Appendix J: Test Data for E-UTRA Band 17

Product Name: Rugged Tablet

Test Model: A08M08

Environmental Conditions

Temperature:	25.6°C
Relative Humidity:	52.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Paddi Chen

J.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.81	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.16	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.04	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.67	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.16	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.85	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.83	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.68	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.85	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.73	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.93	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.46	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.95	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.43	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.99	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.42	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.96	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.24	PASS
Band17	5MHz	16QAM	23790	1RB#24	23.00	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.69	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.82	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.71	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.82	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.65	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.93	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.63	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.86	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.44	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.42	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.38	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.53	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.41	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.48	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.66	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.71	PASS

Band17	5MHz	QPSK	23825	12RB#6	22.61	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.71	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.75	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.79	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.62	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.90	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.27	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.29	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.16	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.58	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.21	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.67	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.54	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.58	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.55	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.59	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.59	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.67	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.66	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.65	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.57	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.55	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.51	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.48	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.44	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.43	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.43	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.78	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.59	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.79	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.70	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.29	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.76	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.25	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.18	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.20	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.15	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.17	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.66	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.52	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.76	PASS

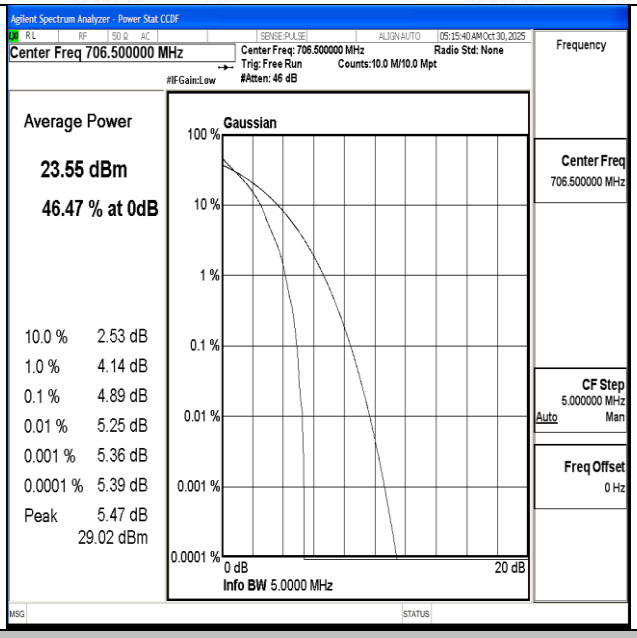
Band17	10MHz	QPSK	23800	25RB#12	22.53	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.69	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.40	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.65	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.34	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.72	PASS

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

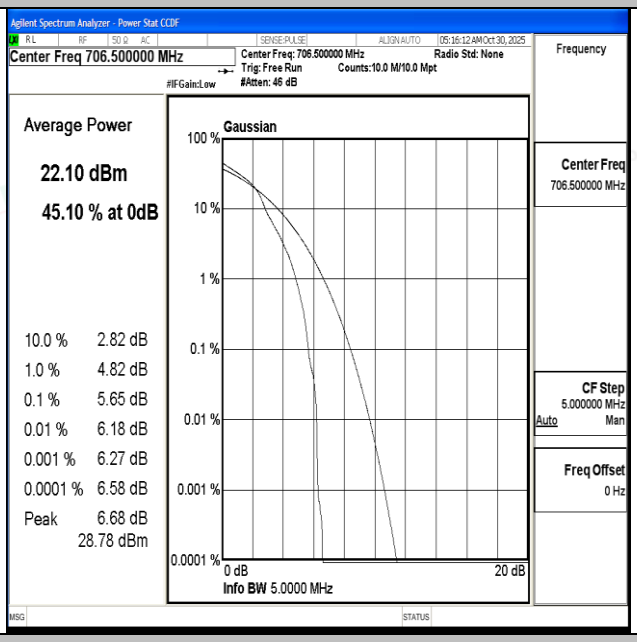
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	4.89	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.65	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.47	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.10	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	4.81	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.52	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.45	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.09	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.75	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.42	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.30	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.99	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	4.81	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.57	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.52	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.17	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	4.63	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.58	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.48	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.15	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	4.68	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.05	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.44	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.13	13	PASS

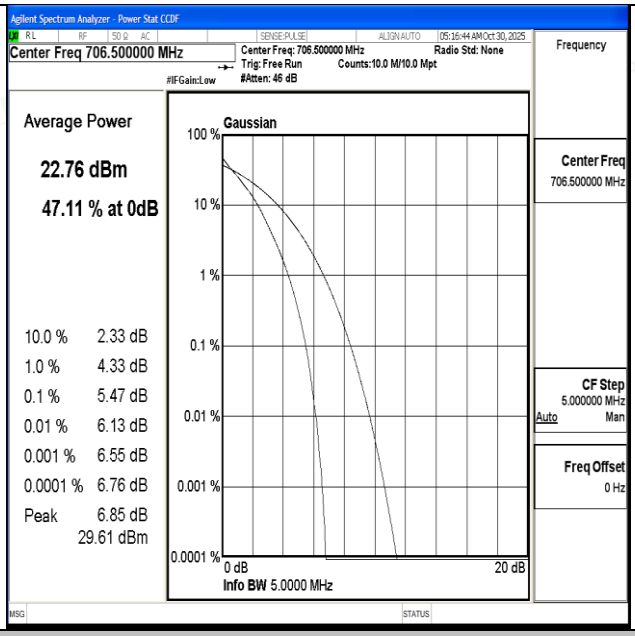
Test Graphs



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



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



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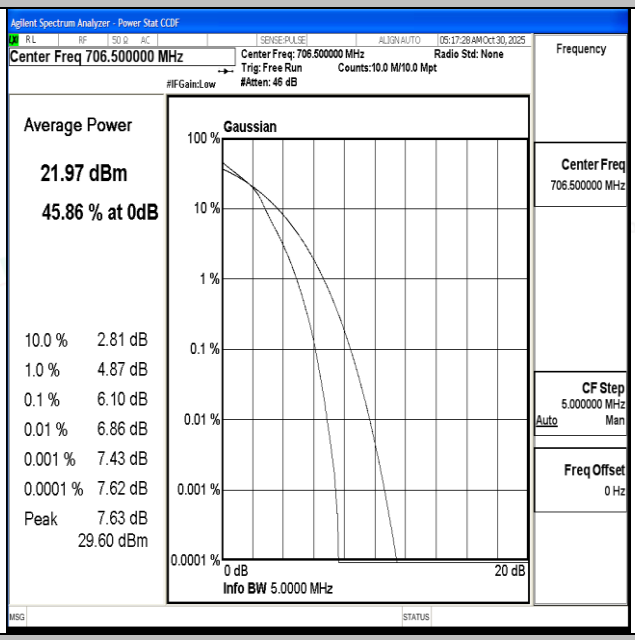

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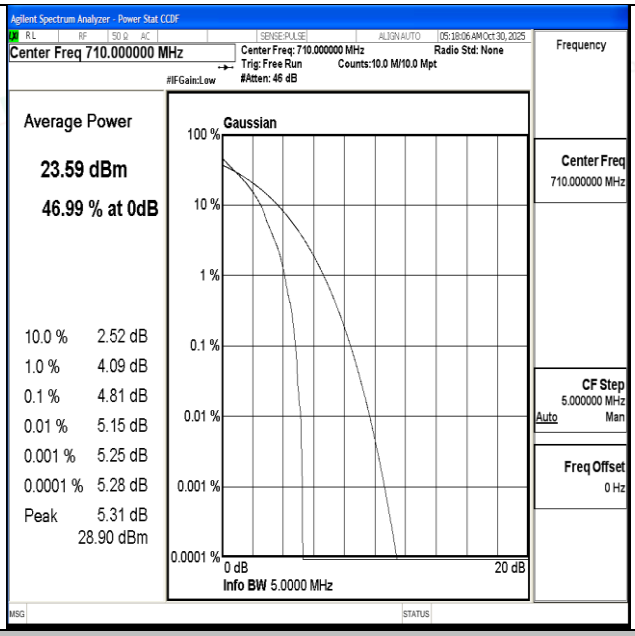
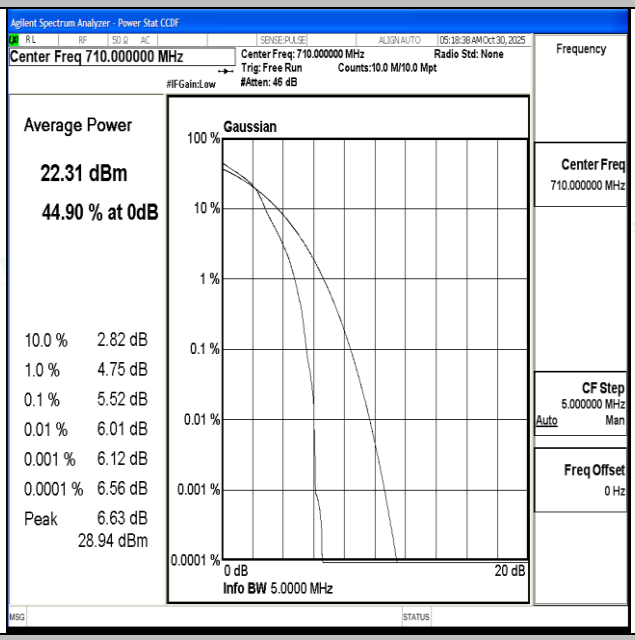
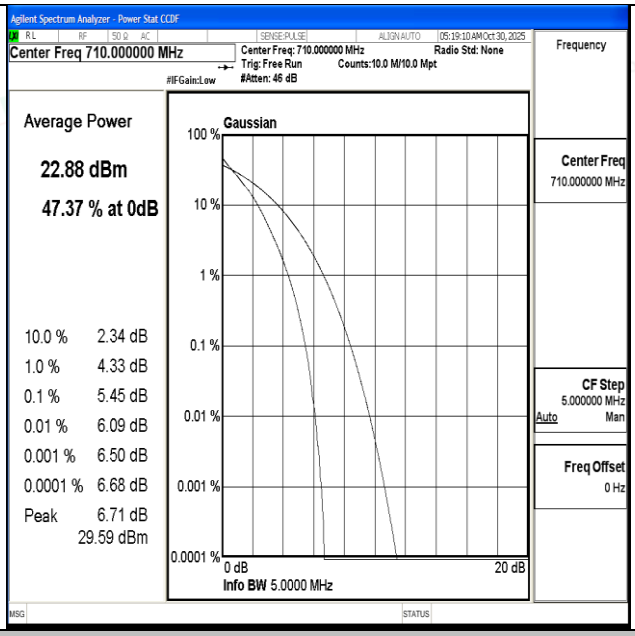


Band17-5MHz-QPSK-23790-1RB#0-PASS



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



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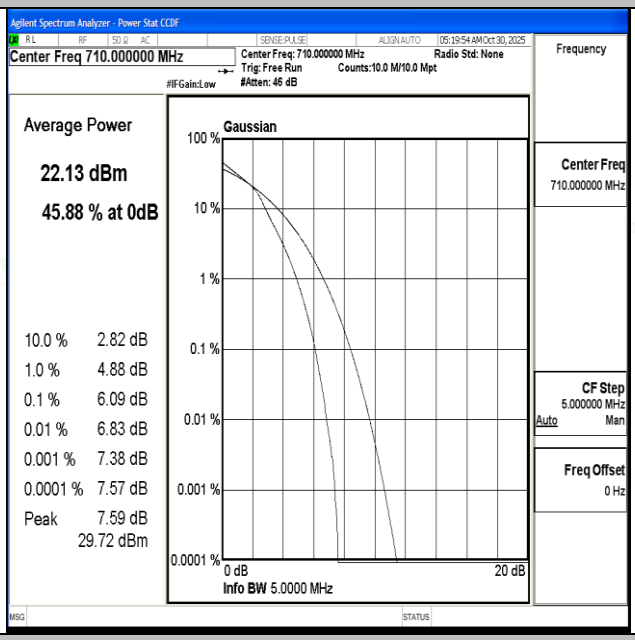
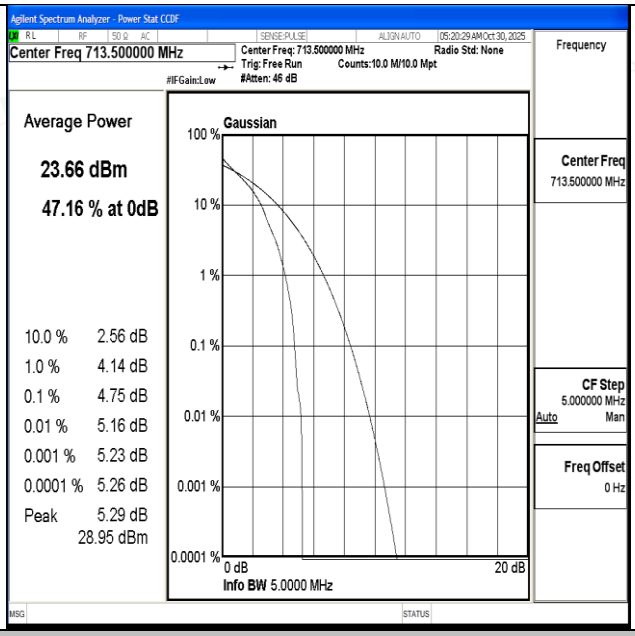
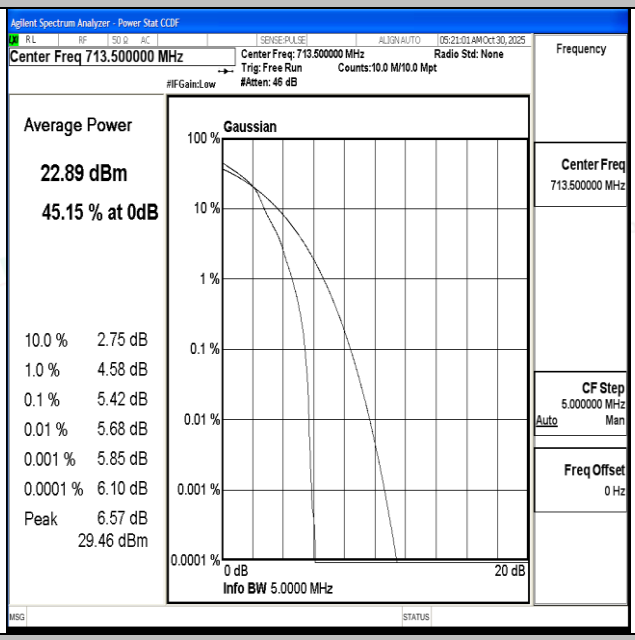


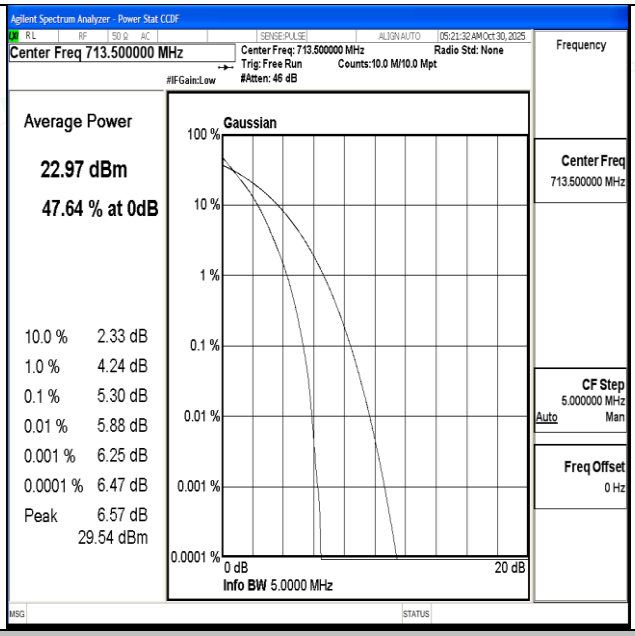
Band17-5MHz-16QAM-23790-25RB#0-PASS



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



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



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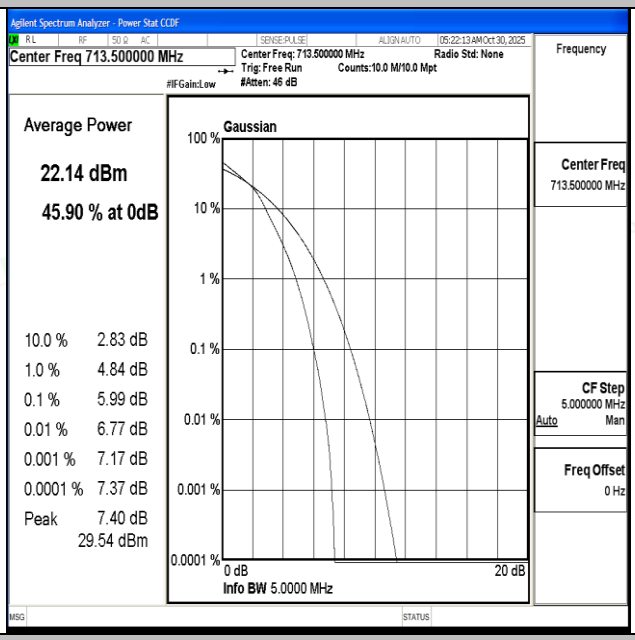
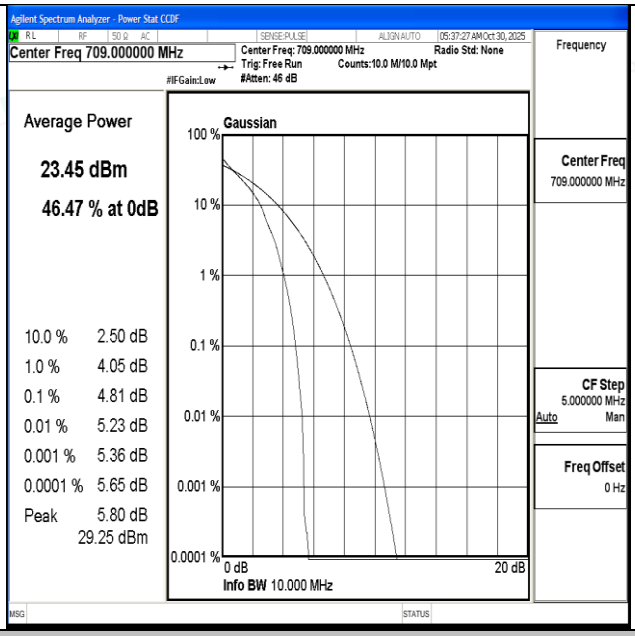
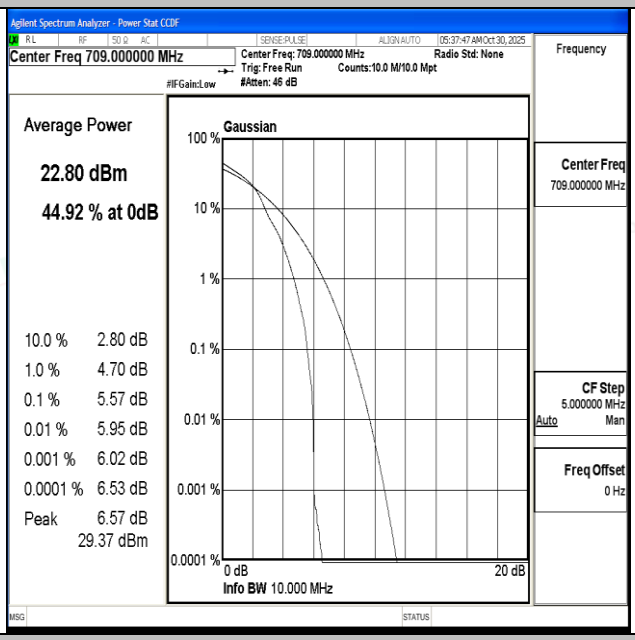


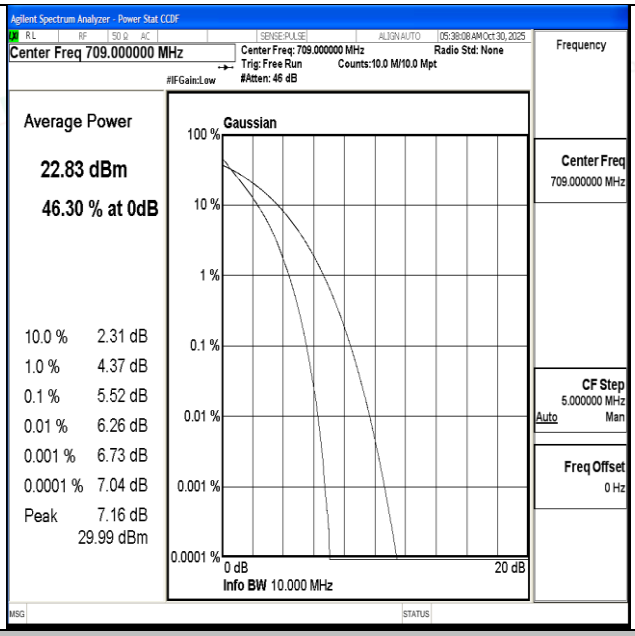
Band17-5MHz-16QAM-23825-25RB#0-PASS



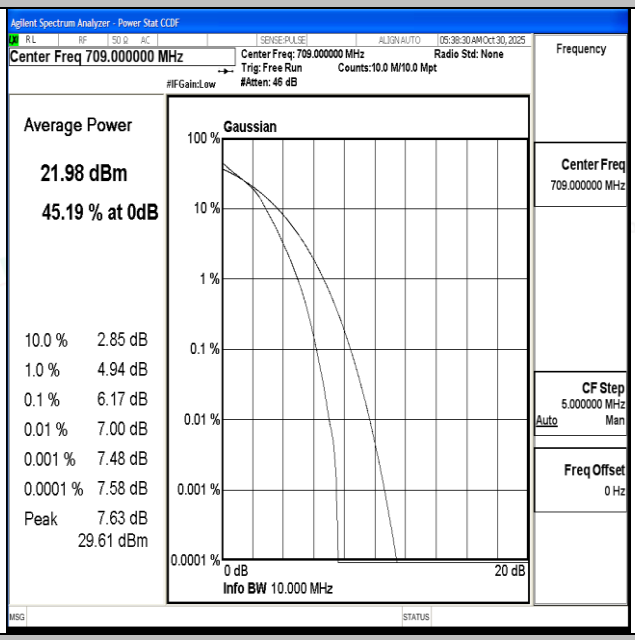
Band17-10MHz-QPSK-23780-1RB#0-PASS



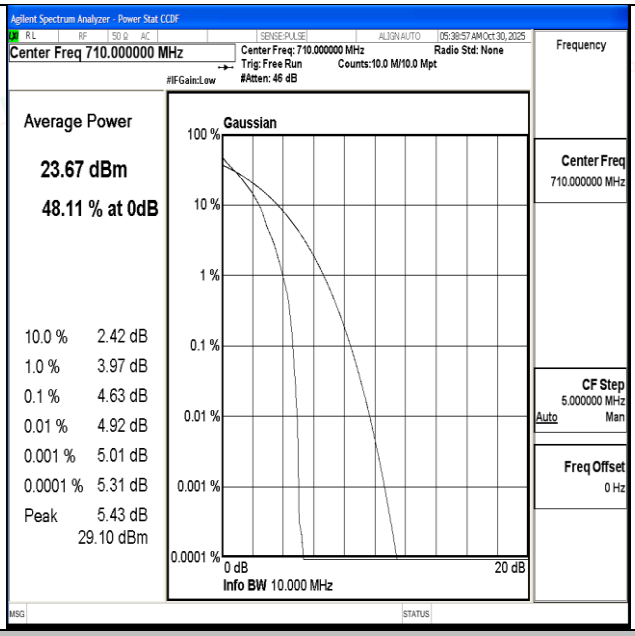
Band17-10MHz-16QAM-23780-1RB#0-PASS



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



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



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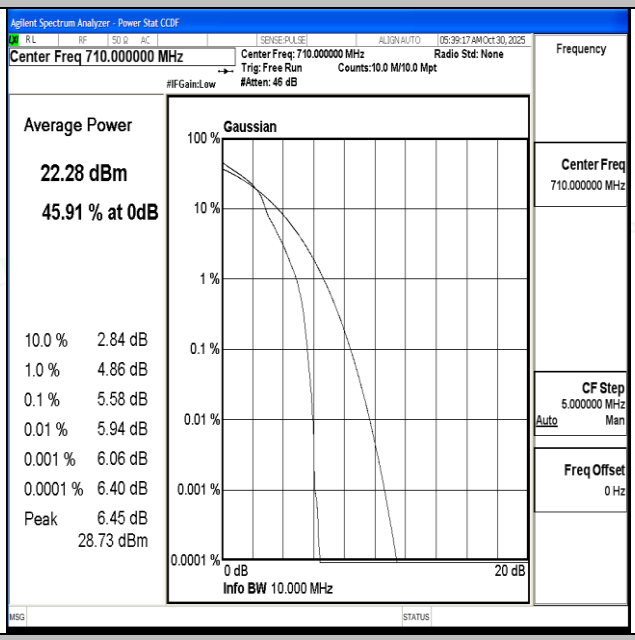
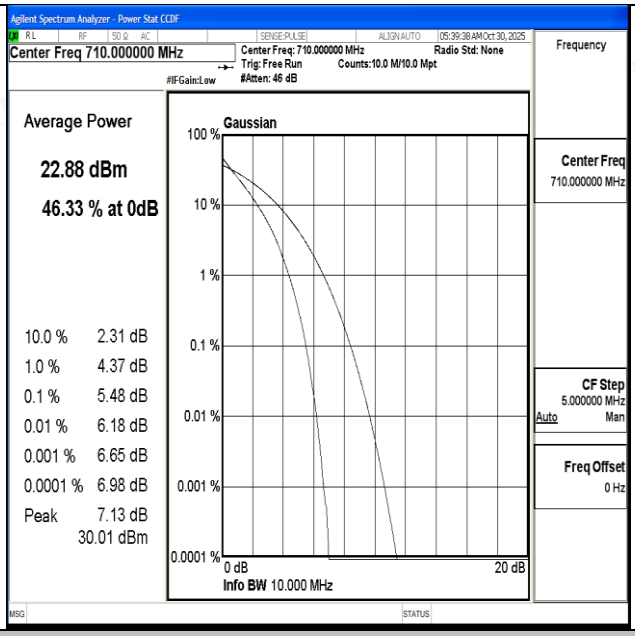
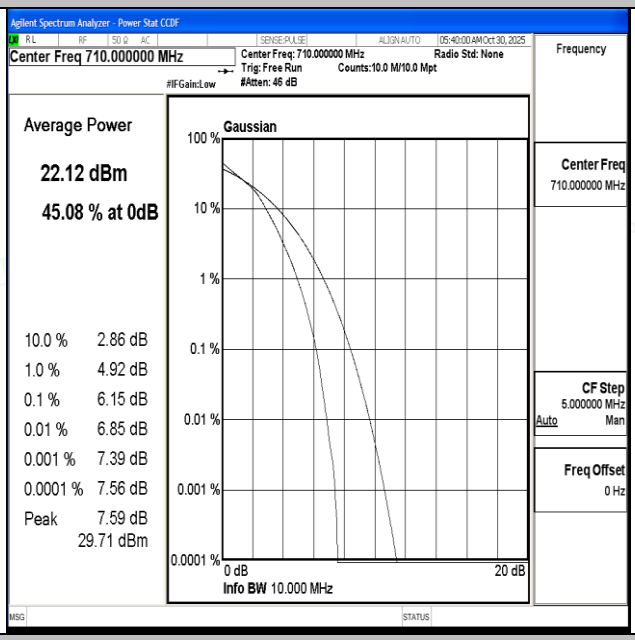


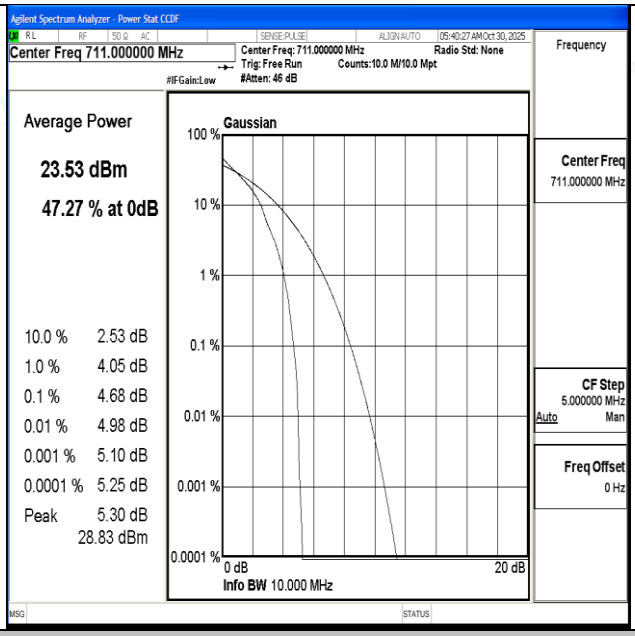
Band17-10MHz-16QAM-23790-1RB#0-PASS



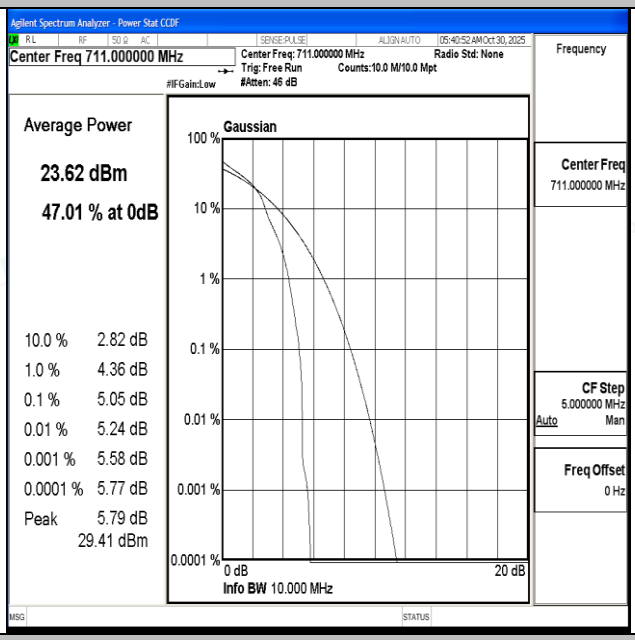
Band17-10MHz-QPSK-23790-50RB#0-PASS



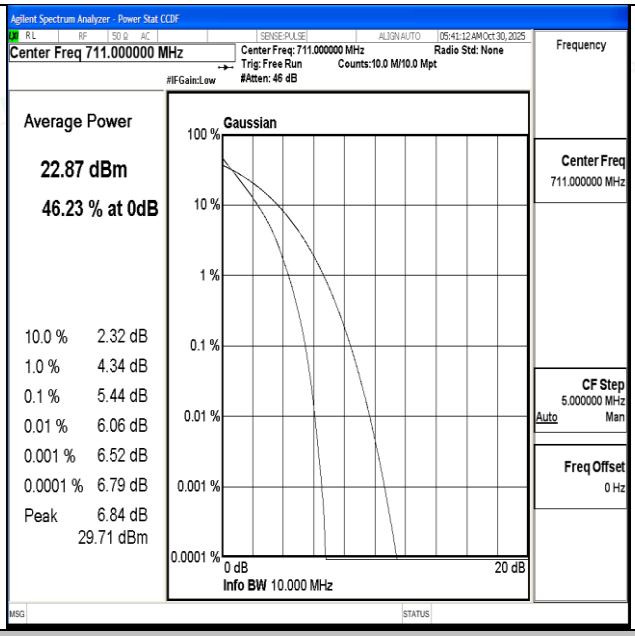
Band17-10MHz-16QAM-23790-50RB#0-PASS



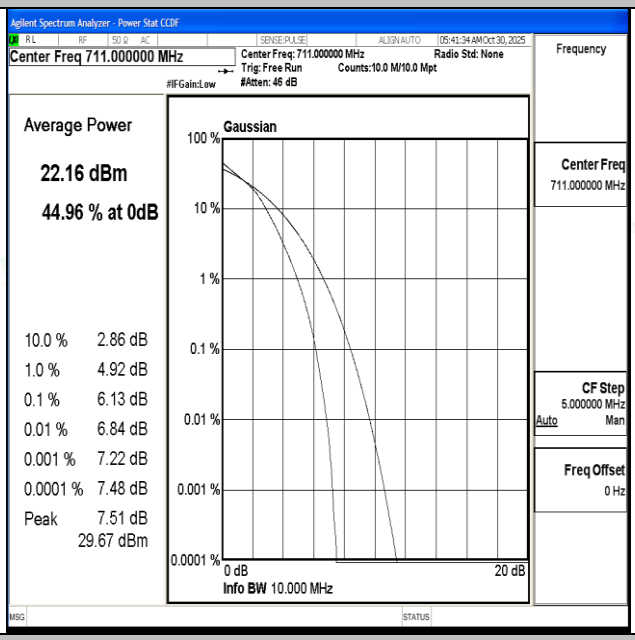
Band17-10MHz-QPSK-23800-1RB#0-PASS



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



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



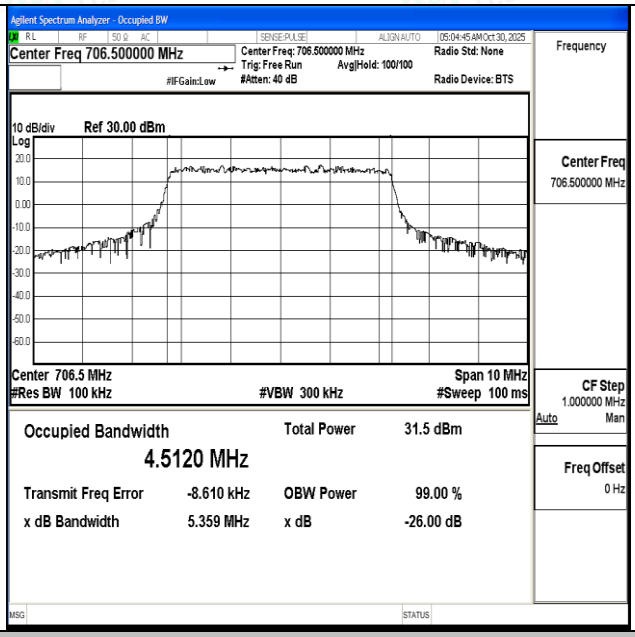
Band17-10MHz-16QAM-23800-50RB#0-PASS

J.3 26dB Bandwidth and Occupied Bandwidth

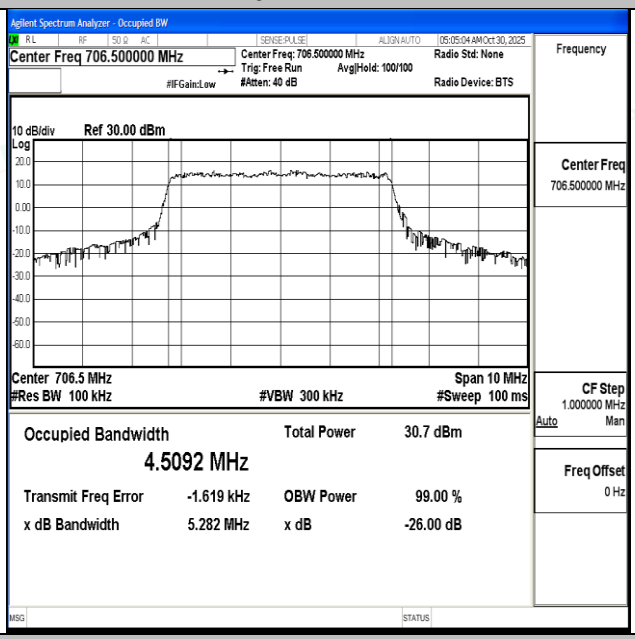
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5120	5.359	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5092	5.282	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5261	5.341	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5131	5.273	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5073	5.423	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5235	5.116	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9963	10.03	PASS
Band17	10MHz	16QAM	23780	50RB#0	9.0043	10.12	PASS
Band17	10MHz	QPSK	23790	50RB#0	9.0151	10.17	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.0057	10.63	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9992	10.05	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9919	10.11	PASS

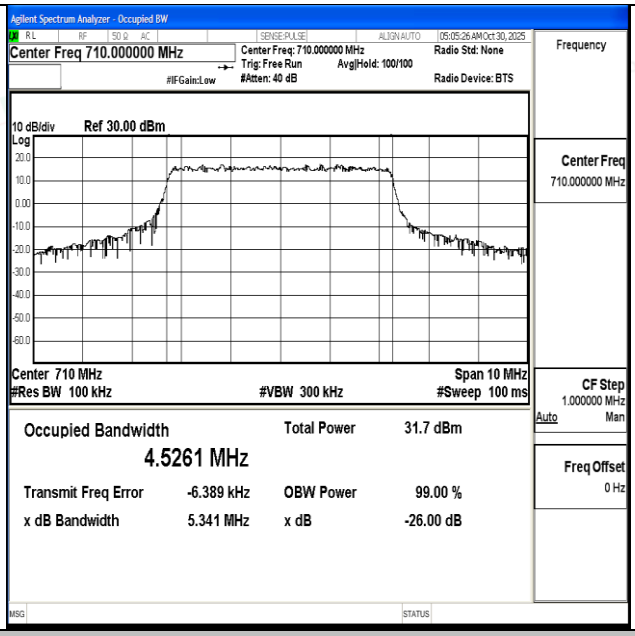
Test Graphs



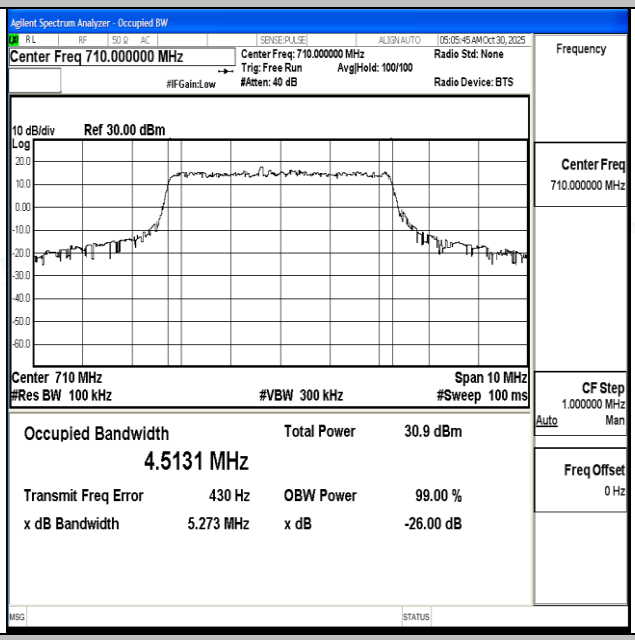
Band17-5MHz-QPSK-23755-25RB#0-PASS



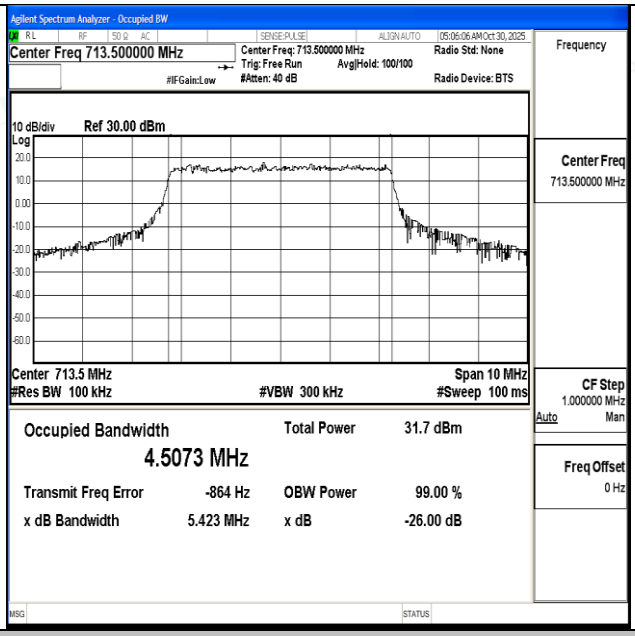
Band17-5MHz-16QAM-23755-25RB#0-PASS



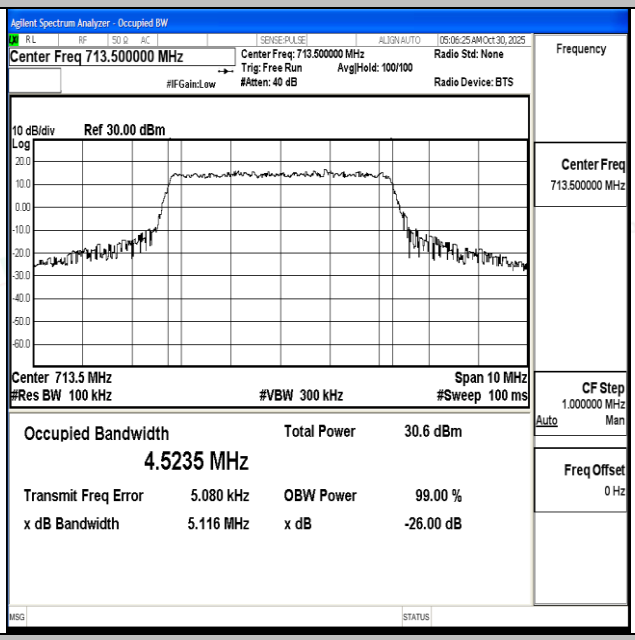
Band17-5MHz-QPSK-23790-25RB#0-PASS



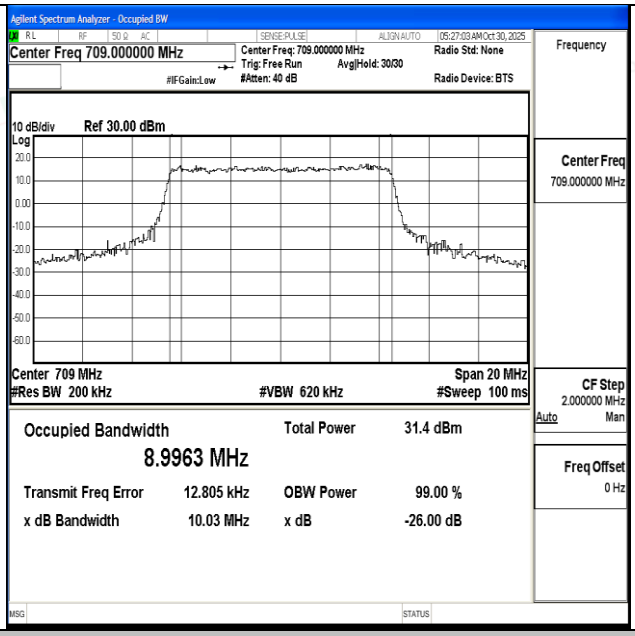
Band17-5MHz-16QAM-23790-25RB#0-PASS



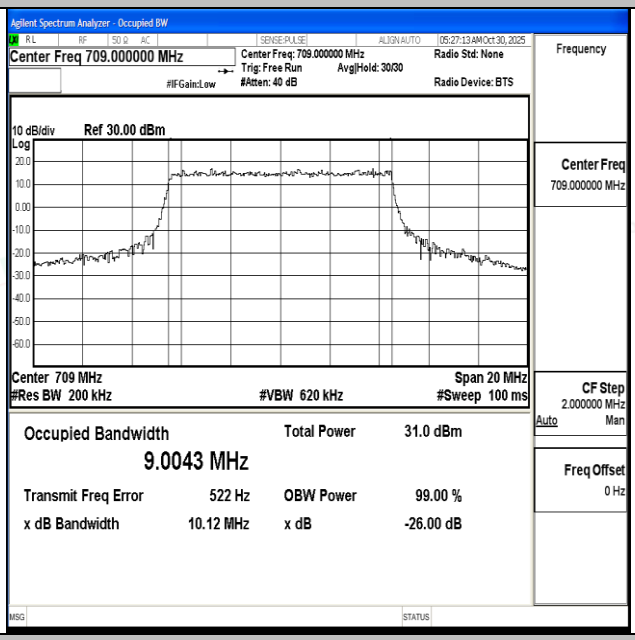
Band17-5MHz-QPSK-23825-25RB#0-PASS



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



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



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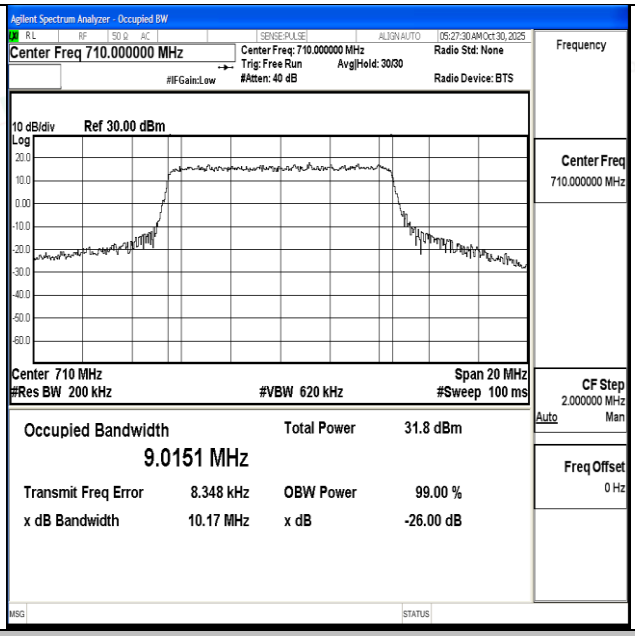
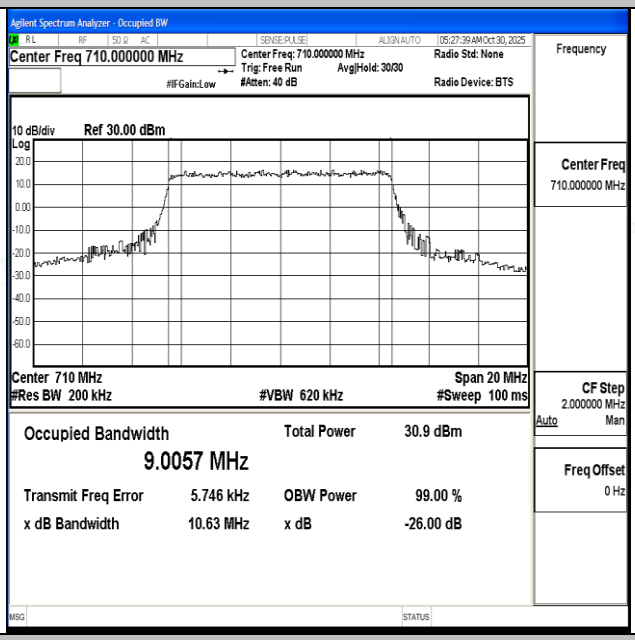
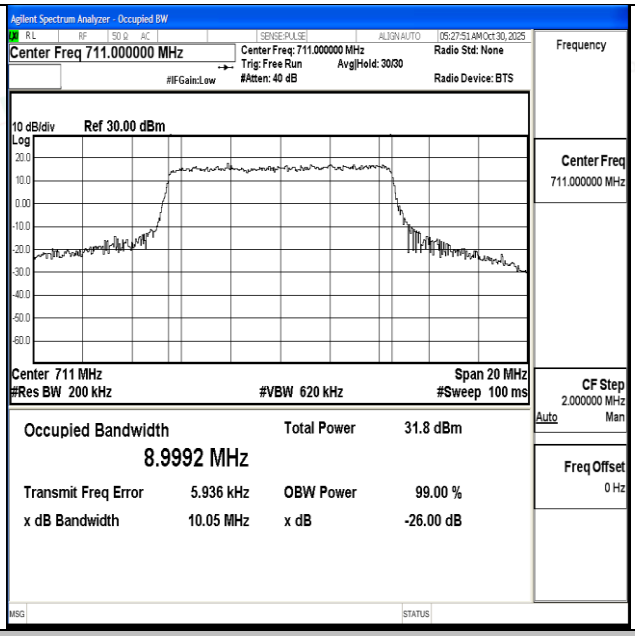


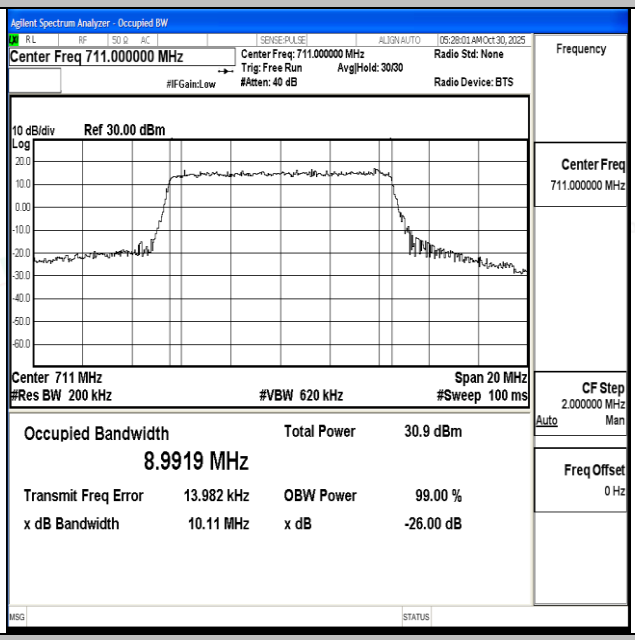
Band17-10MHz-QPSK-23790-50RB#0-PASS



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



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



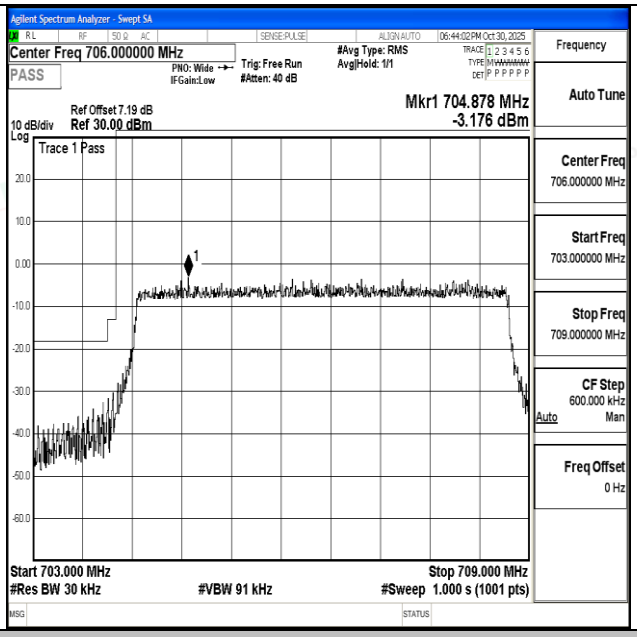
Band17-10MHz-16QAM-23800-50RB#0-PASS

J.4 Band Edge

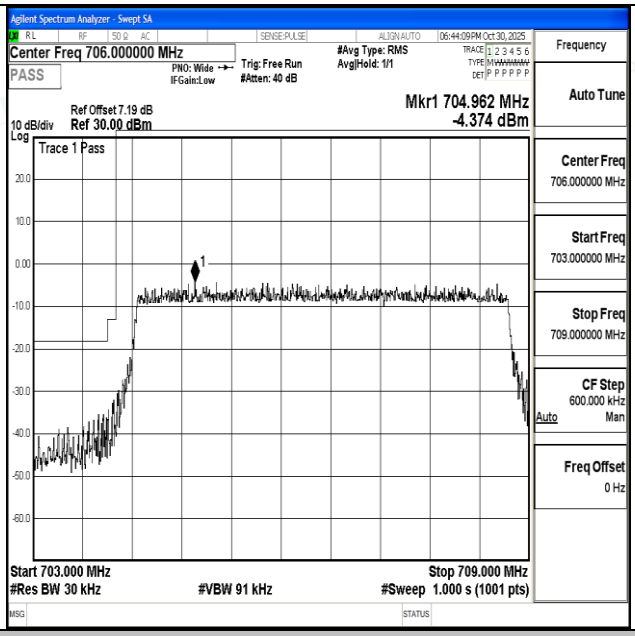
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	703.85	-32.60	PASS
Band17	5MHz	16QAM	23755	25RB#0	703.86	-35.49	PASS
Band17	5MHz	QPSK	23825	25RB#0	716.13	-33.68	PASS
Band17	5MHz	16QAM	23825	25RB#0	716.14	-32.89	PASS
Band17	10MHz	QPSK	23780	50RB#0	703.88	-40.21	PASS
Band17	10MHz	16QAM	23780	50RB#0	703.86	-41.64	PASS
Band17	10MHz	QPSK	23800	50RB#0	716.14	-38.64	PASS
Band17	10MHz	16QAM	23800	50RB#0	716.20	-40.08	PASS

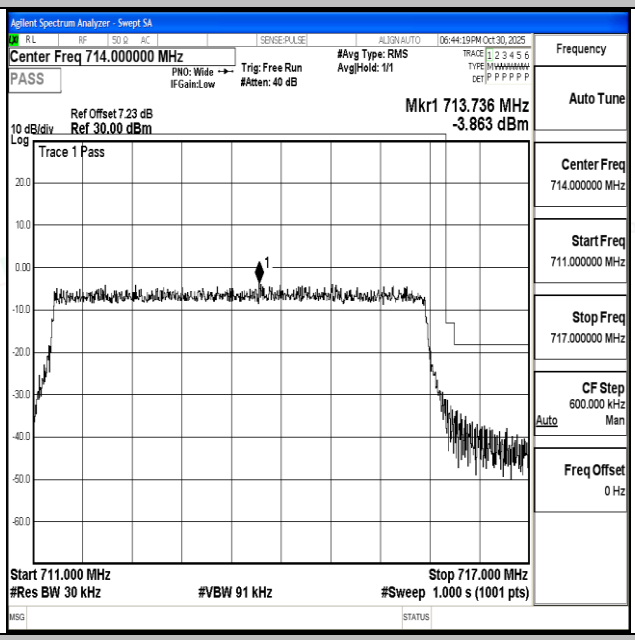
Test Graphs



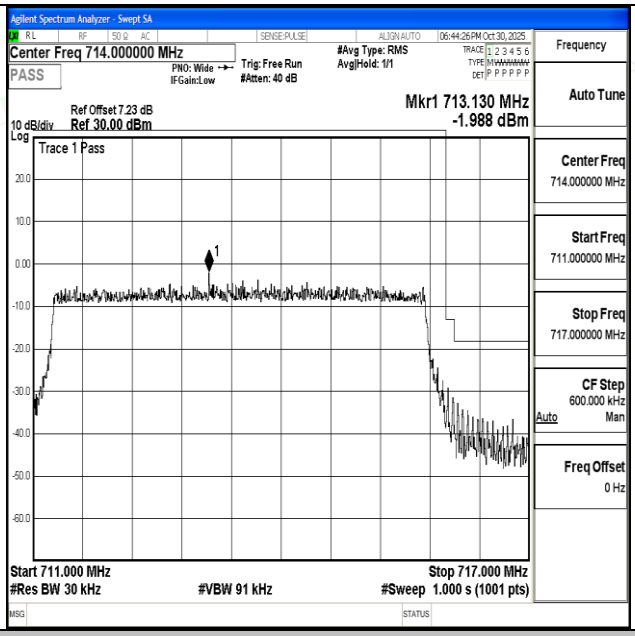
Band17_5MHz_QPSK_23755_25RB#0



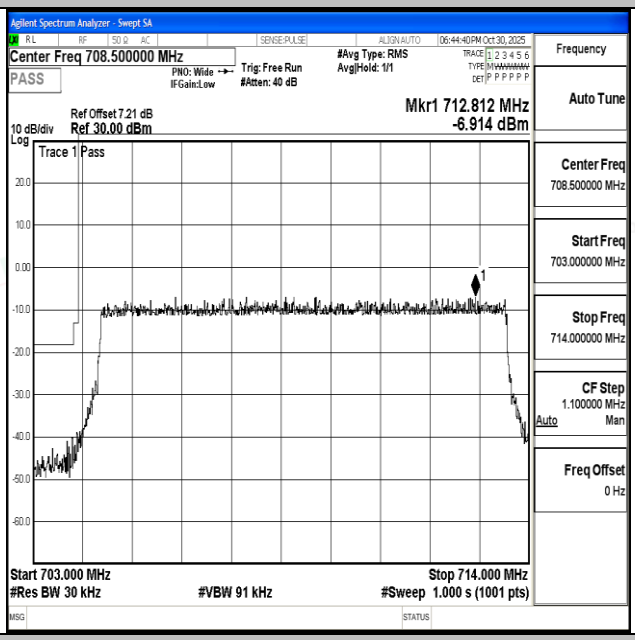
Band17_5MHz_16QAM_23755_25RB#0



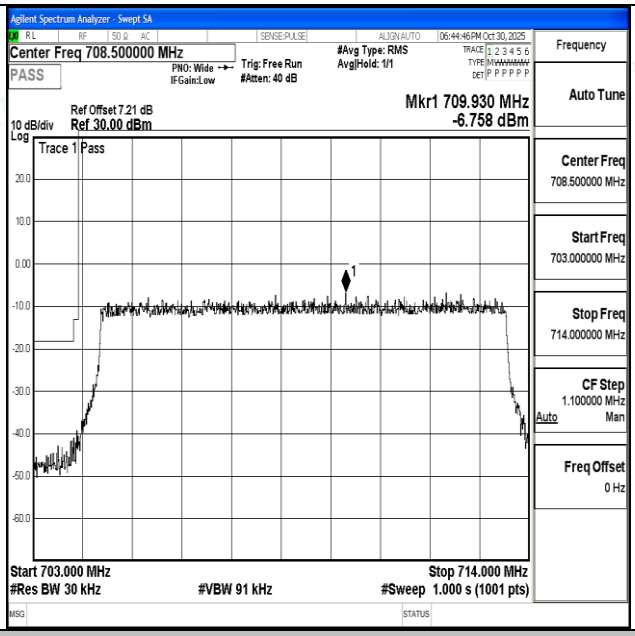
Band17_5MHz_QPSK_23825_25RB#0



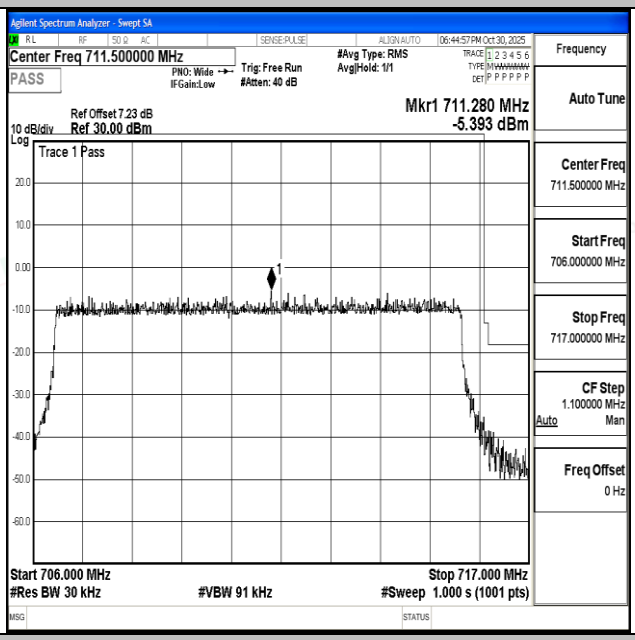
Band17_5MHz_16QAM_23825_25RB#0



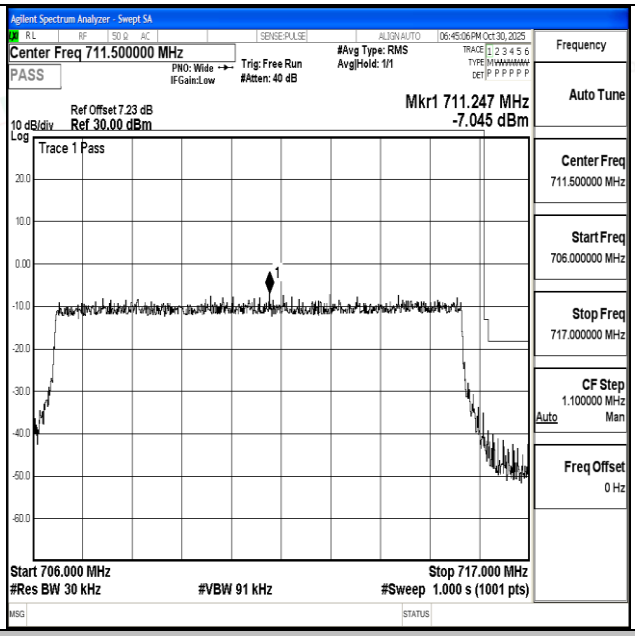
Band17_10MHz_QPSK_23780_50RB#0



Band17_10MHz_16QAM_23780_50RB#0



Band17_10MHz_QPSK_23800_50RB#0



Band17_10MHz_16QAM_23800_50RB#0

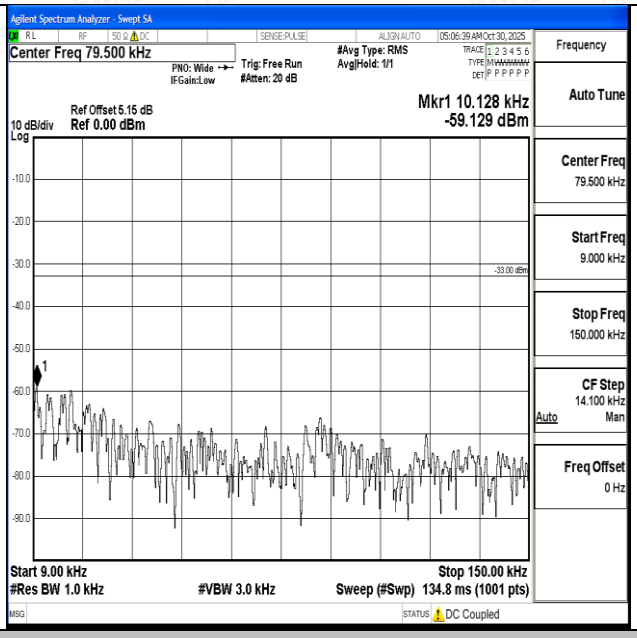
J.5 Conducted Spurious Emission

Test Result

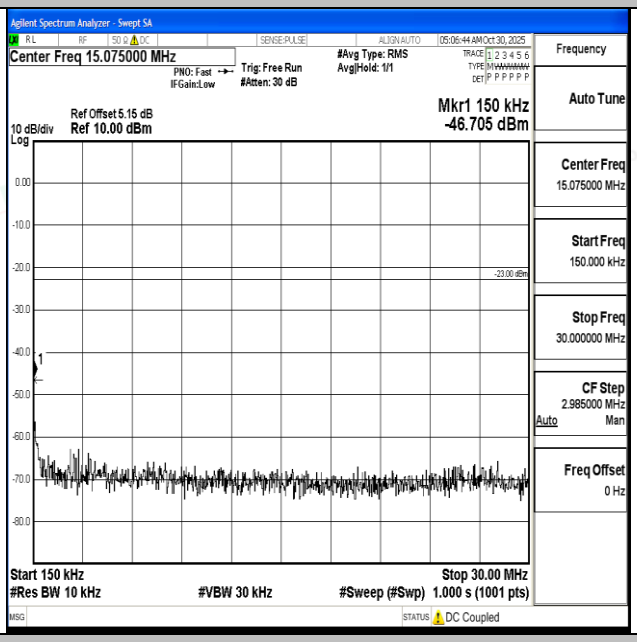
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	0.009~0.15	-59.13	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	-46.71	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	-42.11	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	-37.32	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	-35.17	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	-57.58	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	-47.73	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	-45.43	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	-38.71	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	-35.59	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	-60.79	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	-47.01	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	-43.35	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	-38.70	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	-35.66	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	-58.35	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.15~30	-45.20	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	-46.89	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	-38.10	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	-34.89	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	-56.27	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	-43.66	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	-43.75	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	-36.84	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	-34.91	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	-57.27	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	-45.46	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	-43.43	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	-37.37	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	-35.26	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	-56.88	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	-46.51	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	-52.89	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~3000	-38.61	PASS
Band17	10MHz	QPSK	23780	1RB#0	3000~10000	-35.49	PASS

Band17	10MHz	16QAM	23780	1RB#0	0.009~0.15	-57.27	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.15~30	-42.90	PASS
Band17	10MHz	16QAM	23780	1RB#0	30~1000	-52.30	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~3000	-35.86	PASS
Band17	10MHz	16QAM	23780	1RB#0	3000~10000	-35.05	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.009~0.15	-61.35	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.15~30	-47.28	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000	-52.64	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~3000	-37.85	PASS
Band17	10MHz	QPSK	23790	1RB#0	3000~10000	-35.62	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.009~0.15	-58.29	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.15~30	-45.32	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000	-52.67	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~3000	-36.64	PASS
Band17	10MHz	16QAM	23790	1RB#0	3000~10000	-34.92	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.009~0.15	-56.21	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.15~30	-44.40	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000	-53.00	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~3000	-37.56	PASS
Band17	10MHz	QPSK	23800	1RB#0	3000~10000	-35.59	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.009~0.15	-55.54	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.15~30	-47.58	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000	-52.84	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~3000	-38.23	PASS
Band17	10MHz	16QAM	23800	1RB#0	3000~10000	-35.67	PASS

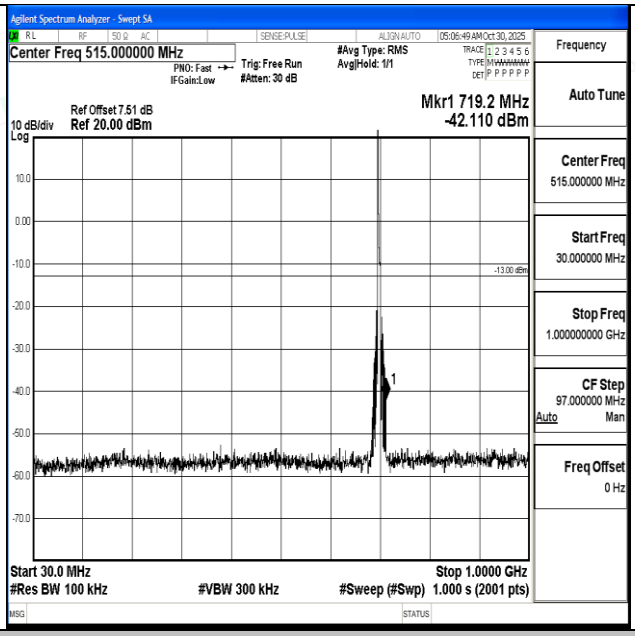
Test Graphs



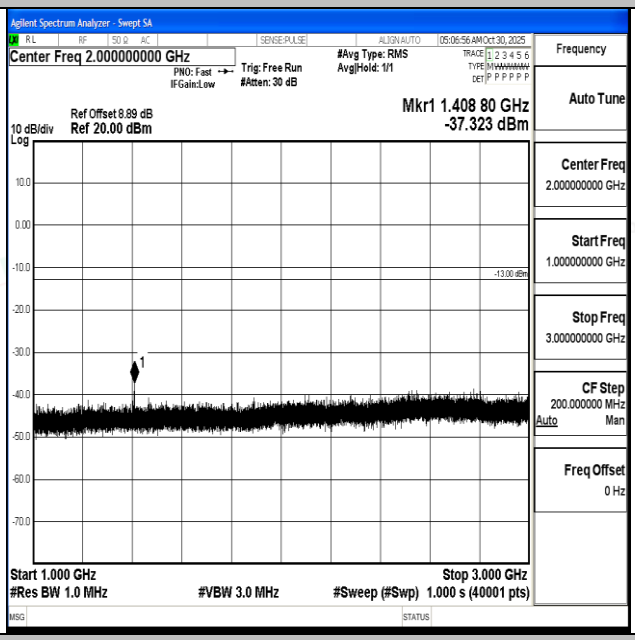
Band17_5MHz_QPSK_23755_1RB#0_0.009~0.15_0.009~0.15



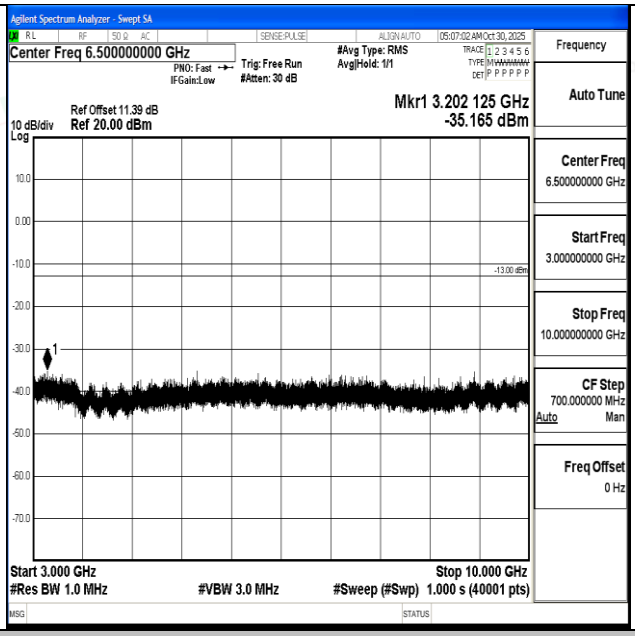
Band17_5MHz_QPSK_23755_1RB#0_0.15~30_0.15~30



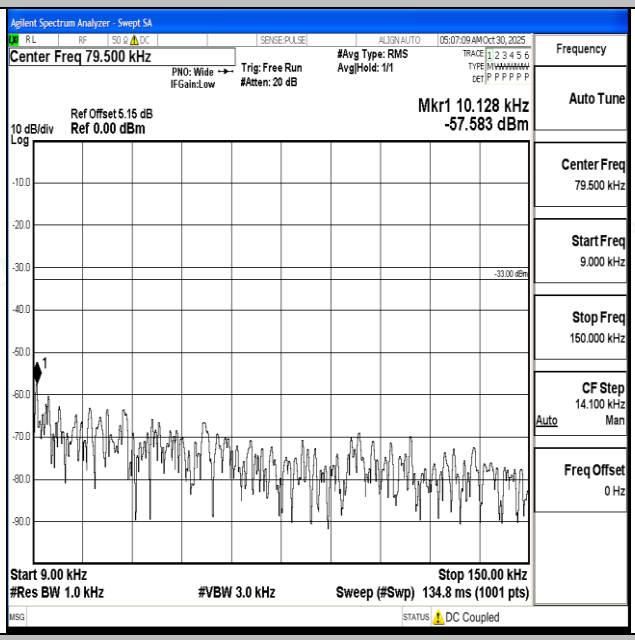
Band17_5MHz_QPSK_23755_1RB#0_30~1000_30~1000



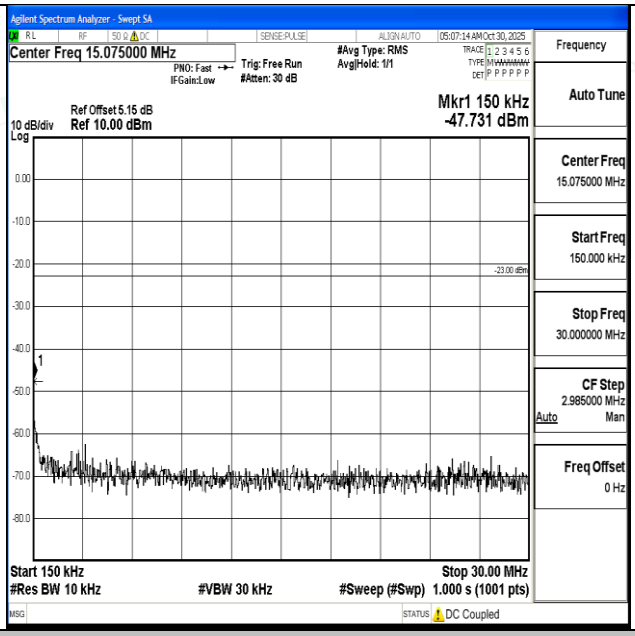
Band17_5MHz_QPSK_23755_1RB#0_1000~3000_1000~3000



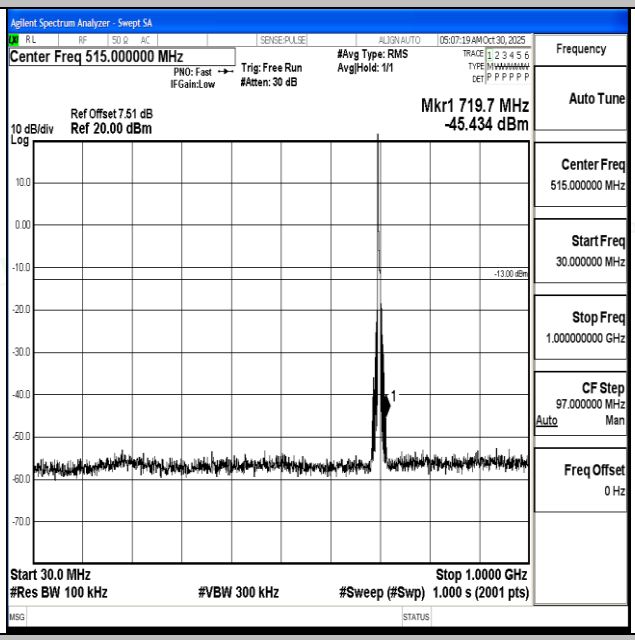
Band17_5MHz_QPSK_23755_1RB#0_3000~10000_3000~10000



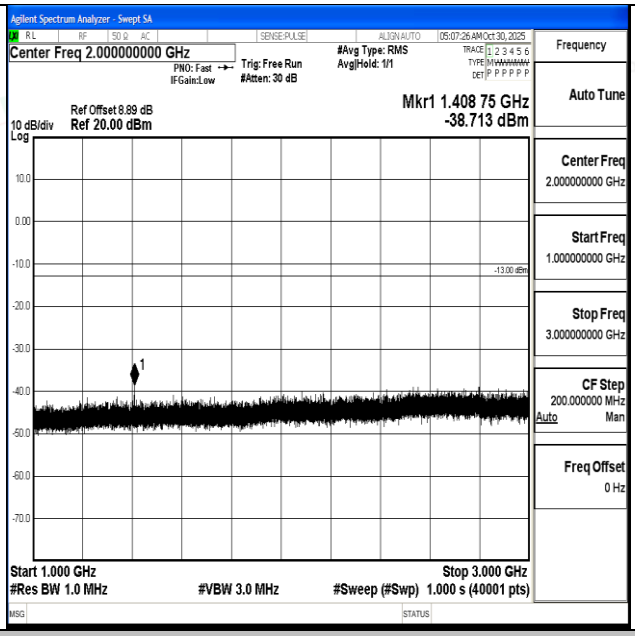
Band17_5MHz_16QAM_23755_1RB#0_0.009~0.15_0.009~0.15



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



Band17_5MHz_16QAM_23755_1RB#0_30~1000_30~1000



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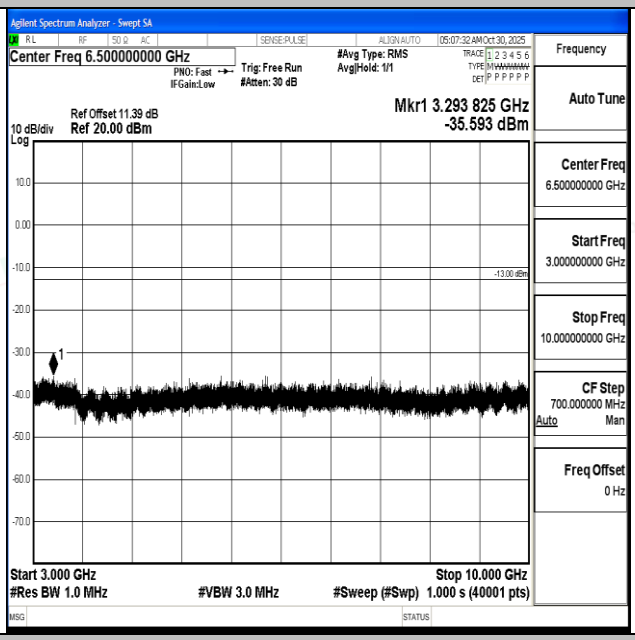
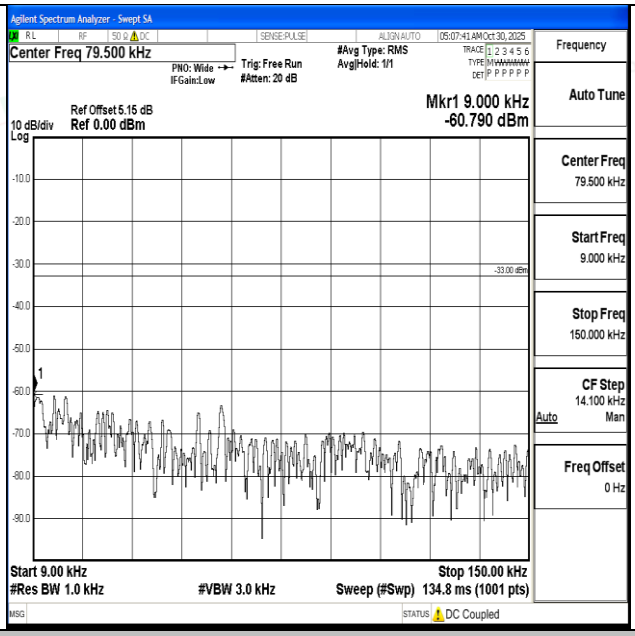
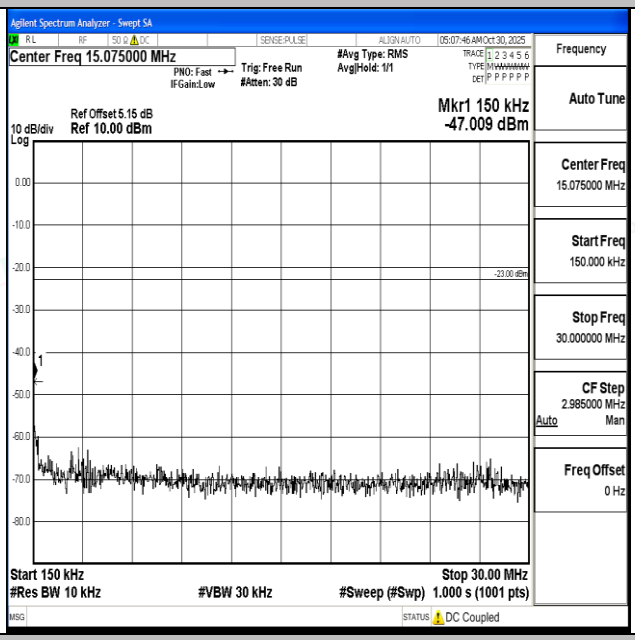


Band17_5MHz_16QAM_23755_1RB#0_3000~10000_3000~10000



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



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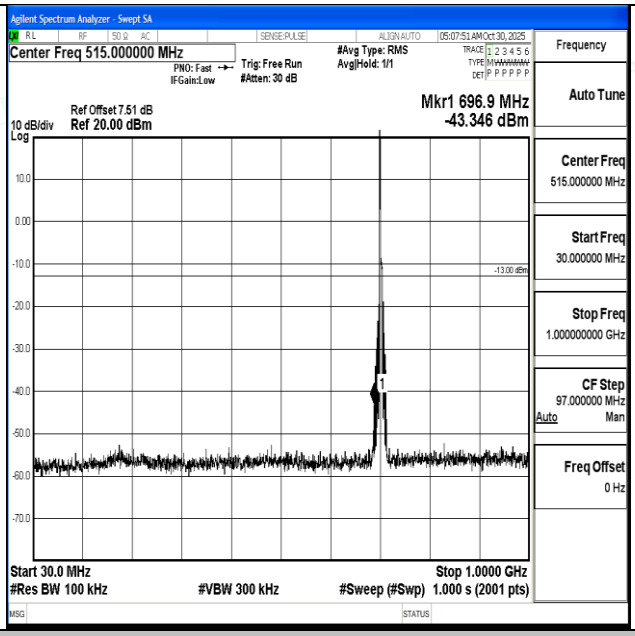
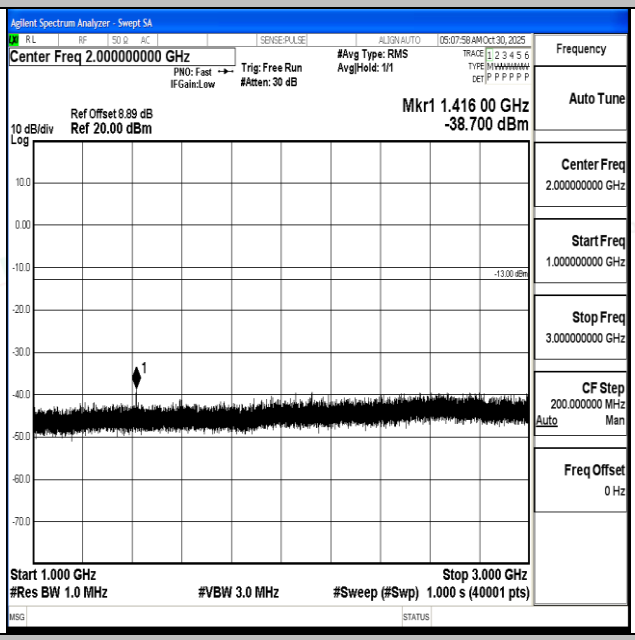
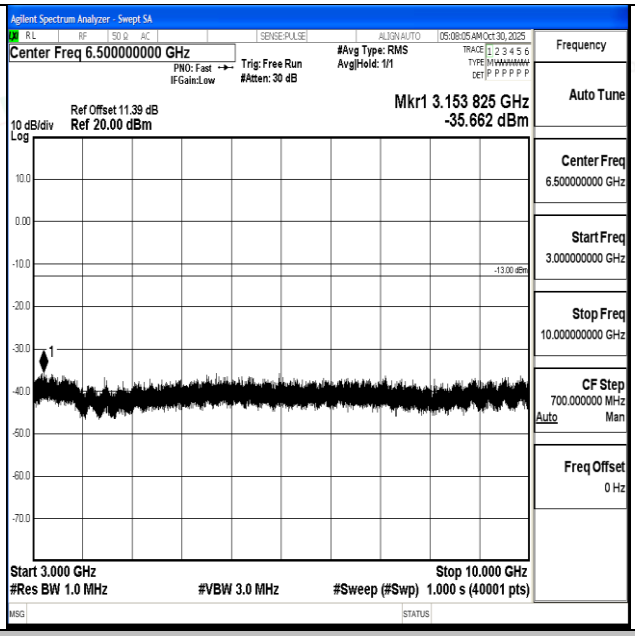


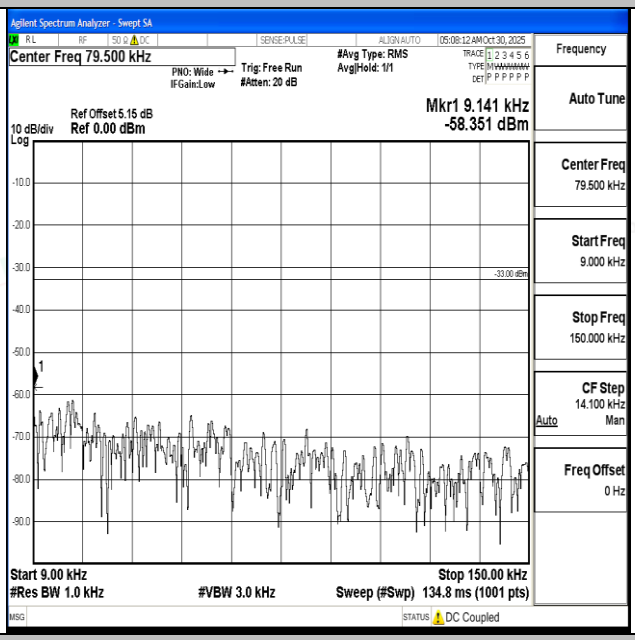
Band17_5MHz_QPSK_23790_1RB#0_30~1000_30~1000



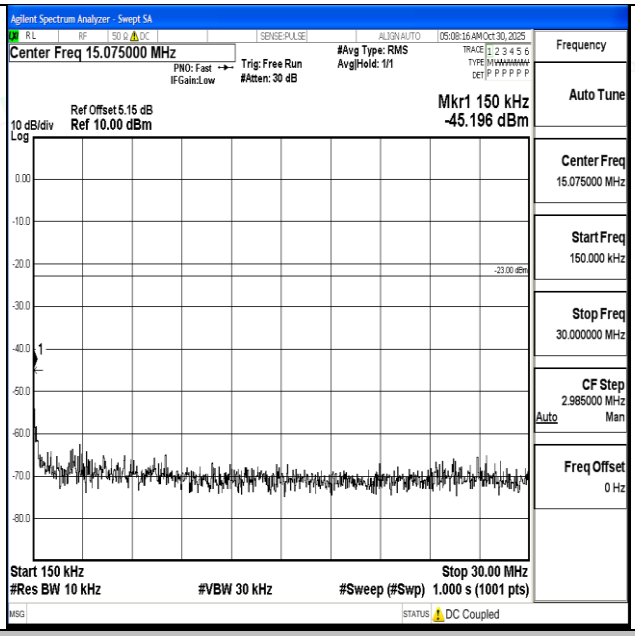
Band17_5MHz_QPSK_23790_1RB#0_1000~3000_1000~3000



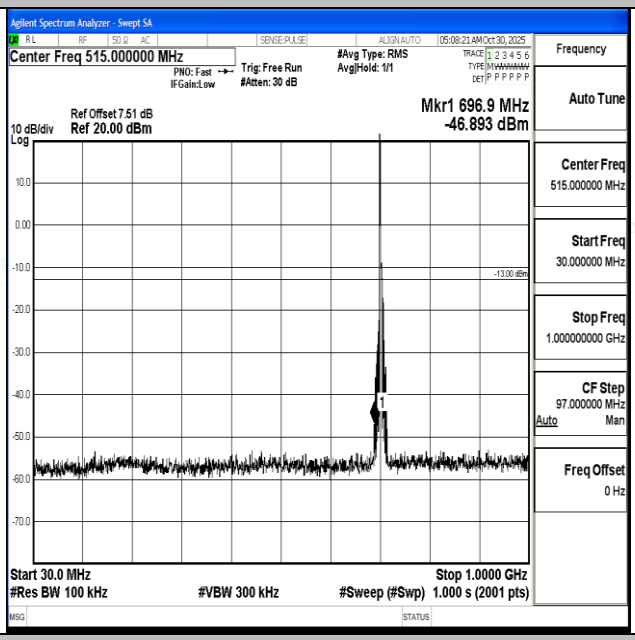
Band17_5MHz_QPSK_23790_1RB#0_3000~10000_3000~10000



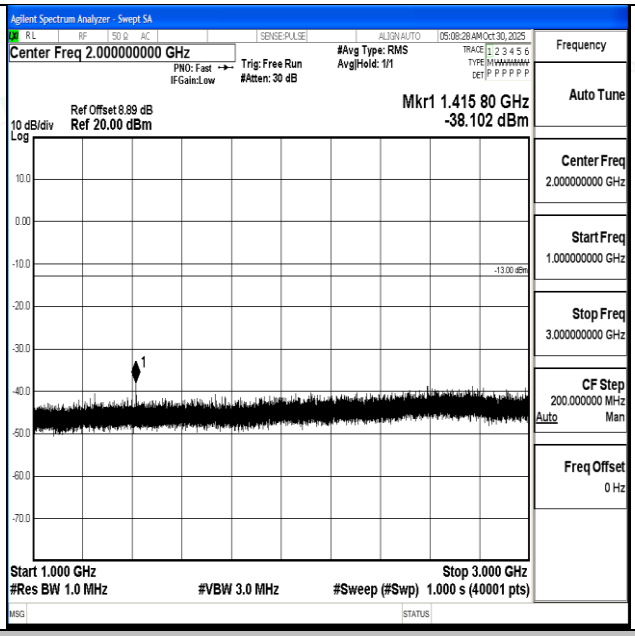
Band17_5MHz_16QAM_23790_1RB#0_0.009~0.15_0.009~0.15



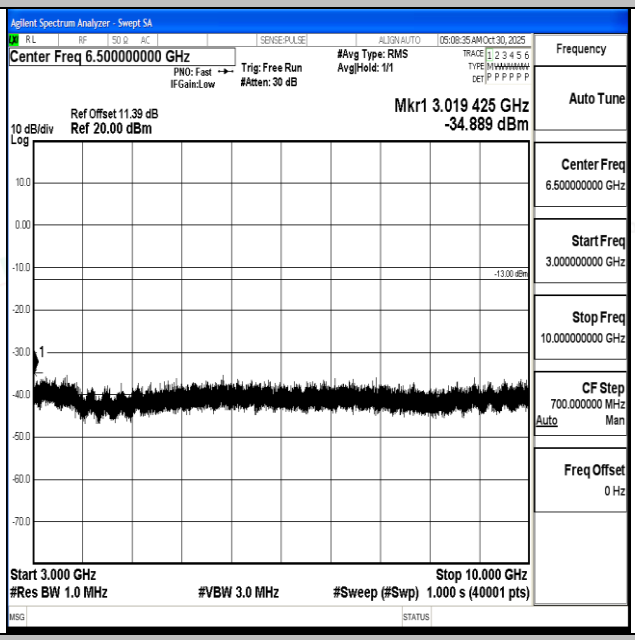
Band17_5MHz_16QAM_23790_1RB#0_0.15~30_0.15~30



Band17_5MHz_16QAM_23790_1RB#0_30~1000_30~1000



Band17_5MHz_16QAM_23790_1RB#0_1000~3000_1000~3000



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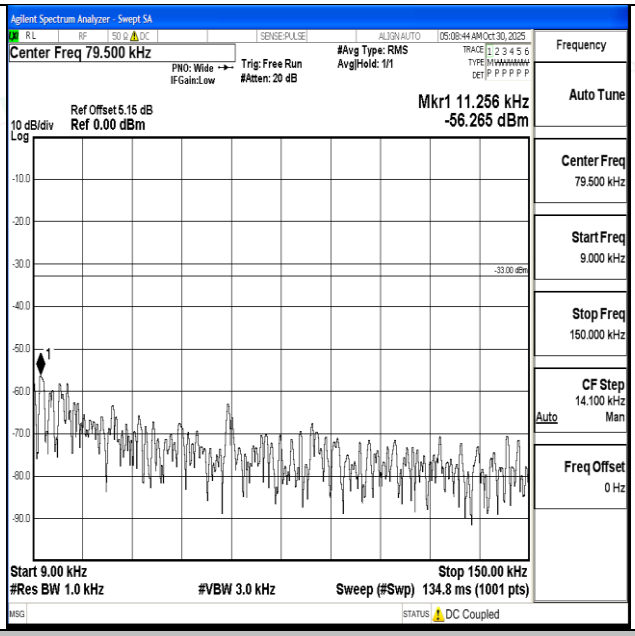
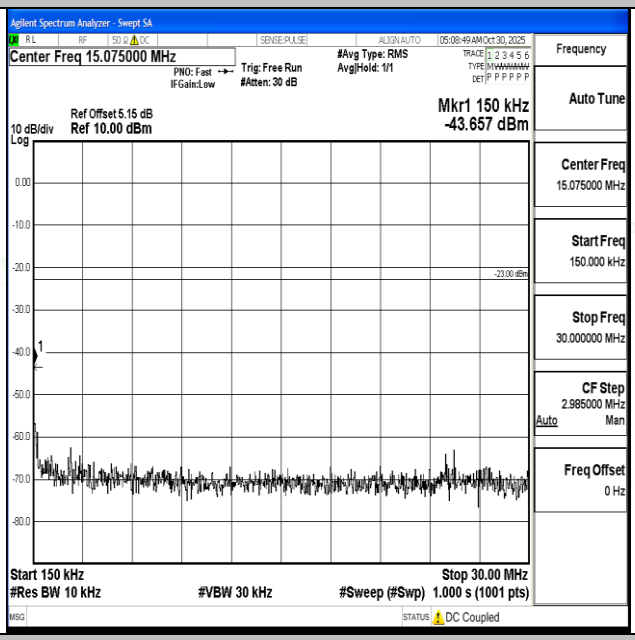


Band17_5MHz_QPSK_23825_1RB#0_0.009~0.15_0.009~0.15



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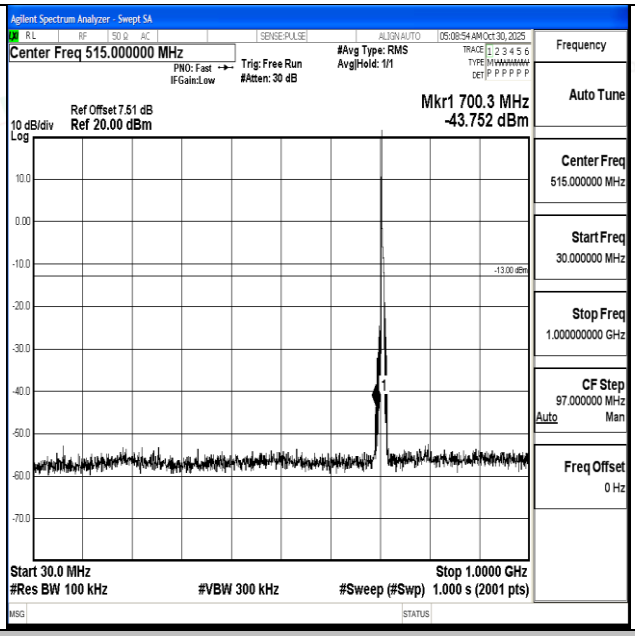

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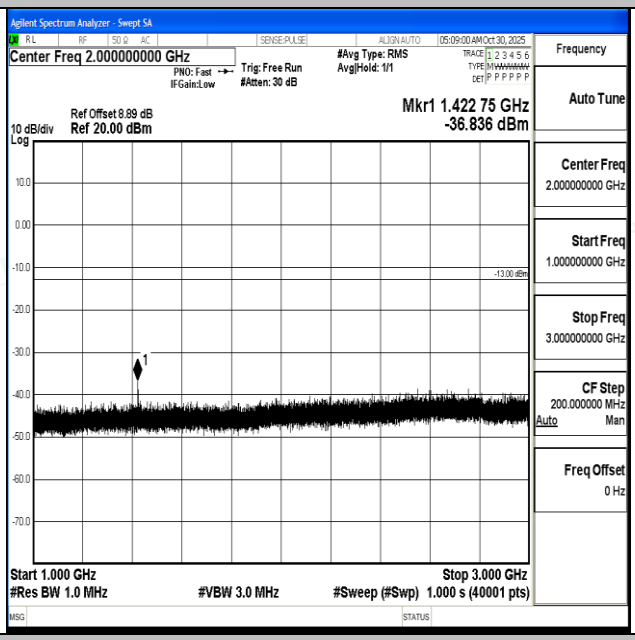
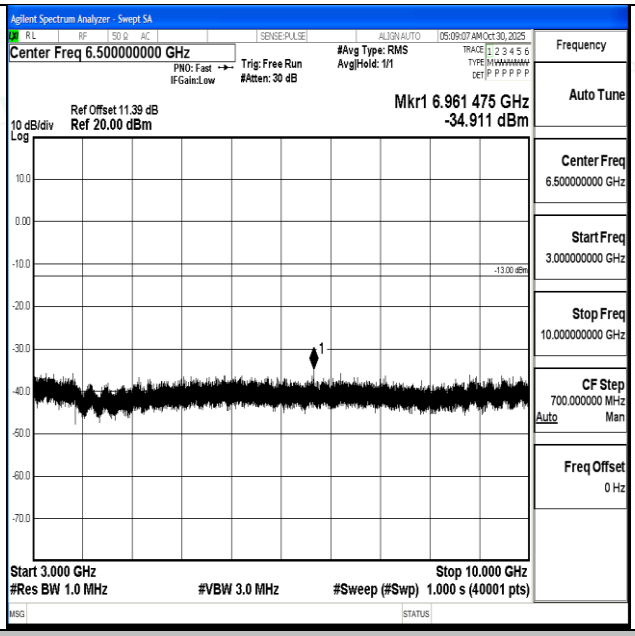


Band17_5MHz_QPSK_23825_1RB#0_1000~3000_1000~3000



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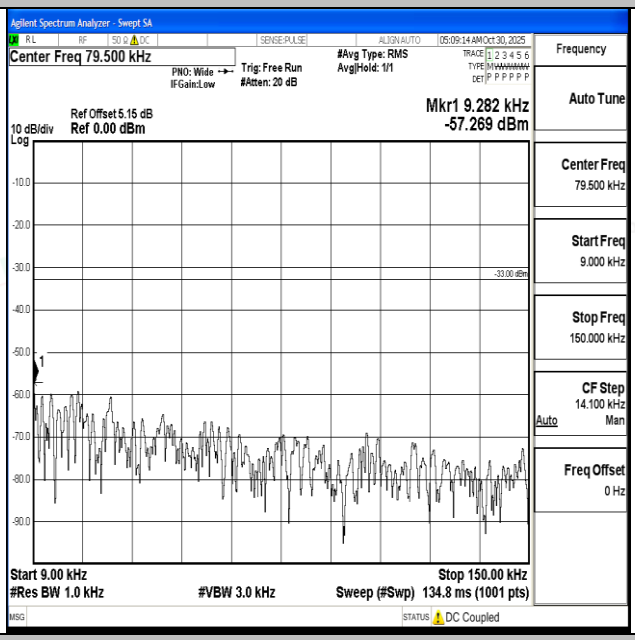
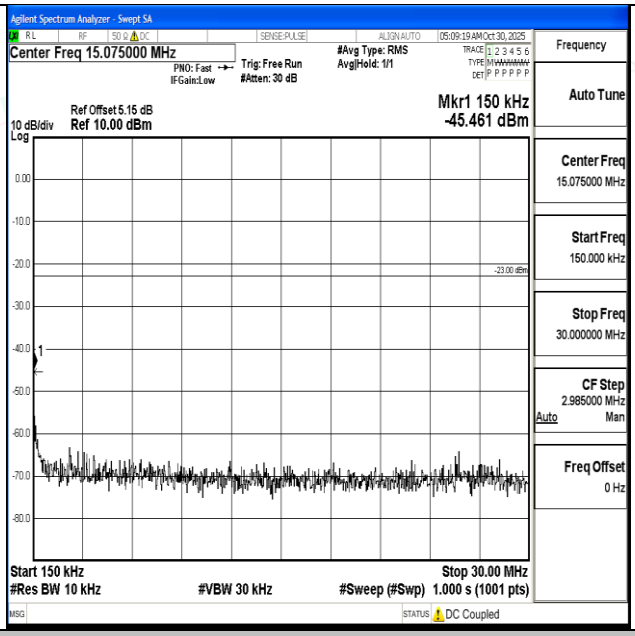
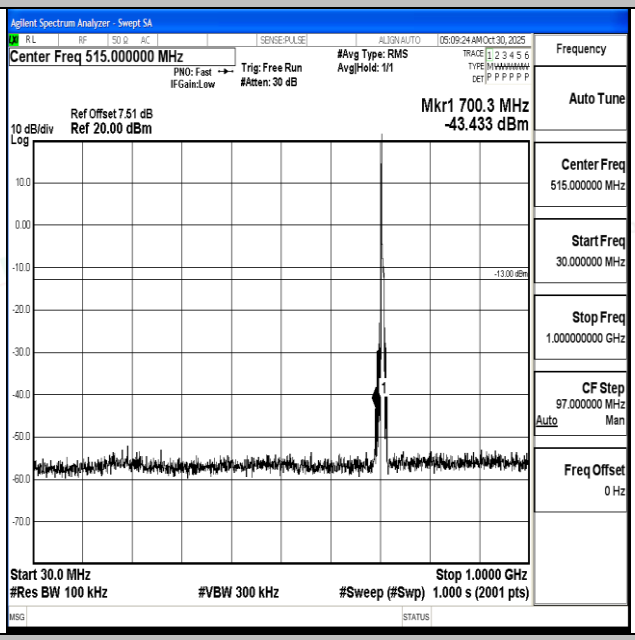


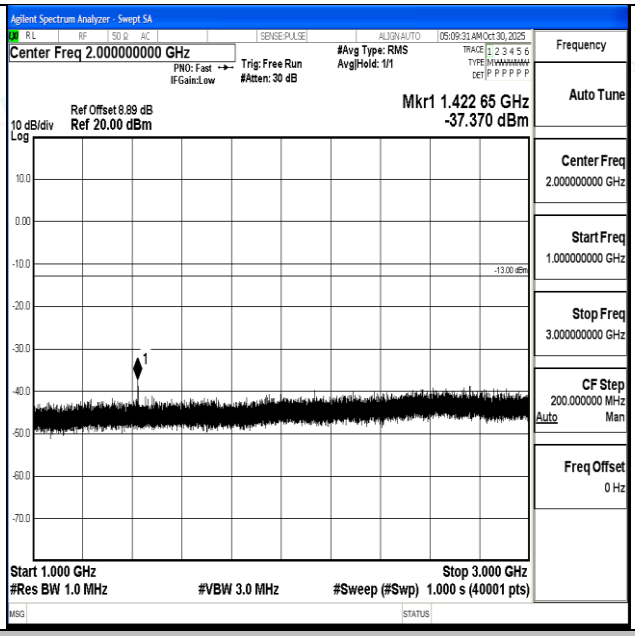
Band17_5MHz_16QAM_23825_1RB#0_0.009~0.15_0.009~0.15



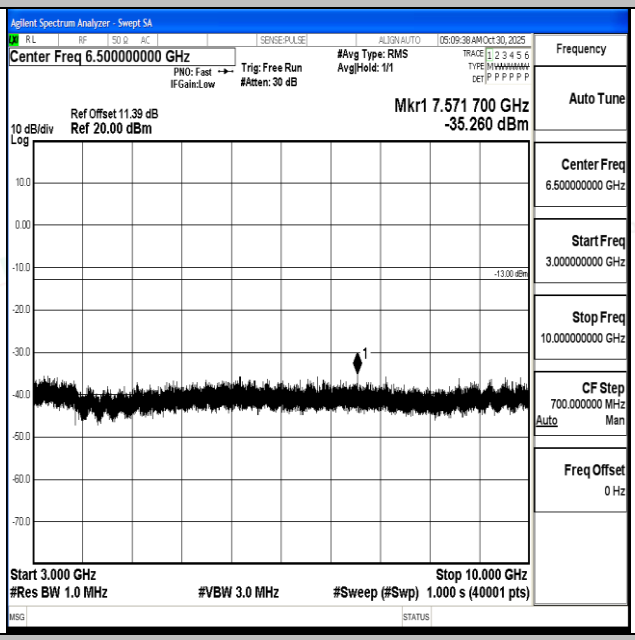
Band17_5MHz_16QAM_23825_1RB#0_0.15~30_0.15~30



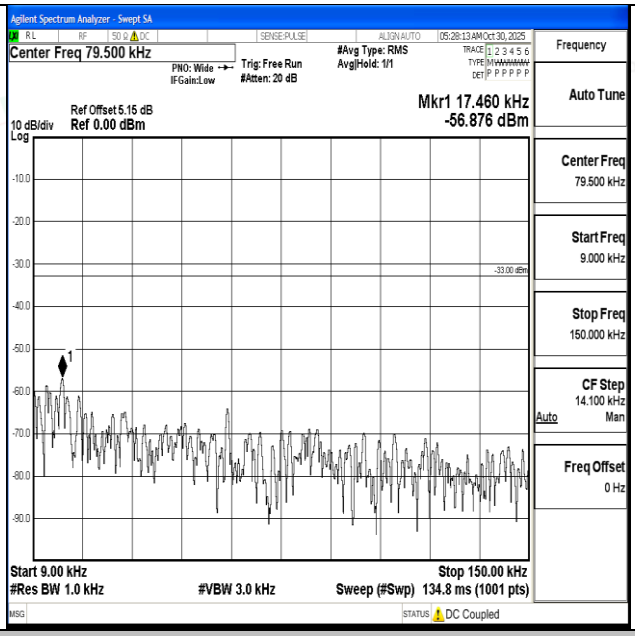
Band17_5MHz_16QAM_23825_1RB#0_30~1000_30~1000



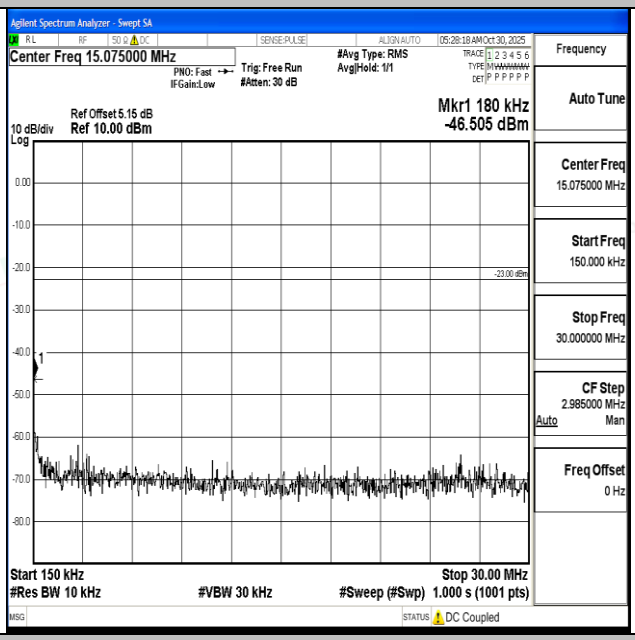
Band17_5MHz_16QAM_23825_1RB#0_1000~3000_1000~3000



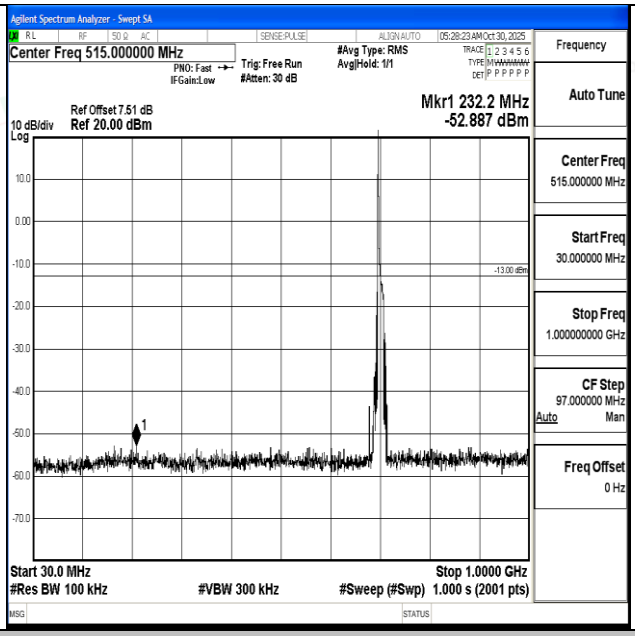
Band17_5MHz_16QAM_23825_1RB#0_3000~10000_3000~10000



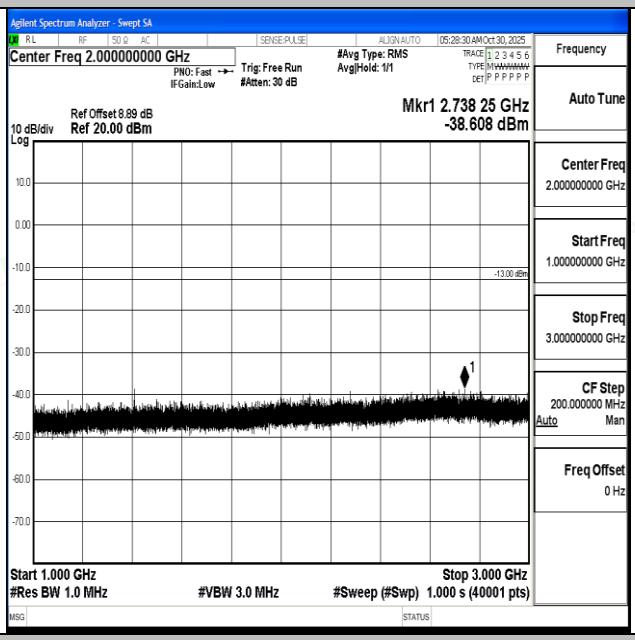
Band17_10MHz_QPSK_23780_1RB#0_0.009~0.15_0.009~0.15



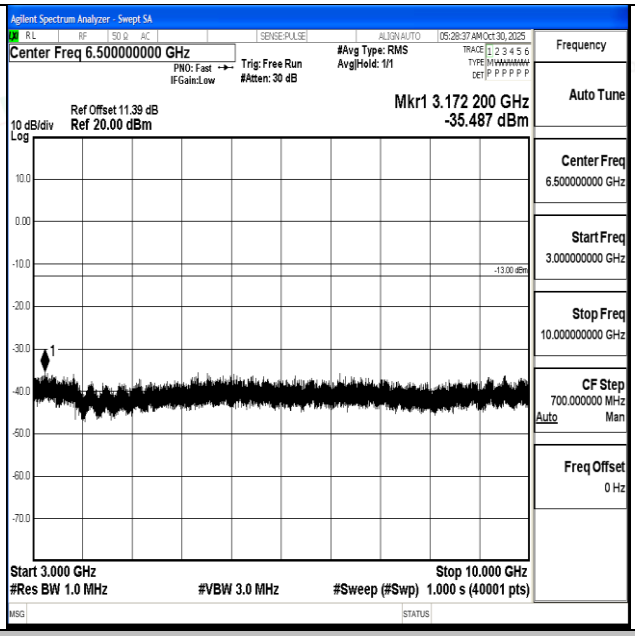
Band17_10MHz_QPSK_23780_1RB#0_0.15~30_0.15~30



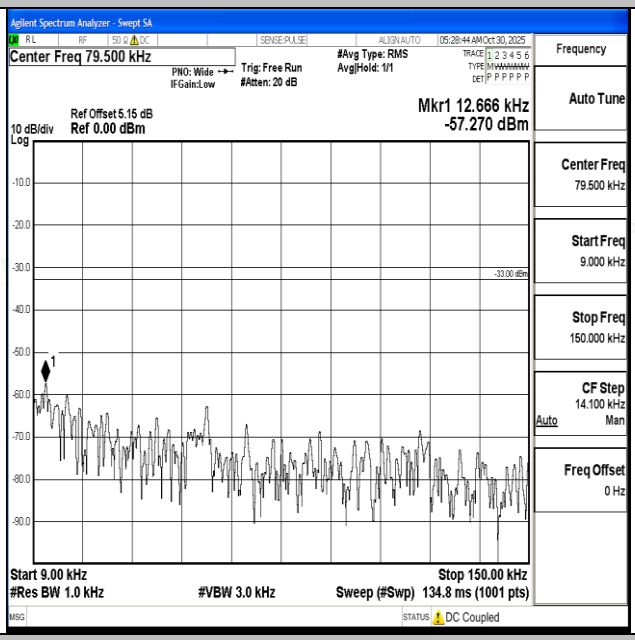
Band17_10MHz_QPSK_23780_1RB#0_30~1000_30~1000



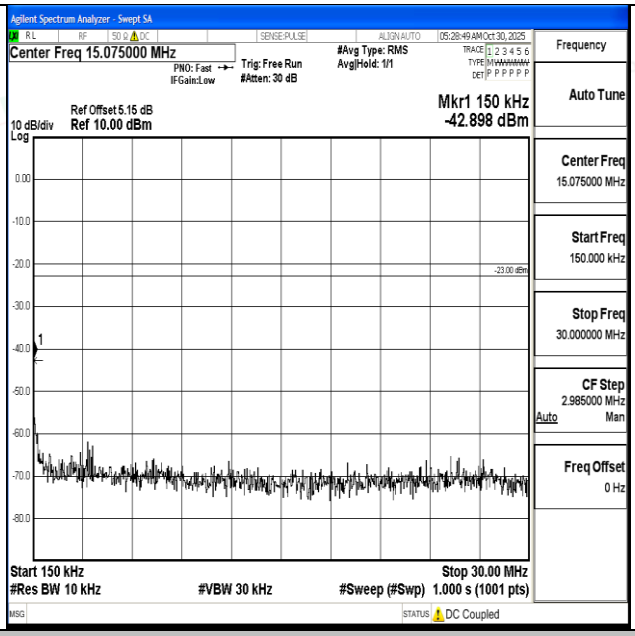
Band17_10MHz_QPSK_23780_1RB#0_1000~3000_1000~3000



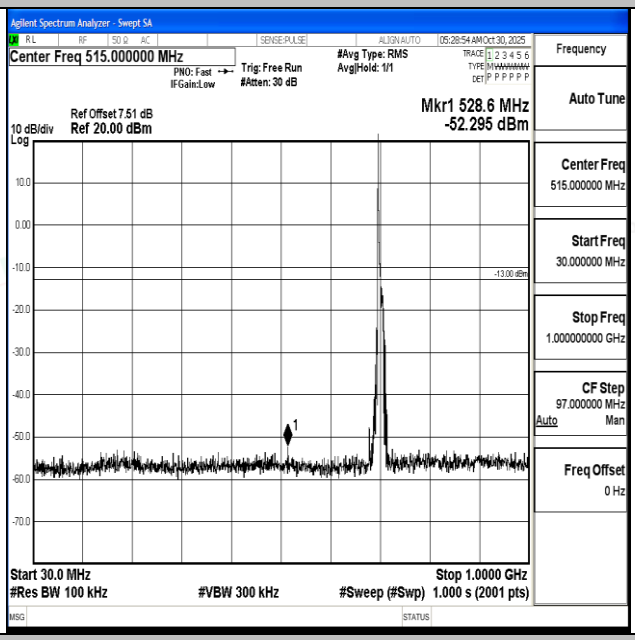
Band17_10MHz_QPSK_23780_1RB#0_3000~10000_3000~10000



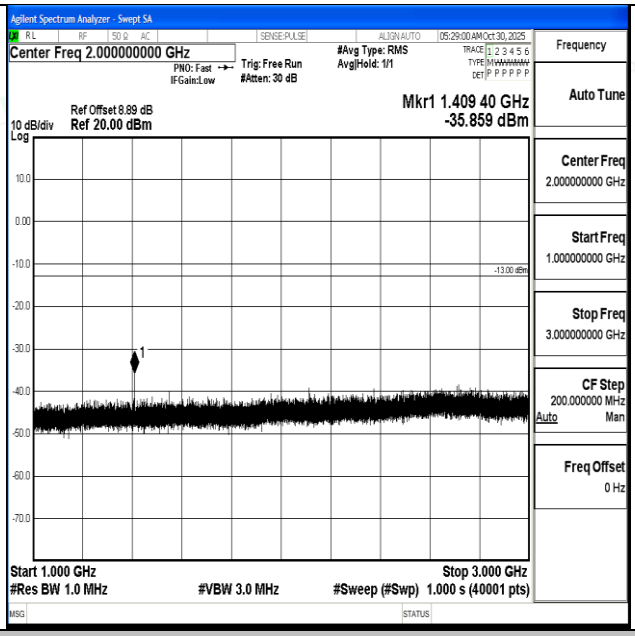
Band17_10MHz_16QAM_23780_1RB#0_0.009~0.15_0.009~0.15



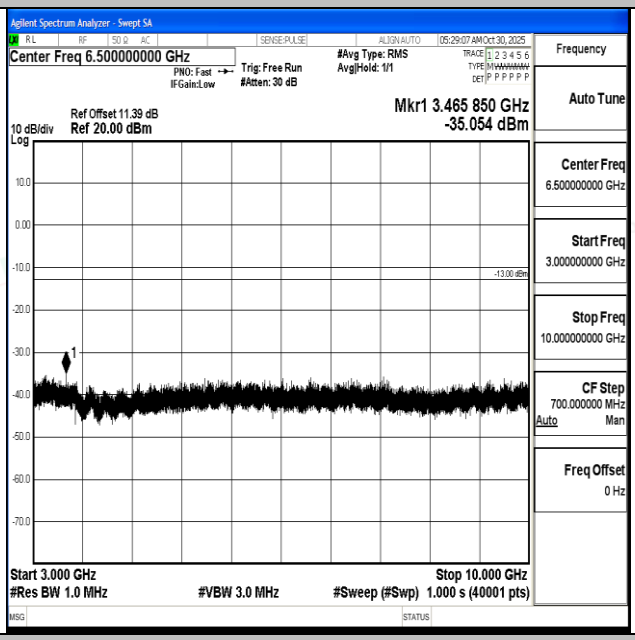
Band17_10MHz_16QAM_23780_1RB#0_0.15~30_0.15~30



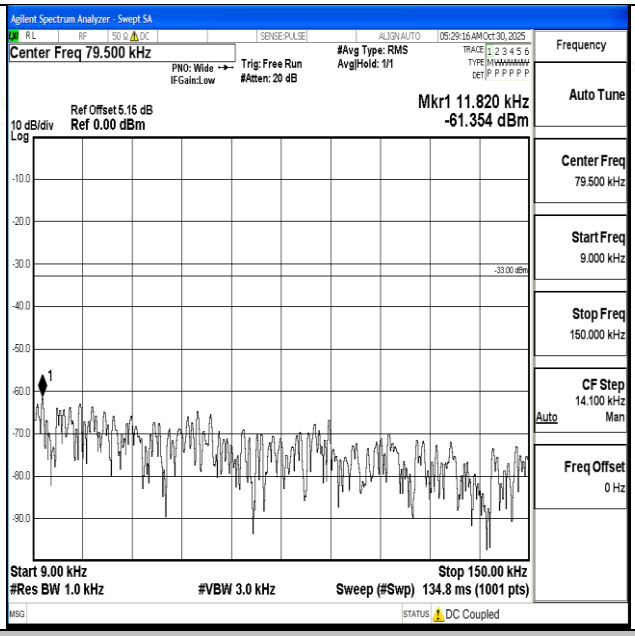
Band17_10MHz_16QAM_23780_1RB#0_30~1000_30~1000



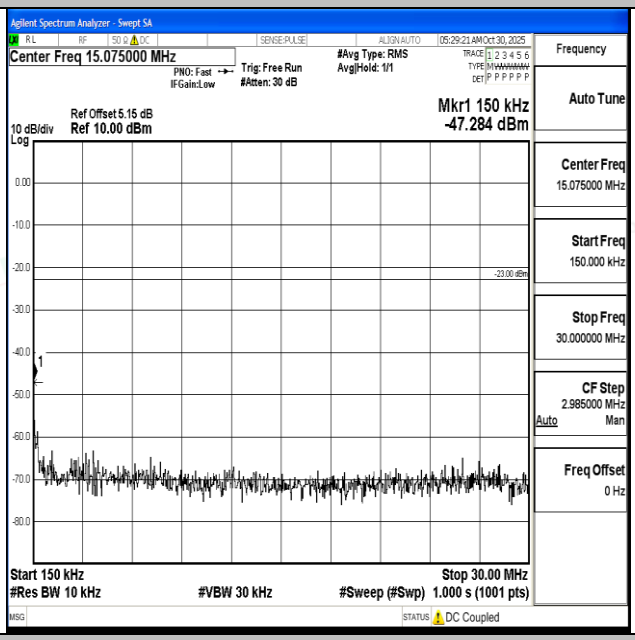
Band17_10MHz_16QAM_23780_1RB#0_1000~3000_1000~3000



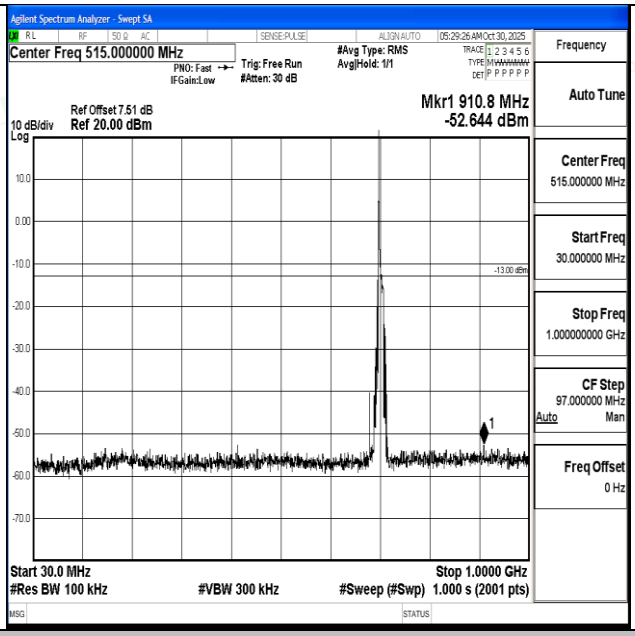
Band17_10MHz_16QAM_23780_1RB#0_3000~10000_3000~10000



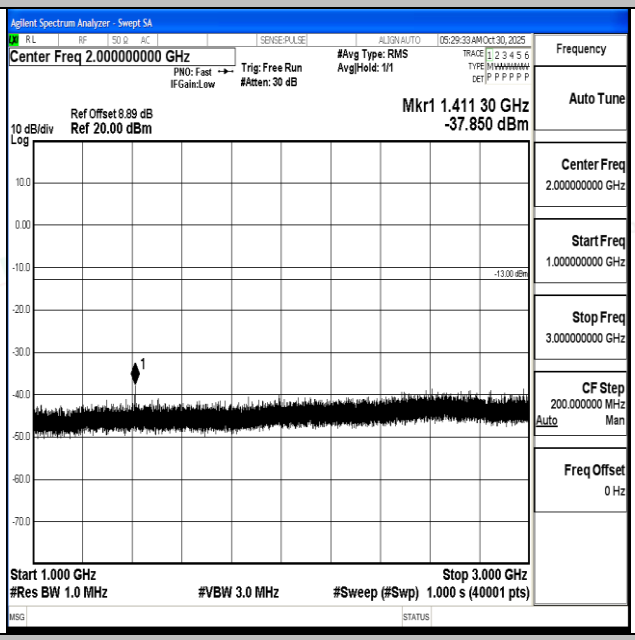
Band17_10MHz_QPSK_23790_1RB#0_0.009~0.15_0.009~0.15



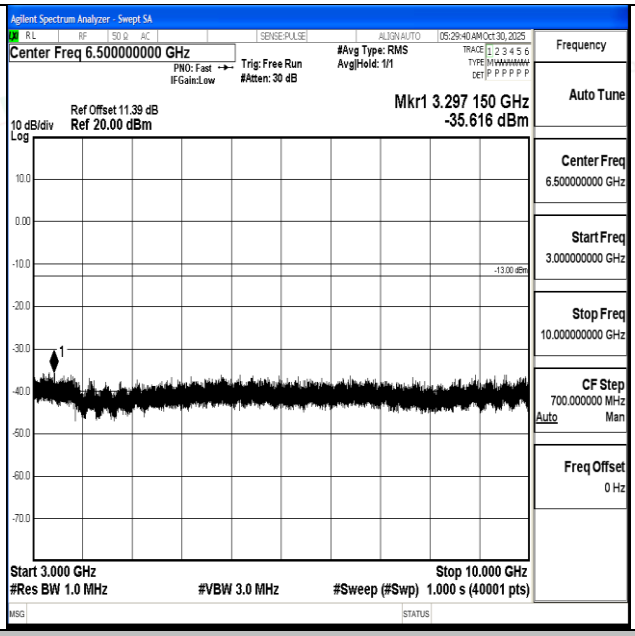
Band17_10MHz_QPSK_23790_1RB#0_0.15~30_0.15~30



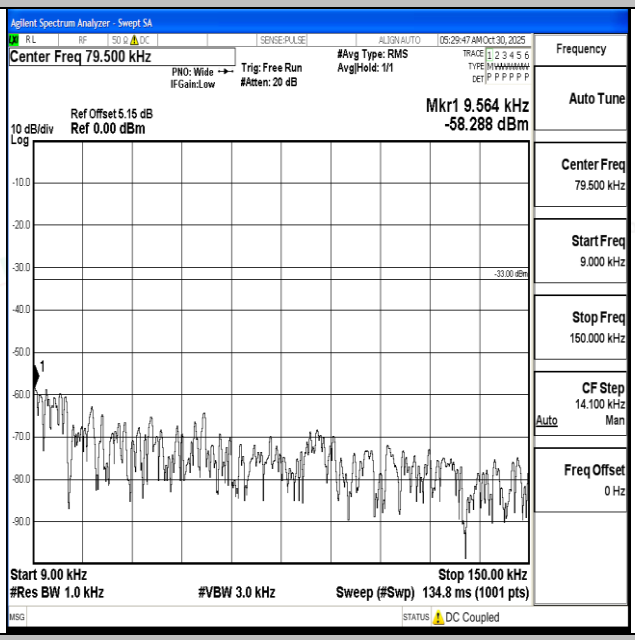
Band17_10MHz_QPSK_23790_1RB#0_30~1000_30~1000



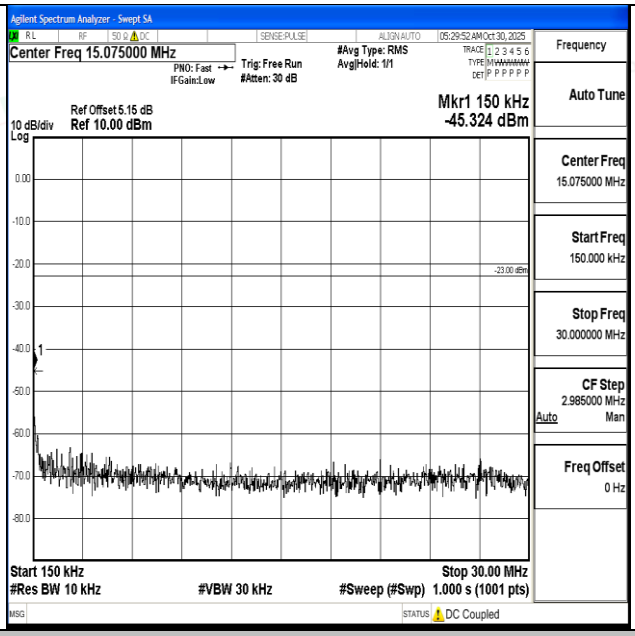
Band17_10MHz_QPSK_23790_1RB#0_1000~3000_1000~3000



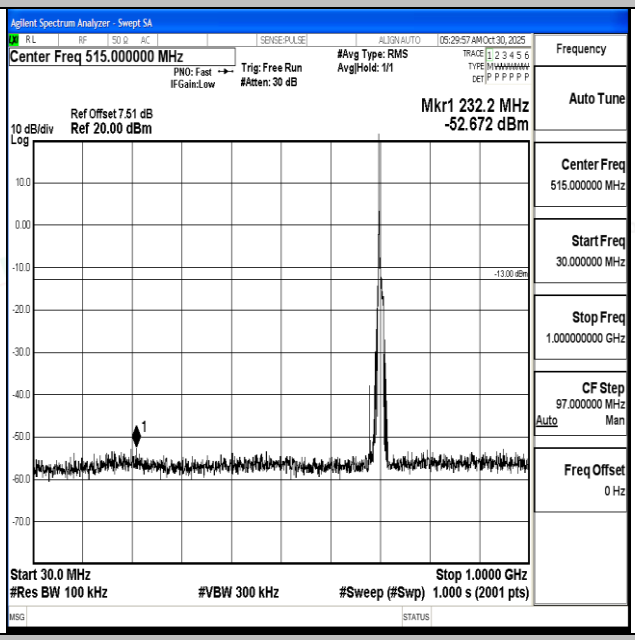
Band17_10MHz_QPSK_23790_1RB#0_3000~10000_3000~10000



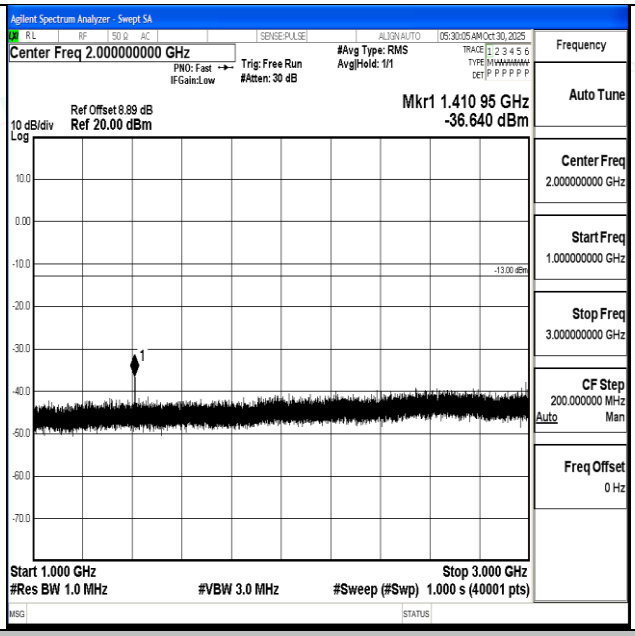
Band17_10MHz_16QAM_23790_1RB#0_0.009~0.15_0.009~0.15



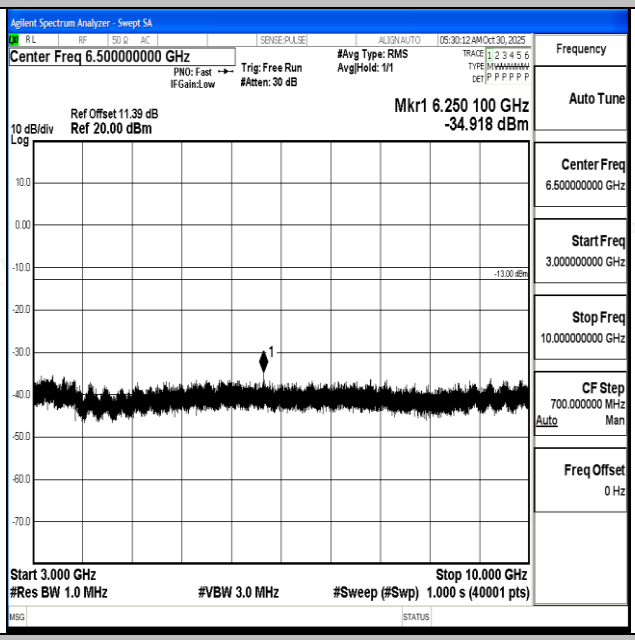
Band17_10MHz_16QAM_23790_1RB#0_0.15~30_0.15~30



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