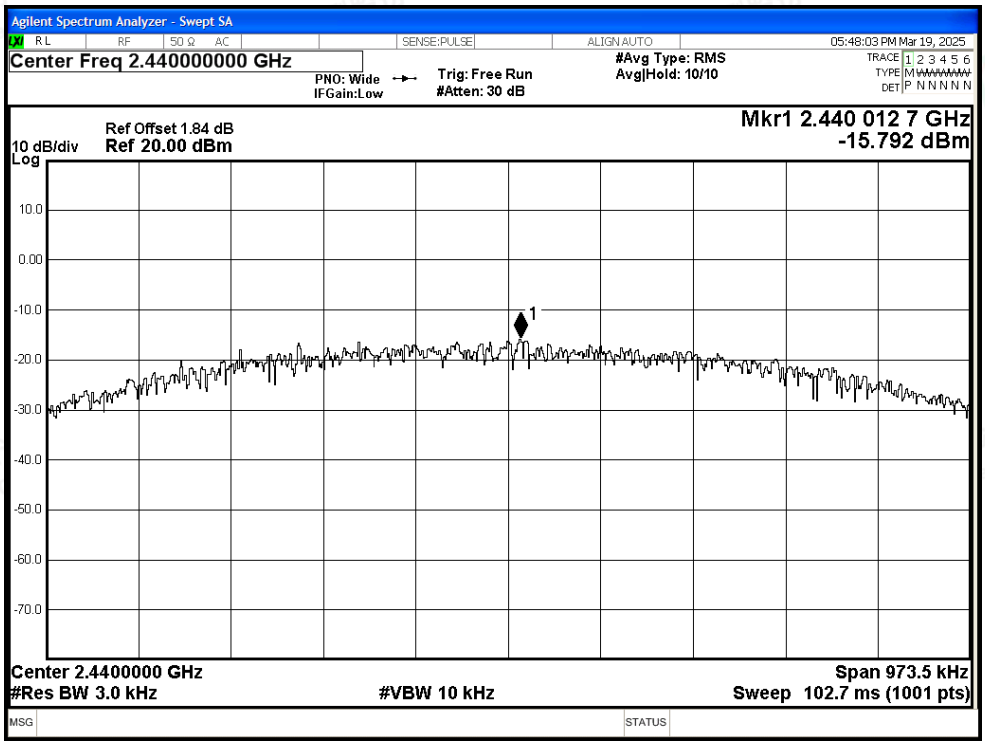
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	BLE 1M	2402	Ant	-17.61	8	Pass
NVNT	BLE 1M	2440	Ant	-15.79	8	Pass
NVNT	BLE 1M	2480	Ant	-17.05	8	Pass
NVNT	BLE 2M	2402	Ant	-21	8	Pass
NVNT	BLE 2M	2440	Ant	-19.52	8	Pass
NVNT	BLE 2M	2480	Ant	-20.56	8	Pass

Test Graphs

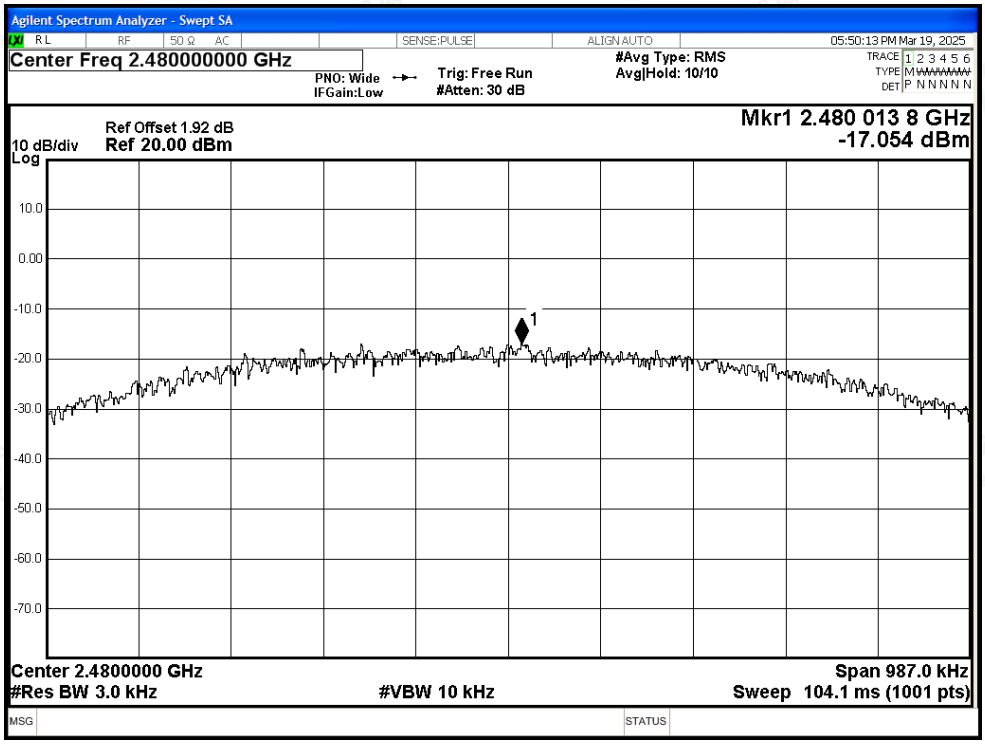
PSD NVNT BLE 1M 2402MHz Ant



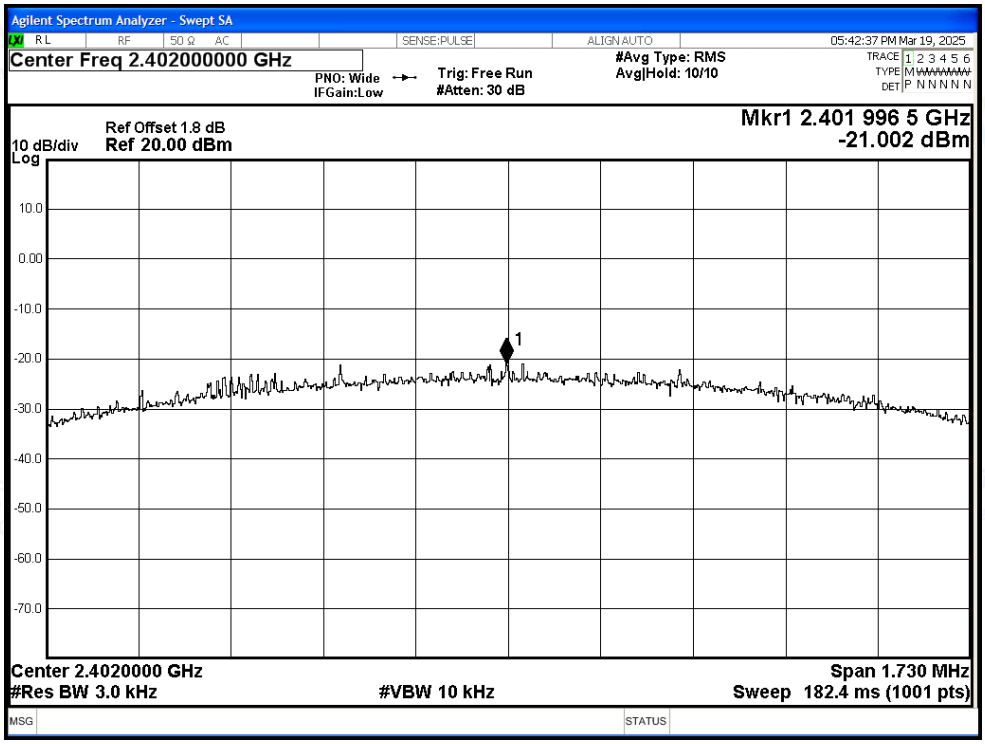
PSD NVNT BLE 1M 2440MHz Ant



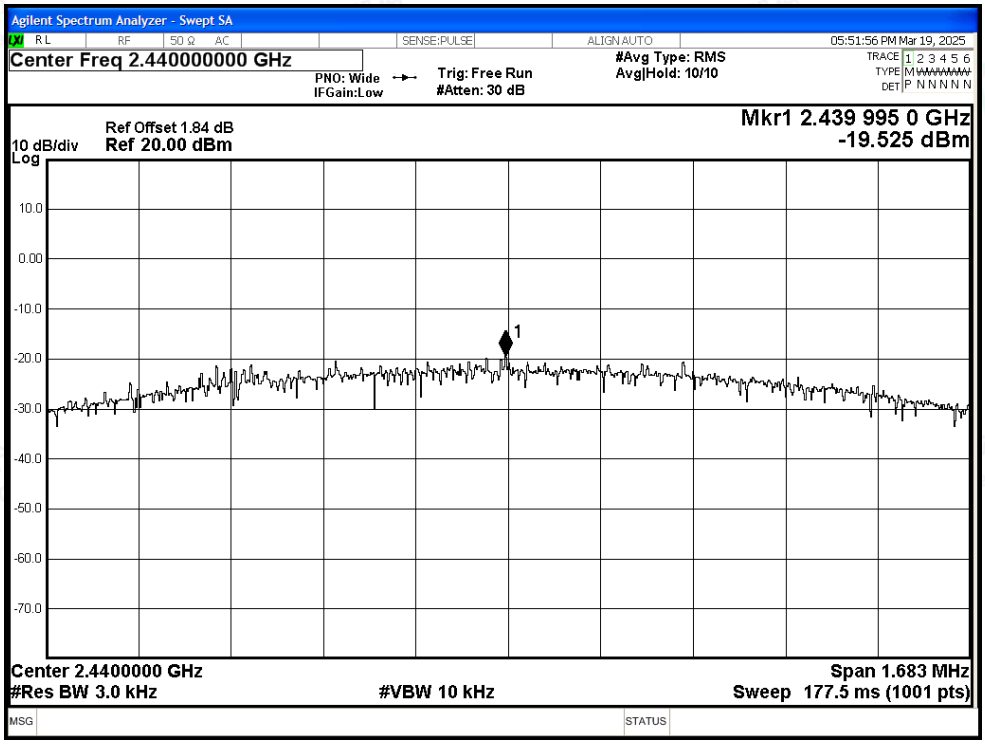
PSD NVNT BLE 1M 2480MHz Ant



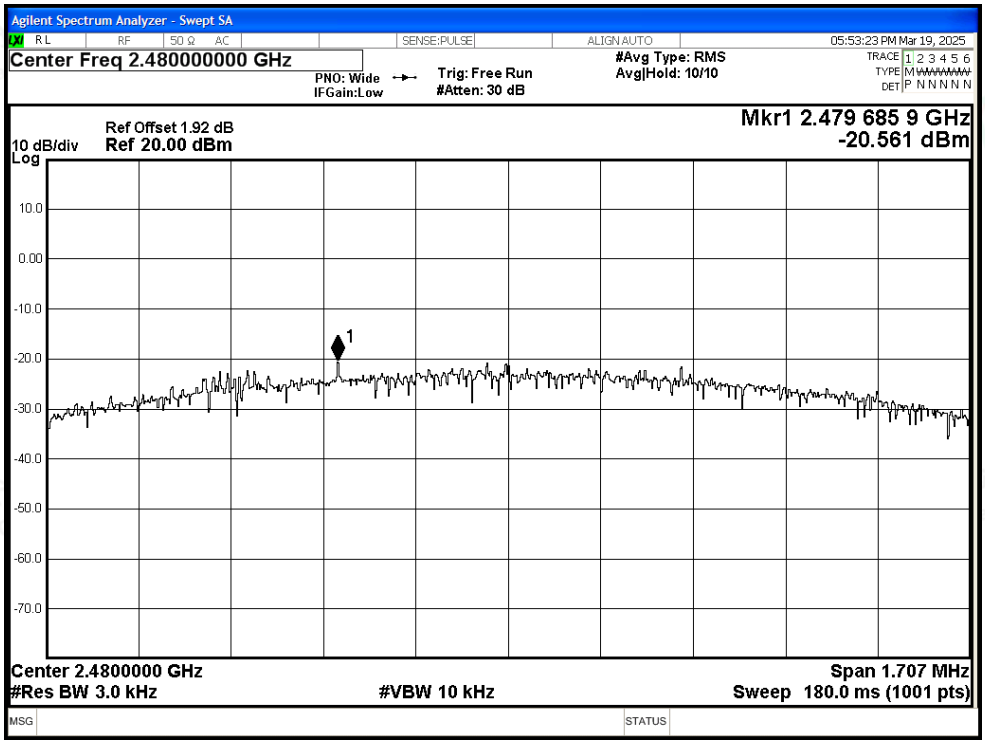
PSD NVNT BLE 2M 2402MHz Ant



PSD NVNT BLE 2M 2440MHz Ant



PSD NVNT BLE 2M 2480MHz Ant

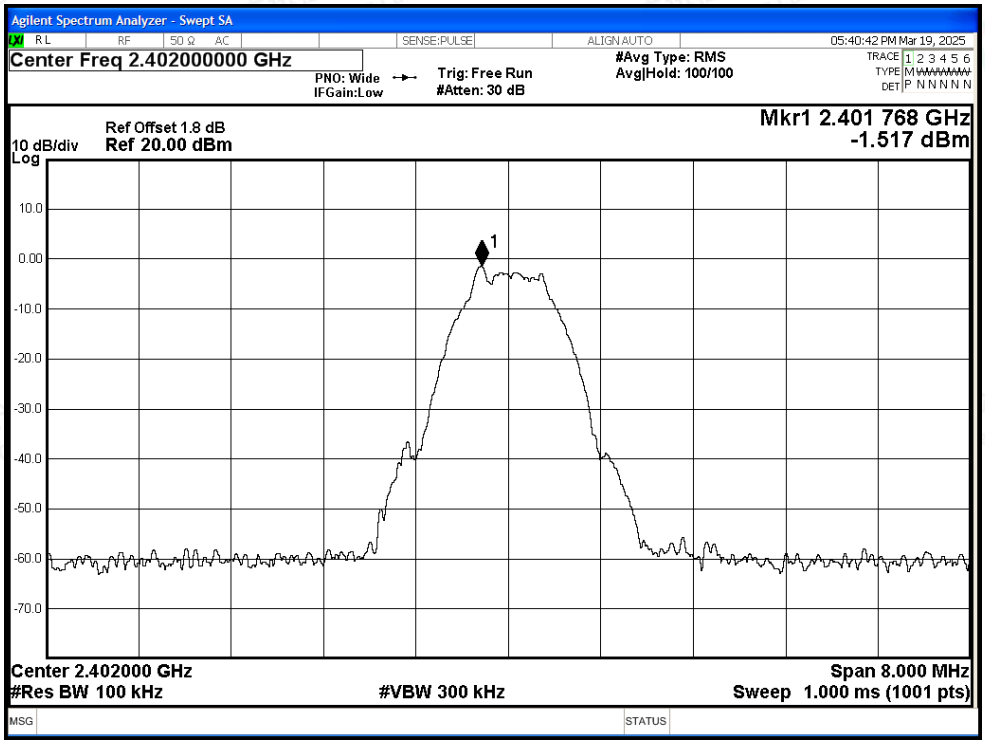


B.4 Band Edge

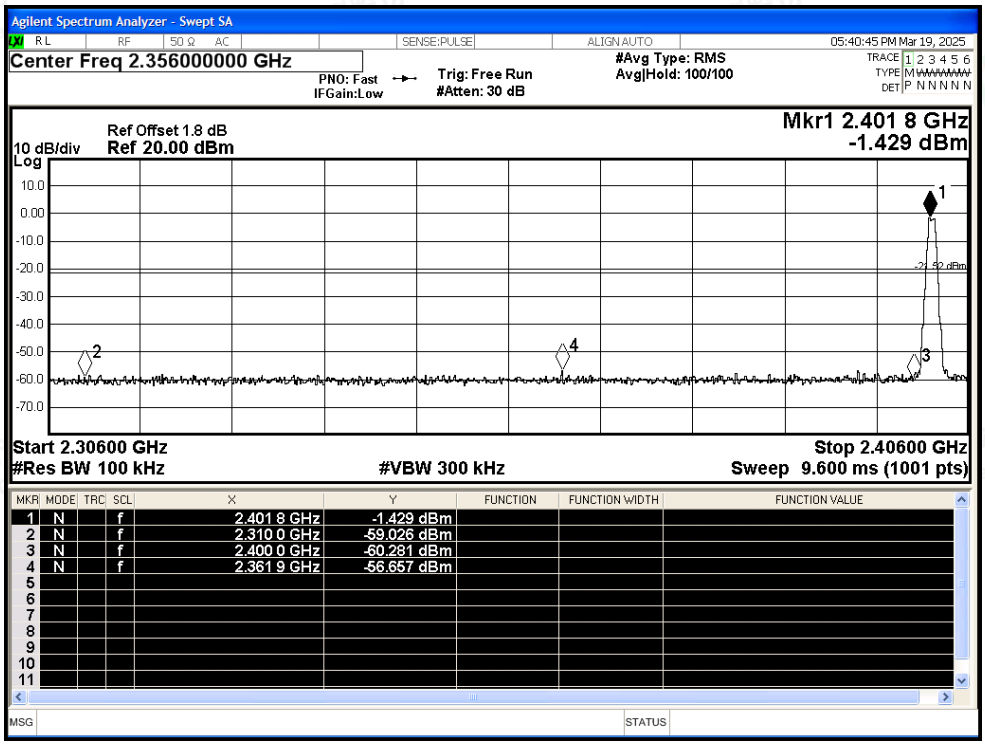
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant	-55.14	-20	Pass
NVNT	BLE 1M	2480	Ant	-56.12	-20	Pass
NVNT	BLE 2M	2402	Ant	-44.85	-20	Pass
NVNT	BLE 2M	2480	Ant	-56.43	-20	Pass

Test Graphs

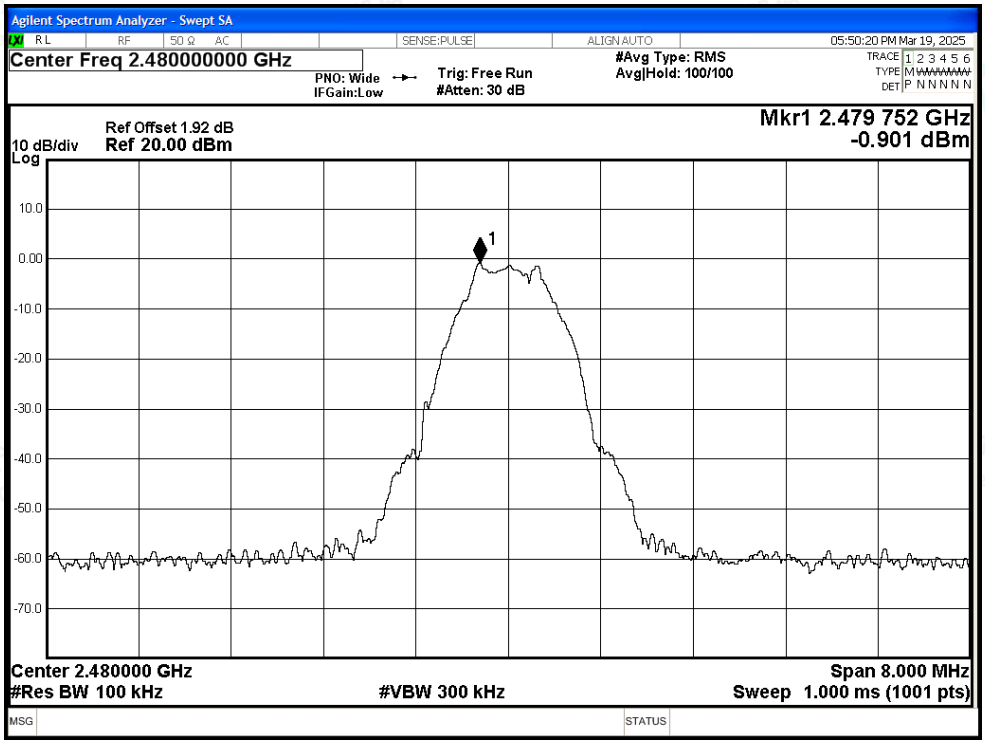
Band Edge NVNT BLE 1M 2402MHz Ant Ref



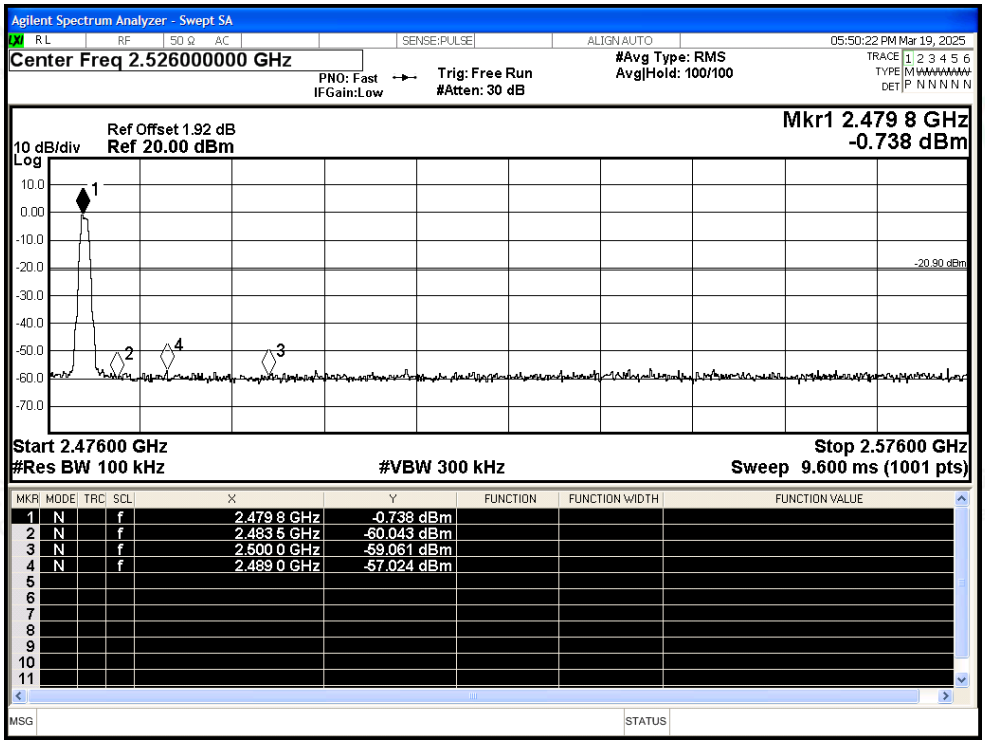
Band Edge NVNT BLE 1M 2402MHz Ant Emission



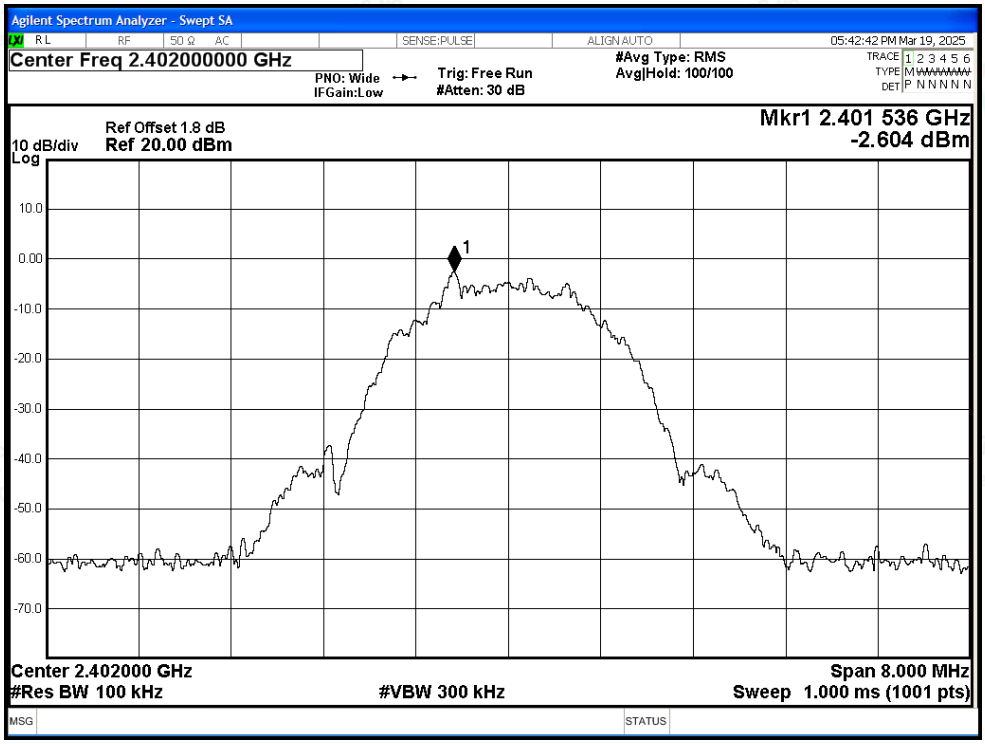
Band Edge NVNT BLE 1M 2480MHz Ant Ref



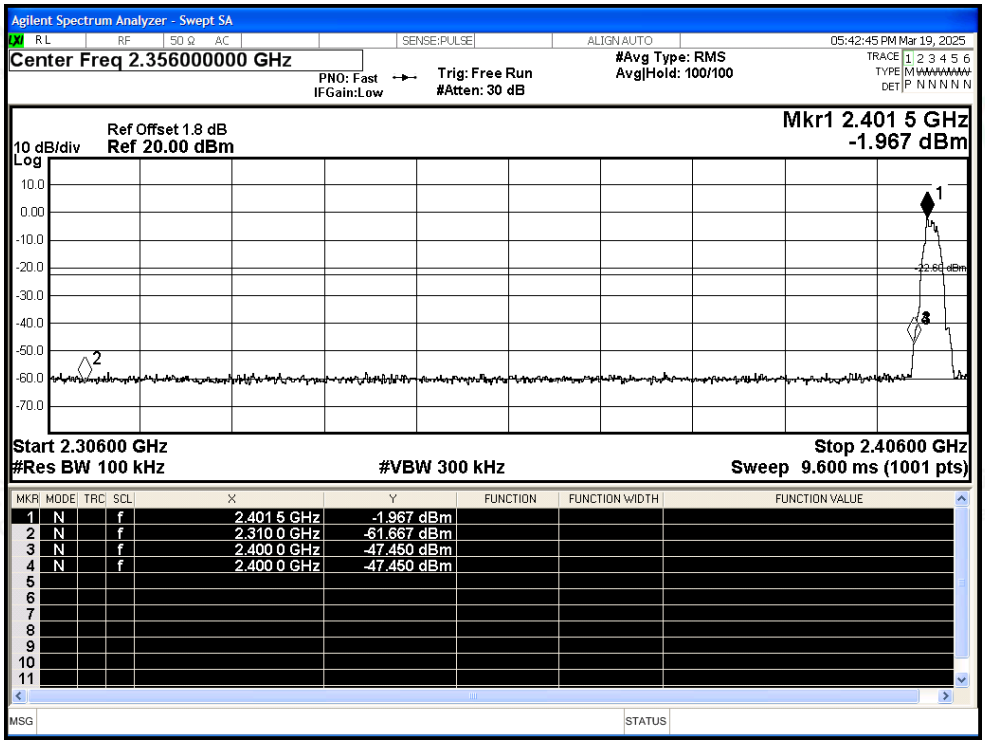
Band Edge NVNT BLE 1M 2480MHz Ant Emission



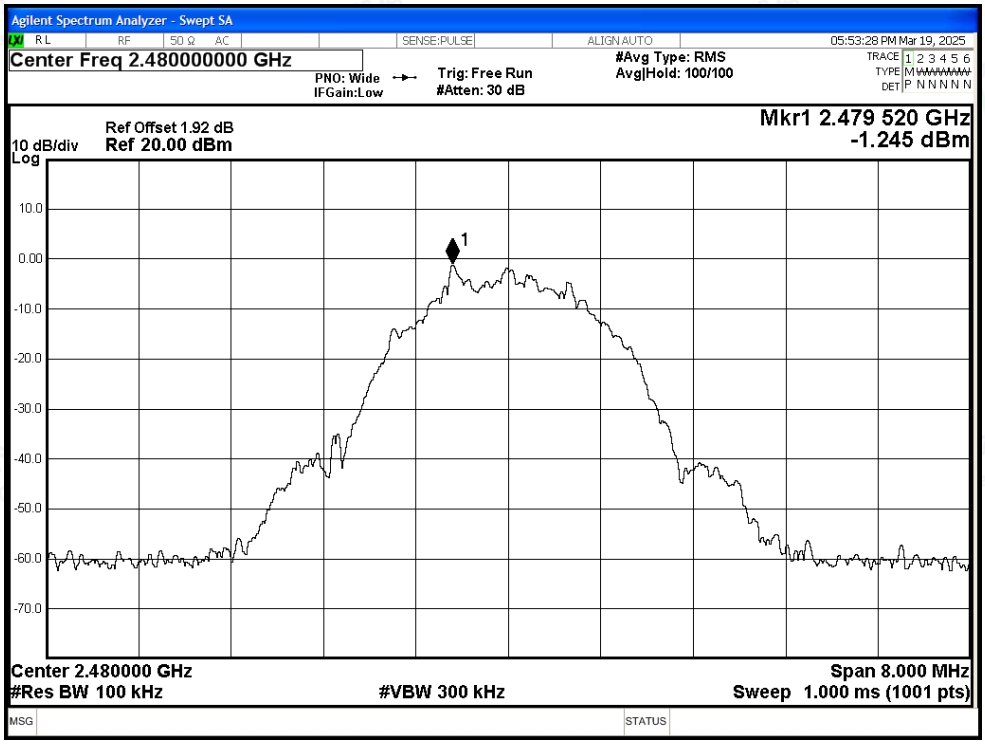
Band Edge NVNT BLE 2M 2402MHz Ant Ref



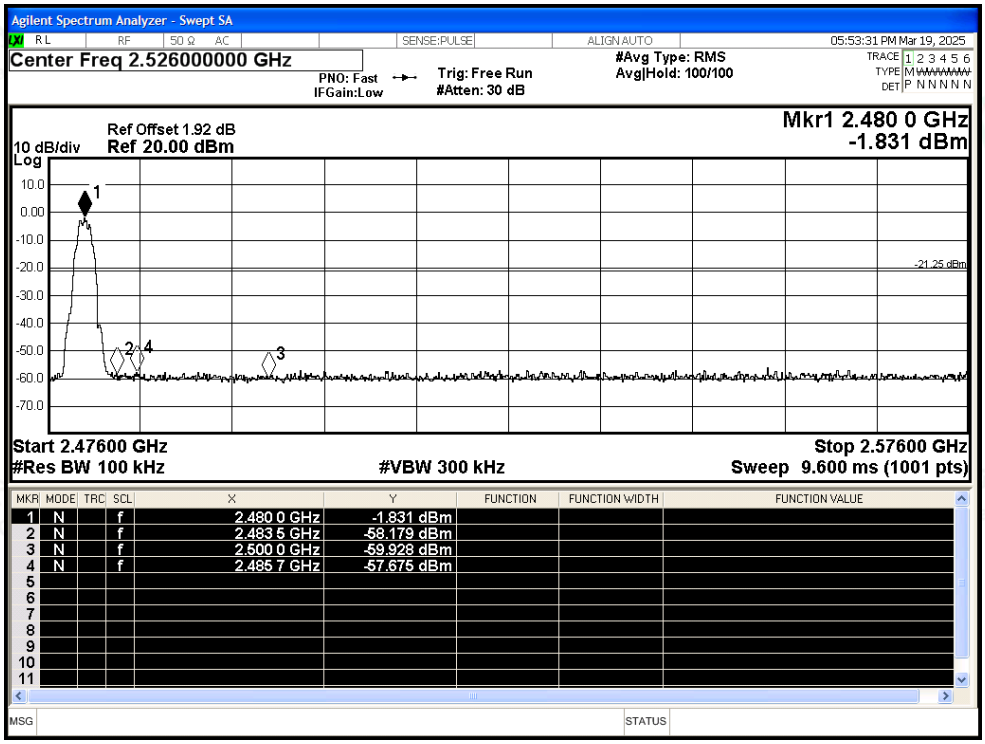
Band Edge NVNT BLE 2M 2402MHz Ant Emission



Band Edge NVNT BLE 2M 2480MHz Ant Ref



Band Edge NVNT BLE 2M 2480MHz Ant Emission

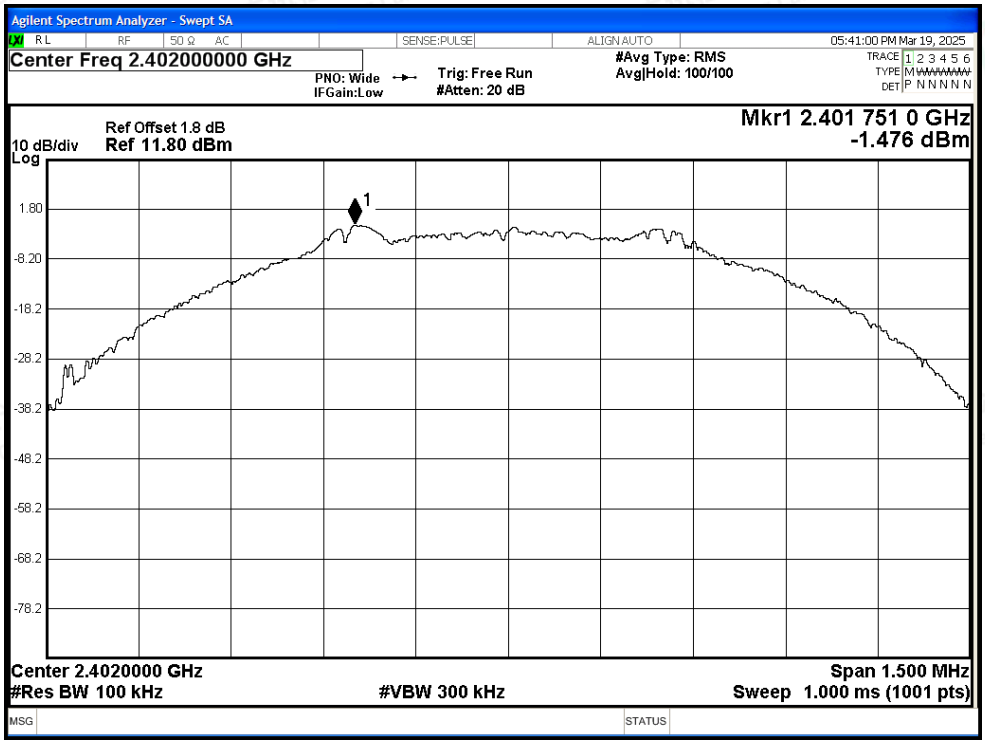


B.5 Conducted RF Spurious Emission

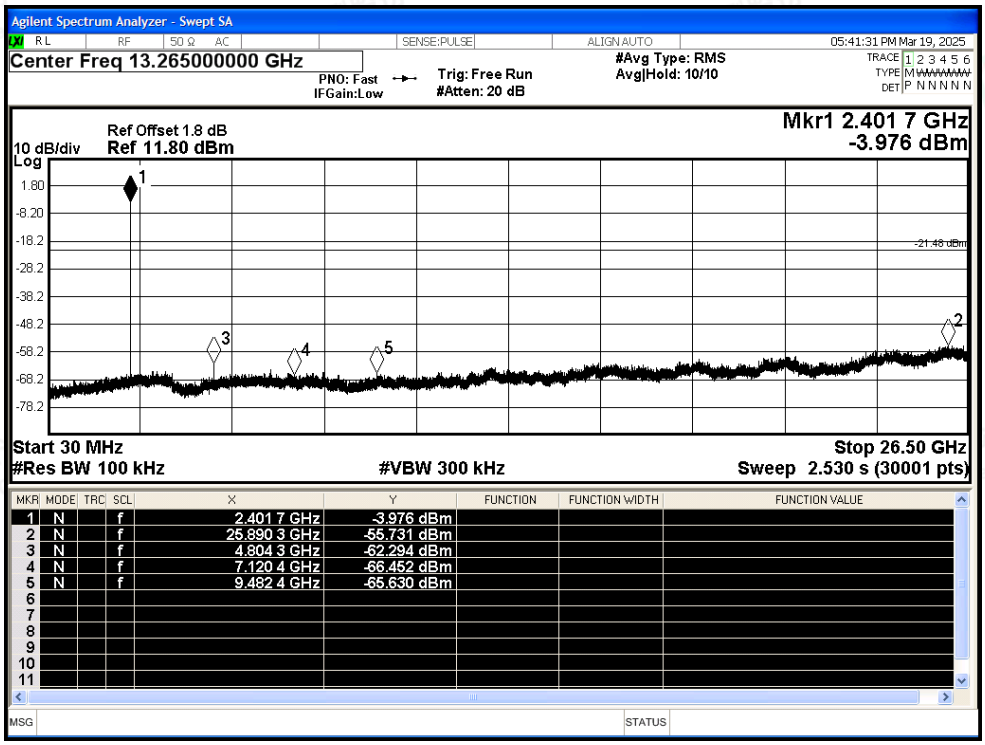
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	BLE 1M	2402	Ant	-54.26	-20	Pass
NVNT	BLE 1M	2440	Ant	-48.71	-20	Pass
NVNT	BLE 1M	2480	Ant	-54.67	-20	Pass
NVNT	BLE 2M	2402	Ant	-53.86	-20	Pass
NVNT	BLE 2M	2440	Ant	-55.69	-20	Pass
NVNT	BLE 2M	2480	Ant	-54.4	-20	Pass

Test Graphs

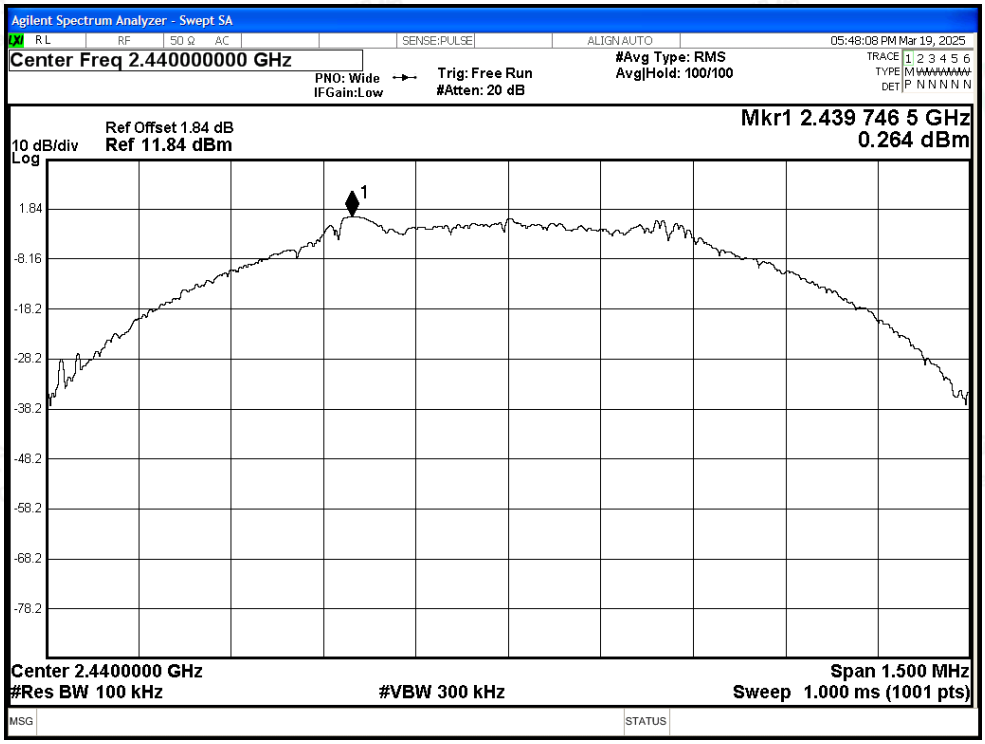
Tx. Spurious NVNT BLE 1M 2402MHz Ant Ref



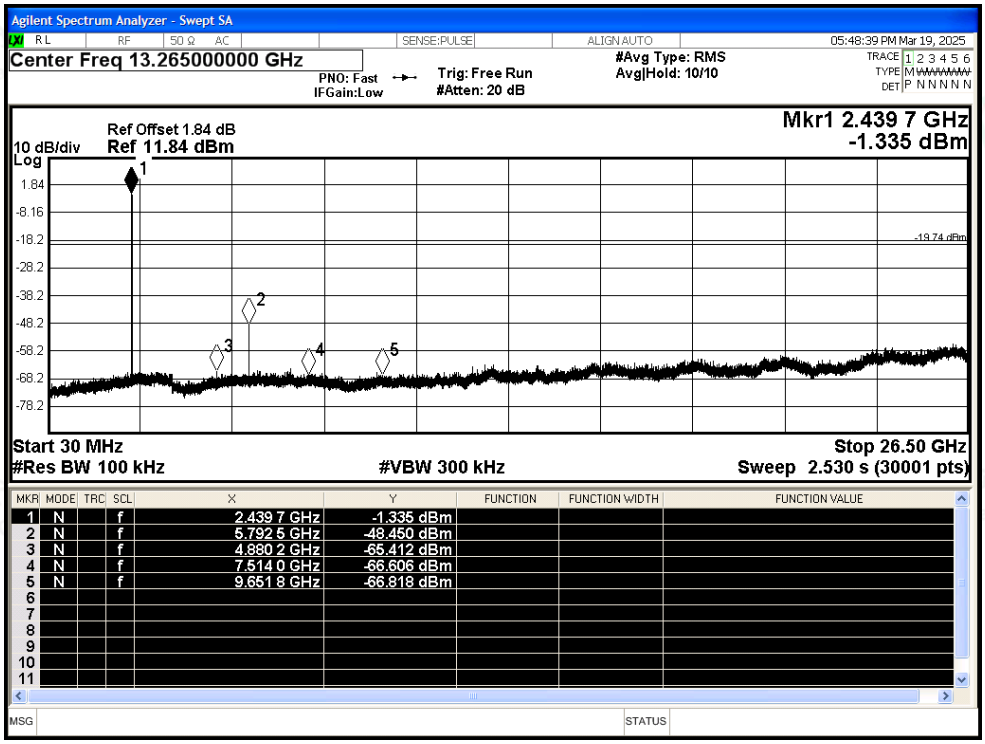
Tx. Spurious NVNT BLE 1M 2402MHz Ant Emission



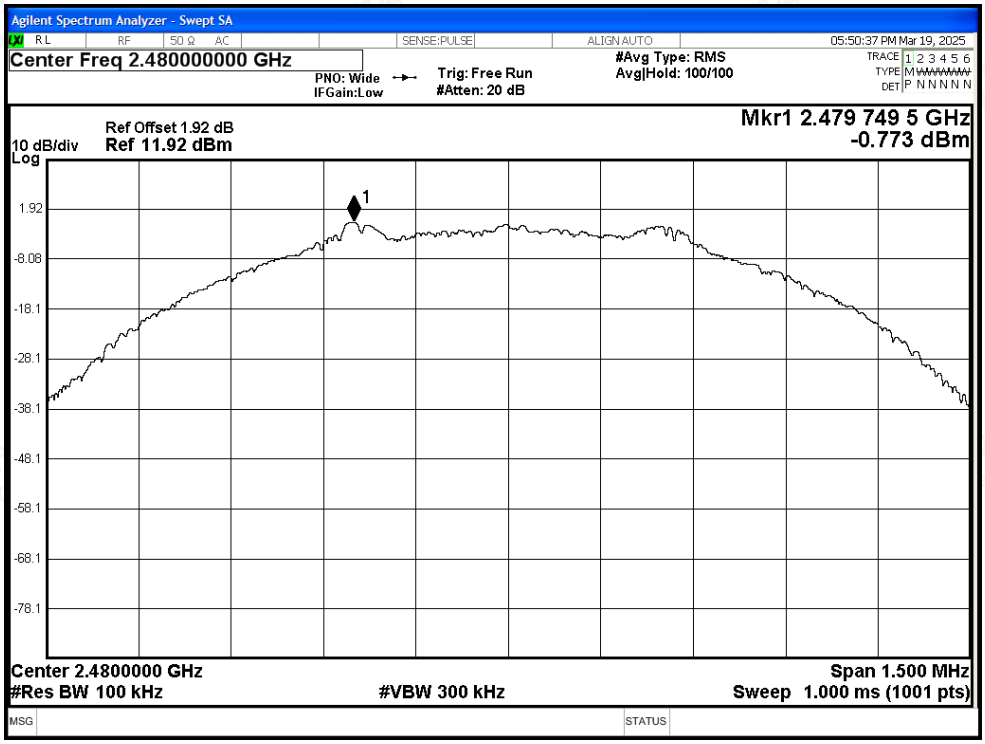
Tx. Spurious NVNT BLE 1M 2440MHz Ant Ref



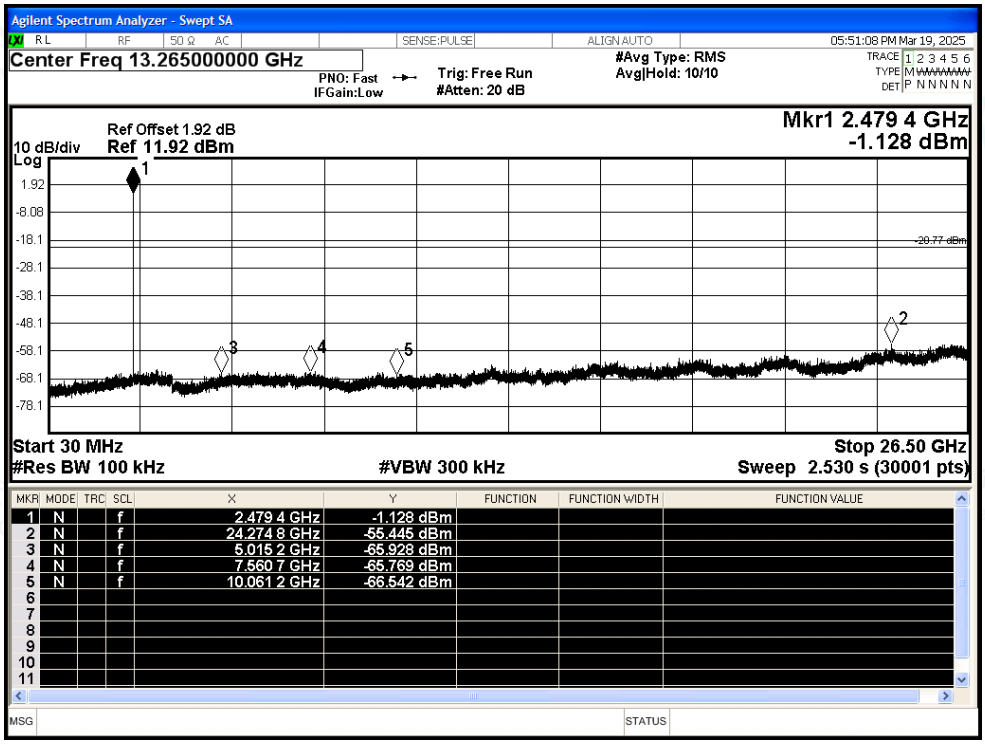
Tx. Spurious NVNT BLE 1M 2440MHz Ant Emission



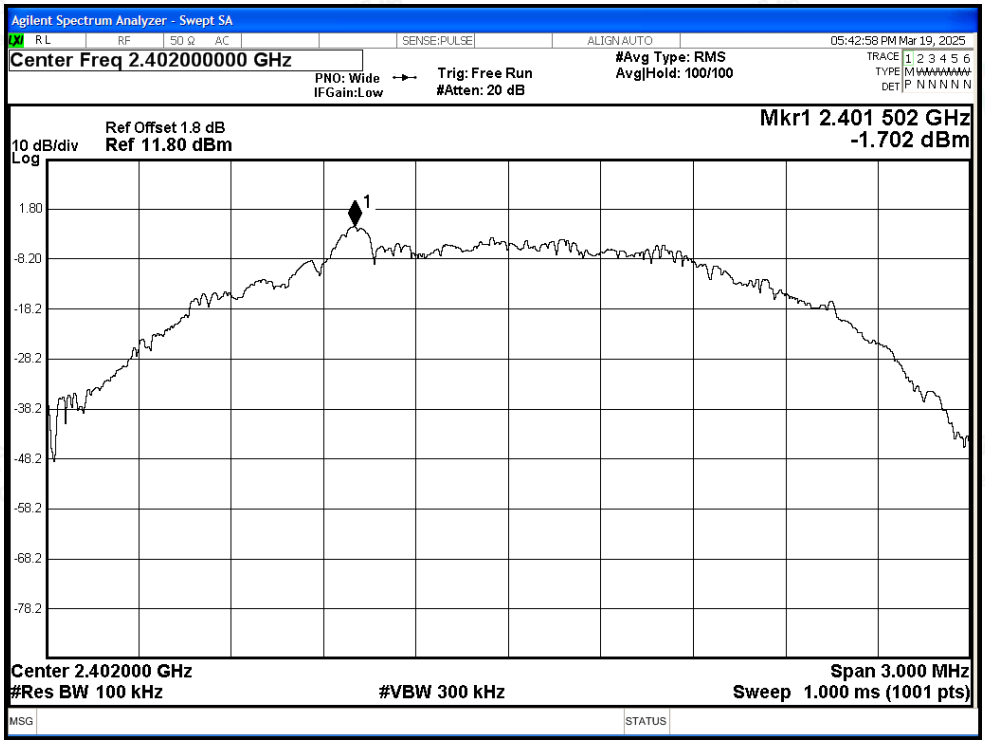
Tx. Spurious NVNT BLE 1M 2480MHz Ant Ref



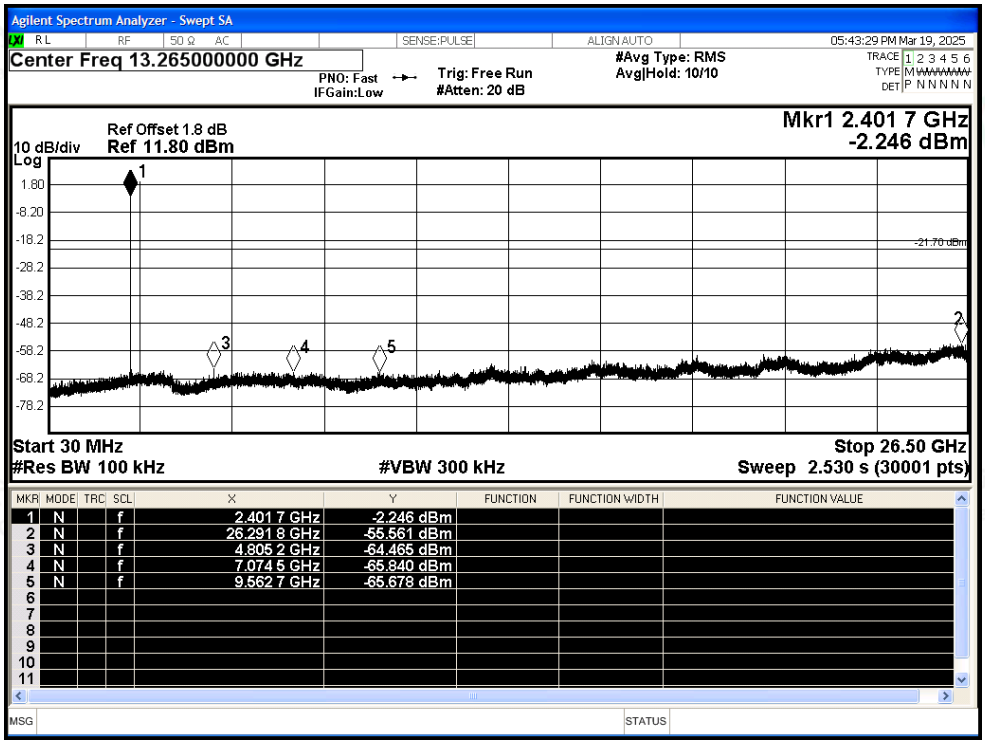
Tx. Spurious NVNT BLE 1M 2480MHz Ant Emission



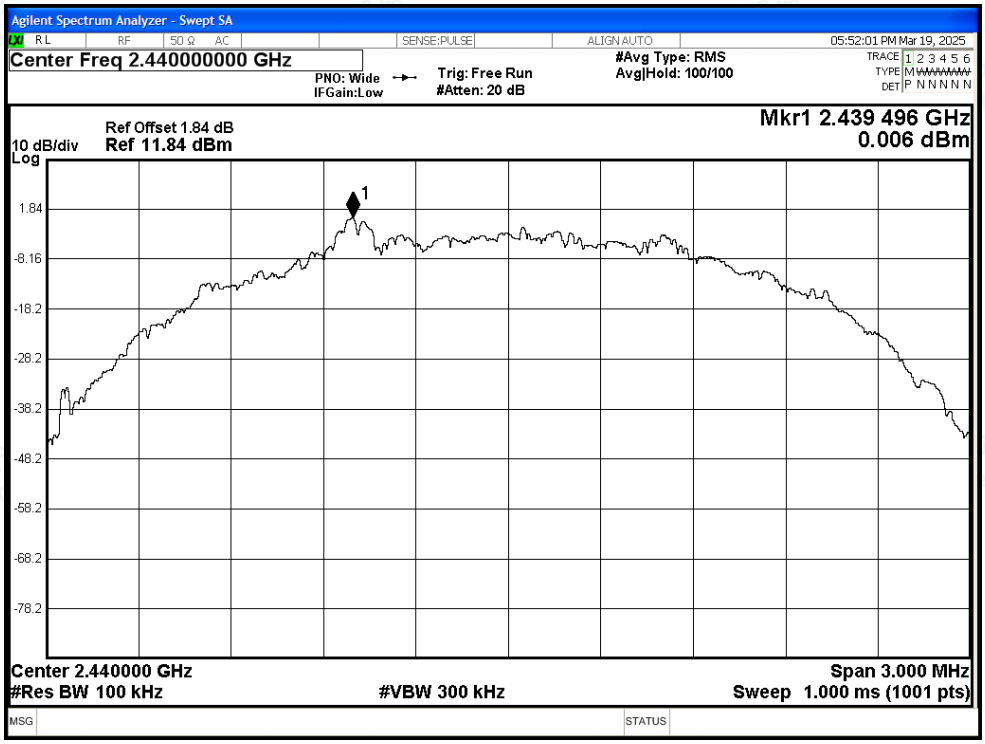
Tx. Spurious NVNT BLE 2M 2402MHz Ant Ref



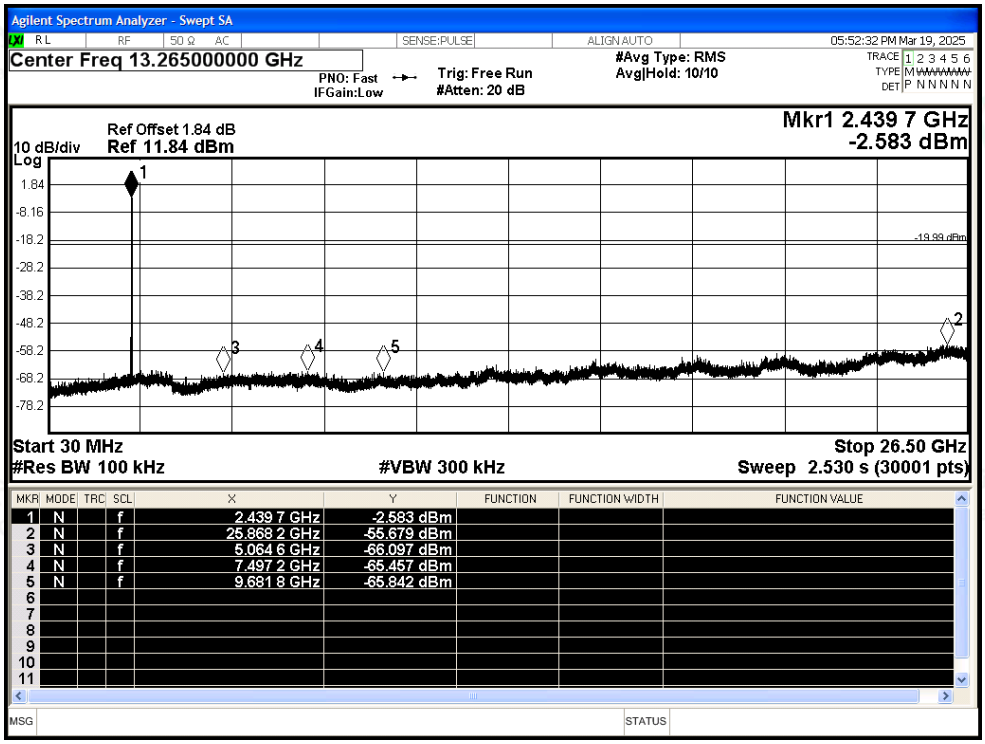
Tx. Spurious NVNT BLE 2M 2402MHz Ant Emission



Tx. Spurious NVNT BLE 2M 2440MHz Ant Ref

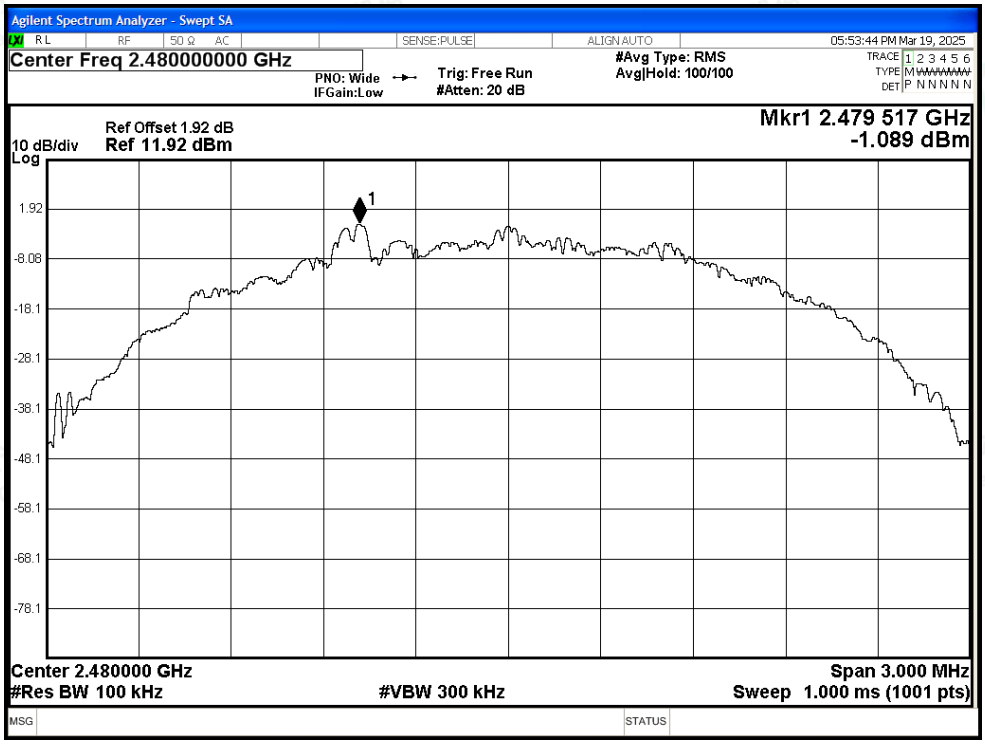


Tx. Spurious NVNT BLE 2M 2440MHz Ant Emission

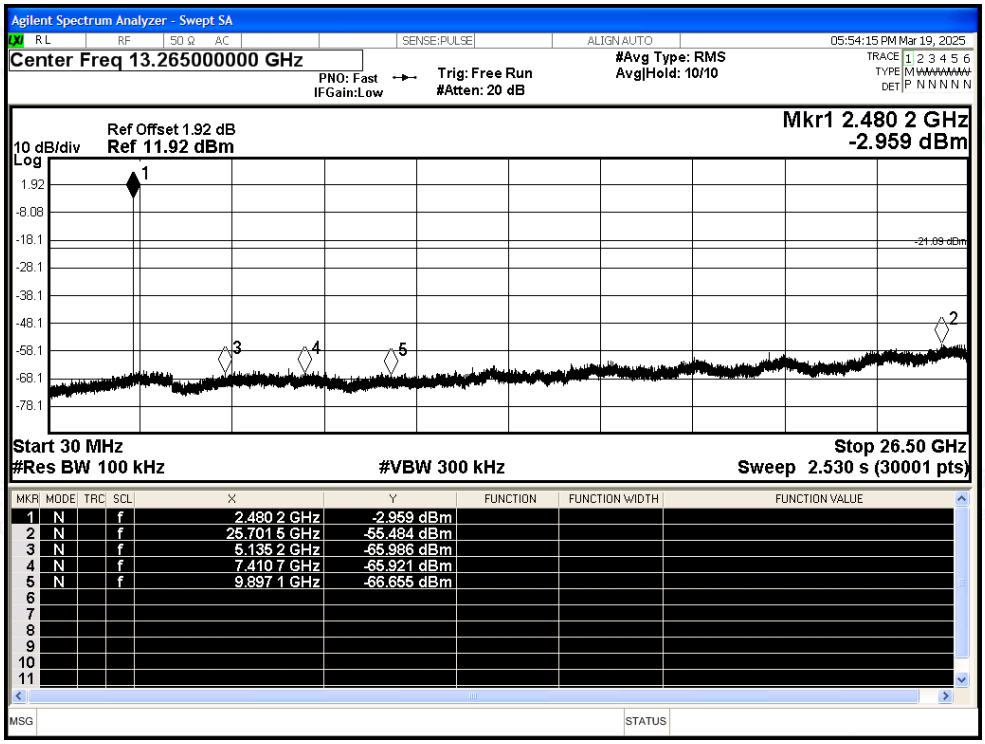


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	2.439 7 GHz	-2.583 dBm			
2	N		f	25.868 2 GHz	-55.679 dBm			
3	N		f	5.064 6 GHz	-66.097 dBm			
4	N		f	7.497 2 GHz	-65.457 dBm			
5	N		f	9.681 8 GHz	-65.842 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT BLE 2M 2480MHz Ant Ref



Tx. Spurious NVNT BLE 2M 2480MHz Ant Emission

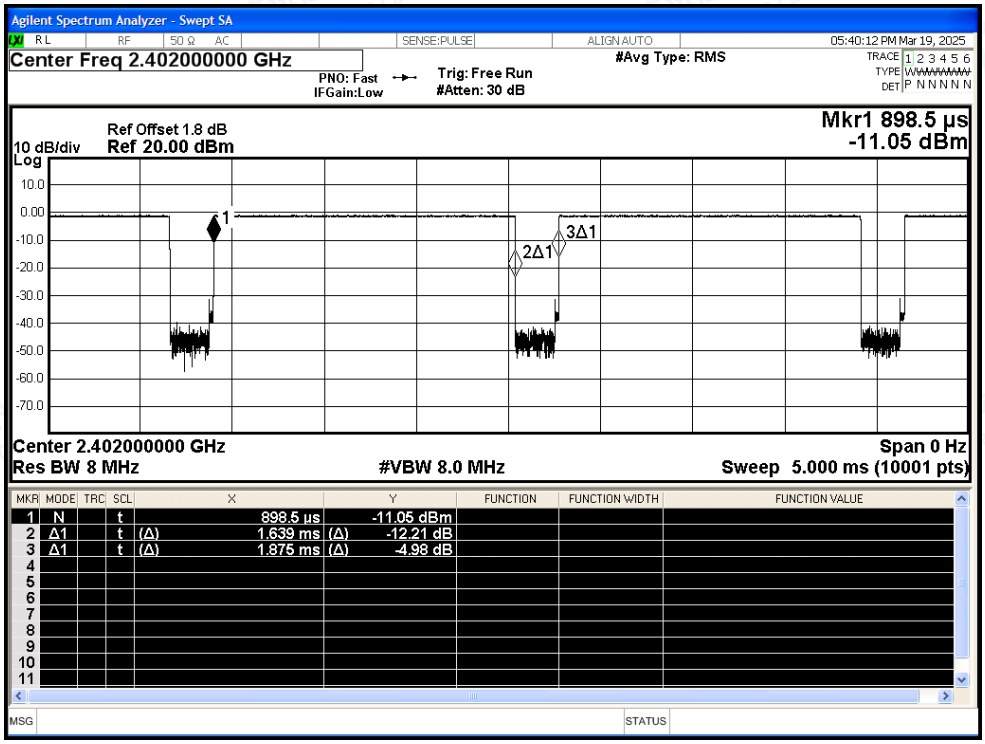


B.6 Duty Cycle

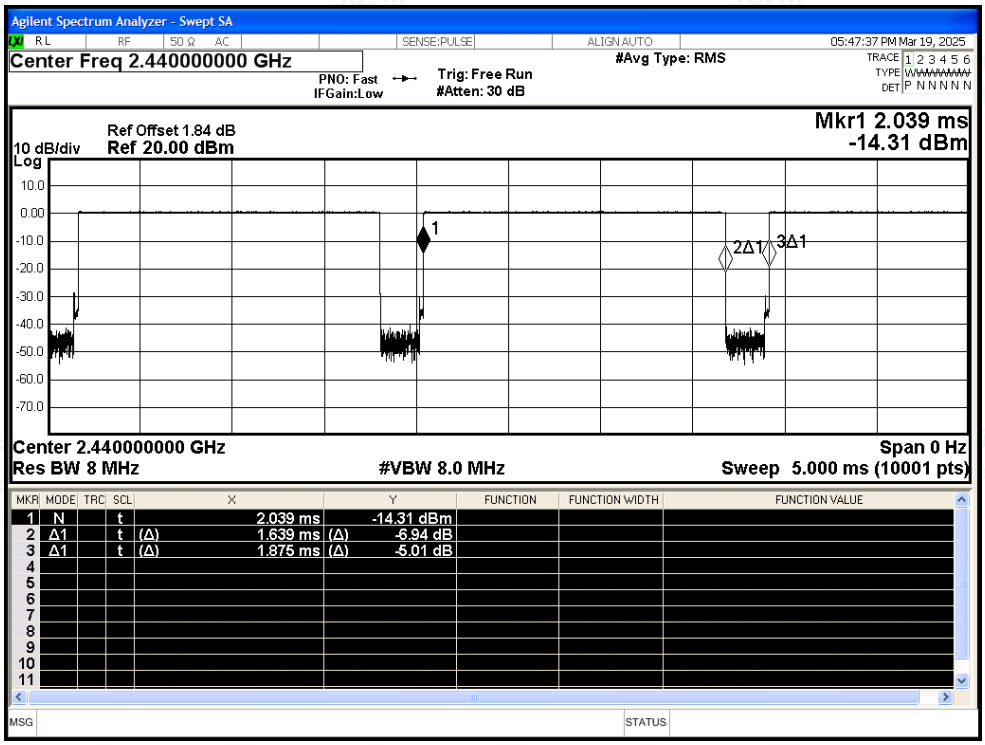
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	BLE 1M	2402	Ant	87.39	0.59	0.61
NVNT	BLE 1M	2440	Ant	87.39	0.59	0.61
NVNT	BLE 1M	2480	Ant	87.39	0.59	0.61
NVNT	BLE 2M	2402	Ant	65.93	1.81	1.21
NVNT	BLE 2M	2440	Ant	65.96	1.81	1.21
NVNT	BLE 2M	2480	Ant	65.96	1.81	1.21

Test Graphs

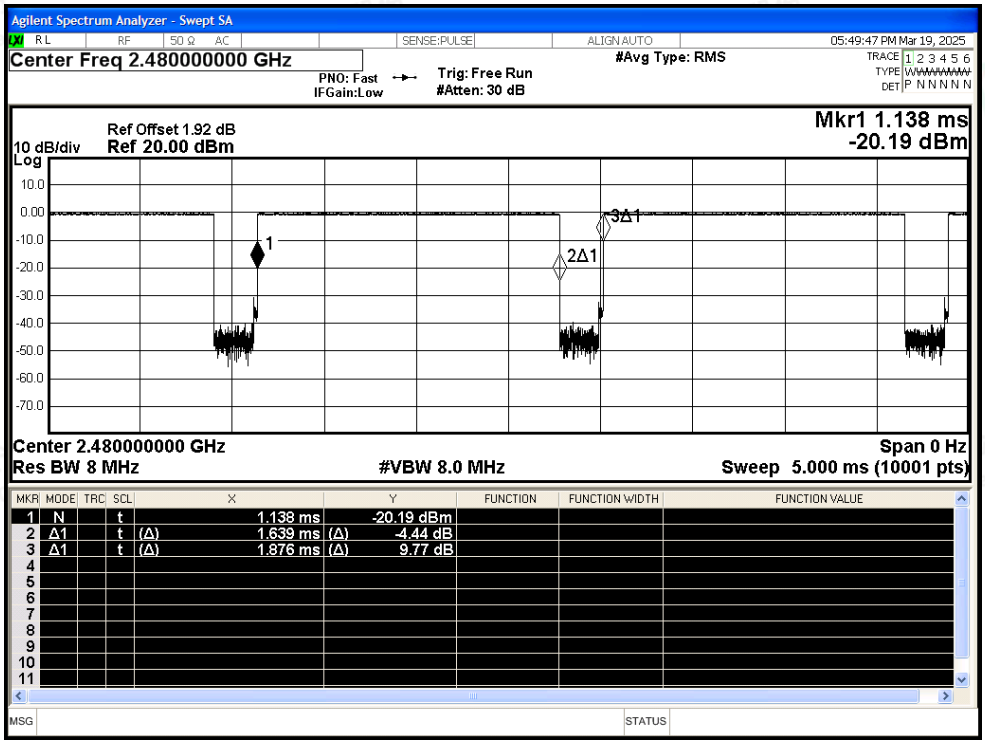
Duty Cycle NVNT BLE 1M 2402MHz Ant



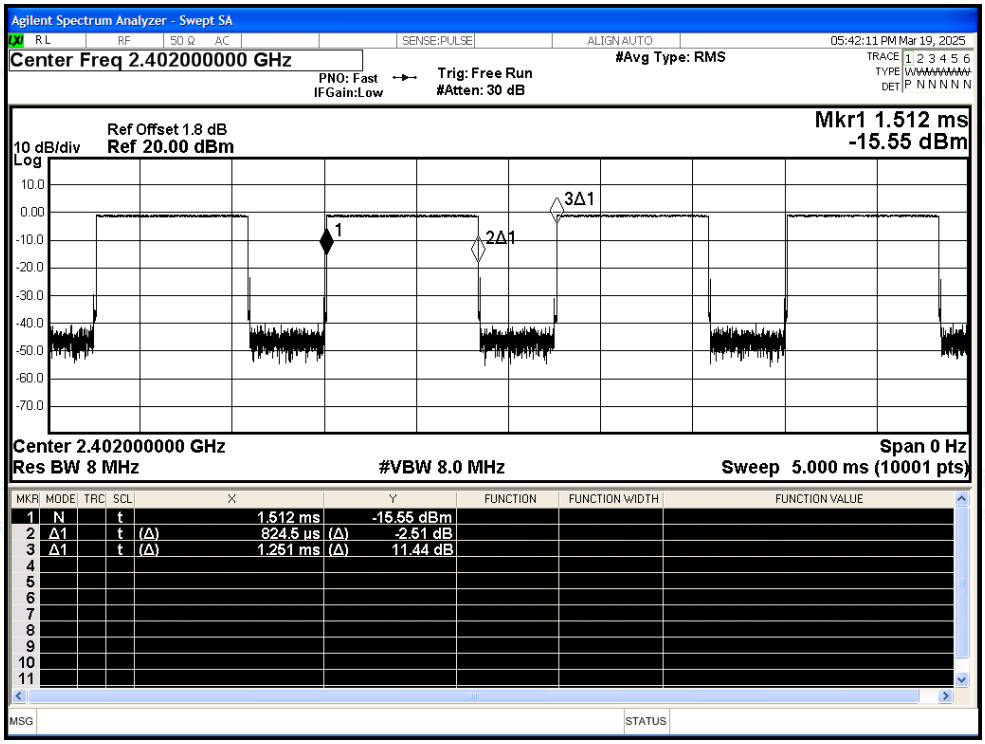
Duty Cycle NVNT BLE 1M 2440MHz Ant



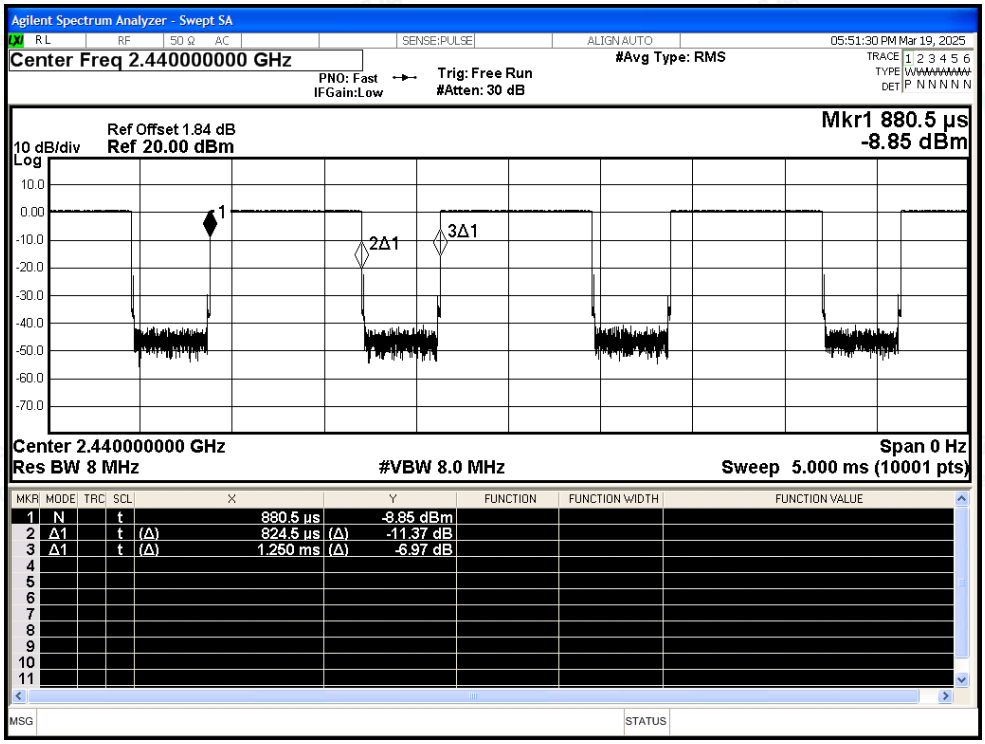
Duty Cycle NVNT BLE 1M 2480MHz Ant



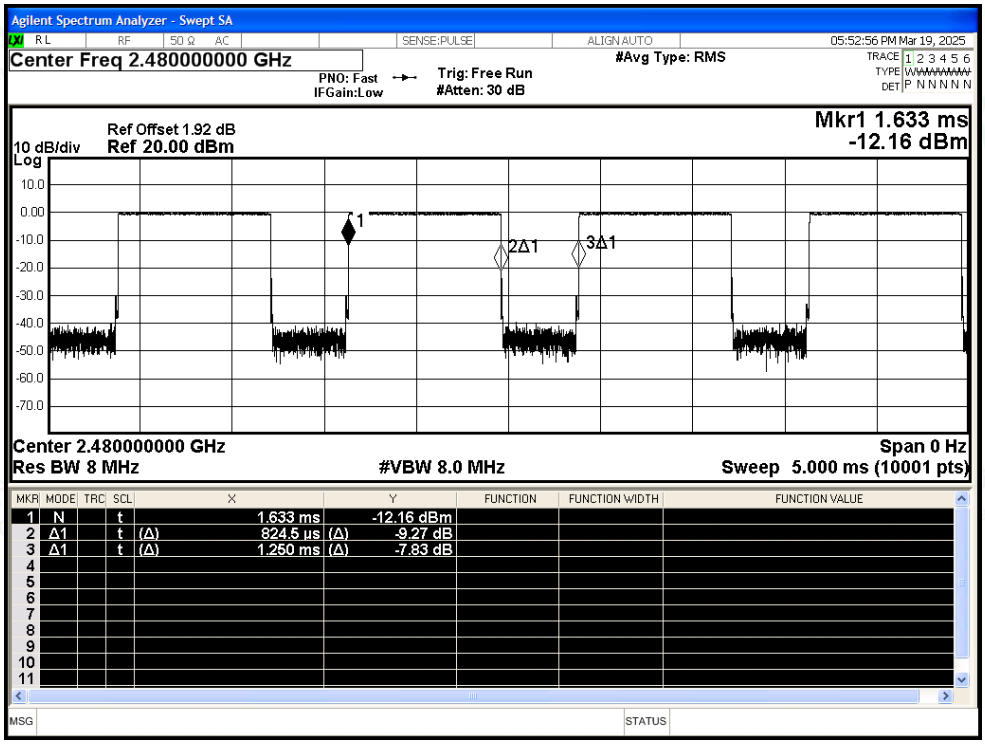
Duty Cycle NVNT BLE 2M 2402MHz Ant



Duty Cycle NVNT BLE 2M 2440MHz Ant



Duty Cycle NVNT BLE 2M 2480MHz Ant

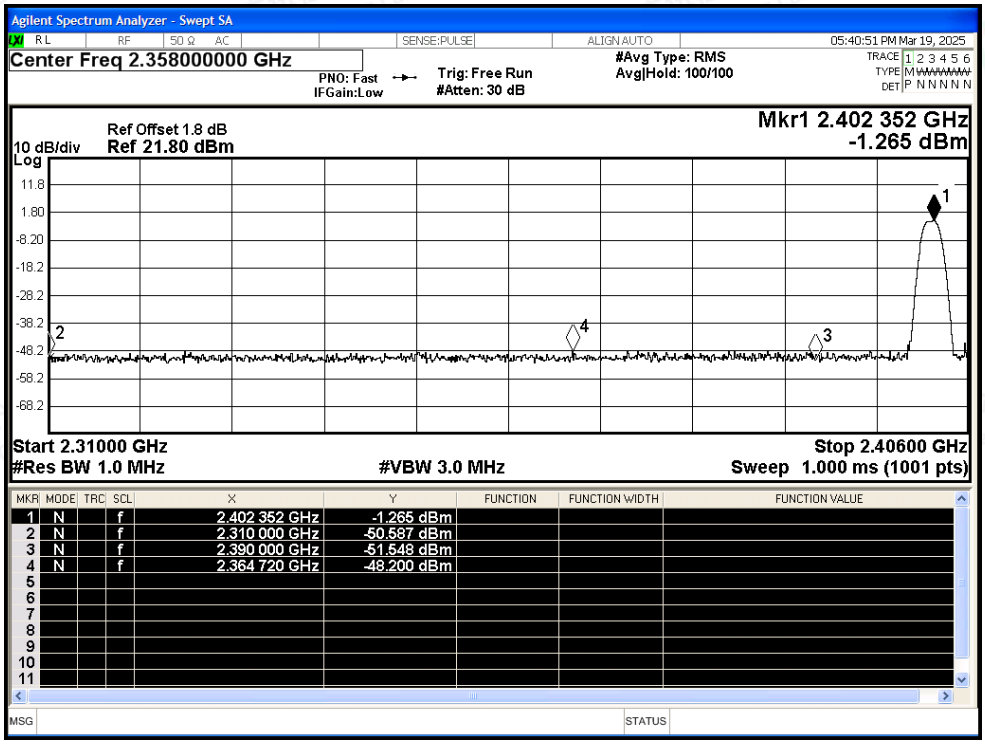


B.7 Restrict Band

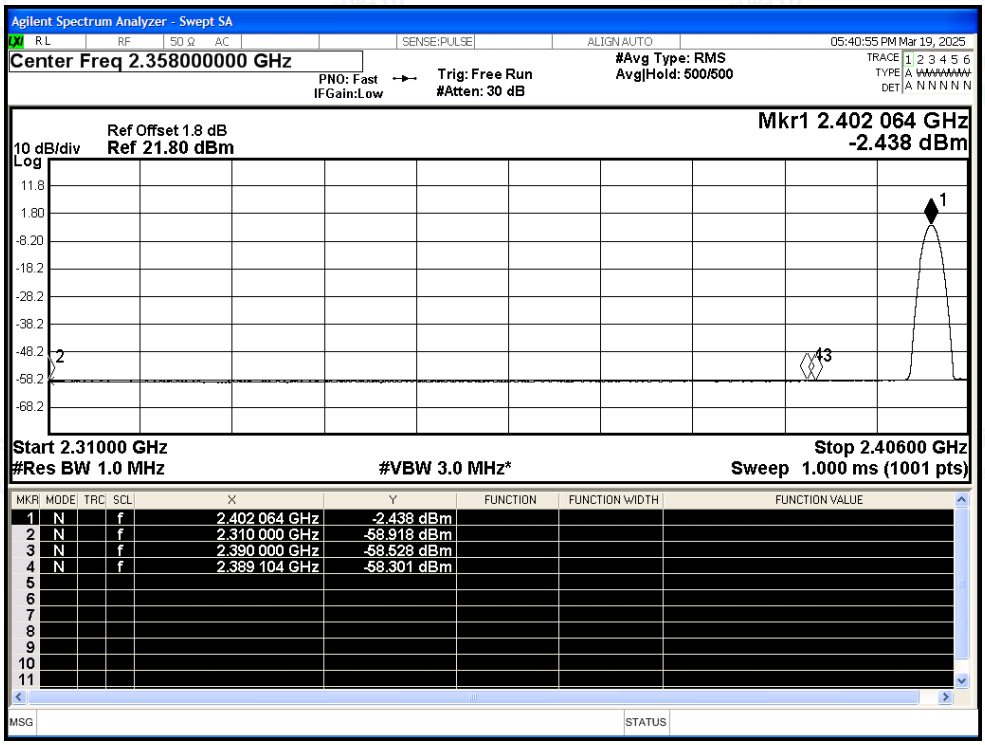
Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	BLE 1M	2402	Ant	2310	-50.59	2	-	46.67	Peak	74	Pass
NVNT	BLE 1M	2402	Ant	2310	-58.92	2	0.59	38.93	Average	54	Pass
NVNT	BLE 1M	2402	Ant	2364.72	-48.2	2	-	49.06	Peak	74	Pass
NVNT	BLE 1M	2402	Ant	2389.104	-58.3	2	0.59	39.55	Average	54	Pass
NVNT	BLE 1M	2402	Ant	2390	-51.55	2	-	45.71	Peak	74	Pass
NVNT	BLE 1M	2402	Ant	2390	-58.53	2	0.59	39.32	Average	54	Pass
NVNT	BLE 1M	2480	Ant	2483.5	-48.62	2	-	48.64	Peak	74	Pass
NVNT	BLE 1M	2480	Ant	2483.5	-58.01	2	0.59	39.84	Average	54	Pass
NVNT	BLE 1M	2480	Ant	2484.472	-45.18	2	-	52.08	Peak	74	Pass
NVNT	BLE 1M	2480	Ant	2483.872	-57.58	2	0.59	40.27	Average	54	Pass
NVNT	BLE 1M	2480	Ant	2500	-49.53	2	-	47.73	Peak	74	Pass
NVNT	BLE 1M	2480	Ant	2500	-58.11	2	0.59	39.74	Average	54	Pass
NVNT	BLE 2M	2402	Ant	2310	-50.44	2	-	46.82	Peak	74	Pass
NVNT	BLE 2M	2402	Ant	2310	-59.32	2	1.81	39.75	Average	54	Pass
NVNT	BLE 2M	2402	Ant	2341.2	-47.18	2	-	50.08	Peak	74	Pass
NVNT	BLE 2M	2402	Ant	2382.864	-57.94	2	1.81	41.13	Average	54	Pass
NVNT	BLE 2M	2402	Ant	2390	-51.33	2	-	45.93	Peak	74	Pass
NVNT	BLE 2M	2402	Ant	2390	-58.73	2	1.81	40.34	Average	54	Pass
NVNT	BLE 2M	2480	Ant	2483.5	-50.25	2	-	47.01	Peak	74	Pass
NVNT	BLE 2M	2480	Ant	2483.5	-57.48	2	1.81	41.59	Average	54	Pass
NVNT	BLE 2M	2480	Ant	2485.24	-46.35	2	-	50.91	Peak	74	Pass
NVNT	BLE 2M	2480	Ant	2483.848	-57.33	2	1.81	41.74	Average	54	Pass
NVNT	BLE 2M	2480	Ant	2500	-50.57	2	-	46.69	Peak	74	Pass
NVNT	BLE 2M	2480	Ant	2500	-57.94	2	1.81	41.13	Average	54	Pass

Test Graphs

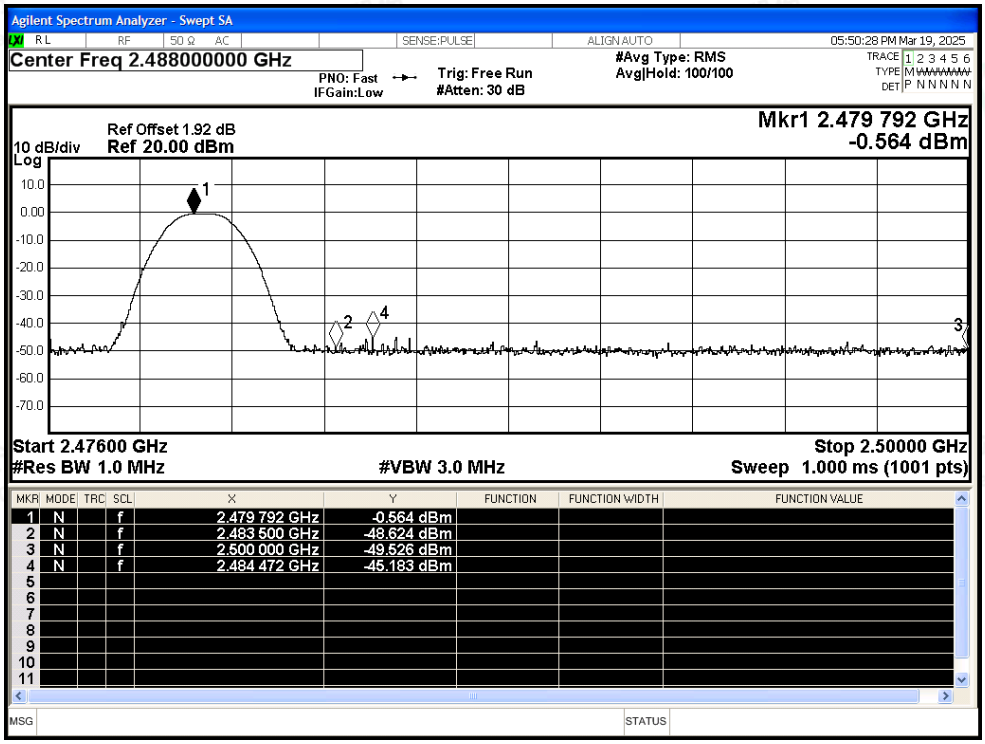
Restrict Band NVNT BLE 1M 2402MHz Ant Peak



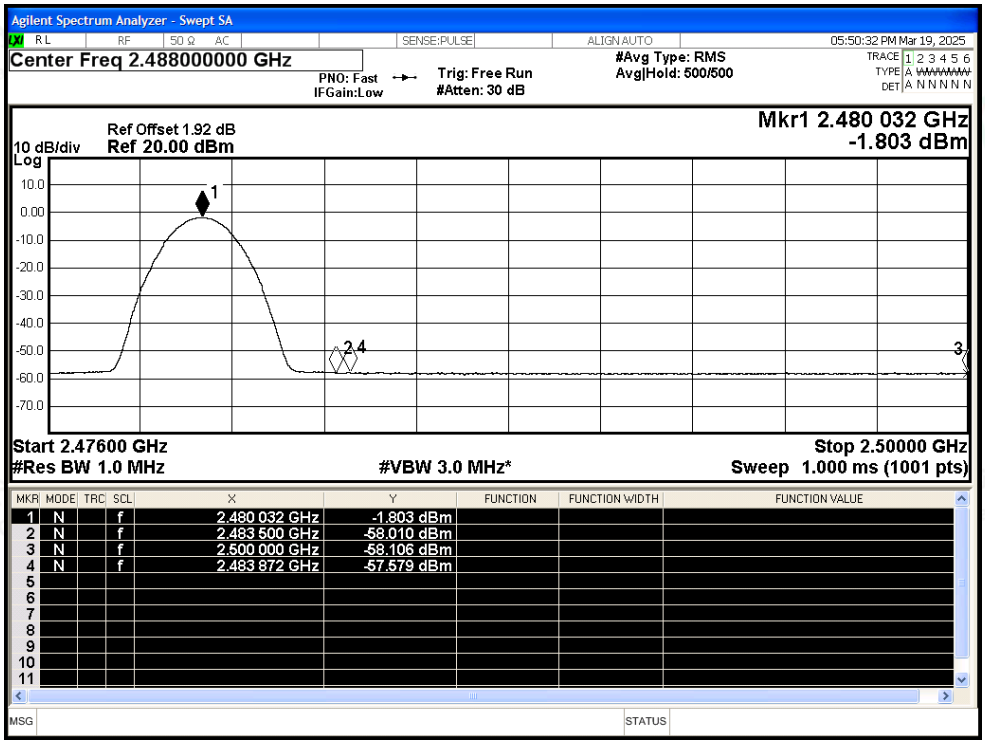
Restrict Band NVNT BLE 1M 2402MHz Ant Average



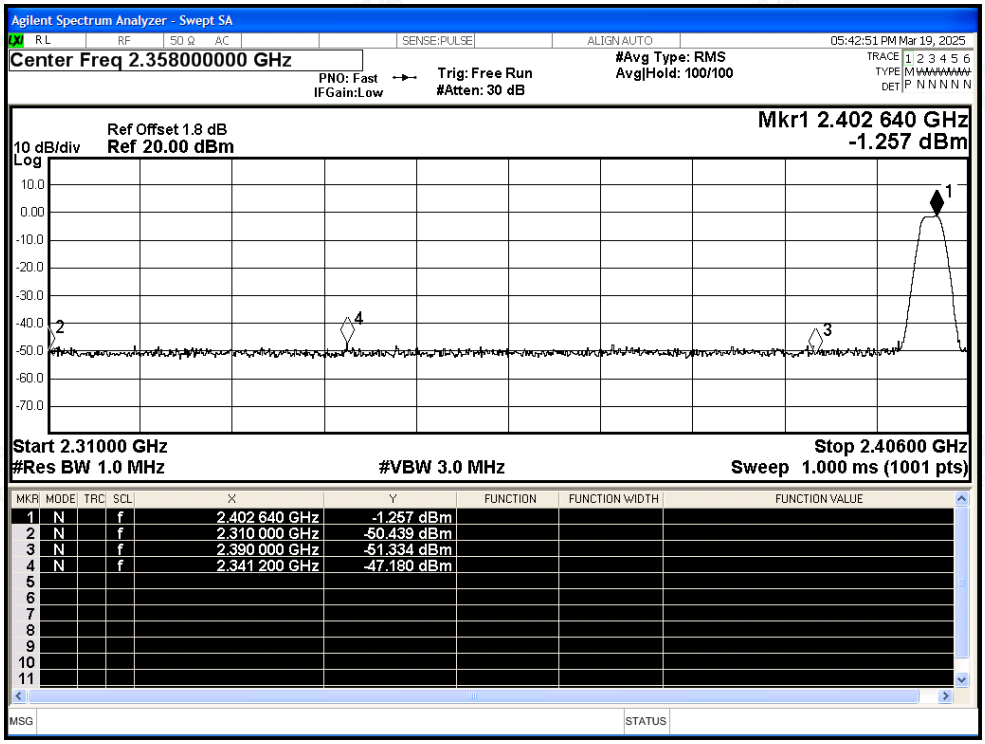
Restrict Band NVNT BLE 1M 2480MHz Ant Peak



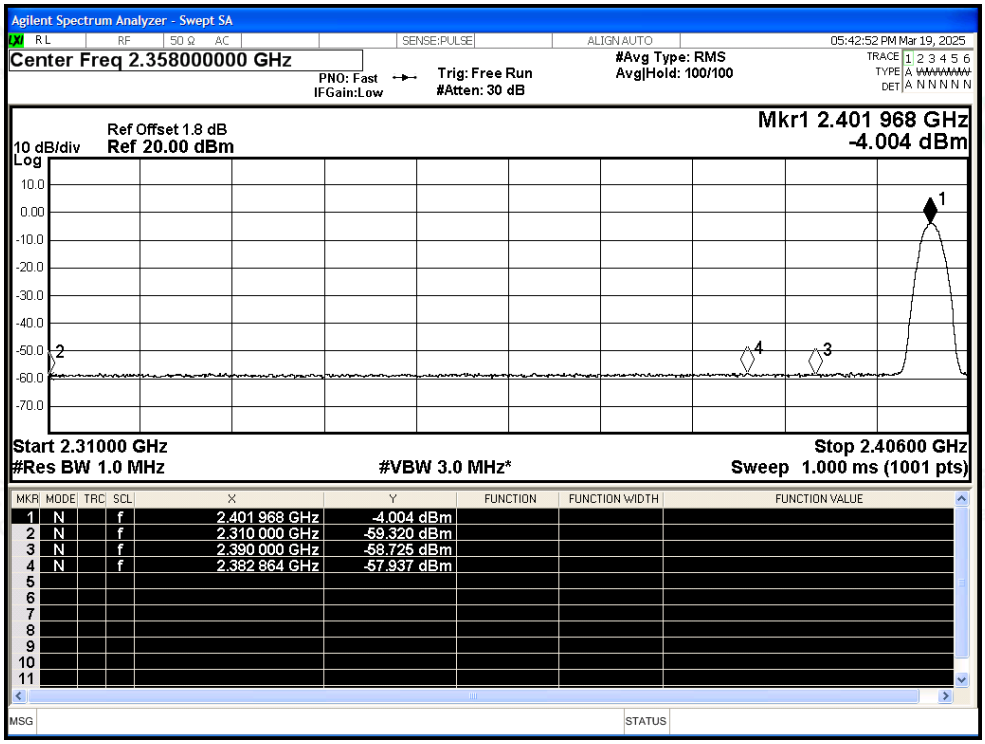
Restrict Band NVNT BLE 1M 2480MHz Ant Average



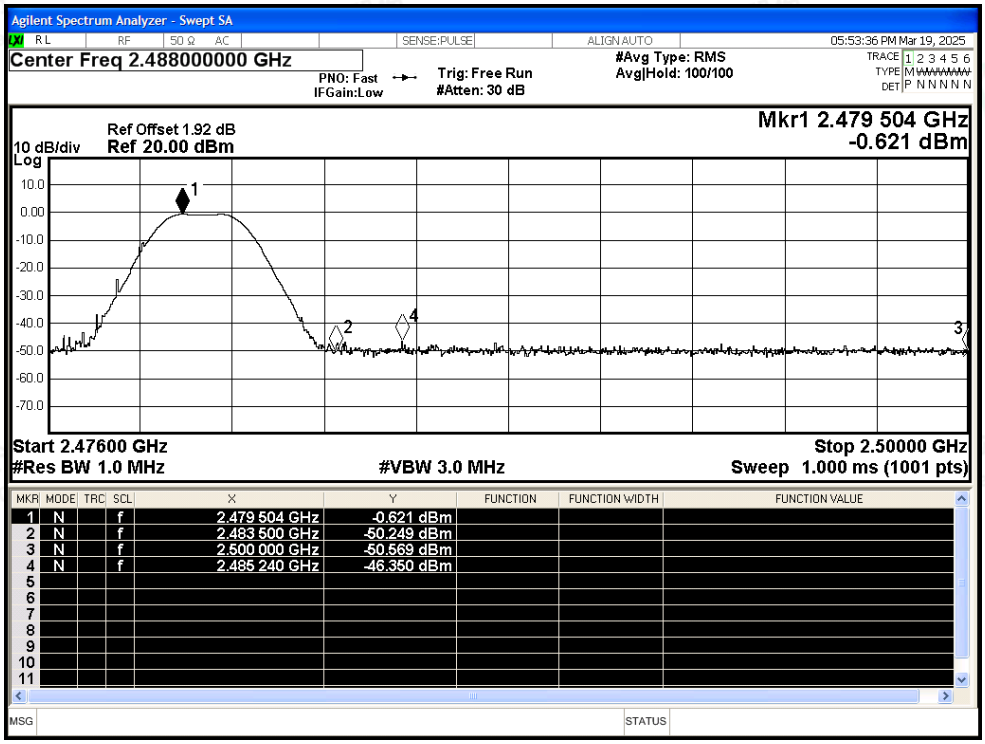
Restrict Band NVNT BLE 2M 2402MHz Ant Peak



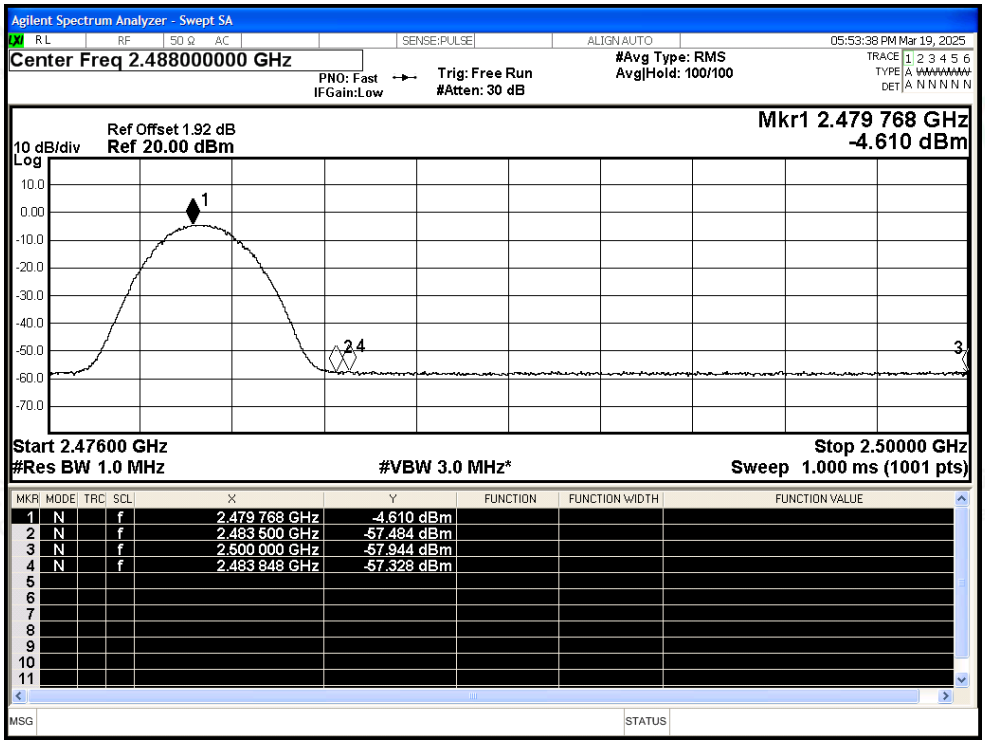
Restrict Band NVNT BLE 2M 2402MHz Ant Average



Restrict Band NVNT BLE 2M 2480MHz Ant Peak



Restrict Band NVNT BLE 2M 2480MHz Ant Average



Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Smart Phone

Test Model: BraX3

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng

Appendix C

RF Test Data for 2.4GWIFI (Conducted Measurement)

Product Name: Smart Phone

Test Model: BraX3

Environmental Conditions

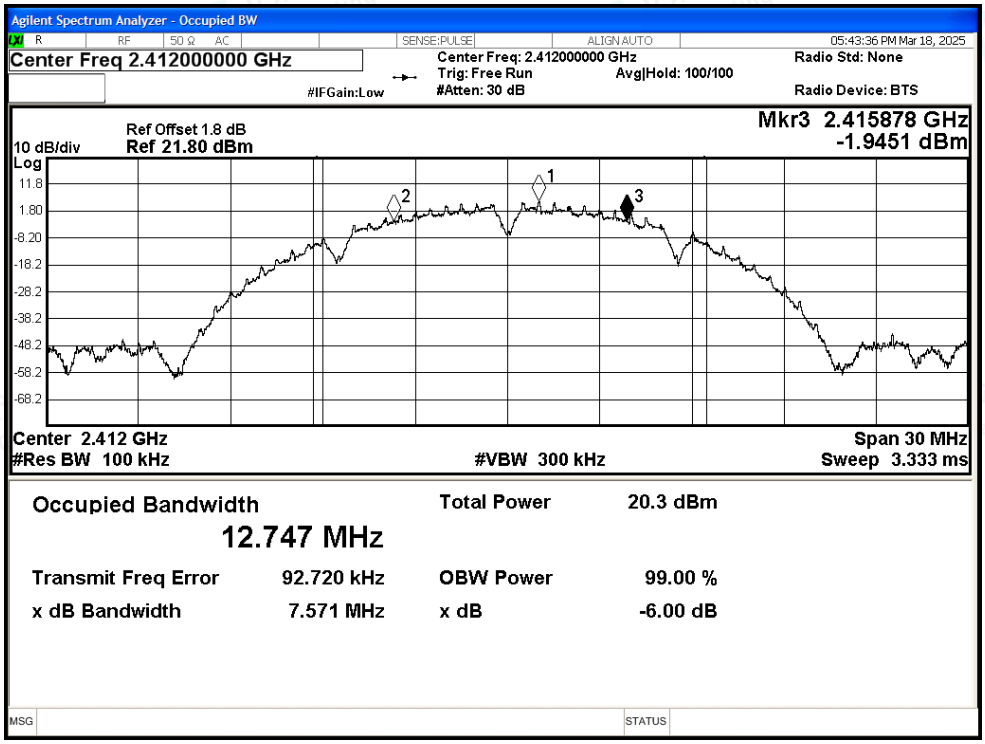
Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng

C.1 -6dB Bandwidth

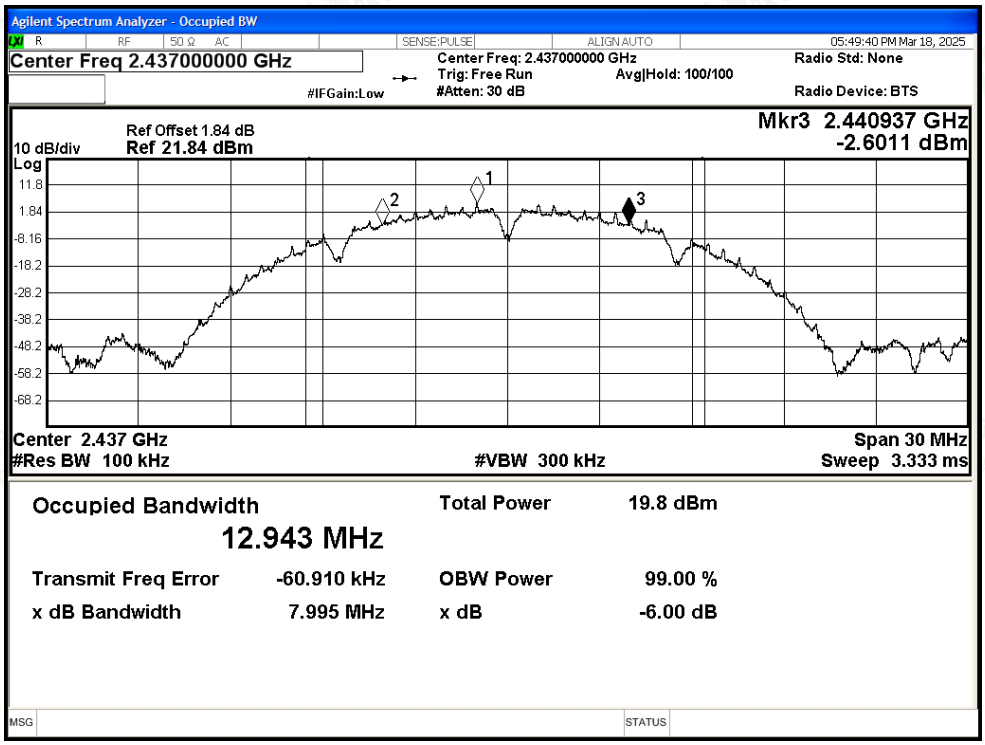
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	b	2412	Ant	7.571	>=0.5	Pass
NVNT	b	2437	Ant	7.995	>=0.5	Pass
NVNT	b	2462	Ant	7.569	>=0.5	Pass
NVNT	g	2412	Ant	16.337	>=0.5	Pass
NVNT	g	2437	Ant	15.483	>=0.5	Pass
NVNT	g	2462	Ant	15.43	>=0.5	Pass
NVNT	n20	2412	Ant	13.836	>=0.5	Pass
NVNT	n20	2437	Ant	14.452	>=0.5	Pass
NVNT	n20	2462	Ant	15.054	>=0.5	Pass
NVNT	n40	2422	Ant	35.054	>=0.5	Pass
NVNT	n40	2437	Ant	35.463	>=0.5	Pass
NVNT	n40	2452	Ant	35.117	>=0.5	Pass

Test Graphs

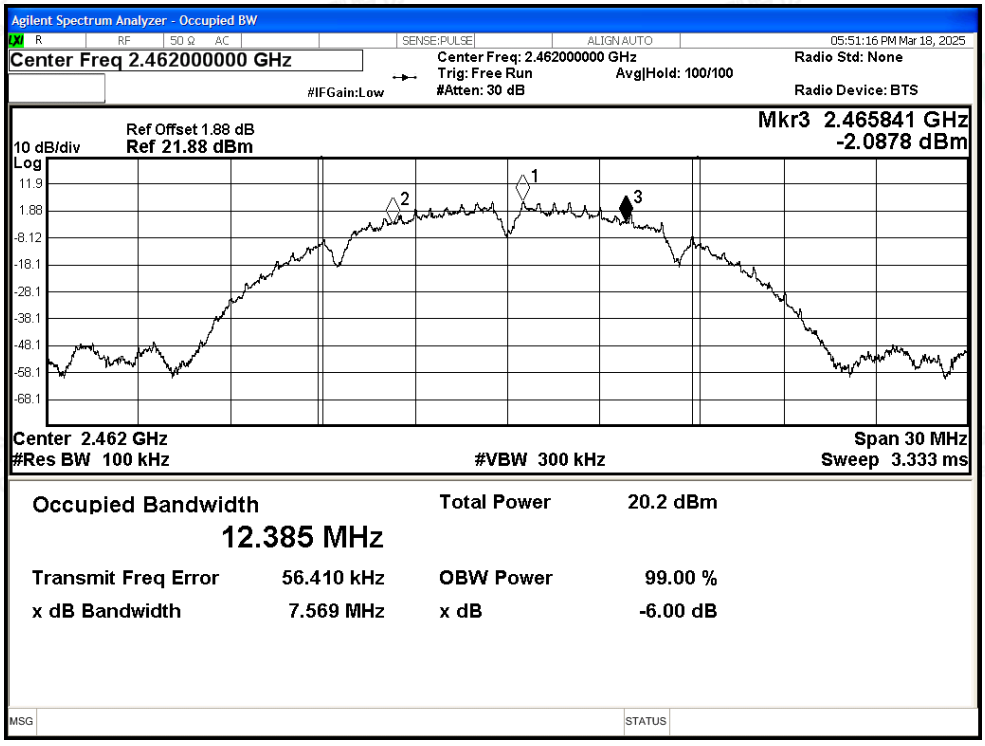
-6dB Bandwidth NVNT b 2412MHz Ant



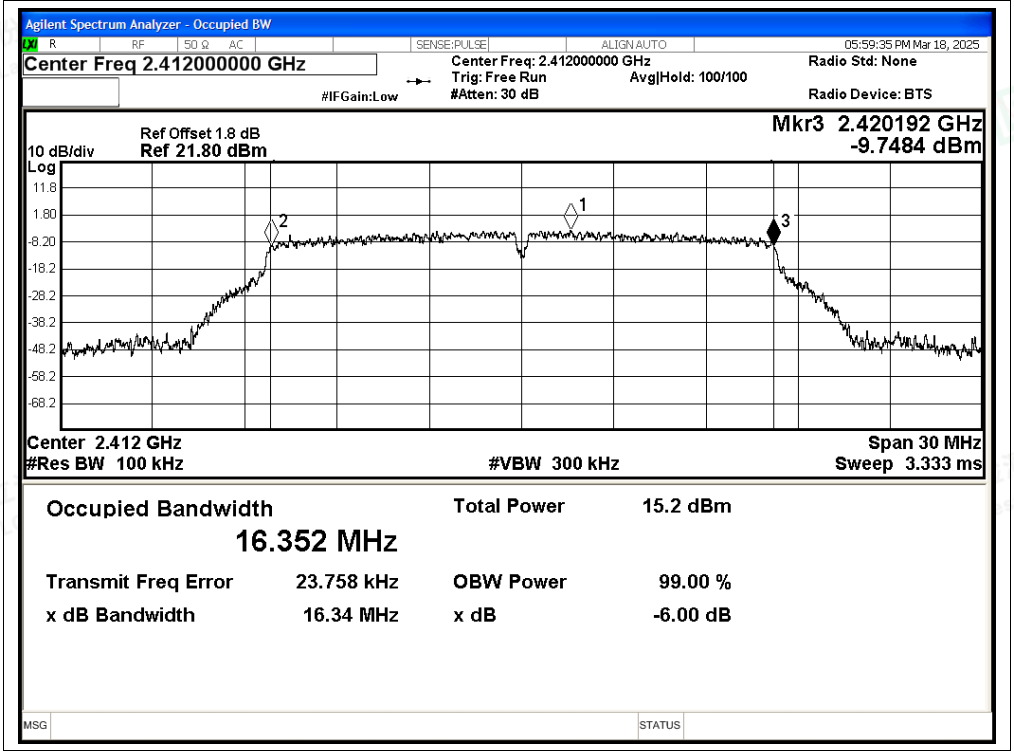
-6dB Bandwidth NVNT b 2437MHz Ant



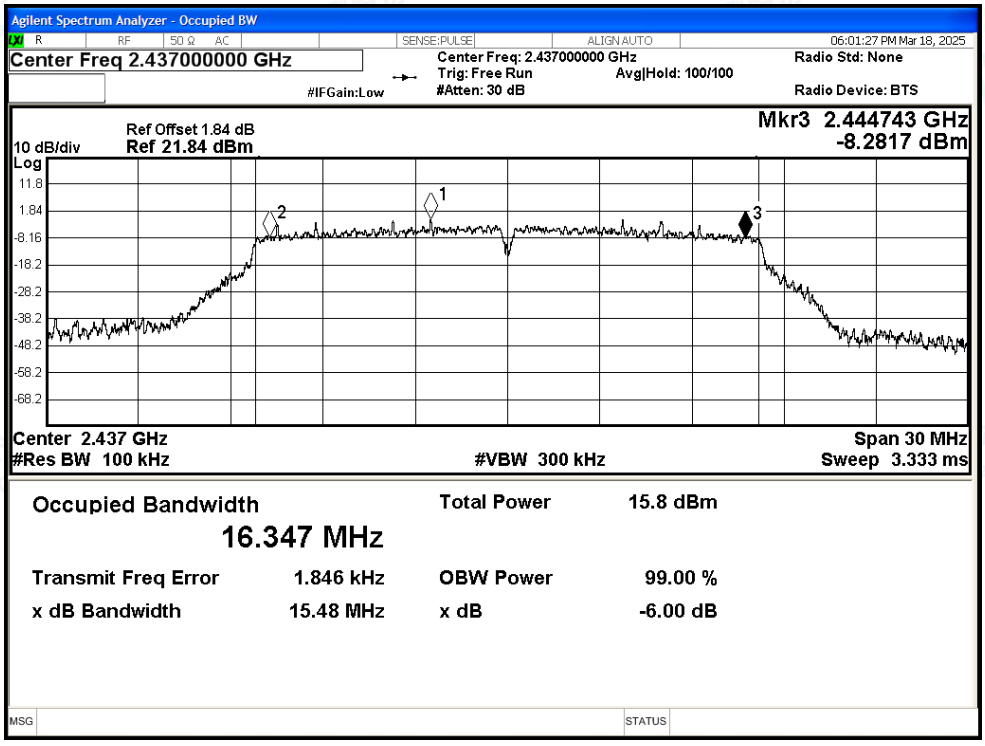
-6dB Bandwidth NVNT b 2462MHz Ant



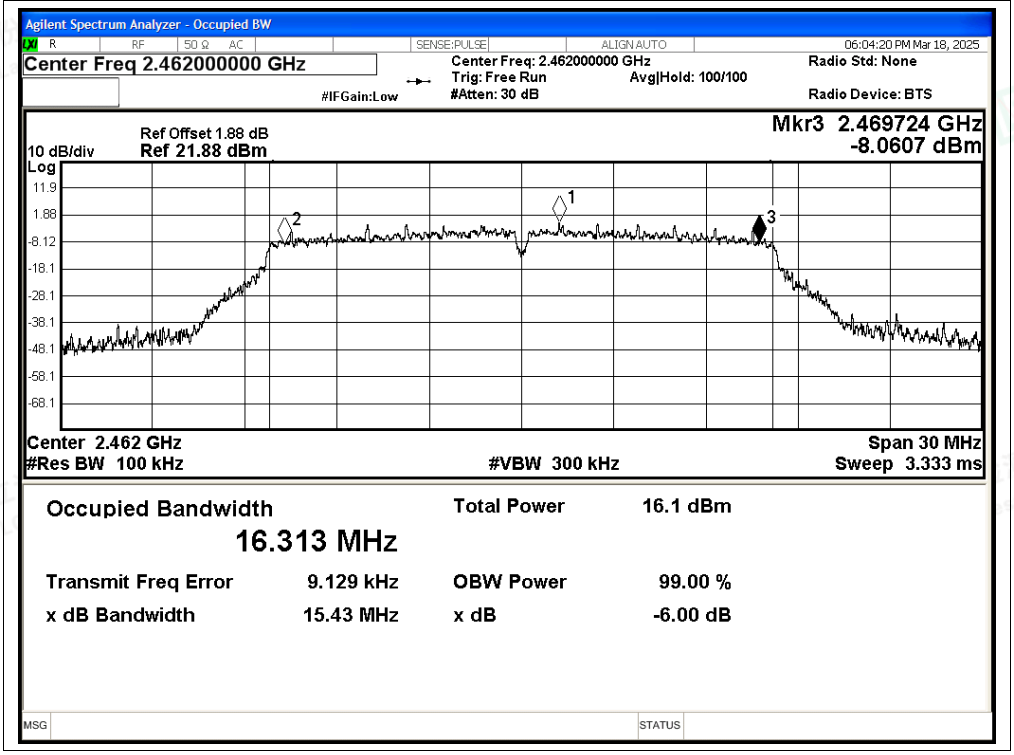
-6dB Bandwidth NVNT g 2412MHz Ant



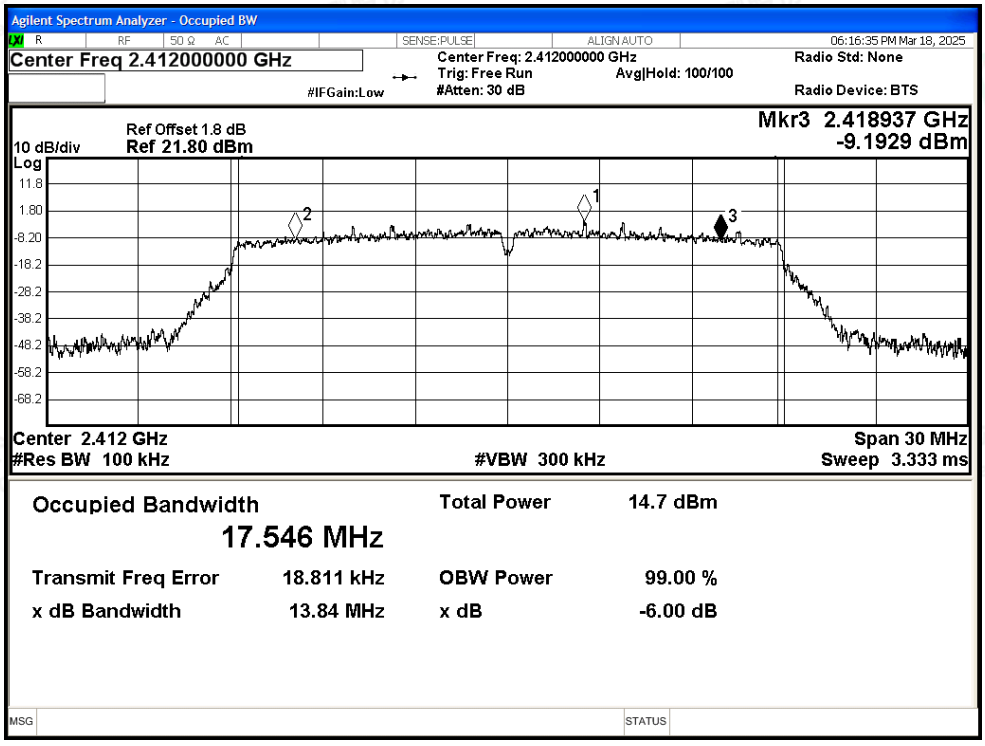
-6dB Bandwidth NVNT g 2437MHz Ant



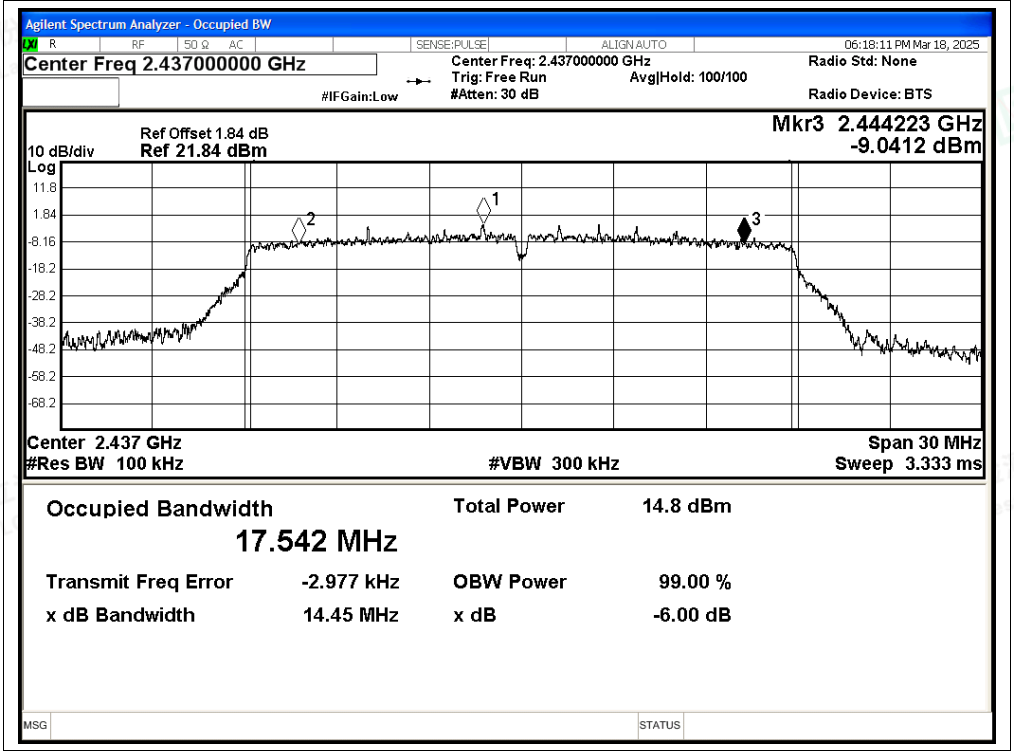
-6dB Bandwidth NVNT g 2462MHz Ant



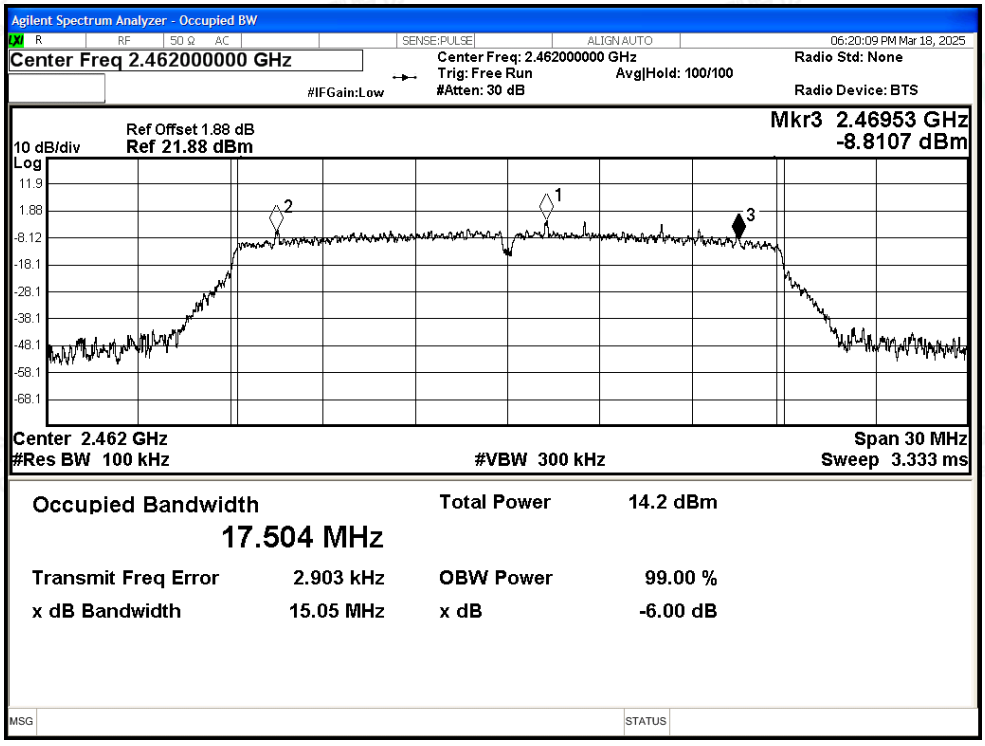
-6dB Bandwidth NVNT n20 2412MHz Ant



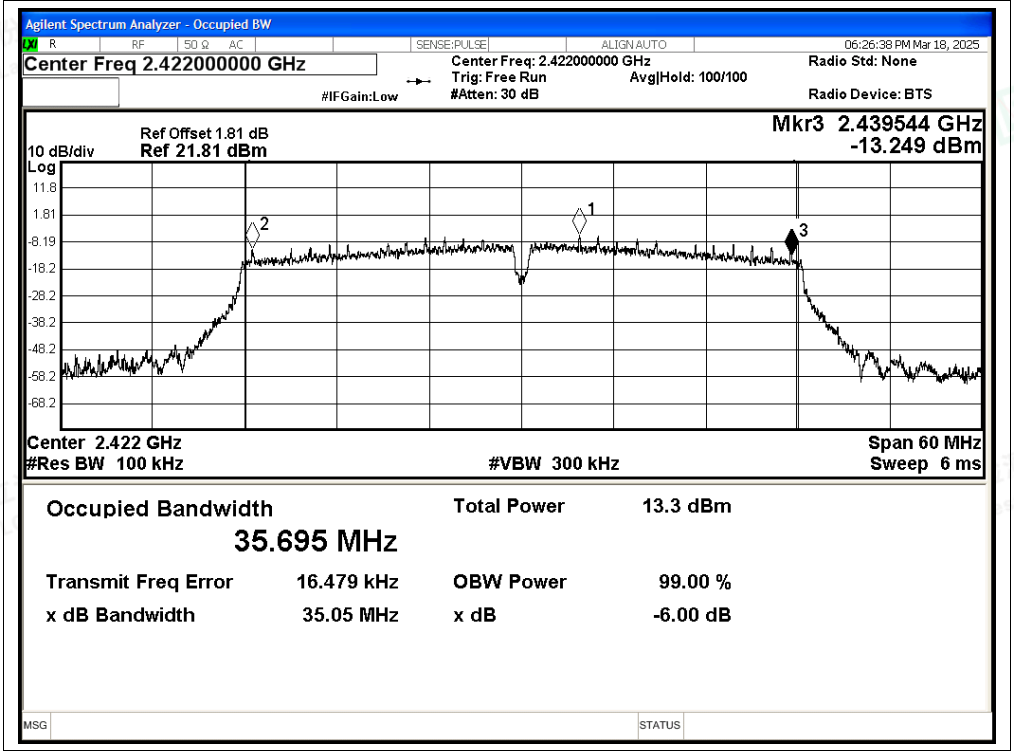
-6dB Bandwidth NVNT n20 2437MHz Ant



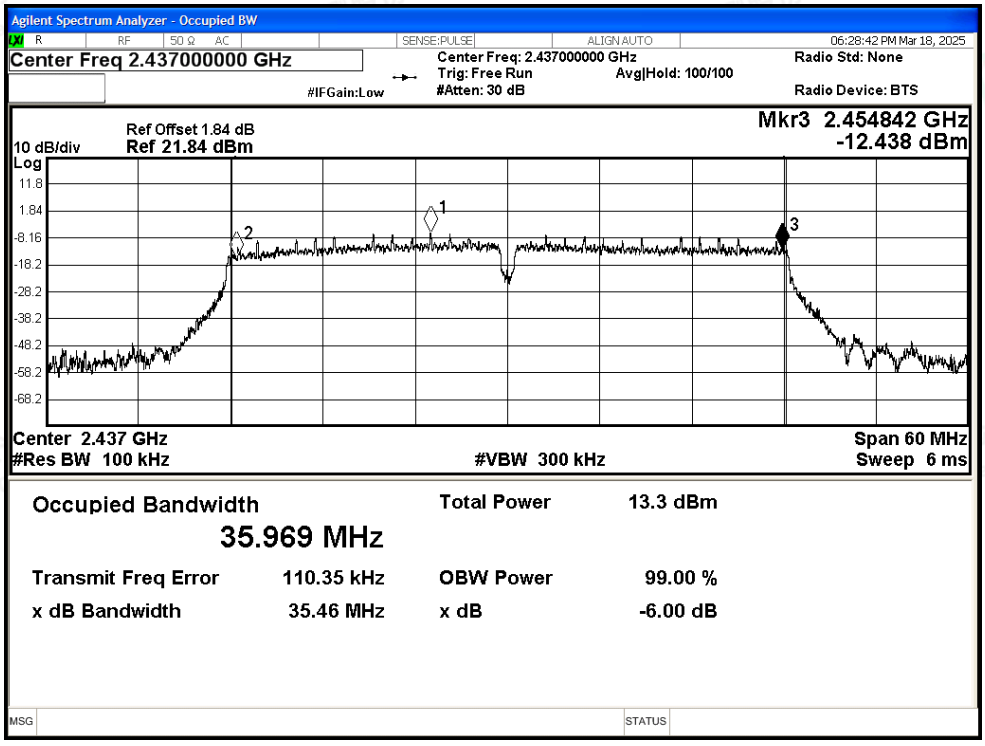
-6dB Bandwidth NVNT n20 2462MHz Ant



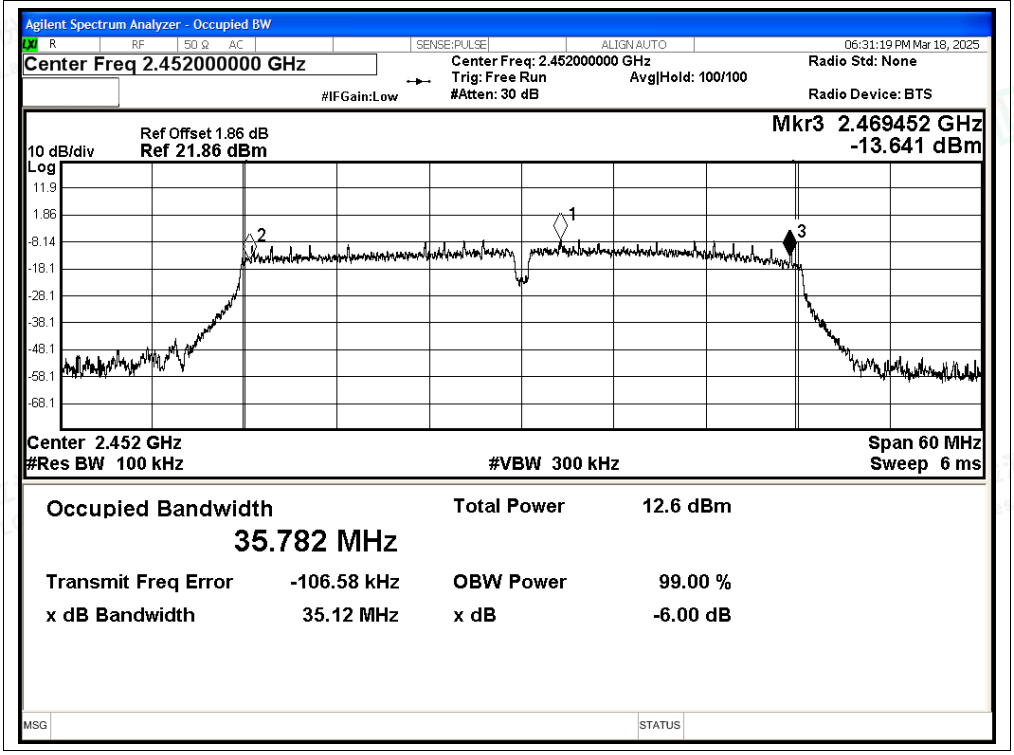
-6dB Bandwidth NVNT n40 2422MHz Ant



-6dB Bandwidth NVNT n40 2437MHz Ant



-6dB Bandwidth NVNT n40 2452MHz Ant



C.2 Maximum Peak Conducted Output Power

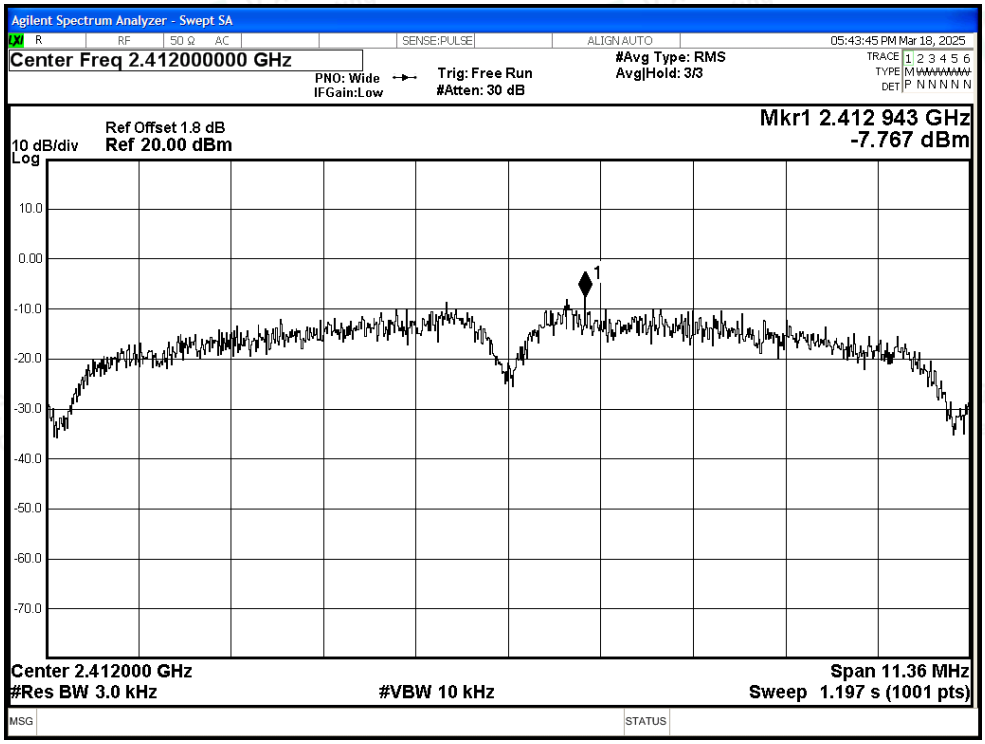
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Limit (dBm)	Verdict
NVNT	b	2412	Ant	15.3	30	Pass
NVNT	b	2437	Ant	14.88	30	Pass
NVNT	b	2462	Ant	15.07	30	Pass
NVNT	g	2412	Ant	14.23	30	Pass
NVNT	g	2437	Ant	14.54	30	Pass
NVNT	g	2462	Ant	14.74	30	Pass
NVNT	n20	2412	Ant	13.36	30	Pass
NVNT	n20	2437	Ant	13.79	30	Pass
NVNT	n20	2462	Ant	12.94	30	Pass
NVNT	n40	2422	Ant	11.69	30	Pass
NVNT	n40	2437	Ant	11.7	30	Pass
NVNT	n40	2452	Ant	11.17	30	Pass

C.3 Maximum Power Spectral Density Level

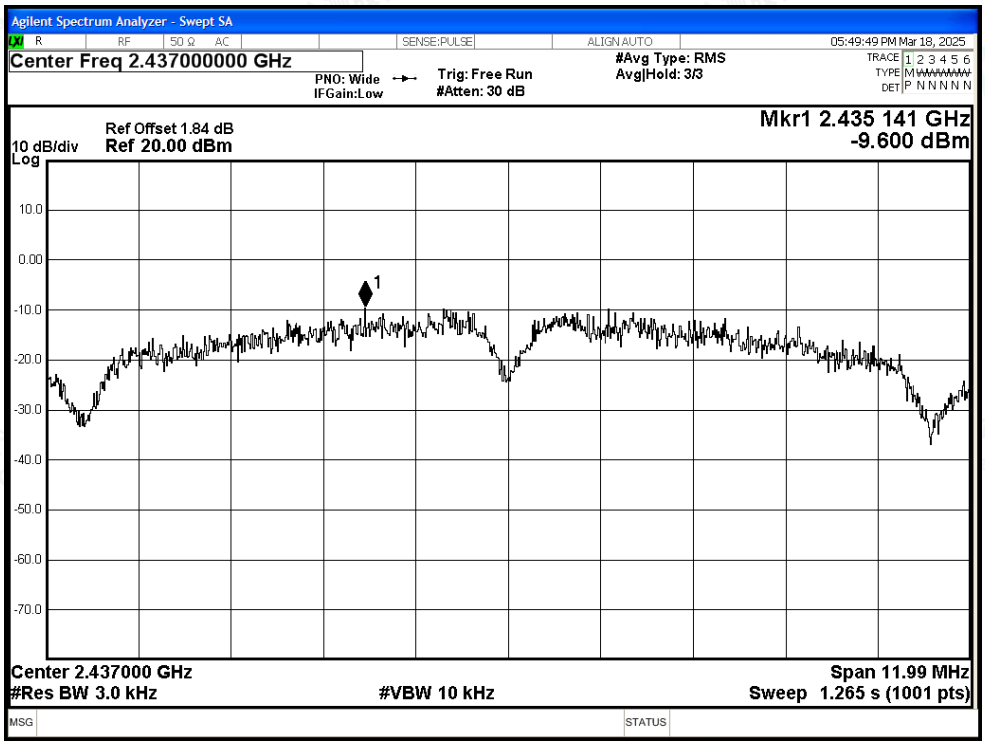
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
NVNT	b	2412	Ant	-7.77	8	Pass
NVNT	b	2437	Ant	-9.6	8	Pass
NVNT	b	2462	Ant	-8.2	8	Pass
NVNT	g	2412	Ant	-14.55	8	Pass
NVNT	g	2437	Ant	-14.51	8	Pass
NVNT	g	2462	Ant	-14.73	8	Pass
NVNT	n20	2412	Ant	-15.76	8	Pass
NVNT	n20	2437	Ant	-15.7	8	Pass
NVNT	n20	2462	Ant	-16.86	8	Pass
NVNT	n40	2422	Ant	-20.45	8	Pass
NVNT	n40	2437	Ant	-20.61	8	Pass
NVNT	n40	2452	Ant	-20.23	8	Pass

Test Graphs

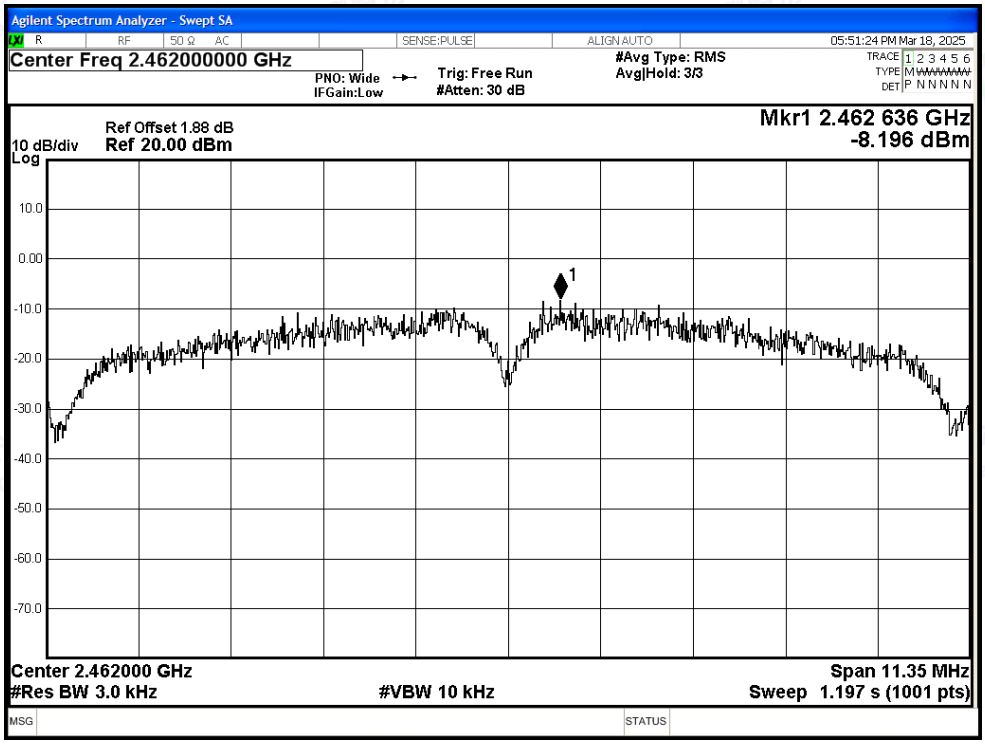
PSD NVNT b 2412MHz Ant



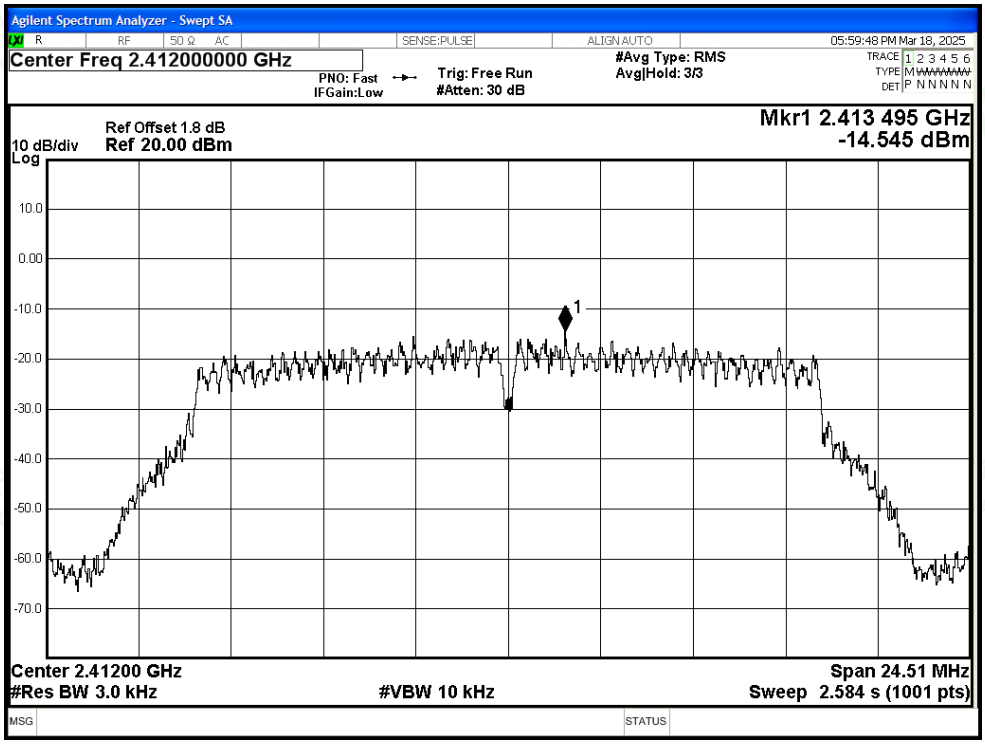
PSD NVNT b 2437MHz Ant



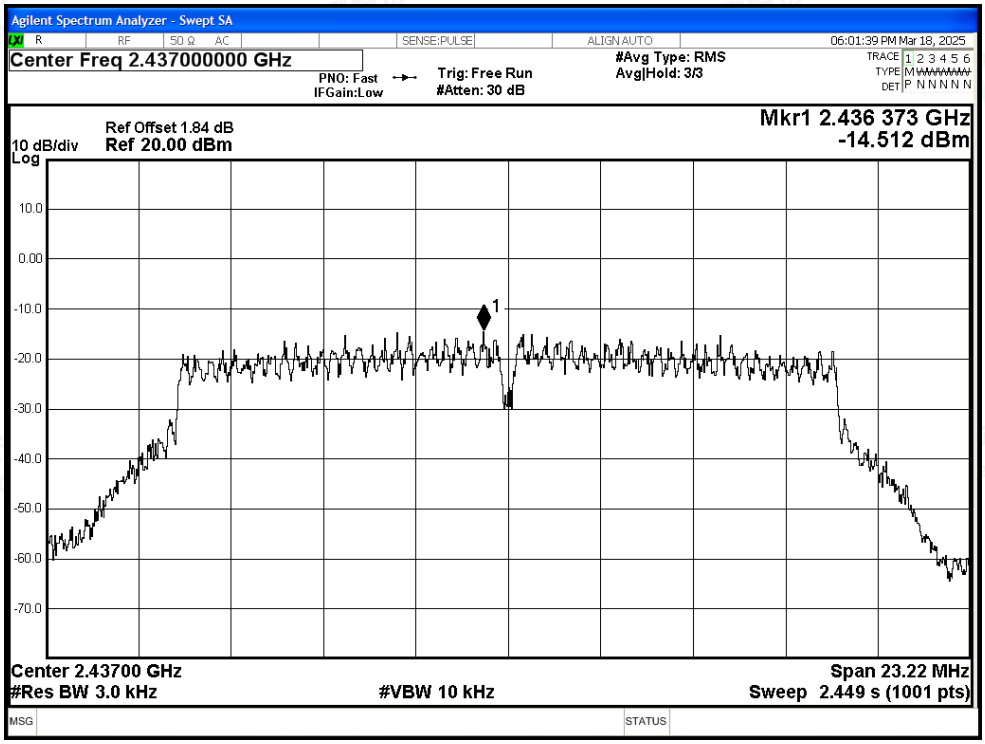
PSD NVNT b 2462MHz Ant



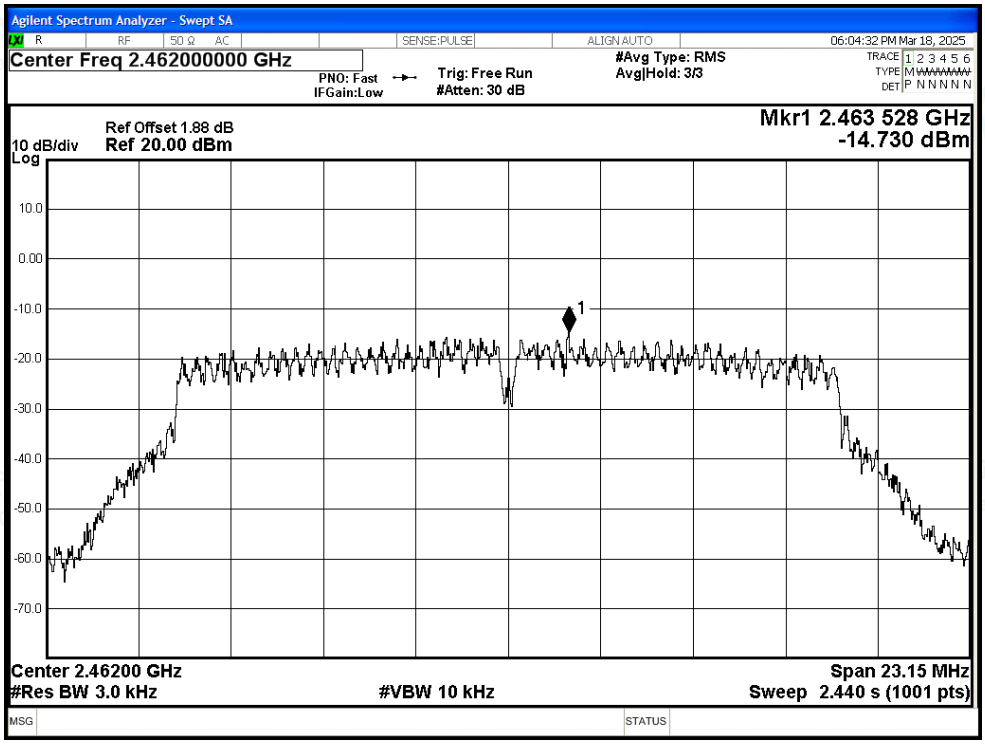
PSD NVNT g 2412MHz Ant



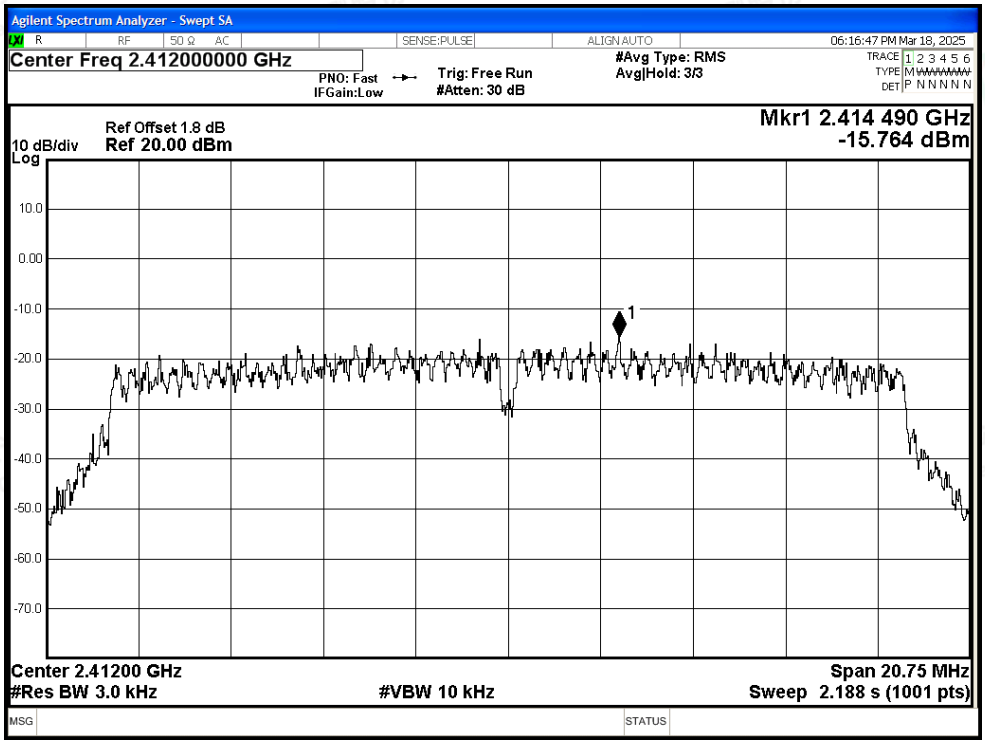
PSD NVNT g 2437MHz Ant



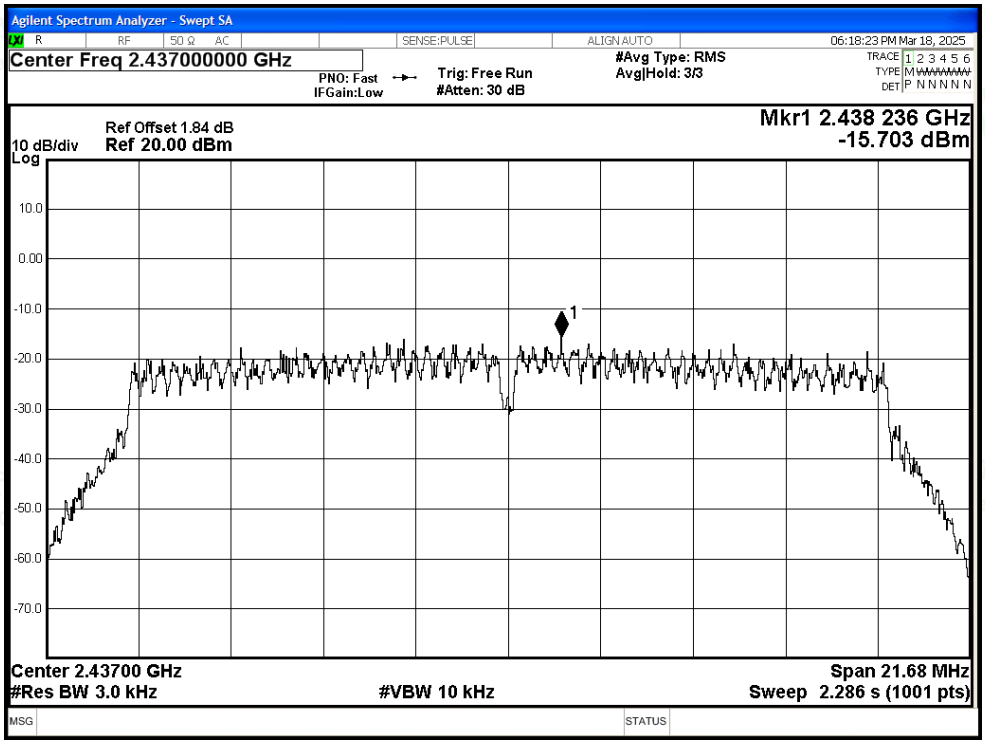
PSD NVNT g 2462MHz Ant



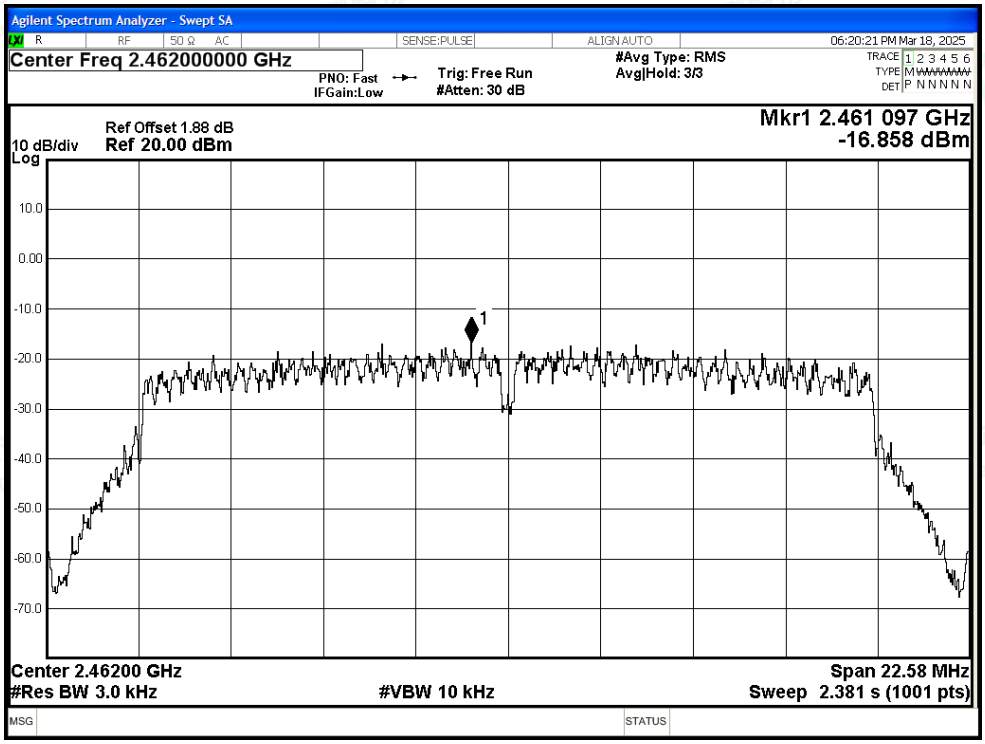
PSD NVNT n20 2412MHz Ant



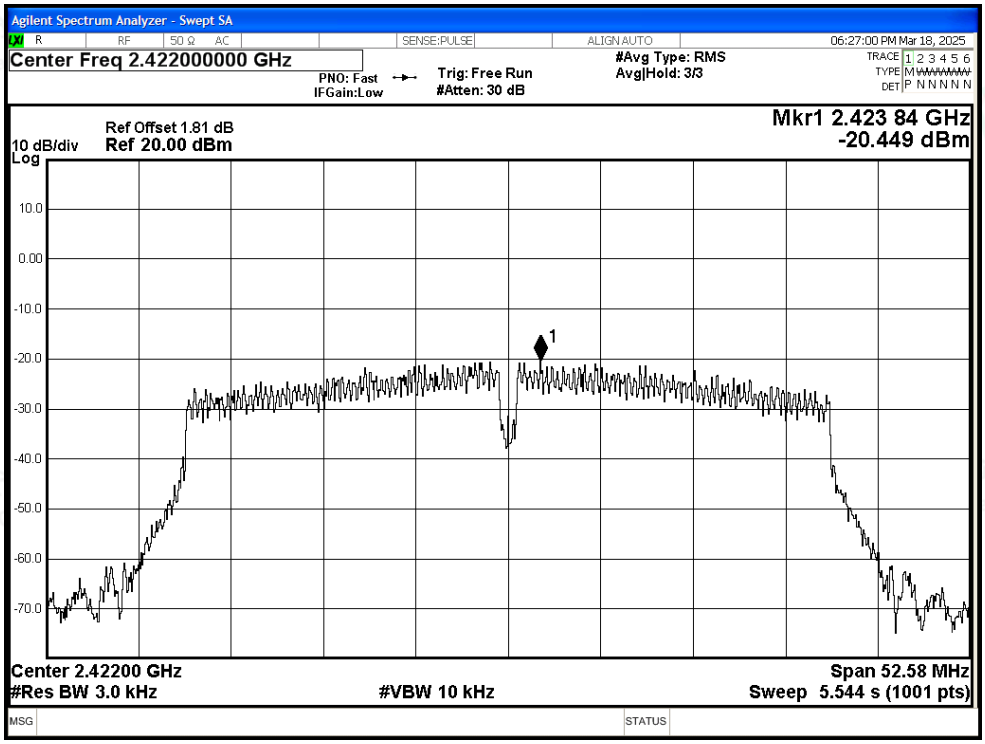
PSD NVNT n20 2437MHz Ant



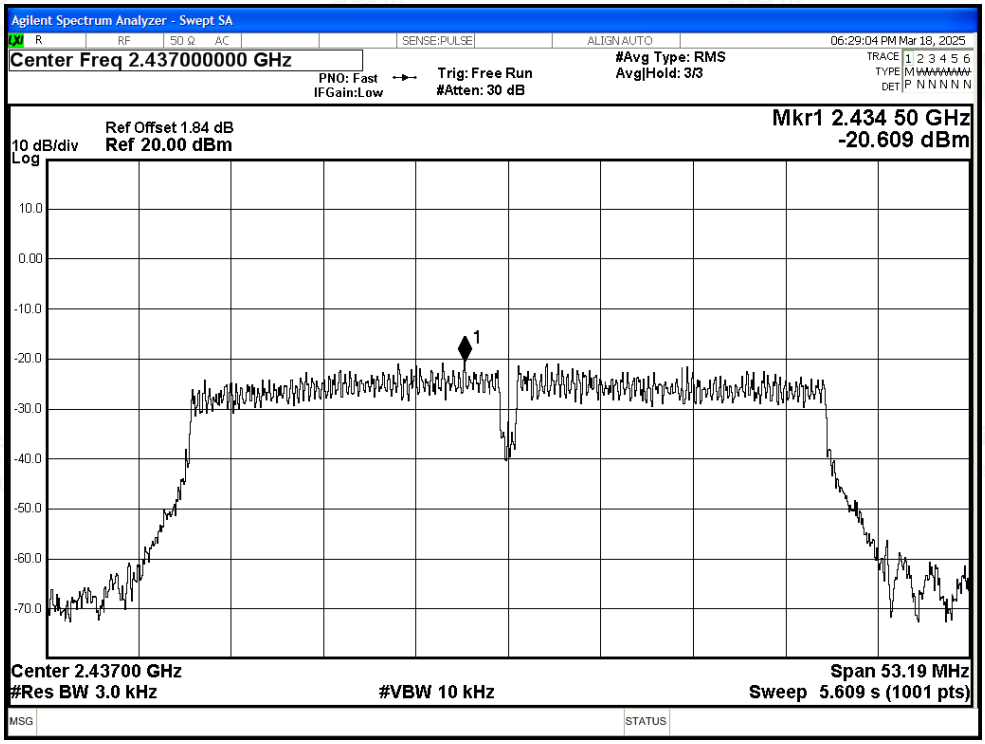
PSD NVNT n20 2462MHz Ant



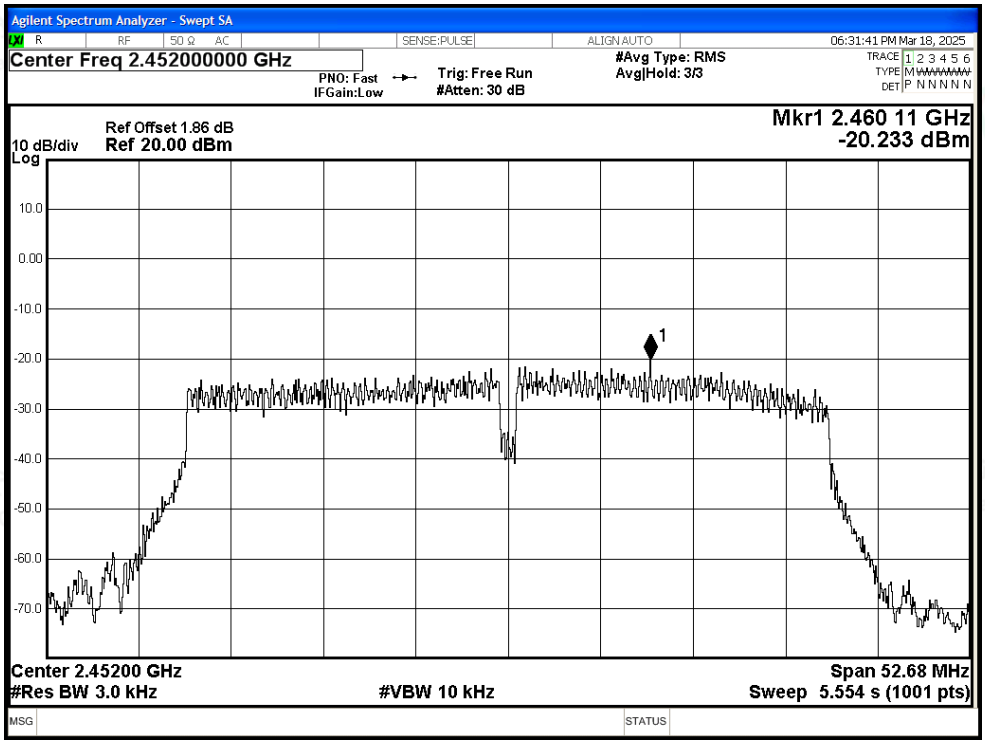
PSD NVNT n40 2422MHz Ant



PSD NVNT n40 2437MHz Ant



PSD NVNT n40 2452MHz Ant

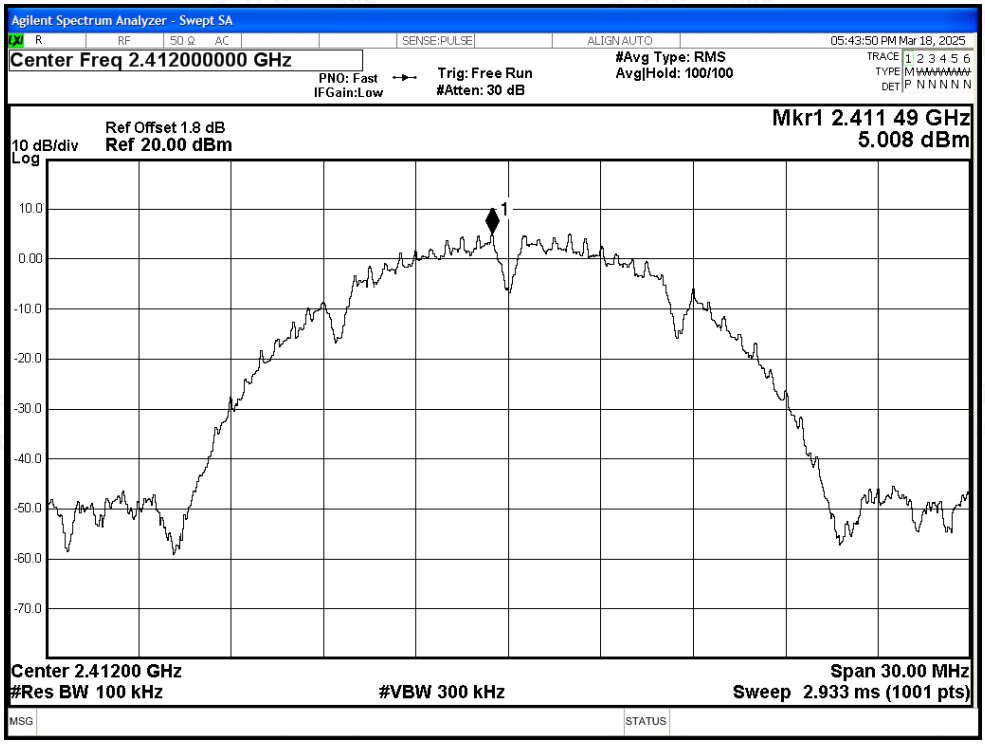


C.4 Band Edge

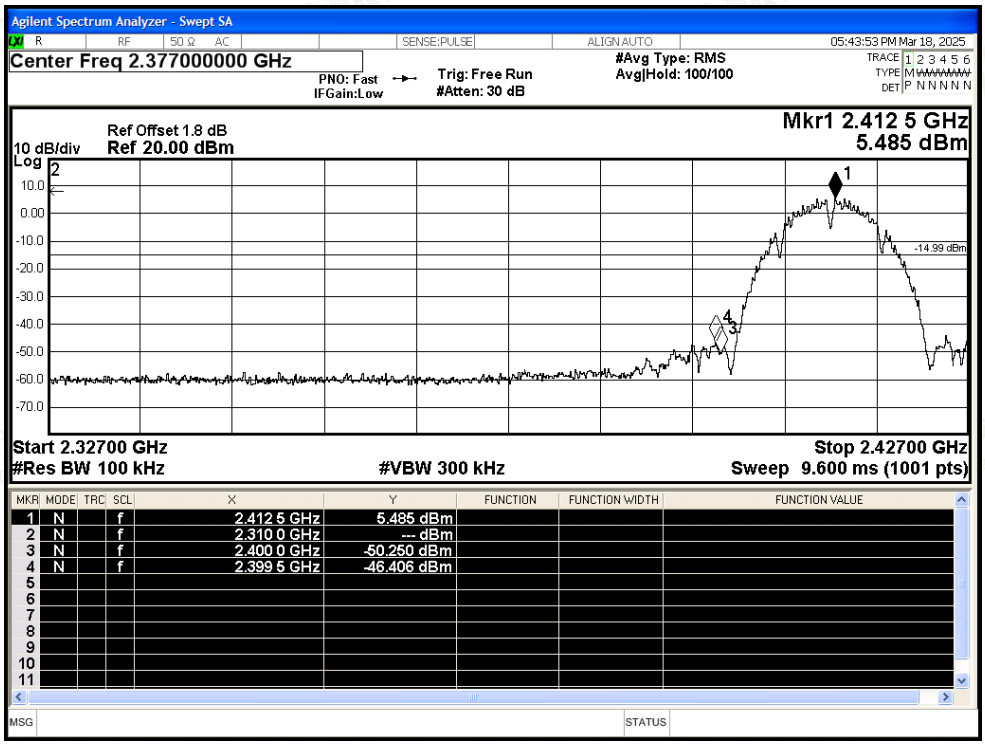
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant	-51.41	-20	Pass
NVNT	b	2462	Ant	-62	-20	Pass
NVNT	g	2412	Ant	-38.57	-20	Pass
NVNT	g	2462	Ant	-49.21	-20	Pass
NVNT	n20	2412	Ant	-41.75	-20	Pass
NVNT	n20	2462	Ant	-52.1	-20	Pass
NVNT	n40	2422	Ant	-40.85	-20	Pass
NVNT	n40	2452	Ant	-44.81	-20	Pass

Test Graphs

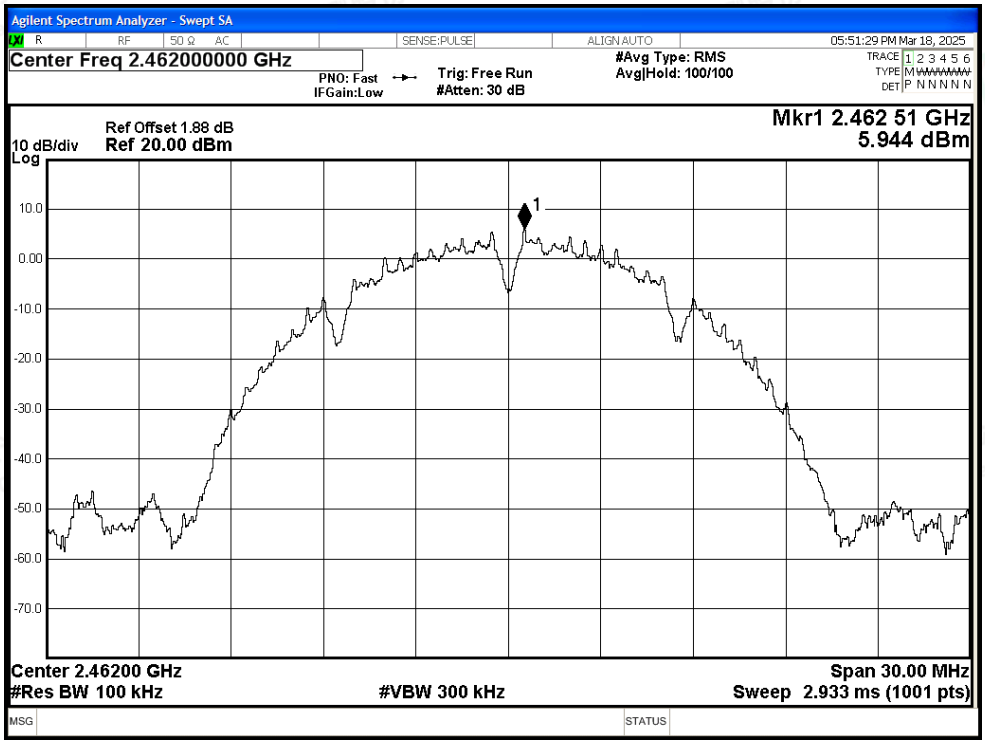
Band Edge NVNT b 2412MHz Ant Ref



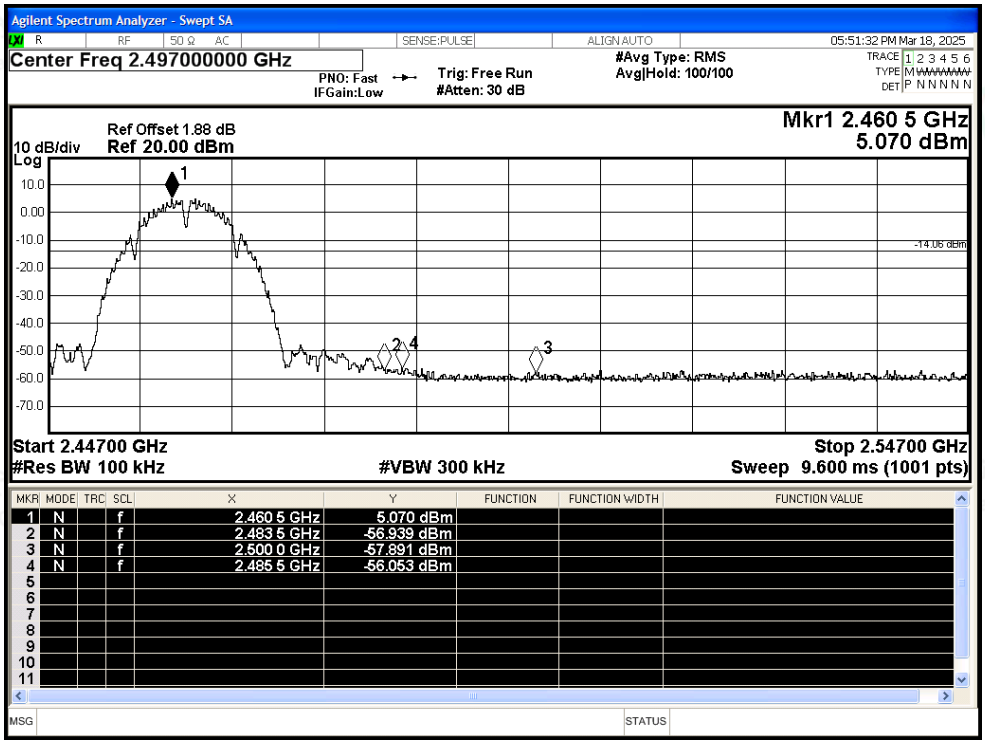
Band Edge NVNT b 2412MHz Ant Emission



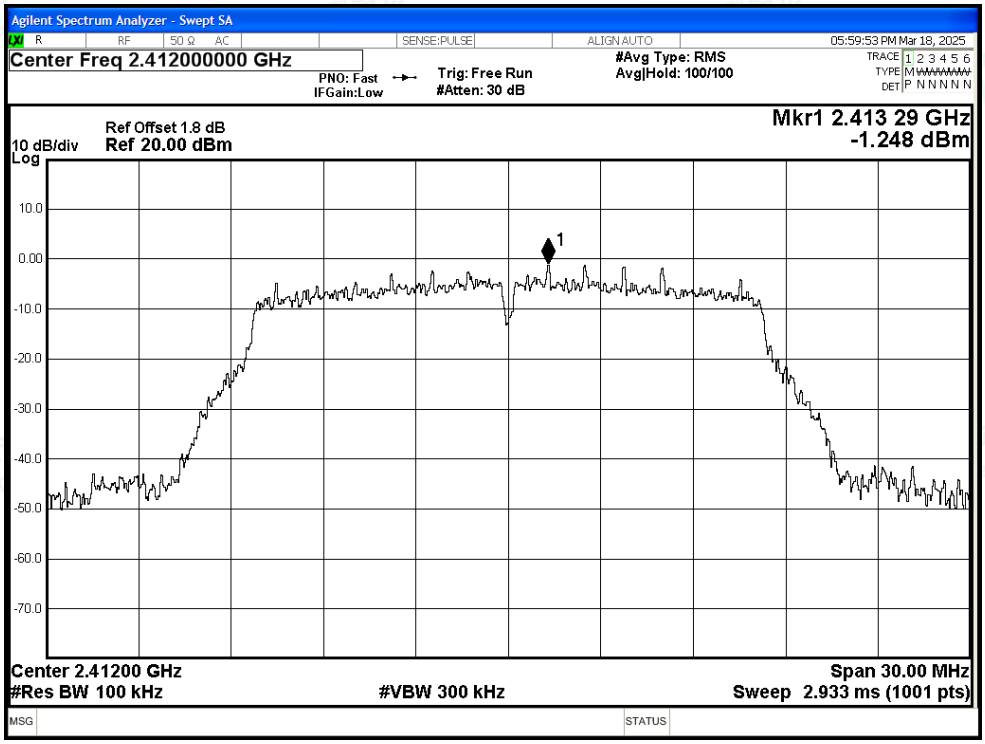
Band Edge NVNT b 2462MHz Ant Ref



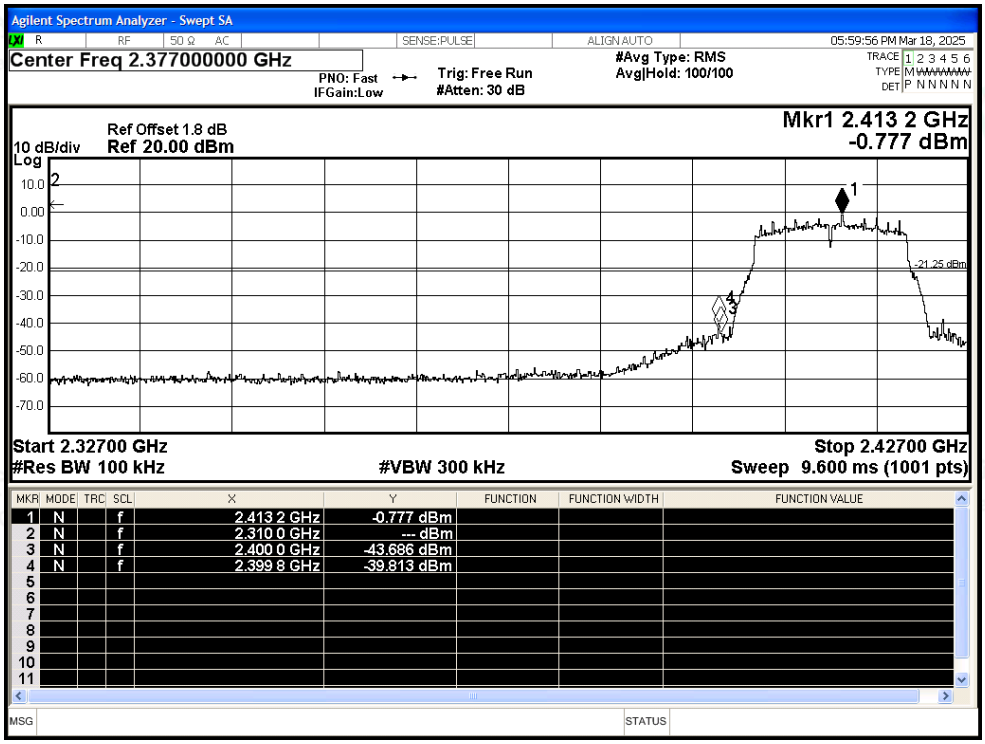
Band Edge NVNT b 2462MHz Ant Emission



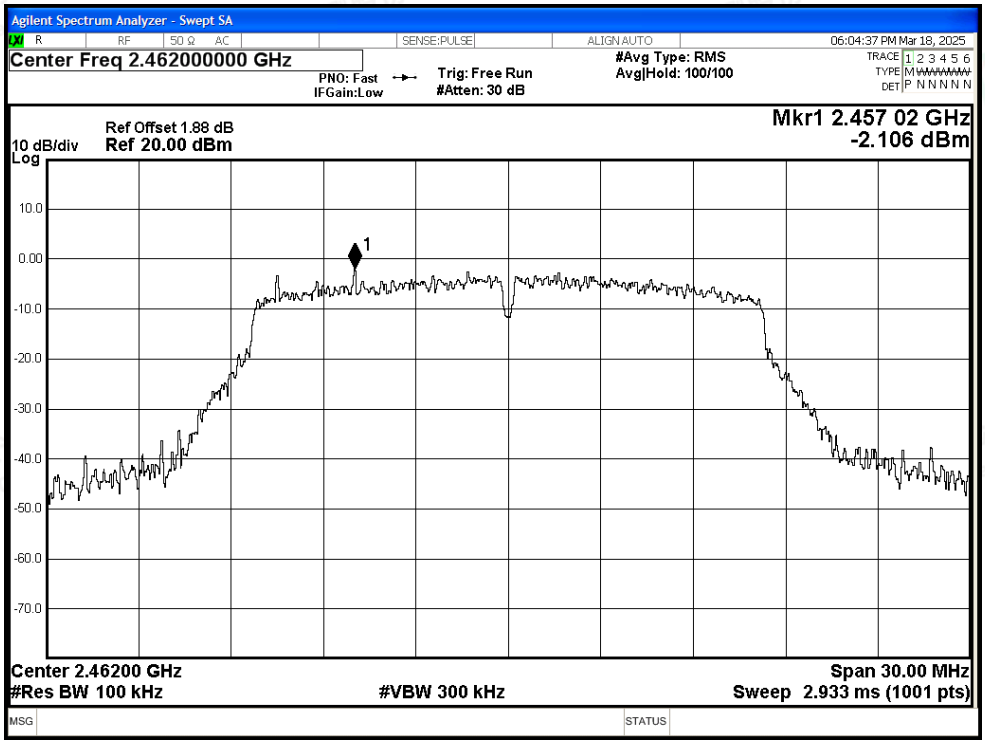
Band Edge NVNT g 2412MHz Ant Ref



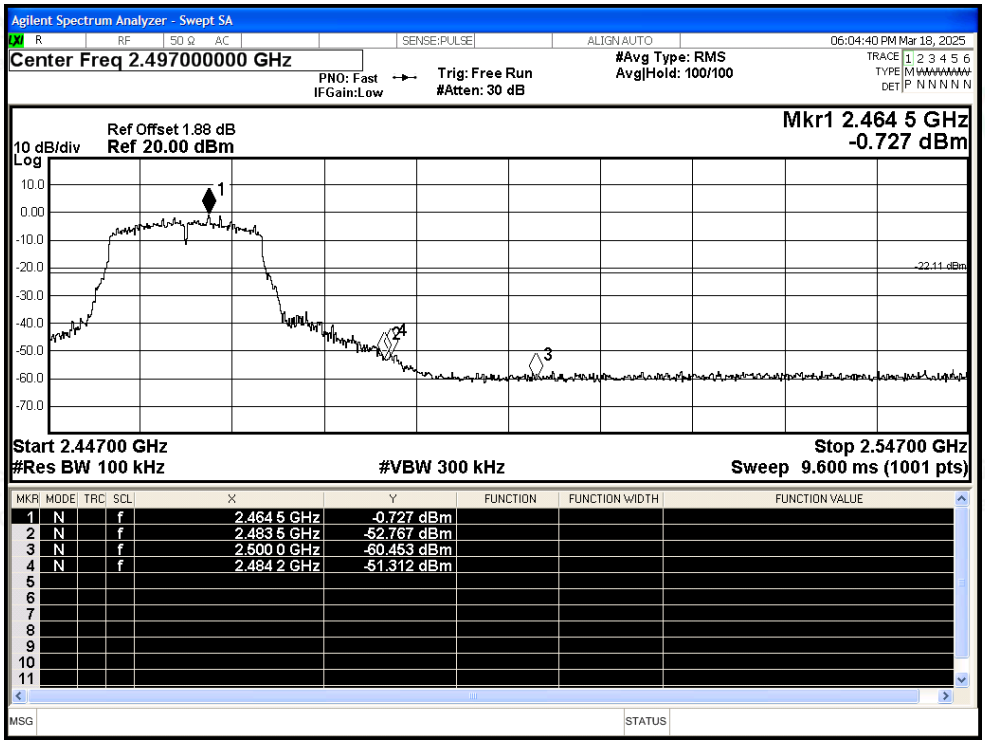
Band Edge NVNT g 2412MHz Ant Emission



Band Edge NVNT g 2462MHz Ant Ref

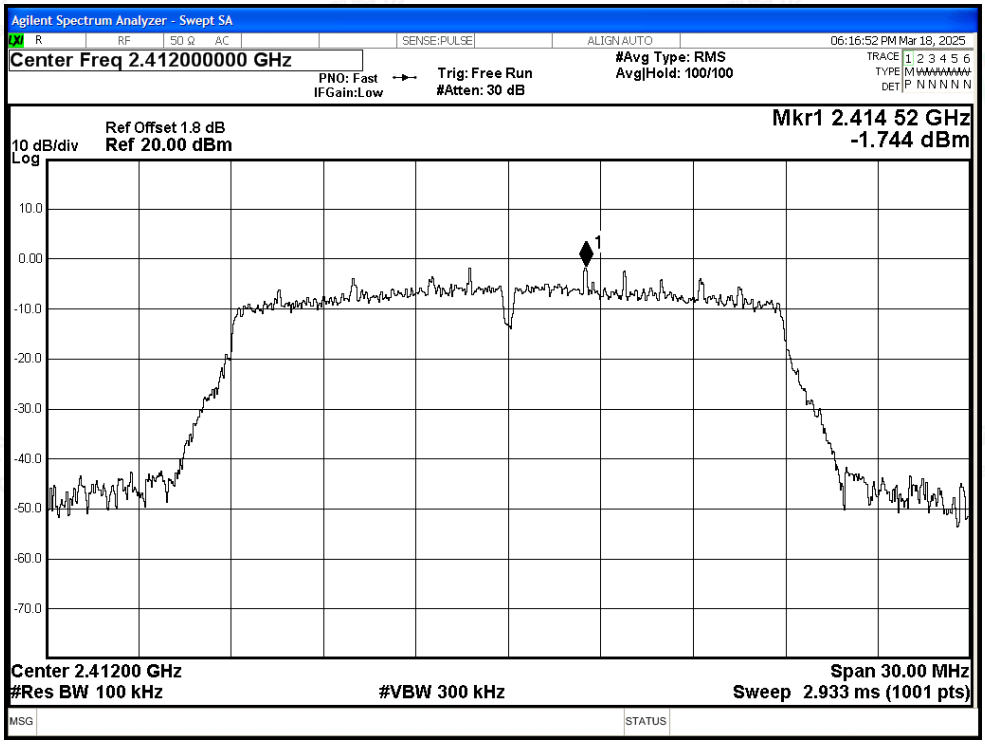


Band Edge NVNT g 2462MHz Ant Emission

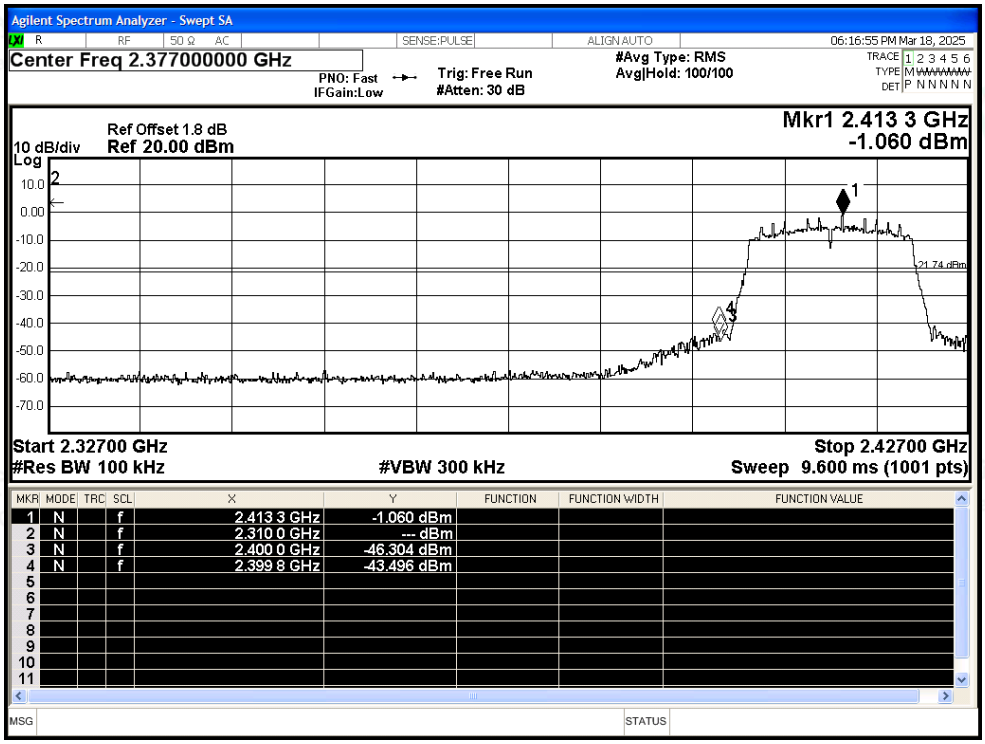


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	2.464 5 GHz	-0.727 dBm			
2	N		f	2.483 5 GHz	-52.767 dBm			
3	N		f	2.500 0 GHz	-60.453 dBm			
4	N		f	2.484 2 GHz	-51.312 dBm			
5								
6								
7								
8								
9								
10								
11								

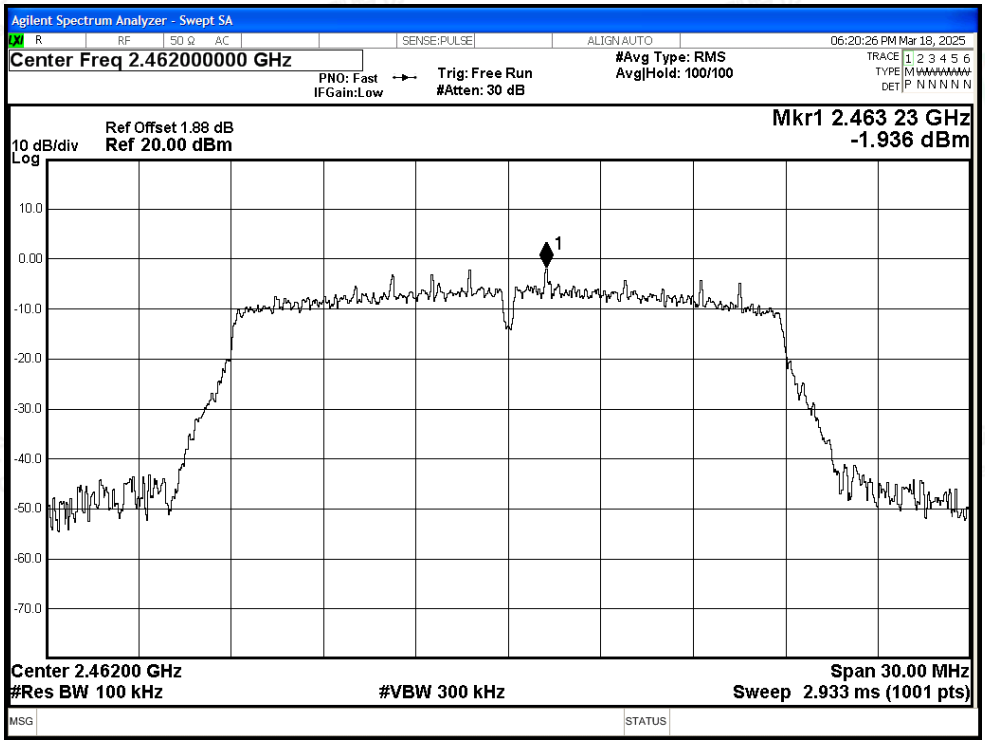
Band Edge NVNT n20 2412MHz Ant Ref



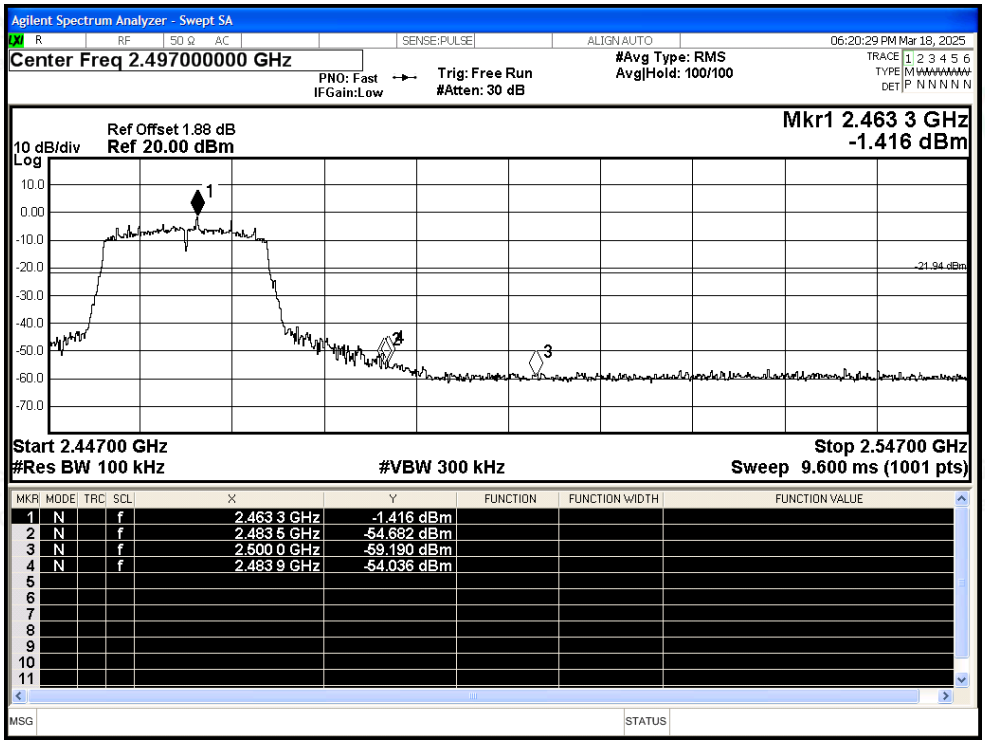
Band Edge NVNT n20 2412MHz Ant Emission



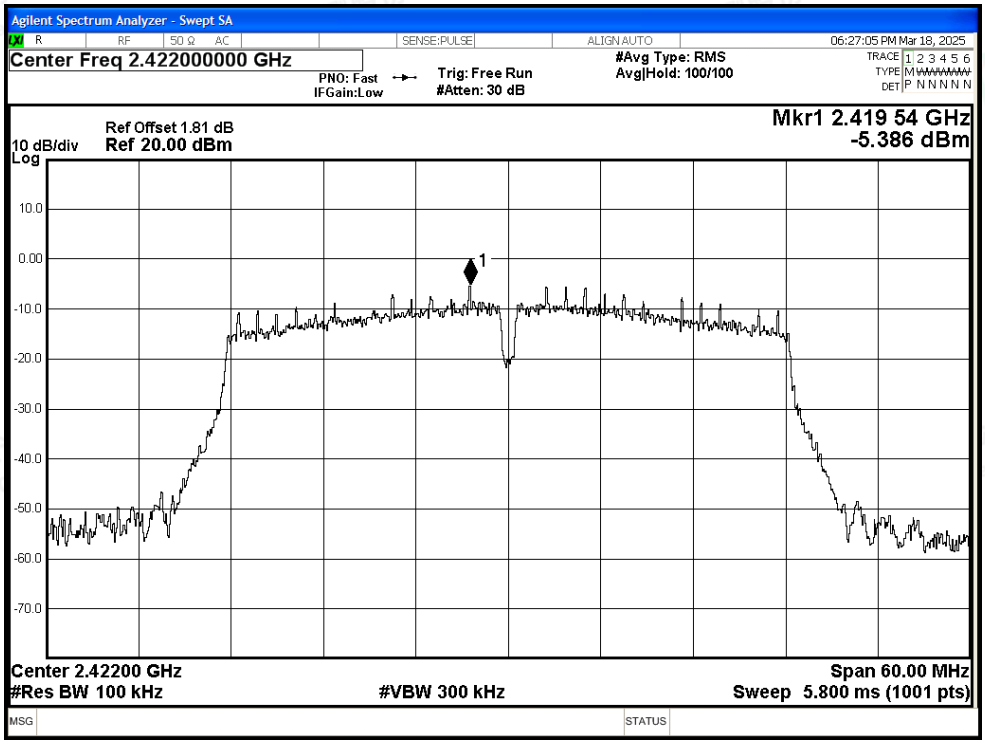
Band Edge NVNT n20 2462MHz Ant Ref



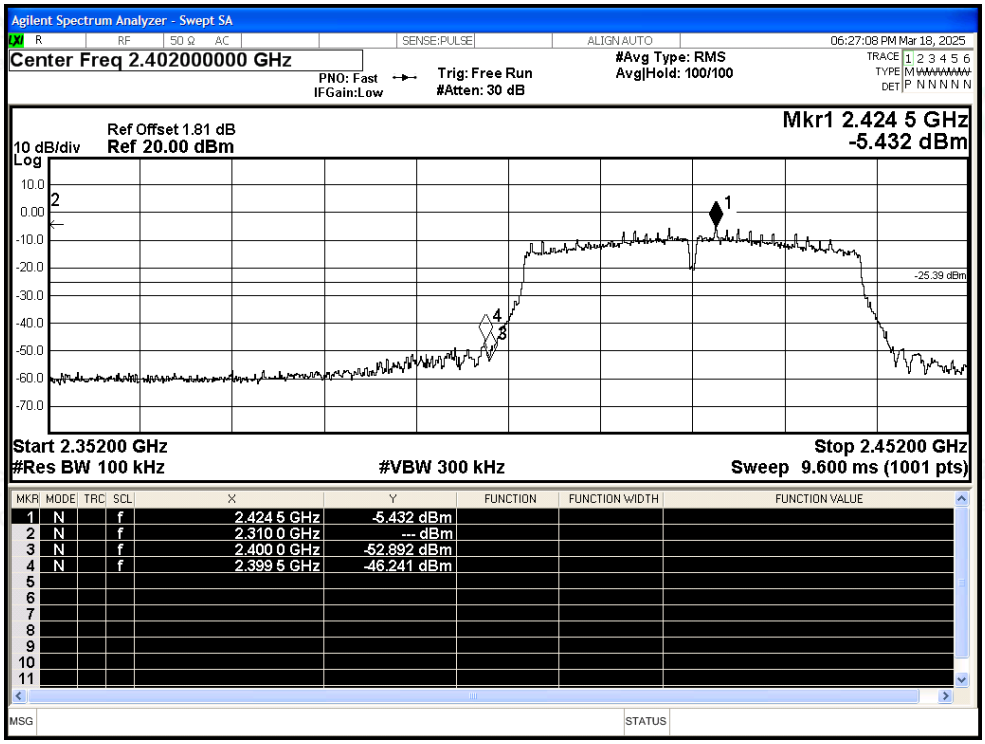
Band Edge NVNT n20 2462MHz Ant Emission



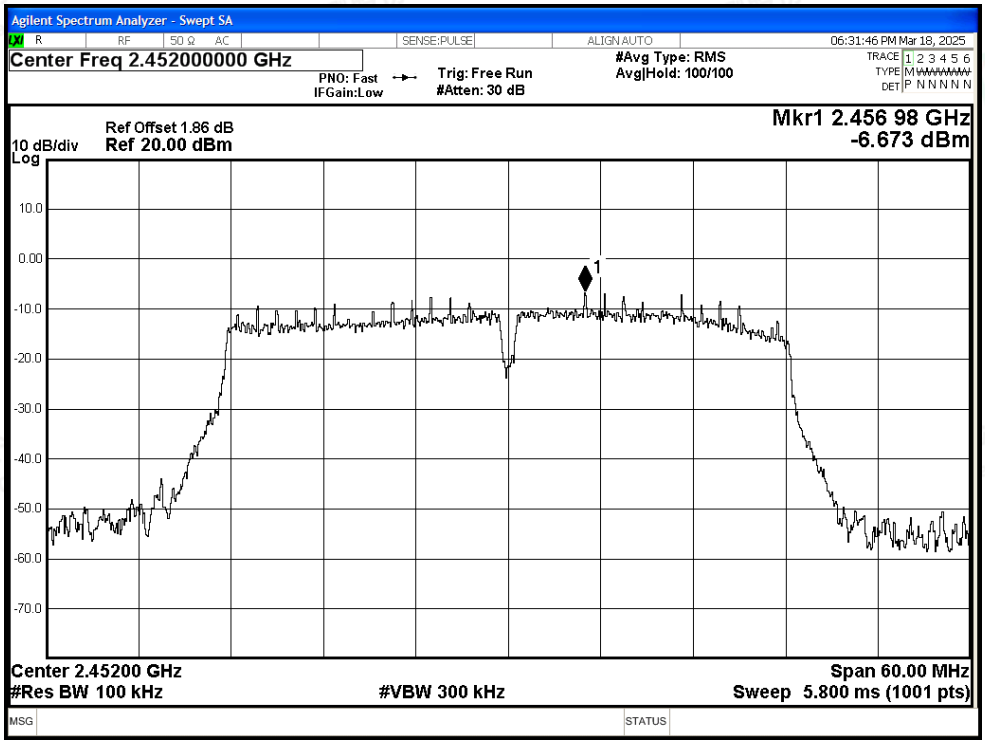
Band Edge NVNT n40 2422MHz Ant Ref



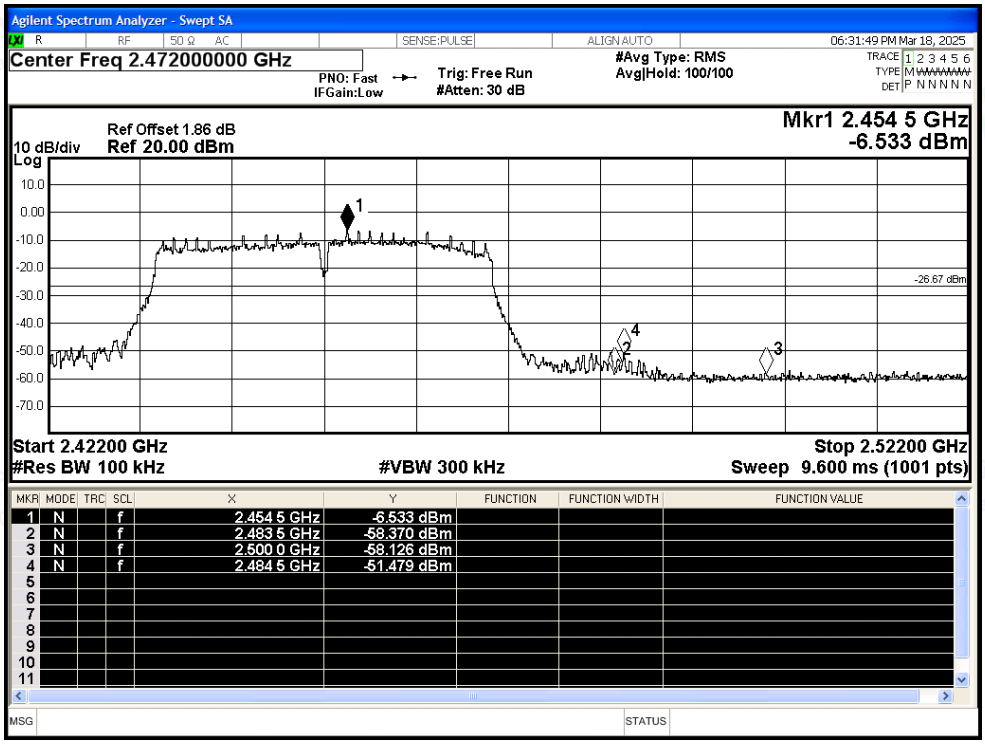
Band Edge NVNT n40 2422MHz Ant Emission



Band Edge NVNT n40 2452MHz Ant Ref



Band Edge NVNT n40 2452MHz Ant Emission

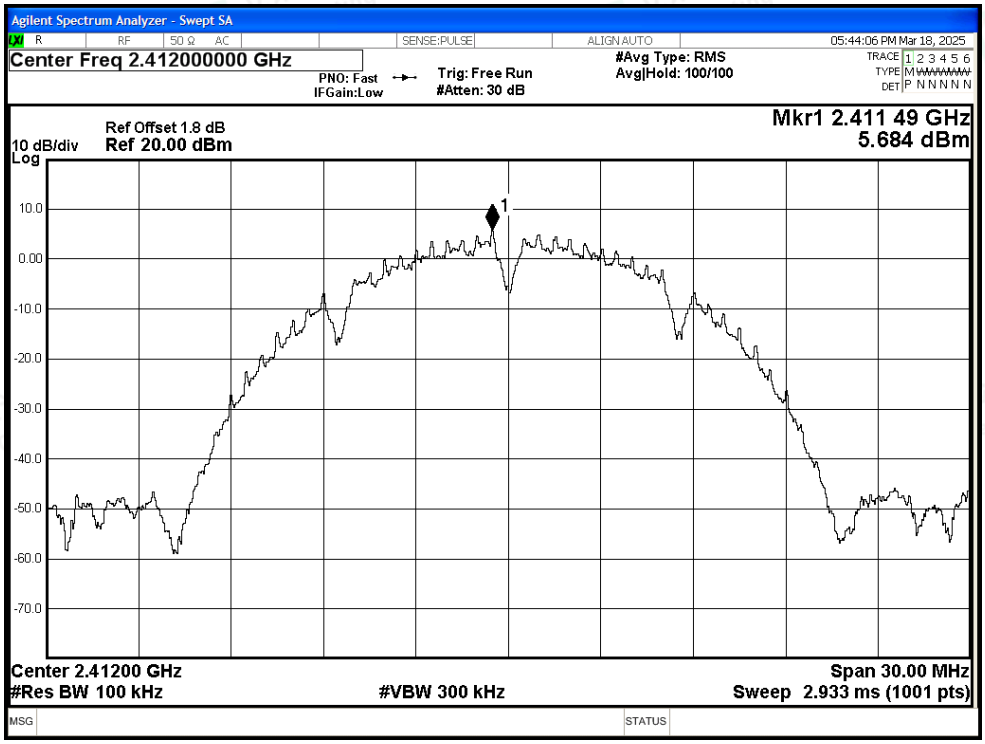


C.5 Conducted RF Spurious Emission

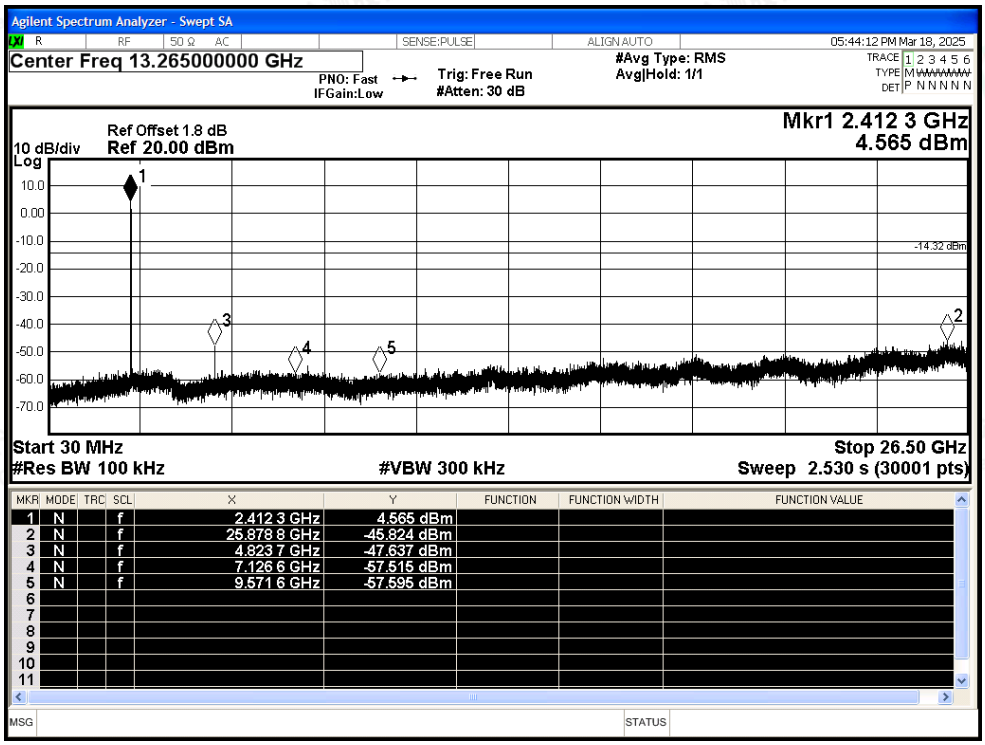
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBc)	Limit (dBc)	Verdict
NVNT	b	2412	Ant	-51.51	-20	Pass
NVNT	b	2437	Ant	-51.97	-20	Pass
NVNT	b	2462	Ant	-49.98	-20	Pass
NVNT	g	2412	Ant	-44.58	-20	Pass
NVNT	g	2437	Ant	-44.86	-20	Pass
NVNT	g	2462	Ant	-45.58	-20	Pass
NVNT	n20	2412	Ant	-44.3	-20	Pass
NVNT	n20	2437	Ant	-44.59	-20	Pass
NVNT	n20	2462	Ant	-43.23	-20	Pass
NVNT	n40	2422	Ant	-40.01	-20	Pass
NVNT	n40	2437	Ant	-40.93	-20	Pass
NVNT	n40	2452	Ant	-39.65	-20	Pass

Test Graphs

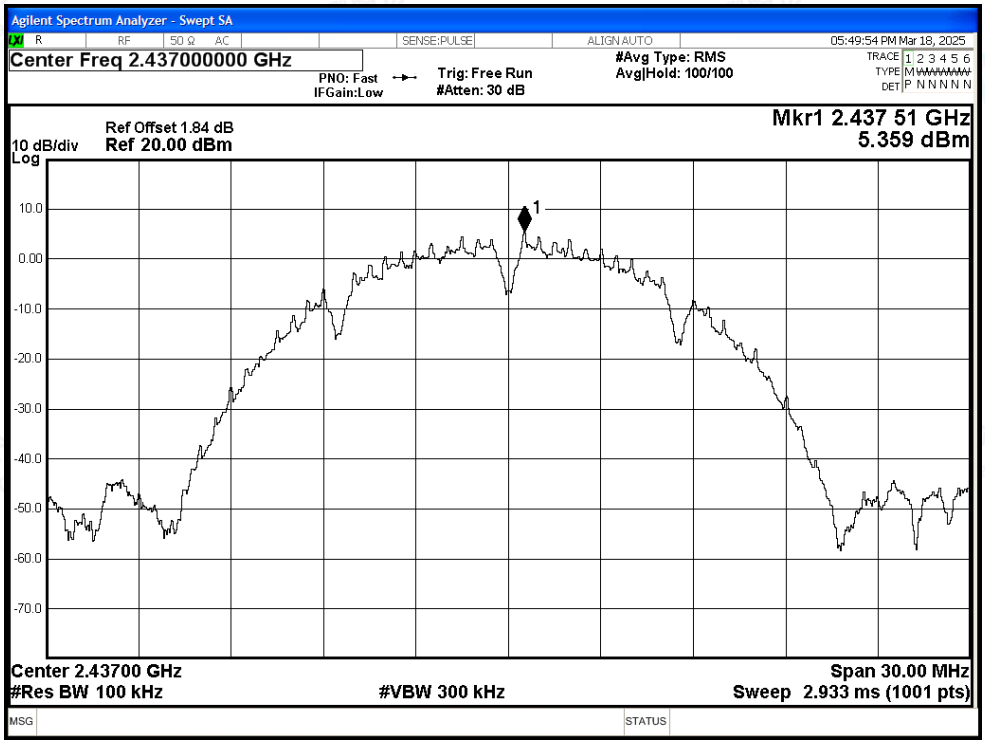
Tx. Spurious NVNT b 2412MHz Ant Ref



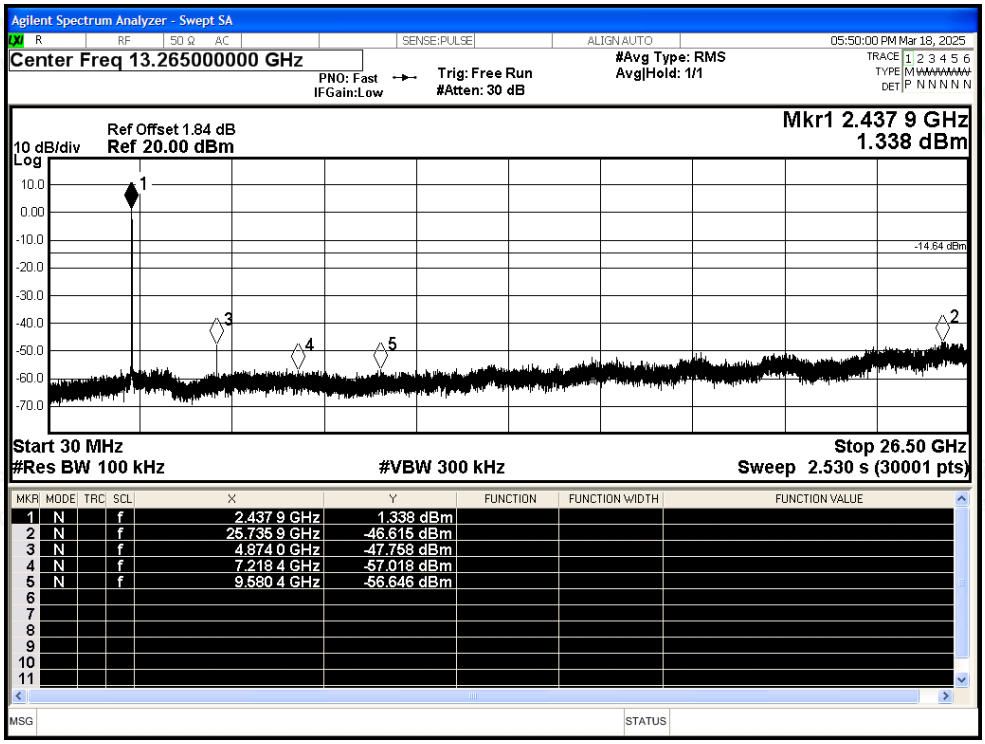
Tx. Spurious NVNT b 2412MHz Ant Emission



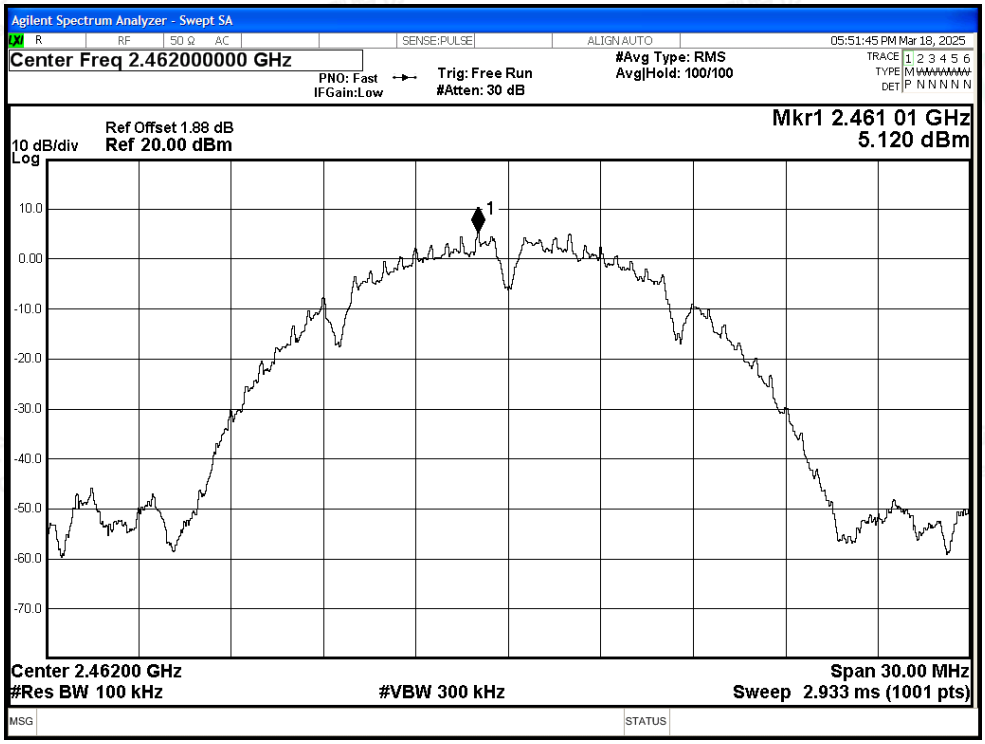
Tx. Spurious NVNT b 2437MHz Ant Ref



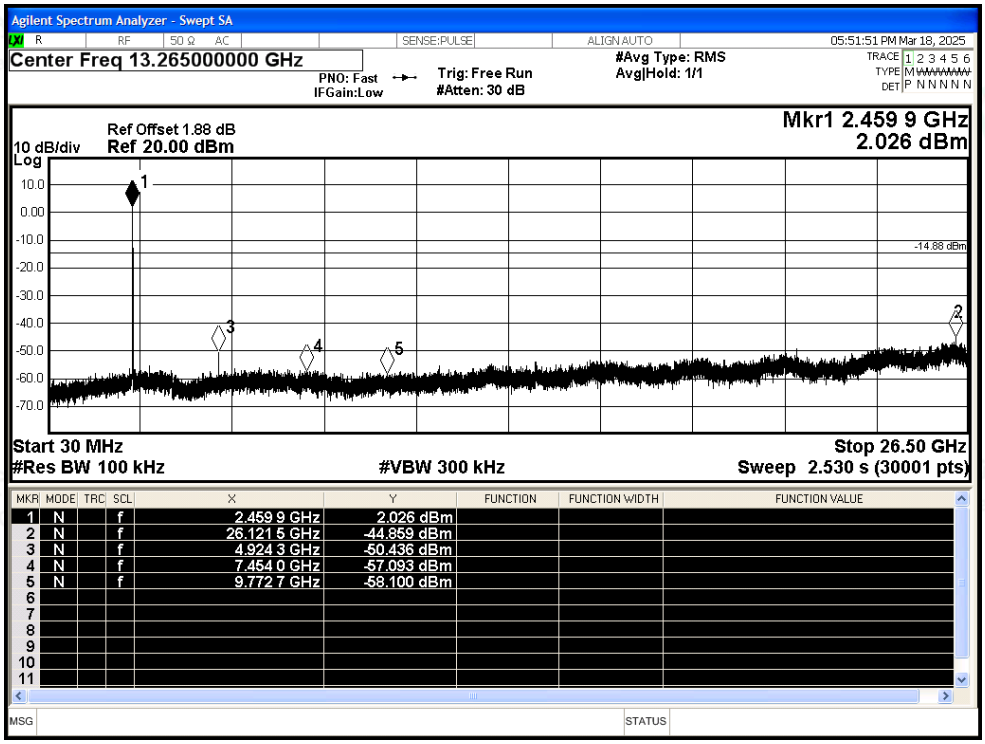
Tx. Spurious NVNT b 2437MHz Ant Emission



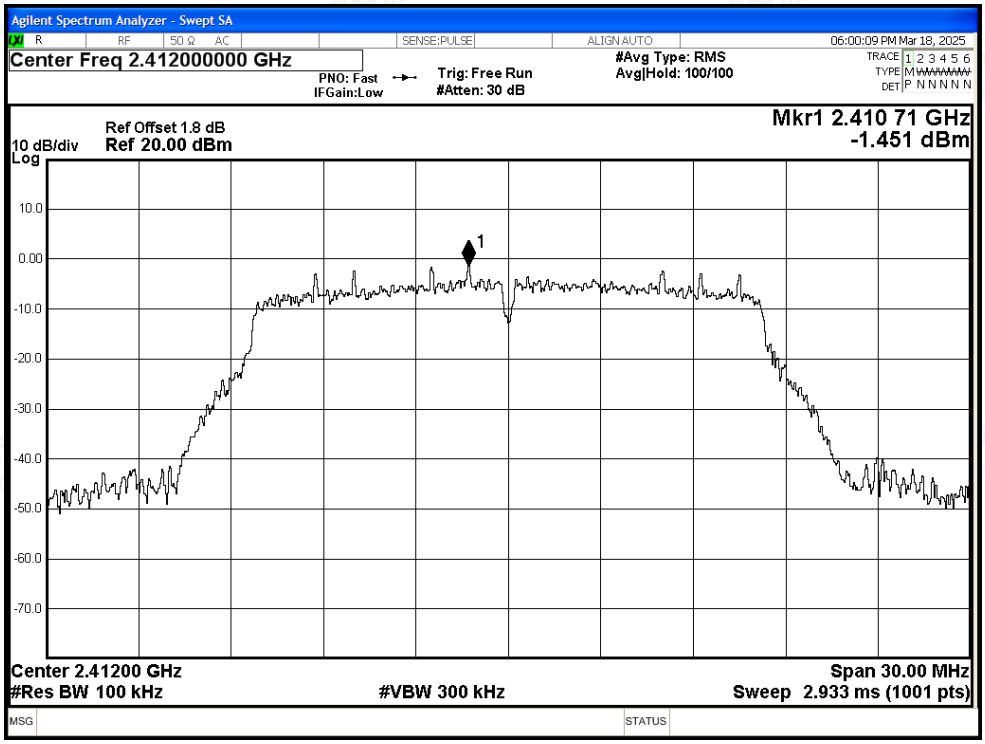
Tx. Spurious NVNT b 2462MHz Ant Ref



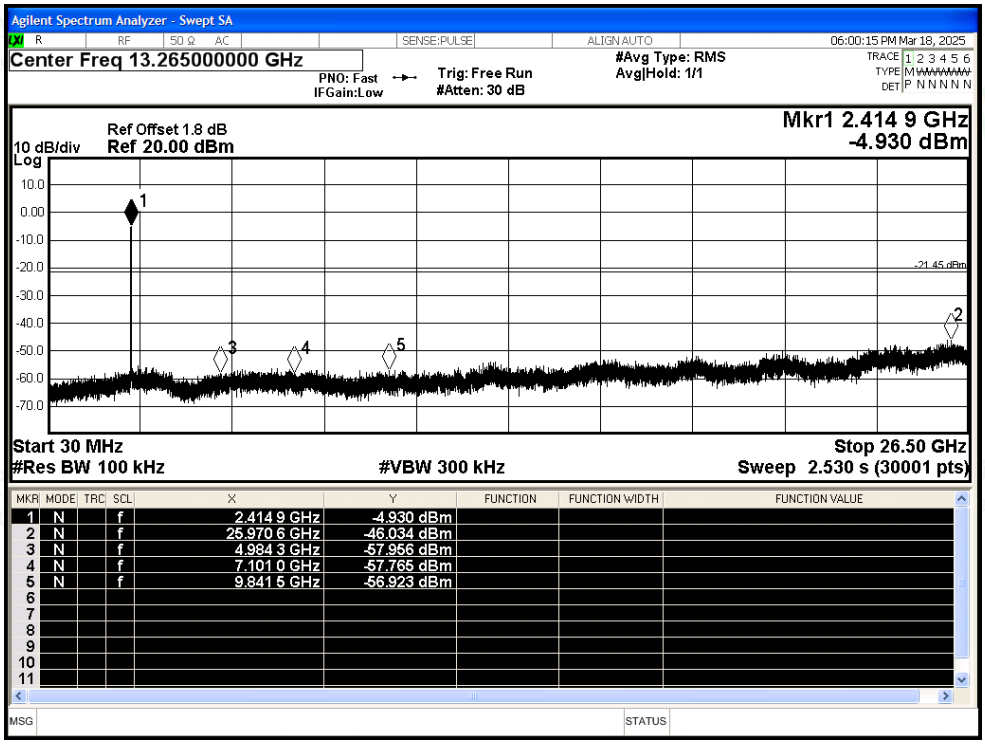
Tx. Spurious NVNT b 2462MHz Ant Emission



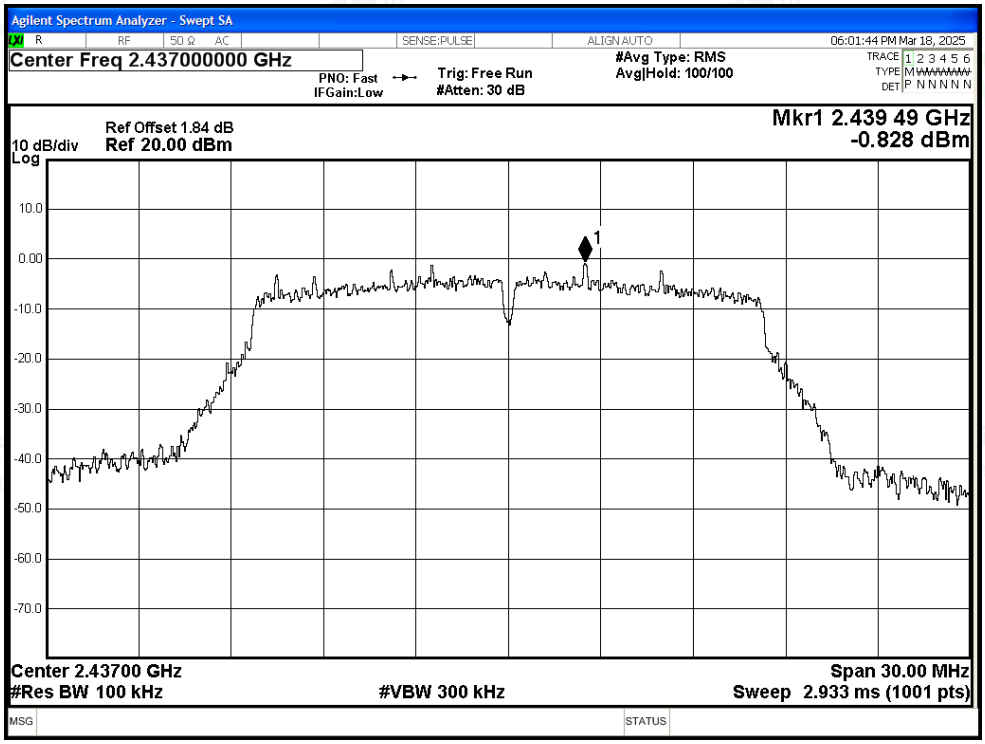
Tx. Spurious NVNT g 2412MHz Ant Ref



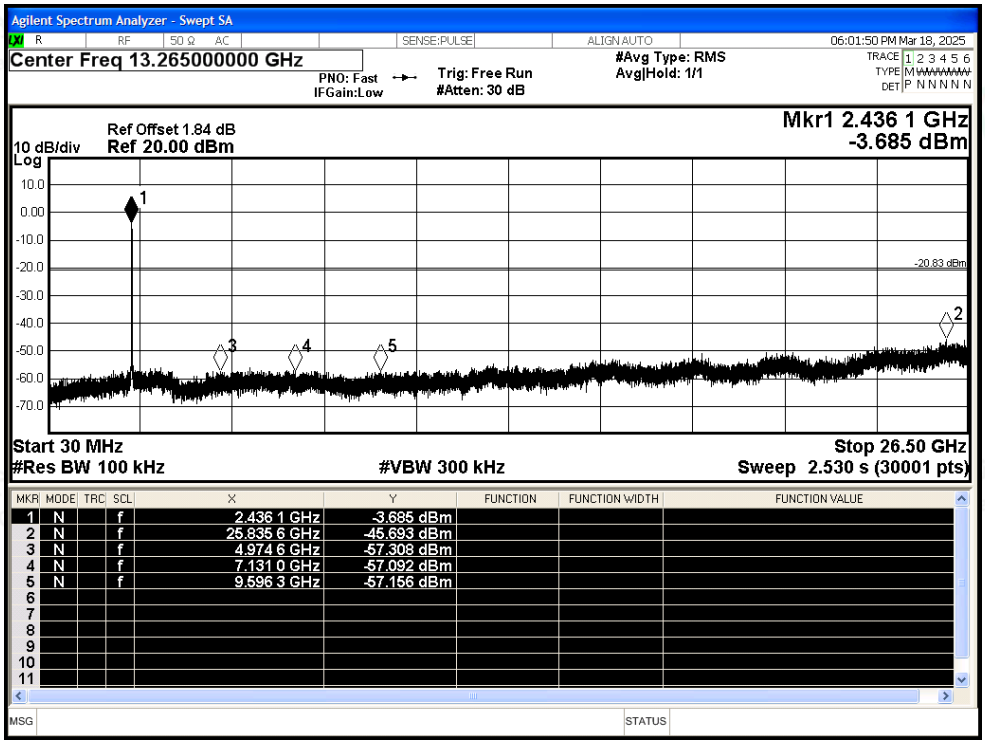
Tx. Spurious NVNT g 2412MHz Ant Emission



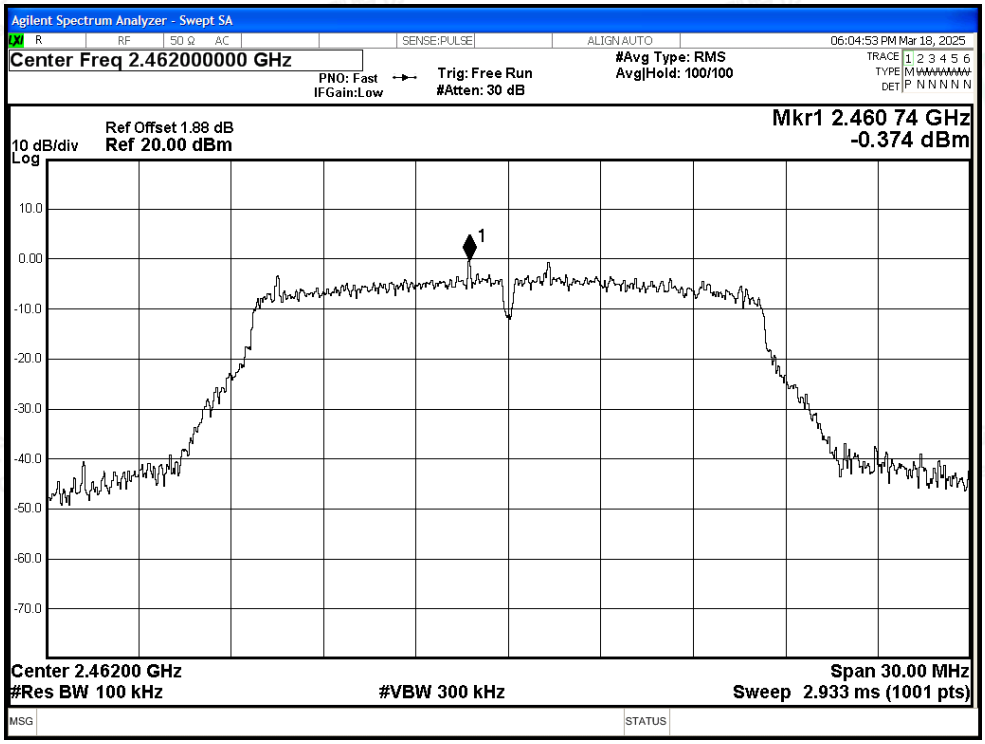
Tx. Spurious NVNT g 2437MHz Ant Ref



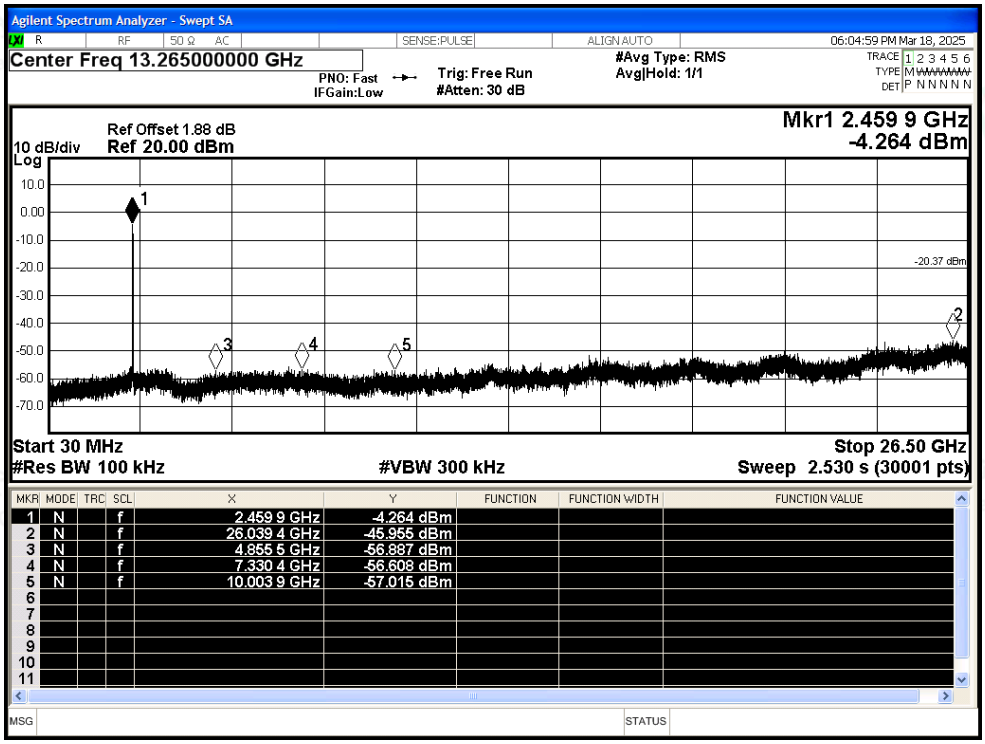
Tx. Spurious NVNT g 2437MHz Ant Emission



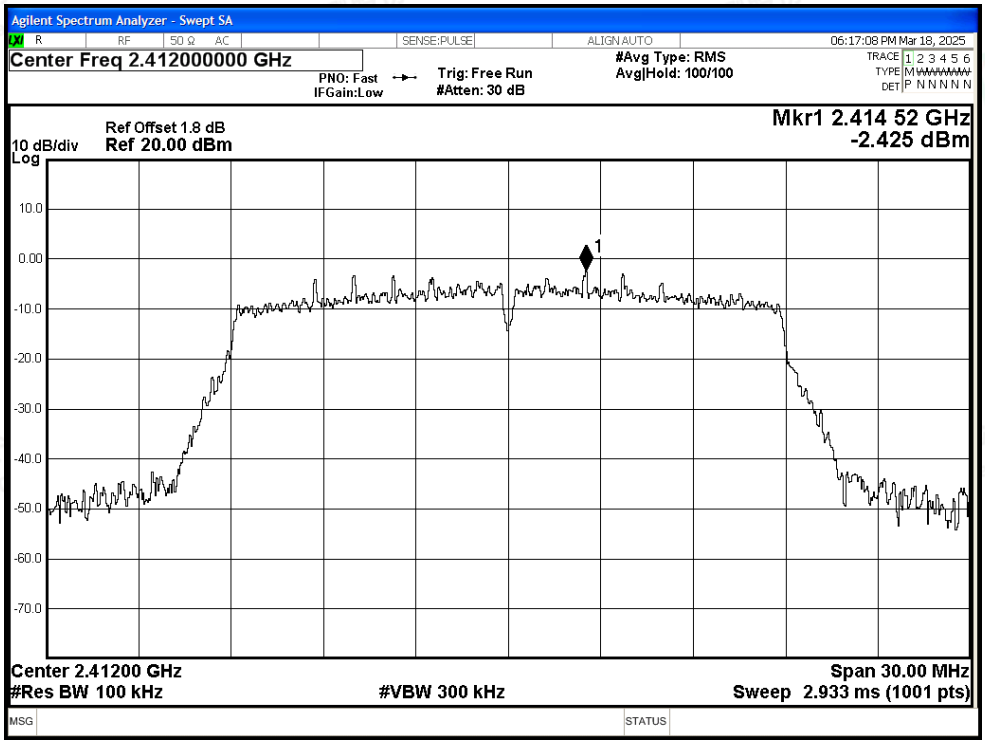
Tx. Spurious NVNT g 2462MHz Ant Ref



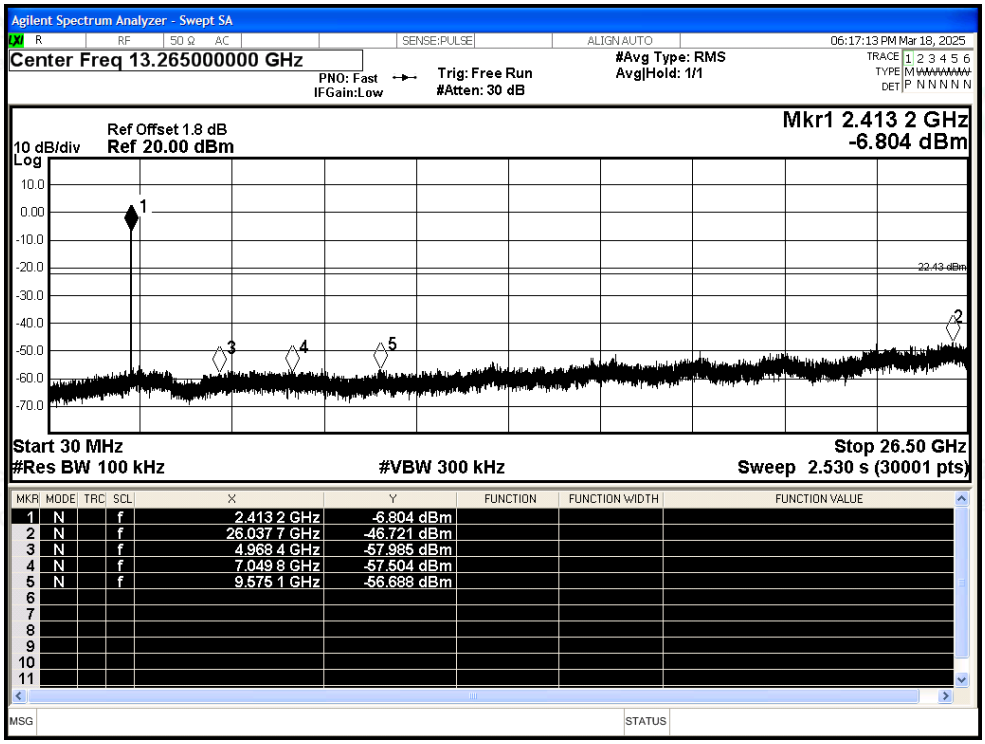
Tx. Spurious NVNT g 2462MHz Ant Emission



Tx. Spurious NVNT n20 2412MHz Ant Ref

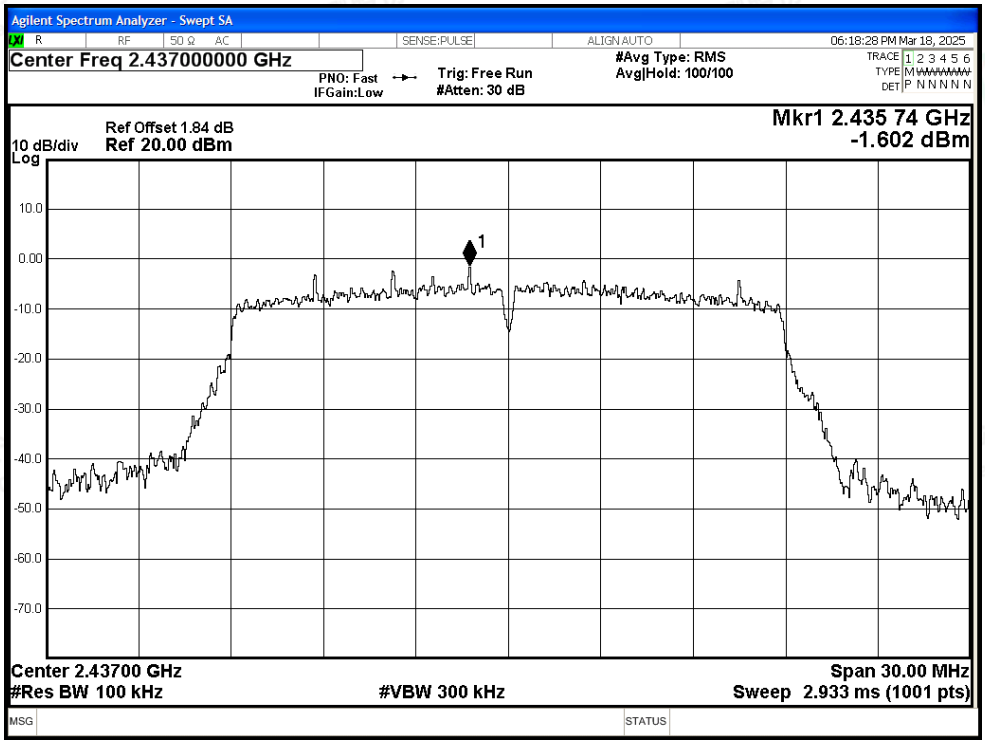


Tx. Spurious NVNT n20 2412MHz Ant Emission



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	2.413 2 GHz	-6.804 dBm			
2	N		f	26.037 7 GHz	-46.721 dBm			
3	N		f	4.968 4 GHz	-57.985 dBm			
4	N		f	7.049 8 GHz	-57.504 dBm			
5	N		f	9.575 1 GHz	-56.688 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT n20 2437MHz Ant Ref



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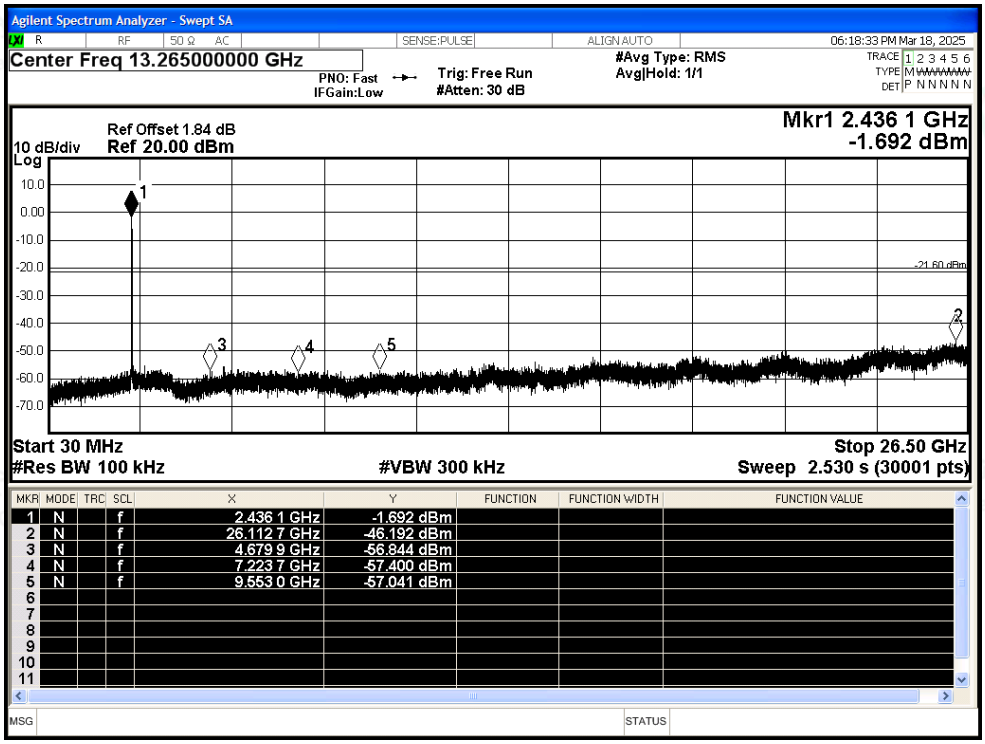
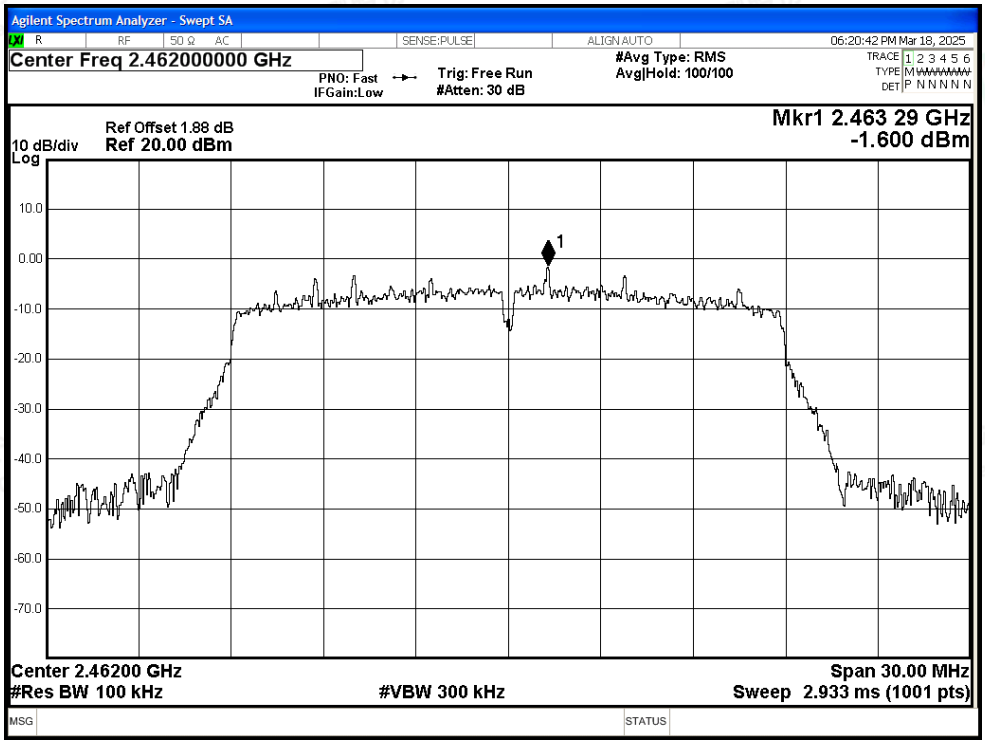


Tx. Spurious NVNT n20 2462MHz Ant Ref



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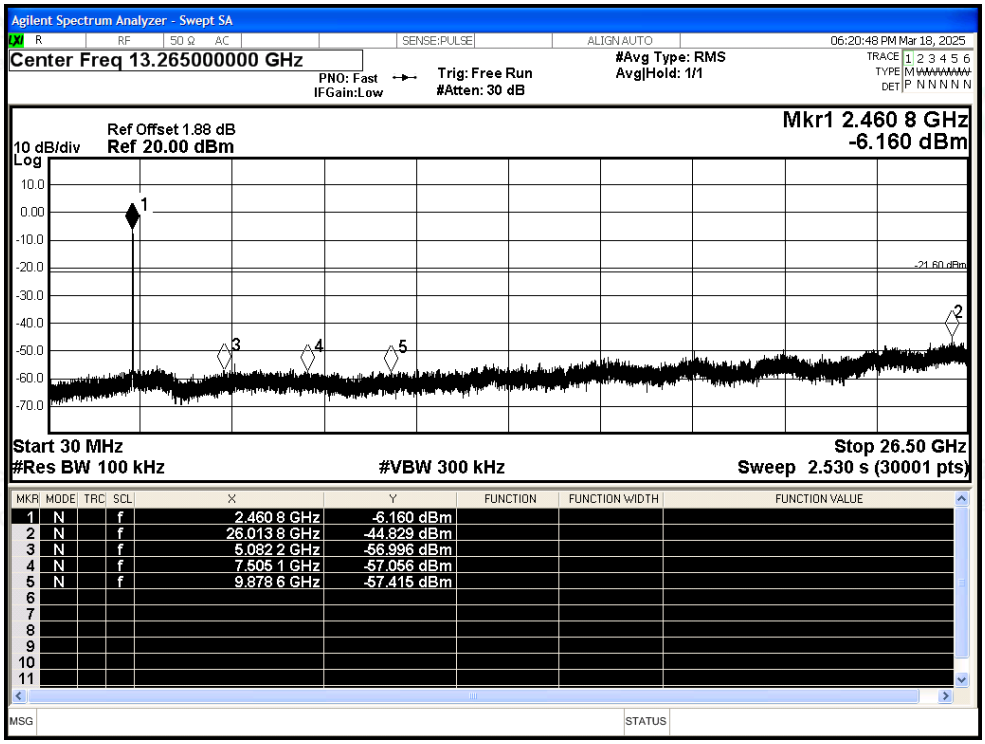
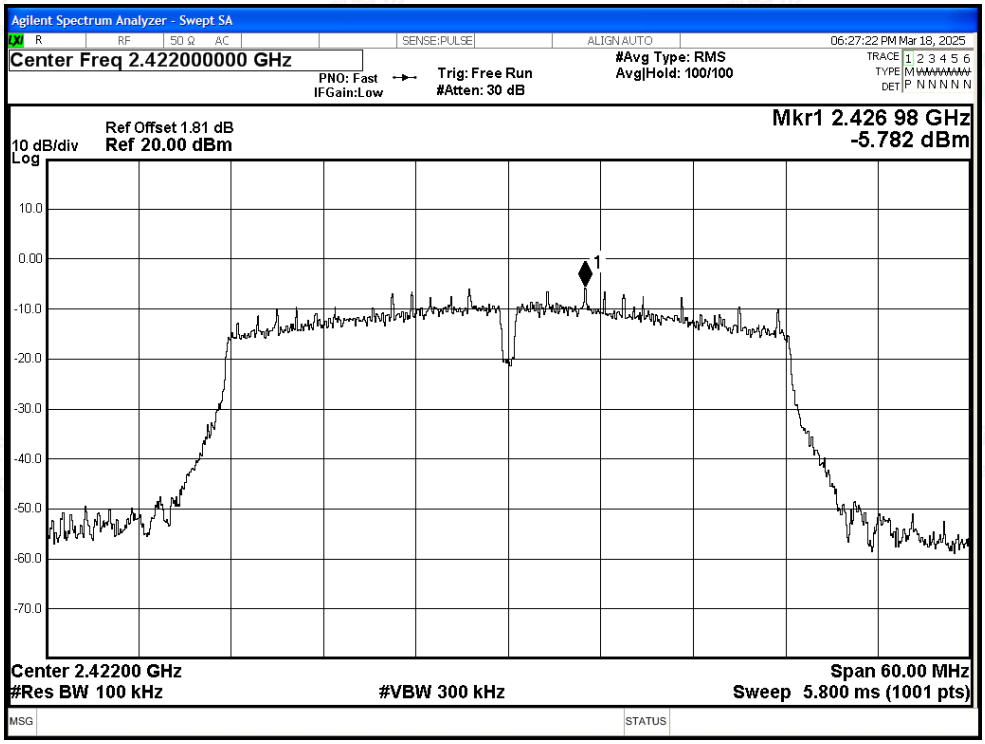


Tx. Spurious NVNT n40 2422MHz Ant Ref



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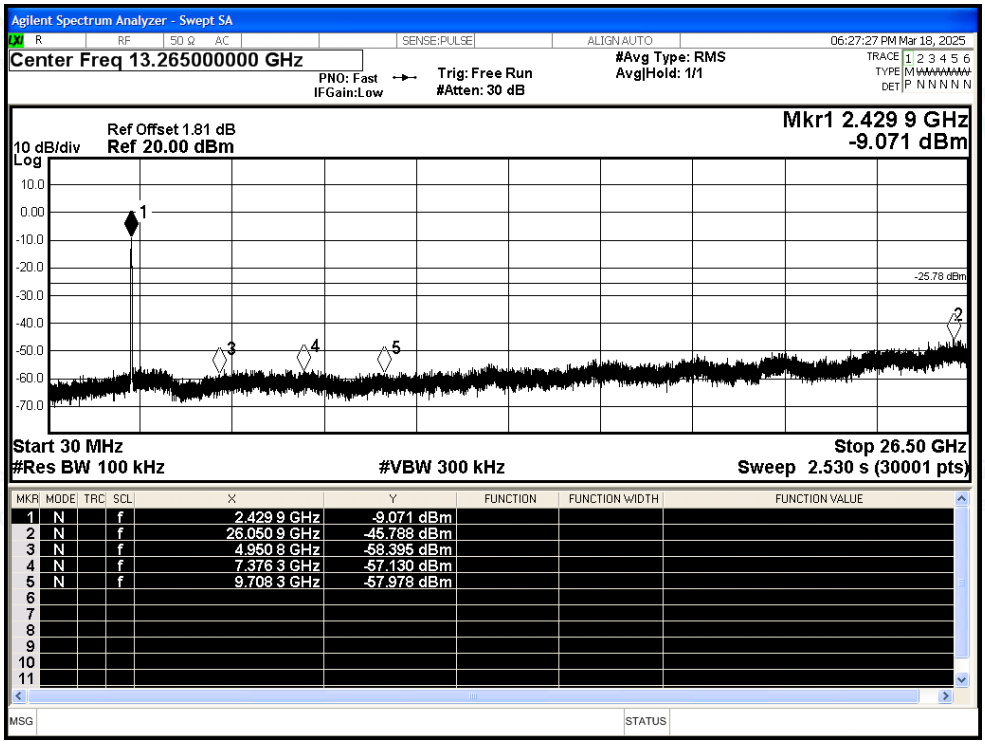

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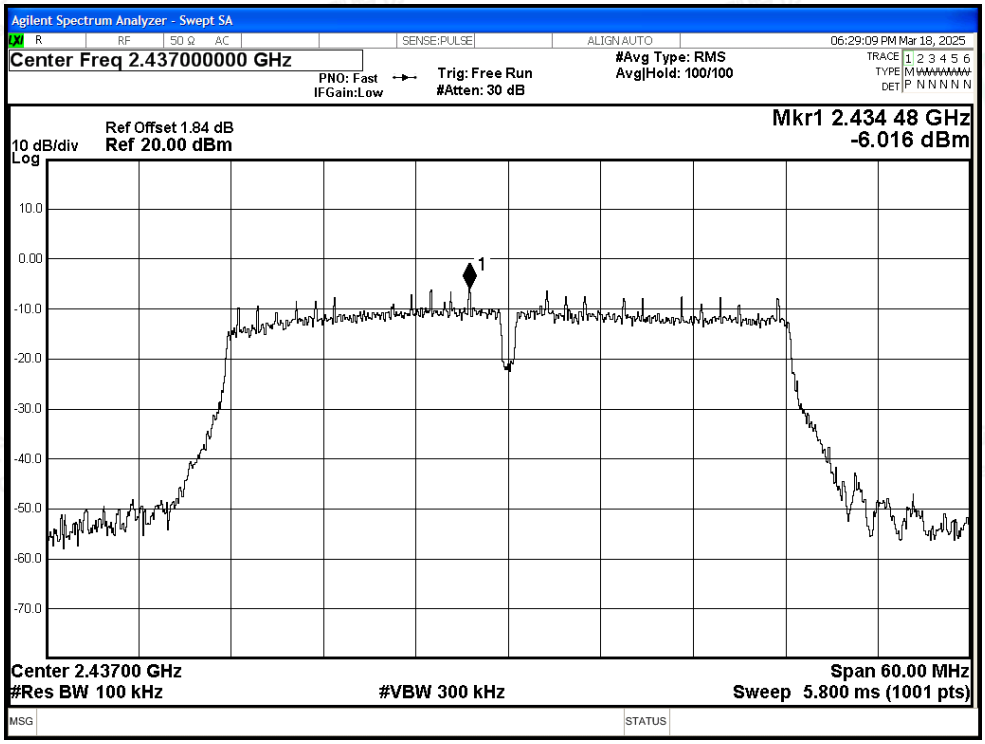

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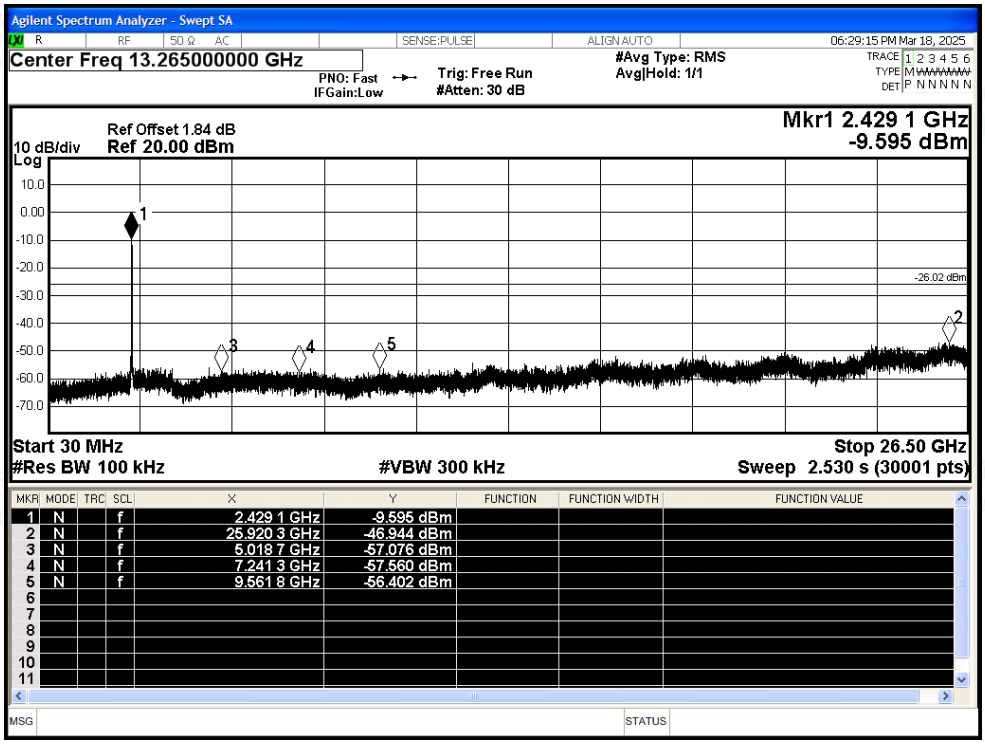
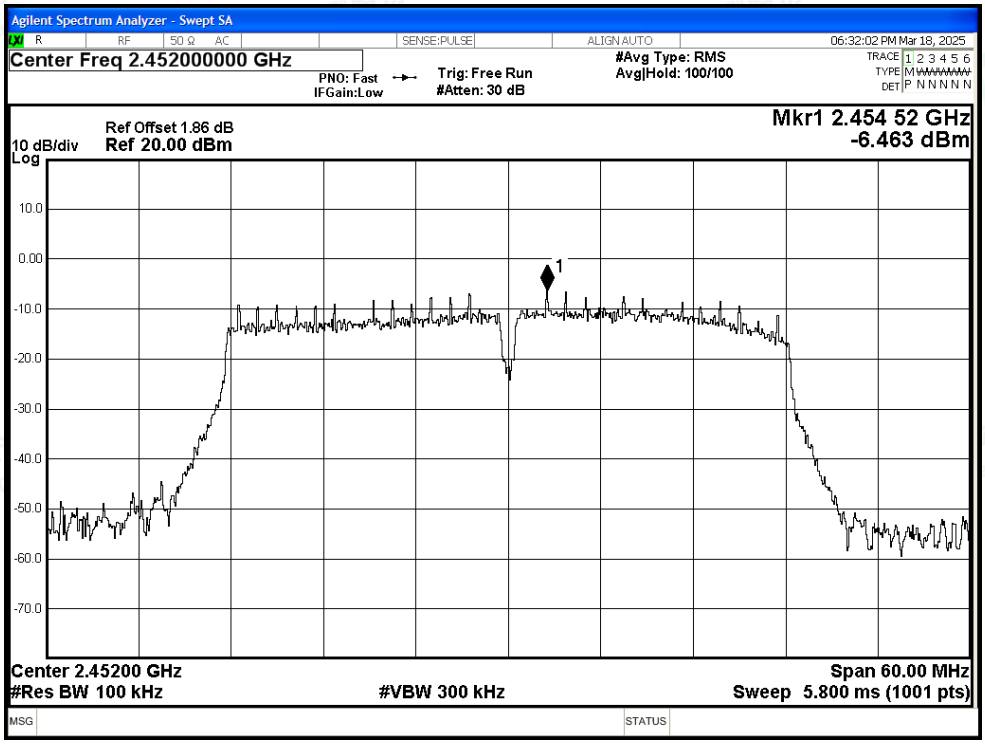
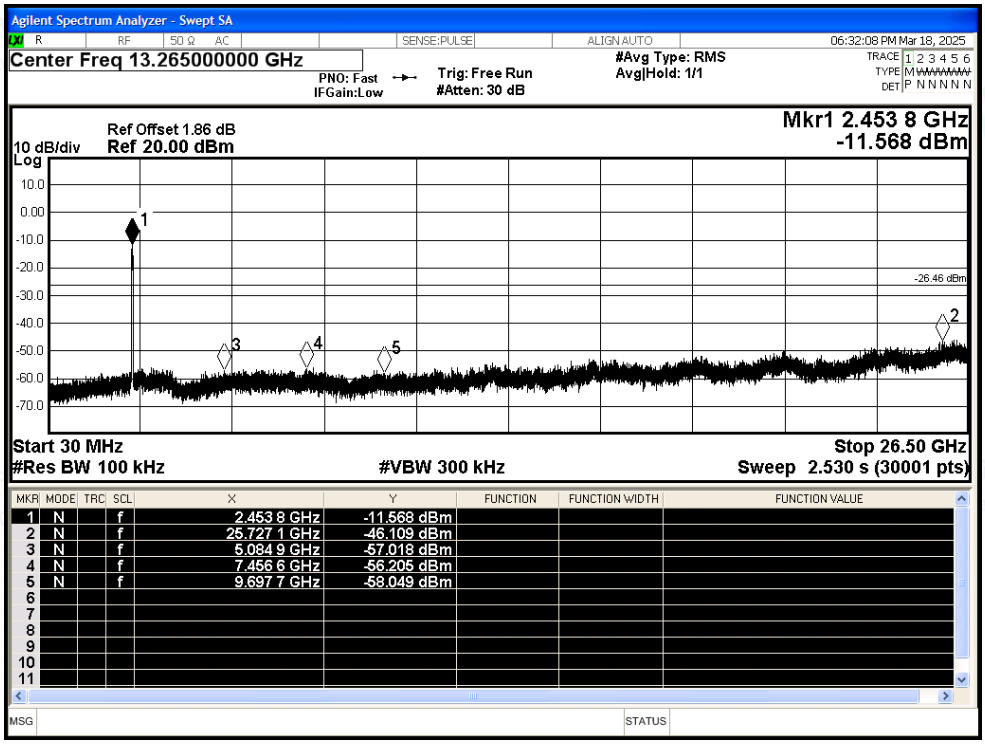


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	2.429 1 GHz	-9.595 dBm			
2	N		f	25.920 3 GHz	-46.944 dBm			
3	N		f	5.018 7 GHz	-57.076 dBm			
4	N		f	7.241 3 GHz	-57.560 dBm			
5	N		f	9.561 8 GHz	-56.402 dBm			
6								
7								
8								
9								
10								
11								

Tx. Spurious NVNT n40 2452MHz Ant Ref



Tx. Spurious NVNT n40 2452MHz Ant Emission



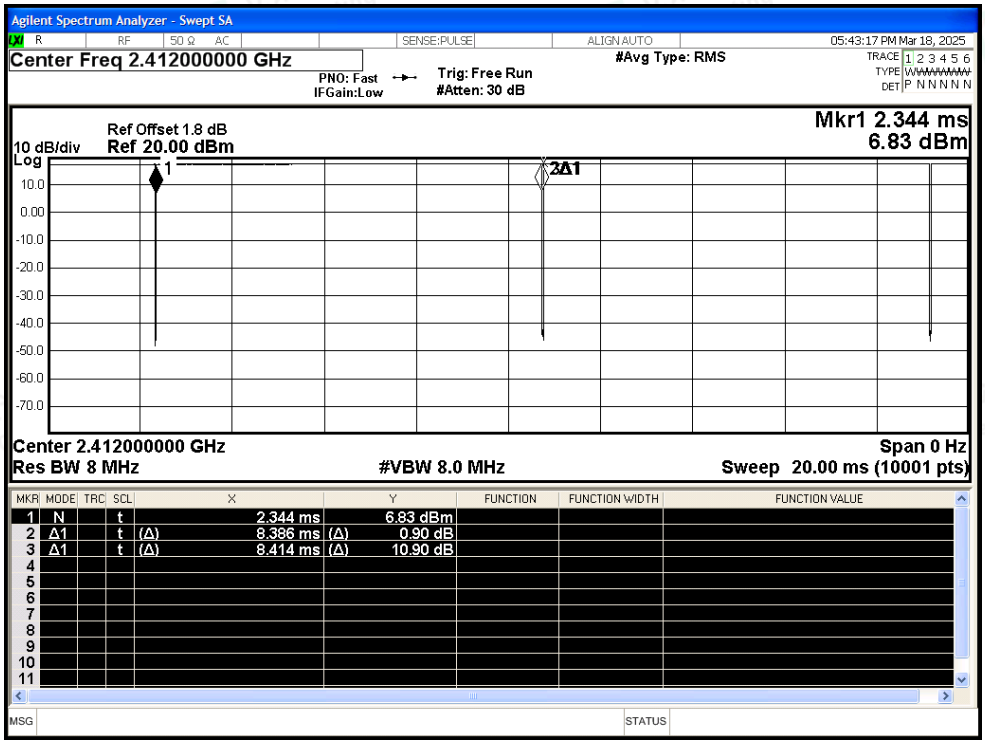
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	2.453 8 GHz	-11.568 dBm			
2	N		f	25.727 1 GHz	-46.109 dBm			
3	N		f	5.084 9 GHz	-57.018 dBm			
4	N		f	7.456 6 GHz	-56.205 dBm			
5	N		f	9.697 7 GHz	-58.049 dBm			
6								
7								
8								
9								
10								
11								

C.6 Duty Cycle

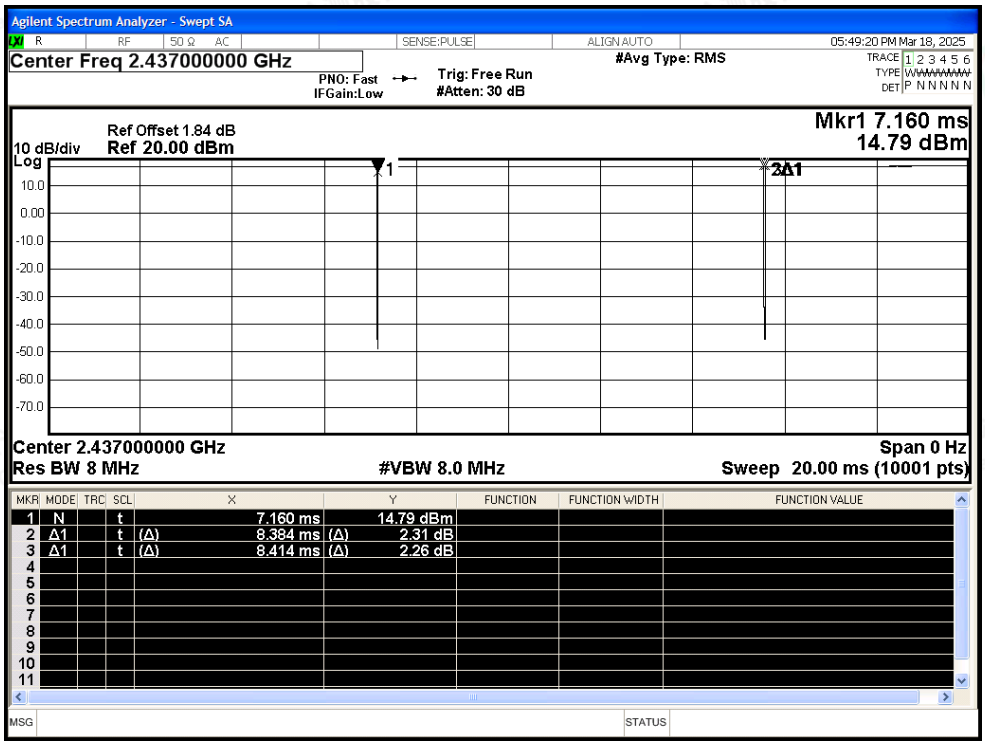
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	b	2412	Ant	99.67	0	0.12
NVNT	b	2437	Ant	99.64	0	0.12
NVNT	b	2462	Ant	99.67	0	0.12
NVNT	g	2412	Ant	97.51	0.11	0.72
NVNT	g	2437	Ant	97.51	0.11	0.72
NVNT	g	2462	Ant	97.51	0.11	0.72
NVNT	n20	2412	Ant	97.34	0.12	0.77
NVNT	n20	2437	Ant	97.34	0.12	0.77
NVNT	n20	2462	Ant	97.34	0.12	0.77
NVNT	n40	2422	Ant	94.95	0.23	1.54
NVNT	n40	2437	Ant	94.95	0.23	1.54
NVNT	n40	2452	Ant	94.95	0.23	1.54

Test Graphs

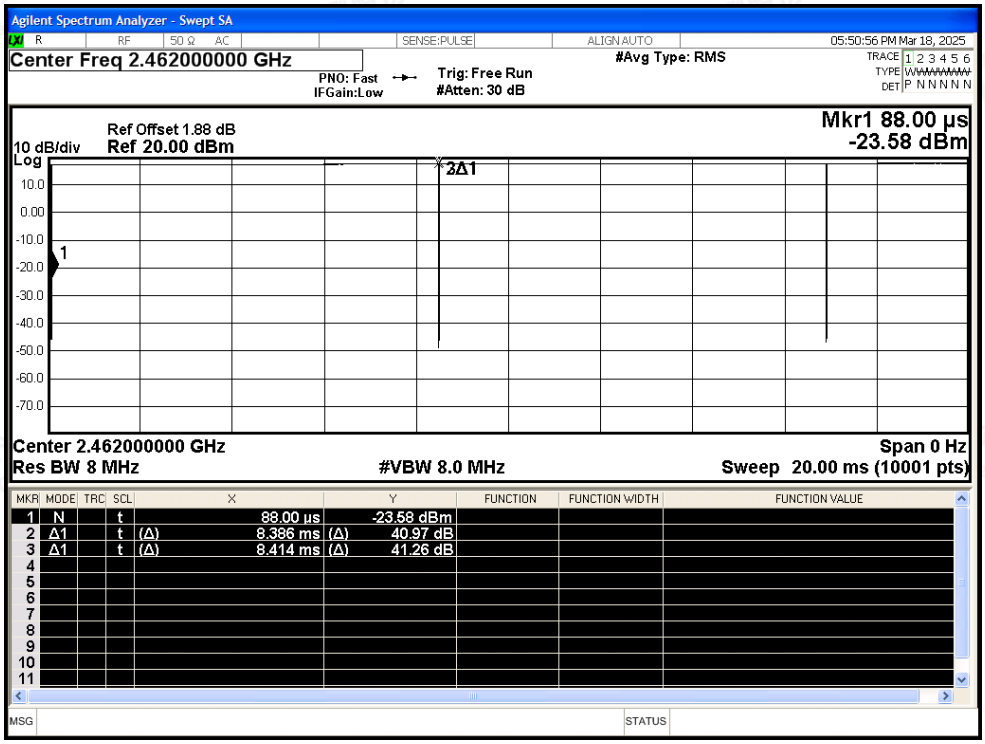
Duty Cycle NVNT b 2412MHz Ant



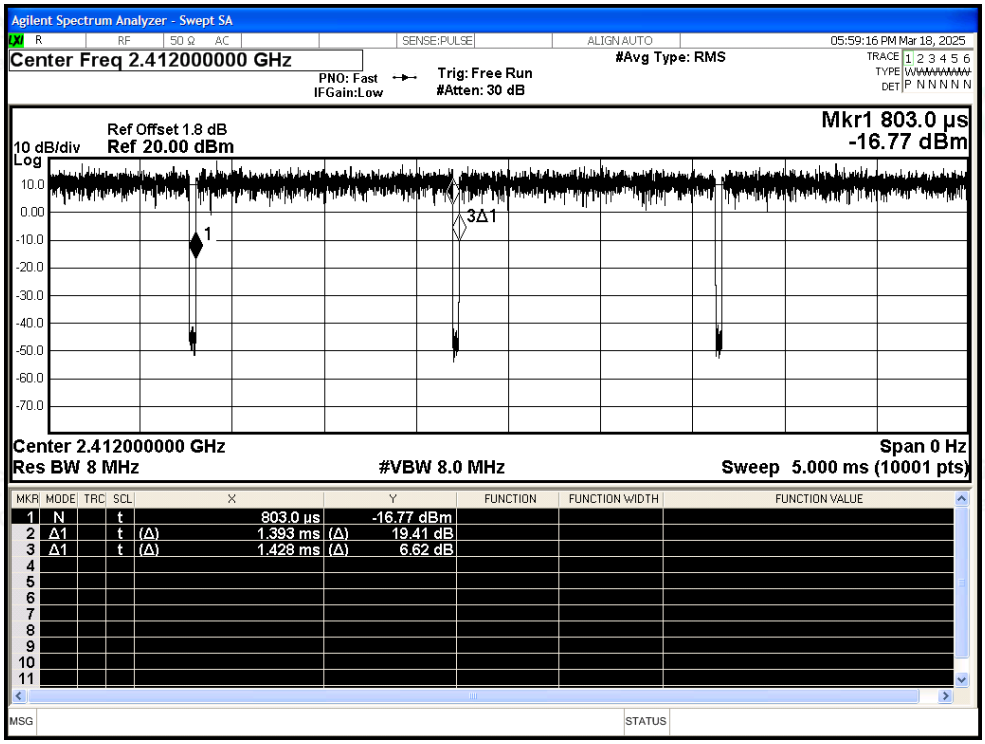
Duty Cycle NVNT b 2437MHz Ant



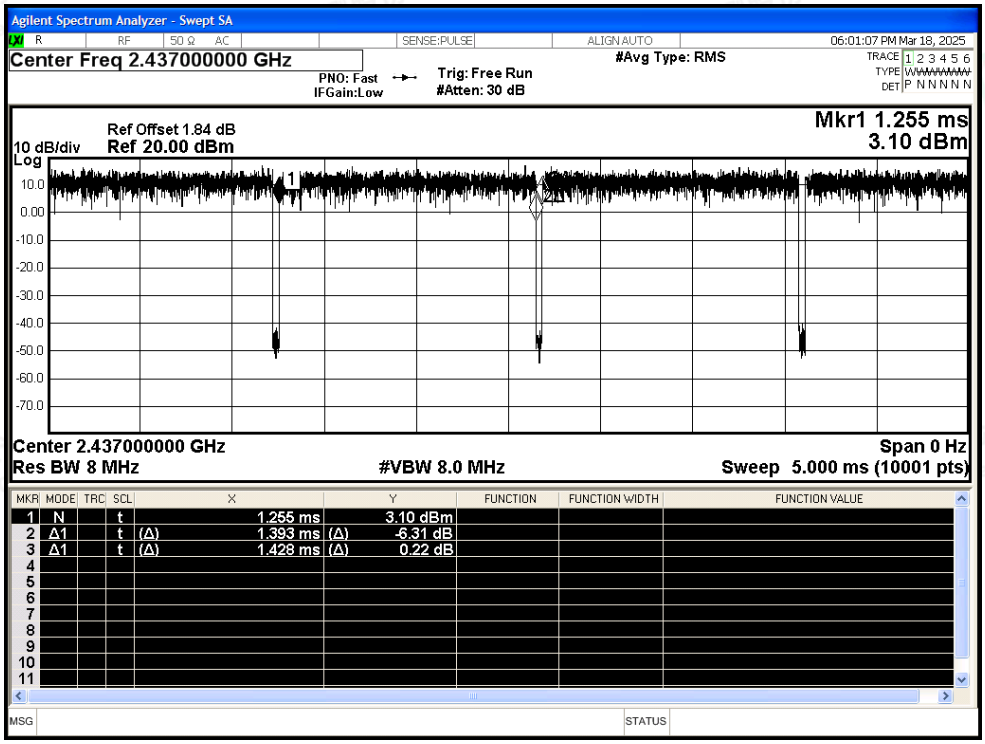
Duty Cycle NVNT b 2462MHz Ant



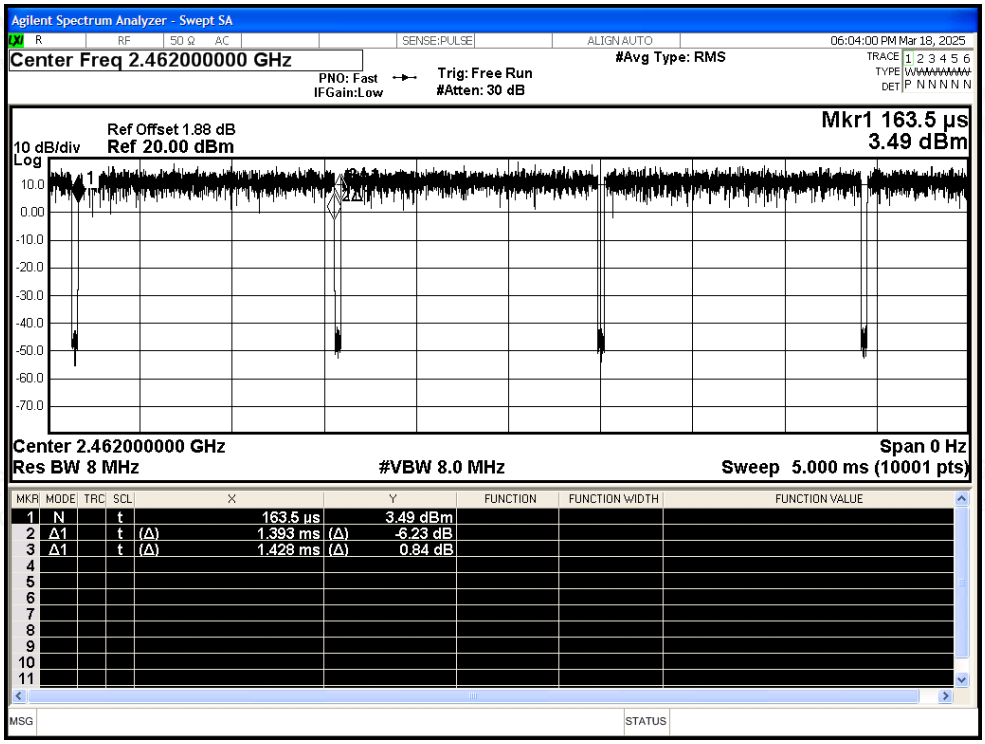
Duty Cycle NVNT g 2412MHz Ant



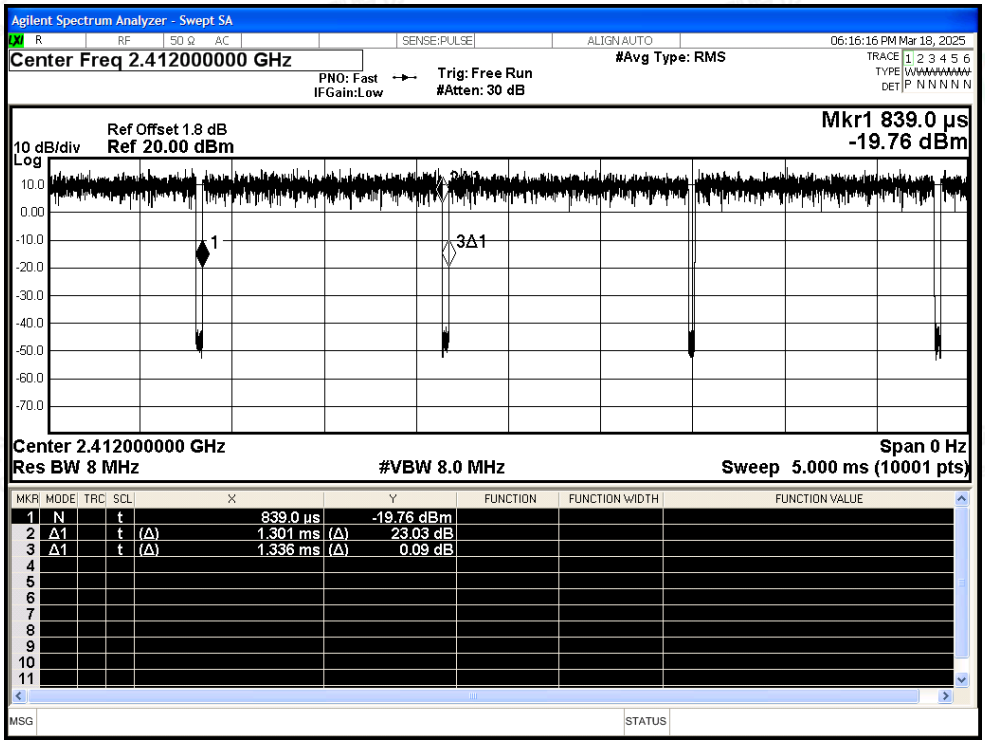
Duty Cycle NVNT g 2437MHz Ant



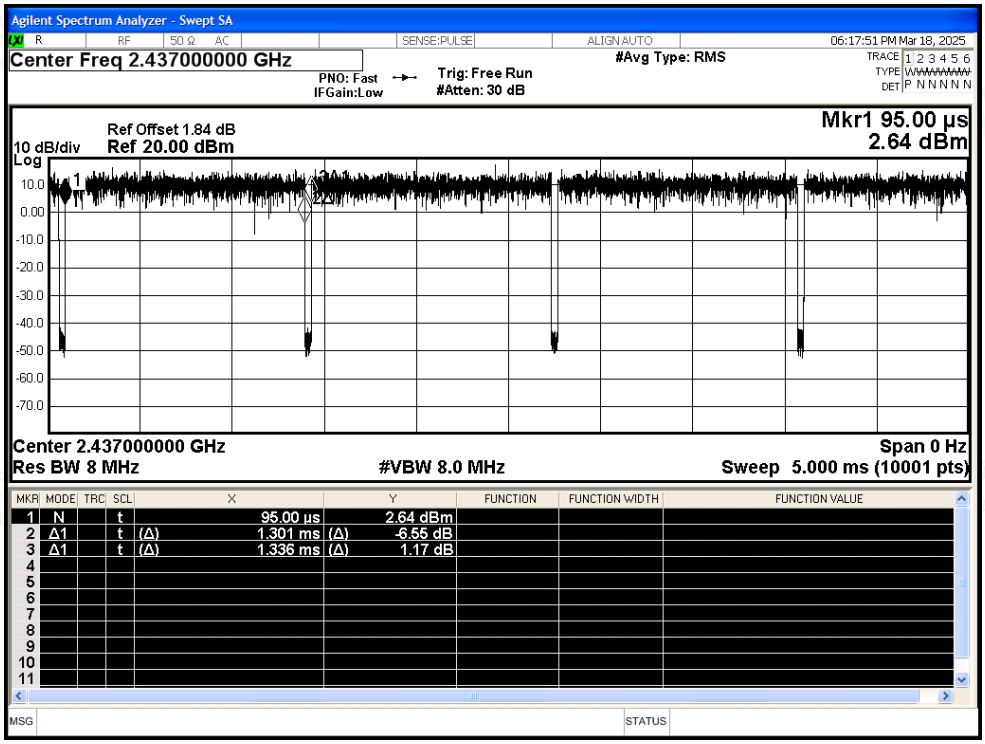
Duty Cycle NVNT g 2462MHz Ant



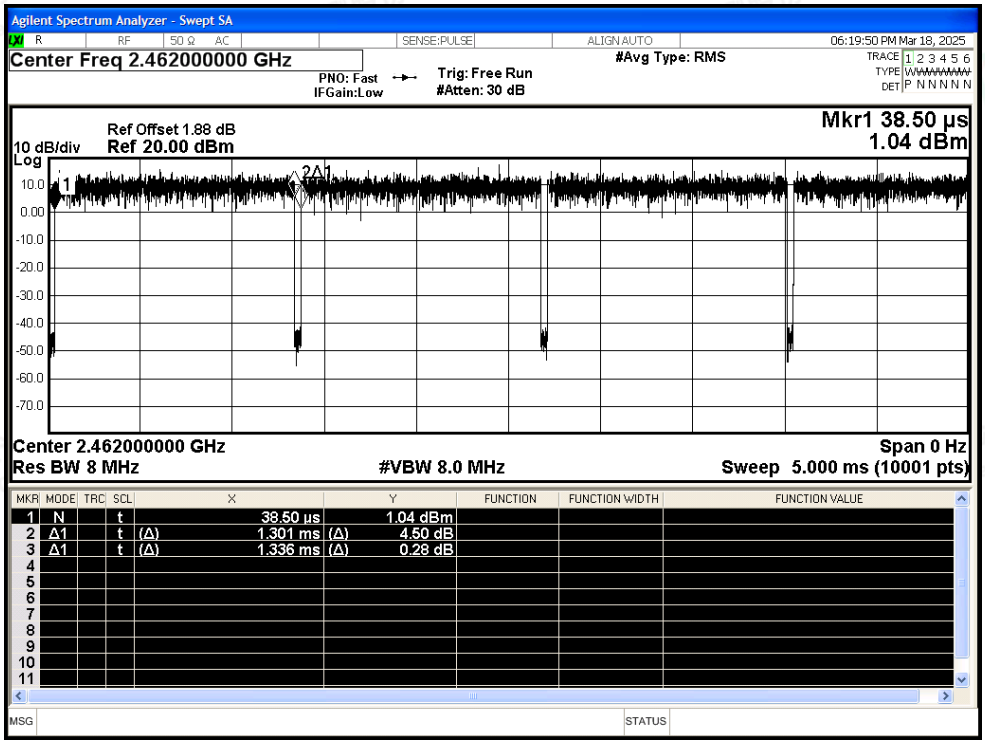
Duty Cycle NVNT n20 2412MHz Ant



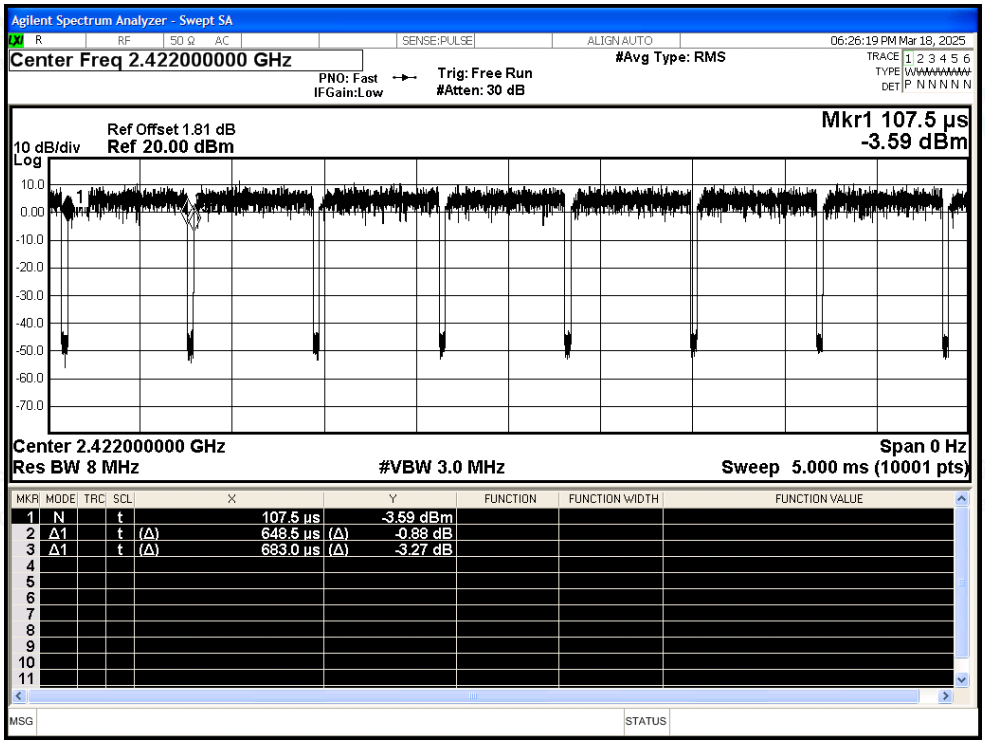
Duty Cycle NVNT n20 2437MHz Ant



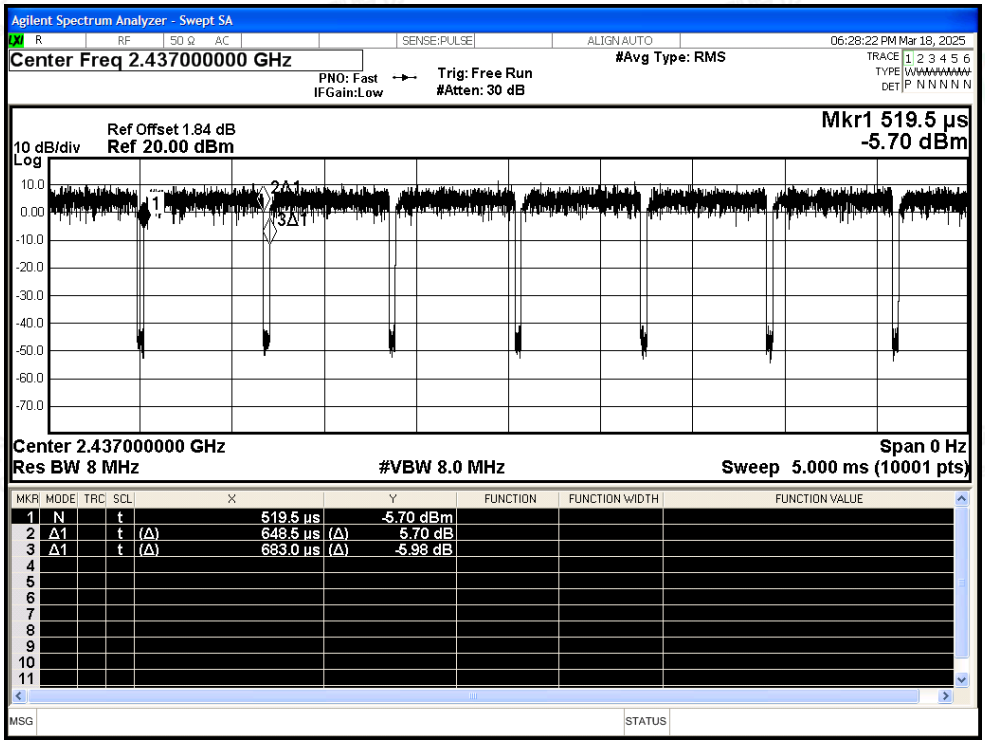
Duty Cycle NVNT n20 2462MHz Ant



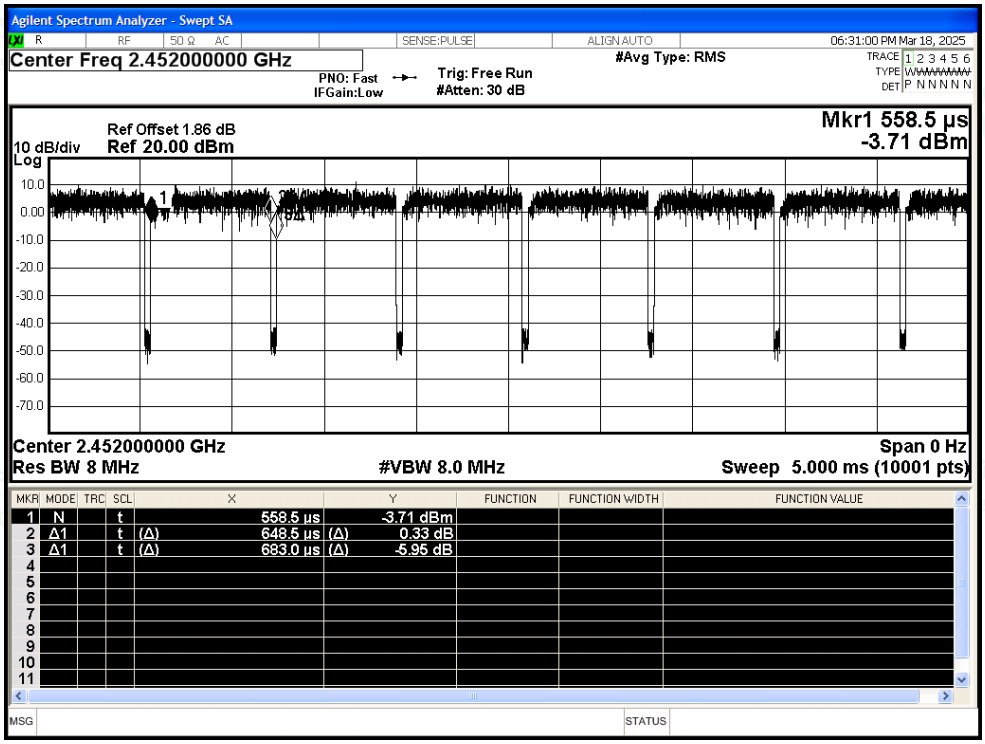
Duty Cycle NVNT n40 2422MHz Ant



Duty Cycle NVNT n40 2437MHz Ant



Duty Cycle NVNT n40 2452MHz Ant



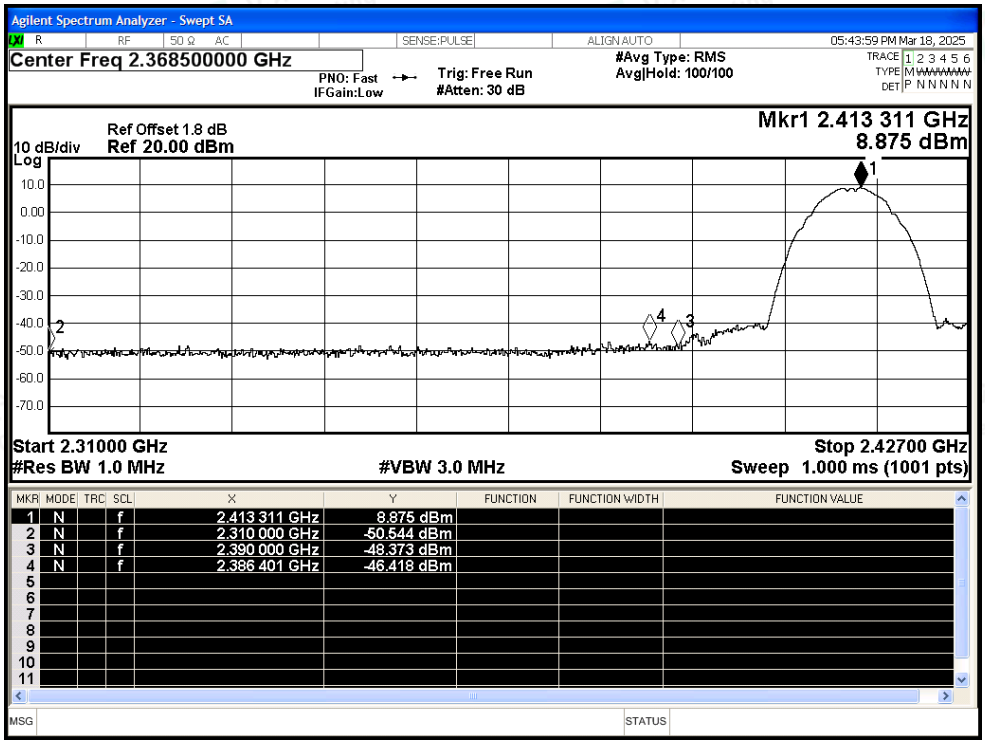
C.7 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	b	2412	Ant	2310	-50.54	2	-	46.72	Peak	74	Pass
NVNT	b	2412	Ant	2310	-59.24	2	0	38.02	Average	54	Pass
NVNT	b	2412	Ant	2386.401	-46.42	2	-	50.84	Peak	74	Pass
NVNT	b	2412	Ant	2387.22	-55.65	2	0	41.61	Average	54	Pass
NVNT	b	2412	Ant	2390	-48.37	2	-	48.89	Peak	74	Pass
NVNT	b	2412	Ant	2390	-56.29	2	0	40.97	Average	54	Pass
NVNT	b	2462	Ant	2483.5	-47.75	2	-	49.51	Peak	74	Pass
NVNT	b	2462	Ant	2483.5	-55.12	2	0	42.14	Average	54	Pass
NVNT	b	2462	Ant	2483.729	-46.33	2	-	50.93	Peak	74	Pass
NVNT	b	2462	Ant	2483.729	-54.93	2	0	42.33	Average	54	Pass
NVNT	b	2462	Ant	2500	-50.56	2	-	46.7	Peak	74	Pass
NVNT	b	2462	Ant	2500	-58.08	2	0	39.18	Average	54	Pass
NVNT	g	2412	Ant	2310	-50.03	2	-	47.23	Peak	74	Pass
NVNT	g	2412	Ant	2310	-59.36	2	0.11	38.01	Average	54	Pass
NVNT	g	2412	Ant	2389.794	-45.06	2	-	52.2	Peak	74	Pass
NVNT	g	2412	Ant	2389.677	-55.18	2	0.11	42.19	Average	54	Pass
NVNT	g	2412	Ant	2390	-47.74	2	-	49.52	Peak	74	Pass
NVNT	g	2412	Ant	2390	-55.43	2	0.11	41.94	Average	54	Pass
NVNT	g	2462	Ant	2483.5	-40.5	2	-	56.76	Peak	74	Pass
NVNT	g	2462	Ant	2483.5	-52.11	2	0.11	45.26	Average	54	Pass
NVNT	g	2462	Ant	2483.994	-37.36	2	-	59.9	Peak	74	Pass
NVNT	g	2462	Ant	2483.676	-51.04	2	0.11	46.33	Average	54	Pass
NVNT	g	2462	Ant	2500	-50.17	2	-	47.09	Peak	74	Pass
NVNT	g	2462	Ant	2500	-57.96	2	0.11	39.41	Average	54	Pass
NVNT	n20	2412	Ant	2310	-51.4	2	-	45.86	Peak	74	Pass
NVNT	n20	2412	Ant	2310	-59	2	0.12	38.38	Average	54	Pass
NVNT	n20	2412	Ant	2389.443	-44.35	2	-	52.91	Peak	74	Pass
NVNT	n20	2412	Ant	2389.677	-55.12	2	0.12	42.26	Average	54	Pass
NVNT	n20	2412	Ant	2390	-48.19	2	-	49.07	Peak	74	Pass
NVNT	n20	2412	Ant	2390	-55.48	2	0.12	41.9	Average	54	Pass
NVNT	n20	2462	Ant	2483.5	-42.19	2	-	55.07	Peak	74	Pass
NVNT	n20	2462	Ant	2483.5	-53.55	2	0.12	43.83	Average	54	Pass
NVNT	n20	2462	Ant	2484.153	-35.81	2	-	61.45	Peak	74	Pass
NVNT	n20	2462	Ant	2483.941	-53.34	2	0.12	44.04	Average	54	Pass
NVNT	n20	2462	Ant	2500	-49.64	2	-	47.62	Peak	74	Pass
NVNT	n20	2462	Ant	2500	-58.13	2	0.12	39.25	Average	54	Pass
NVNT	n40	2422	Ant	2310	-51.56	2	-	45.7	Peak	74	Pass
NVNT	n40	2422	Ant	2310	-58.47	2	0.23	39.02	Average	54	Pass

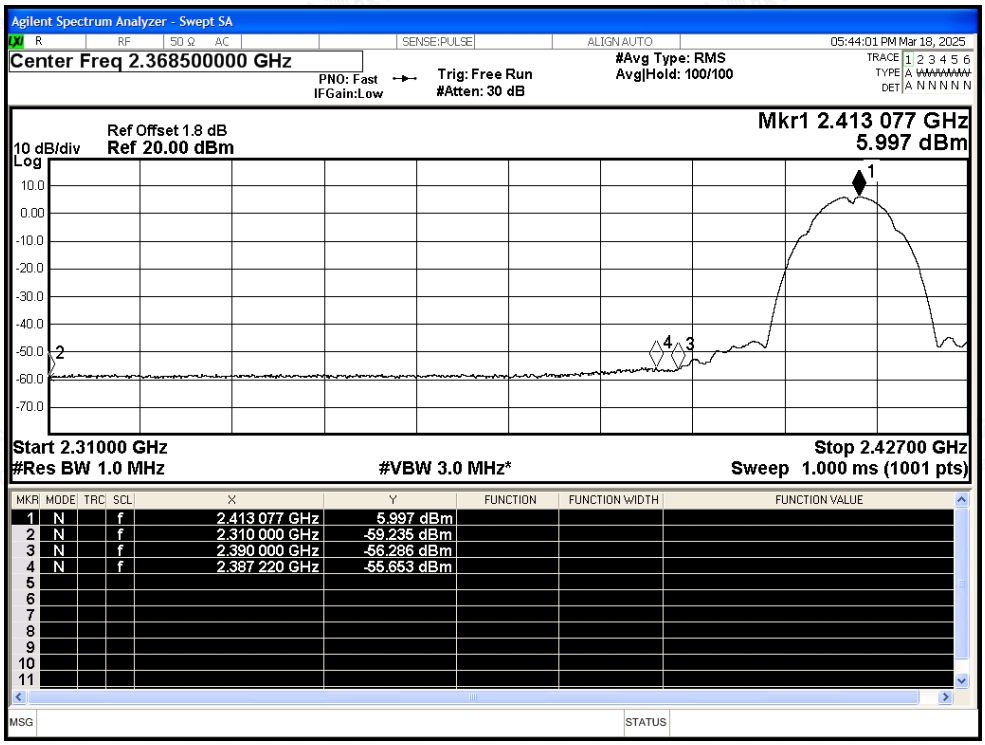
NVNT	n40	2422	Ant	2389.378	-38.2	2	-	59.06	Peak	74	Pass
NVNT	n40	2422	Ant	2389.804	-55.11	2	0.23	42.38	Average	54	Pass
NVNT	n40	2422	Ant	2390	-38.34	2	-	58.92	Peak	74	Pass
NVNT	n40	2422	Ant	2390	-55.47	2	0.23	42.02	Average	54	Pass
NVNT	n40	2452	Ant	2483.5	-47.78	2	-	49.48	Peak	74	Pass
NVNT	n40	2452	Ant	2483.5	-53.61	2	0.23	43.88	Average	54	Pass
NVNT	n40	2452	Ant	2484.01	-36.12	2	-	61.14	Peak	74	Pass
NVNT	n40	2452	Ant	2483.542	-54.83	2	0.23	42.66	Average	54	Pass
NVNT	n40	2452	Ant	2500	-50.54	2	-	46.72	Peak	74	Pass
NVNT	n40	2452	Ant	2500	-58.11	2	0.23	39.38	Average	54	Pass

Test Graphs

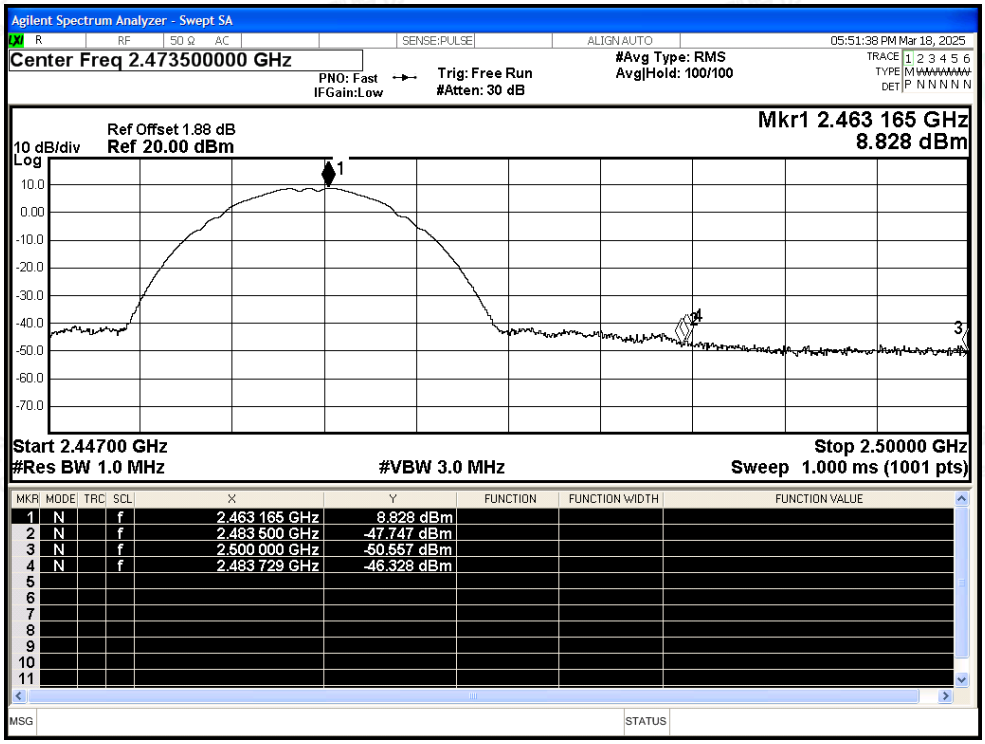
Restrict Band NVNT b 2412MHz Ant Peak



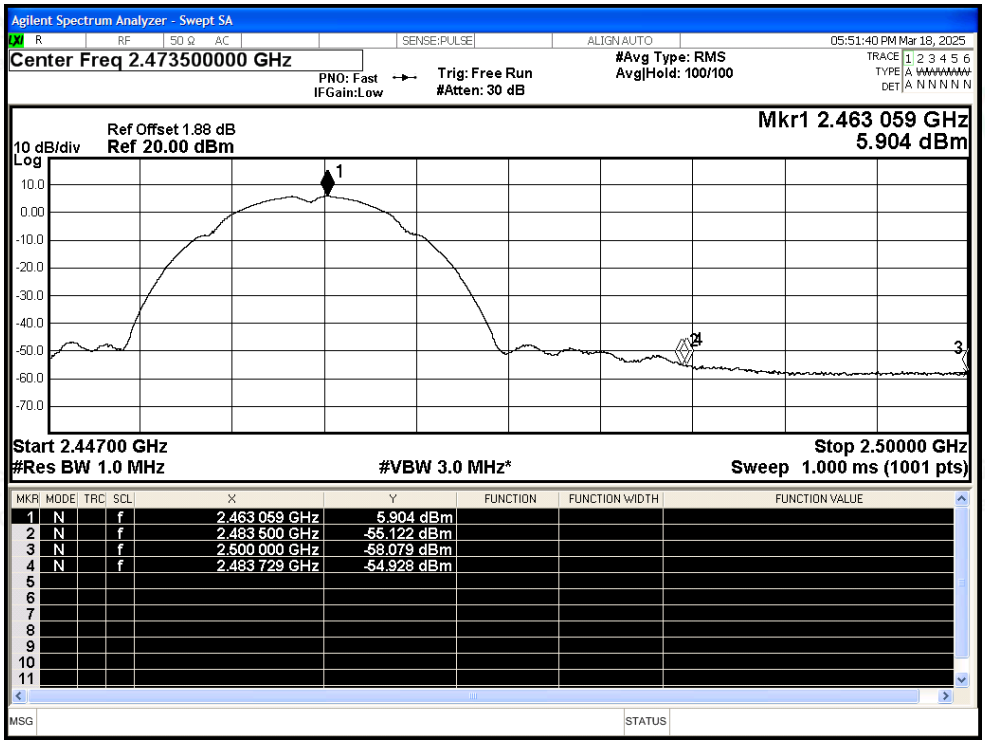
Restrict Band NVNT b 2412MHz Ant Average



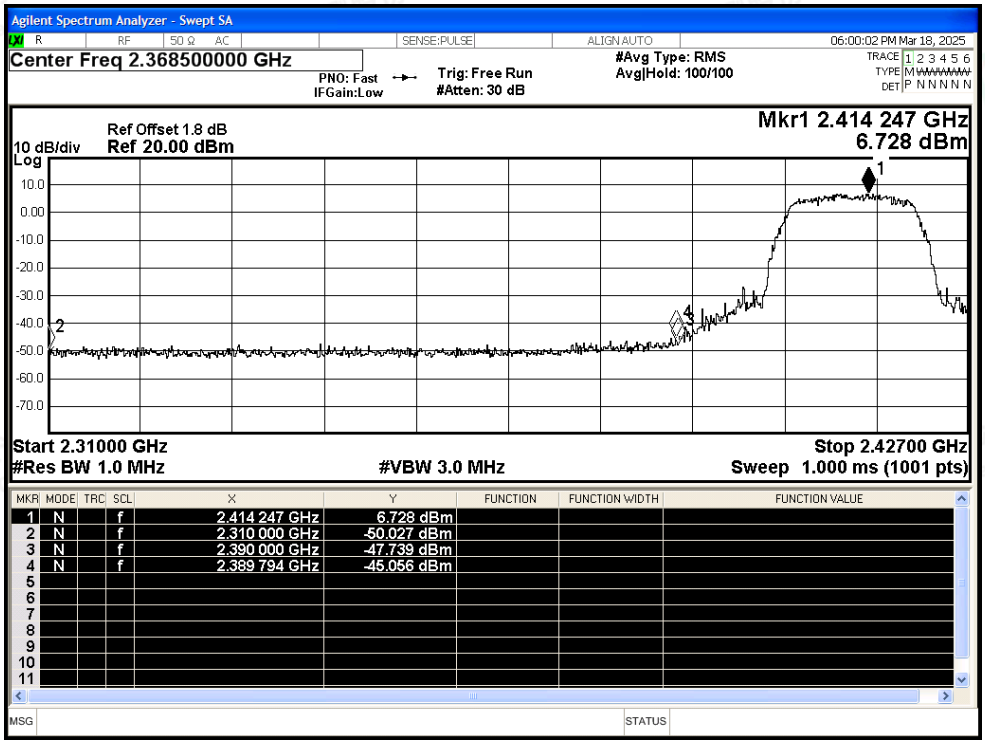
Restrict Band NVNT b 2462MHz Ant Peak



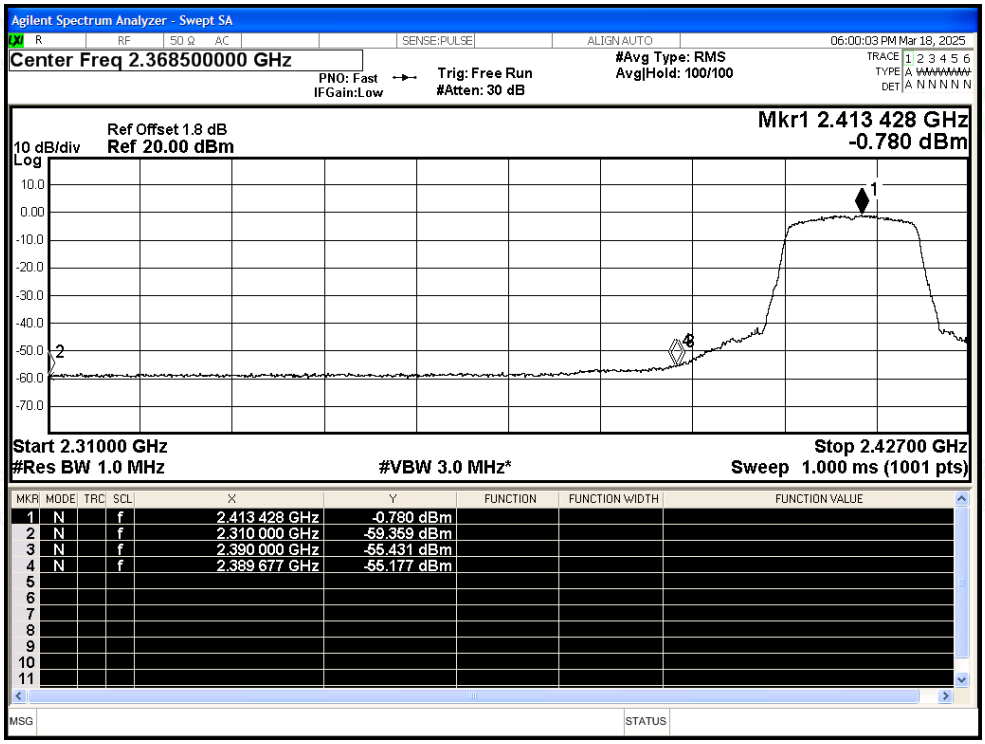
Restrict Band NVNT b 2462MHz Ant Average



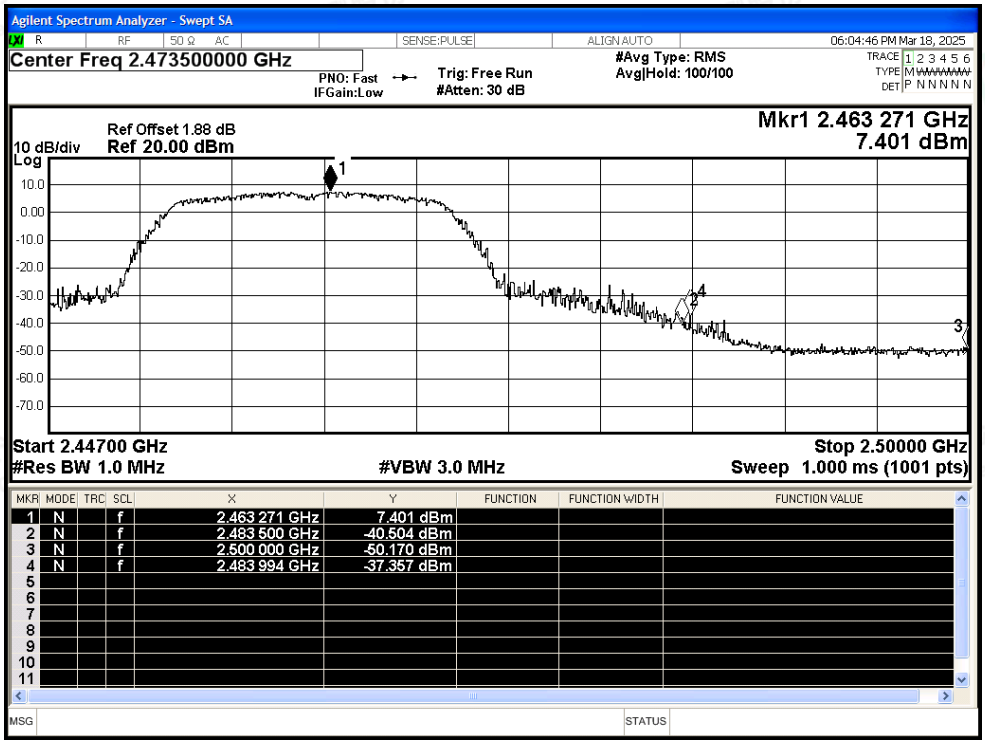
Restrict Band NVNT g 2412MHz Ant Peak



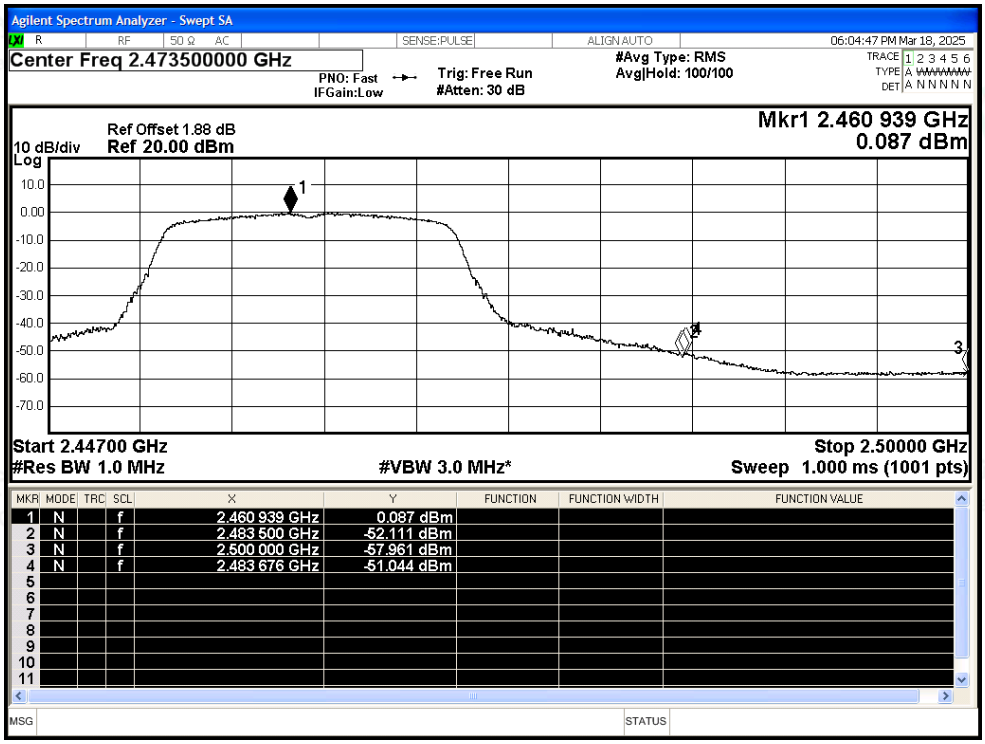
Restrict Band NVNT g 2412MHz Ant Average



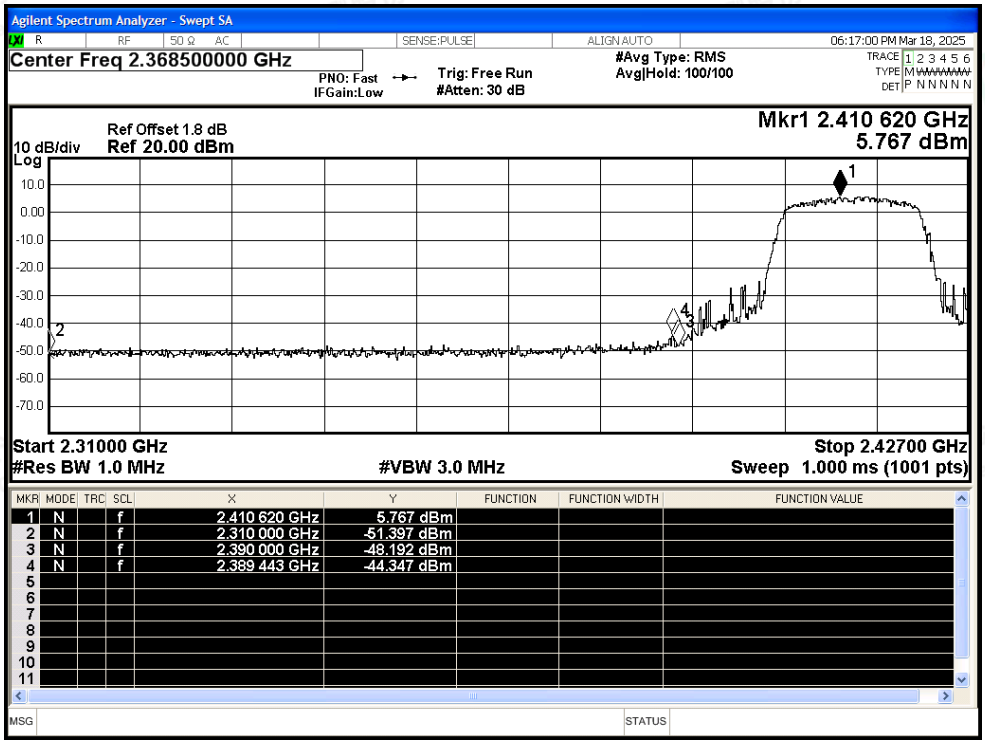
Restrict Band NVNT g 2462MHz Ant Peak



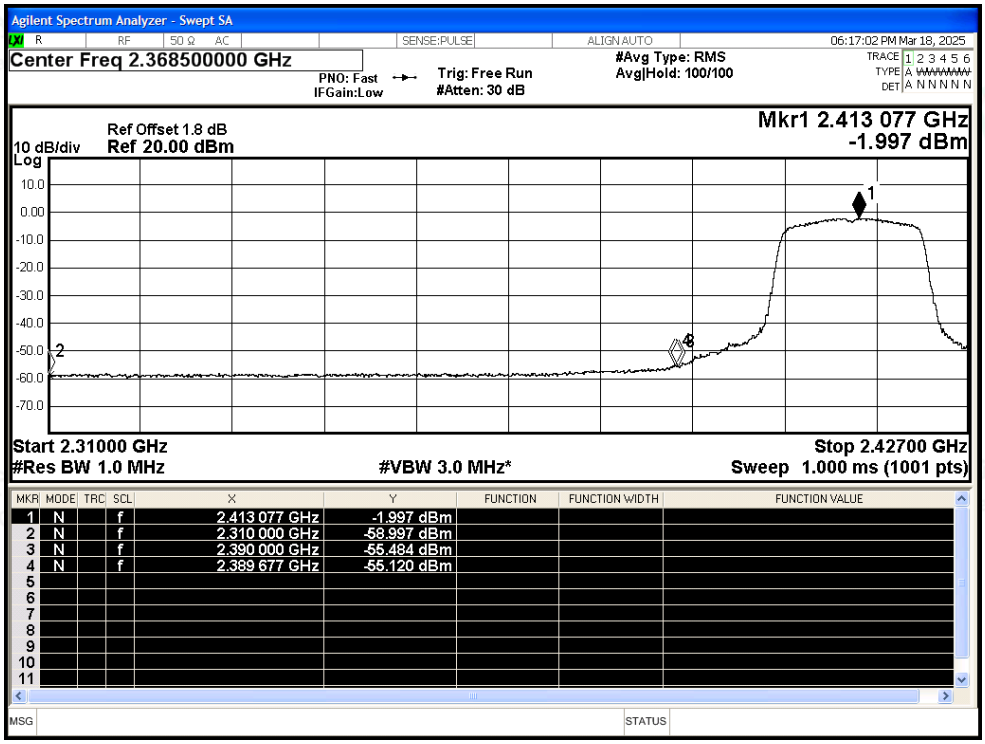
Restrict Band NVNT g 2462MHz Ant Average



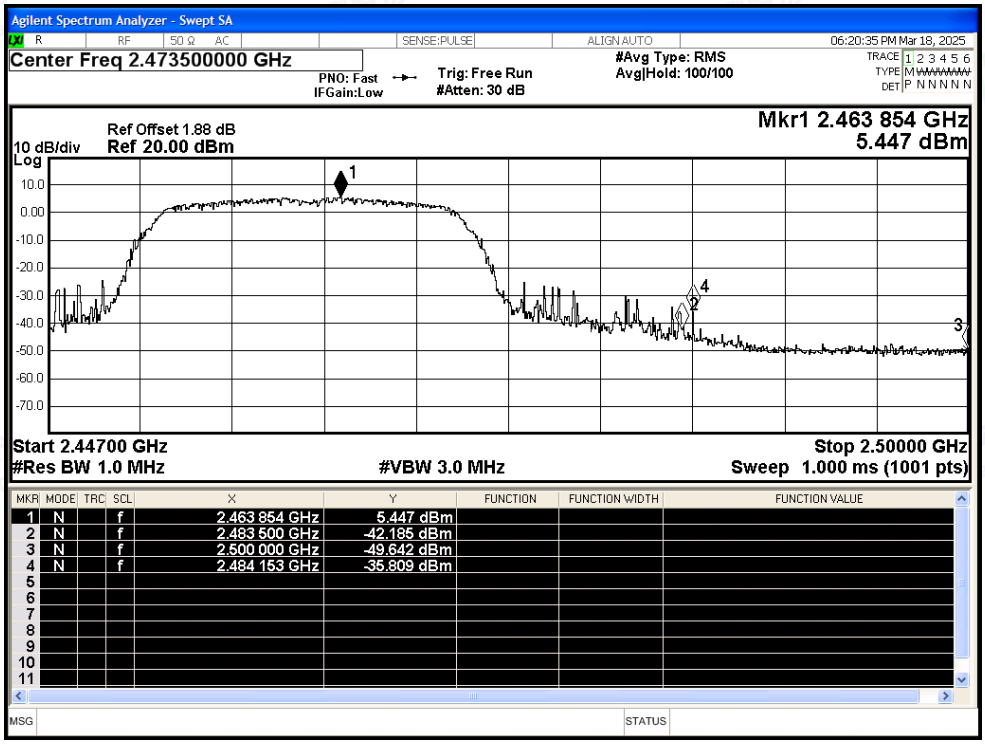
Restrict Band NVNT n20 2412MHz Ant Peak



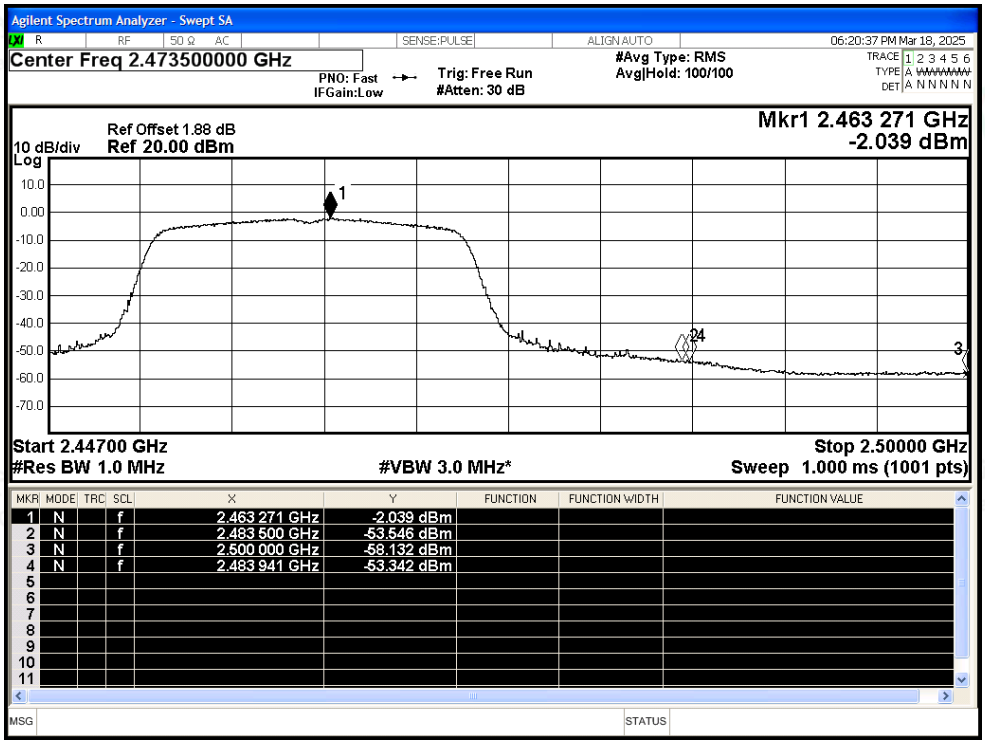
Restrict Band NVNT n20 2412MHz Ant Average



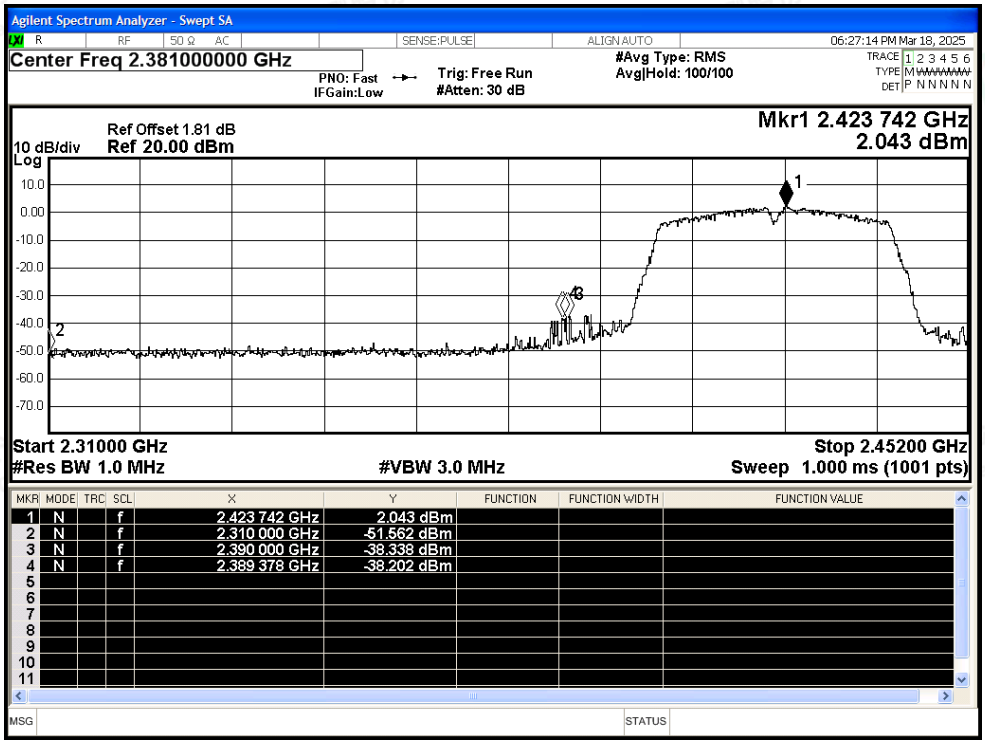
Restrict Band NVNT n20 2462MHz Ant Peak



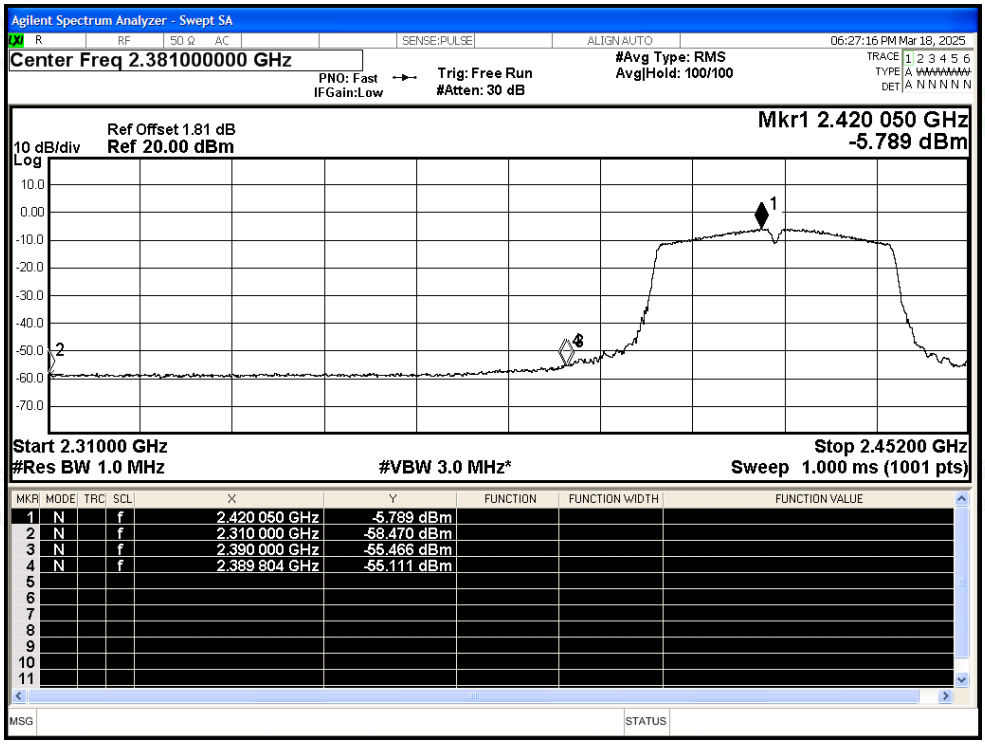
Restrict Band NVNT n20 2462MHz Ant Average



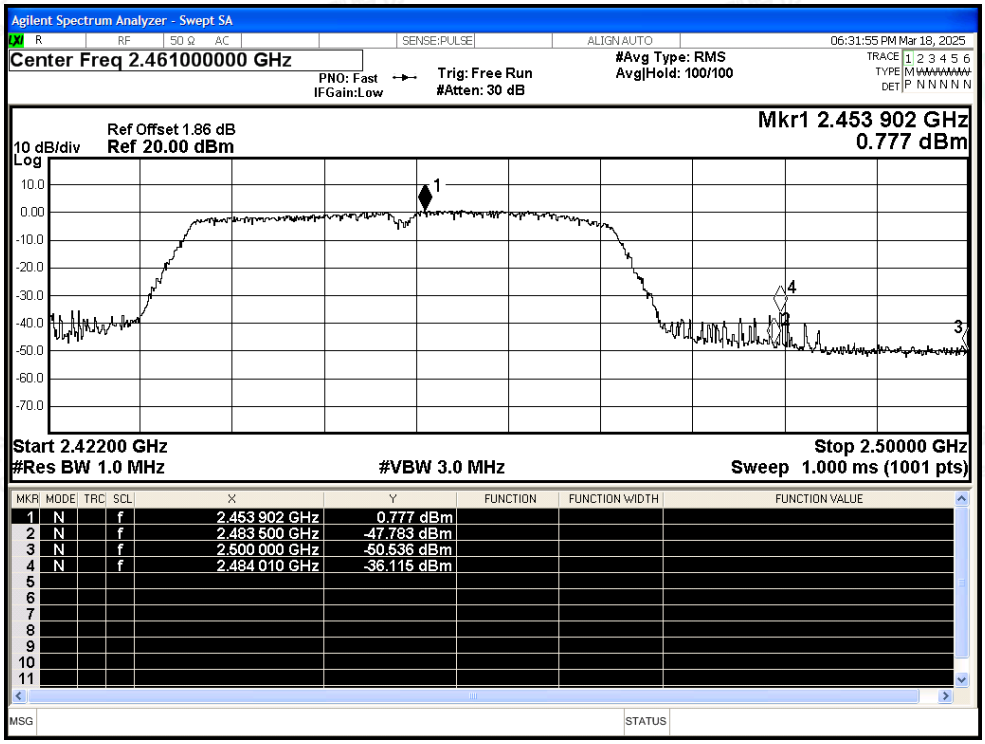
Restrict Band NVNT n40 2422MHz Ant Peak



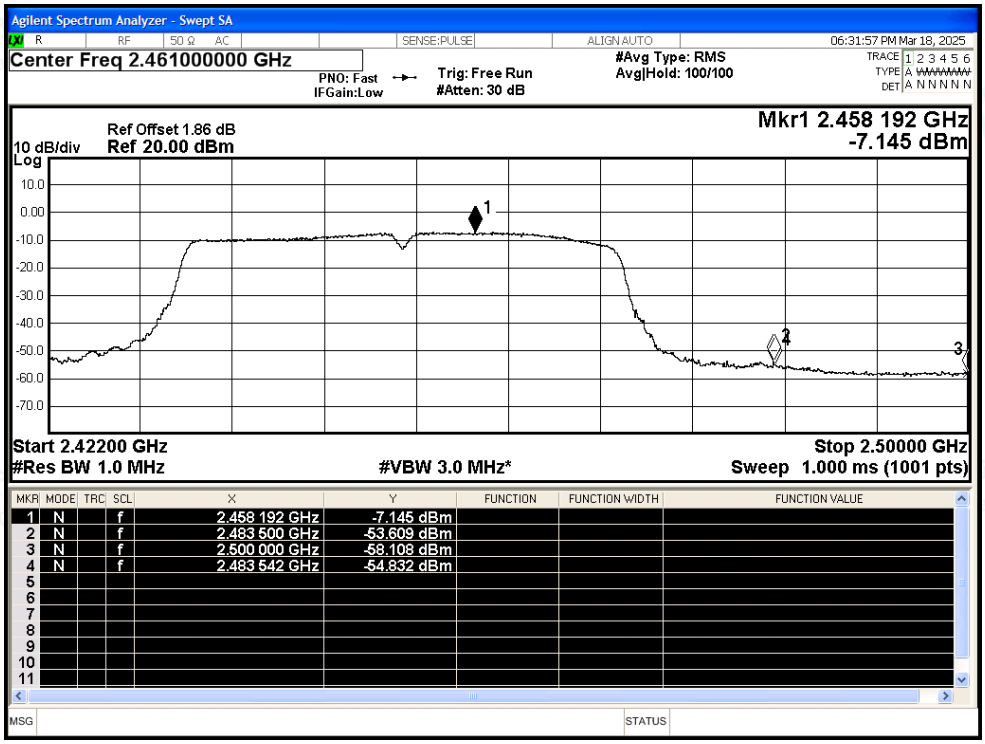
Restrict Band NVNT n40 2422MHz Ant Average



Restrict Band NVNT n40 2452MHz Ant Peak



Restrict Band NVNT n40 2452MHz Ant Average



Appendix D

Photographs

1. SAR measurement System
2. Photographs of Tissue Simulate Liquid
3. Photographs of EUT test position
4. EUT Constructional Details

1. SAR measurement System





2. Photographs of Tissue Simulate Liquid

Photo 1: Tissue Simulant Liquid for Head 700-3000Mhz	Photo 2: Tissue Simulant Liquid for Head 3000-8000Mhz
	

3. Photographs of EUT test position

Photo 3: Left touch cheek	Photo 4: Left tilted 15 degree

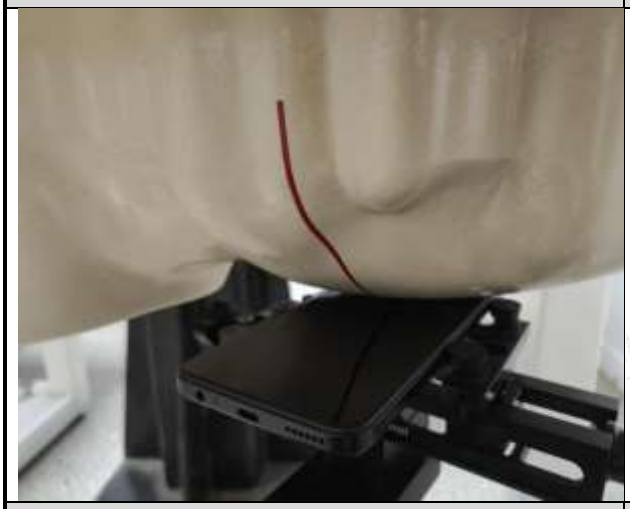



Photo 5: Right touch cheek	**Photo 6: Right tilted 15 degree**

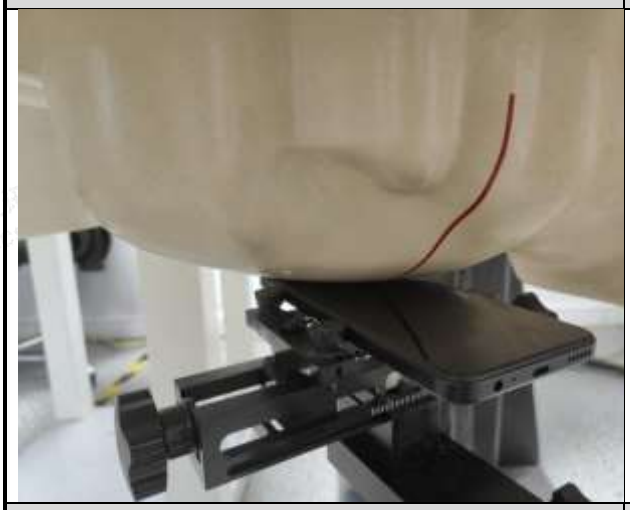
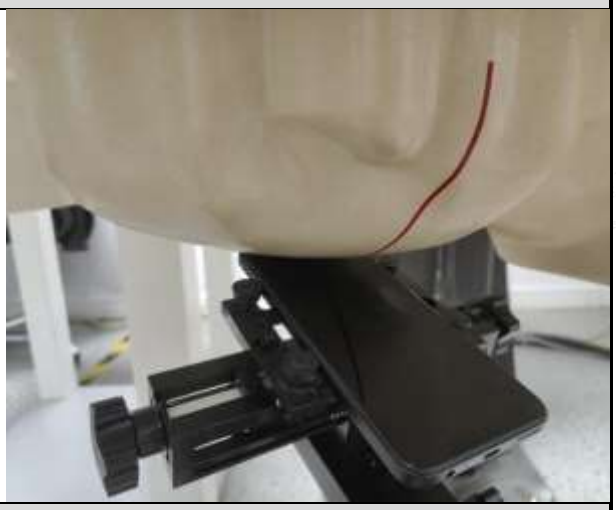

	

Photo 7: Front side 10mm	**Photo 8: Back side 10mm**
	

Photo 9: Left side 10mm	Photo 10: Right side 10mm
	
Photo 11: Top side 10mm	**Photo 12: Bottom side 10mm**
	

4. EUT Constructional Details

Photo 13: Front View	Photo 14: Back View
	

Appendix D

RF Test Data for 5.2GWIFI (Conducted Measurement)

Product Name: Smart Phone

Test Model: BraX3

Environmental Conditions

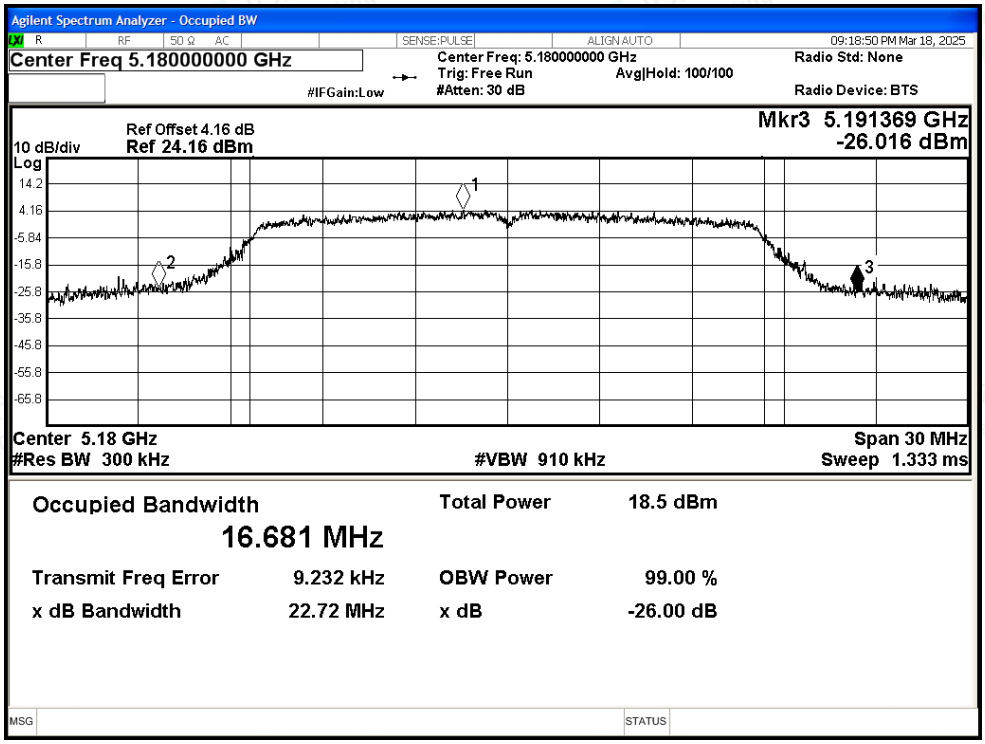
Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng

D.1 -26dB Bandwidth

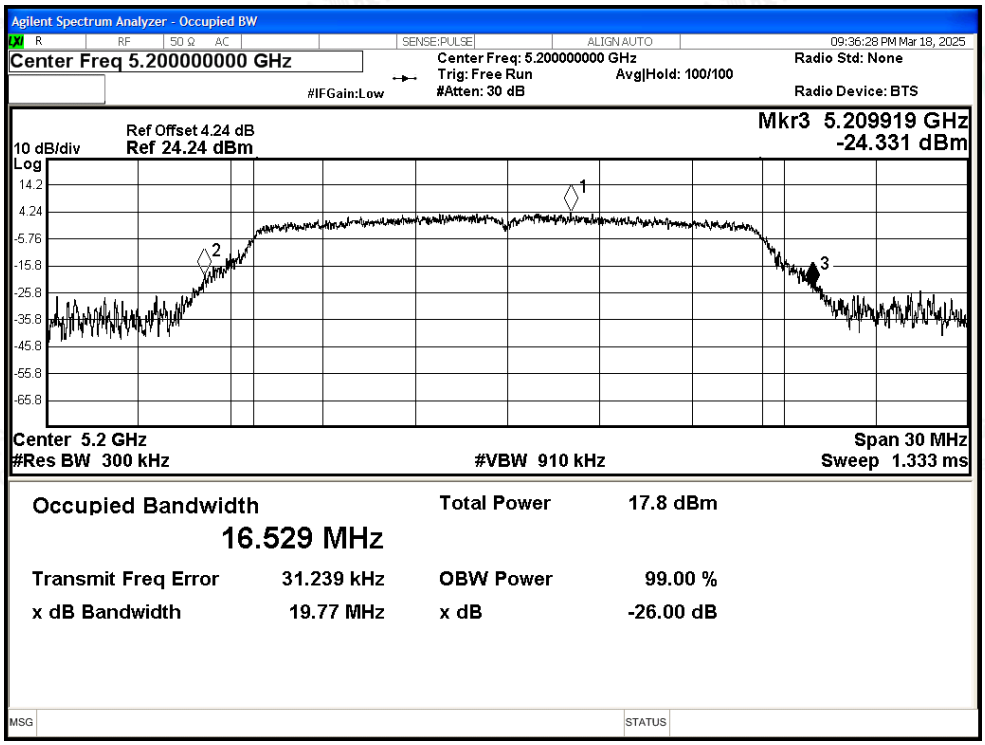
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant	22.719	---	Pass
NVNT	a	5200	Ant	19.775	---	Pass
NVNT	a	5240	Ant	23.564	---	Pass
NVNT	n20	5180	Ant	20.479	---	Pass
NVNT	n20	5200	Ant	20.256	---	Pass
NVNT	n20	5240	Ant	23.324	---	Pass
NVNT	n40	5190	Ant	40.827	---	Pass
NVNT	n40	5230	Ant	42.319	---	Pass
NVNT	ac20	5180	Ant	20.5	---	Pass
NVNT	ac20	5200	Ant	20.387	---	Pass
NVNT	ac20	5240	Ant	24.009	---	Pass
NVNT	ac40	5190	Ant	40.58	---	Pass
NVNT	ac40	5230	Ant	41.112	---	Pass
NVNT	ac80	5210	Ant	119.422	---	Pass

Test Graphs

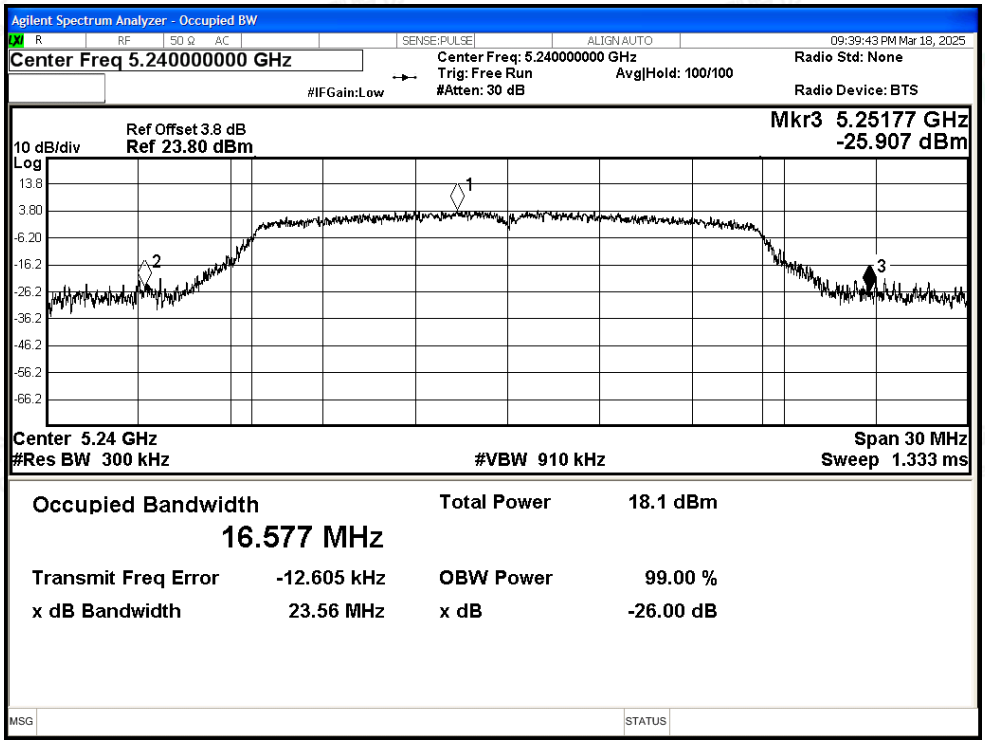
-26dB Bandwidth NVNT a 5180MHz Ant



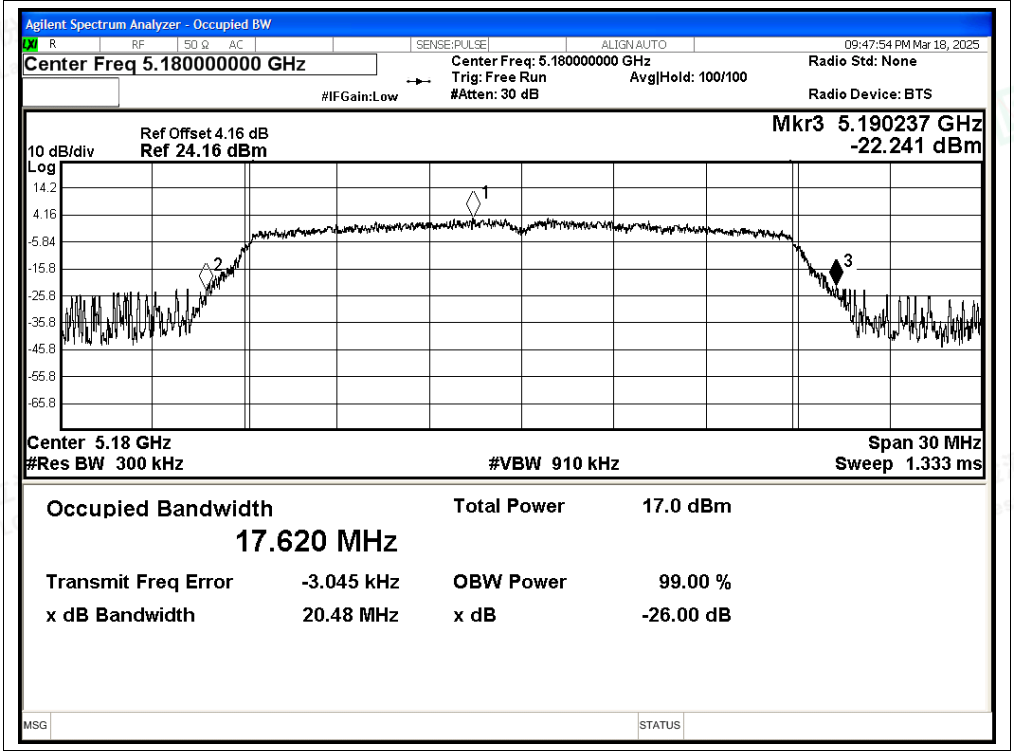
-26dB Bandwidth NVNT a 5200MHz Ant



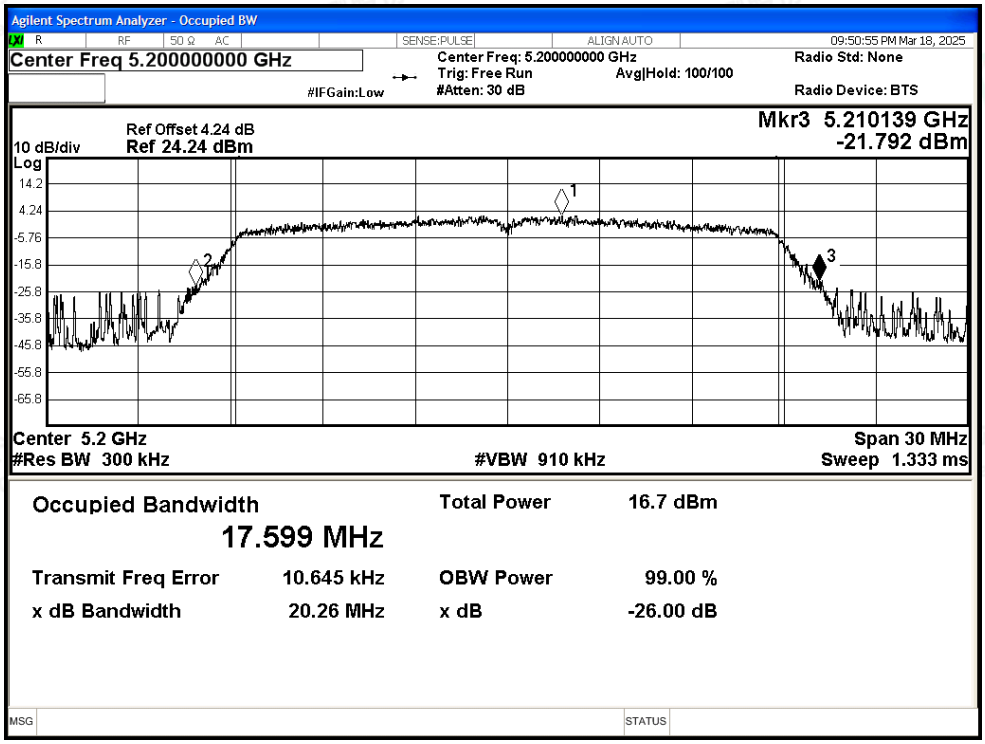
-26dB Bandwidth NVNT a 5240MHz Ant



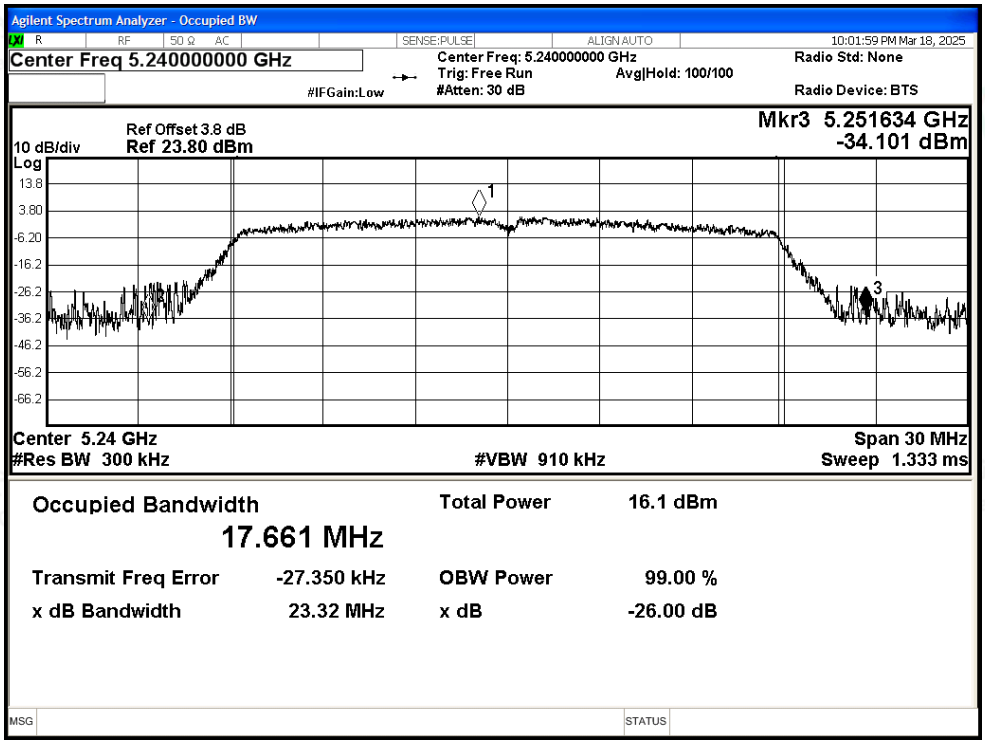
-26dB Bandwidth NVNT n20 5180MHz Ant



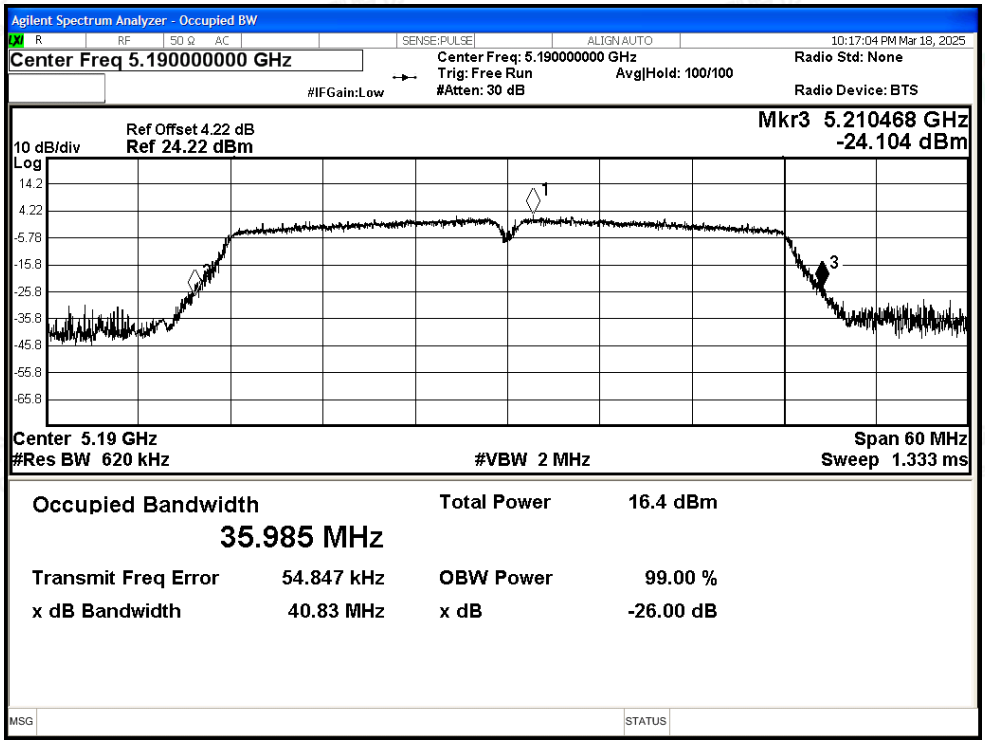
-26dB Bandwidth NVNT n20 5200MHz Ant



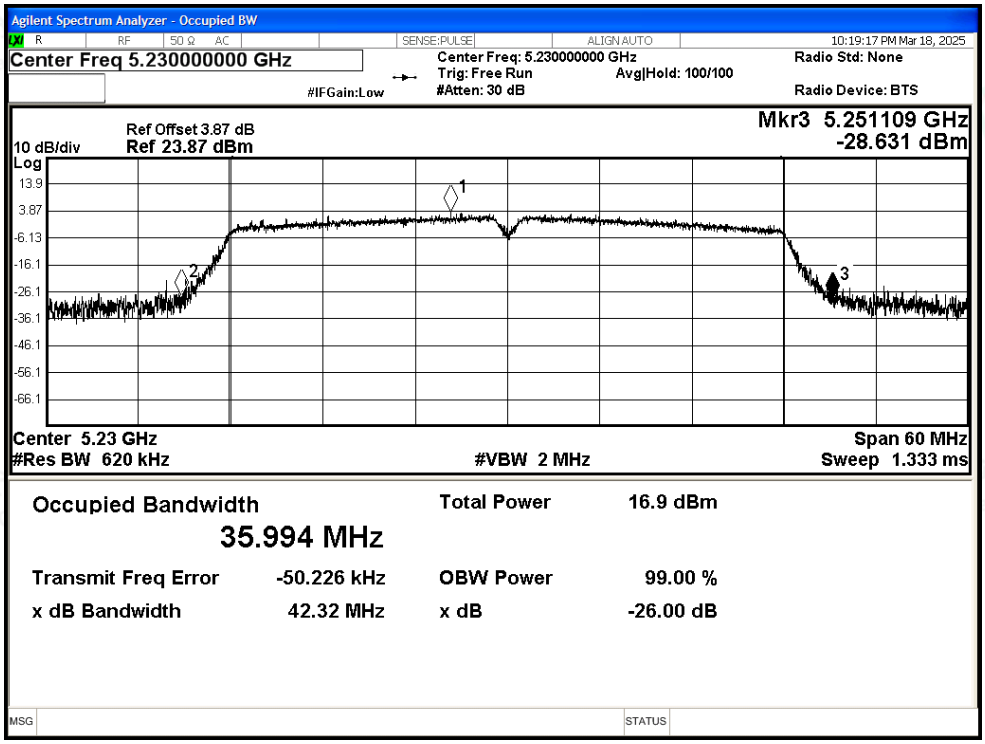
-26dB Bandwidth NVNT n20 5240MHz Ant



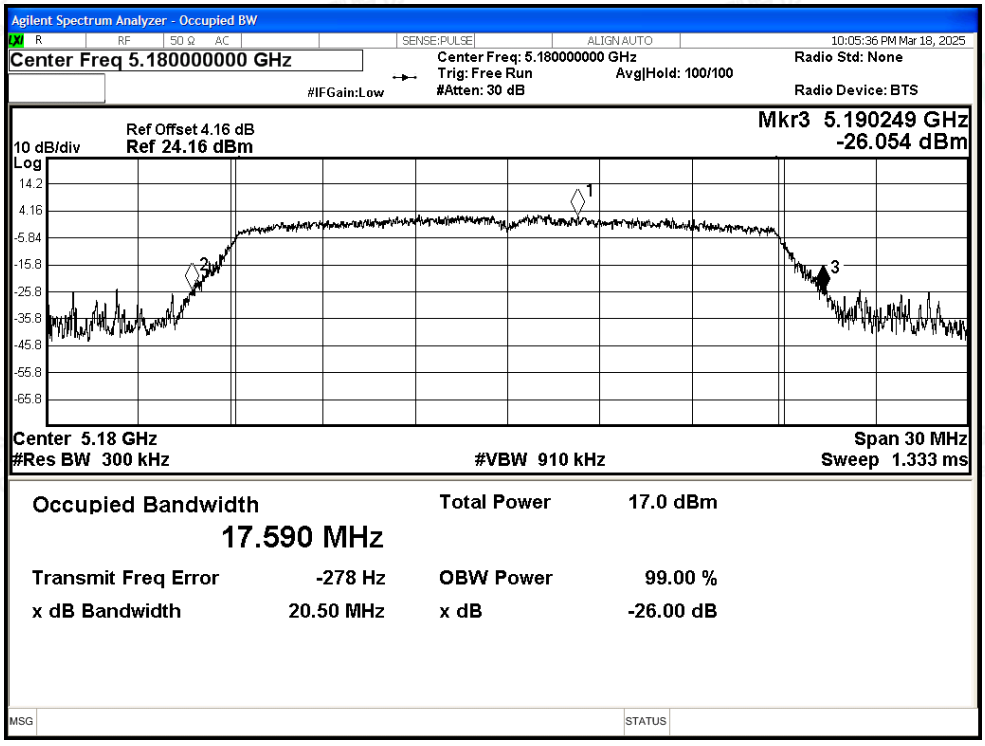
-26dB Bandwidth NVNT n40 5190MHz Ant



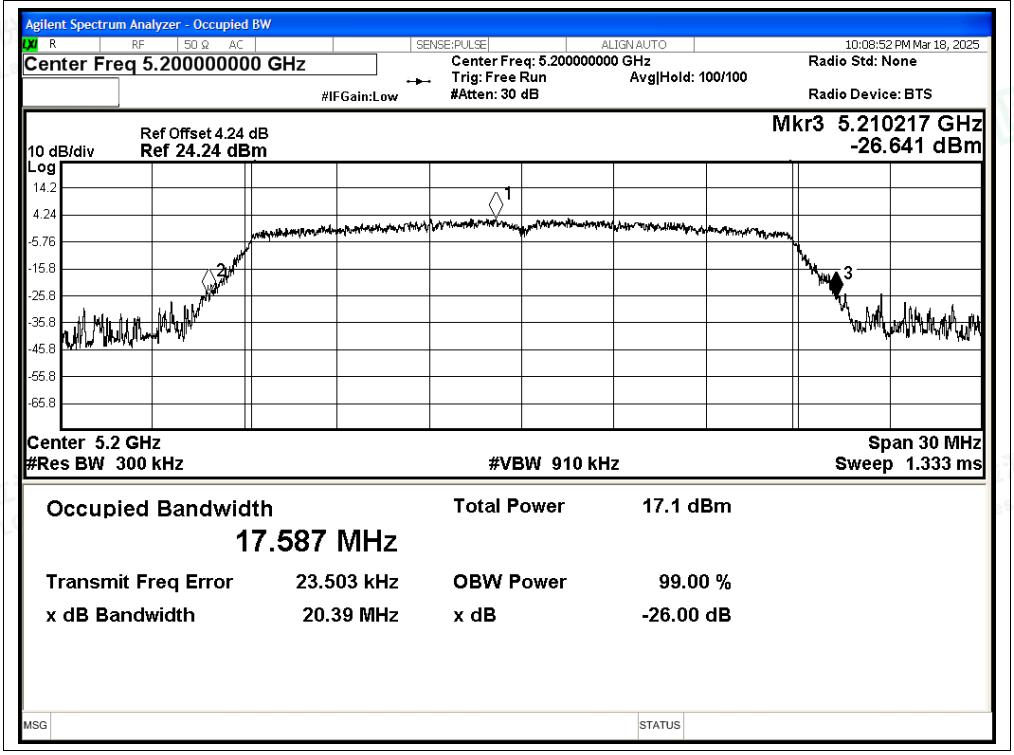
-26dB Bandwidth NVNT n40 5230MHz Ant



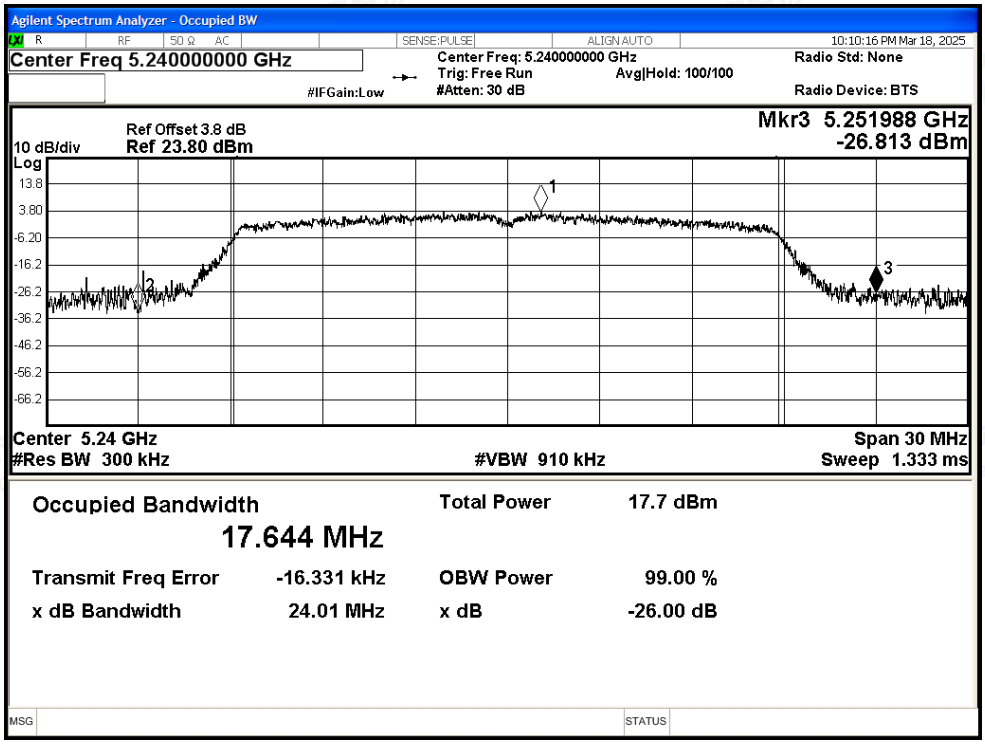
-26dB Bandwidth NVNT ac20 5180MHz Ant



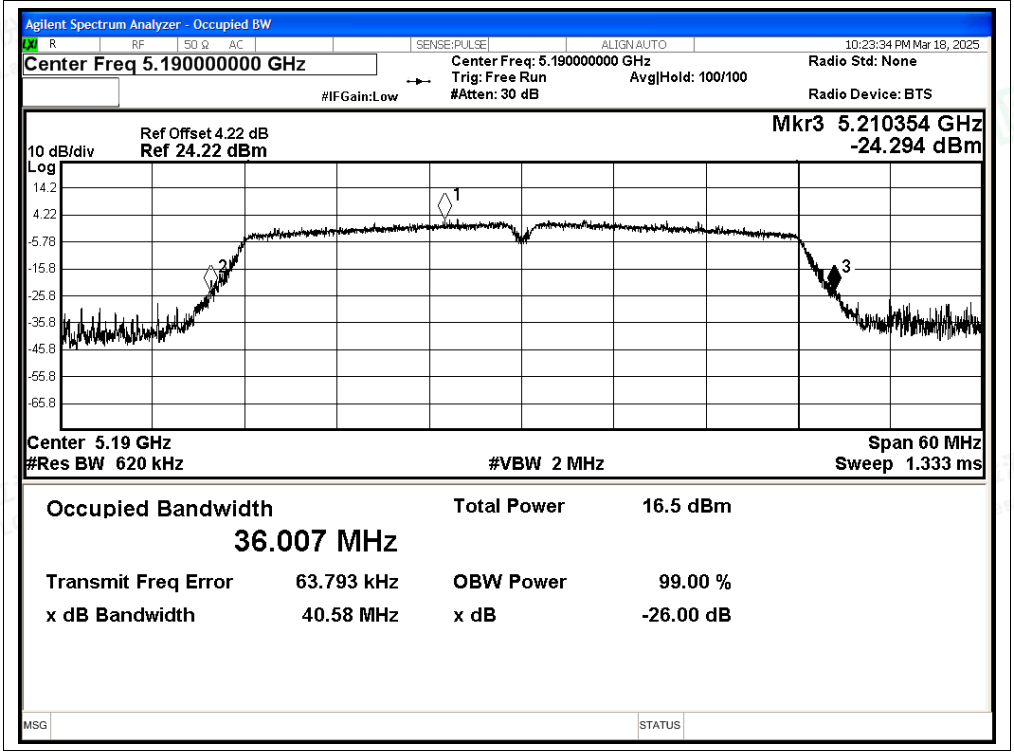
-26dB Bandwidth NVNT ac20 5200MHz Ant



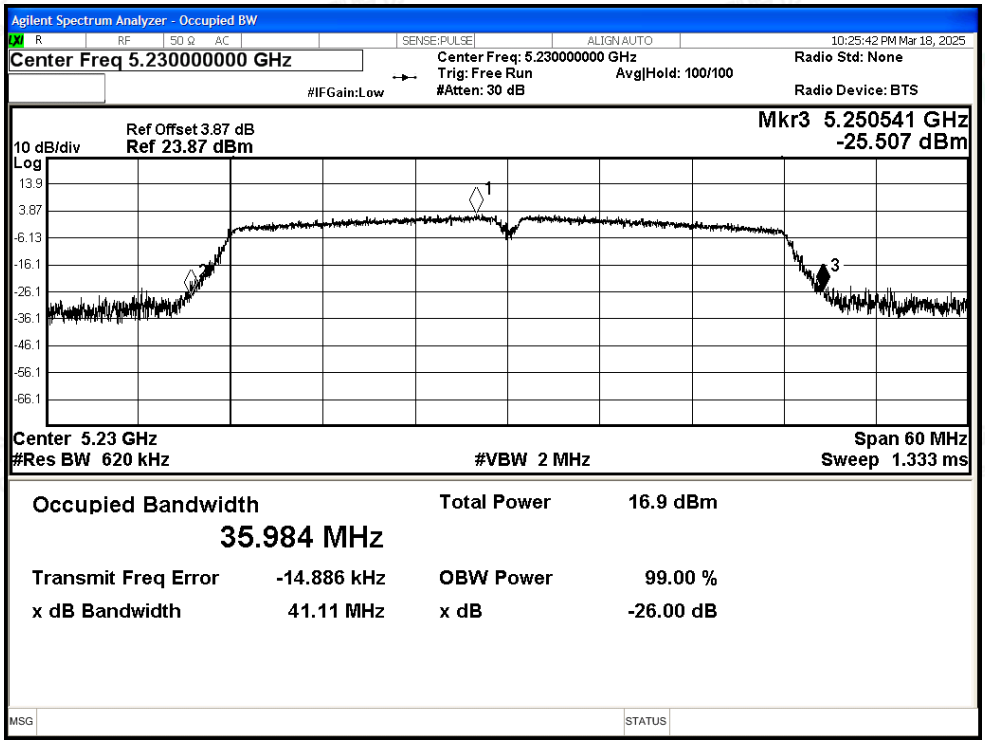
-26dB Bandwidth NVNT ac20 5240MHz Ant



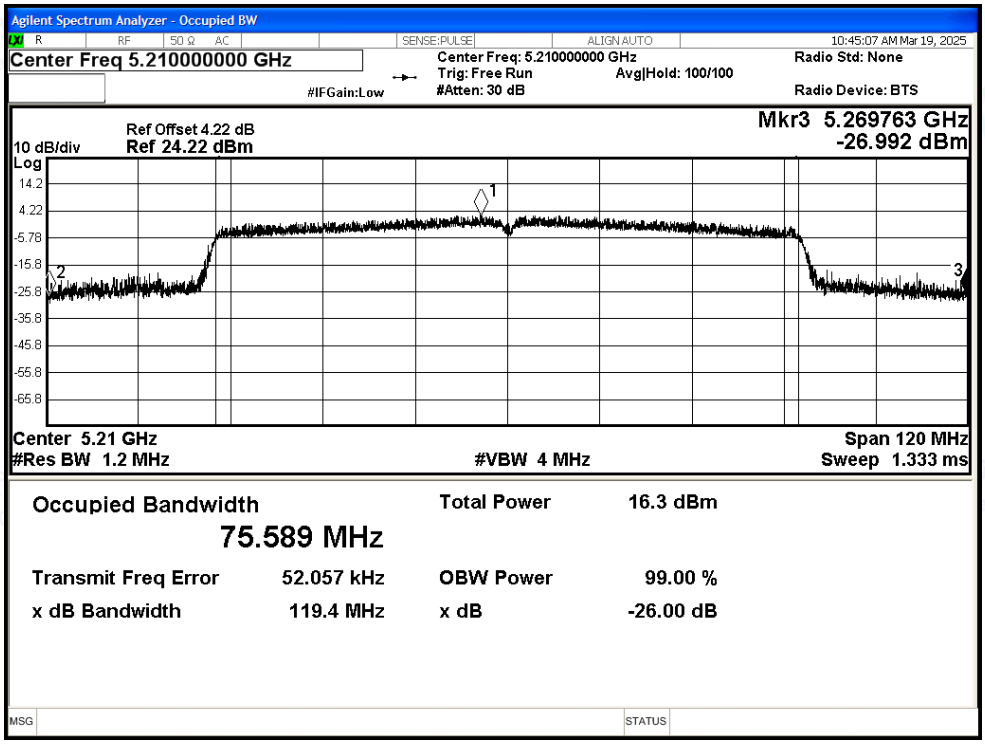
-26dB Bandwidth NVNT ac40 5190MHz Ant



-26dB Bandwidth NVNT ac40 5230MHz Ant



-26dB Bandwidth NVNT ac80 5210MHz Ant



D.2 Maximum Conducted Output Power

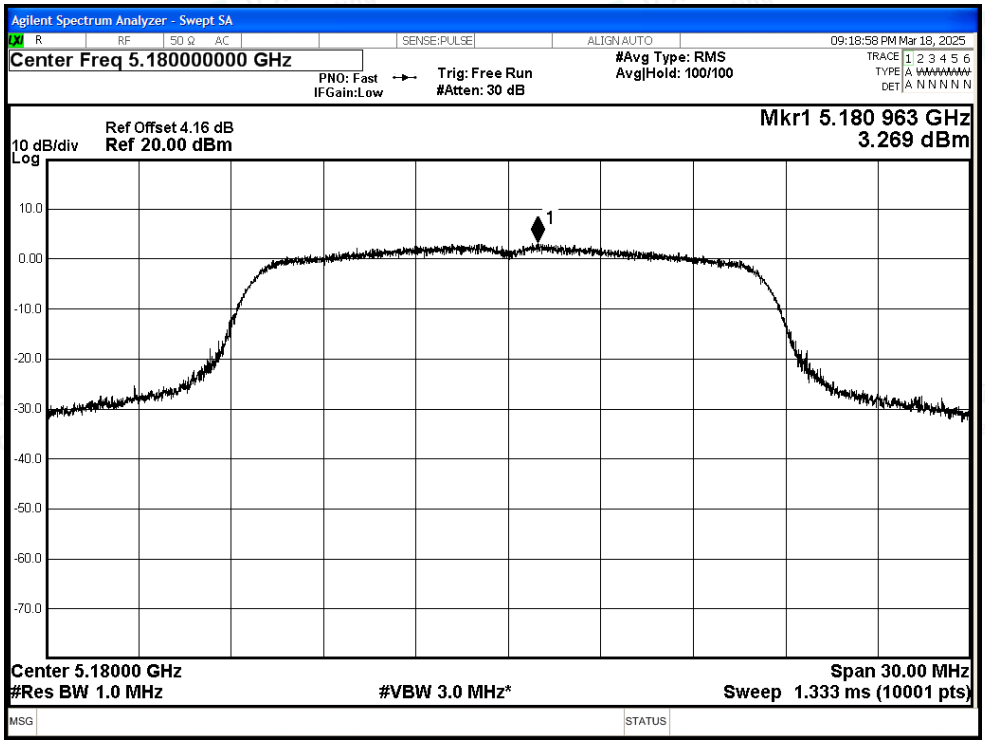
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5180	Ant	12.85	0.11	12.96	24	Pass
NVNT	a	5200	Ant	12.22	0.11	12.33	24	Pass
NVNT	a	5240	Ant	12.34	0.11	12.45	24	Pass
NVNT	n20	5180	Ant	11.29	0.12	11.41	24	Pass
NVNT	n20	5200	Ant	11.02	0.12	11.14	24	Pass
NVNT	n20	5240	Ant	10.34	0.12	10.46	24	Pass
NVNT	n40	5190	Ant	10.3	0.22	10.52	24	Pass
NVNT	n40	5230	Ant	10.7	0.23	10.93	24	Pass
NVNT	ac20	5180	Ant	11.4	0.11	11.51	24	Pass
NVNT	ac20	5200	Ant	11.5	0.12	11.62	24	Pass
NVNT	ac20	5240	Ant	12.09	0.11	12.2	24	Pass
NVNT	ac40	5190	Ant	10.36	0.23	10.59	24	Pass
NVNT	ac40	5230	Ant	10.68	0.22	10.9	24	Pass
NVNT	ac80	5210	Ant	8.86	0.44	9.3	24	Pass

D.3 Maximum Power Spectral Density Level

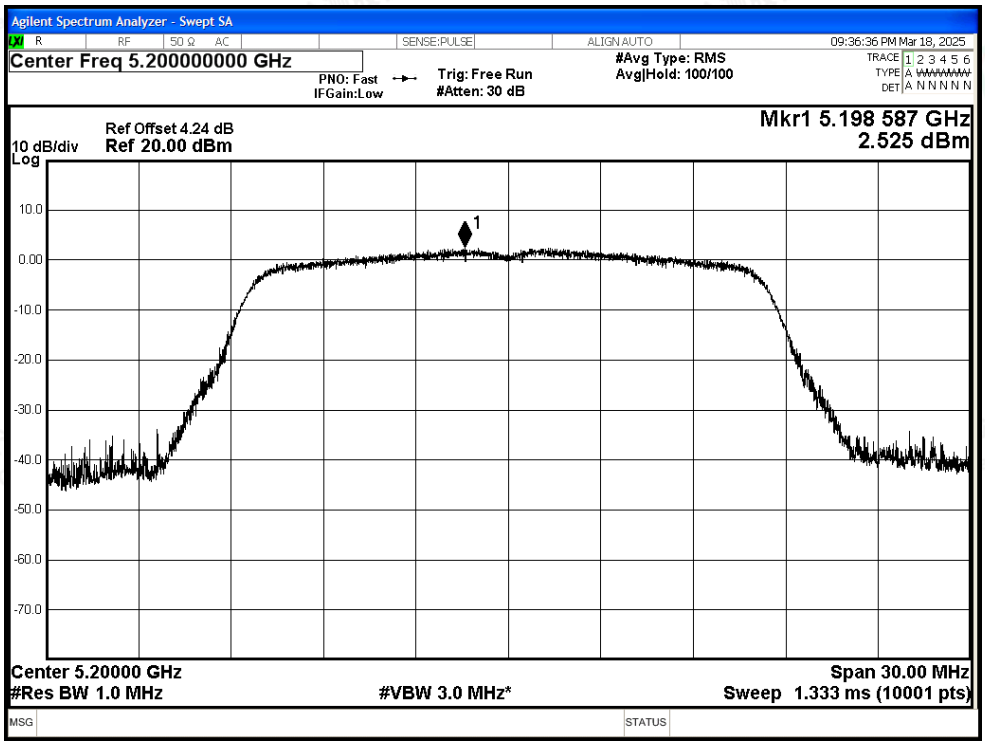
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD(dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5180	Ant	3.27	0.11	3.38	11	Pass
NVNT	a	5200	Ant	2.53	0.11	2.64	11	Pass
NVNT	a	5240	Ant	2.73	0.11	2.84	11	Pass
NVNT	n20	5180	Ant	1.31	0.12	1.43	11	Pass
NVNT	n20	5200	Ant	1.11	0.12	1.23	11	Pass
NVNT	n20	5240	Ant	0.61	0.12	0.73	11	Pass
NVNT	n40	5190	Ant	-2.21	0.22	-1.99	11	Pass
NVNT	n40	5230	Ant	-1.97	0.23	-1.74	11	Pass
NVNT	ac20	5180	Ant	1.67	0.11	1.78	11	Pass
NVNT	ac20	5200	Ant	1.7	0.12	1.82	11	Pass
NVNT	ac20	5240	Ant	2.18	0.11	2.29	11	Pass
NVNT	ac40	5190	Ant	-2.48	0.23	-2.25	11	Pass
NVNT	ac40	5230	Ant	-1.85	0.22	-1.63	11	Pass
NVNT	ac80	5210	Ant	-6.46	0.44	-6.02	11	Pass

Test Graphs

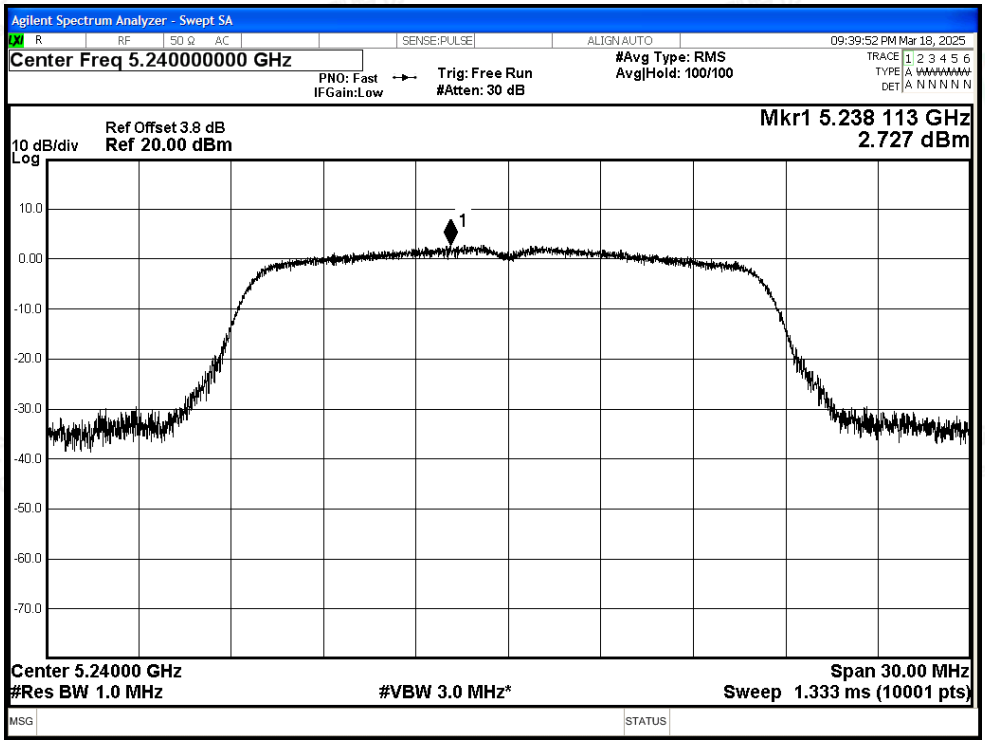
PSD NVNT a 5180MHz Ant



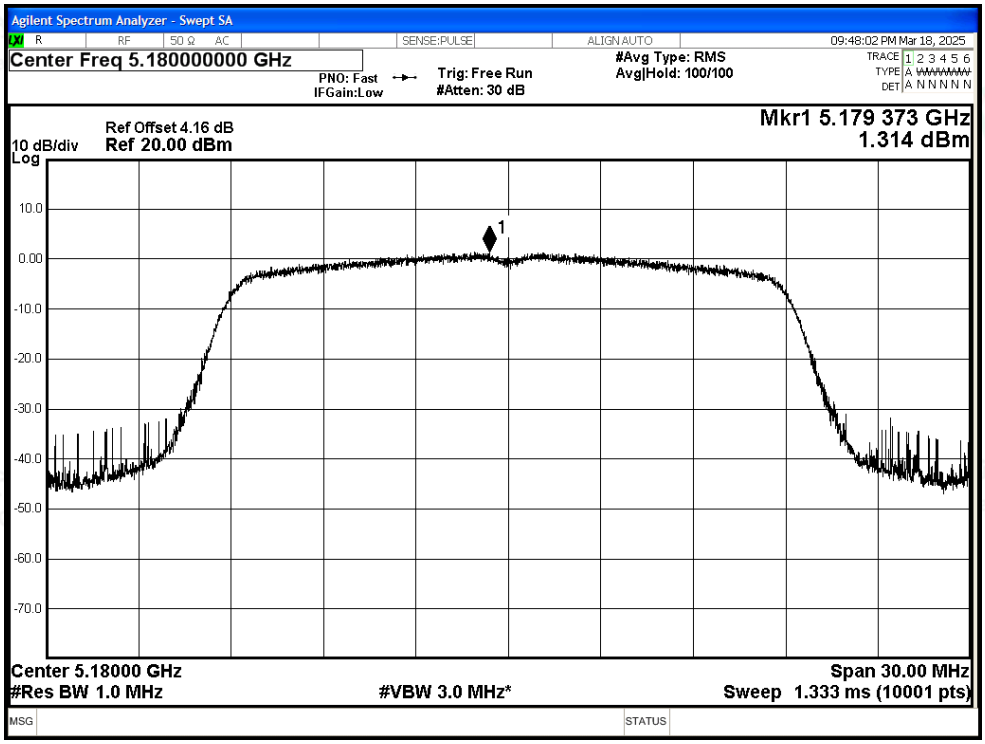
PSD NVNT a 5200MHz Ant



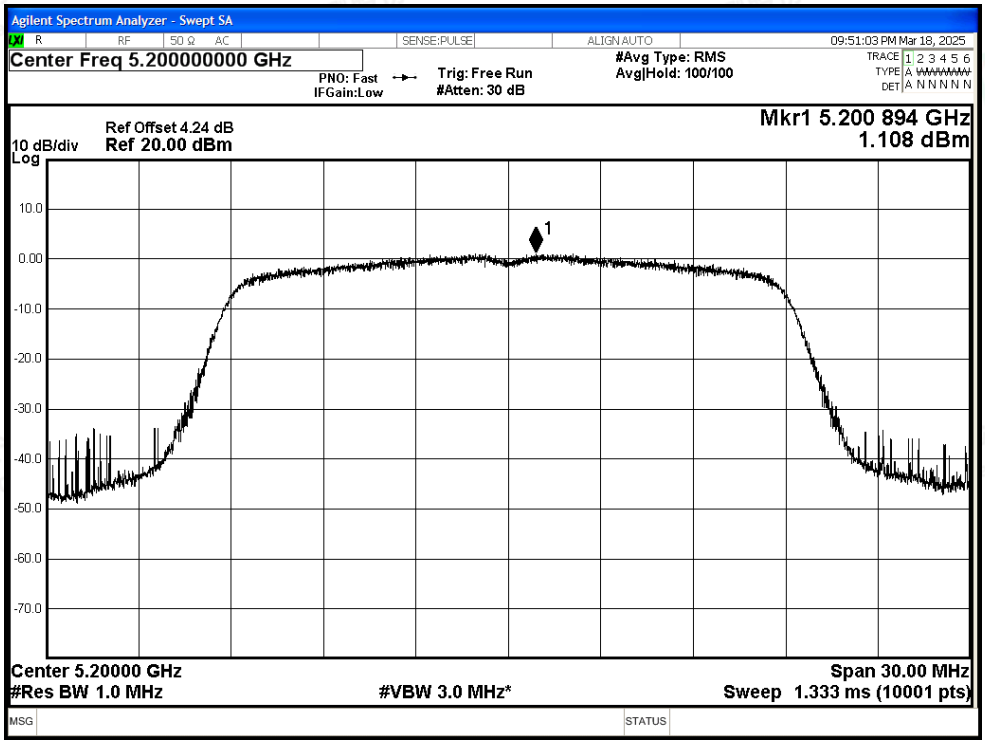
PSD NVNT a 5240MHz Ant



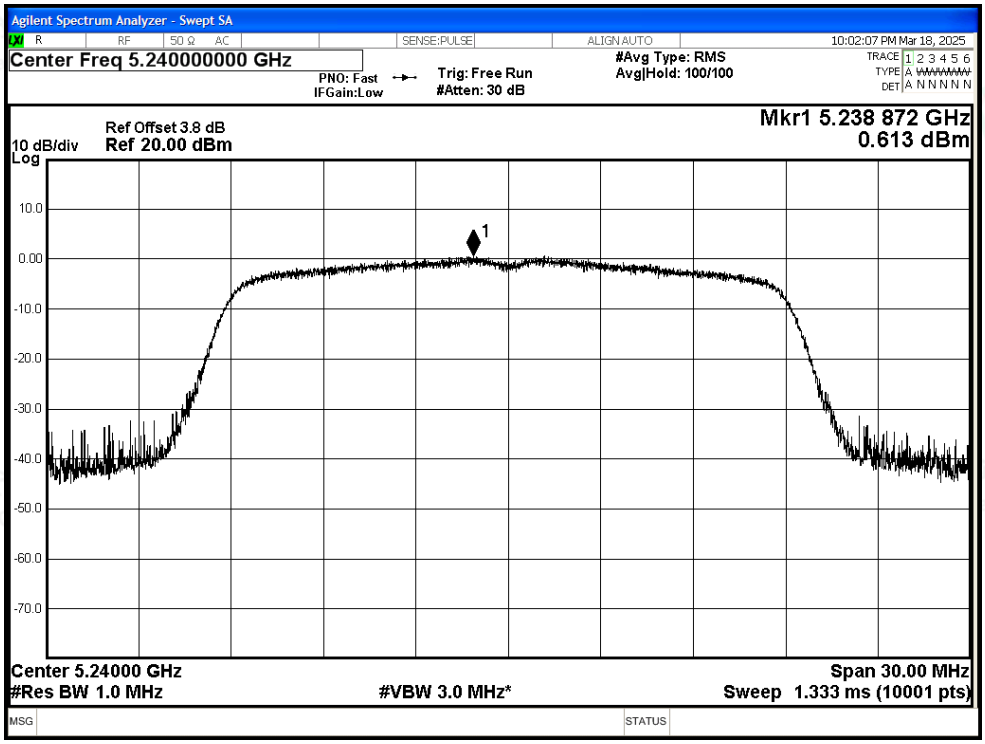
PSD NVNT n20 5180MHz Ant



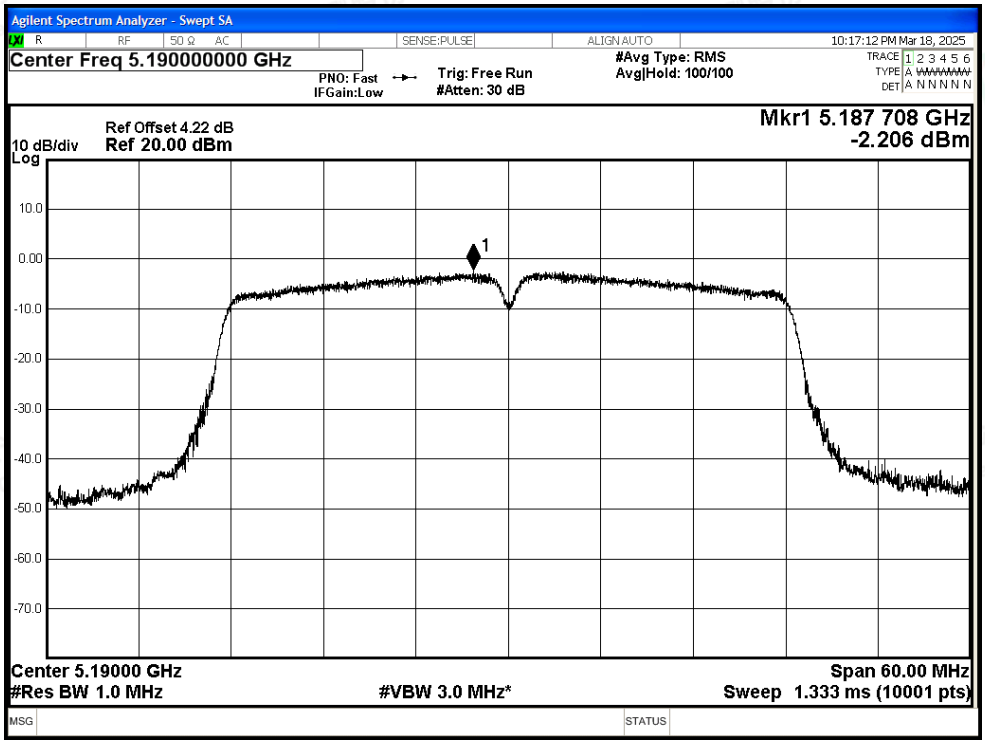
PSD NVNT n20 5200MHz Ant



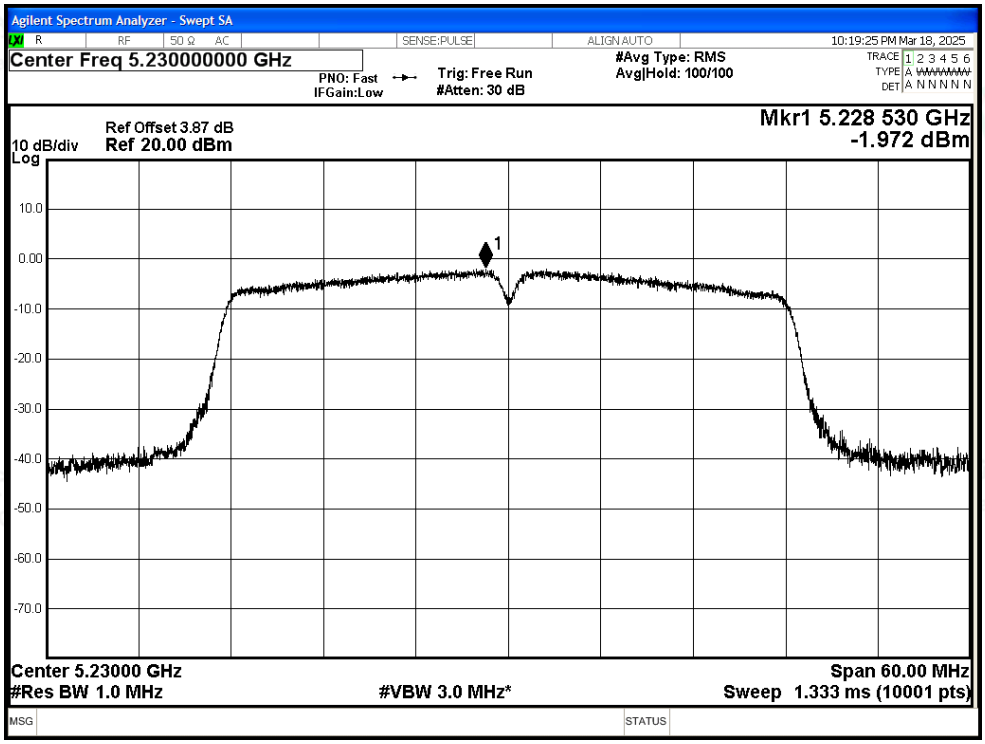
PSD NVNT n20 5240MHz Ant



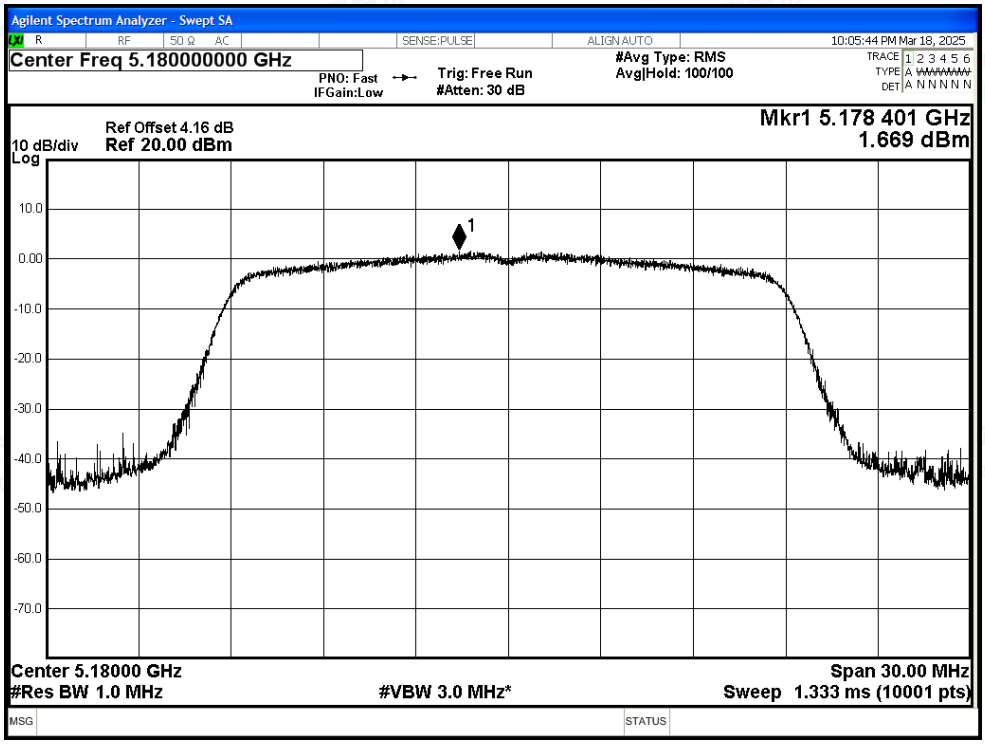
PSD NVNT n40 5190MHz Ant



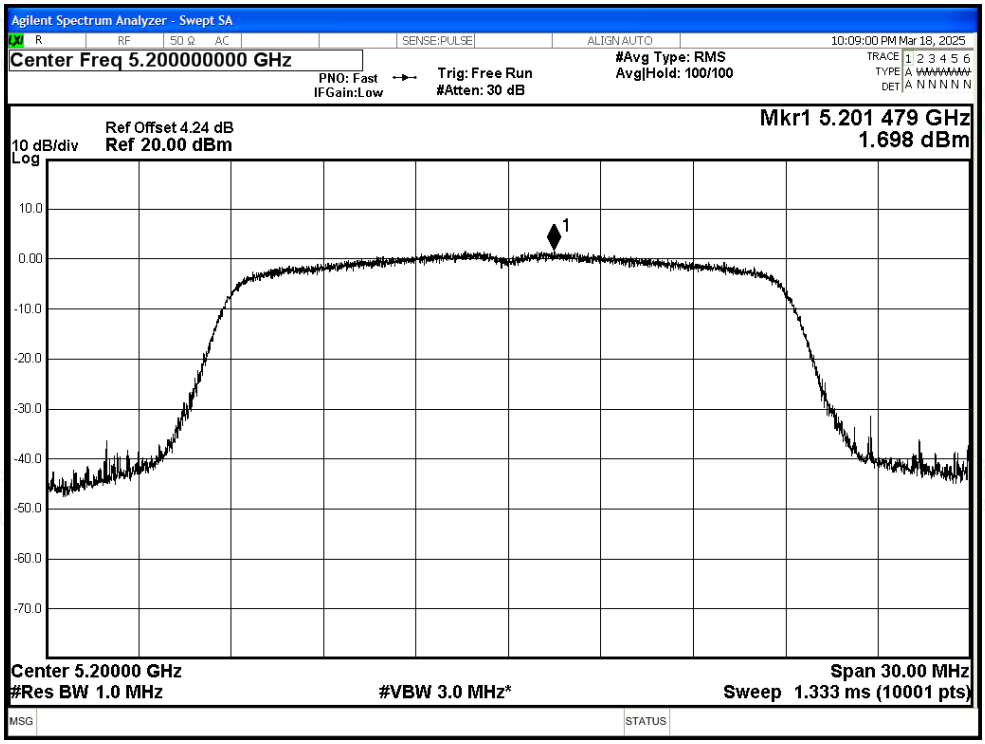
PSD NVNT n40 5230MHz Ant



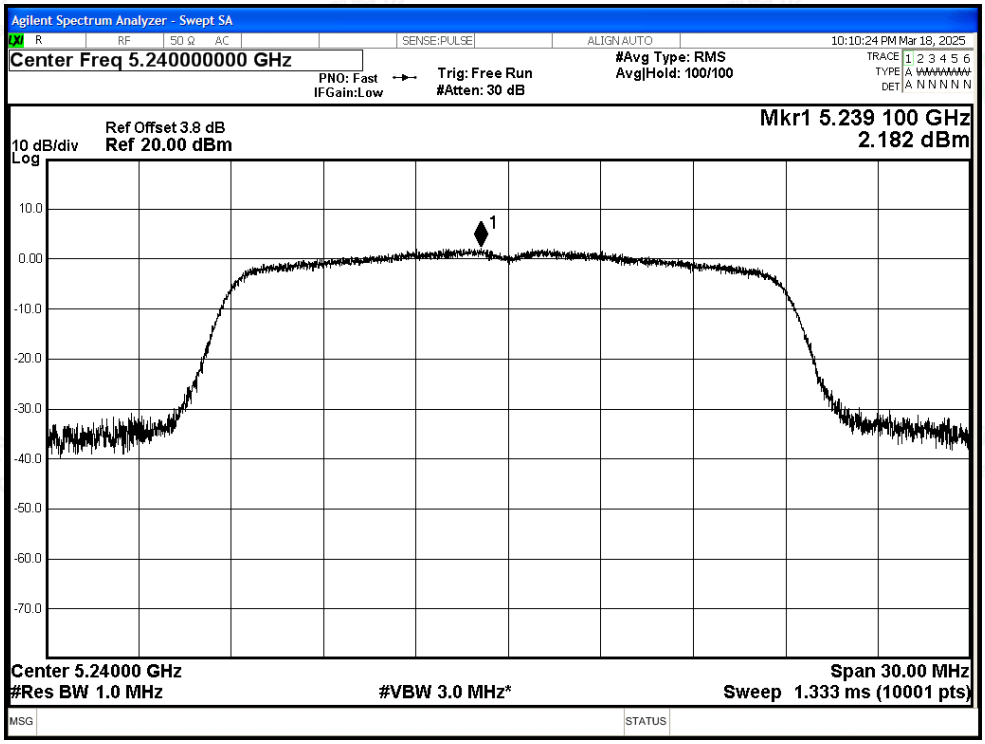
PSD NVNT ac20 5180MHz Ant



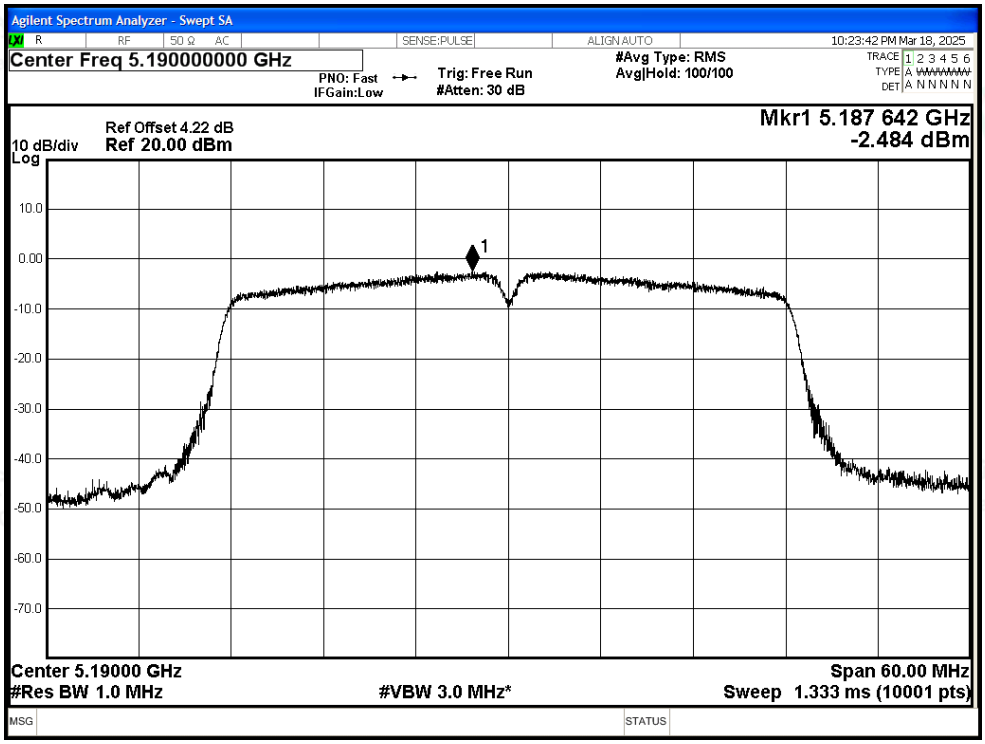
PSD NVNT ac20 5200MHz Ant



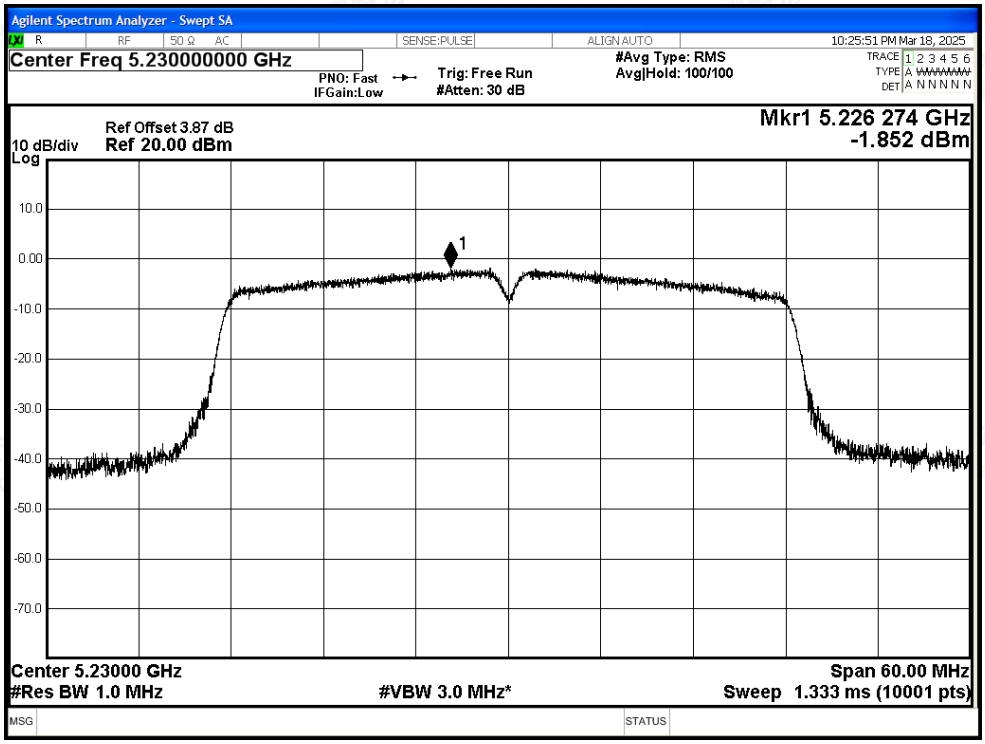
PSD NVNT ac20 5240MHz Ant



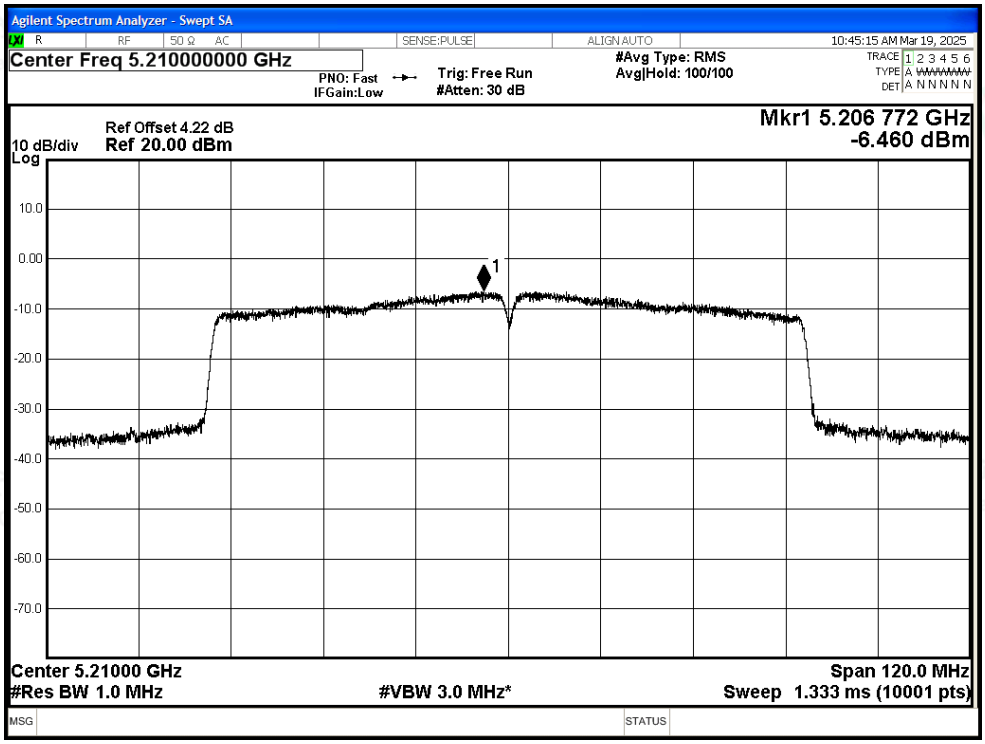
PSD NVNT ac40 5190MHz Ant



PSD NVNT ac40 5230MHz Ant



PSD NVNT ac80 5210MHz Ant



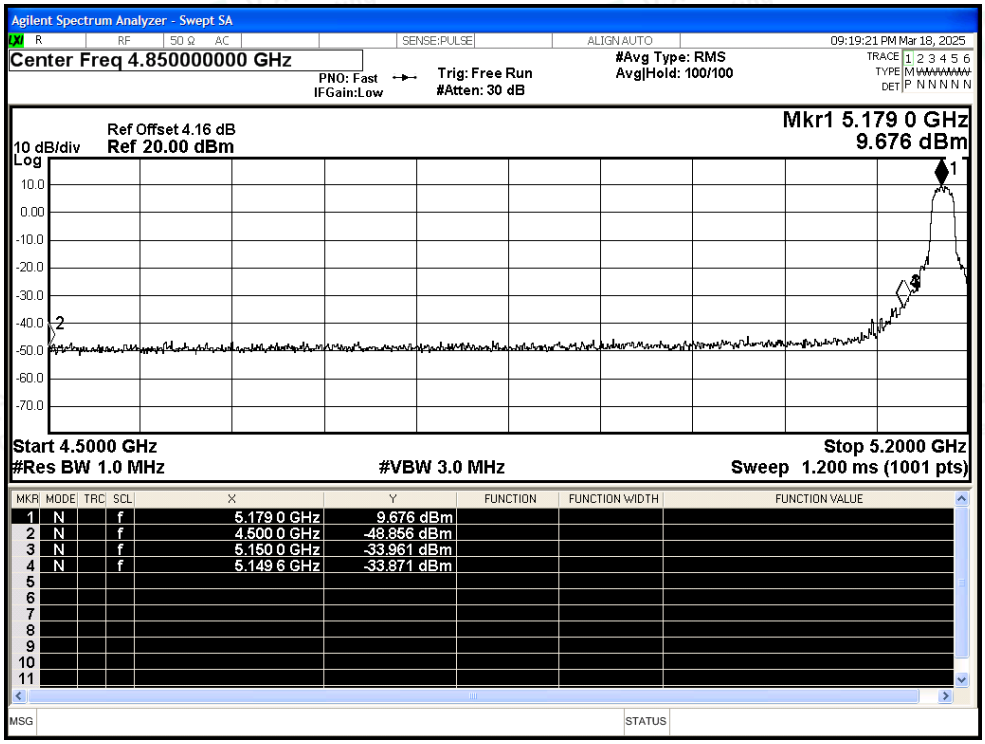
D.4 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5180	Ant	4500	-48.86	2	-	48.37	Peak	68.2	Pass
NVNT	a	5180	Ant	4500	-57.87	2	0.11	39.47	Average	54	Pass
NVNT	a	5180	Ant	5149.6	-33.87	2	-	63.36	Peak	68.2	Pass
NVNT	a	5180	Ant	5149.6	-45.96	2	0.11	51.38	Average	54	Pass
NVNT	a	5180	Ant	5150	-33.96	2	-	63.27	Peak	68.2	Pass
NVNT	a	5180	Ant	5150	-46.33	2	0.11	51.01	Average	54	Pass
NVNT	a	5240	Ant	5350	-47.71	2	-	49.52	Peak	68.2	Pass
NVNT	a	5240	Ant	5350	-55.96	2	0.11	41.38	Average	54	Pass
NVNT	a	5240	Ant	5377.44	-45.31	2	-	51.92	Peak	68.2	Pass
NVNT	a	5240	Ant	5352.96	-55.03	2	0.11	42.31	Average	54	Pass
NVNT	a	5240	Ant	5460	-49.03	2	-	48.2	Peak	68.2	Pass
NVNT	a	5240	Ant	5460	-57.27	2	0.11	40.07	Average	54	Pass
NVNT	n20	5180	Ant	4500	-50.47	2	-	46.76	Peak	68.2	Pass
NVNT	n20	5180	Ant	4500	-57.98	2	0.12	39.37	Average	54	Pass
NVNT	n20	5180	Ant	5142.6	-36.04	2	-	61.19	Peak	68.2	Pass
NVNT	n20	5180	Ant	5147.5	-50.26	2	0.12	47.09	Average	54	Pass
NVNT	n20	5180	Ant	5150	-32.34	2	-	64.89	Peak	68.2	Pass
NVNT	n20	5180	Ant	5150	-50.83	2	0.12	46.52	Average	54	Pass
NVNT	n20	5240	Ant	5350	-46.12	2	-	51.11	Peak	68.2	Pass
NVNT	n20	5240	Ant	5350	-55.29	2	0.12	42.06	Average	54	Pass
NVNT	n20	5240	Ant	5373.12	-44.75	2	-	52.48	Peak	68.2	Pass
NVNT	n20	5240	Ant	5351.52	-55.18	2	0.12	42.17	Average	54	Pass
NVNT	n20	5240	Ant	5460	-48.65	2	-	48.58	Peak	68.2	Pass
NVNT	n20	5240	Ant	5460	-56.44	2	0.12	40.91	Average	54	Pass
NVNT	n40	5190	Ant	4500	-49.68	2	-	47.55	Peak	68.2	Pass
NVNT	n40	5190	Ant	4500	-57.84	2	0.22	39.61	Average	54	Pass
NVNT	n40	5190	Ant	5146.05	-34.28	2	-	62.95	Peak	68.2	Pass
NVNT	n40	5190	Ant	5148.97	-50.31	2	0.22	47.14	Average	54	Pass
NVNT	n40	5190	Ant	5150	-37.44	2	-	59.79	Peak	68.2	Pass
NVNT	n40	5190	Ant	5150	-50.61	2	0.22	46.84	Average	54	Pass
NVNT	n40	5230	Ant	5350	-47.47	2	-	49.76	Peak	68.2	Pass
NVNT	n40	5230	Ant	5350	-56.76	2	0.23	40.7	Average	54	Pass
NVNT	n40	5230	Ant	5387.91	-44.55	2	-	52.68	Peak	68.2	Pass
NVNT	n40	5230	Ant	5353.08	-55.25	2	0.23	42.21	Average	54	Pass
NVNT	n40	5230	Ant	5460	-48.67	2	-	48.56	Peak	68.2	Pass
NVNT	n40	5230	Ant	5460	-57.14	2	0.23	40.32	Average	54	Pass
NVNT	ac20	5180	Ant	4500	-50.26	2	-	46.97	Peak	68.2	Pass
NVNT	ac20	5180	Ant	4500	-57.4	2	0.11	39.94	Average	54	Pass

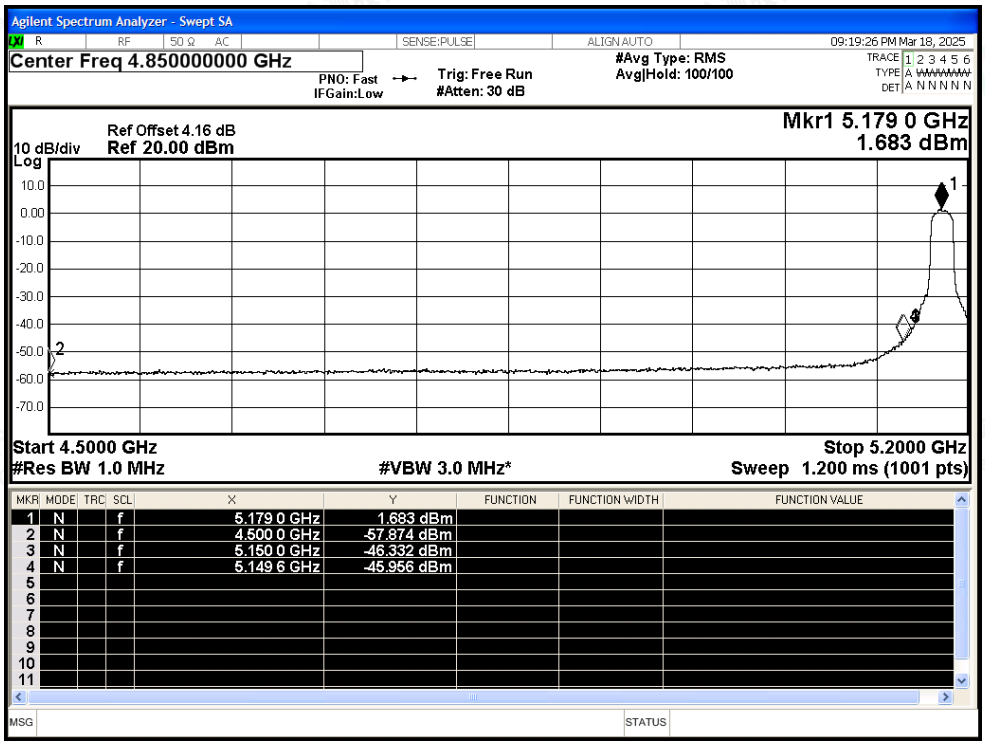
NVNT	ac20	5180	Ant	5148.2	-34.54	2	-	62.69	Peak	68.2	Pass
NVNT	ac20	5180	Ant	5149.6	-50.89	2	0.11	46.45	Average	54	Pass
NVNT	ac20	5180	Ant	5150	-38.35	2	-	58.88	Peak	68.2	Pass
NVNT	ac20	5180	Ant	5150	-51.51	2	0.11	45.83	Average	54	Pass
NVNT	ac20	5240	Ant	5350	-48.45	2	-	48.78	Peak	68.2	Pass
NVNT	ac20	5240	Ant	5350	-55.64	2	0.11	41.7	Average	54	Pass
NVNT	ac20	5240	Ant	5379.6	-45.09	2	-	52.14	Peak	68.2	Pass
NVNT	ac20	5240	Ant	5371.92	-55.37	2	0.11	41.97	Average	54	Pass
NVNT	ac20	5240	Ant	5460	-48.55	2	-	48.68	Peak	68.2	Pass
NVNT	ac20	5240	Ant	5460	-57.1	2	0.11	40.24	Average	54	Pass
NVNT	ac40	5190	Ant	4500	-49.66	2	-	47.57	Peak	68.2	Pass
NVNT	ac40	5190	Ant	4500	-57.79	2	0.23	39.67	Average	54	Pass
NVNT	ac40	5190	Ant	5148.97	-33.89	2	-	63.34	Peak	68.2	Pass
NVNT	ac40	5190	Ant	5149.7	-50.32	2	0.23	47.14	Average	54	Pass
NVNT	ac40	5190	Ant	5150	-34.77	2	-	62.46	Peak	68.2	Pass
NVNT	ac40	5190	Ant	5150	-50.32	2	0.23	47.14	Average	54	Pass
NVNT	ac40	5230	Ant	5350	-47.08	2	-	50.15	Peak	68.2	Pass
NVNT	ac40	5230	Ant	5350	-55.96	2	0.22	41.49	Average	54	Pass
NVNT	ac40	5230	Ant	5367.93	-44.72	2	-	52.51	Peak	68.2	Pass
NVNT	ac40	5230	Ant	5359.02	-55.13	2	0.22	42.32	Average	54	Pass
NVNT	ac40	5230	Ant	5460	-48.33	2	-	48.9	Peak	68.2	Pass
NVNT	ac40	5230	Ant	5460	-56.65	2	0.22	40.8	Average	54	Pass
NVNT	ac80	5210	Ant	5350	-35.11	2	-	62.12	Peak	68.2	Pass
NVNT	ac80	5210	Ant	5350	-48.34	2	0.44	49.33	Average	54	Pass
NVNT	ac80	5210	Ant	5350.44	-34.55	2	-	62.68	Peak	68.2	Pass
NVNT	ac80	5210	Ant	5352.75	-47.86	2	0.44	49.81	Average	54	Pass
NVNT	ac80	5210	Ant	5460	-48.68	2	-	48.55	Peak	68.2	Pass
NVNT	ac80	5210	Ant	5460	-56.2	2	0.44	41.47	Average	54	Pass
NVNT	ac80	5210	Ant	4500	-48.69	2	-	48.54	Peak	68.2	Pass
NVNT	ac80	5210	Ant	4500	-58.08	2	0.44	39.59	Average	54	Pass
NVNT	ac80	5210	Ant	5147.01	-44.42	2	-	52.81	Peak	68.2	Pass
NVNT	ac80	5210	Ant	5149.38	-54.29	2	0.44	43.38	Average	54	Pass
NVNT	ac80	5210	Ant	5150	-44.31	2	-	52.92	Peak	68.2	Pass
NVNT	ac80	5210	Ant	5150	-54.69	2	0.44	42.98	Average	54	Pass

Test Graphs

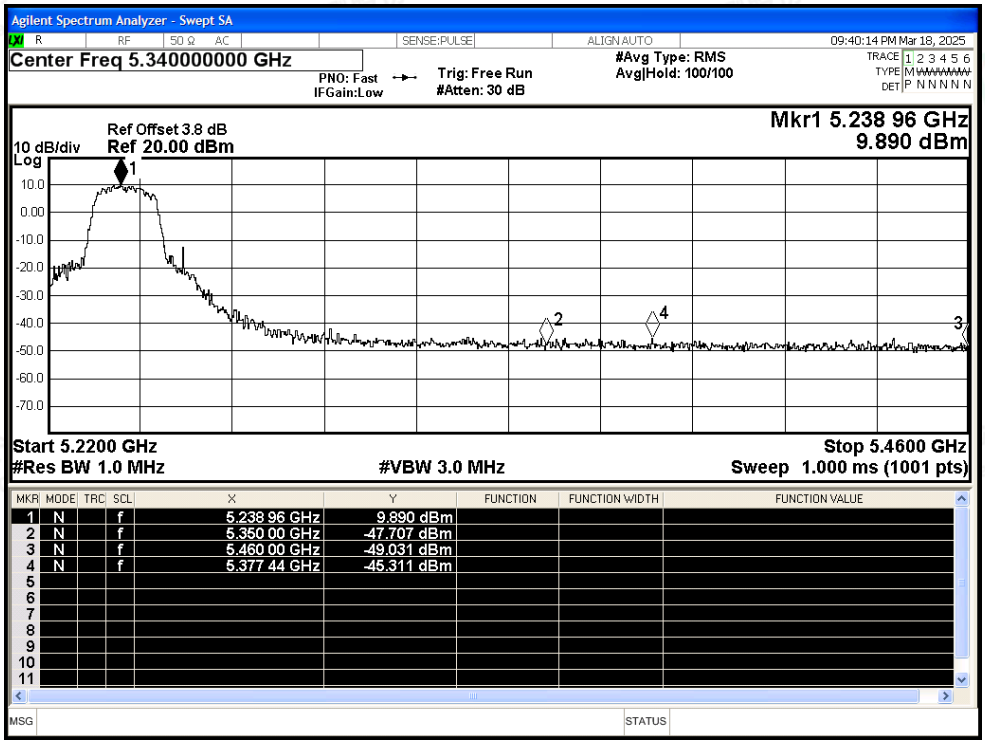
Restrict Band NVNT a 5180MHz Ant Peak



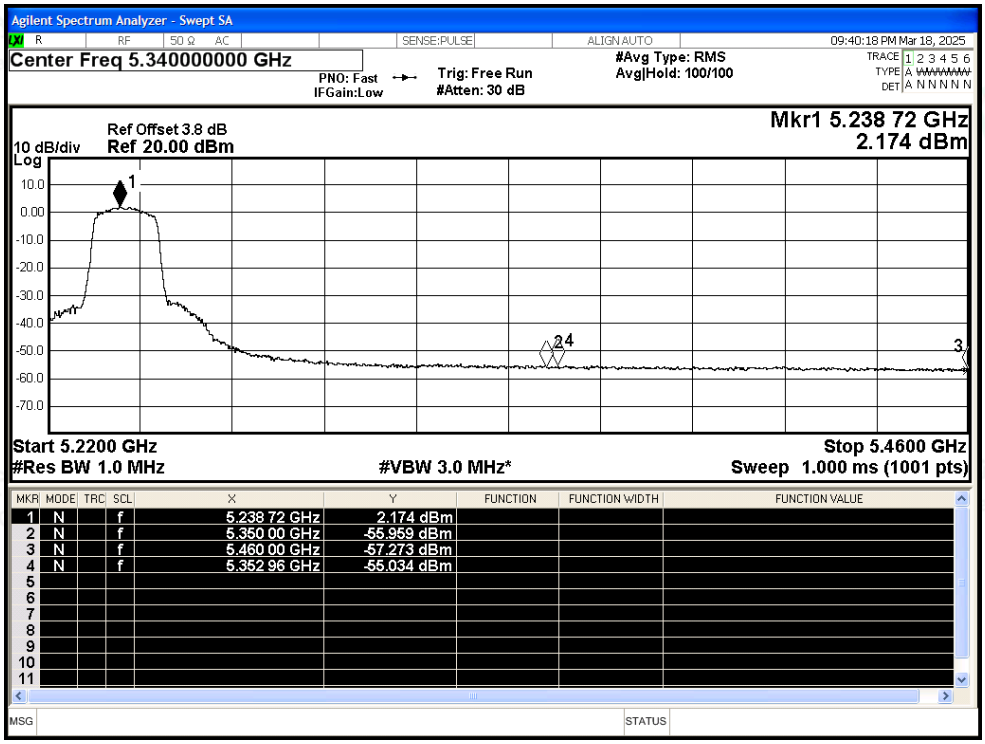
Restrict Band NVNT a 5180MHz Ant Average



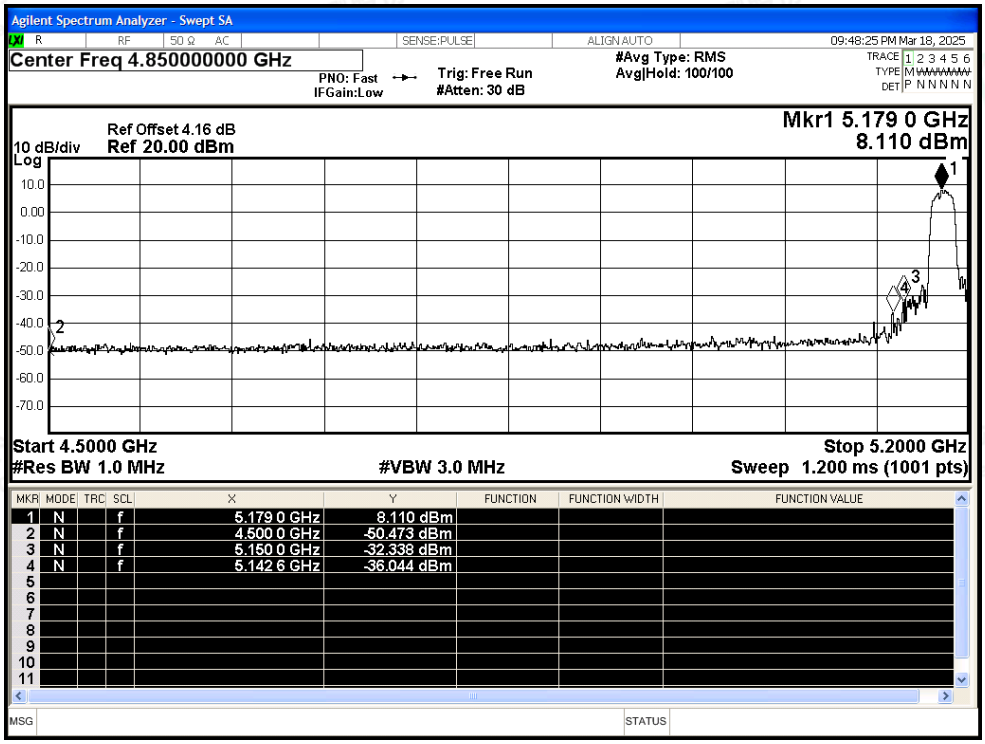
Restrict Band NVNT a 5240MHz Ant Peak



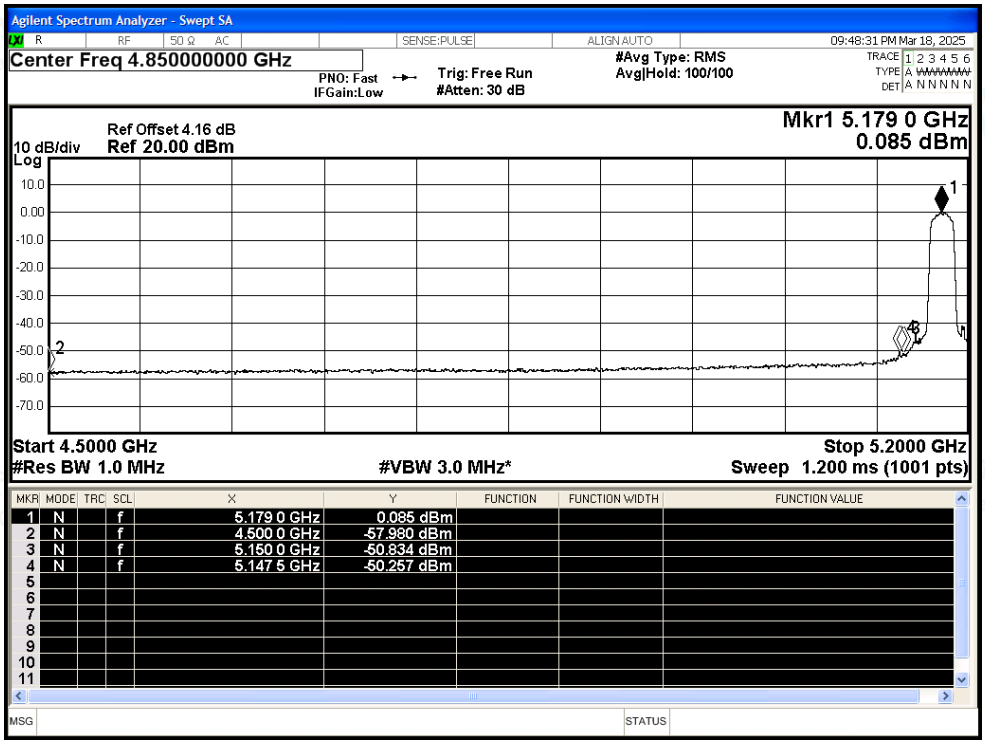
Restrict Band NVNT a 5240MHz Ant Average



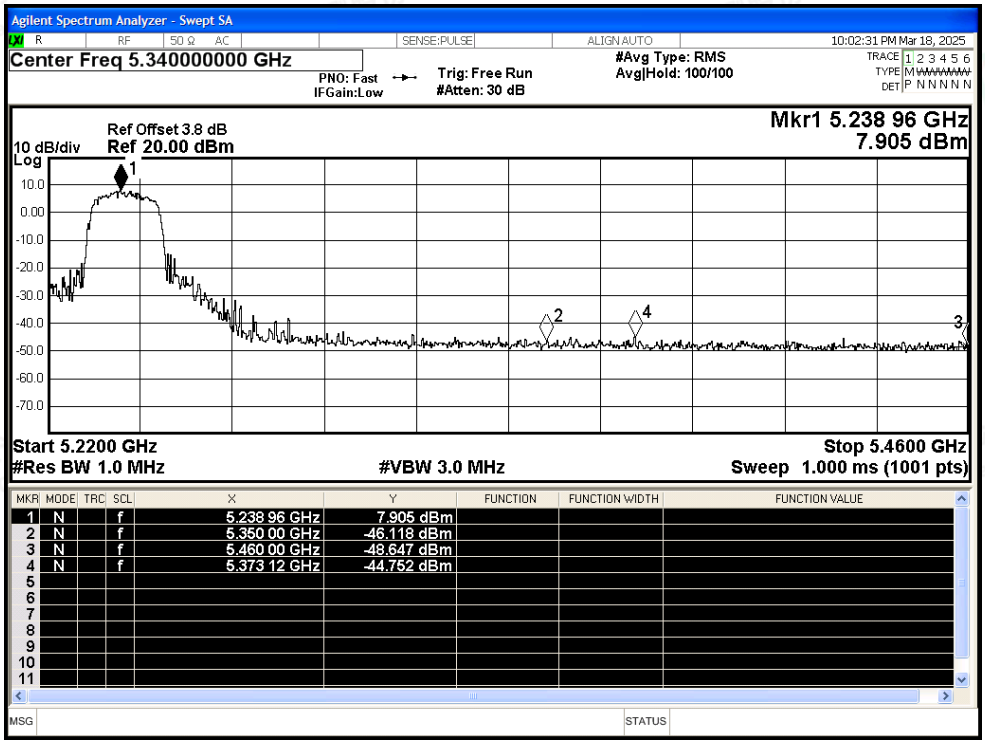
Restrict Band NVNT n20 5180MHz Ant Peak



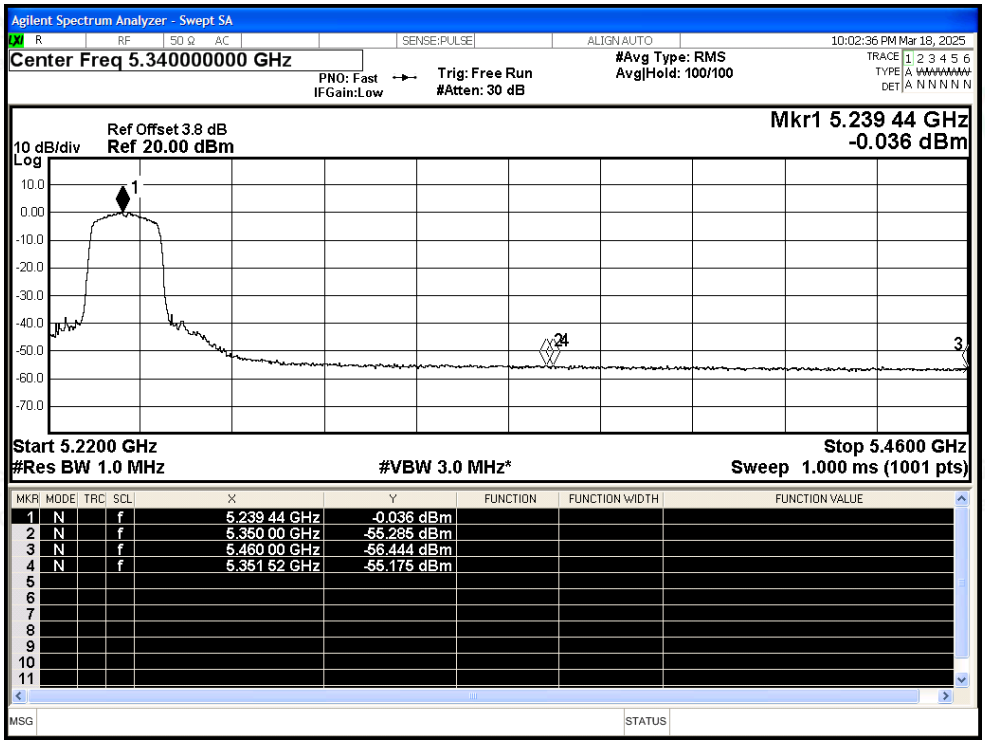
Restrict Band NVNT n20 5180MHz Ant Average



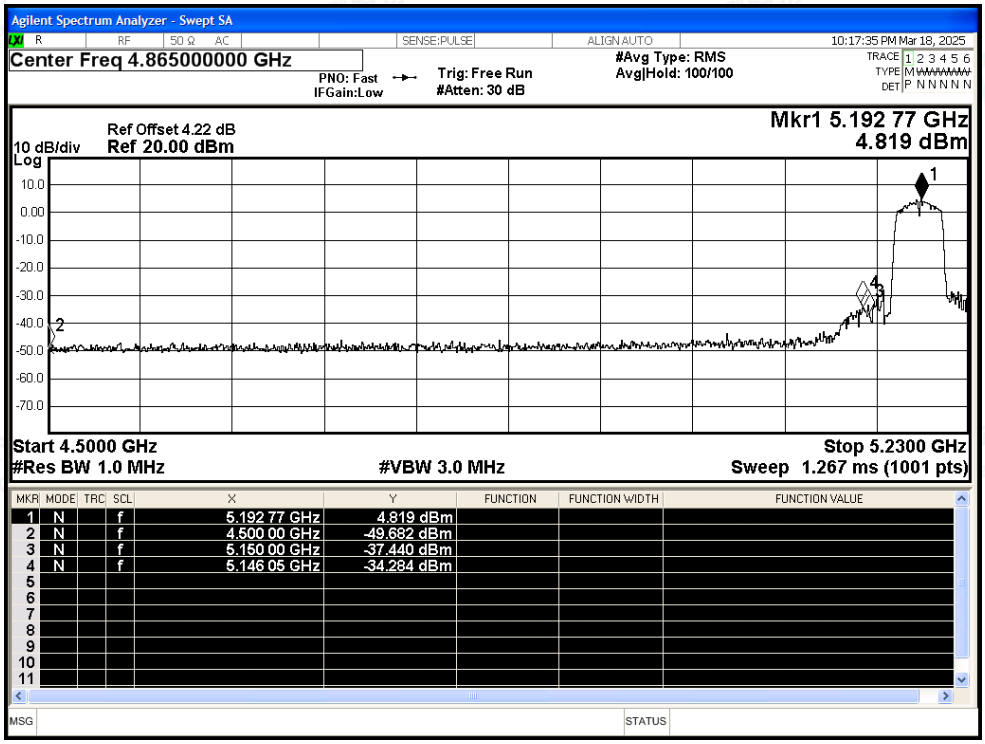
Restrict Band NVNT n20 5240MHz Ant Peak



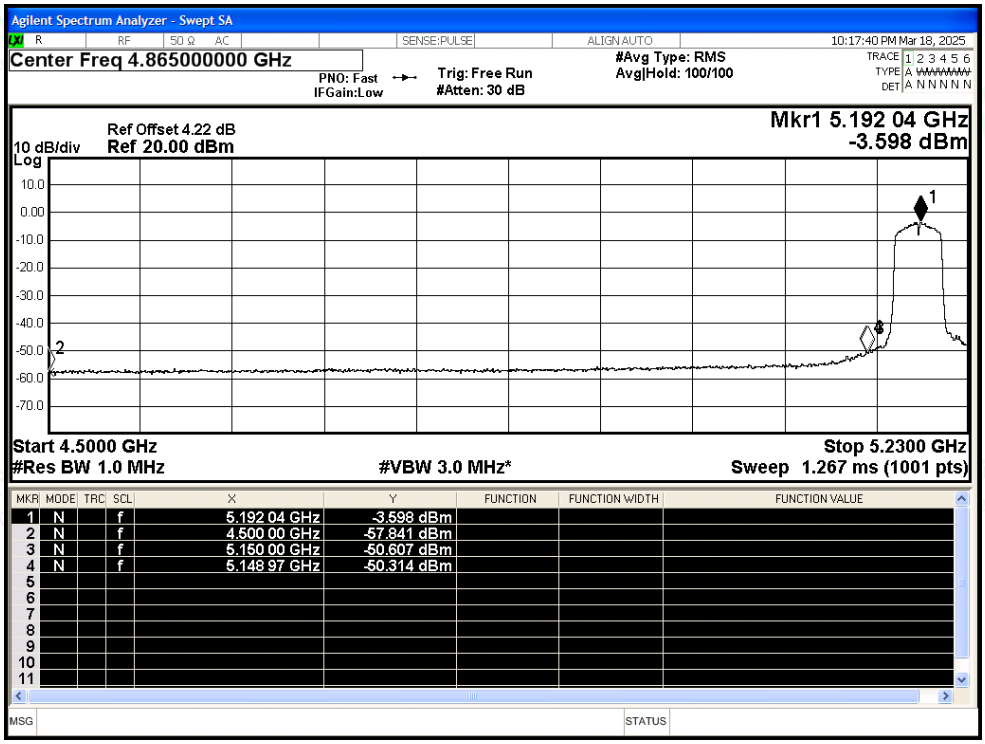
Restrict Band NVNT n20 5240MHz Ant Average



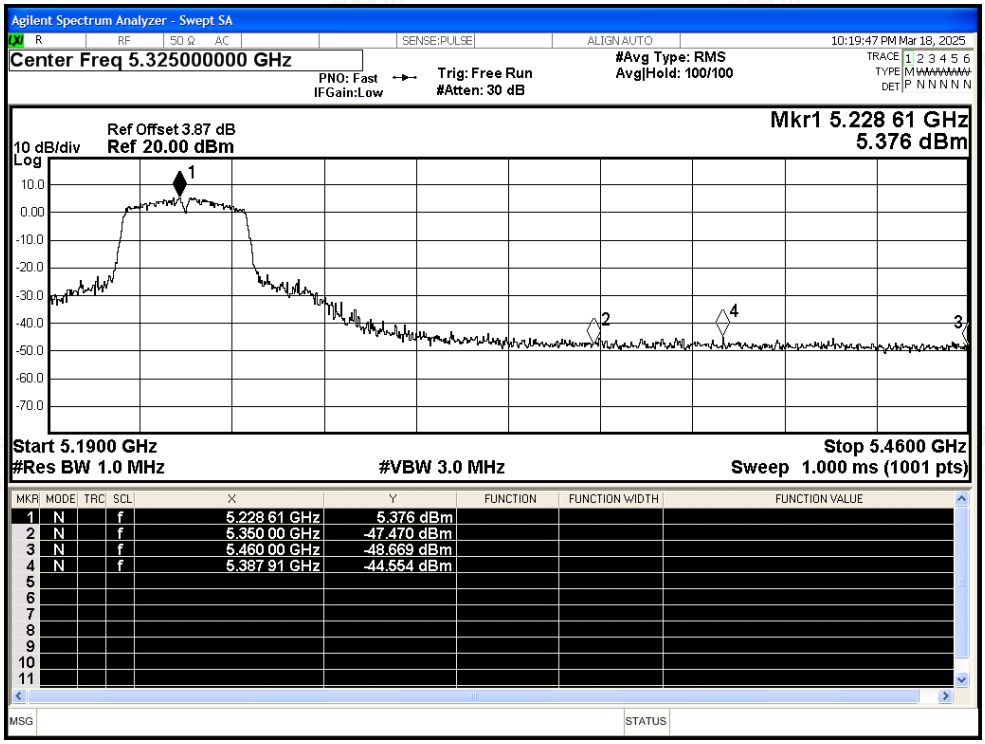
Restrict Band NVNT n40 5190MHz Ant Peak



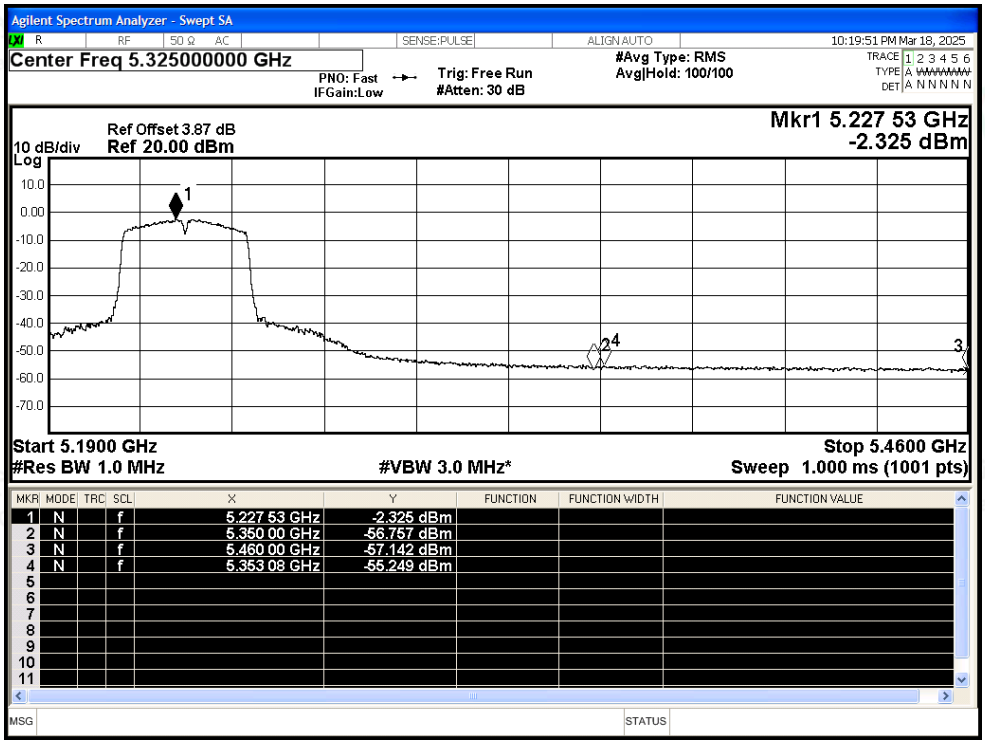
Restrict Band NVNT n40 5190MHz Ant Average



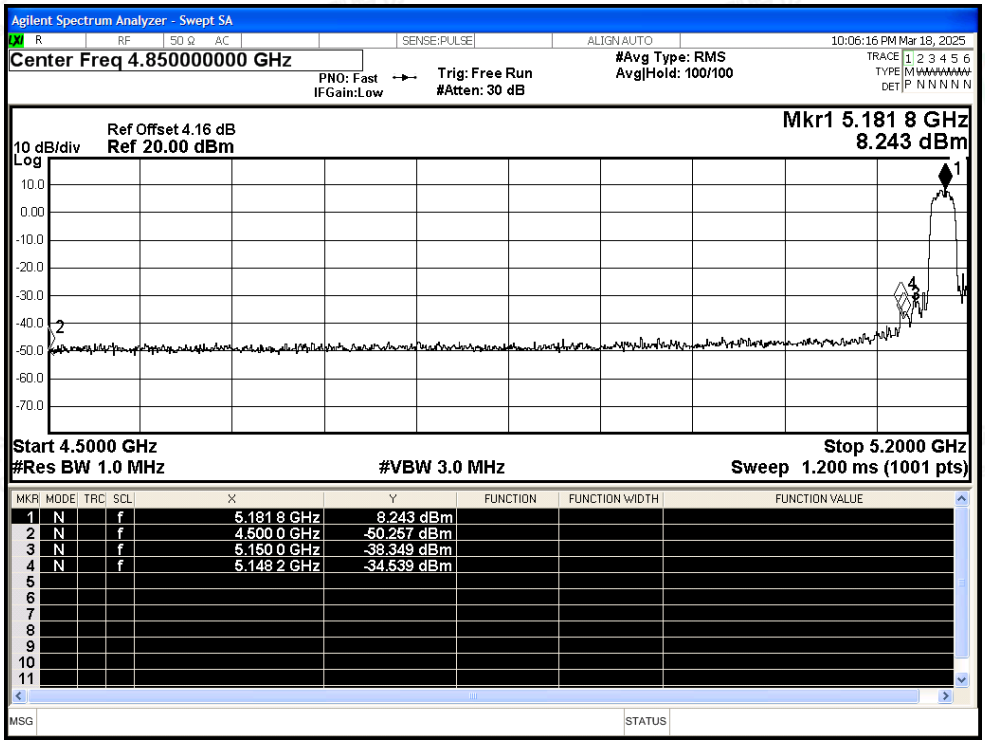
Restrict Band NVNT n40 5230MHz Ant Peak



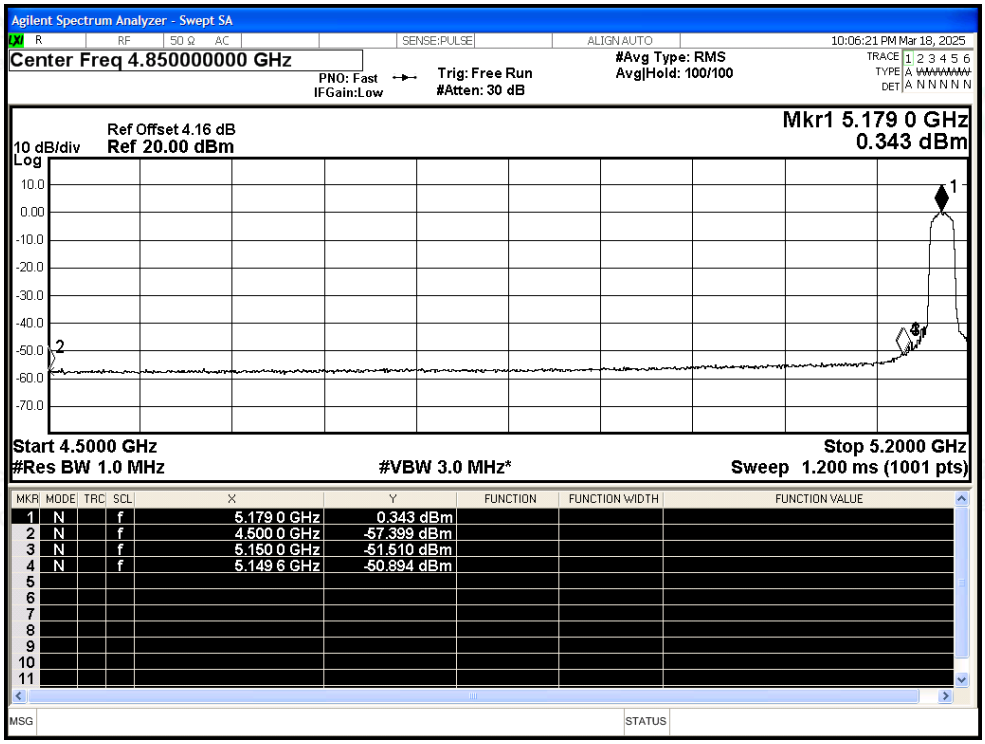
Restrict Band NVNT n40 5230MHz Ant Average



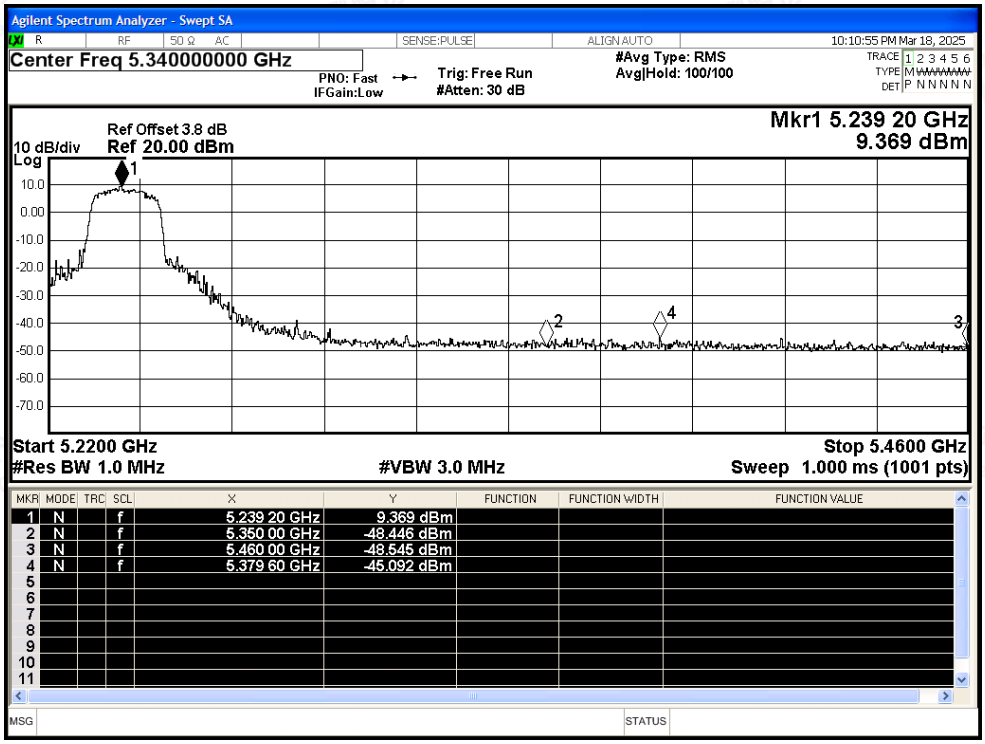
Restrict Band NVNT ac20 5180MHz Ant Peak



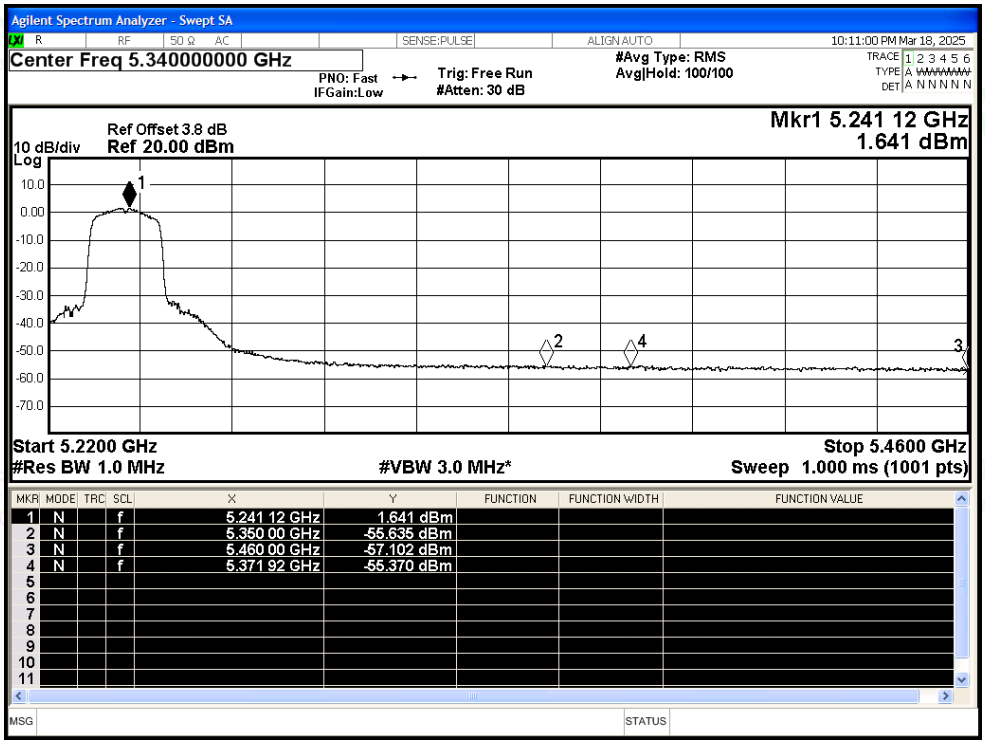
Restrict Band NVNT ac20 5180MHz Ant Average



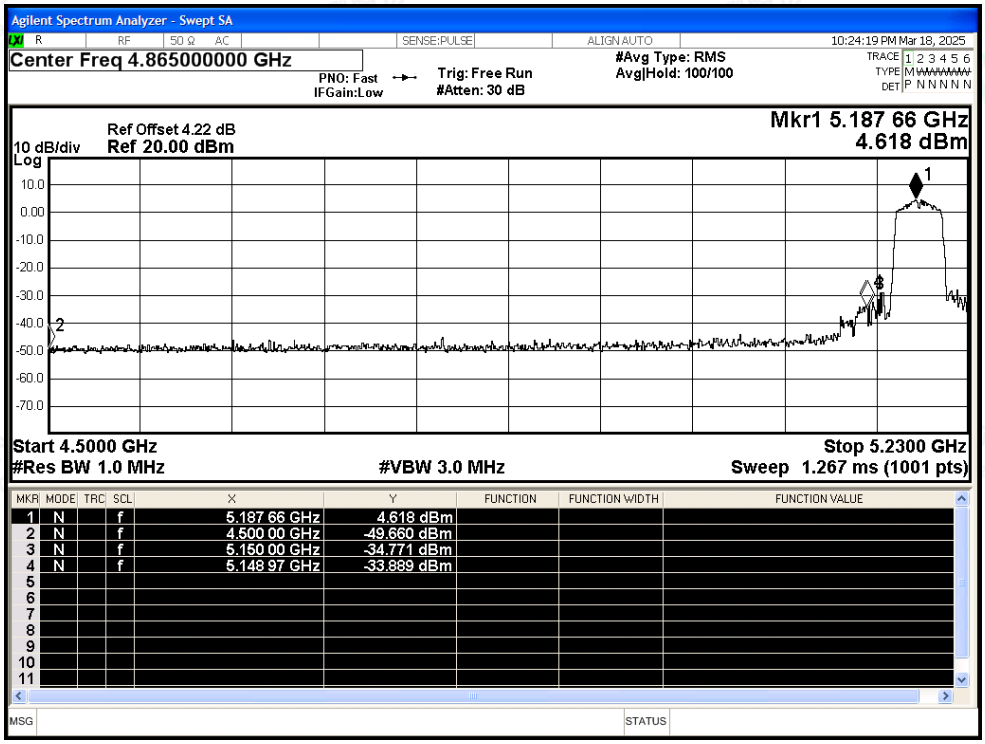
Restrict Band NVNT ac20 5240MHz Ant Peak



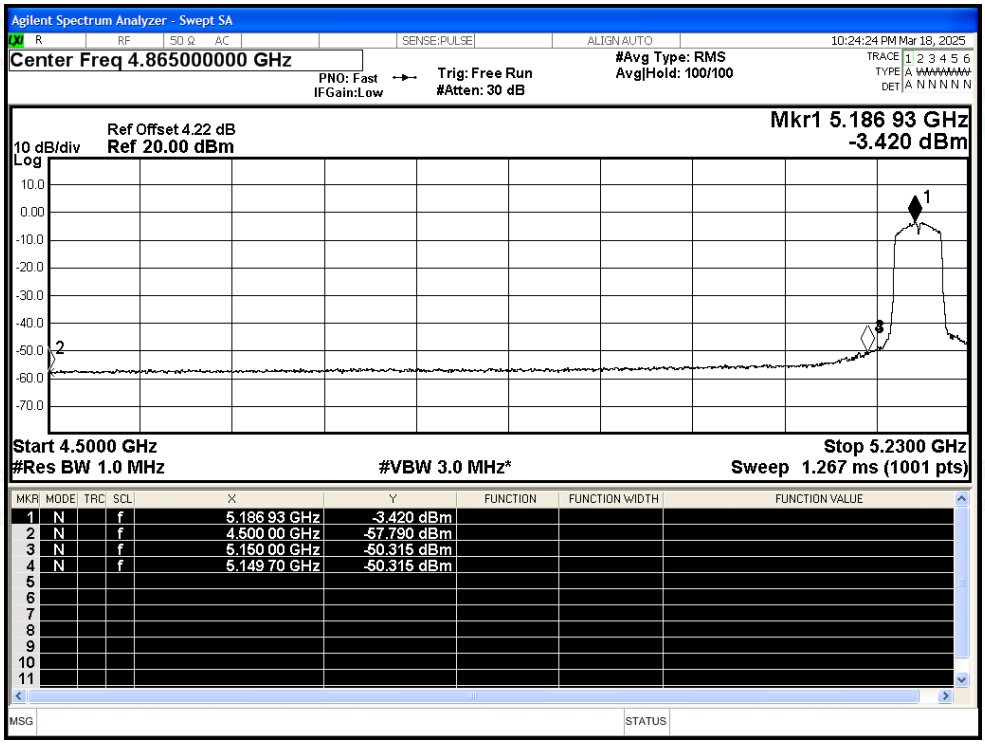
Restrict Band NVNT ac20 5240MHz Ant Average



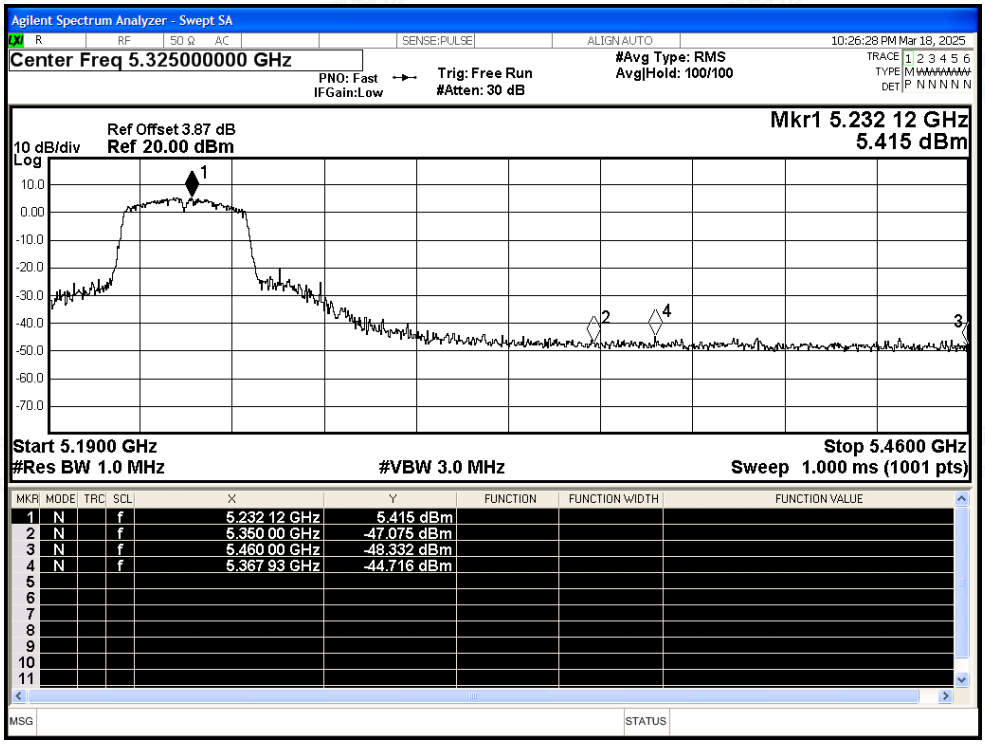
Restrict Band NVNT ac40 5190MHz Ant Peak



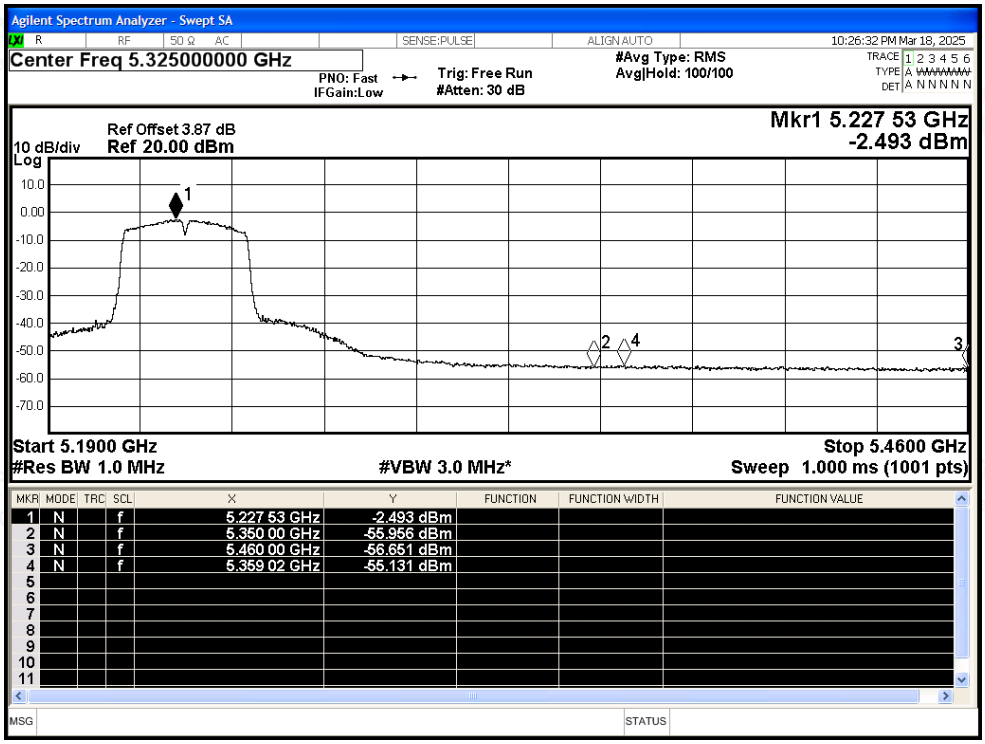
Restrict Band NVNT ac40 5190MHz Ant Average



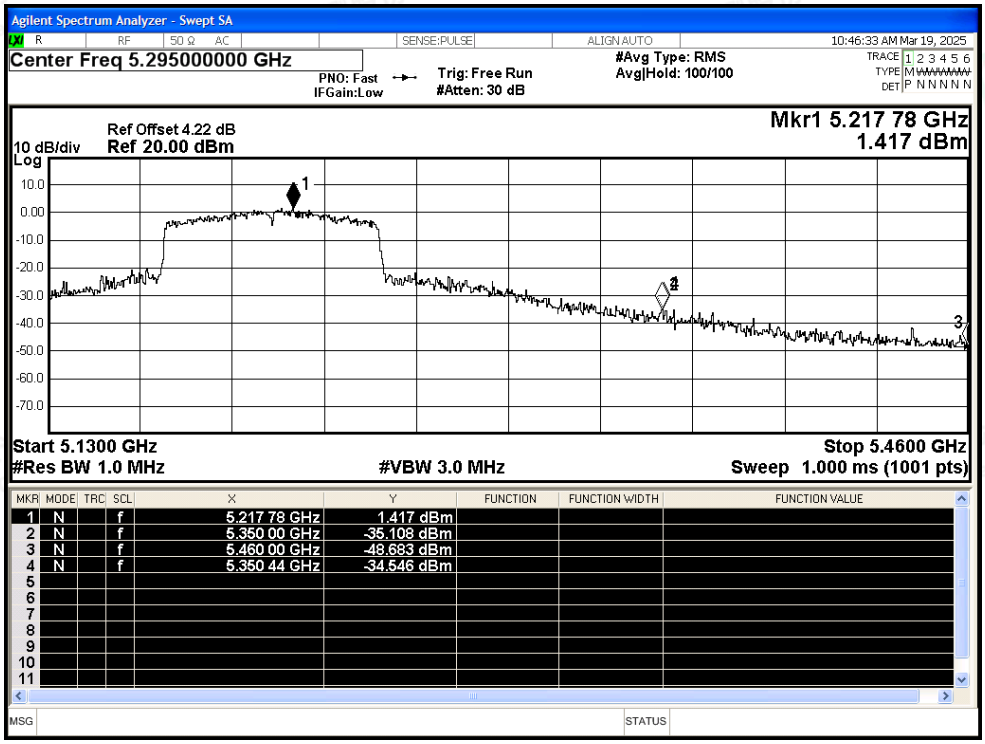
Restrict Band NVNT ac40 5230MHz Ant Peak



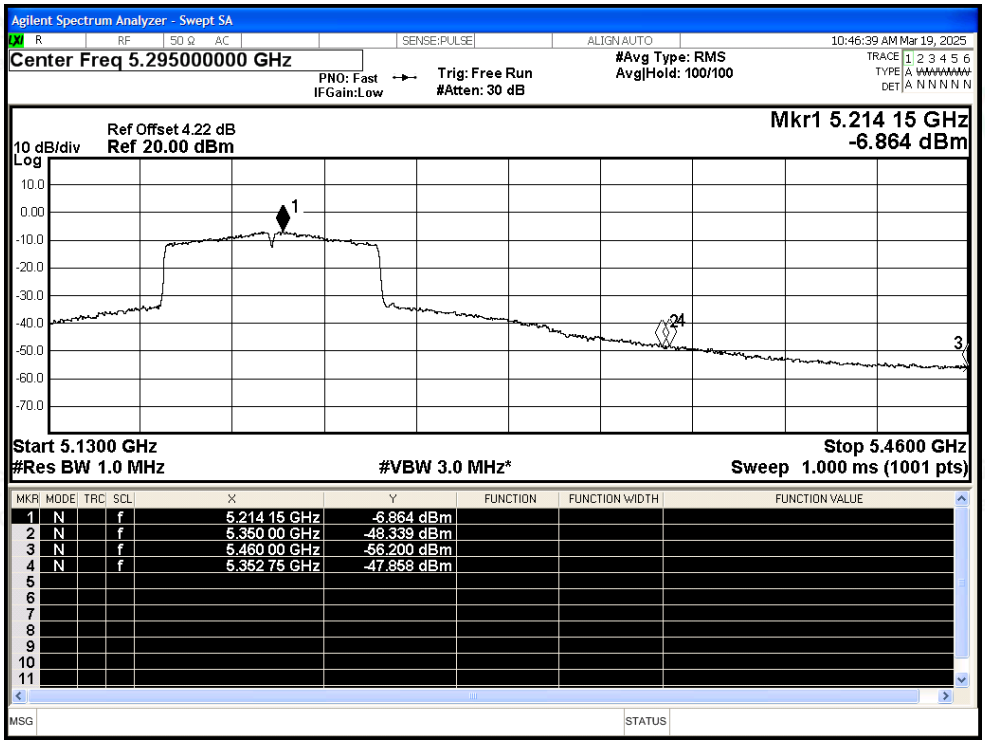
Restrict Band NVNT ac40 5230MHz Ant Average



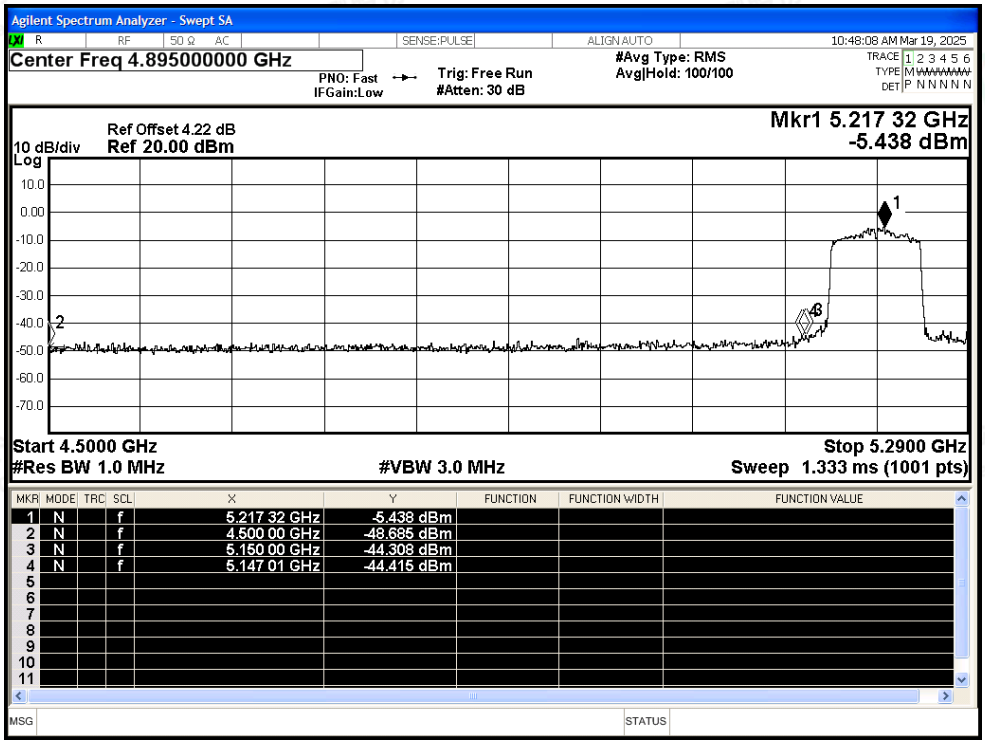
Restrict Band NVNT ac80 5210MHz Ant Peak



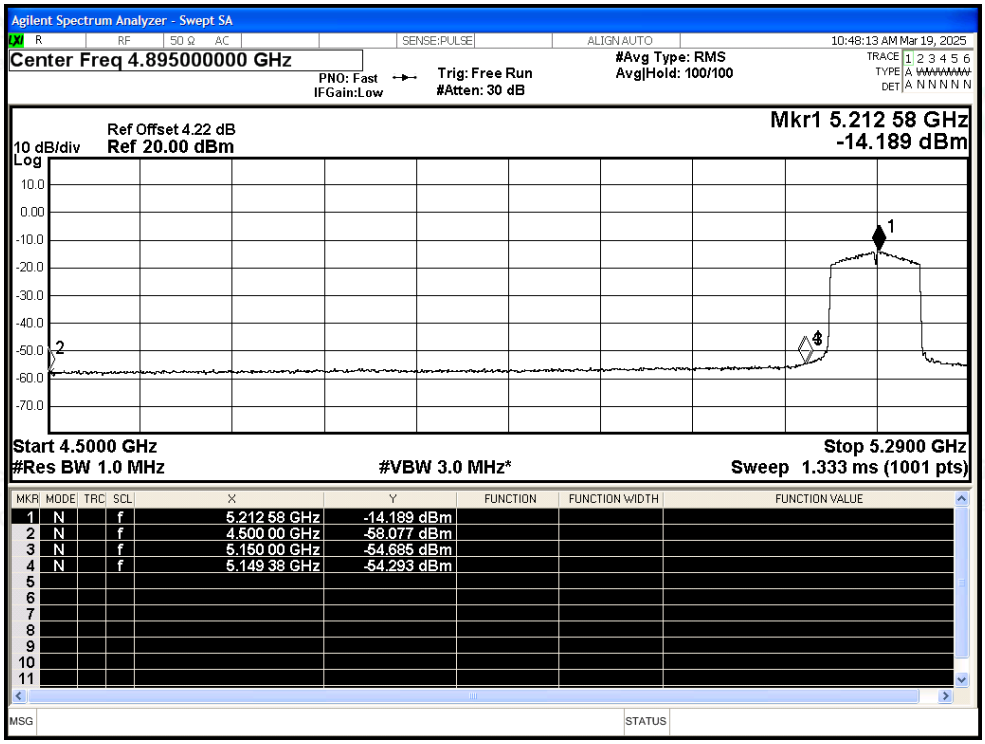
Restrict Band NVNT ac80 5210MHz Ant Average



Restrict Band NVNT ac80 5210MHz Ant Peak



Restrict Band NVNT ac80 5210MHz Ant Average

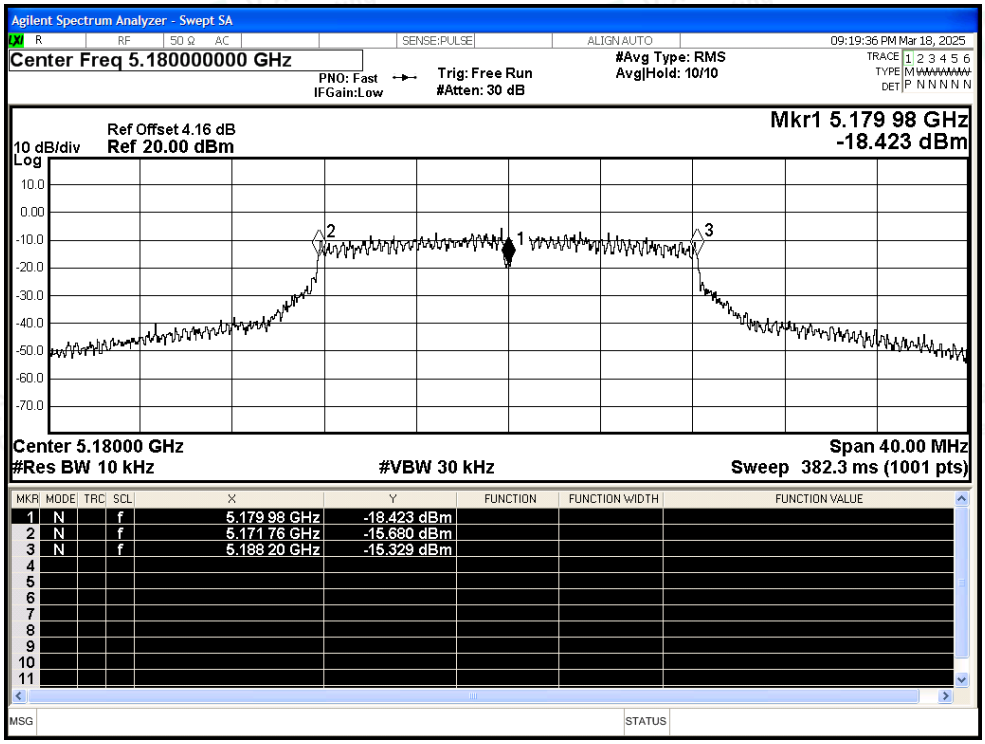


D.5 Frequency Stability

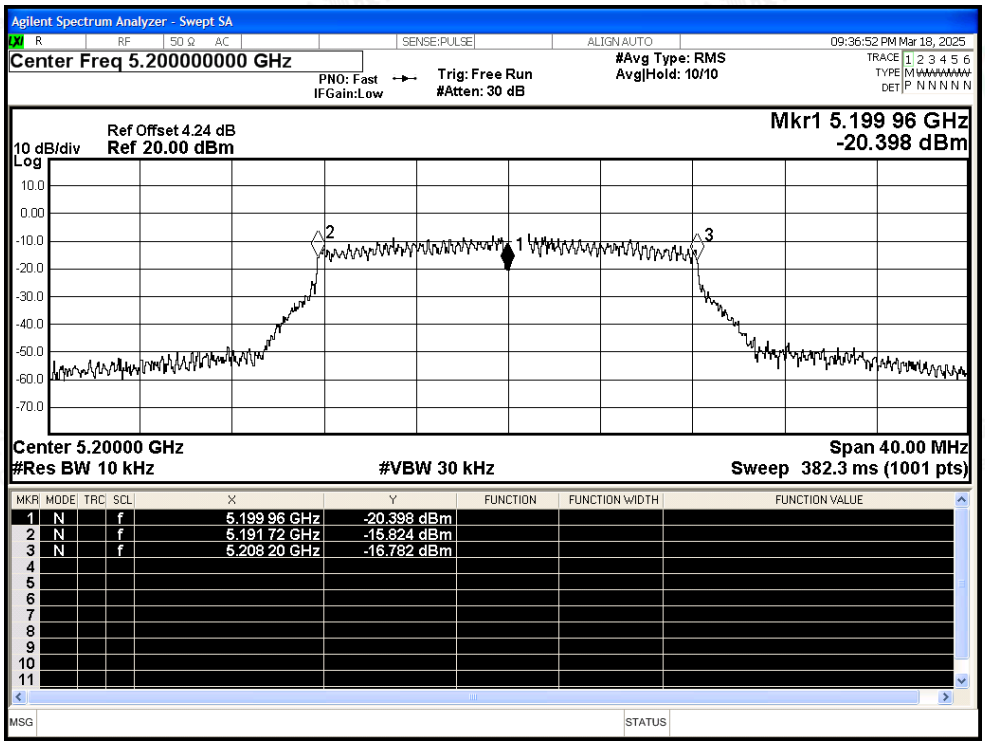
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5180	Ant	5179.98	-20000	-3.86	25	Pass
NVNT	a	5200	Ant	5199.96	-40000	-7.69	25	Pass
NVNT	a	5240	Ant	5239.96	-40000	-7.63	25	Pass
NVNT	n20	5180	Ant	5180	0	0	25	Pass
NVNT	n20	5200	Ant	5199.98	-20000	-3.85	25	Pass
NVNT	n20	5240	Ant	5240	0	0	25	Pass
NVNT	n40	5190	Ant	5189.96	-40000	-7.71	25	Pass
NVNT	n40	5230	Ant	5229.96	-40000	-7.65	25	Pass
NVNT	ac20	5180	Ant	5179.96	-40000	-7.72	25	Pass
NVNT	ac20	5200	Ant	5199.96	-40000	-7.69	25	Pass
NVNT	ac20	5240	Ant	5240	0	0	25	Pass
NVNT	ac40	5190	Ant	5190	0	0	25	Pass
NVNT	ac40	5230	Ant	5229.96	-40000	-7.65	25	Pass
NVNT	ac80	5210	Ant	5210	0	0	25	Pass

Test Graphs

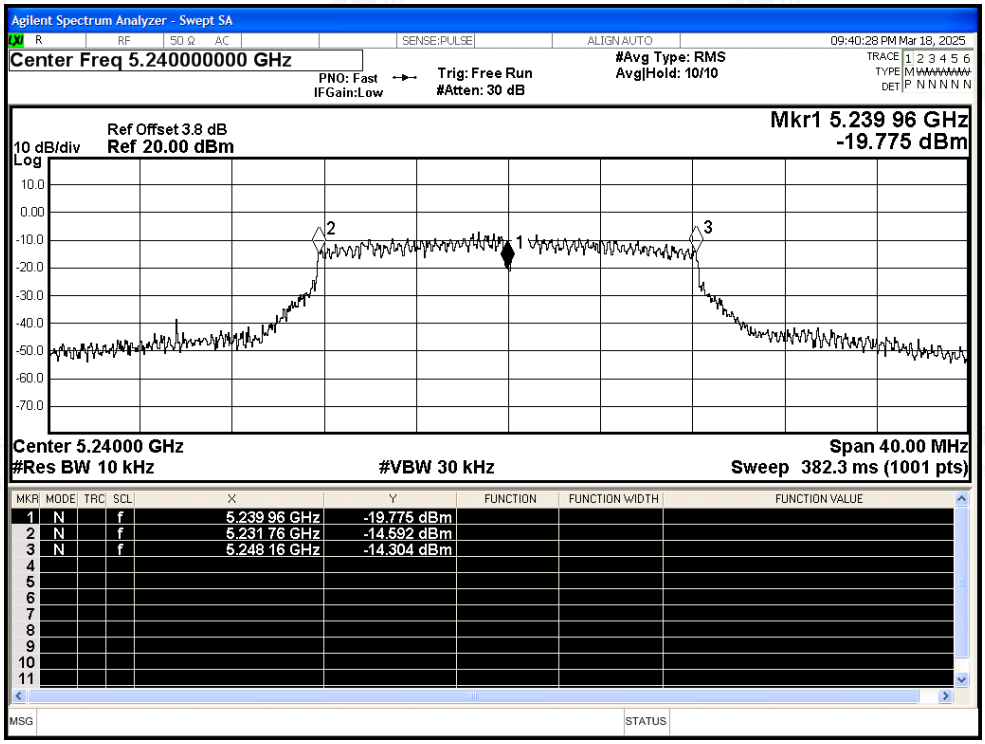
Freq. Stability NVNT a 5180MHz Ant



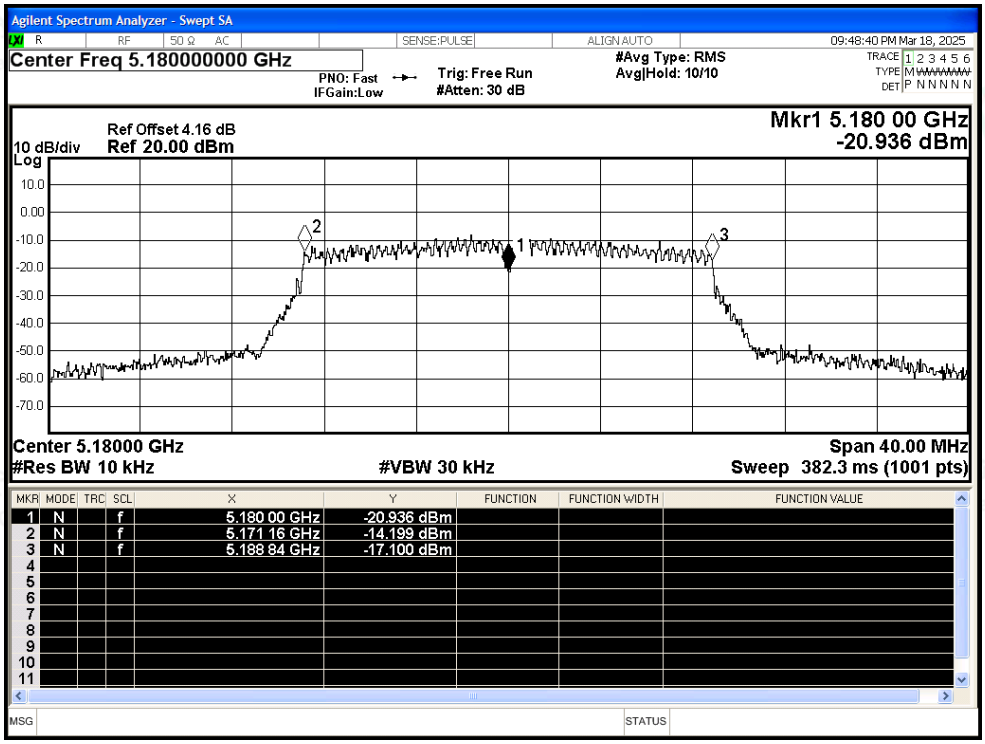
Freq. Stability NVNT a 5200MHz Ant



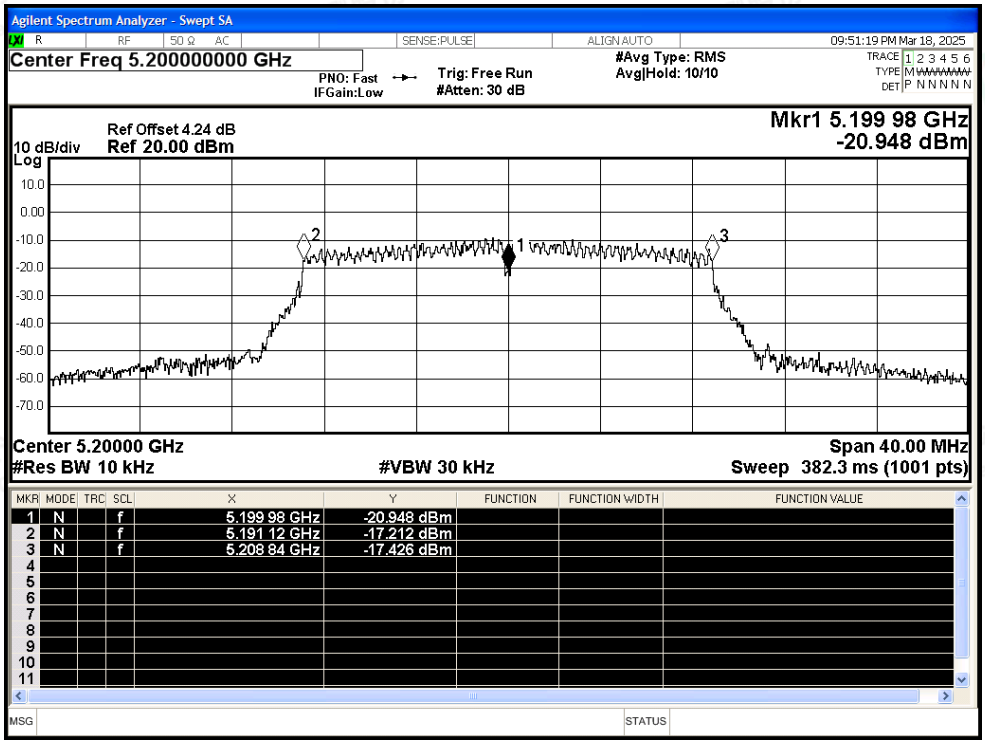
Freq. Stability NVNT a 5240MHz Ant



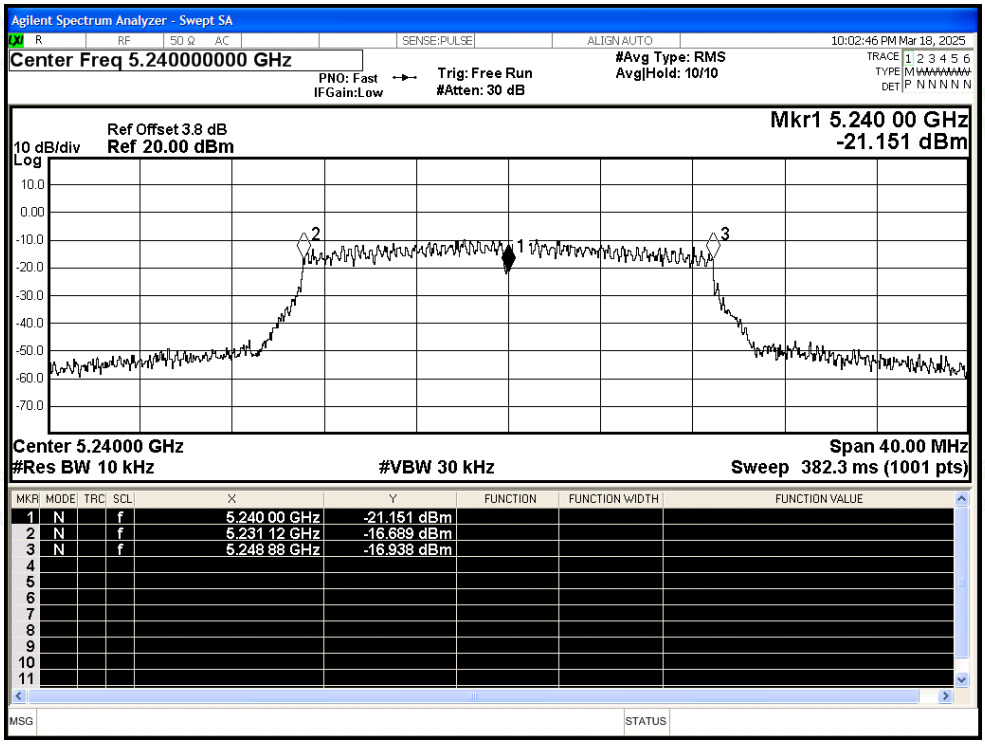
Freq. Stability NVNT n20 5180MHz Ant



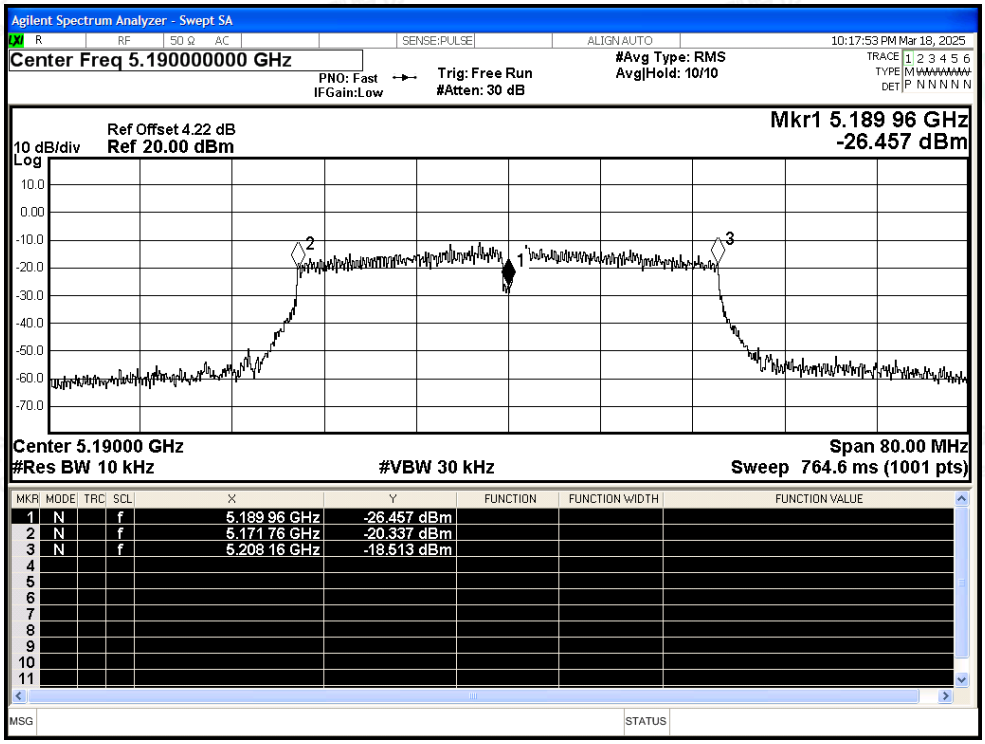
Freq. Stability NVNT n20 5200MHz Ant



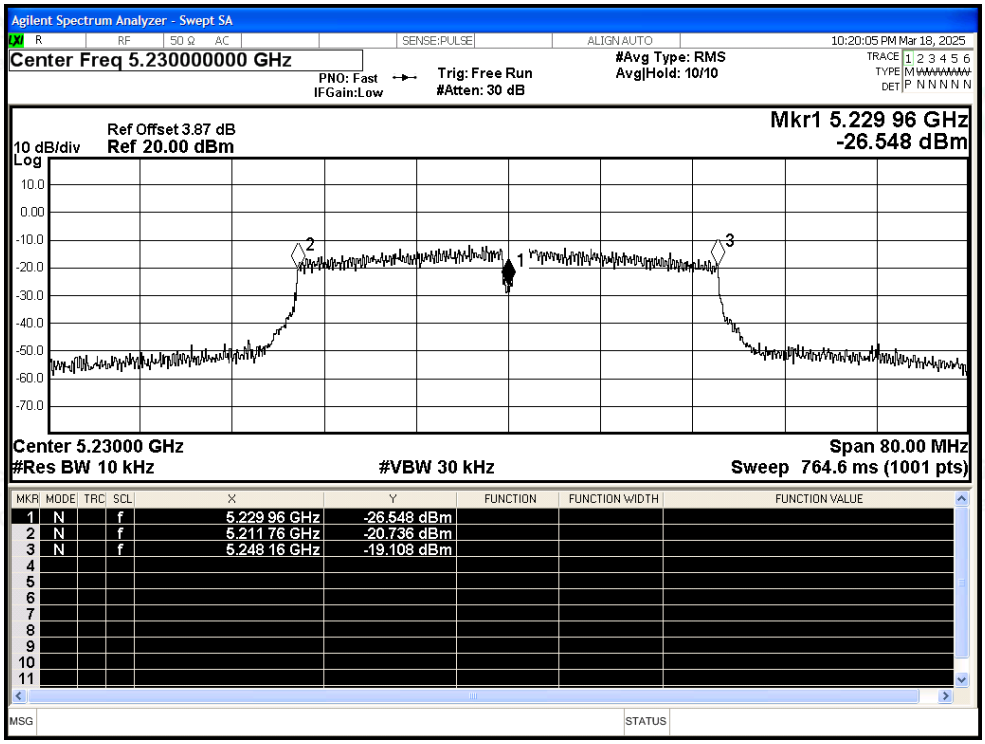
Freq. Stability NVNT n20 5240MHz Ant



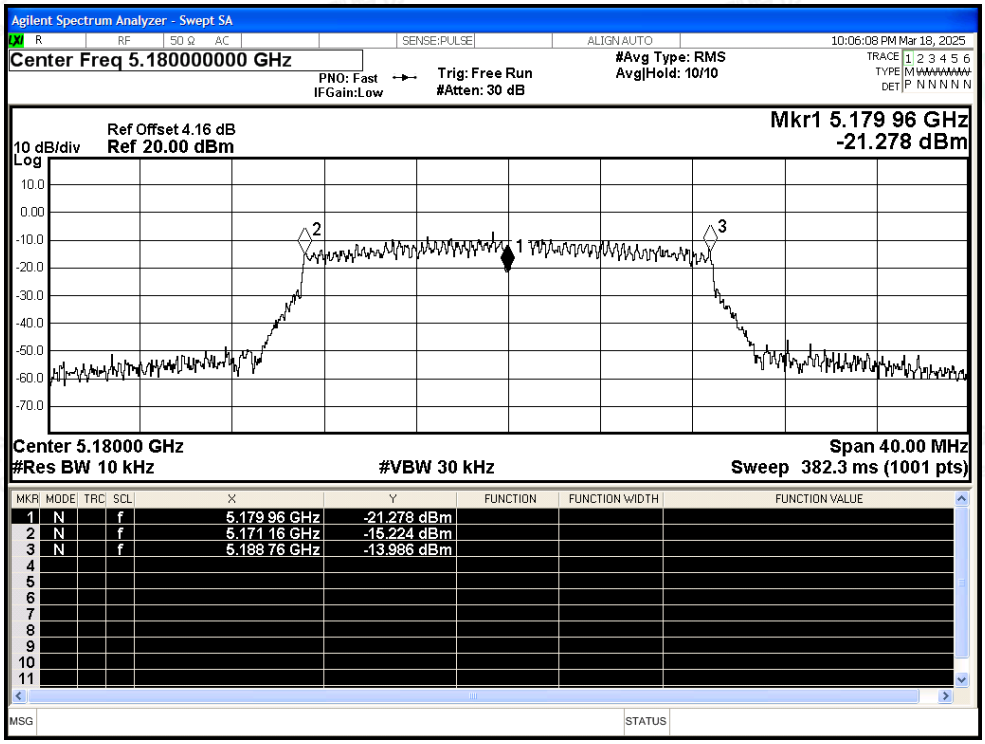
Freq. Stability NVNT n40 5190MHz Ant



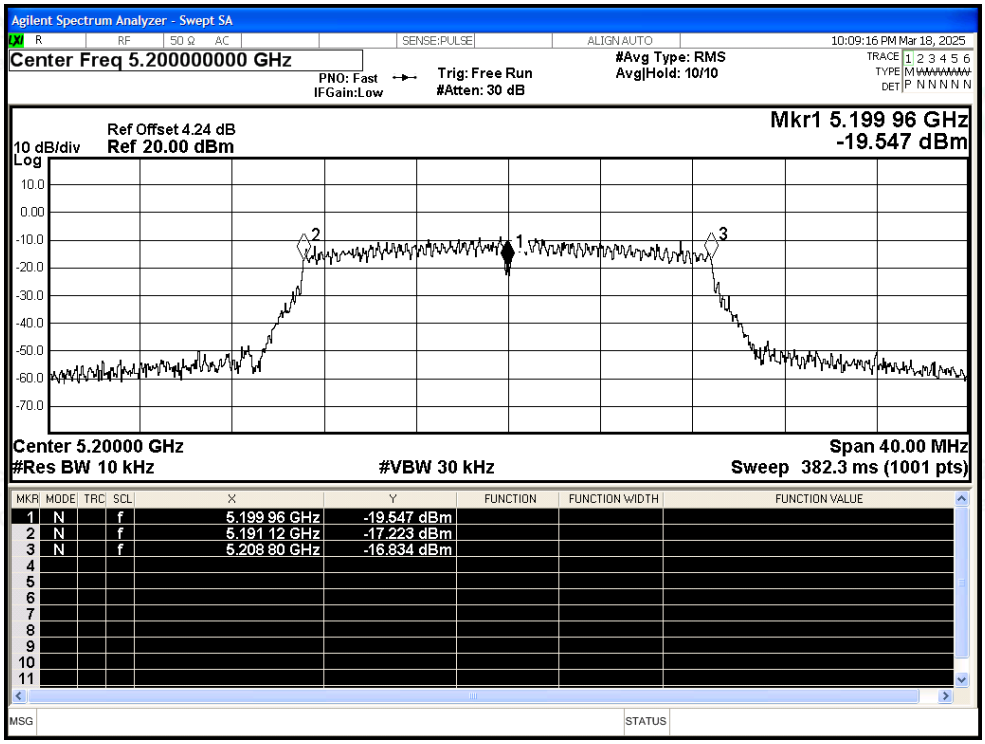
Freq. Stability NVNT n40 5230MHz Ant



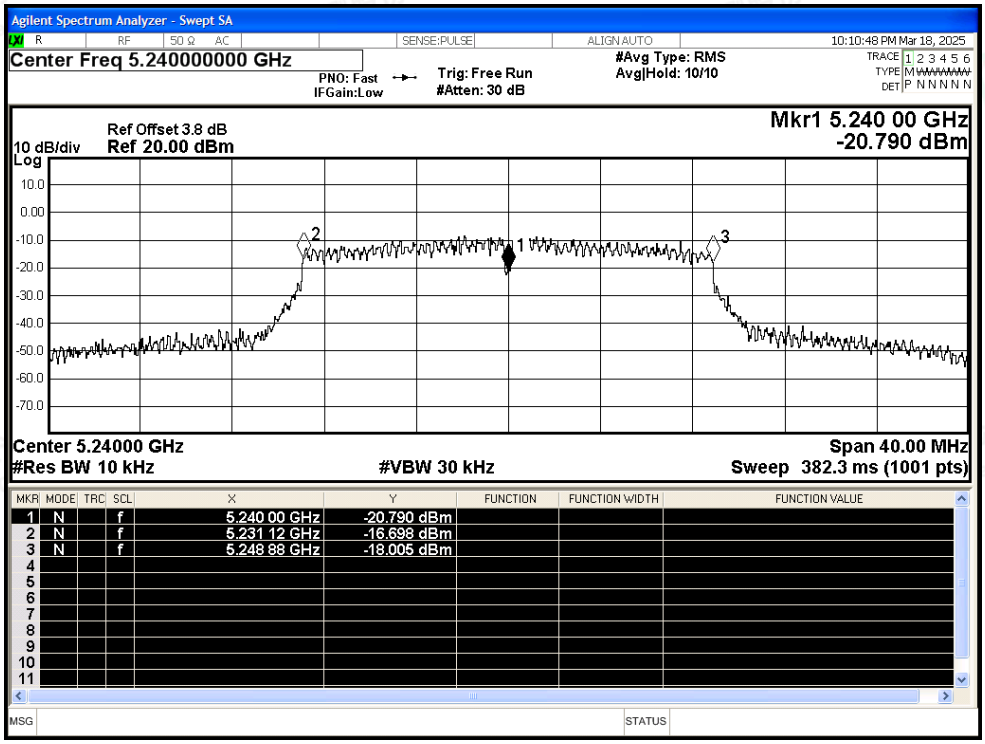
Freq. Stability NVNT ac20 5180MHz Ant



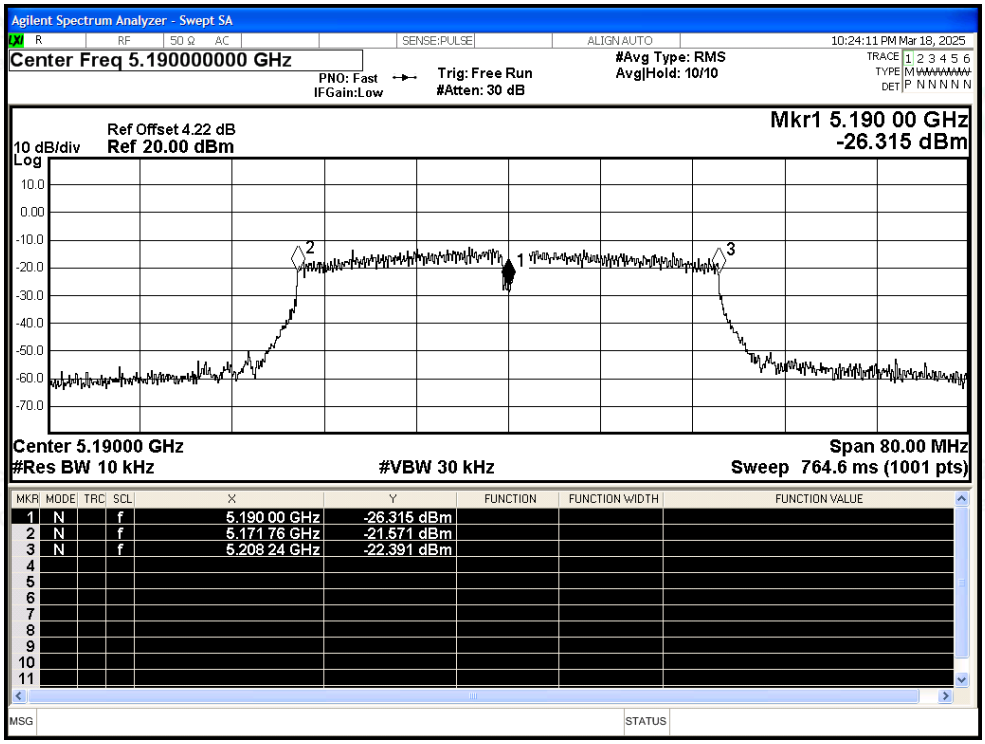
Freq. Stability NVNT ac20 5200MHz Ant



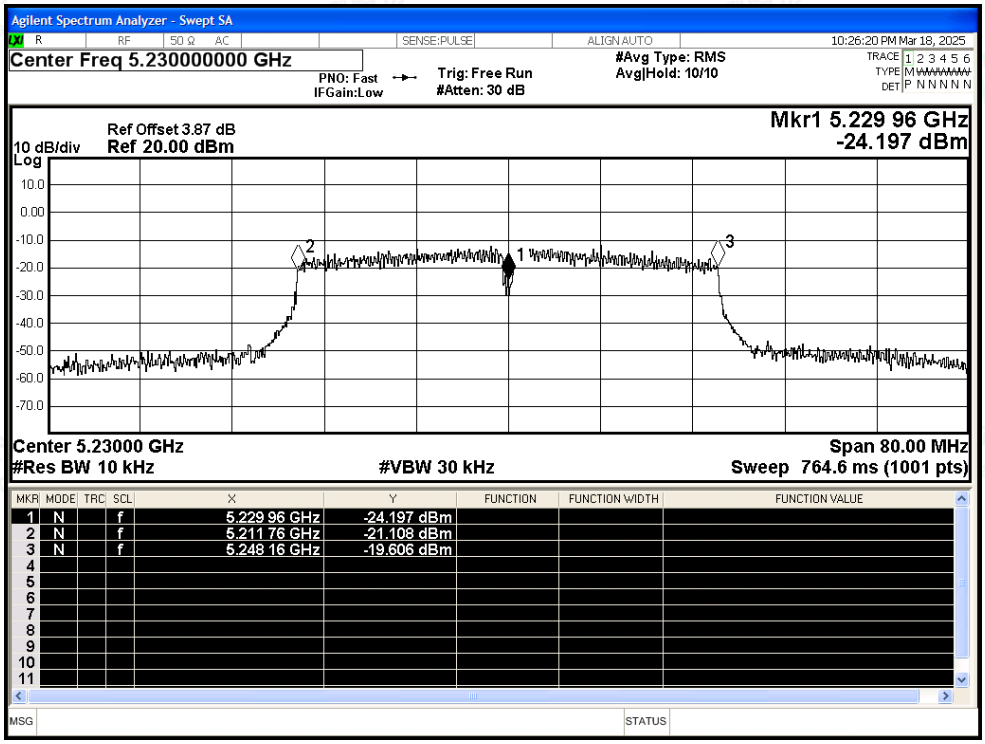
Freq. Stability NVNT ac20 5240MHz Ant



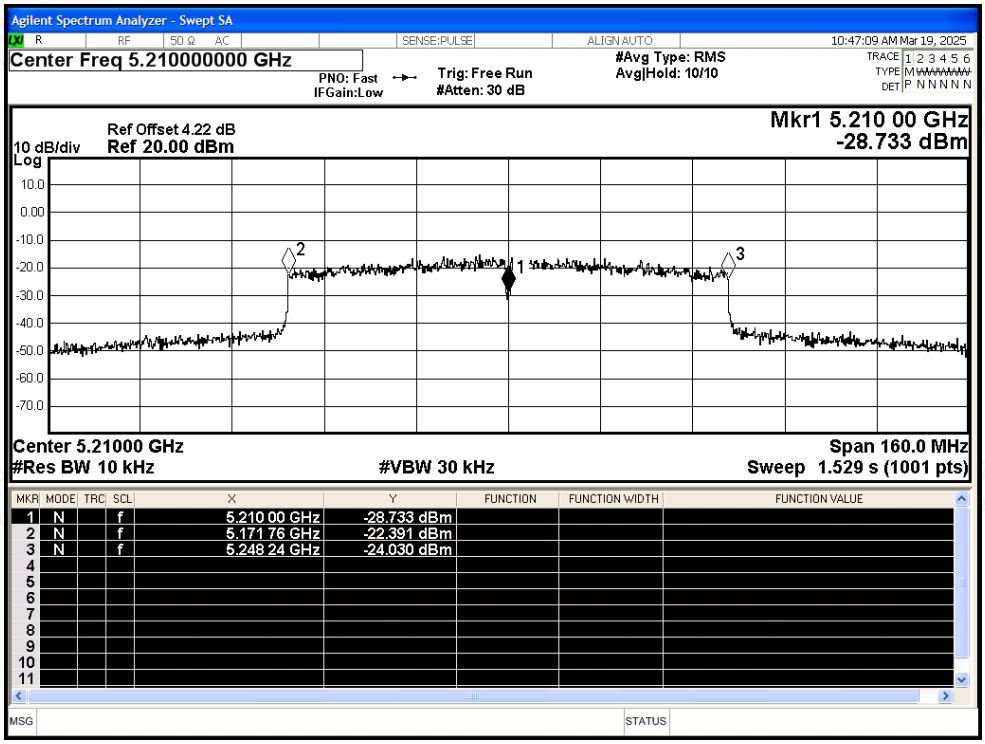
Freq. Stability NVNT ac40 5190MHz Ant



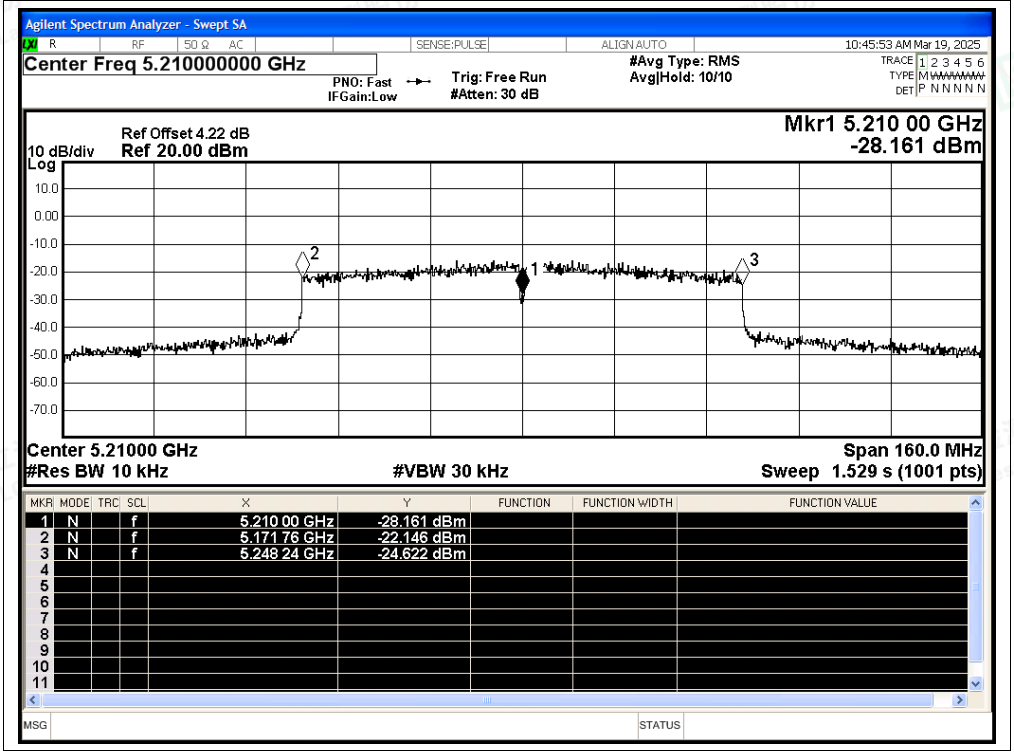
Freq. Stability NVNT ac40 5230MHz Ant



Freq. Stability NVNT ac80 5210MHz Ant



Freq. Stability NVNT ac80 5210MHz Ant

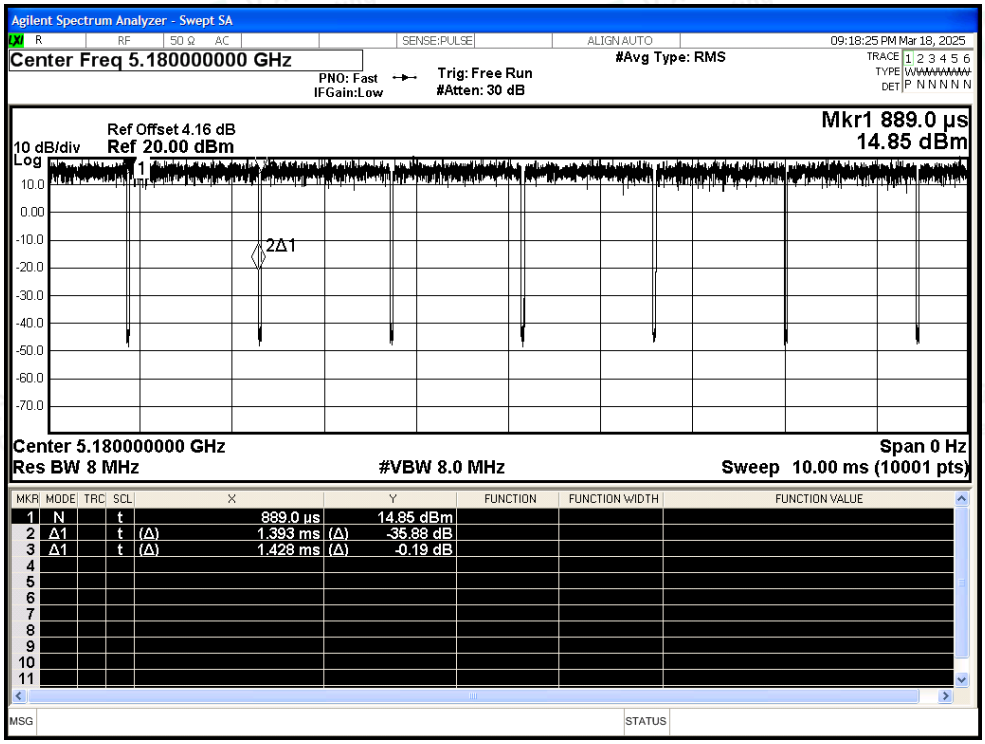


D.6 Duty Cycle

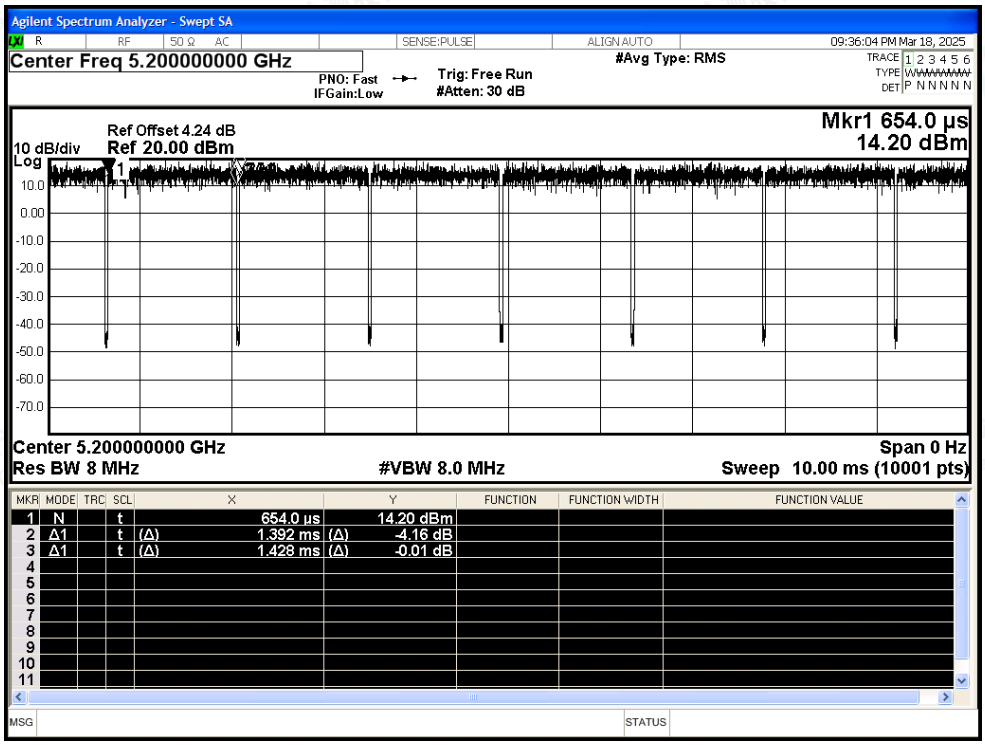
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant	97.55	0.11	0.72
NVNT	a	5200	Ant	97.48	0.11	0.72
NVNT	a	5240	Ant	97.48	0.11	0.72
NVNT	n20	5180	Ant	97.38	0.12	0.77
NVNT	n20	5200	Ant	97.31	0.12	0.77
NVNT	n20	5240	Ant	97.31	0.12	0.77
NVNT	n40	5190	Ant	94.98	0.22	1.53
NVNT	n40	5230	Ant	94.94	0.23	1.53
NVNT	ac20	5180	Ant	97.39	0.11	0.76
NVNT	ac20	5200	Ant	97.33	0.12	0.76
NVNT	ac20	5240	Ant	97.4	0.11	0.76
NVNT	ac40	5190	Ant	94.93	0.23	1.53
NVNT	ac40	5230	Ant	94.98	0.22	1.53
NVNT	ac80	5210	Ant	90.41	0.44	3.08

Test Graphs

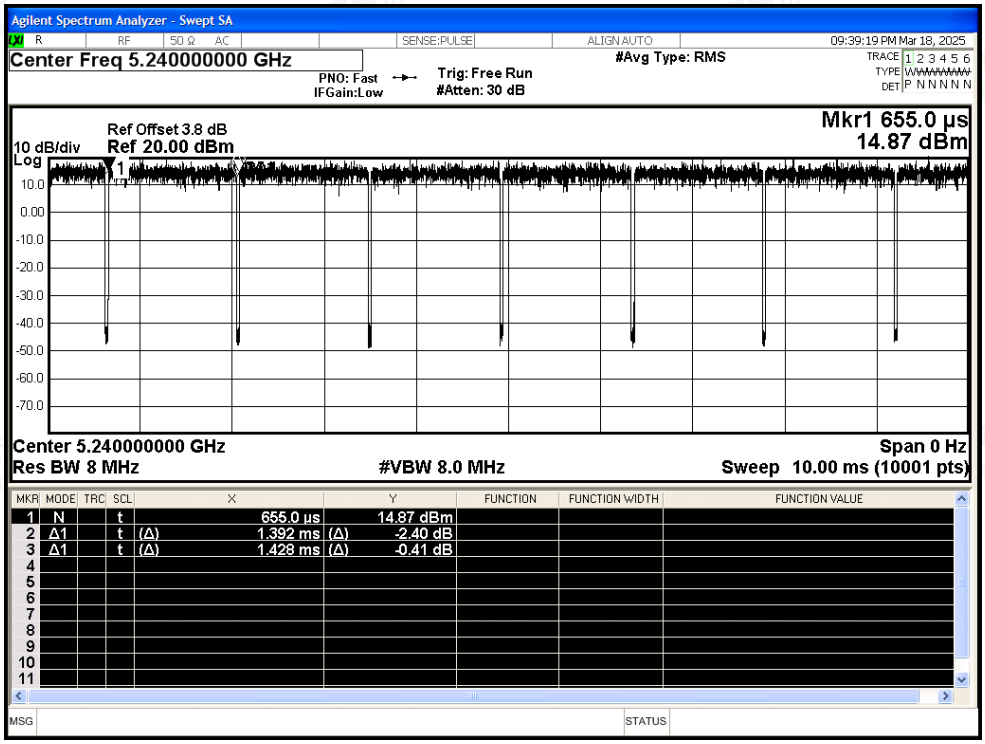
Duty Cycle NVNT a 5180MHz Ant



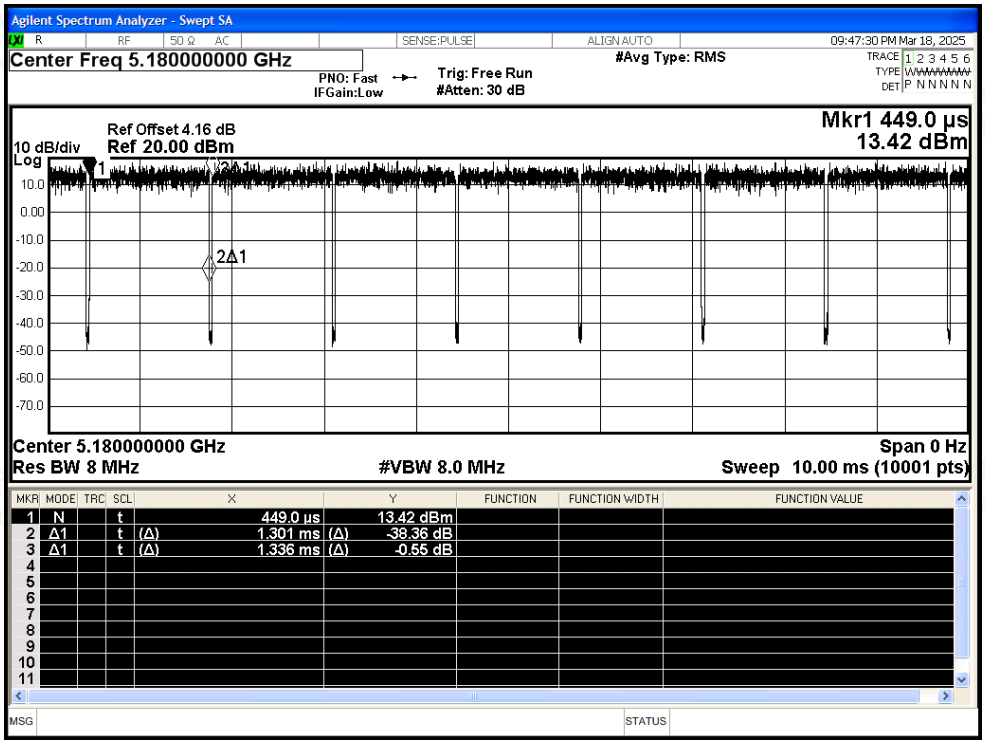
Duty Cycle NVNT a 5200MHz Ant



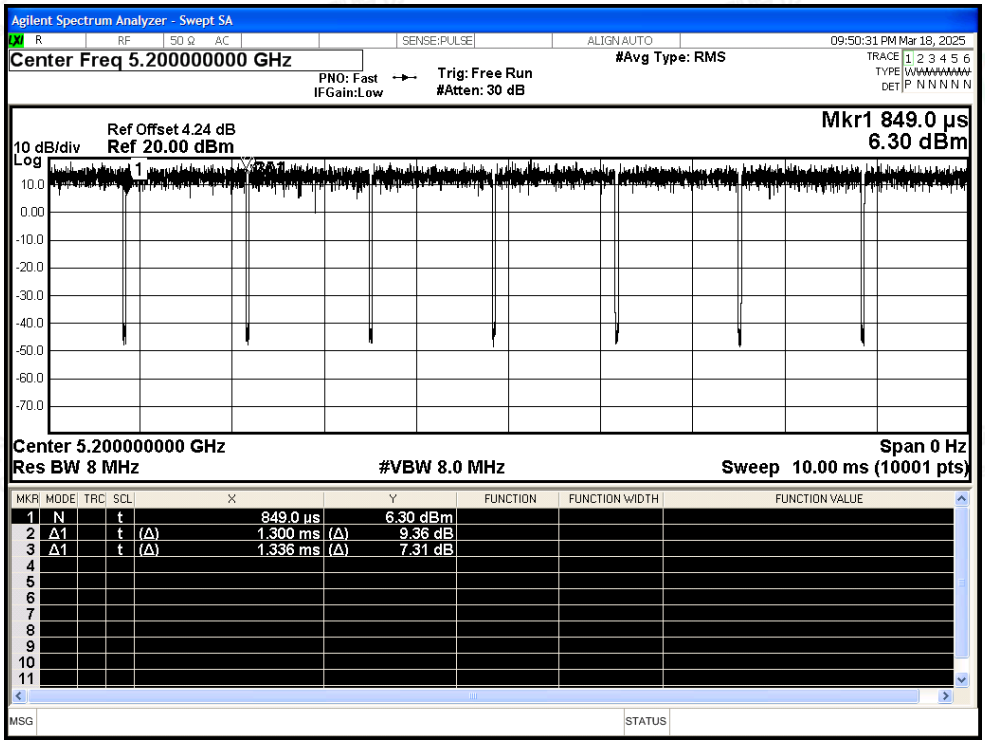
Duty Cycle NVNT a 5240MHz Ant



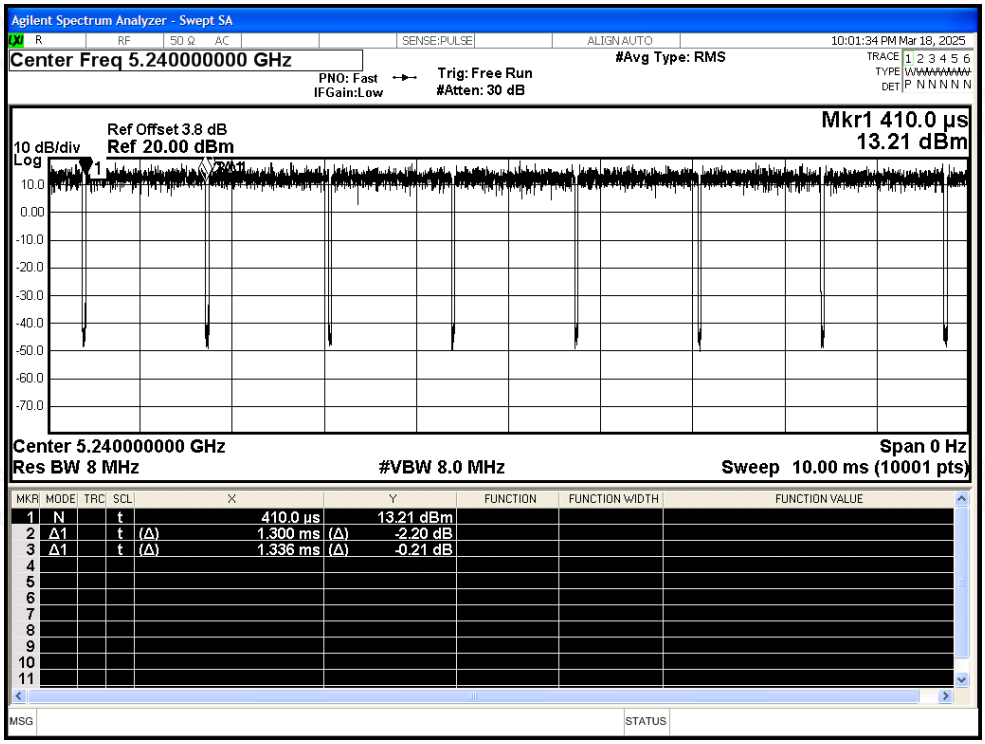
Duty Cycle NVNT n20 5180MHz Ant



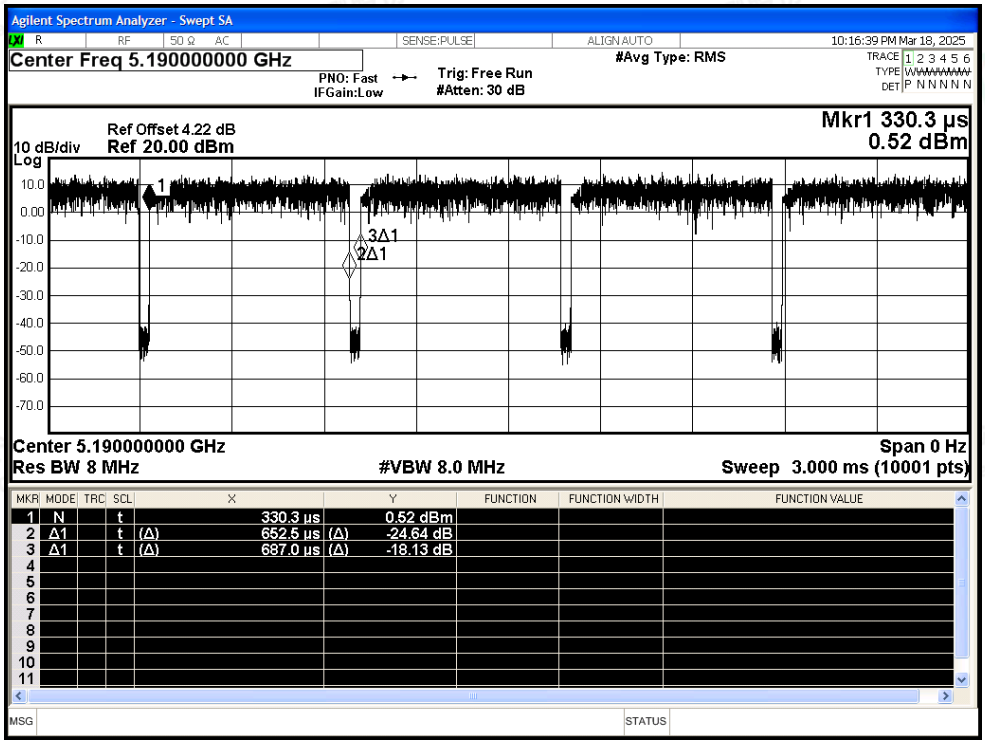
Duty Cycle NVNT n20 5200MHz Ant



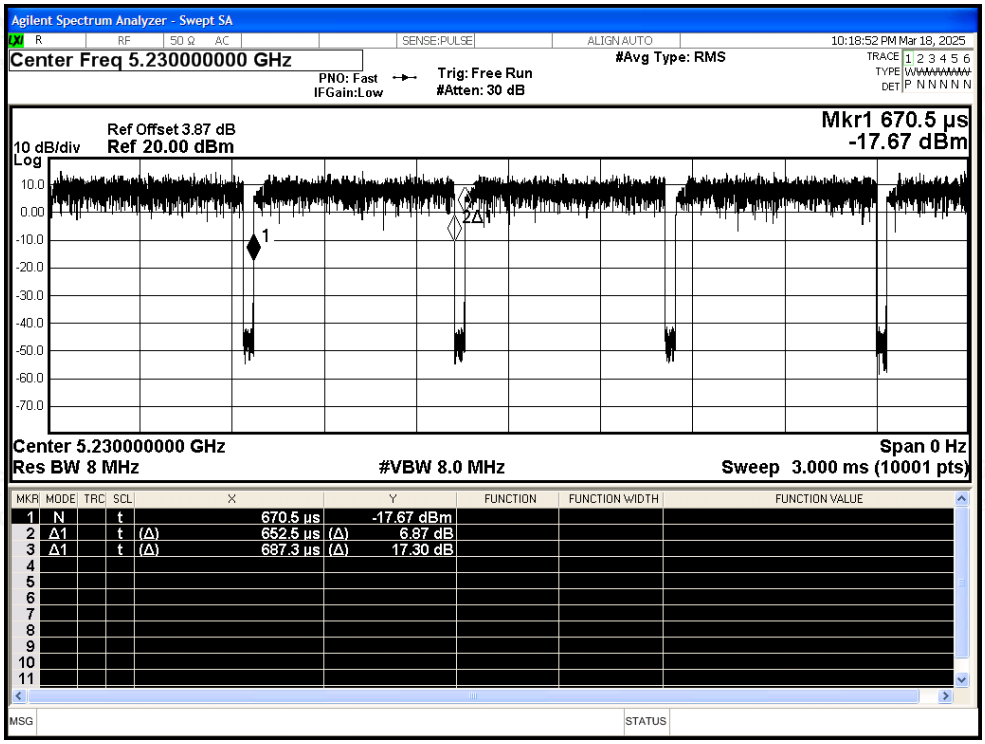
Duty Cycle NVNT n20 5240MHz Ant



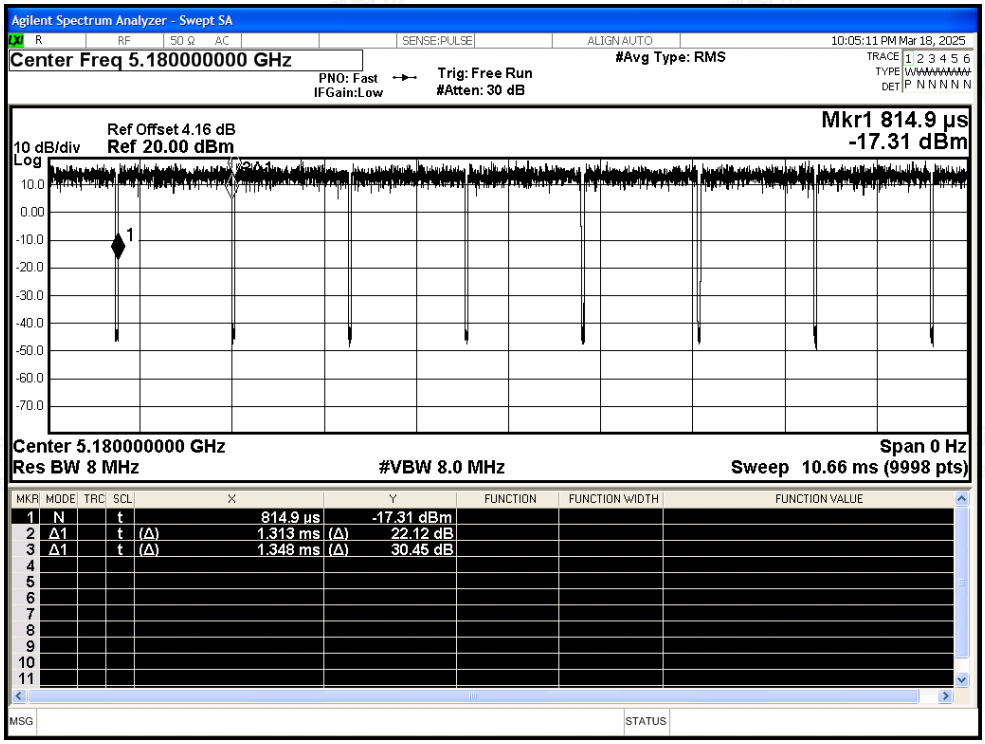
Duty Cycle NVNT n40 5190MHz Ant



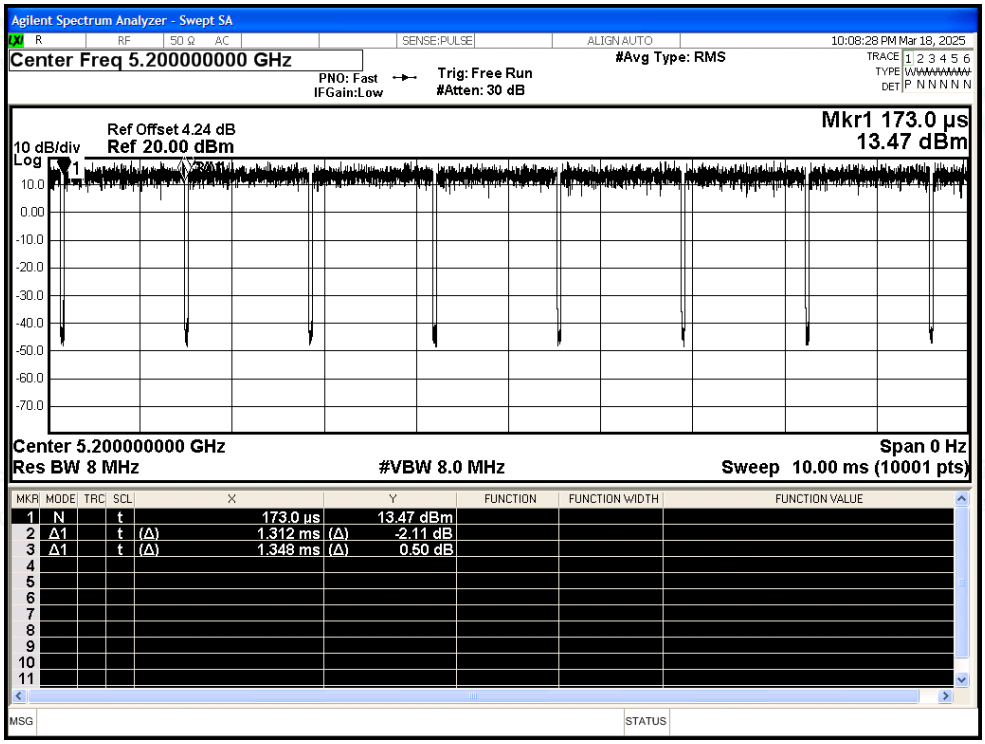
Duty Cycle NVNT n40 5230MHz Ant



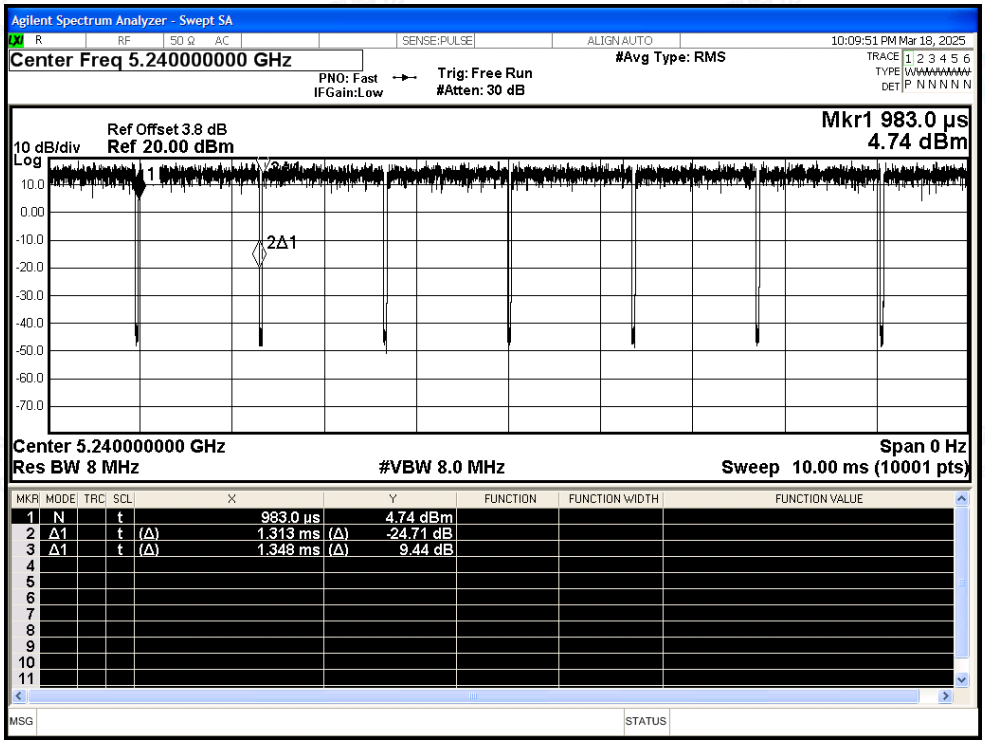
Duty Cycle NVNT ac20 5180MHz Ant



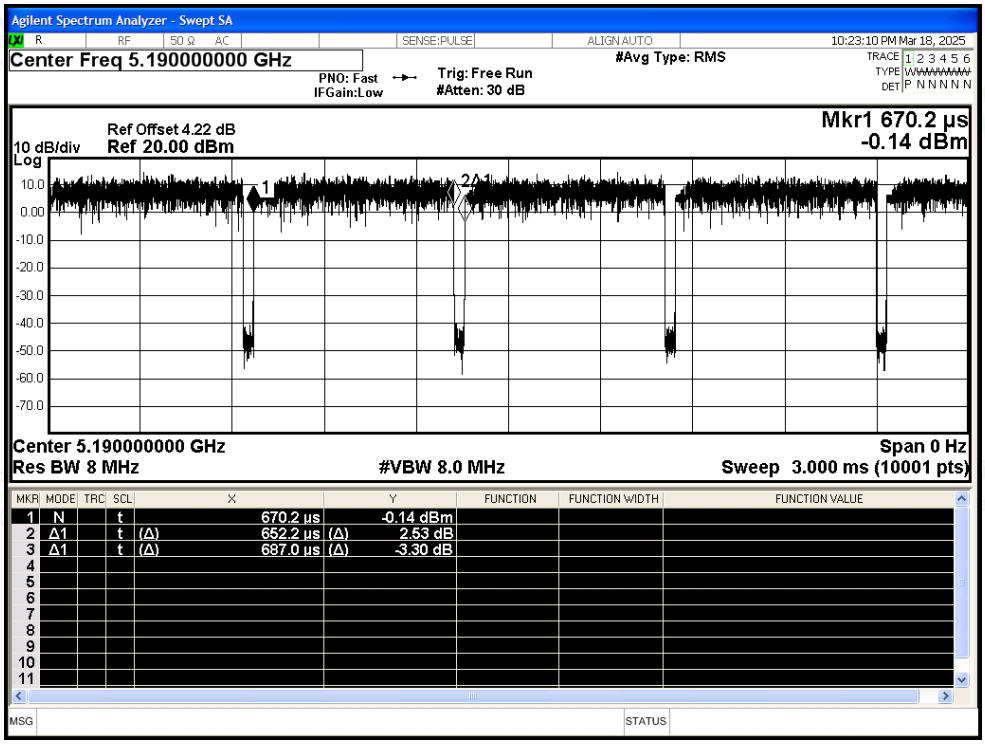
Duty Cycle NVNT ac20 5200MHz Ant



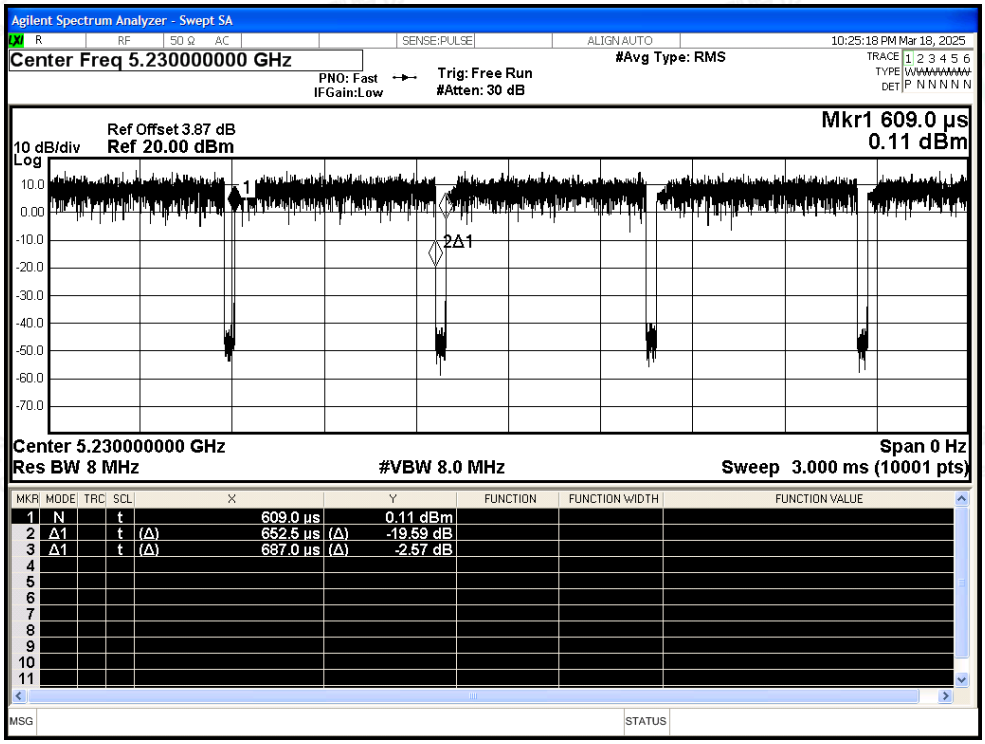
Duty Cycle NVNT ac20 5240MHz Ant



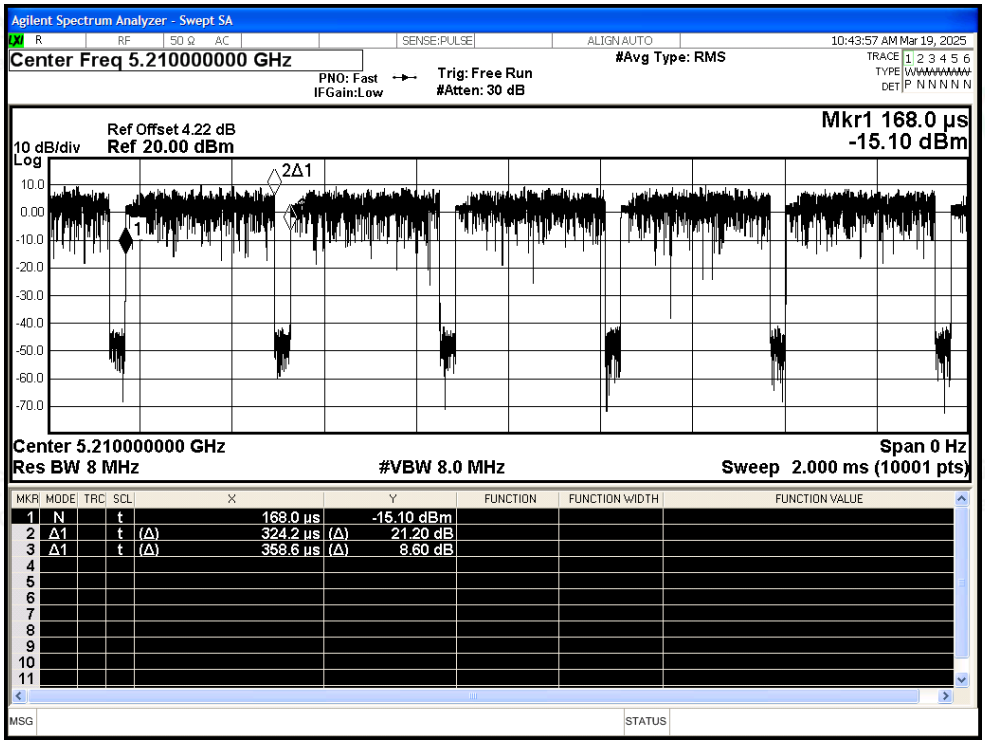
Duty Cycle NVNT ac40 5190MHz Ant



Duty Cycle NVNT ac40 5230MHz Ant



Duty Cycle NVNT ac80 5210MHz Ant



Appendix E

RF Test Data for 5.3GWIFI (Conducted Measurement)

Product Name: Smart Phone

Test Model: BraX3

Environmental Conditions

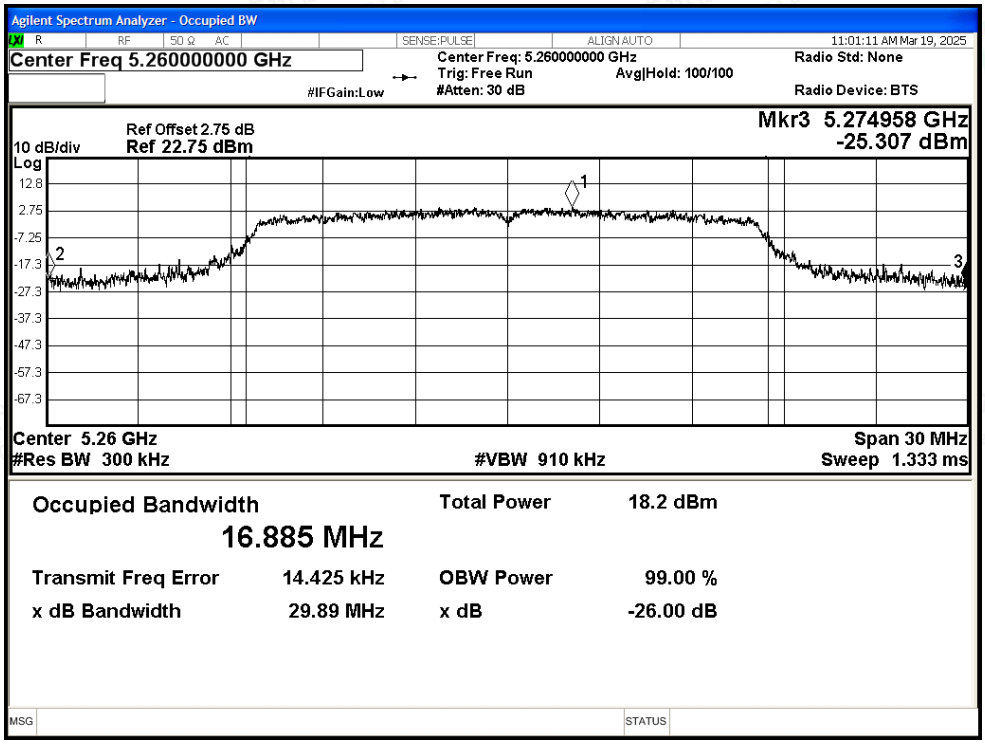
Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng

E.1 -26dB Bandwidth

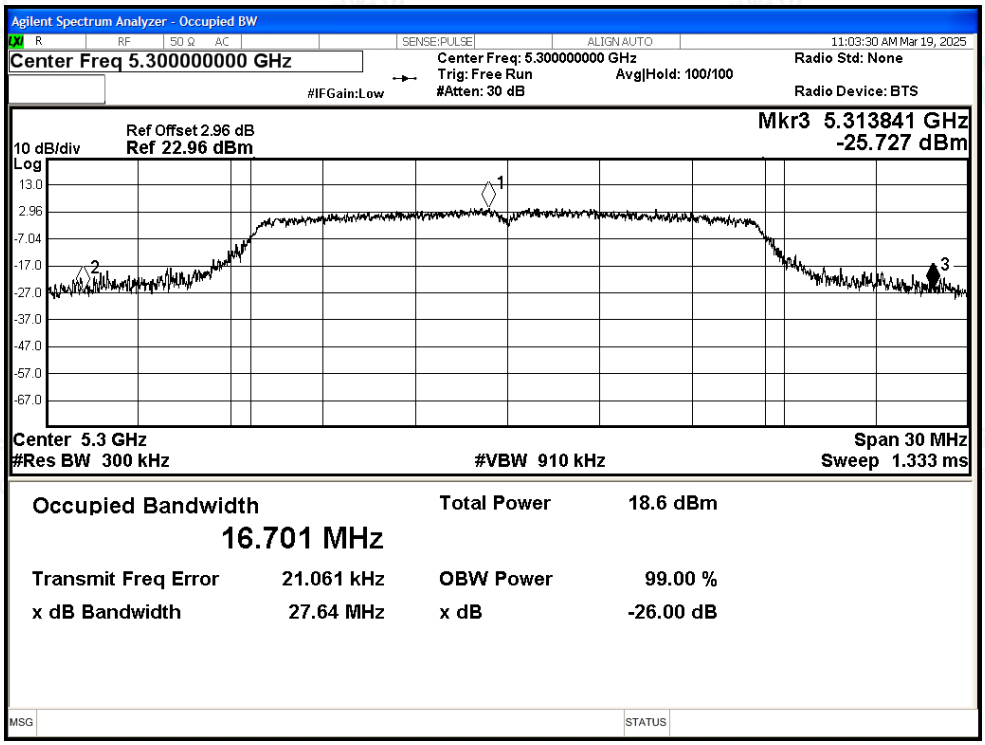
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5260	Ant	29.887	---	Pass
NVNT	a	5300	Ant	27.64	---	Pass
NVNT	a	5320	Ant	28.869	---	Pass
NVNT	n20	5260	Ant	26.005	---	Pass
NVNT	n20	5300	Ant	23.222	---	Pass
NVNT	n20	5320	Ant	26.869	---	Pass
NVNT	n40	5270	Ant	42.819	---	Pass
NVNT	n40	5310	Ant	40.466	---	Pass
NVNT	ac20	5260	Ant	23.154	---	Pass
NVNT	ac20	5300	Ant	24.003	---	Pass
NVNT	ac20	5320	Ant	24.32	---	Pass
NVNT	ac40	5270	Ant	40.752	---	Pass
NVNT	ac40	5310	Ant	40.923	---	Pass
NVNT	ac80	5290	Ant	80.693	---	Pass

Test Graphs

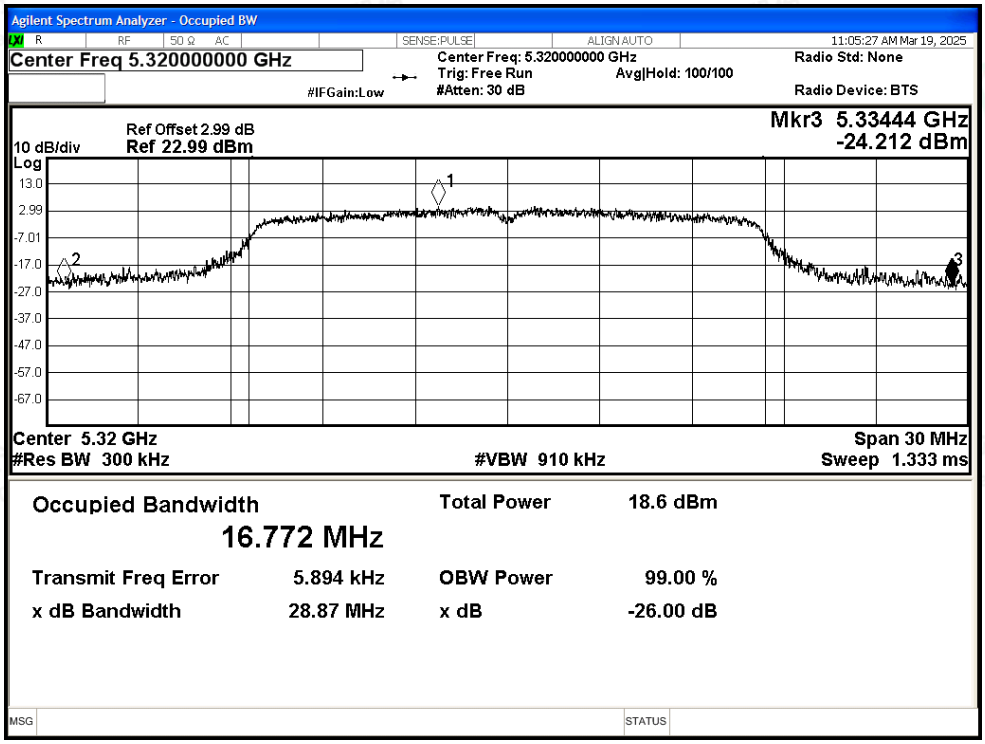
-26dB Bandwidth NVNT a 5260MHz Ant



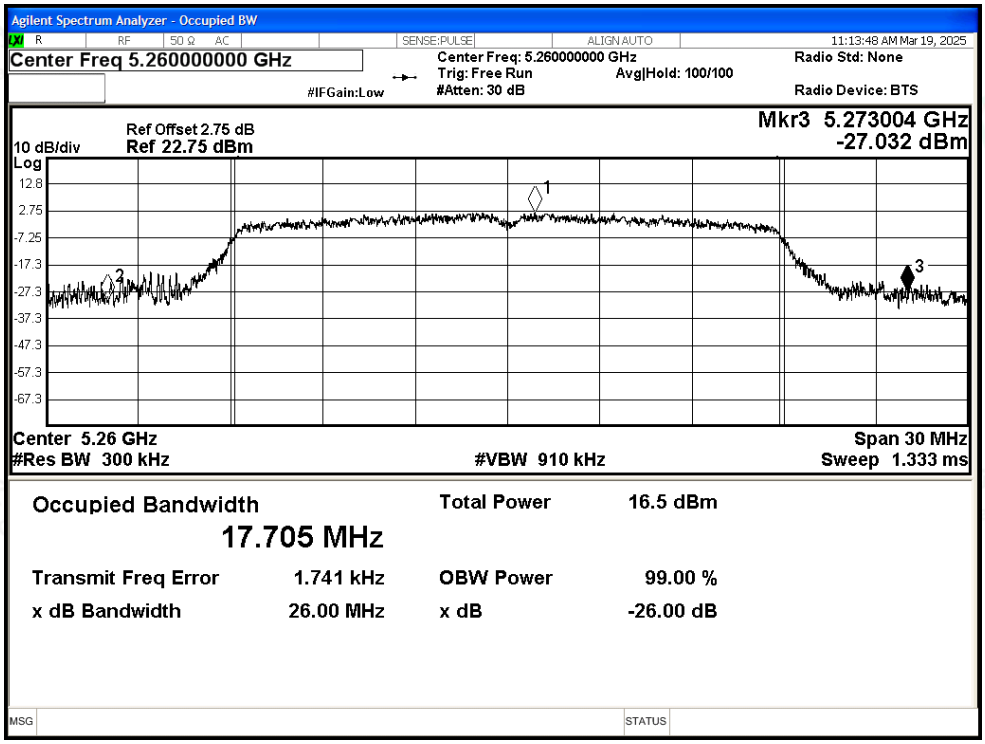
-26dB Bandwidth NVNT a 5300MHz Ant



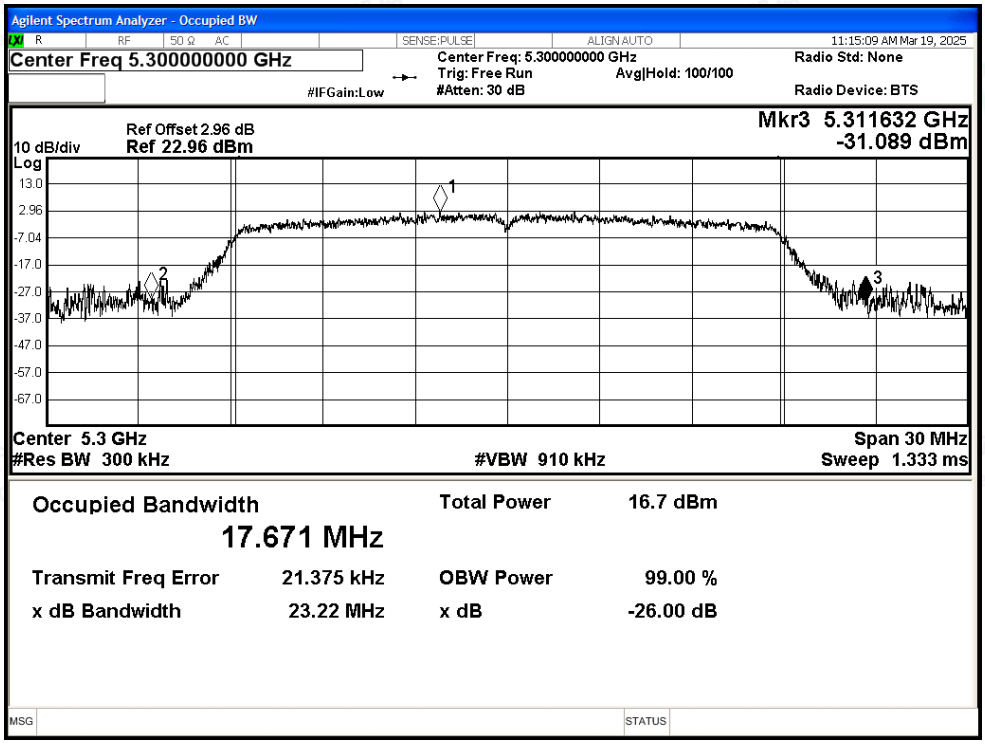
-26dB Bandwidth NVNT a 5320MHz Ant



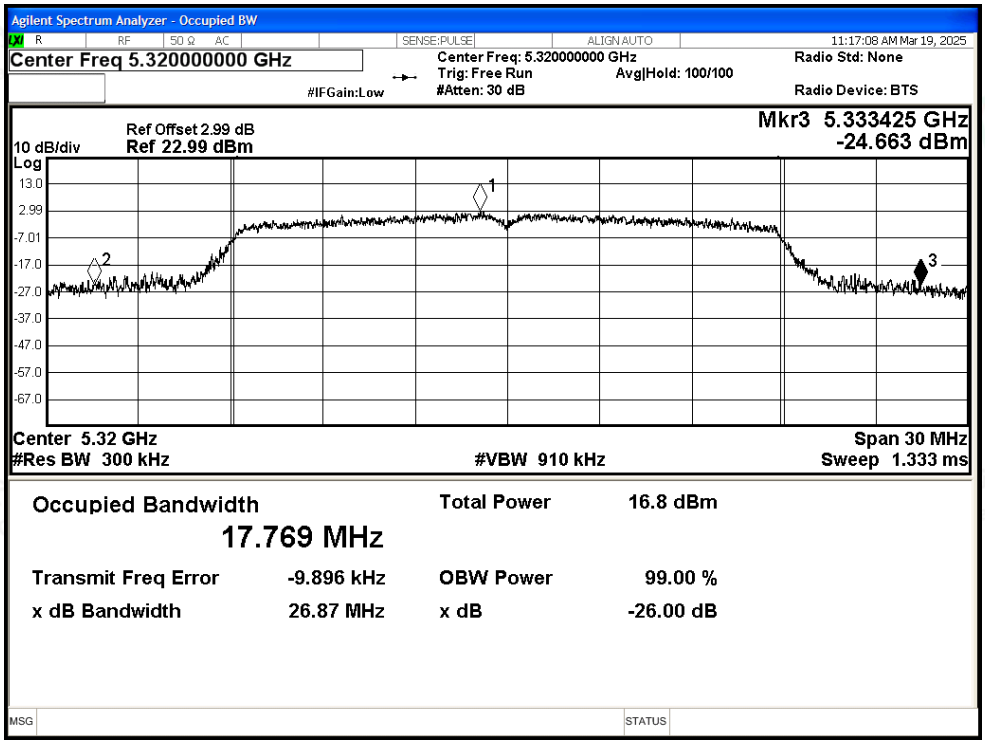
-26dB Bandwidth NVNT n20 5260MHz Ant



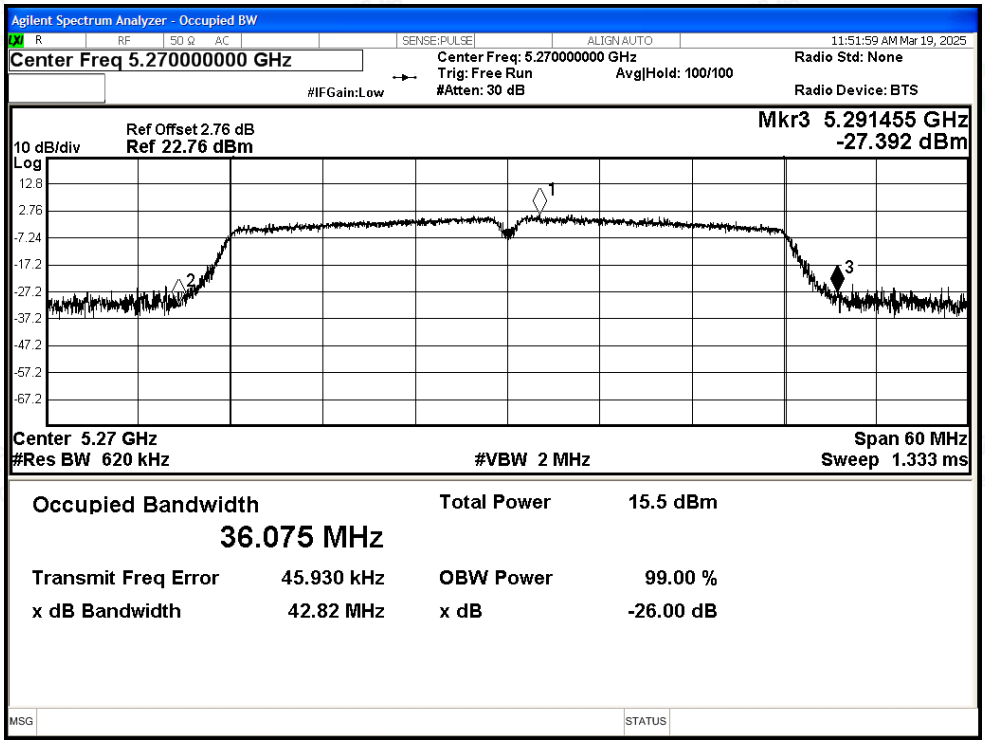
-26dB Bandwidth NVNT n20 5300MHz Ant



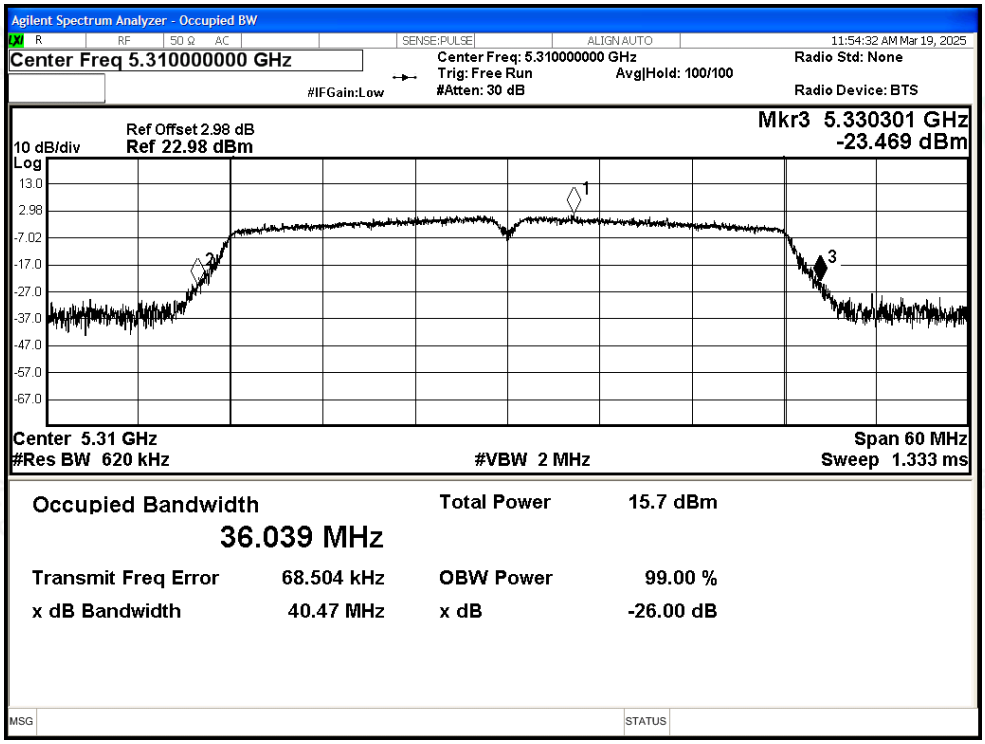
-26dB Bandwidth NVNT n20 5320MHz Ant



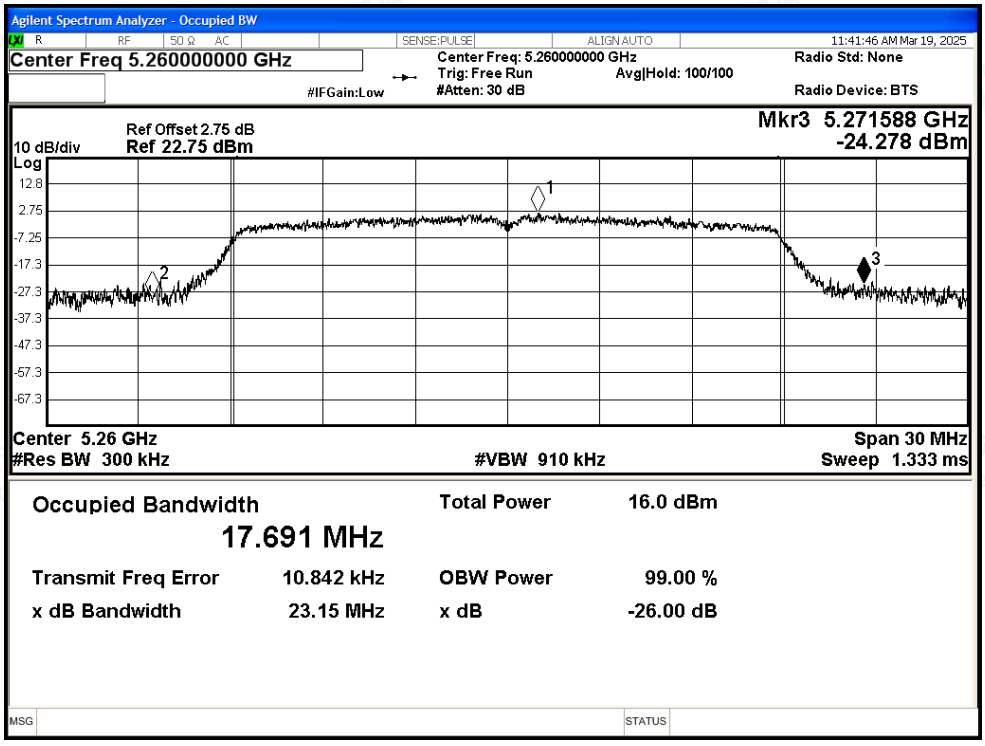
-26dB Bandwidth NVNT n40 5270MHz Ant



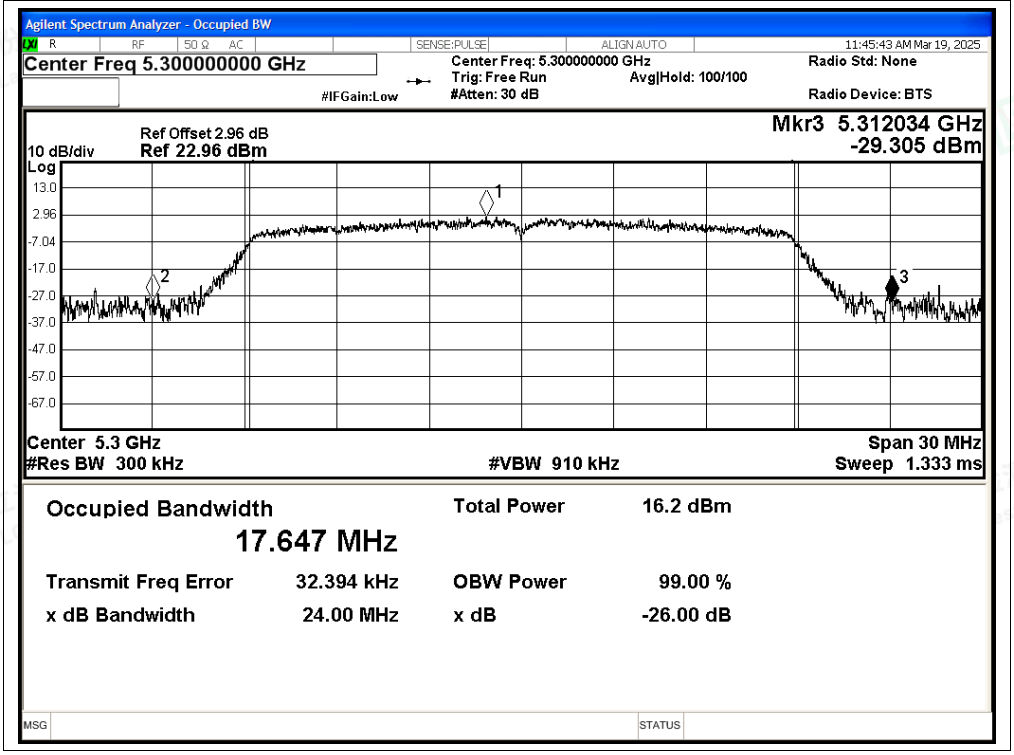
-26dB Bandwidth NVNT n40 5310MHz Ant



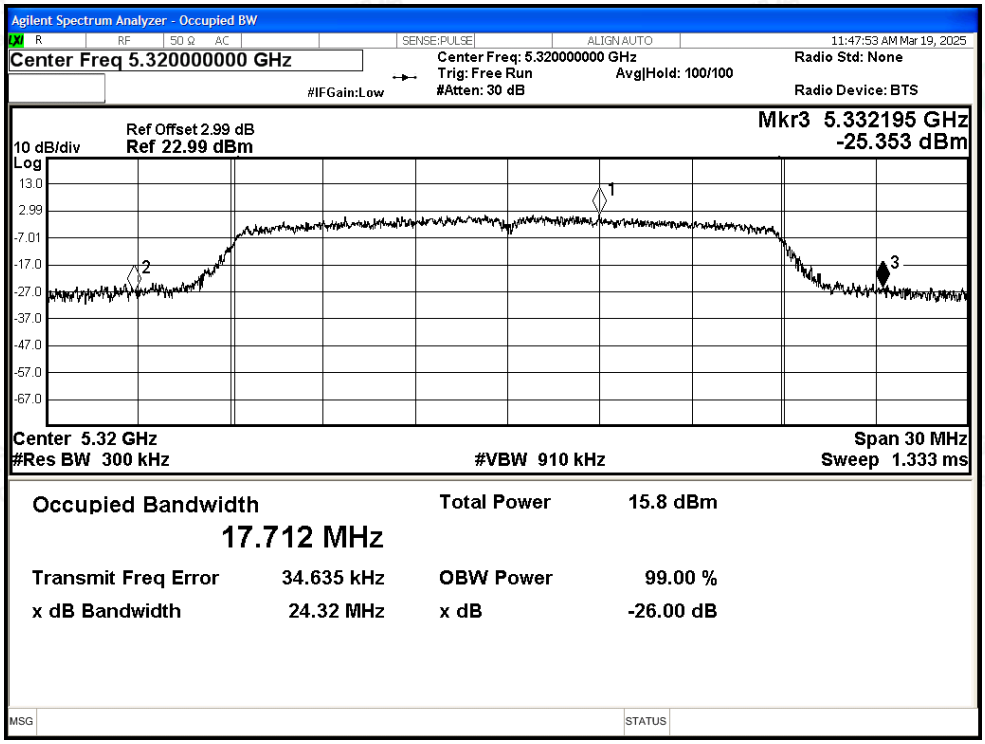
-26dB Bandwidth NVNT ac20 5260MHz Ant



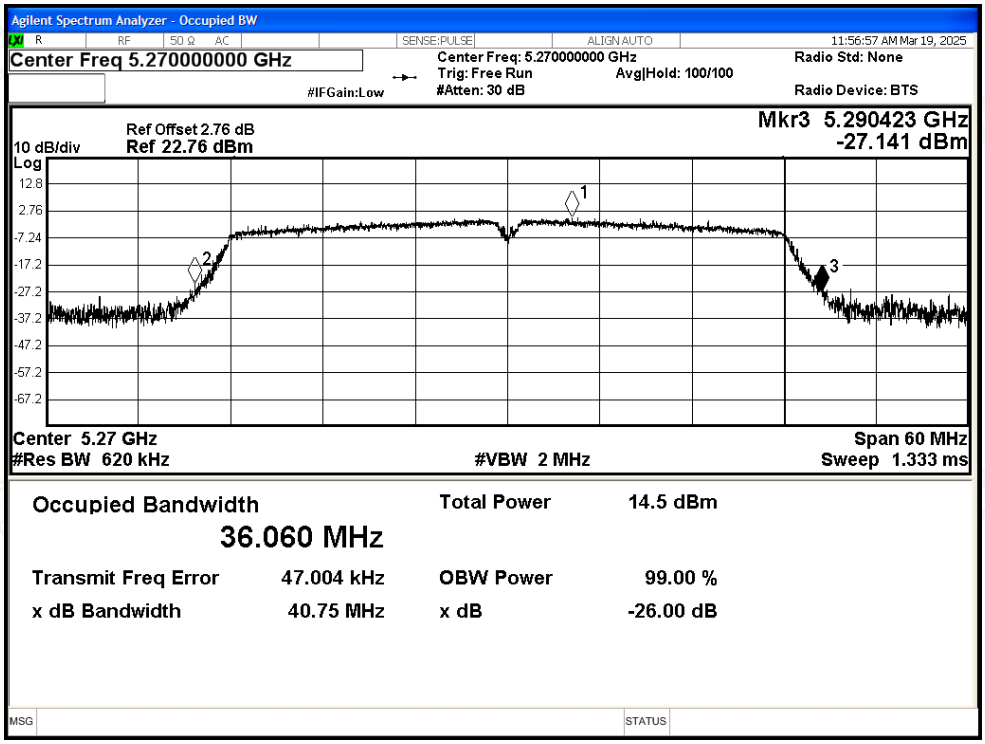
-26dB Bandwidth NVNT ac20 5300MHz Ant



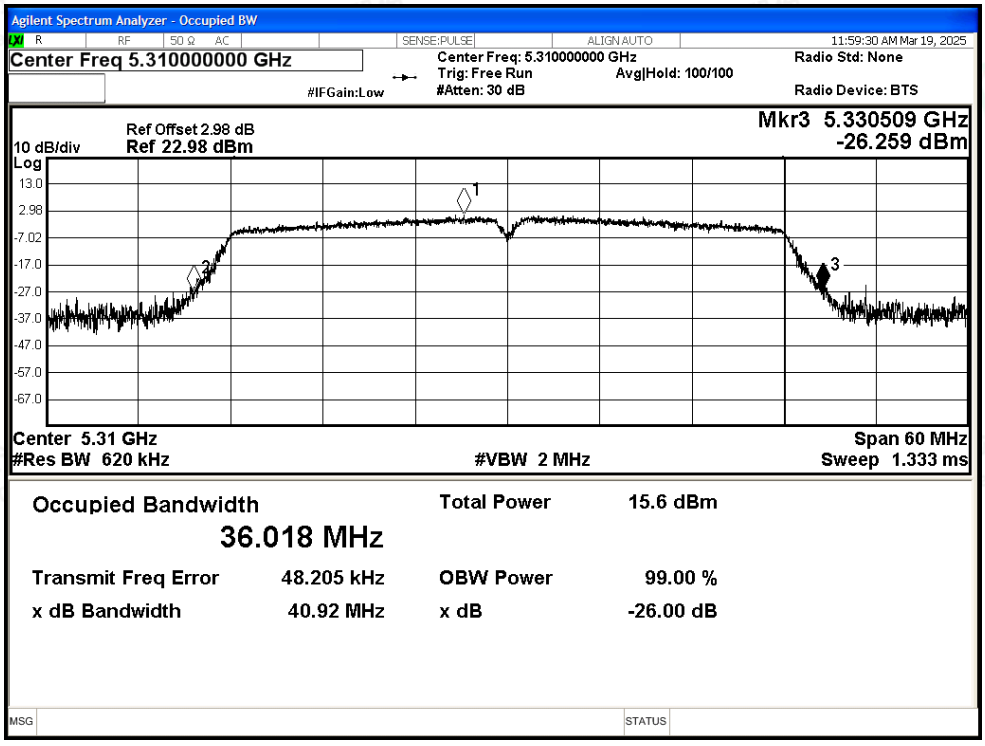
-26dB Bandwidth NVNT ac20 5320MHz Ant



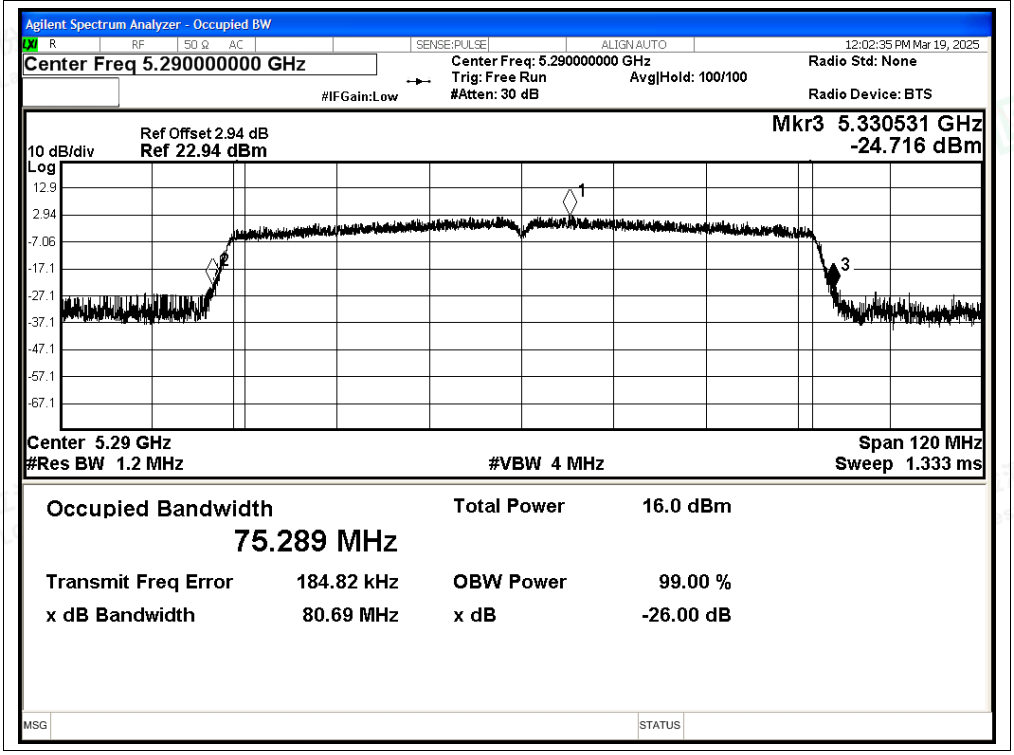
-26dB Bandwidth NVNT ac40 5270MHz Ant



-26dB Bandwidth NVNT ac40 5310MHz Ant



-26dB Bandwidth NVNT ac80 5290MHz Ant



E.2 Maximum Conducted Output Power

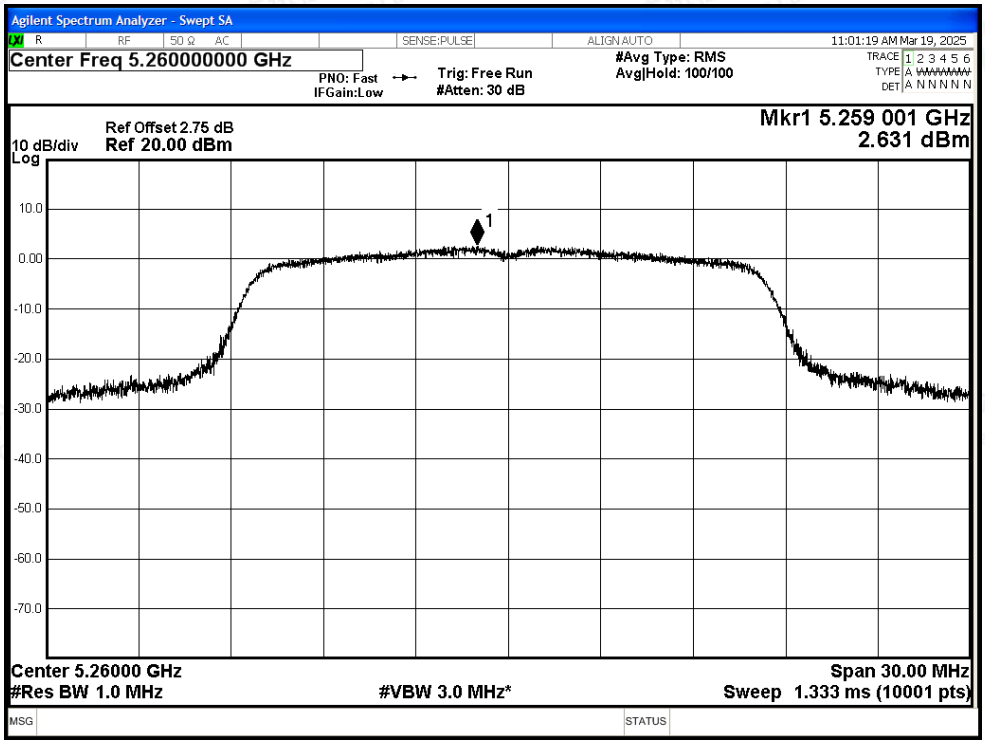
Condition	Mode	Frequency (MHz)	Antenna	Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)	Limit (dBm)	Verdict
NVNT	a	5260	Ant	12.34	0.11	12.45	24	Pass
NVNT	a	5300	Ant	12.89	0.11	13	24	Pass
NVNT	a	5320	Ant	12.84	0.11	12.95	24	Pass
NVNT	n20	5260	Ant	10.74	0.12	10.86	24	Pass
NVNT	n20	5300	Ant	10.98	0.12	11.1	24	Pass
NVNT	n20	5320	Ant	11.08	0.12	11.2	24	Pass
NVNT	n40	5270	Ant	9.58	0.22	9.8	24	Pass
NVNT	n40	5310	Ant	9.83	0.23	10.06	24	Pass
NVNT	ac20	5260	Ant	10.4	0.11	10.51	24	Pass
NVNT	ac20	5300	Ant	10.54	0.11	10.65	24	Pass
NVNT	ac20	5320	Ant	10.21	0.11	10.32	24	Pass
NVNT	ac40	5270	Ant	9.59	0.23	9.82	24	Pass
NVNT	ac40	5310	Ant	9.77	0.23	10	24	Pass
NVNT	ac80	5290	Ant	9.14	0	9.14	24	Pass

E.3 Maximum Power Spectral Density Level

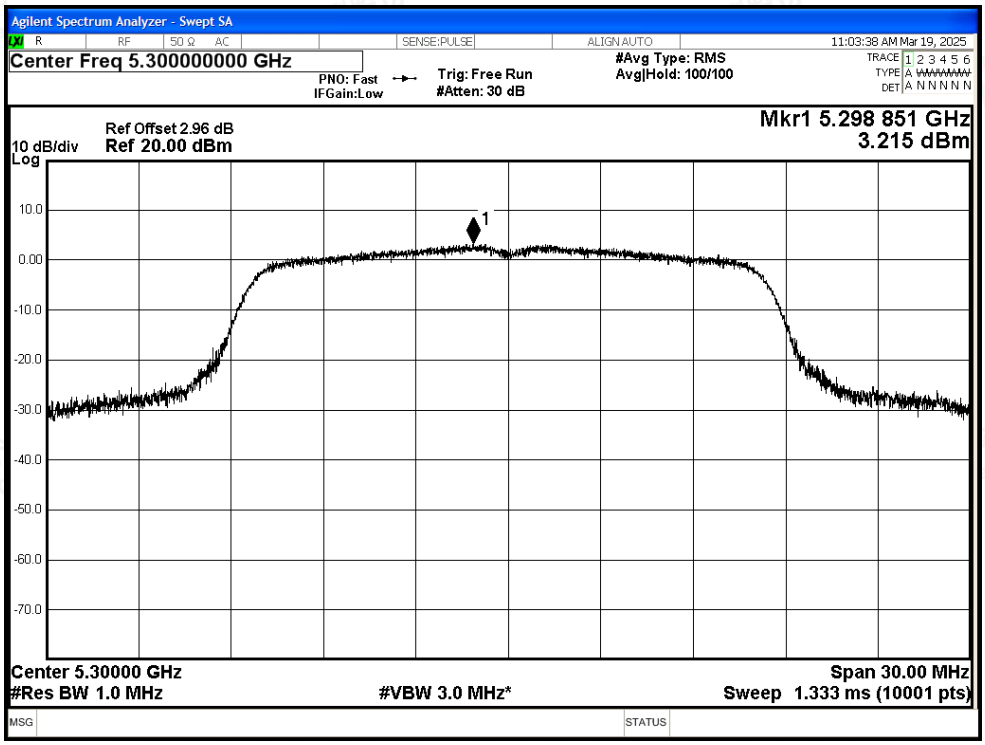
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD(dBm/MHz)	Duty Factor (dB)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	a	5260	Ant	2.63	0.11	2.74	11	Pass
NVNT	a	5300	Ant	3.22	0.11	3.33	11	Pass
NVNT	a	5320	Ant	3.15	0.11	3.26	11	Pass
NVNT	n20	5260	Ant	0.67	0.12	0.79	11	Pass
NVNT	n20	5300	Ant	1.12	0.12	1.24	11	Pass
NVNT	n20	5320	Ant	1.23	0.12	1.35	11	Pass
NVNT	n40	5270	Ant	-3.3	0.22	-3.08	11	Pass
NVNT	n40	5310	Ant	-3.08	0.23	-2.85	11	Pass
NVNT	ac20	5260	Ant	0.53	0.11	0.64	11	Pass
NVNT	ac20	5300	Ant	0.69	0.11	0.8	11	Pass
NVNT	ac20	5320	Ant	0.36	0.11	0.47	11	Pass
NVNT	ac40	5270	Ant	-4.19	0.23	-3.96	11	Pass
NVNT	ac40	5310	Ant	-3.09	0.23	-2.86	11	Pass
NVNT	ac80	5290	Ant	-6.85	0	-6.85	11	Pass

Test Graphs

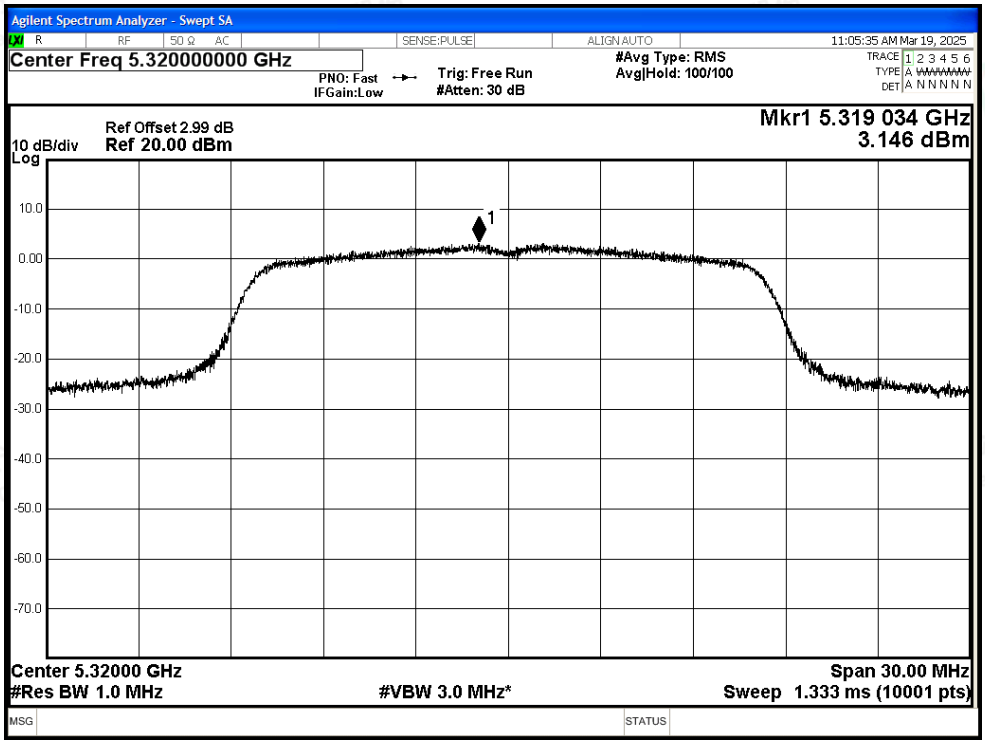
PSD NVNT a 5260MHz Ant



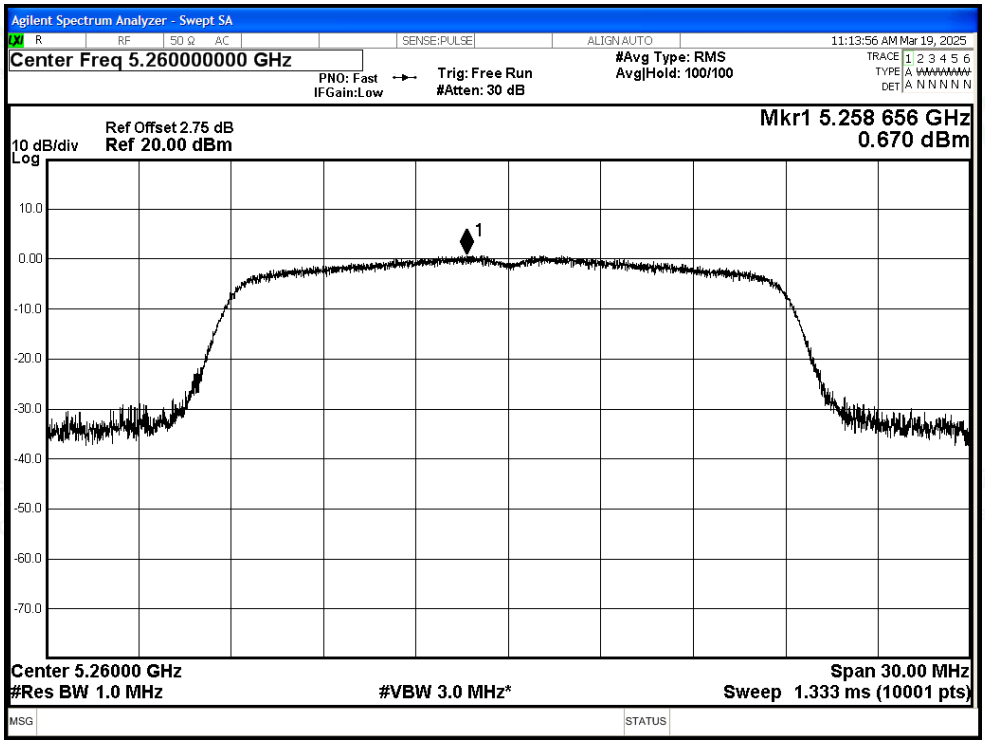
PSD NVNT a 5300MHz Ant



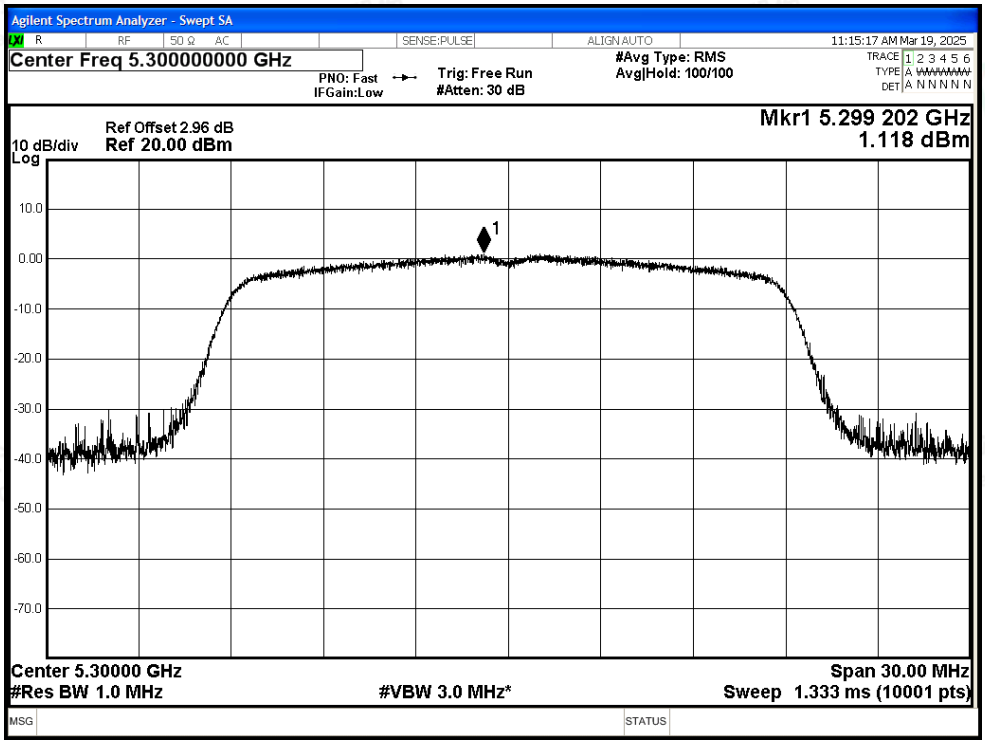
PSD NVNT a 5320MHz Ant



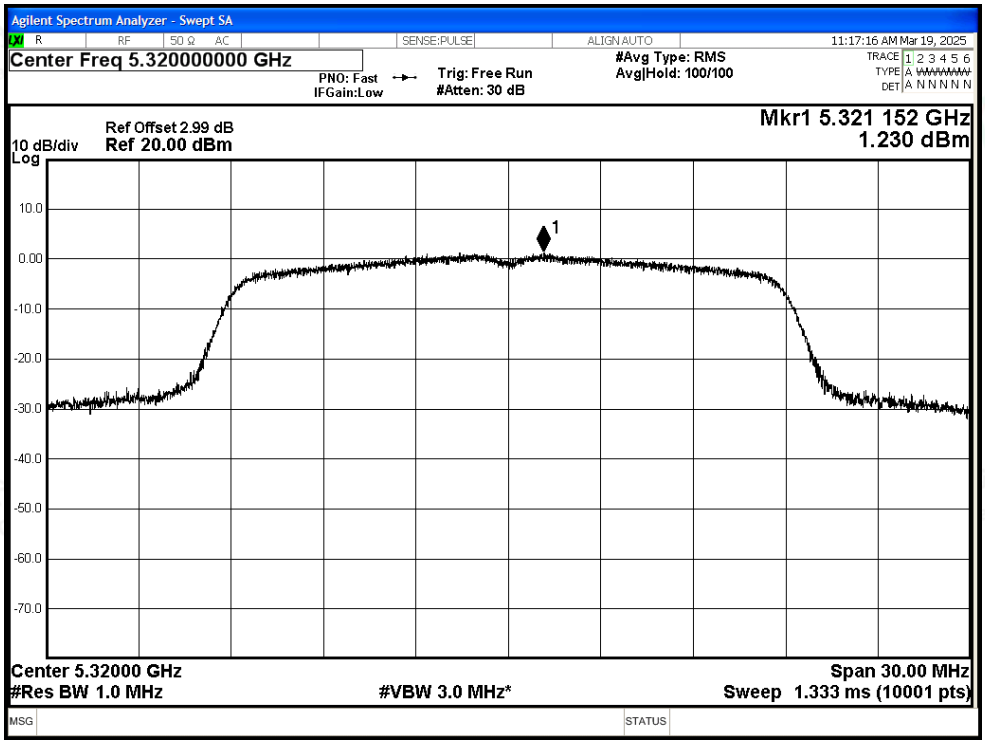
PSD NVNT n20 5260MHz Ant



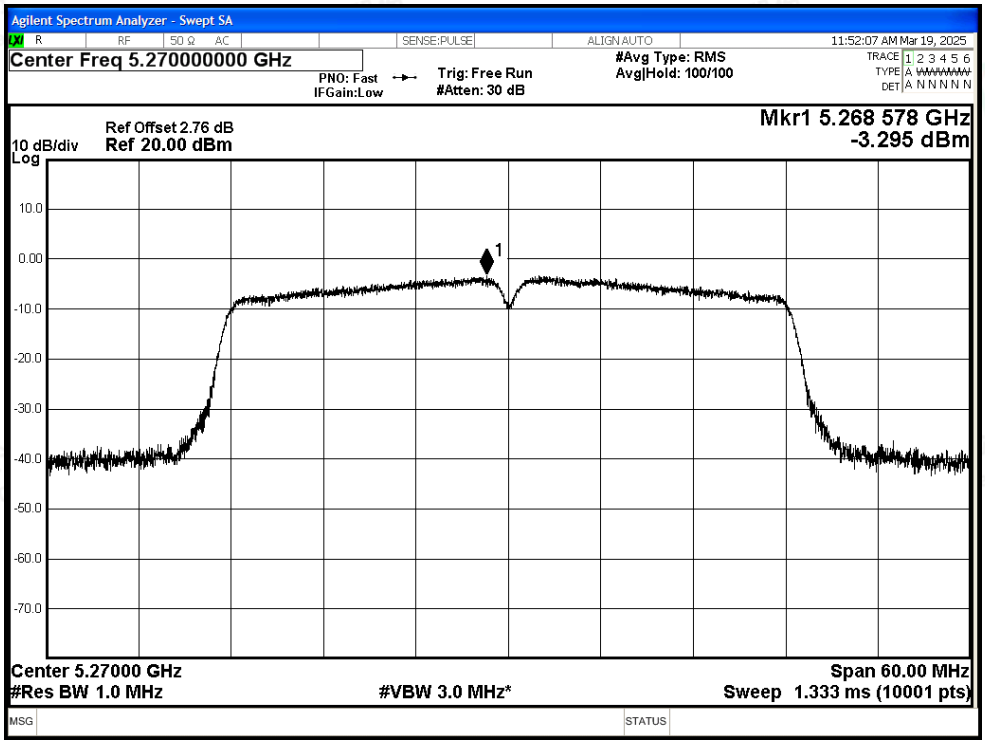
PSD NVNT n20 5300MHz Ant



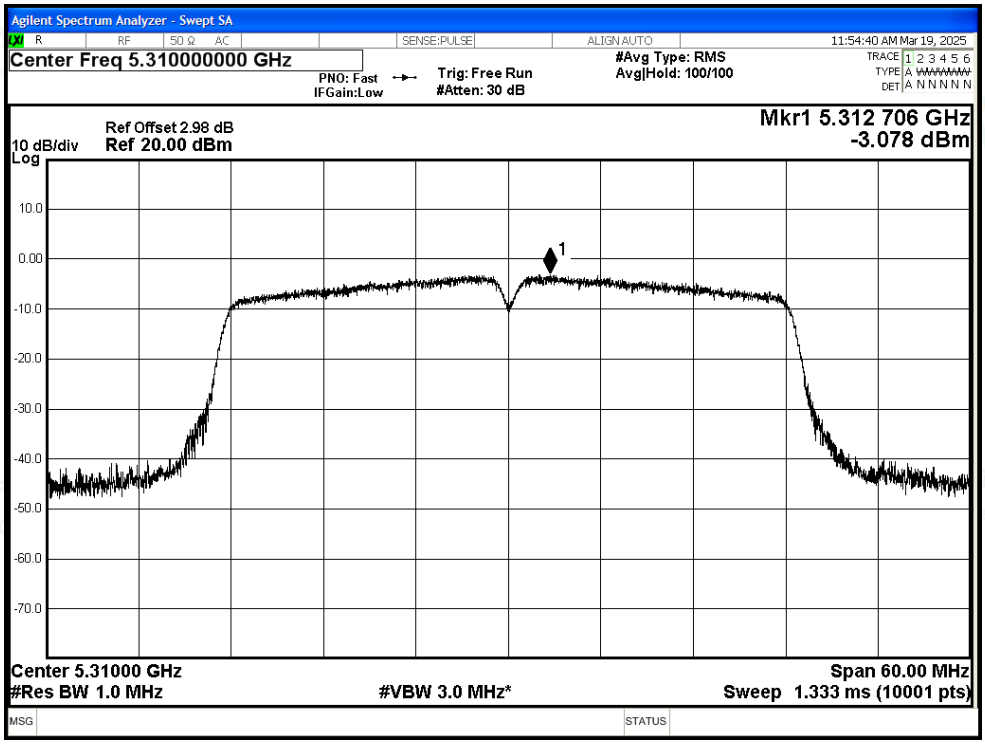
PSD NVNT n20 5320MHz Ant



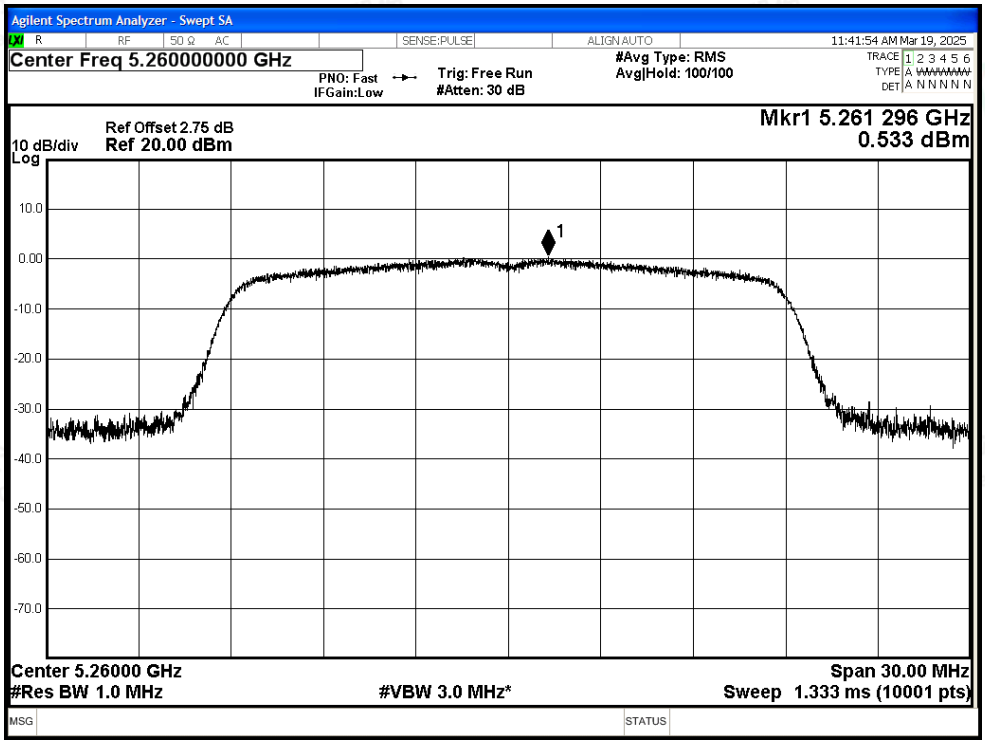
PSD NVNT n40 5270MHz Ant



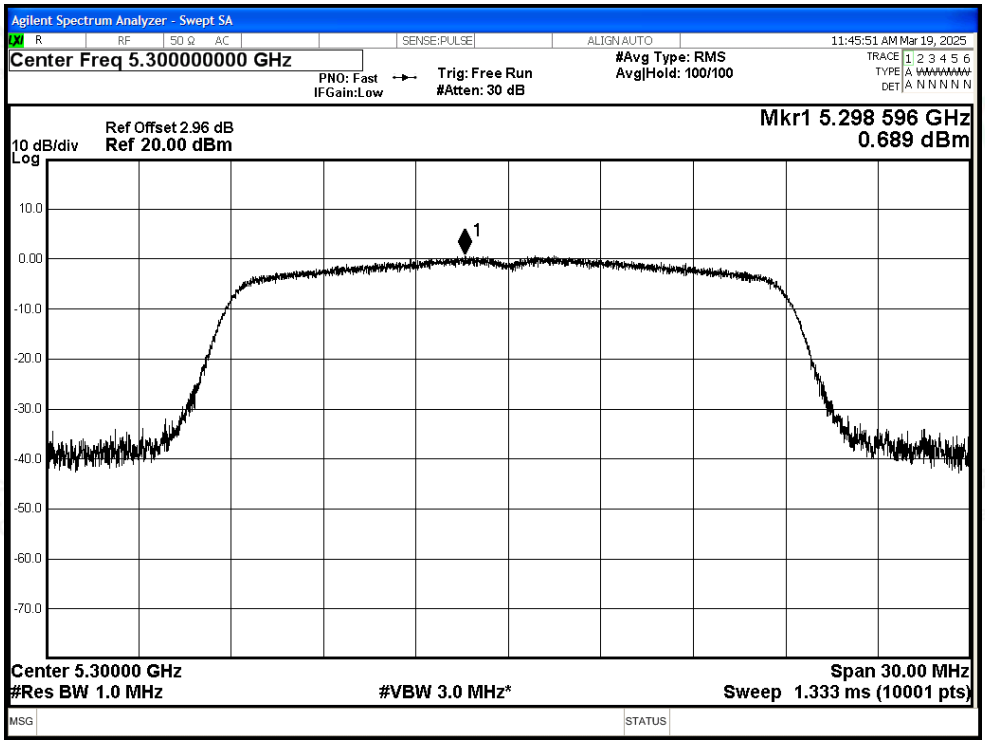
PSD NVNT n40 5310MHz Ant



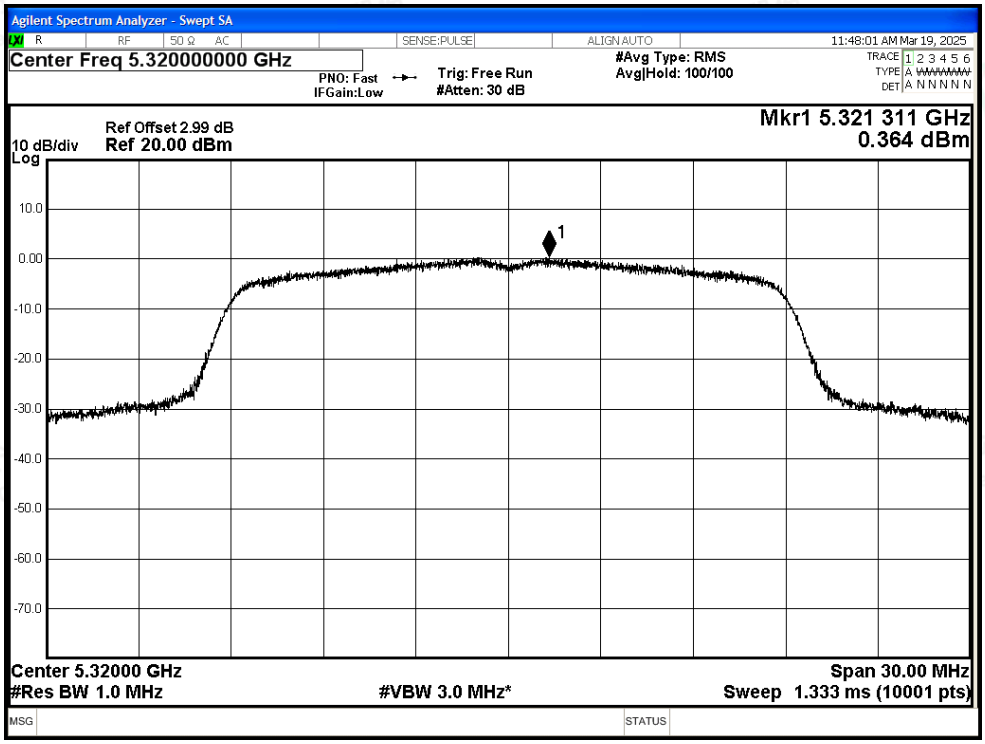
PSD NVNT ac20 5260MHz Ant



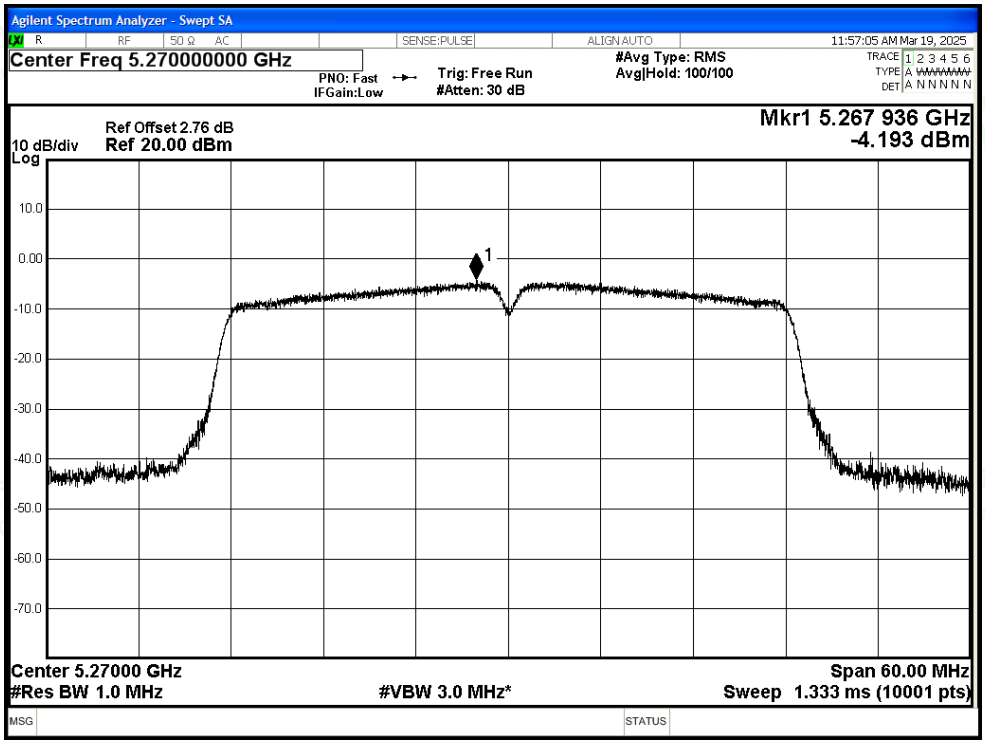
PSD NVNT ac20 5300MHz Ant



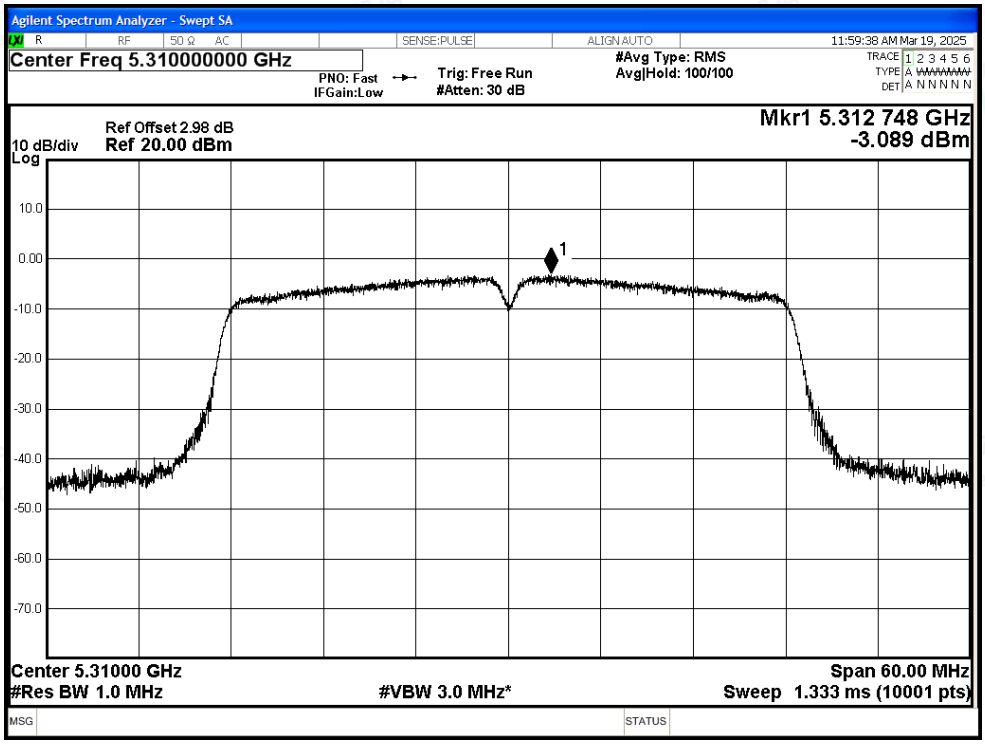
PSD NVNT ac20 5320MHz Ant



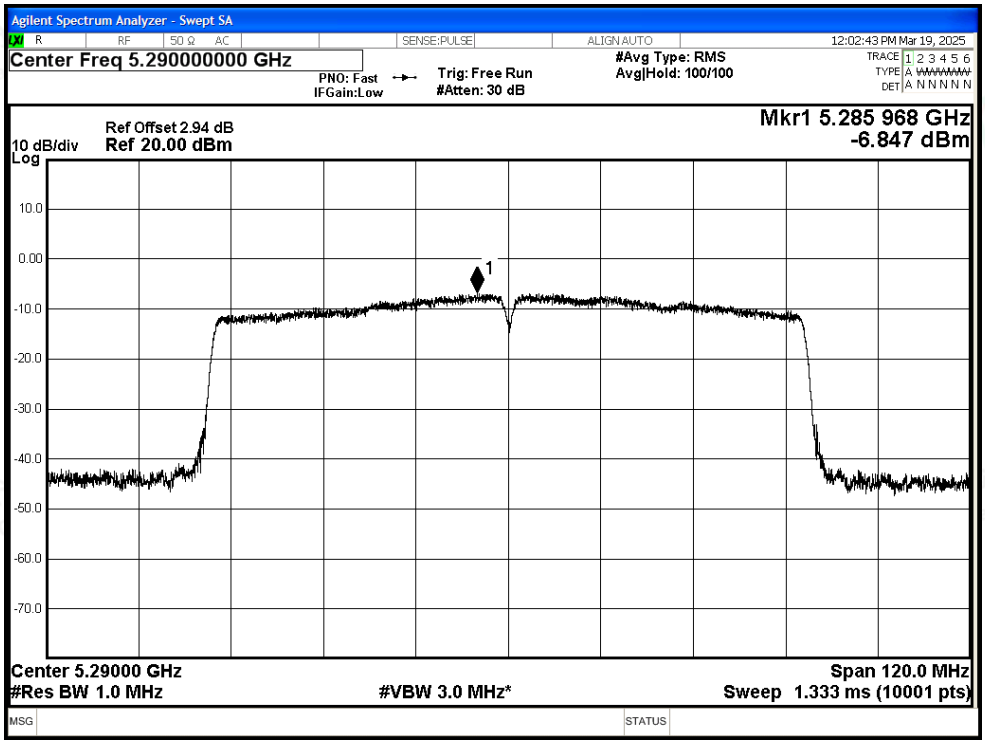
PSD NVNT ac40 5270MHz Ant



PSD NVNT ac40 5310MHz Ant



PSD NVNT ac80 5290MHz Ant



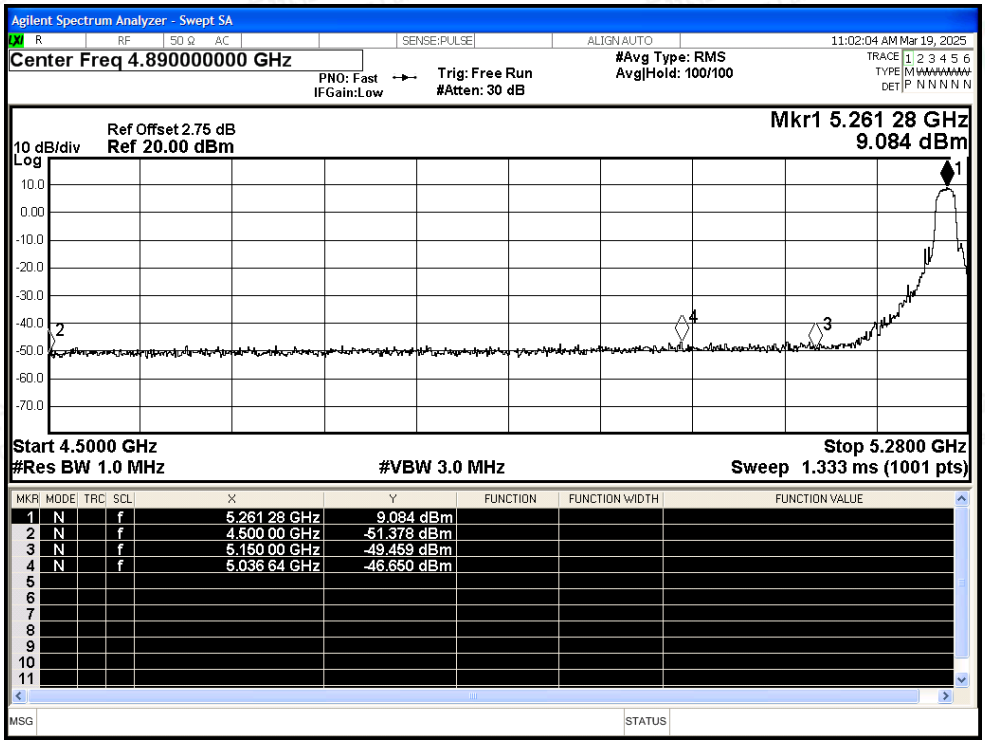
E.4 Restrict Band

Condition	Mode	Frequency (MHz)	Antenna	Spur Freq (MHz)	Power (dBm)	Gain (dBi)	Duty Factor (dB)	E (dBuV/m)	Detector	Limit (dBuV/m)	Verdict
NVNT	a	5260	Ant	4500	-51.38	2	-	45.85	Peak	68.2	Pass
NVNT	a	5260	Ant	4500	-58.85	2	0.11	38.49	Average	54	Pass
NVNT	a	5260	Ant	5036.64	-46.65	2	-	50.58	Peak	68.2	Pass
NVNT	a	5260	Ant	5134.14	-56.33	2	0.11	41.01	Average	54	Pass
NVNT	a	5260	Ant	5150	-49.46	2	-	47.77	Peak	68.2	Pass
NVNT	a	5260	Ant	5150	-56.66	2	0.11	40.68	Average	54	Pass
NVNT	a	5320	Ant	5350	-37.13	2	-	60.1	Peak	68.2	Pass
NVNT	a	5320	Ant	5350	-53.86	2	0.11	43.48	Average	54	Pass
NVNT	a	5320	Ant	5460	-49.93	2	-	47.3	Peak	68.2	Pass
NVNT	a	5320	Ant	5460	-57.71	2	0.11	39.63	Average	54	Pass
NVNT	n20	5260	Ant	4500	-51.6	2	-	45.63	Peak	68.2	Pass
NVNT	n20	5260	Ant	4500	-59.35	2	0.12	38	Average	54	Pass
NVNT	n20	5260	Ant	5010.9	-46.92	2	-	50.31	Peak	68.2	Pass
NVNT	n20	5260	Ant	5148.96	-56.35	2	0.12	41	Average	54	Pass
NVNT	n20	5260	Ant	5150	-48.71	2	-	48.52	Peak	68.2	Pass
NVNT	n20	5260	Ant	5150	-56.88	2	0.12	40.47	Average	54	Pass
NVNT	n20	5320	Ant	5350	-44.27	2	-	52.96	Peak	68.2	Pass
NVNT	n20	5320	Ant	5350	-54.63	2	0.12	42.72	Average	54	Pass
NVNT	n20	5320	Ant	5350.8	-33.67	2	-	63.56	Peak	68.2	Pass
NVNT	n20	5320	Ant	5350.4	-53.3	2	0.12	44.05	Average	54	Pass
NVNT	n20	5320	Ant	5460	-49.57	2	-	47.66	Peak	68.2	Pass
NVNT	n20	5320	Ant	5460	-57.79	2	0.12	39.56	Average	54	Pass
NVNT	n40	5270	Ant	4500	-52.06	2	-	45.17	Peak	68.2	Pass
NVNT	n40	5270	Ant	4500	-59.45	2	0.22	38	Average	54	Pass
NVNT	n40	5270	Ant	5061.33	-46.25	2	-	50.98	Peak	68.2	Pass
NVNT	n40	5270	Ant	5147.19	-56.46	2	0.22	40.99	Average	54	Pass
NVNT	n40	5270	Ant	5150	-49.07	2	-	48.16	Peak	68.2	Pass
NVNT	n40	5270	Ant	5150	-56.62	2	0.22	40.83	Average	54	Pass
NVNT	n40	5310	Ant	5350	-33.28	2	-	63.95	Peak	68.2	Pass
NVNT	n40	5310	Ant	5350	-47.44	2	0.23	50.02	Average	54	Pass
NVNT	n40	5310	Ant	5350.4	-30.83	2	-	66.4	Peak	68.2	Pass
NVNT	n40	5310	Ant	5460	-49.62	2	-	47.61	Peak	68.2	Pass
NVNT	n40	5310	Ant	5460	-57.05	2	0.23	40.41	Average	54	Pass
NVNT	ac20	5260	Ant	4500	-48.69	2	-	48.54	Peak	68.2	Pass
NVNT	ac20	5260	Ant	4500	-59.58	2	0.11	37.76	Average	54	Pass
NVNT	ac20	5260	Ant	5061.6	-46.58	2	-	50.65	Peak	68.2	Pass
NVNT	ac20	5260	Ant	5143.5	-56.51	2	0.11	40.83	Average	54	Pass
NVNT	ac20	5260	Ant	5150	-48.86	2	-	48.37	Peak	68.2	Pass

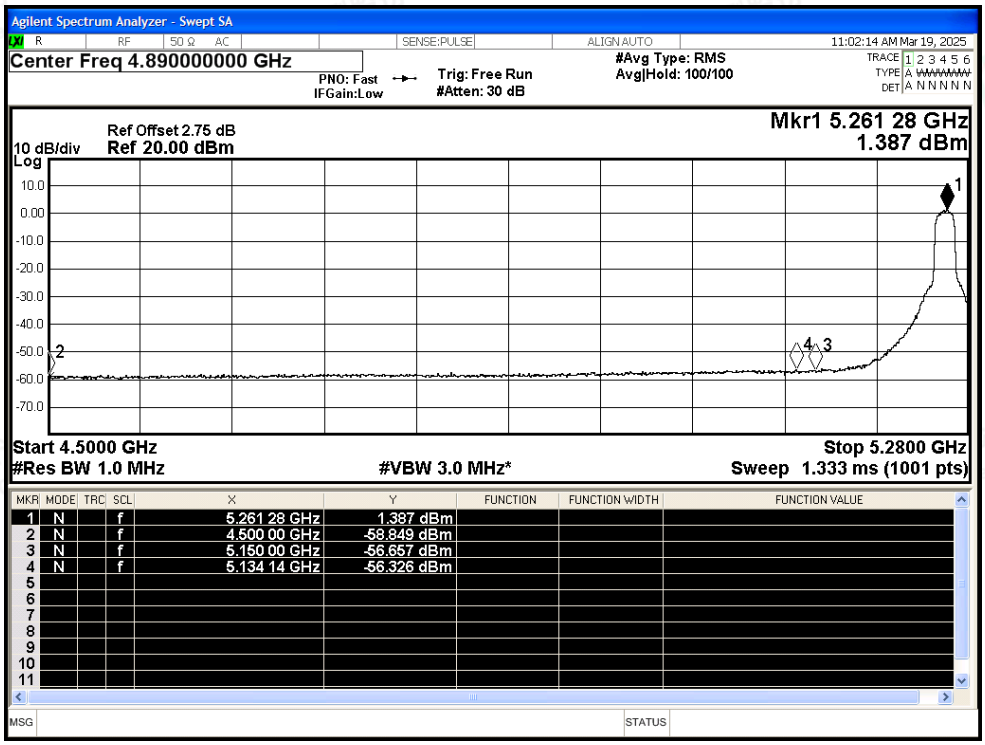
NVNT	ac20	5260	Ant	5150	-56.61	2	0.11	40.73	Average	54	Pass
NVNT	ac20	5320	Ant	5350	-32.45	2	-	64.78	Peak	68.2	Pass
NVNT	ac20	5320	Ant	5350	-45.77	2	0.11	51.57	Average	54	Pass
NVNT	ac20	5320	Ant	5354	-30.65	2	-	66.58	Peak	68.2	Pass
NVNT	ac20	5320	Ant	5350.2	-44.74	2	0.11	52.6	Average	54	Pass
NVNT	ac20	5320	Ant	5460	-49.44	2	-	47.79	Peak	68.2	Pass
NVNT	ac20	5320	Ant	5460	-57.41	2	0.11	39.93	Average	54	Pass
NVNT	ac40	5270	Ant	4500	-52.65	2	-	44.58	Peak	68.2	Pass
NVNT	ac40	5270	Ant	4500	-59.45	2	0.23	38.01	Average	54	Pass
NVNT	ac40	5270	Ant	5095.35	-46.74	2	-	50.49	Peak	68.2	Pass
NVNT	ac40	5270	Ant	5123.7	-56.7	2	0.23	40.76	Average	54	Pass
NVNT	ac40	5270	Ant	5150	-48.77	2	-	48.46	Peak	68.2	Pass
NVNT	ac40	5270	Ant	5150	-56.72	2	0.23	40.74	Average	54	Pass
NVNT	ac40	5310	Ant	5350	-34.44	2	-	62.79	Peak	68.2	Pass
NVNT	ac40	5310	Ant	5350	-46.67	2	0.23	50.79	Average	54	Pass
NVNT	ac40	5310	Ant	5350.4	-32.02	2	-	65.21	Peak	68.2	Pass
NVNT	ac40	5310	Ant	5460	-49.58	2	-	47.65	Peak	68.2	Pass
NVNT	ac40	5310	Ant	5460	-57.82	2	0.23	39.64	Average	54	Pass
NVNT	ac80	5290	Ant	4500	-51.61	2	-	45.62	Peak	68.2	Pass
NVNT	ac80	5290	Ant	4500	-58.49	2	0	38.74	Average	54	Pass
NVNT	ac80	5290	Ant	5142.93	-43.55	2	-	53.68	Peak	68.2	Pass
NVNT	ac80	5290	Ant	5149.02	-54.1	2	0	43.13	Average	54	Pass
NVNT	ac80	5290	Ant	5150	-43.69	2	-	53.54	Peak	68.2	Pass
NVNT	ac80	5290	Ant	5150	-54.25	2	0	42.98	Average	54	Pass
NVNT	ac80	5290	Ant	5350	-44.14	2	-	53.09	Peak	68.2	Pass
NVNT	ac80	5290	Ant	5350	-53.31	2	0	43.92	Average	54	Pass
NVNT	ac80	5290	Ant	5380.52	-38.38	2	-	58.85	Peak	68.2	Pass
NVNT	ac80	5290	Ant	5351.23	-52.11	2	0	45.12	Average	54	Pass
NVNT	ac80	5290	Ant	5460	-51.29	2	-	45.94	Peak	68.2	Pass
NVNT	ac80	5290	Ant	5460	-57.67	2	0	39.56	Average	54	Pass

Test Graphs

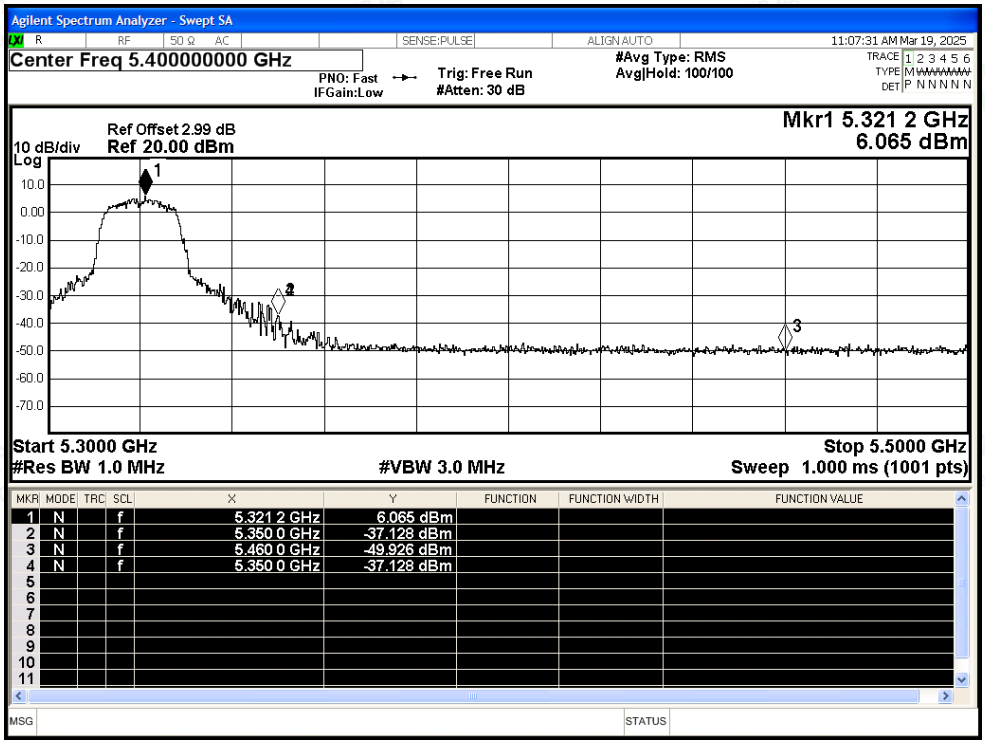
Restrict Band NVNT a 5260MHz Ant Peak



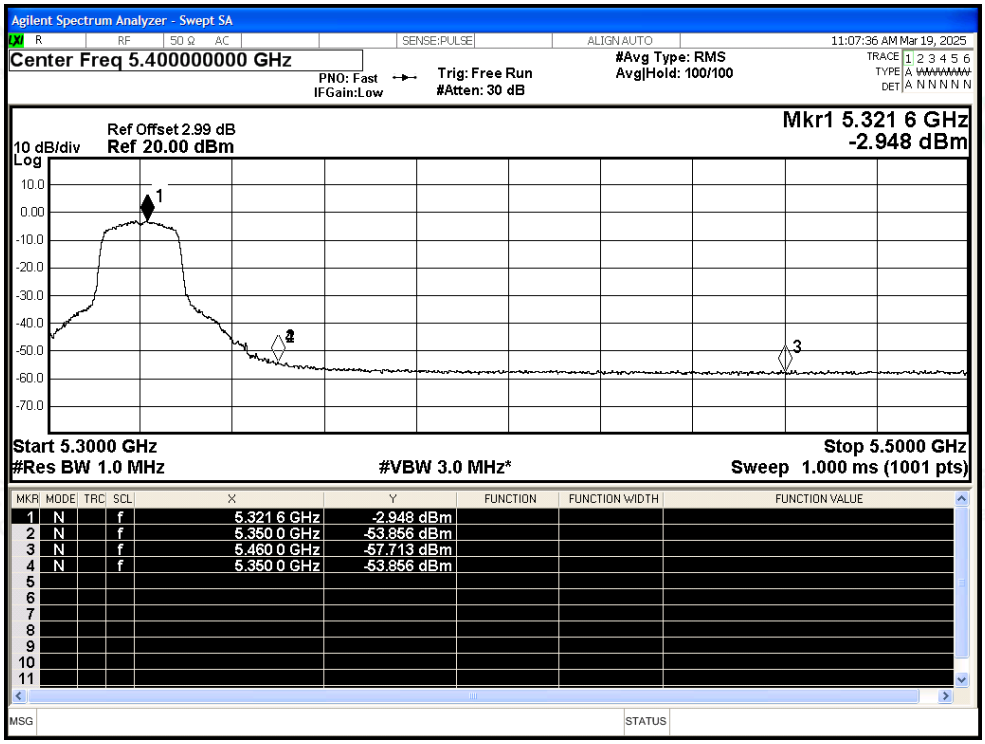
Restrict Band NVNT a 5260MHz Ant Average



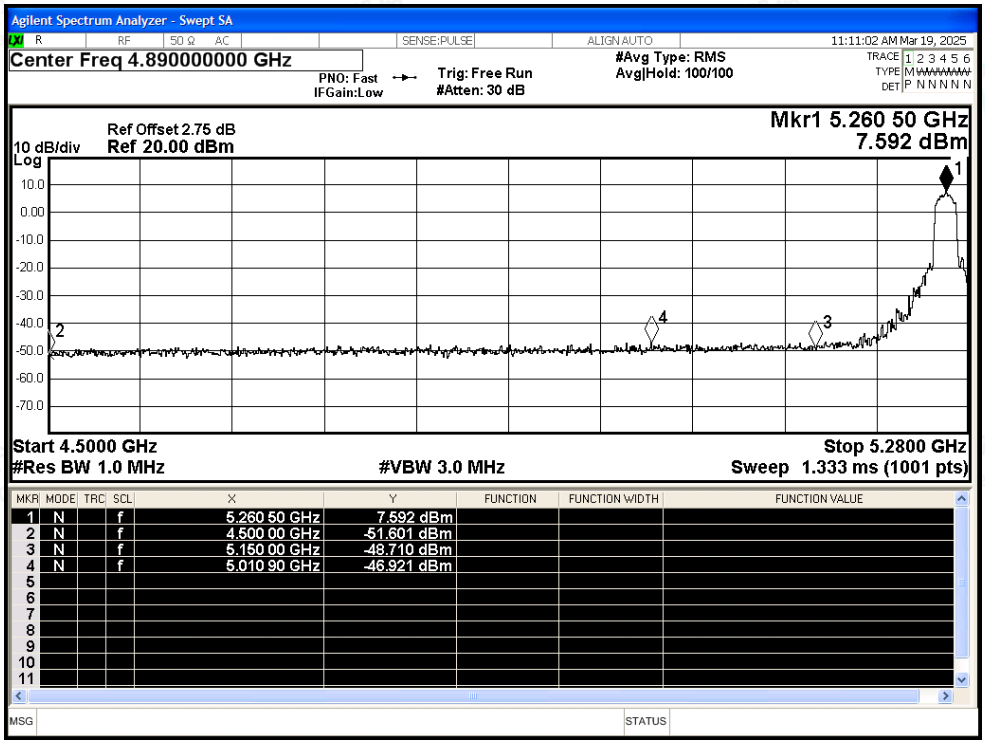
Restrict Band NVNT a 5320MHz Ant Peak



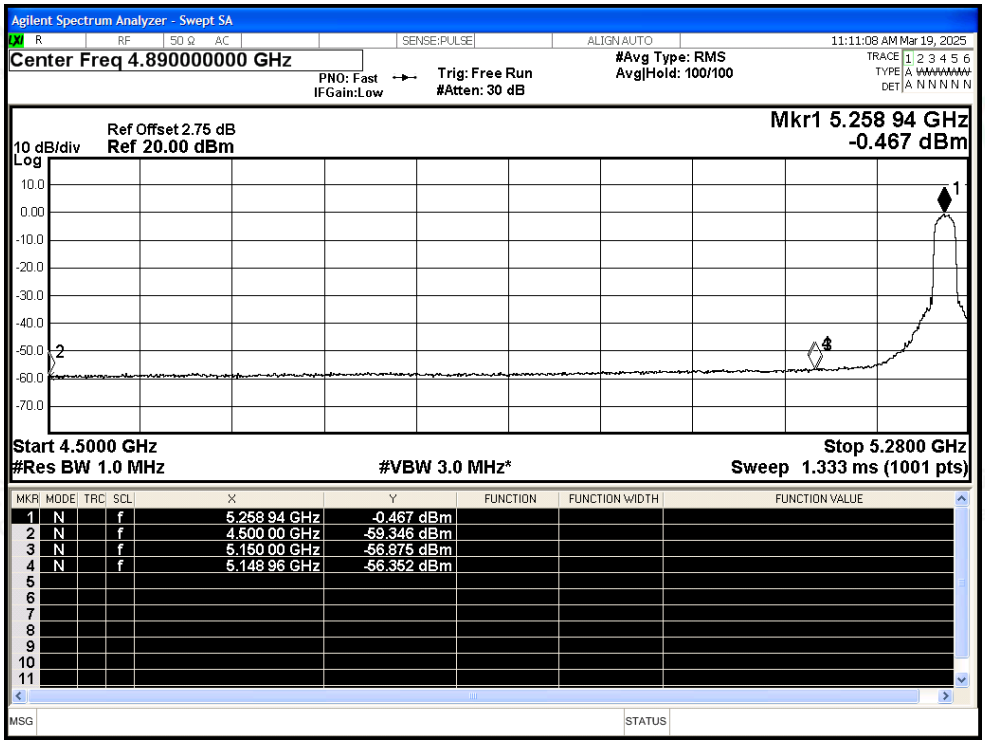
Restrict Band NVNT a 5320MHz Ant Average



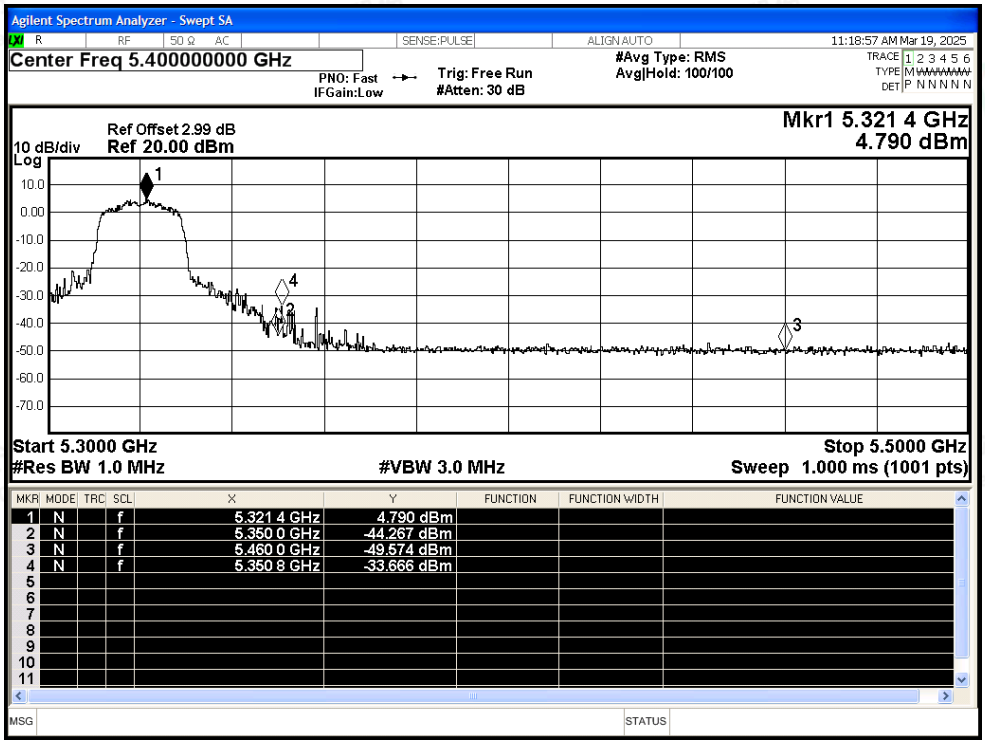
Restrict Band NVNT n20 5260MHz Ant Peak



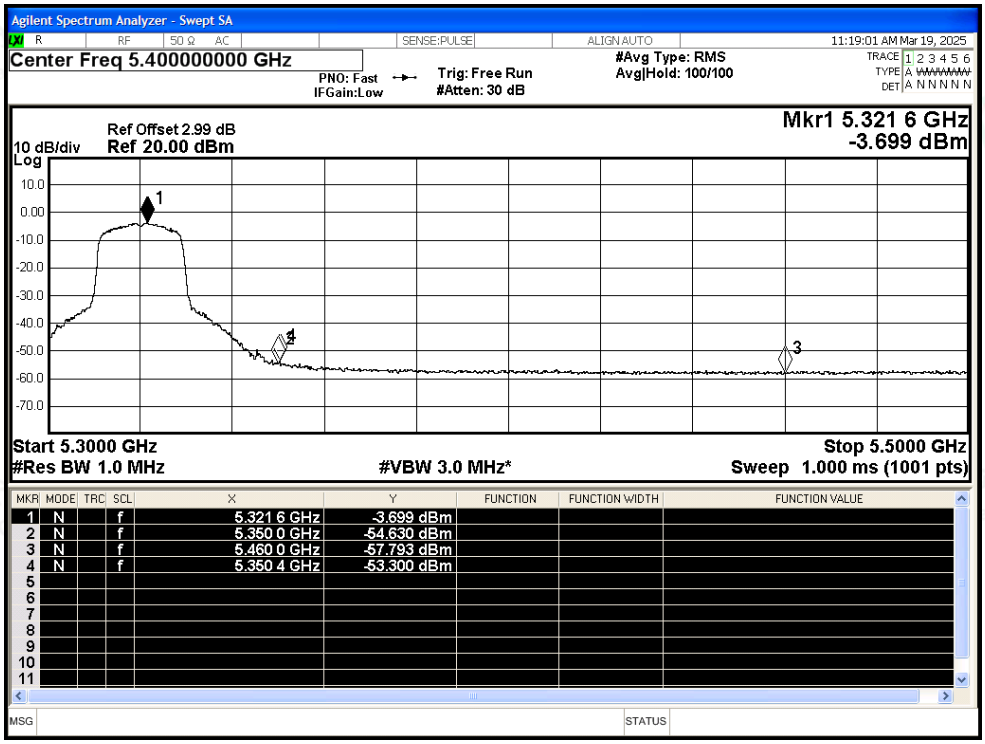
Restrict Band NVNT n20 5260MHz Ant Average



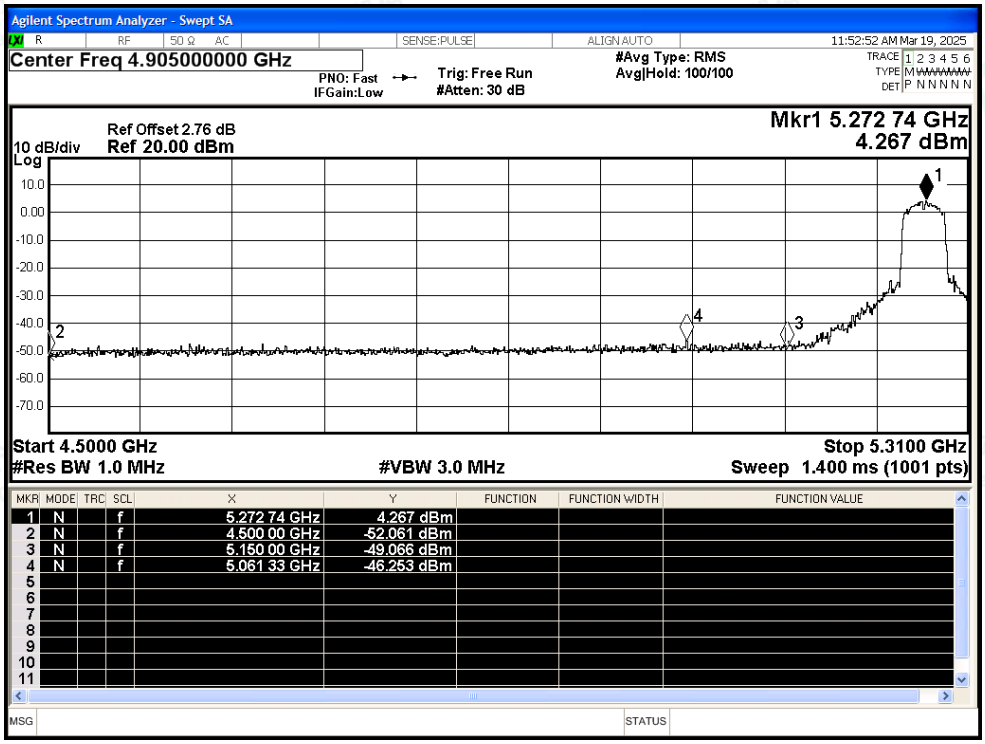
Restrict Band NVNT n20 5320MHz Ant Peak



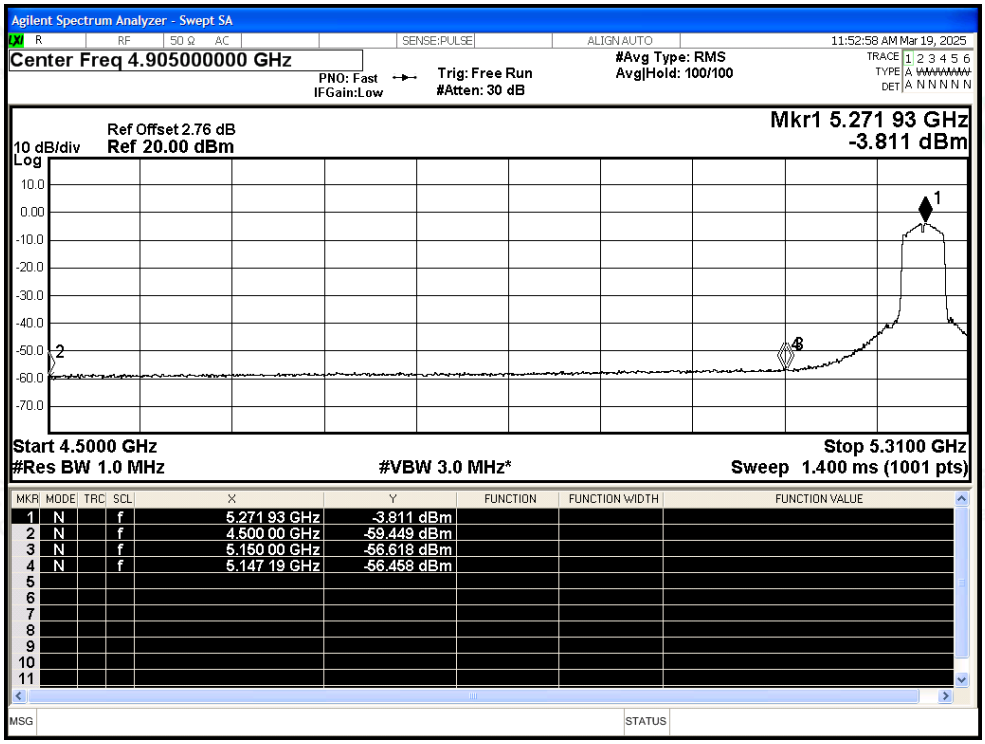
Restrict Band NVNT n20 5320MHz Ant Average



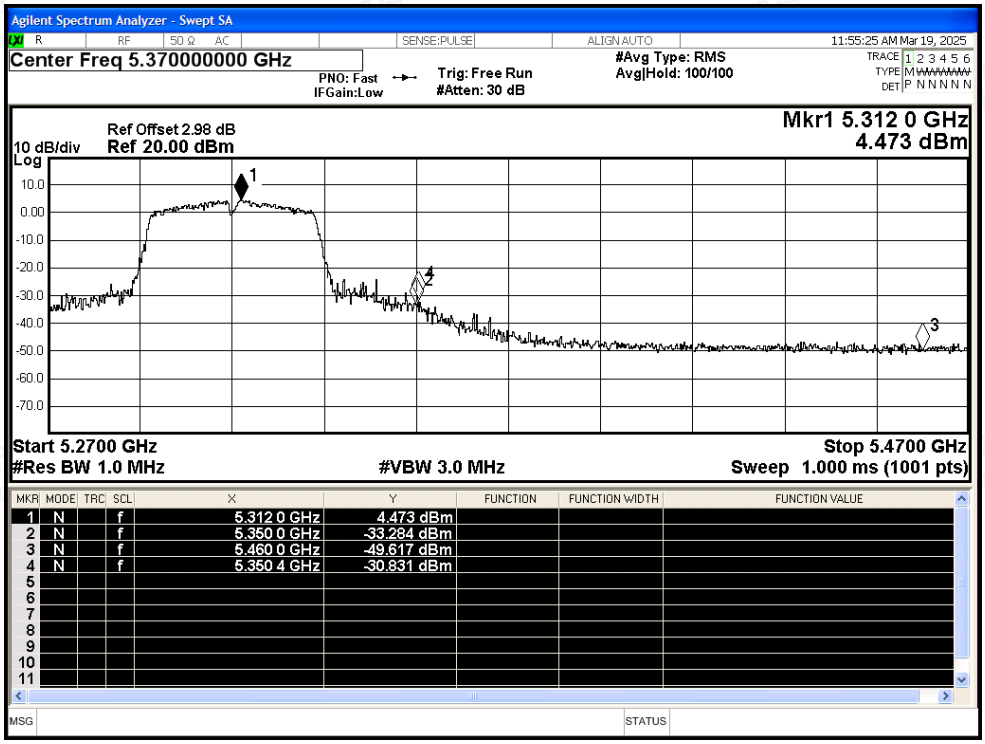
Restrict Band NVNT n40 5270MHz Ant Peak



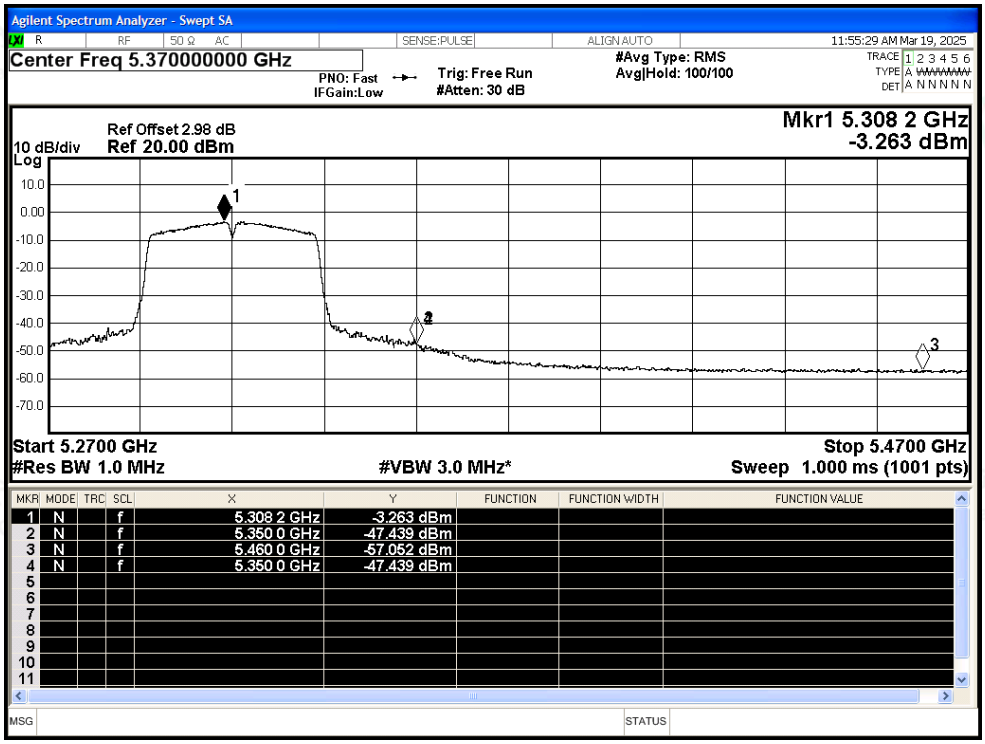
Restrict Band NVNT n40 5270MHz Ant Average



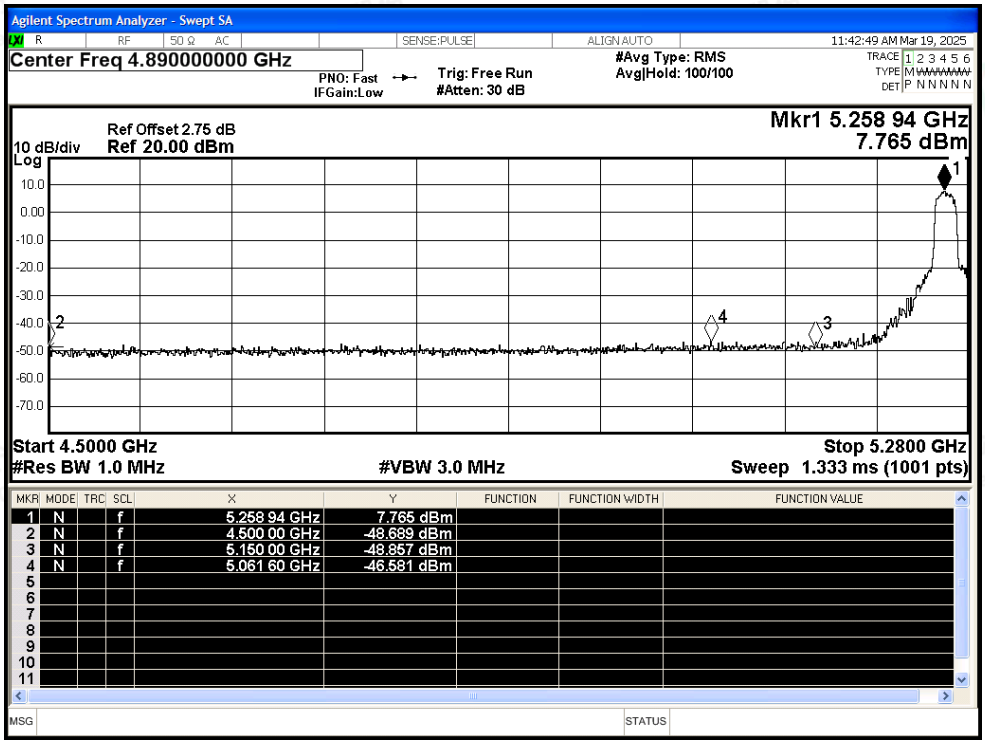
Restrict Band NVNT n40 5310MHz Ant Peak



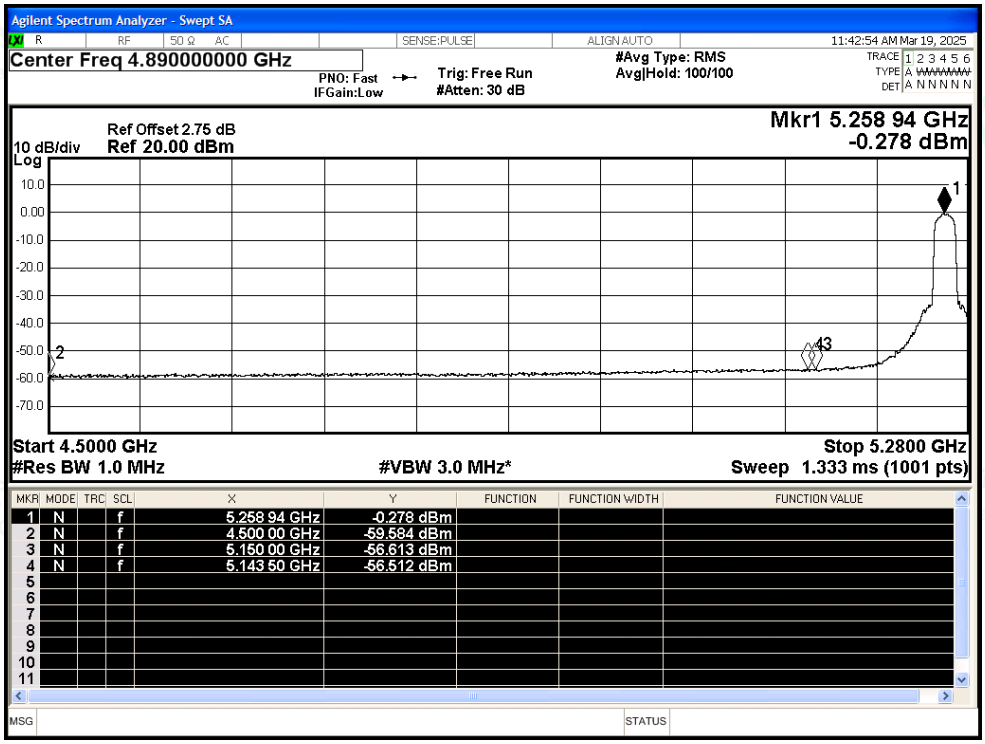
Restrict Band NVNT n40 5310MHz Ant Average



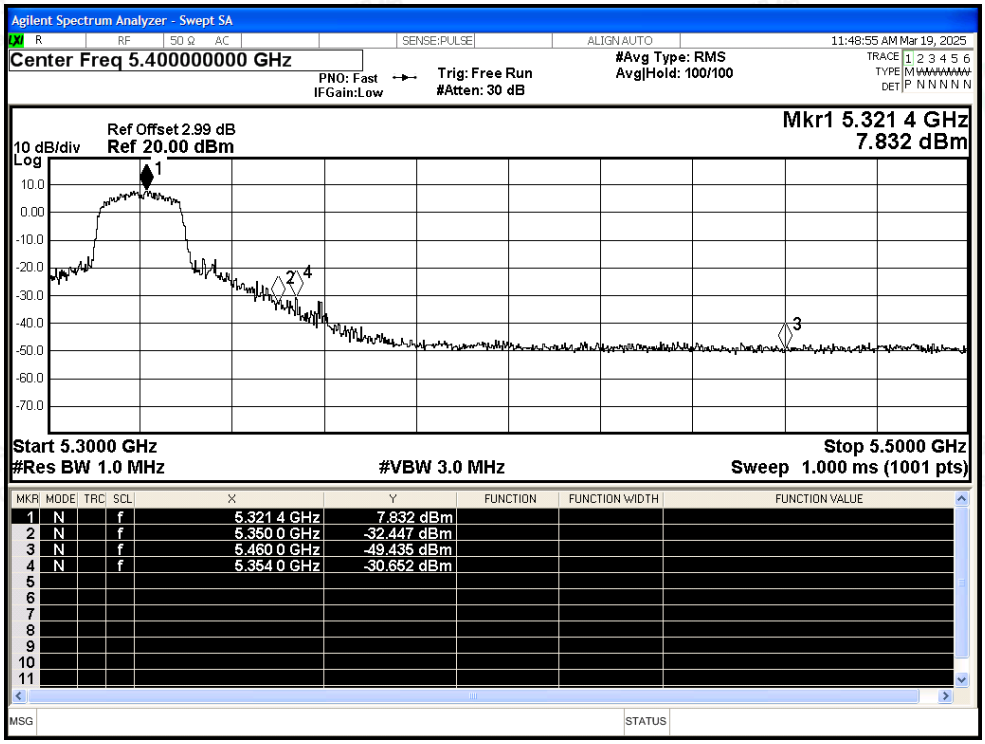
Restrict Band NVNT ac20 5260MHz Ant Peak



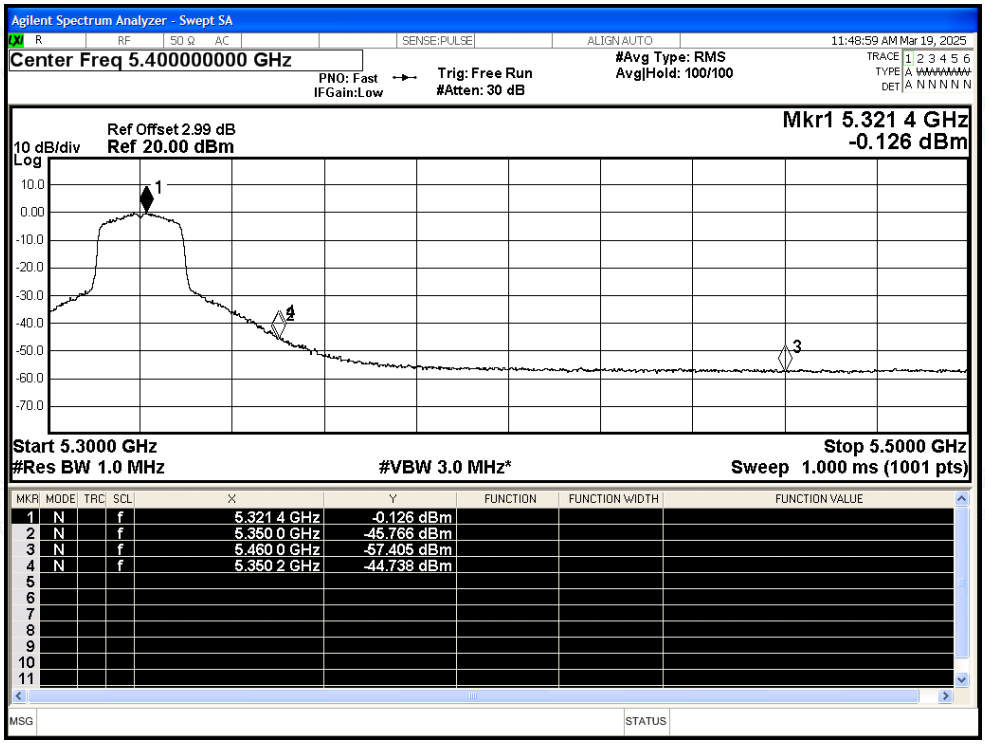
Restrict Band NVNT ac20 5260MHz Ant Average



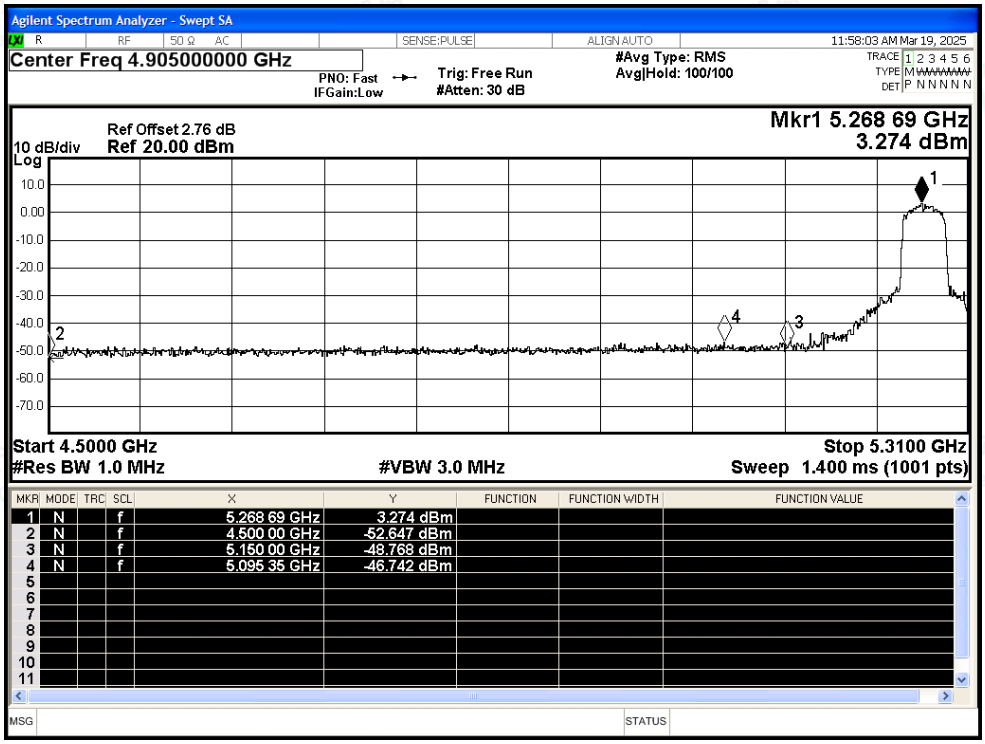
Restrict Band NVNT ac20 5320MHz Ant Peak



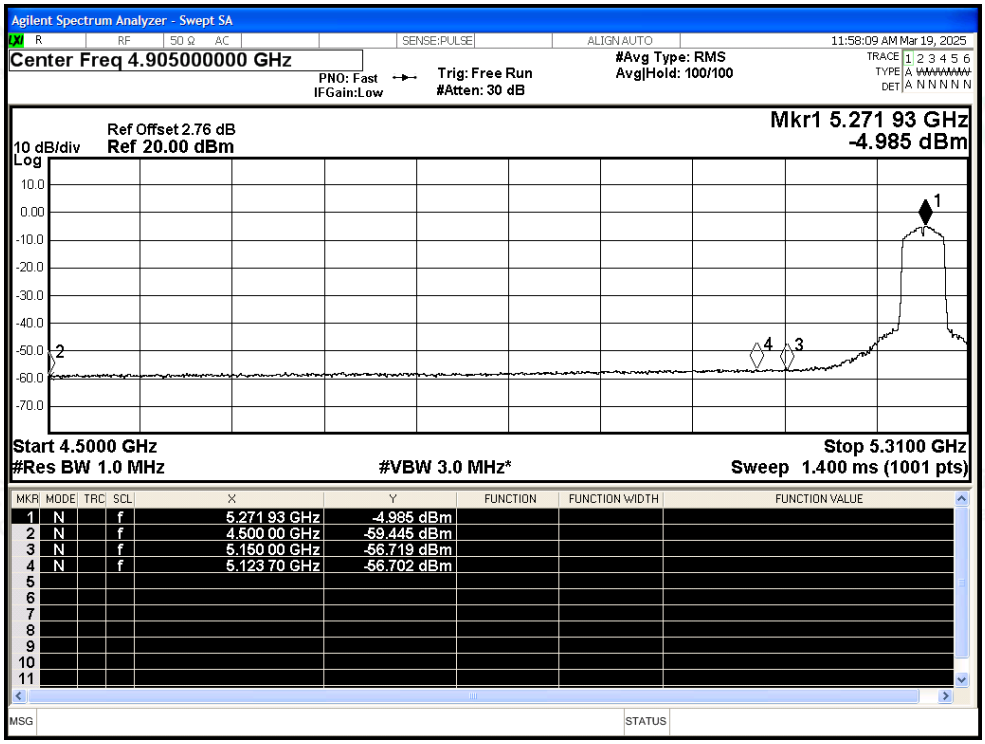
Restrict Band NVNT ac20 5320MHz Ant Average



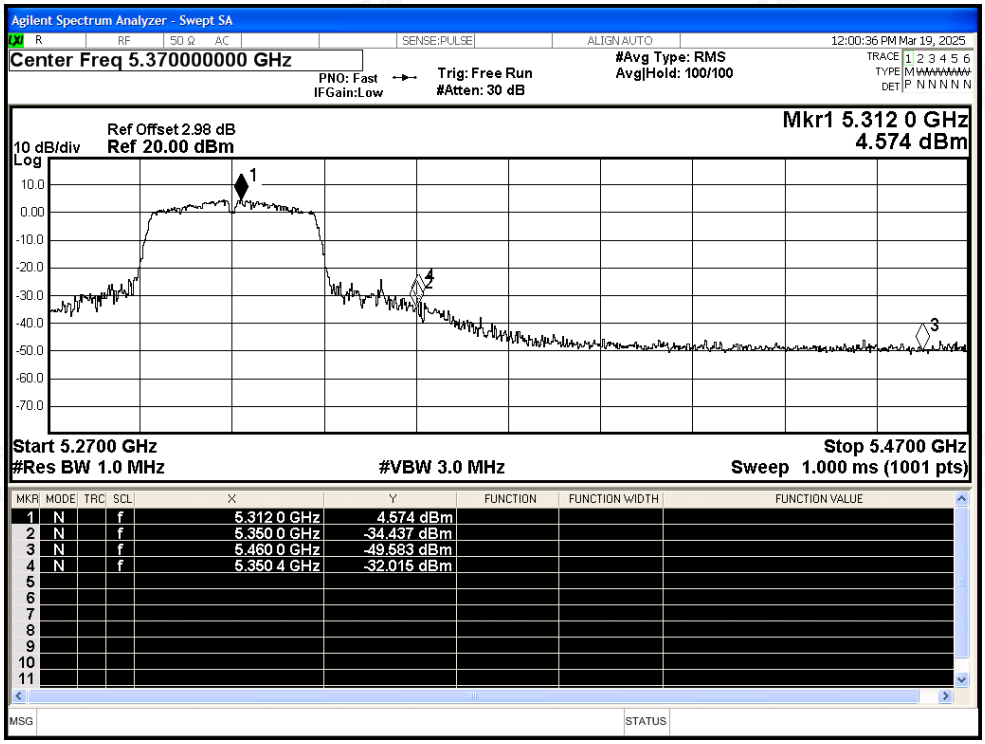
Restrict Band NVNT ac40 5270MHz Ant Peak



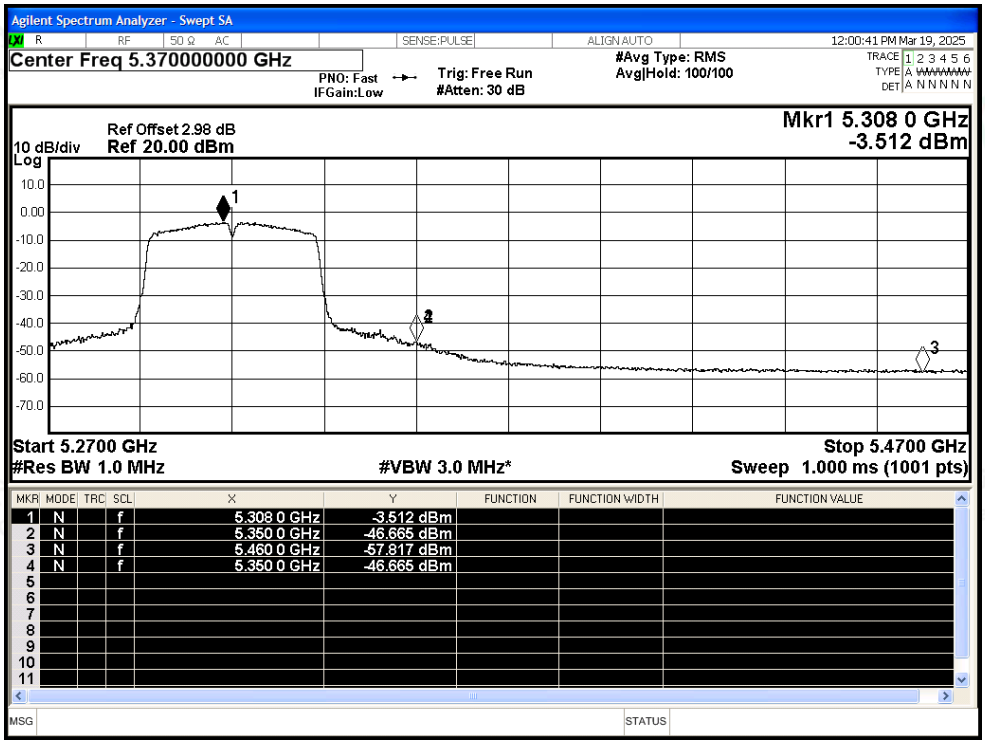
Restrict Band NVNT ac40 5270MHz Ant Average



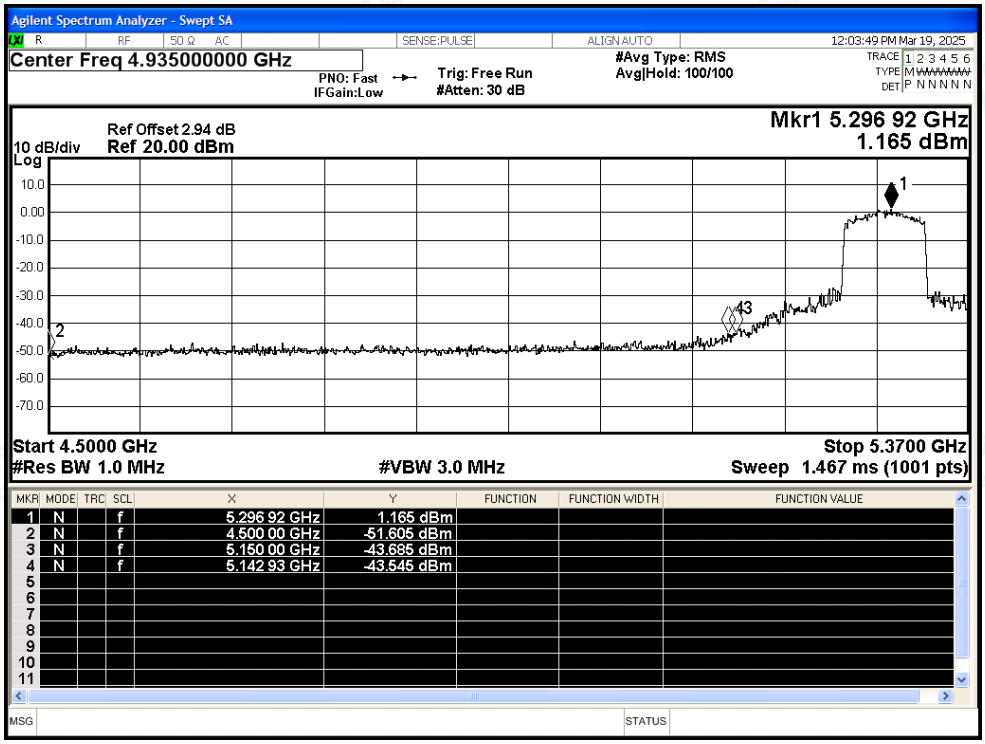
Restrict Band NVNT ac40 5310MHz Ant Peak



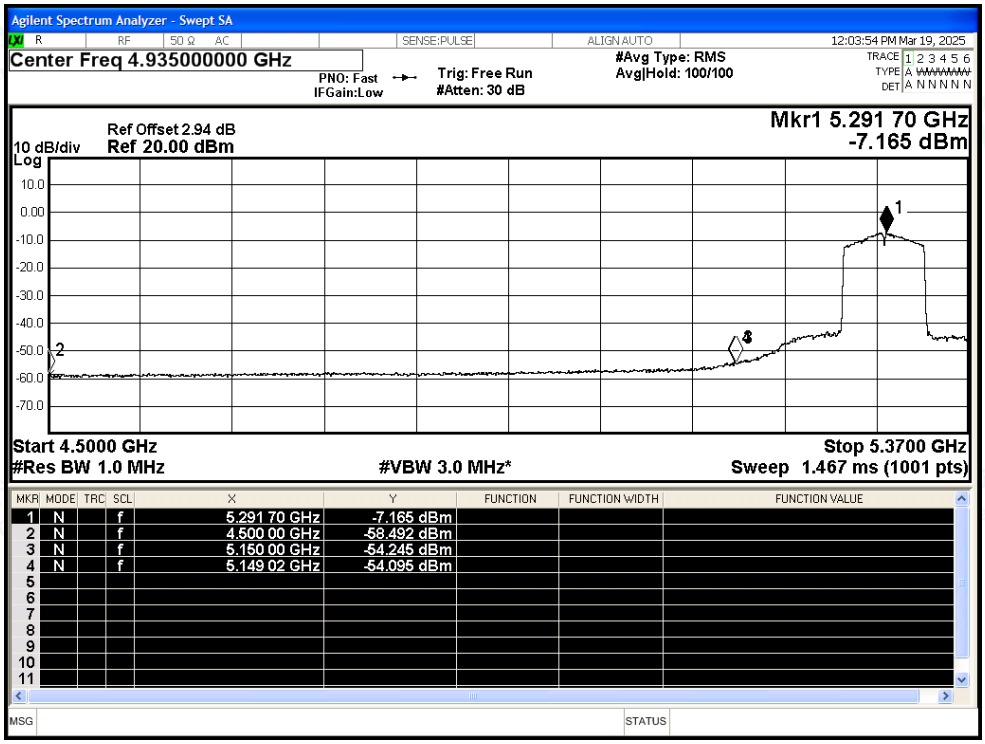
Restrict Band NVNT ac40 5310MHz Ant Average



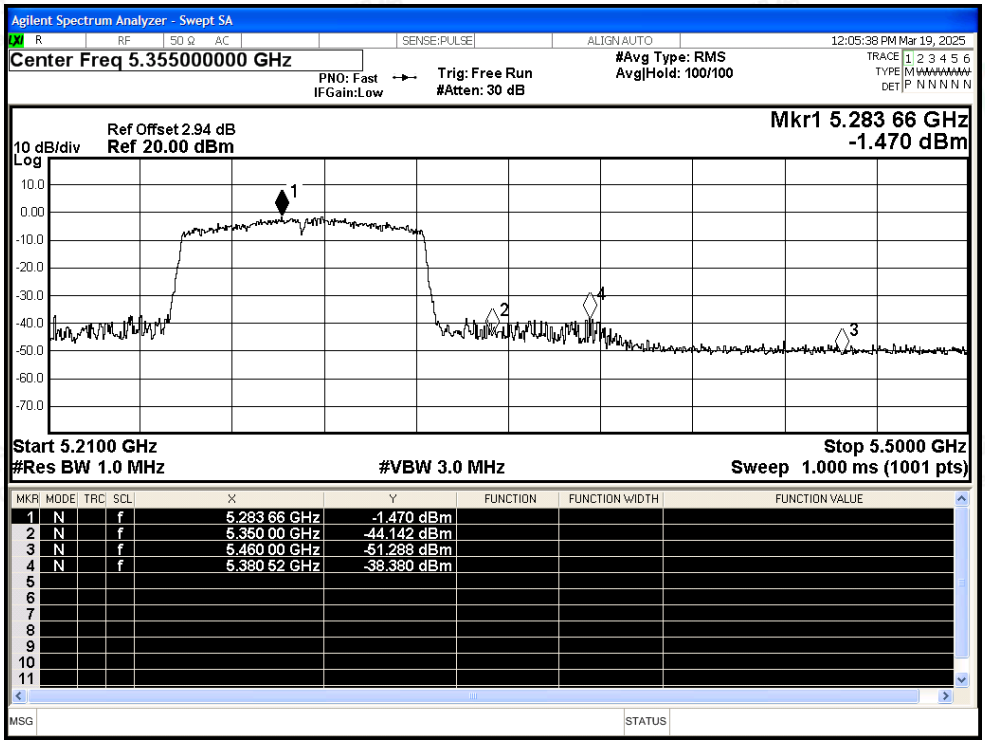
Restrict Band NVNT ac80 5290MHz Ant Peak



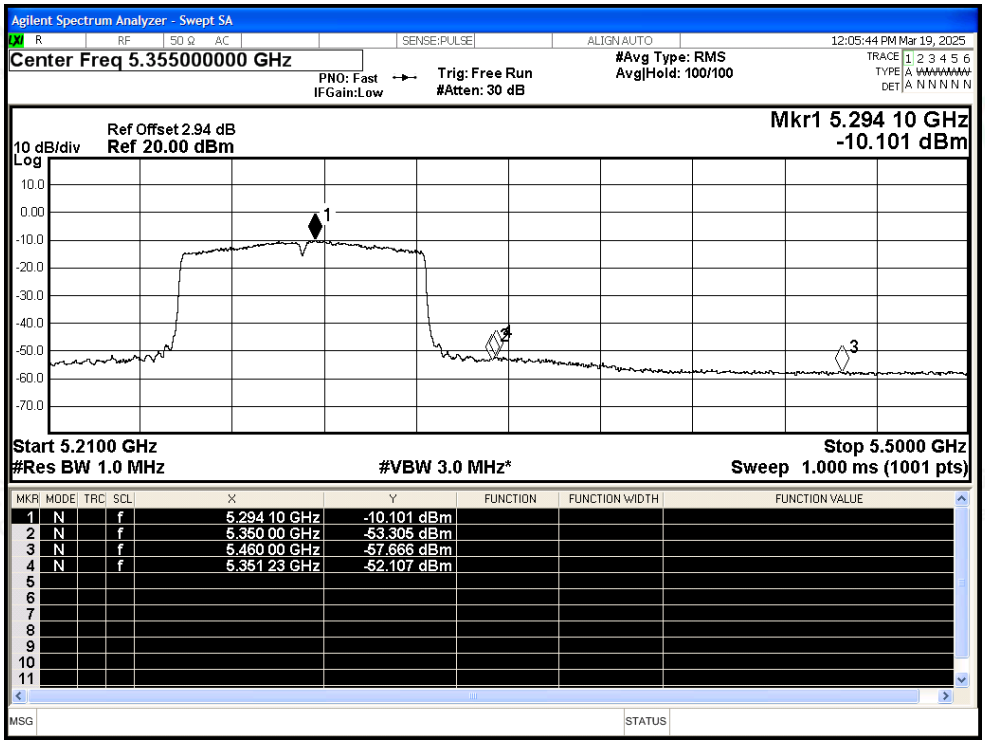
Restrict Band NVNT ac80 5290MHz Ant Average



Restrict Band NVNT ac80 5290MHz Ant Peak



Restrict Band NVNT ac80 5290MHz Ant Average

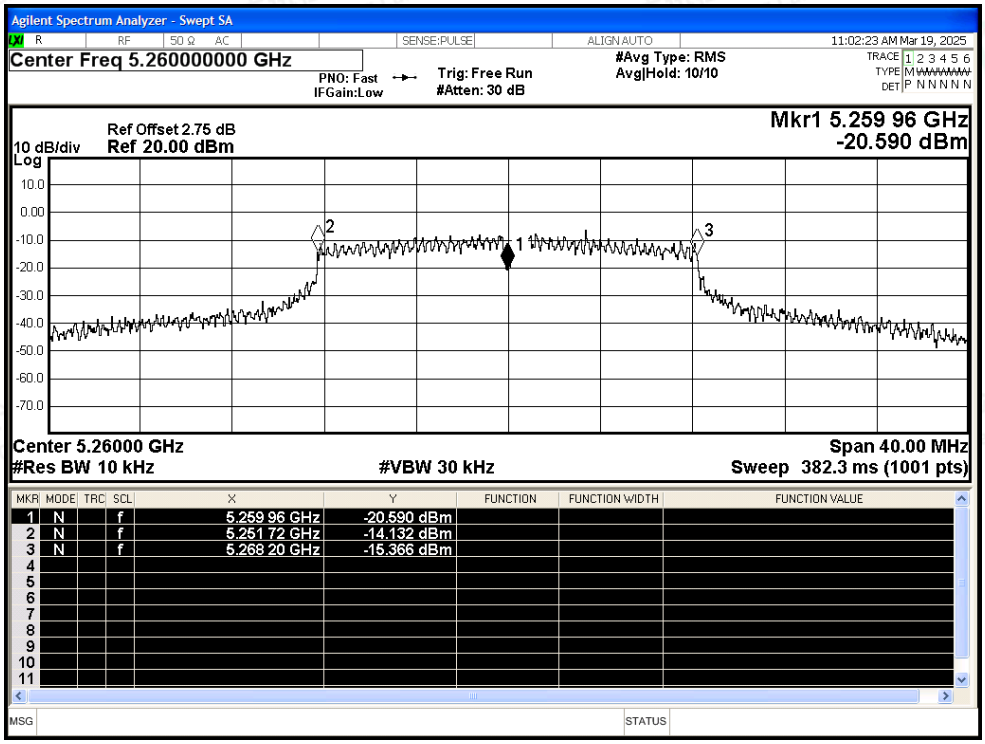


E.5 Frequency Stability

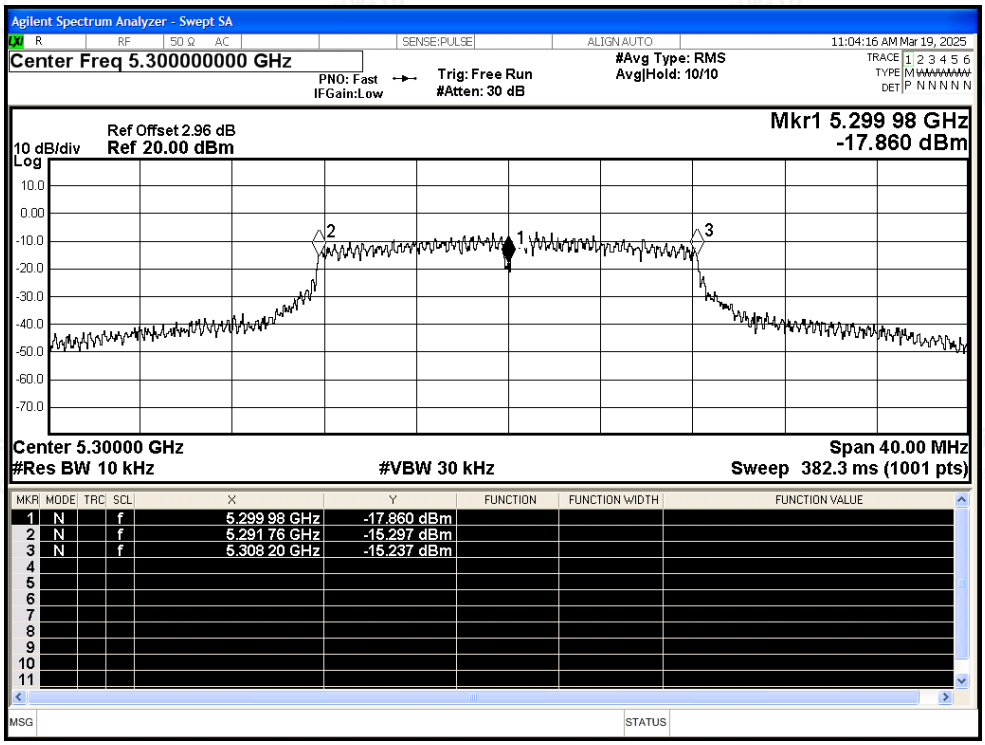
Condition	Mode	Frequency (MHz)	Antenna	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
NVNT	a	5260	Ant	5259.96	-40000	-7.6	25	Pass
NVNT	a	5300	Ant	5299.98	-20000	-3.77	25	Pass
NVNT	a	5320	Ant	5320	0	0	25	Pass
NVNT	n20	5260	Ant	5259.98	-20000	-3.8	25	Pass
NVNT	n20	5300	Ant	5300	0	0	25	Pass
NVNT	n20	5320	Ant	5320	0	0	25	Pass
NVNT	n40	5270	Ant	5269.96	-40000	-7.59	25	Pass
NVNT	n40	5310	Ant	5310.04	40000	7.53	25	Pass
NVNT	ac20	5260	Ant	5259.98	-20000	-3.8	25	Pass
NVNT	ac20	5300	Ant	5299.98	-20000	-3.77	25	Pass
NVNT	ac20	5320	Ant	5320	0	0	25	Pass
NVNT	ac40	5270	Ant	5270	0	0	25	Pass
NVNT	ac40	5310	Ant	5310	0	0	25	Pass
NVNT	ac80	5290	Ant	5290.08	80000	15.12	25	Pass

Test Graphs

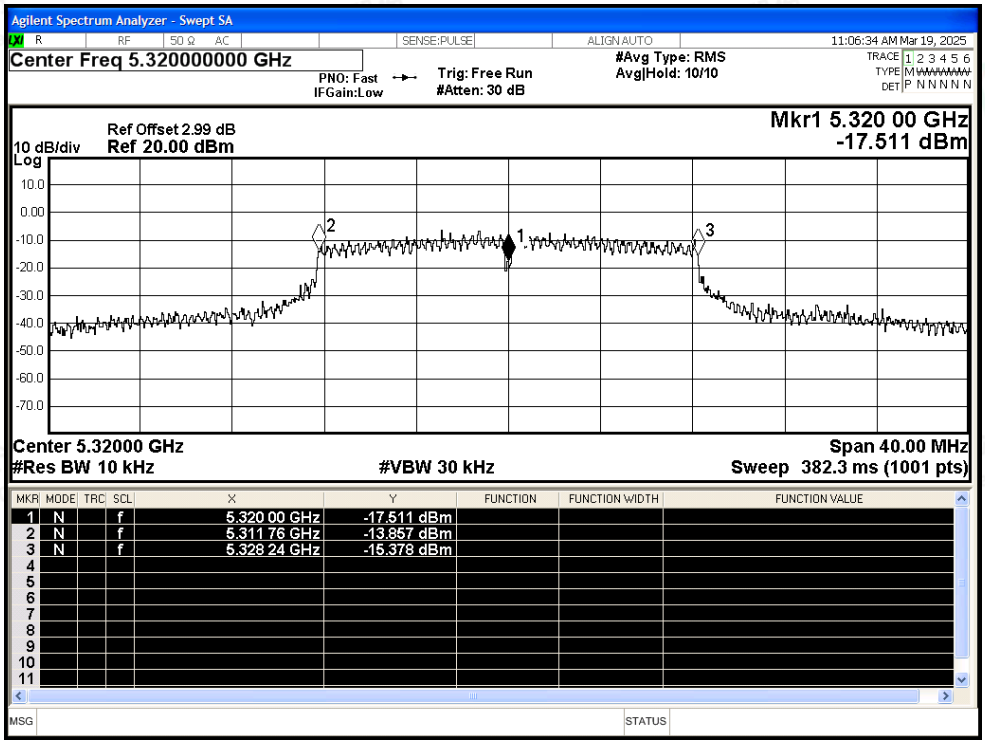
Freq. Stability NVNT a 5260MHz Ant



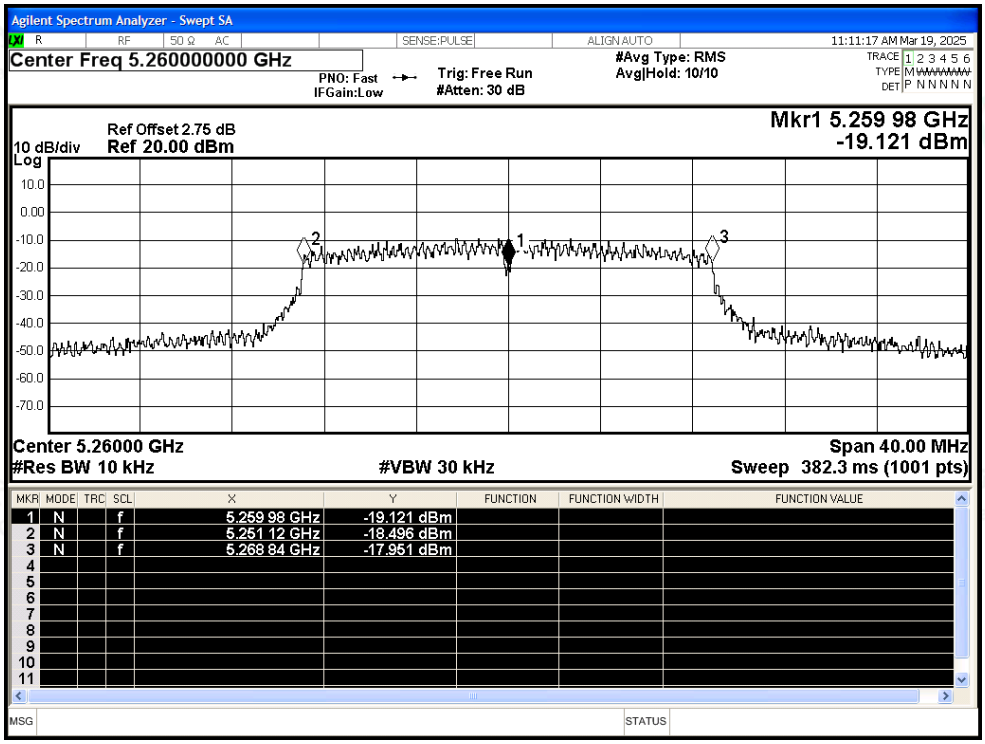
Freq. Stability NVNT a 5300MHz Ant



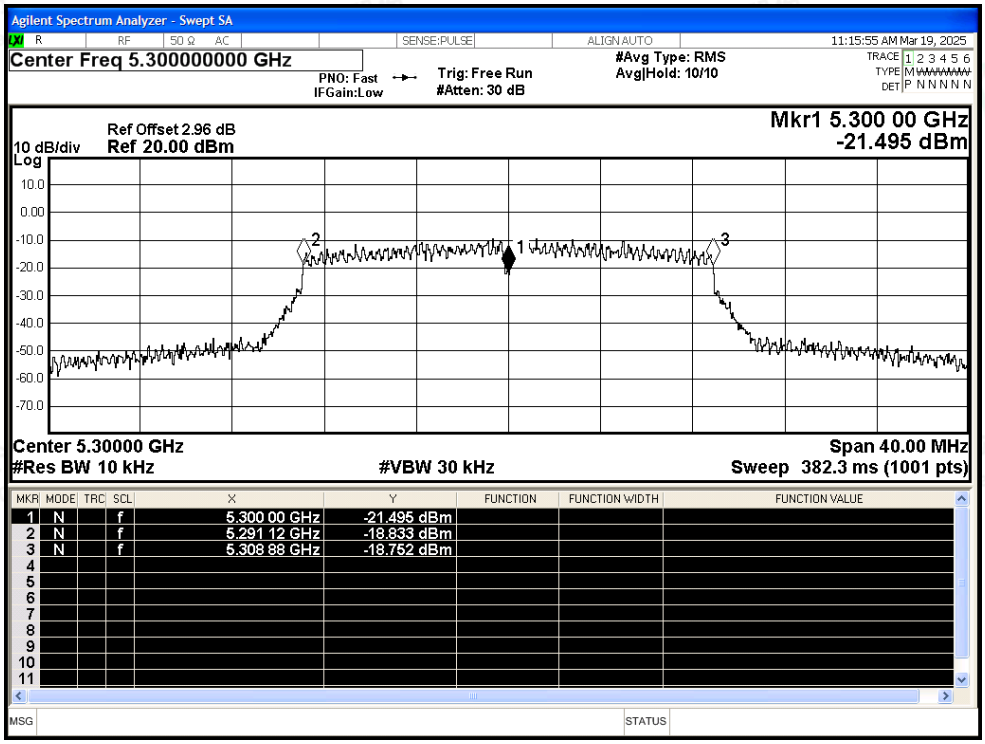
Freq. Stability NVNT a 5320MHz Ant



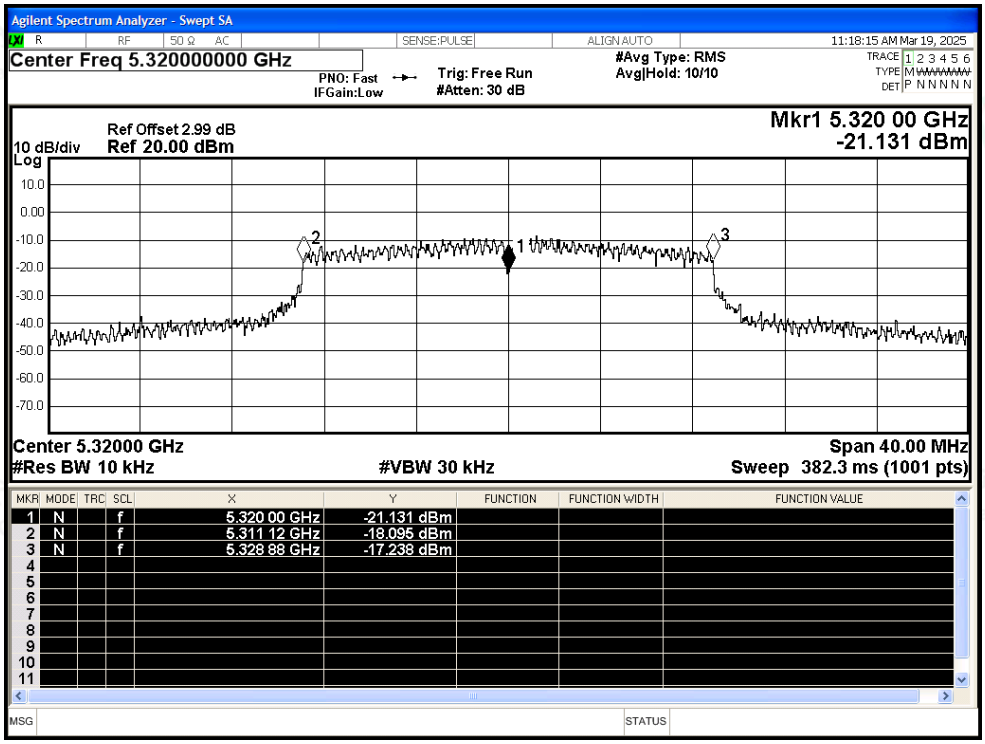
Freq. Stability NVNT n20 5260MHz Ant



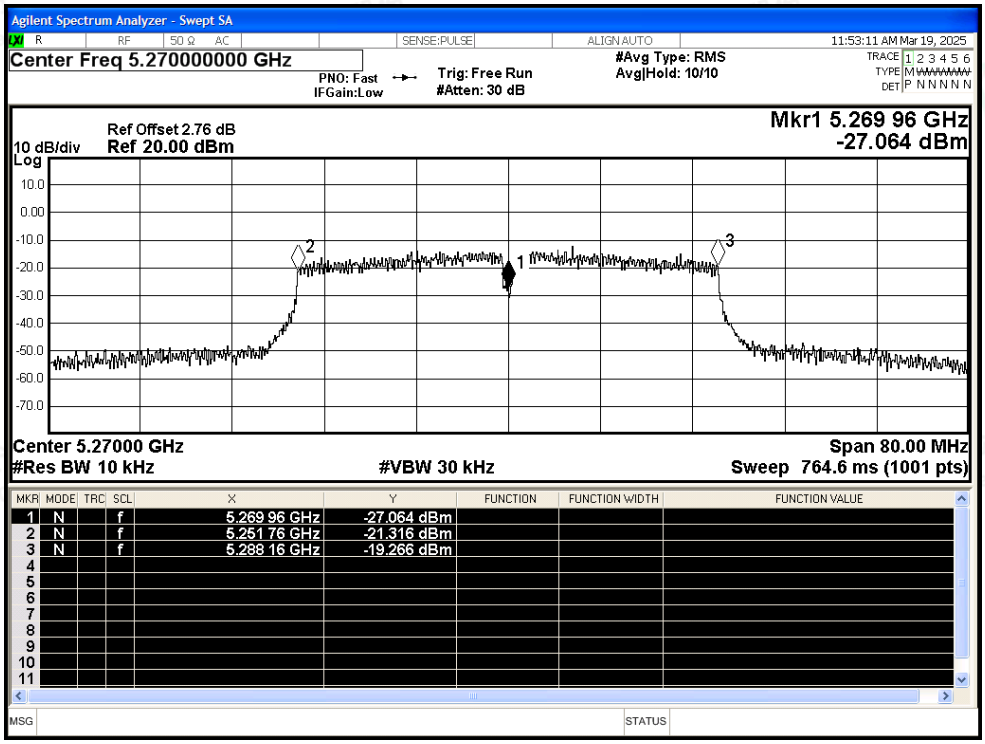
Freq. Stability NVNT n20 5300MHz Ant



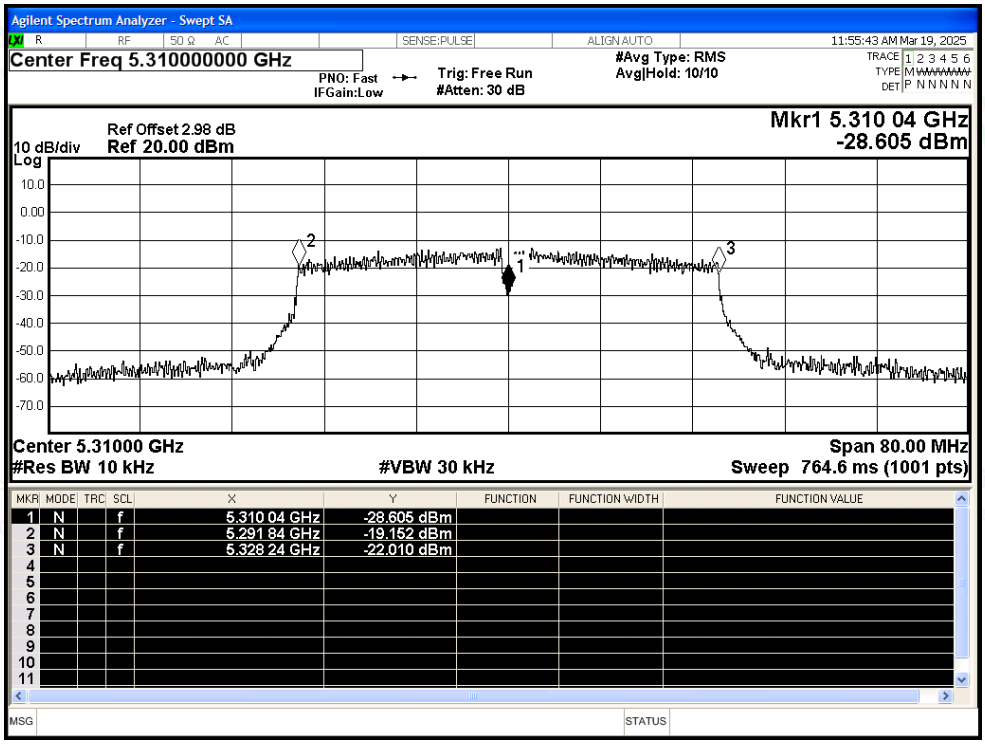
Freq. Stability NVNT n20 5320MHz Ant



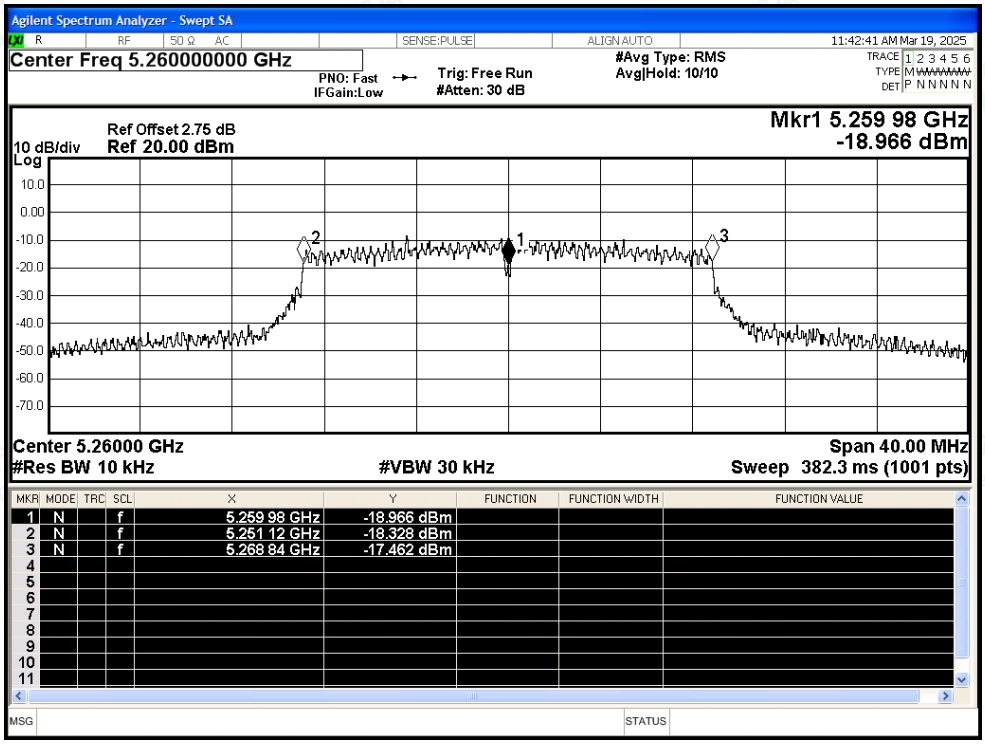
Freq. Stability NVNT n40 5270MHz Ant



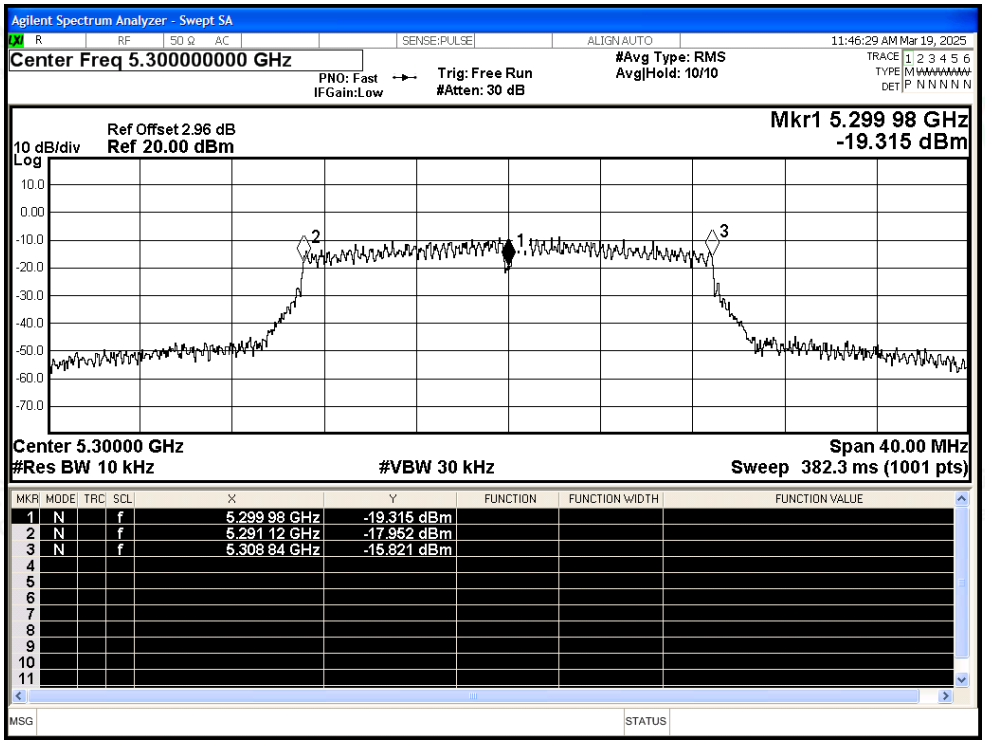
Freq. Stability NVNT n40 5310MHz Ant



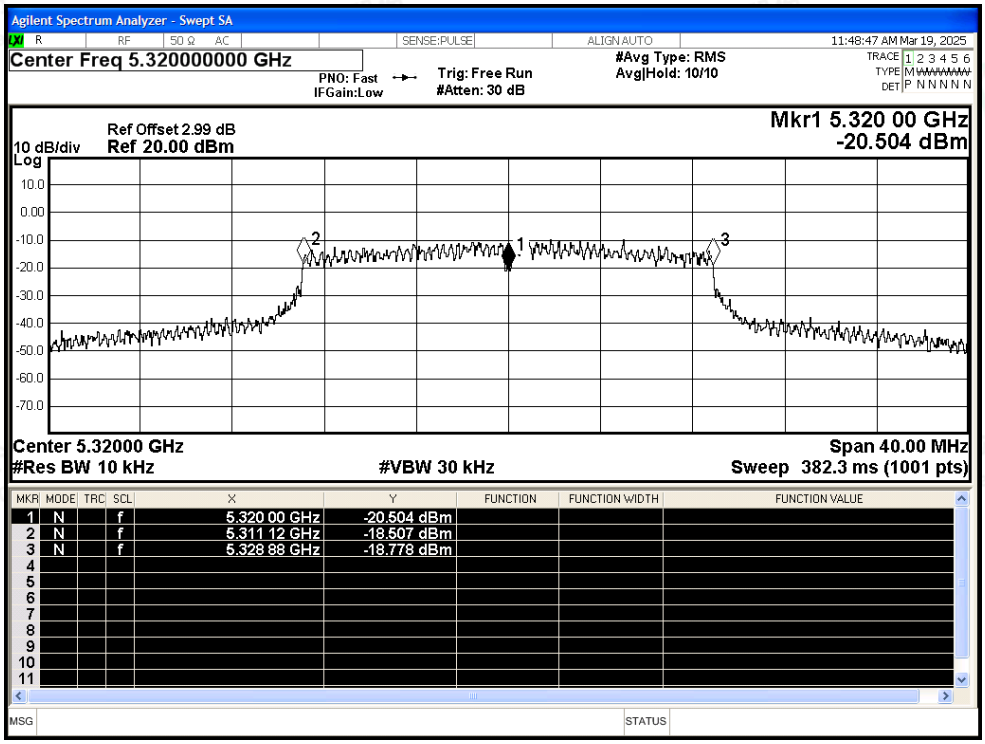
Freq. Stability NVNT ac20 5260MHz Ant



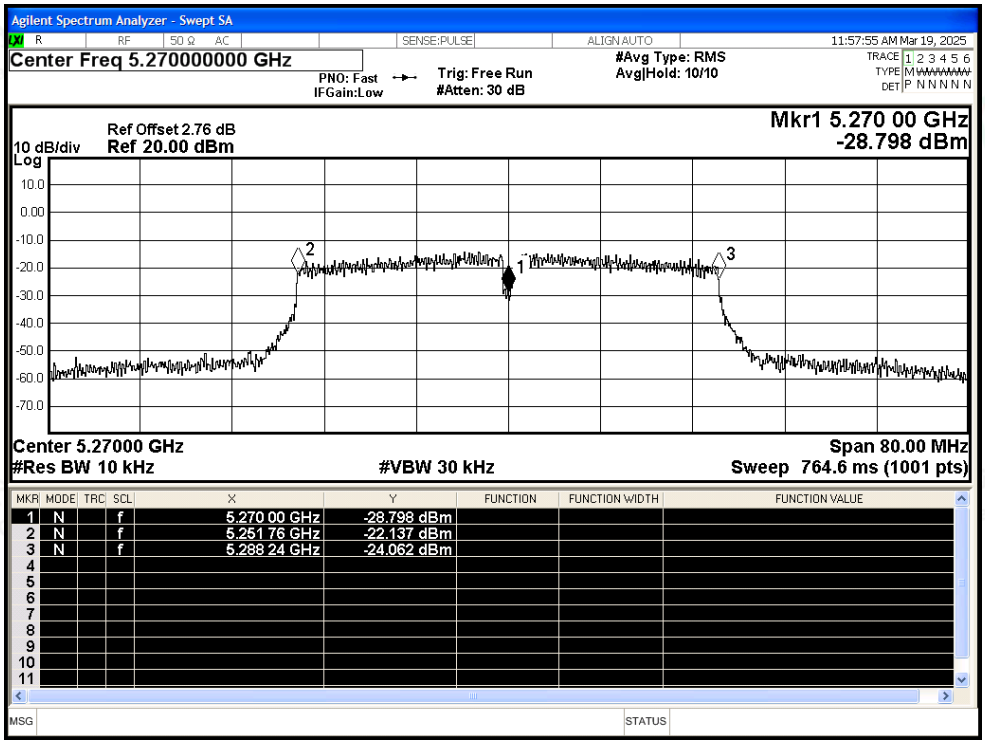
Freq. Stability NVNT ac20 5300MHz Ant



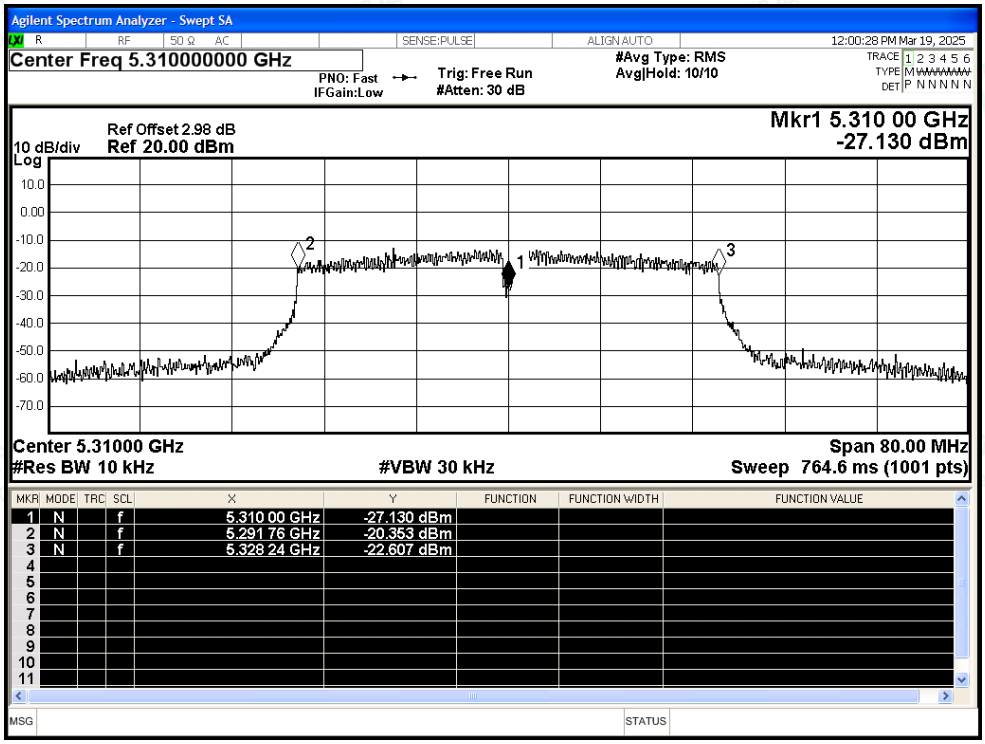
Freq. Stability NVNT ac20 5320MHz Ant



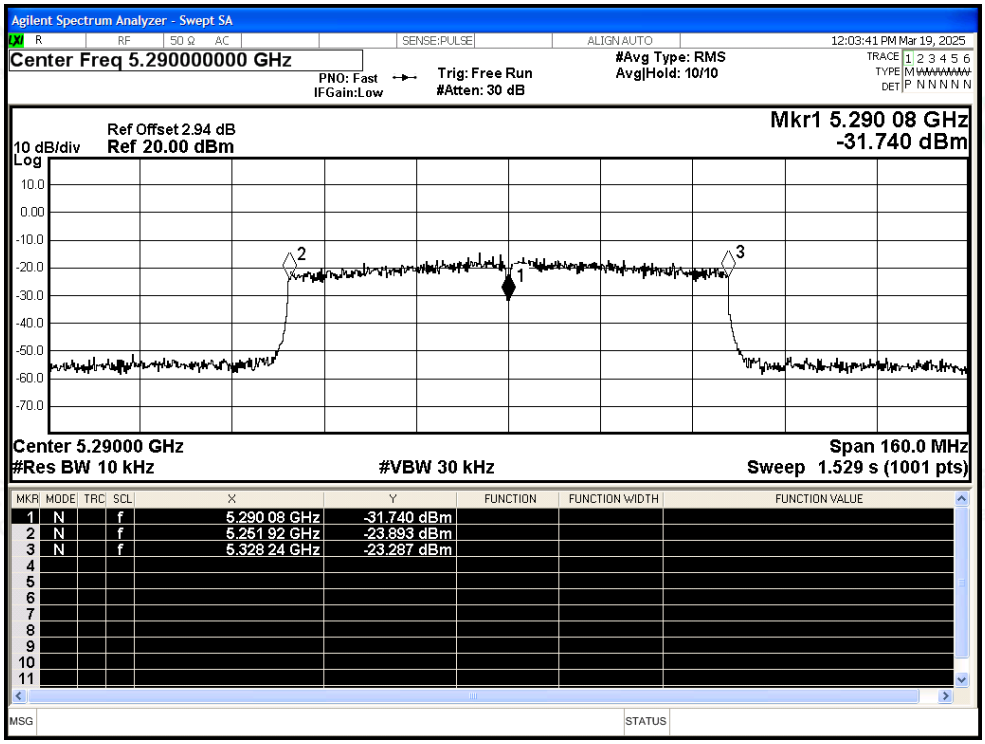
Freq. Stability NVNT ac40 5270MHz Ant



Freq. Stability NVNT ac40 5310MHz Ant



Freq. Stability NVNT ac80 5290MHz Ant

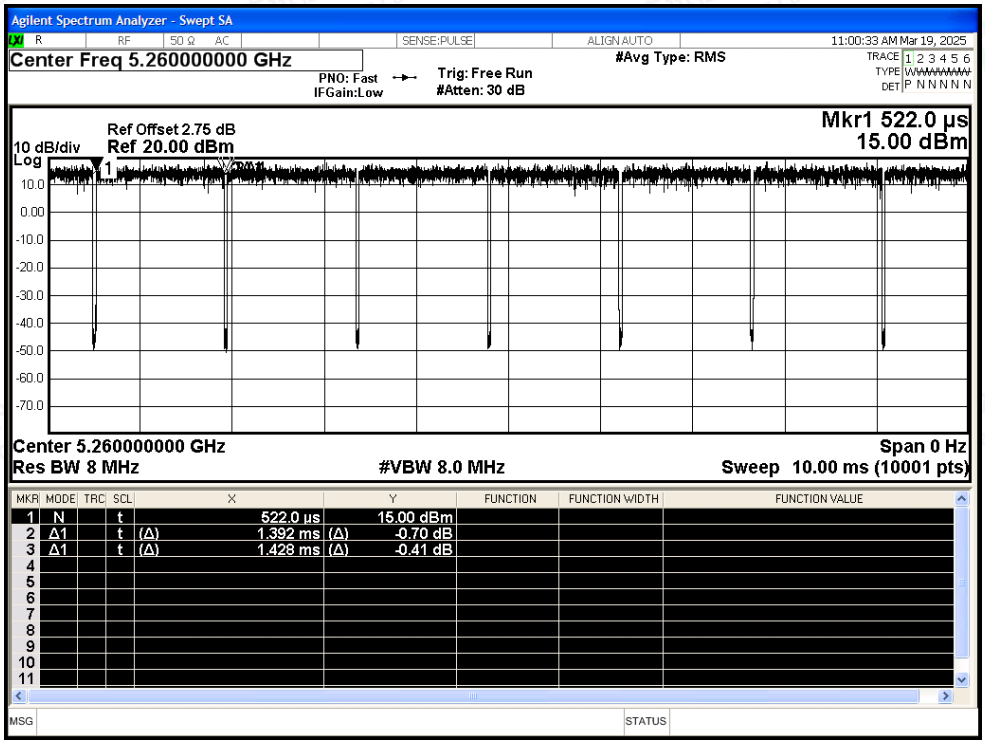


E.6 Duty Cycle

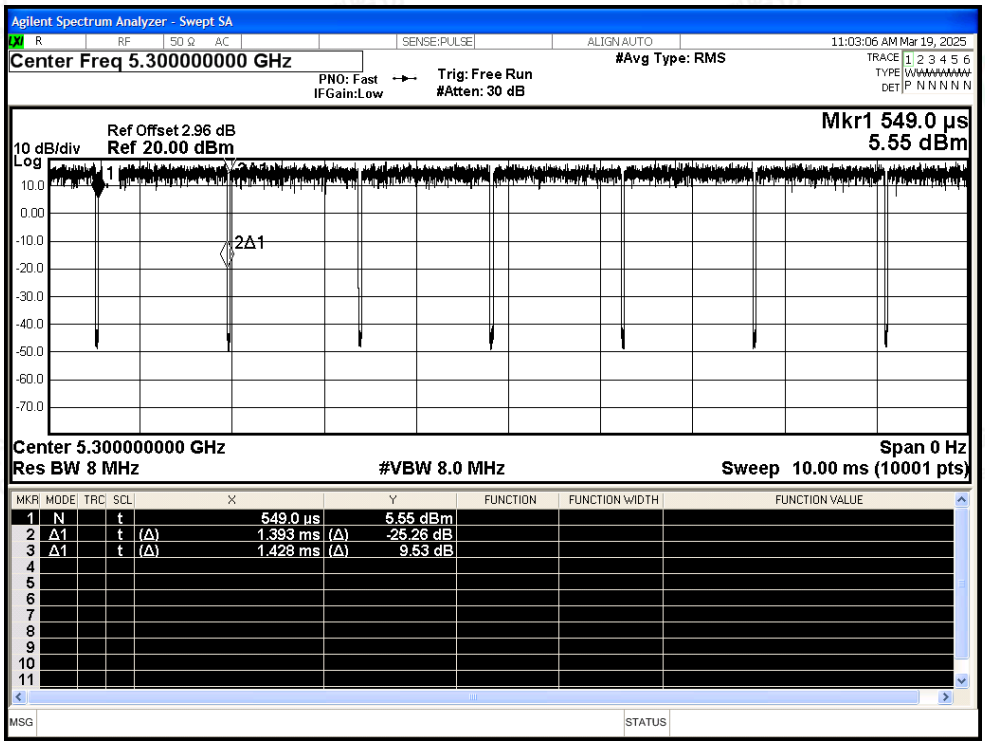
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5260	Ant	97.48	0.11	0.72
NVNT	a	5300	Ant	97.55	0.11	0.72
NVNT	a	5320	Ant	97.48	0.11	0.72
NVNT	n20	5260	Ant	97.38	0.12	0.77
NVNT	n20	5300	Ant	97.31	0.12	0.77
NVNT	n20	5320	Ant	97.38	0.12	0.77
NVNT	n40	5270	Ant	95.05	0.22	1.53
NVNT	n40	5310	Ant	94.94	0.23	1.53
NVNT	ac20	5260	Ant	97.4	0.11	0.76
NVNT	ac20	5300	Ant	97.4	0.11	0.76
NVNT	ac20	5320	Ant	97.4	0.11	0.76
NVNT	ac40	5270	Ant	94.94	0.23	1.53
NVNT	ac40	5310	Ant	94.94	0.23	1.53
NVNT	ac80	5290	Ant	99.88	0	3.08

Test Graphs

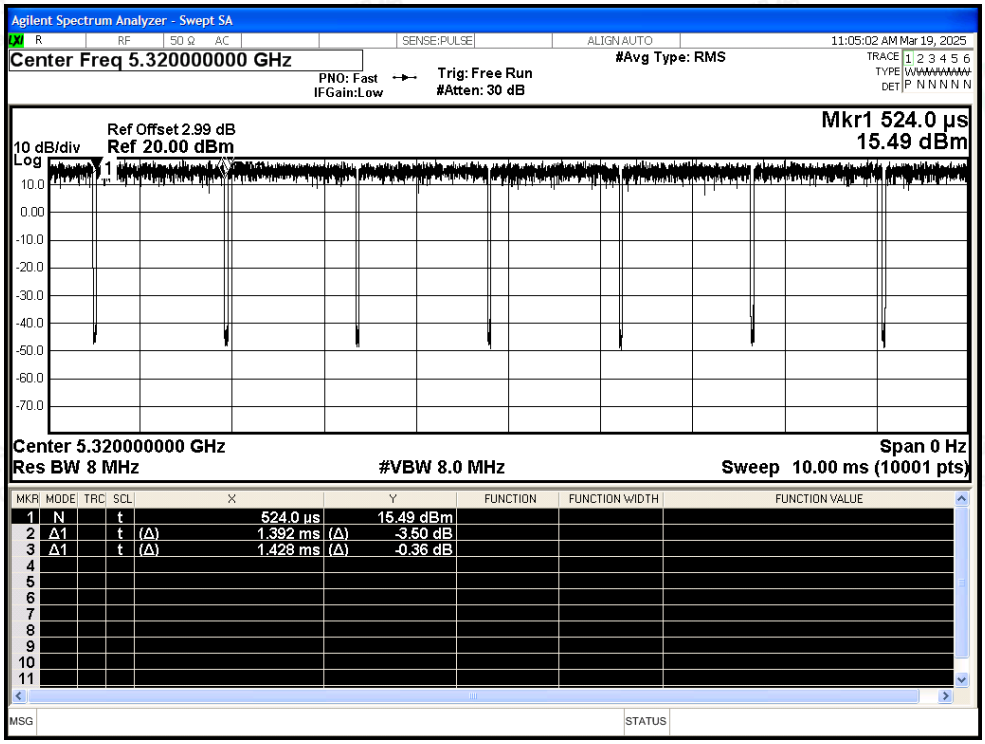
Duty Cycle NVNT a 5260MHz Ant



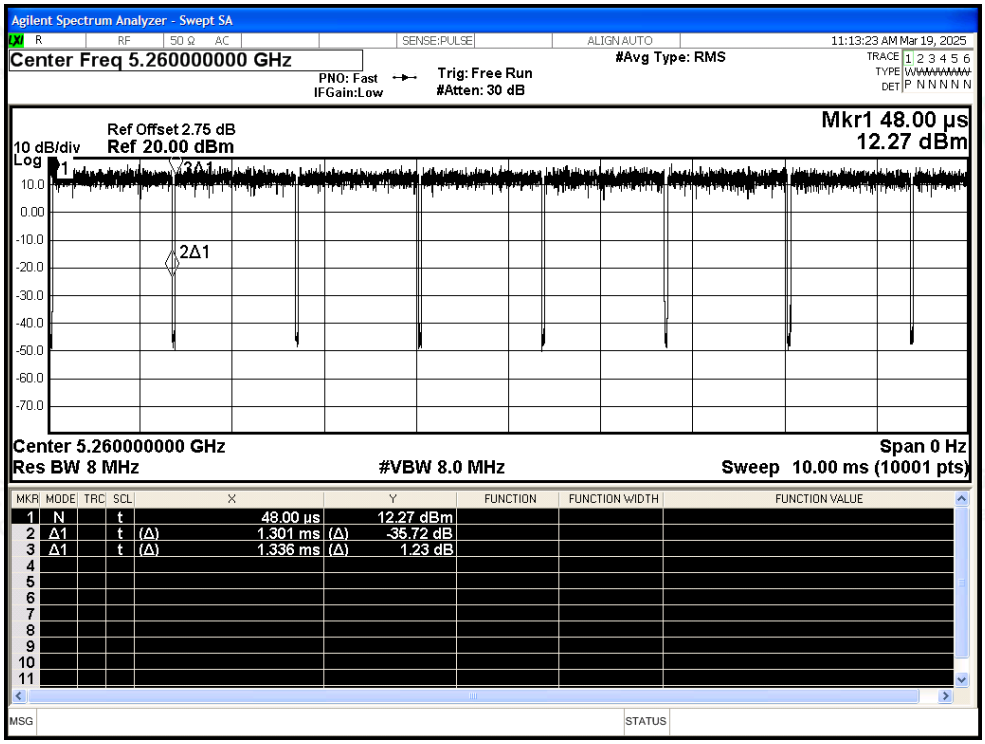
Duty Cycle NVNT a 5300MHz Ant



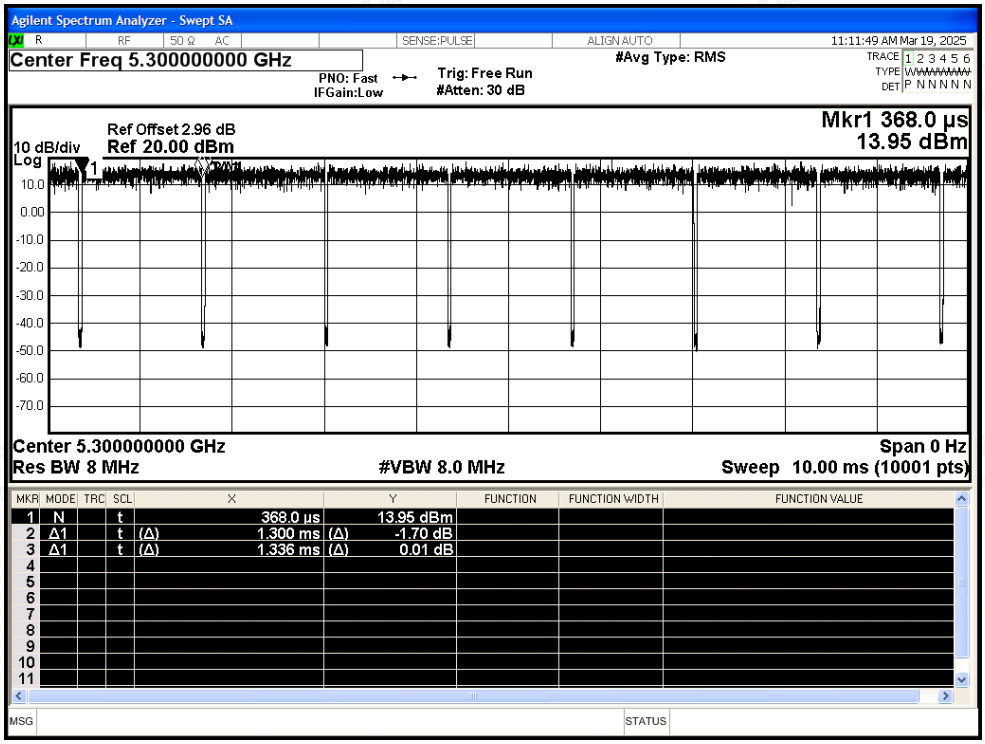
Duty Cycle NVNT a 5320MHz Ant



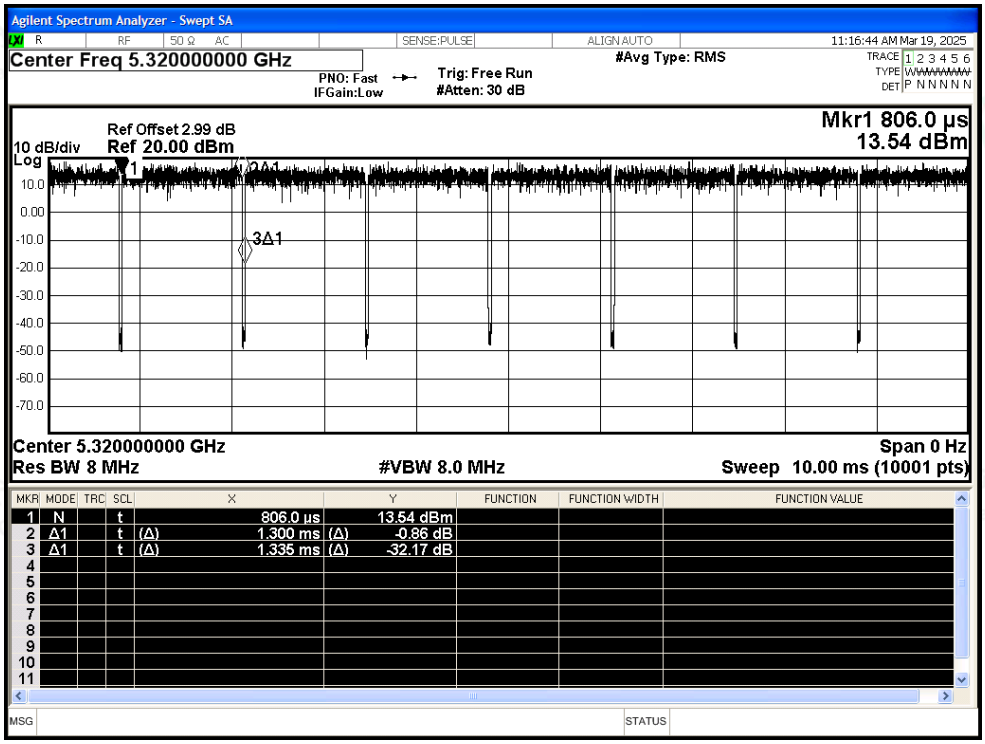
Duty Cycle NVNT n20 5260MHz Ant



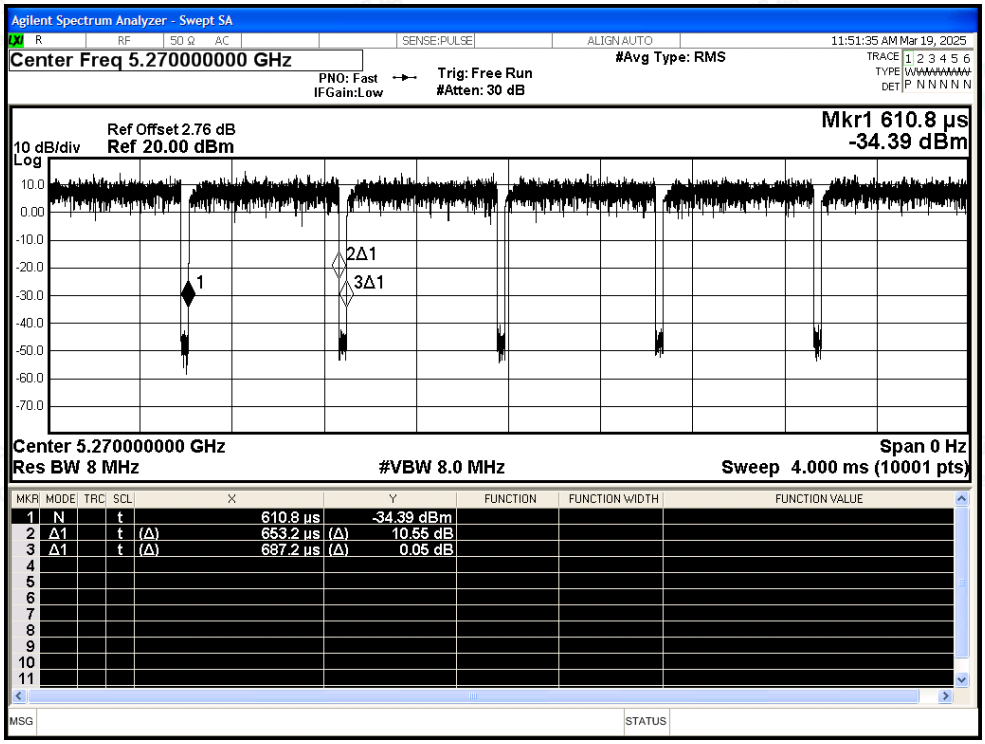
Duty Cycle NVNT n20 5300MHz Ant



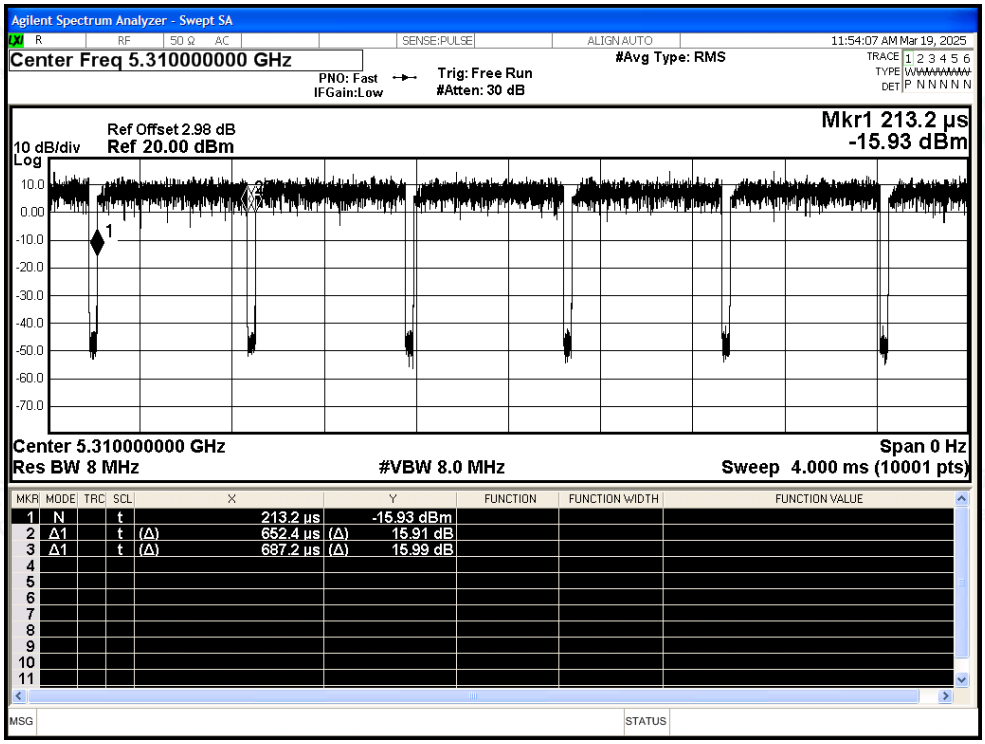
Duty Cycle NVNT n20 5320MHz Ant



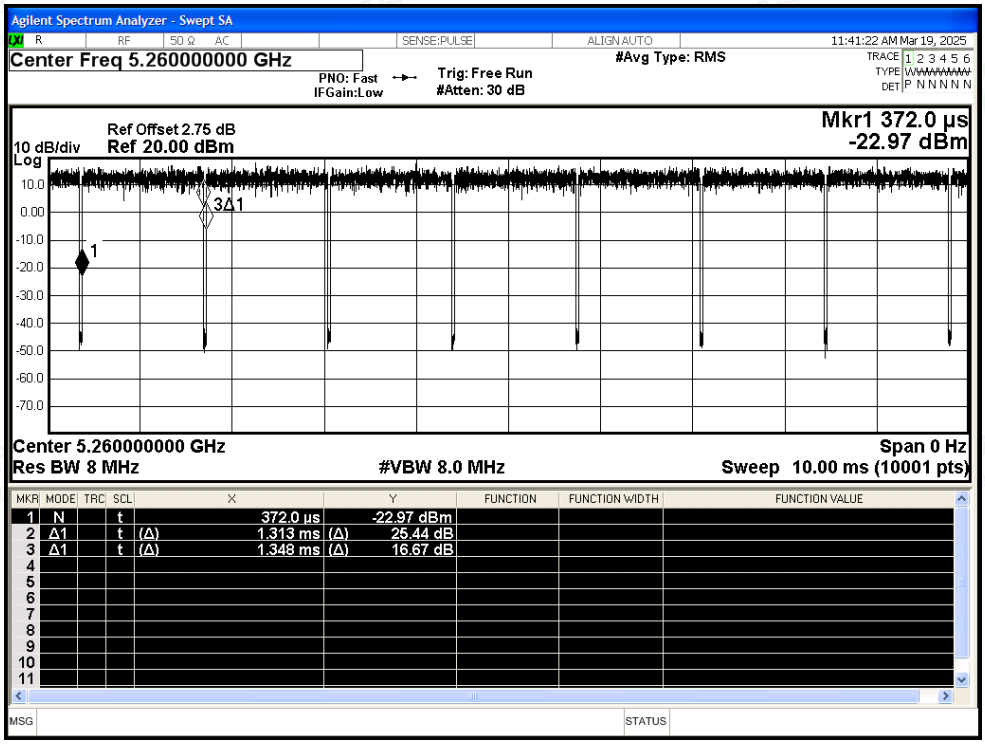
Duty Cycle NVNT n40 5270MHz Ant



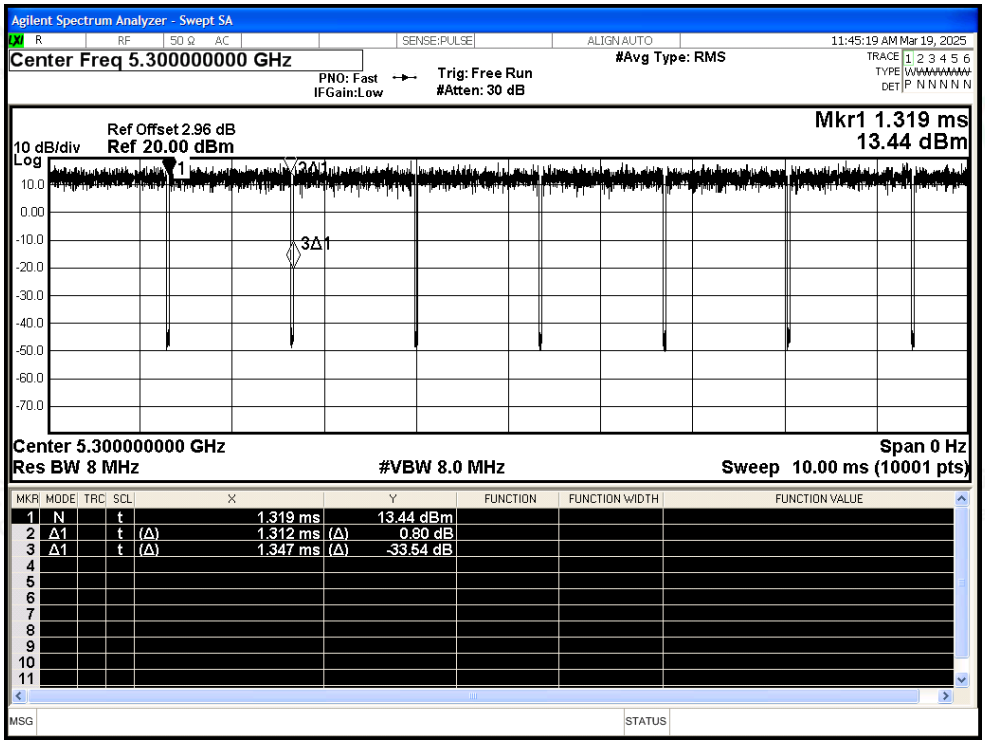
Duty Cycle NVNT n40 5310MHz Ant



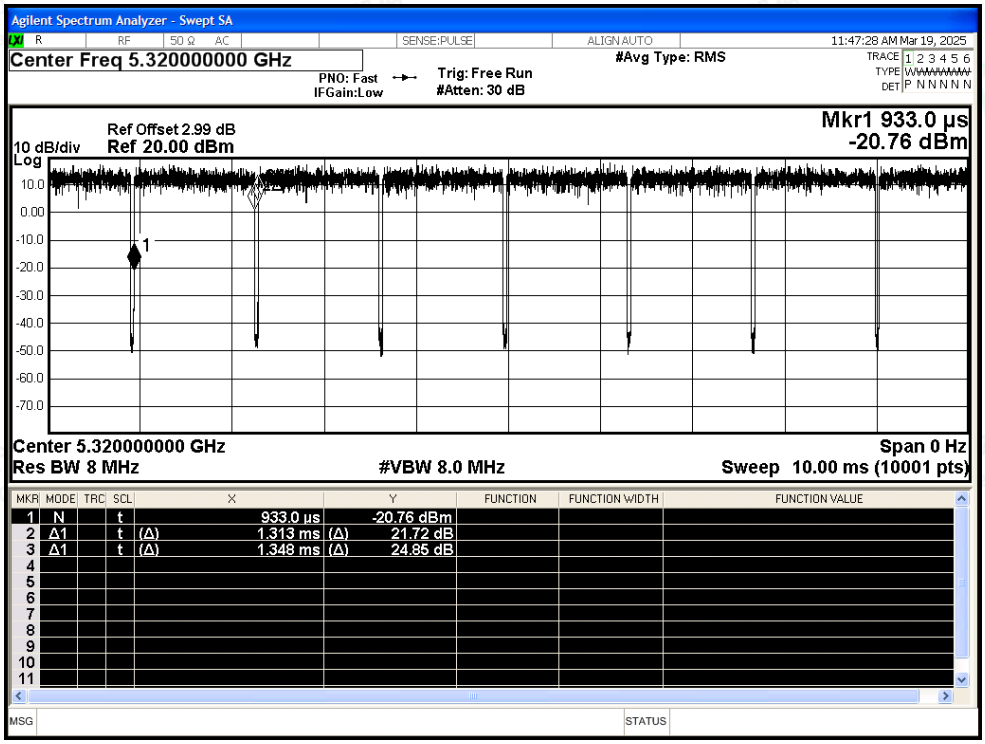
Duty Cycle NVNT ac20 5260MHz Ant



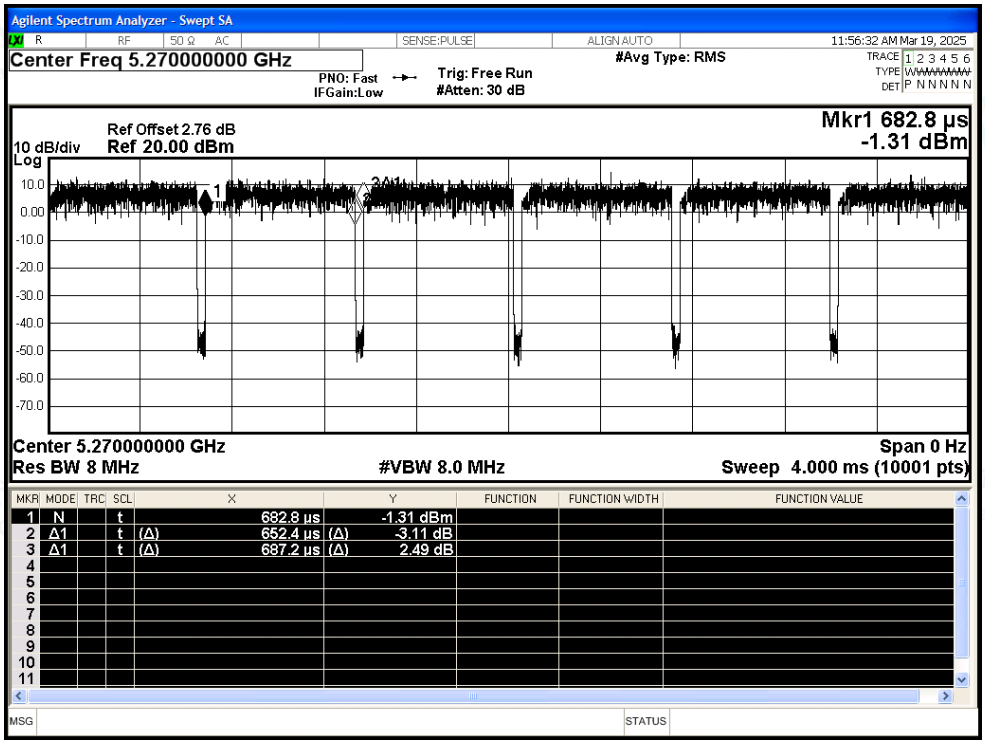
Duty Cycle NVNT ac20 5300MHz Ant



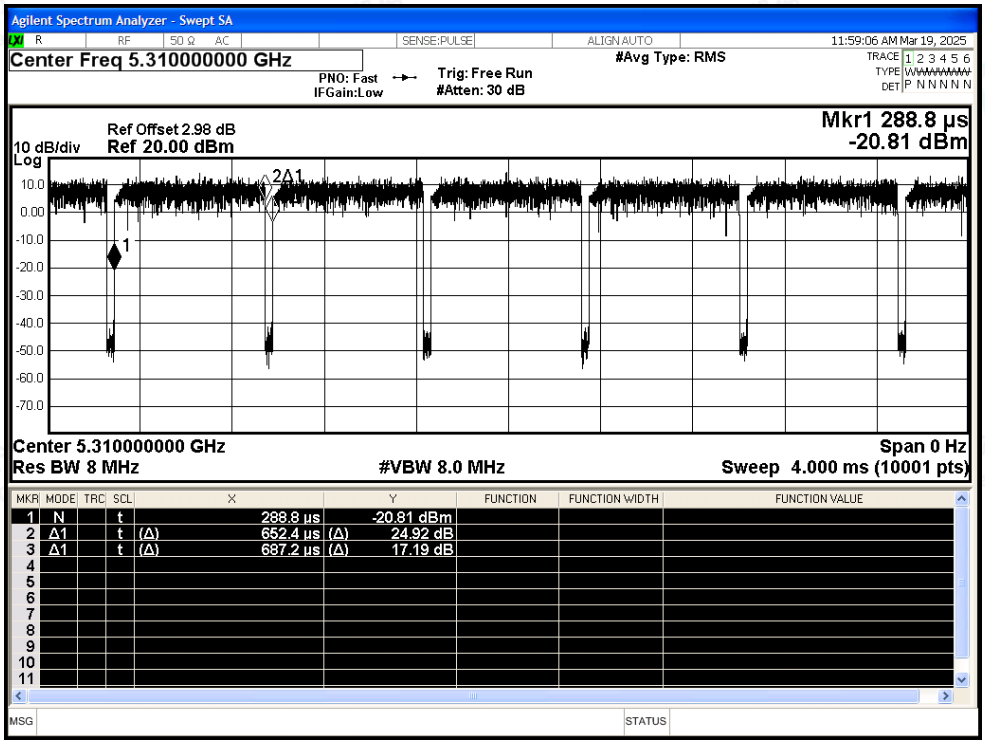
Duty Cycle NVNT ac20 5320MHz Ant



Duty Cycle NVNT ac40 5270MHz Ant



Duty Cycle NVNT ac40 5310MHz Ant



Duty Cycle NVNT ac80 5290MHz Ant

