Appendix J: Test Data for E-UTRA Band 5

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

J.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	24.19	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.14	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	24.14	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.12	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	24.22	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.17	PASS
Band5	1.4MHz	QPSK	20407	3RB#0	24.26	PASS
Band5	1.4MHz	16QAM	20407	3RB#0	23.17	PASS
Band5	1.4MHz	QPSK	20407	3RB#1	24.26	PASS
Band5	1.4MHz	16QAM	20407	3RB#1	23.22	PASS
Band5	1.4MHz	QPSK	20407	3RB#3	24.25	PASS
Band5	1.4MHz	16QAM	20407	3RB#3	23.14	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.32	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.37	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	24.38	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.17	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	24.35	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.25	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	24.43	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.28	PASS
Band5	1.4MHz	QPSK	20525	3RB#0	24.38	PASS
Band5	1.4MHz	16QAM	20525	3RB#0	23.15	PASS
Band5	1.4MHz	QPSK	20525	3RB#1	24.35	PASS
Band5	1.4MHz	16QAM	20525	3RB#1	23.18	PASS
Band5	1.4MHz	QPSK	20525	3RB#3	24.42	PASS
Band5	1.4MHz	16QAM	20525	3RB#3	23.18	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	23.32	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	22.18	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.17	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.97	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.13	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.96	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	24.12	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.92	PASS
Band5	1.4MHz	QPSK	20643	3RB#0	24.19	PASS
Band5	1.4MHz	16QAM	20643	3RB#0	23.02	PASS

Band5	1.4MHz	QPSK	20643	3RB#1	24.21	PASS
Band5	1.4MHz	16QAM	20643	3RB#1	23.01	PASS
Band5	1.4MHz	QPSK	20643	3RB#3	24.17	PASS
Band5	1.4MHz	16QAM	20643	3RB#3	22.99	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.23	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.15	PASS
Band5	3MHz	QPSK	20415	1RB#0	24.37	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.34	PASS
Band5	3MHz	QPSK	20415	1RB#8	24.35	PASS
Band5	3MHz	16QAM	20415	1RB#8	23.37	PASS
Band5	3MHz	QPSK	20415	1RB#14	24.37	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.33	PASS
Band5	3MHz	QPSK	20415	8RB#0	23.33	PASS
Band5	3MHz	16QAM	20415	8RB#0	22.37	PASS
Band5	3MHz	QPSK	20415	8RB#4	23.33	PASS
Band5	3MHz	16QAM	20415	8RB#4	22.37	PASS
Band5	3MHz	QPSK	20415	8RB#7	23.32	PASS
Band5	3MHz	16QAM	20415	8RB#7	22.32	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.31	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.33	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.37	PASS
Band5	3MHz	16QAM	20525	1RB#0	23.23	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.41	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.23	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.40	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.21	PASS
Band5	3MHz	QPSK	20525	8RB#0	23.36	PASS
Band5	3MHz	16QAM	20525	8RB#0	22.37	PASS
Band5	3MHz	QPSK	20525	8RB#4	23.35	PASS
Band5	3MHz	16QAM	20525	8RB#4	22.35	PASS
Band5	3MHz	QPSK	20525	8RB#7	23.34	PASS
Band5	3MHz	16QAM	20525	8RB#7	22.36	PASS
Band5	3MHz	QPSK	20525	15RB#0	23.38	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.28	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.20	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.98	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.19	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.98	PASS
Band5	3MHz	QPSK	20635	1RB#14	24.12	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.92	PASS
Band5	3MHz	QPSK	20635	8RB#0	23.30	PASS
Band5	3MHz	16QAM	20635	8RB#0	22.30	PASS

Band5	3MHz	QPSK	20635	8RB#4	23.31	PASS
Band5	3MHz	16QAM	20635	8RB#4	22.31	PASS
Band5	3MHz	QPSK	20635	8RB#7	23.22	PASS
Band5	3MHz	16QAM	20635	8RB#7	22.23	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.26	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.17	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.52	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.37	PASS
Band5	5MHz	QPSK	20425	1RB#12	24.55	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.31	PASS
Band5	5MHz	QPSK	20425	1RB#24	24.53	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.41	PASS
Band5	5MHz	QPSK	20425	12RB#0	23.37	PASS
Band5	5MHz	16QAM	20425	12RB#0	22.38	PASS
Band5	5MHz	QPSK	20425	12RB#6	23.36	PASS
Band5	5MHz	16QAM	20425	12RB#6	22.40	PASS
Band5	5MHz	QPSK	20425	12RB#13	23.35	PASS
Band5	5MHz	16QAM	20425	12RB#13	22.37	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.41	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.39	PASS
Band5	5MHz	QPSK	20525	1RB#0	24.42	PASS
Band5	5MHz	16QAM	20525	1RB#0	23.46	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.49	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.50	PASS
Band5	5MHz	QPSK	20525	1RB#24	24.43	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.50	PASS
Band5	5MHz	QPSK	20525	12RB#0	23.43	PASS
Band5	5MHz	16QAM	20525	12RB#0	22.49	PASS
Band5	5MHz	QPSK	20525	12RB#6	23.42	PASS
Band5	5MHz	16QAM	20525	12RB#6	22.49	PASS
Band5	5MHz	QPSK	20525	12RB#13	23.38	PASS
Band5	5MHz	16QAM	20525	12RB#13	22.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.41	PASS
Band5	5MHz	QPSK	20625	1RB#0	24.48	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.30	PASS
Band5	5MHz	QPSK	20625	1RB#12	24.36	PASS
Band5	5MHz	16QAM	20625	1RB#12	23.23	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.35	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.17	PASS
Band5	5MHz	QPSK	20625	12RB#0	23.34	PASS
Band5	5MHz	16QAM	20625	12RB#0	22.37	PASS

Band5	5MHz	QPSK	20625	12RB#6	23.36	PASS
Band5	5MHz	16QAM	20625	12RB#6	22.37	PASS
Band5	5MHz	QPSK	20625	12RB#13	23.26	PASS
Band5	5MHz	16QAM	20625	12RB#13	22.29	PASS
Band5	5MHz	QPSK	20625	25RB#0	23.36	PASS
Band5	5MHz	16QAM	20625	25RB#0	22.36	PASS
Band5	10MHz	QPSK	20450	1RB#0	24.50	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.50	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.39	PASS
Band5	10MHz	QPSK	20450	1RB#49	24.43	PASS
Band5	10MHz	16QAM	20450	1RB#49	23.44	PASS
Band5	10MHz	QPSK	20450	25RB#0	23.39	PASS
Band5	10MHz	16QAM	20450	25RB#0	22.37	PASS
Band5	10MHz	QPSK	20450	25RB#12	23.39	PASS
Band5	10MHz	16QAM	20450	25RB#12	22.35	PASS
Band5	10MHz	QPSK	20450	25RB#25	23.45	PASS
Band5	10MHz	16QAM	20450	25RB#25	22.41	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.41	PASS
Band5	10MHz	16QAM	20450	50RB#0	22.40	PASS
Band5	10MHz	QPSK	20525	1RB#0	24.47	PASS
Band5	10MHz	16QAM	20525	1RB#0	23.39	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.32	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.29	PASS
Band5	10MHz	QPSK	20525	25RB#0	23.44	PASS
Band5	10MHz	16QAM	20525	25RB#0	22.42	PASS
Band5	10MHz	QPSK	20525	25RB#12	23.43	PASS
Band5	10MHz	16QAM	20525	25RB#12	22.42	PASS
Band5	10MHz	QPSK	20525	25RB#25	23.45	PASS
Band5	10MHz	16QAM	20525	25RB#25	22.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	23.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	24.37	PASS
Band5	10MHz	QPSK	20525	1RB#49	24.44	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	24.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.24	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.26	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.06	PASS
Band5	10MHz	QPSK	20600	1RB#49	24.29	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.08	PASS
Band5	10MHz	QPSK	20600	25RB#0	23.40	PASS
Band5	10MHz	16QAM	20600	25RB#0	22.43	PASS

Band5	10MHz	QPSK	20600	50RB#0	23.39	PASS
Band5	10MHz	QPSK	20600	25RB#12	23.41	PASS
Band5	10MHz	16QAM	20600	25RB#12	22.42	PASS
Band5	10MHz	QPSK	20600	25RB#25	23.34	PASS
Band5	10MHz	16QAM	20600	25RB#25	22.35	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.38	PASS

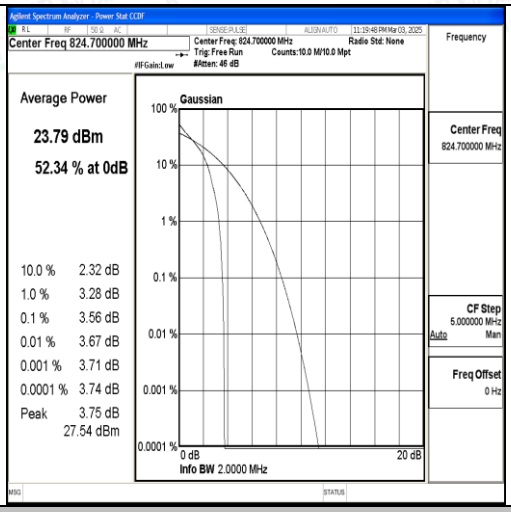
J.2 Peak-to-Average Ratio(CCDF)

Test Result

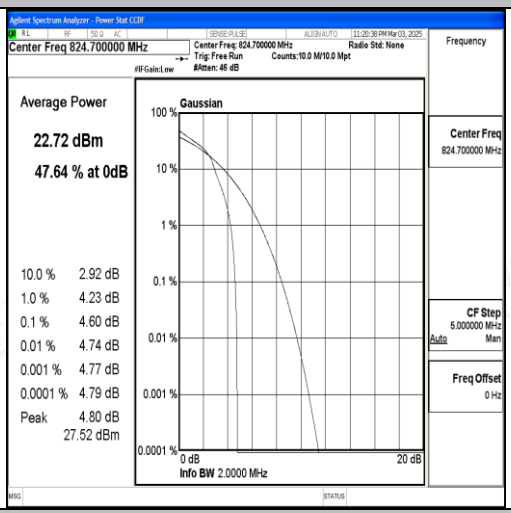
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	3.56	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	4.60	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	4.66	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.46	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.36	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.49	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.19	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.02	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.77	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.72	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.76	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.62	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	3.46	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	4.41	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.64	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.46	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.44	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.33	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.23	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.01	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.86	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.96	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.85	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.72	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	3.40	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	4.37	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.07	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.78	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.48	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.28	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.37	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.08	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	3.54	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.43	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.19	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.93	13	PASS

Band5	10MHz	QPSK	20450	1RB#0	3.41	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	4.34	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.24	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.98	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.28	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.22	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.30	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.07	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	3.67	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	4.76	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.17	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.94	13	PASS

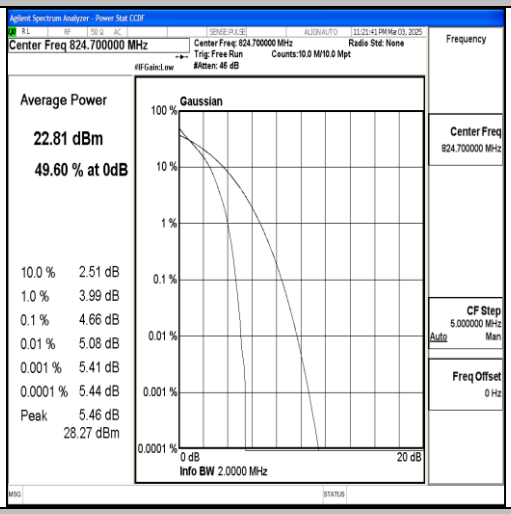
Test Graphs



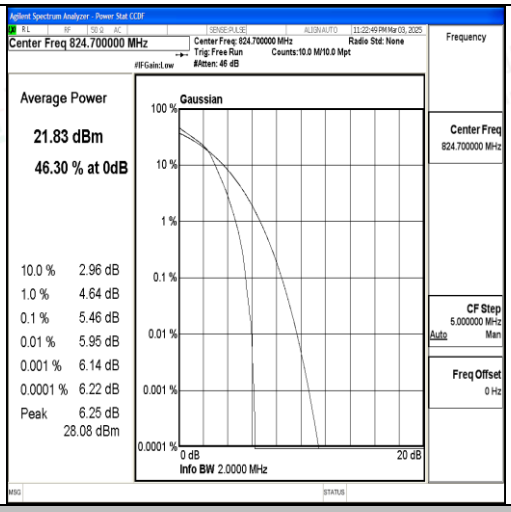
Band5-1.4MHz-QPSK-20407-1RB#0-PASS



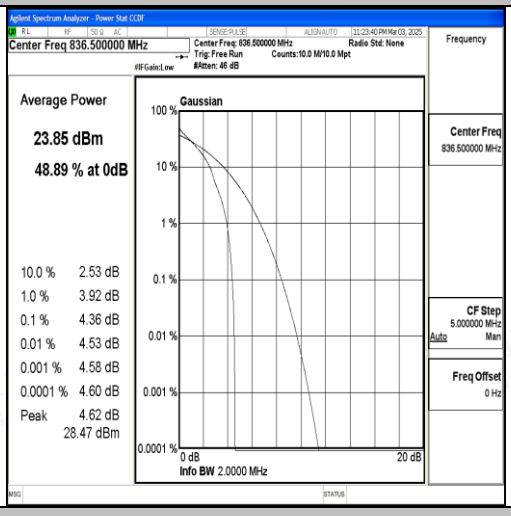
Band5-1.4MHz-16QAM-20407-1RB#0-PASS



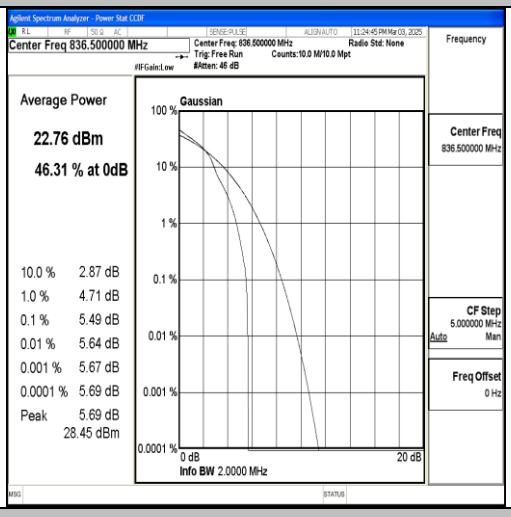
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



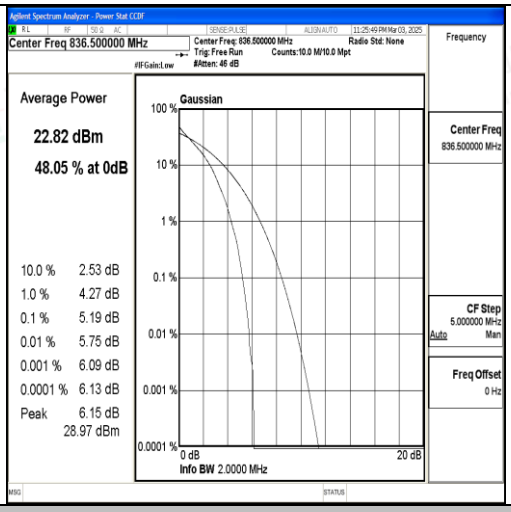
Band5-1.4MHz-16QAM-20407-6RB#0-PASS



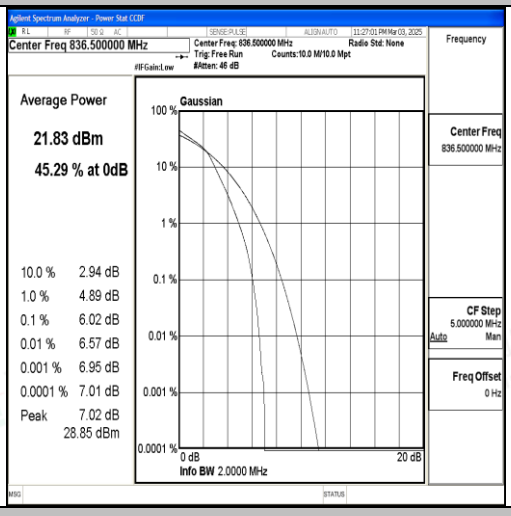
Band5-1.4MHz-QPSK-20525-1RB#0-PASS



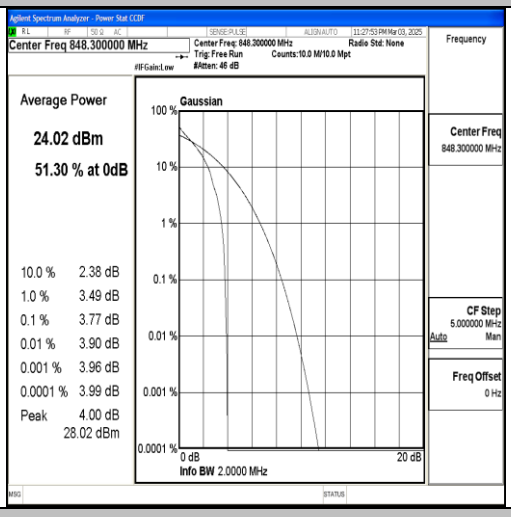
Band5-1.4MHz-16QAM-20525-1RB#0-PASS



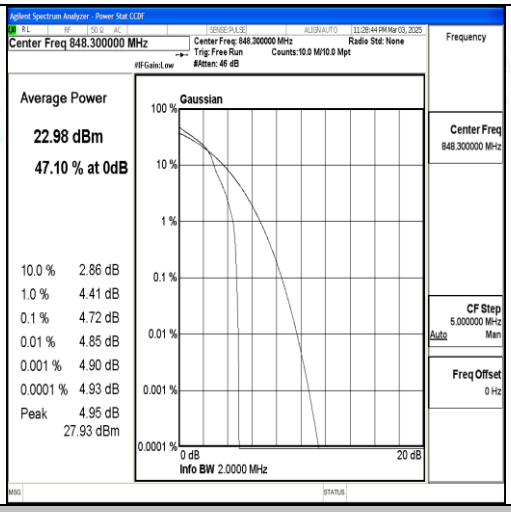
Band5-1.4MHz-QPSK-20525-6RB#0-PASS



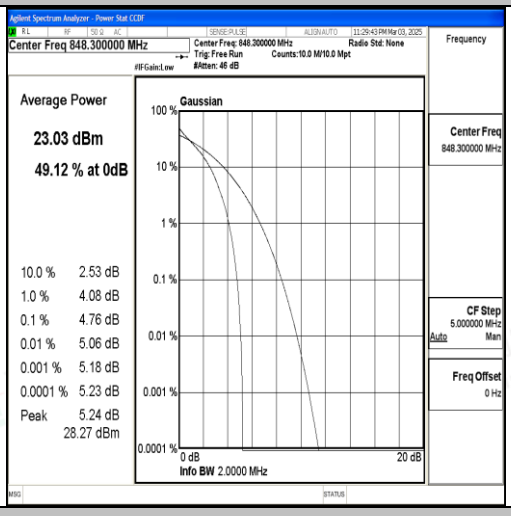
Band5-1.4MHz-16QAM-20525-6RB#0-PASS



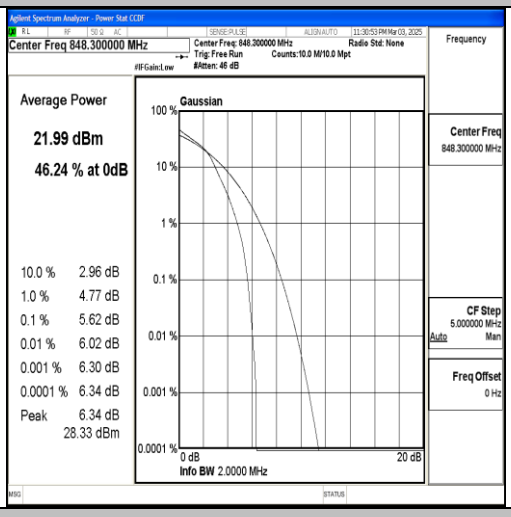
Band5-1.4MHz-QPSK-20643-1RB#0-PASS



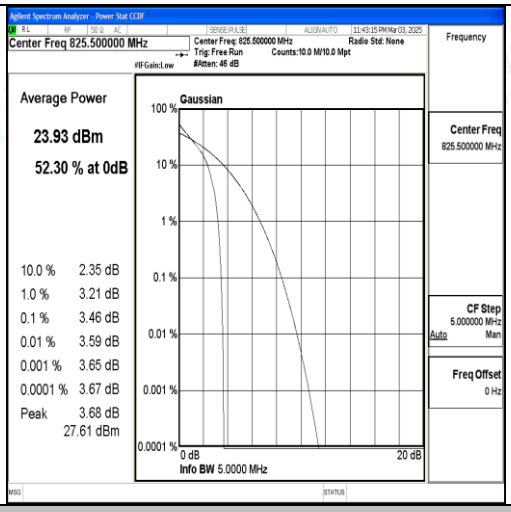
Band5-1.4MHz-16QAM-20643-1RB#0-PASS



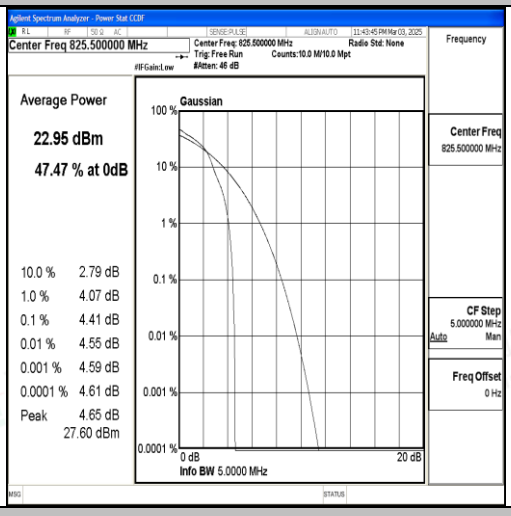
Band5-1.4MHz-QPSK-20643-6RB#0-PASS



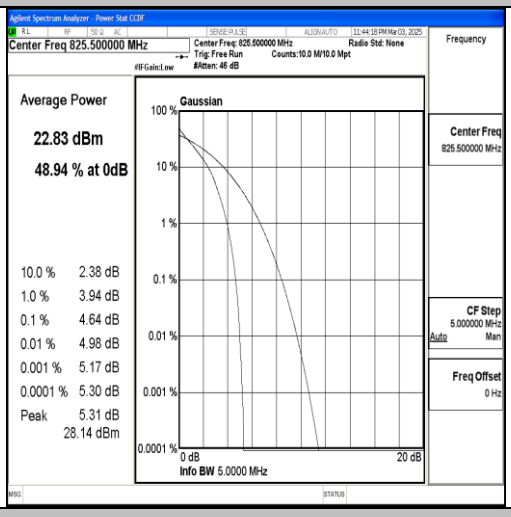
Band5-1.4MHz-16QAM-20643-6RB#0-PASS



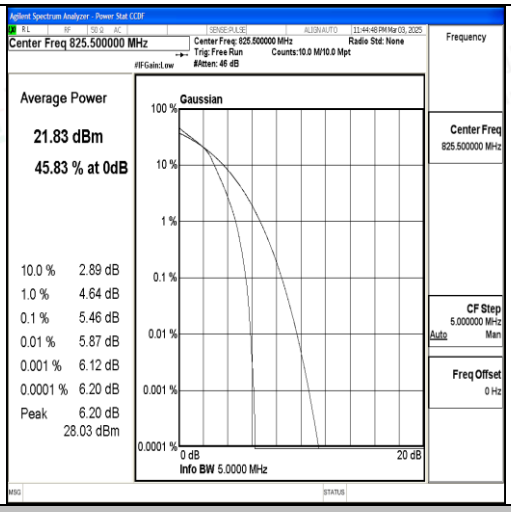
Band5-3MHz-QPSK-20415-1RB#0-PASS



Band5-3MHz-16QAM-20415-1RB#0-PASS



Band5-3MHz-QPSK-20415-15RB#0-PASS



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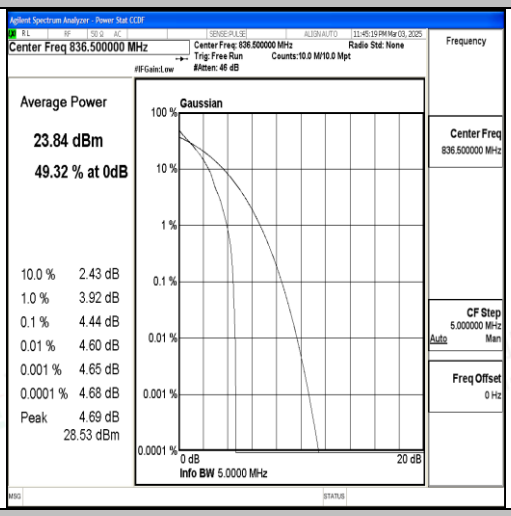

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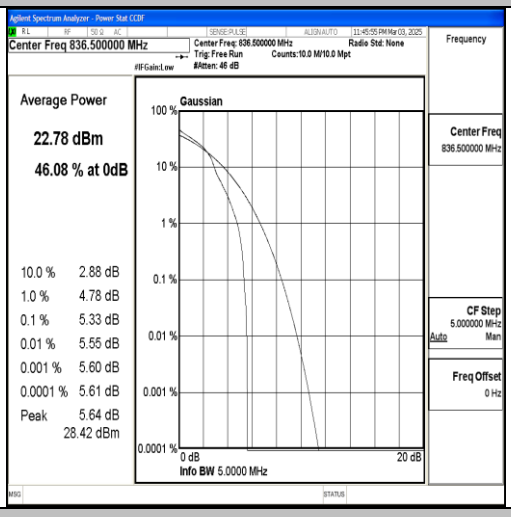

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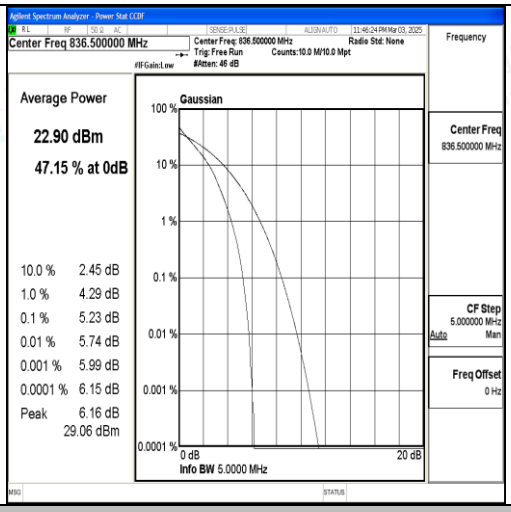

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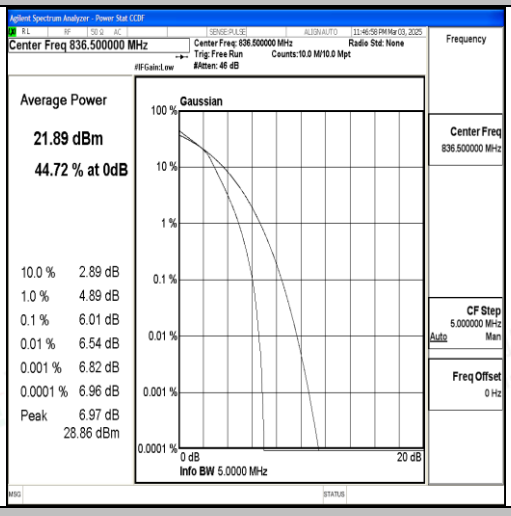

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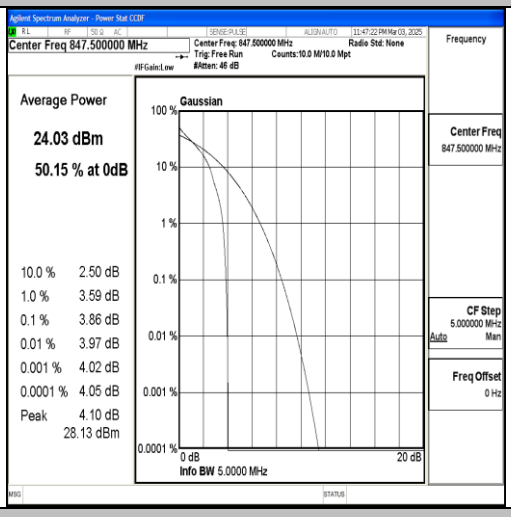

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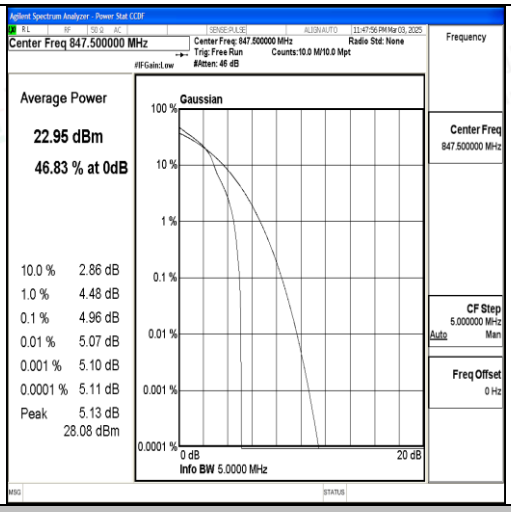

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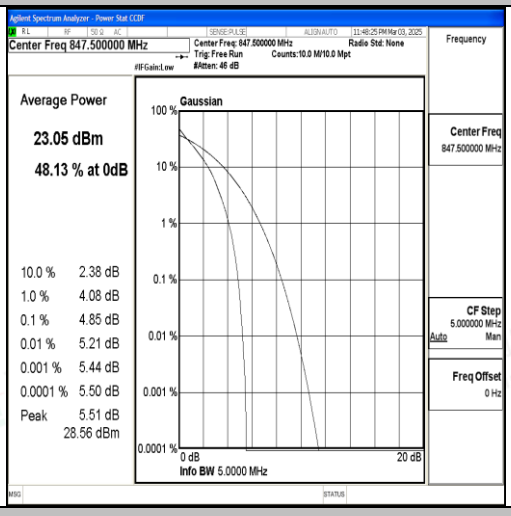

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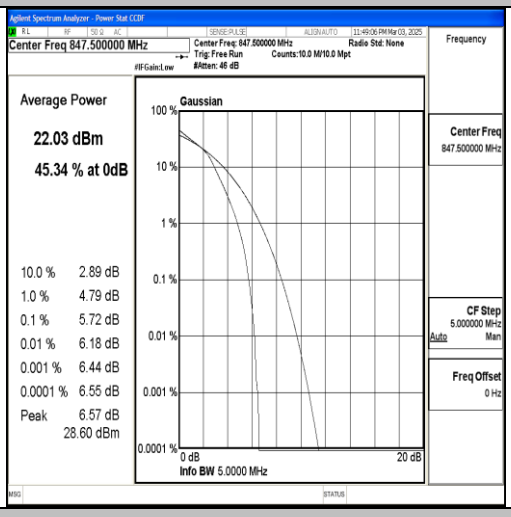

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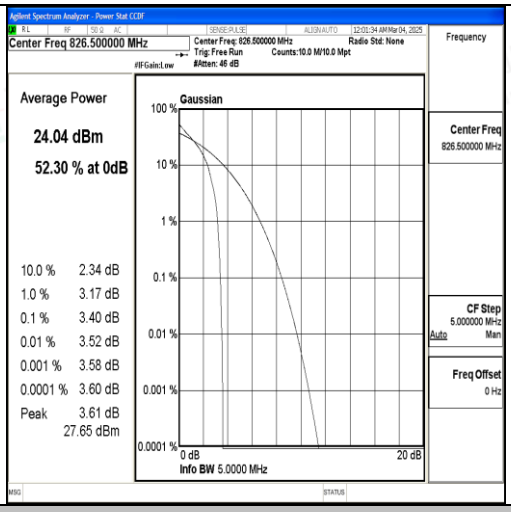
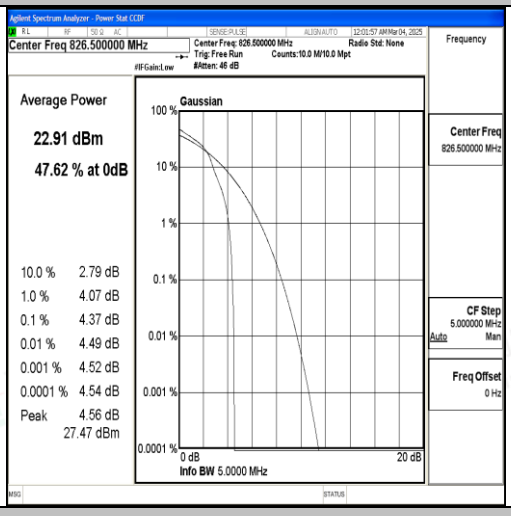


Band5-5MHz-QPSK-20425-1RB#0-PASS



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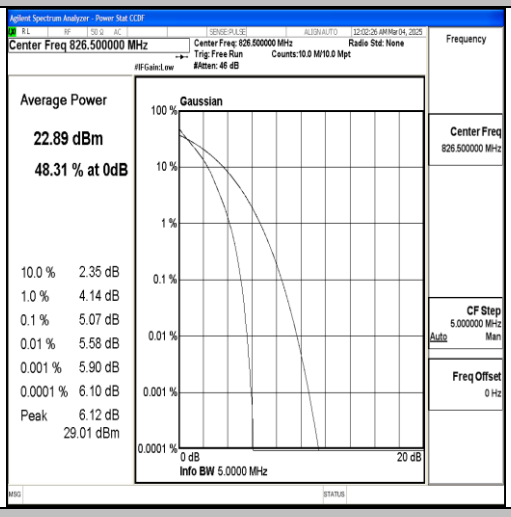

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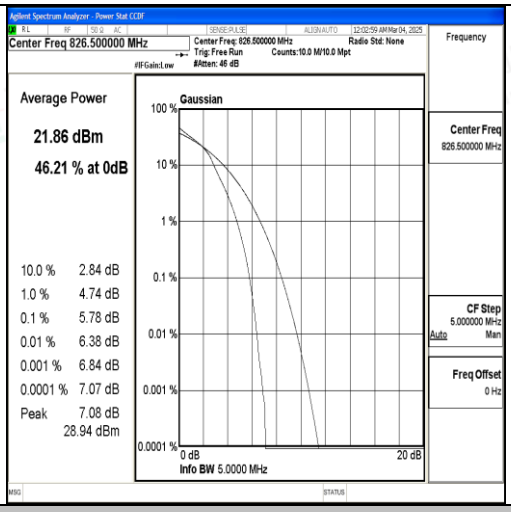

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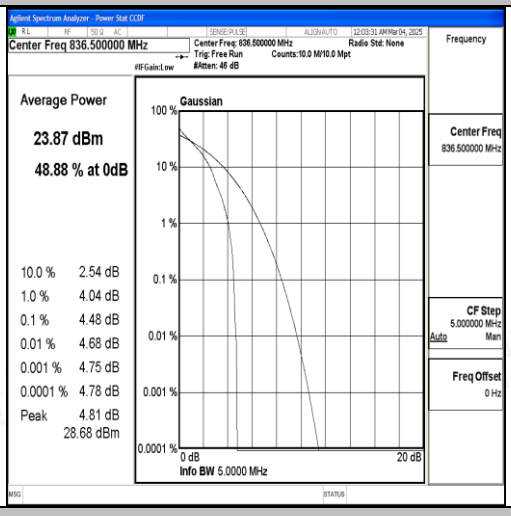

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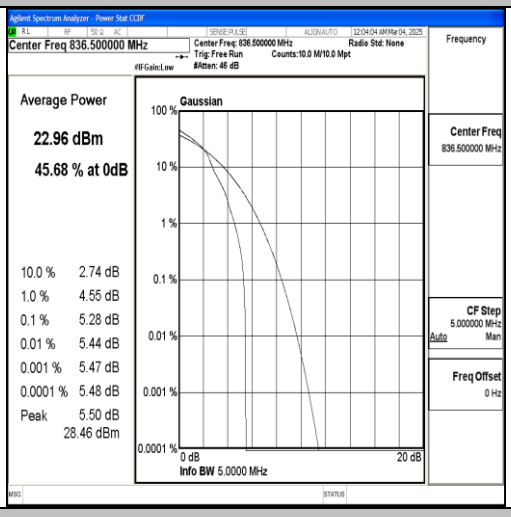

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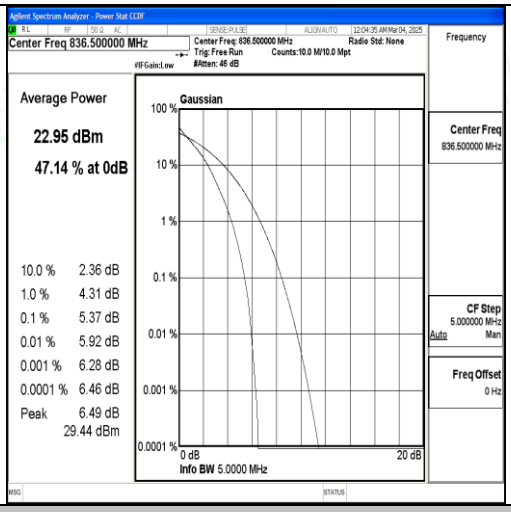

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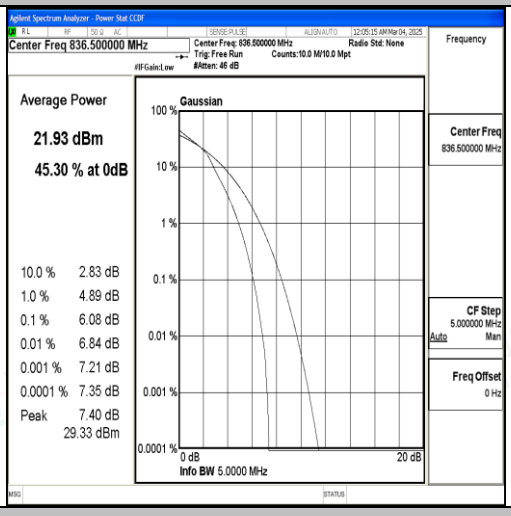

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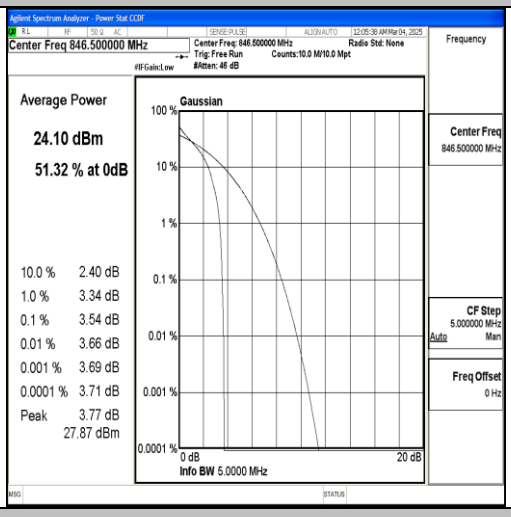

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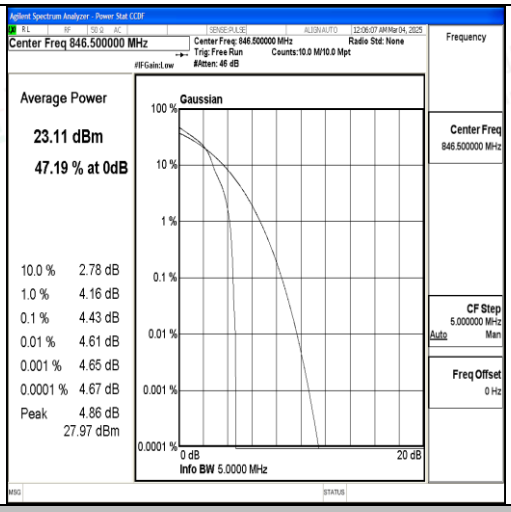

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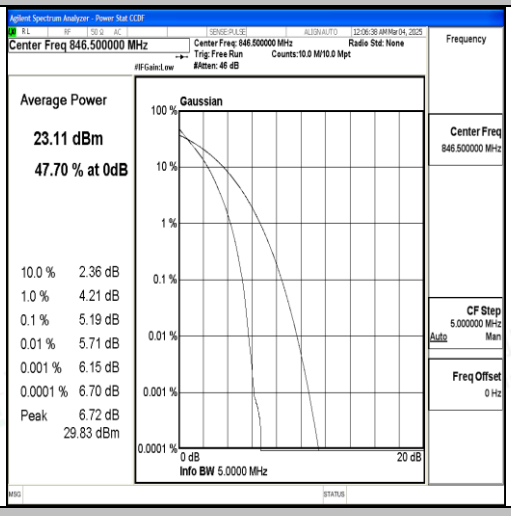

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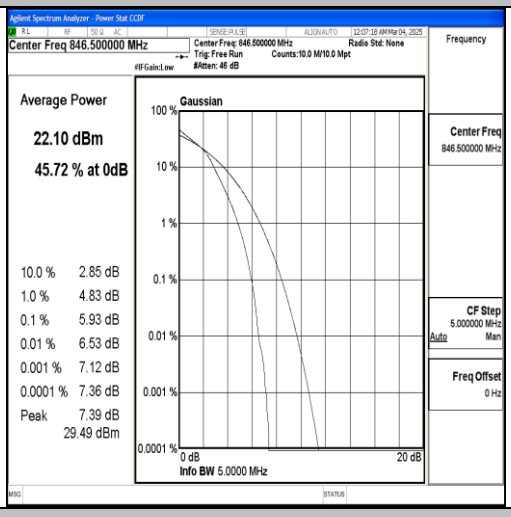

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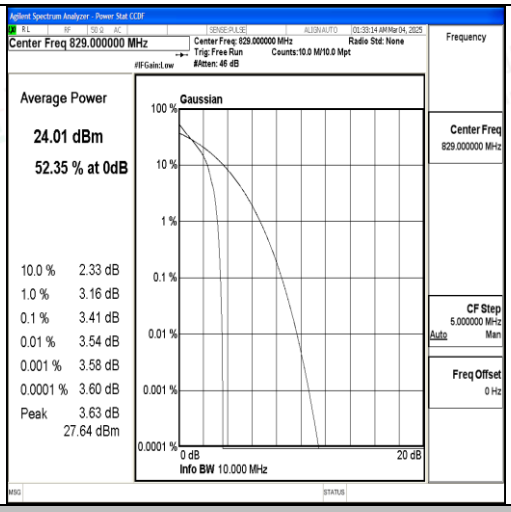
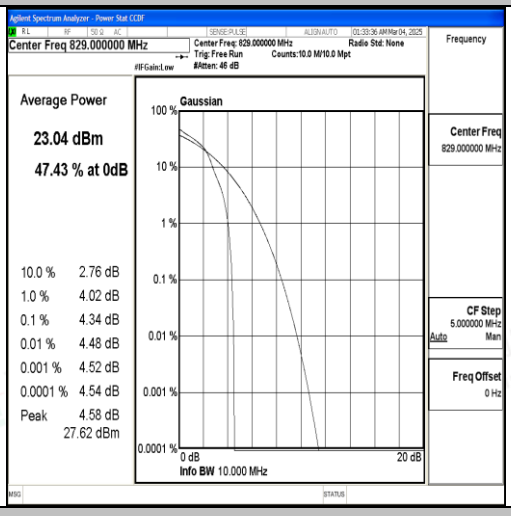
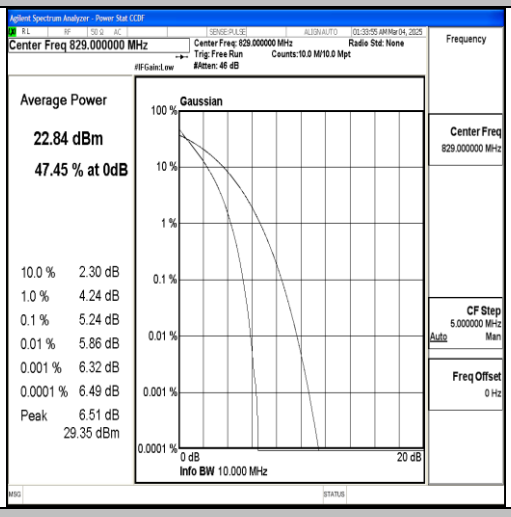


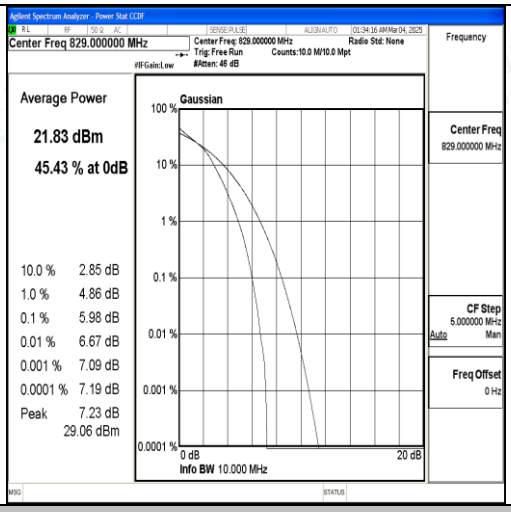
Band5-10MHz-QPSK-20450-1RB#0-PASS



Band5-10MHz-16QAM-20450-1RB#0-PASS



Band5-10MHz-QPSK-20450-50RB#0-PASS



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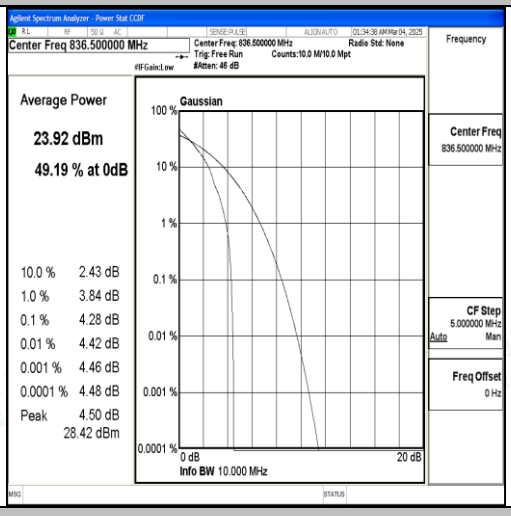

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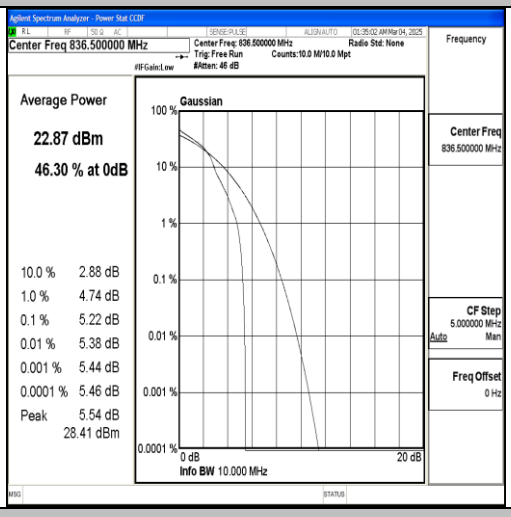

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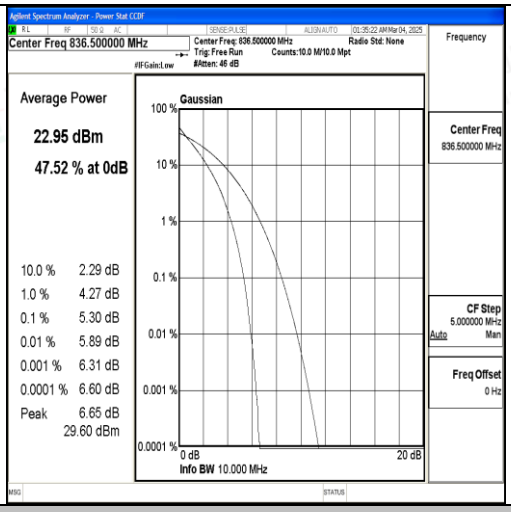

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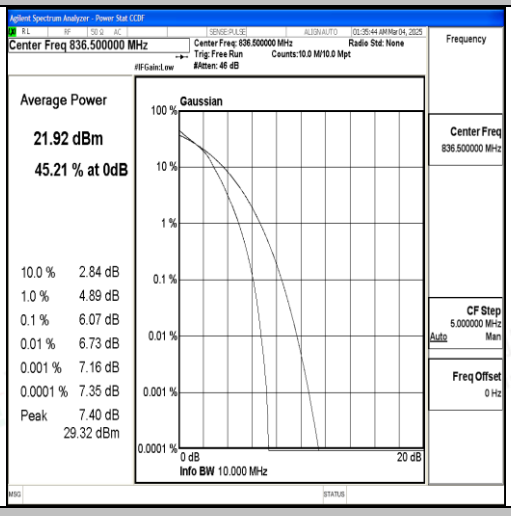

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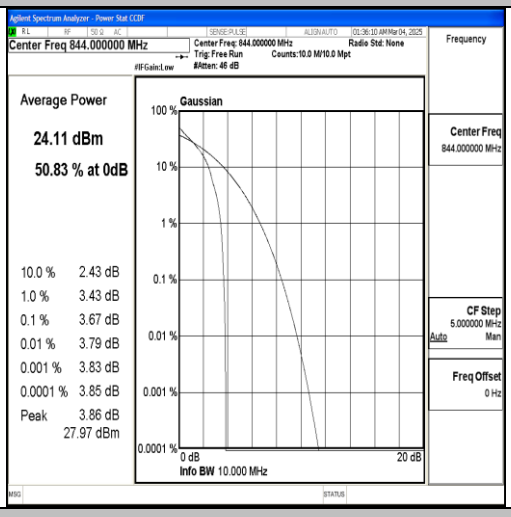
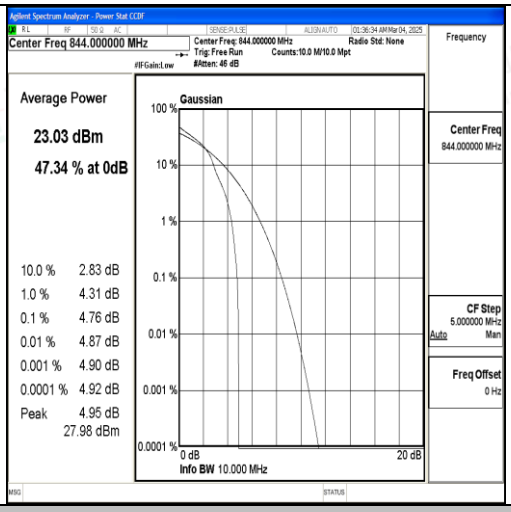
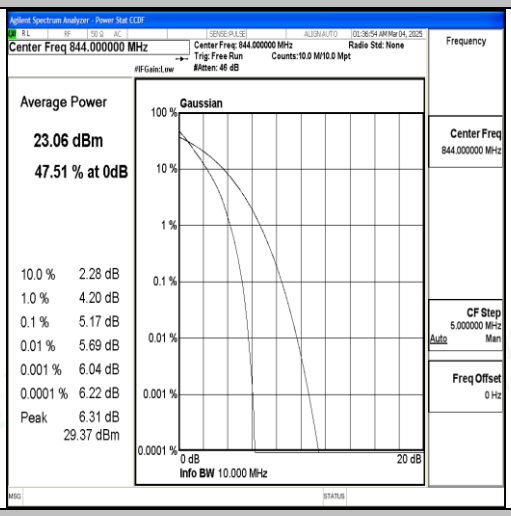


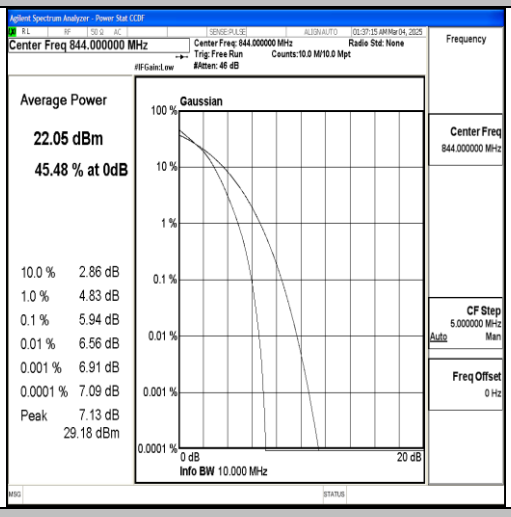
Band5-10MHz-QPSK-20600-1RB#0-PASS



Band5-10MHz-16QAM-20600-1RB#0-PASS



Band5-10MHz-QPSK-20600-50RB#0-PASS



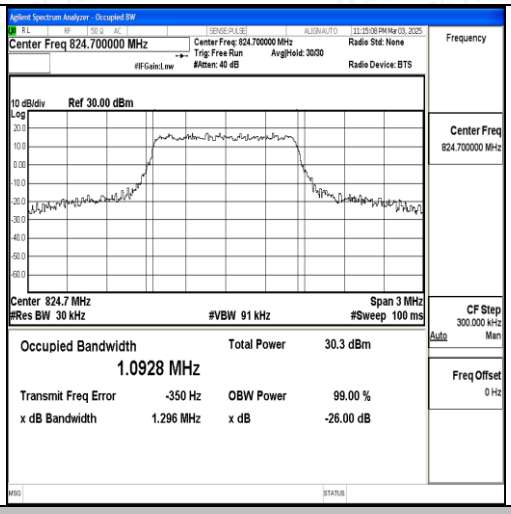
Band5-10MHz-16QAM-20600-50RB#0-PASS

J.3 26dB Bandwidth and Occupied Bandwidth

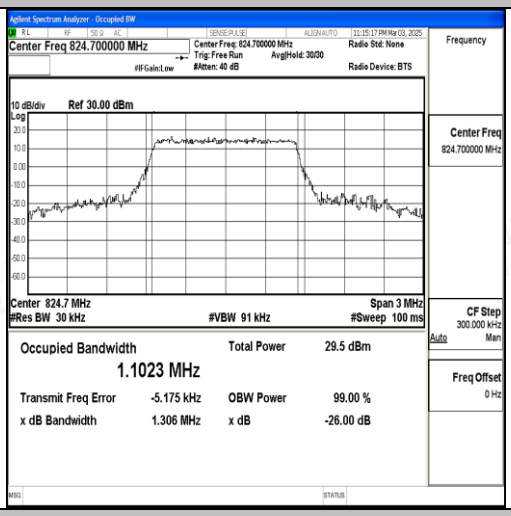
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0928	1.296	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1023	1.306	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0992	1.295	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0896	1.281	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0929	1.283	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0961	1.291	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7326	3.029	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7191	3.006	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7340	3.010	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7261	3.023	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7330	3.009	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7239	3.009	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5096	5.003	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5063	4.958	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4948	4.948	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5046	5.000	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5061	4.960	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5065	4.943	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9861	9.869	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9765	9.758	PASS
Band5	10MHz	QPSK	20525	50RB#0	9.0028	9.831	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9900	9.791	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9736	9.759	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9871	9.765	PASS

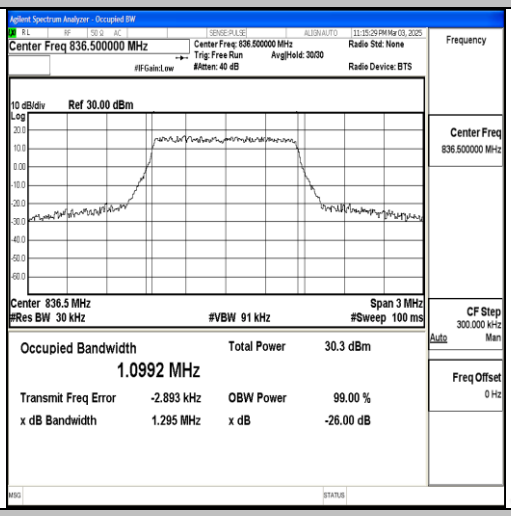
Test Graphs



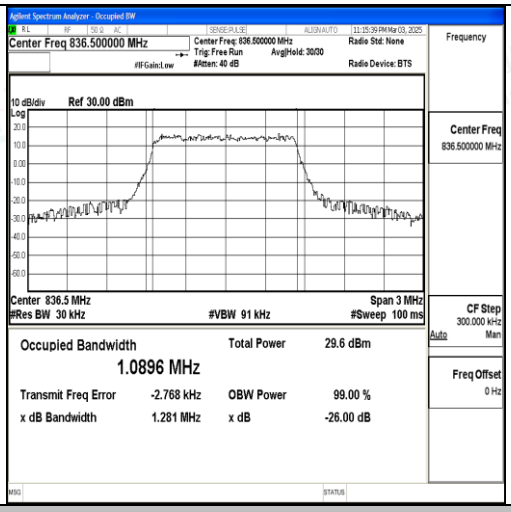
Band5-1.4MHz-QPSK-20407-6RB#0-PASS



Band5-1.4MHz-16QAM-20407-6RB#0-PASS



Band5-1.4MHz-QPSK-20525-6RB#0-PASS



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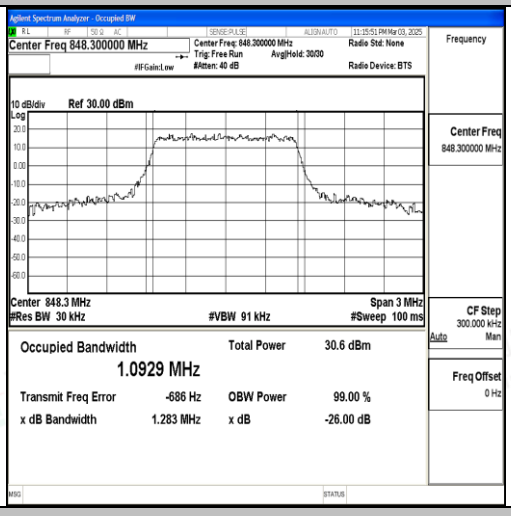
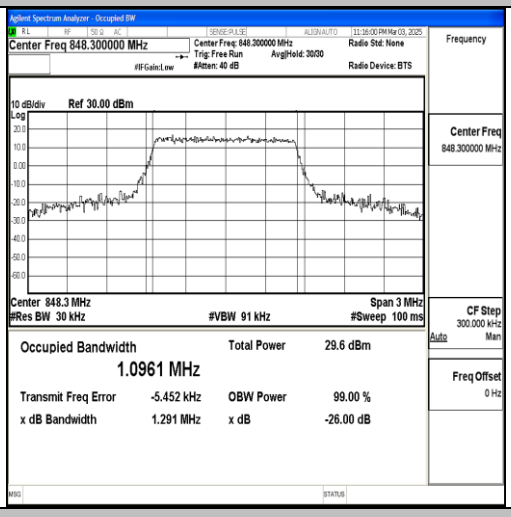
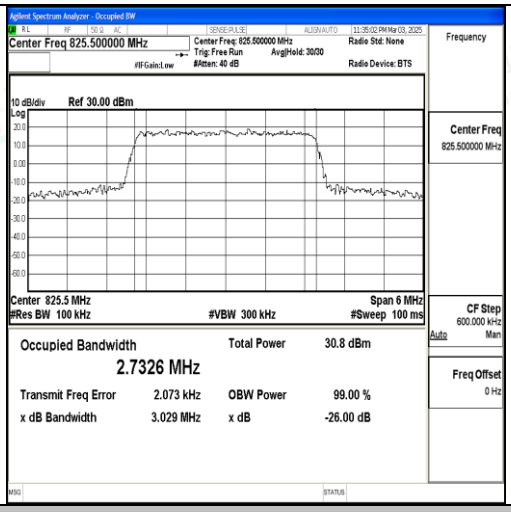


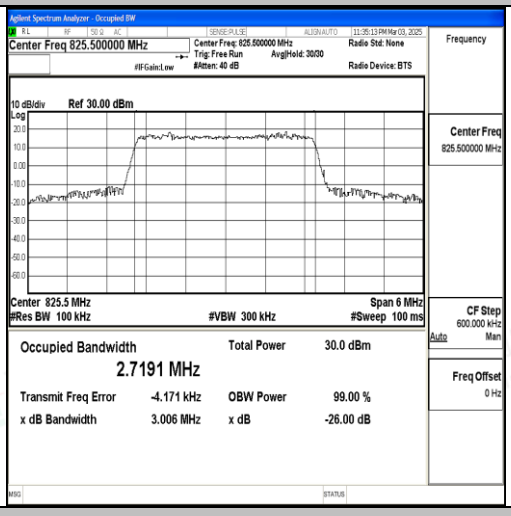
Band5-1.4MHz-QPSK-20643-6RB#0-PASS



Band5-1.4MHz-16QAM-20643-6RB#0-PASS



Band5-3MHz-QPSK-20415-15RB#0-PASS



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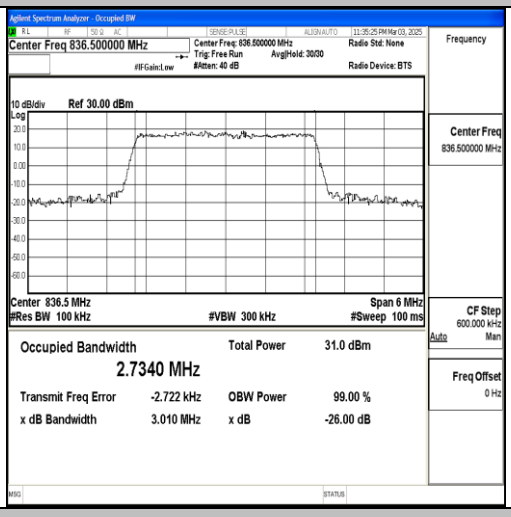
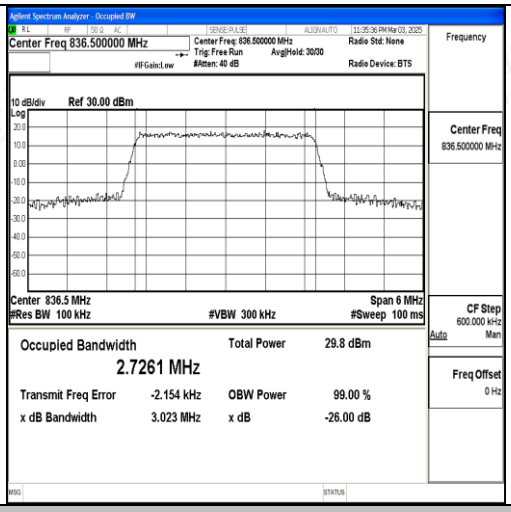


Band5-3MHz-QPSK-20525-15RB#0-PASS



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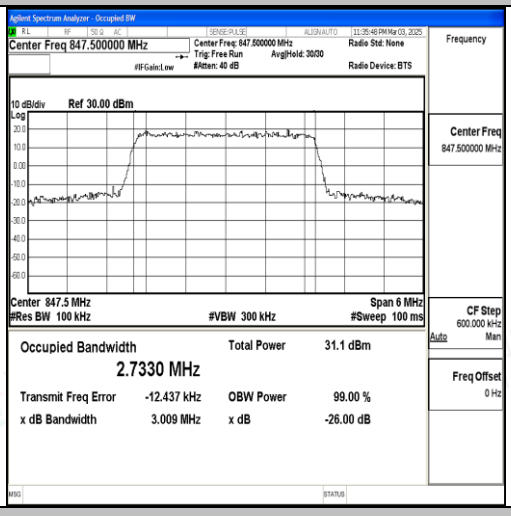
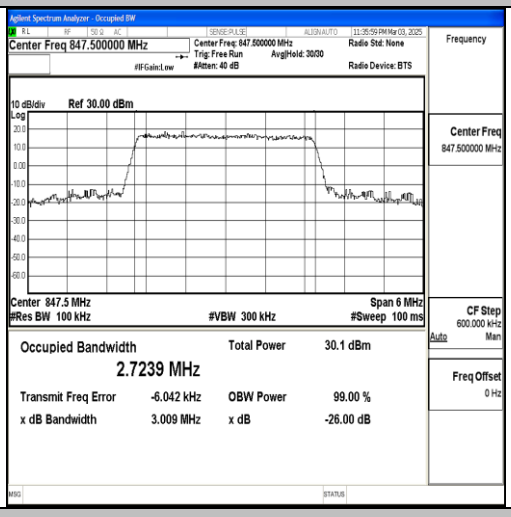


Band5-3MHz-QPSK-20635-15RB#0-PASS



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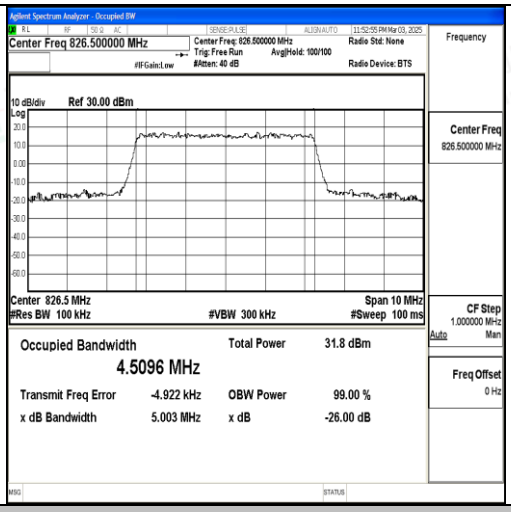
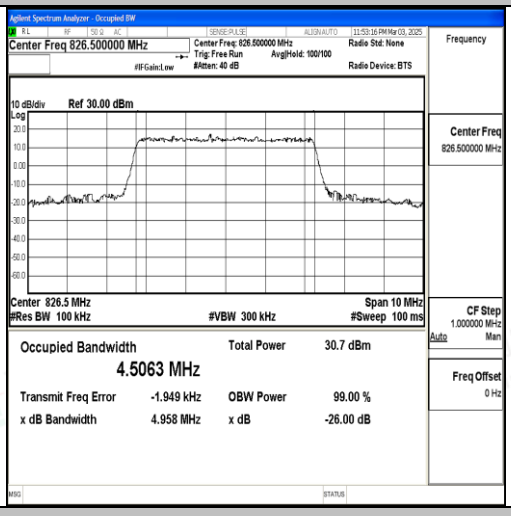
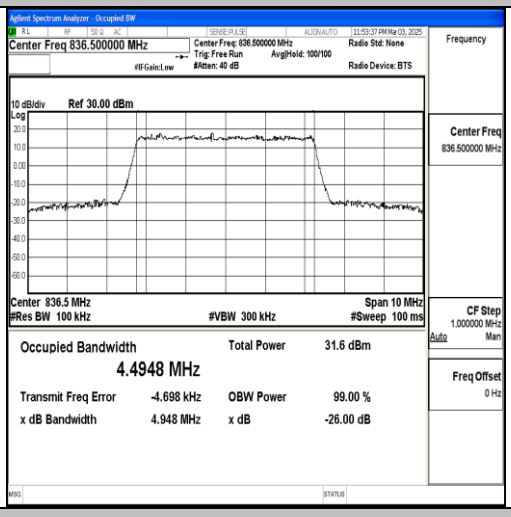


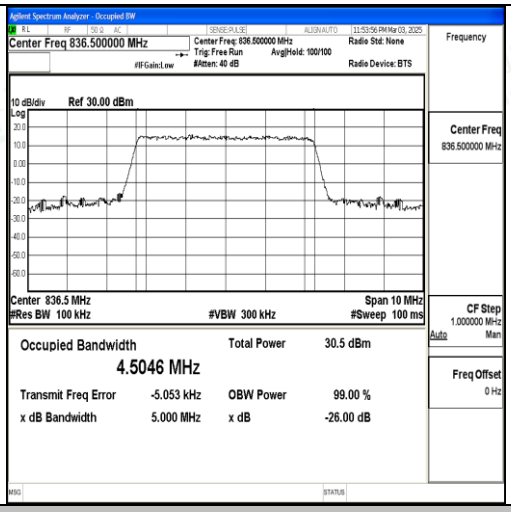
Band5-5MHz-QPSK-20425-25RB#0-PASS



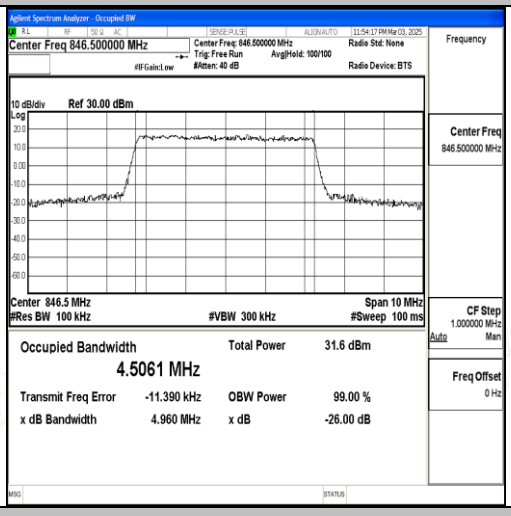
Band5-5MHz-16QAM-20425-25RB#0-PASS



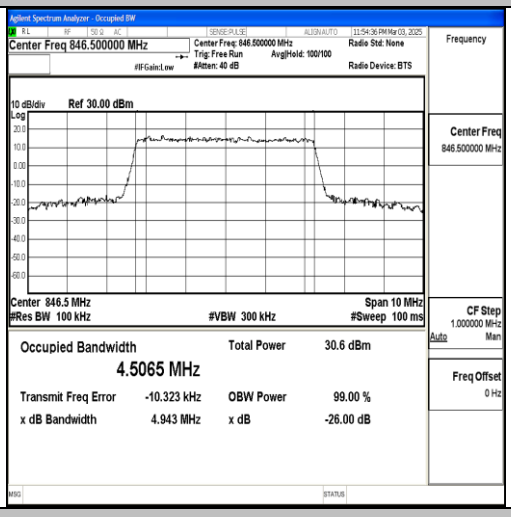
Band5-5MHz-QPSK-20525-25RB#0-PASS



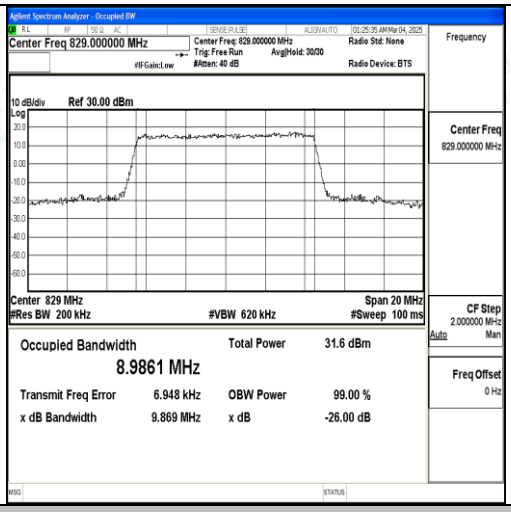
Band5-5MHz-16QAM-20525-25RB#0-PASS



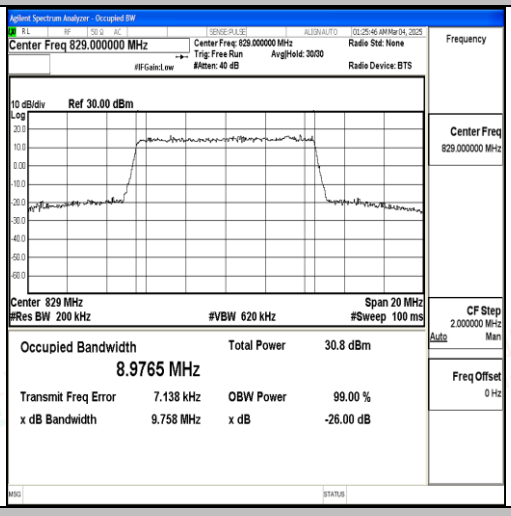
Band5-5MHz-QPSK-20625-25RB#0-PASS



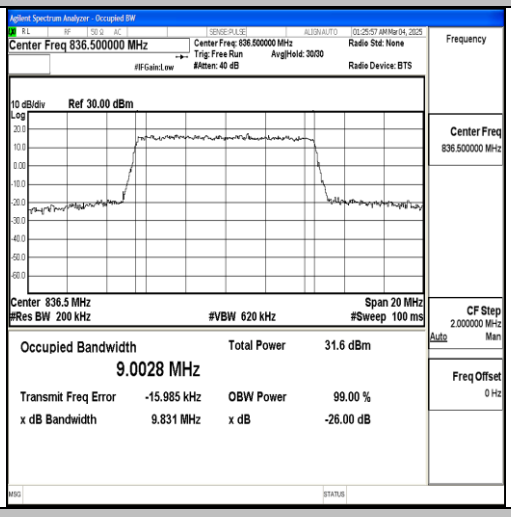
Band5-5MHz-16QAM-20625-25RB#0-PASS



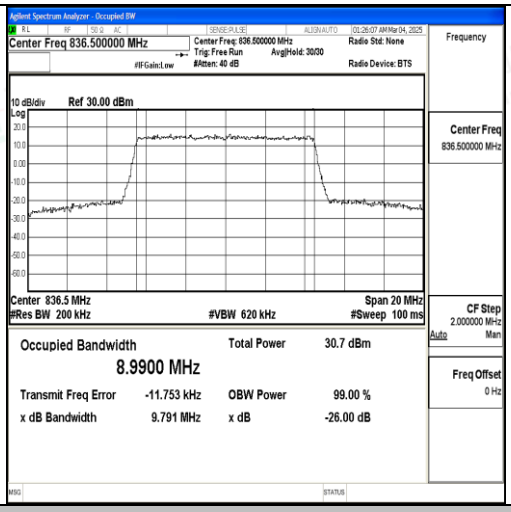
Band5-10MHz-QPSK-20450-50RB#0-PASS



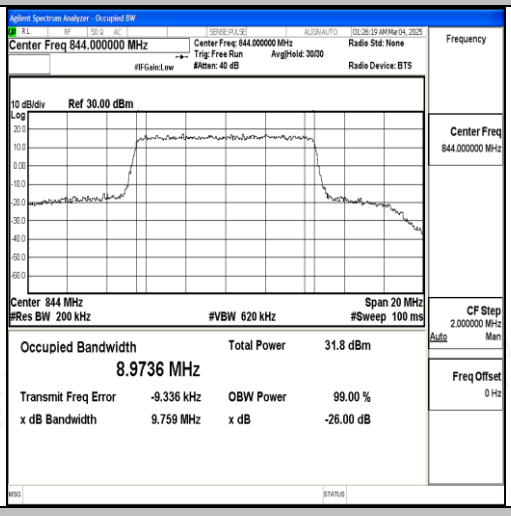
Band5-10MHz-16QAM-20450-50RB#0-PASS



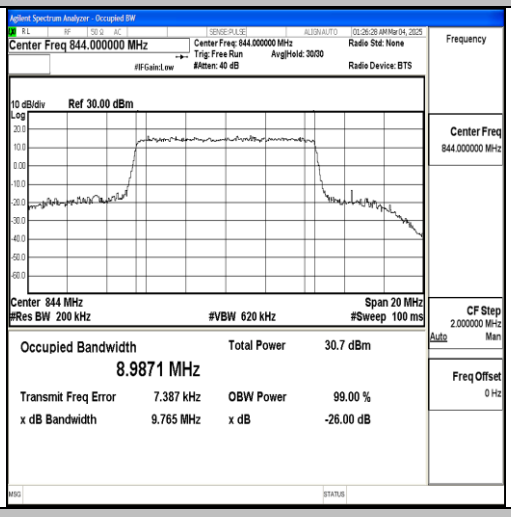
Band5-10MHz-QPSK-20525-50RB#0-PASS



Band5-10MHz-16QAM-20525-50RB#0-PASS



Band5-10MHz-QPSK-20600-50RB#0-PASS



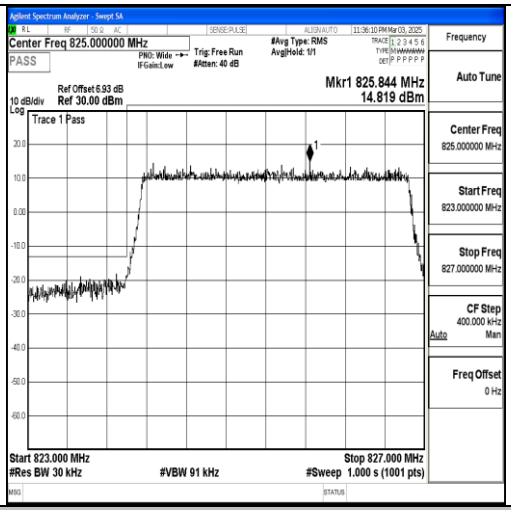
Band5-10MHz-16QAM-20600-50RB#0-PASS

J.4 Band Edge

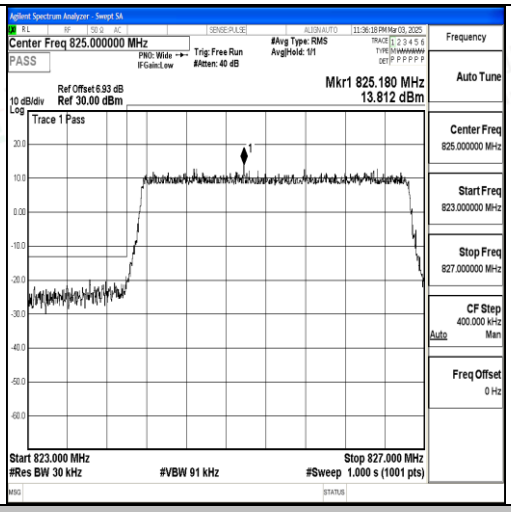
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band5	3MHz	QPSK	20415	15RB#0	823.90	-18.25	PASS
Band5	3MHz	16QAM	20415	15RB#0	823.99	-18.90	PASS
Band5	3MHz	QPSK	20635	15RB#0	849.02	-17.41	PASS
Band5	3MHz	16QAM	20635	15RB#0	849.00	-20.52	PASS
Band5	5MHz	QPSK	20425	25RB#0	824.00	-15.41	PASS
Band5	5MHz	16QAM	20425	25RB#0	824.00	-16.58	PASS
Band5	5MHz	QPSK	20625	25RB#0	849.00	-18.36	PASS
Band5	5MHz	16QAM	20625	25RB#0	849.01	-17.20	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	823.96	-18.12	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	823.90	-19.50	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	849.02	-19.10	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	849.01	-18.70	PASS
Band5	10MHz	QPSK	20450	50RB#0	823.98	-17.33	PASS
Band5	10MHz	16QAM	20450	50RB#0	823.97	-20.09	PASS
Band5	10MHz	QPSK	20600	50RB#0	849.04	-18.27	PASS
Band5	10MHz	16QAM	20600	50RB#0	849.02	-20.22	PASS

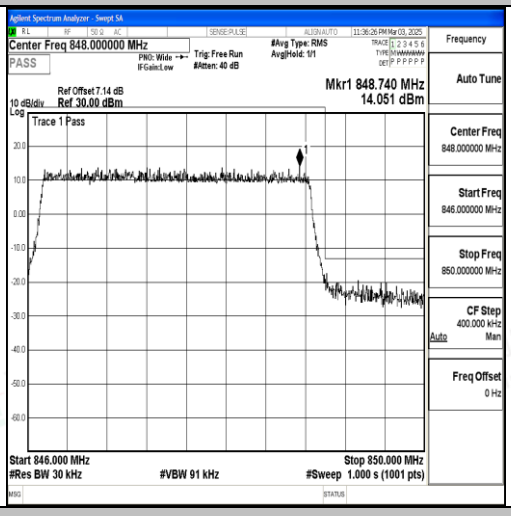
Test Graphs



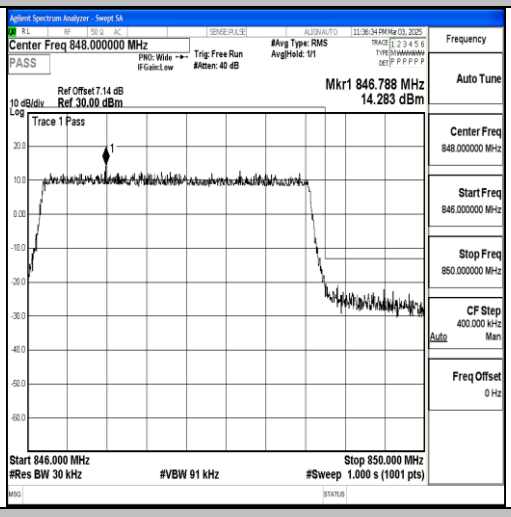
Band5_3MHz_QPSK_20415_15RB#0



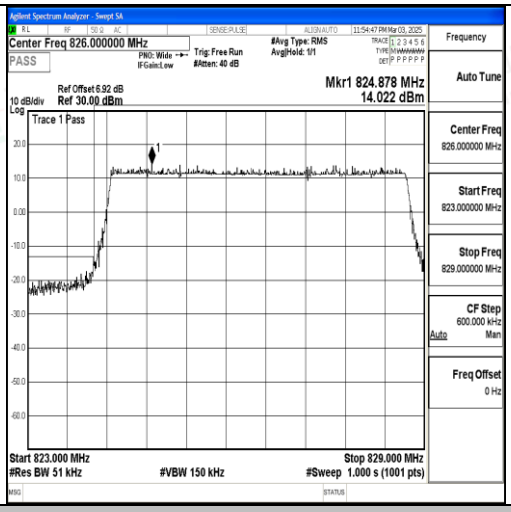
Band5_3MHz_16QAM_20415_15RB#0



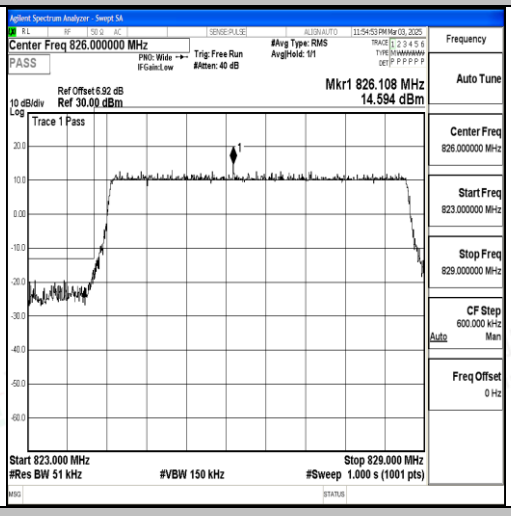
Band5_3MHz_QPSK_20635_15RB#0



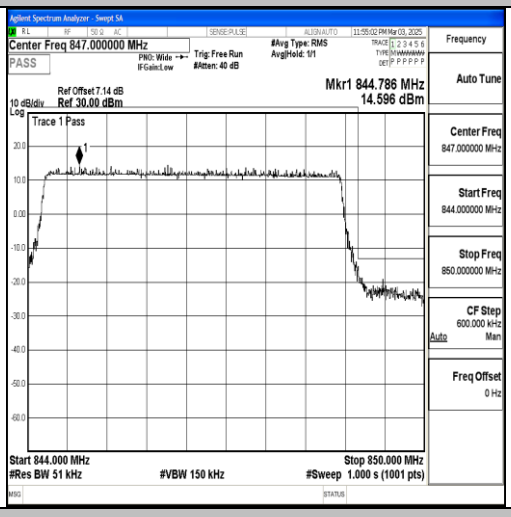
Band5_3MHz_16QAM_20635_15RB#0



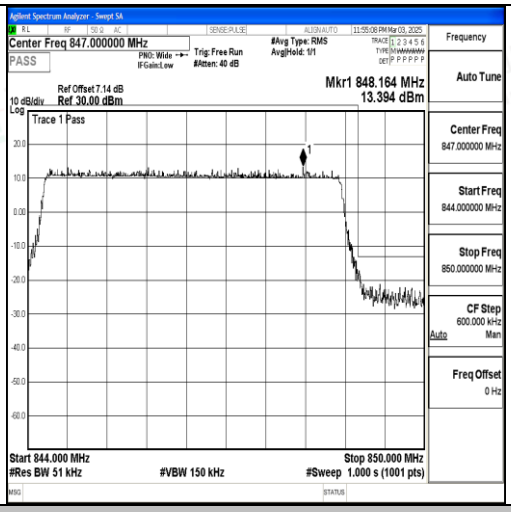
Band5_5MHz_QPSK_20425_25RB#0



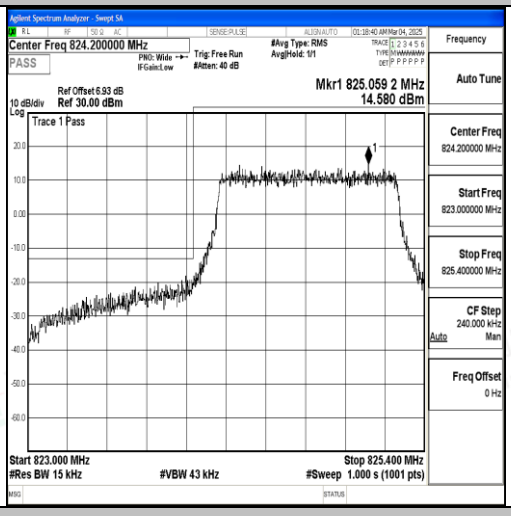
Band5_5MHz_16QAM_20425_25RB#0



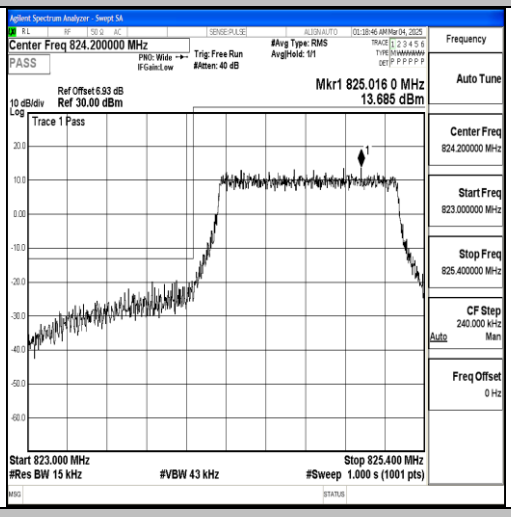
Band5_5MHz_QPSK_20625_25RB#0



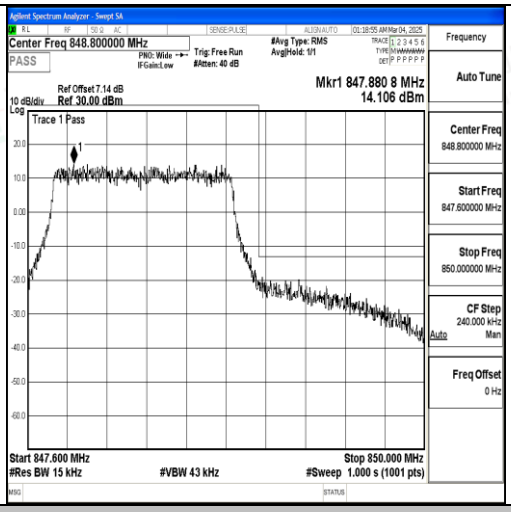
Band5_5MHz_16QAM_20625_25RB#0



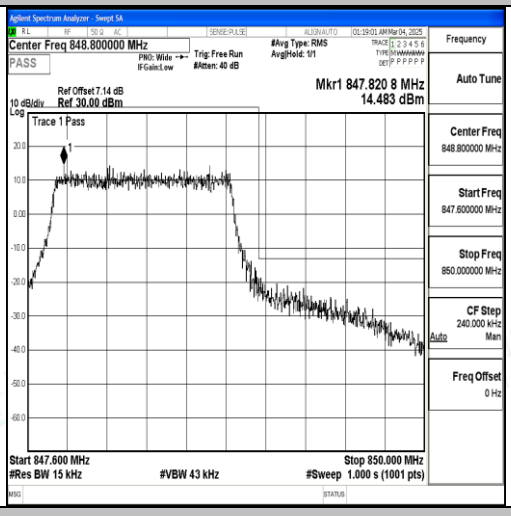
Band5_1.4MHz_QPSK_20407_6RB#0



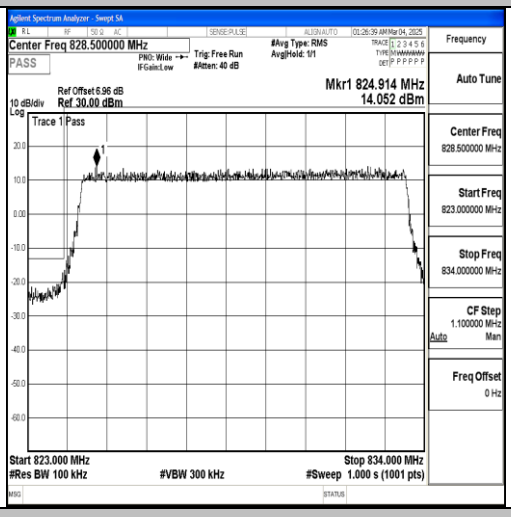
Band5_1.4MHz_16QAM_20407_6RB#0



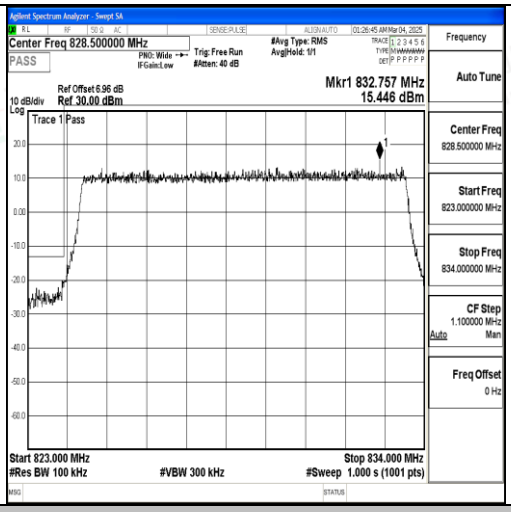
Band5_1.4MHz_QPSK_20643_6RB#0



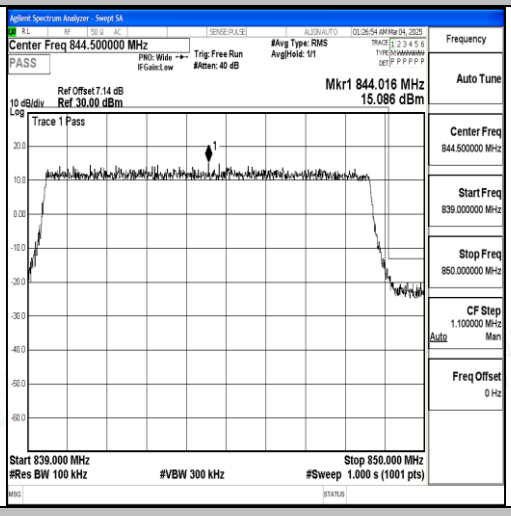
Band5_1.4MHz_16QAM_20643_6RB#0



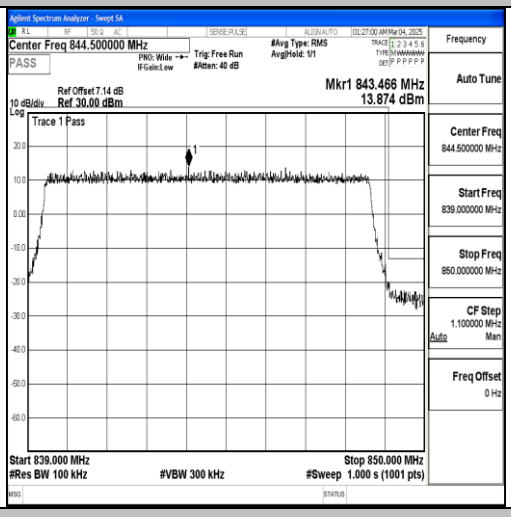
Band5_10MHz_QPSK_20450_50RB#0



Band5_10MHz_16QAM_20450_50RB#0



Band5_10MHz_QPSK_20600_50RB#0



Band5_10MHz_16QAM_20600_50RB#0

J.5 Conducted Spurious Emission

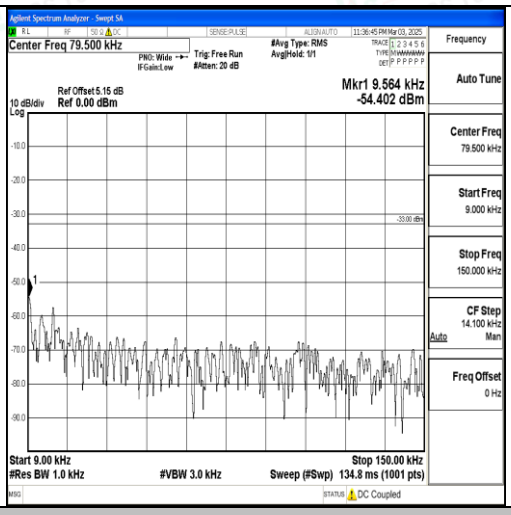
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	3MHz	QPSK	20415	1RB#0	0.009~0.15	-54.40	PASS
Band5	3MHz	QPSK	20415	1RB#0	0.15~30	-47.37	PASS
Band5	3MHz	QPSK	20415	1RB#0	30~1000	-52.41	PASS
Band5	3MHz	QPSK	20415	1RB#0	1000~3000	-35.16	PASS
Band5	3MHz	QPSK	20415	1RB#0	3000~10000	-35.46	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.009~0.15	-58.30	PASS
Band5	3MHz	16QAM	20415	1RB#0	0.15~30	-44.99	PASS
Band5	3MHz	16QAM	20415	1RB#0	30~1000	-52.76	PASS
Band5	3MHz	16QAM	20415	1RB#0	1000~3000	-36.03	PASS
Band5	3MHz	16QAM	20415	1RB#0	3000~10000	-34.71	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.009~0.15	-58.75	PASS
Band5	3MHz	QPSK	20525	1RB#0	0.15~30	-44.15	PASS
Band5	3MHz	QPSK	20525	1RB#0	30~1000	-52.35	PASS
Band5	3MHz	QPSK	20525	1RB#0	1000~3000	-35.15	PASS
Band5	3MHz	QPSK	20525	1RB#0	3000~10000	-35.40	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.009~0.15	-56.38	PASS
Band5	3MHz	16QAM	20525	1RB#0	0.15~30	-46.70	PASS
Band5	3MHz	16QAM	20525	1RB#0	30~1000	-53.06	PASS
Band5	3MHz	16QAM	20525	1RB#0	1000~3000	-35.15	PASS
Band5	3MHz	16QAM	20525	1RB#0	3000~10000	-34.82	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.009~0.15	-57.95	PASS
Band5	3MHz	QPSK	20635	1RB#0	0.15~30	-45.11	PASS
Band5	3MHz	QPSK	20635	1RB#0	30~1000	-52.73	PASS
Band5	3MHz	QPSK	20635	1RB#0	1000~3000	-35.86	PASS
Band5	3MHz	QPSK	20635	1RB#0	3000~10000	-35.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.009~0.15	-60.02	PASS
Band5	3MHz	16QAM	20635	1RB#0	0.15~30	-49.10	PASS
Band5	3MHz	16QAM	20635	1RB#0	30~1000	-52.64	PASS
Band5	3MHz	16QAM	20635	1RB#0	1000~3000	-35.61	PASS
Band5	3MHz	16QAM	20635	1RB#0	3000~10000	-35.46	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.009~0.15	-60.41	PASS
Band5	5MHz	QPSK	20425	1RB#0	0.15~30	-46.58	PASS
Band5	5MHz	QPSK	20425	1RB#0	30~1000	-52.94	PASS
Band5	5MHz	QPSK	20425	1RB#0	1000~3000	-36.28	PASS
Band5	5MHz	QPSK	20425	1RB#0	3000~10000	-35.12	PASS
Band5	5MHz	16QAM	20425	1RB#0	0.009~0.15	-56.26	PASS

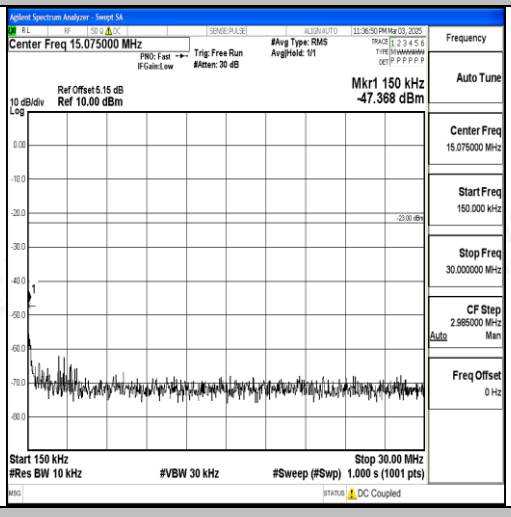
Band5	5MHz	16QAM	20425	1RB#0	0.15~30	-45.24	PASS
Band5	5MHz	16QAM	20425	1RB#0	30~1000	-52.47	PASS
Band5	5MHz	16QAM	20425	1RB#0	1000~3000	-35.60	PASS
Band5	5MHz	16QAM	20425	1RB#0	3000~10000	-35.44	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.009~0.15	-56.90	PASS
Band5	5MHz	QPSK	20525	1RB#0	0.15~30	-46.99	PASS
Band5	5MHz	QPSK	20525	1RB#0	30~1000	-52.56	PASS
Band5	5MHz	QPSK	20525	1RB#0	1000~3000	-34.86	PASS
Band5	5MHz	QPSK	20525	1RB#0	3000~10000	-34.99	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.009~0.15	-56.55	PASS
Band5	5MHz	16QAM	20525	1RB#0	0.15~30	-48.07	PASS
Band5	5MHz	16QAM	20525	1RB#0	30~1000	-53.01	PASS
Band5	5MHz	16QAM	20525	1RB#0	1000~3000	-35.98	PASS
Band5	5MHz	16QAM	20525	1RB#0	3000~10000	-35.72	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.009~0.15	-56.49	PASS
Band5	5MHz	QPSK	20625	1RB#0	0.15~30	-46.88	PASS
Band5	5MHz	QPSK	20625	1RB#0	30~1000	-52.91	PASS
Band5	5MHz	QPSK	20625	1RB#0	1000~3000	-35.44	PASS
Band5	5MHz	QPSK	20625	1RB#0	3000~10000	-35.71	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.009~0.15	-59.49	PASS
Band5	5MHz	16QAM	20625	1RB#0	0.15~30	-47.79	PASS
Band5	5MHz	16QAM	20625	1RB#0	30~1000	-52.88	PASS
Band5	5MHz	16QAM	20625	1RB#0	1000~3000	-35.47	PASS
Band5	5MHz	16QAM	20625	1RB#0	3000~10000	-35.15	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.009~0.15	-55.65	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	0.15~30	-44.80	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-48.77	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~3000	-34.67	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	3000~10000	-35.56	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.009~0.15	-59.25	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	0.15~30	-47.39	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	-48.59	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	1000~3000	-35.30	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	3000~10000	-34.28	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.009~0.15	-59.84	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	0.15~30	-47.33	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-49.56	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~3000	-34.67	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	3000~10000	-35.40	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.009~0.15	-55.54	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	0.15~30	-43.56	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	-50.39	PASS

Band5	1.4MHz	16QAM	20525	1RB#0	1000~3000	-35.72	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	3000~10000	-35.27	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.009~0.15	-55.58	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	0.15~30	-44.28	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-51.37	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~3000	-35.58	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3000~10000	-35.54	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.009~0.15	-57.31	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	0.15~30	-46.94	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	-50.99	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~3000	-37.21	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	3000~10000	-35.77	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.009~0.15	-60.49	PASS
Band5	10MHz	QPSK	20450	1RB#0	0.15~30	-47.09	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-52.21	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~3000	-35.28	PASS
Band5	10MHz	QPSK	20450	1RB#0	3000~10000	-34.90	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.009~0.15	-57.60	PASS
Band5	10MHz	16QAM	20450	1RB#0	0.15~30	-46.32	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	-52.34	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~3000	-36.05	PASS
Band5	10MHz	16QAM	20450	1RB#0	3000~10000	-35.24	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.009~0.15	-59.37	PASS
Band5	10MHz	QPSK	20525	1RB#0	0.15~30	-46.16	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-53.17	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~3000	-34.82	PASS
Band5	10MHz	QPSK	20525	1RB#0	3000~10000	-33.98	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.009~0.15	-58.13	PASS
Band5	10MHz	16QAM	20525	1RB#0	0.15~30	-45.81	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	-52.89	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~3000	-35.34	PASS
Band5	10MHz	16QAM	20525	1RB#0	3000~10000	-34.94	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.009~0.15	-58.10	PASS
Band5	10MHz	QPSK	20600	1RB#0	0.15~30	-48.04	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-52.84	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~3000	-35.95	PASS
Band5	10MHz	QPSK	20600	1RB#0	3000~10000	-34.82	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.009~0.15	-57.26	PASS
Band5	10MHz	16QAM	20600	1RB#0	0.15~30	-48.46	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	-53.04	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~3000	-34.68	PASS
Band5	10MHz	16QAM	20600	1RB#0	3000~10000	-34.42	PASS

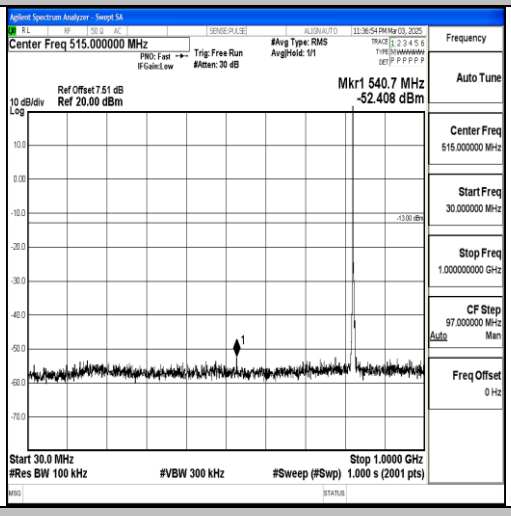
Test Graphs



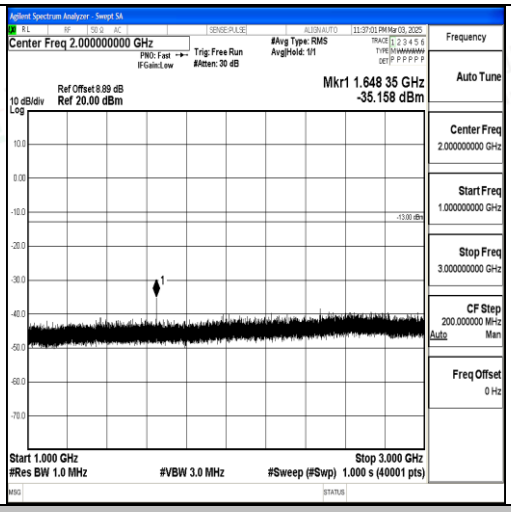
Band5_3MHz_QPSK_20415_1RB#0_0.009~0.15_0.009~0.15



Band5_3MHz_QPSK_20415_1RB#0_0.15~30_0.15~30



Band5_3MHz_QPSK_20415_1RB#0_30~1000_30~1000



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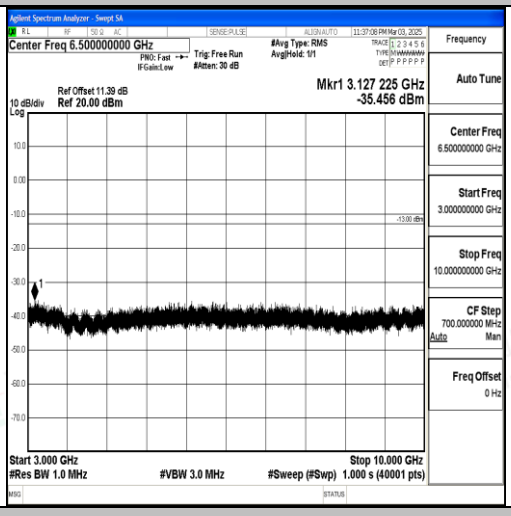

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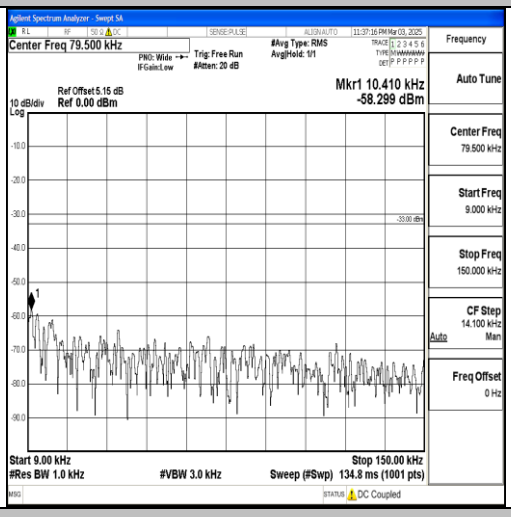

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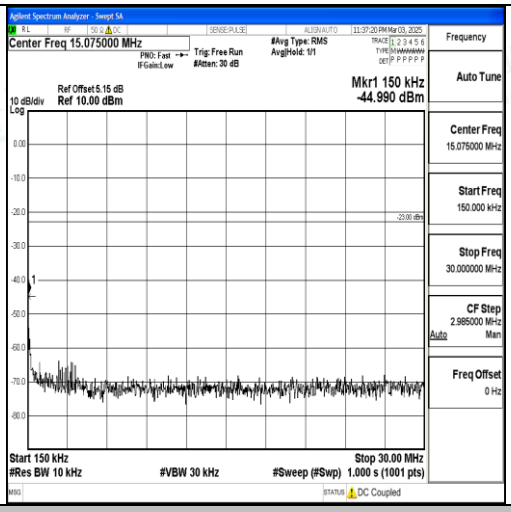

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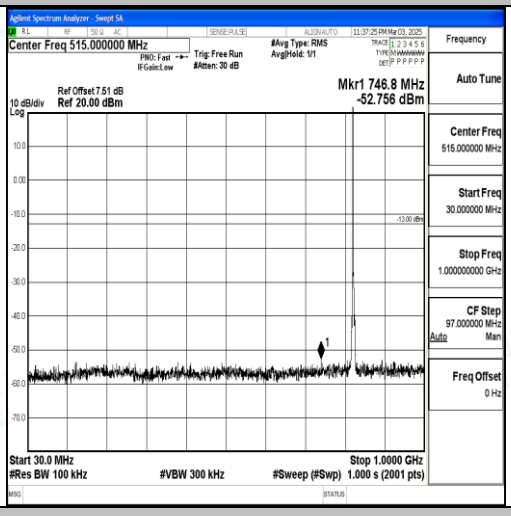

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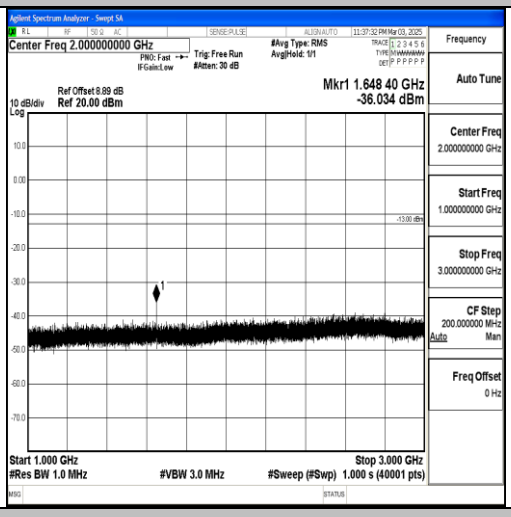

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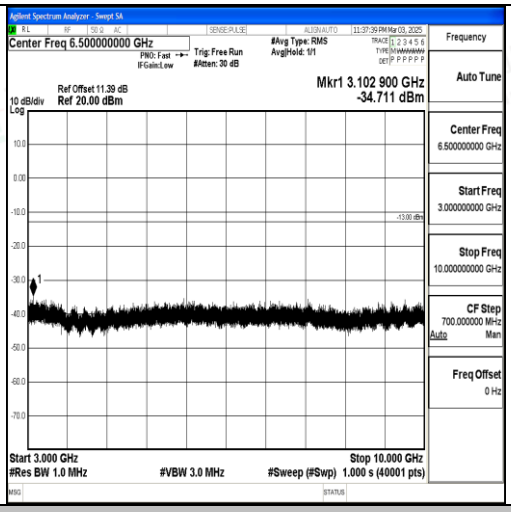

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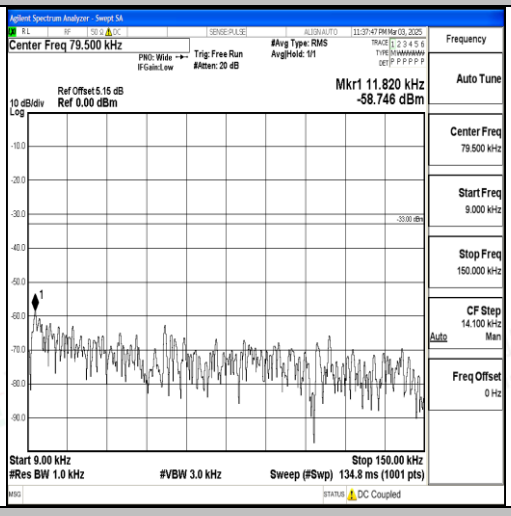

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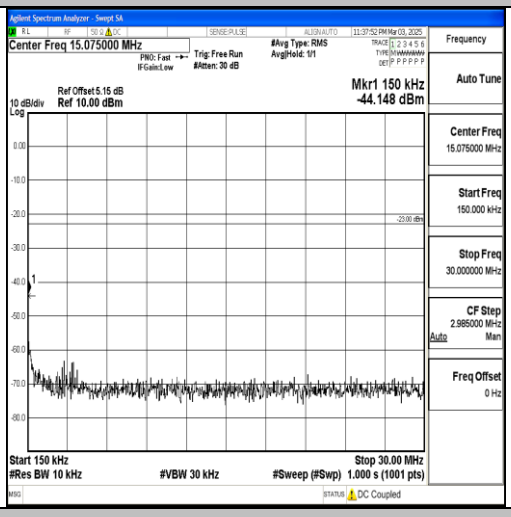

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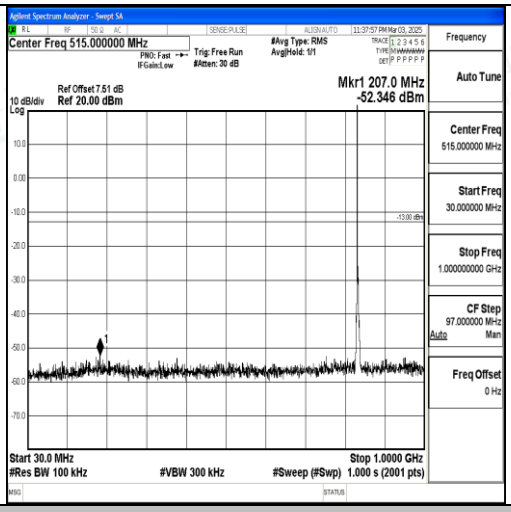

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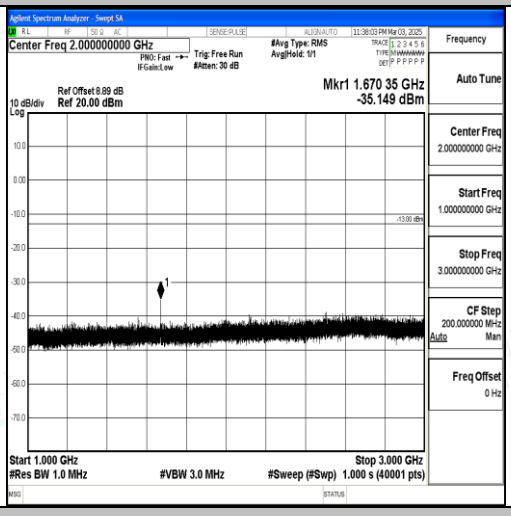

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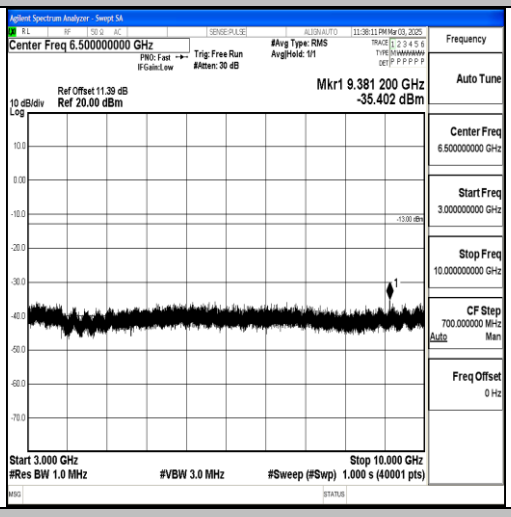

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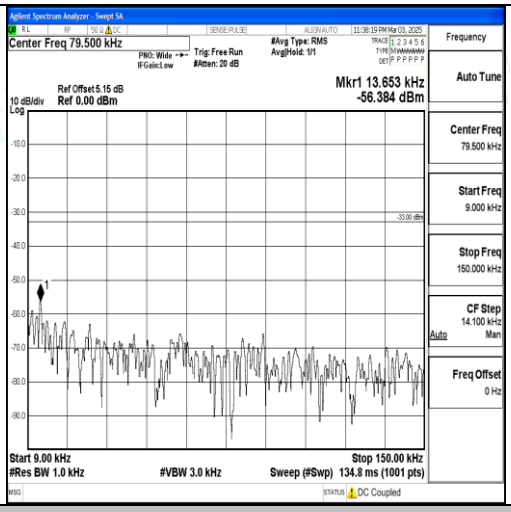

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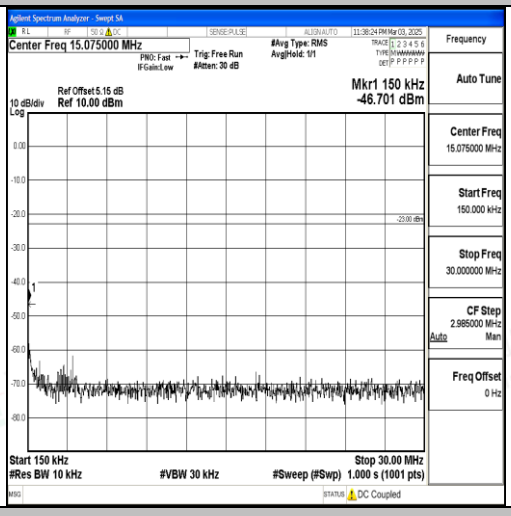

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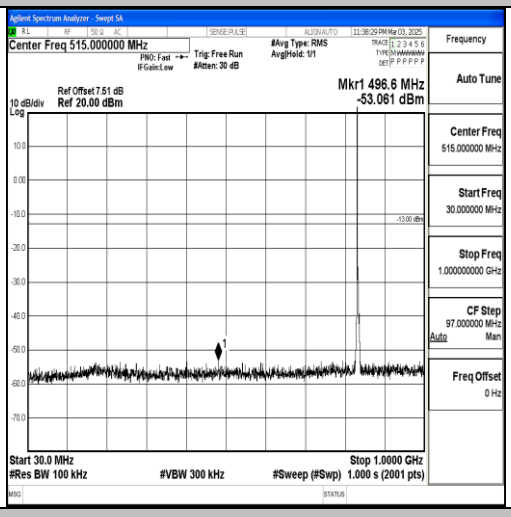

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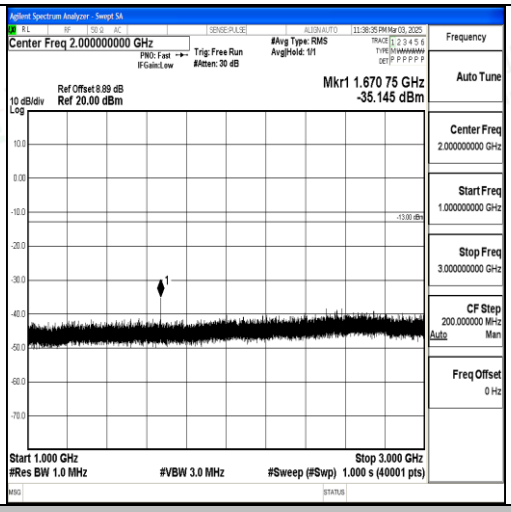

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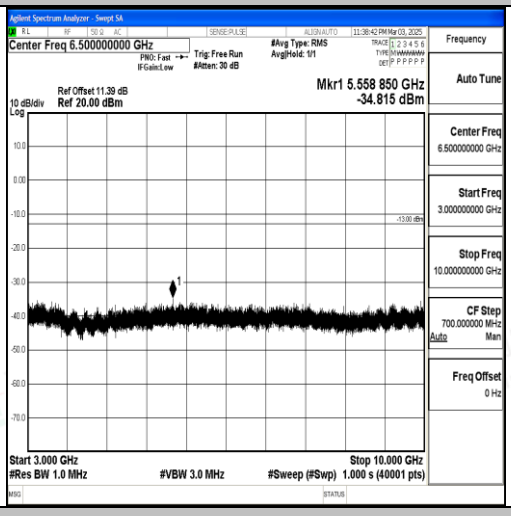

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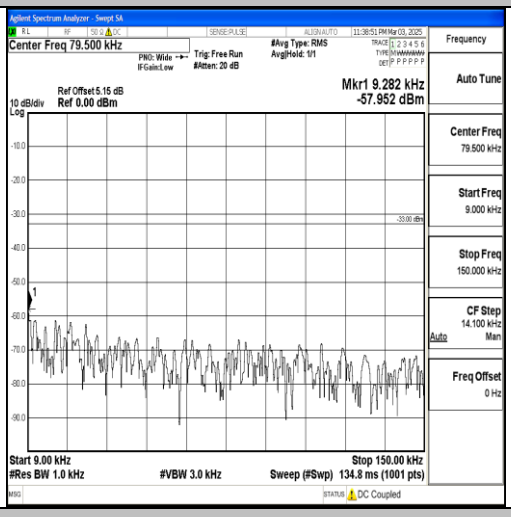

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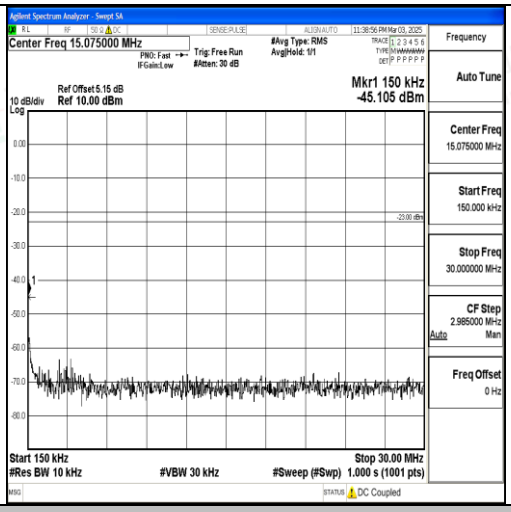

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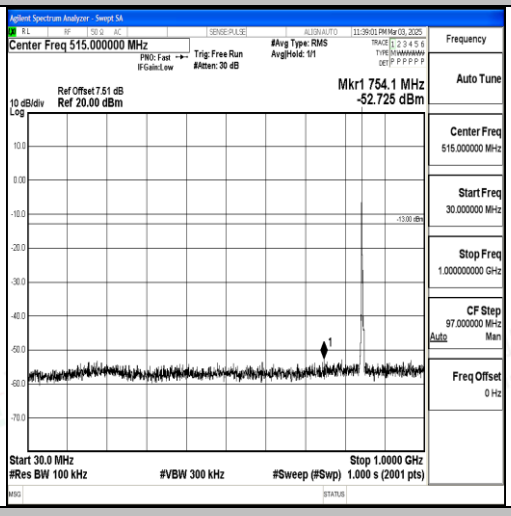

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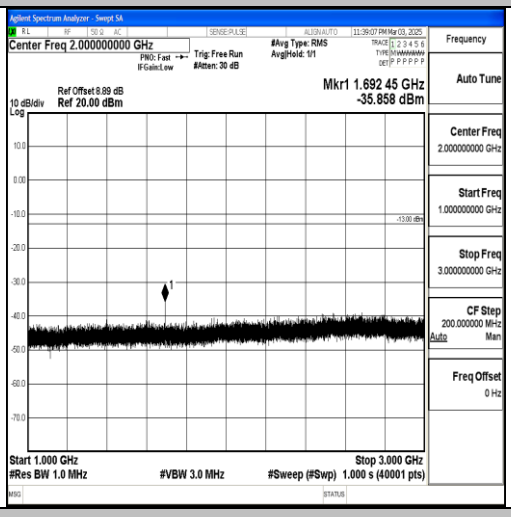

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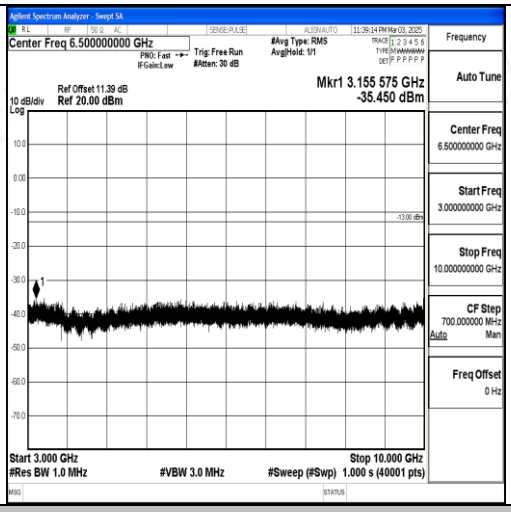

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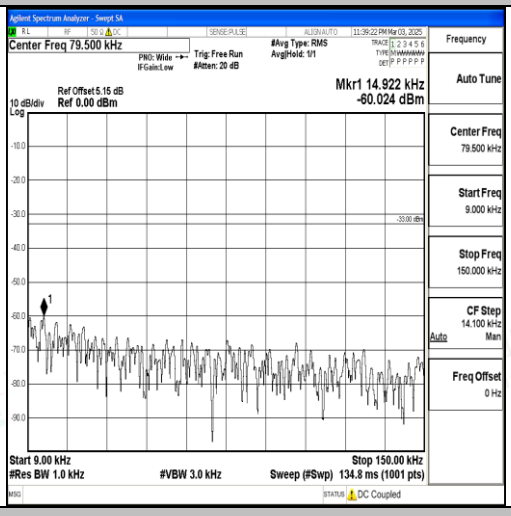

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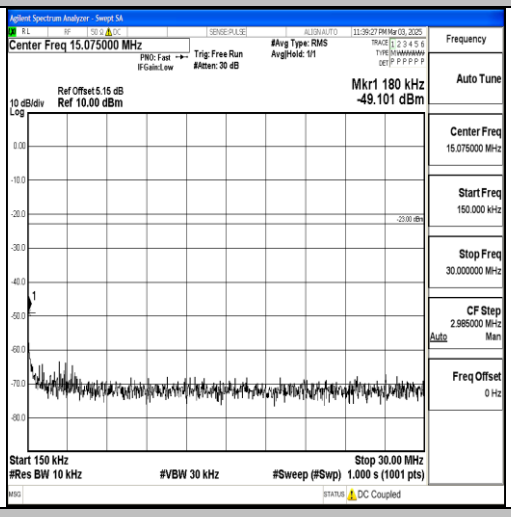

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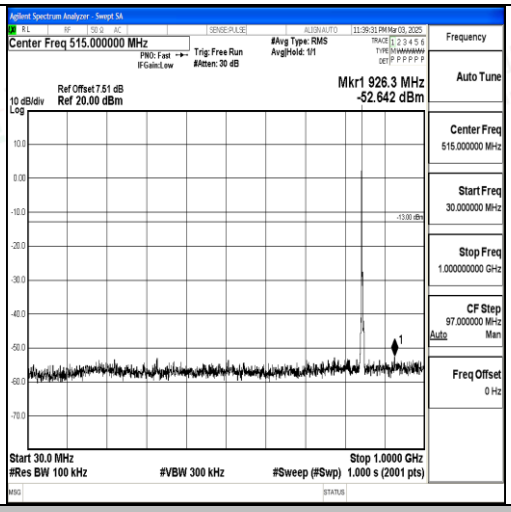

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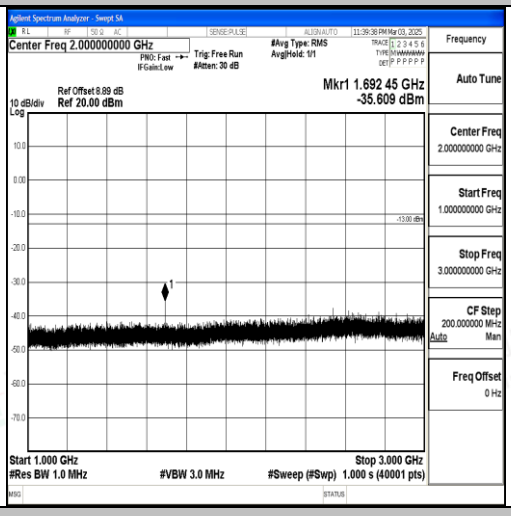

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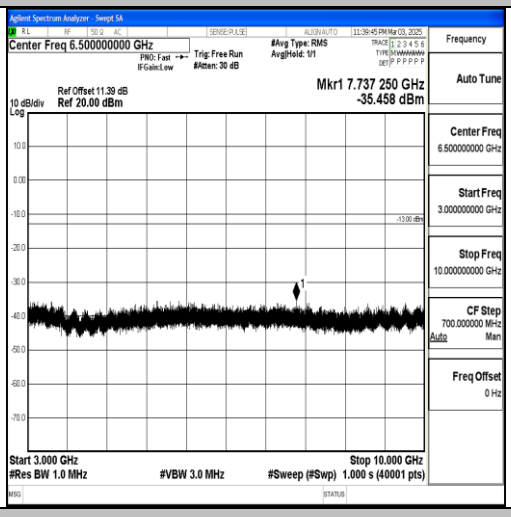

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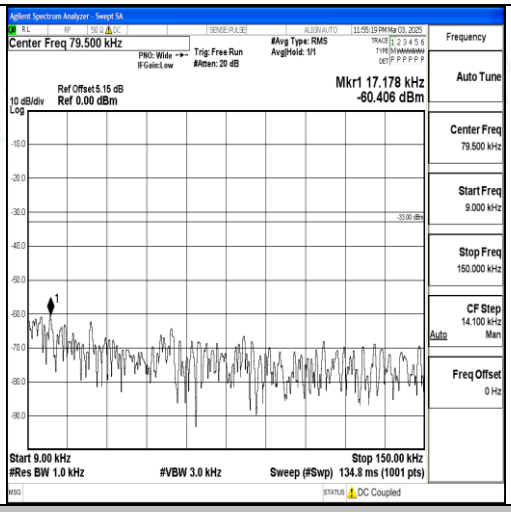

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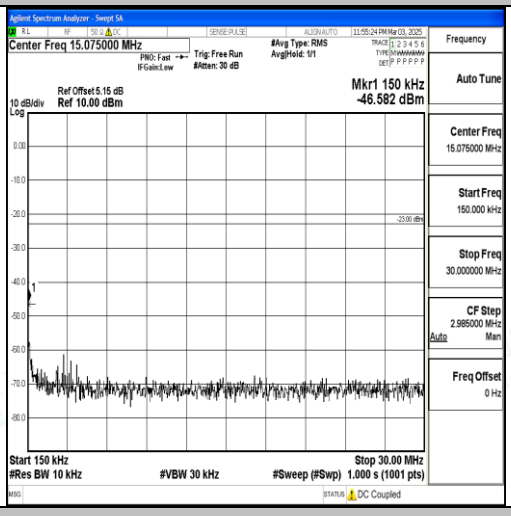

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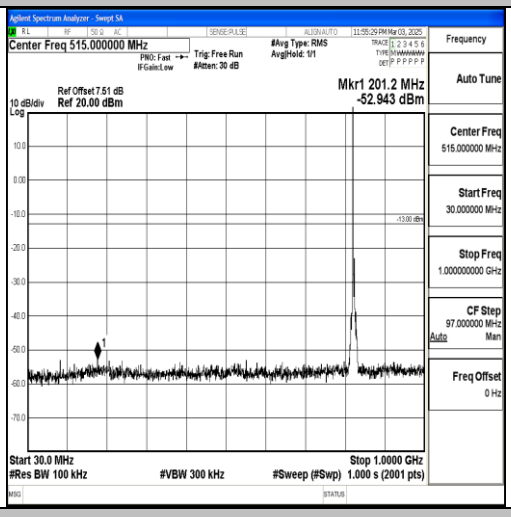

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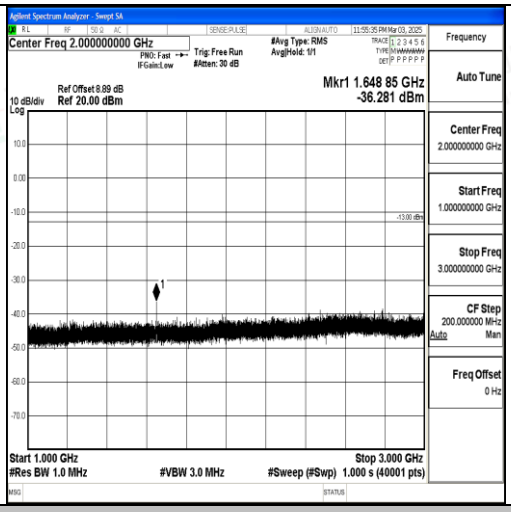

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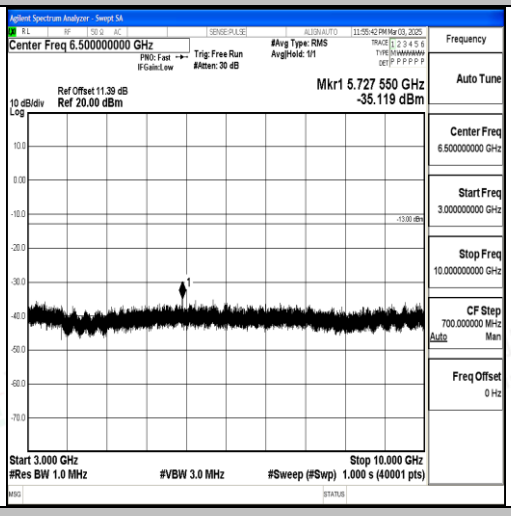

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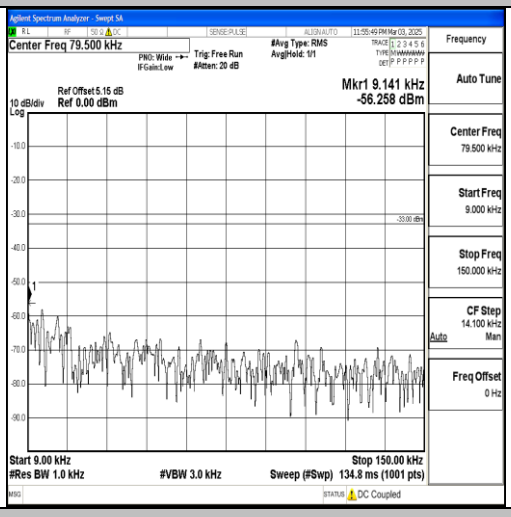

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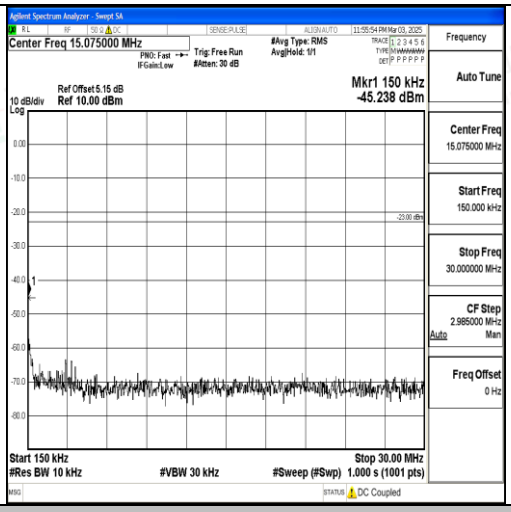

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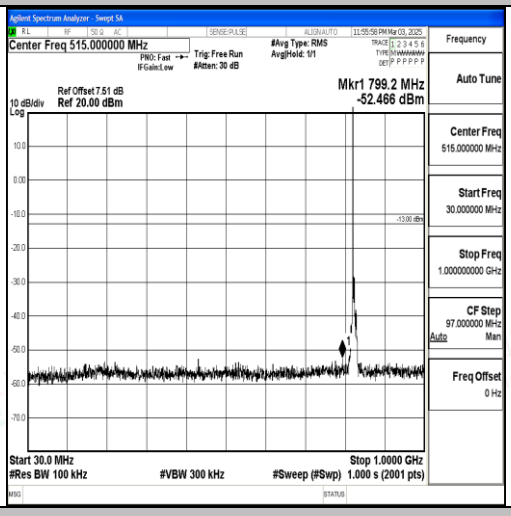

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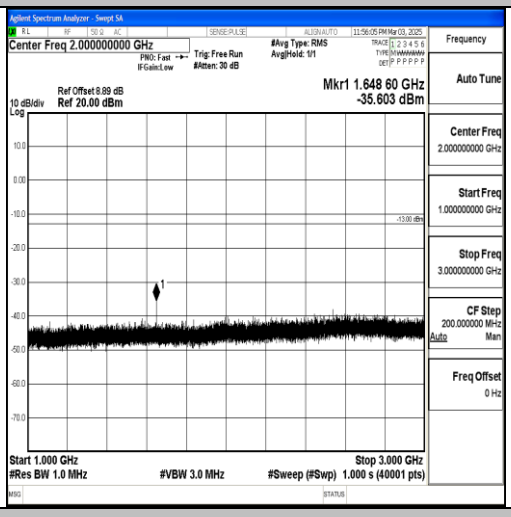

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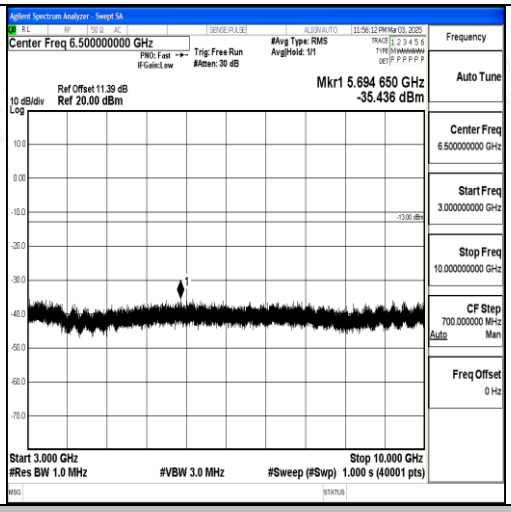

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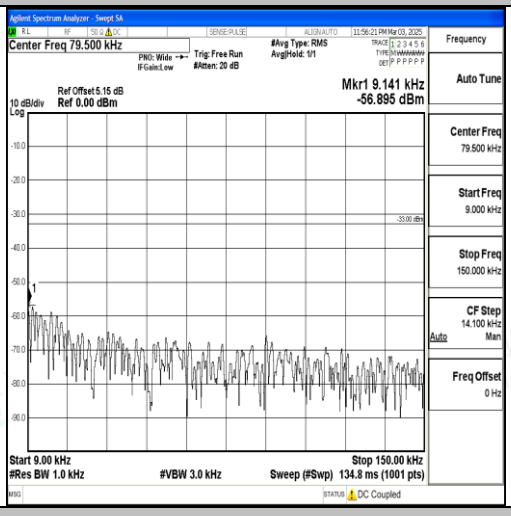

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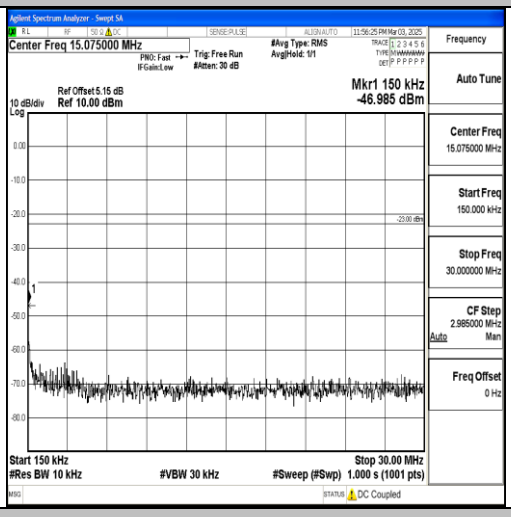

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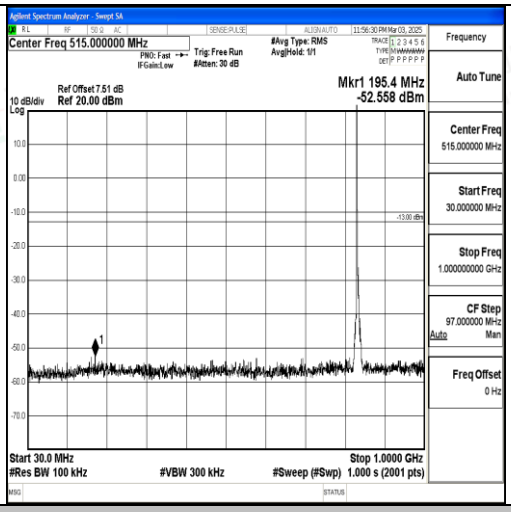

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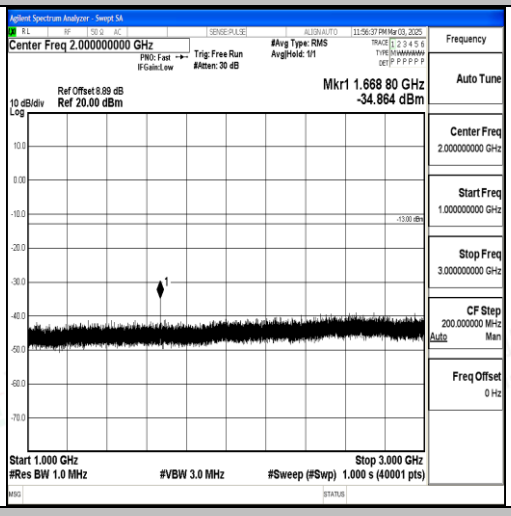

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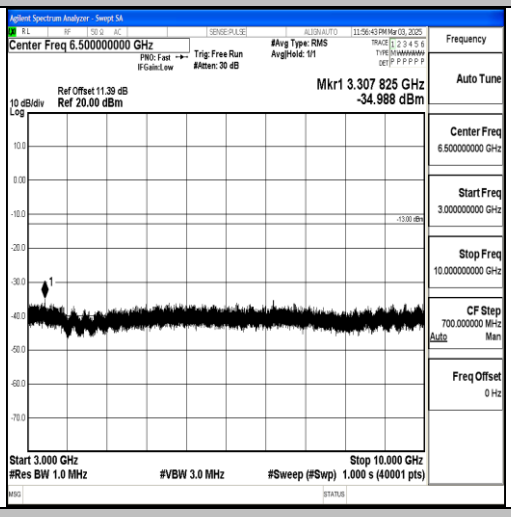

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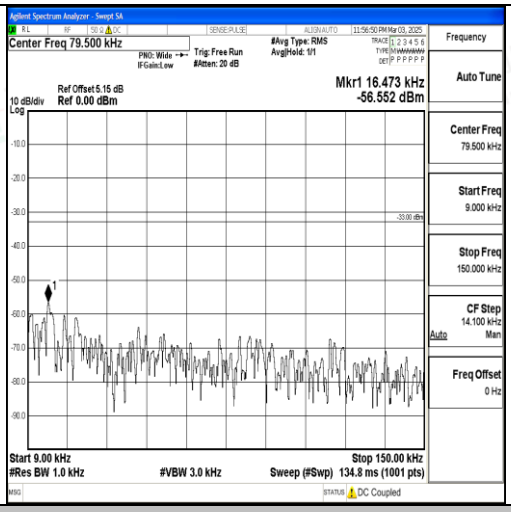
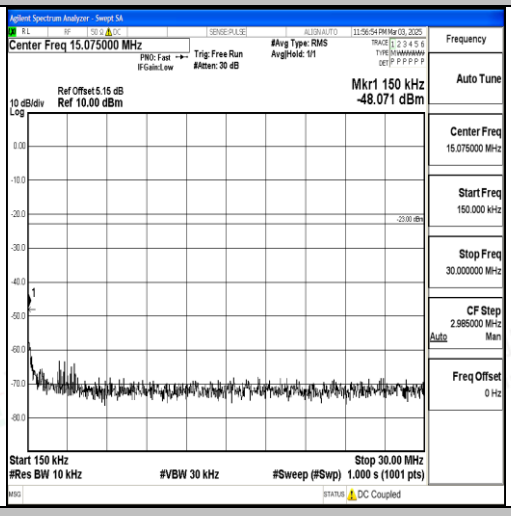


Band5_5MHz_16QAM_20525_1RB#0_0.009~0.15_0.009~0.15



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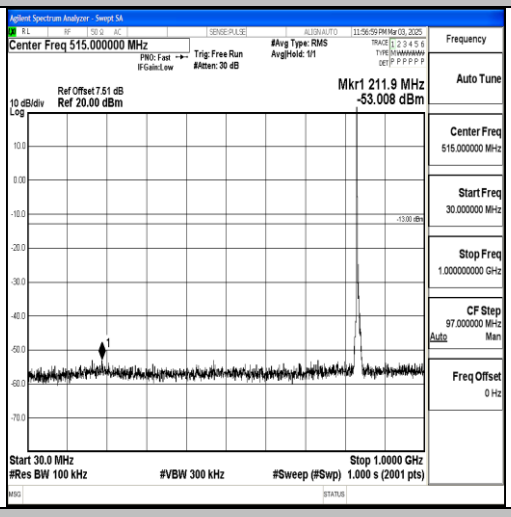

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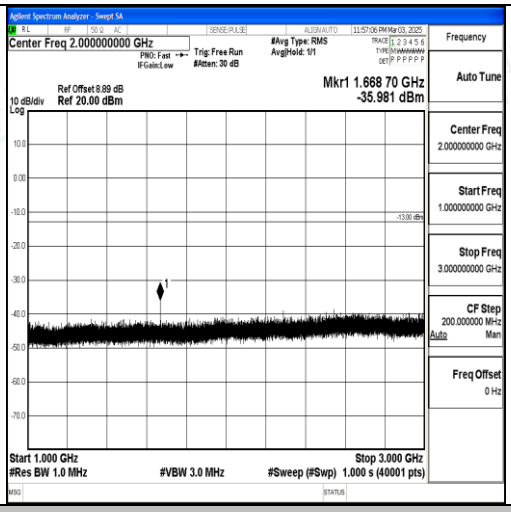
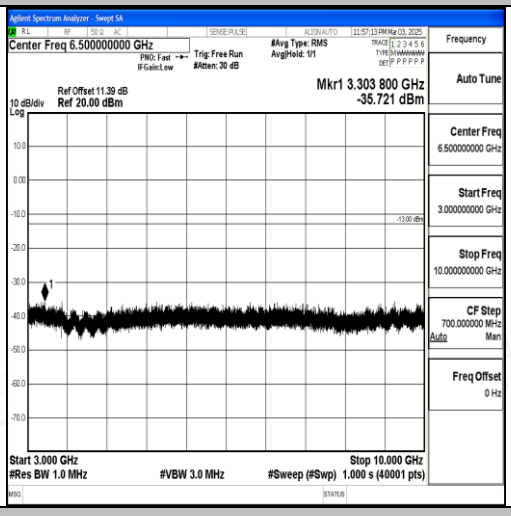
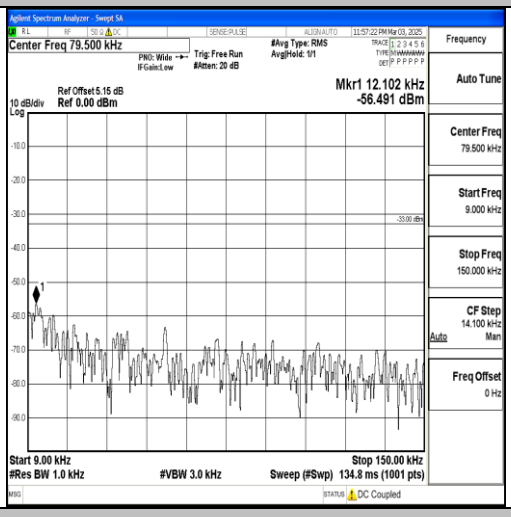


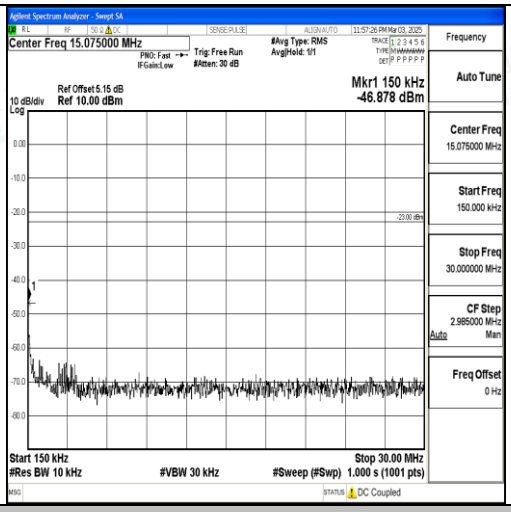
Band5_5MHz_16QAM_20525_1RB#0_1000~3000_1000~3000



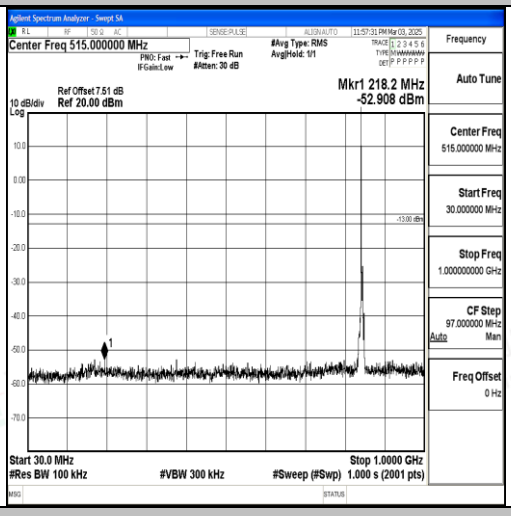
Band5_5MHz_16QAM_20525_1RB#0_3000~10000_3000~10000



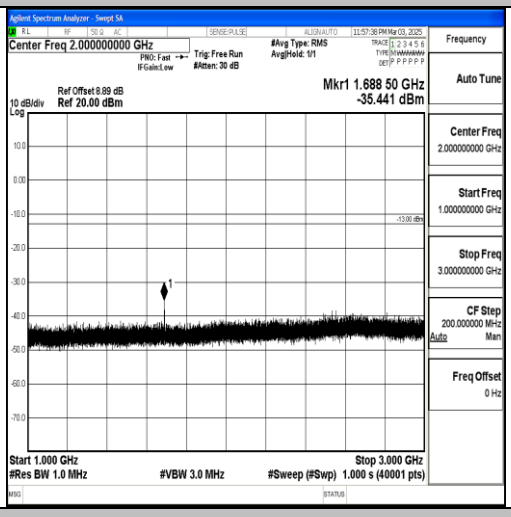
Band5_5MHz_QPSK_20625_1RB#0_0.009~0.15_0.009~0.15



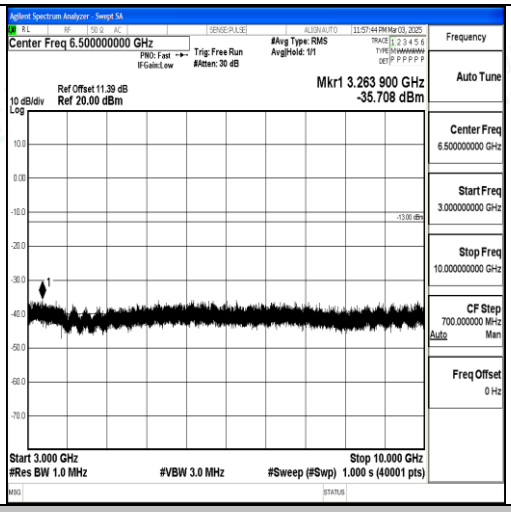
Band5_5MHz_QPSK_20625_1RB#0_0.15~30_0.15~30



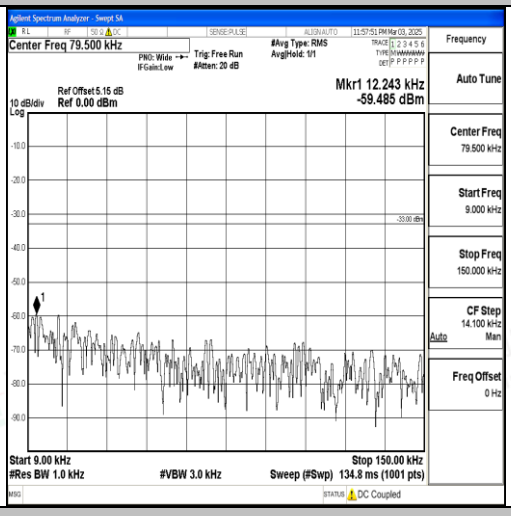
Band5_5MHz_QPSK_20625_1RB#0_30~1000_30~1000



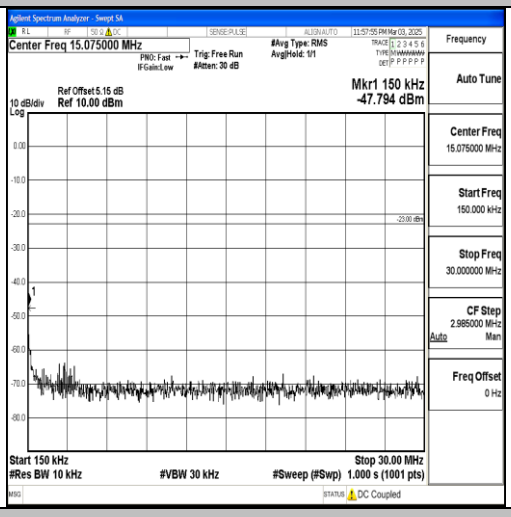
Band5_5MHz_QPSK_20625_1RB#0_1000~3000_1000~3000



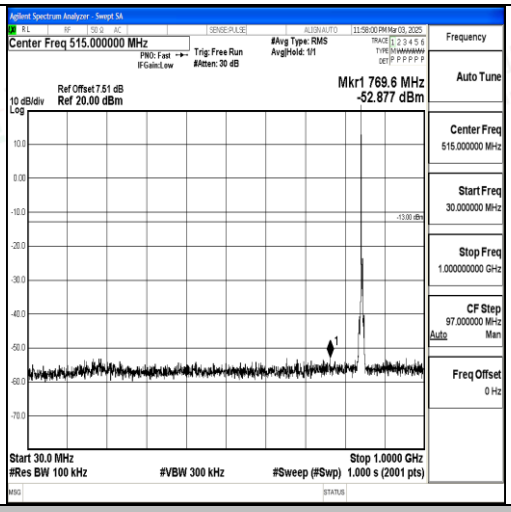
Band5_5MHz_QPSK_20625_1RB#0_3000~10000_3000~10000



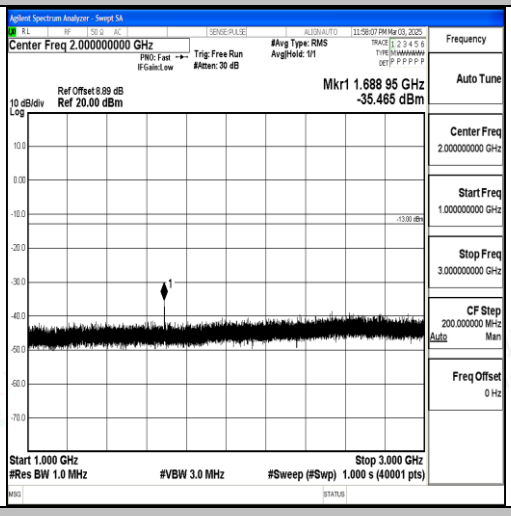
Band5_5MHz_16QAM_20625_1RB#0_0.009~0.15_0.009~0.15



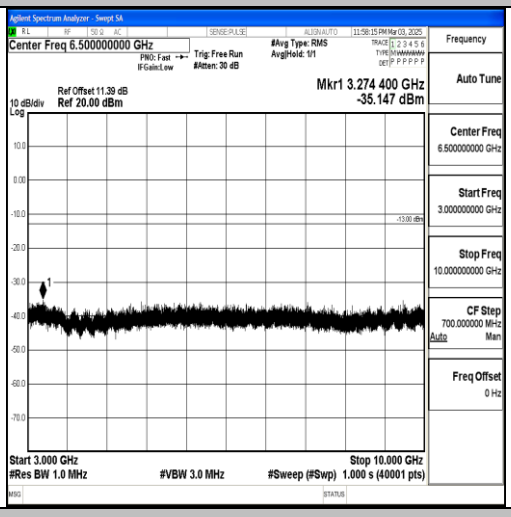
Band5_5MHz_16QAM_20625_1RB#0_0.15~30_0.15~30



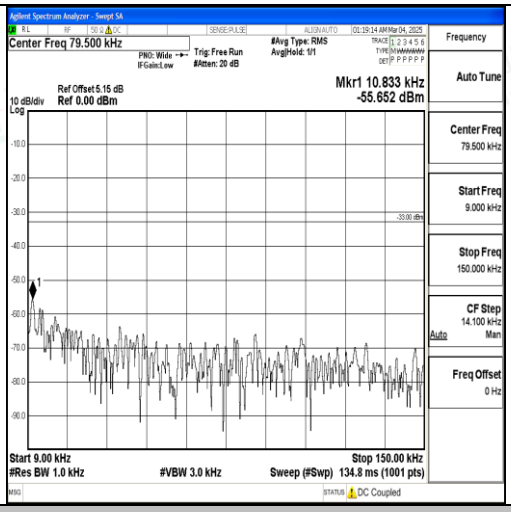
Band5_5MHz_16QAM_20625_1RB#0_30~1000_30~1000



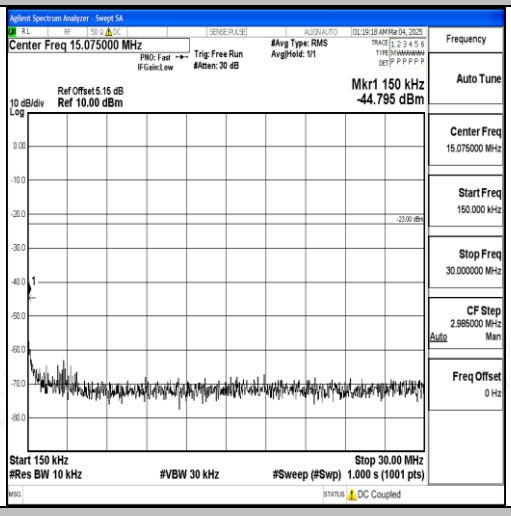
Band5_5MHz_16QAM_20625_1RB#0_1000~3000_1000~3000



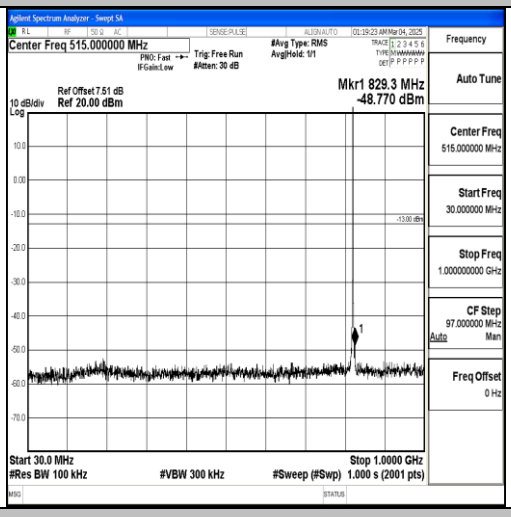
Band5_5MHz_16QAM_20625_1RB#0_3000~10000_3000~10000



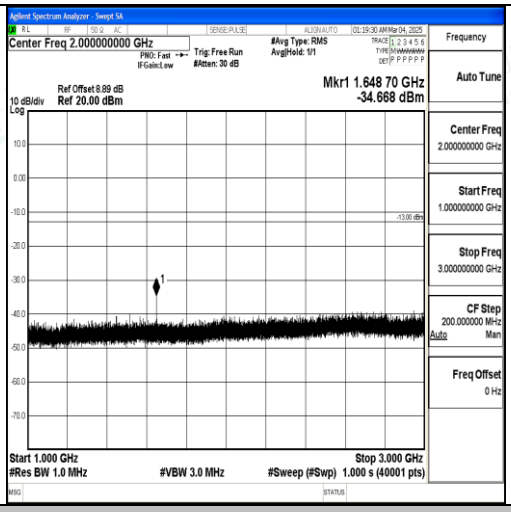
Band5_1.4MHz_QPSK_20407_1RB#0_0.009~0.15_0.009~0.15



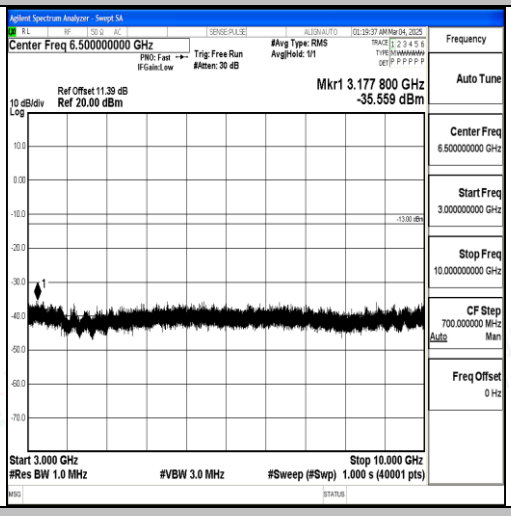
Band5_1.4MHz_QPSK_20407_1RB#0_0.15~30_0.15~30



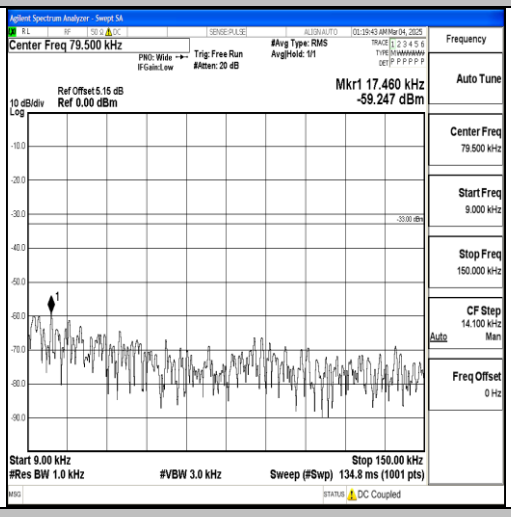
Band5_1.4MHz_QPSK_20407_1RB#0_30~1000_30~1000



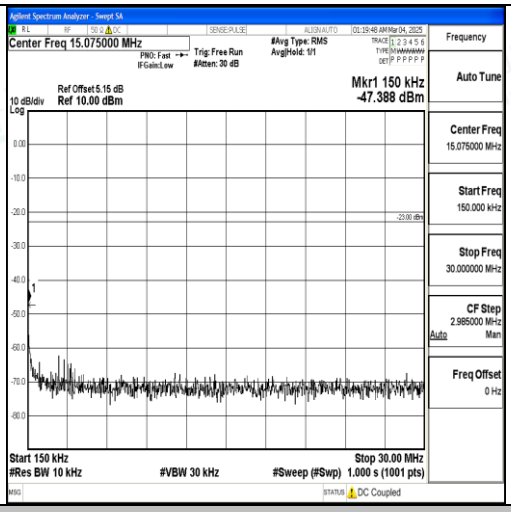
Band5_1.4MHz_QPSK_20407_1RB#0_1000~3000_1000~3000



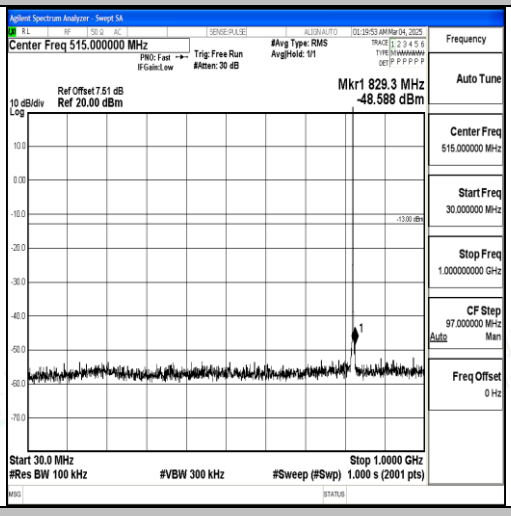
Band5_1.4MHz_QPSK_20407_1RB#0_3000~10000_3000~10000



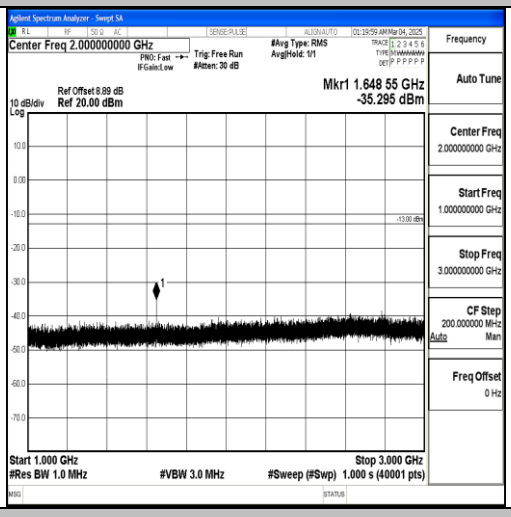
Band5_1.4MHz_16QAM_20407_1RB#0_0.009~0.15_0.009~0.15



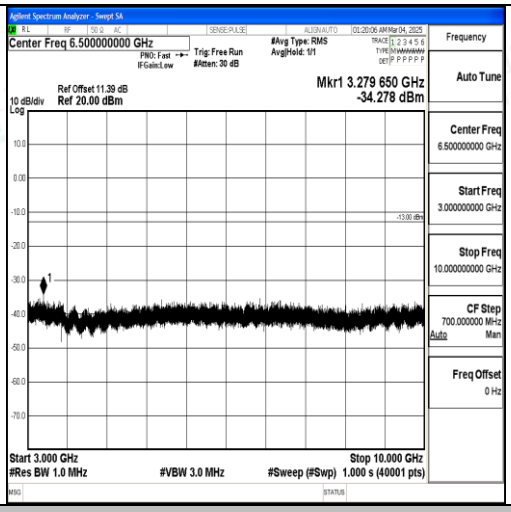
Band5_1.4MHz_16QAM_20407_1RB#0_0.15~30_0.15~30



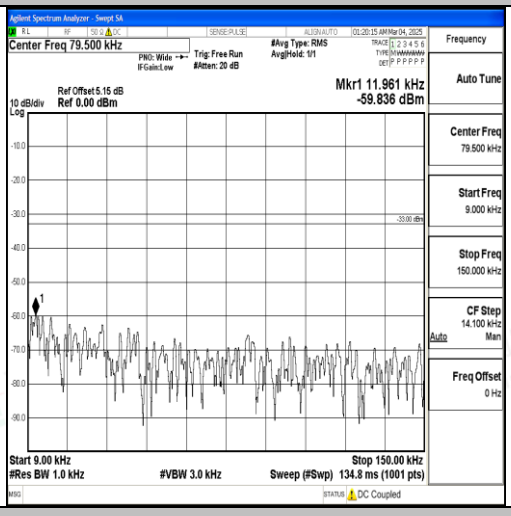
Band5_1.4MHz_16QAM_20407_1RB#0_30~1000_30~1000



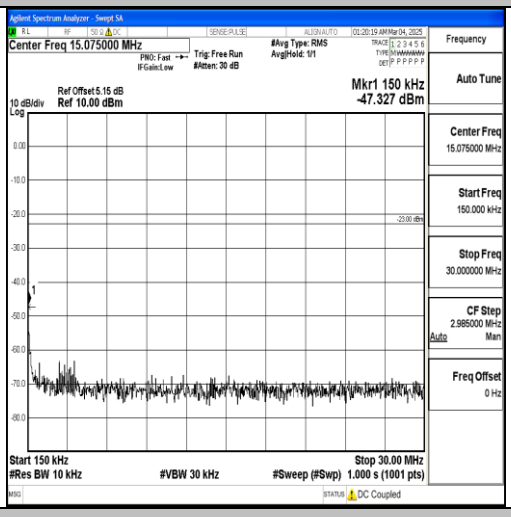
Band5_1.4MHz_16QAM_20407_1RB#0_1000~3000_1000~3000



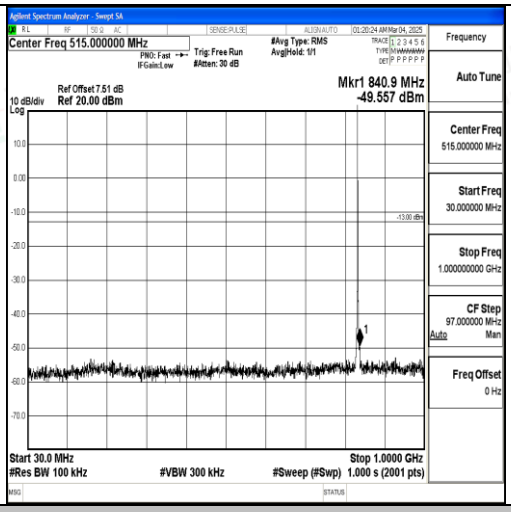
Band5_1.4MHz_16QAM_20407_1RB#0_3000~10000_3000~10000



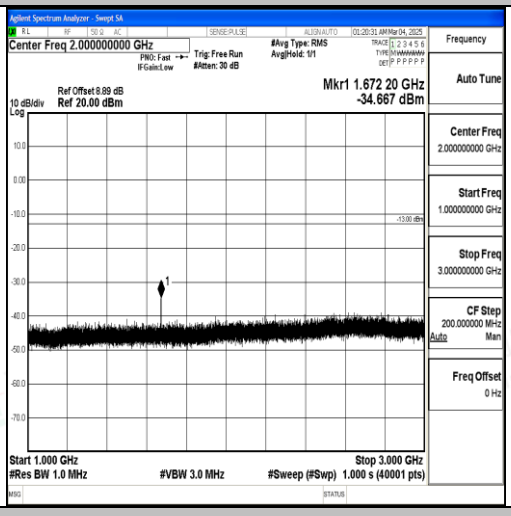
Band5_1.4MHz_QPSK_20525_1RB#0_0.009~0.15_0.009~0.15



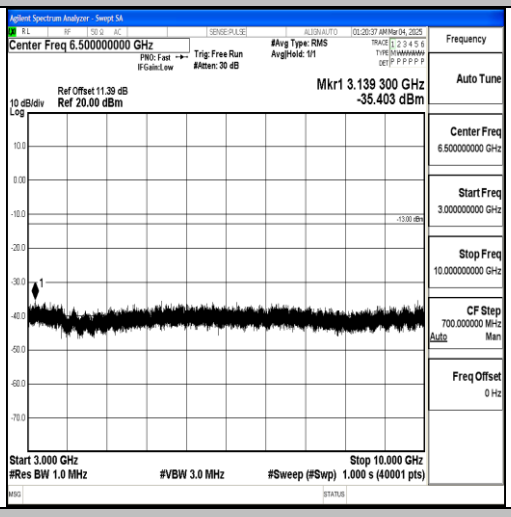
Band5_1.4MHz_QPSK_20525_1RB#0_0.15~30_0.15~30



Band5_1.4MHz_QPSK_20525_1RB#0_30~1000_30~1000



Band5_1.4MHz_QPSK_20525_1RB#0_1000~3000_1000~3000



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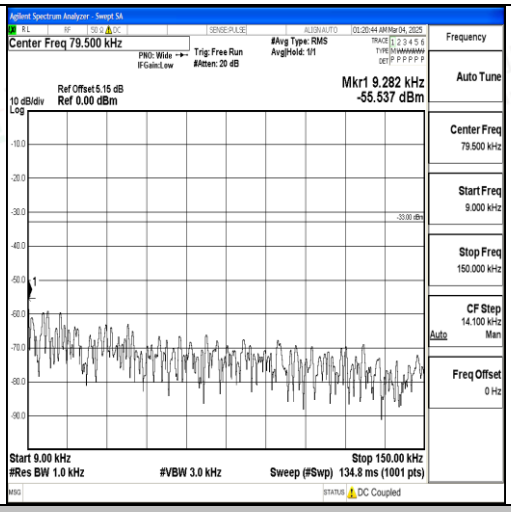
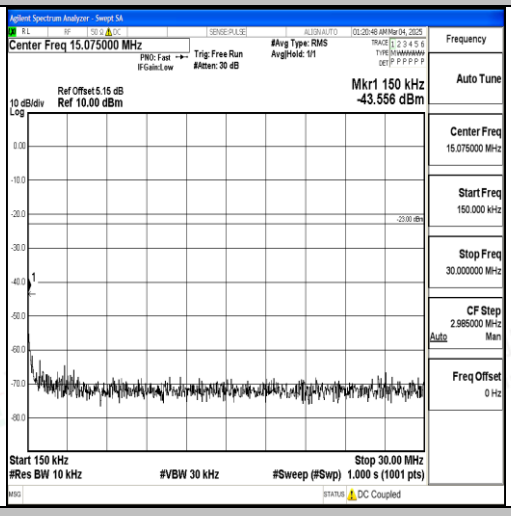
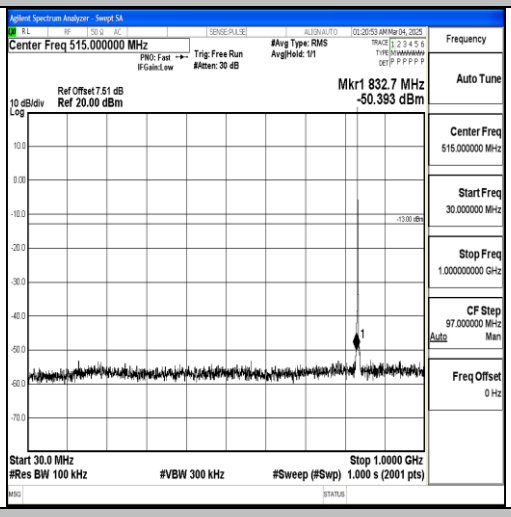


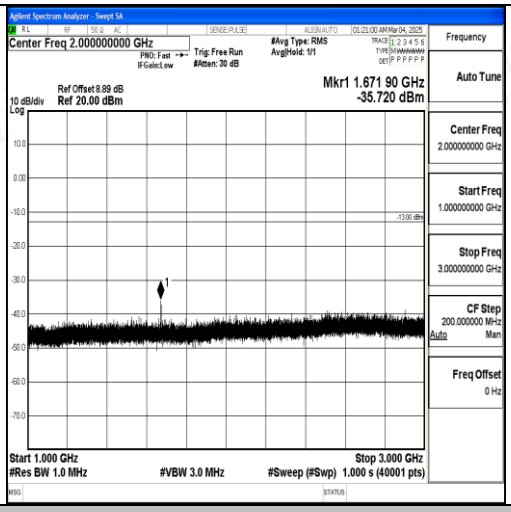
Band5_1.4MHz_16QAM_20525_1RB#0_0.009~0.15_0.009~0.15



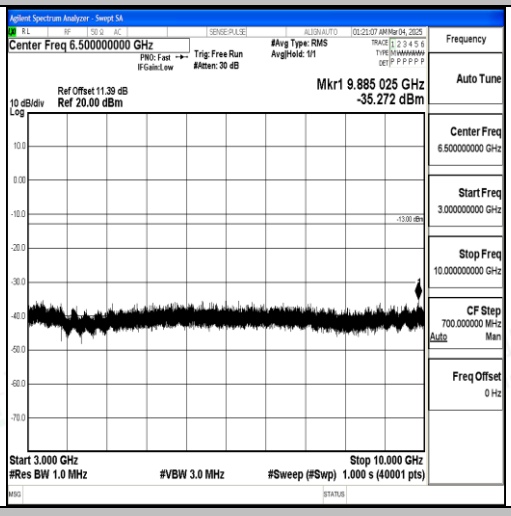
Band5_1.4MHz_16QAM_20525_1RB#0_0.15~30_0.15~30



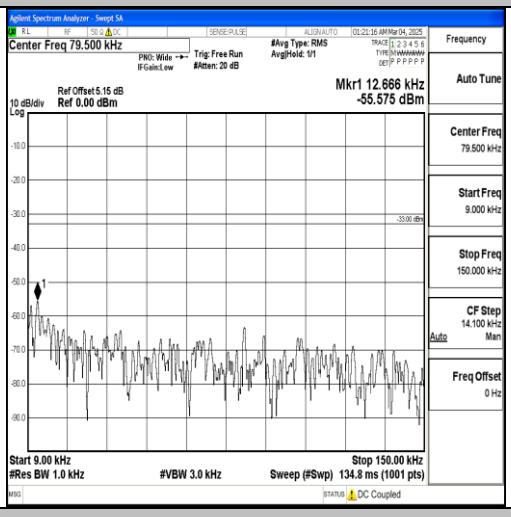
Band5_1.4MHz_16QAM_20525_1RB#0_30~1000_30~1000



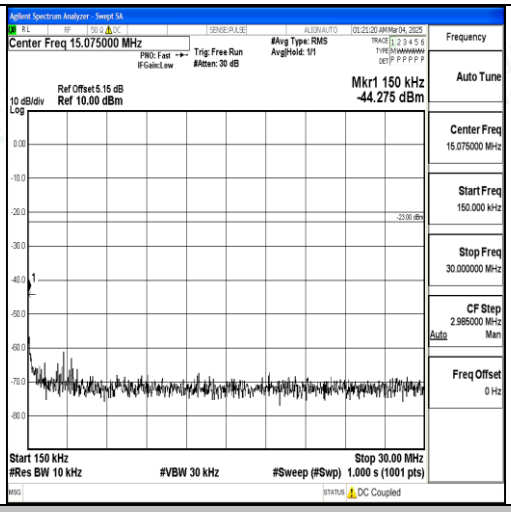
Band5_1.4MHz_16QAM_20525_1RB#0_1000~3000_1000~3000



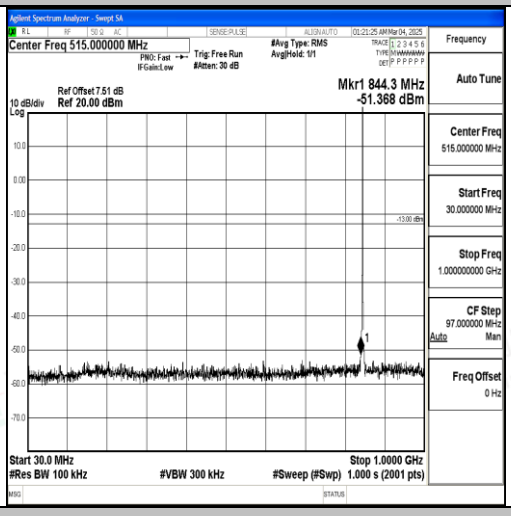
Band5_1.4MHz_16QAM_20525_1RB#0_3000~10000_3000~10000



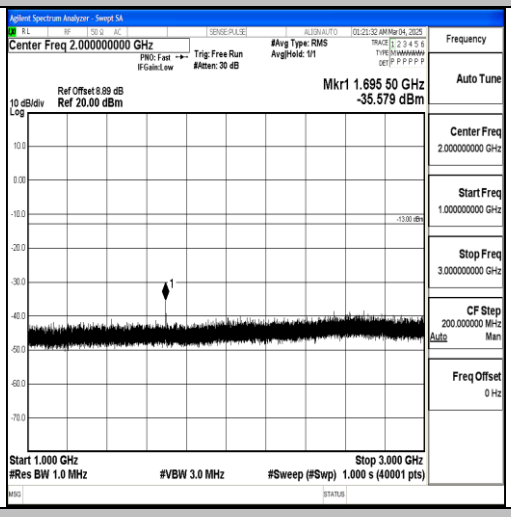
Band5_1.4MHz_QPSK_20643_1RB#0_0.009~0.15_0.009~0.15



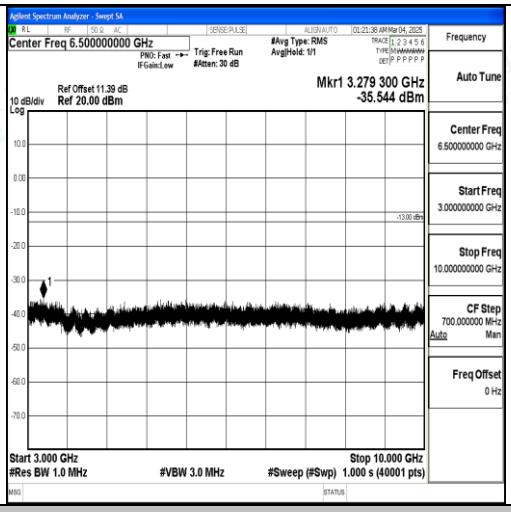
Band5_1.4MHz_QPSK_20643_1RB#0_0.15~30_0.15~30



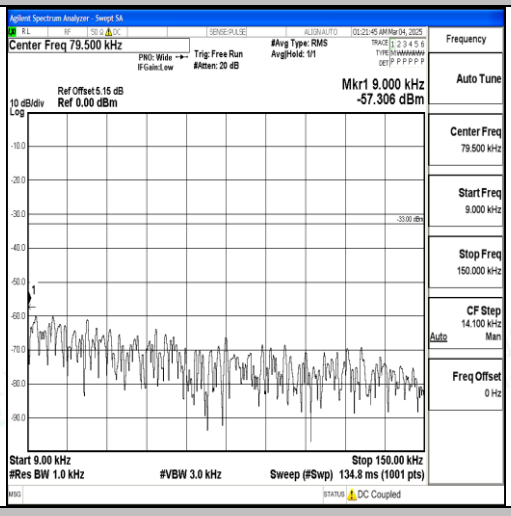
Band5_1.4MHz_QPSK_20643_1RB#0_30~1000_30~1000



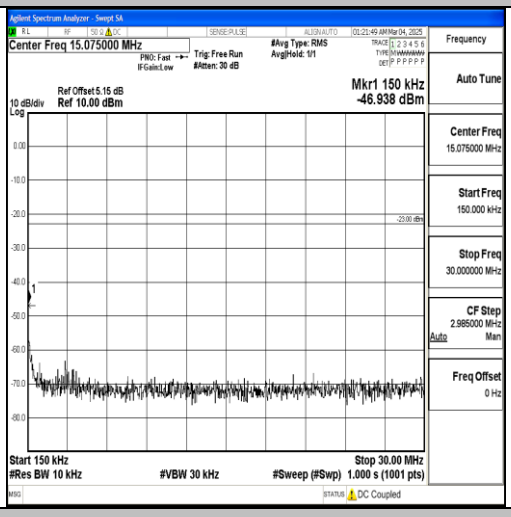
Band5_1.4MHz_QPSK_20643_1RB#0_1000~3000_1000~3000



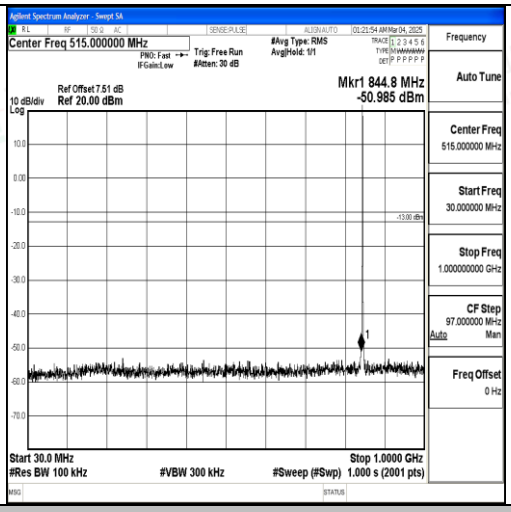
Band5_1.4MHz_QPSK_20643_1RB#0_3000~10000_3000~10000



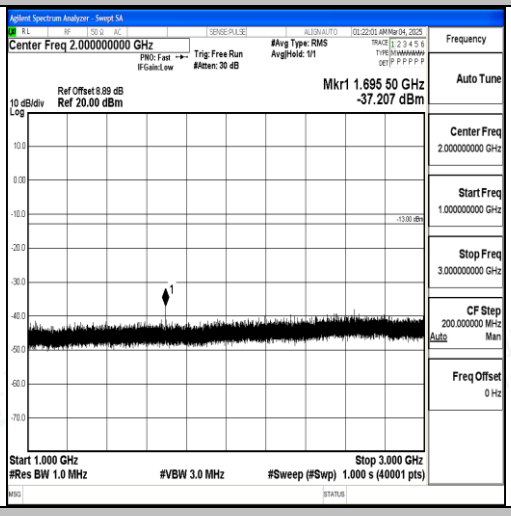
Band5_1.4MHz_16QAM_20643_1RB#0_0.009~0.15_0.009~0.15



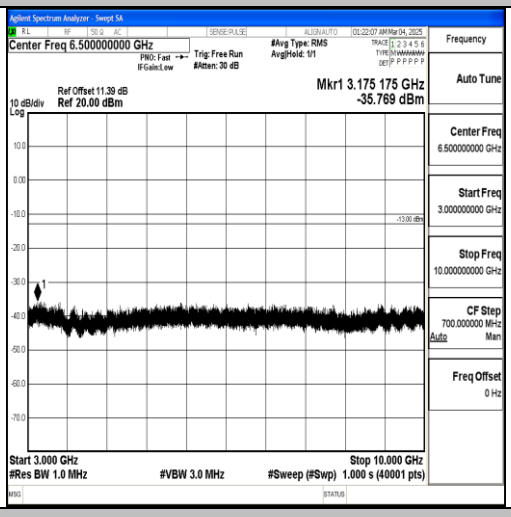
Band5_1.4MHz_16QAM_20643_1RB#0_0.15~30_0.15~30



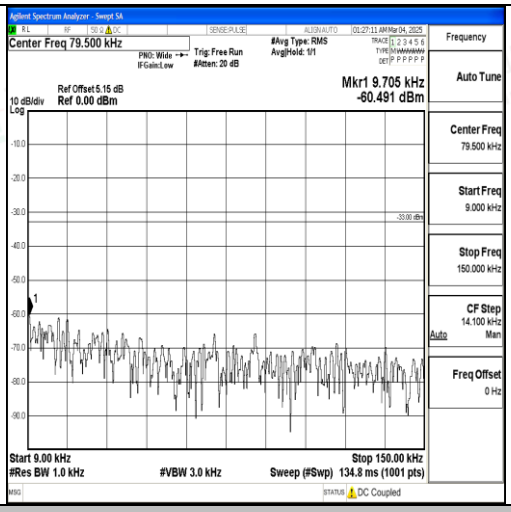
Band5_1.4MHz_16QAM_20643_1RB#0_30~1000_30~1000



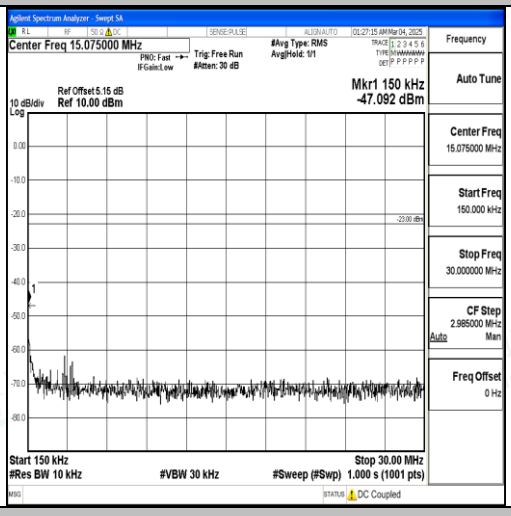
Band5_1.4MHz_16QAM_20643_1RB#0_1000~3000_1000~3000



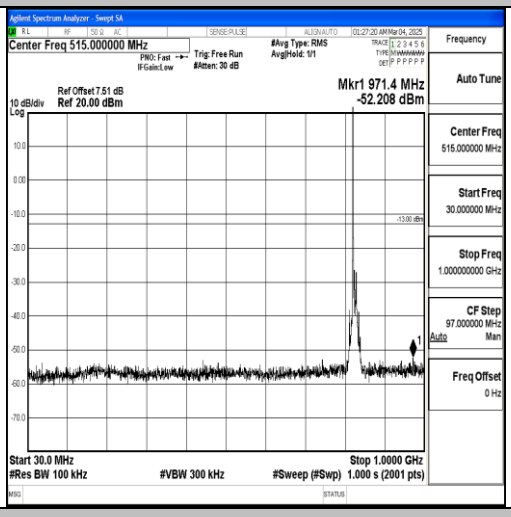
Band5_1.4MHz_16QAM_20643_1RB#0_3000~10000_3000~10000



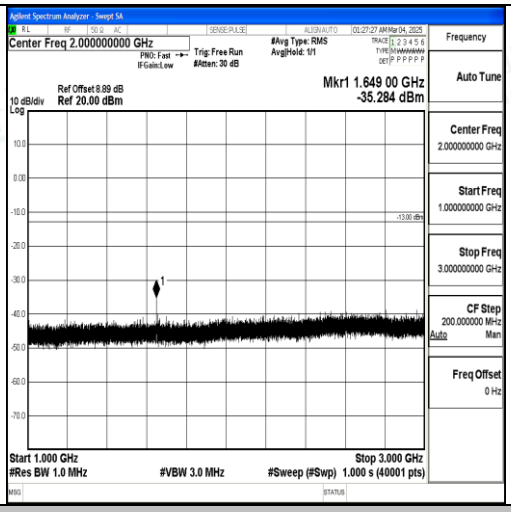
Band5_10MHz_QPSK_20450_1RB#0_0.009~0.15_0.009~0.15



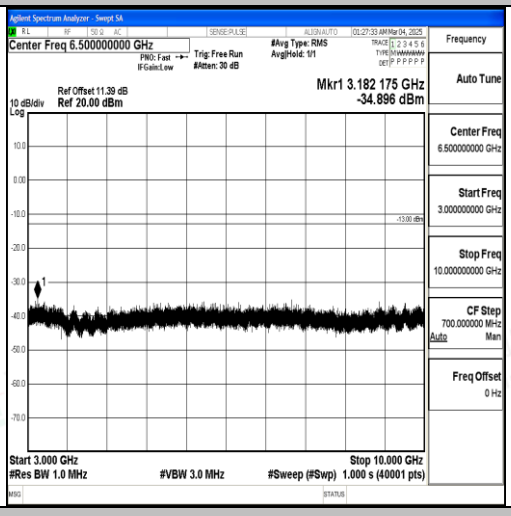
Band5_10MHz_QPSK_20450_1RB#0_0.15~30_0.15~30



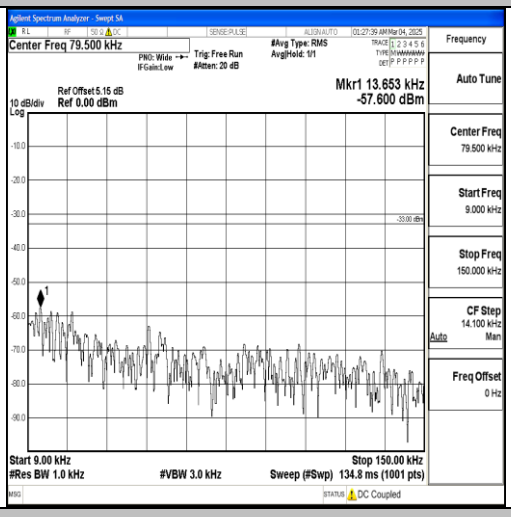
Band5_10MHz_QPSK_20450_1RB#0_30~1000_30~1000



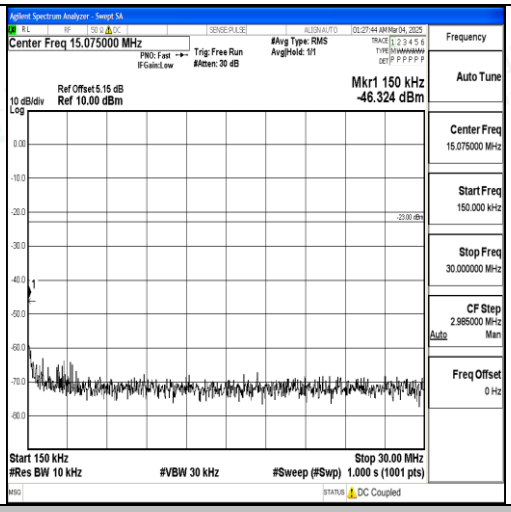
Band5_10MHz_QPSK_20450_1RB#0_1000~3000_1000~3000



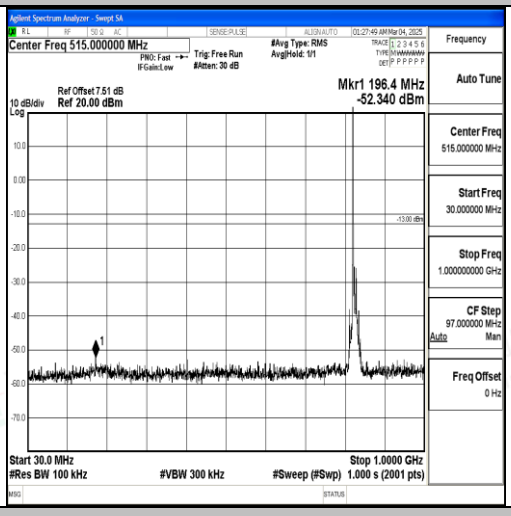
Band5_10MHz_QPSK_20450_1RB#0_3000~10000_3000~10000



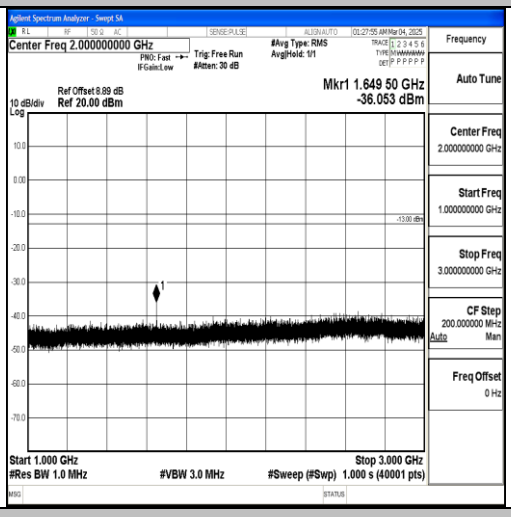
Band5_10MHz_16QAM_20450_1RB#0_0.009~0.15_0.009~0.15



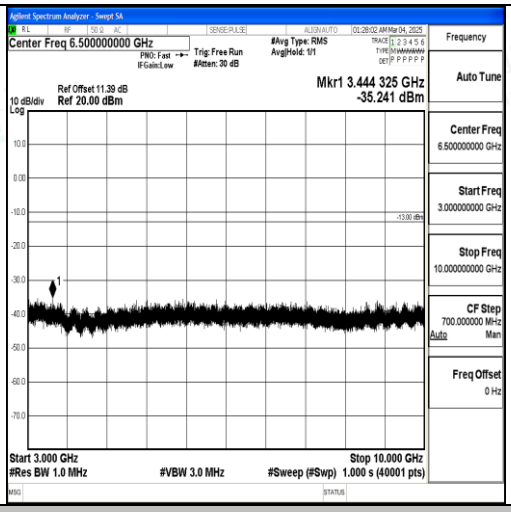
Band5_10MHz_16QAM_20450_1RB#0_0.15~30_0.15~30



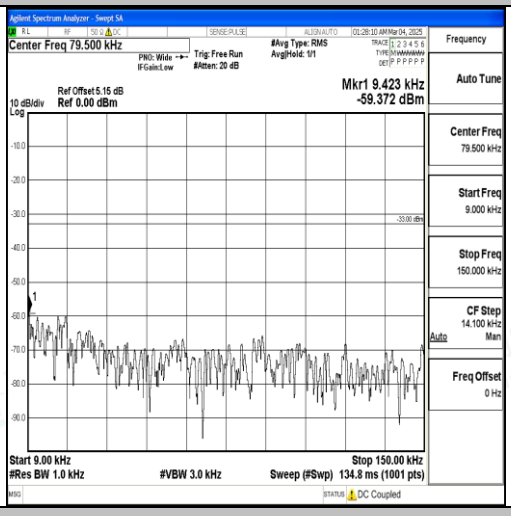
Band5_10MHz_16QAM_20450_1RB#0_30~1000_30~1000



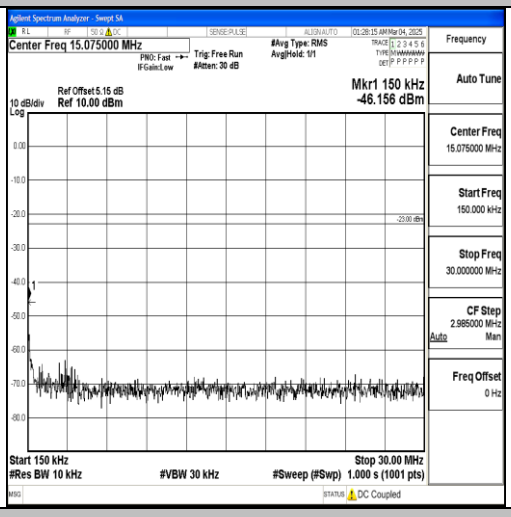
Band5_10MHz_16QAM_20450_1RB#0_1000~3000_1000~3000



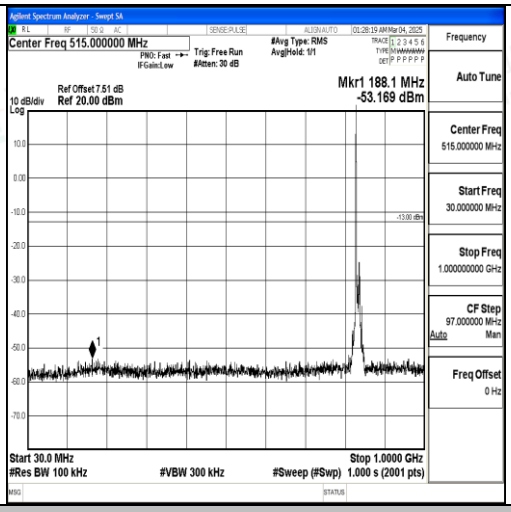
Band5_10MHz_16QAM_20450_1RB#0_3000~10000_3000~10000



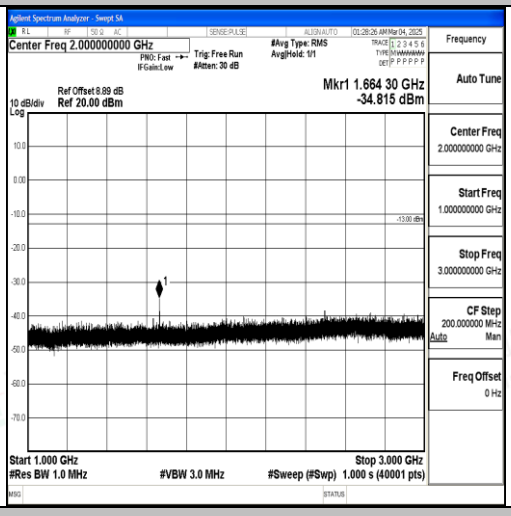
Band5_10MHz_QPSK_20525_1RB#0_0.009~0.15_0.009~0.15



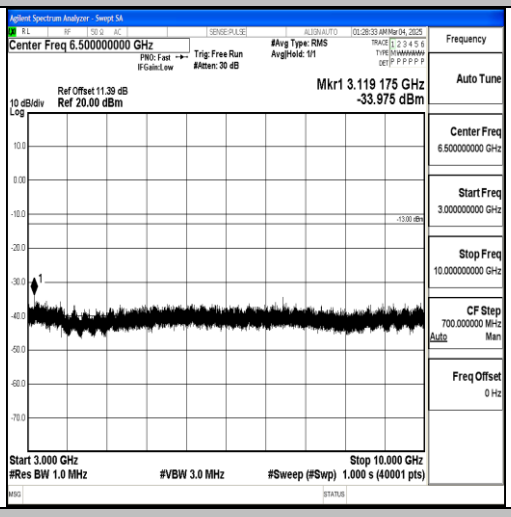
Band5_10MHz_QPSK_20525_1RB#0_0.15~30_0.15~30



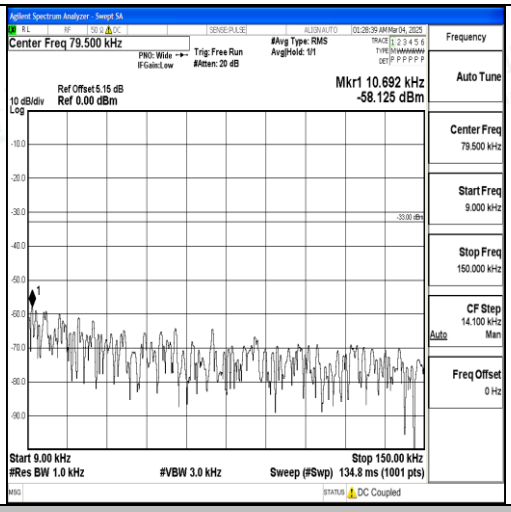
Band5_10MHz_QPSK_20525_1RB#0_30~1000_30~1000



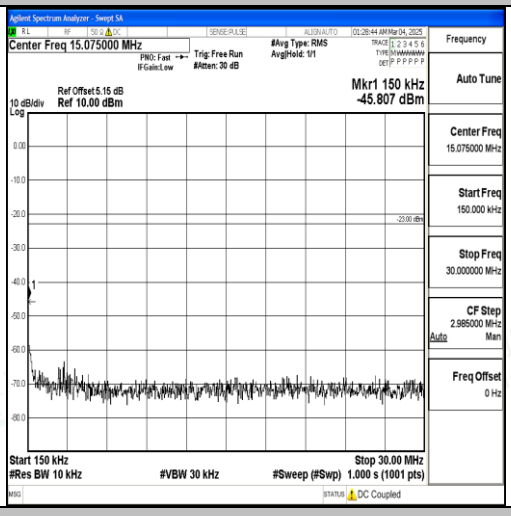
Band5_10MHz_QPSK_20525_1RB#0_1000~3000_1000~3000



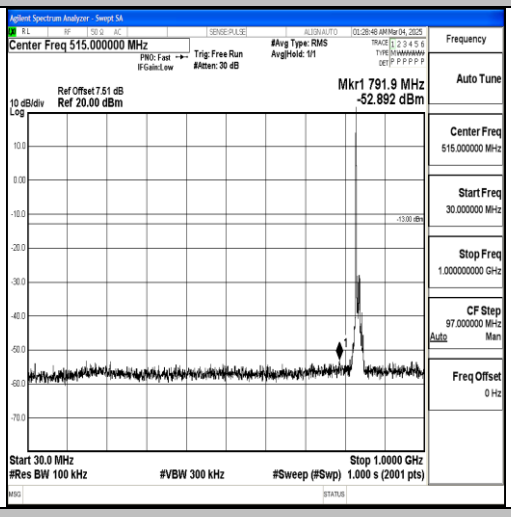
Band5_10MHz_QPSK_20525_1RB#0_3000~10000_3000~10000



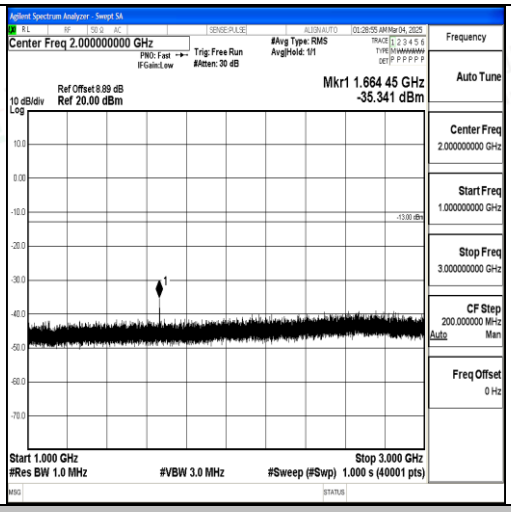
Band5_10MHz_16QAM_20525_1RB#0_0.009~0.15_0.009~0.15



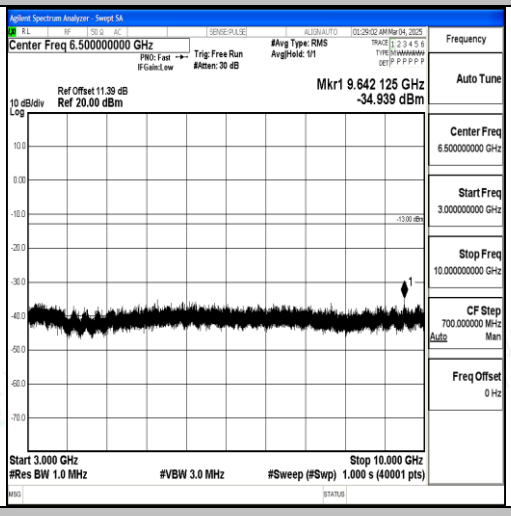
Band5_10MHz_16QAM_20525_1RB#0_0.15~30_0.15~30



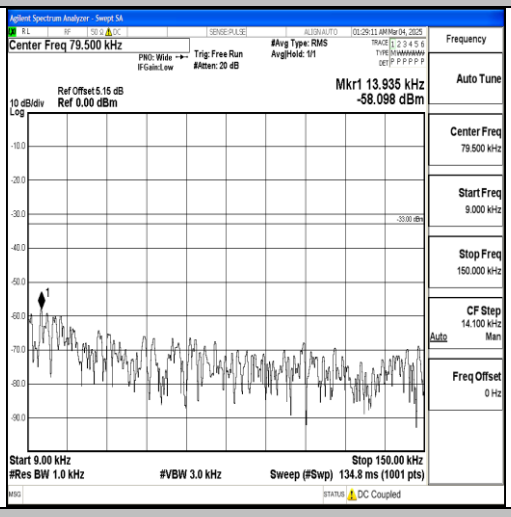
Band5_10MHz_16QAM_20525_1RB#0_30~1000_30~1000



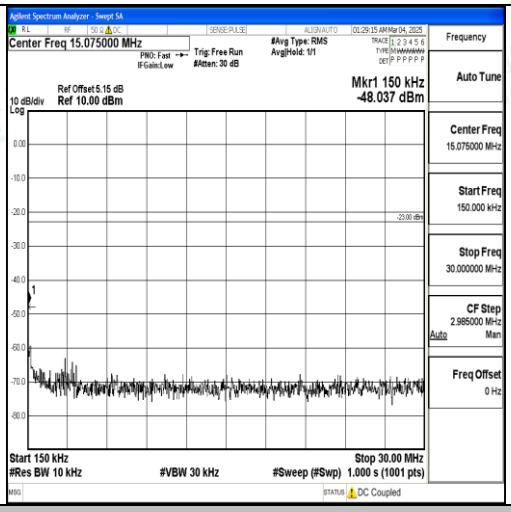
Band5_10MHz_16QAM_20525_1RB#0_1000~3000_1000~3000



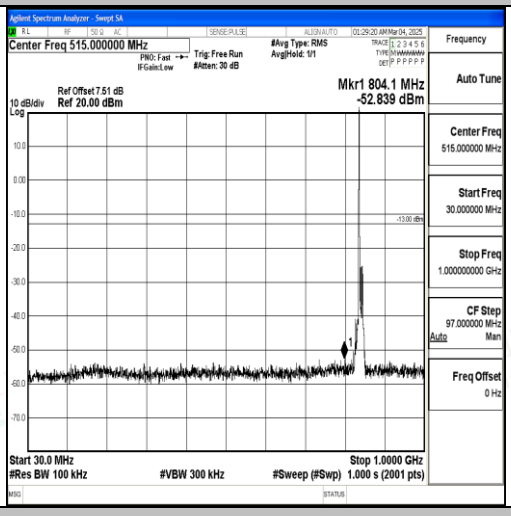
Band5_10MHz_16QAM_20525_1RB#0_3000~10000_3000~10000



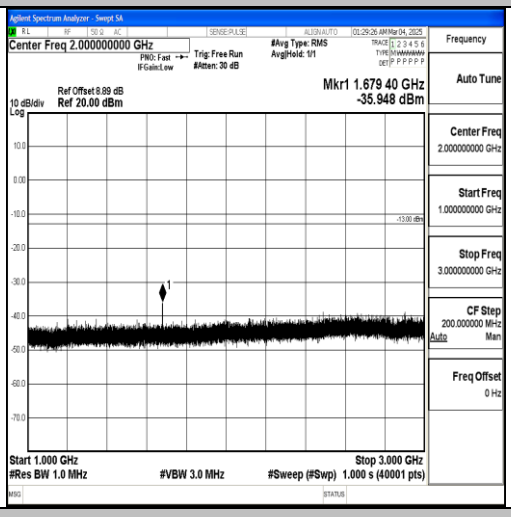
Band5_10MHz_QPSK_20600_1RB#0_0.009~0.15_0.009~0.15



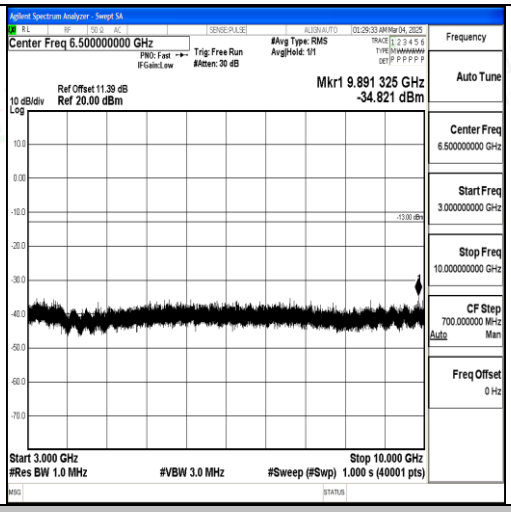
Band5_10MHz_QPSK_20600_1RB#0_0.15~30_0.15~30



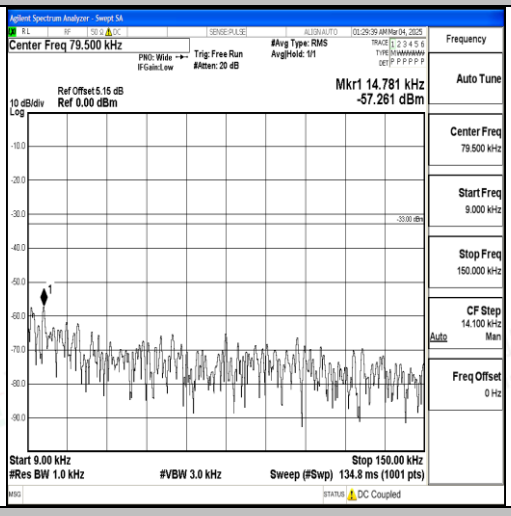
Band5_10MHz_QPSK_20600_1RB#0_30~1000_30~1000



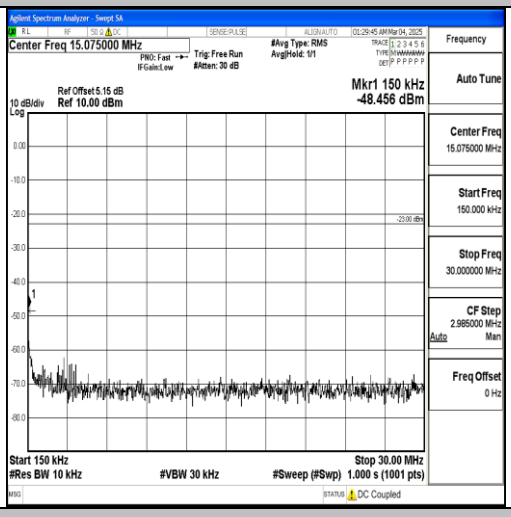
Band5_10MHz_QPSK_20600_1RB#0_1000~3000_1000~3000



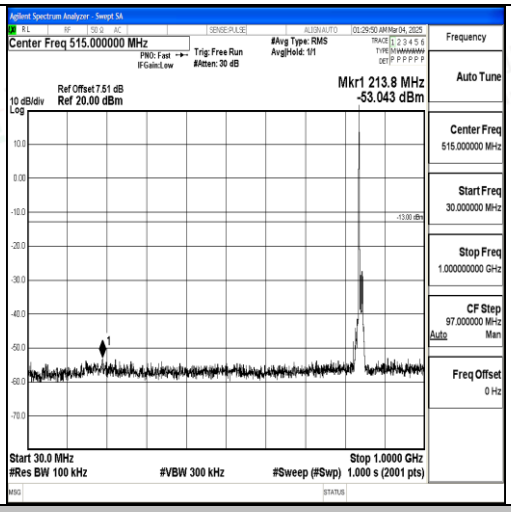
Band5_10MHz_QPSK_20600_1RB#0_3000~10000_3000~10000



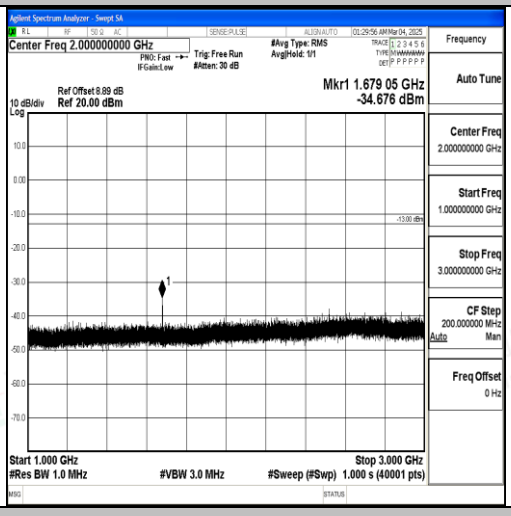
Band5_10MHz_16QAM_20600_1RB#0_0.009~0.15_0.009~0.15



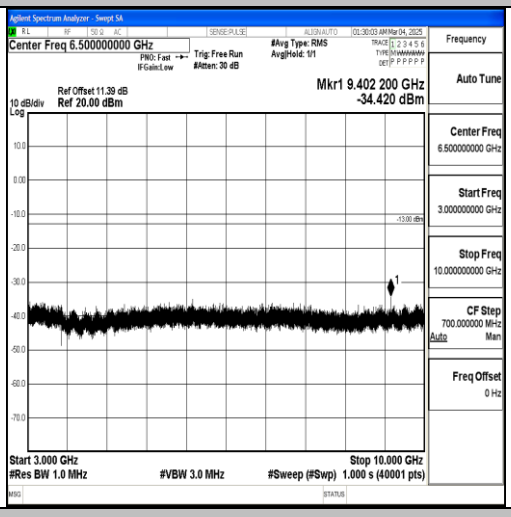
Band5_10MHz_16QAM_20600_1RB#0_0.15~30_0.15~30



Band5_10MHz_16QAM_20600_1RB#0_30~1000_30~1000



Band5_10MHz_16QAM_20600_1RB#0_1000~3000_1000~3000



Band5_10MHz_16QAM_20600_1RB#0_3000~10000_3000~10000

Appendix K: Test Data for E-UTRA Band 7

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

K.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	22.29	PASS
Band7	5MHz	16QAM	20775	1RB#0	21.25	PASS
Band7	5MHz	QPSK	20775	1RB#12	22.46	PASS
Band7	5MHz	16QAM	20775	1RB#12	21.25	PASS
Band7	5MHz	QPSK	20775	1RB#24	22.49	PASS
Band7	5MHz	16QAM	20775	1RB#24	21.29	PASS
Band7	5MHz	QPSK	20775	12RB#0	21.29	PASS
Band7	5MHz	16QAM	20775	12RB#0	20.35	PASS
Band7	5MHz	QPSK	20775	12RB#6	21.30	PASS
Band7	5MHz	16QAM	20775	12RB#6	20.33	PASS
Band7	5MHz	QPSK	20775	12RB#13	21.32	PASS
Band7	5MHz	16QAM	20775	12RB#13	20.32	PASS
Band7	5MHz	QPSK	20775	25RB#0	21.33	PASS
Band7	5MHz	16QAM	20775	25RB#0	20.35	PASS
Band7	5MHz	QPSK	21100	1RB#0	22.28	PASS
Band7	5MHz	16QAM	21100	1RB#0	21.28	PASS
Band7	5MHz	QPSK	21100	1RB#12	22.30	PASS
Band7	5MHz	16QAM	21100	1RB#12	21.30	PASS
Band7	5MHz	QPSK	21100	1RB#24	22.37	PASS
Band7	5MHz	16QAM	21100	1RB#24	21.25	PASS
Band7	5MHz	QPSK	21100	12RB#0	21.23	PASS
Band7	5MHz	16QAM	21100	12RB#0	20.34	PASS
Band7	5MHz	QPSK	21100	12RB#6	21.25	PASS
Band7	5MHz	16QAM	21100	12RB#6	20.30	PASS
Band7	5MHz	QPSK	21100	12RB#13	21.21	PASS
Band7	5MHz	16QAM	21100	12RB#13	20.32	PASS
Band7	5MHz	QPSK	21100	25RB#0	21.28	PASS
Band7	5MHz	16QAM	21100	25RB#0	20.24	PASS
Band7	5MHz	QPSK	21425	1RB#0	22.62	PASS
Band7	5MHz	16QAM	21425	1RB#0	21.38	PASS
Band7	5MHz	QPSK	21425	1RB#12	22.54	PASS
Band7	5MHz	16QAM	21425	1RB#12	21.53	PASS
Band7	5MHz	QPSK	21425	1RB#24	22.64	PASS
Band7	5MHz	16QAM	21425	1RB#24	21.57	PASS
Band7	5MHz	QPSK	21425	12RB#0	21.44	PASS
Band7	5MHz	16QAM	21425	12RB#0	20.49	PASS

Band7	5MHz	QPSK	21425	12RB#6	21.41	PASS
Band7	5MHz	16QAM	21425	12RB#6	20.48	PASS
Band7	5MHz	QPSK	21425	12RB#13	21.41	PASS
Band7	5MHz	16QAM	21425	12RB#13	20.45	PASS
Band7	5MHz	QPSK	21425	25RB#0	21.49	PASS
Band7	5MHz	16QAM	21425	25RB#0	20.49	PASS
Band7	10MHz	QPSK	20800	1RB#0	20.34	PASS
Band7	10MHz	16QAM	20800	1RB#0	20.39	PASS
Band7	10MHz	QPSK	20800	1RB#24	20.47	PASS
Band7	10MHz	16QAM	20800	1RB#24	20.28	PASS
Band7	10MHz	QPSK	20800	1RB#49	20.40	PASS
Band7	10MHz	16QAM	20800	1RB#49	20.48	PASS
Band7	10MHz	QPSK	20800	25RB#0	20.39	PASS
Band7	10MHz	16QAM	20800	25RB#0	20.36	PASS
Band7	10MHz	QPSK	20800	25RB#12	20.37	PASS
Band7	10MHz	16QAM	20800	25RB#12	20.36	PASS
Band7	10MHz	QPSK	20800	25RB#25	20.37	PASS
Band7	10MHz	16QAM	20800	25RB#25	20.35	PASS
Band7	10MHz	QPSK	20800	50RB#0	20.35	PASS
Band7	10MHz	16QAM	20800	50RB#0	20.35	PASS
Band7	10MHz	QPSK	21100	1RB#0	22.25	PASS
Band7	10MHz	16QAM	21100	1RB#0	21.12	PASS
Band7	10MHz	QPSK	21100	1RB#24	22.25	PASS
Band7	10MHz	16QAM	21100	1RB#24	21.08	PASS
Band7	10MHz	QPSK	21100	1RB#49	22.17	PASS
Band7	10MHz	16QAM	21100	1RB#49	21.19	PASS
Band7	10MHz	QPSK	21100	25RB#0	21.33	PASS
Band7	10MHz	16QAM	21100	25RB#0	20.33	PASS
Band7	10MHz	QPSK	21100	25RB#12	21.30	PASS
Band7	10MHz	16QAM	21100	25RB#12	20.33	PASS
Band7	10MHz	QPSK	21100	25RB#25	21.29	PASS
Band7	10MHz	16QAM	21100	25RB#25	20.33	PASS
Band7	10MHz	QPSK	21100	50RB#0	21.32	PASS
Band7	10MHz	16QAM	21100	50RB#0	20.32	PASS
Band7	10MHz	QPSK	21400	1RB#0	22.25	PASS
Band7	10MHz	16QAM	21400	1RB#0	21.27	PASS
Band7	10MHz	QPSK	21400	1RB#24	22.50	PASS
Band7	10MHz	16QAM	21400	1RB#24	21.59	PASS
Band7	10MHz	QPSK	21400	1RB#49	22.38	PASS
Band7	10MHz	16QAM	21400	1RB#49	20.42	PASS
Band7	10MHz	QPSK	21400	25RB#0	20.40	PASS
Band7	10MHz	16QAM	21400	25RB#0	20.39	PASS

Band7	10MHz	QPSK	21400	25RB#12	20.41	PASS
Band7	10MHz	16QAM	21400	25RB#12	20.41	PASS
Band7	10MHz	QPSK	21400	25RB#25	20.49	PASS
Band7	10MHz	16QAM	21400	25RB#25	20.45	PASS
Band7	10MHz	QPSK	21400	50RB#0	20.43	PASS
Band7	10MHz	16QAM	21400	50RB#0	20.41	PASS
Band7	15MHz	QPSK	20825	1RB#0	20.42	PASS
Band7	15MHz	16QAM	20825	1RB#0	20.28	PASS
Band7	15MHz	QPSK	20825	1RB#38	20.39	PASS
Band7	15MHz	16QAM	20825	1RB#38	20.53	PASS
Band7	15MHz	QPSK	20825	1RB#74	20.54	PASS
Band7	15MHz	16QAM	20825	1RB#74	20.45	PASS
Band7	15MHz	QPSK	20825	38RB#0	20.40	PASS
Band7	15MHz	16QAM	20825	38RB#0	20.41	PASS
Band7	15MHz	QPSK	20825	38RB#18	20.41	PASS
Band7	15MHz	16QAM	20825	38RB#18	20.42	PASS
Band7	15MHz	QPSK	20825	38RB#37	20.40	PASS
Band7	15MHz	16QAM	20825	38RB#37	20.41	PASS
Band7	15MHz	QPSK	20825	75RB#0	20.40	PASS
Band7	15MHz	16QAM	20825	75RB#0	20.38	PASS
Band7	15MHz	QPSK	21100	1RB#0	20.28	PASS
Band7	15MHz	16QAM	21100	1RB#0	20.47	PASS
Band7	15MHz	QPSK	21100	1RB#38	20.25	PASS
Band7	15MHz	16QAM	21100	1RB#38	20.32	PASS
Band7	15MHz	QPSK	21100	1RB#74	20.17	PASS
Band7	15MHz	16QAM	21100	1RB#74	20.28	PASS
Band7	15MHz	QPSK	21100	38RB#0	20.33	PASS
Band7	15MHz	16QAM	21100	38RB#0	20.33	PASS
Band7	15MHz	QPSK	21100	38RB#18	20.32	PASS
Band7	15MHz	16QAM	21100	38RB#18	20.31	PASS
Band7	15MHz	QPSK	21100	38RB#37	20.32	PASS
Band7	15MHz	16QAM	21100	38RB#37	20.32	PASS
Band7	15MHz	QPSK	21100	75RB#0	20.31	PASS
Band7	15MHz	16QAM	21100	75RB#0	20.37	PASS
Band7	15MHz	QPSK	21375	1RB#0	20.23	PASS
Band7	15MHz	16QAM	21375	1RB#0	20.03	PASS
Band7	15MHz	QPSK	21375	1RB#38	20.30	PASS
Band7	15MHz	16QAM	21375	1RB#38	20.16	PASS
Band7	15MHz	QPSK	21375	1RB#74	20.43	PASS
Band7	15MHz	16QAM	21375	1RB#74	20.27	PASS
Band7	15MHz	QPSK	21375	38RB#0	20.32	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.32	PASS

Band7	15MHz	QPSK	21375	38RB#18	20.32	PASS
Band7	15MHz	16QAM	21375	38RB#18	20.34	PASS
Band7	15MHz	QPSK	21375	38RB#37	20.36	PASS
Band7	15MHz	16QAM	21375	38RB#37	20.32	PASS
Band7	15MHz	QPSK	21375	75RB#0	20.32	PASS
Band7	15MHz	16QAM	21375	75RB#0	20.35	PASS
Band7	20MHz	QPSK	20850	1RB#0	22.35	PASS
Band7	20MHz	16QAM	20850	1RB#0	21.16	PASS
Band7	20MHz	QPSK	20850	1RB#49	22.47	PASS
Band7	20MHz	16QAM	20850	1RB#49	21.17	PASS
Band7	20MHz	QPSK	20850	1RB#99	22.52	PASS
Band7	20MHz	16QAM	20850	1RB#99	21.27	PASS
Band7	20MHz	QPSK	20850	50RB#0	21.42	PASS
Band7	20MHz	16QAM	20850	50RB#0	20.40	PASS
Band7	20MHz	QPSK	20850	50RB#25	21.42	PASS
Band7	20MHz	16QAM	20850	50RB#25	20.39	PASS
Band7	20MHz	QPSK	20850	50RB#50	21.39	PASS
Band7	20MHz	16QAM	20850	50RB#50	20.38	PASS
Band7	20MHz	QPSK	20850	100RB#0	21.38	PASS
Band7	20MHz	16QAM	20850	100RB#0	20.35	PASS
Band7	20MHz	QPSK	21100	1RB#0	22.31	PASS
Band7	20MHz	16QAM	21100	1RB#0	21.56	PASS
Band7	20MHz	QPSK	21100	1RB#49	22.33	PASS
Band7	20MHz	16QAM	21100	1RB#49	21.52	PASS
Band7	20MHz	QPSK	21100	1RB#99	22.22	PASS
Band7	20MHz	16QAM	21100	1RB#99	21.31	PASS
Band7	20MHz	QPSK	21100	50RB#0	21.39	PASS
Band7	20MHz	16QAM	21100	50RB#0	20.39	PASS
Band7	20MHz	QPSK	21100	50RB#25	21.38	PASS
Band7	20MHz	16QAM	21100	50RB#25	20.39	PASS
Band7	20MHz	QPSK	21100	50RB#50	21.33	PASS
Band7	20MHz	16QAM	21100	50RB#50	20.32	PASS
Band7	20MHz	QPSK	21100	100RB#0	21.33	PASS
Band7	20MHz	16QAM	21100	100RB#0	20.33	PASS
Band7	20MHz	QPSK	21350	1RB#0	22.06	PASS
Band7	20MHz	16QAM	21350	1RB#0	21.03	PASS
Band7	20MHz	QPSK	21350	1RB#49	22.21	PASS
Band7	20MHz	16QAM	21350	1RB#49	21.18	PASS
Band7	20MHz	QPSK	21350	1RB#99	22.37	PASS
Band7	20MHz	16QAM	21350	1RB#99	21.42	PASS
Band7	20MHz	QPSK	21350	50RB#0	21.31	PASS
Band7	20MHz	16QAM	21350	50RB#0	20.36	PASS

Band7	20MHz	QPSK	21350	50RB#25	21.32	PASS
Band7	20MHz	16QAM	21350	50RB#25	20.36	PASS
Band7	20MHz	QPSK	21350	50RB#50	21.39	PASS
Band7	20MHz	16QAM	21350	50RB#50	20.41	PASS
Band7	20MHz	QPSK	21350	100RB#0	21.33	PASS
Band7	20MHz	16QAM	21350	100RB#0	20.35	PASS

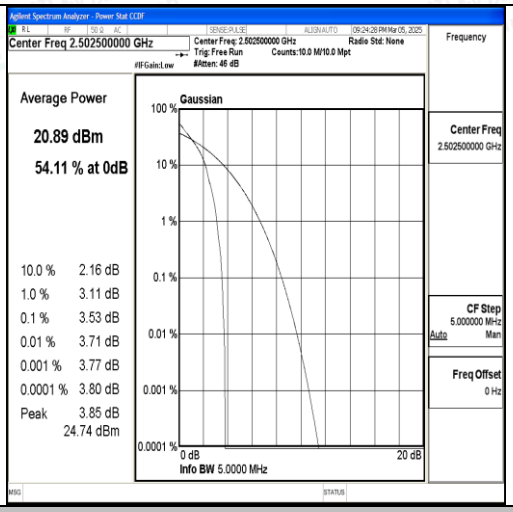
K.2 Peak-to-Average Ratio(CCDF)

Test Result

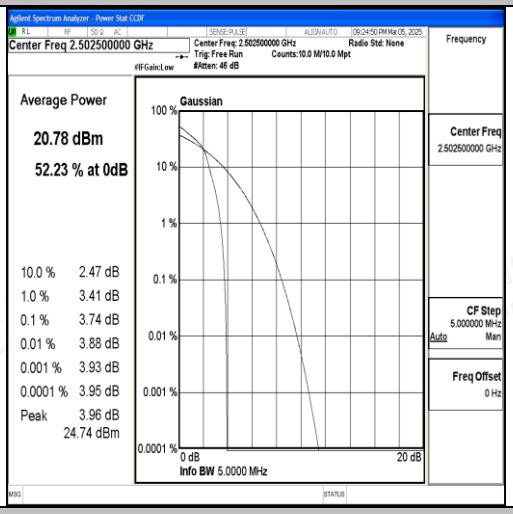
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	3.53	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	3.74	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.69	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.36	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	3.42	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	4.26	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.88	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.57	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	3.33	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.56	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.05	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.36	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	2.77	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	3.76	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.68	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.41	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	3.57	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.45	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.85	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.57	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	3.20	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.13	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.85	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.49	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	2.80	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	3.81	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	4.98	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.58	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	3.69	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	4.61	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.13	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.73	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	2.95	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	3.96	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.04	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.65	13	PASS

Band7	20MHz	QPSK	20850	1RB#0	2.85	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	3.71	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	4.76	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.52	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	3.73	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	4.49	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.83	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.60	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	2.72	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	3.61	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.70	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.47	13	PASS

Test Graphs



Band7-5MHz-QPSK-20775-1RB#0-PASS



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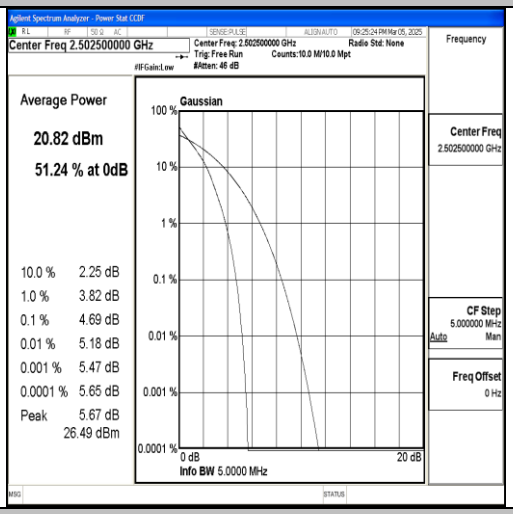

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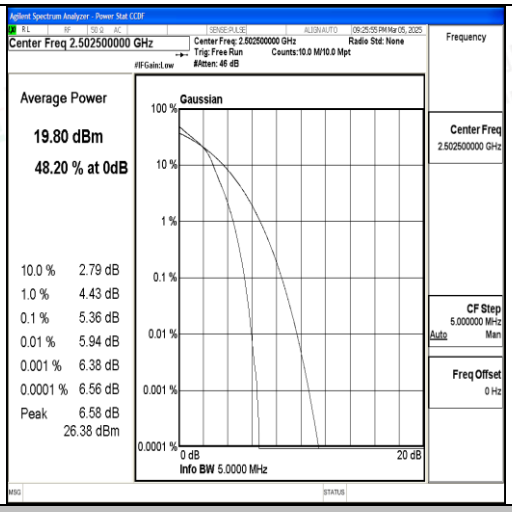

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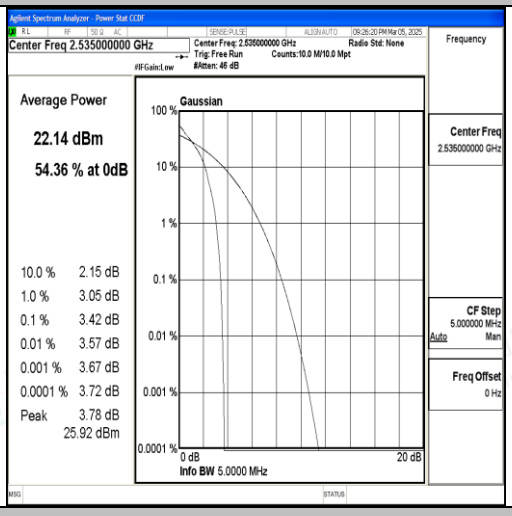

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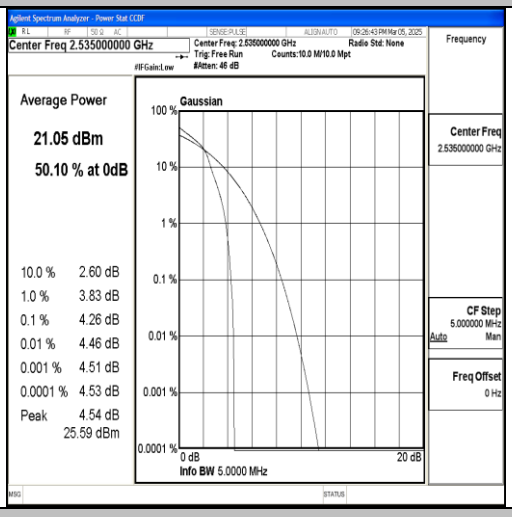

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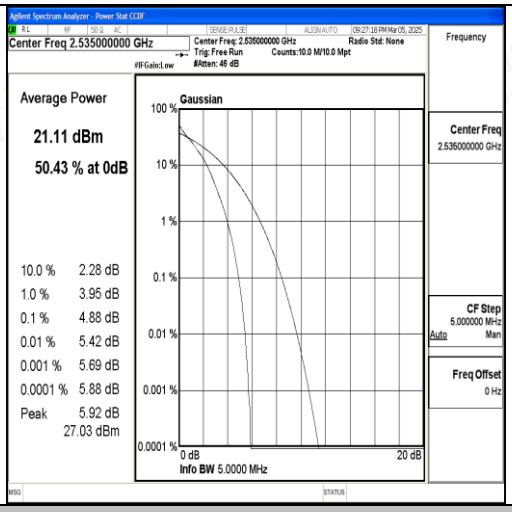

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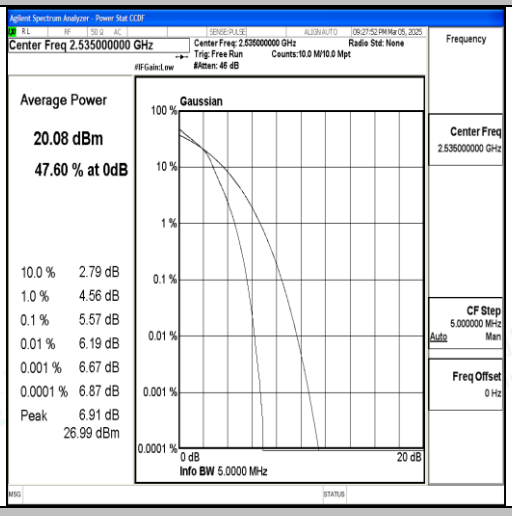

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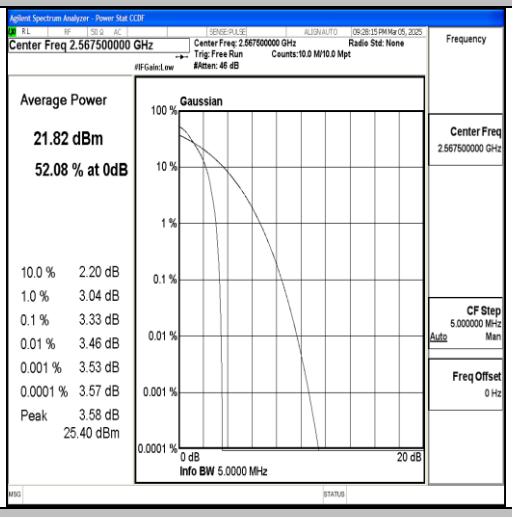

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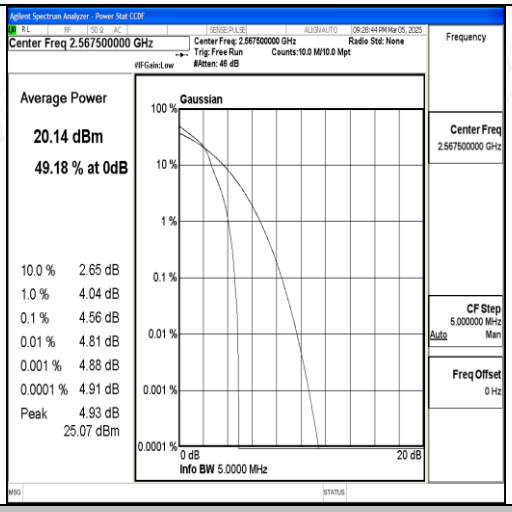

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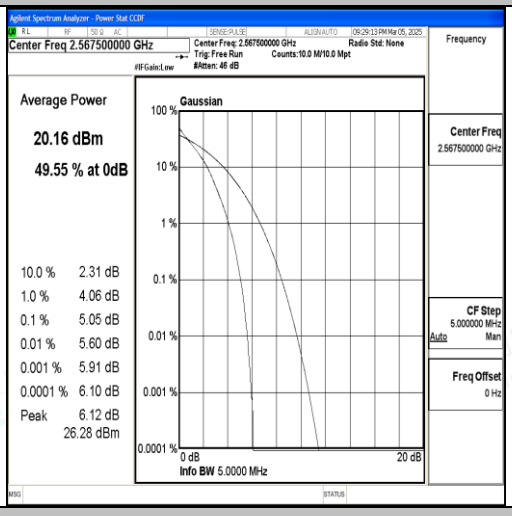

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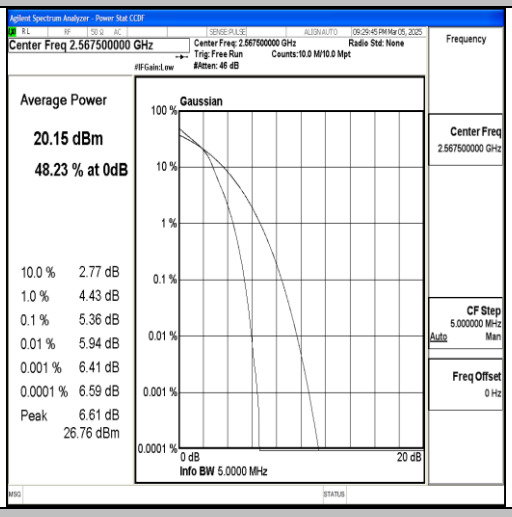

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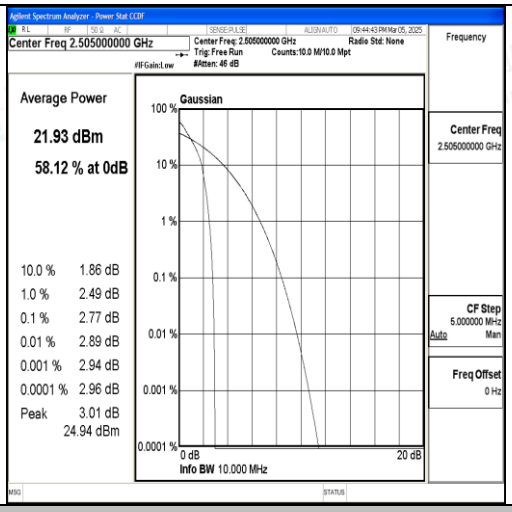

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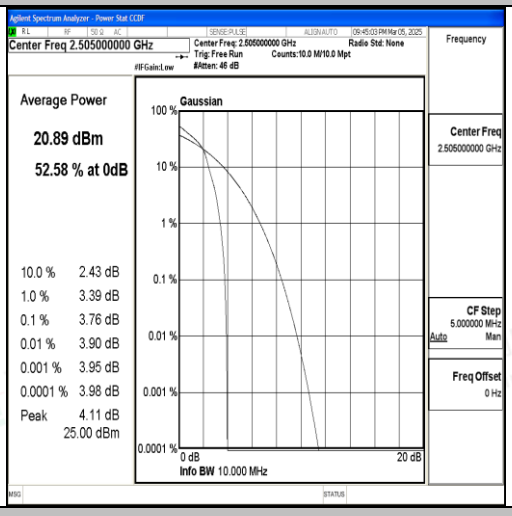

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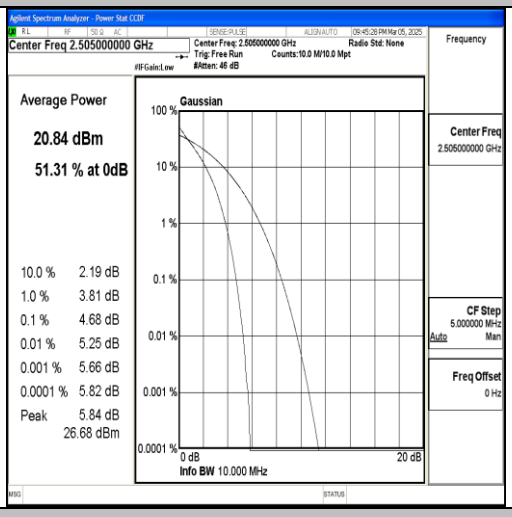

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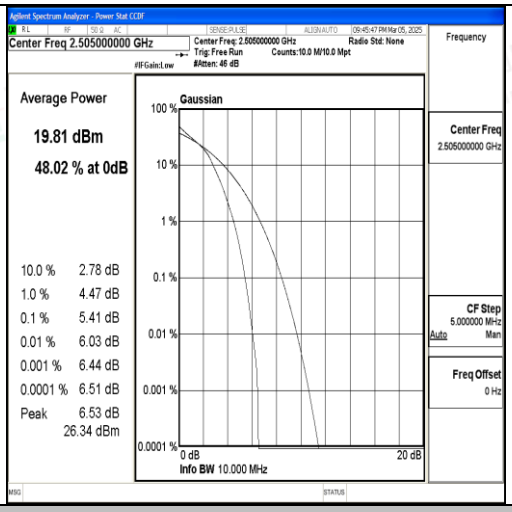

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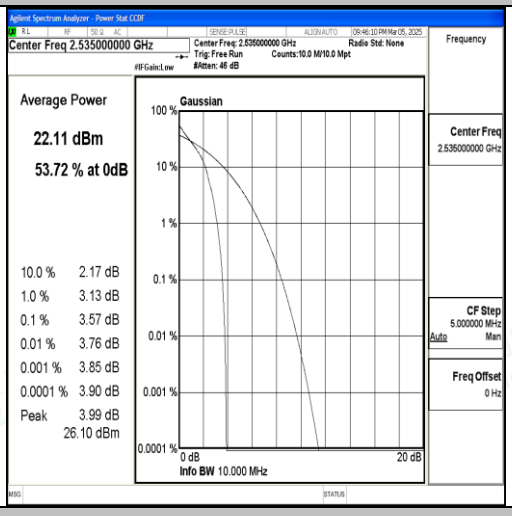

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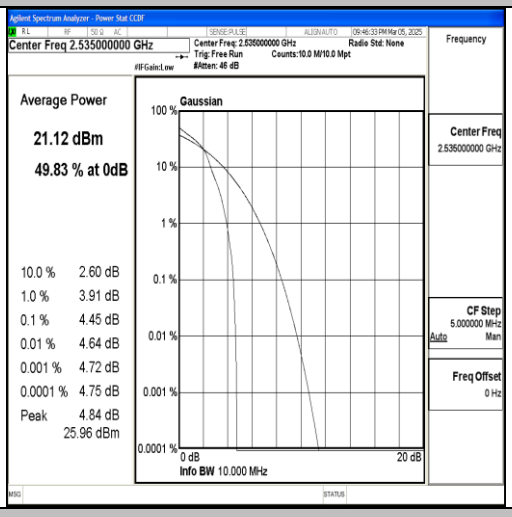

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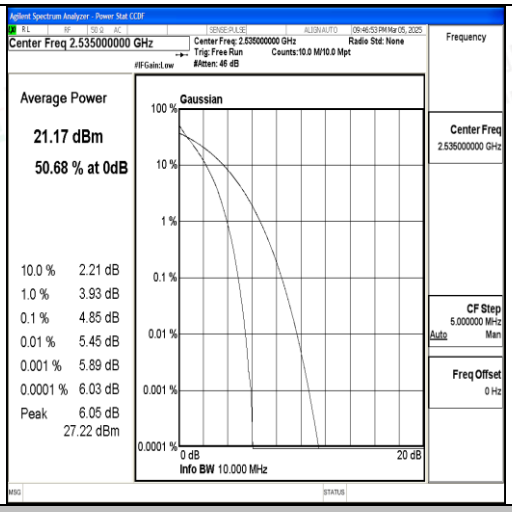

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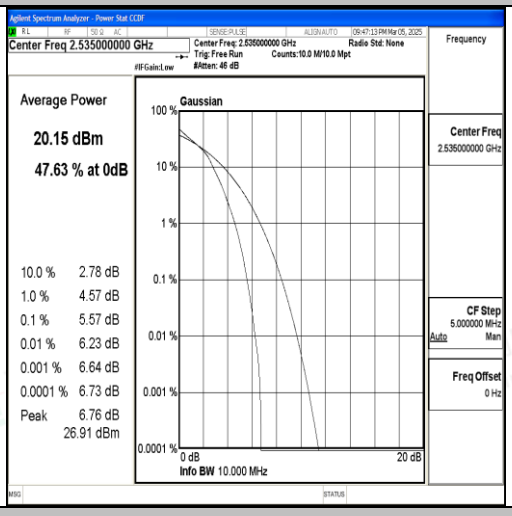

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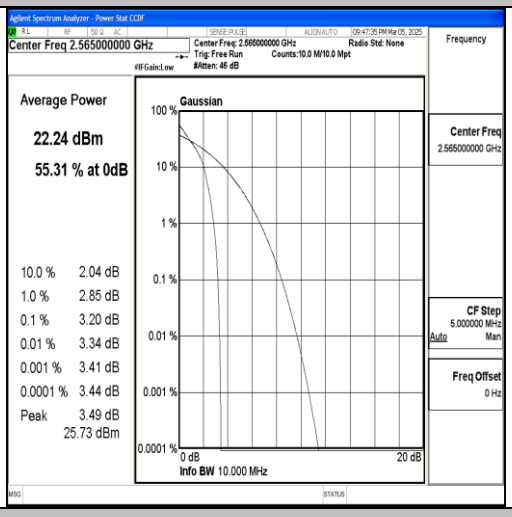

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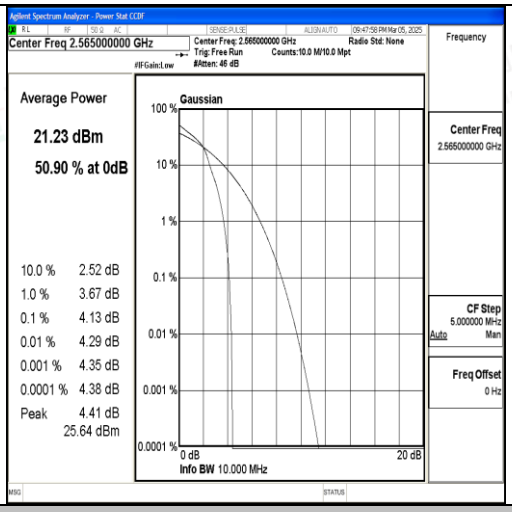

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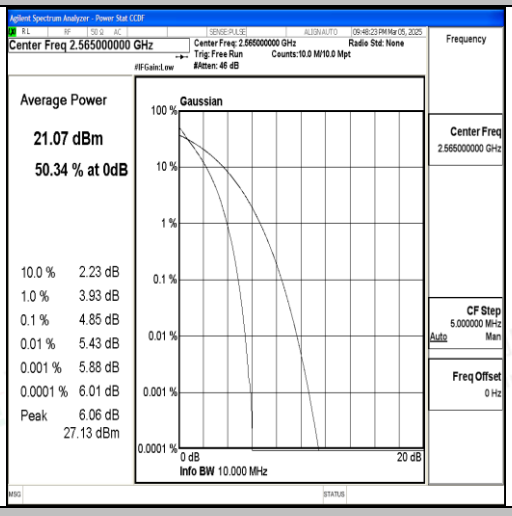

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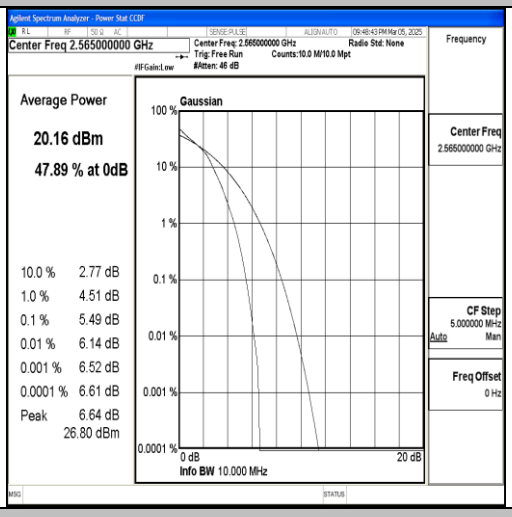

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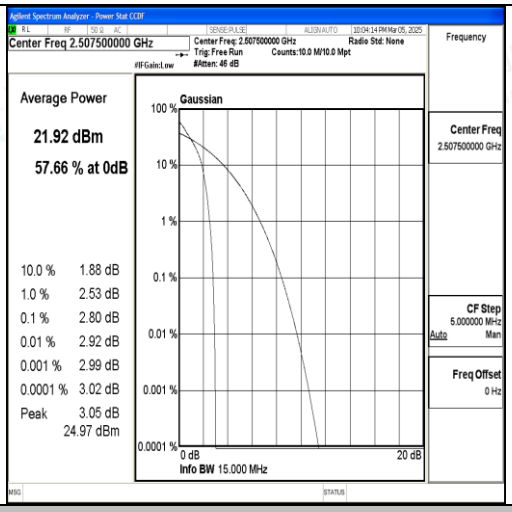

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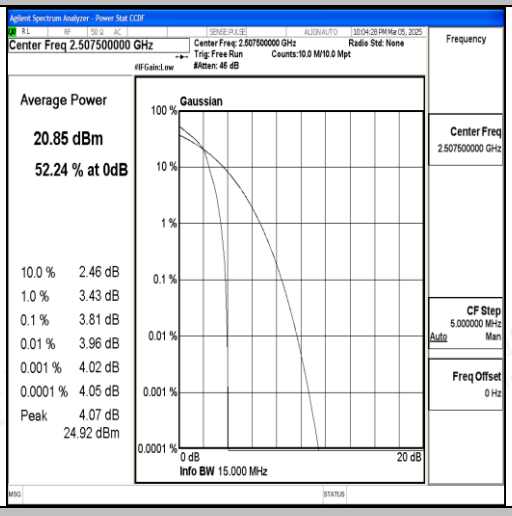

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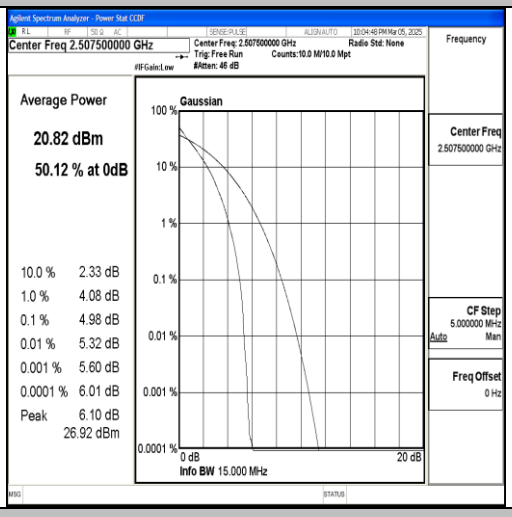

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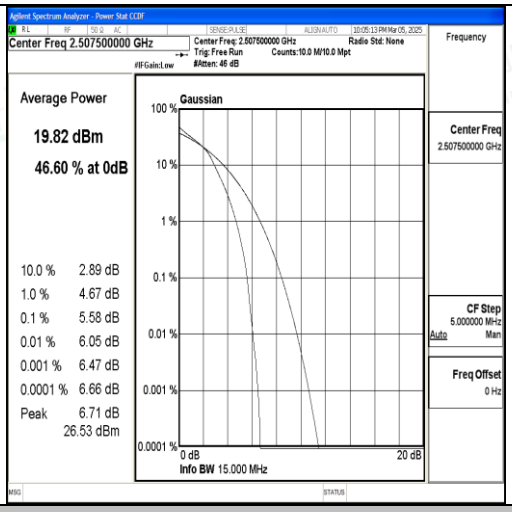

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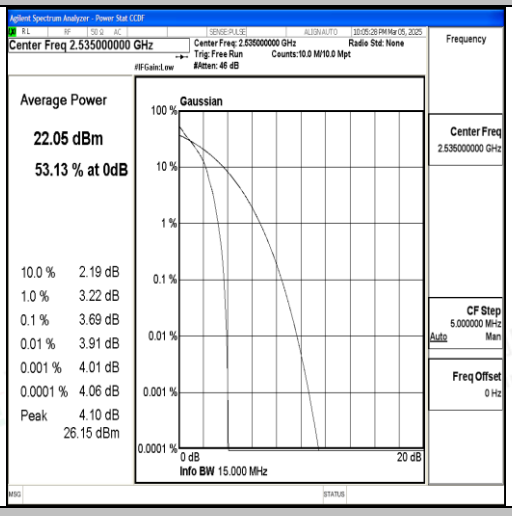

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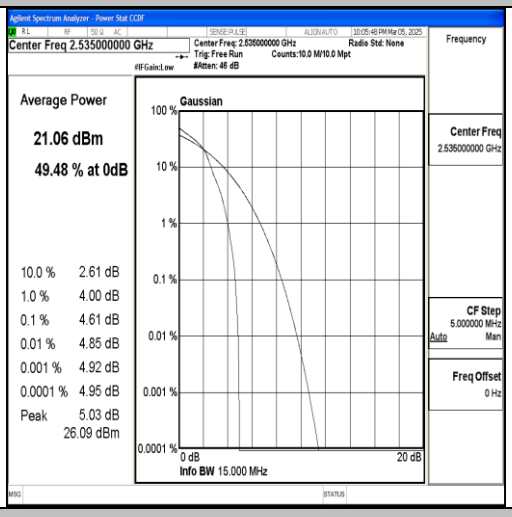

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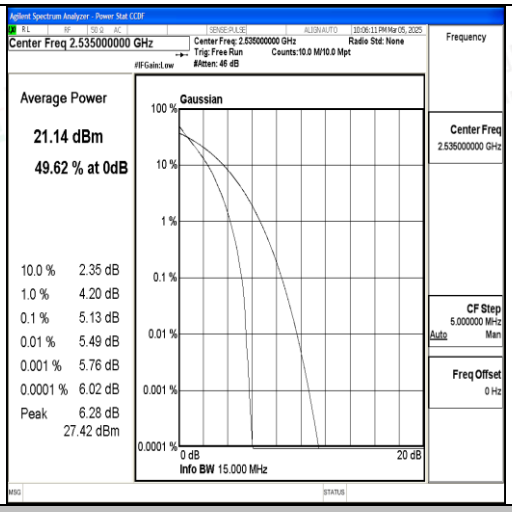

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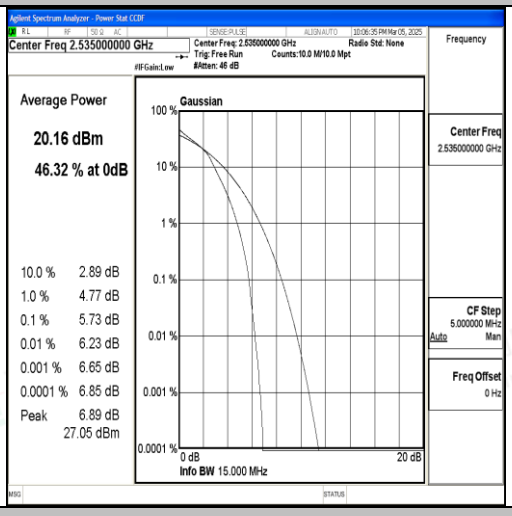

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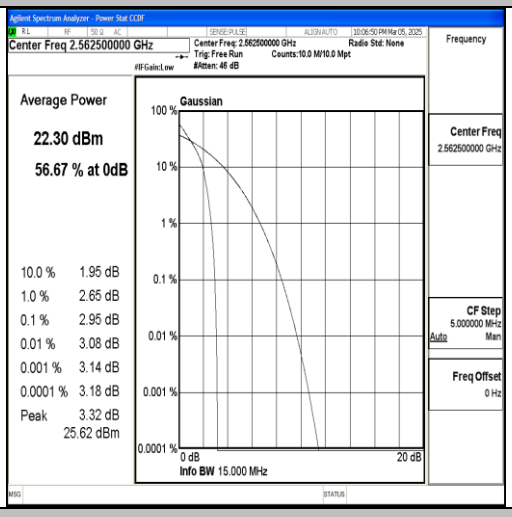

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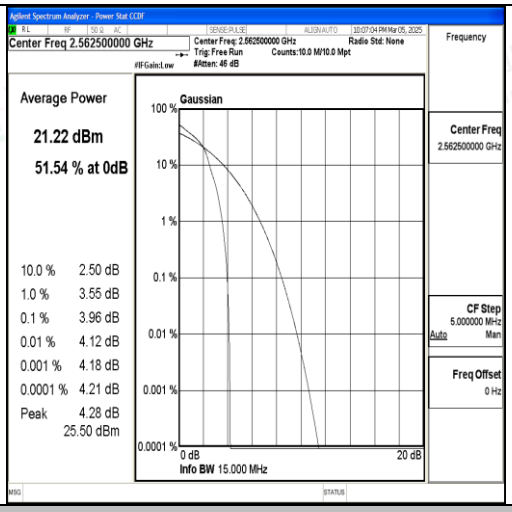

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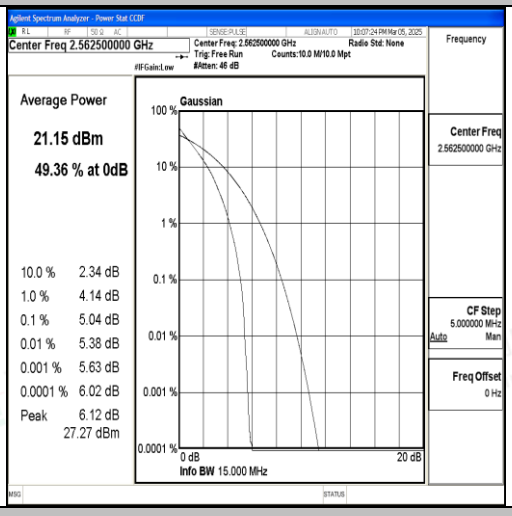

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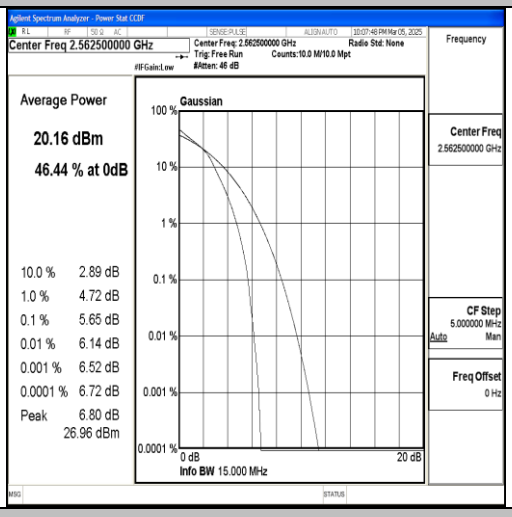

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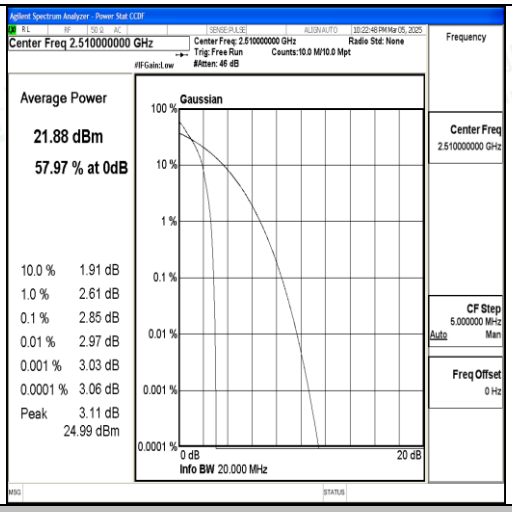
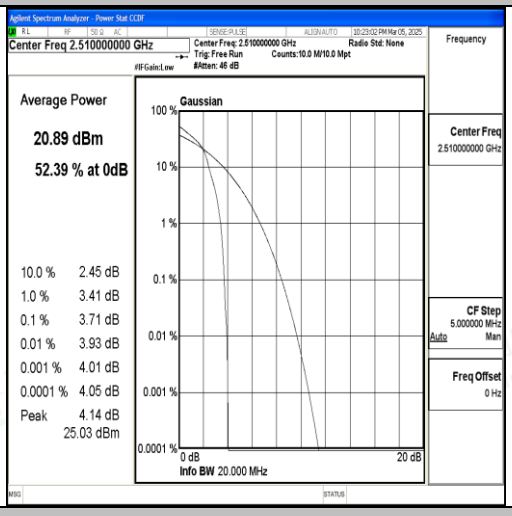


Band7-20MHz-QPSK-20850-1RB#0-PASS



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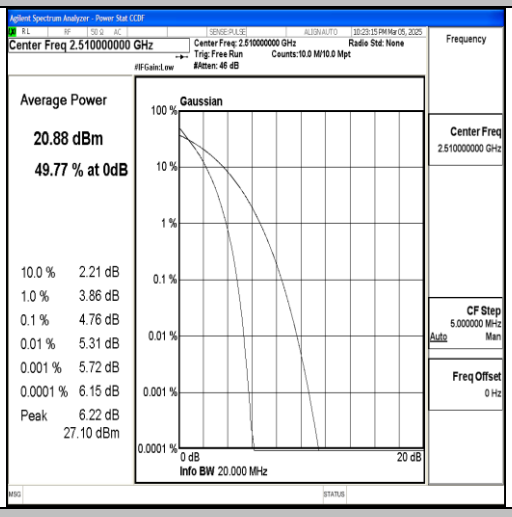

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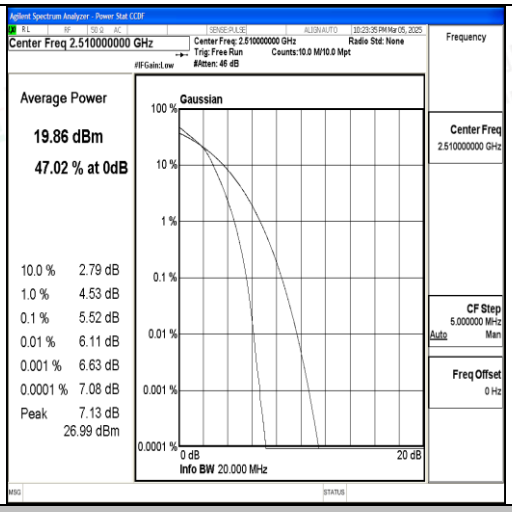

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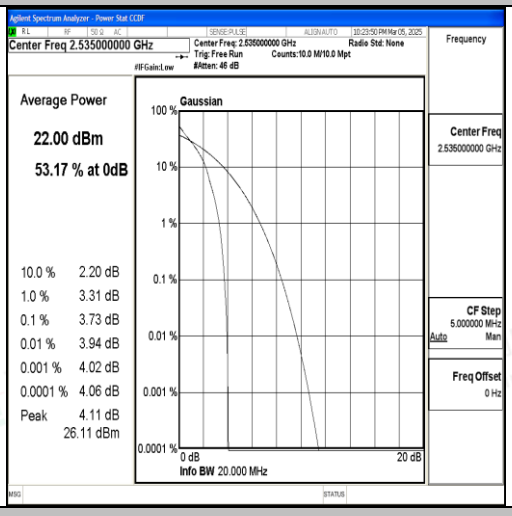

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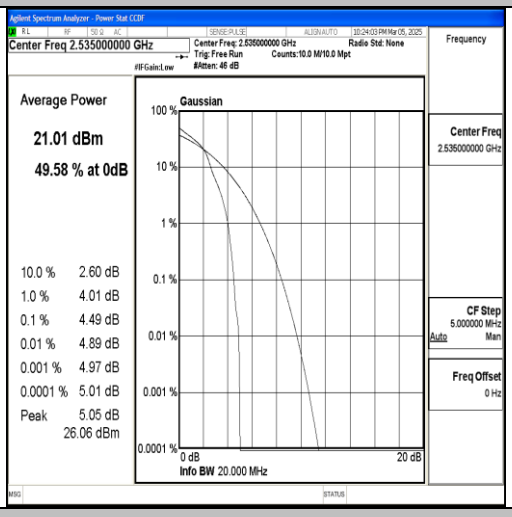

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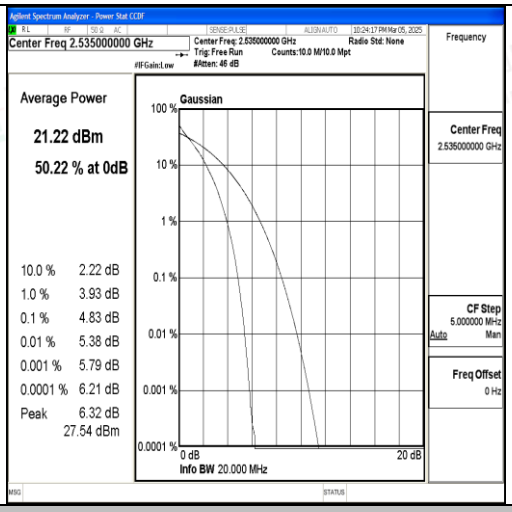

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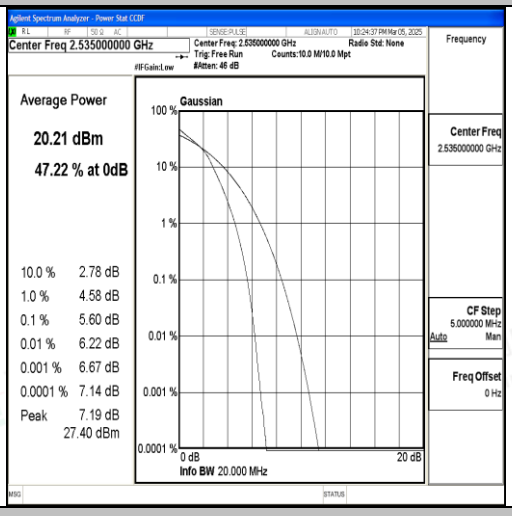

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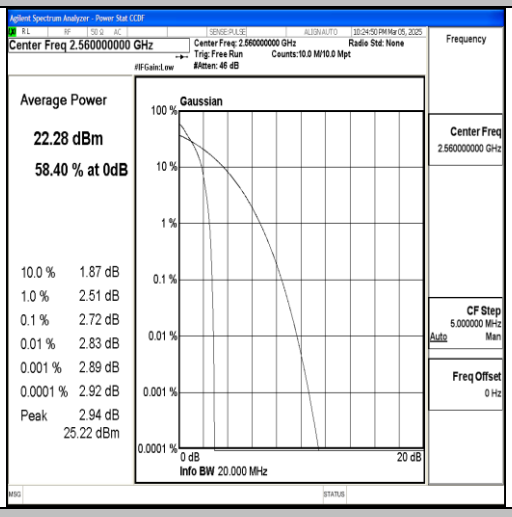

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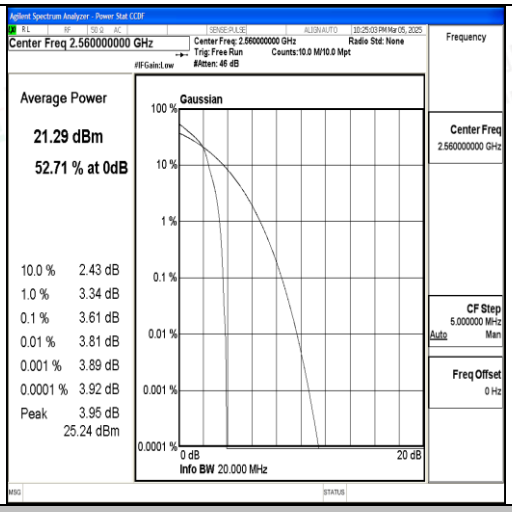

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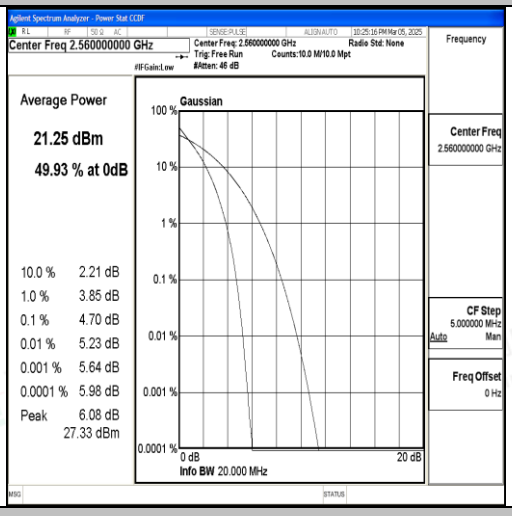
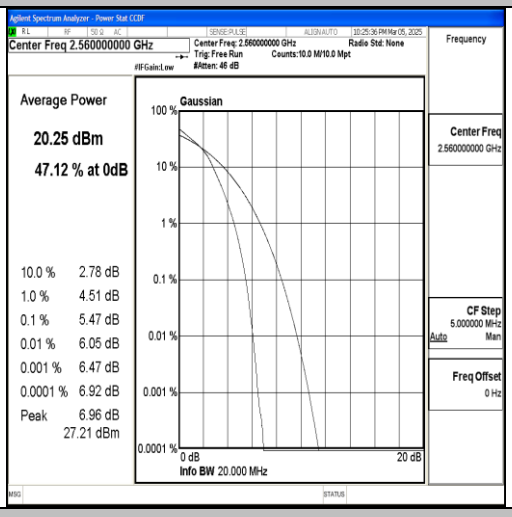


Band7-20MHz-QPSK-21350-100RB#0-PASS



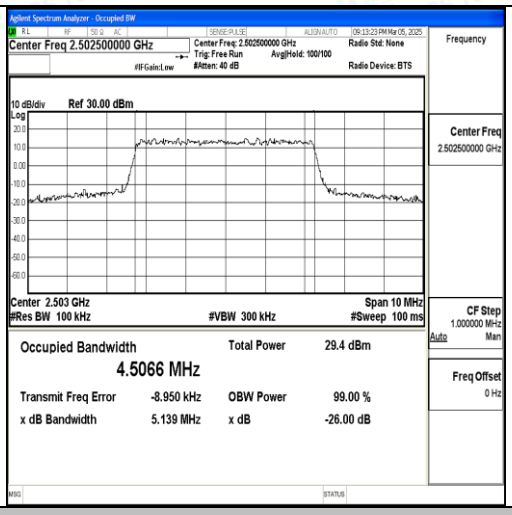
Band7-20MHz-16QAM-21350-100RB#0-PASS

K.3 26dB Bandwidth and Occupied Bandwidth

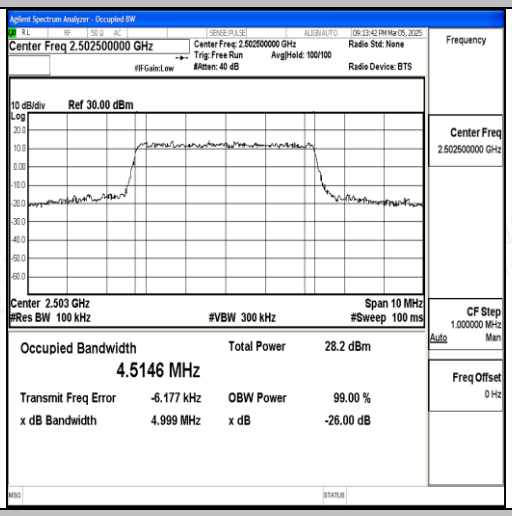
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5066	5.139	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5146	4.999	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.5049	4.983	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5021	5.036	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5063	4.957	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5191	5.378	PASS
Band7	10MHz	QPSK	20800	50RB#0	9.0041	9.924	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9881	9.831	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9972	9.959	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9944	9.805	PASS
Band7	10MHz	QPSK	21400	50RB#0	9.0243	9.880	PASS
Band7	10MHz	16QAM	21400	50RB#0	9.0158	9.871	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.502	14.82	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.499	14.82	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.512	14.71	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.514	14.66	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.506	14.82	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.500	14.80	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.937	19.40	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.931	19.41	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.974	19.47	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.982	19.46	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.979	19.55	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.957	19.46	PASS

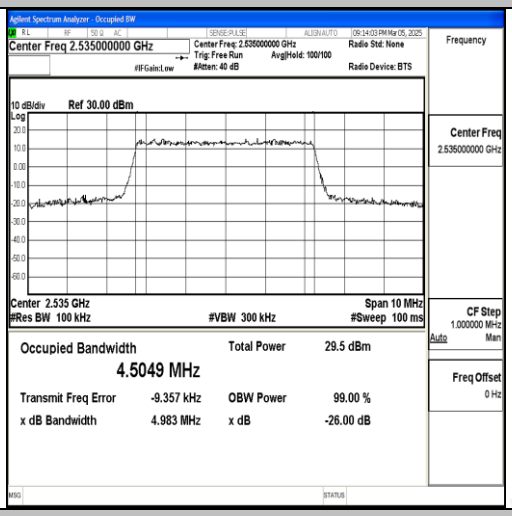
Test Graphs



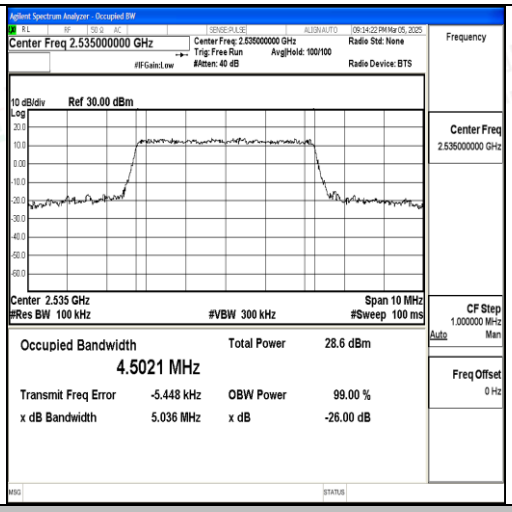
Band7-5MHz-QPSK-20775-25RB#0-PASS



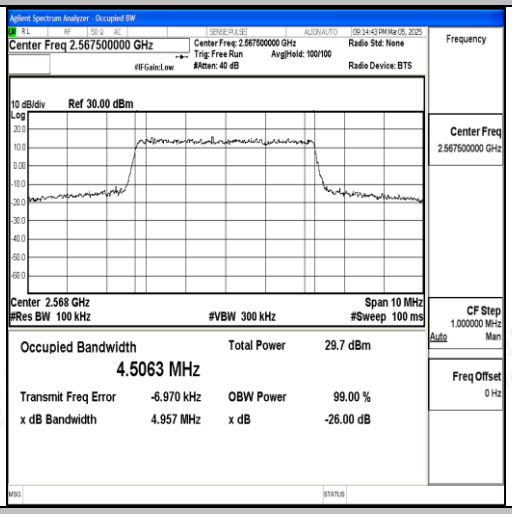
Band7-5MHz-16QAM-20775-25RB#0-PASS



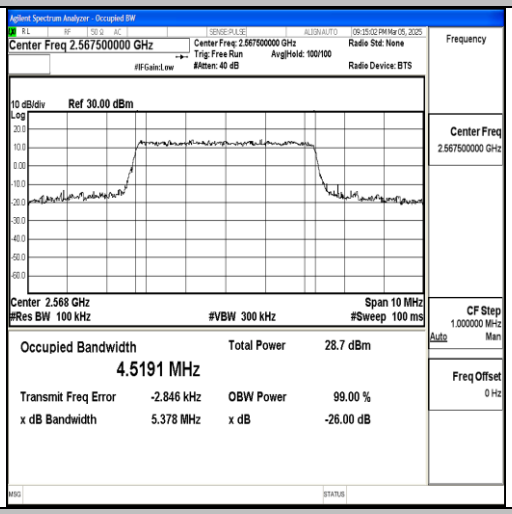
Band7-5MHz-QPSK-21100-25RB#0-PASS



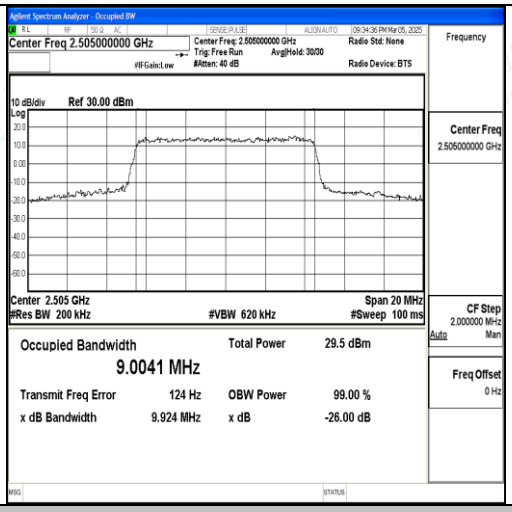
Band7-5MHz-16QAM-21100-25RB#0-PASS



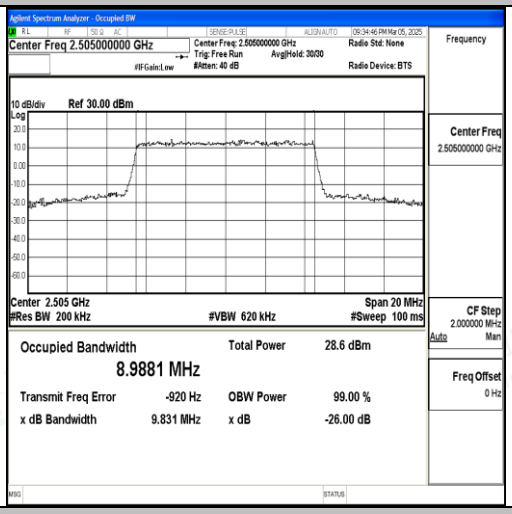
Band7-5MHz-QPSK-21425-25RB#0-PASS



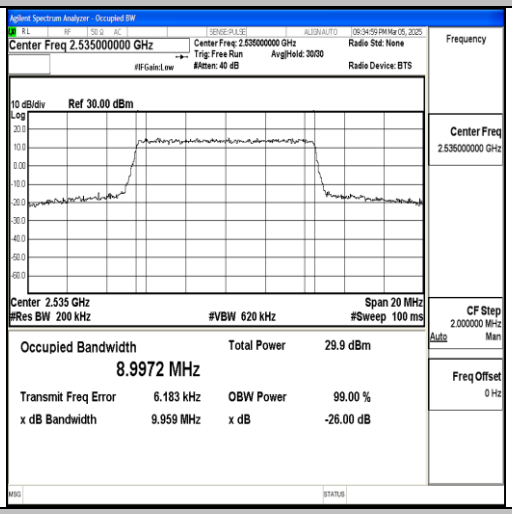
Band7-5MHz-16QAM-21425-25RB#0-PASS



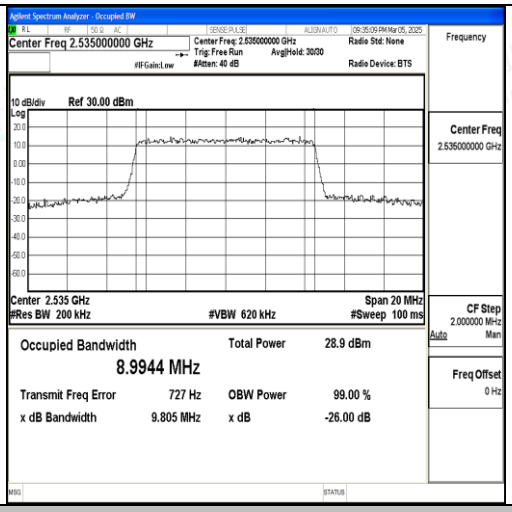
Band7-10MHz-QPSK-20800-50RB#0-PASS



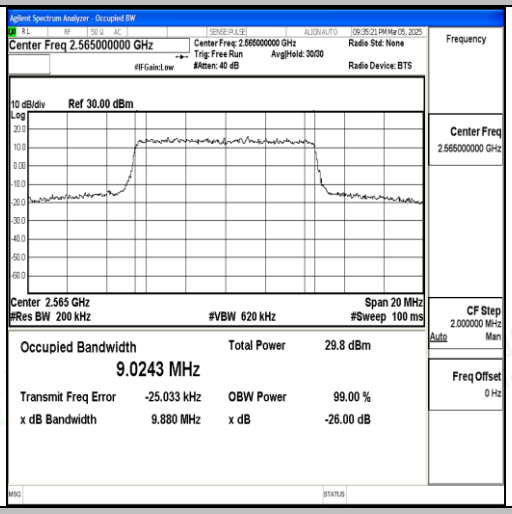
Band7-10MHz-16QAM-20800-50RB#0-PASS



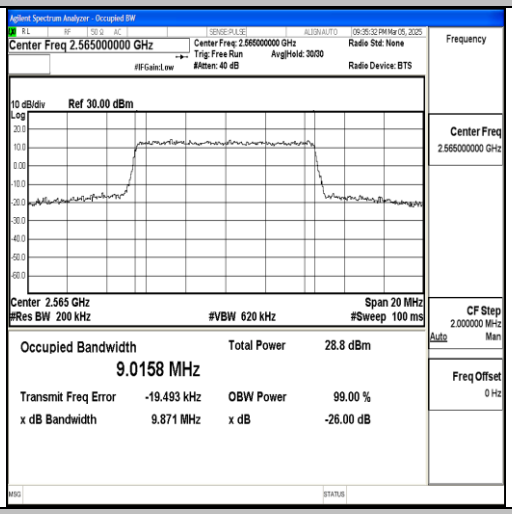
Band7-10MHz-QPSK-21100-50RB#0-PASS



Band7-10MHz-16QAM-21100-50RB#0-PASS



Band7-10MHz-QPSK-21400-50RB#0-PASS



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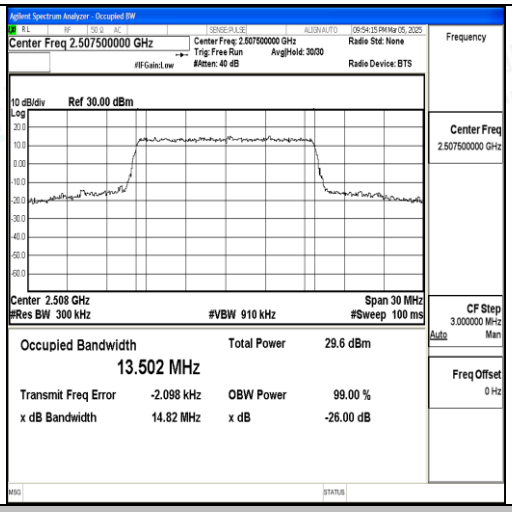
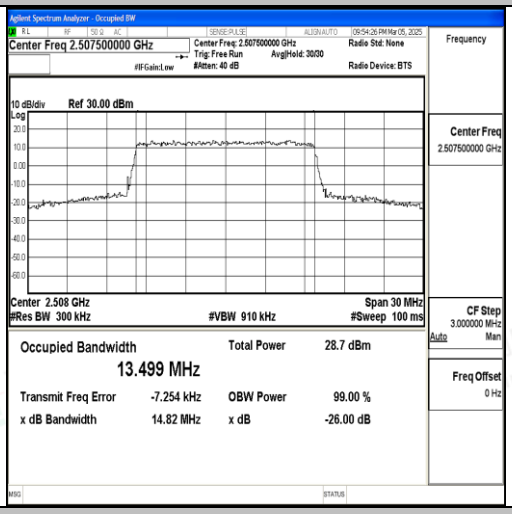
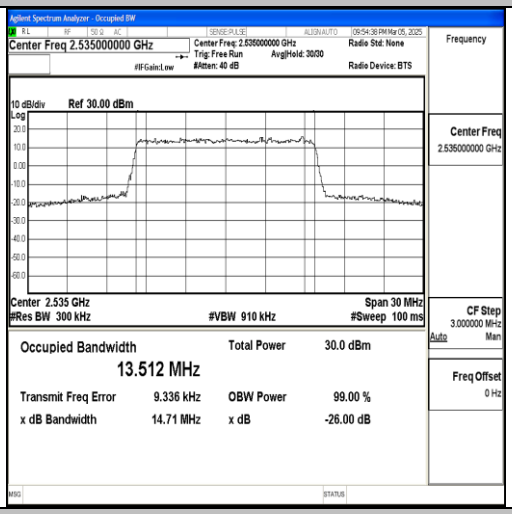


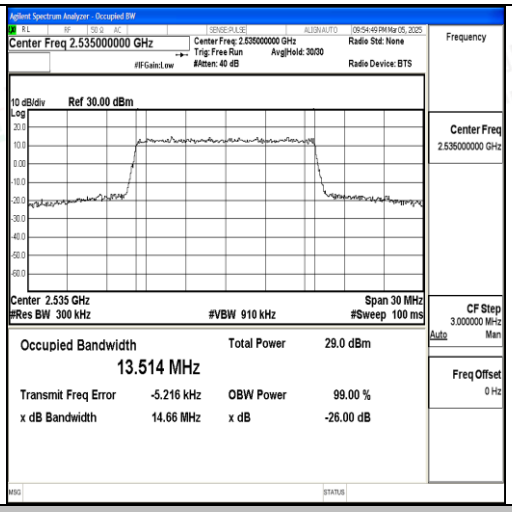
Band7-15MHz-QPSK-20825-75RB#0-PASS



Band7-15MHz-16QAM-20825-75RB#0-PASS



Band7-15MHz-QPSK-21100-75RB#0-PASS



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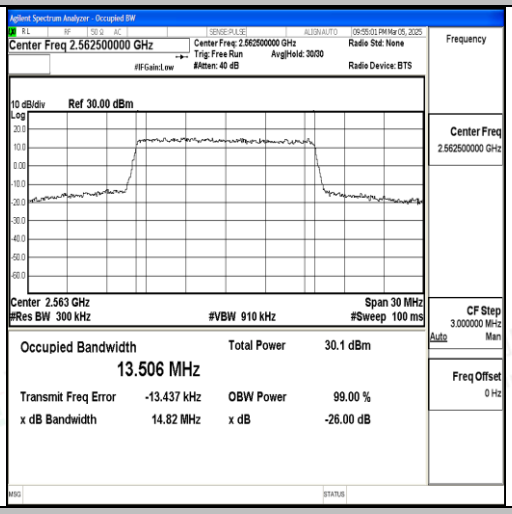
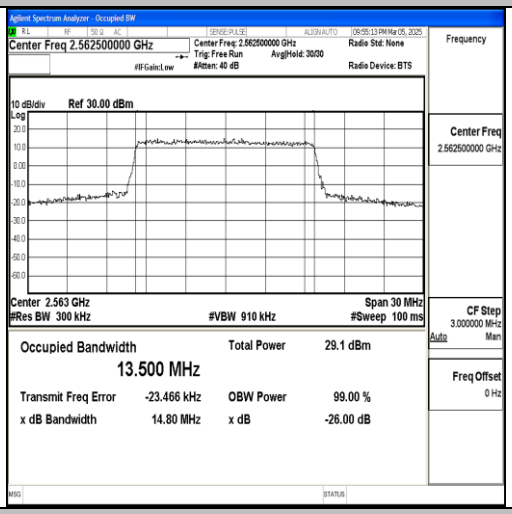
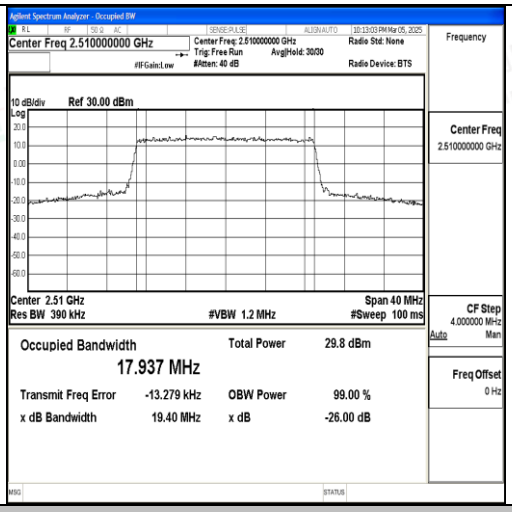


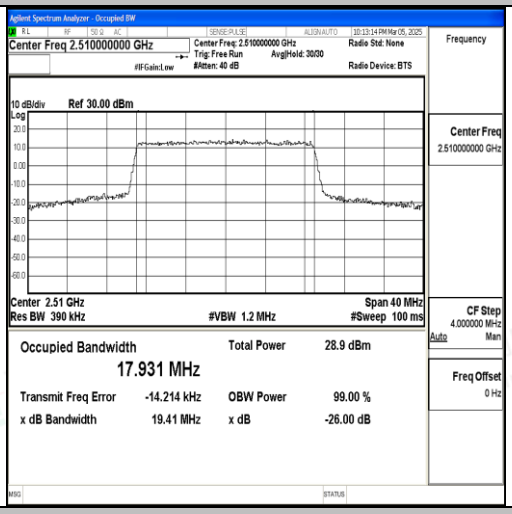
Band7-15MHz-QPSK-21375-75RB#0-PASS



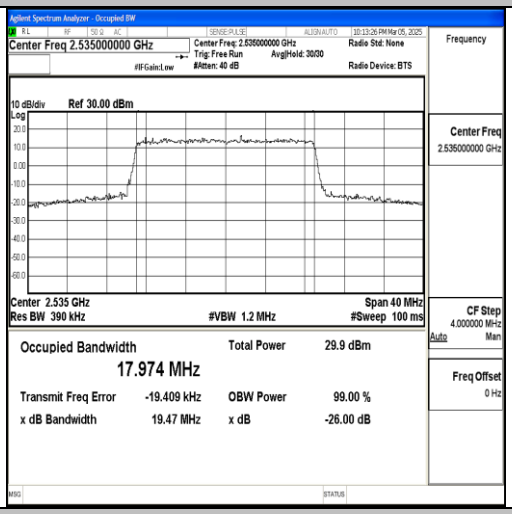
Band7-15MHz-16QAM-21375-75RB#0-PASS



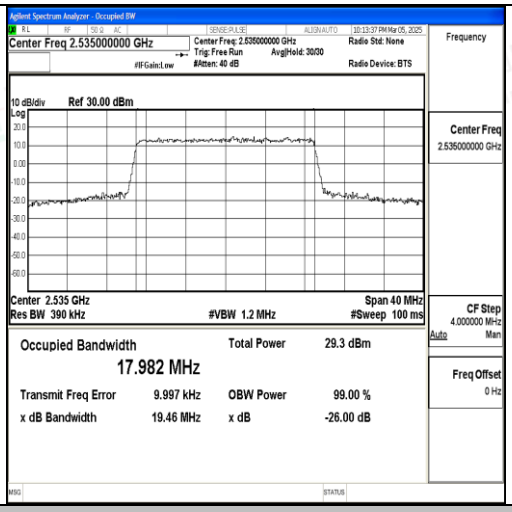
Band7-20MHz-QPSK-20850-100RB#0-PASS



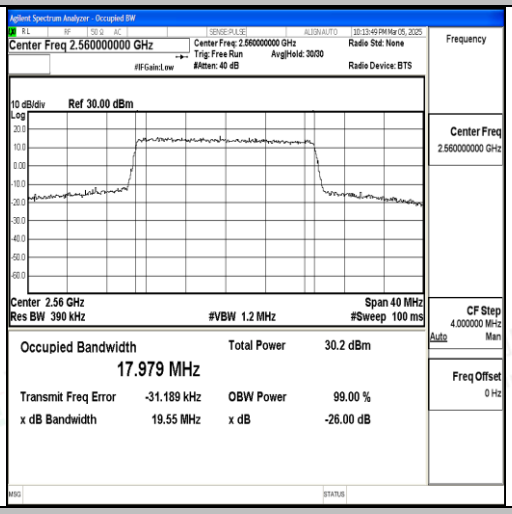
Band7-20MHz-16QAM-20850-100RB#0-PASS



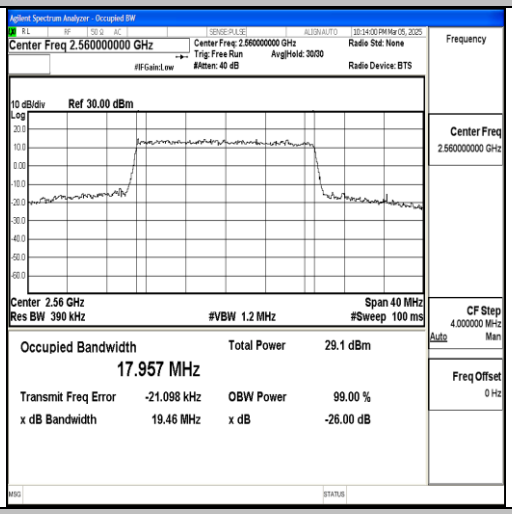
Band7-20MHz-QPSK-21100-100RB#0-PASS



Band7-20MHz-16QAM-21100-100RB#0-PASS



Band7-20MHz-QPSK-21350-100RB#0-PASS



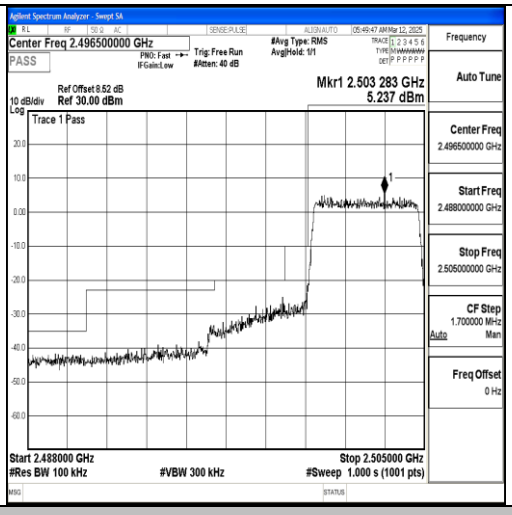
Band7-20MHz-16QAM-21350-100RB#0-PASS

K.4 Band Edge

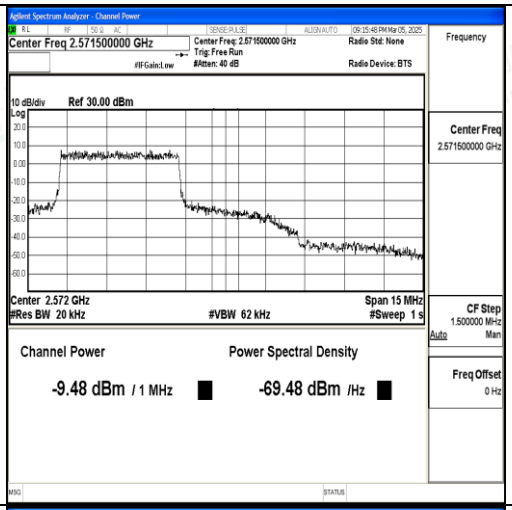
Test Result

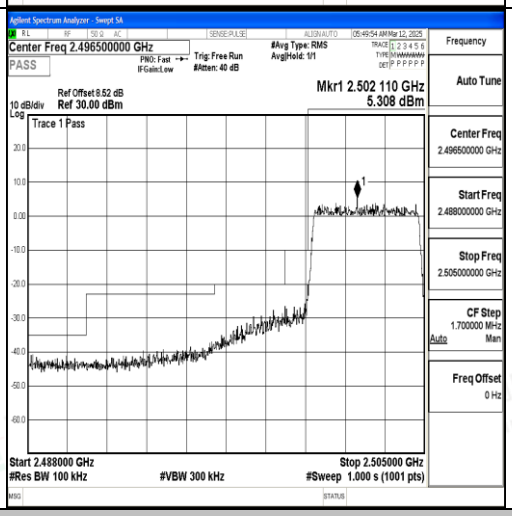
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band7	5MHz	16QAM	20775	25RB#0	2488.24	-40.73	PASS
Band7	5MHz	QPSK	21425	25RB#0	2576.54	-38.10	PASS
Band7	5MHz	16QAM	21425	25RB#0	2577.02	-40.54	PASS
Band7	10MHz	QPSK	20800	50RB#0	2488.65	-37.80	PASS
Band7	20MHz	QPSK	20850	100RB#0	2498.40	-14.39	PASS
Band7	20MHz	16QAM	20850	100RB#0	2494.71	-18.37	PASS
Band7	20MHz	QPSK	21350	100RB#0	2575.56	-17.27	PASS
Band7	20MHz	16QAM	21350	100RB#0	2571.11	-14.97	PASS
Band7	15MHz	16QAM	21375	75RB#0	2586.61	-35.65	PASS
Band7	10MHz	16QAM	20800	50RB#0	2485.70	-36.85	PASS
Band7	10MHz	QPSK	21400	50RB#0	2584.45	-36.42	PASS
Band7	10MHz	16QAM	21400	50RB#0	2580.83	-37.42	PASS
Band7	15MHz	QPSK	20825	75RB#0	2481.51	-35.16	PASS
Band7	15MHz	16QAM	20825	75RB#0	2484.69	-35.39	PASS
Band7	15MHz	QPSK	21375	75RB#0	2589.23	-35.94	PASS

Test Graphs

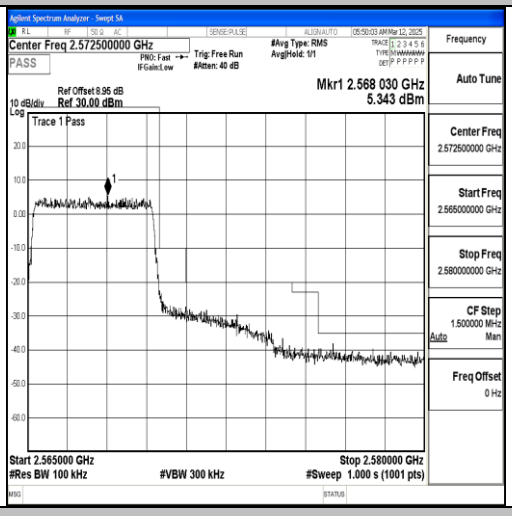


Band7_5MHz_QPSK_20775_25RB#0

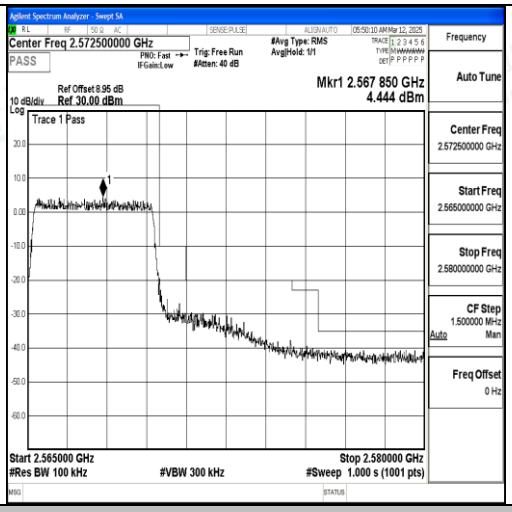




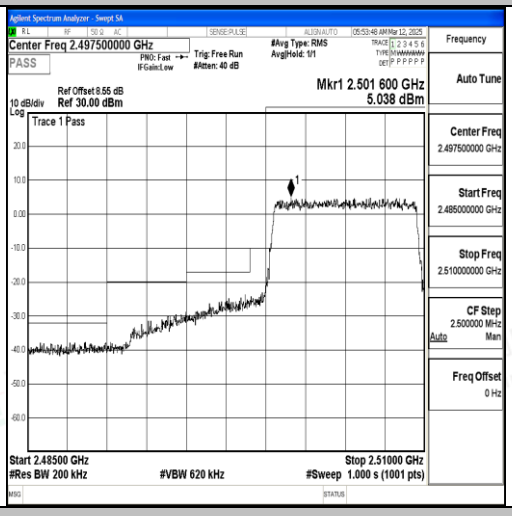
Band7_5MHz_16QAM_20775_25RB#0



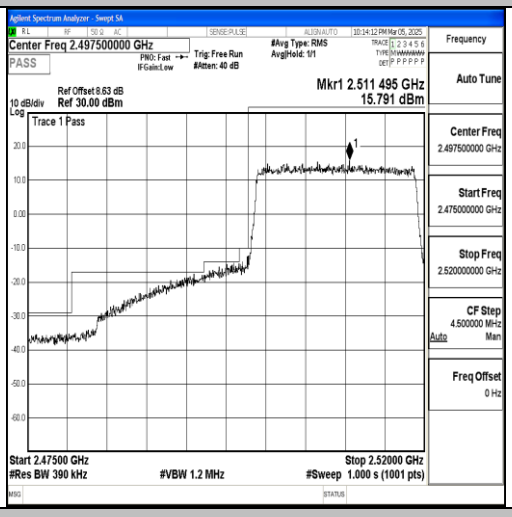
Band7_5MHz_QPSK_21425_25RB#0



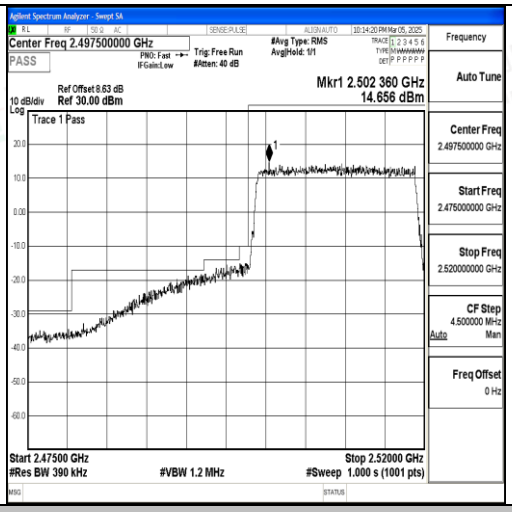
Band7_5MHz_16QAM_21425_25RB#0



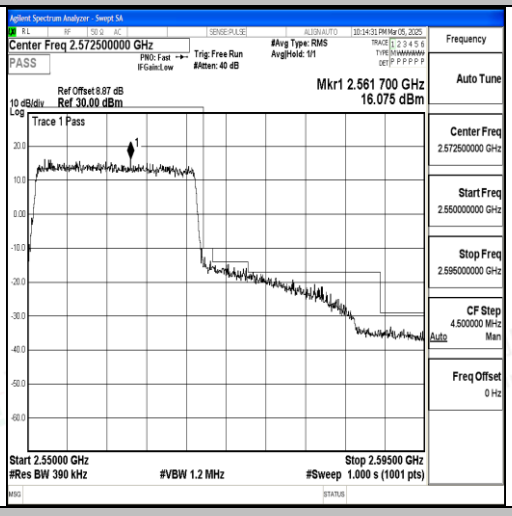
Band7_10MHz_QPSK_20800_50RB#0



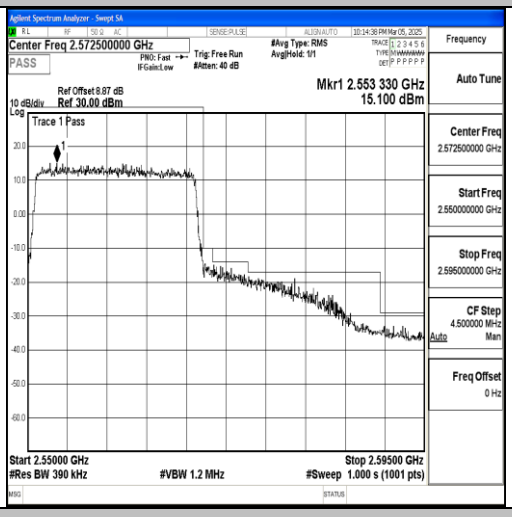
Band7_20MHz_QPSK_20850_100RB#0



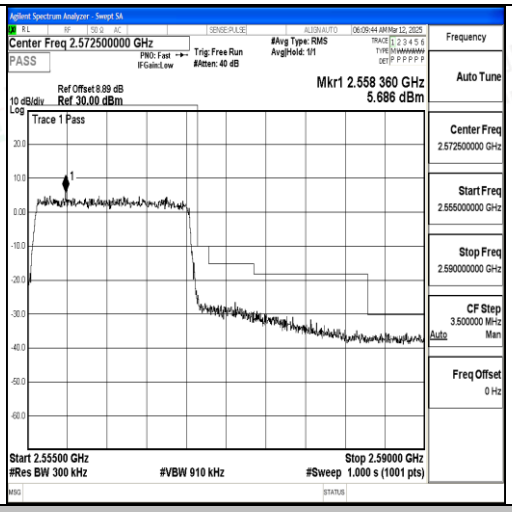
Band7_20MHz_16QAM_20850_100RB#0



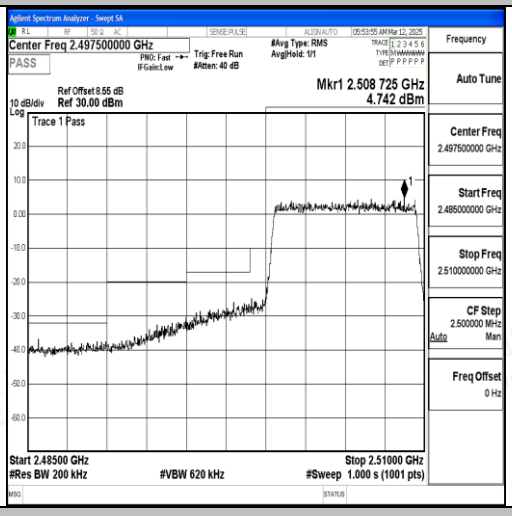
Band7_20MHz_QPSK_21350_100RB#0



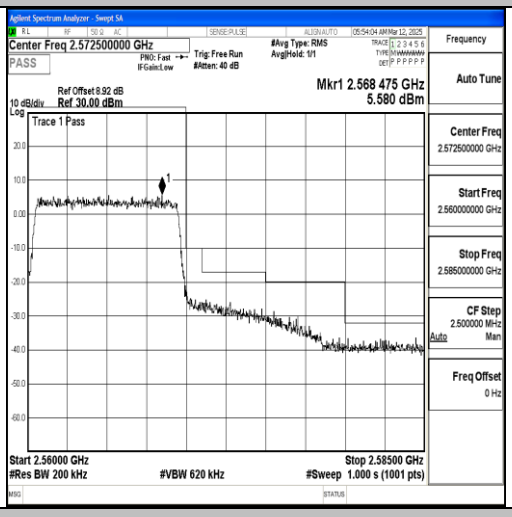
Band7_20MHz_16QAM_21350_100RB#0



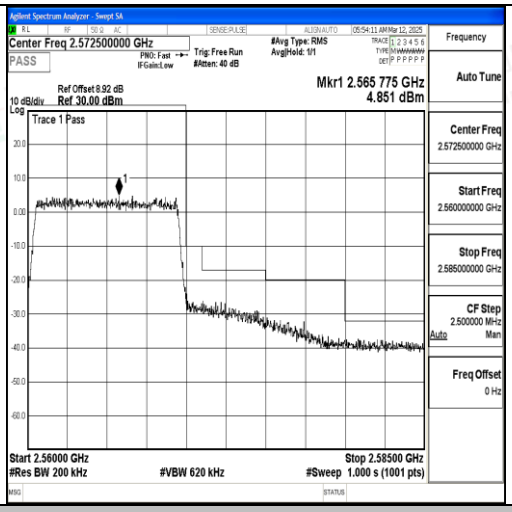
Band7_15MHz_16QAM_21375_75RB#0



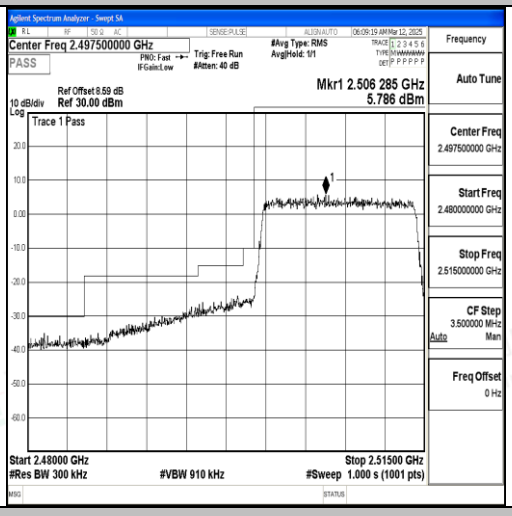
Band7_10MHz_16QAM_20800_50RB#0



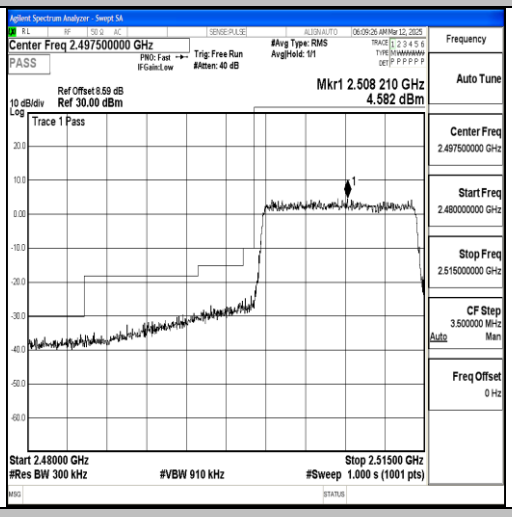
Band7_10MHz_QPSK_21400_50RB#0



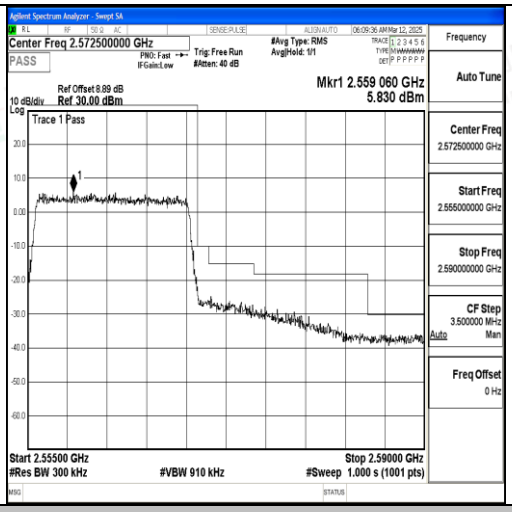
Band7_10MHz_16QAM_21400_50RB#0



Band7_15MHz_QPSK_20825_75RB#0



Band7_15MHz_16QAM_20825_75RB#0



Band7_15MHz_QPSK_21375_75RB#0

K.5 Conducted Spurious Emission

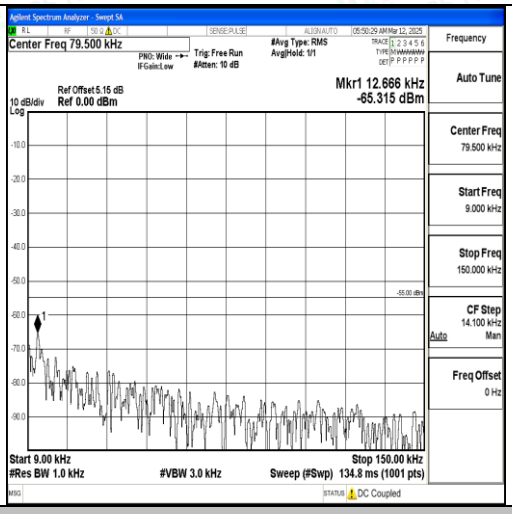
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	0.009~0.15	-65.32	PASS
Band7	5MHz	QPSK	20775	1RB#0	0.15~30	-54.28	PASS
Band7	5MHz	QPSK	20775	1RB#0	30~1000	-53.30	PASS
Band7	5MHz	QPSK	20775	1RB#0	1000~20000	-34.54	PASS
Band7	5MHz	QPSK	20775	1RB#0	20000~27000	-26.72	PASS
Band7	5MHz	16QAM	20775	1RB#0	0.009~0.15	-66.88	PASS
Band7	5MHz	16QAM	20775	1RB#0	0.15~30	-55.67	PASS
Band7	5MHz	16QAM	20775	1RB#0	30~1000	-52.84	PASS
Band7	5MHz	16QAM	20775	1RB#0	1000~20000	-34.66	PASS
Band7	5MHz	16QAM	20775	1RB#0	20000~27000	-26.39	PASS
Band7	5MHz	QPSK	21100	1RB#0	0.009~0.15	-67.45	PASS
Band7	5MHz	QPSK	21100	1RB#0	0.15~30	-56.59	PASS
Band7	5MHz	QPSK	21100	1RB#0	30~1000	-53.07	PASS
Band7	5MHz	QPSK	21100	1RB#0	1000~20000	-34.32	PASS
Band7	5MHz	QPSK	21100	1RB#0	20000~27000	-25.88	PASS
Band7	5MHz	16QAM	21100	1RB#0	0.009~0.15	-68.91	PASS
Band7	5MHz	QPSK	21425	1RB#0	1000~20000	-34.60	PASS
Band7	5MHz	QPSK	21425	1RB#0	20000~27000	-26.13	PASS
Band7	5MHz	16QAM	21425	1RB#0	0.009~0.15	-69.09	PASS
Band7	5MHz	16QAM	21425	1RB#0	0.15~30	-57.14	PASS
Band7	5MHz	16QAM	21425	1RB#0	30~1000	-53.29	PASS
Band7	5MHz	16QAM	21425	1RB#0	1000~20000	-34.12	PASS
Band7	5MHz	16QAM	21425	1RB#0	20000~27000	-26.52	PASS
Band7	10MHz	QPSK	20800	1RB#0	0.009~0.15	-65.97	PASS
Band7	10MHz	QPSK	20800	1RB#0	0.15~30	-53.74	PASS
Band7	10MHz	QPSK	20800	1RB#0	30~1000	-52.72	PASS
Band7	10MHz	QPSK	20800	1RB#0	1000~20000	-34.47	PASS
Band7	10MHz	QPSK	20800	1RB#0	20000~27000	-25.69	PASS
Band7	10MHz	16QAM	20800	1RB#0	0.009~0.15	-67.00	PASS
Band7	10MHz	16QAM	20800	1RB#0	0.15~30	-57.17	PASS
Band7	10MHz	16QAM	20800	1RB#0	30~1000	-53.06	PASS
Band7	10MHz	16QAM	20800	1RB#0	1000~20000	-34.02	PASS
Band7	10MHz	16QAM	20800	1RB#0	20000~27000	-26.82	PASS
Band7	10MHz	QPSK	21100	1RB#0	0.009~0.15	-67.12	PASS
Band7	10MHz	QPSK	21100	1RB#0	0.15~30	-54.33	PASS
Band7	10MHz	QPSK	21100	1RB#0	30~1000	-51.88	PASS

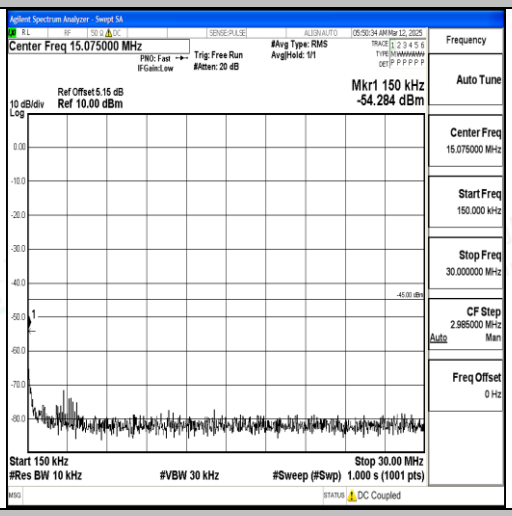
Band7	10MHz	QPSK	21100	1RB#0	1000~20000	-34.59	PASS
Band7	10MHz	QPSK	21100	1RB#0	20000~27000	-26.08	PASS
Band7	10MHz	16QAM	21100	1RB#0	0.009~0.15	-67.61	PASS
Band7	10MHz	16QAM	21100	1RB#0	0.15~30	-57.34	PASS
Band7	10MHz	16QAM	21100	1RB#0	30~1000	-51.20	PASS
Band7	10MHz	16QAM	21100	1RB#0	1000~20000	-34.46	PASS
Band7	10MHz	16QAM	21100	1RB#0	20000~27000	-26.05	PASS
Band7	10MHz	QPSK	21400	1RB#0	0.009~0.15	-70.51	PASS
Band7	10MHz	QPSK	21400	1RB#0	0.15~30	-58.62	PASS
Band7	10MHz	QPSK	21400	1RB#0	30~1000	-52.93	PASS
Band7	10MHz	QPSK	21400	1RB#0	1000~20000	-34.98	PASS
Band7	10MHz	QPSK	21400	1RB#0	20000~27000	-26.69	PASS
Band7	10MHz	16QAM	21400	1RB#0	0.009~0.15	-66.13	PASS
Band7	10MHz	16QAM	21400	1RB#0	0.15~30	-55.10	PASS
Band7	10MHz	16QAM	21400	1RB#0	30~1000	-52.58	PASS
Band7	10MHz	16QAM	21400	1RB#0	1000~20000	-34.61	PASS
Band7	10MHz	16QAM	21400	1RB#0	20000~27000	-25.97	PASS
Band7	15MHz	QPSK	20825	1RB#0	0.009~0.15	-65.97	PASS
Band7	15MHz	QPSK	20825	1RB#0	0.15~30	-57.07	PASS
Band7	15MHz	QPSK	20825	1RB#0	30~1000	-53.36	PASS
Band7	15MHz	QPSK	20825	1RB#0	1000~20000	-34.21	PASS
Band7	15MHz	QPSK	20825	1RB#0	20000~27000	-25.76	PASS
Band7	15MHz	16QAM	20825	1RB#0	0.009~0.15	-66.41	PASS
Band7	15MHz	16QAM	20825	1RB#0	0.15~30	-56.33	PASS
Band7	15MHz	16QAM	20825	1RB#0	30~1000	-52.12	PASS
Band7	15MHz	16QAM	20825	1RB#0	1000~20000	-34.83	PASS
Band7	15MHz	16QAM	20825	1RB#0	20000~27000	-26.04	PASS
Band7	15MHz	QPSK	21100	1RB#0	0.009~0.15	-65.33	PASS
Band7	15MHz	QPSK	21100	1RB#0	0.15~30	-56.24	PASS
Band7	15MHz	QPSK	21100	1RB#0	30~1000	-53.28	PASS
Band7	15MHz	QPSK	21100	1RB#0	1000~20000	-34.22	PASS
Band7	15MHz	QPSK	21100	1RB#0	20000~27000	-25.53	PASS
Band7	15MHz	16QAM	21100	1RB#0	0.009~0.15	-64.87	PASS
Band7	15MHz	16QAM	21100	1RB#0	0.15~30	-57.22	PASS
Band7	15MHz	16QAM	21100	1RB#0	30~1000	-52.79	PASS
Band7	15MHz	16QAM	21100	1RB#0	1000~20000	-34.78	PASS
Band7	15MHz	16QAM	21100	1RB#0	20000~27000	-26.48	PASS
Band7	15MHz	QPSK	21375	1RB#0	0.009~0.15	-64.08	PASS
Band7	15MHz	QPSK	21375	1RB#0	0.15~30	-56.90	PASS
Band7	15MHz	QPSK	21375	1RB#0	30~1000	-53.22	PASS
Band7	15MHz	QPSK	21375	1RB#0	1000~20000	-34.90	PASS
Band7	15MHz	QPSK	21375	1RB#0	20000~27000	-25.87	PASS

Band7	15MHz	16QAM	21375	1RB#0	0.009~0.15	-66.60	PASS
Band7	15MHz	16QAM	21375	1RB#0	0.15~30	-56.11	PASS
Band7	15MHz	16QAM	21375	1RB#0	30~1000	-53.43	PASS
Band7	15MHz	16QAM	21375	1RB#0	1000~20000	-33.91	PASS
Band7	15MHz	16QAM	21375	1RB#0	20000~27000	-25.98	PASS
Band7	20MHz	QPSK	20850	1RB#0	0.009~0.15	-69.31	PASS
Band7	20MHz	QPSK	20850	1RB#0	0.15~30	-56.12	PASS
Band7	20MHz	QPSK	20850	1RB#0	30~1000	-52.22	PASS
Band7	20MHz	QPSK	20850	1RB#0	1000~20000	-34.12	PASS
Band7	20MHz	QPSK	20850	1RB#0	20000~27000	-25.16	PASS
Band7	20MHz	16QAM	20850	1RB#0	0.009~0.15	-65.35	PASS
Band7	20MHz	16QAM	20850	1RB#0	0.15~30	-55.28	PASS
Band7	20MHz	16QAM	20850	1RB#0	30~1000	-53.21	PASS
Band7	20MHz	16QAM	20850	1RB#0	1000~20000	-34.08	PASS
Band7	20MHz	16QAM	20850	1RB#0	20000~27000	-25.62	PASS
Band7	20MHz	QPSK	21100	1RB#0	0.009~0.15	-68.77	PASS
Band7	20MHz	QPSK	21100	1RB#0	0.15~30	-52.58	PASS
Band7	20MHz	QPSK	21100	1RB#0	30~1000	-52.43	PASS
Band7	20MHz	QPSK	21100	1RB#0	1000~20000	-34.80	PASS
Band7	20MHz	QPSK	21100	1RB#0	20000~27000	-25.78	PASS
Band7	20MHz	16QAM	21100	1RB#0	0.009~0.15	-66.99	PASS
Band7	20MHz	16QAM	21100	1RB#0	0.15~30	-54.90	PASS
Band7	20MHz	16QAM	21100	1RB#0	30~1000	-51.83	PASS
Band7	20MHz	16QAM	21100	1RB#0	1000~20000	-34.33	PASS
Band7	20MHz	16QAM	21100	1RB#0	20000~27000	-26.23	PASS
Band7	20MHz	QPSK	21350	1RB#0	0.009~0.15	-65.99	PASS
Band7	20MHz	QPSK	21350	1RB#0	0.15~30	-58.52	PASS
Band7	20MHz	QPSK	21350	1RB#0	30~1000	-52.31	PASS
Band7	20MHz	QPSK	21350	1RB#0	1000~20000	-34.57	PASS
Band7	20MHz	QPSK	21350	1RB#0	20000~27000	-25.90	PASS
Band7	20MHz	16QAM	21350	1RB#0	0.009~0.15	-65.74	PASS
Band7	20MHz	16QAM	21350	1RB#0	0.15~30	-58.43	PASS
Band7	20MHz	16QAM	21350	1RB#0	30~1000	-52.33	PASS
Band7	20MHz	16QAM	21350	1RB#0	1000~20000	-33.86	PASS
Band7	20MHz	16QAM	21350	1RB#0	20000~27000	-26.02	PASS
Band7	5MHz	16QAM	21100	1RB#0	0.15~30	-55.49	PASS
Band7	5MHz	16QAM	21100	1RB#0	30~1000	-52.99	PASS
Band7	5MHz	16QAM	21100	1RB#0	1000~20000	-33.31	PASS
Band7	5MHz	16QAM	21100	1RB#0	20000~27000	-25.13	PASS
Band7	5MHz	QPSK	21425	1RB#0	0.009~0.15	-69.87	PASS
Band7	5MHz	QPSK	21425	1RB#0	0.15~30	-53.08	PASS
Band7	5MHz	QPSK	21425	1RB#0	30~1000	-52.65	PASS

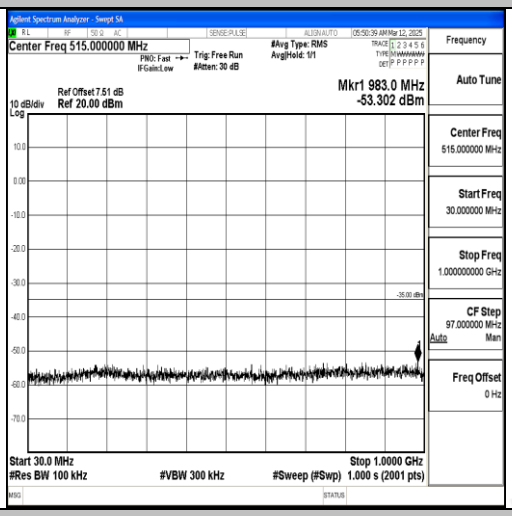
Test Graphs



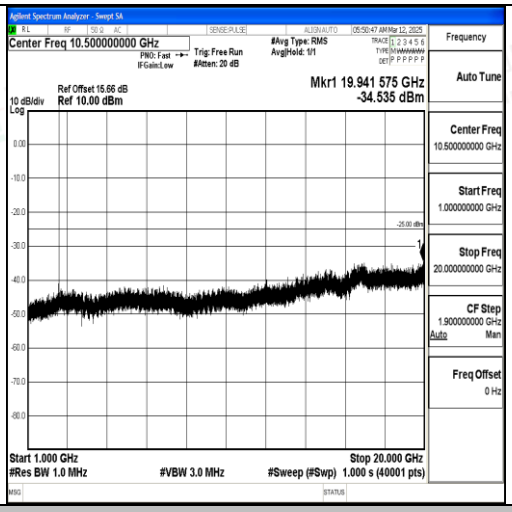
Band7_5MHz_QPSK_20775_1RB#0_0.009~0.15_0.009~0.15



Band7_5MHz_QPSK_20775_1RB#0_0.15~30_0.15~30



Band7_5MHz_QPSK_20775_1RB#0_30~1000_30~1000



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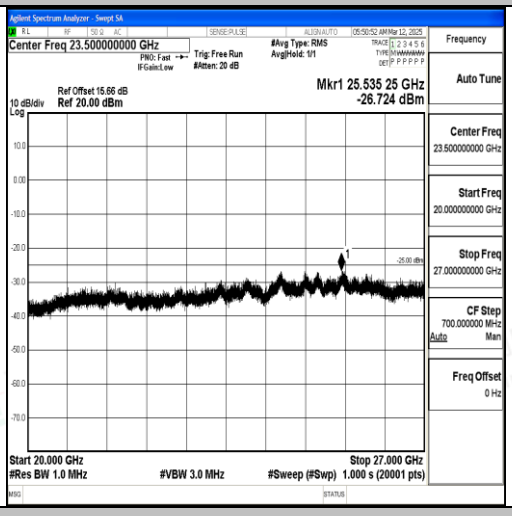

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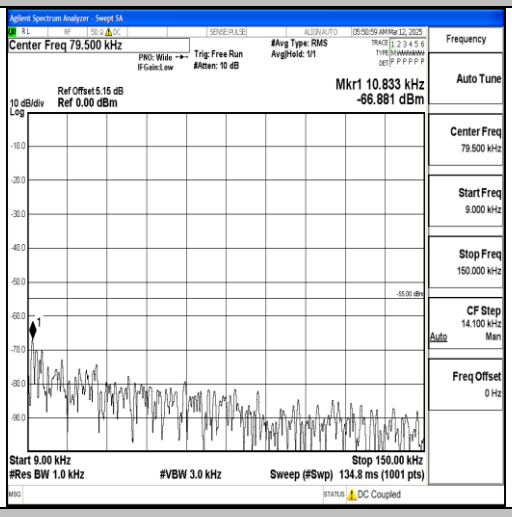
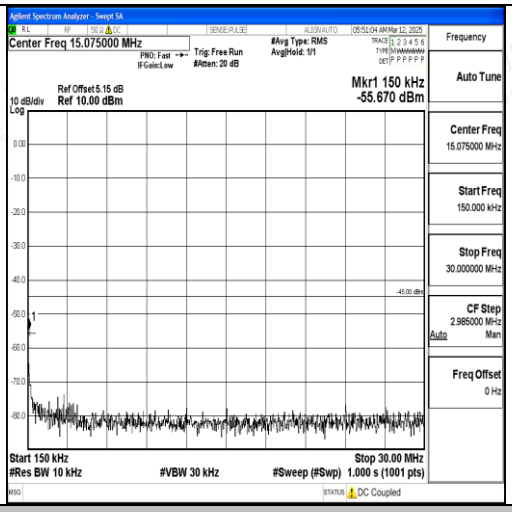


Band7_5MHz_16QAM_20775_1RB#0_0.009~0.15_0.009~0.15



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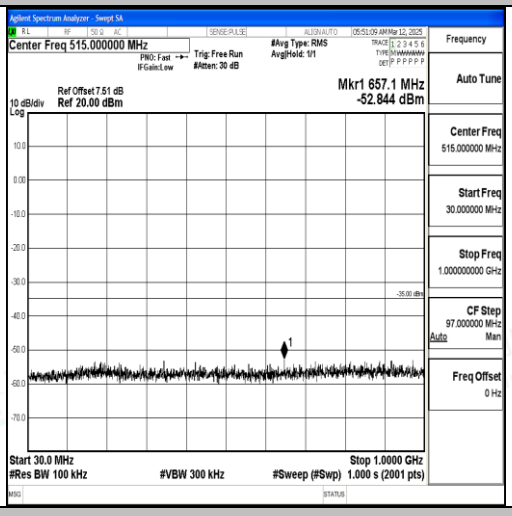

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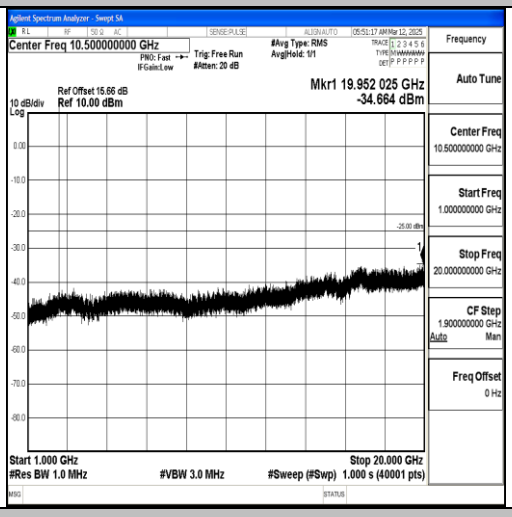

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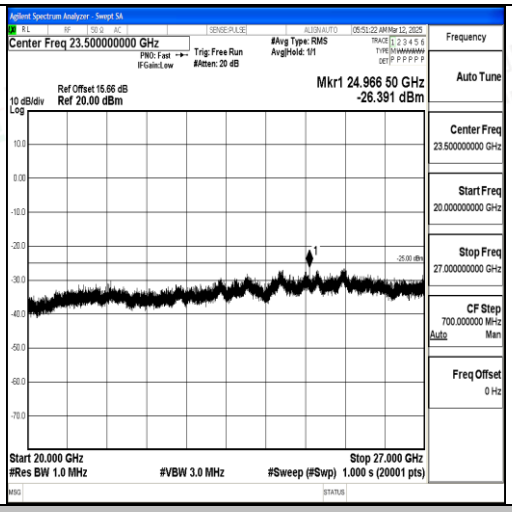

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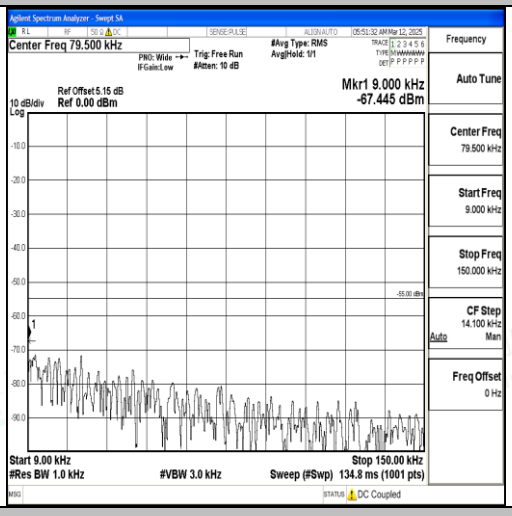

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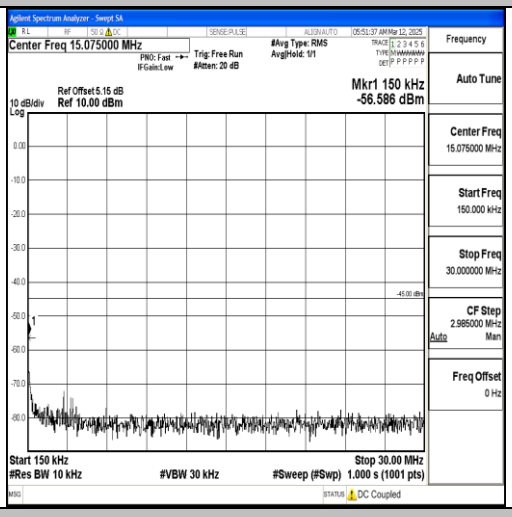

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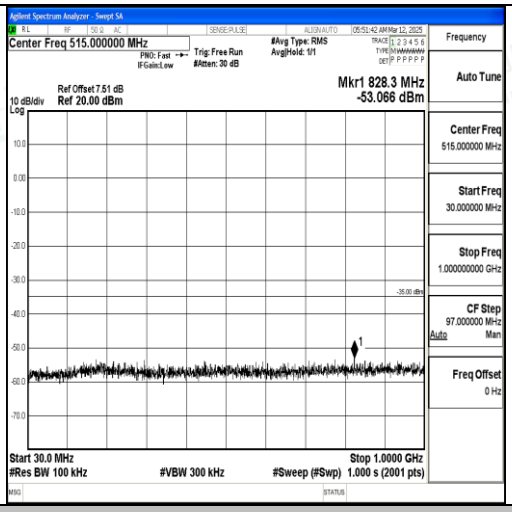

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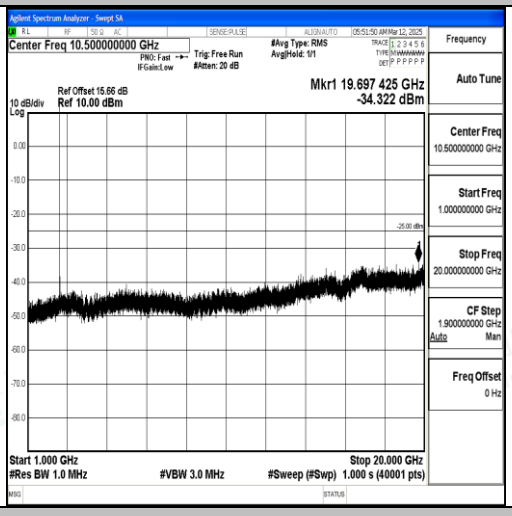

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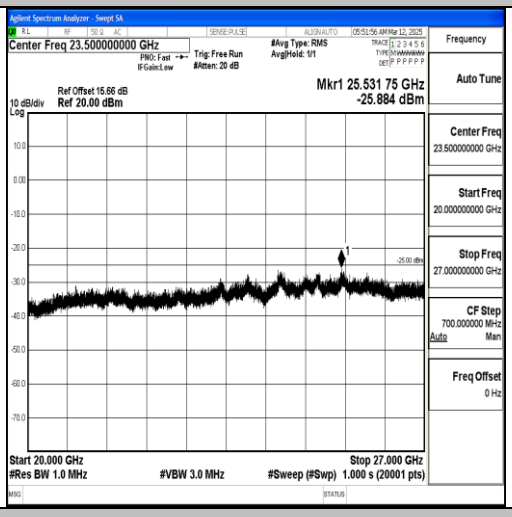

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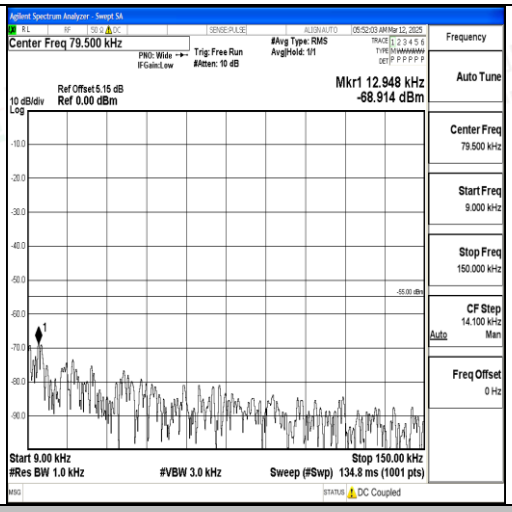

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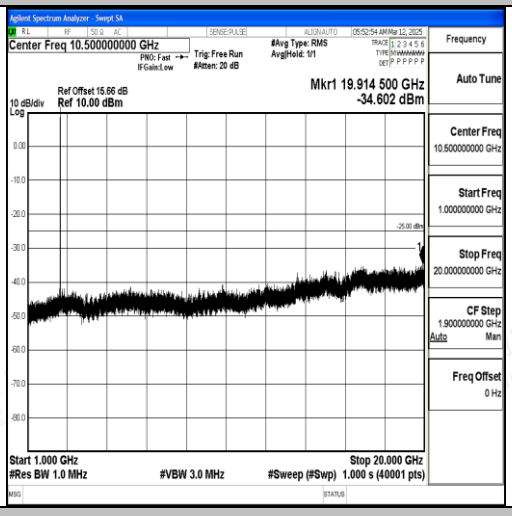

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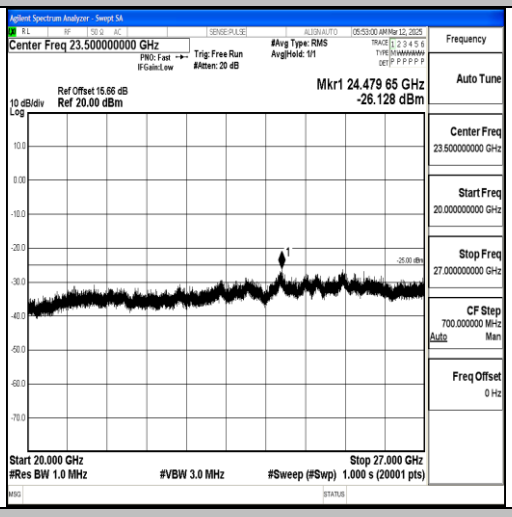

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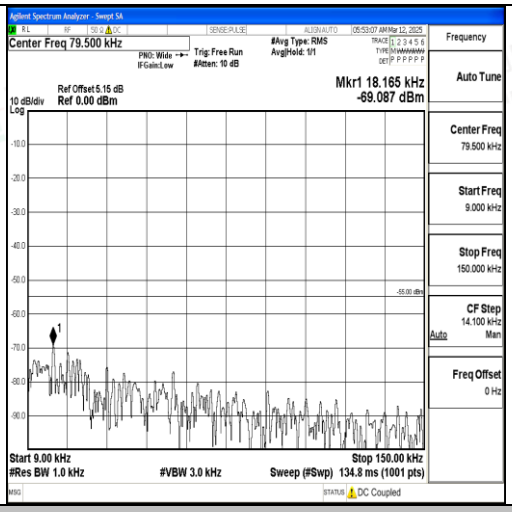

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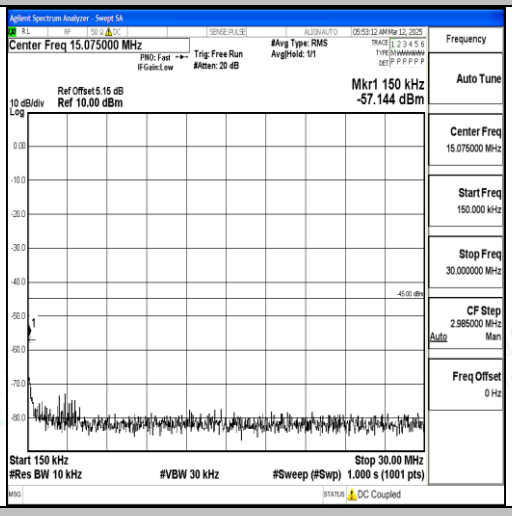

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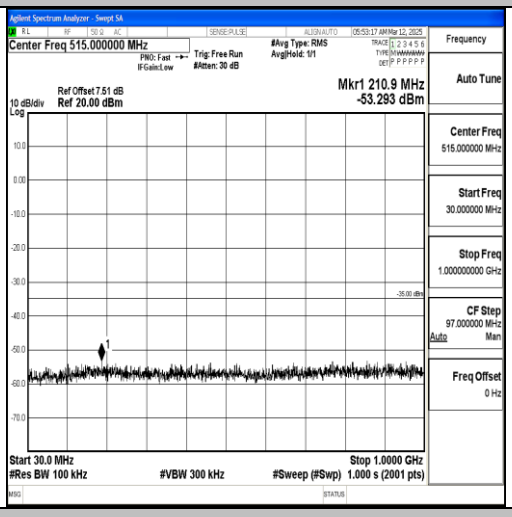

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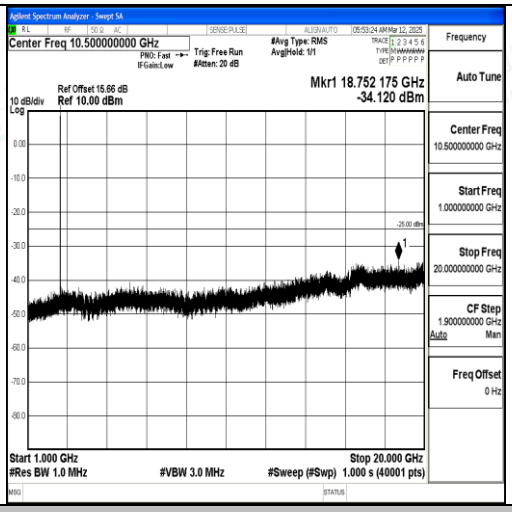

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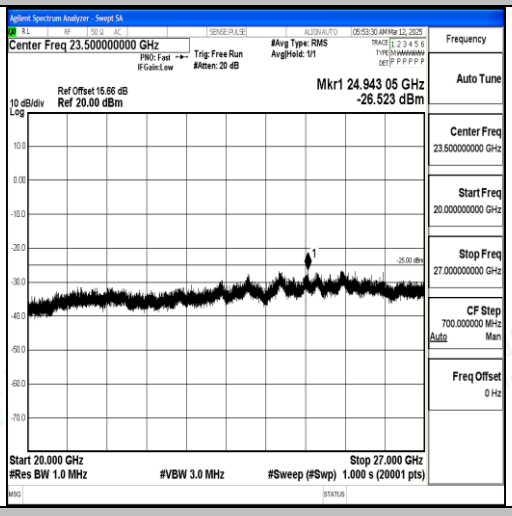

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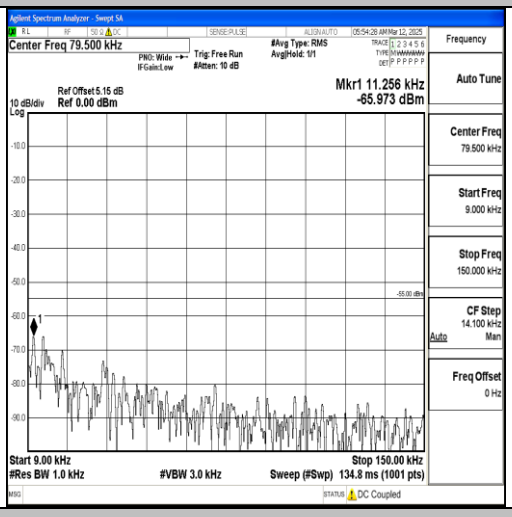

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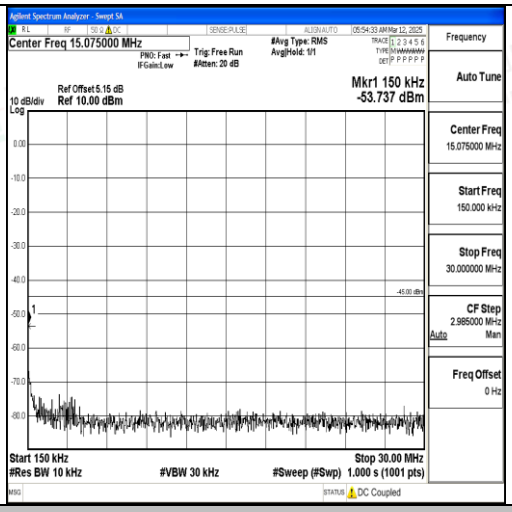
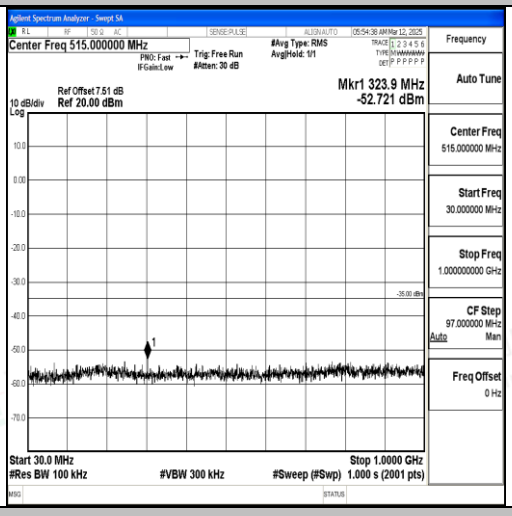


Band7_10MHz_QPSK_20800_1RB#0_0.15~30_0.15~30



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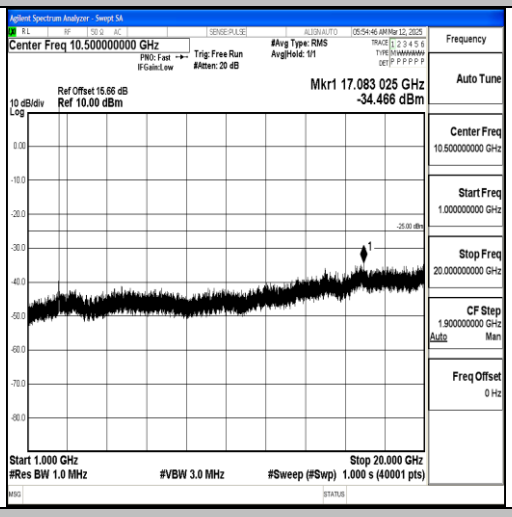

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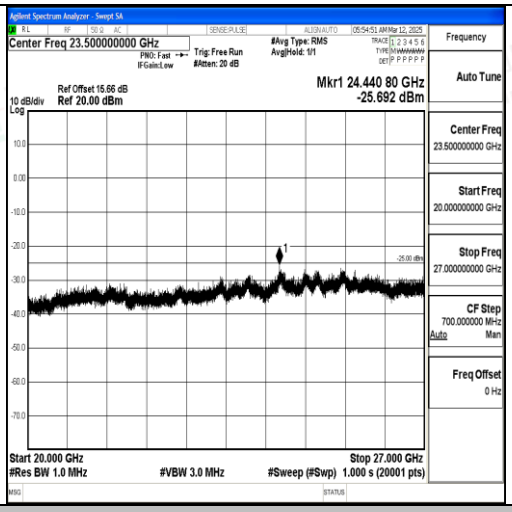

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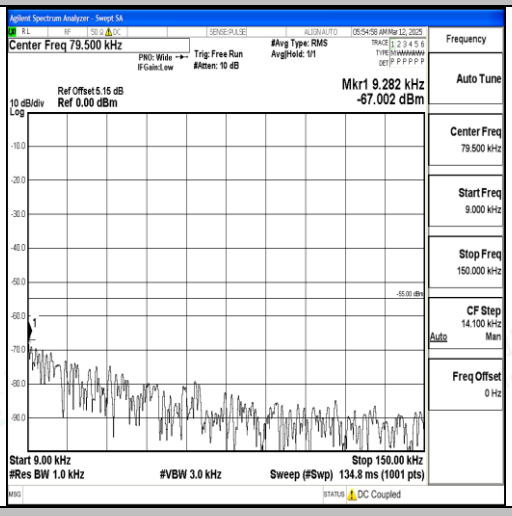
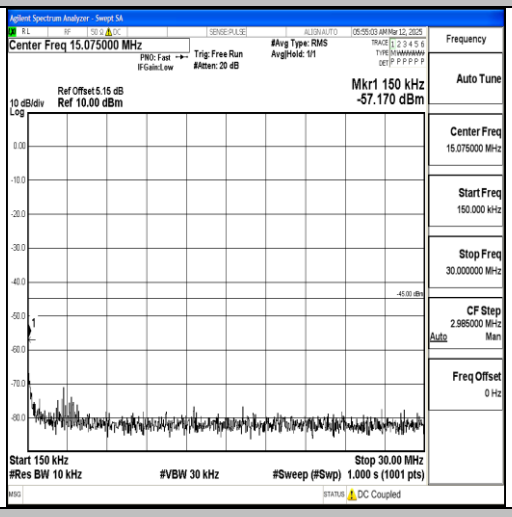
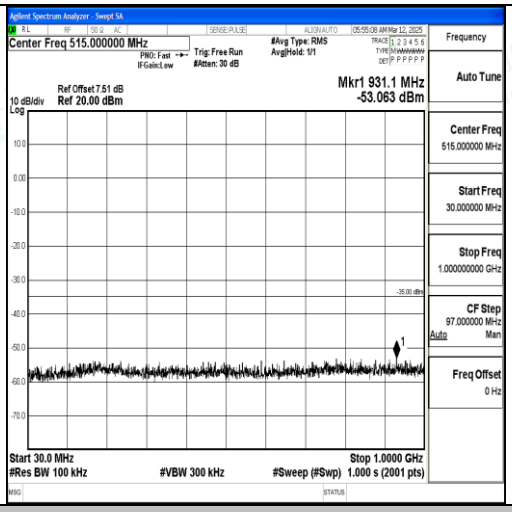


Band7_10MHz_16QAM_20800_1RB#0_0.009~0.15_0.009~0.15



Band7_10MHz_16QAM_20800_1RB#0_0.15~30_0.15~30



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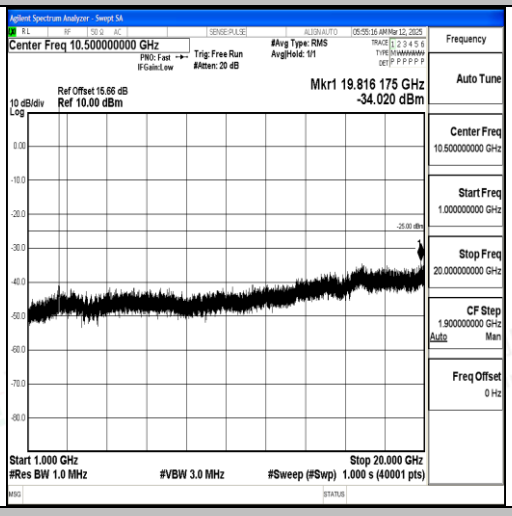

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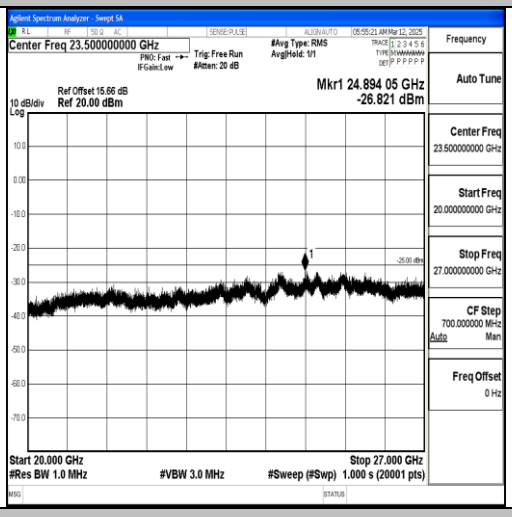

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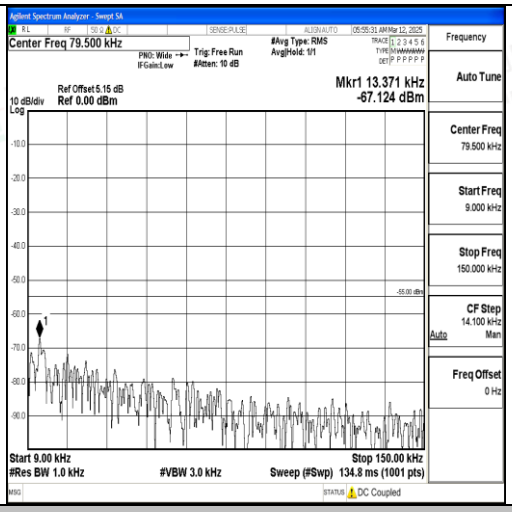
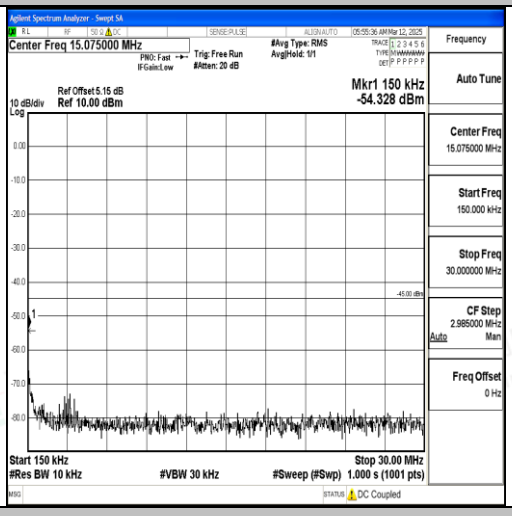
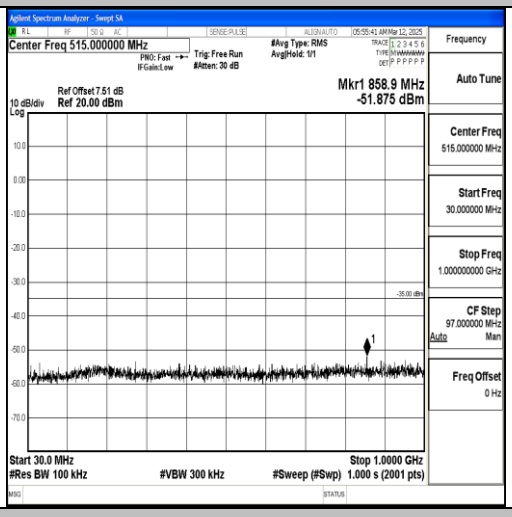


Band7_10MHz_QPSK_21100_1RB#0_0.009~0.15_0.009~0.15



Band7_10MHz_QPSK_21100_1RB#0_0.15~30_0.15~30



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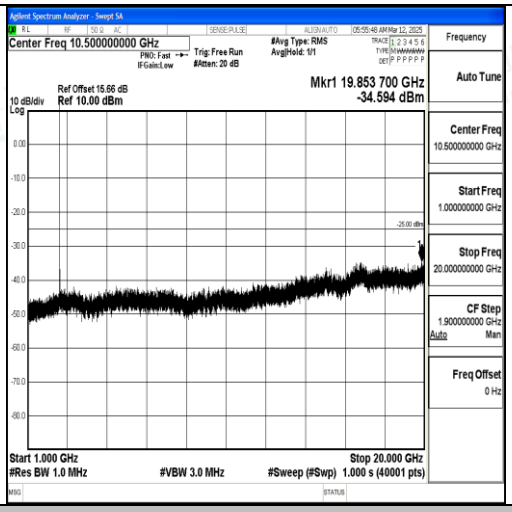

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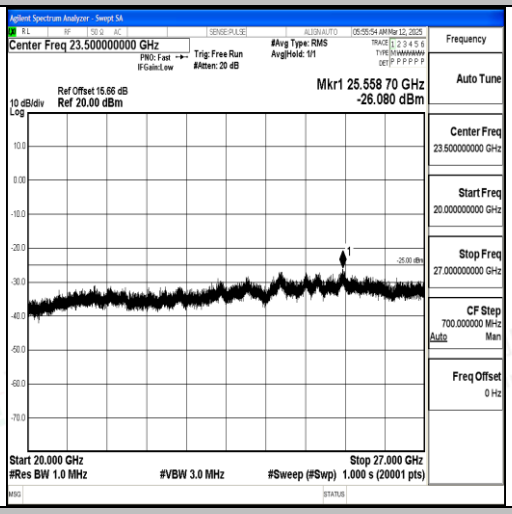
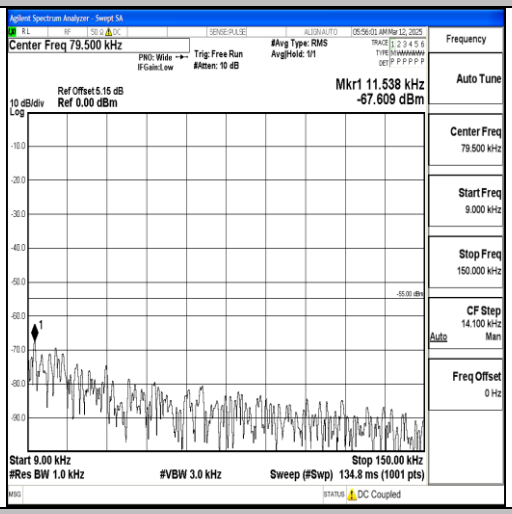
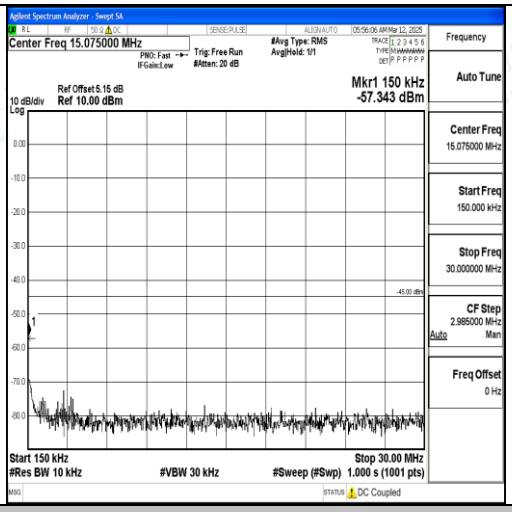


Band7_10MHz_QPSK_21100_1RB#0_20000~27000_20000~27000



Band7_10MHz_16QAM_21100_1RB#0_0.009~0.15_0.009~0.15



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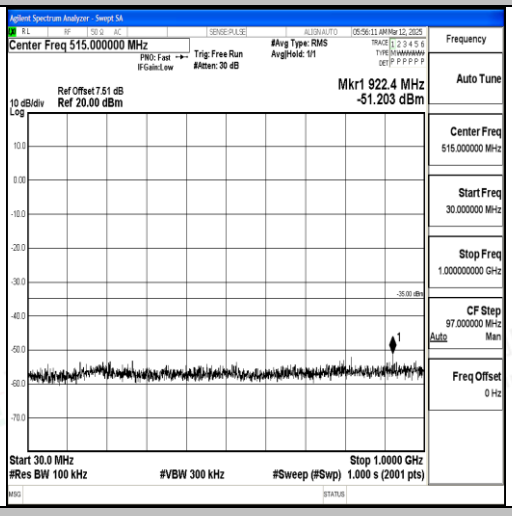

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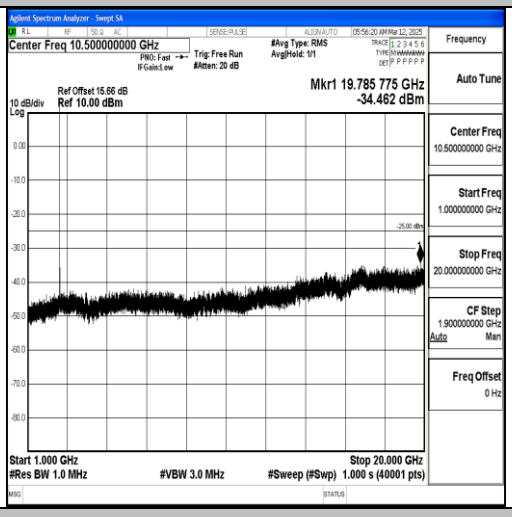

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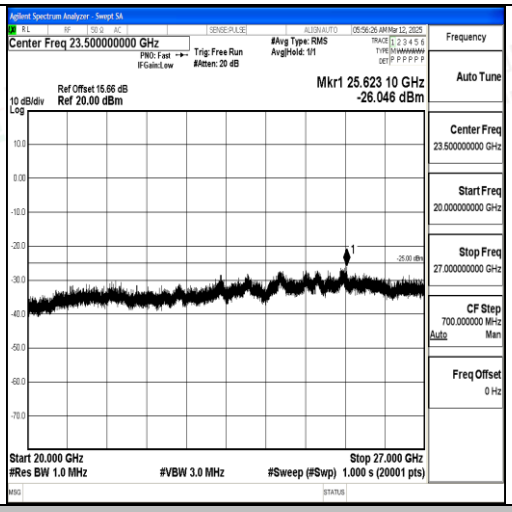
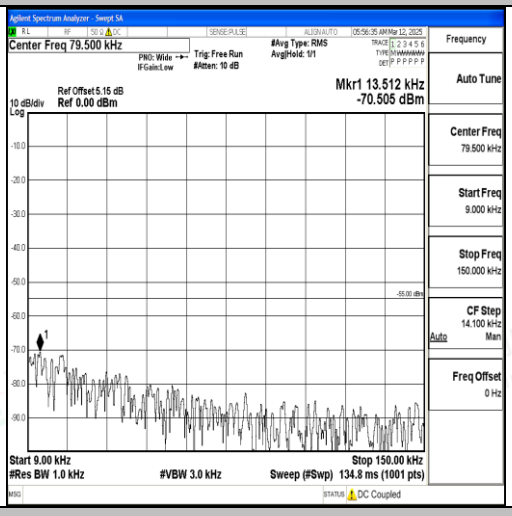
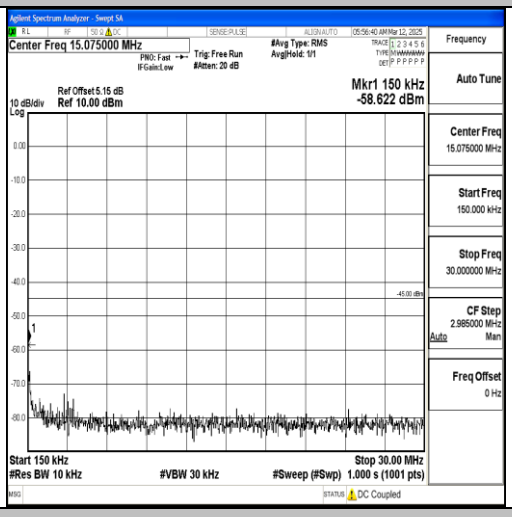


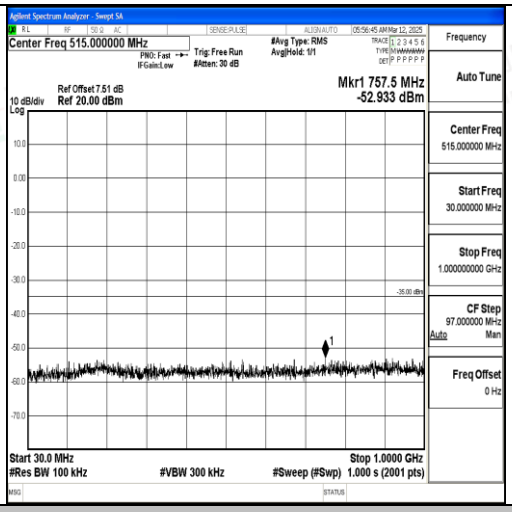
Band7_10MHz_16QAM_21100_1RB#0_20000~27000_20000~27000



Band7_10MHz_QPSK_21400_1RB#0_0.009~0.15_0.009~0.15



Band7_10MHz_QPSK_21400_1RB#0_0.15~30_0.15~30



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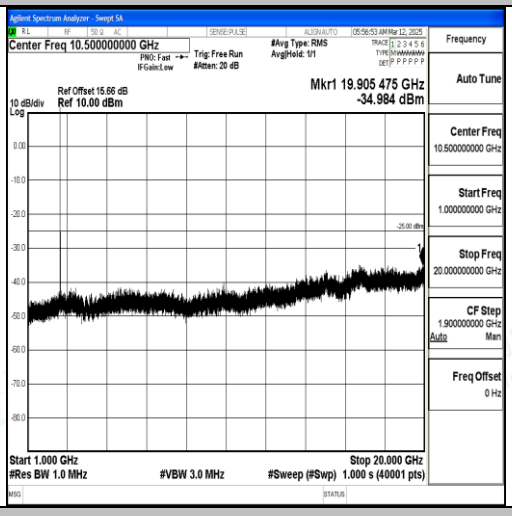

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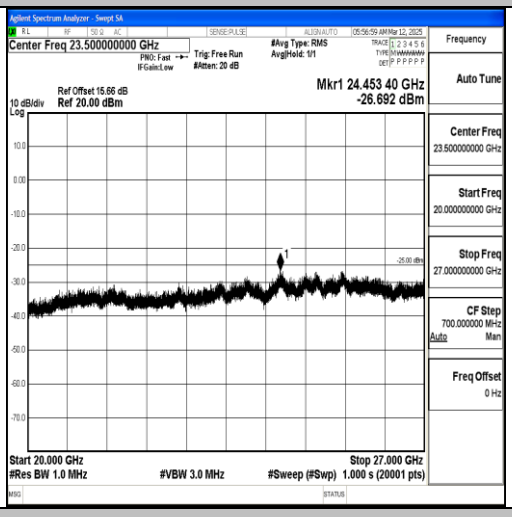

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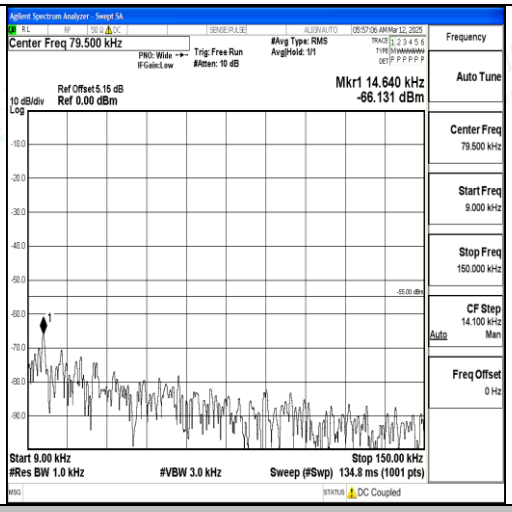
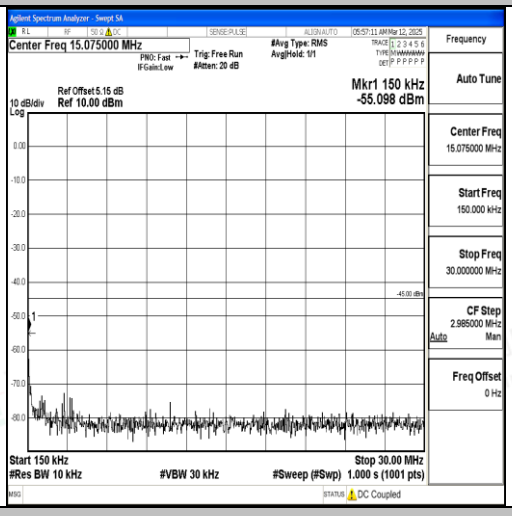
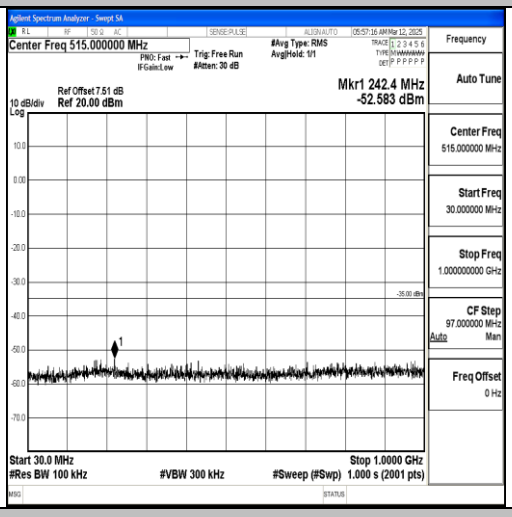


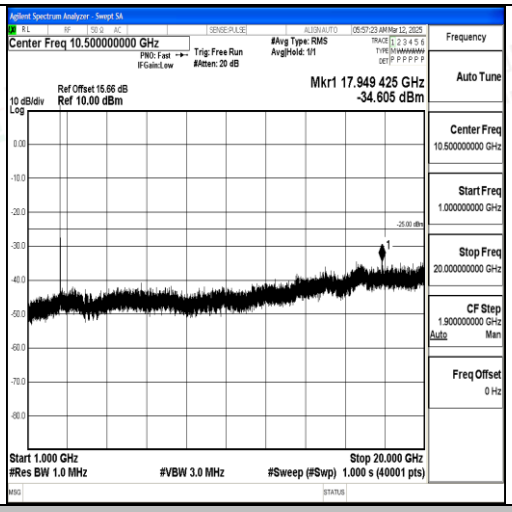
Band7_10MHz_16QAM_21400_1RB#0_0.009~0.15_0.009~0.15



Band7_10MHz_16QAM_21400_1RB#0_0.15~30_0.15~30



Band7_10MHz_16QAM_21400_1RB#0_30~1000_30~1000



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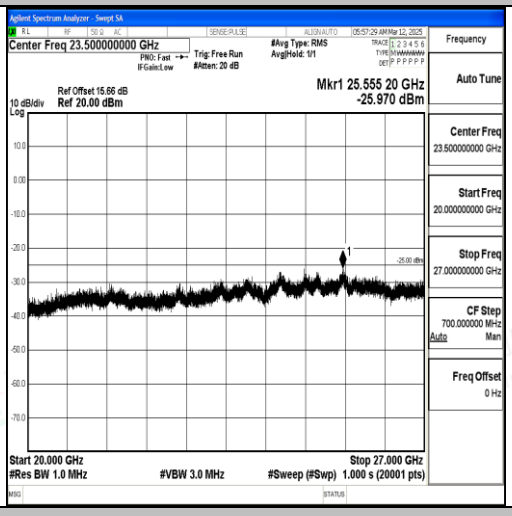
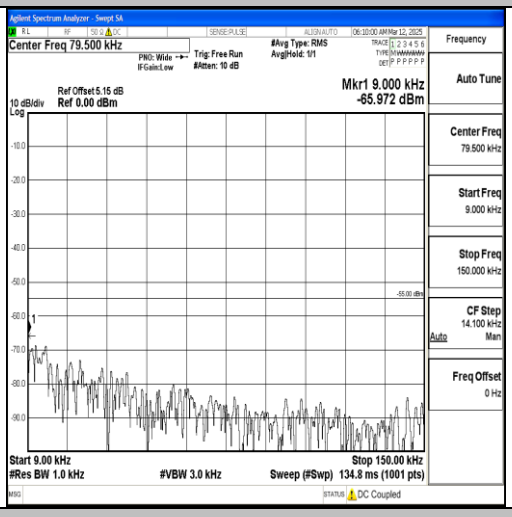
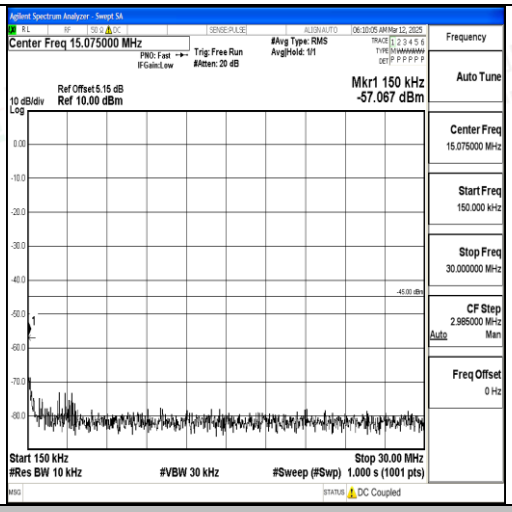


Band7_10MHz_16QAM_21400_1RB#0_20000~27000_20000~27000



Band7_15MHz_QPSK_20825_1RB#0_0.009~0.15_0.009~0.15



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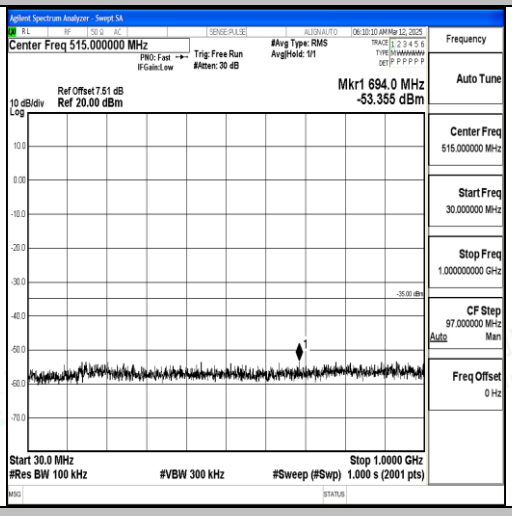

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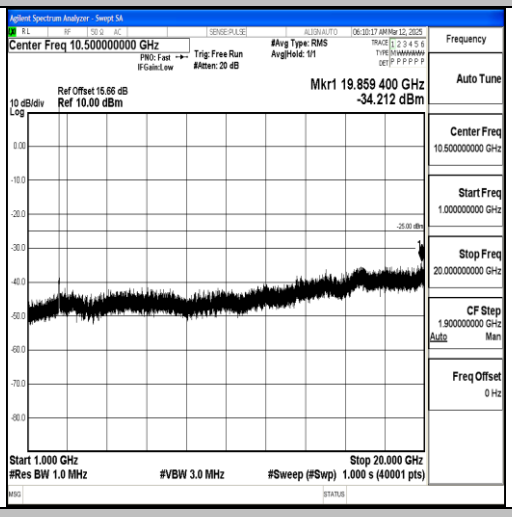

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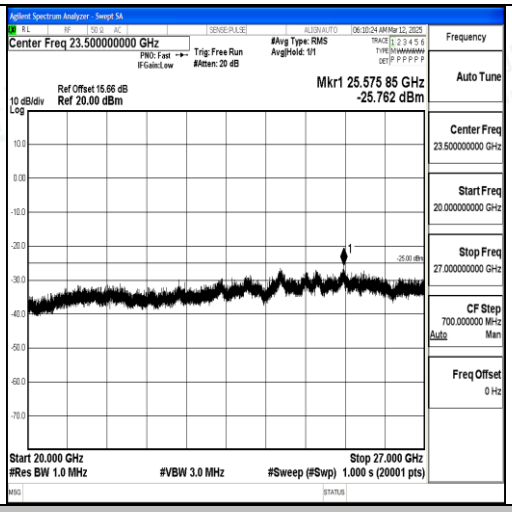

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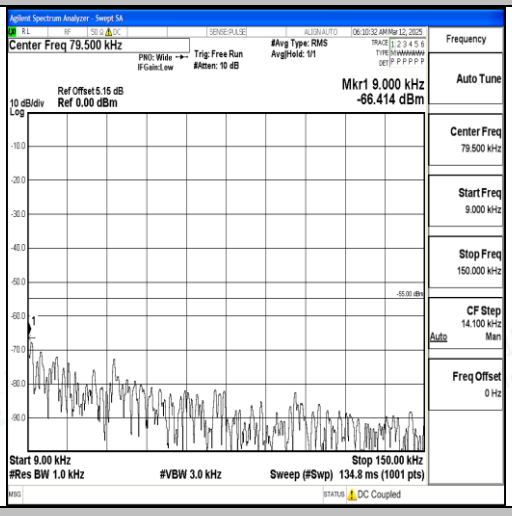
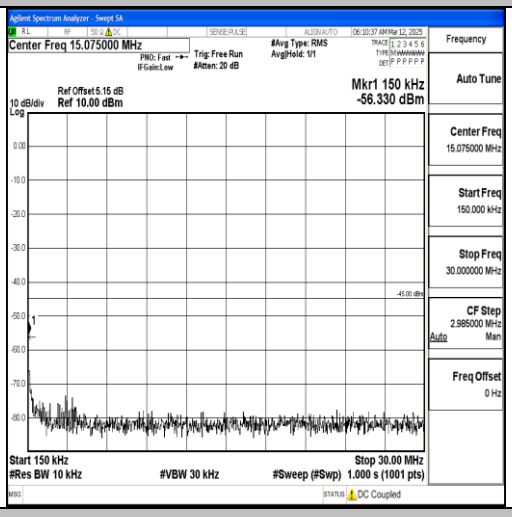
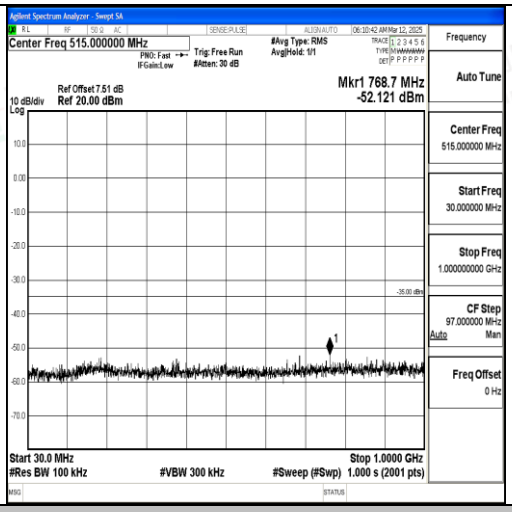


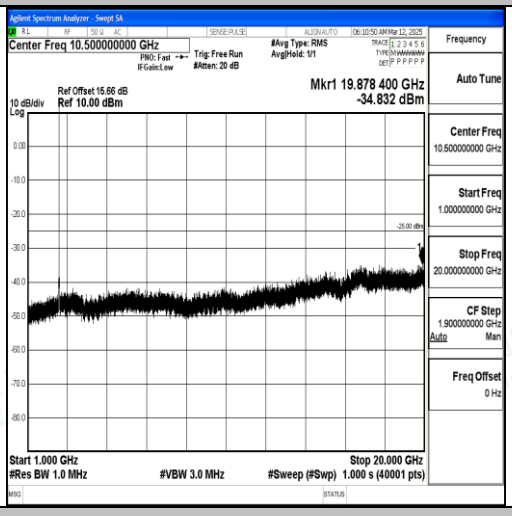
Band7_15MHz_16QAM_20825_1RB#0_0.009~0.15_0.009~0.15



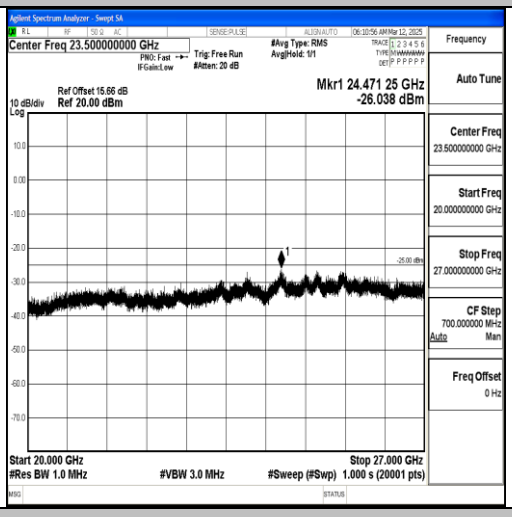
Band7_15MHz_16QAM_20825_1RB#0_0.15~30_0.15~30



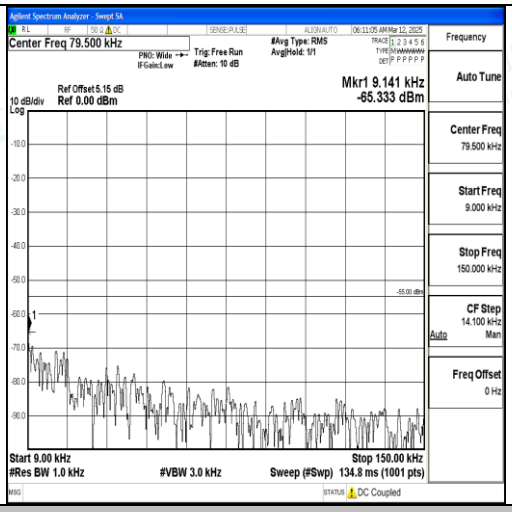
Band7_15MHz_16QAM_20825_1RB#0_30~1000_30~1000



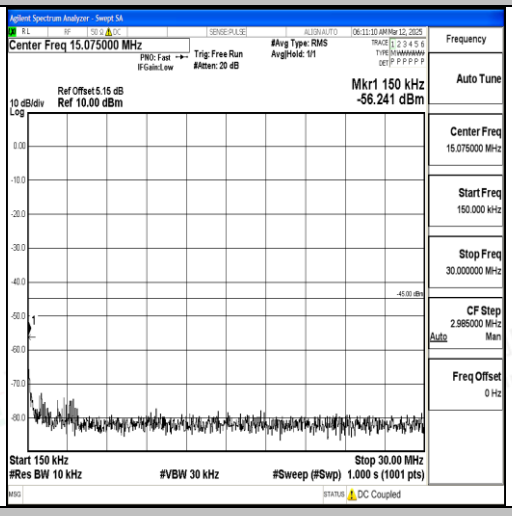
Band7_15MHz_16QAM_20825_1RB#0_1000~20000_1000~20000



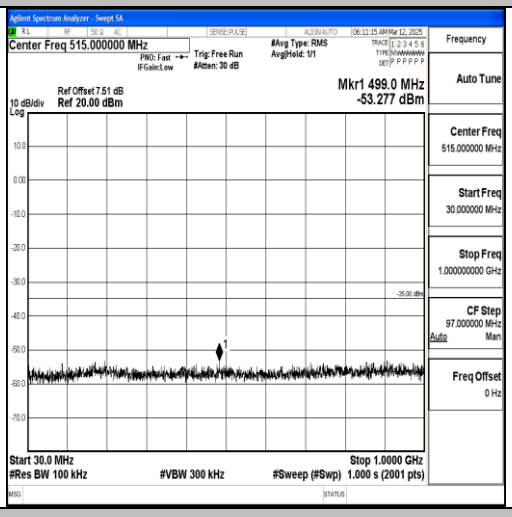
Band7_15MHz_16QAM_20825_1RB#0_20000~27000_20000~27000



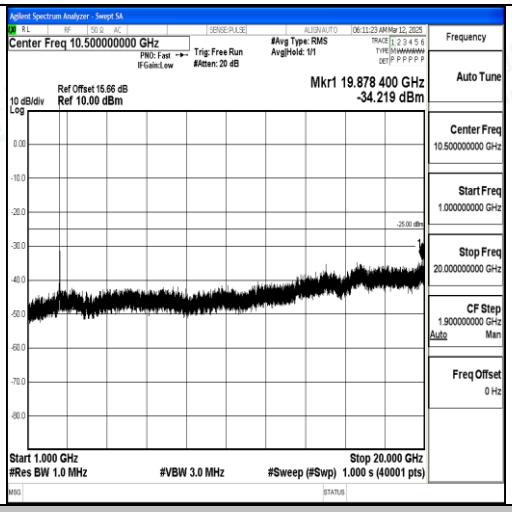
Band7_15MHz_QPSK_21100_1RB#0_0.009~0.15_0.009~0.15



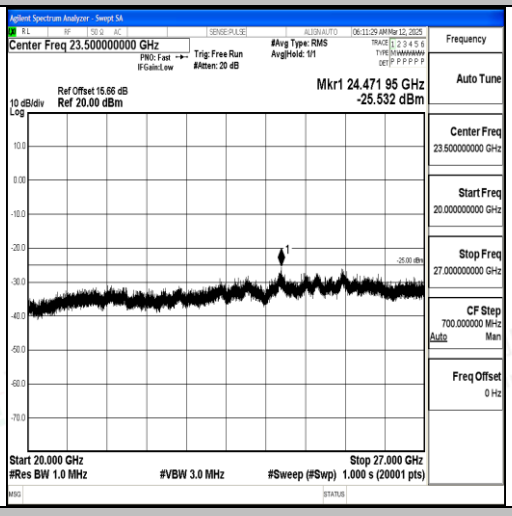
Band7_15MHz_QPSK_21100_1RB#0_0.15~30_0.15~30



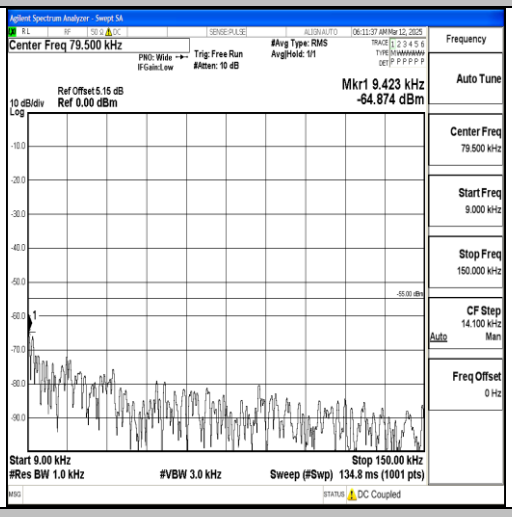
Band7_15MHz_QPSK_21100_1RB#0_30~1000_30~1000



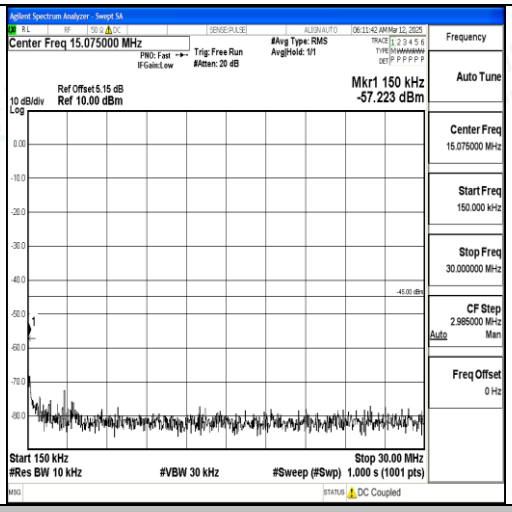
Band7_15MHz_QPSK_21100_1RB#0_1000~20000_1000~20000



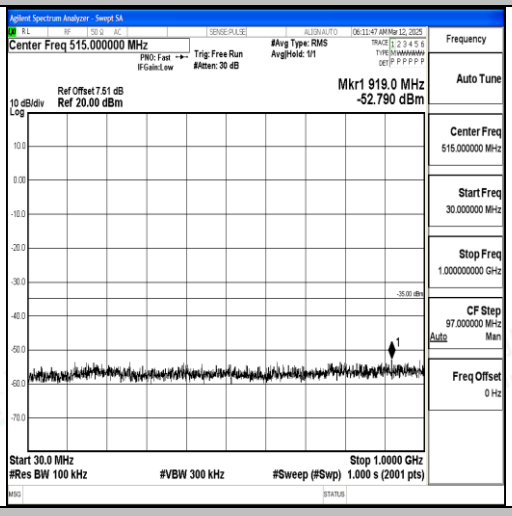
Band7_15MHz_QPSK_21100_1RB#0_20000~27000_20000~27000



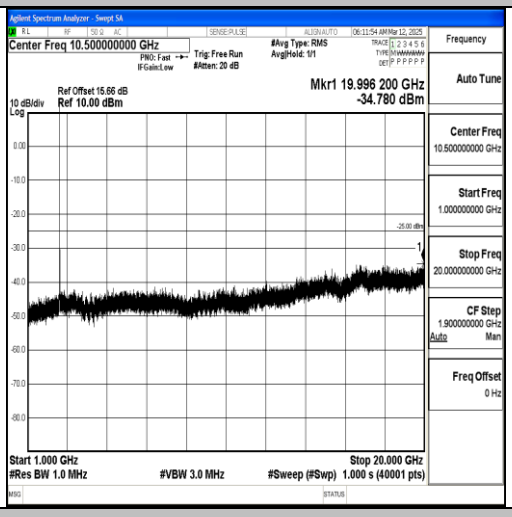
Band7_15MHz_16QAM_21100_1RB#0_0.009~0.15_0.009~0.15



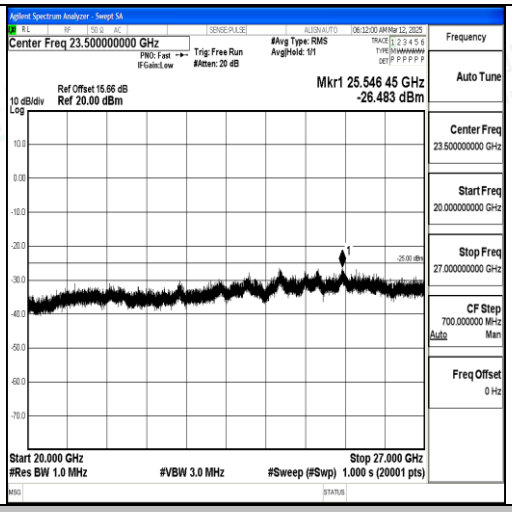
Band7_15MHz_16QAM_21100_1RB#0_0.15~30_0.15~30



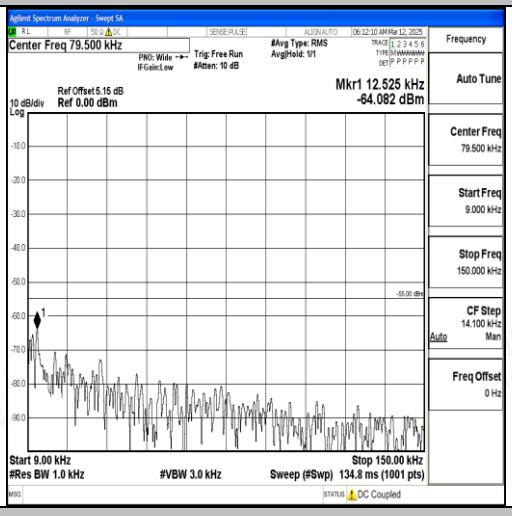
Band7_15MHz_16QAM_21100_1RB#0_30~1000_30~1000



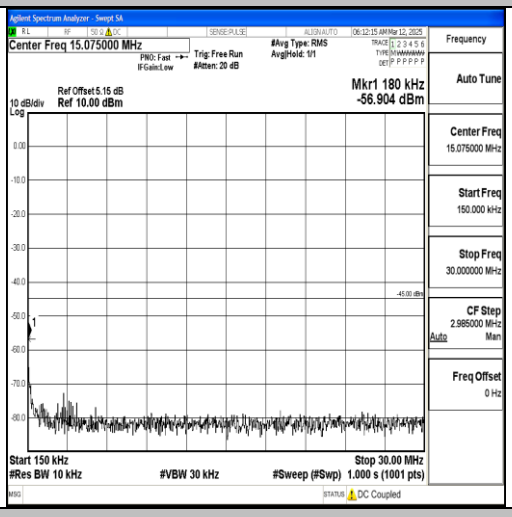
Band7_15MHz_16QAM_21100_1RB#0_1000~20000_1000~20000



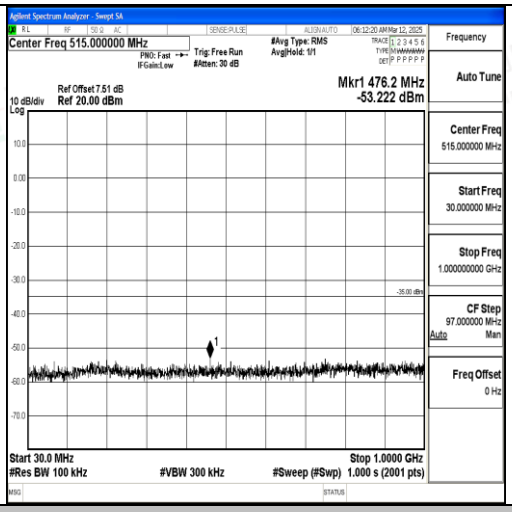
Band7_15MHz_16QAM_21100_1RB#0_20000~27000_20000~27000



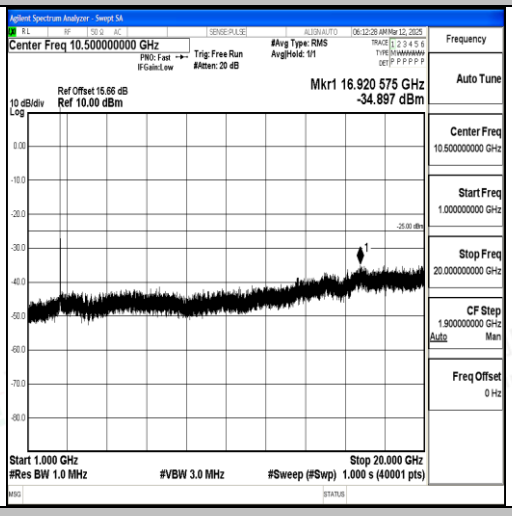
Band7_15MHz_QPSK_21375_1RB#0_0.009~0.15_0.009~0.15



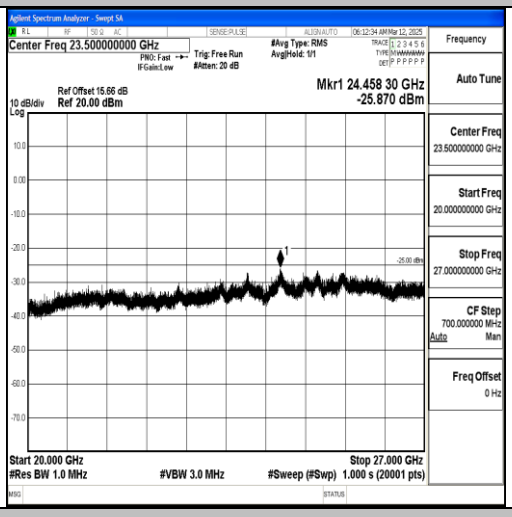
Band7_15MHz_QPSK_21375_1RB#0_0.15~30_0.15~30



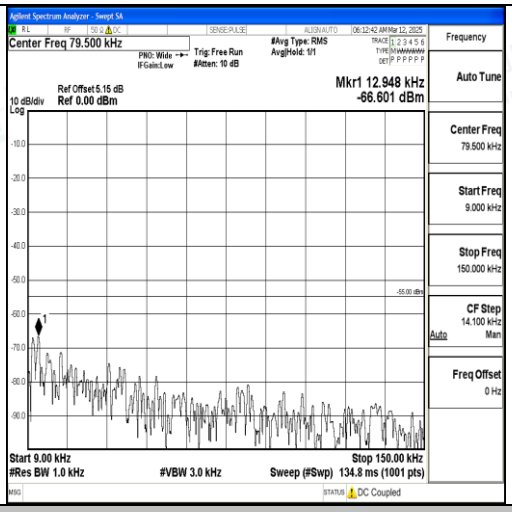
Band7_15MHz_QPSK_21375_1RB#0_30~1000_30~1000



Band7_15MHz_QPSK_21375_1RB#0_1000~20000_1000~20000



Band7_15MHz_QPSK_21375_1RB#0_20000~27000_20000~27000



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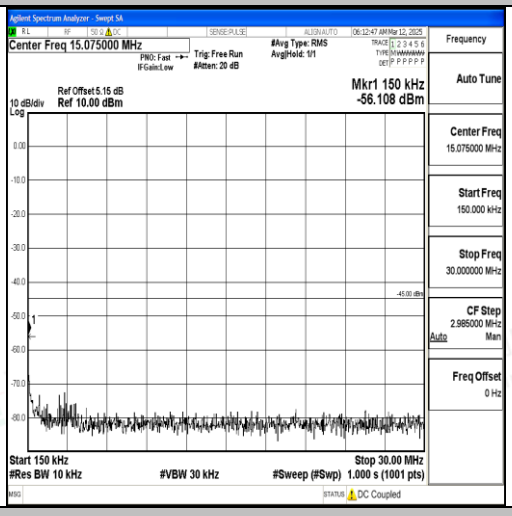
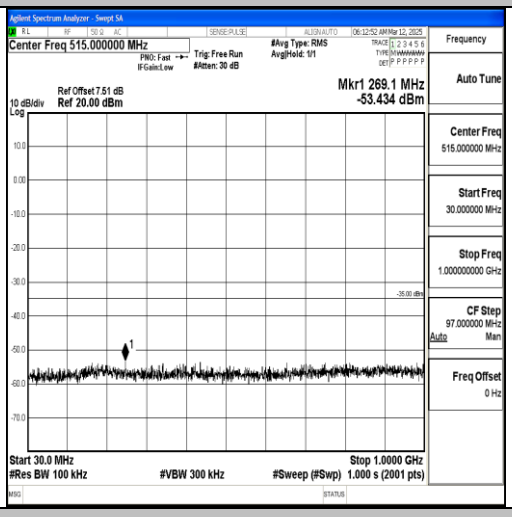


Band7_15MHz_16QAM_21375_1RB#0_0.15~30_0.15~30



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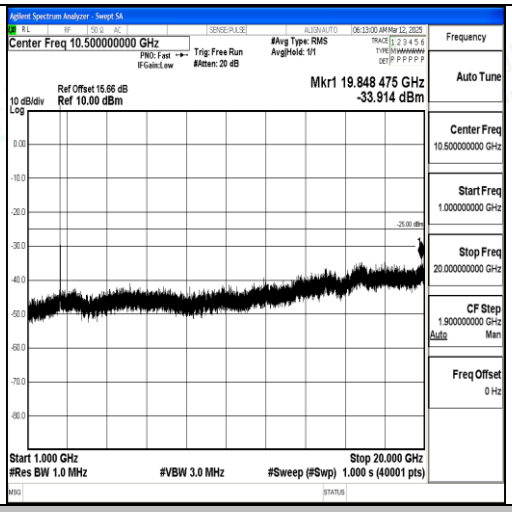

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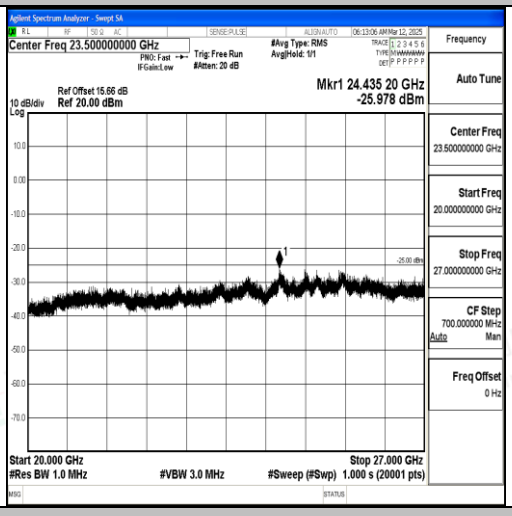

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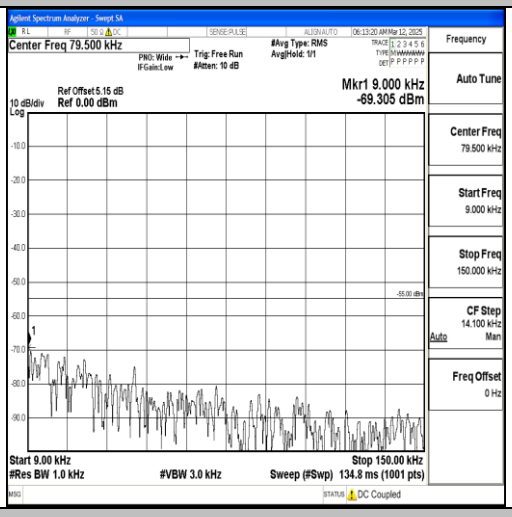

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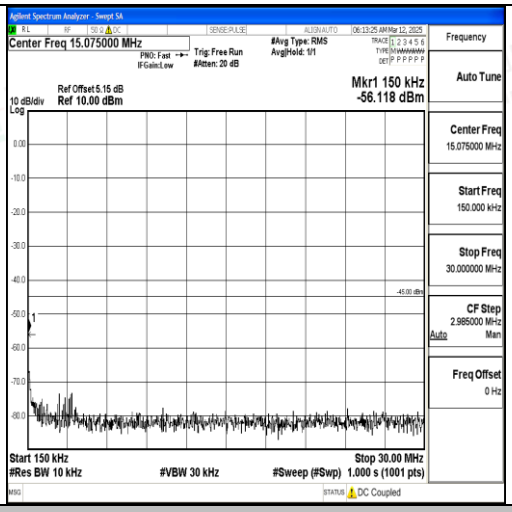

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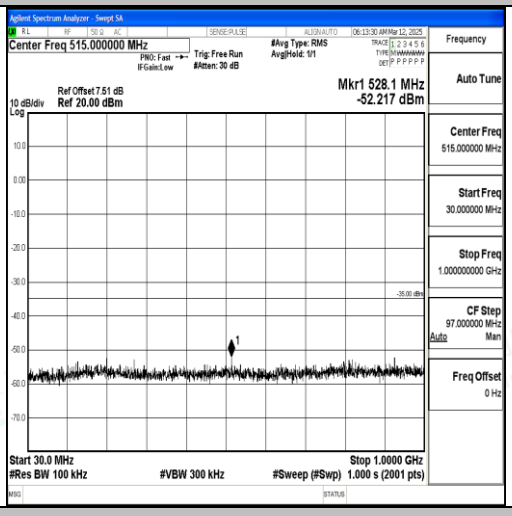

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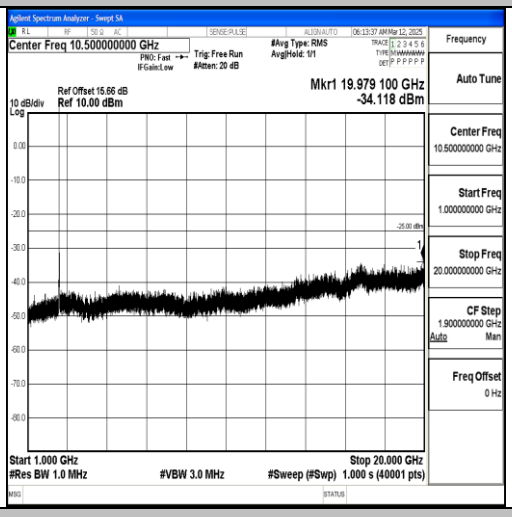

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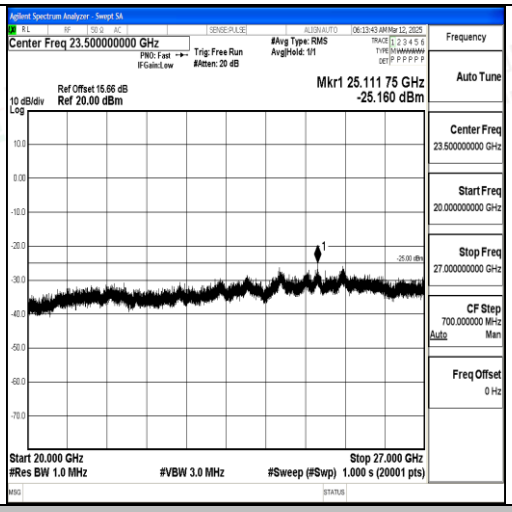
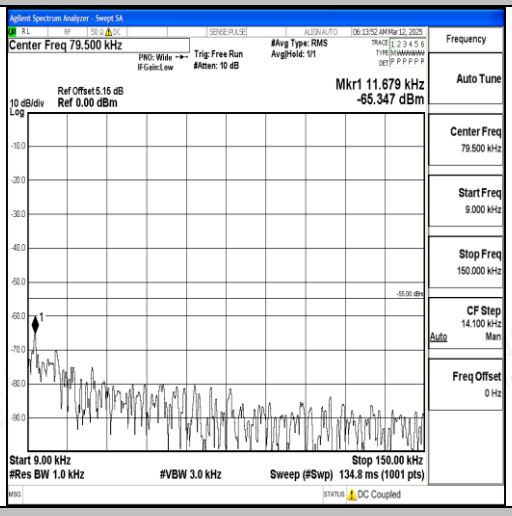


Band7_20MHz_QPSK_20850_1RB#0_20000~27000_20000~27000



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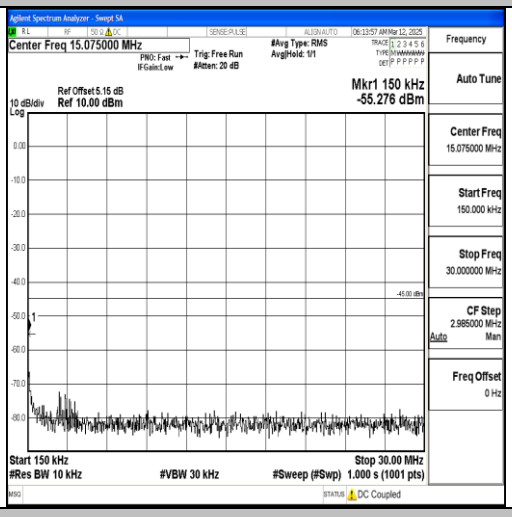
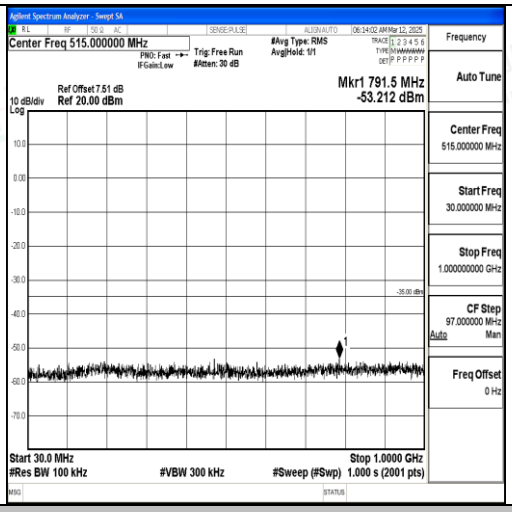
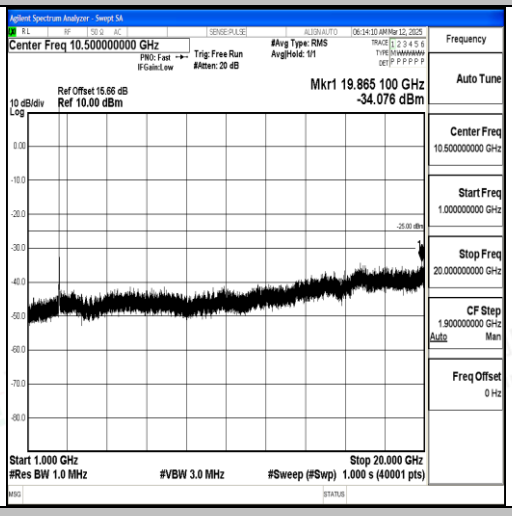


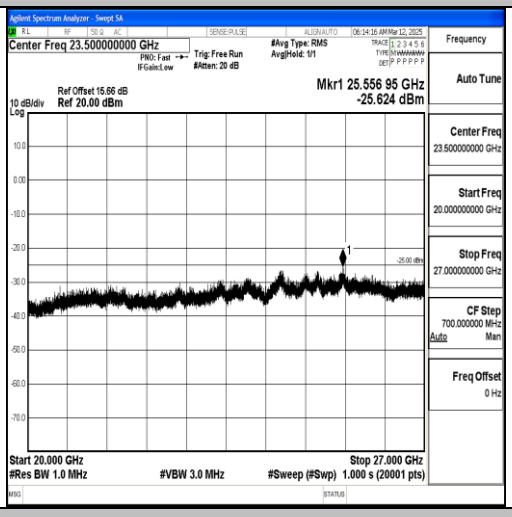
Band7_20MHz_16QAM_20850_1RB#0_0.15~30_0.15~30



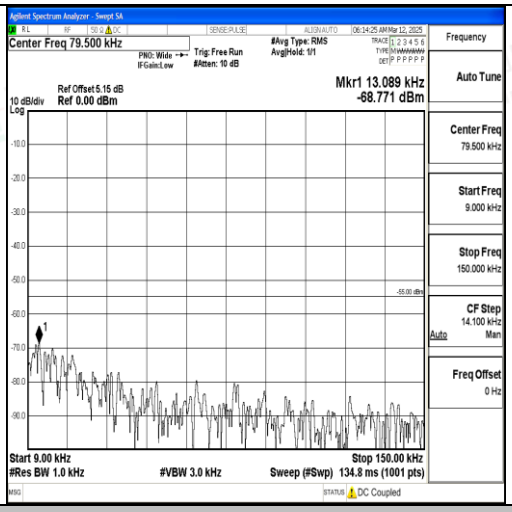
Band7_20MHz_16QAM_20850_1RB#0_30~1000_30~1000



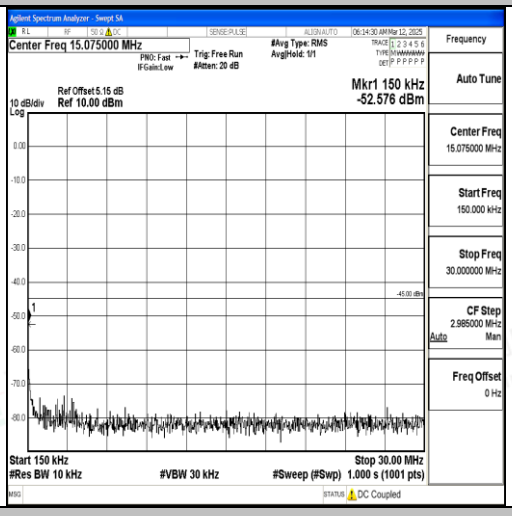
Band7_20MHz_16QAM_20850_1RB#0_1000~20000_1000~20000



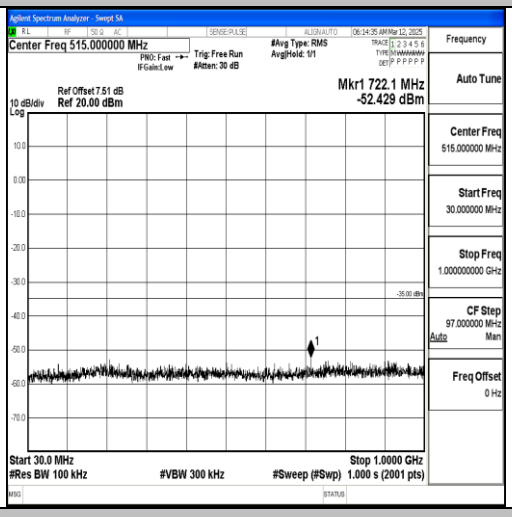
Band7_20MHz_16QAM_20850_1RB#0_20000~27000_20000~27000



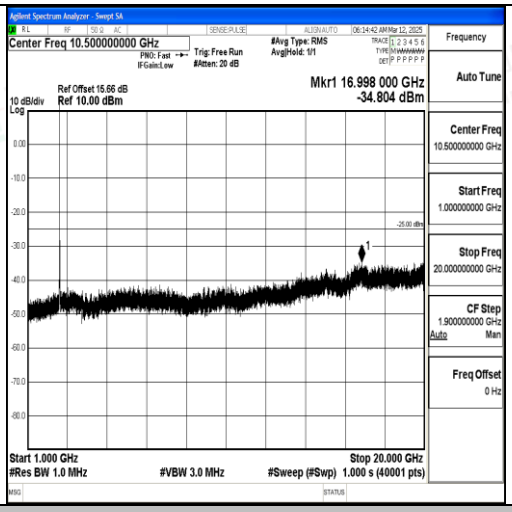
Band7_20MHz_QPSK_21100_1RB#0_0.009~0.15_0.009~0.15



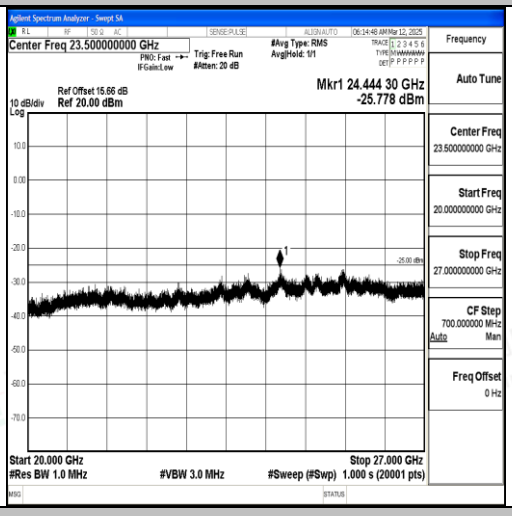
Band7_20MHz_QPSK_21100_1RB#0_0.15~30_0.15~30



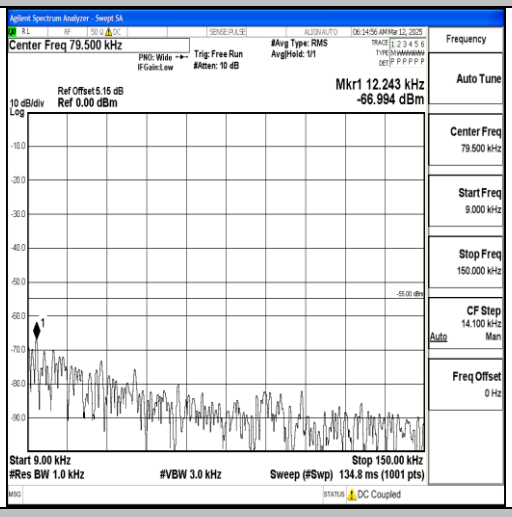
Band7_20MHz_QPSK_21100_1RB#0_30~1000_30~1000



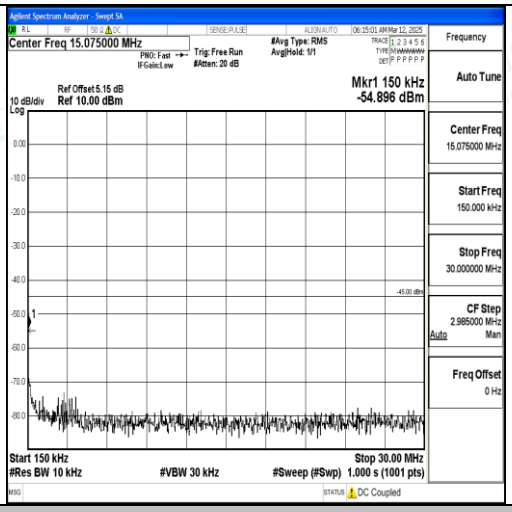
Band7_20MHz_QPSK_21100_1RB#0_1000~20000_1000~20000



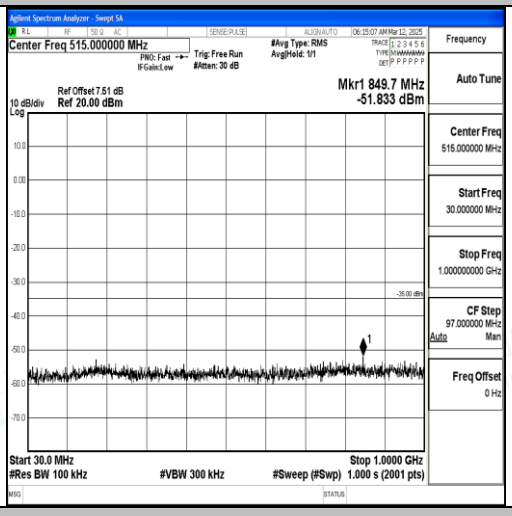
Band7_20MHz_QPSK_21100_1RB#0_20000~27000_20000~27000



Band7_20MHz_16QAM_21100_1RB#0_0.009~0.15_0.009~0.15



Band7_20MHz_16QAM_21100_1RB#0_0.15~30_0.15~30



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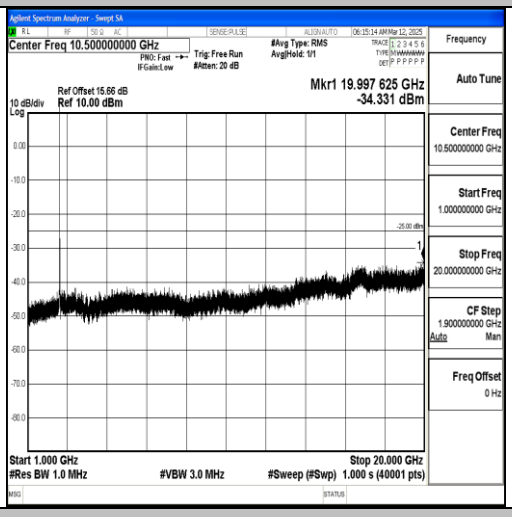
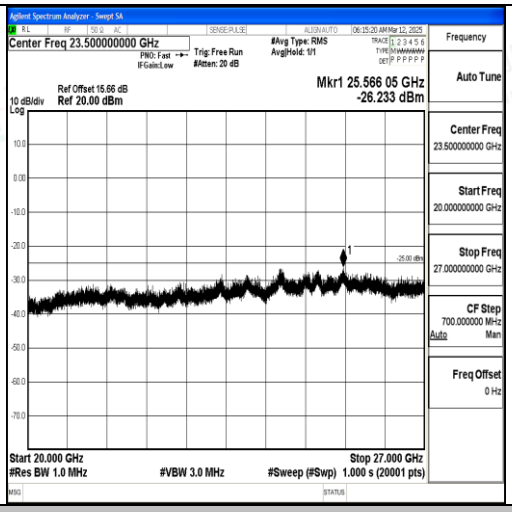
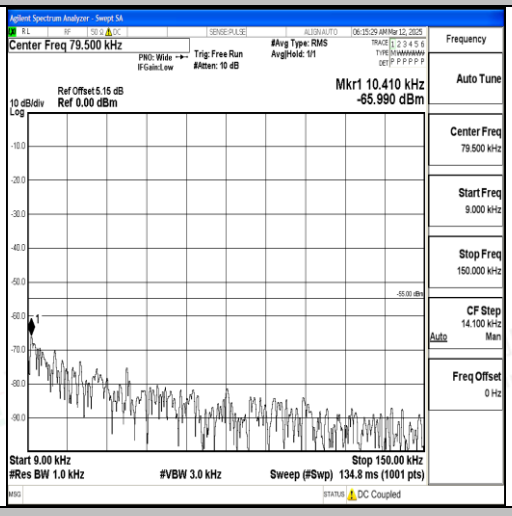


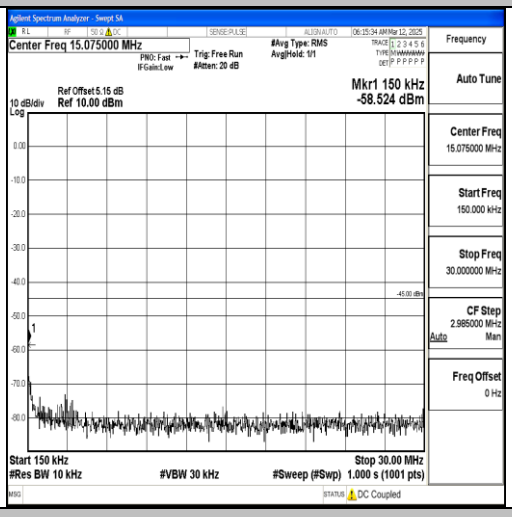
Band7_20MHz_16QAM_21100_1RB#0_1000~20000_1000~20000



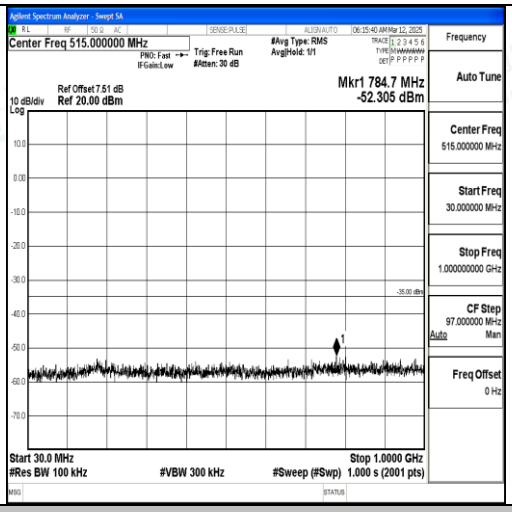
Band7_20MHz_16QAM_21100_1RB#0_20000~27000_20000~27000



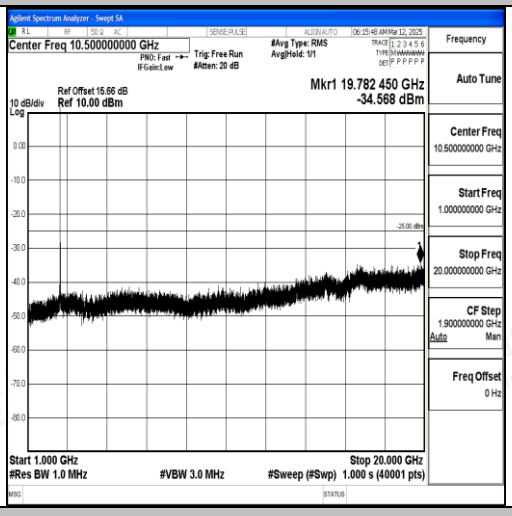
Band7_20MHz_QPSK_21350_1RB#0_0.009~0.15_0.009~0.15



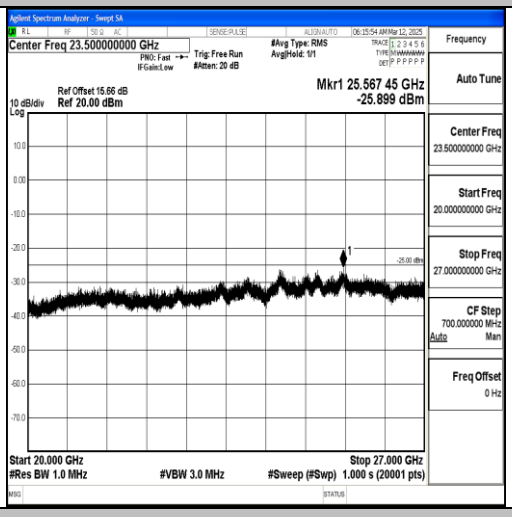
Band7_20MHz_QPSK_21350_1RB#0_0.15~30_0.15~30



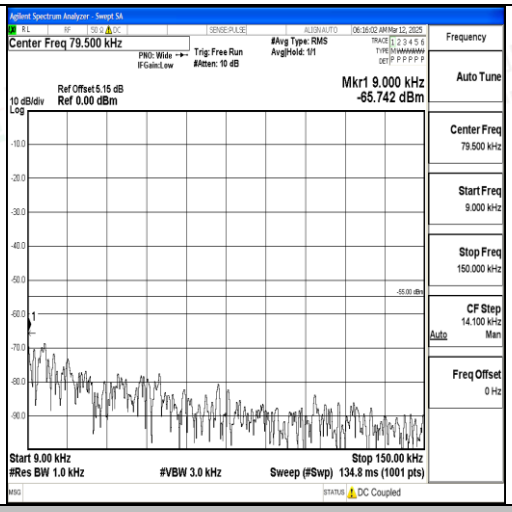
Band7_20MHz_QPSK_21350_1RB#0_30~1000_30~1000



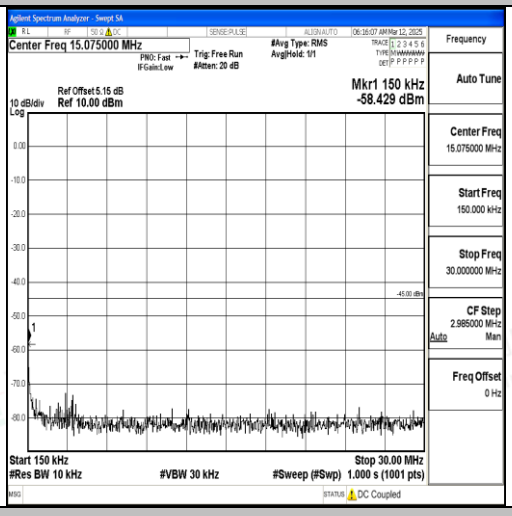
Band7_20MHz_QPSK_21350_1RB#0_1000~20000_1000~20000



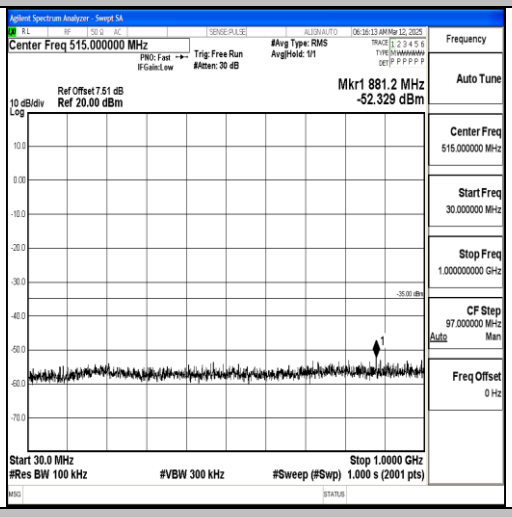
Band7_20MHz_QPSK_21350_1RB#0_20000~27000_20000~27000



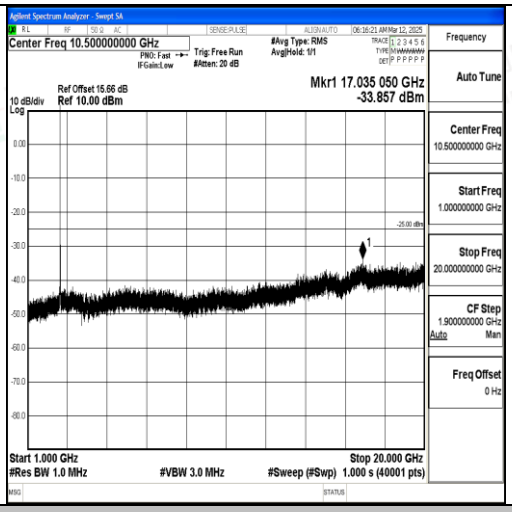
Band7_20MHz_16QAM_21350_1RB#0_0.009~0.15_0.009~0.15



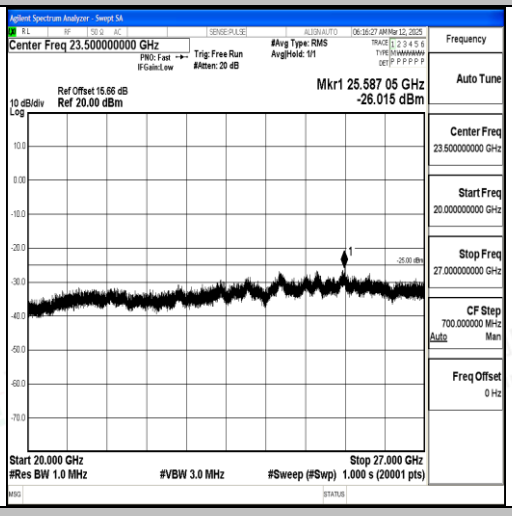
Band7_20MHz_16QAM_21350_1RB#0_0.15~30_0.15~30



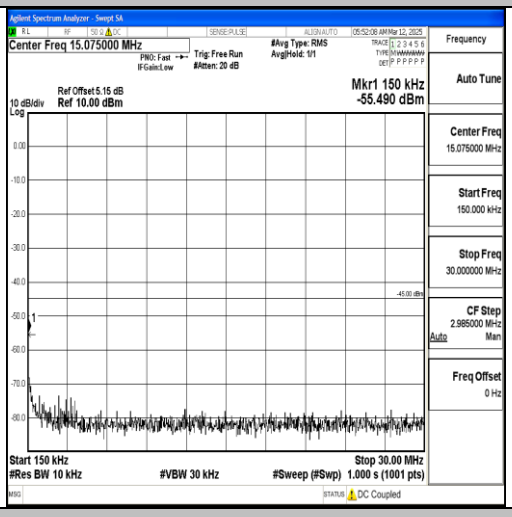
Band7_20MHz_16QAM_21350_1RB#0_30~1000_30~1000



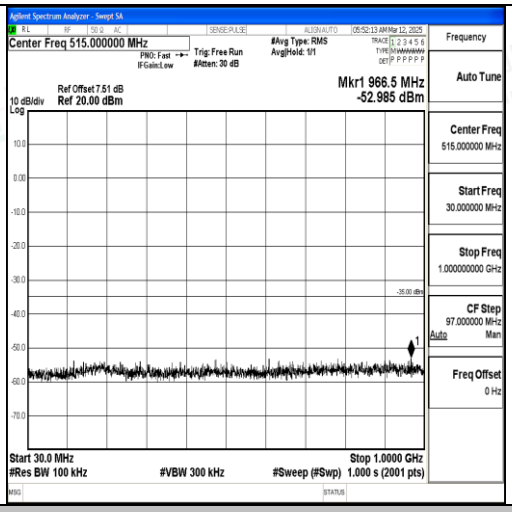
Band7_20MHz_16QAM_21350_1RB#0_1000~20000_1000~20000



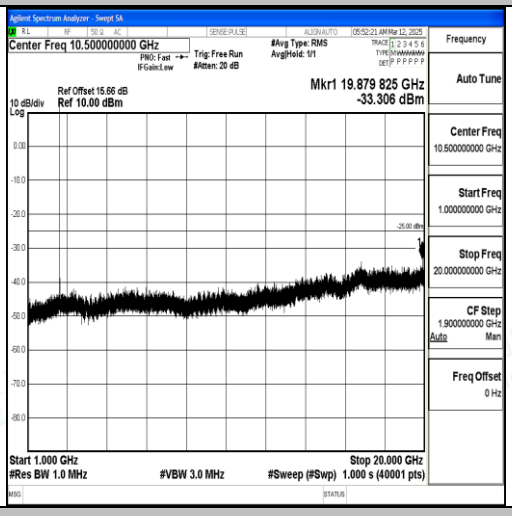
Band7_20MHz_16QAM_21350_1RB#0_20000~27000_20000~27000



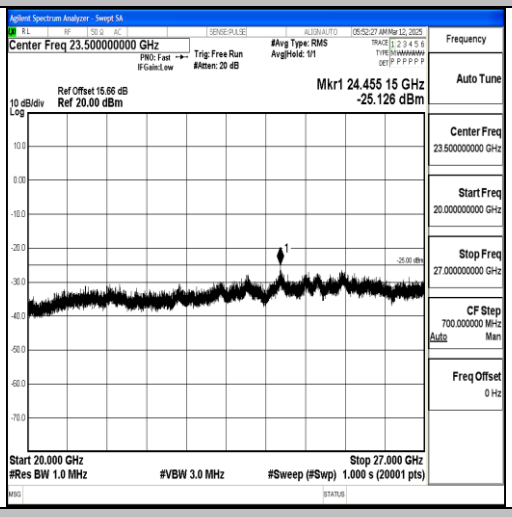
Band7_5MHz_16QAM_21100_1RB#0_0.15~30_0.15~30



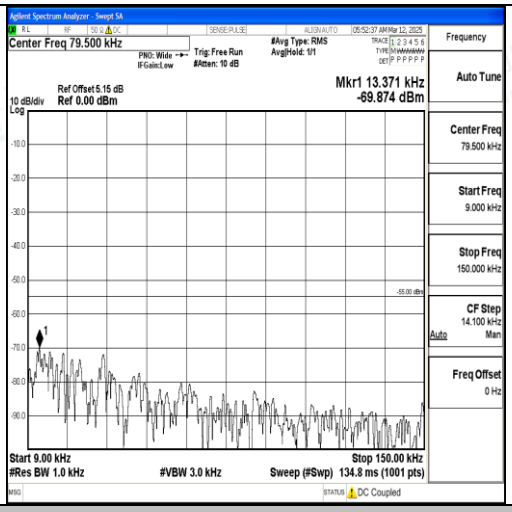
Band7_5MHz_16QAM_21100_1RB#0_30~1000_30~1000



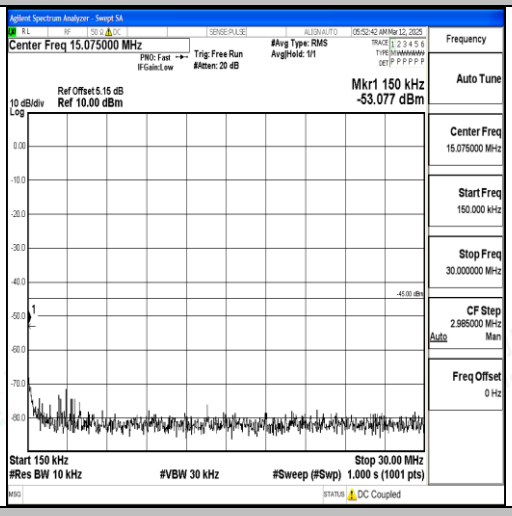
Band7_5MHz_16QAM_21100_1RB#0_1000~20000_1000~20000



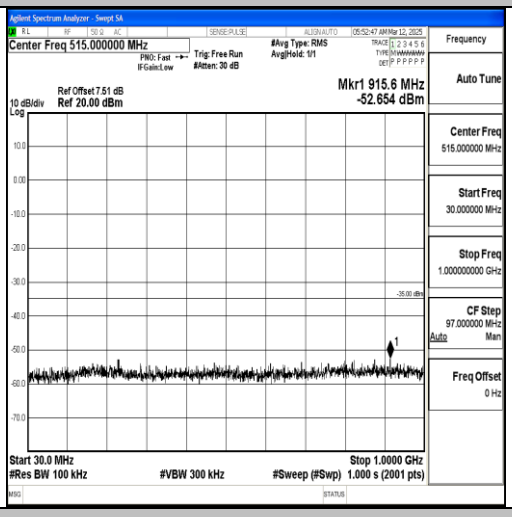
Band7_5MHz_16QAM_21100_1RB#0_20000~27000_20000~27000



Band7_5MHz_QPSK_21425_1RB#0_0.009~0.15_0.009~0.15



Band7_5MHz_QPSK_21425_1RB#0_0.15~30_0.15~30



Band7_5MHz_QPSK_21425_1RB#0_30~1000_30~1000

Appendix L: Test Data for E-UTRA Band 12

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

L.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	24.50	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.36	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	24.49	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.34	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	24.58	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.44	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	24.56	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	23.30	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	24.51	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	23.31	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	24.55	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	23.33	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	23.50	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.35	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	24.47	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	23.26	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	24.45	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	23.22	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	24.47	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	23.26	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	24.48	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	23.31	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	24.48	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	23.30	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	24.47	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	23.28	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	23.49	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	22.43	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	24.38	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	23.34	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	24.33	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	23.35	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	24.35	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	23.29	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	24.38	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	23.24	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	24.36	PASS

Band12	1.4MHz	16QAM	23173	3RB#1	23.24	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	24.32	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	23.19	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	23.39	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	22.41	PASS
Band12	3MHz	QPSK	23025	1RB#0	24.52	PASS
Band12	3MHz	16QAM	23025	1RB#0	23.49	PASS
Band12	3MHz	QPSK	23025	1RB#8	24.50	PASS
Band12	3MHz	16QAM	23025	1RB#8	23.51	PASS
Band12	3MHz	QPSK	23025	1RB#14	24.47	PASS
Band12	3MHz	16QAM	23025	1RB#14	23.49	PASS
Band12	3MHz	QPSK	23025	8RB#0	23.49	PASS
Band12	3MHz	16QAM	23025	8RB#0	22.51	PASS
Band12	3MHz	QPSK	23025	8RB#4	23.49	PASS
Band12	3MHz	16QAM	23025	8RB#4	22.50	PASS
Band12	3MHz	QPSK	23025	8RB#7	23.48	PASS
Band12	3MHz	16QAM	23025	8RB#7	22.49	PASS
Band12	3MHz	QPSK	23025	15RB#0	23.48	PASS
Band12	3MHz	16QAM	23025	15RB#0	22.50	PASS
Band12	3MHz	QPSK	23095	1RB#0	24.51	PASS
Band12	3MHz	16QAM	23095	1RB#0	23.42	PASS
Band12	3MHz	QPSK	23095	1RB#8	24.52	PASS
Band12	3MHz	16QAM	23095	1RB#8	23.34	PASS
Band12	3MHz	QPSK	23095	1RB#14	24.51	PASS
Band12	3MHz	16QAM	23095	1RB#14	23.33	PASS
Band12	3MHz	QPSK	23095	8RB#0	23.48	PASS
Band12	3MHz	16QAM	23095	8RB#0	22.48	PASS
Band12	3MHz	QPSK	23095	8RB#4	23.49	PASS
Band12	3MHz	16QAM	23095	8RB#4	22.47	PASS
Band12	3MHz	QPSK	23095	8RB#7	23.44	PASS
Band12	3MHz	16QAM	23095	8RB#7	22.46	PASS
Band12	3MHz	QPSK	23095	15RB#0	23.50	PASS
Band12	3MHz	16QAM	23095	15RB#0	22.37	PASS
Band12	3MHz	QPSK	23165	1RB#0	24.41	PASS
Band12	3MHz	16QAM	23165	1RB#0	23.21	PASS
Band12	3MHz	QPSK	23165	1RB#8	24.40	PASS
Band12	3MHz	16QAM	23165	1RB#8	23.18	PASS
Band12	3MHz	QPSK	23165	1RB#14	24.35	PASS
Band12	3MHz	16QAM	23165	1RB#14	23.18	PASS
Band12	3MHz	QPSK	23165	8RB#0	23.47	PASS
Band12	3MHz	16QAM	23165	8RB#0	22.43	PASS
Band12	3MHz	QPSK	23165	8RB#4	23.47	PASS
Band12	3MHz	16QAM	23165	8RB#4	22.43	PASS

Band12	3MHz	QPSK	23165	8RB#7	23.44	PASS
Band12	3MHz	16QAM	23165	8RB#7	22.40	PASS
Band12	3MHz	QPSK	23165	15RB#0	23.43	PASS
Band12	3MHz	16QAM	23165	15RB#0	22.33	PASS
Band12	5MHz	QPSK	23035	1RB#0	24.72	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.57	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.63	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.45	PASS
Band12	5MHz	QPSK	23035	1RB#24	24.58	PASS
Band12	5MHz	16QAM	23035	1RB#24	23.48	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.55	PASS
Band12	5MHz	16QAM	23035	12RB#0	22.52	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.53	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.51	PASS
Band12	5MHz	QPSK	23035	12RB#13	23.47	PASS
Band12	5MHz	16QAM	23035	12RB#13	22.46	PASS
Band12	5MHz	QPSK	23035	25RB#0	23.52	PASS
Band12	5MHz	16QAM	23035	25RB#0	22.52	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.65	PASS
Band12	5MHz	16QAM	23095	1RB#0	23.64	PASS
Band12	5MHz	QPSK	23095	1RB#12	24.62	PASS
Band12	5MHz	16QAM	23095	1RB#12	23.58	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.62	PASS
Band12	5MHz	16QAM	23095	1RB#24	23.59	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.54	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.61	PASS
Band12	5MHz	QPSK	23095	12RB#6	23.53	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.61	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.50	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.57	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.55	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.50	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.57	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.44	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.59	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.40	PASS
Band12	5MHz	QPSK	23155	1RB#24	24.53	PASS
Band12	5MHz	16QAM	23155	1RB#24	23.39	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.51	PASS
Band12	5MHz	16QAM	23155	12RB#0	22.52	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.52	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.53	PASS
Band12	5MHz	QPSK	23155	12RB#13	23.45	PASS

Band12	5MHz	16QAM	23155	12RB#13	22.47	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.53	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.54	PASS
Band12	10MHz	QPSK	23060	1RB#0	24.60	PASS
Band12	10MHz	16QAM	23060	1RB#0	23.57	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.44	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.41	PASS
Band12	10MHz	QPSK	23060	1RB#49	24.57	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.59	PASS
Band12	10MHz	QPSK	23060	25RB#0	23.51	PASS
Band12	10MHz	16QAM	23060	25RB#0	22.46	PASS
Band12	10MHz	QPSK	23060	25RB#12	23.50	PASS
Band12	10MHz	16QAM	23060	25RB#12	22.46	PASS
Band12	10MHz	QPSK	23060	25RB#25	23.54	PASS
Band12	10MHz	16QAM	23060	25RB#25	22.50	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.51	PASS
Band12	10MHz	16QAM	23060	50RB#0	22.49	PASS
Band12	10MHz	QPSK	23095	1RB#0	24.55	PASS
Band12	10MHz	16QAM	23095	1RB#0	23.39	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.51	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.35	PASS
Band12	10MHz	QPSK	23095	1RB#49	24.53	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.39	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.51	PASS
Band12	10MHz	16QAM	23095	25RB#0	22.52	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.51	PASS
Band12	10MHz	16QAM	23095	25RB#12	22.51	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.51	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.52	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.52	PASS
Band12	10MHz	16QAM	23095	50RB#0	22.52	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.50	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.32	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.42	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.23	PASS
Band12	10MHz	QPSK	23130	1RB#49	24.42	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.26	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.50	PASS
Band12	10MHz	16QAM	23130	25RB#0	22.51	PASS
Band12	10MHz	QPSK	23130	25RB#12	23.49	PASS
Band12	10MHz	16QAM	23130	25RB#12	22.50	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.43	PASS
Band12	10MHz	16QAM	23130	25RB#25	22.46	PASS

Band12	10MHz	QPSK	23130	50RB#0	23.48	PASS
Band12	10MHz	16QAM	23130	50RB#0	22.48	PASS

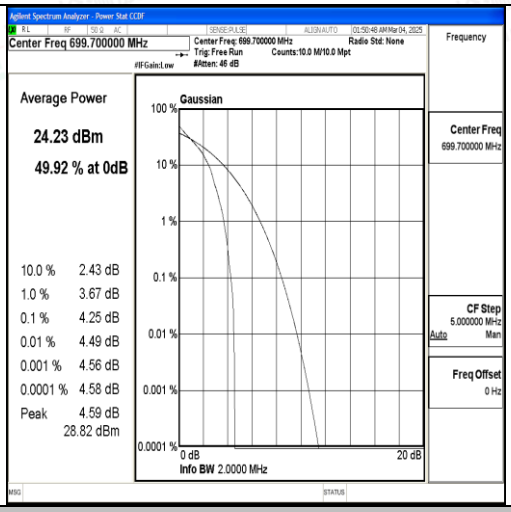
L.2 Peak-to-Average Ratio(CCDF)

Test Result

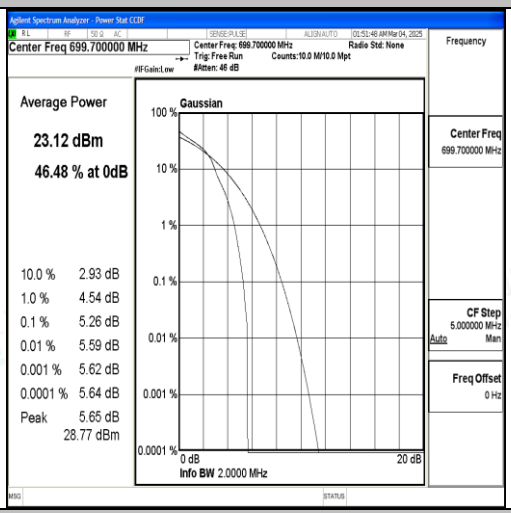
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.25	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.26	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.05	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.86	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.07	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.09	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	4.93	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.74	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.13	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.15	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.91	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.73	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.26	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.16	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.17	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.96	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	3.99	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	4.93	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	4.96	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.78	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.23	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.17	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.02	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.83	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.28	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.00	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.37	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.05	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.04	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	4.81	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.27	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.95	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.25	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	4.99	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.30	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.99	13	PASS

Band12	10MHz	QPSK	23060	1RB#0	4.26	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.16	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.33	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.04	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.25	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.17	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.30	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.02	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	3.92	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	4.85	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.23	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.98	13	PASS

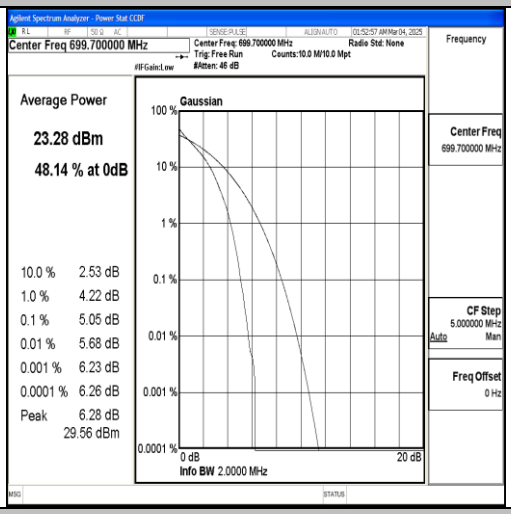
Test Graphs



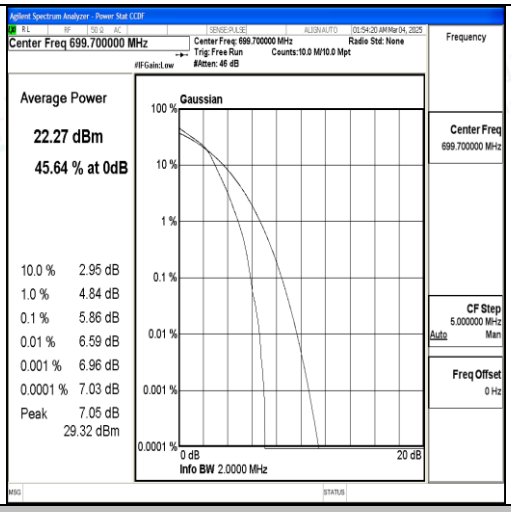
Band12-1.4MHz-QPSK-23017-1RB#0-PASS



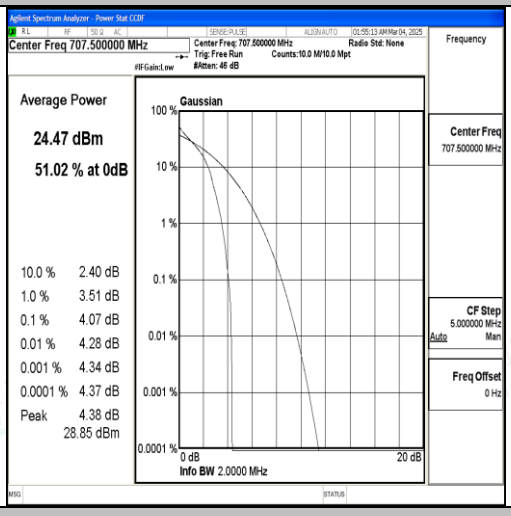
Band12-1.4MHz-16QAM-23017-1RB#0-PASS



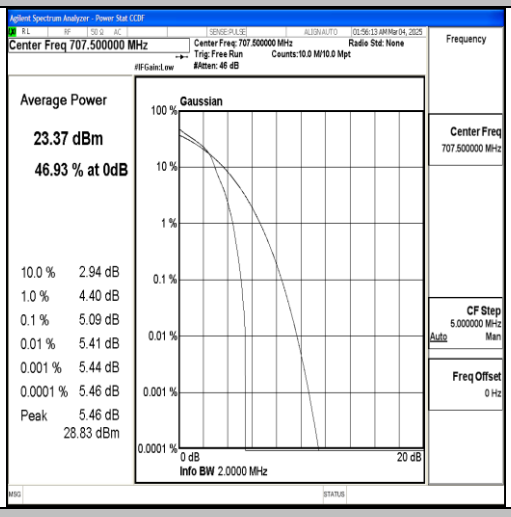
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



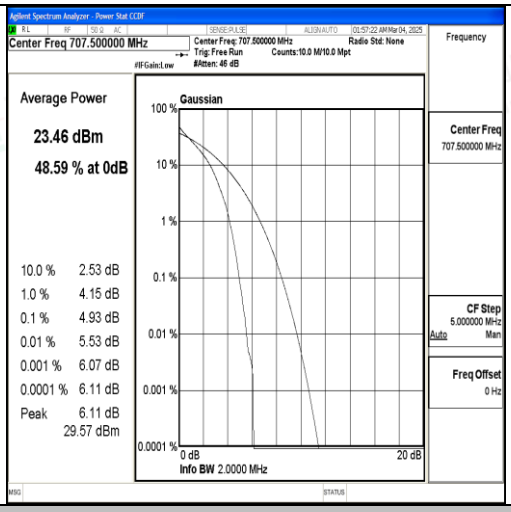
Band12-1.4MHz-16QAM-23017-6RB#0-PASS



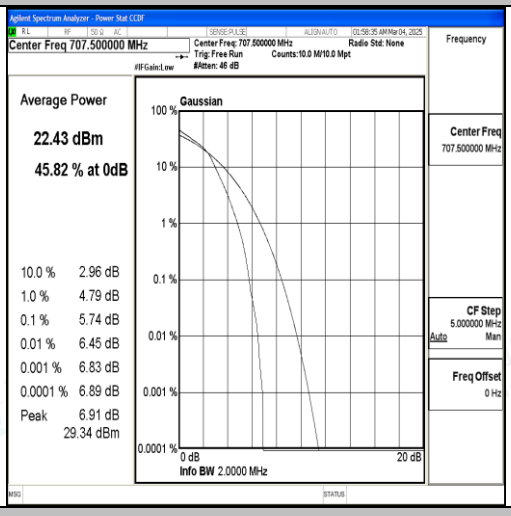
Band12-1.4MHz-QPSK-23095-1RB#0-PASS



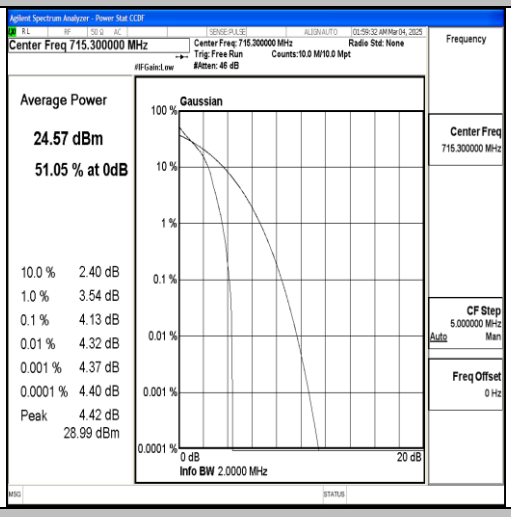
Band12-1.4MHz-16QAM-23095-1RB#0-PASS



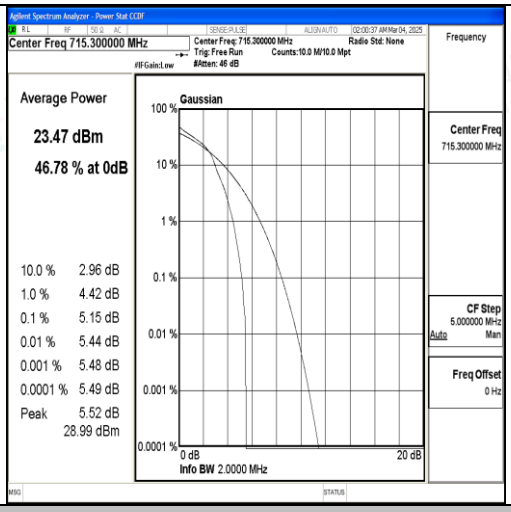
Band12-1.4MHz-QPSK-23095-6RB#0-PASS



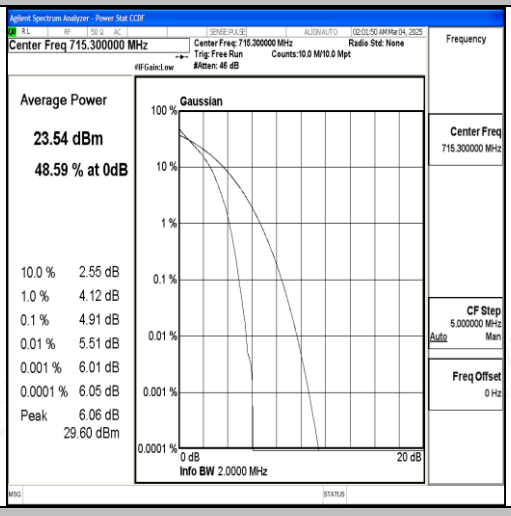
Band12-1.4MHz-16QAM-23095-6RB#0-PASS



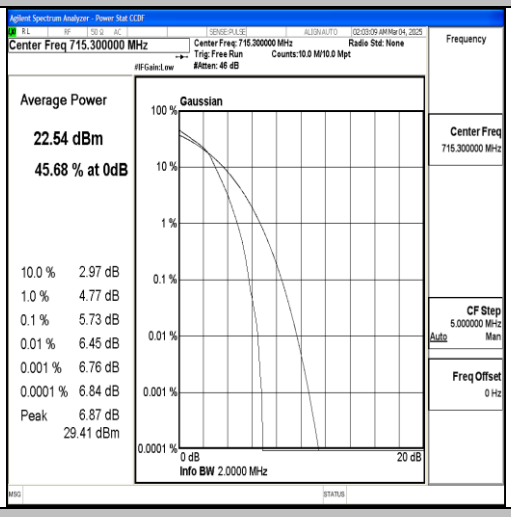
Band12-1.4MHz-QPSK-23173-1RB#0-PASS



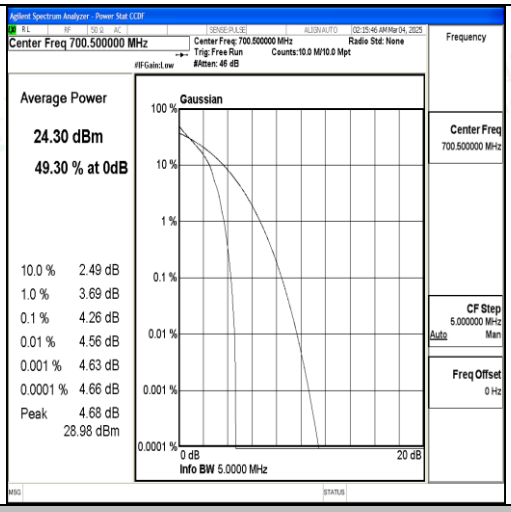
Band12-1.4MHz-16QAM-23173-1RB#0-PASS



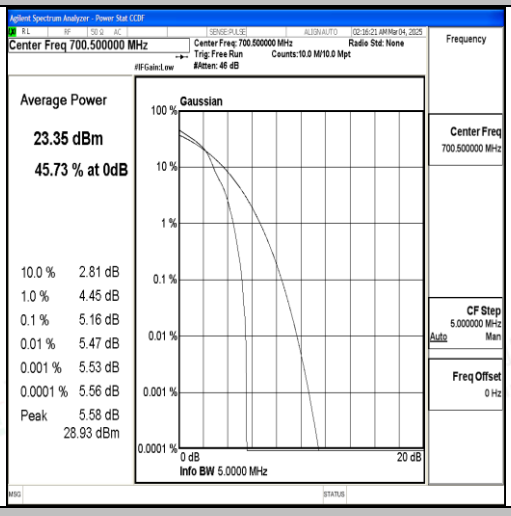
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



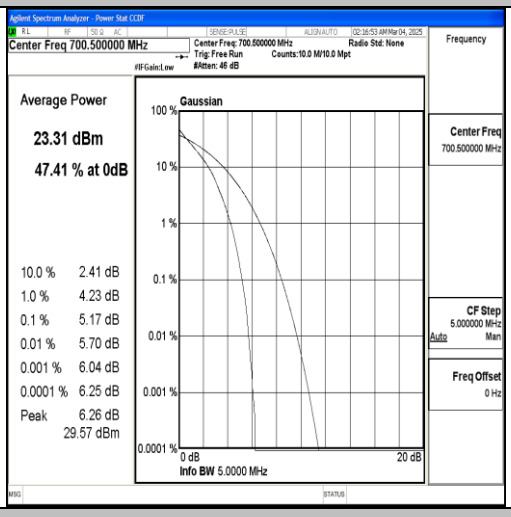
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



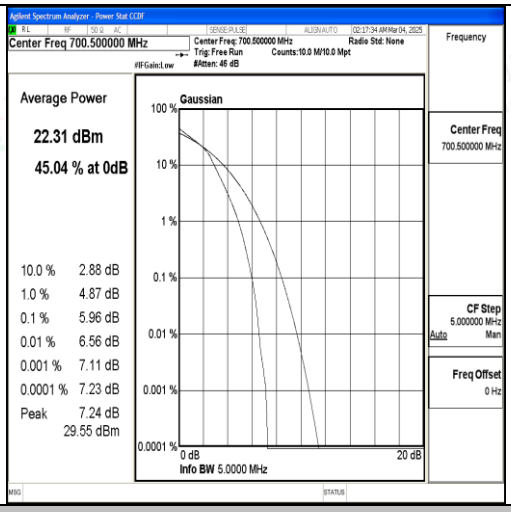
Band12-3MHz-QPSK-23025-1RB#0-PASS



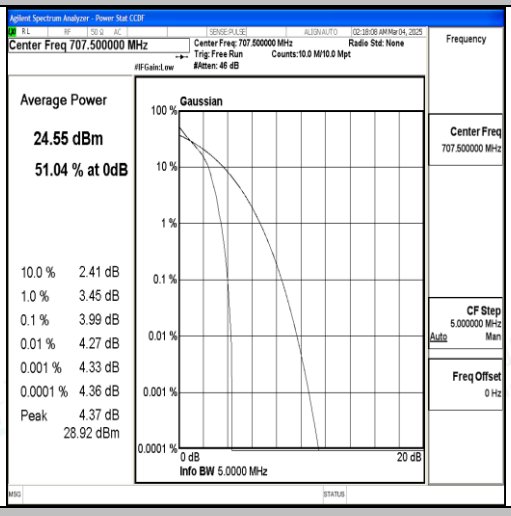
Band12-3MHz-16QAM-23025-1RB#0-PASS



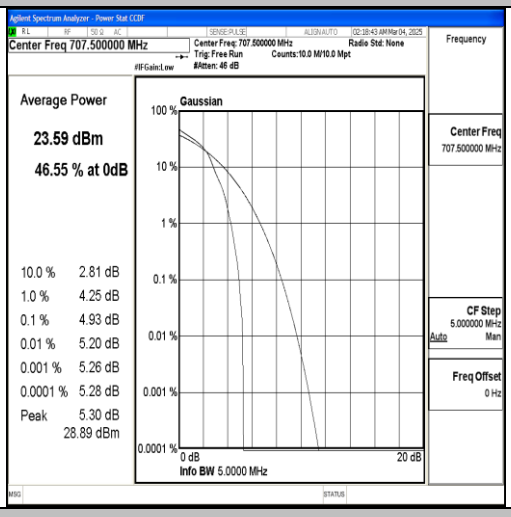
Band12-3MHz-QPSK-23025-15RB#0-PASS



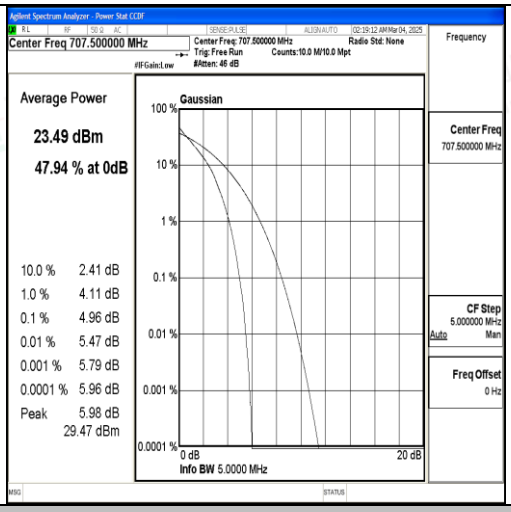
Band12-3MHz-16QAM-23025-15RB#0-PASS



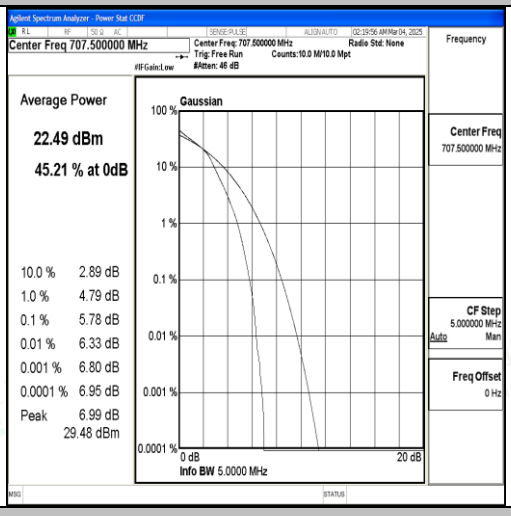
Band12-3MHz-QPSK-23095-1RB#0-PASS



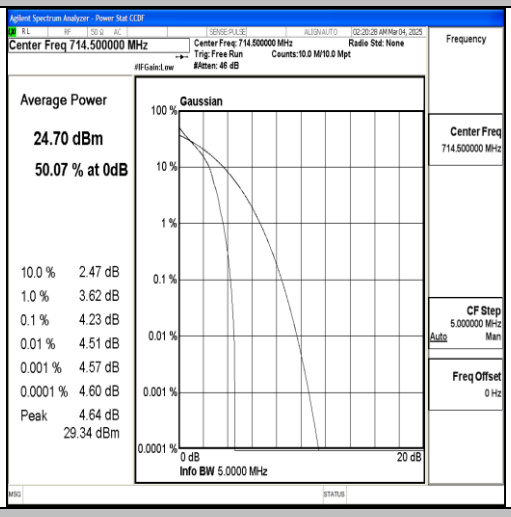
Band12-3MHz-16QAM-23095-1RB#0-PASS



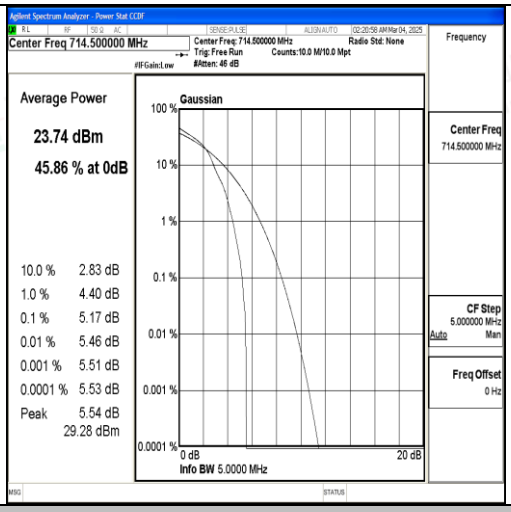
Band12-3MHz-QPSK-23095-15RB#0-PASS



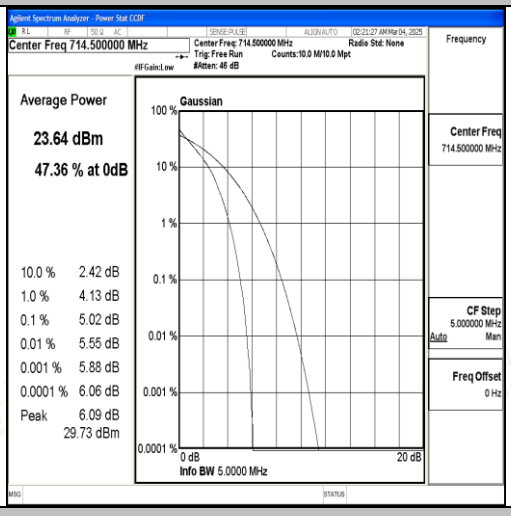
Band12-3MHz-16QAM-23095-15RB#0-PASS



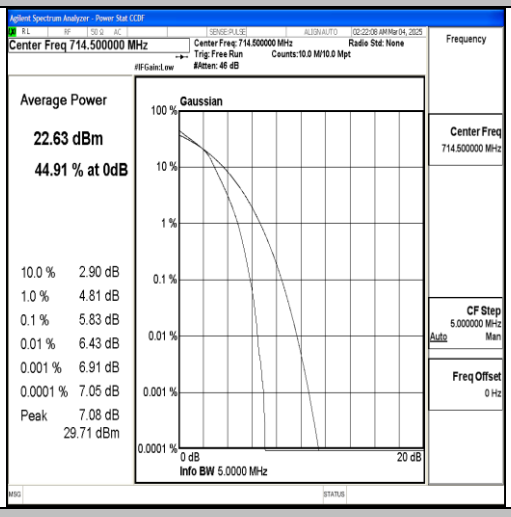
Band12-3MHz-QPSK-23165-1RB#0-PASS



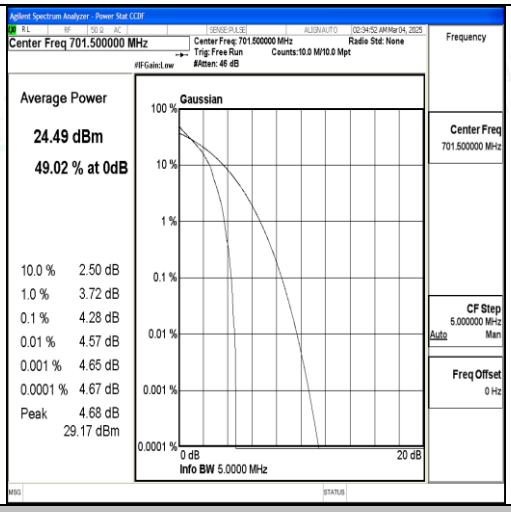
Band12-3MHz-16QAM-23165-1RB#0-PASS



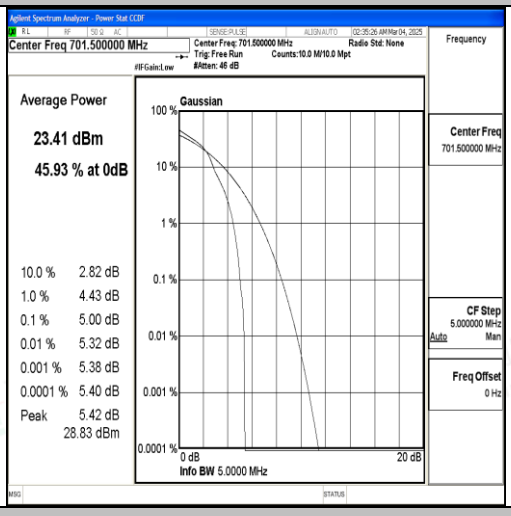
Band12-3MHz-QPSK-23165-15RB#0-PASS



Band12-3MHz-16QAM-23165-15RB#0-PASS



Band12-5MHz-QPSK-23035-1RB#0-PASS



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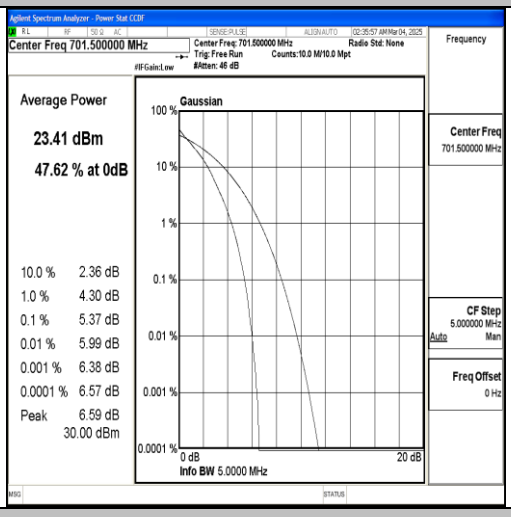

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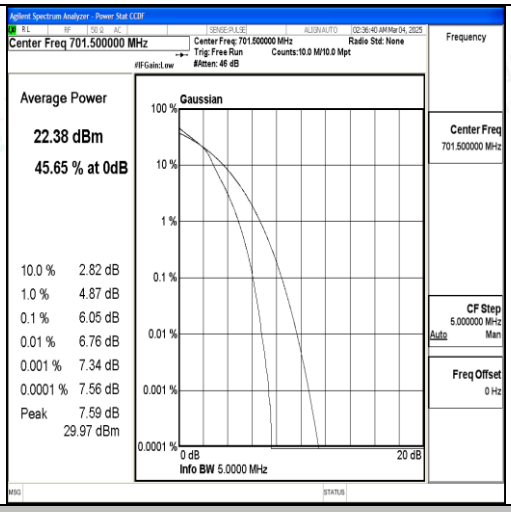

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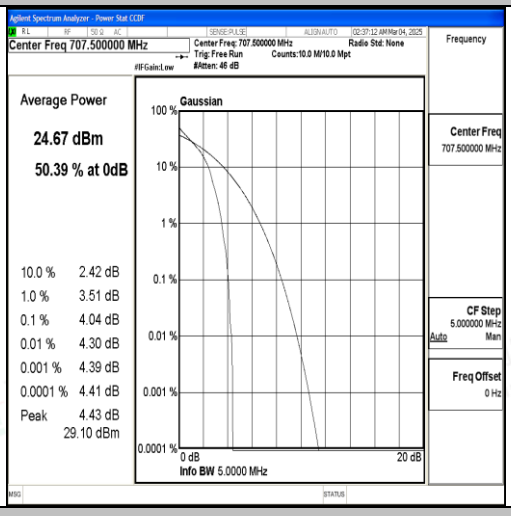

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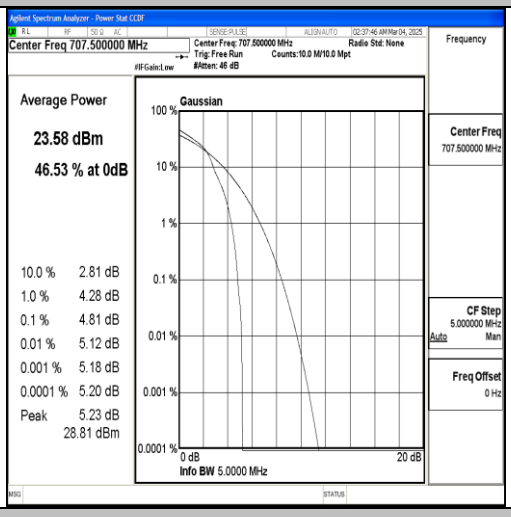

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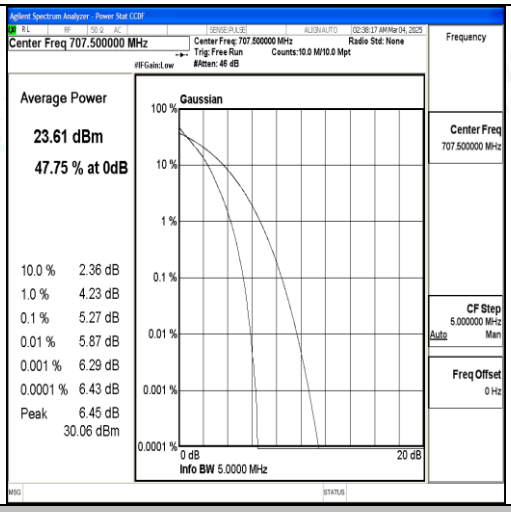

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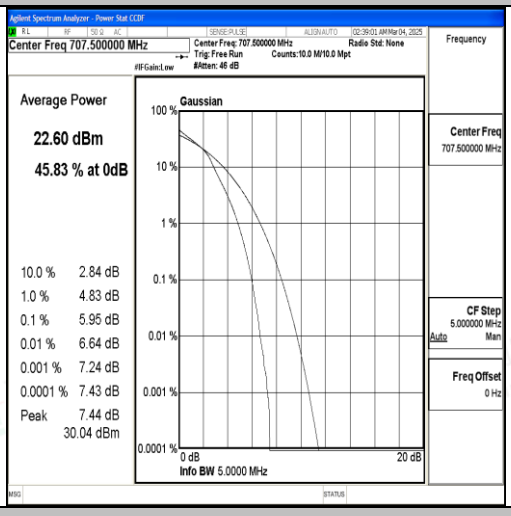

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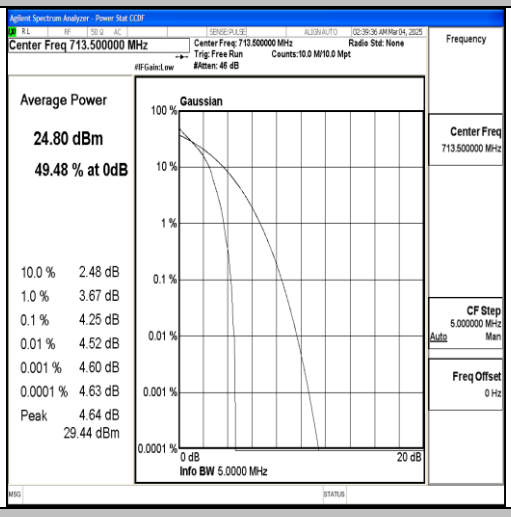

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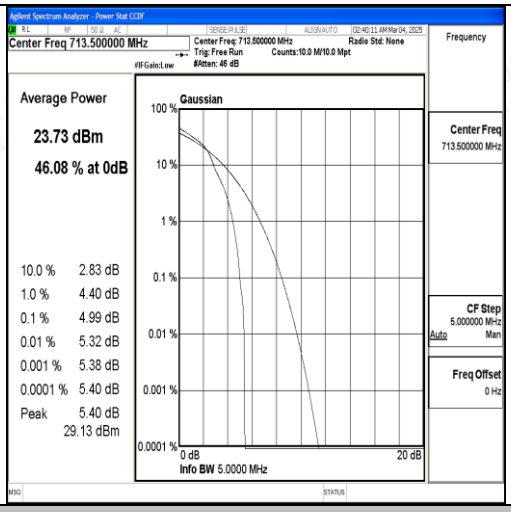

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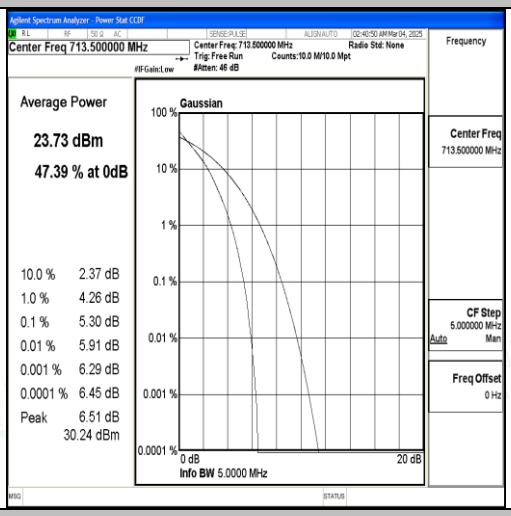

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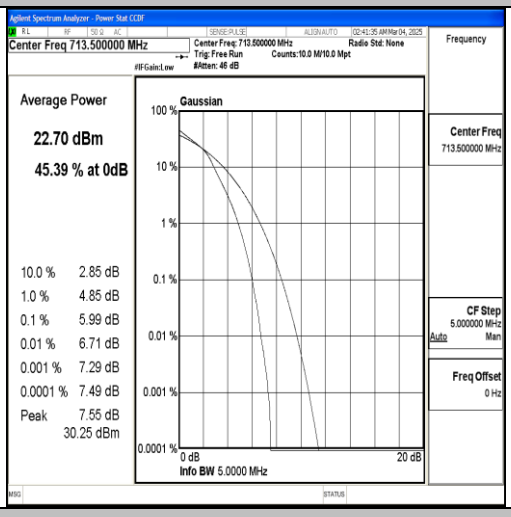

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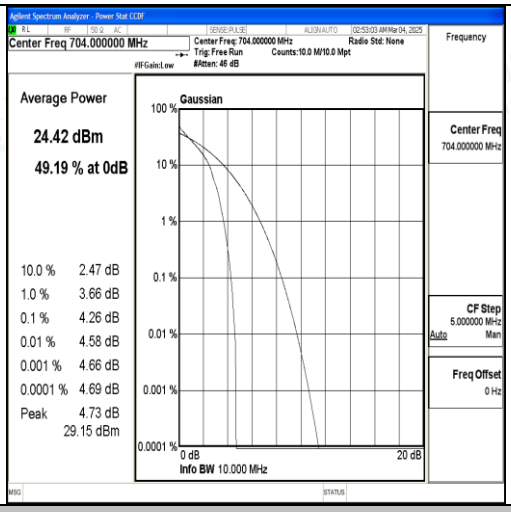

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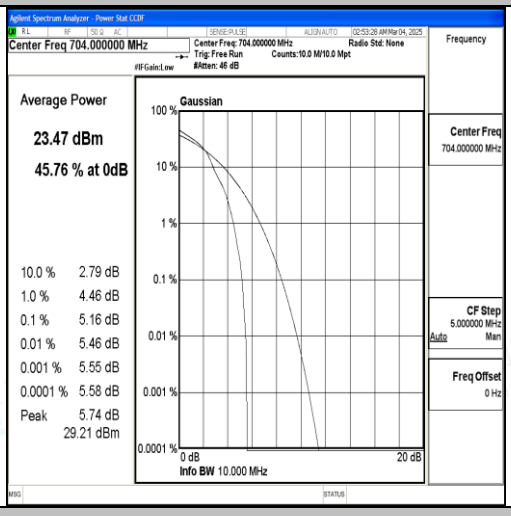

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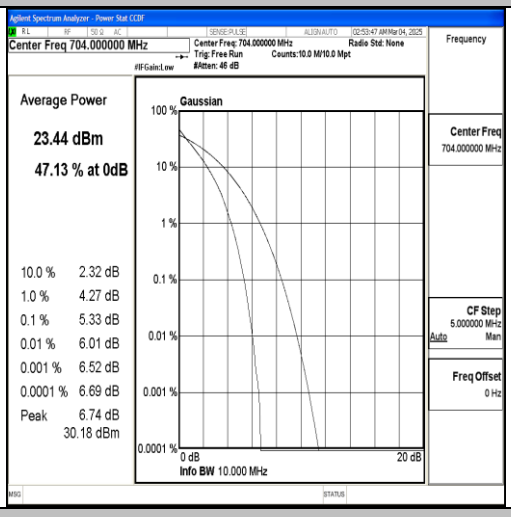

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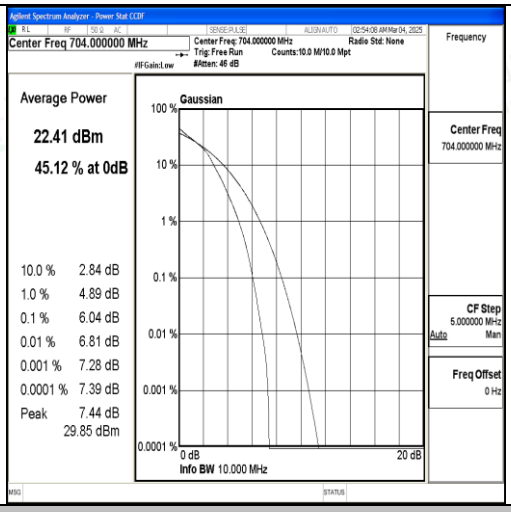

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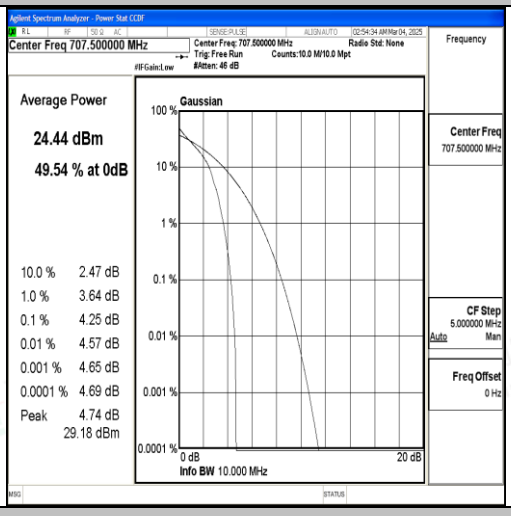

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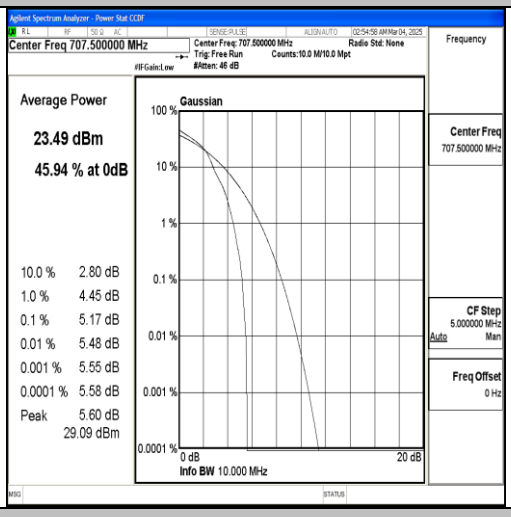

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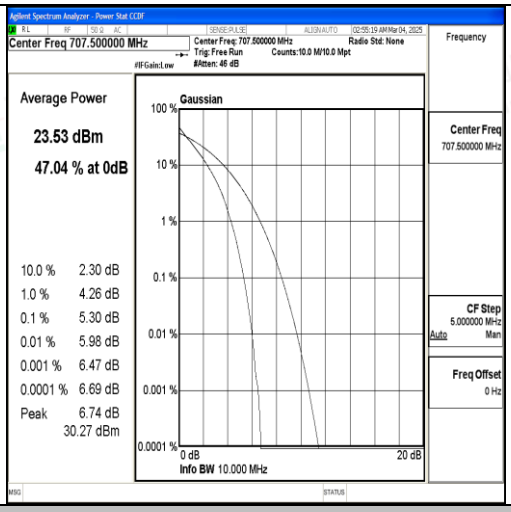

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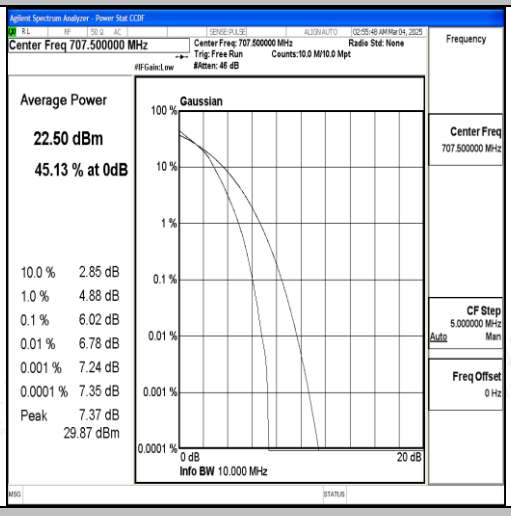

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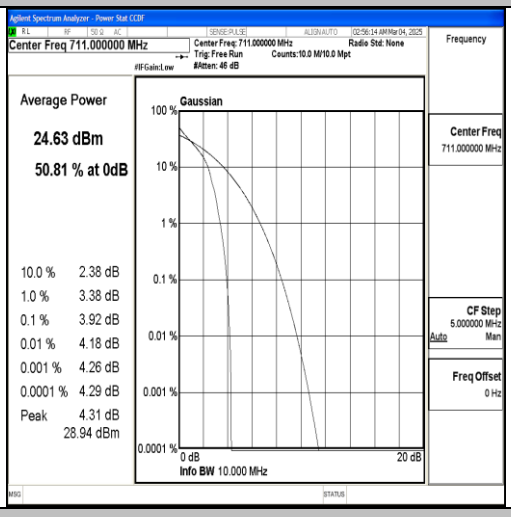
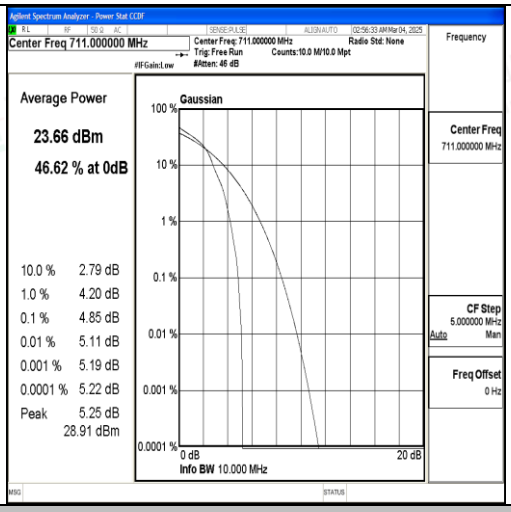
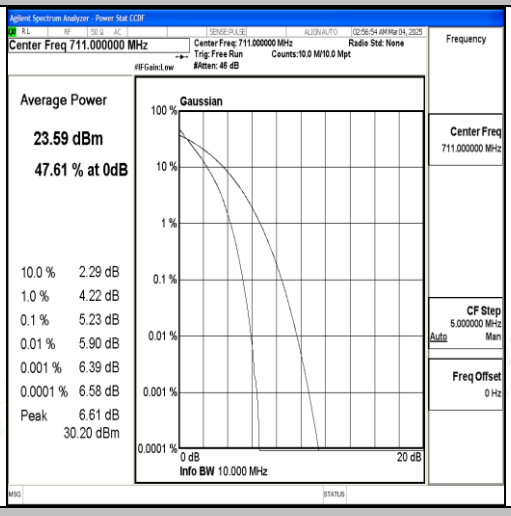


Band12-10MHz-QPSK-23130-1RB#0-PASS



Band12-10MHz-16QAM-23130-1RB#0-PASS



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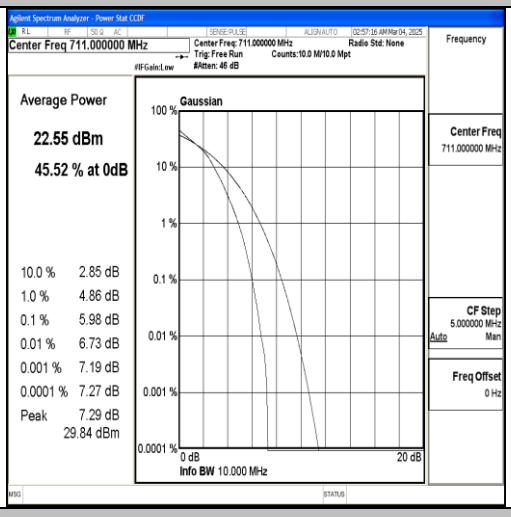


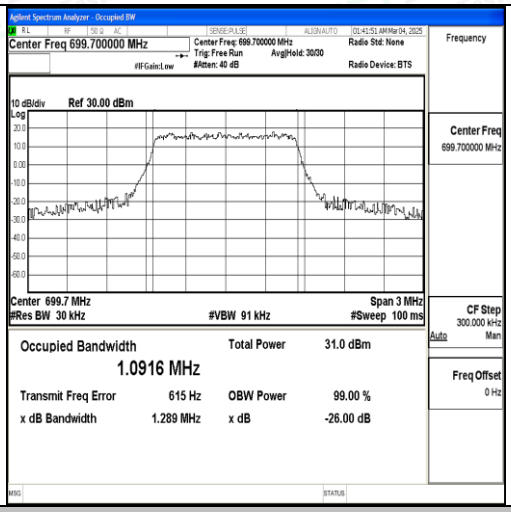
Band12-10MHz-16QAM-23130-50RB#0-PASS

L.3 26dB Bandwidth and Occupied Bandwidth

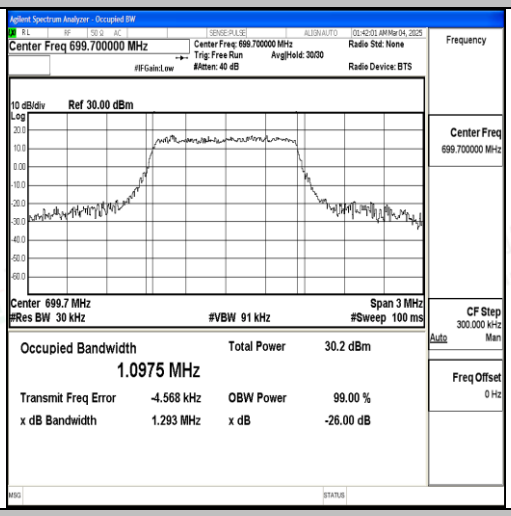
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0916	1.289	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0975	1.293	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0938	1.288	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0966	1.301	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0918	1.306	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0977	1.303	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7302	3.026	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.7204	2.990	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7291	3.031	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7182	2.997	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7295	3.032	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7160	2.992	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4977	4.984	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4930	4.951	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4949	5.507	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5014	4.931	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4994	4.992	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4982	4.933	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9870	9.839	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9775	9.854	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9911	9.826	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9986	10.08	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9702	9.901	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9689	9.762	PASS

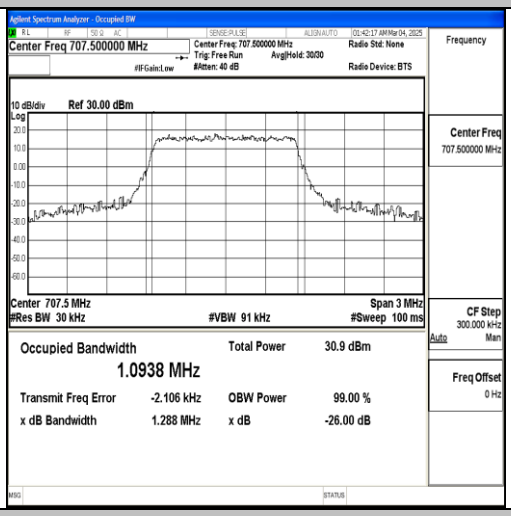
Test Graphs



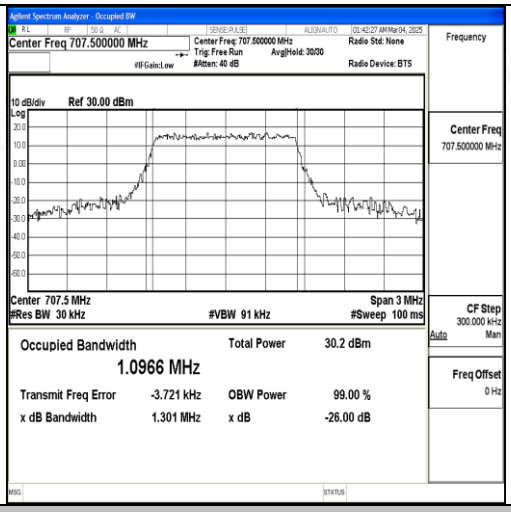
Band12-1.4MHz-QPSK-23017-6RB#0-PASS



Band12-1.4MHz-16QAM-23017-6RB#0-PASS



Band12-1.4MHz-QPSK-23095-6RB#0-PASS



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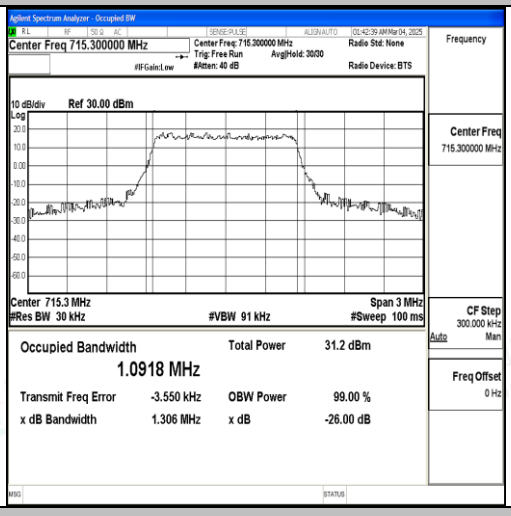
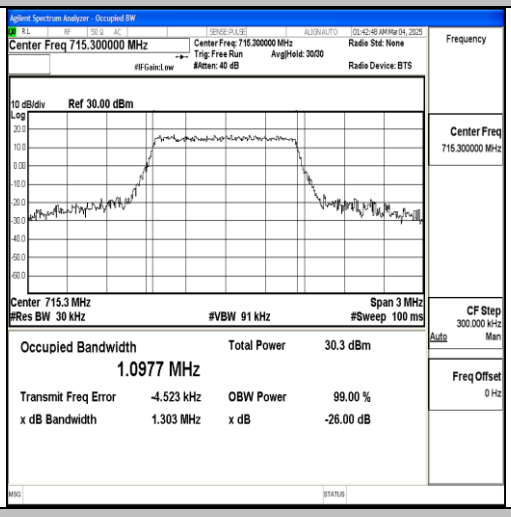
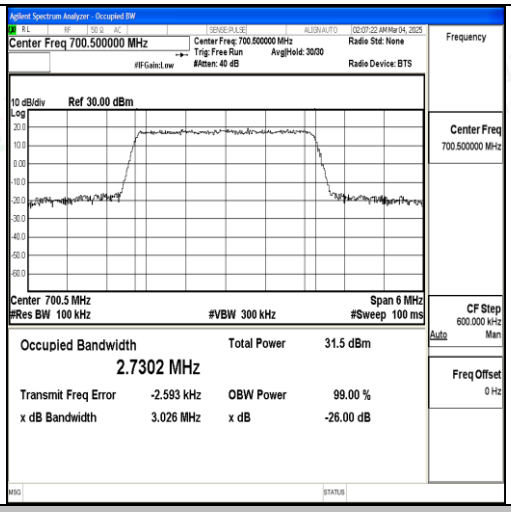


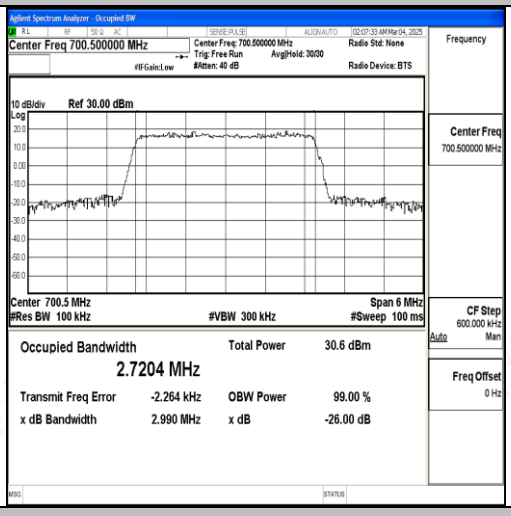
Band12-1.4MHz-QPSK-23173-6RB#0-PASS



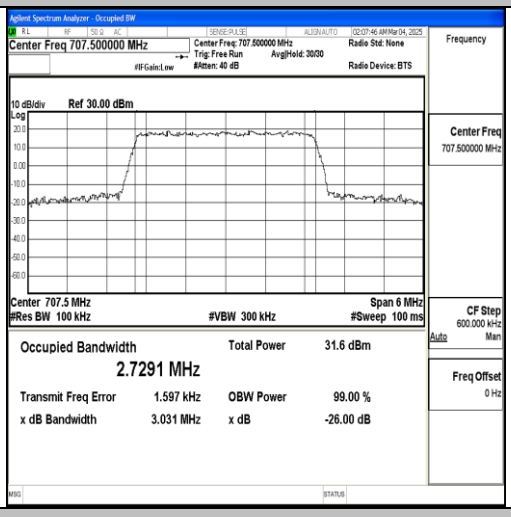
Band12-1.4MHz-16QAM-23173-6RB#0-PASS



Band12-3MHz-QPSK-23025-15RB#0-PASS



Band12-3MHz-16QAM-23025-15RB#0-PASS



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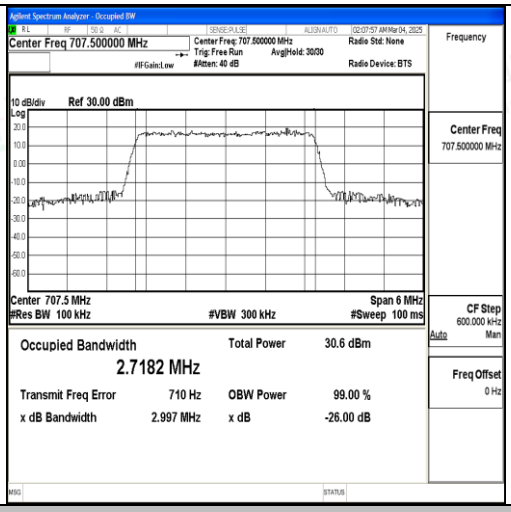

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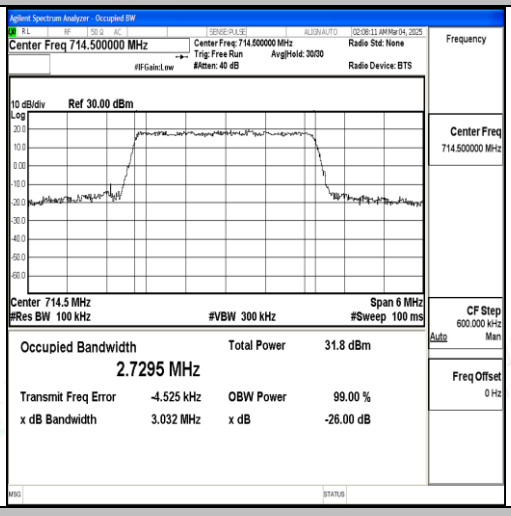
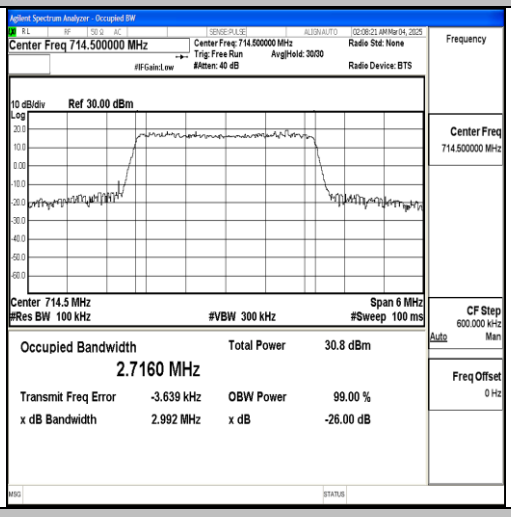


Band12-3MHz-QPSK-23165-15RB#0-PASS



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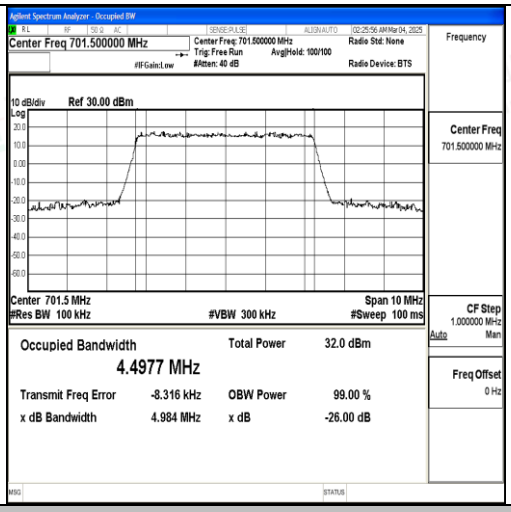
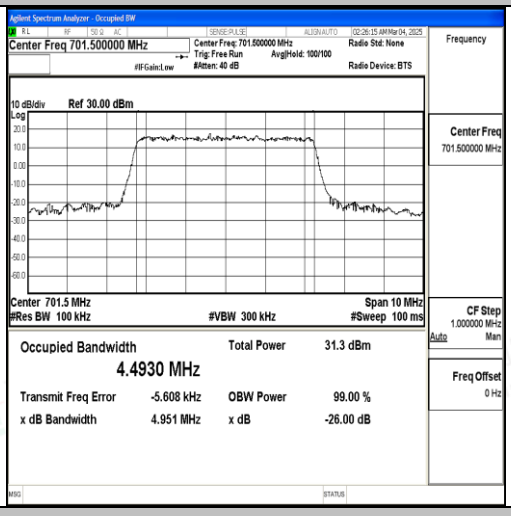


Band12-5MHz-QPSK-23035-25RB#0-PASS



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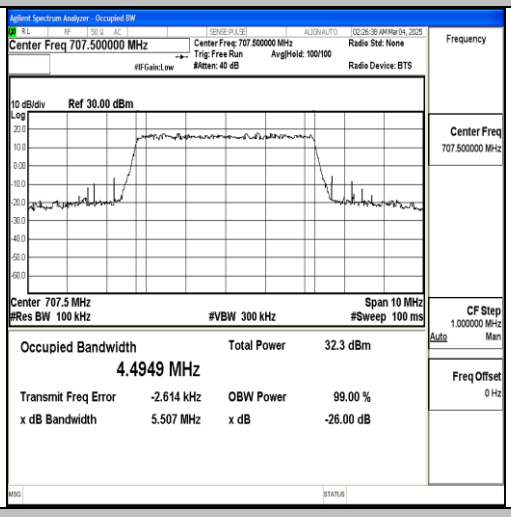

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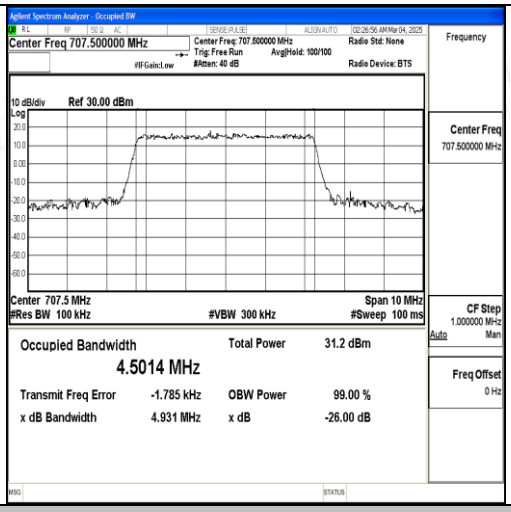
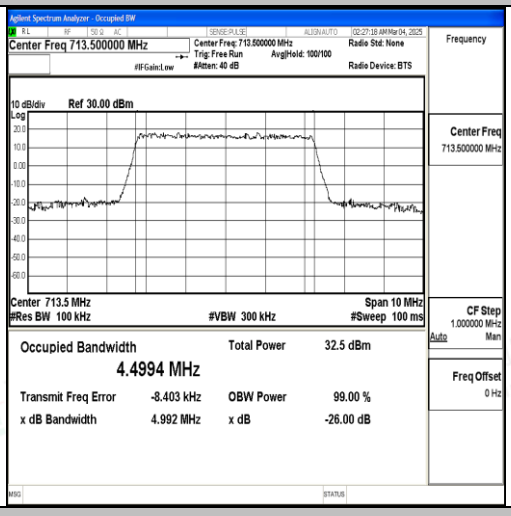
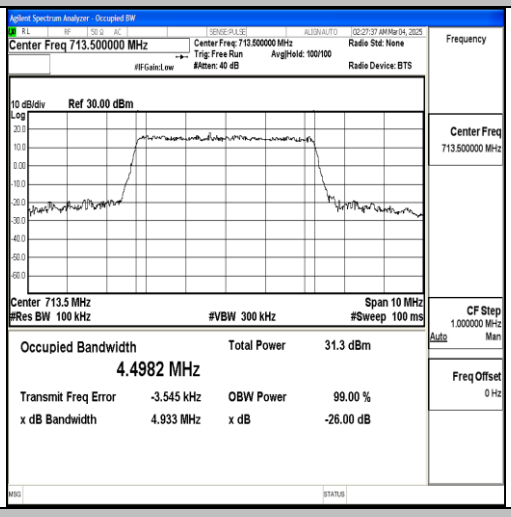


Band12-5MHz-16QAM-23095-25RB#0-PASS



Band12-5MHz-QPSK-23155-25RB#0-PASS



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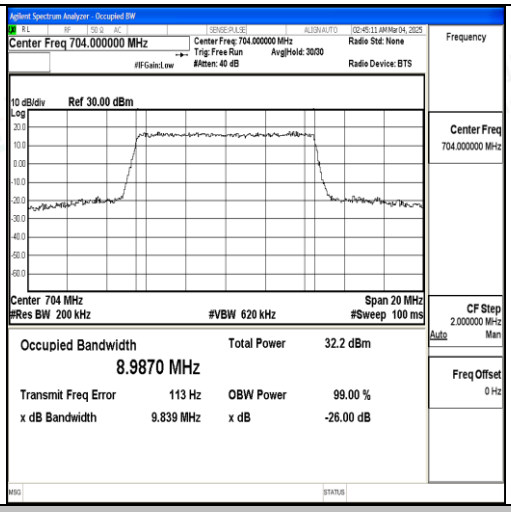
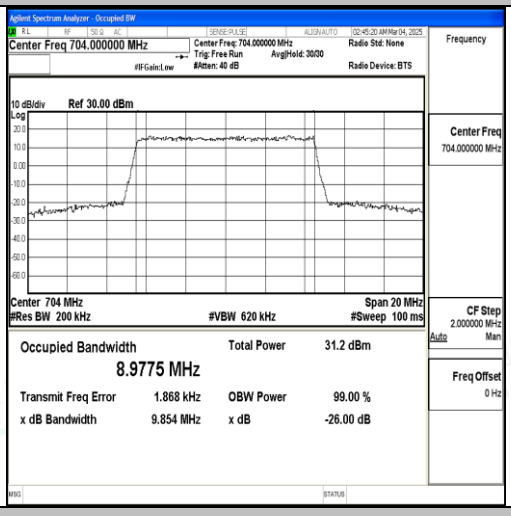


Band12-10MHz-QPSK-23060-50RB#0-PASS



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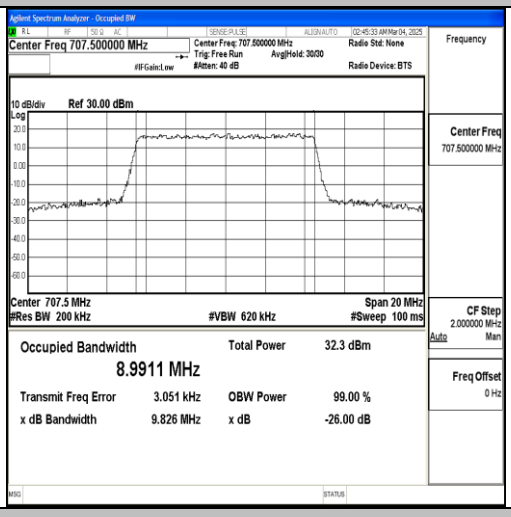

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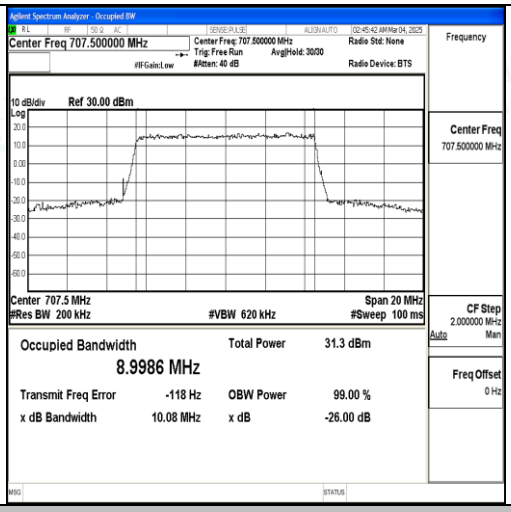

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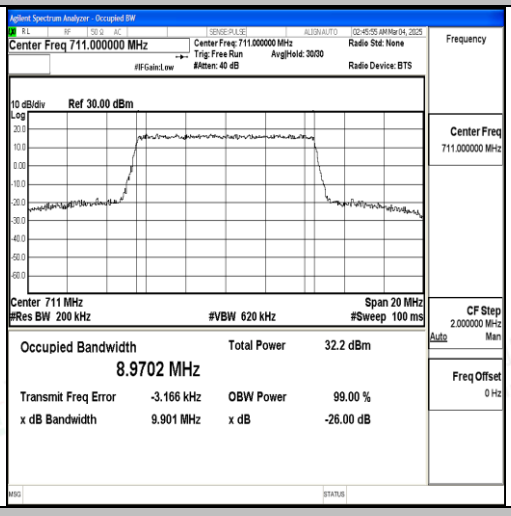
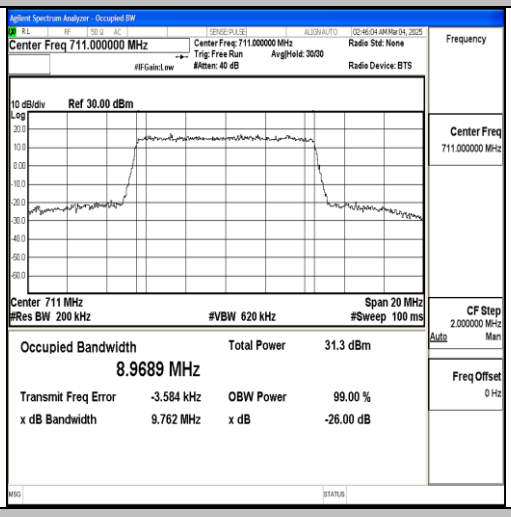


Band12-10MHz-QPSK-23130-50RB#0-PASS



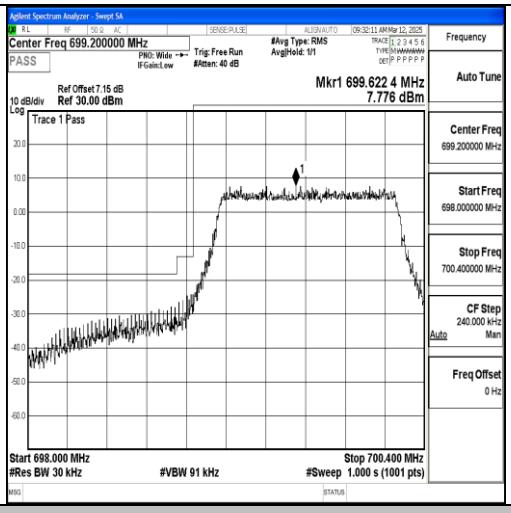
Band12-10MHz-16QAM-23130-50RB#0-PASS

L.4 Band Edge

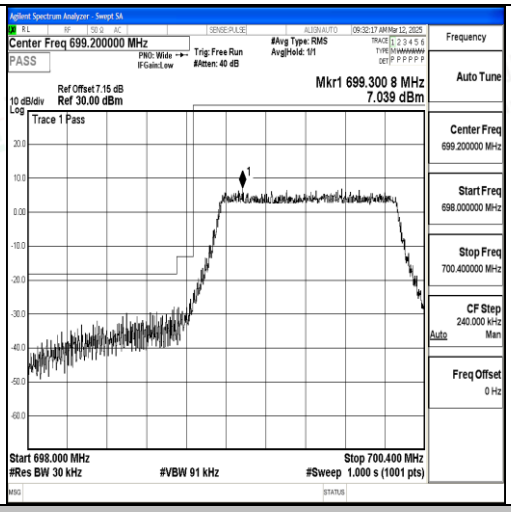
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	698.87	-27.84	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	698.89	-27.95	PASS
Band12	3MHz	QPSK	23025	15RB#0	699.00	-17.14	PASS
Band12	3MHz	16QAM	23025	15RB#0	698.99	-19.63	PASS
Band12	3MHz	QPSK	23165	15RB#0	716.02	-17.20	PASS
Band12	3MHz	16QAM	23165	15RB#0	716.01	-17.17	PASS
Band12	5MHz	QPSK	23035	25RB#0	698.89	-25.54	PASS
Band12	5MHz	16QAM	23035	25RB#0	699.00	-21.29	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	716.12	-26.64	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	716.18	-27.54	PASS
Band12	5MHz	QPSK	23155	25RB#0	716.00	-19.90	PASS
Band12	5MHz	16QAM	23155	25RB#0	716.23	-26.04	PASS
Band12	10MHz	QPSK	23060	50RB#0	698.81	-28.42	PASS
Band12	10MHz	16QAM	23060	50RB#0	698.80	-31.23	PASS
Band12	10MHz	QPSK	23130	50RB#0	716.14	-28.33	PASS
Band12	10MHz	16QAM	23130	50RB#0	716.42	-31.63	PASS

Test Graphs



Band12_1.4MHz_QPSK_23017_6RB#0



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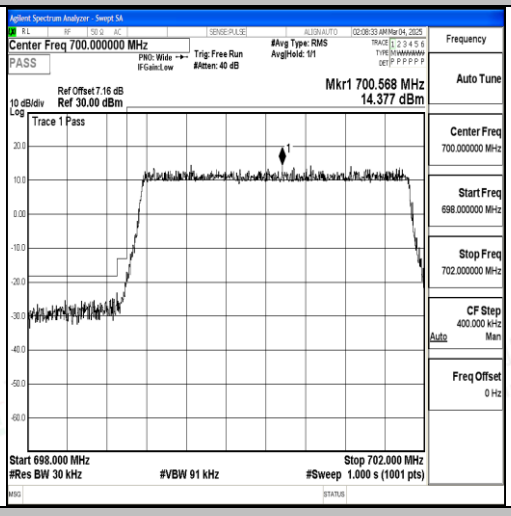
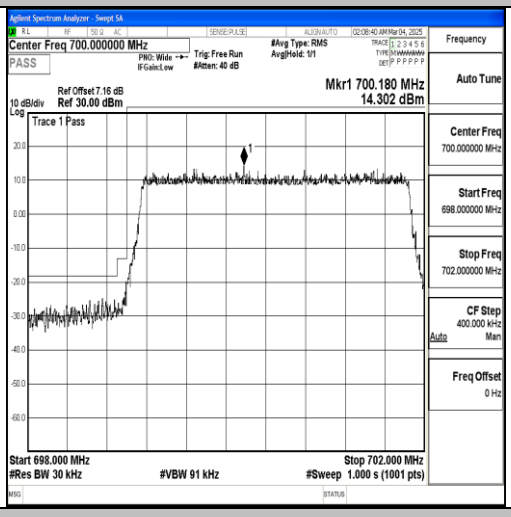
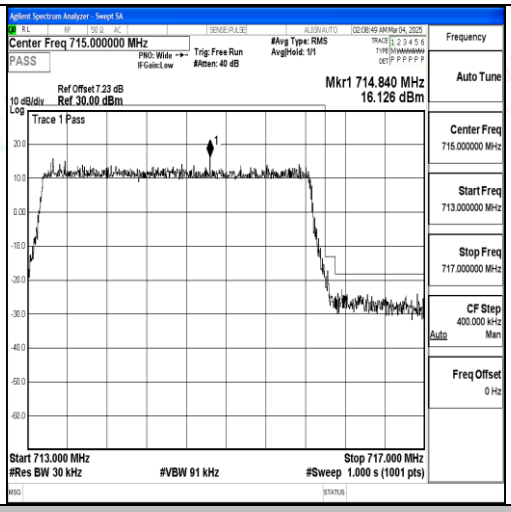


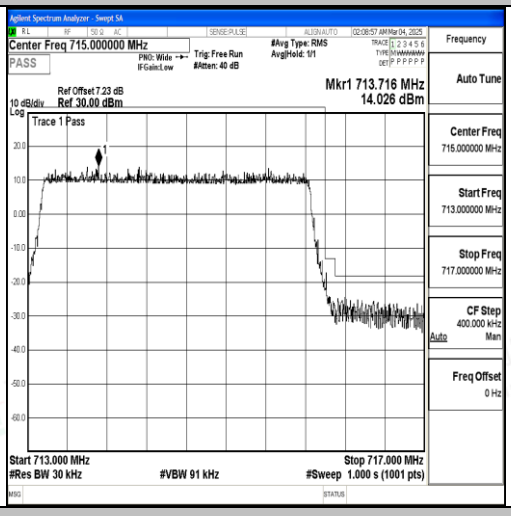
Band12_3MHz_QPSK_23025_15RB#0



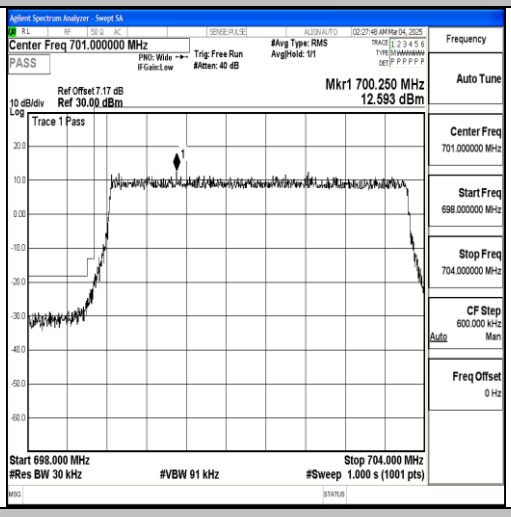
Band12_3MHz_16QAM_23025_15RB#0



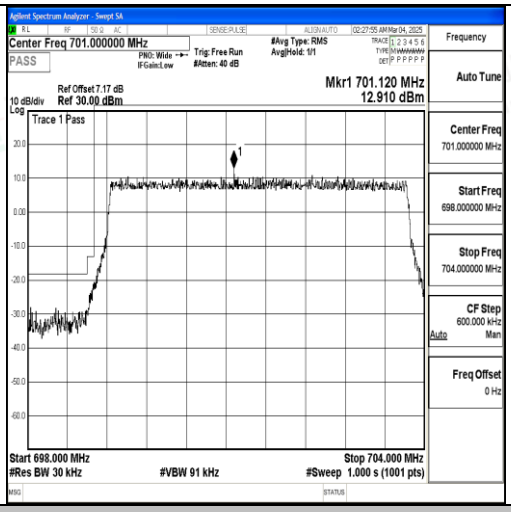
Band12_3MHz_QPSK_23165_15RB#0



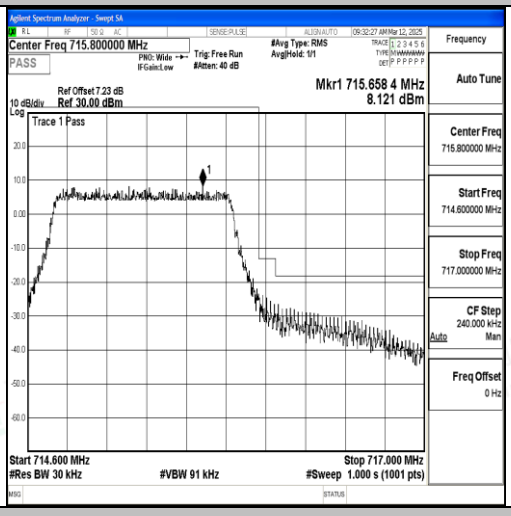
Band12_3MHz_16QAM_23165_15RB#0



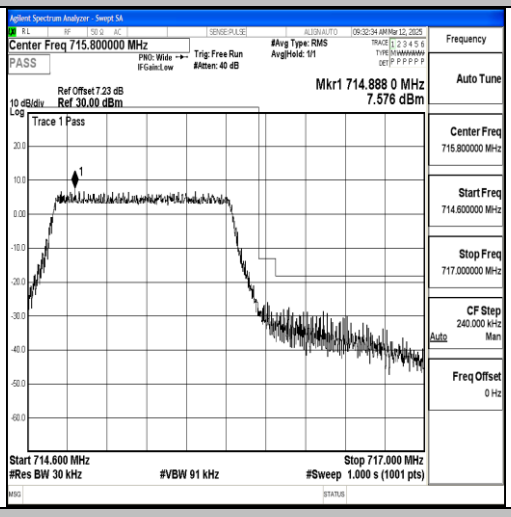
Band12_5MHz_QPSK_23035_25RB#0



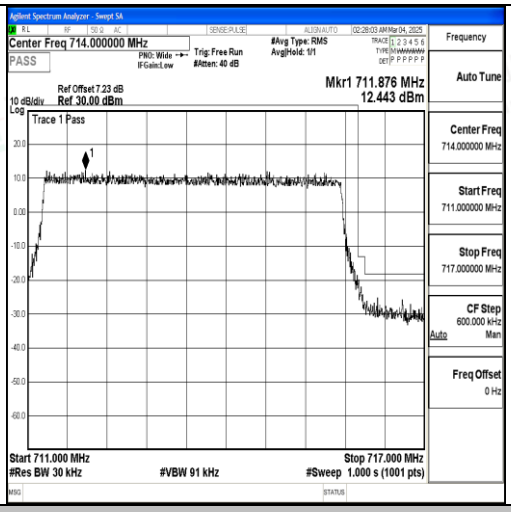
Band12_5MHz_16QAM_23035_25RB#0



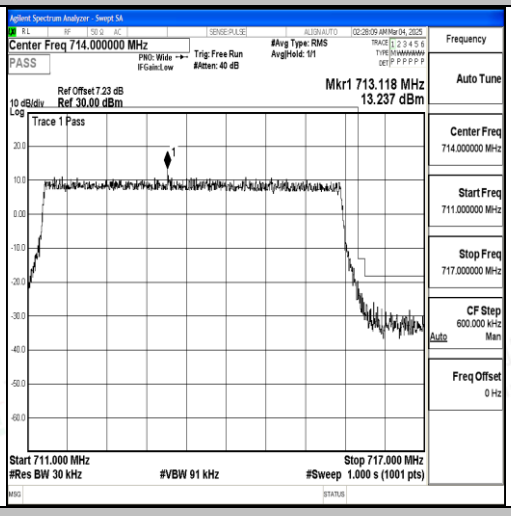
Band12_1.4MHz_QPSK_23173_6RB#0



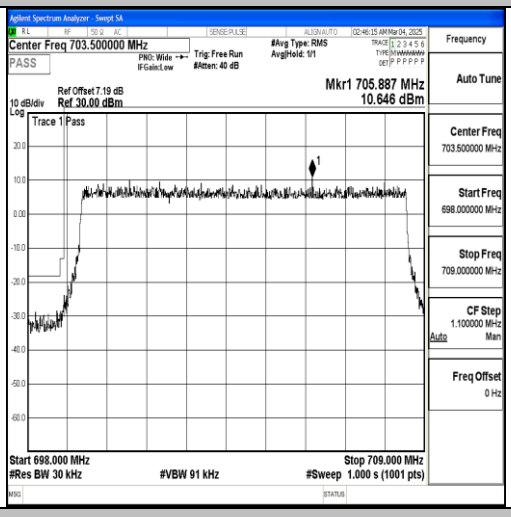
Band12_1.4MHz_16QAM_23173_6RB#0



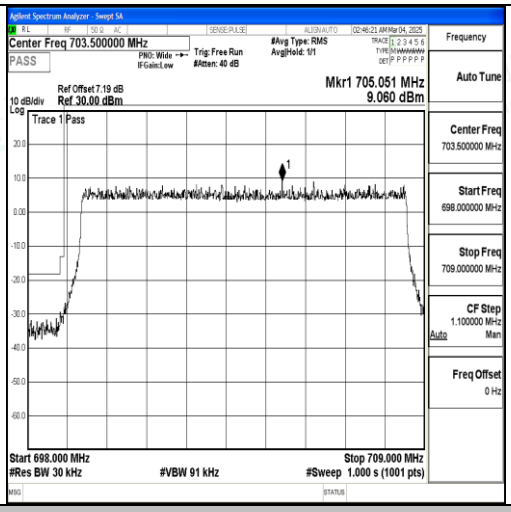
Band12_5MHz_QPSK_23155_25RB#0



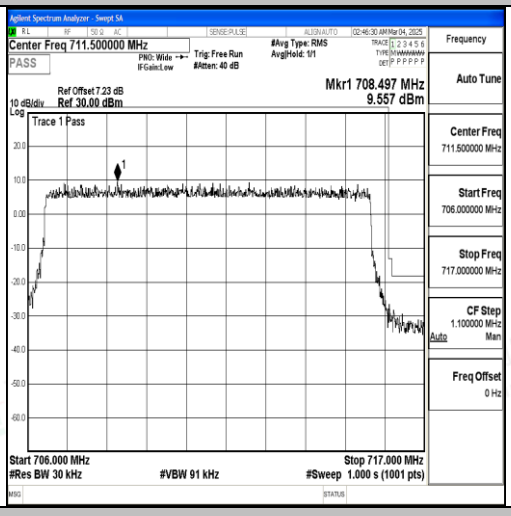
Band12_5MHz_16QAM_23155_25RB#0



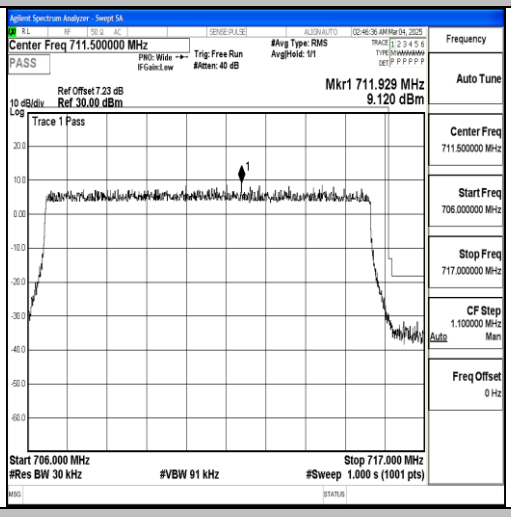
Band12_10MHz_QPSK_23060_50RB#0



Band12_10MHz_16QAM_23060_50RB#0



Band12_10MHz_QPSK_23130_50RB#0



Band12_10MHz_16QAM_23130_50RB#0

L.5 Conducted Spurious Emission

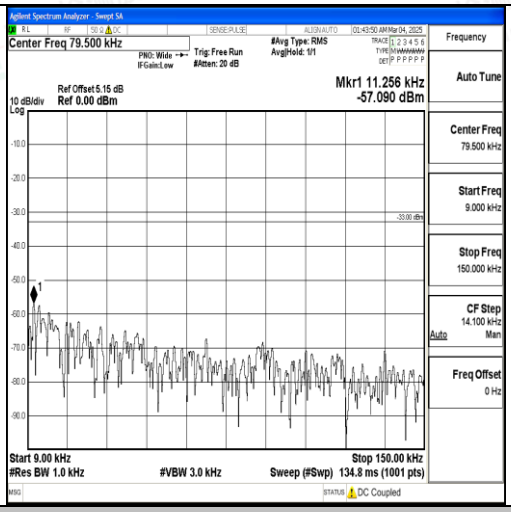
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	0.009~0.15	-57.09	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	0.15~30	-44.90	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	30~1000	-48.45	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	1000~3000	-36.49	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	3000~10000	-35.12	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.009~0.15	-55.88	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	0.15~30	-44.90	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	30~1000	-49.48	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	1000~3000	-36.09	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	3000~10000	-35.69	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.009~0.15	-56.99	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	0.15~30	-44.48	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	30~1000	-48.67	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	1000~3000	-35.72	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3000~10000	-35.38	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.009~0.15	-57.07	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	0.15~30	-45.24	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	30~1000	-48.41	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	1000~3000	-34.91	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	3000~10000	-35.29	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.009~0.15	-58.95	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	0.15~30	-47.55	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	30~1000	-49.65	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	1000~3000	-35.03	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3000~10000	-34.91	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.009~0.15	-58.06	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	0.15~30	-45.59	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	30~1000	-48.98	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	1000~3000	-35.52	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3000~10000	-35.41	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.009~0.15	-55.86	PASS
Band12	3MHz	QPSK	23025	1RB#0	0.15~30	-46.24	PASS
Band12	3MHz	QPSK	23025	1RB#0	30~1000	-52.53	PASS
Band12	3MHz	QPSK	23025	1RB#0	1000~3000	-34.38	PASS
Band12	3MHz	QPSK	23025	1RB#0	3000~10000	-35.16	PASS
Band12	3MHz	16QAM	23025	1RB#0	0.009~0.15	-57.84	PASS

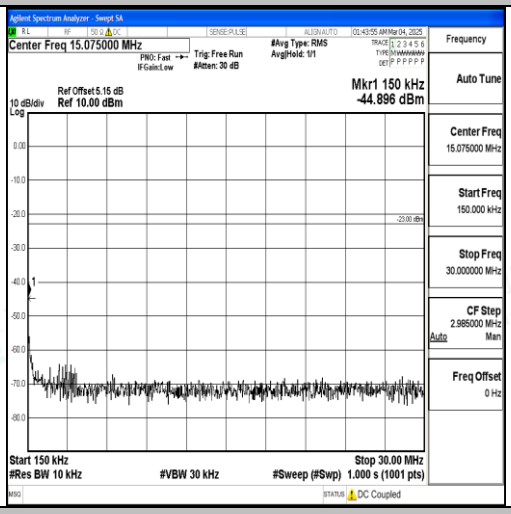
Band12	3MHz	16QAM	23025	1RB#0	0.15~30	-48.68	PASS
Band12	3MHz	16QAM	23025	1RB#0	30~1000	-52.96	PASS
Band12	3MHz	16QAM	23025	1RB#0	1000~3000	-37.79	PASS
Band12	3MHz	16QAM	23025	1RB#0	3000~10000	-35.12	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.009~0.15	-60.13	PASS
Band12	3MHz	QPSK	23095	1RB#0	0.15~30	-45.24	PASS
Band12	3MHz	QPSK	23095	1RB#0	30~1000	-52.99	PASS
Band12	3MHz	QPSK	23095	1RB#0	1000~3000	-36.08	PASS
Band12	3MHz	QPSK	23095	1RB#0	3000~10000	-33.91	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.009~0.15	-58.01	PASS
Band12	3MHz	16QAM	23095	1RB#0	0.15~30	-45.69	PASS
Band12	3MHz	16QAM	23095	1RB#0	30~1000	-52.72	PASS
Band12	3MHz	16QAM	23095	1RB#0	1000~3000	-34.98	PASS
Band12	3MHz	16QAM	23095	1RB#0	3000~10000	-35.22	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.009~0.15	-58.50	PASS
Band12	3MHz	QPSK	23165	1RB#0	0.15~30	-44.15	PASS
Band12	3MHz	QPSK	23165	1RB#0	30~1000	-52.48	PASS
Band12	3MHz	QPSK	23165	1RB#0	1000~3000	-36.04	PASS
Band12	3MHz	QPSK	23165	1RB#0	3000~10000	-35.32	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.009~0.15	-59.14	PASS
Band12	3MHz	16QAM	23165	1RB#0	0.15~30	-46.65	PASS
Band12	3MHz	16QAM	23165	1RB#0	30~1000	-52.57	PASS
Band12	3MHz	16QAM	23165	1RB#0	1000~3000	-34.42	PASS
Band12	3MHz	16QAM	23165	1RB#0	3000~10000	-35.11	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.009~0.15	-57.08	PASS
Band12	5MHz	QPSK	23035	1RB#0	0.15~30	-43.05	PASS
Band12	5MHz	QPSK	23035	1RB#0	30~1000	-52.66	PASS
Band12	5MHz	QPSK	23035	1RB#0	1000~3000	-34.95	PASS
Band12	5MHz	QPSK	23035	1RB#0	3000~10000	-34.67	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.009~0.15	-56.97	PASS
Band12	5MHz	16QAM	23035	1RB#0	0.15~30	-44.23	PASS
Band12	5MHz	16QAM	23035	1RB#0	30~1000	-52.33	PASS
Band12	5MHz	16QAM	23035	1RB#0	1000~3000	-35.99	PASS
Band12	5MHz	16QAM	23035	1RB#0	3000~10000	-35.40	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.009~0.15	-57.91	PASS
Band12	5MHz	QPSK	23095	1RB#0	0.15~30	-48.91	PASS
Band12	5MHz	QPSK	23095	1RB#0	30~1000	-51.85	PASS
Band12	5MHz	QPSK	23095	1RB#0	1000~3000	-36.16	PASS
Band12	5MHz	QPSK	23095	1RB#0	3000~10000	-35.07	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.009~0.15	-55.58	PASS
Band12	5MHz	16QAM	23095	1RB#0	0.15~30	-46.51	PASS
Band12	5MHz	16QAM	23095	1RB#0	30~1000	-52.87	PASS
Band12	5MHz	16QAM	23095	1RB#0	1000~3000	-36.88	PASS

Band12	5MHz	16QAM	23095	1RB#0	3000~10000	-35.60	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.009~0.15	-57.14	PASS
Band12	5MHz	QPSK	23155	1RB#0	0.15~30	-45.84	PASS
Band12	5MHz	QPSK	23155	1RB#0	30~1000	-51.96	PASS
Band12	5MHz	QPSK	23155	1RB#0	1000~3000	-35.79	PASS
Band12	5MHz	QPSK	23155	1RB#0	3000~10000	-34.19	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.009~0.15	-58.03	PASS
Band12	5MHz	16QAM	23155	1RB#0	0.15~30	-47.58	PASS
Band12	5MHz	16QAM	23155	1RB#0	30~1000	-52.55	PASS
Band12	5MHz	16QAM	23155	1RB#0	1000~3000	-36.48	PASS
Band12	5MHz	16QAM	23155	1RB#0	3000~10000	-34.97	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.009~0.15	-54.90	PASS
Band12	10MHz	QPSK	23060	1RB#0	0.15~30	-42.90	PASS
Band12	10MHz	QPSK	23060	1RB#0	30~1000	-52.69	PASS
Band12	10MHz	QPSK	23060	1RB#0	1000~3000	-36.38	PASS
Band12	10MHz	QPSK	23060	1RB#0	3000~10000	-34.43	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.009~0.15	-56.97	PASS
Band12	10MHz	16QAM	23060	1RB#0	0.15~30	-48.05	PASS
Band12	10MHz	16QAM	23060	1RB#0	30~1000	-52.56	PASS
Band12	10MHz	16QAM	23060	1RB#0	1000~3000	-36.86	PASS
Band12	10MHz	16QAM	23060	1RB#0	3000~10000	-35.20	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.009~0.15	-57.37	PASS
Band12	10MHz	QPSK	23095	1RB#0	0.15~30	-44.96	PASS
Band12	10MHz	QPSK	23095	1RB#0	30~1000	-52.03	PASS
Band12	10MHz	QPSK	23095	1RB#0	1000~3000	-34.89	PASS
Band12	10MHz	QPSK	23095	1RB#0	3000~10000	-34.99	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.009~0.15	-57.91	PASS
Band12	10MHz	16QAM	23095	1RB#0	0.15~30	-46.49	PASS
Band12	10MHz	16QAM	23095	1RB#0	30~1000	-52.67	PASS
Band12	10MHz	16QAM	23095	1RB#0	1000~3000	-36.63	PASS
Band12	10MHz	16QAM	23095	1RB#0	3000~10000	-34.87	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.009~0.15	-55.49	PASS
Band12	10MHz	QPSK	23130	1RB#0	0.15~30	-43.42	PASS
Band12	10MHz	QPSK	23130	1RB#0	30~1000	-52.49	PASS
Band12	10MHz	QPSK	23130	1RB#0	1000~3000	-35.76	PASS
Band12	10MHz	QPSK	23130	1RB#0	3000~10000	-34.85	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.009~0.15	-57.33	PASS
Band12	10MHz	16QAM	23130	1RB#0	0.15~30	-45.85	PASS
Band12	10MHz	16QAM	23130	1RB#0	30~1000	-52.83	PASS
Band12	10MHz	16QAM	23130	1RB#0	1000~3000	-36.65	PASS
Band12	10MHz	16QAM	23130	1RB#0	3000~10000	-35.40	PASS

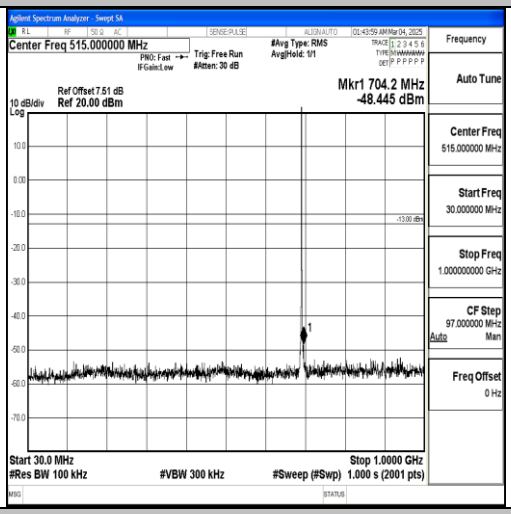
Test Graphs



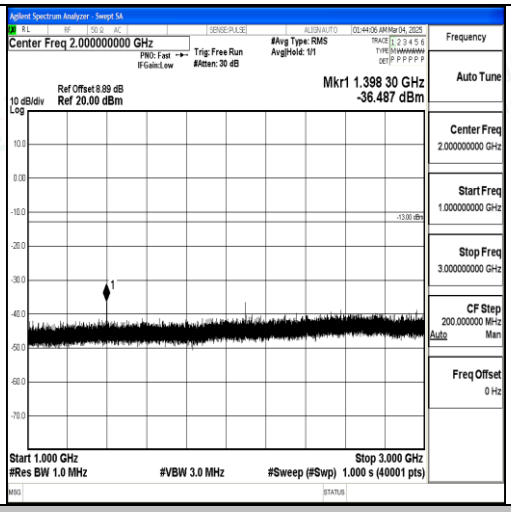
Band12_1.4MHz_QPSK_23017_1RB#0_0.009~0.15_0.009~0.15



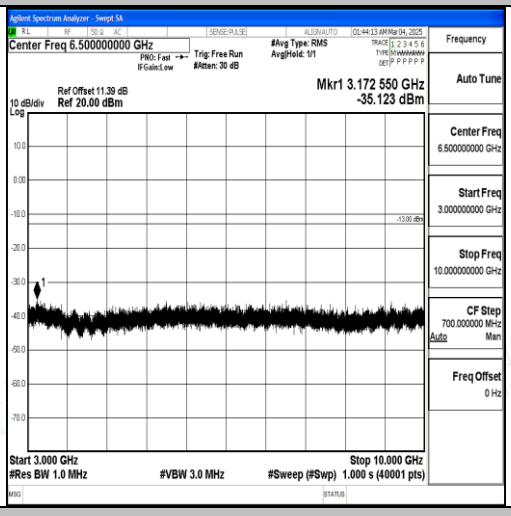
Band12_1.4MHz_QPSK_23017_1RB#0_0.15~30_0.15~30



Band12_1.4MHz_QPSK_23017_1RB#0_30~1000_30~1000



Band12_1.4MHz_QPSK_23017_1RB#0_1000~3000_1000~3000



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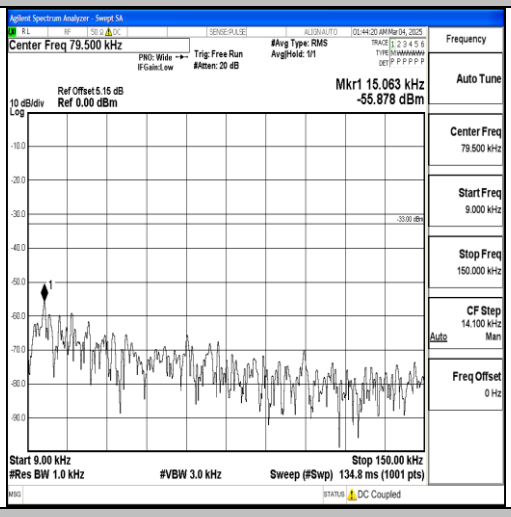
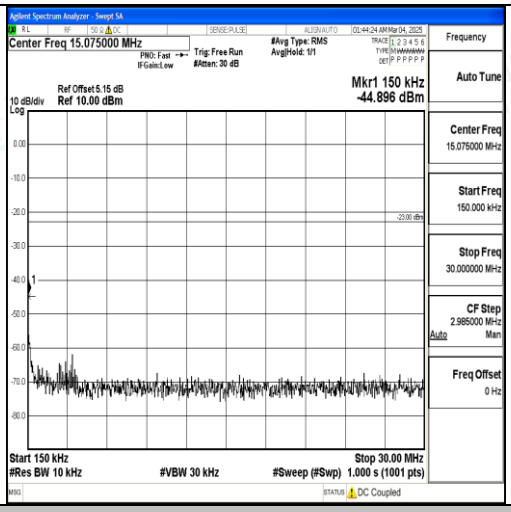
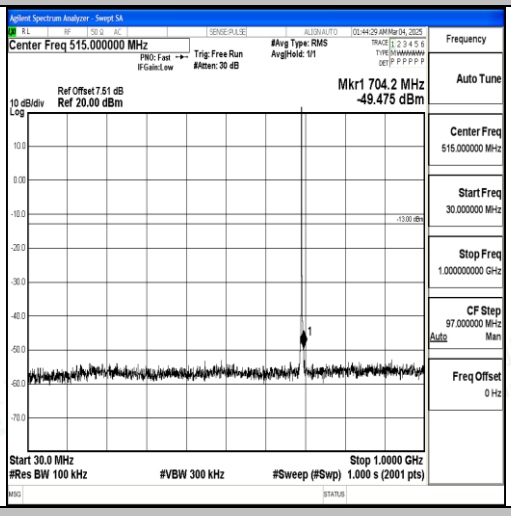


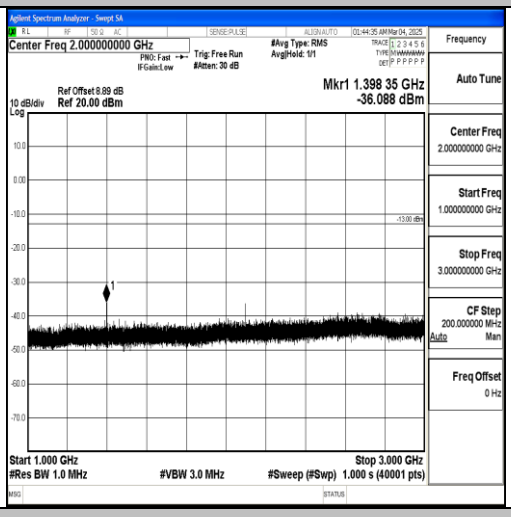
Band12_1.4MHz_16QAM_23017_1RB#0_0.009~0.15_0.009~0.15



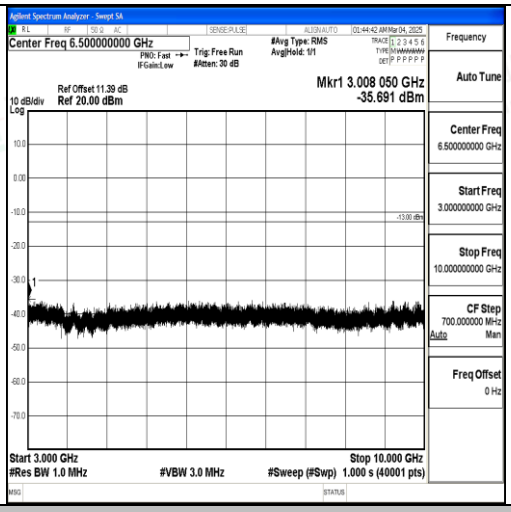
Band12_1.4MHz_16QAM_23017_1RB#0_0.15~30_0.15~30



Band12_1.4MHz_16QAM_23017_1RB#0_30~1000_30~1000



Band12_1.4MHz_16QAM_23017_1RB#0_1000~3000_1000~3000



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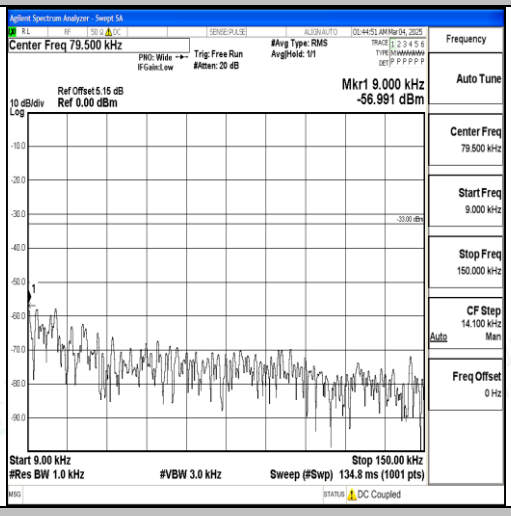
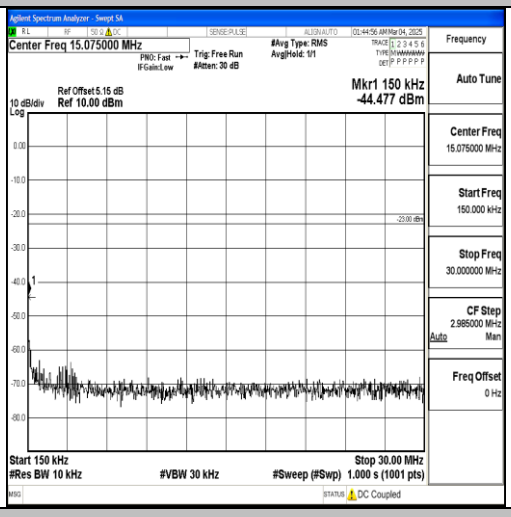
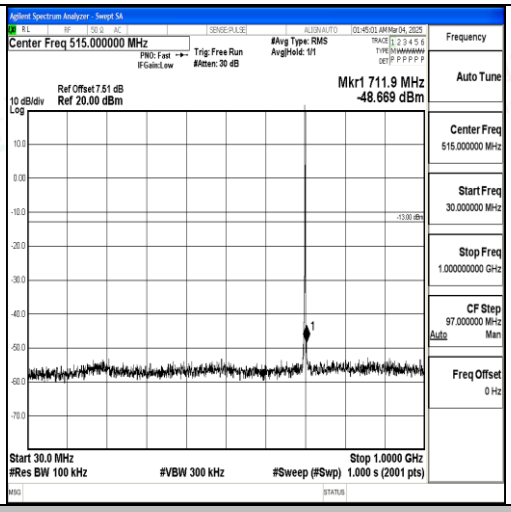


Band12_1.4MHz_QPSK_23095_1RB#0_0.009~0.15_0.009~0.15



Band12_1.4MHz_QPSK_23095_1RB#0_0.15~30_0.15~30



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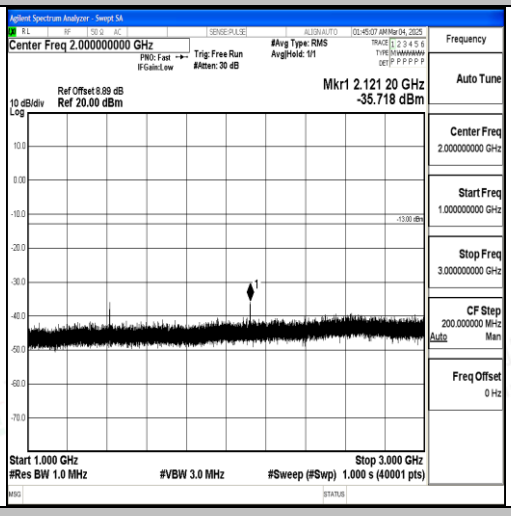

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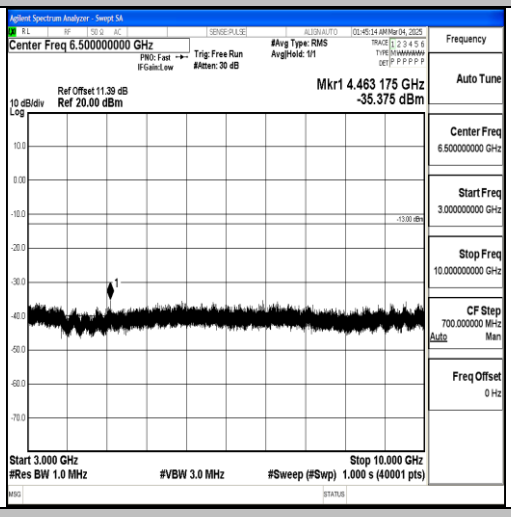

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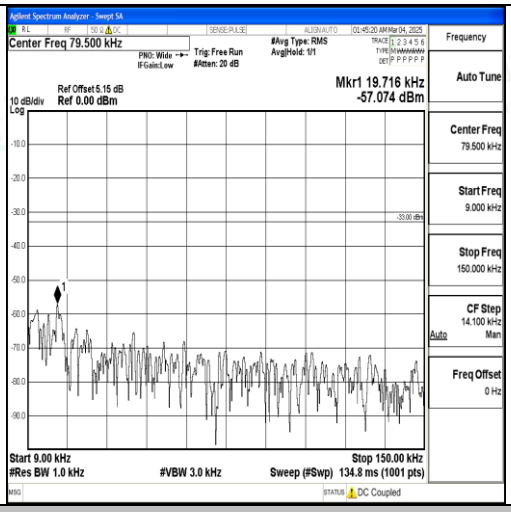
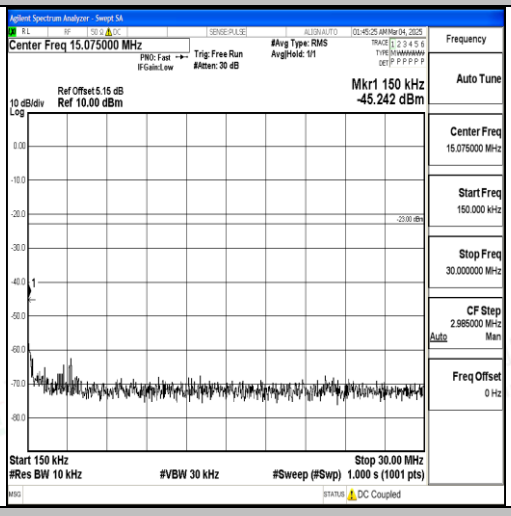
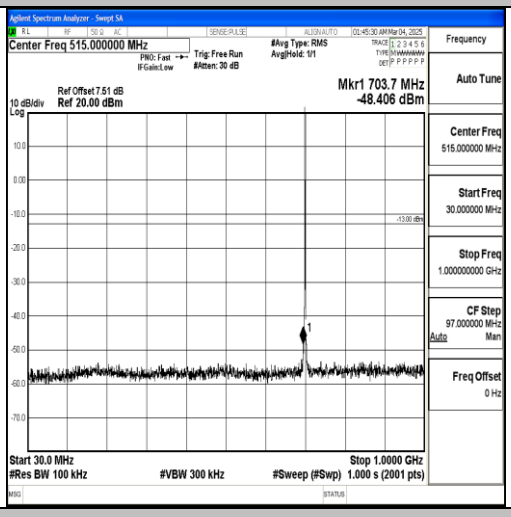


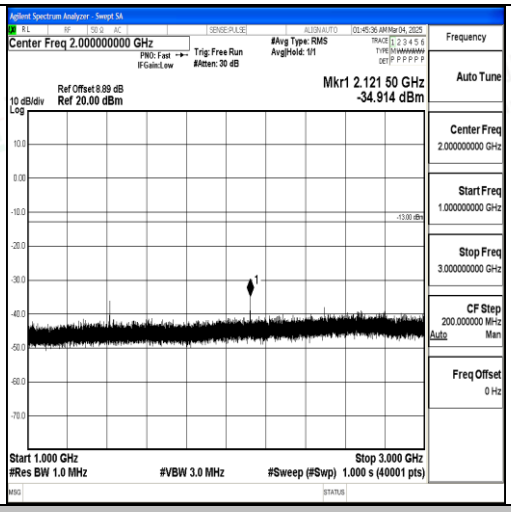
Band12_1.4MHz_16QAM_23095_1RB#0_0.009~0.15_0.009~0.15



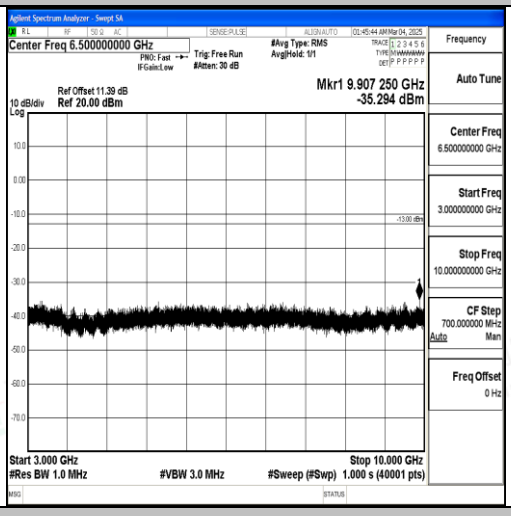
Band12_1.4MHz_16QAM_23095_1RB#0_0.15~30_0.15~30



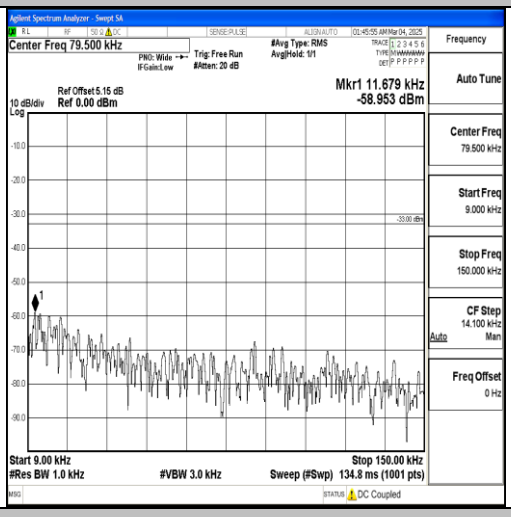
Band12_1.4MHz_16QAM_23095_1RB#0_30~1000_30~1000



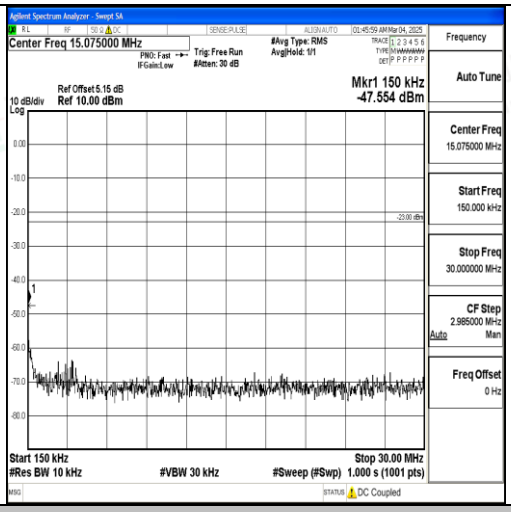
Band12_1.4MHz_16QAM_23095_1RB#0_1000~3000_1000~3000



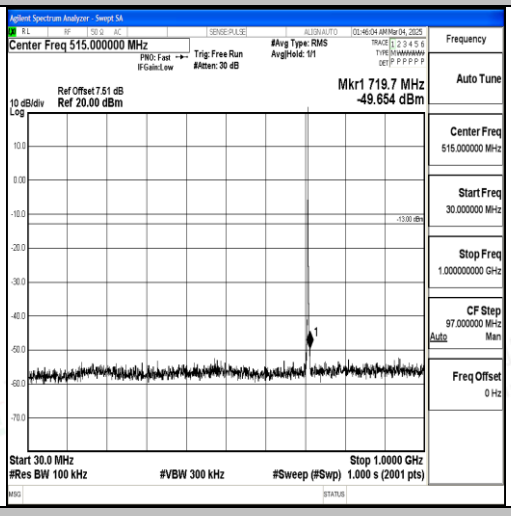
Band12_1.4MHz_16QAM_23095_1RB#0_3000~10000_3000~10000



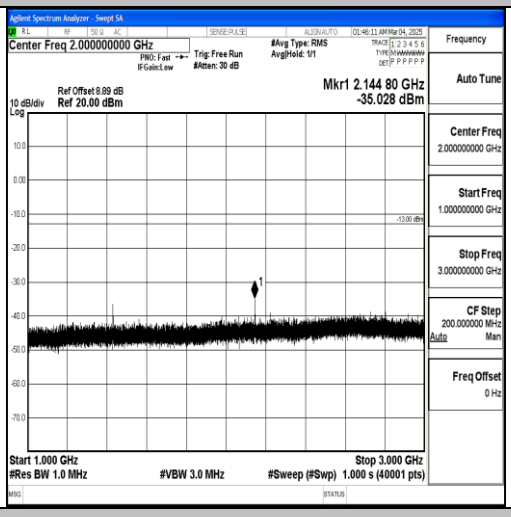
Band12_1.4MHz_QPSK_23173_1RB#0_0.009~0.15_0.009~0.15



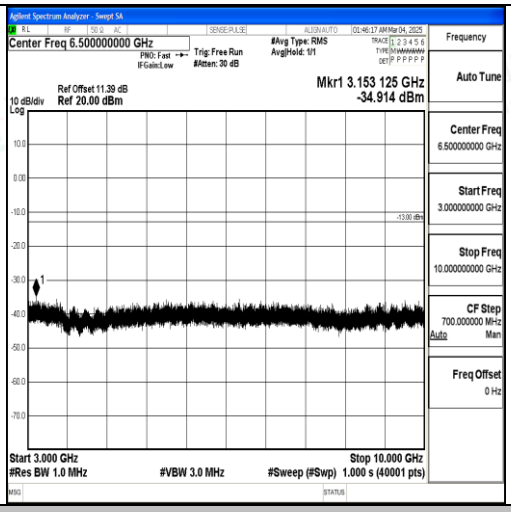
Band12_1.4MHz_QPSK_23173_1RB#0_0.15~30_0.15~30



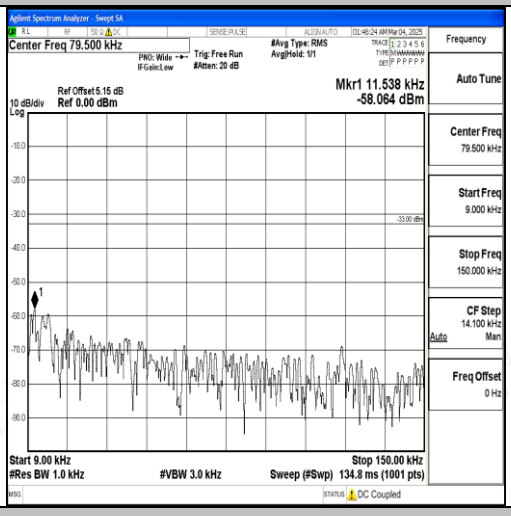
Band12_1.4MHz_QPSK_23173_1RB#0_30~1000_30~1000



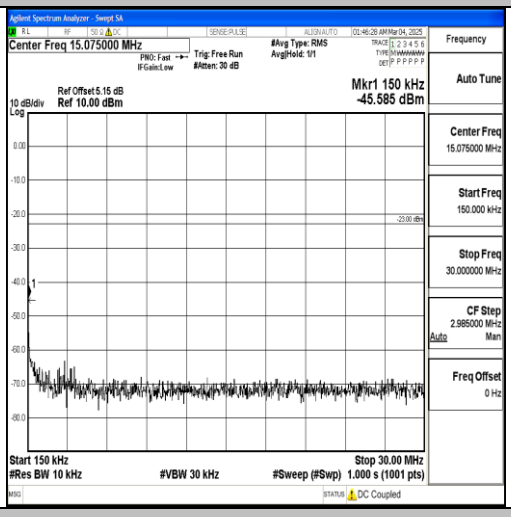
Band12_1.4MHz_QPSK_23173_1RB#0_1000~3000_1000~3000



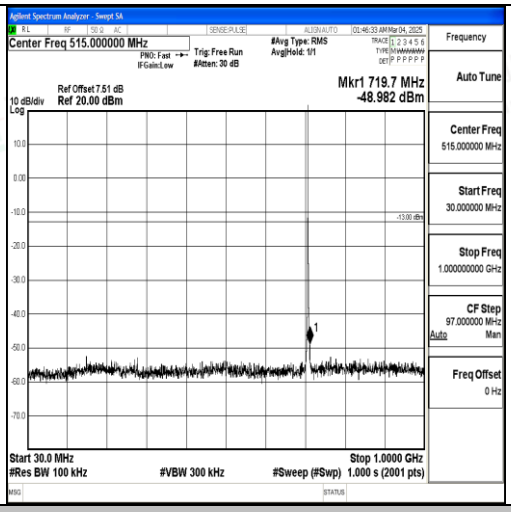
Band12_1.4MHz_QPSK_23173_1RB#0_3000~10000_3000~10000



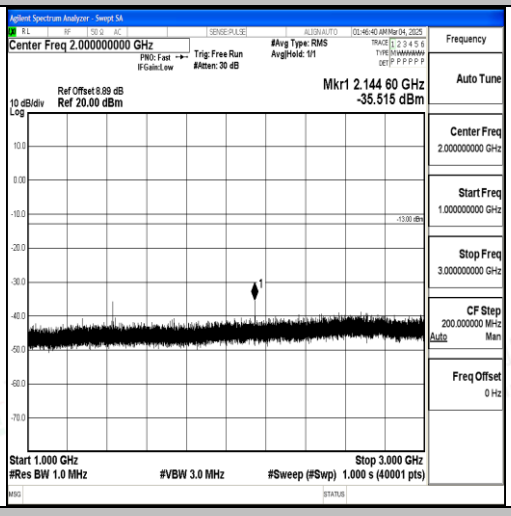
Band12_1.4MHz_16QAM_23173_1RB#0_0.009~0.15_0.009~0.15



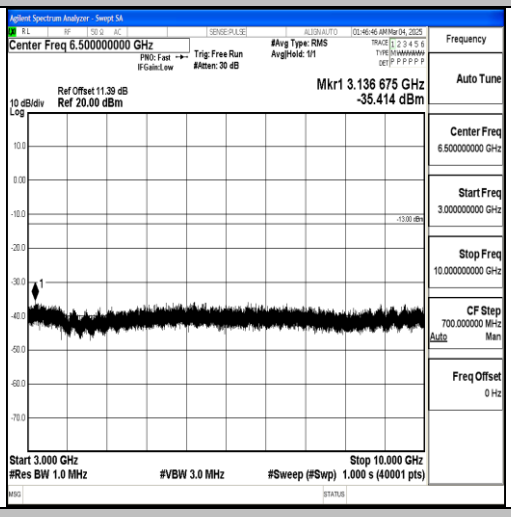
Band12_1.4MHz_16QAM_23173_1RB#0_0.15~30_0.15~30



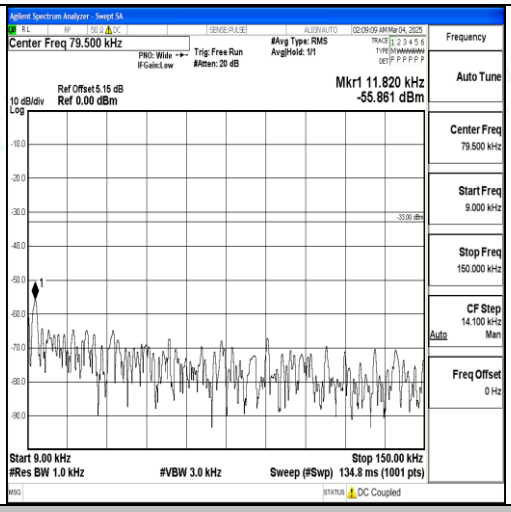
Band12_1.4MHz_16QAM_23173_1RB#0_30~1000_30~1000



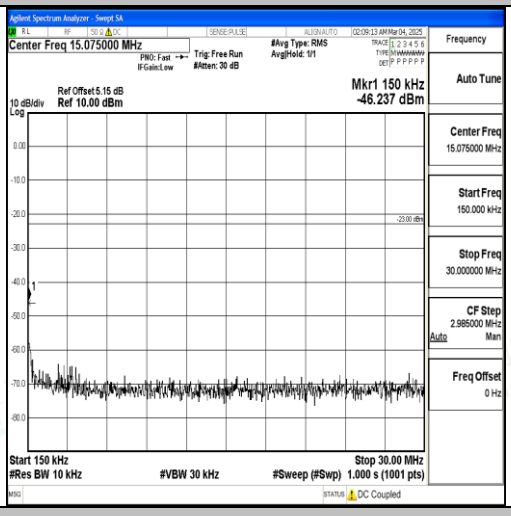
Band12_1.4MHz_16QAM_23173_1RB#0_1000~3000_1000~3000



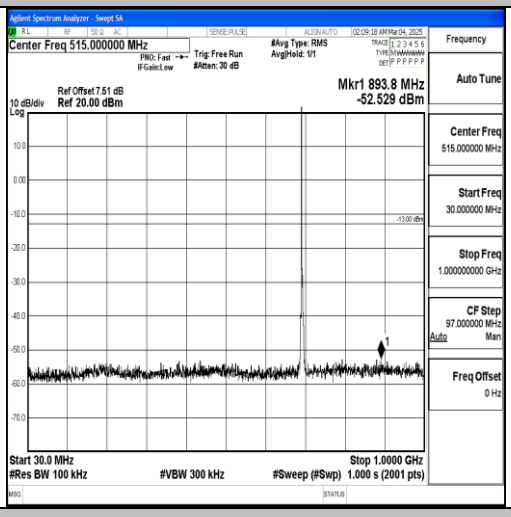
Band12_1.4MHz_16QAM_23173_1RB#0_3000~10000_3000~10000



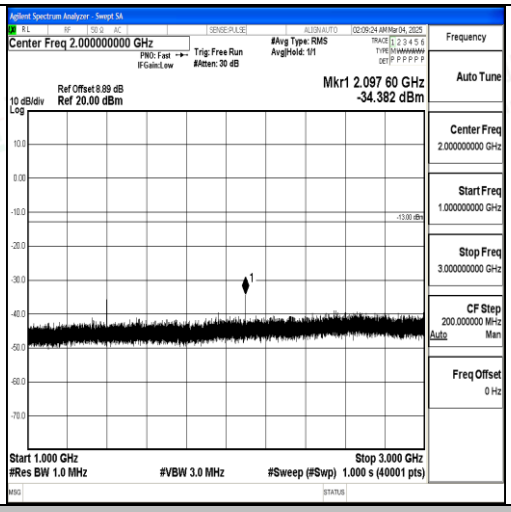
Band12_3MHz_QPSK_23025_1RB#0_0.009~0.15_0.009~0.15



Band12_3MHz_QPSK_23025_1RB#0_0.15~30_0.15~30



Band12_3MHz_QPSK_23025_1RB#0_30~1000_30~1000



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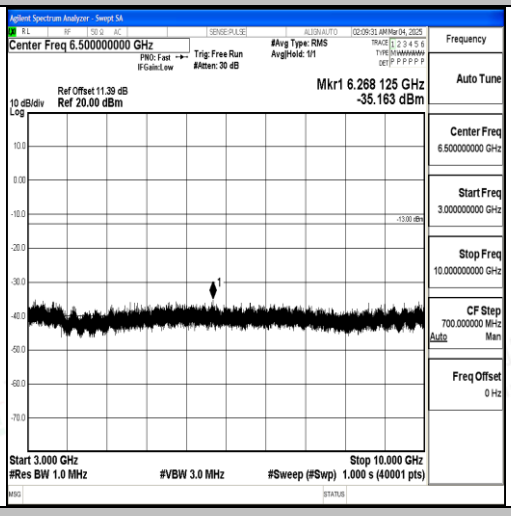
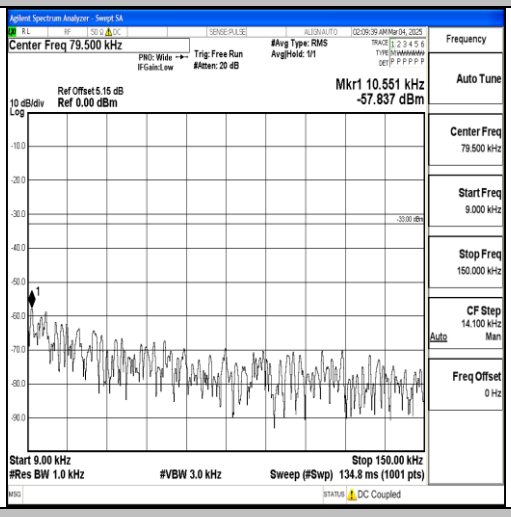
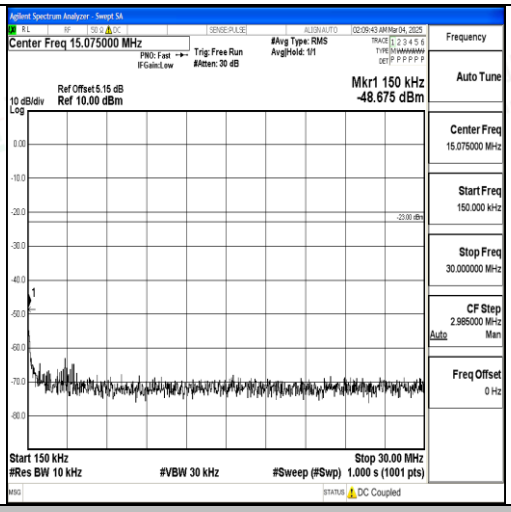


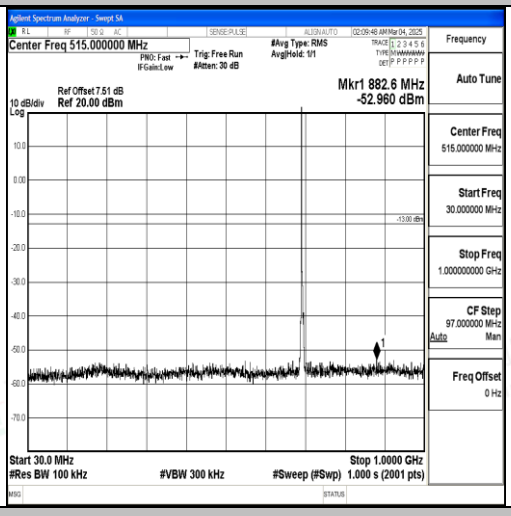
Band12_3MHz_QPSK_23025_1RB#0_3000~10000_3000~10000



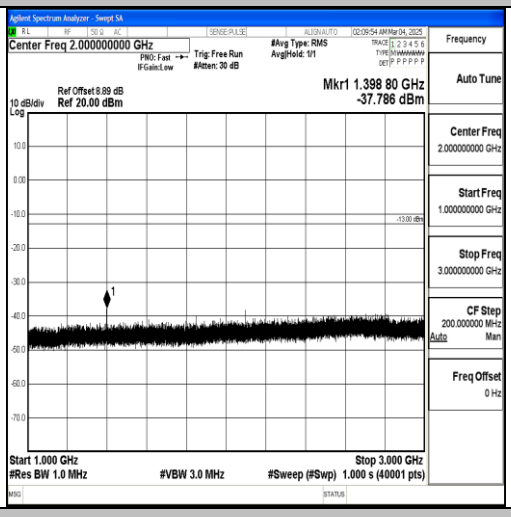
Band12_3MHz_16QAM_23025_1RB#0_0.009~0.15_0.009~0.15



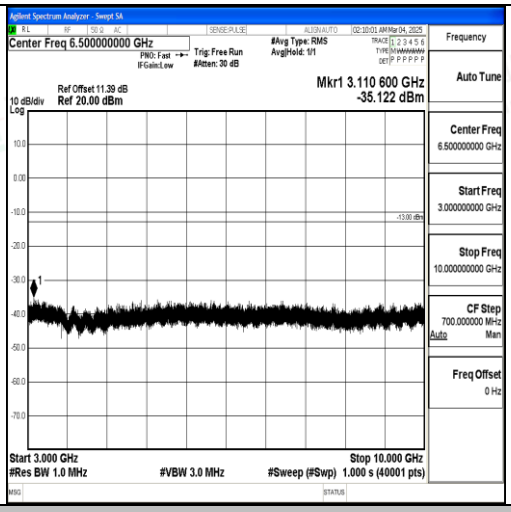
Band12_3MHz_16QAM_23025_1RB#0_0.15~30_0.15~30



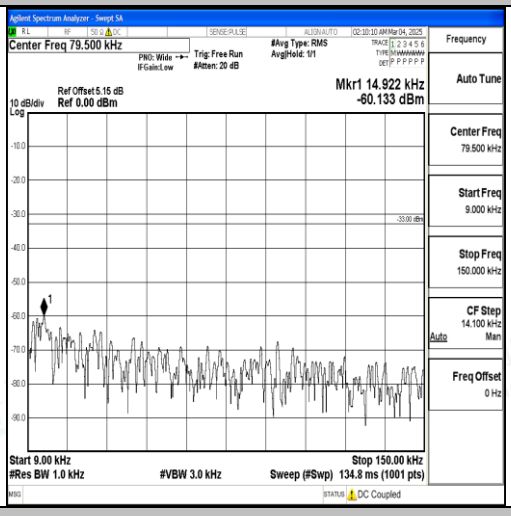
Band12_3MHz_16QAM_23025_1RB#0_30~1000_30~1000



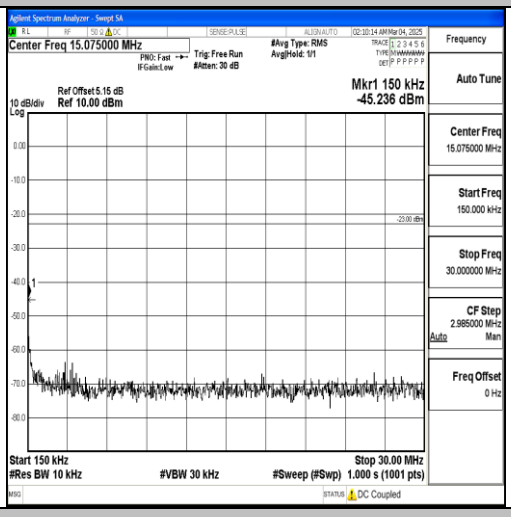
Band12_3MHz_16QAM_23025_1RB#0_1000~3000_1000~3000



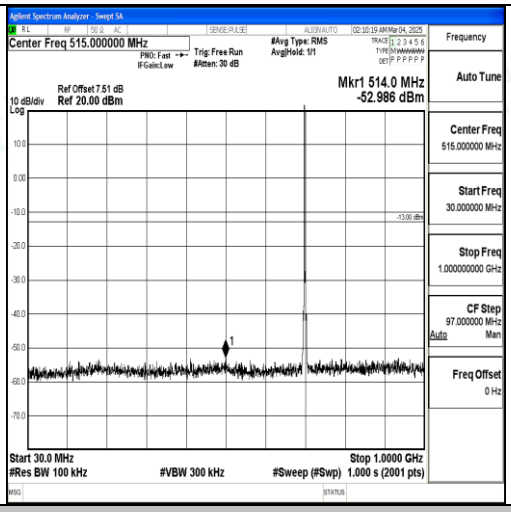
Band12_3MHz_16QAM_23025_1RB#0_3000~10000_3000~10000



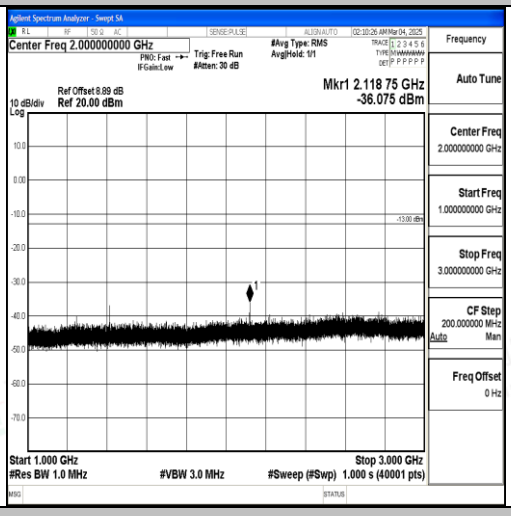
Band12_3MHz_QPSK_23095_1RB#0_0.009~0.15_0.009~0.15



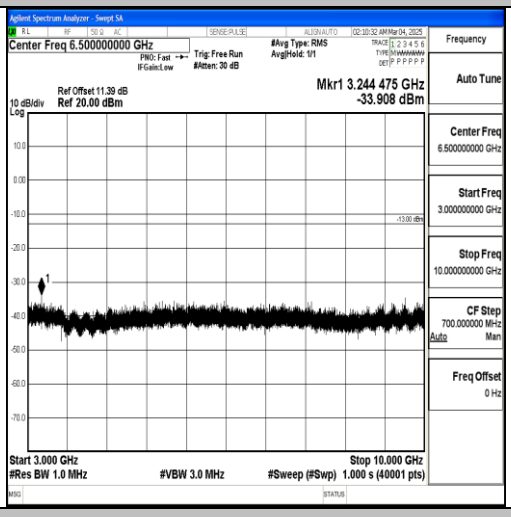
Band12_3MHz_QPSK_23095_1RB#0_0.15~30_0.15~30



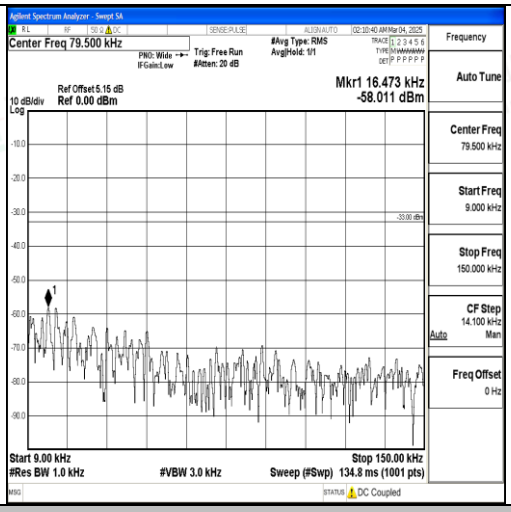
Band12_3MHz_QPSK_23095_1RB#0_30~1000_30~1000



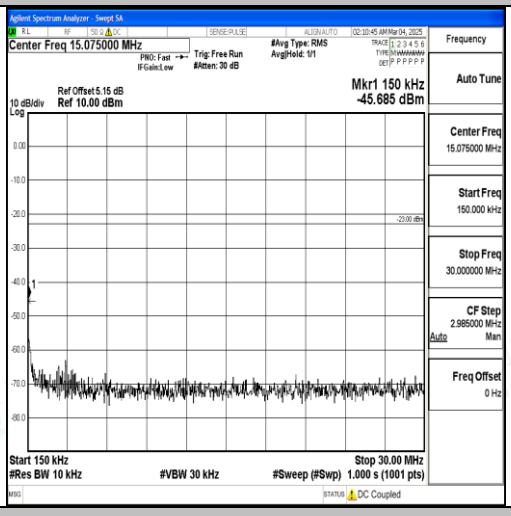
Band12_3MHz_QPSK_23095_1RB#0_1000~3000_1000~3000



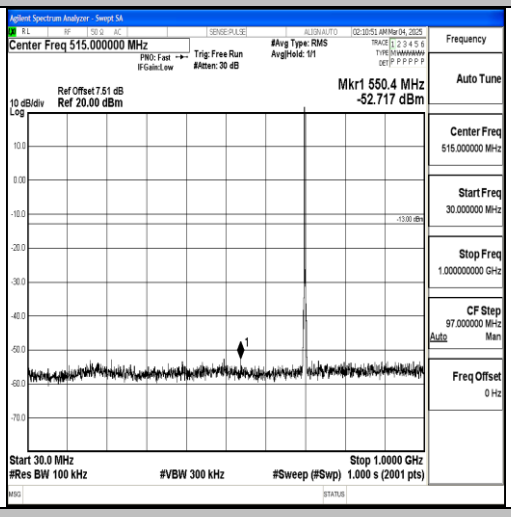
Band12_3MHz_QPSK_23095_1RB#0_3000~10000_3000~10000



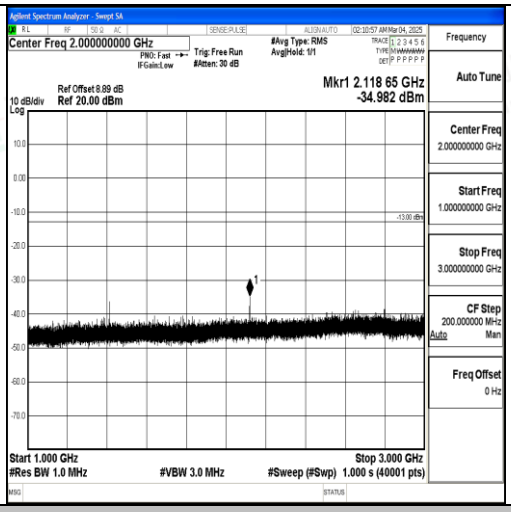
Band12_3MHz_16QAM_23095_1RB#0_0.009~0.15_0.009~0.15



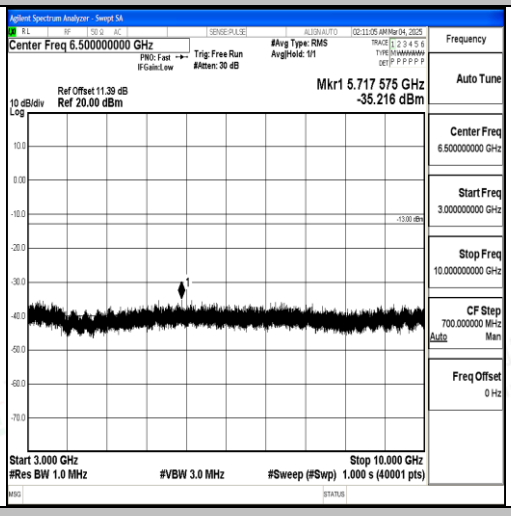
Band12_3MHz_16QAM_23095_1RB#0_0.15~30_0.15~30



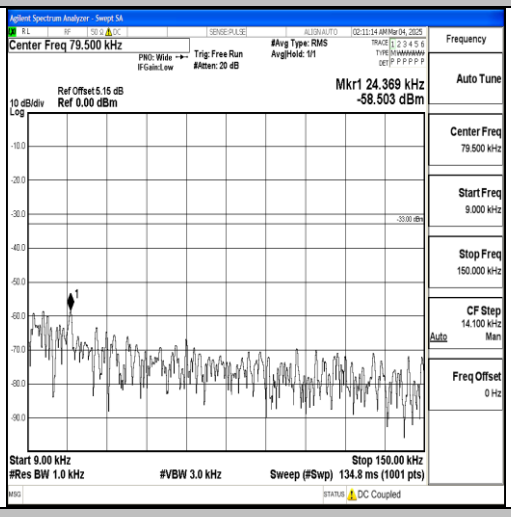
Band12_3MHz_16QAM_23095_1RB#0_30~1000_30~1000



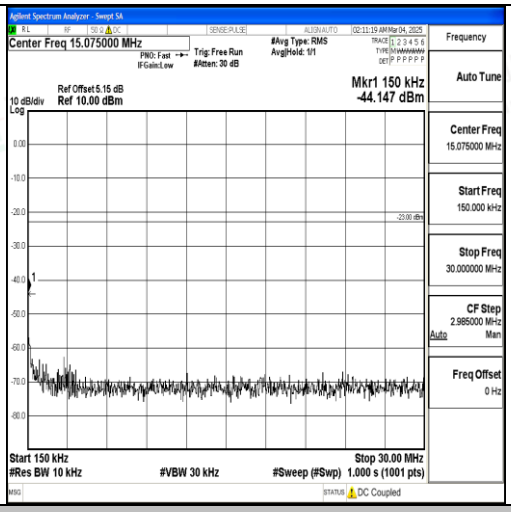
Band12_3MHz_16QAM_23095_1RB#0_1000~3000_1000~3000



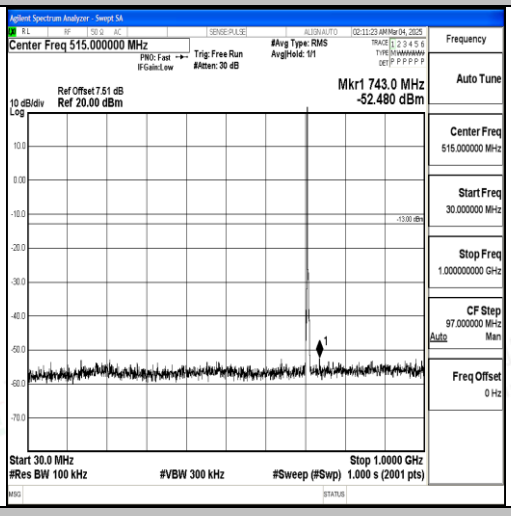
Band12_3MHz_16QAM_23095_1RB#0_3000~10000_3000~10000



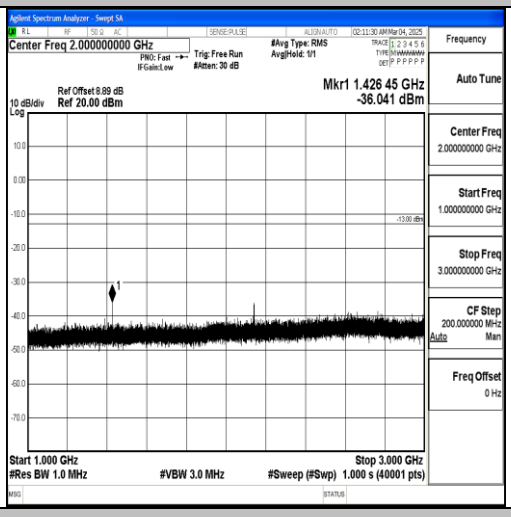
Band12_3MHz_QPSK_23165_1RB#0_0.009~0.15_0.009~0.15



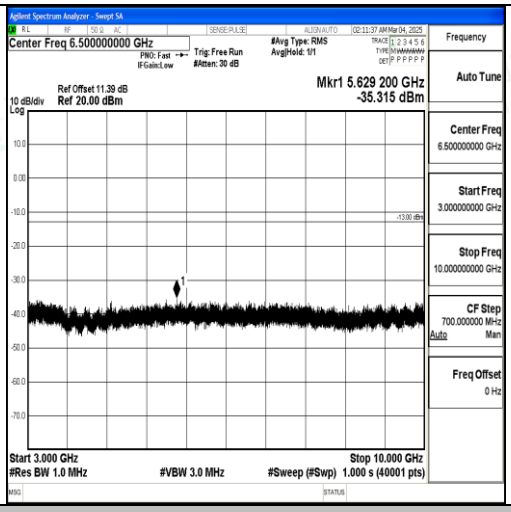
Band12_3MHz_QPSK_23165_1RB#0_0.15~30_0.15~30



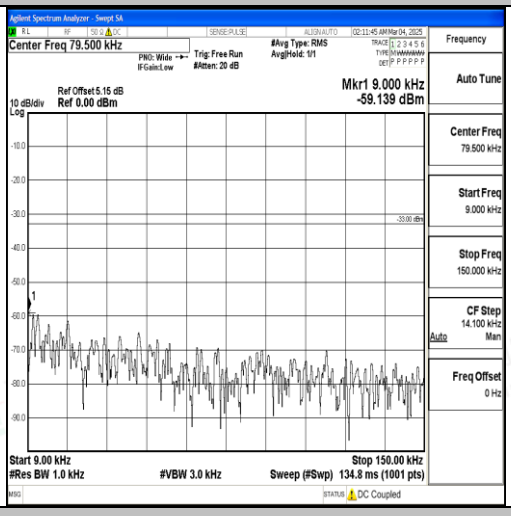
Band12_3MHz_QPSK_23165_1RB#0_30~1000_30~1000



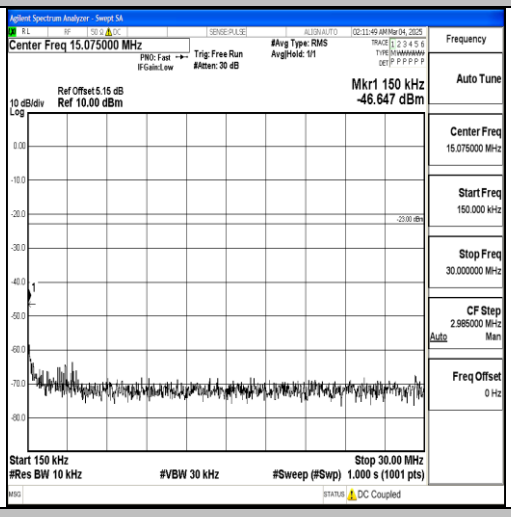
Band12_3MHz_QPSK_23165_1RB#0_1000~3000_1000~3000



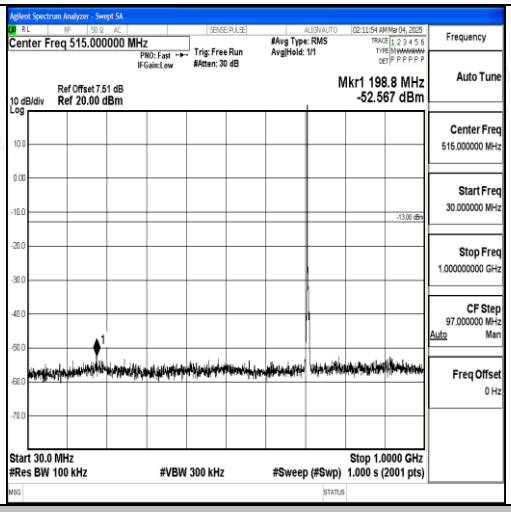
Band12_3MHz_QPSK_23165_1RB#0_3000~10000_3000~10000



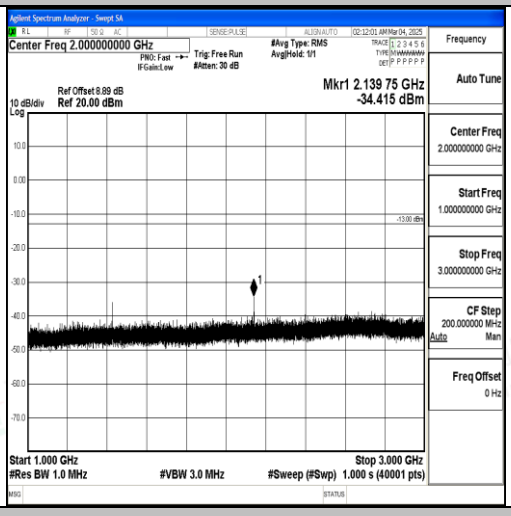
Band12_3MHz_16QAM_23165_1RB#0_0.009~0.15_0.009~0.15



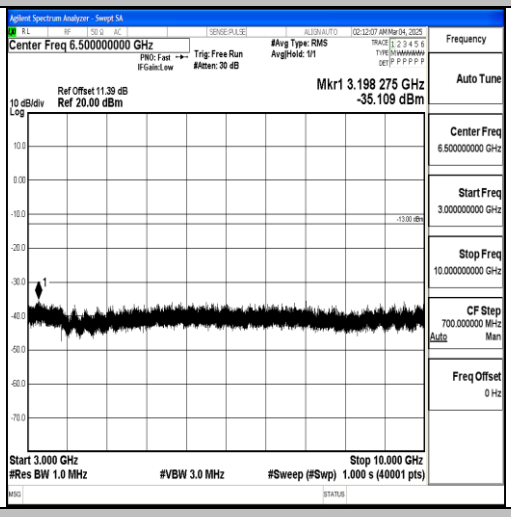
Band12_3MHz_16QAM_23165_1RB#0_0.15~30_0.15~30



Band12_3MHz_16QAM_23165_1RB#0_30~1000_30~1000



Band12_3MHz_16QAM_23165_1RB#0_1000~3000_1000~3000



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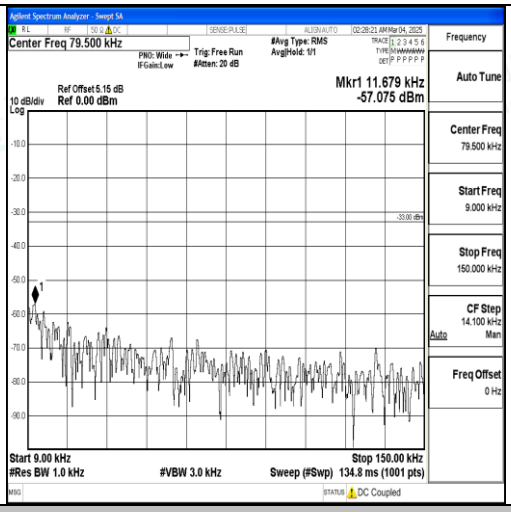
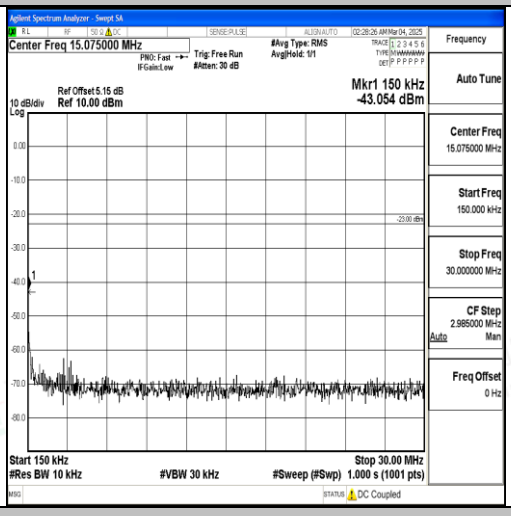


Band12_5MHz_QPSK_23035_1RB#0_0.009~0.15_0.009~0.15



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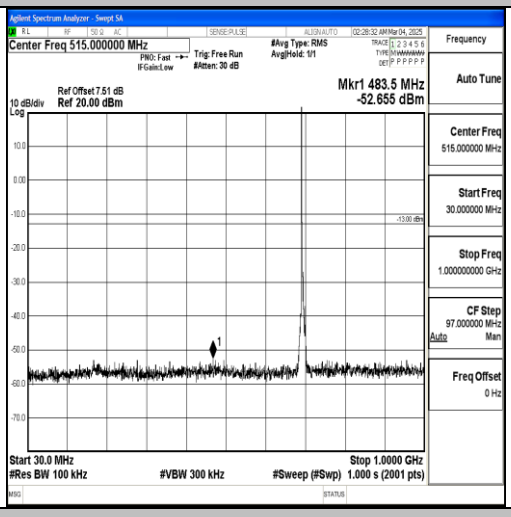

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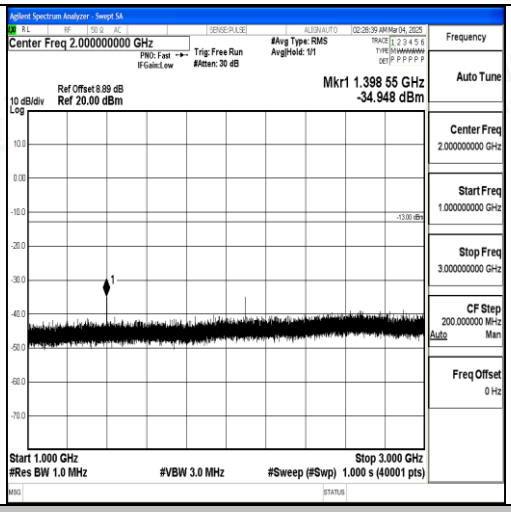

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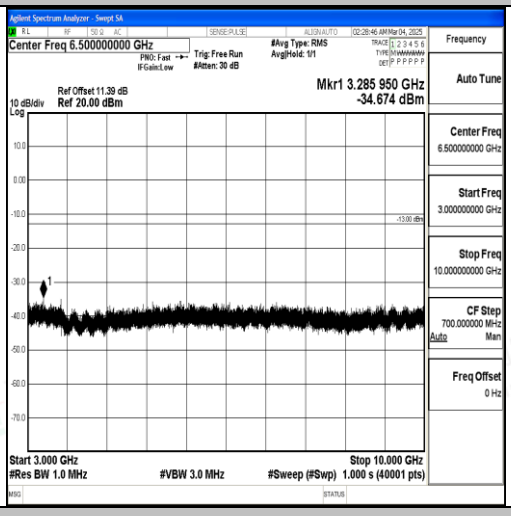

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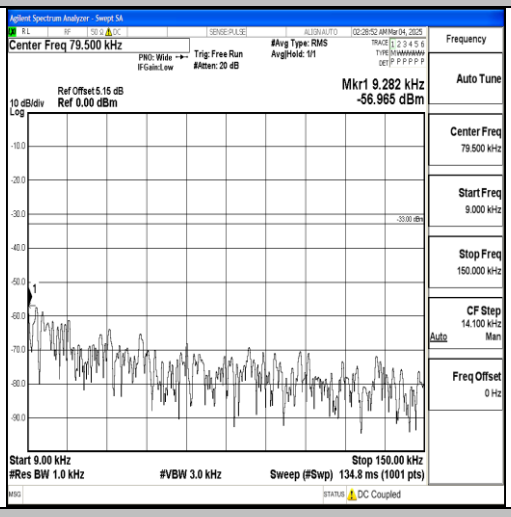
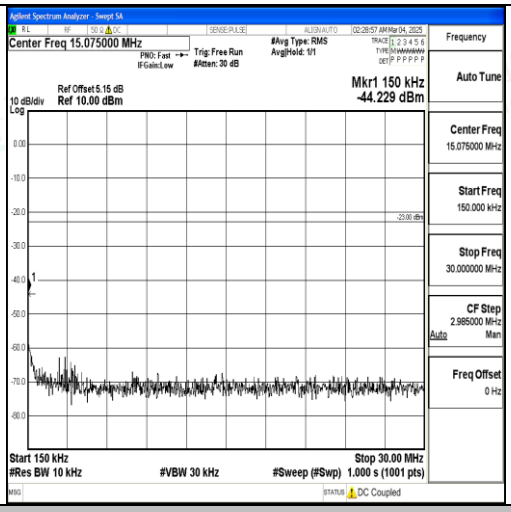
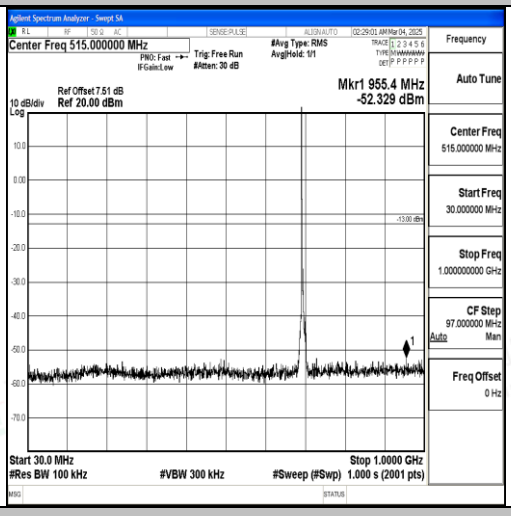


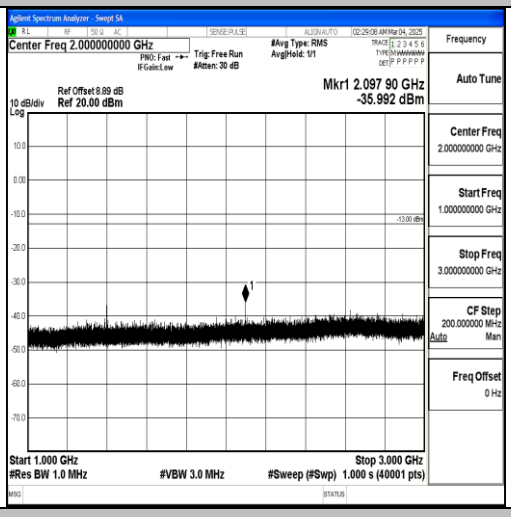
Band12_5MHz_16QAM_23035_1RB#0_0.009~0.15_0.009~0.15



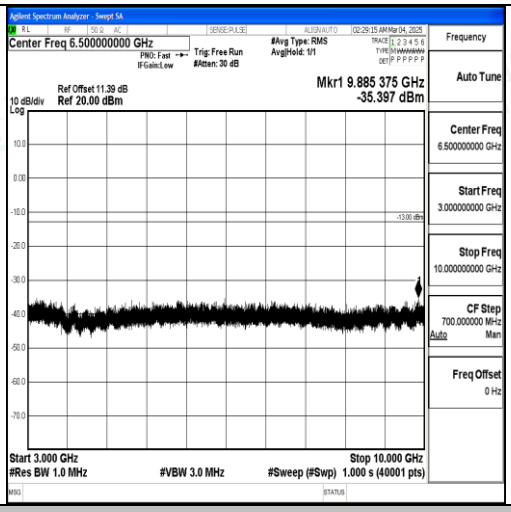
Band12_5MHz_16QAM_23035_1RB#0_0.15~30_0.15~30



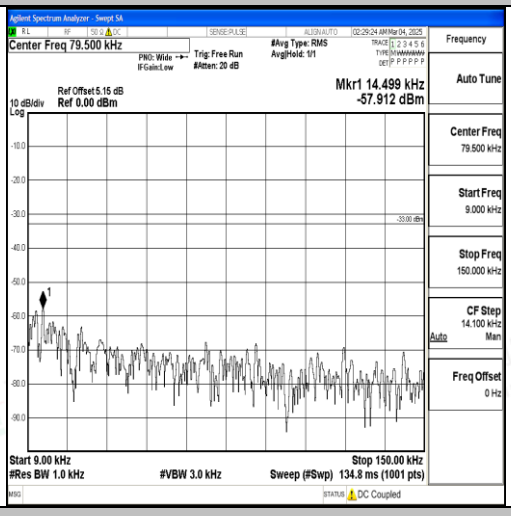
Band12_5MHz_16QAM_23035_1RB#0_30~1000_30~1000



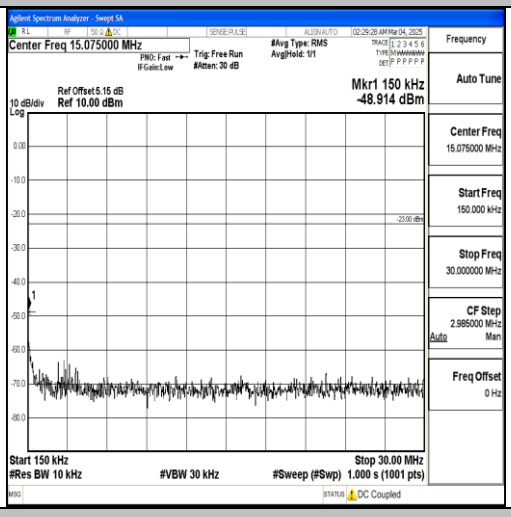
Band12_5MHz_16QAM_23035_1RB#0_1000~3000_1000~3000



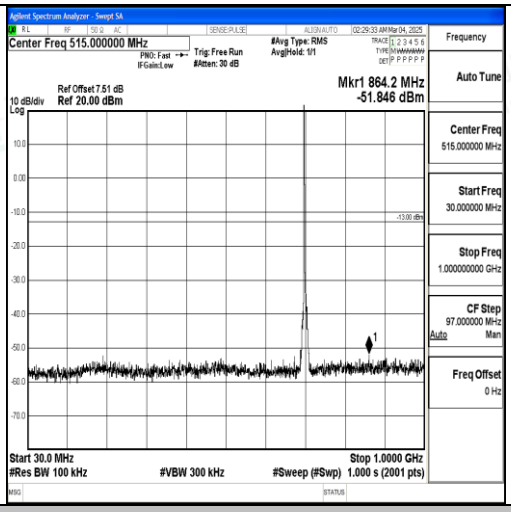
Band12_5MHz_16QAM_23035_1RB#0_3000~10000_3000~10000



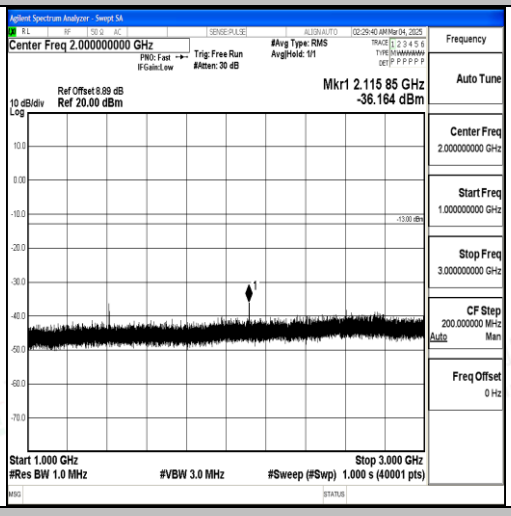
Band12_5MHz_QPSK_23095_1RB#0_0.009~0.15_0.009~0.15



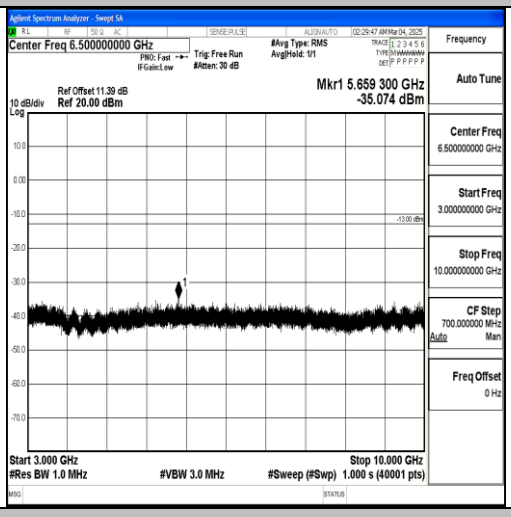
Band12_5MHz_QPSK_23095_1RB#0_0.15~30_0.15~30



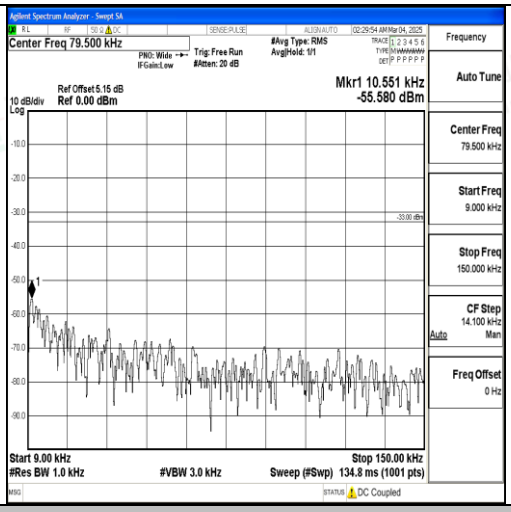
Band12_5MHz_QPSK_23095_1RB#0_30~1000_30~1000



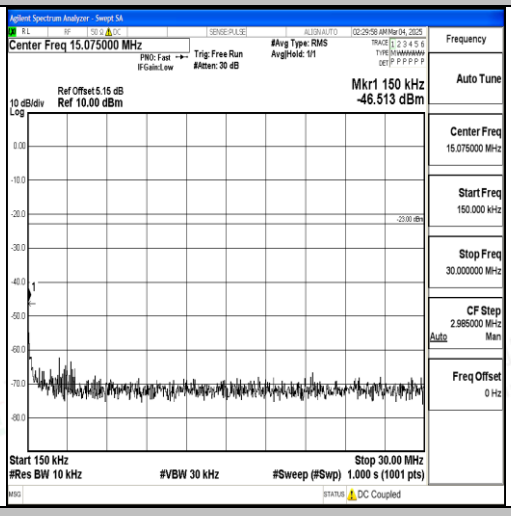
Band12_5MHz_QPSK_23095_1RB#0_1000~3000_1000~3000



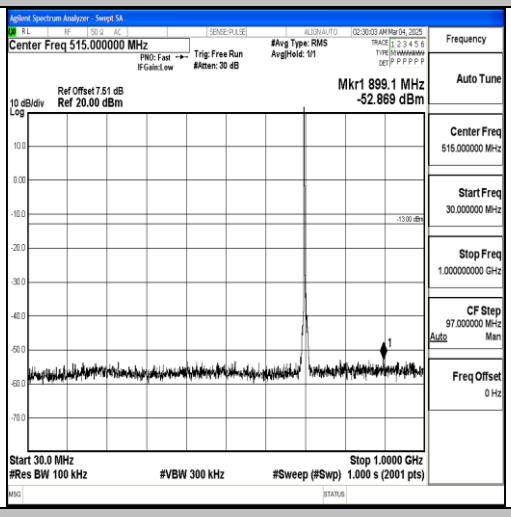
Band12_5MHz_QPSK_23095_1RB#0_3000~10000_3000~10000



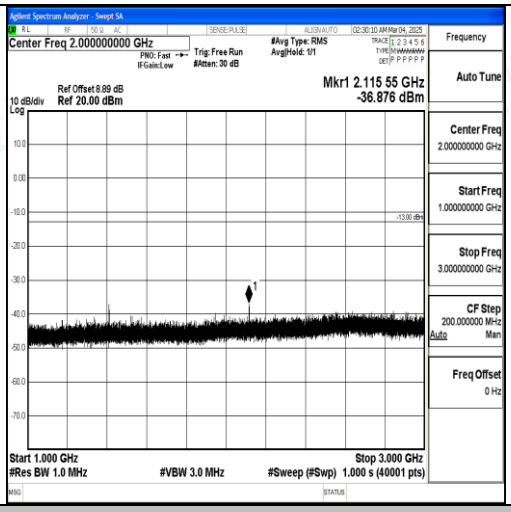
Band12_5MHz_16QAM_23095_1RB#0_0.009~0.15_0.009~0.15



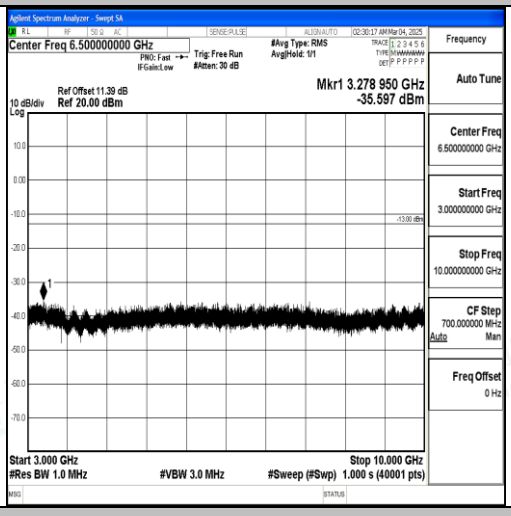
Band12_5MHz_16QAM_23095_1RB#0_0.15~30_0.15~30



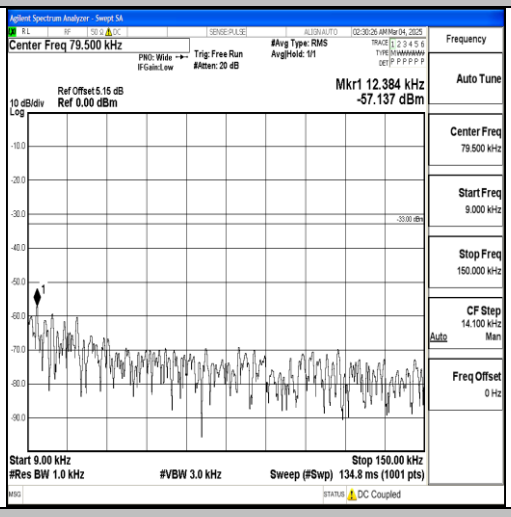
Band12_5MHz_16QAM_23095_1RB#0_30~1000_30~1000



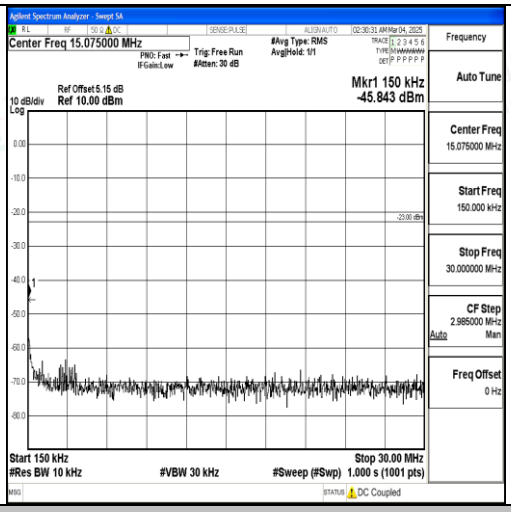
Band12_5MHz_16QAM_23095_1RB#0_1000~3000_1000~3000



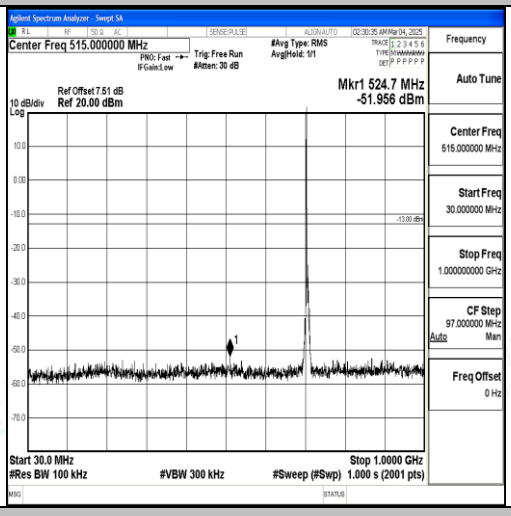
Band12_5MHz_16QAM_23095_1RB#0_3000~10000_3000~10000



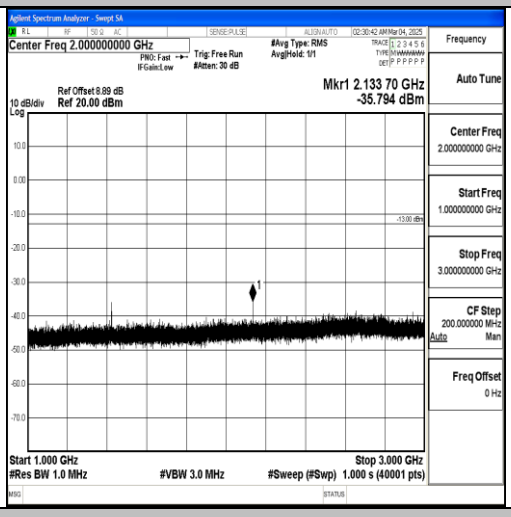
Band12_5MHz_QPSK_23155_1RB#0_0.009~0.15_0.009~0.15



Band12_5MHz_QPSK_23155_1RB#0_0.15~30_0.15~30



Band12_5MHz_QPSK_23155_1RB#0_30~1000_30~1000



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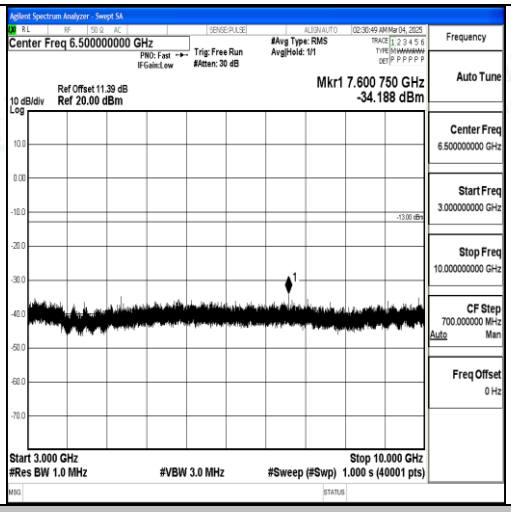
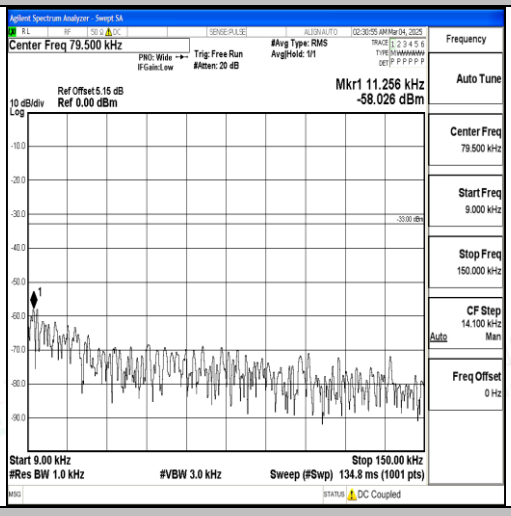
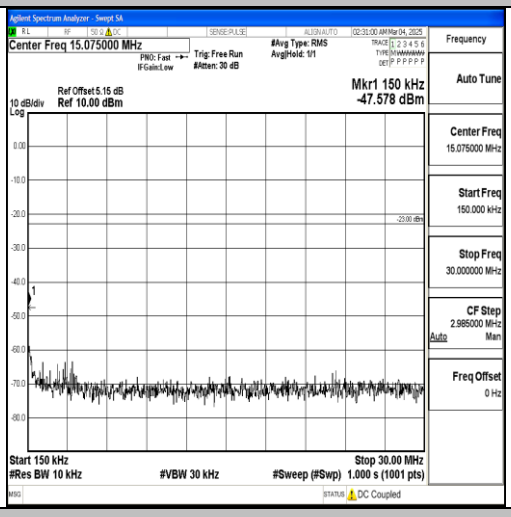


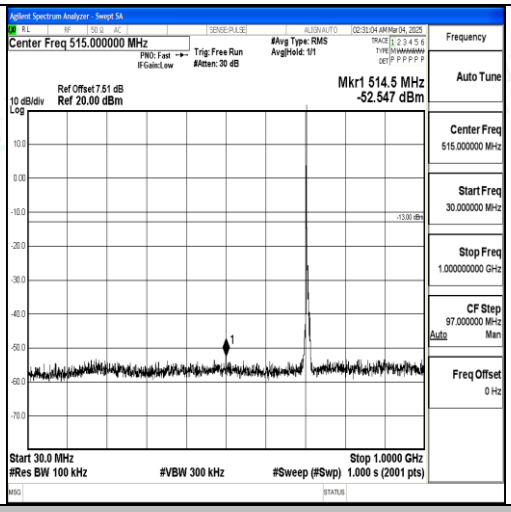
Band12_5MHz_QPSK_23155_1RB#0_3000~10000_3000~10000



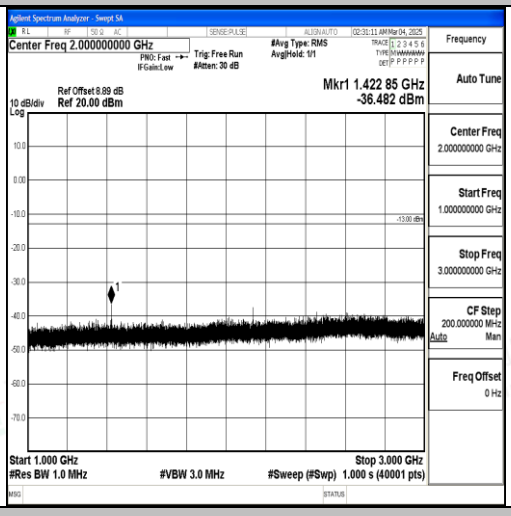
Band12_5MHz_16QAM_23155_1RB#0_0.009~0.15_0.009~0.15



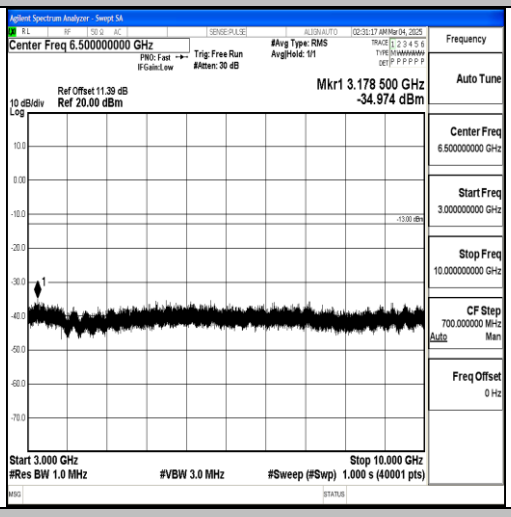
Band12_5MHz_16QAM_23155_1RB#0_0.15~30_0.15~30



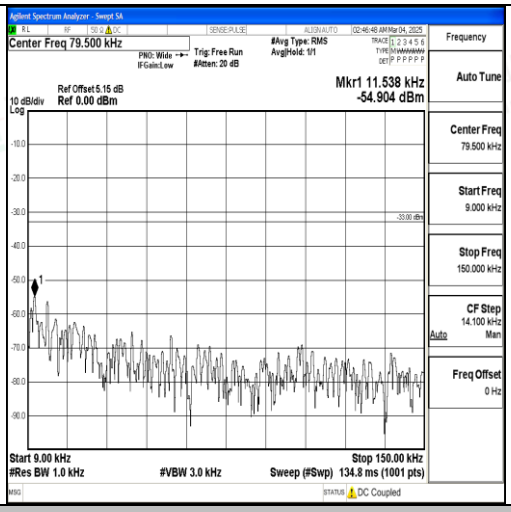
Band12_5MHz_16QAM_23155_1RB#0_30~1000_30~1000



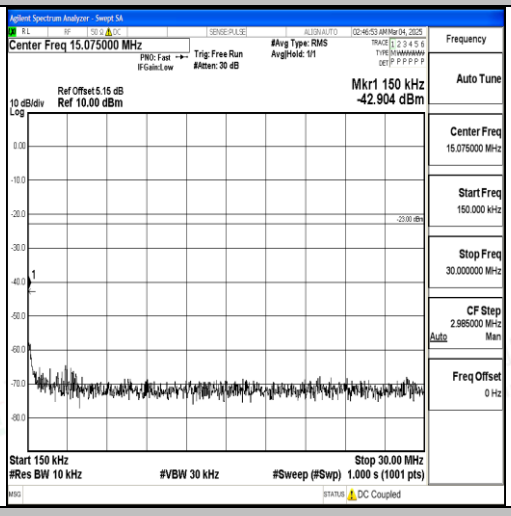
Band12_5MHz_16QAM_23155_1RB#0_1000~3000_1000~3000



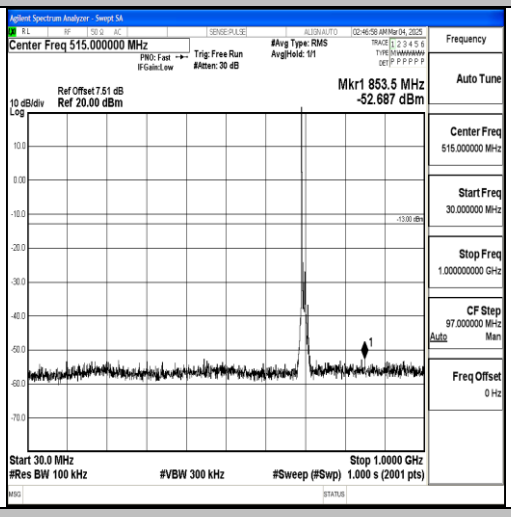
Band12_5MHz_16QAM_23155_1RB#0_3000~10000_3000~10000



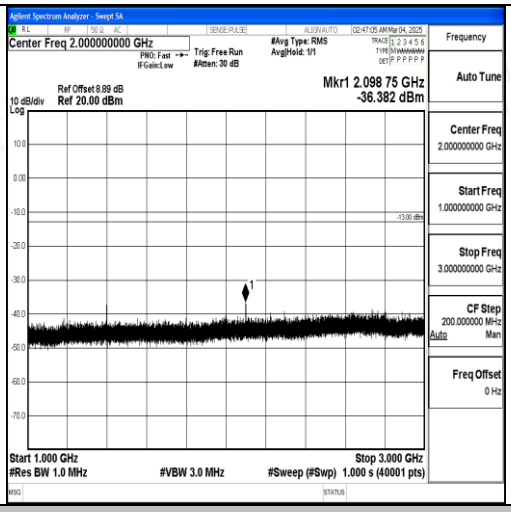
Band12_10MHz_QPSK_23060_1RB#0_0.009~0.15_0.009~0.15



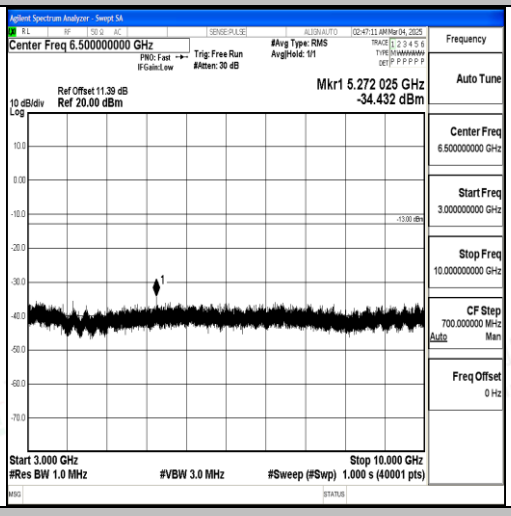
Band12_10MHz_QPSK_23060_1RB#0_0.15~30_0.15~30



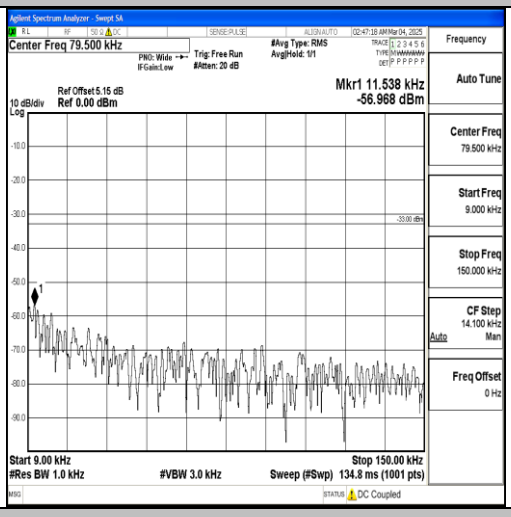
Band12_10MHz_QPSK_23060_1RB#0_30~1000_30~1000



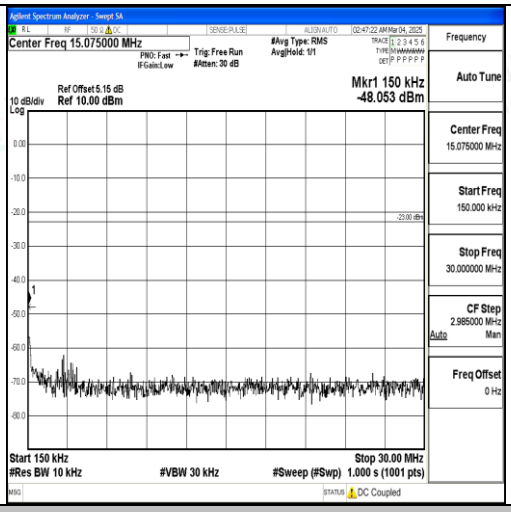
Band12_10MHz_QPSK_23060_1RB#0_1000~3000_1000~3000



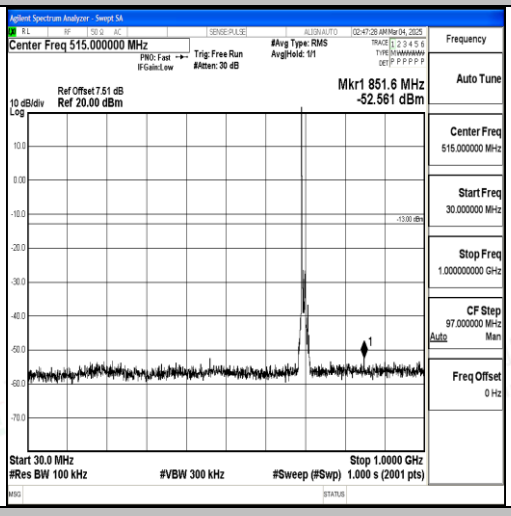
Band12_10MHz_QPSK_23060_1RB#0_3000~10000_3000~10000



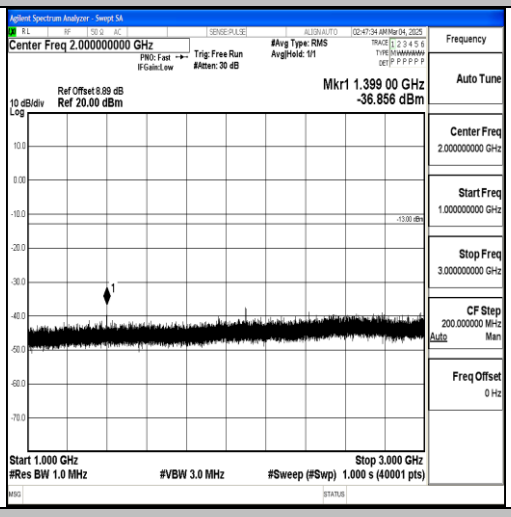
Band12_10MHz_16QAM_23060_1RB#0_0.009~0.15_0.009~0.15



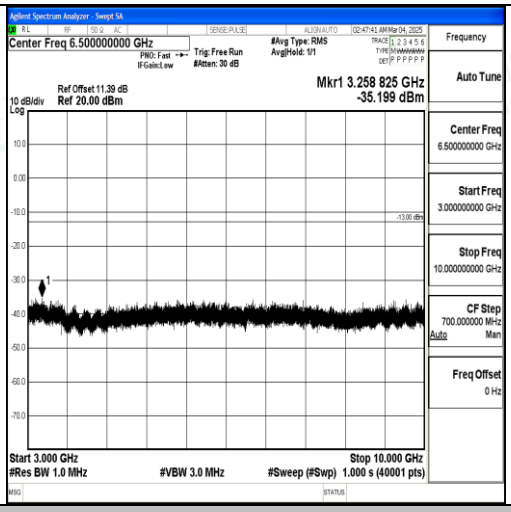
Band12_10MHz_16QAM_23060_1RB#0_0.15~30_0.15~30



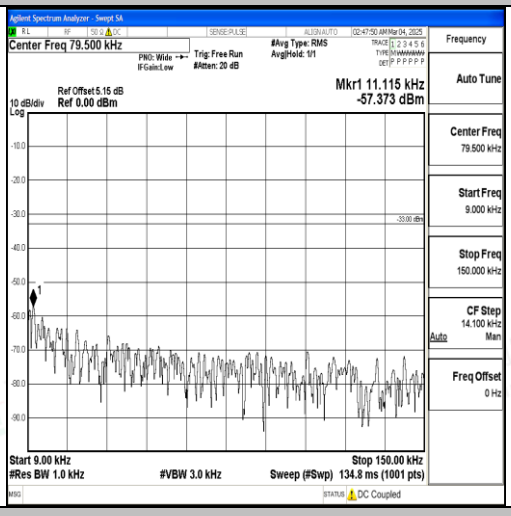
Band12_10MHz_16QAM_23060_1RB#0_30~1000_30~1000



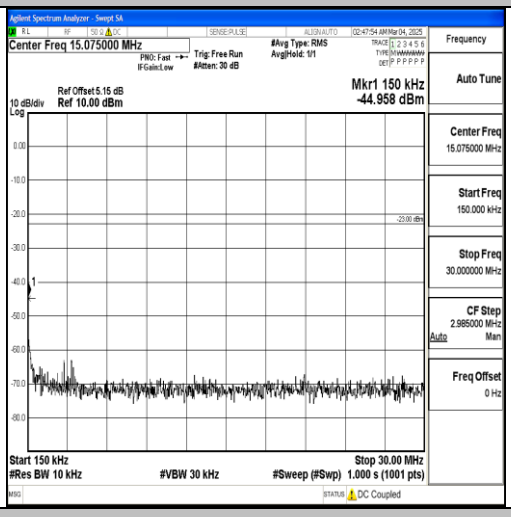
Band12_10MHz_16QAM_23060_1RB#0_1000~3000_1000~3000



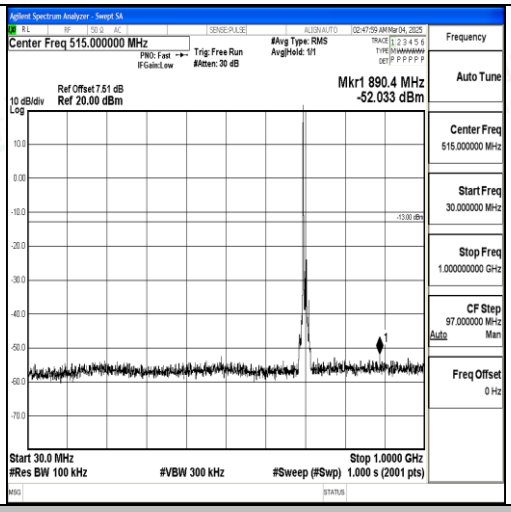
Band12_10MHz_16QAM_23060_1RB#0_3000~10000_3000~10000



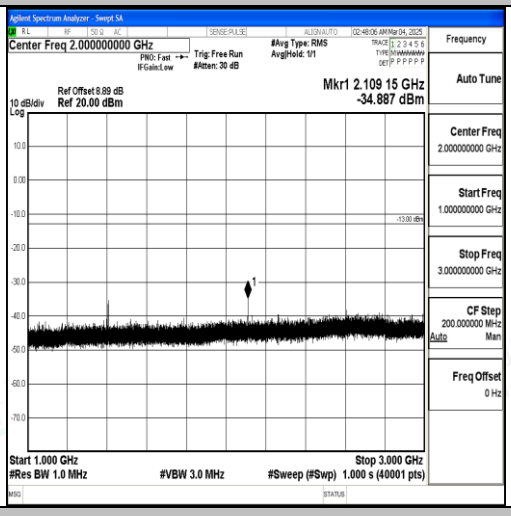
Band12_10MHz_QPSK_23095_1RB#0_0.009~0.15_0.009~0.15



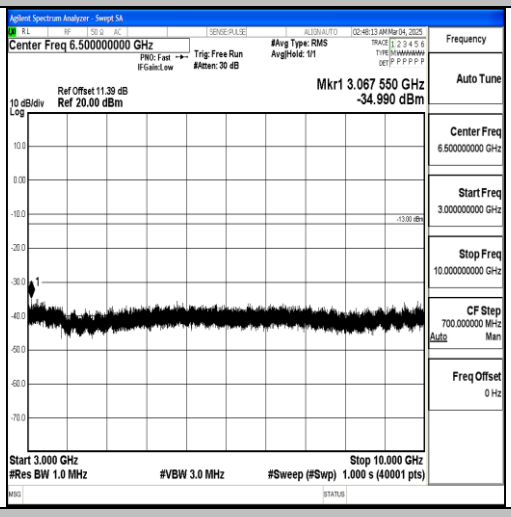
Band12_10MHz_QPSK_23095_1RB#0_0.15~30_0.15~30



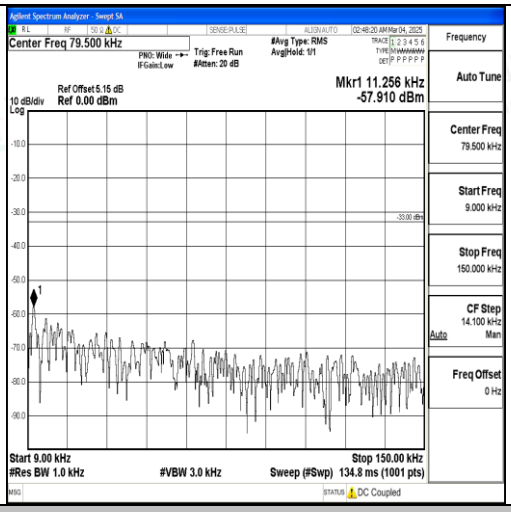
Band12_10MHz_QPSK_23095_1RB#0_30~1000_30~1000



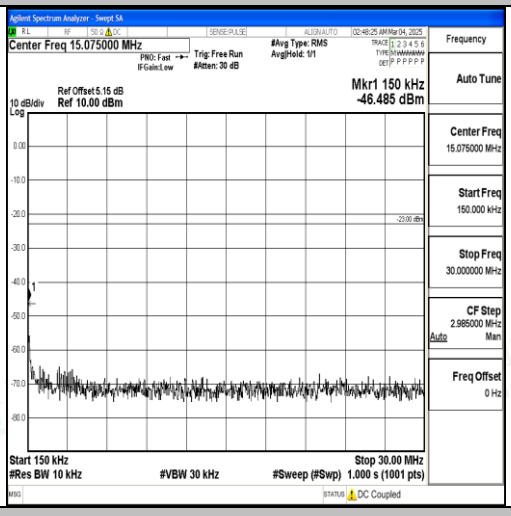
Band12_10MHz_QPSK_23095_1RB#0_1000~3000_1000~3000



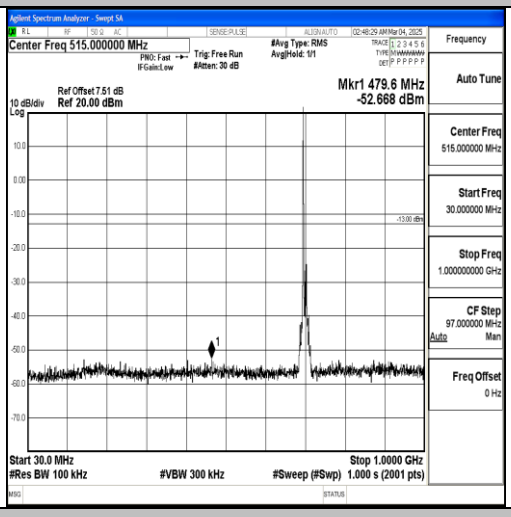
Band12_10MHz_QPSK_23095_1RB#0_3000~10000_3000~10000



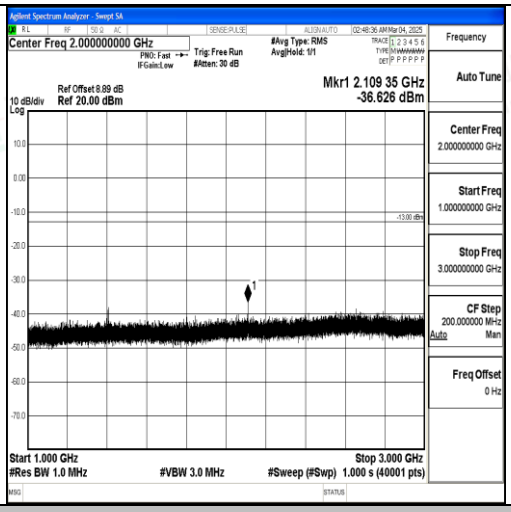
Band12_10MHz_16QAM_23095_1RB#0_0.009~0.15_0.009~0.15



Band12_10MHz_16QAM_23095_1RB#0_0.15~30_0.15~30



Band12_10MHz_16QAM_23095_1RB#0_30~1000_30~1000



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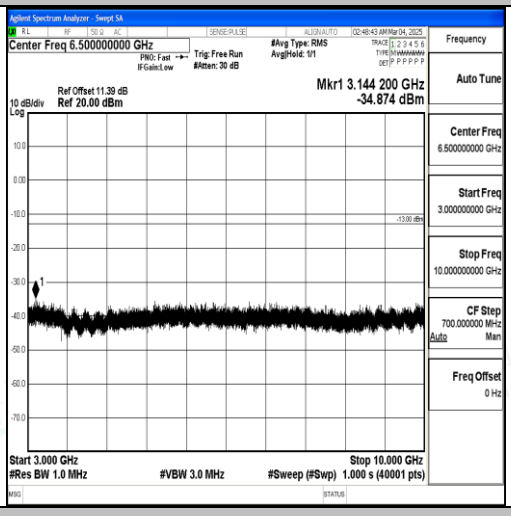

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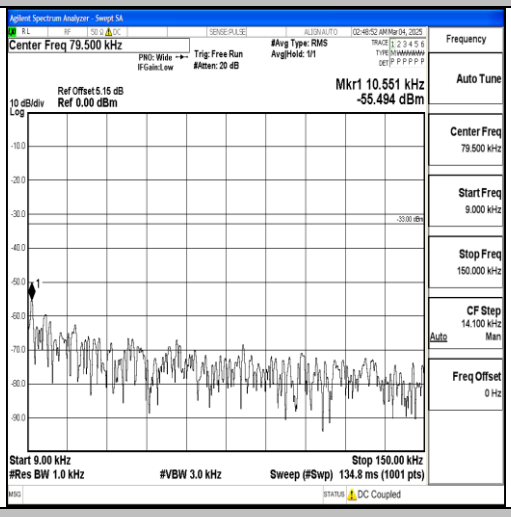
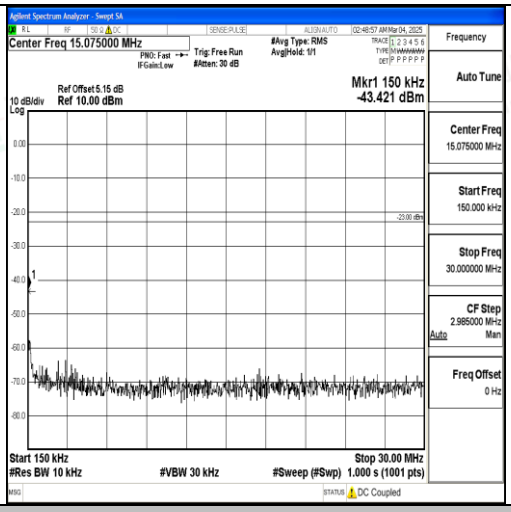
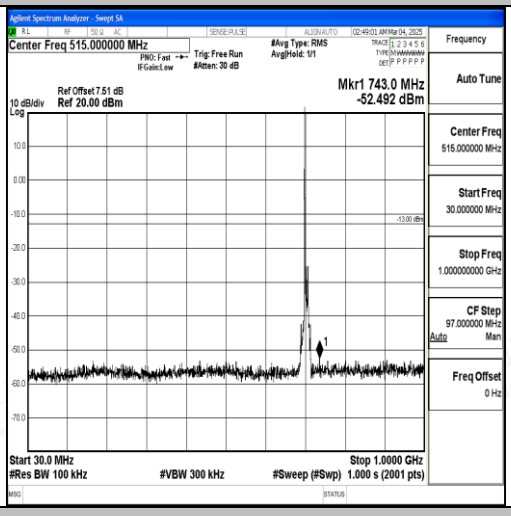


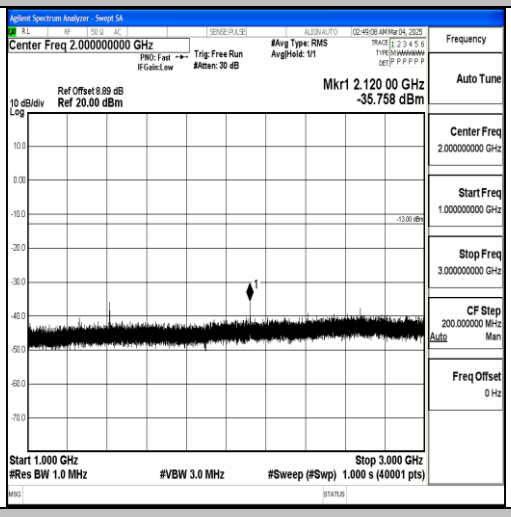
Band12_10MHz_QPSK_23130_1RB#0_0.009~0.15_0.009~0.15



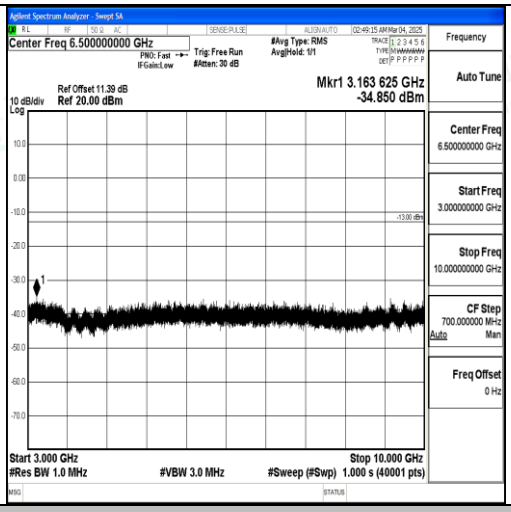
Band12_10MHz_QPSK_23130_1RB#0_0.15~30_0.15~30



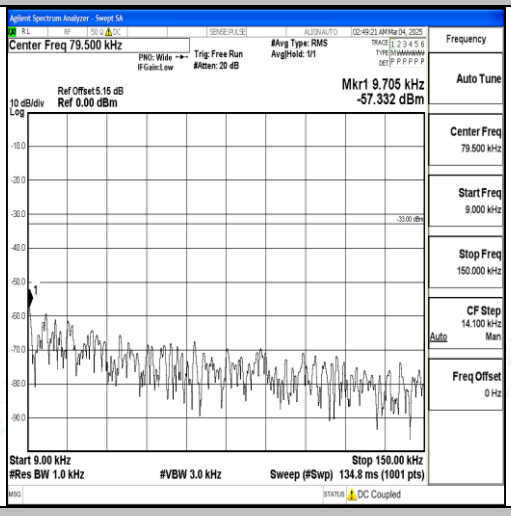
Band12_10MHz_QPSK_23130_1RB#0_30~1000_30~1000



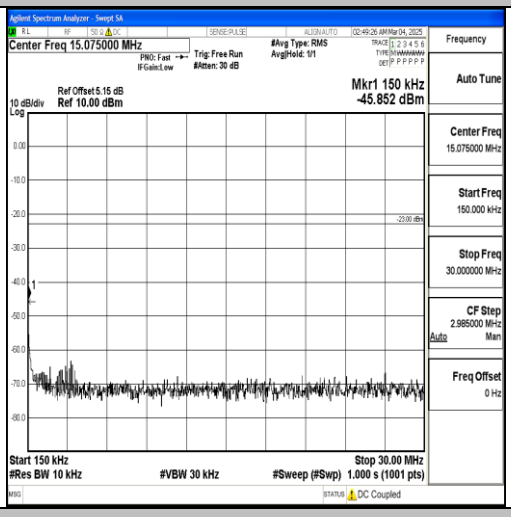
Band12_10MHz_QPSK_23130_1RB#0_1000~3000_1000~3000



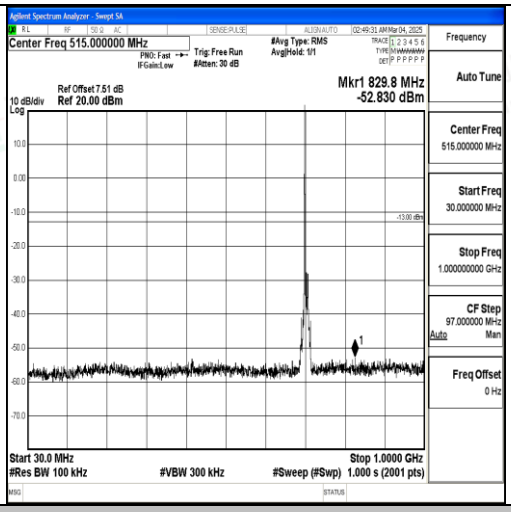
Band12_10MHz_QPSK_23130_1RB#0_3000~10000_3000~10000



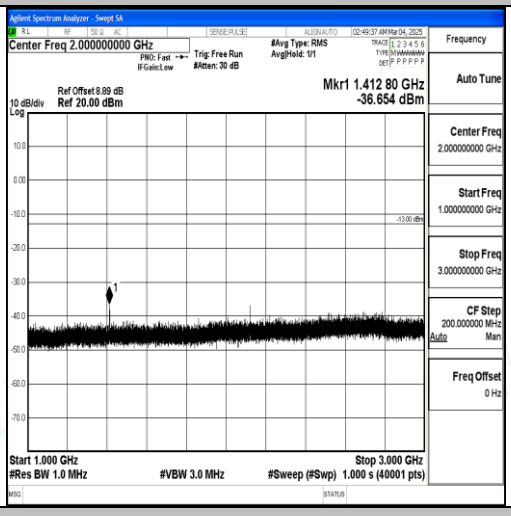
Band12_10MHz_16QAM_23130_1RB#0_0.009~0.15_0.009~0.15



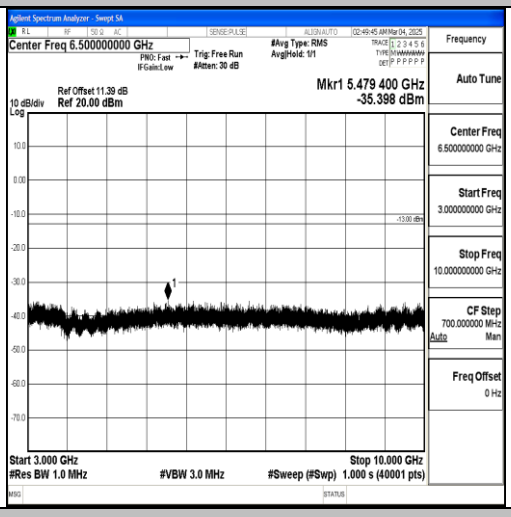
Band12_10MHz_16QAM_23130_1RB#0_0.15~30_0.15~30



Band12_10MHz_16QAM_23130_1RB#0_30~1000_30~1000



Band12_10MHz_16QAM_23130_1RB#0_1000~3000_1000~3000



Band12_10MHz_16QAM_23130_1RB#0_3000~10000_3000~10000

Appendix M: Test Data for E-UTRA Band 13

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

M.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	24.12	PASS
Band13	5MHz	16QAM	23205	1RB#0	23.20	PASS
Band13	5MHz	QPSK	23205	1RB#12	24.26	PASS
Band13	5MHz	16QAM	23205	1RB#12	23.26	PASS
Band13	5MHz	QPSK	23205	1RB#24	24.28	PASS
Band13	5MHz	16QAM	23205	1RB#24	23.35	PASS
Band13	5MHz	QPSK	23205	12RB#0	23.15	PASS
Band13	5MHz	16QAM	23205	12RB#0	22.22	PASS
Band13	5MHz	QPSK	23205	12RB#6	23.14	PASS
Band13	5MHz	16QAM	23205	12RB#6	22.22	PASS
Band13	5MHz	QPSK	23205	12RB#13	23.22	PASS
Band13	5MHz	16QAM	23205	12RB#13	22.30	PASS
Band13	5MHz	QPSK	23205	25RB#0	23.22	PASS
Band13	5MHz	16QAM	23205	25RB#0	22.18	PASS
Band13	5MHz	QPSK	23230	1RB#0	24.30	PASS
Band13	5MHz	16QAM	23230	1RB#0	23.17	PASS
Band13	5MHz	QPSK	23230	1RB#12	24.30	PASS
Band13	5MHz	16QAM	23230	1RB#12	23.13	PASS
Band13	5MHz	QPSK	23230	1RB#24	24.32	PASS
Band13	5MHz	16QAM	23230	1RB#24	23.20	PASS
Band13	5MHz	QPSK	23230	12RB#0	23.24	PASS
Band13	5MHz	16QAM	23230	12RB#0	22.26	PASS
Band13	5MHz	QPSK	23230	12RB#6	23.24	PASS
Band13	5MHz	16QAM	23230	12RB#6	22.26	PASS
Band13	5MHz	QPSK	23230	12RB#13	23.23	PASS
Band13	5MHz	16QAM	23230	12RB#13	22.24	PASS
Band13	5MHz	QPSK	23230	25RB#0	23.26	PASS
Band13	5MHz	16QAM	23230	25RB#0	22.27	PASS
Band13	5MHz	QPSK	23255	1RB#0	24.47	PASS
Band13	5MHz	16QAM	23255	1RB#0	23.27	PASS
Band13	5MHz	QPSK	23255	1RB#12	24.44	PASS
Band13	5MHz	16QAM	23255	1RB#12	23.30	PASS
Band13	5MHz	QPSK	23255	1RB#24	24.43	PASS
Band13	5MHz	16QAM	23255	1RB#24	23.30	PASS
Band13	5MHz	QPSK	23255	12RB#0	23.31	PASS
Band13	5MHz	16QAM	23255	12RB#0	22.31	PASS

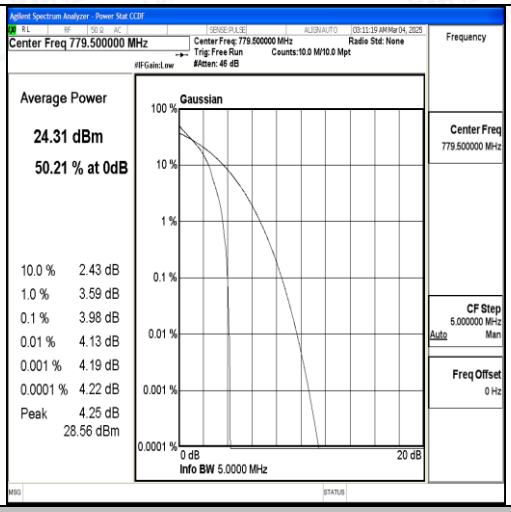
Band13	5MHz	QPSK	23255	12RB#6	23.32	PASS
Band13	5MHz	16QAM	23255	12RB#6	22.31	PASS
Band13	5MHz	QPSK	23255	12RB#13	23.30	PASS
Band13	5MHz	16QAM	23255	12RB#13	22.30	PASS
Band13	5MHz	QPSK	23255	25RB#0	23.34	PASS
Band13	5MHz	16QAM	23255	25RB#0	22.32	PASS
Band13	10MHz	QPSK	23230	1RB#0	24.15	PASS
Band13	10MHz	16QAM	23230	1RB#0	23.15	PASS
Band13	10MHz	QPSK	23230	1RB#24	24.19	PASS
Band13	10MHz	16QAM	23230	1RB#24	23.19	PASS
Band13	10MHz	QPSK	23230	1RB#49	24.29	PASS
Band13	10MHz	16QAM	23230	1RB#49	23.43	PASS
Band13	10MHz	QPSK	23230	25RB#0	23.19	PASS
Band13	10MHz	16QAM	23230	25RB#0	22.14	PASS
Band13	10MHz	QPSK	23230	25RB#12	23.19	PASS
Band13	10MHz	16QAM	23230	25RB#12	22.13	PASS
Band13	10MHz	QPSK	23230	25RB#25	23.22	PASS
Band13	10MHz	16QAM	23230	25RB#25	22.19	PASS
Band13	10MHz	QPSK	23230	50RB#0	23.21	PASS
Band13	10MHz	16QAM	23230	50RB#0	22.17	PASS

M.2 Peak-to-Average Ratio(CCDF)

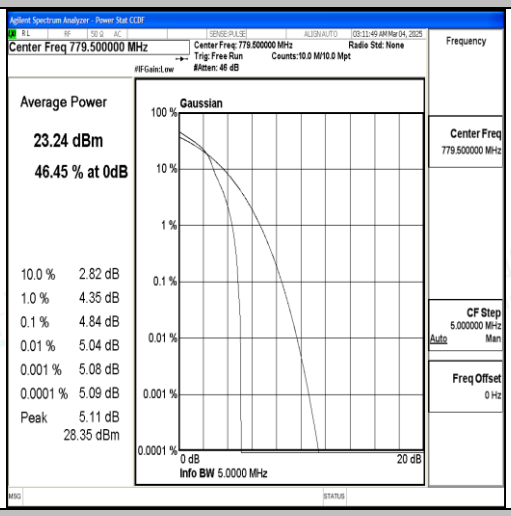
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	3.98	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	4.84	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.29	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.98	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	4.06	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	4.87	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.37	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.05	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	4.36	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	5.12	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.41	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.12	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	3.94	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	4.87	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.27	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.03	13	PASS

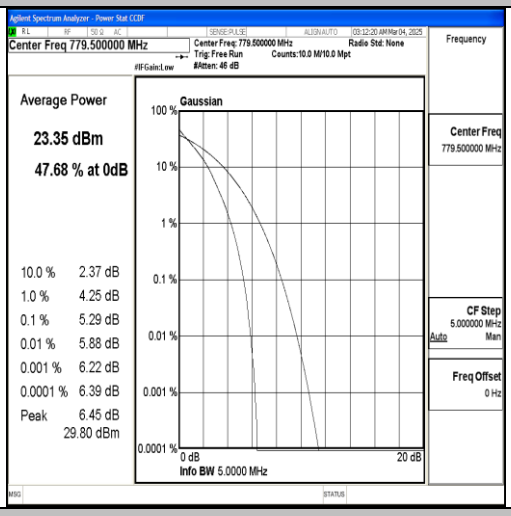
Test Graphs



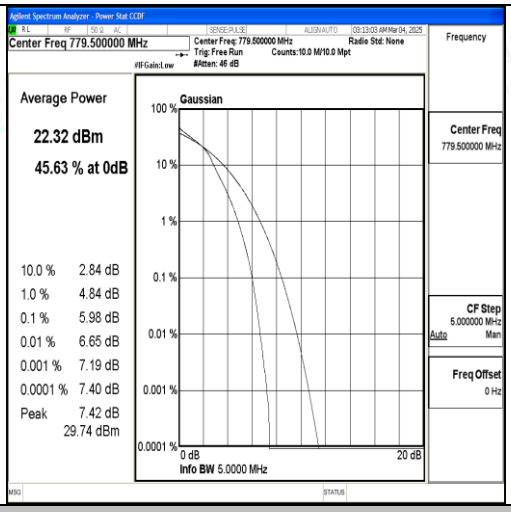
Band13-5MHz-QPSK-23205-1RB#0-PASS



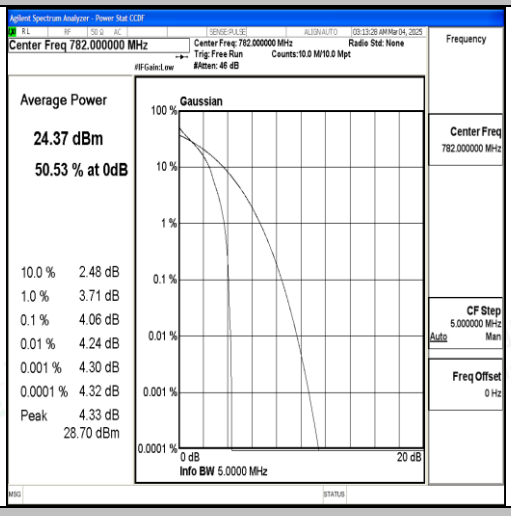
Band13-5MHz-16QAM-23205-1RB#0-PASS



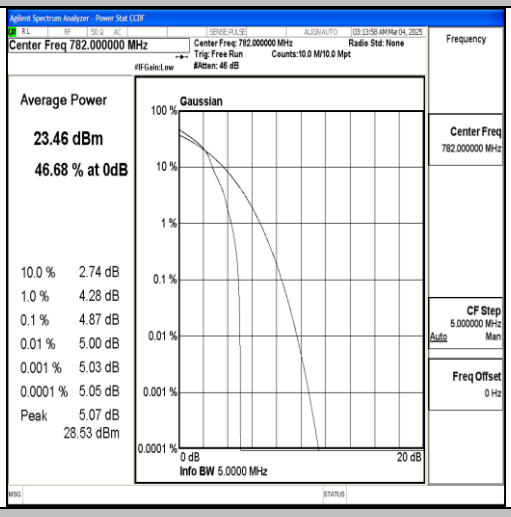
Band13-5MHz-QPSK-23205-25RB#0-PASS



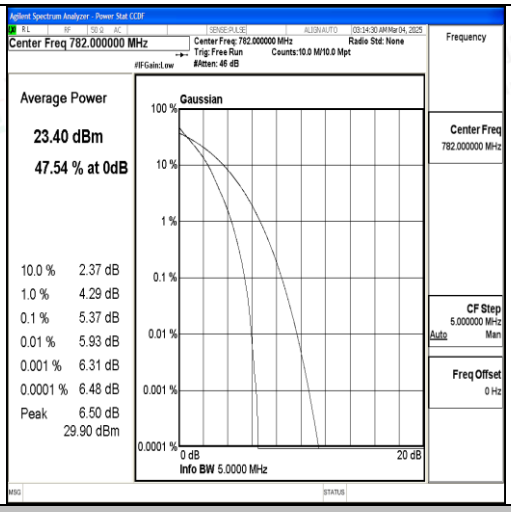
Band13-5MHz-16QAM-23205-25RB#0-PASS



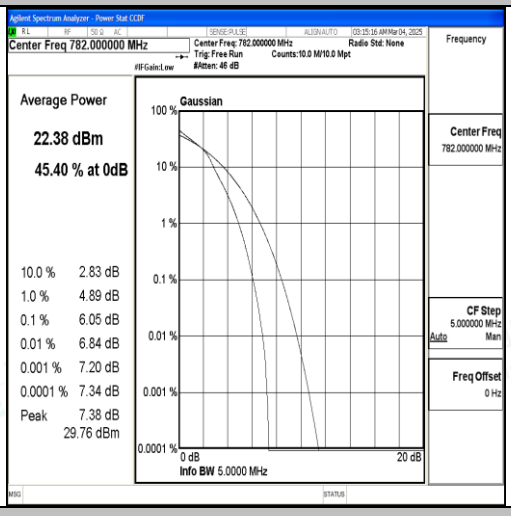
Band13-5MHz-QPSK-23230-1RB#0-PASS



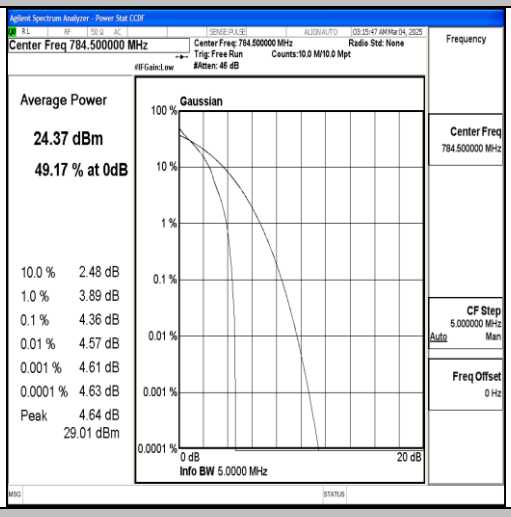
Band13-5MHz-16QAM-23230-1RB#0-PASS



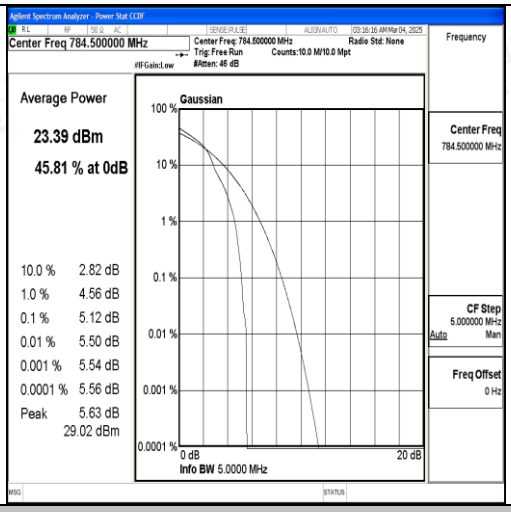
Band13-5MHz-QPSK-23230-25RB#0-PASS



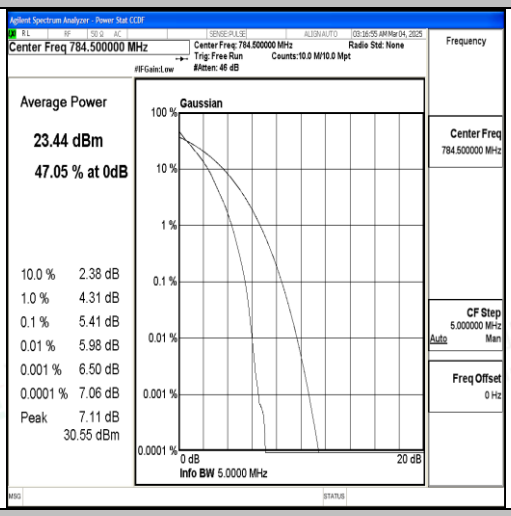
Band13-5MHz-16QAM-23230-25RB#0-PASS



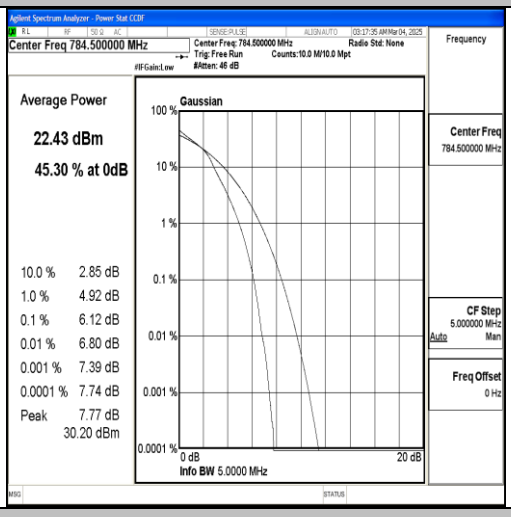
Band13-5MHz-QPSK-23255-1RB#0-PASS



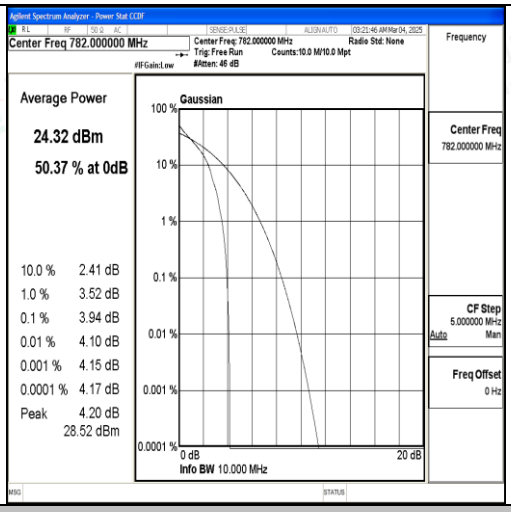
Band13-5MHz-16QAM-23255-1RB#0-PASS



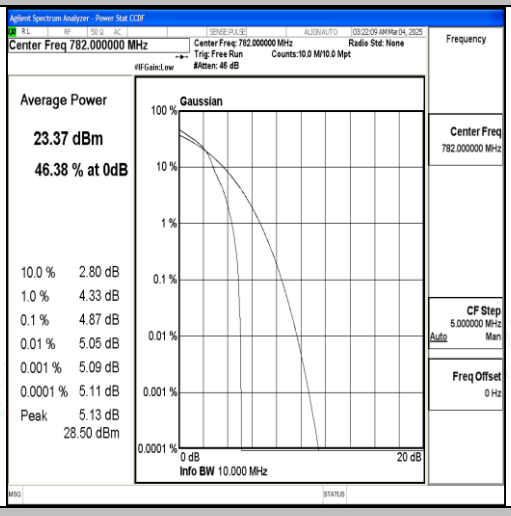
Band13-5MHz-QPSK-23255-25RB#0-PASS



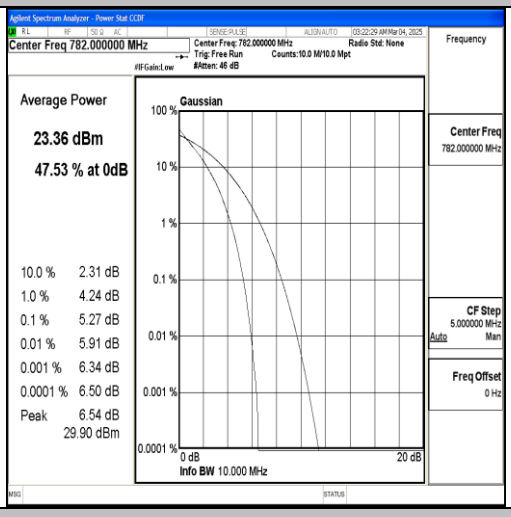
Band13-5MHz-16QAM-23255-25RB#0-PASS



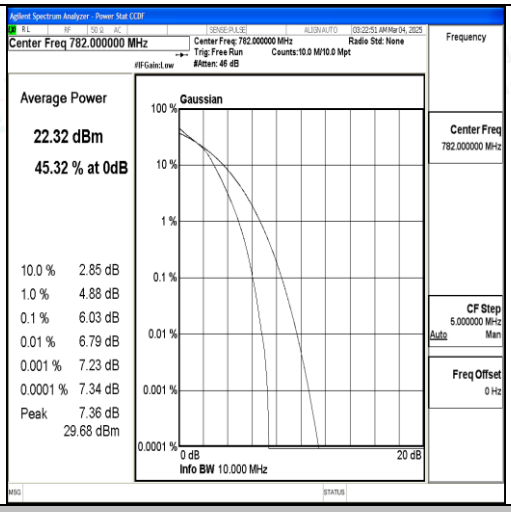
Band13-10MHz-QPSK-23230-1RB#0-PASS



Band13-10MHz-16QAM-23230-1RB#0-PASS



Band13-10MHz-QPSK-23230-50RB#0-PASS



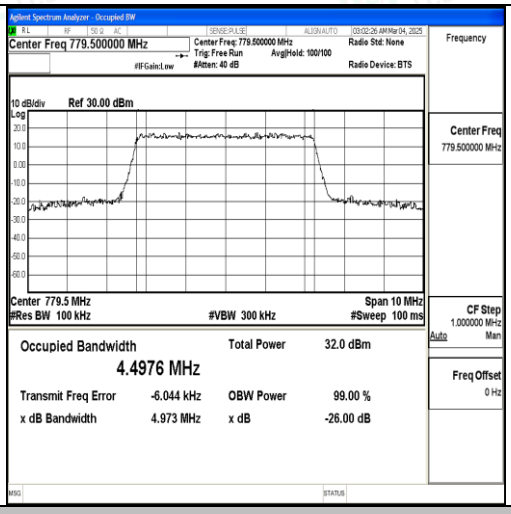
Band13-10MHz-16QAM-23230-50RB#0-PASS

M.3 26dB Bandwidth and Occupied Bandwidth

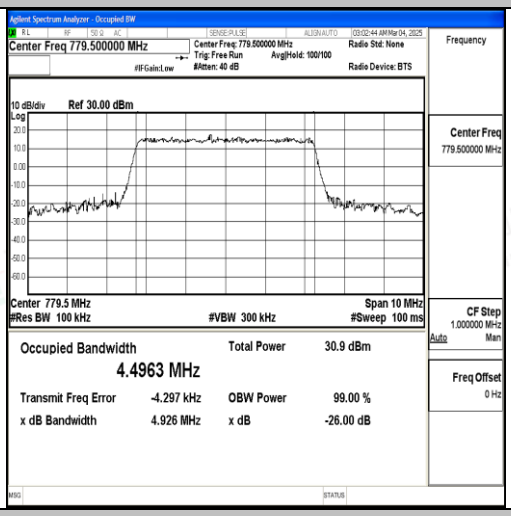
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4976	4.973	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4963	4.926	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4987	4.973	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5012	5.675	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5023	4.985	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5165	4.981	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9860	9.888	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9464	9.803	PASS

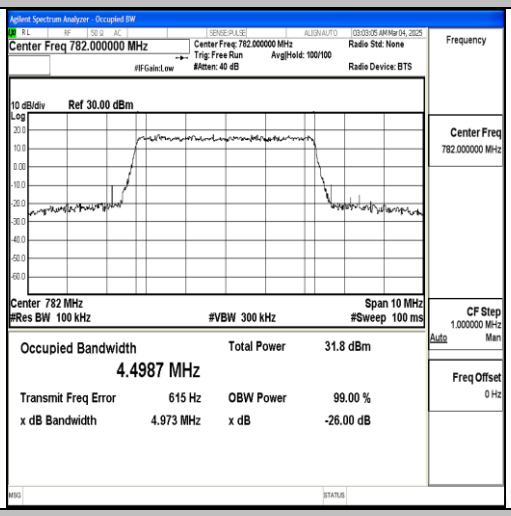
Test Graphs



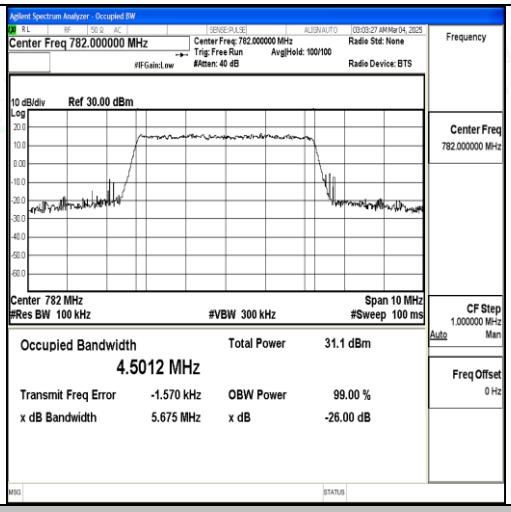
Band13-5MHz-QPSK-23205-25RB#0-PASS



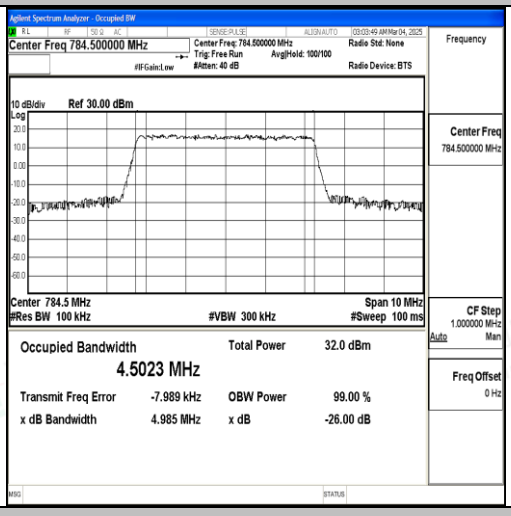
Band13-5MHz-16QAM-23205-25RB#0-PASS



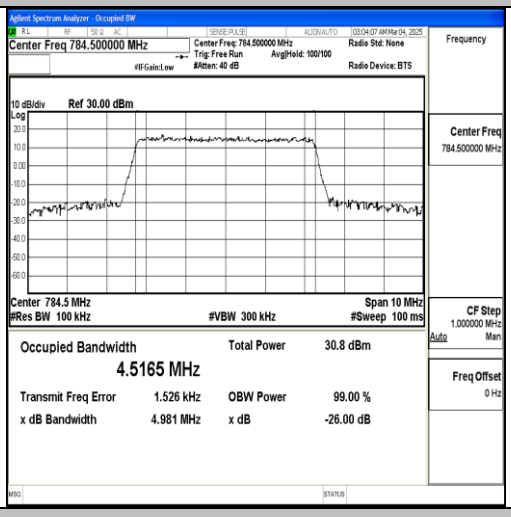
Band13-5MHz-QPSK-23230-25RB#0-PASS



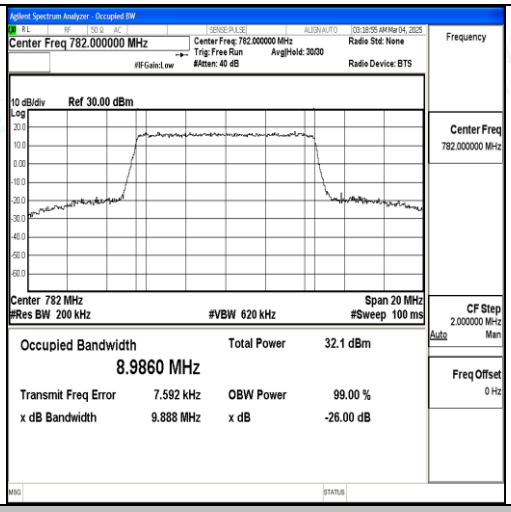
Band13-5MHz-16QAM-23230-25RB#0-PASS



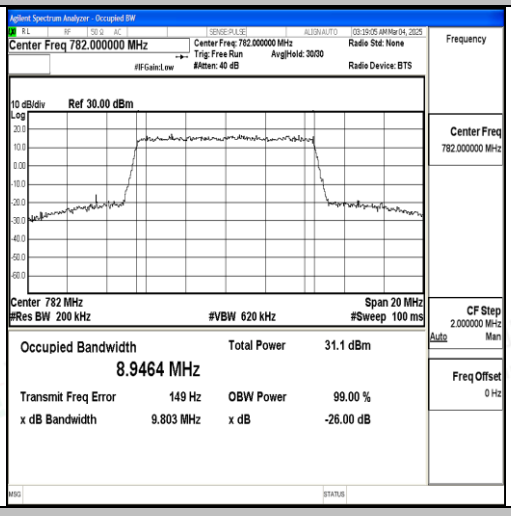
Band13-5MHz-QPSK-23255-25RB#0-PASS



Band13-5MHz-16QAM-23255-25RB#0-PASS



Band13-10MHz-QPSK-23230-50RB#0-PASS



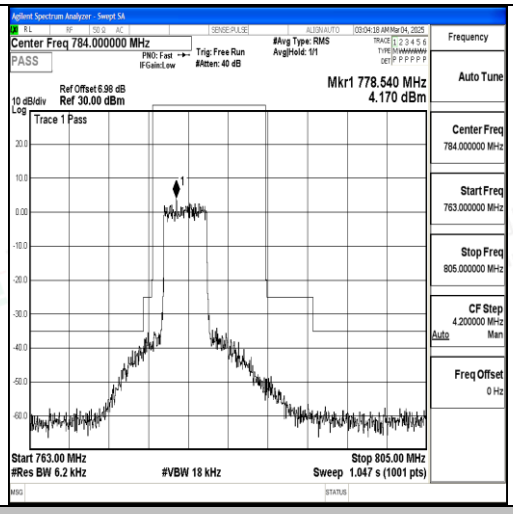
Band13-10MHz-16QAM-23230-50RB#0-PASS

M.4 Band Edge

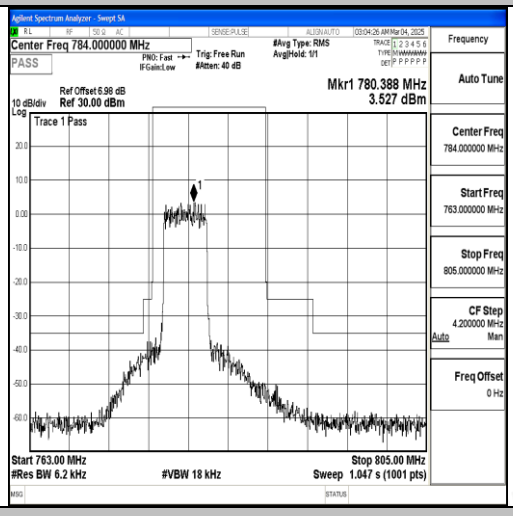
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	774.63	-39.37	PASS
Band13	5MHz	16QAM	23205	25RB#0	774.76	-41.06	PASS
Band13	5MHz	QPSK	23255	25RB#0	789.08	-36.71	PASS
Band13	5MHz	16QAM	23255	25RB#0	788.75	-38.55	PASS
Band13	10MHz	QPSK	23230	50RB#0	774.72	-41.39	PASS
Band13	10MHz	16QAM	23230	50RB#0	774.68	-42.19	PASS

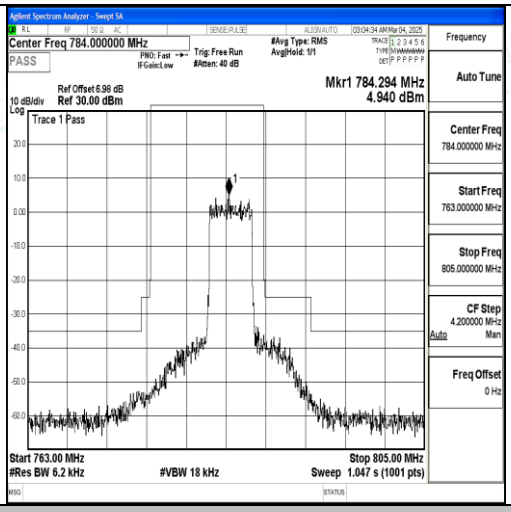
Test Graphs



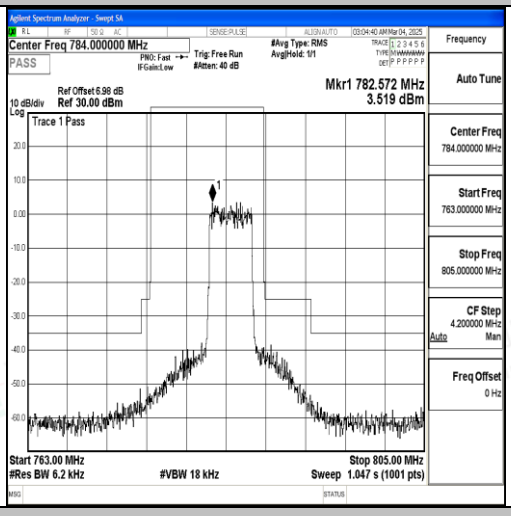
Band13_5MHz_QPSK_23205_25RB#0



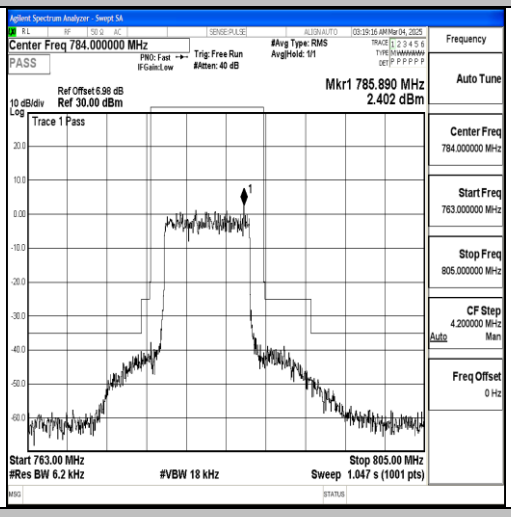
Band13_5MHz_16QAM_23205_25RB#0



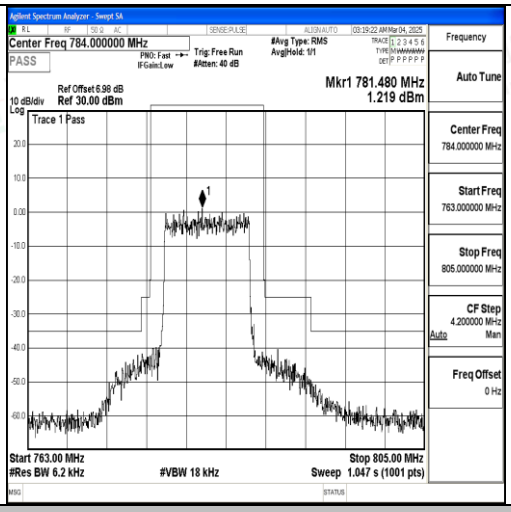
Band13_5MHz_QPSK_23255_25RB#0



Band13_5MHz_16QAM_23255_25RB#0



Band13_10MHz_QPSK_23230_50RB#0



Band13_10MHz_16QAM_23230_50RB#0

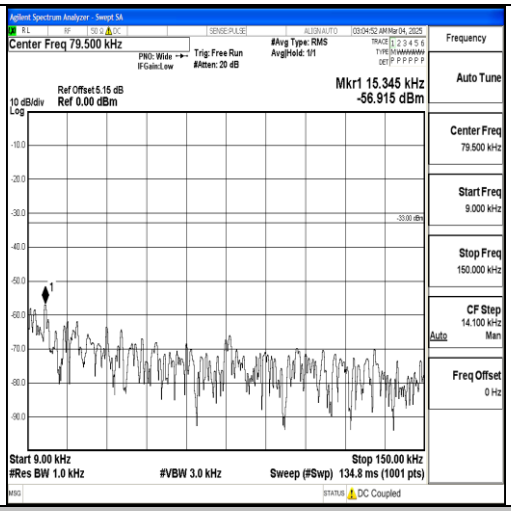
M.5 Conducted Spurious Emission

Test Result

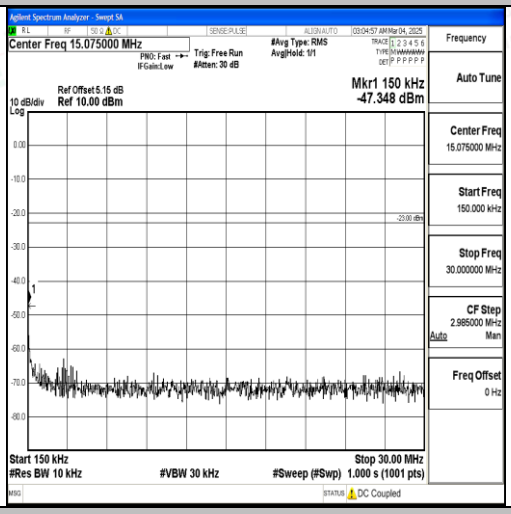
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	0.009~0.15	-56.92	PASS
Band13	5MHz	QPSK	23205	1RB#0	0.15~30	-47.35	PASS
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-52.45	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~3000	-36.10	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	-34.85	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.009~0.15	-55.83	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.15~30	-43.21	PASS
Band13	5MHz	16QAM	23205	1RB#0	30~1000	-52.48	PASS
Band13	5MHz	16QAM	23205	1RB#0	1000~3000	-36.41	PASS
Band13	5MHz	16QAM	23205	1RB#0	3000~10000	-35.10	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.009~0.15	-57.47	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.15~30	-49.43	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-53.06	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~3000	-35.15	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	-35.15	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.009~0.15	-58.34	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.15~30	-47.42	PASS
Band13	5MHz	16QAM	23230	1RB#0	30~1000	-52.33	PASS
Band13	5MHz	16QAM	23230	1RB#0	1000~3000	-35.09	PASS
Band13	5MHz	16QAM	23230	1RB#0	3000~10000	-35.06	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.009~0.15	-55.90	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.15~30	-46.00	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-52.67	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~3000	-35.39	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	-35.72	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.009~0.15	-56.40	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.15~30	-46.44	PASS
Band13	5MHz	16QAM	23255	1RB#0	30~1000	-52.91	PASS
Band13	5MHz	16QAM	23255	1RB#0	1000~3000	-33.72	PASS
Band13	5MHz	16QAM	23255	1RB#0	3000~10000	-35.54	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.009~0.15	-62.23	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.15~30	-47.57	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-51.71	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~3000	-34.56	PASS
Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-35.55	PASS

Band13	10MHz	16QAM	23230	1RB#0	0.009~0.15	-57.63	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.15~30	-43.55	PASS
Band13	10MHz	16QAM	23230	1RB#0	30~1000	-52.97	PASS
Band13	10MHz	16QAM	23230	1RB#0	1000~3000	-36.28	PASS
Band13	10MHz	16QAM	23230	1RB#0	3000~10000	-35.05	PASS

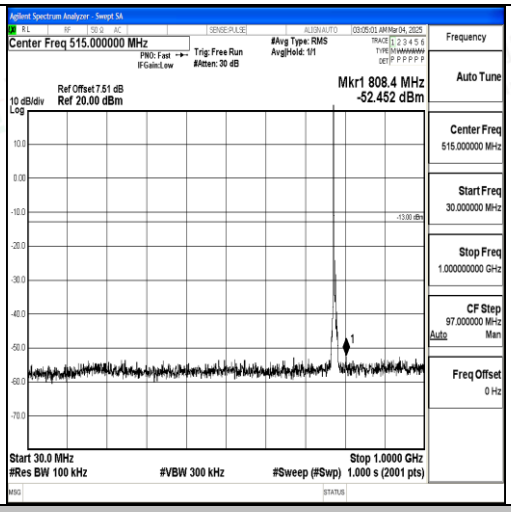
Test Graphs



Band13_5MHz_QPSK_23205_1RB#0_0.009~0.15_0.009~0.15



Band13_5MHz_QPSK_23205_1RB#0_0.15~30_0.15~30



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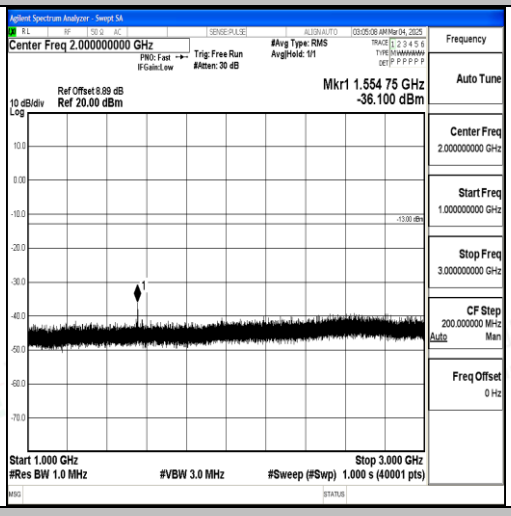
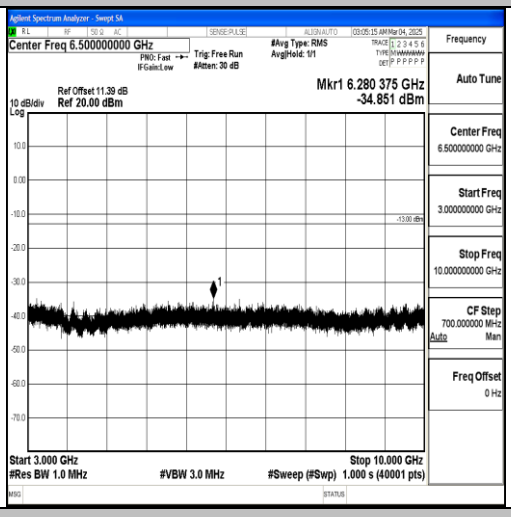
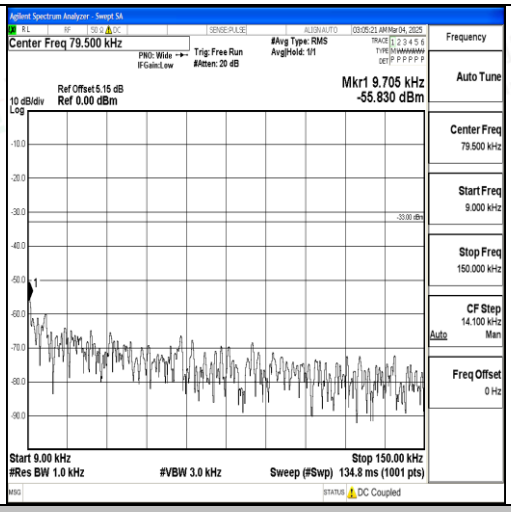


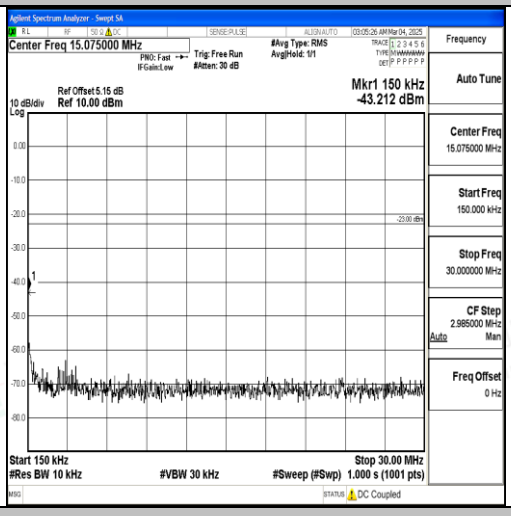
Band13_5MHz_QPSK_23205_1RB#0_1000~3000_1000~3000



Band13_5MHz_QPSK_23205_1RB#0_3000~10000_3000~10000



Band13_5MHz_16QAM_23205_1RB#0_0.009~0.15_0.009~0.15



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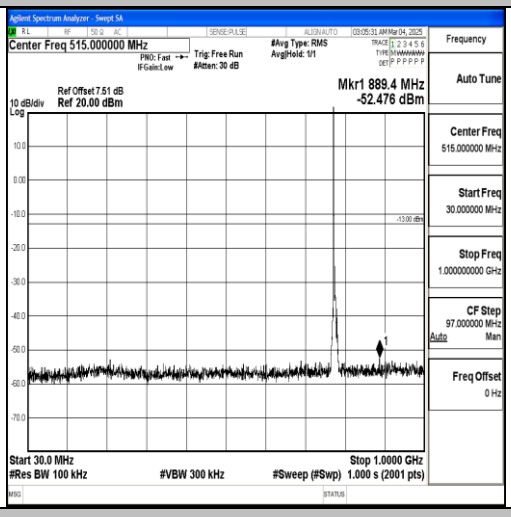

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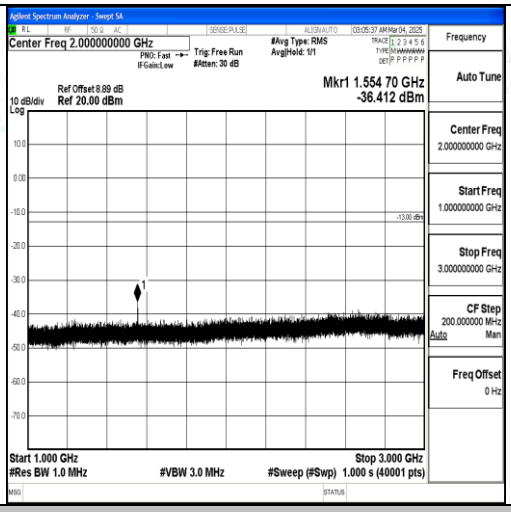

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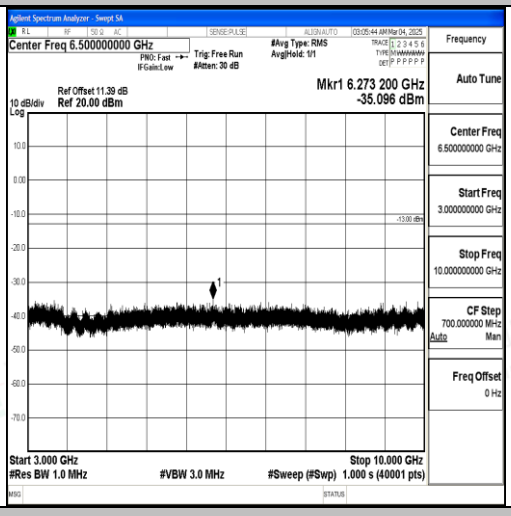

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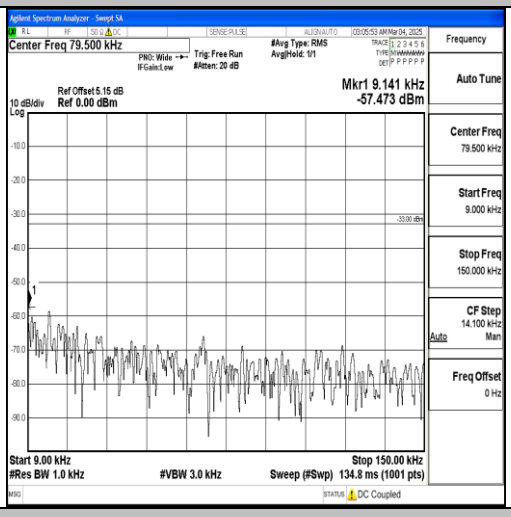

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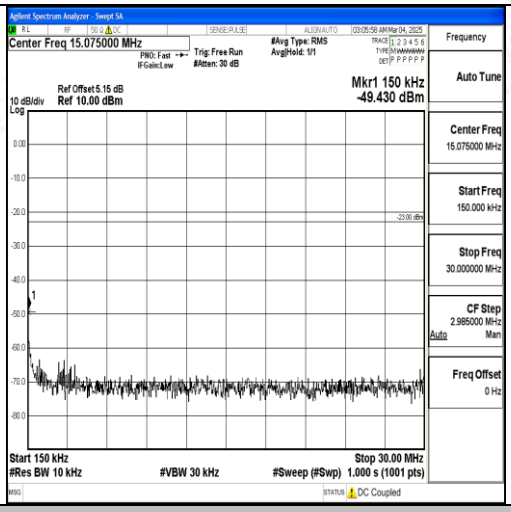

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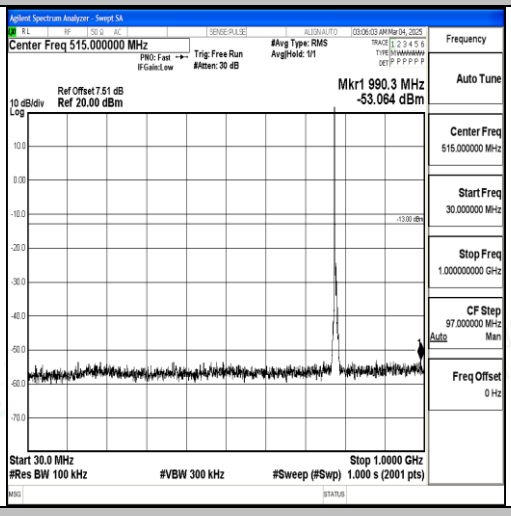

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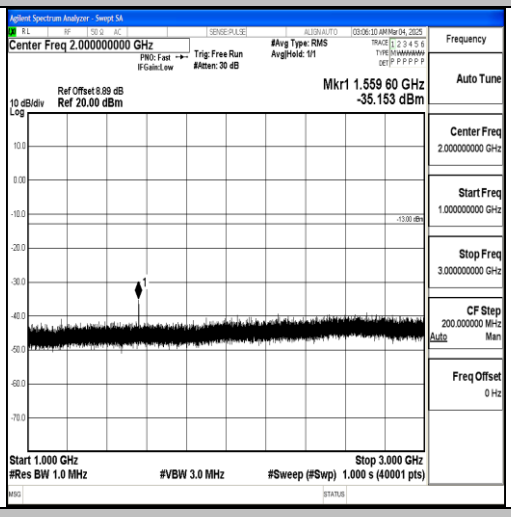

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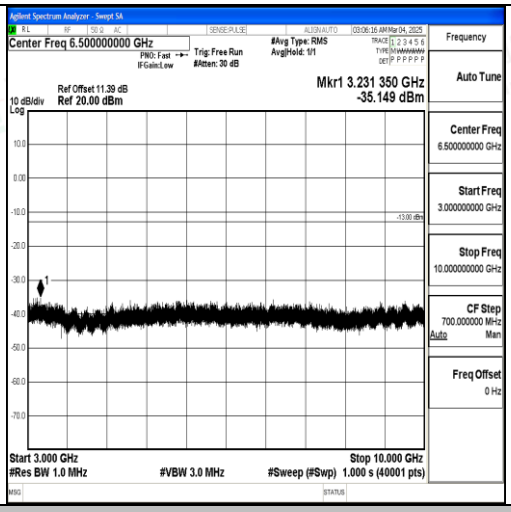

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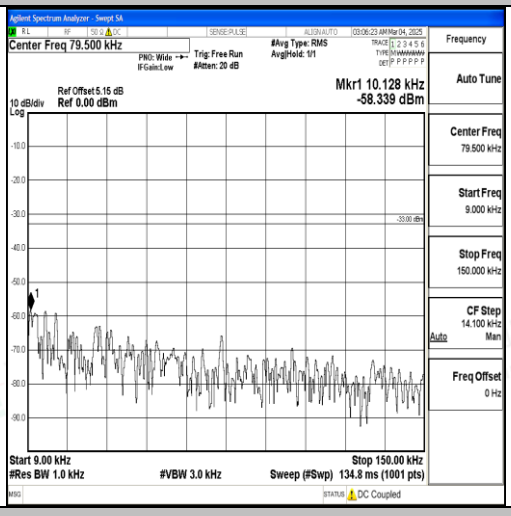

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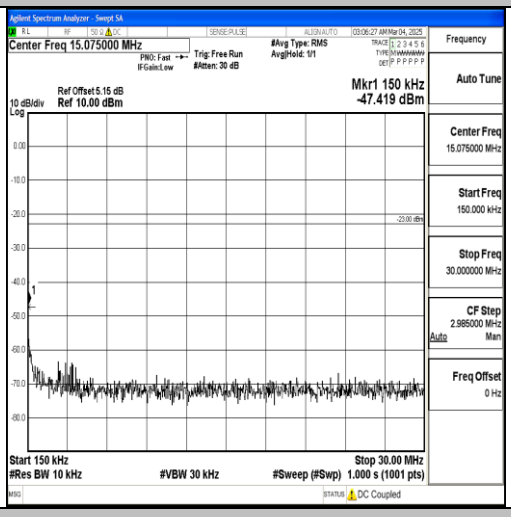

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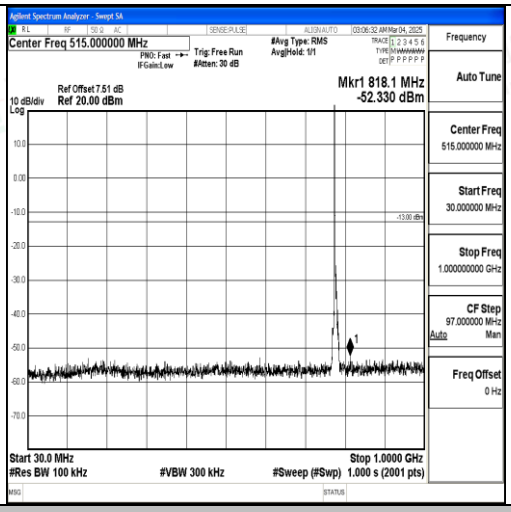

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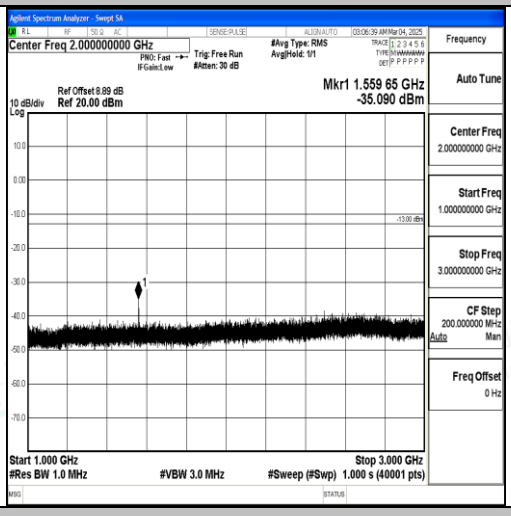

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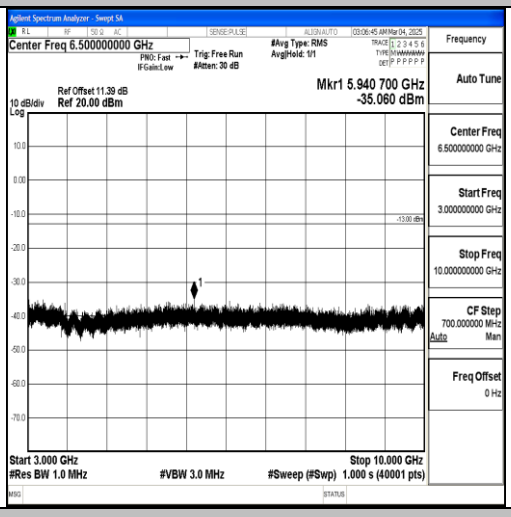

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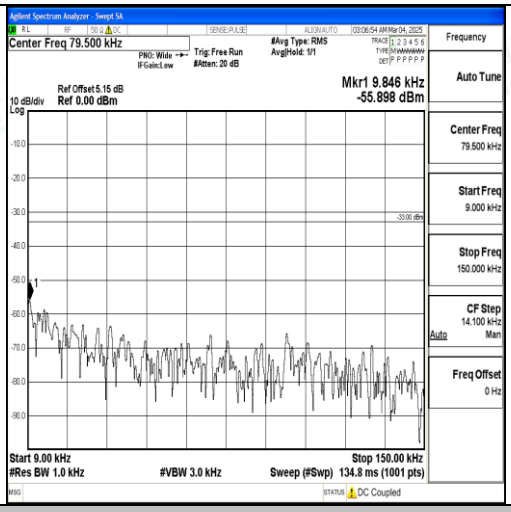
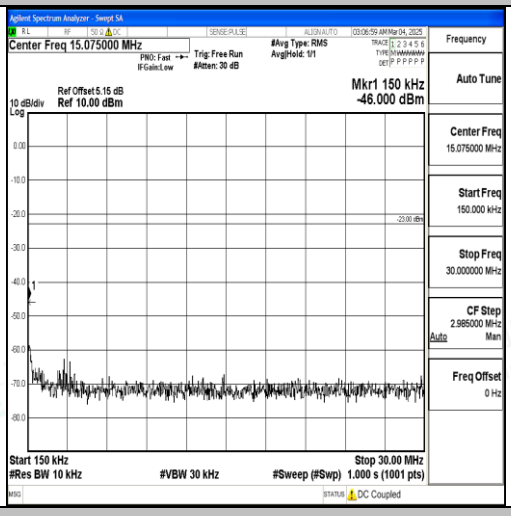
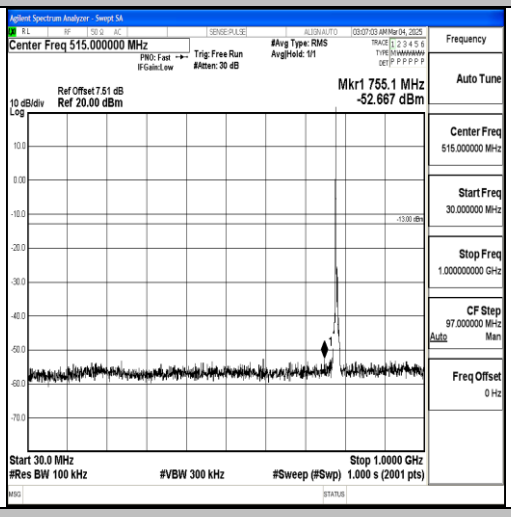


Band13_5MHz_QPSK_23255_1RB#0_0.009~0.15_0.009~0.15



Band13_5MHz_QPSK_23255_1RB#0_0.15~30_0.15~30



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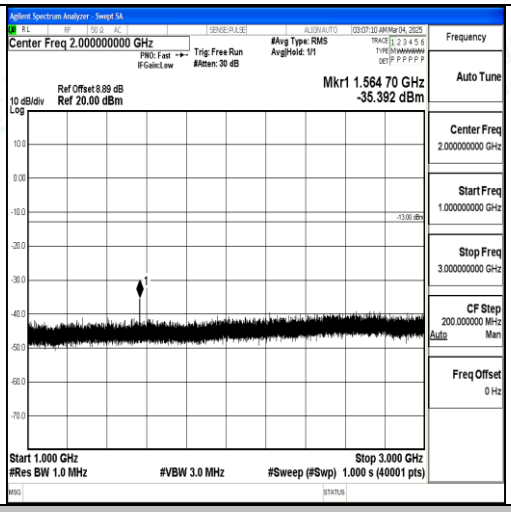

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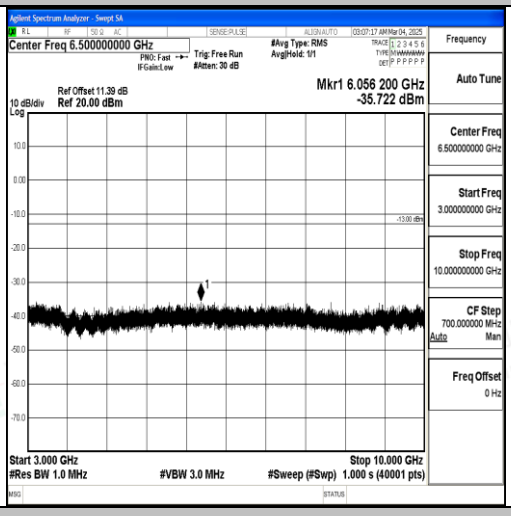

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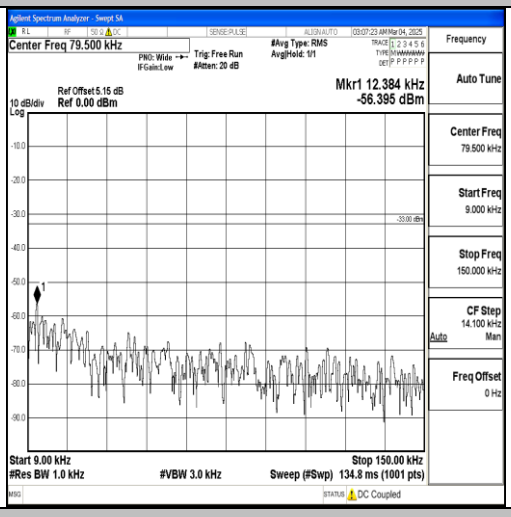

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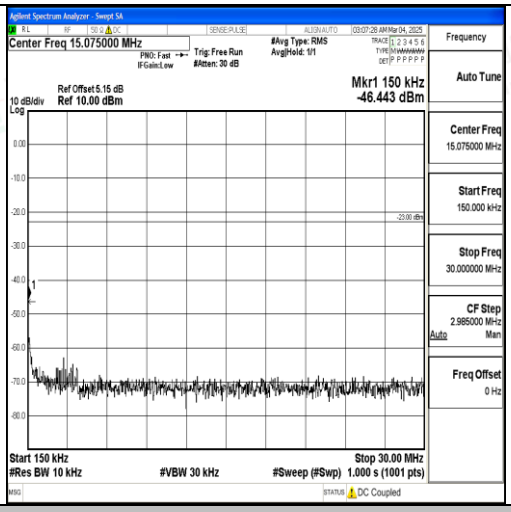
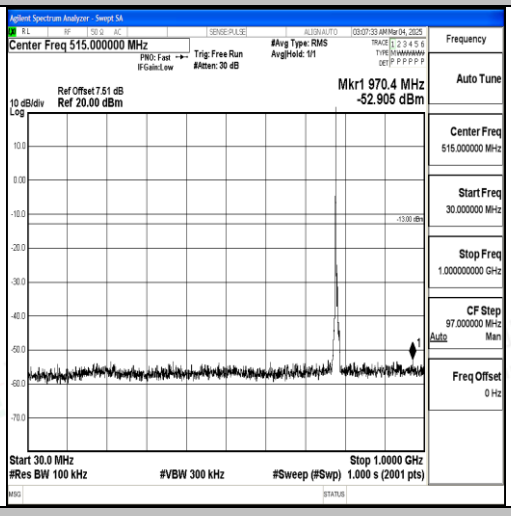
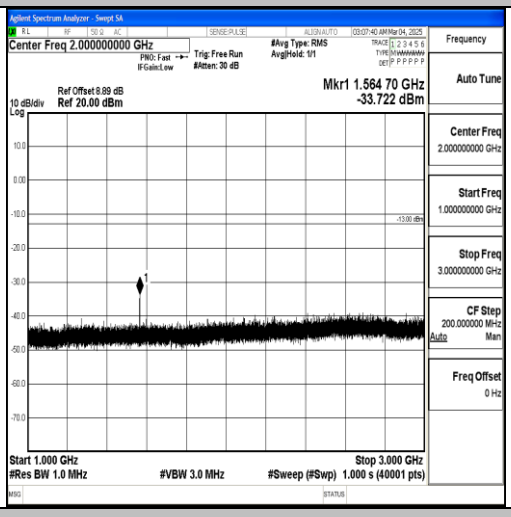


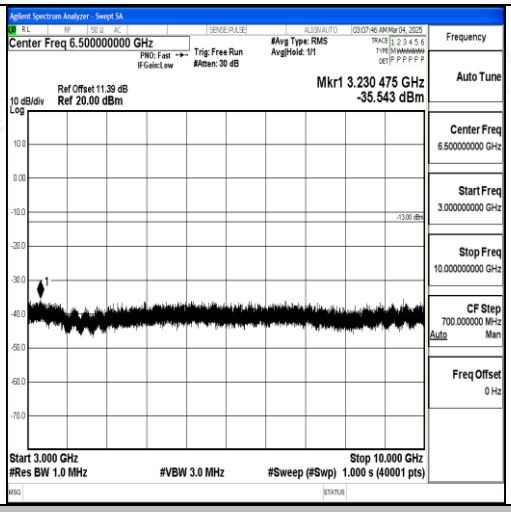
Band13_5MHz_16QAM_23255_1RB#0_0.15~30_0.15~30



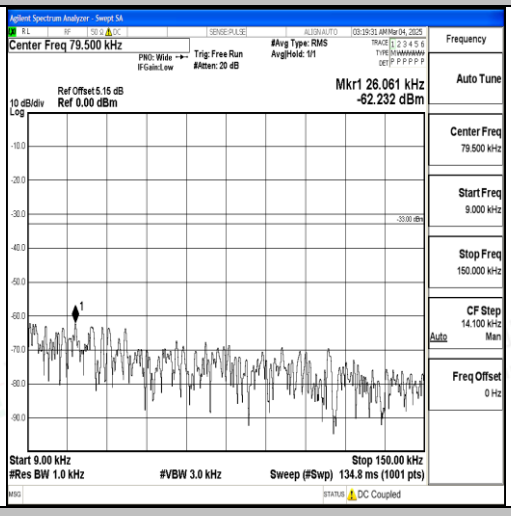
Band13_5MHz_16QAM_23255_1RB#0_30~1000_30~1000



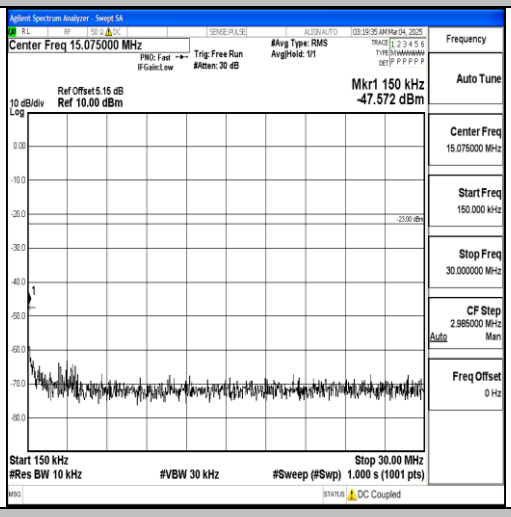
Band13_5MHz_16QAM_23255_1RB#0_1000~3000_1000~3000



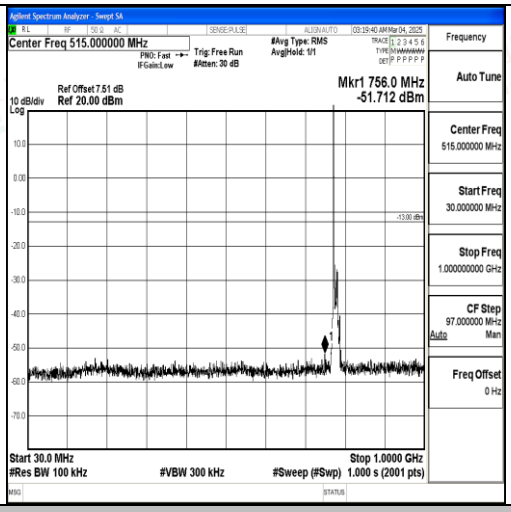
Band13_5MHz_16QAM_23255_1RB#0_3000~10000_3000~10000



Band13_10MHz_QPSK_23230_1RB#0_0.009~0.15_0.009~0.15



Band13_10MHz_QPSK_23230_1RB#0_0.15~30_0.15~30



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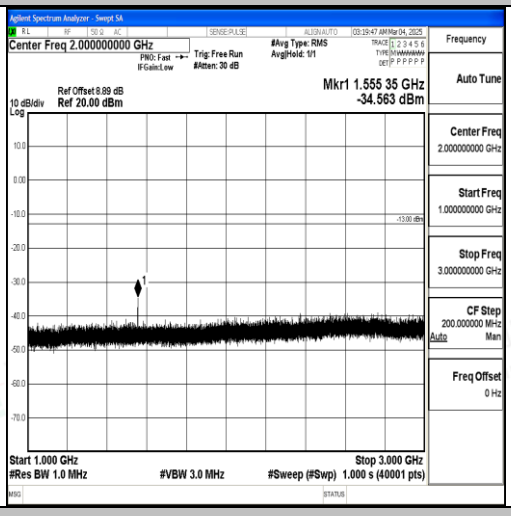
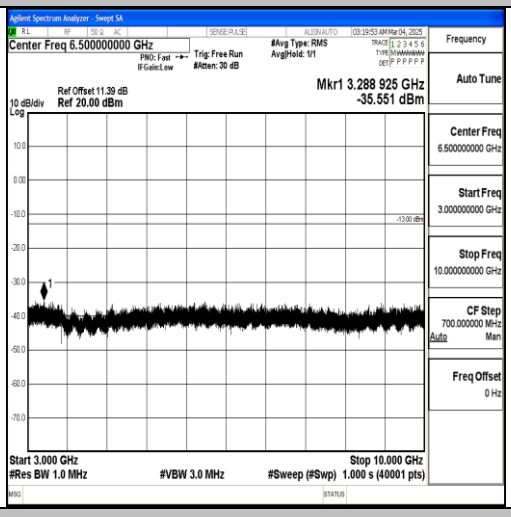
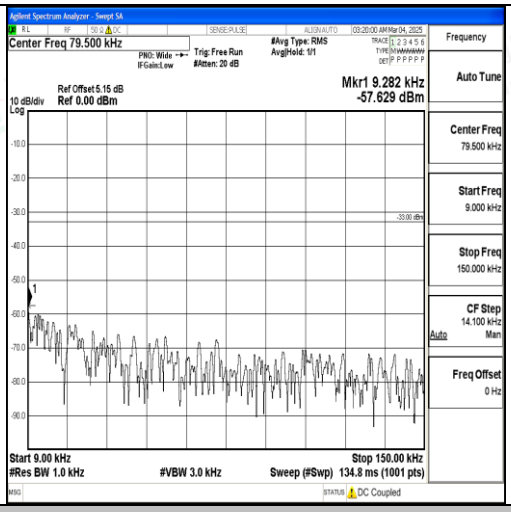


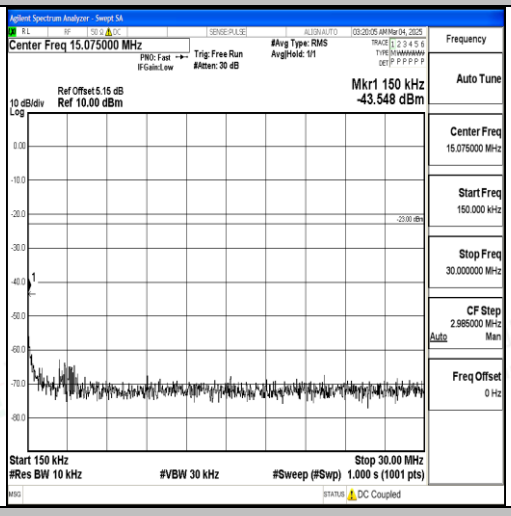
Band13_10MHz_QPSK_23230_1RB#0_1000~3000_1000~3000



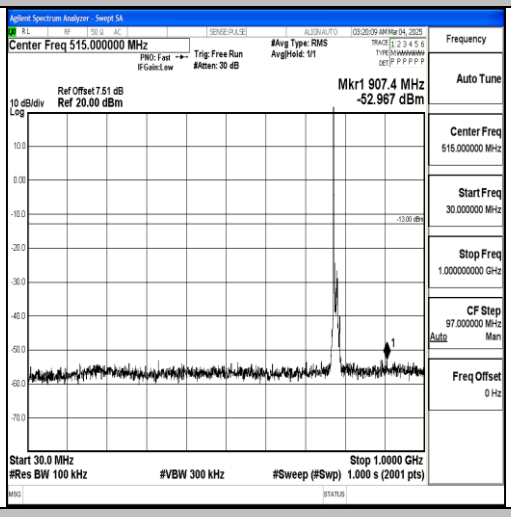
Band13_10MHz_QPSK_23230_1RB#0_3000~10000_3000~10000



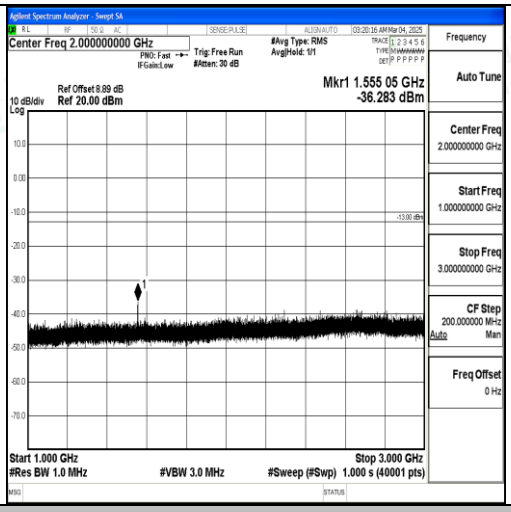
Band13_10MHz_16QAM_23230_1RB#0_0.009~0.15_0.009~0.15



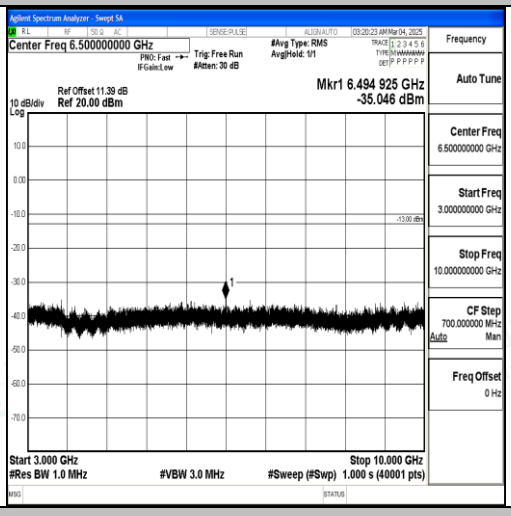
Band13_10MHz_16QAM_23230_1RB#0_0.15~30_0.15~30



Band13_10MHz_16QAM_23230_1RB#0_30~1000_30~1000



Band13_10MHz_16QAM_23230_1RB#0_1000~3000_1000~3000



Band13_10MHz_16QAM_23230_1RB#0_3000~10000_3000~10000

Appendix N: Test Data for E-UTRA Band 17

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

N.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	24.62	PASS
Band17	5MHz	16QAM	23755	1RB#0	23.47	PASS
Band17	5MHz	QPSK	23755	1RB#12	24.63	PASS
Band17	5MHz	16QAM	23755	1RB#12	23.44	PASS
Band17	5MHz	QPSK	23755	1RB#24	24.70	PASS
Band17	5MHz	16QAM	23755	1RB#24	23.53	PASS
Band17	5MHz	QPSK	23755	12RB#0	23.48	PASS
Band17	5MHz	16QAM	23755	12RB#0	22.46	PASS
Band17	5MHz	QPSK	23755	12RB#6	23.48	PASS
Band17	5MHz	16QAM	23755	12RB#6	22.46	PASS
Band17	5MHz	QPSK	23755	12RB#13	23.48	PASS
Band17	5MHz	16QAM	23755	12RB#13	22.46	PASS
Band17	5MHz	QPSK	23755	25RB#0	23.53	PASS
Band17	5MHz	16QAM	23755	25RB#0	22.53	PASS
Band17	5MHz	QPSK	23790	1RB#0	24.47	PASS
Band17	5MHz	16QAM	23790	1RB#0	23.53	PASS
Band17	5MHz	QPSK	23790	1RB#12	24.57	PASS
Band17	5MHz	16QAM	23790	1RB#12	23.56	PASS
Band17	5MHz	QPSK	23790	1RB#24	24.53	PASS
Band17	5MHz	16QAM	23790	1RB#24	23.53	PASS
Band17	5MHz	QPSK	23790	12RB#0	23.50	PASS
Band17	5MHz	16QAM	23790	12RB#0	22.57	PASS
Band17	5MHz	QPSK	23790	12RB#6	23.50	PASS
Band17	5MHz	16QAM	23790	12RB#6	22.58	PASS
Band17	5MHz	QPSK	23790	12RB#13	23.43	PASS
Band17	5MHz	16QAM	23790	12RB#13	22.51	PASS
Band17	5MHz	QPSK	23790	25RB#0	23.53	PASS
Band17	5MHz	16QAM	23790	25RB#0	22.47	PASS
Band17	5MHz	QPSK	23825	1RB#0	24.49	PASS
Band17	5MHz	16QAM	23825	1RB#0	23.34	PASS
Band17	5MHz	QPSK	23825	1RB#12	24.57	PASS
Band17	5MHz	16QAM	23825	1RB#12	23.35	PASS
Band17	5MHz	QPSK	23825	1RB#24	24.58	PASS
Band17	5MHz	16QAM	23825	1RB#24	23.38	PASS
Band17	5MHz	QPSK	23825	12RB#0	23.49	PASS
Band17	5MHz	16QAM	23825	12RB#0	22.51	PASS

Band17	5MHz	QPSK	23825	12RB#6	23.48	PASS
Band17	5MHz	16QAM	23825	12RB#6	22.49	PASS
Band17	5MHz	QPSK	23825	12RB#13	23.45	PASS
Band17	5MHz	16QAM	23825	12RB#13	22.49	PASS
Band17	5MHz	QPSK	23825	25RB#0	23.50	PASS
Band17	5MHz	16QAM	23825	25RB#0	22.50	PASS
Band17	10MHz	QPSK	23780	1RB#0	24.49	PASS
Band17	10MHz	16QAM	23780	1RB#0	23.47	PASS
Band17	10MHz	QPSK	23780	1RB#24	24.51	PASS
Band17	10MHz	16QAM	23780	1RB#24	23.53	PASS
Band17	10MHz	QPSK	23780	1RB#49	24.41	PASS
Band17	10MHz	16QAM	23780	1RB#49	23.41	PASS
Band17	10MHz	QPSK	23780	25RB#0	23.49	PASS
Band17	10MHz	16QAM	23780	25RB#0	22.45	PASS
Band17	10MHz	QPSK	23780	25RB#12	23.50	PASS
Band17	10MHz	16QAM	23780	25RB#12	22.46	PASS
Band17	10MHz	QPSK	23780	25RB#25	23.47	PASS
Band17	10MHz	16QAM	23780	25RB#25	22.40	PASS
Band17	10MHz	QPSK	23780	50RB#0	23.45	PASS
Band17	10MHz	16QAM	23780	50RB#0	22.44	PASS
Band17	10MHz	QPSK	23790	1RB#0	24.48	PASS
Band17	10MHz	16QAM	23790	1RB#0	23.34	PASS
Band17	10MHz	QPSK	23790	1RB#24	24.47	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.33	PASS
Band17	10MHz	QPSK	23790	1RB#49	24.49	PASS
Band17	10MHz	16QAM	23790	1RB#49	23.34	PASS
Band17	10MHz	QPSK	23790	25RB#0	23.47	PASS
Band17	10MHz	16QAM	23790	25RB#0	22.47	PASS
Band17	10MHz	QPSK	23790	25RB#12	23.48	PASS
Band17	10MHz	16QAM	23790	25RB#12	22.45	PASS
Band17	10MHz	QPSK	23790	25RB#25	23.42	PASS
Band17	10MHz	16QAM	23790	25RB#25	22.42	PASS
Band17	10MHz	QPSK	23790	50RB#0	23.43	PASS
Band17	10MHz	16QAM	23790	50RB#0	22.43	PASS
Band17	10MHz	QPSK	23800	1RB#0	24.54	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.35	PASS
Band17	10MHz	QPSK	23800	1RB#24	24.37	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.17	PASS
Band17	10MHz	QPSK	23800	1RB#49	24.43	PASS
Band17	10MHz	16QAM	23800	1RB#49	23.23	PASS
Band17	10MHz	QPSK	23800	25RB#0	23.48	PASS
Band17	10MHz	16QAM	23800	25RB#0	22.48	PASS

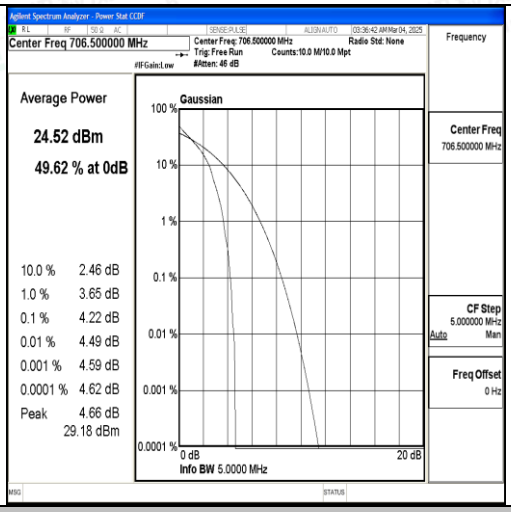
Band17	10MHz	QPSK	23800	25RB#12	23.50	PASS
Band17	10MHz	16QAM	23800	25RB#12	22.48	PASS
Band17	10MHz	QPSK	23800	25RB#25	23.43	PASS
Band17	10MHz	16QAM	23800	25RB#25	22.40	PASS
Band17	10MHz	QPSK	23800	50RB#0	23.44	PASS
Band17	10MHz	16QAM	23800	50RB#0	22.43	PASS

N.2 Peak-to-Average Ratio(CCDF)

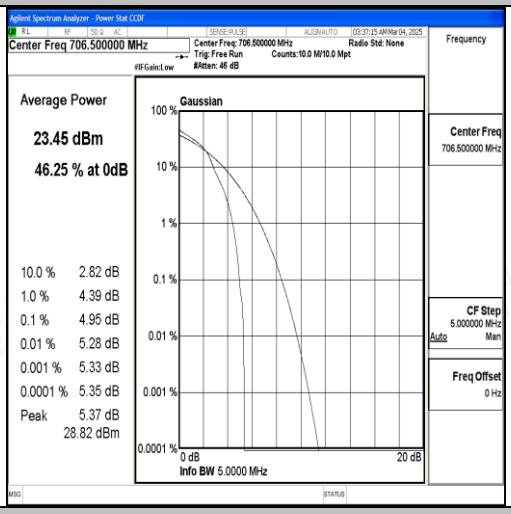
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	4.22	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	4.95	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.28	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	5.96	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	4.14	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	4.87	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.30	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.99	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.31	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.08	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.30	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.00	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	4.14	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.07	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.26	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.00	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	4.04	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	4.90	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.23	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.02	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	3.93	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.04	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.22	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.01	13	PASS

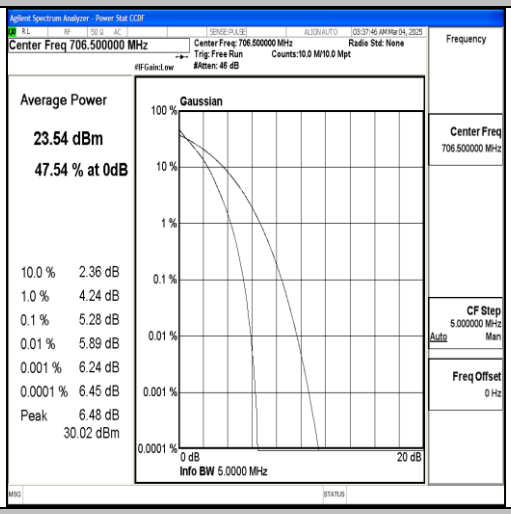
Test Graphs



Band17-5MHz-QPSK-23755-1RB#0-PASS



Band17-5MHz-16QAM-23755-1RB#0-PASS



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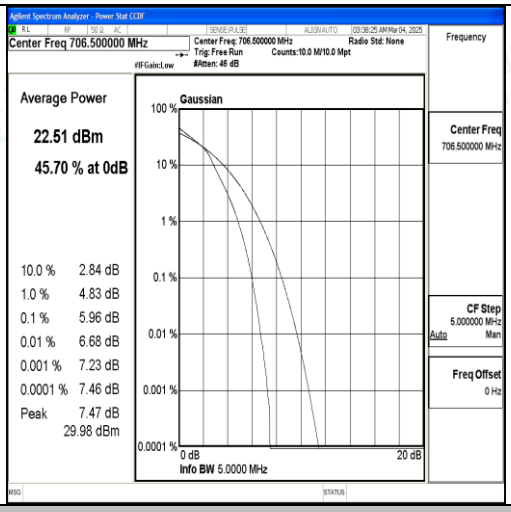
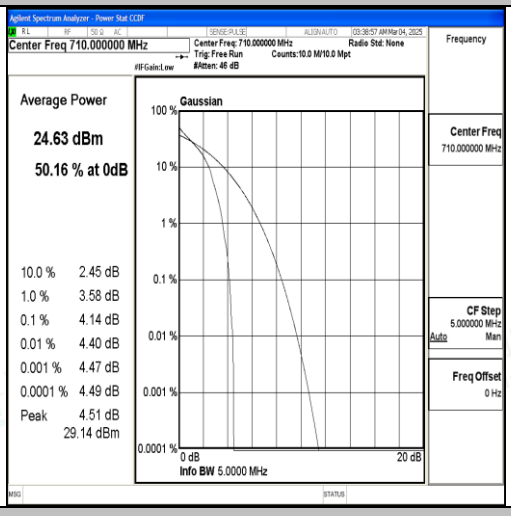
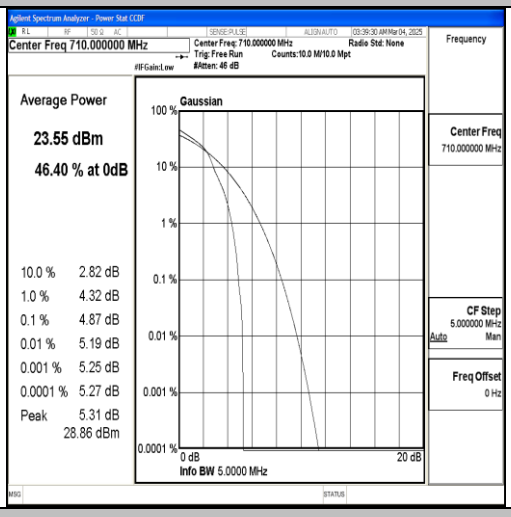


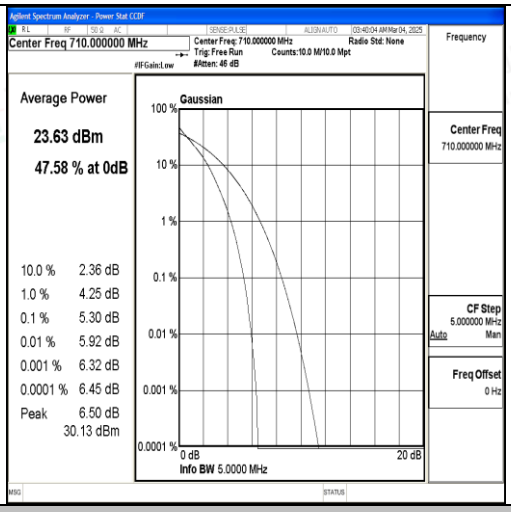
Band17-5MHz-16QAM-23755-25RB#0-PASS



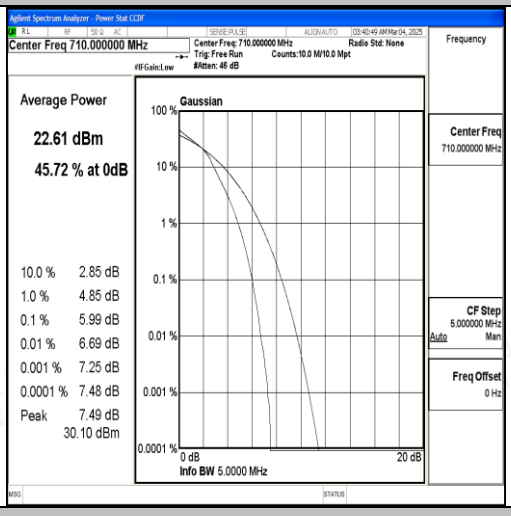
Band17-5MHz-QPSK-23790-1RB#0-PASS



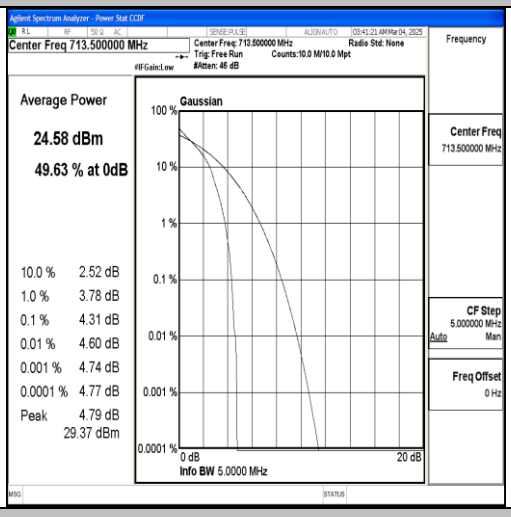
Band17-5MHz-16QAM-23790-1RB#0-PASS



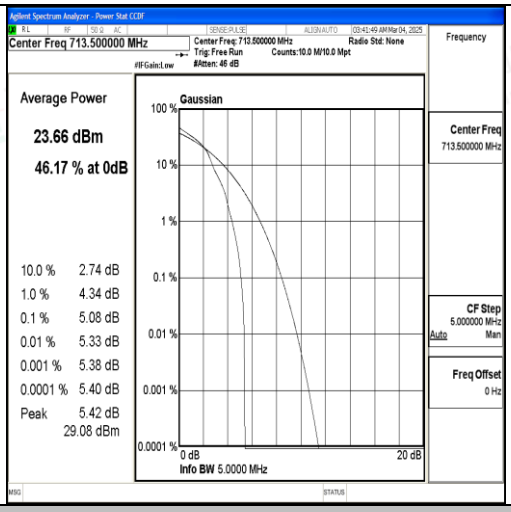
Band17-5MHz-QPSK-23790-25RB#0-PASS



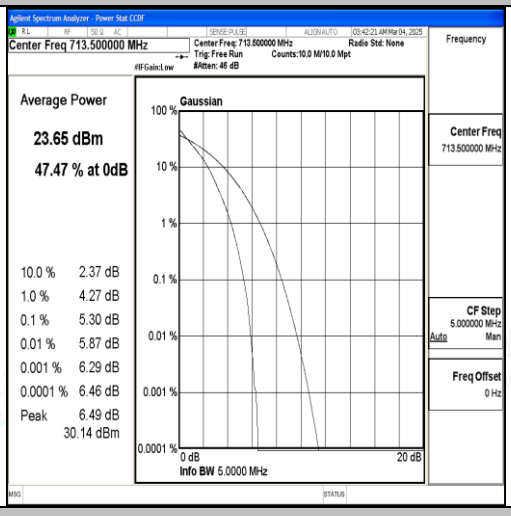
Band17-5MHz-16QAM-23790-25RB#0-PASS



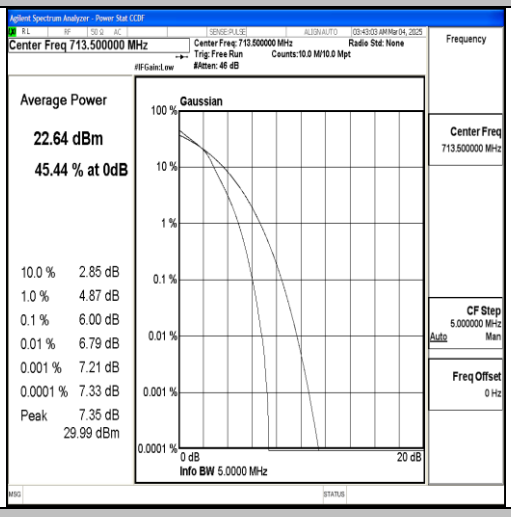
Band17-5MHz-QPSK-23825-1RB#0-PASS



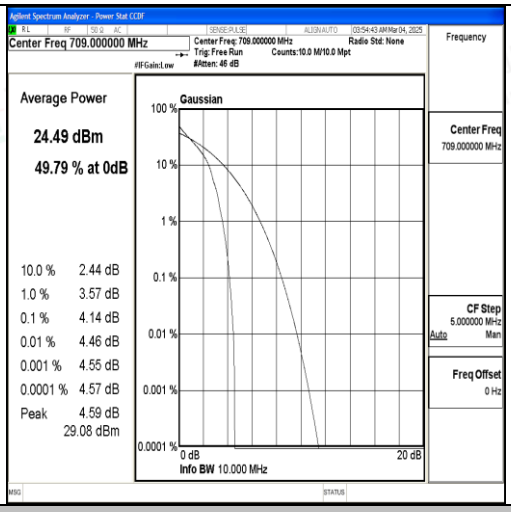
Band17-5MHz-16QAM-23825-1RB#0-PASS



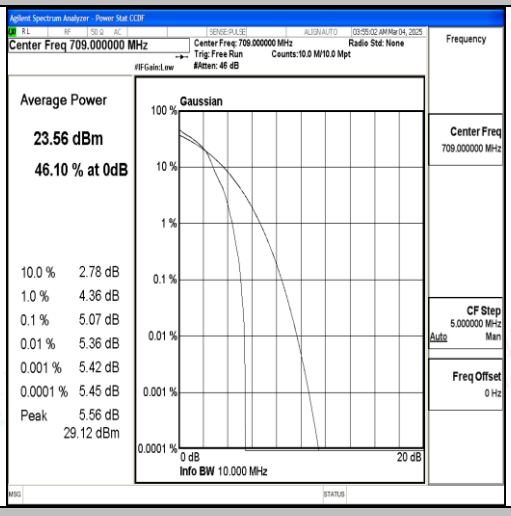
Band17-5MHz-QPSK-23825-25RB#0-PASS



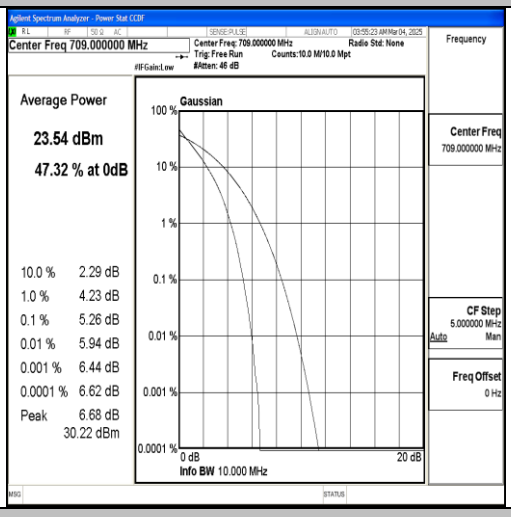
Band17-5MHz-16QAM-23825-25RB#0-PASS



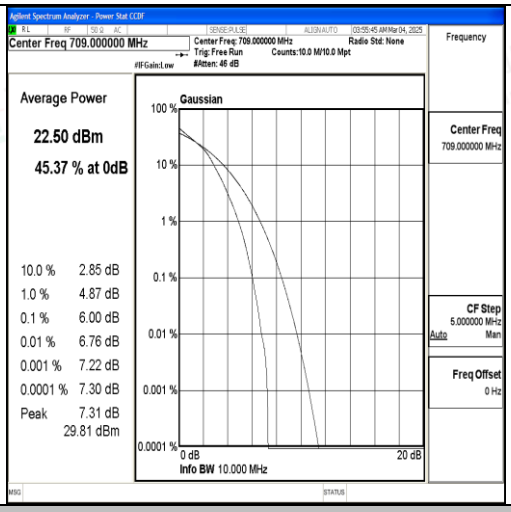
Band17-10MHz-QPSK-23780-1RB#0-PASS



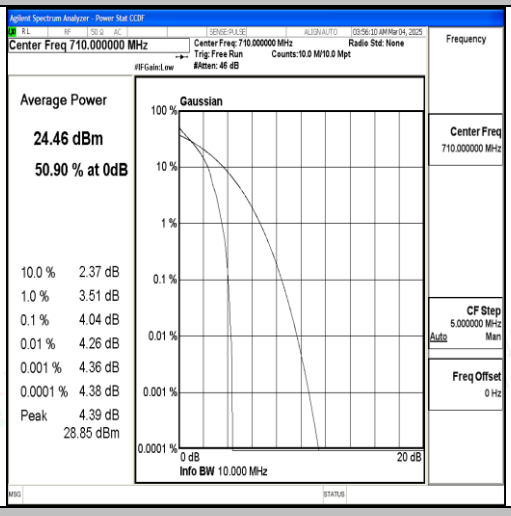
Band17-10MHz-16QAM-23780-1RB#0-PASS



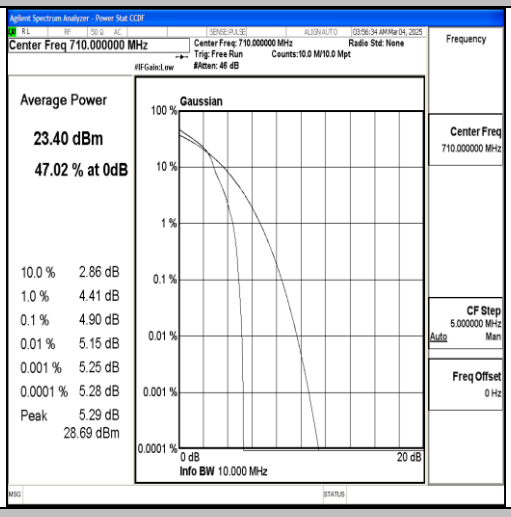
Band17-10MHz-QPSK-23780-50RB#0-PASS



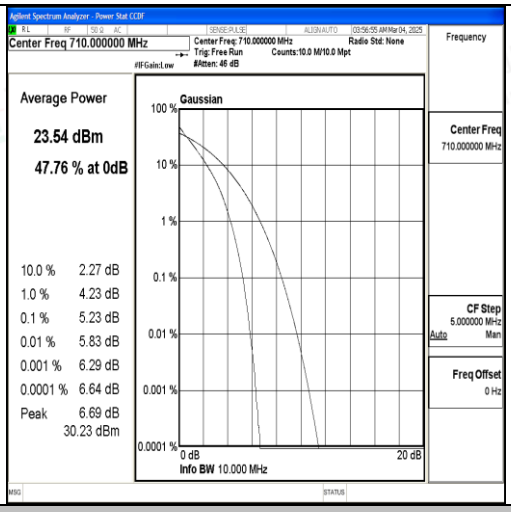
Band17-10MHz-16QAM-23780-50RB#0-PASS



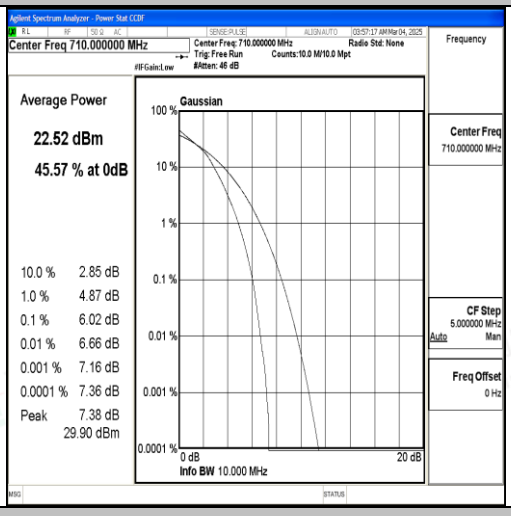
Band17-10MHz-QPSK-23790-1RB#0-PASS



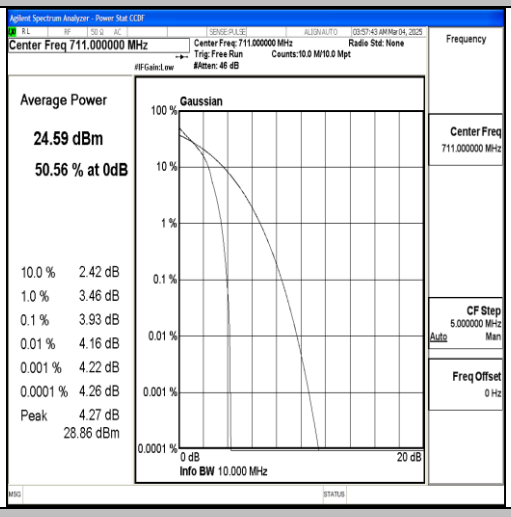
Band17-10MHz-16QAM-23790-1RB#0-PASS



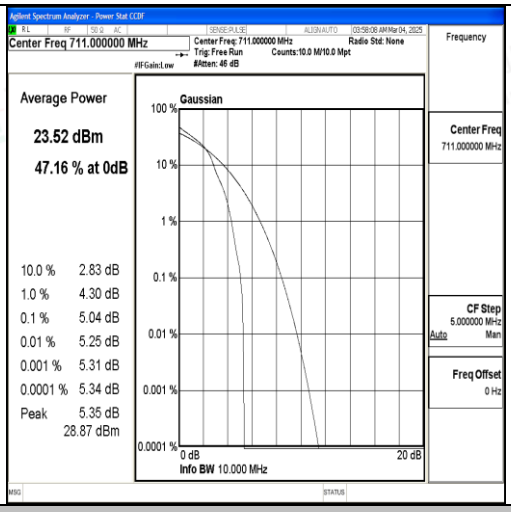
Band17-10MHz-QPSK-23790-50RB#0-PASS



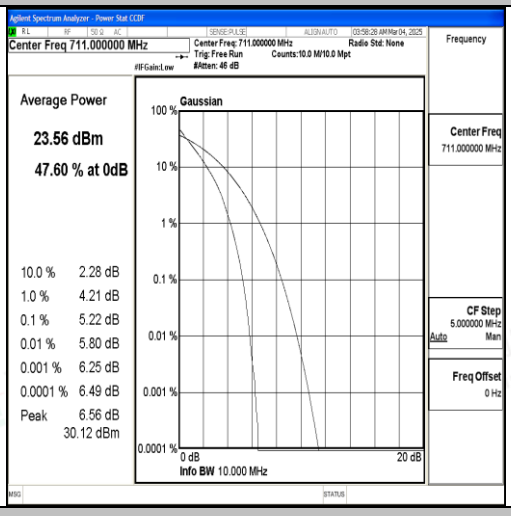
Band17-10MHz-16QAM-23790-50RB#0-PASS



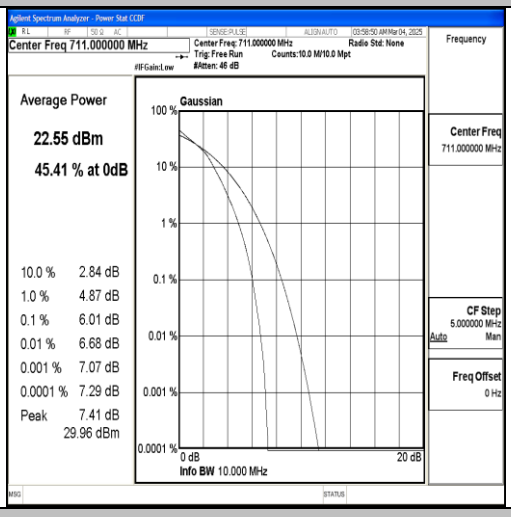
Band17-10MHz-QPSK-23800-1RB#0-PASS



Band17-10MHz-16QAM-23800-1RB#0-PASS



Band17-10MHz-QPSK-23800-50RB#0-PASS



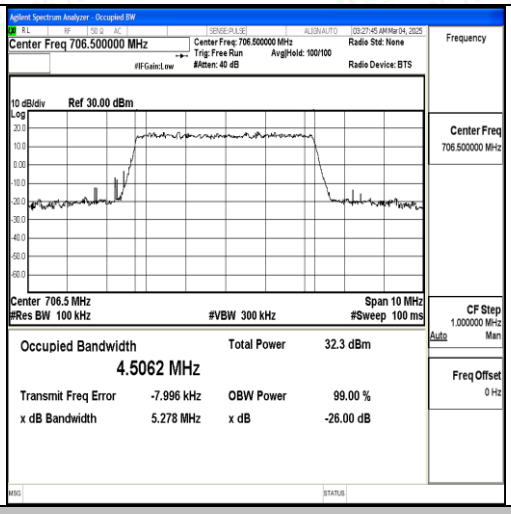
Band17-10MHz-16QAM-23800-50RB#0-PASS

N.3 26dB Bandwidth and Occupied Bandwidth

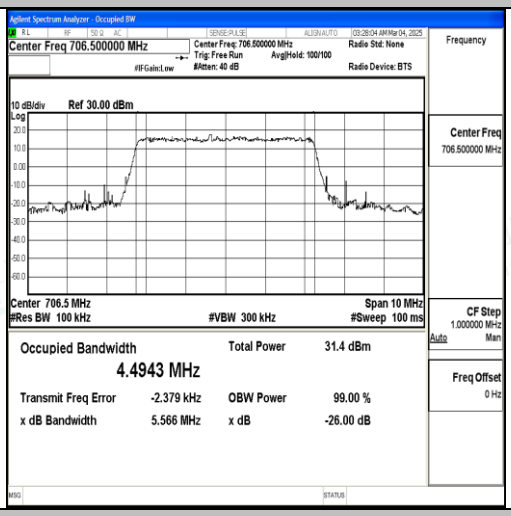
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5062	5.278	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4943	5.566	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5054	4.959	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4921	4.932	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4995	5.039	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5084	5.370	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9741	9.855	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9716	9.787	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9846	9.864	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9735	9.830	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9662	10.02	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9728	9.738	PASS

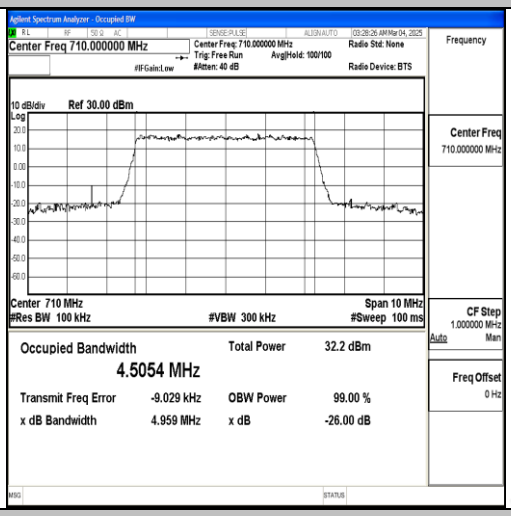
Test Graphs



Band17-5MHz-QPSK-23755-25RB#0-PASS



Band17-5MHz-16QAM-23755-25RB#0-PASS



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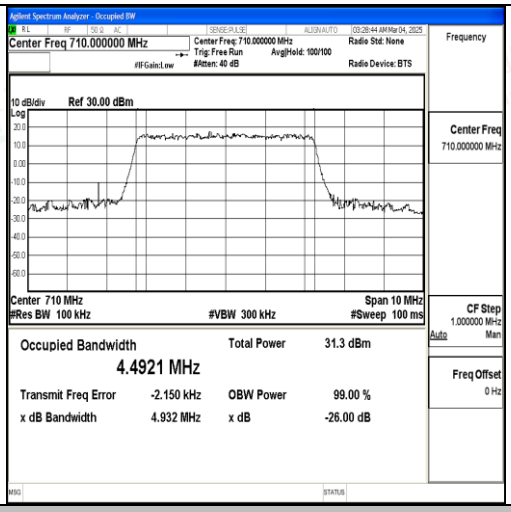

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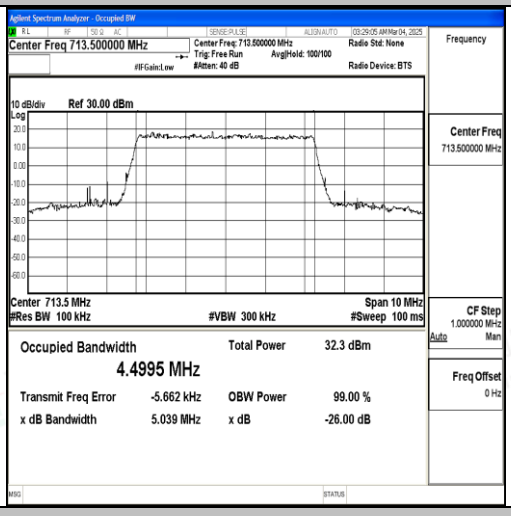
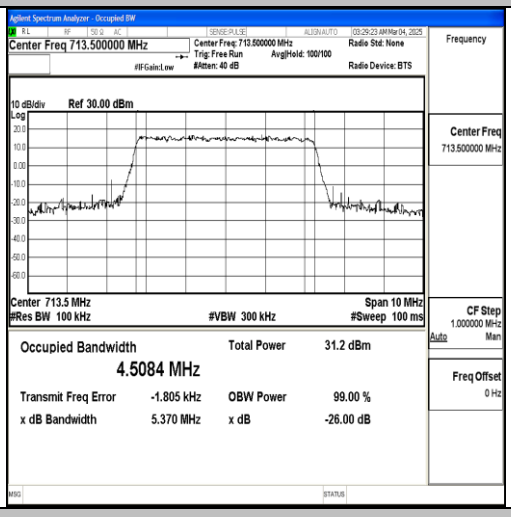


Band17-5MHz-QPSK-23825-25RB#0-PASS



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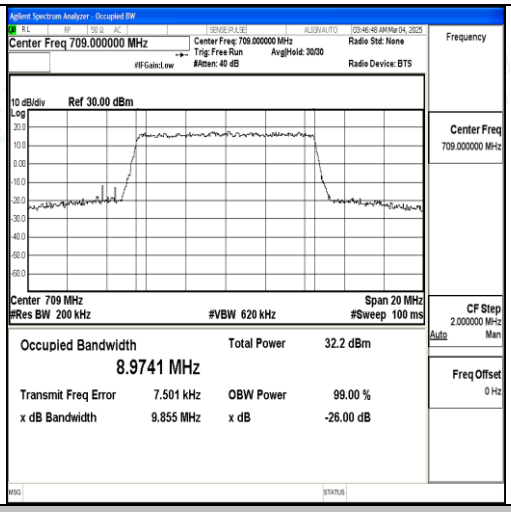
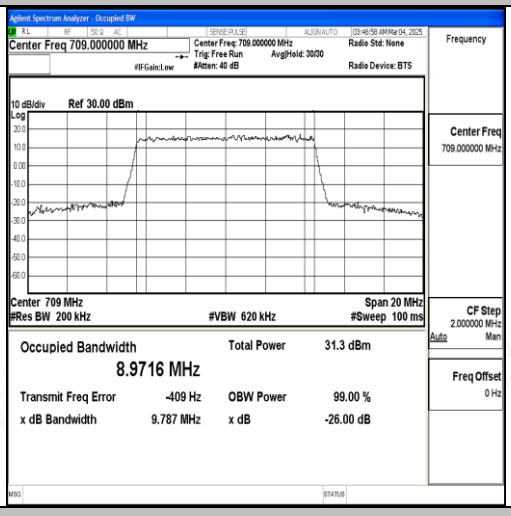
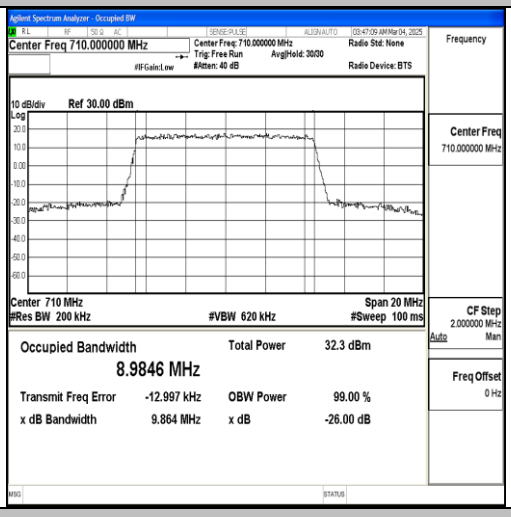


Band17-10MHz-QPSK-23780-50RB#0-PASS



Band17-10MHz-16QAM-23780-50RB#0-PASS



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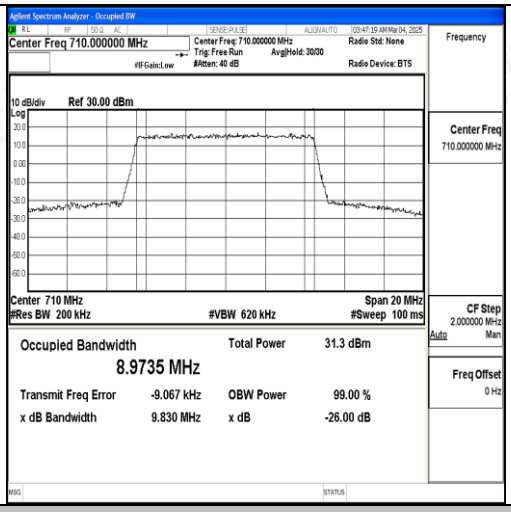
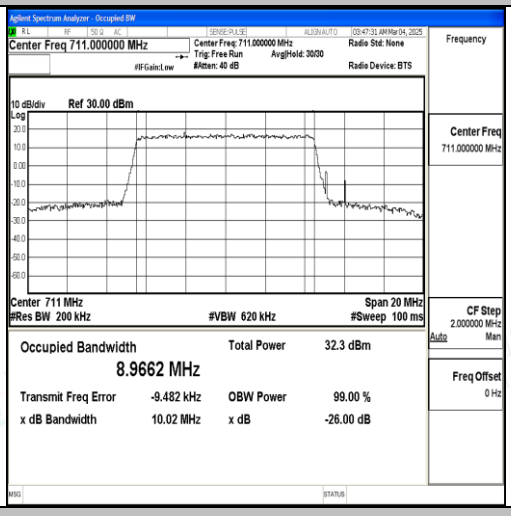
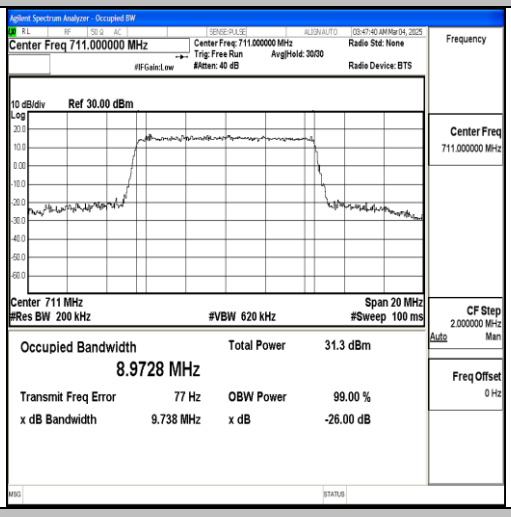


Band17-10MHz-16QAM-23790-50RB#0-PASS



Band17-10MHz-QPSK-23800-50RB#0-PASS



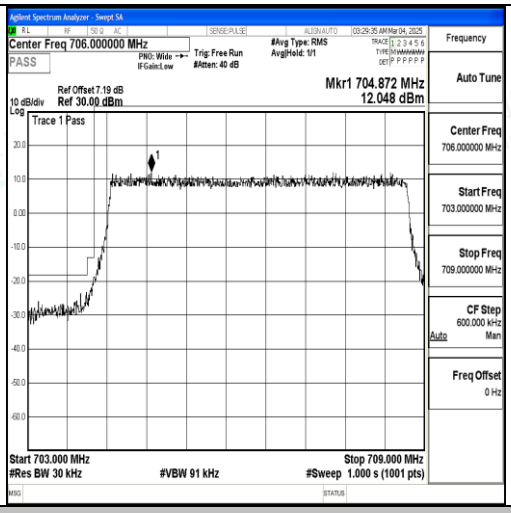
Band17-10MHz-16QAM-23800-50RB#0-PASS

N.4 Band Edge

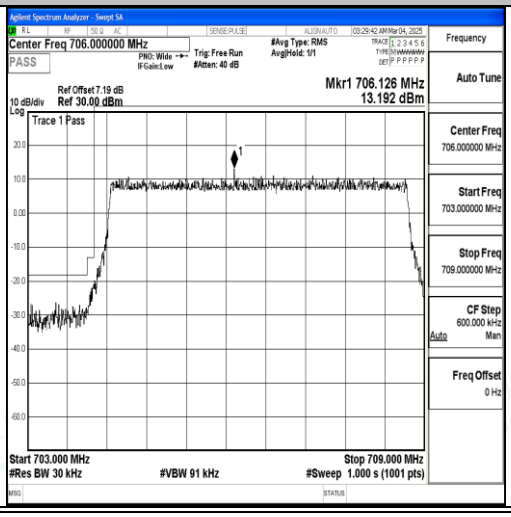
Test Result

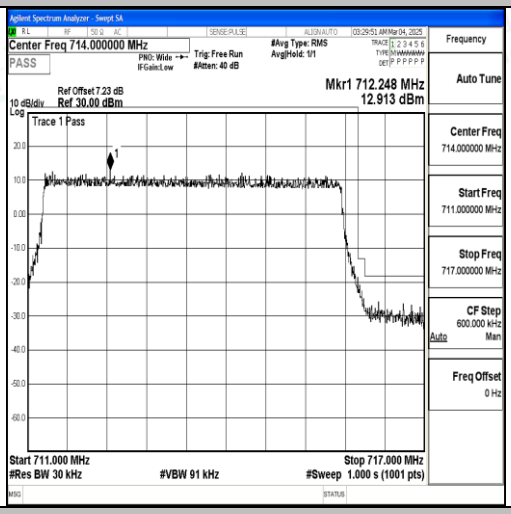
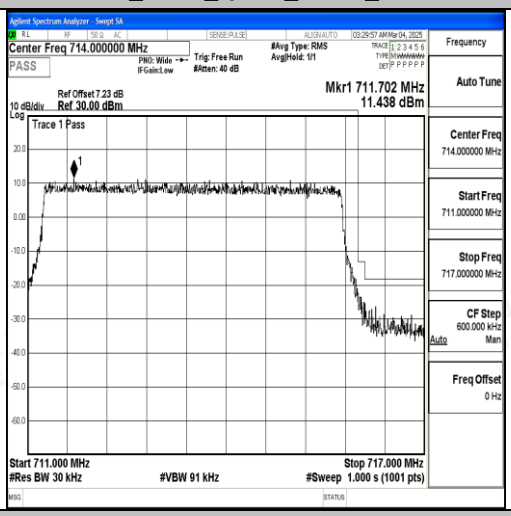
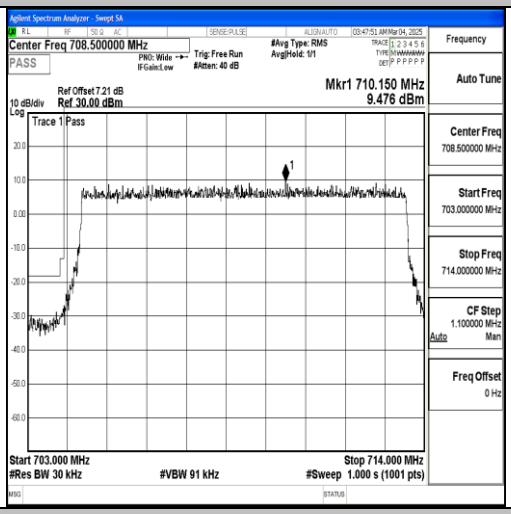
Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	703.89	-23.37	PASS
Band17	5MHz	16QAM	23755	25RB#0	703.43	-26.32	PASS
Band17	5MHz	QPSK	23825	25RB#0	716.30	-25.82	PASS
Band17	5MHz	16QAM	23825	25RB#0	716.10	-25.49	PASS
Band17	10MHz	QPSK	23780	50RB#0	703.80	-28.80	PASS
Band17	10MHz	16QAM	23780	50RB#0	703.55	-31.23	PASS
Band17	10MHz	QPSK	23800	50RB#0	716.16	-30.18	PASS
Band17	10MHz	16QAM	23800	50RB#0	716.57	-33.51	PASS

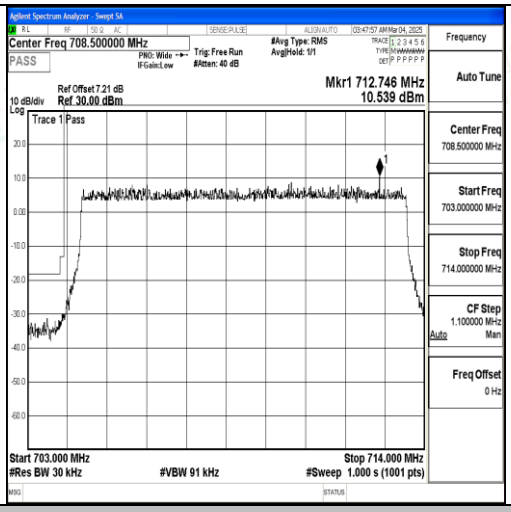
Test Graphs



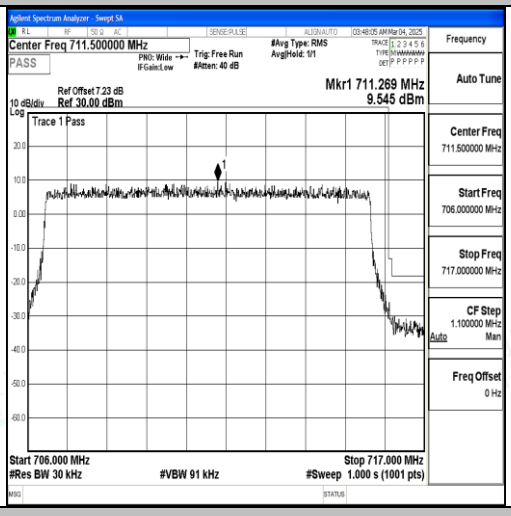
Band17_5MHz_QPSK_23755_25RB#0



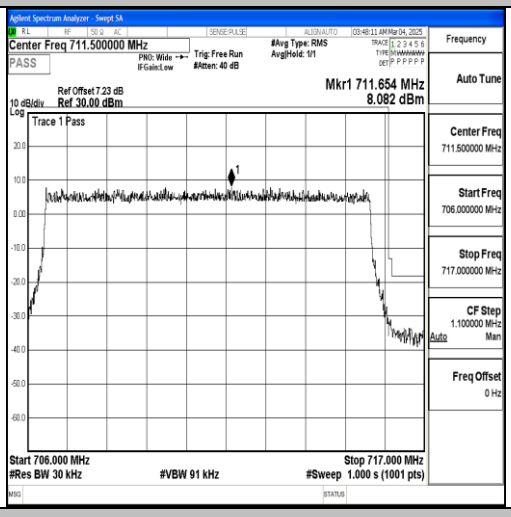
Band17_5MHz_16QAM_23755_25RB#0

Band17_5MHz_QPSK_23825_25RB#0

Band17_5MHz_16QAM_23825_25RB#0

Band17_10MHz_QPSK_23780_50RB#0



Band17_10MHz_16QAM_23780_50RB#0



Band17_10MHz_QPSK_23800_50RB#0



Band17_10MHz_16QAM_23800_50RB#0

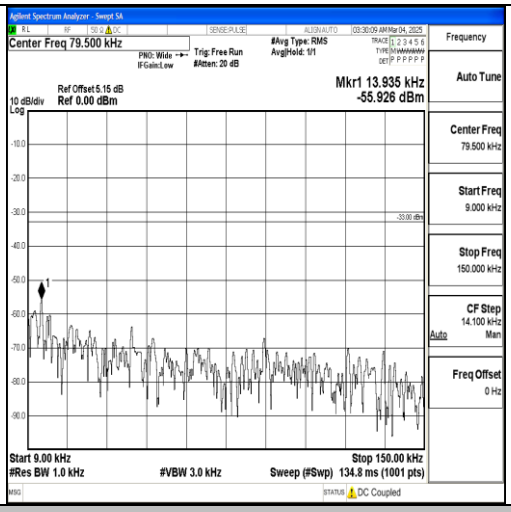
N.5 Conducted Spurious Emission

Test Result

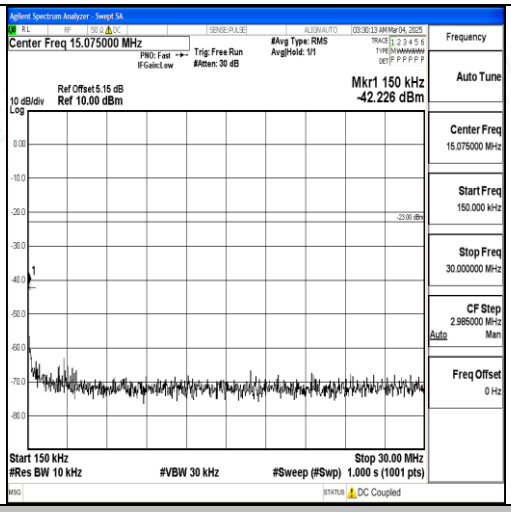
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	0.009~0.15	-55.93	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	-42.23	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	-51.78	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	-36.66	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	-35.34	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	-53.40	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	-43.56	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	-52.08	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	-36.73	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	-35.61	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	-61.86	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	-46.96	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	-52.41	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	-35.63	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	-35.74	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	-57.06	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.15~30	-46.24	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	-53.27	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	-36.08	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	-34.76	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	-59.79	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	-48.16	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	-52.73	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	-34.67	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	-35.49	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	-56.86	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	-43.74	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	-52.37	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	-35.48	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	-35.62	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	-56.45	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	-45.86	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	-52.45	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~3000	-35.83	PASS
Band17	10MHz	QPSK	23780	1RB#0	3000~10000	-35.33	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.009~0.15	-56.96	PASS

Band17	10MHz	16QAM	23780	1RB#0	0.15~30	-45.66	PASS
Band17	10MHz	16QAM	23780	1RB#0	30~1000	-52.89	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~3000	-37.50	PASS
Band17	10MHz	16QAM	23780	1RB#0	3000~10000	-35.46	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.009~0.15	-59.06	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.15~30	-45.81	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000	-53.04	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~3000	-35.64	PASS
Band17	10MHz	QPSK	23790	1RB#0	3000~10000	-35.47	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.009~0.15	-58.05	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.15~30	-47.46	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000	-52.42	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~3000	-35.94	PASS
Band17	10MHz	16QAM	23790	1RB#0	3000~10000	-34.50	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.009~0.15	-52.57	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.15~30	-46.87	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000	-52.86	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~3000	-36.08	PASS
Band17	10MHz	QPSK	23800	1RB#0	3000~10000	-35.28	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.009~0.15	-57.06	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.15~30	-47.25	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000	-52.30	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~3000	-36.81	PASS
Band17	10MHz	16QAM	23800	1RB#0	3000~10000	-35.04	PASS

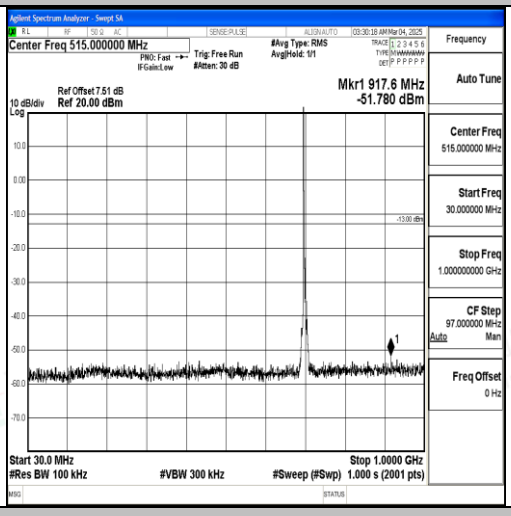
Test Graphs



Band17_5MHz_QPSK_23755_1RB#0_0.009~0.15_0.009~0.15



Band17_5MHz_QPSK_23755_1RB#0_0.15~30_0.15~30



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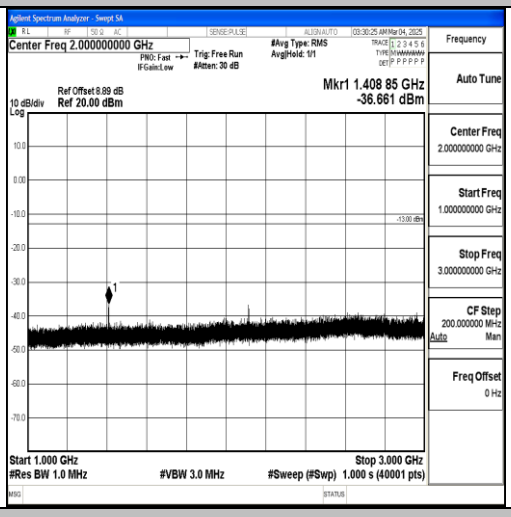
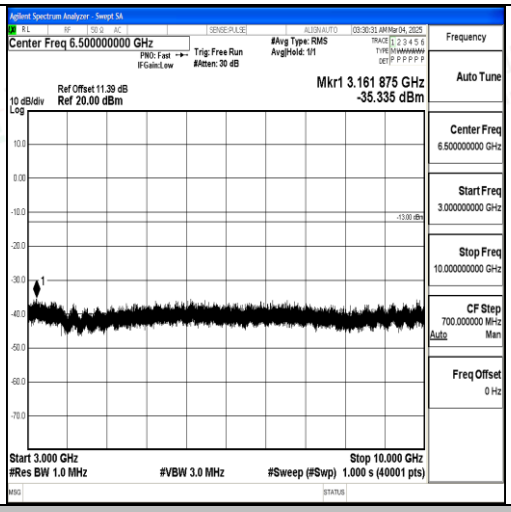


Band17_5MHz_QPSK_23755_1RB#0_1000~3000_1000~3000



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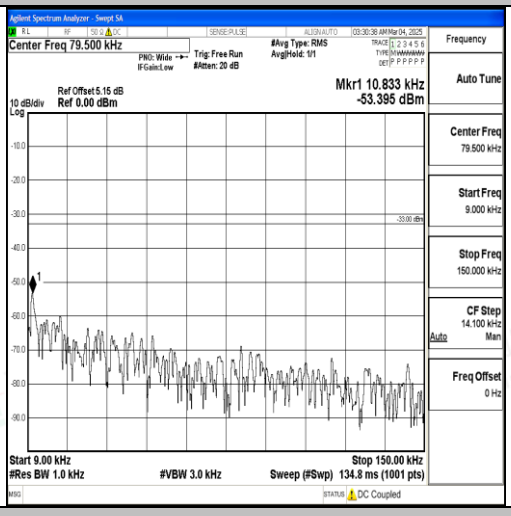
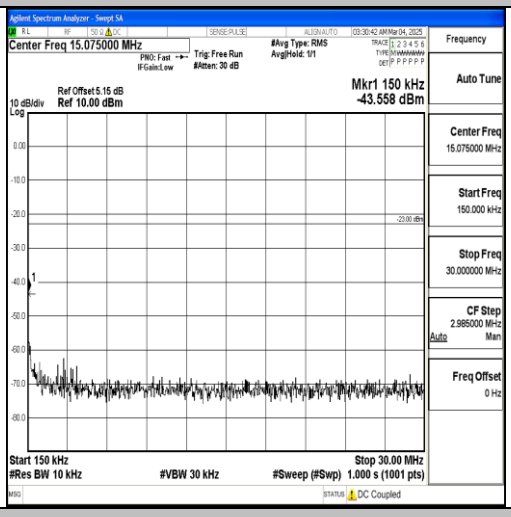
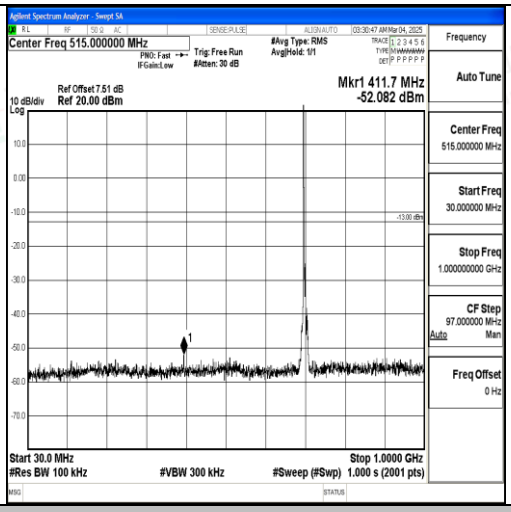


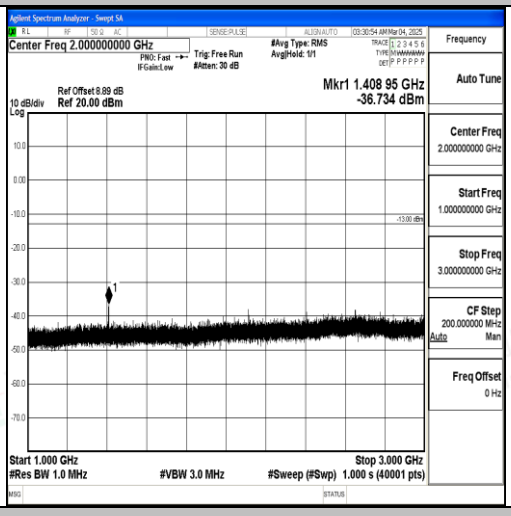
Band17_5MHz_16QAM_23755_1RB#0_0.009~0.15_0.009~0.15



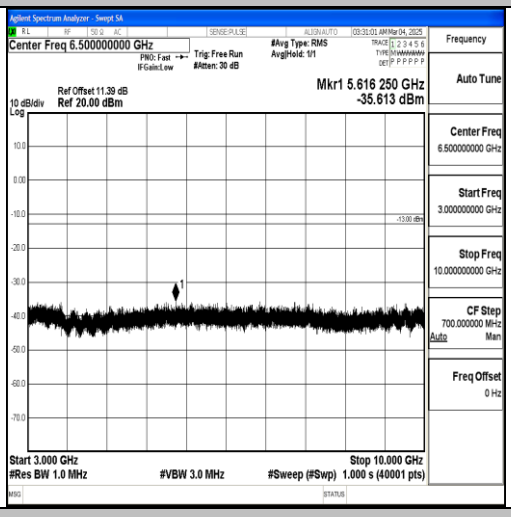
Band17_5MHz_16QAM_23755_1RB#0_0.15~30_0.15~30



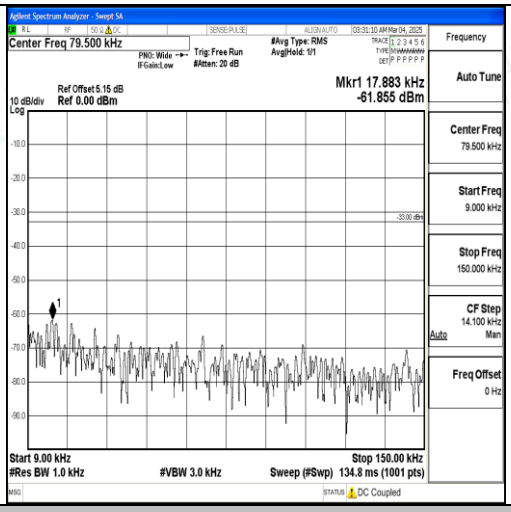
Band17_5MHz_16QAM_23755_1RB#0_30~1000_30~1000



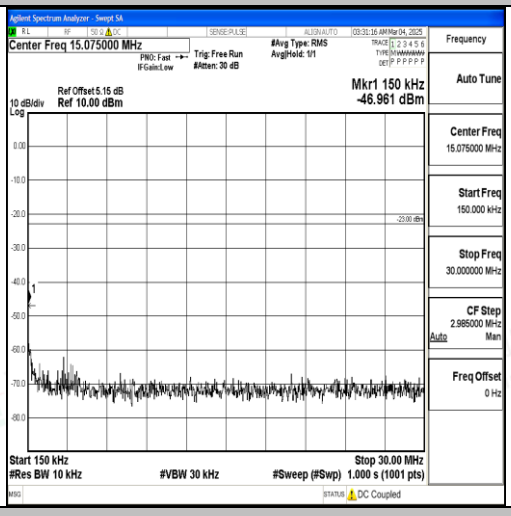
Band17_5MHz_16QAM_23755_1RB#0_1000~3000_1000~3000



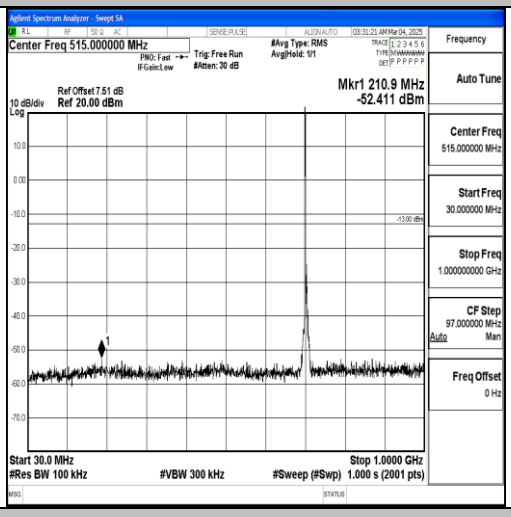
Band17_5MHz_16QAM_23755_1RB#0_3000~10000_3000~10000



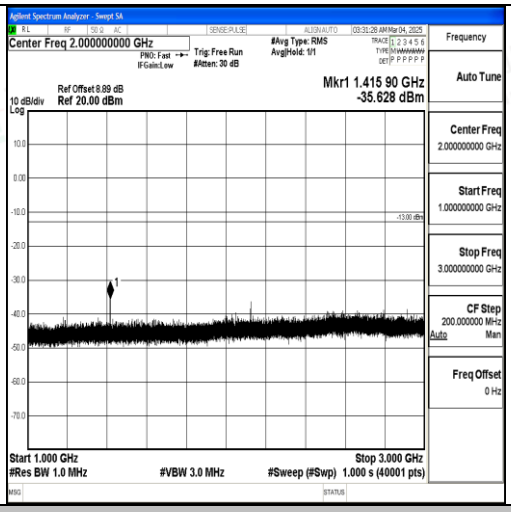
Band17_5MHz_QPSK_23790_1RB#0_0.009~0.15_0.009~0.15



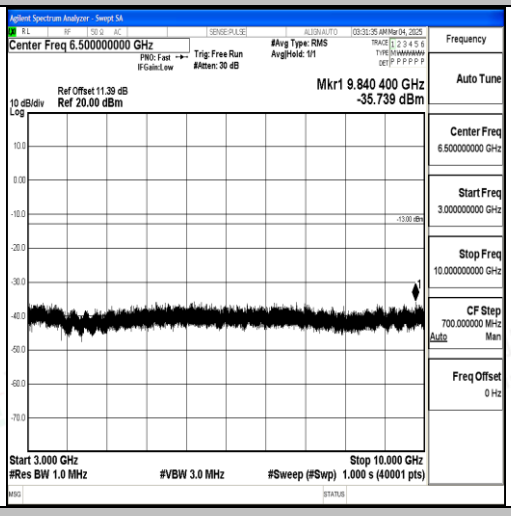
Band17_5MHz_QPSK_23790_1RB#0_0.15~30_0.15~30



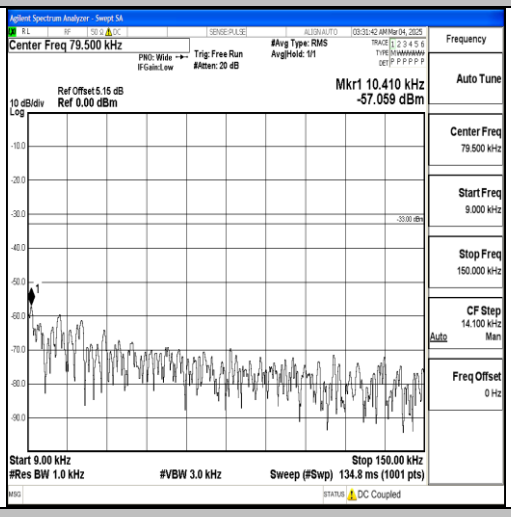
Band17_5MHz_QPSK_23790_1RB#0_30~1000_30~1000



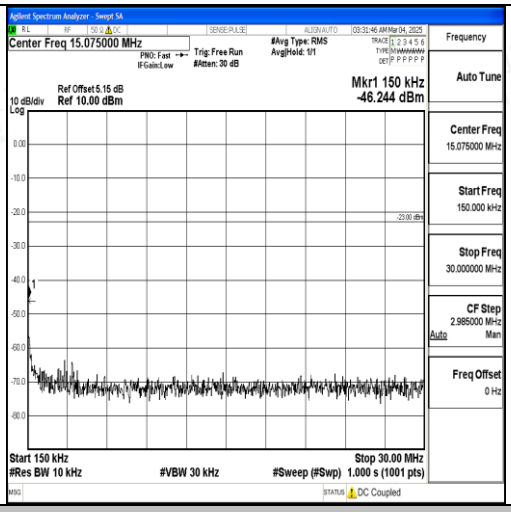
Band17_5MHz_QPSK_23790_1RB#0_1000~3000_1000~3000



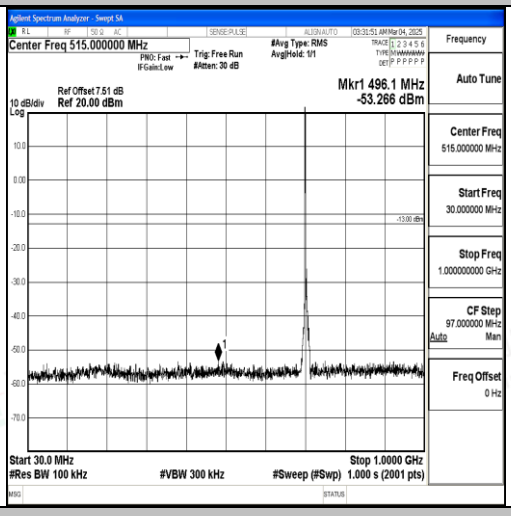
Band17_5MHz_QPSK_23790_1RB#0_3000~10000_3000~10000



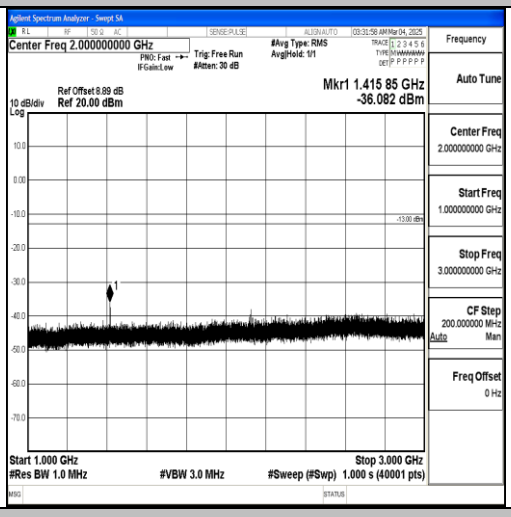
Band17_5MHz_16QAM_23790_1RB#0_0.009~0.15_0.009~0.15



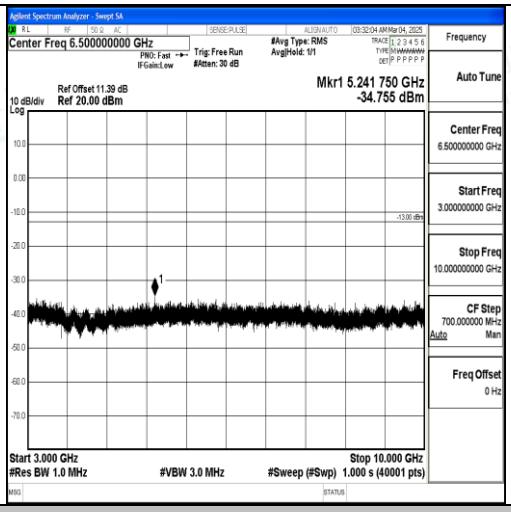
Band17_5MHz_16QAM_23790_1RB#0_0.15~30_0.15~30



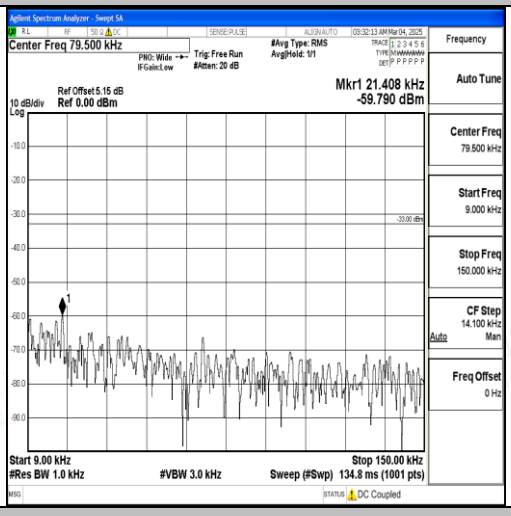
Band17_5MHz_16QAM_23790_1RB#0_30~1000_30~1000



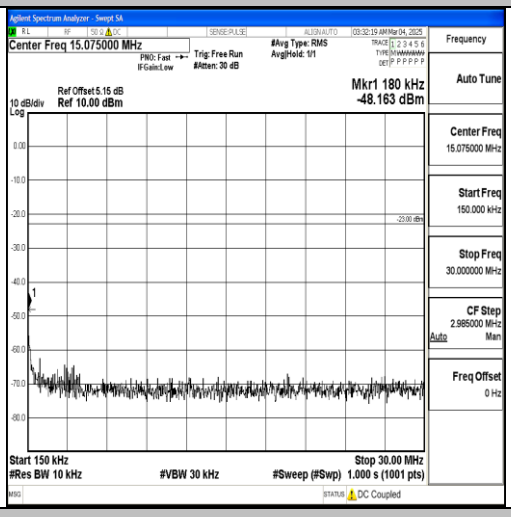
Band17_5MHz_16QAM_23790_1RB#0_1000~3000_1000~3000



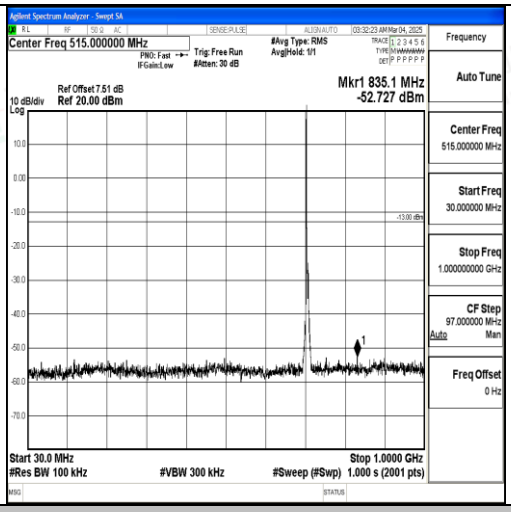
Band17_5MHz_16QAM_23790_1RB#0_3000~10000_3000~10000



Band17_5MHz_QPSK_23825_1RB#0_0.009~0.15_0.009~0.15



Band17_5MHz_QPSK_23825_1RB#0_0.15~30_0.15~30



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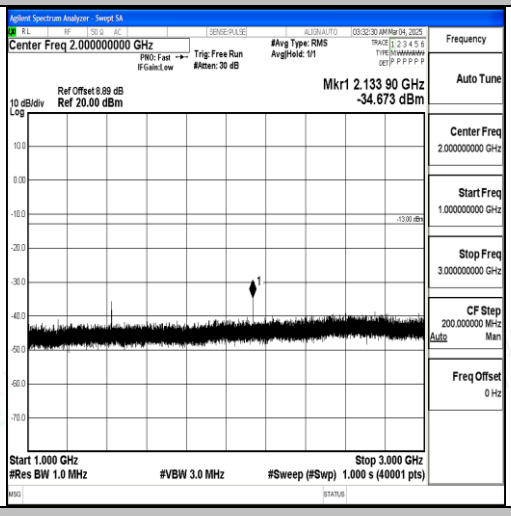

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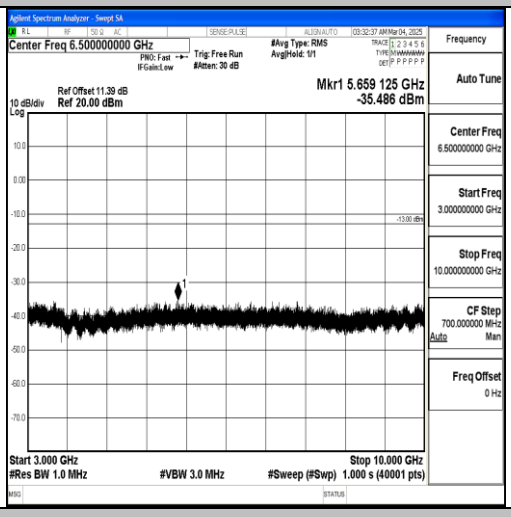

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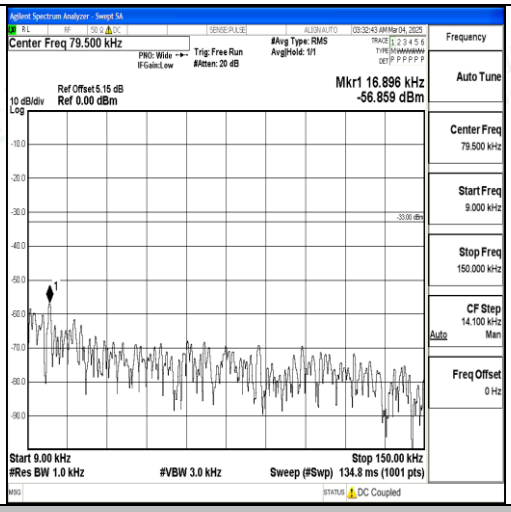
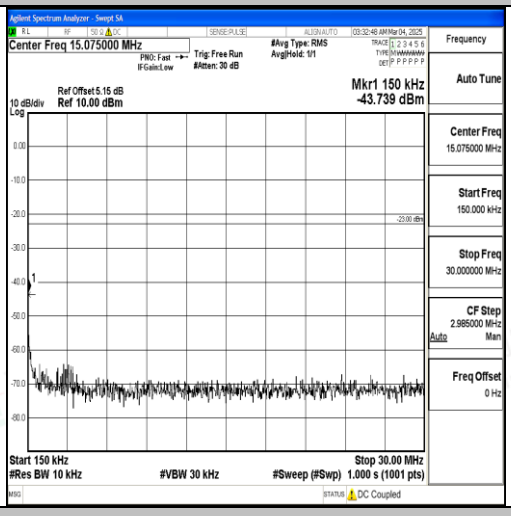
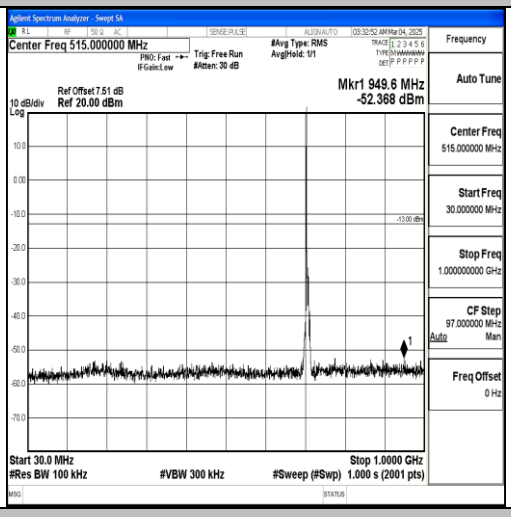


Band17_5MHz_16QAM_23825_1RB#0_0.009~0.15_0.009~0.15



Band17_5MHz_16QAM_23825_1RB#0_0.15~30_0.15~30



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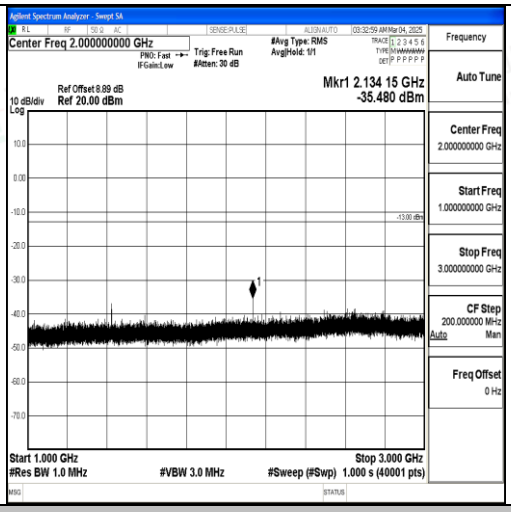

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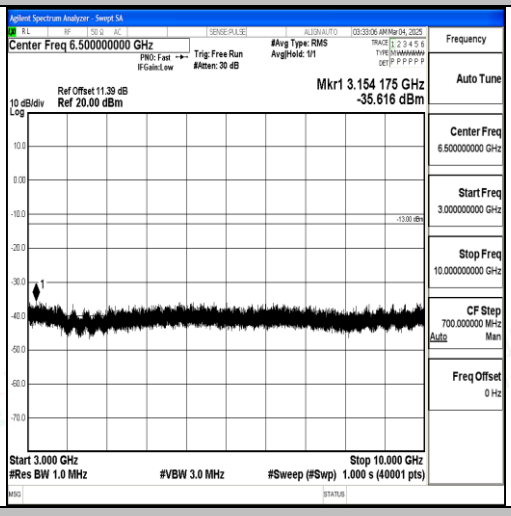

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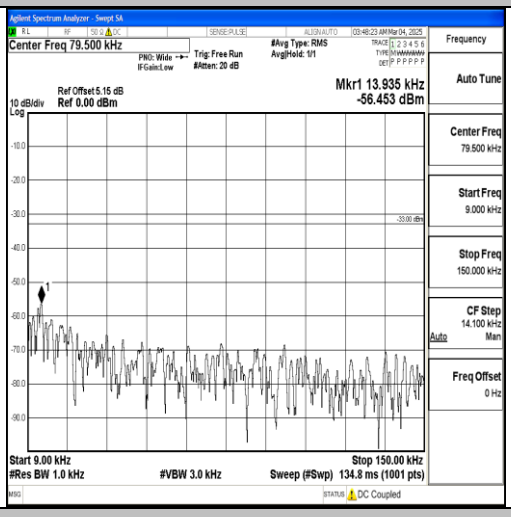
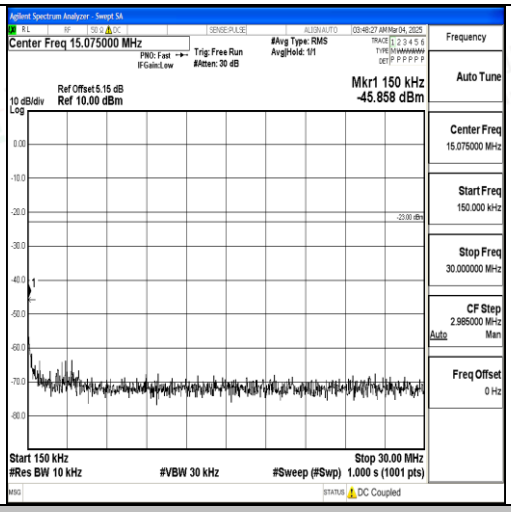
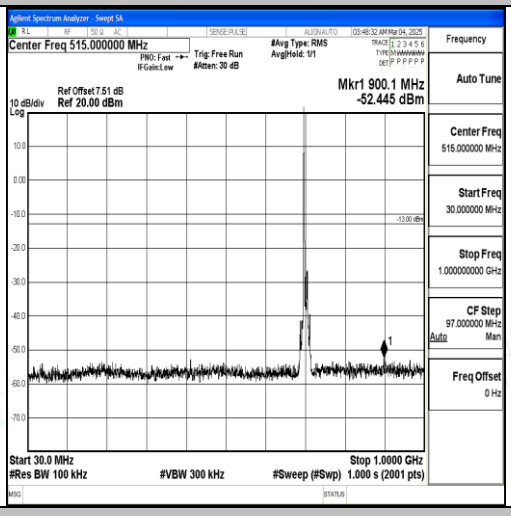


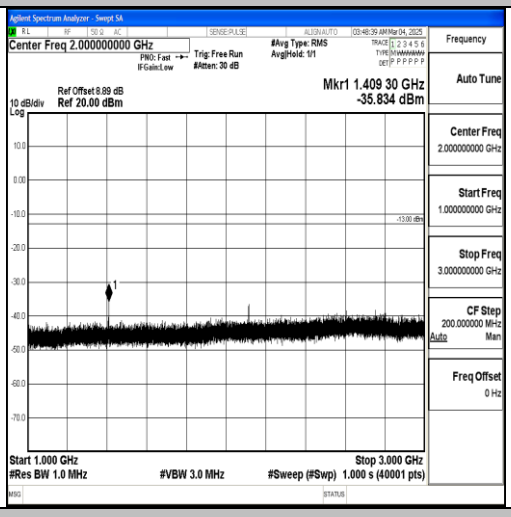
Band17_10MHz_QPSK_23780_1RB#0_0.009~0.15_0.009~0.15



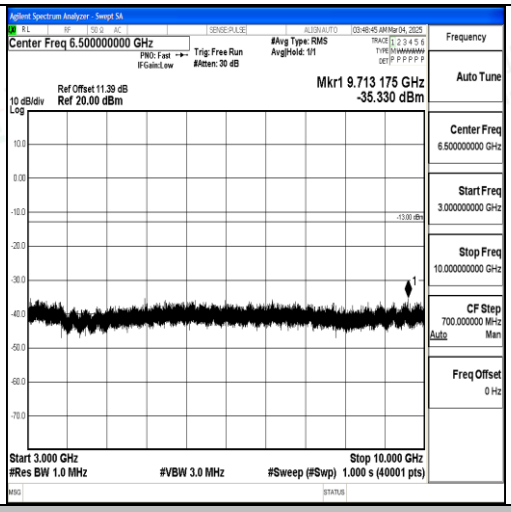
Band17_10MHz_QPSK_23780_1RB#0_0.15~30_0.15~30



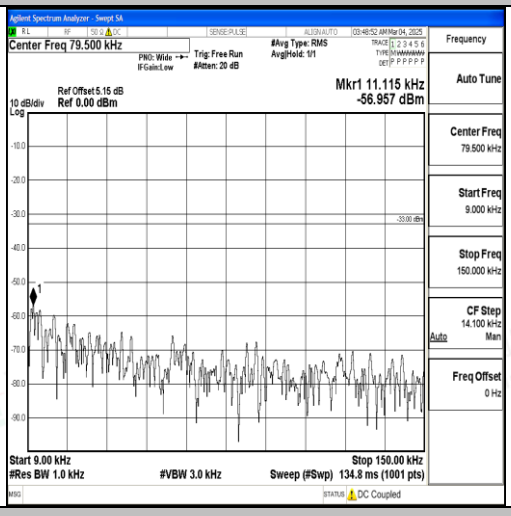
Band17_10MHz_QPSK_23780_1RB#0_30~1000_30~1000



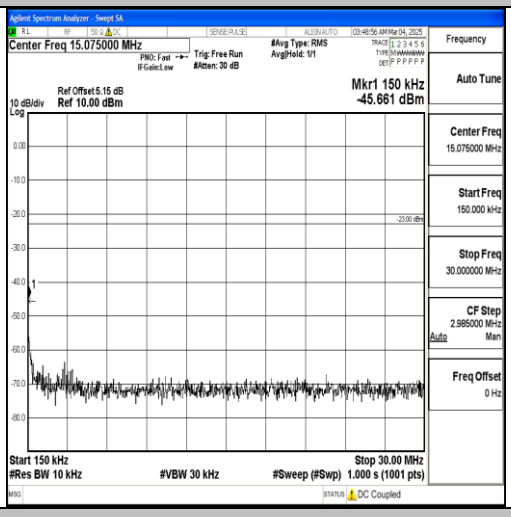
Band17_10MHz_QPSK_23780_1RB#0_1000~3000_1000~3000



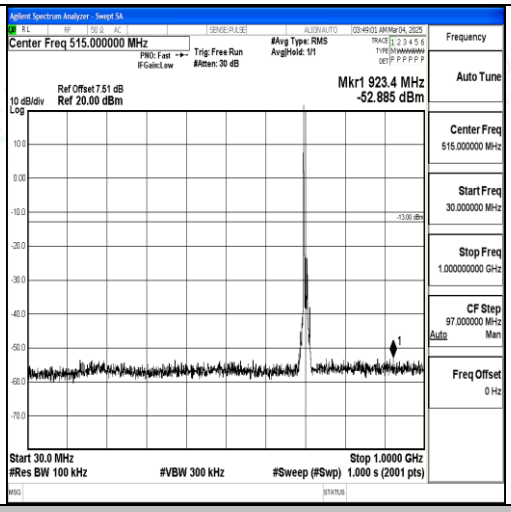
Band17_10MHz_QPSK_23780_1RB#0_3000~10000_3000~10000



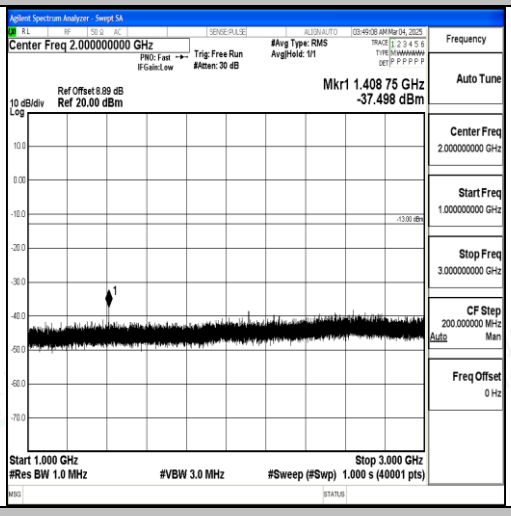
Band17_10MHz_16QAM_23780_1RB#0_0.009~0.15_0.009~0.15



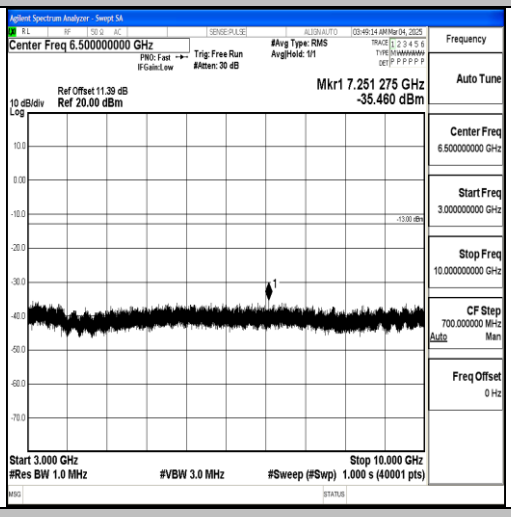
Band17_10MHz_16QAM_23780_1RB#0_0.15~30_0.15~30



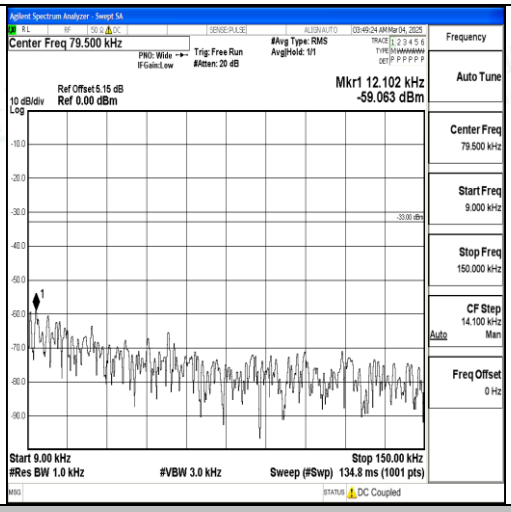
Band17_10MHz_16QAM_23780_1RB#0_30~1000_30~1000



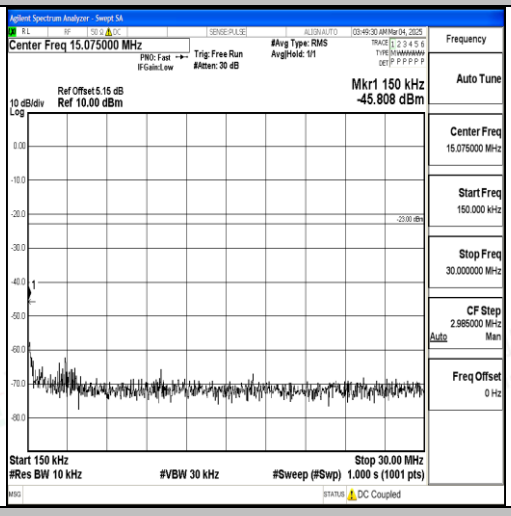
Band17_10MHz_16QAM_23780_1RB#0_1000~3000_1000~3000



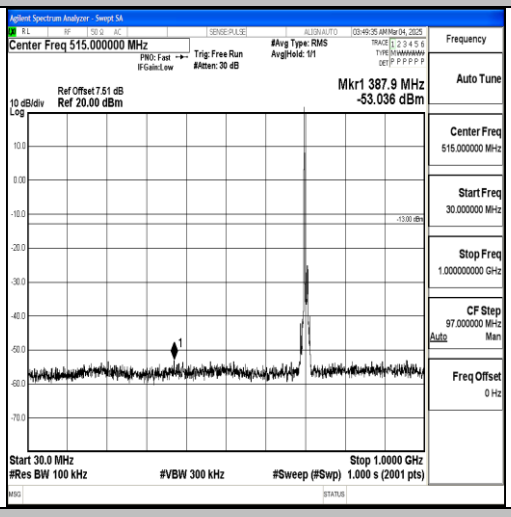
Band17_10MHz_16QAM_23780_1RB#0_3000~10000_3000~10000



Band17_10MHz_QPSK_23790_1RB#0_0.009~0.15_0.009~0.15



Band17_10MHz_QPSK_23790_1RB#0_0.15~30_0.15~30



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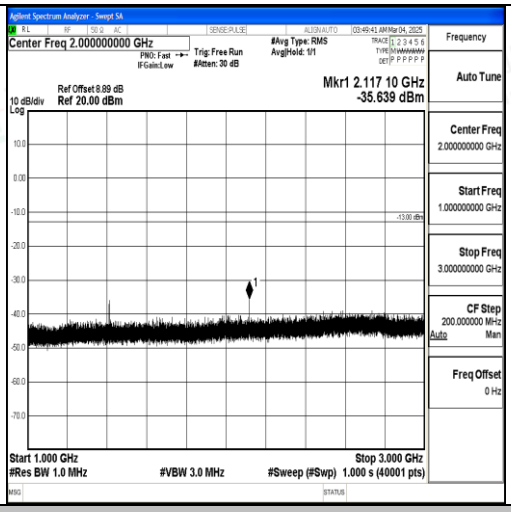
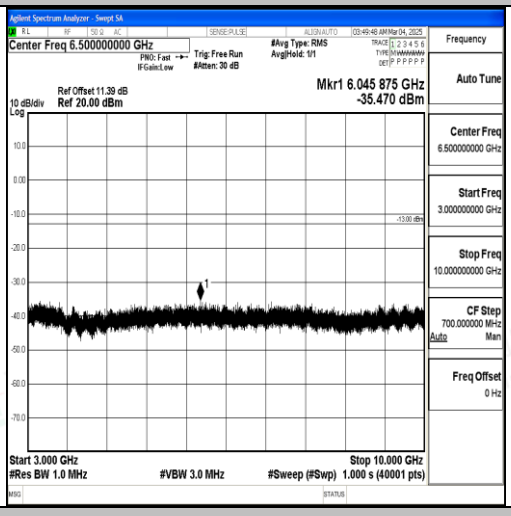
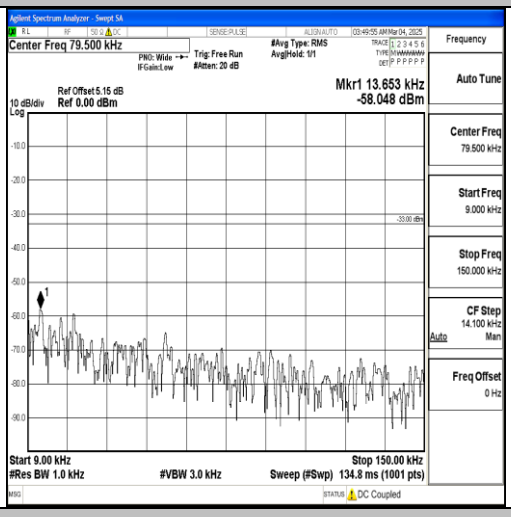


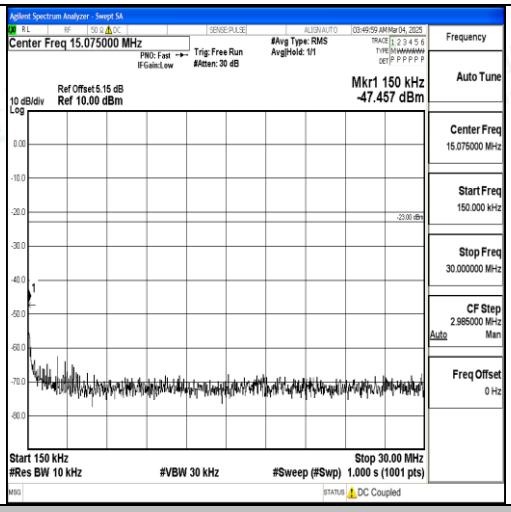
Band17_10MHz_QPSK_23790_1RB#0_1000~3000_1000~3000



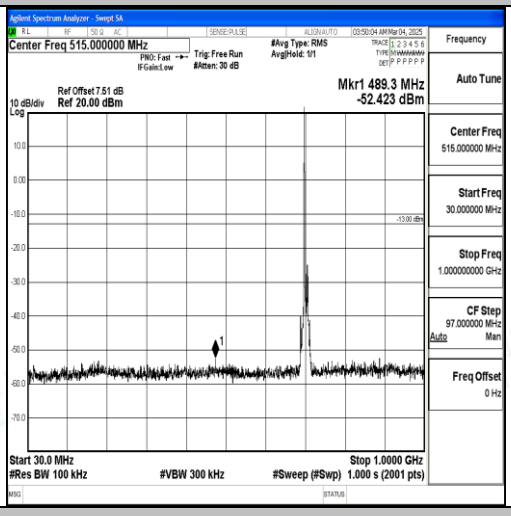
Band17_10MHz_QPSK_23790_1RB#0_3000~10000_3000~10000



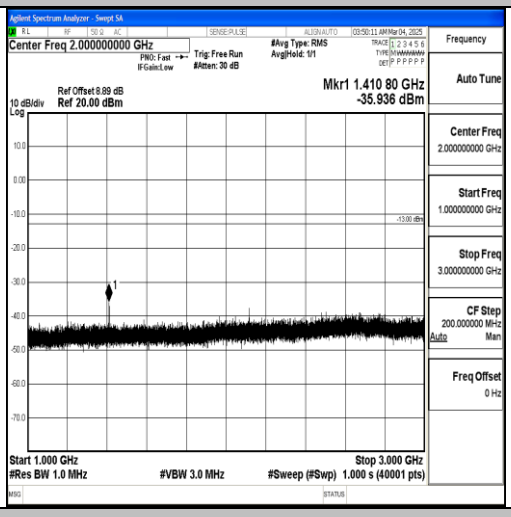
Band17_10MHz_16QAM_23790_1RB#0_0.009~0.15_0.009~0.15



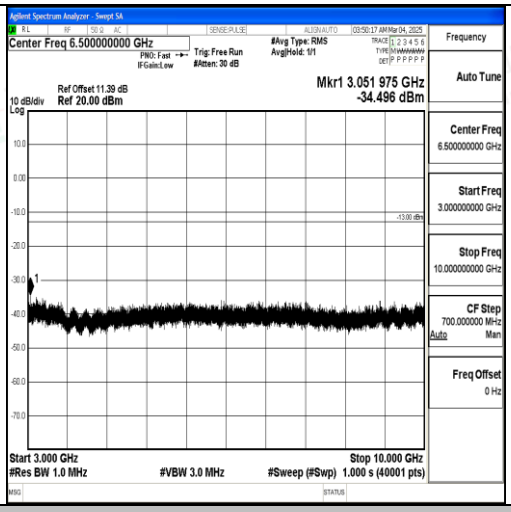
Band17_10MHz_16QAM_23790_1RB#0_0.15~30_0.15~30



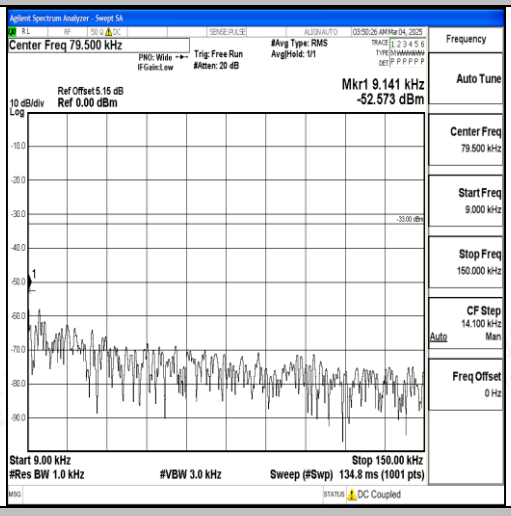
Band17_10MHz_16QAM_23790_1RB#0_30~1000_30~1000



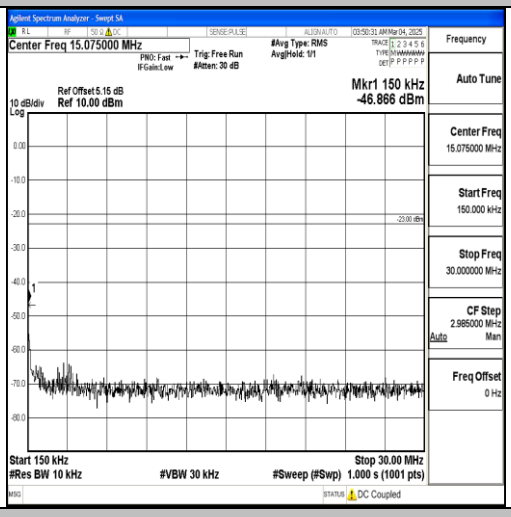
Band17_10MHz_16QAM_23790_1RB#0_1000~3000_1000~3000



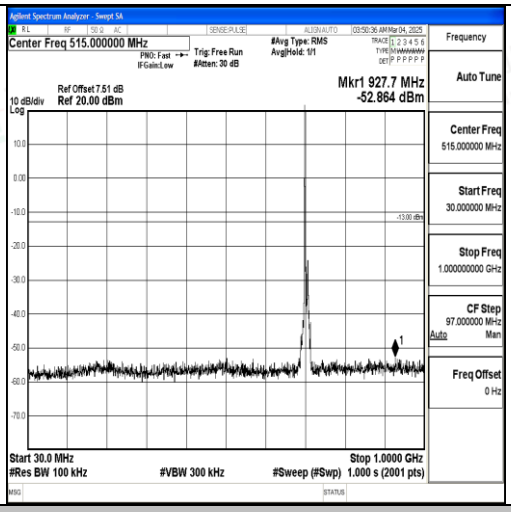
Band17_10MHz_16QAM_23790_1RB#0_3000~10000_3000~10000



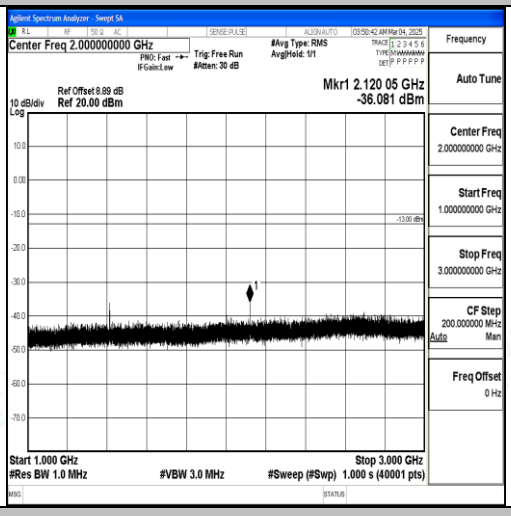
Band17_10MHz_QPSK_23800_1RB#0_0.009~0.15_0.009~0.15



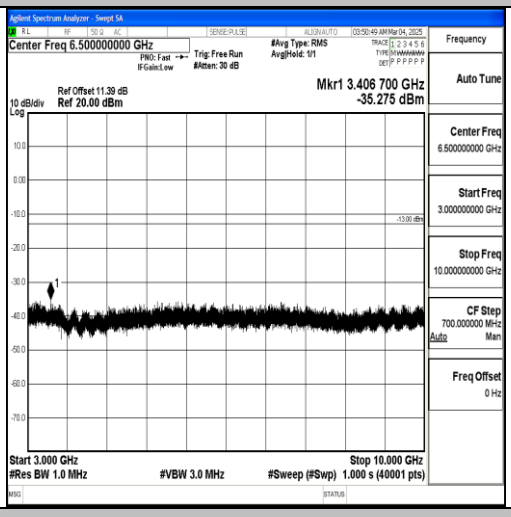
Band17_10MHz_QPSK_23800_1RB#0_0.15~30_0.15~30



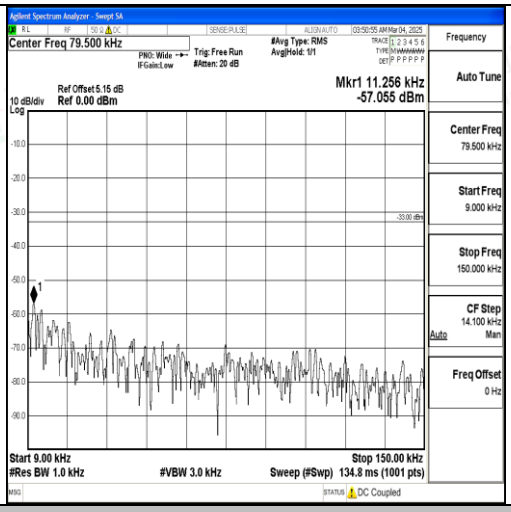
Band17_10MHz_QPSK_23800_1RB#0_30~1000_30~1000



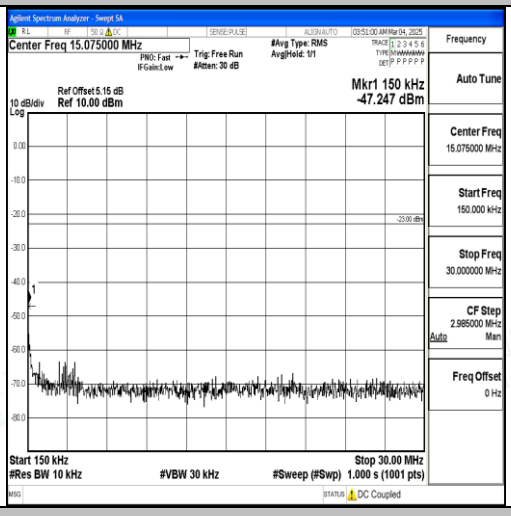
Band17_10MHz_QPSK_23800_1RB#0_1000~3000_1000~3000



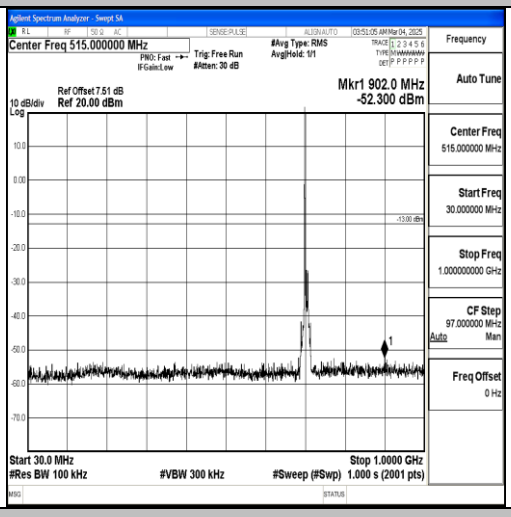
Band17_10MHz_QPSK_23800_1RB#0_3000~10000_3000~10000



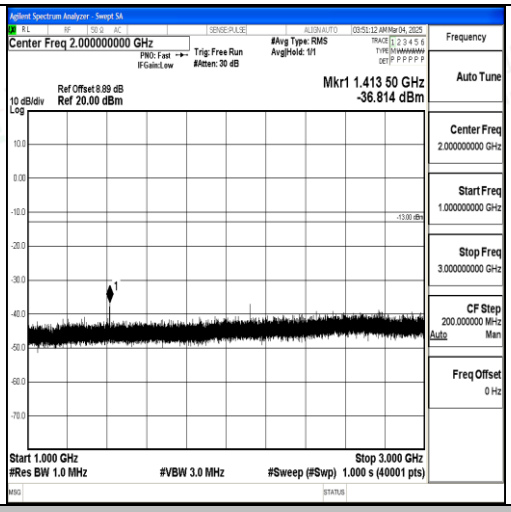
Band17_10MHz_16QAM_23800_1RB#0_0.009~0.15_0.009~0.15



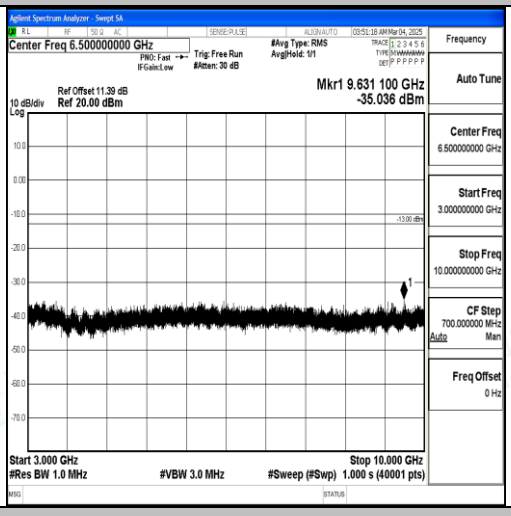
Band17_10MHz_16QAM_23800_1RB#0_0.15~30_0.15~30



Band17_10MHz_16QAM_23800_1RB#0_30~1000_30~1000



Band17_10MHz_16QAM_23800_1RB#0_1000~3000_1000~3000



Band17_10MHz_16QAM_23800_1RB#0_3000~10000_3000~10000