



Appendix M: Test Data for E-UTRA Band 17

Product Name: fixed wireless phone

Test Model: F151

Environmental Conditions

Temperature:	24.3°C
Relative Humidity:	55.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Can Kun



M.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.47	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.75	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.43	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.58	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.57	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.55	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.55	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.68	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.97	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.73	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.60	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.66	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.56	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.54	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.48	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.67	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.33	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.45	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.53	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.44	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.43	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.50	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.89	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.37	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.54	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.50	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.43	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.53	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.33	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.63	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.24	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.37	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.44	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.32	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.37	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.39	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.91	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.29	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.38	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.50	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.29	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.45	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.54	PASS



Band17	10MHz	QPSK	23780	1RB#24	23.70	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.35	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.59	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.58	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.48	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.48	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.45	PASS
Band17	10MHz	16QAM	23780	1RB#24	23.01	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.31	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.69	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.61	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.59	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.56	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.45	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.59	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.27	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.57	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.57	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.41	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.51	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.62	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.87	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.41	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.60	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.59	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.46	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.55	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.44	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.63	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.34	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.57	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.56	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.39	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.48	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.62	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.95	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.46	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.63	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.56	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.47	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.55	PASS



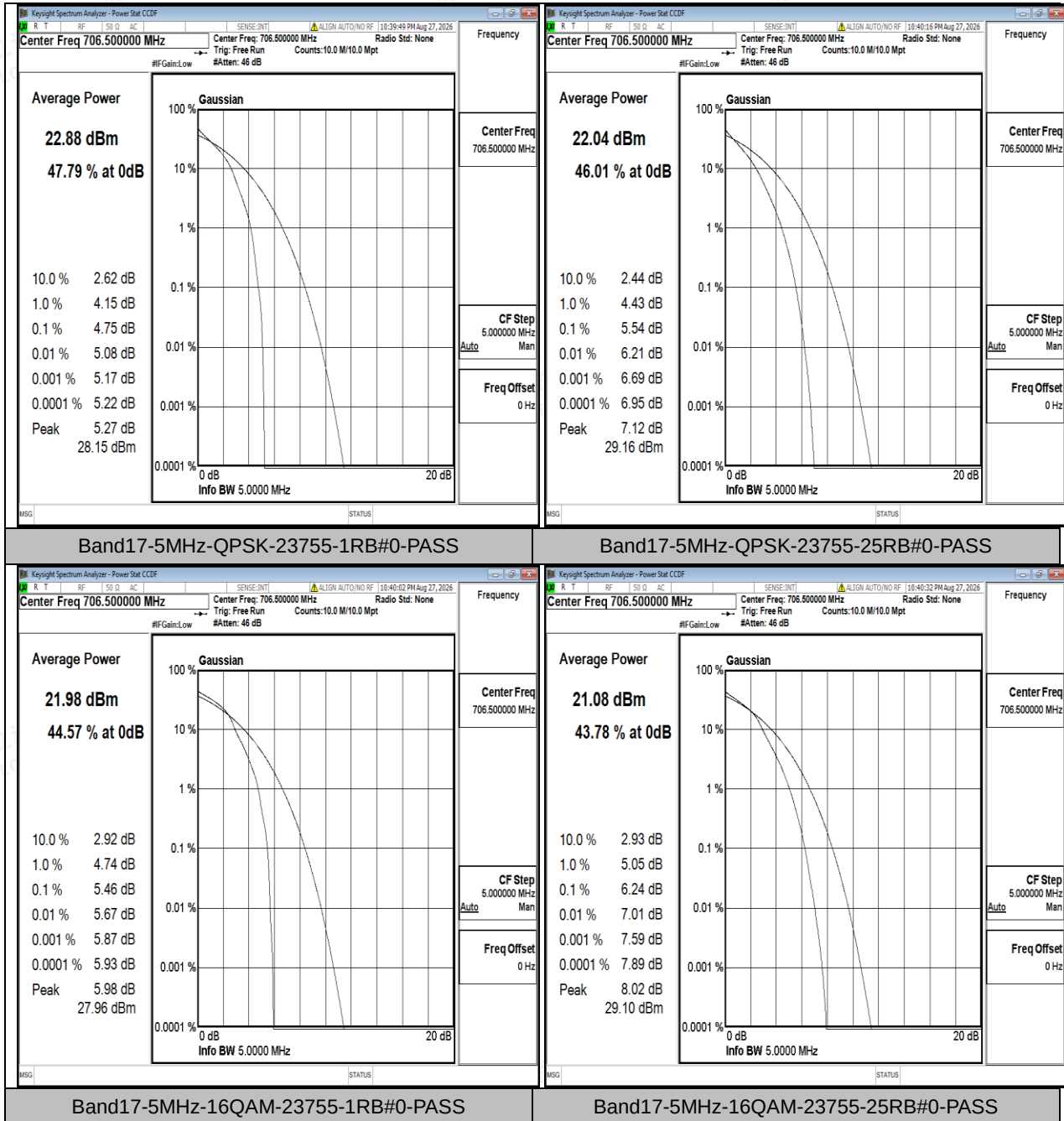
M.2 Peak-to-Average Ratio(CCDF)

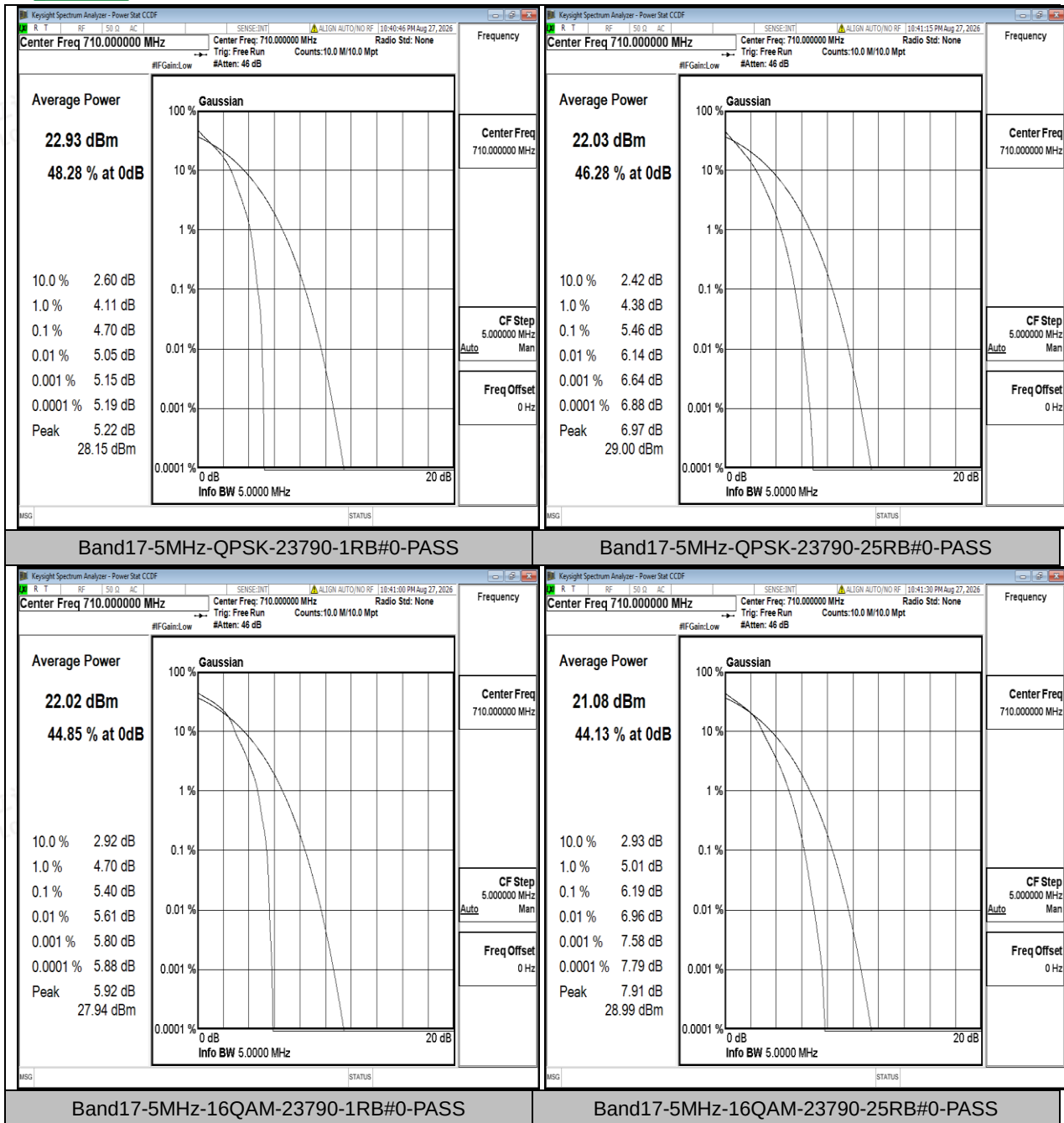
Test Result

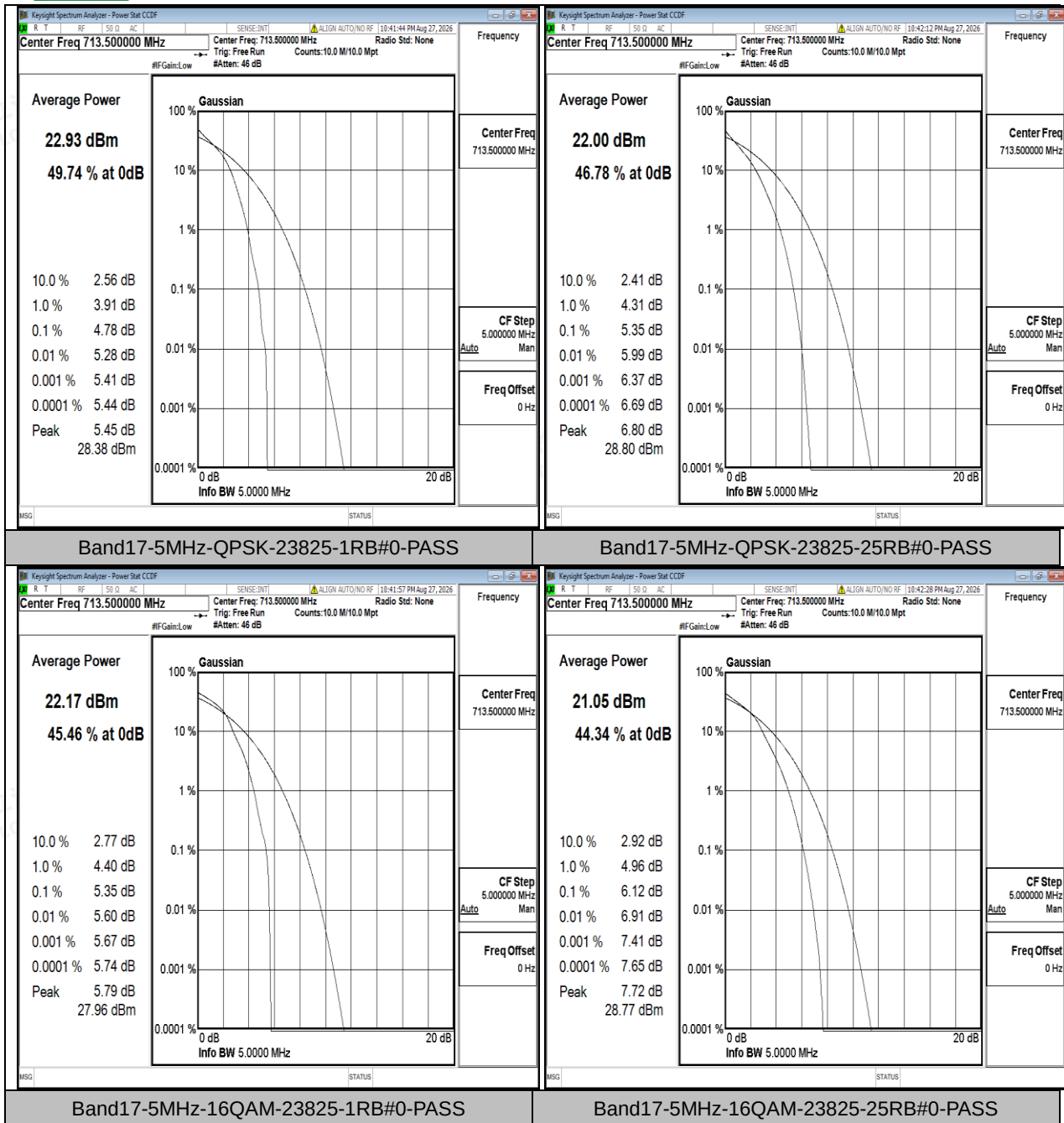
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	4.75	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	5.54	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.46	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.24	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	4.70	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.46	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.40	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.19	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.78	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	5.35	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.35	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.12	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	4.56	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.44	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.65	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.20	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	4.59	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.38	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.36	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.17	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	4.79	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.39	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.66	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.18	13	PASS

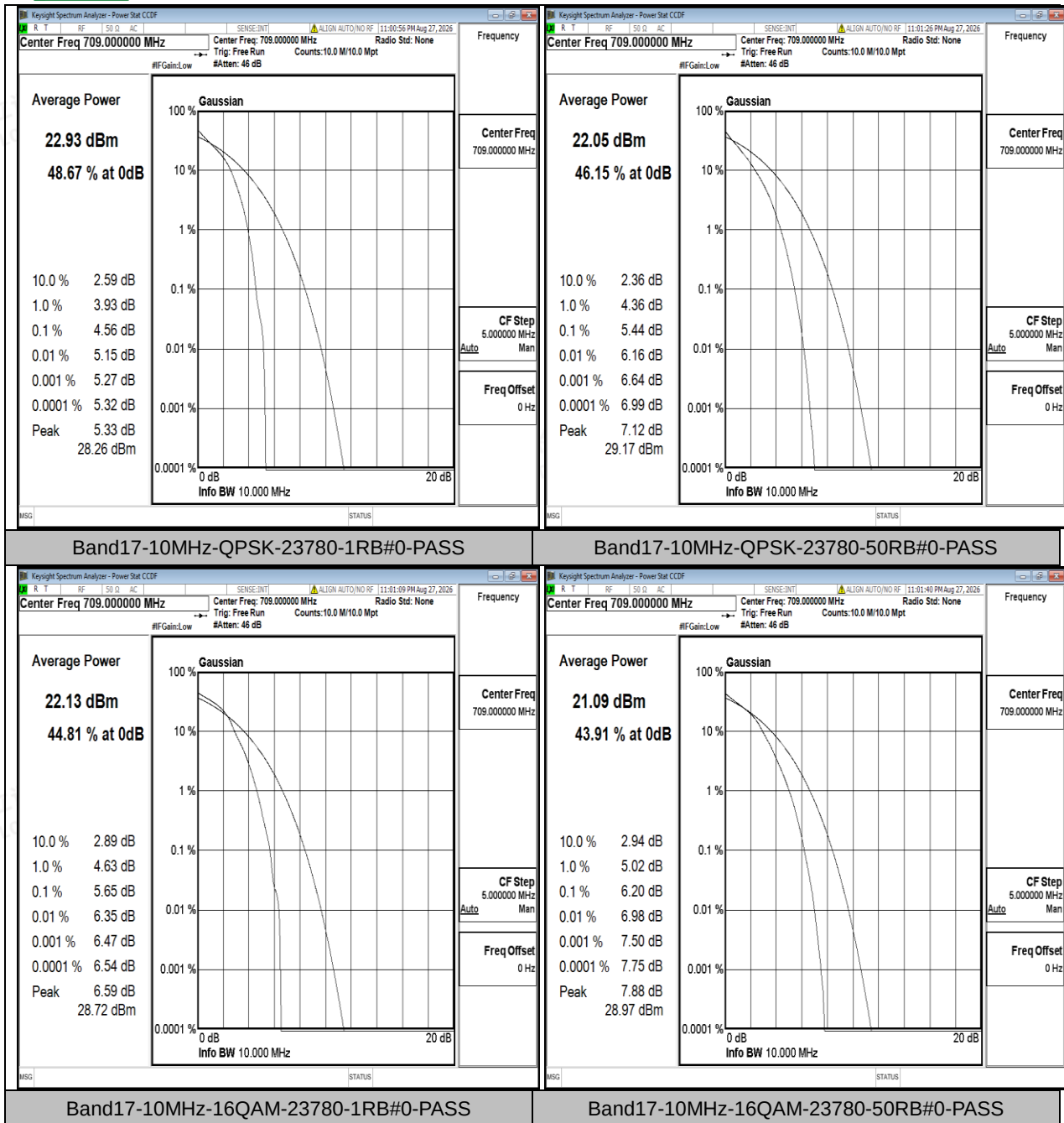


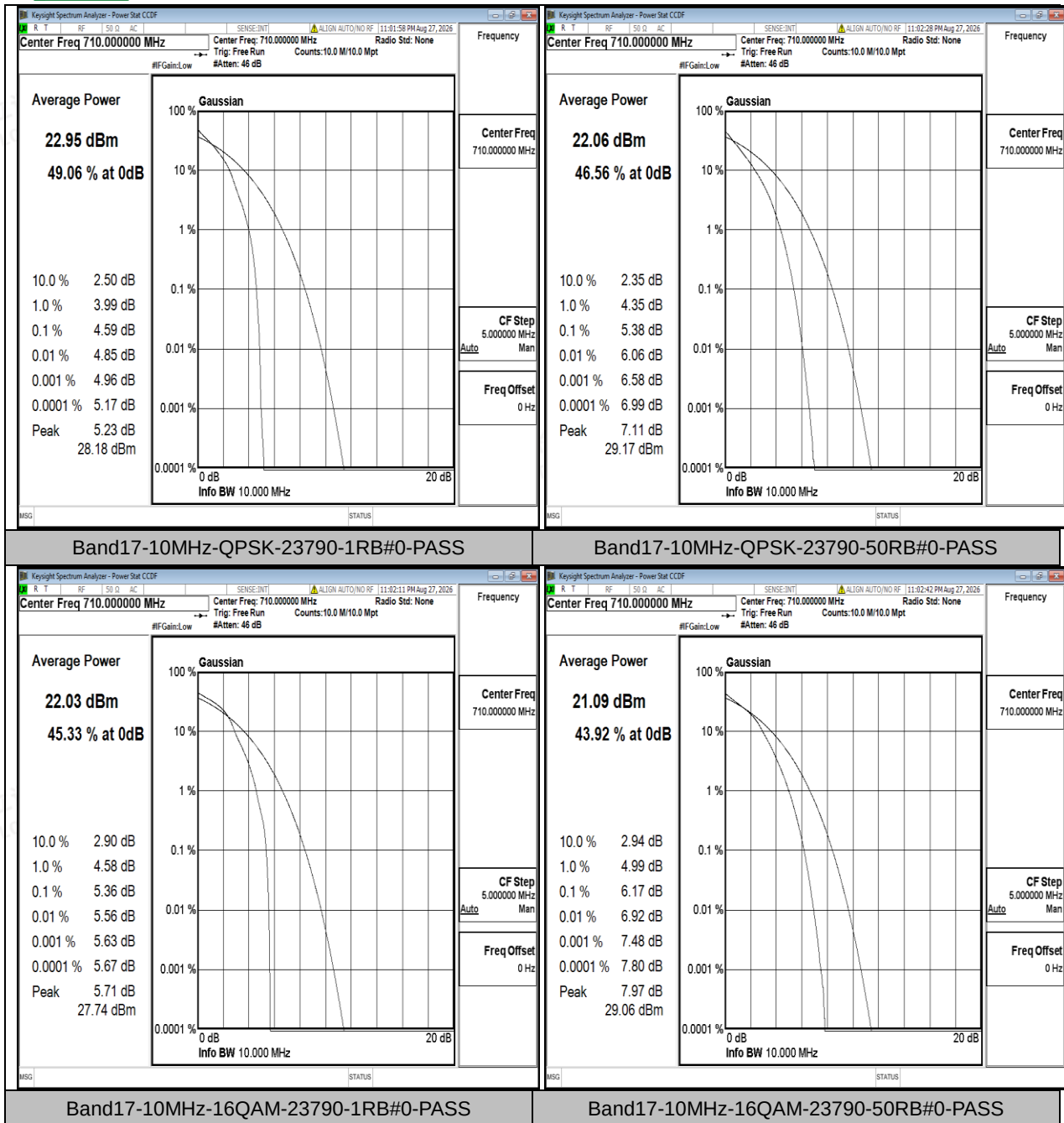
Test Graphs

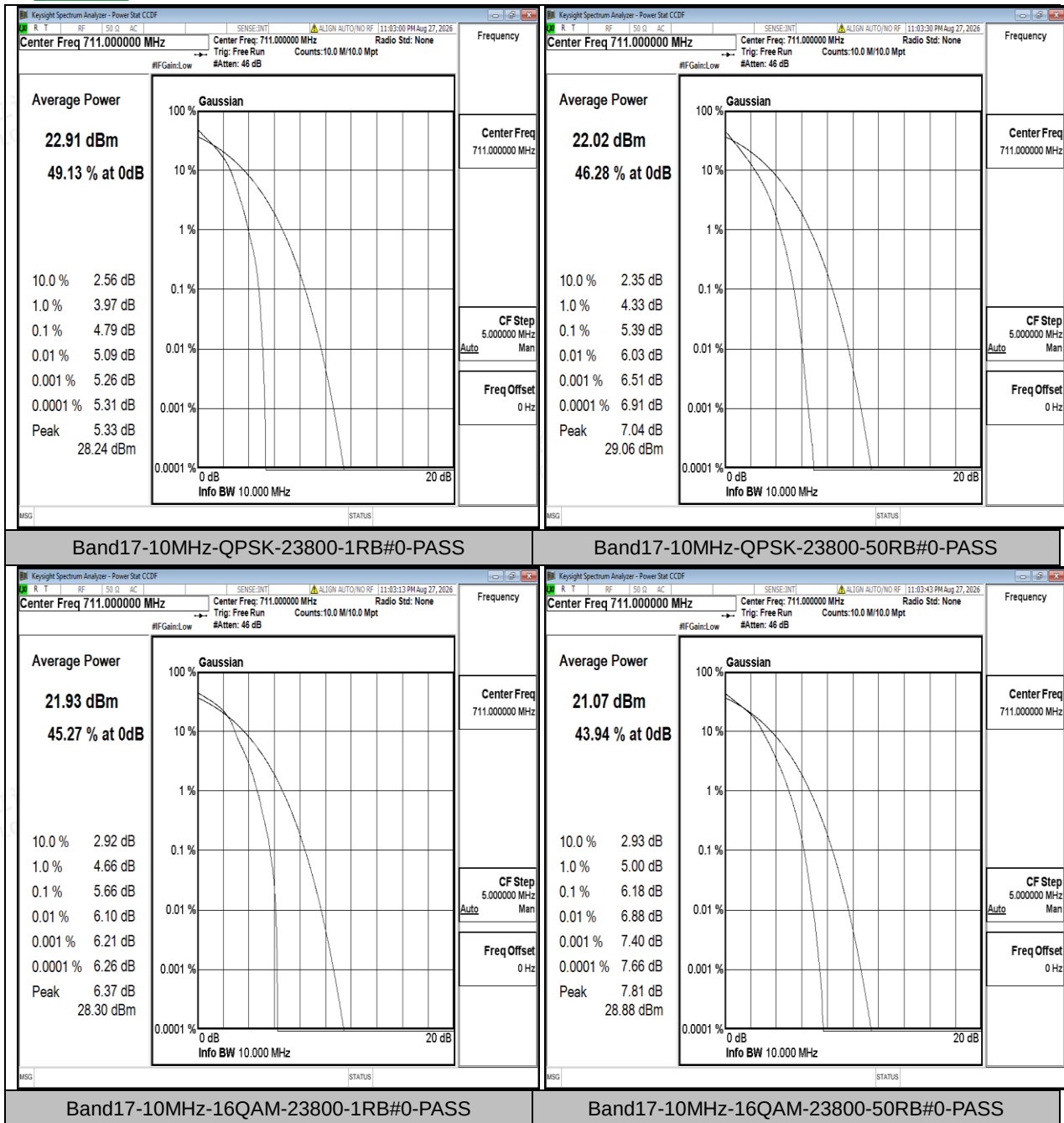














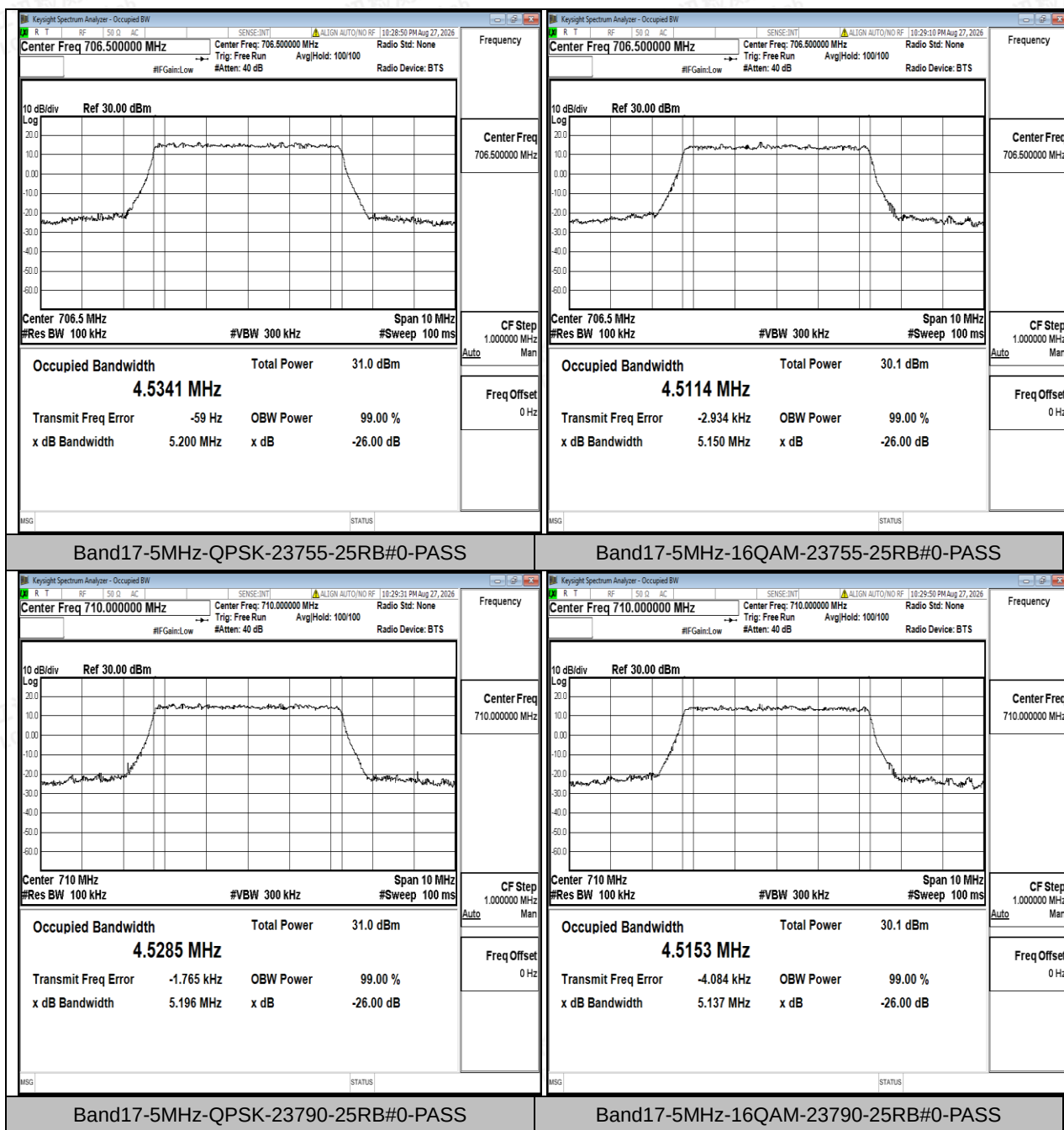
M.3 26dB Bandwidth and Occupied Bandwidth

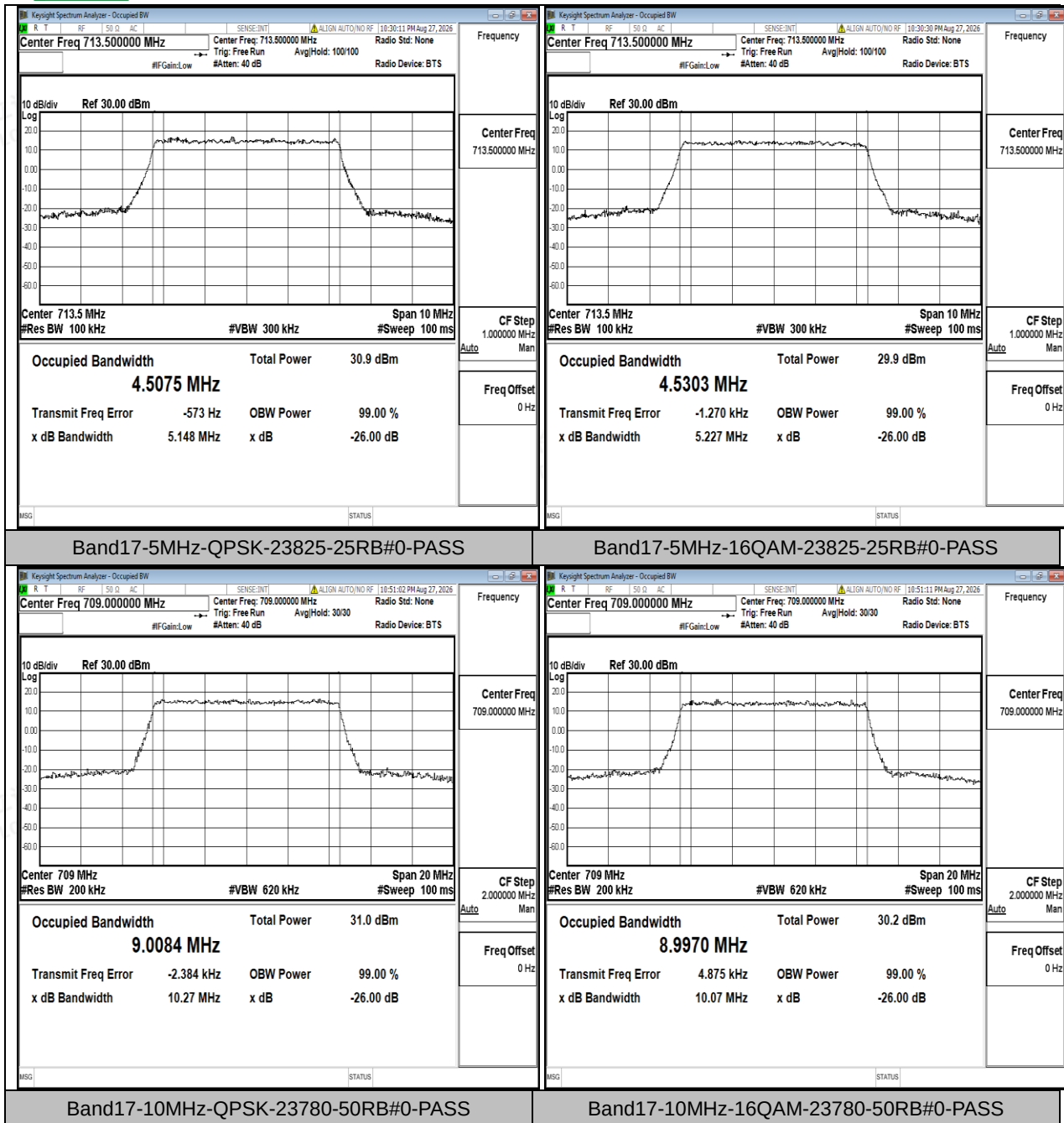
Test Result

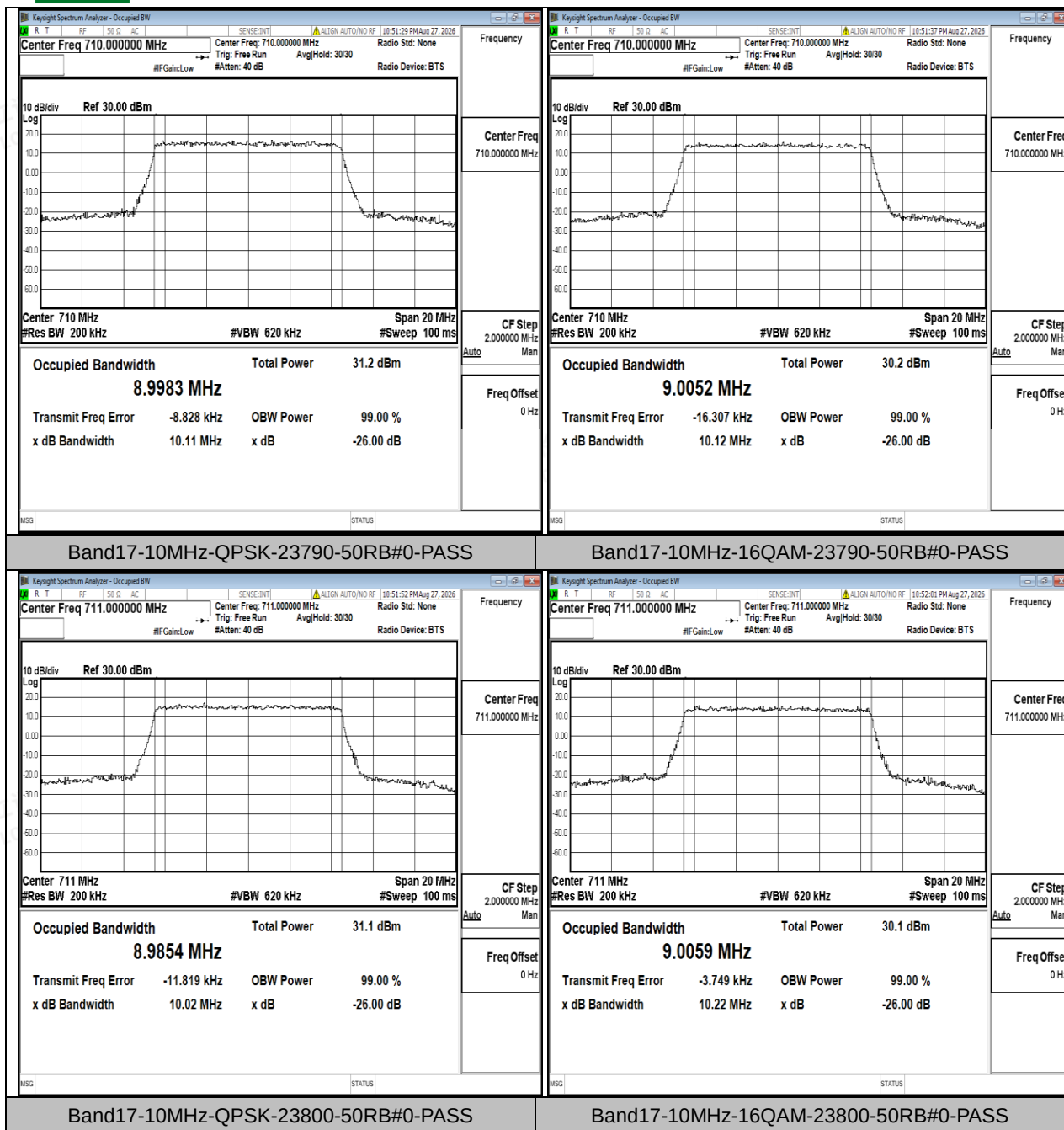
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5341	5.200	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5114	5.150	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5285	5.196	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5153	5.137	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5075	5.148	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5303	5.227	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.0084	10.27	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9970	10.07	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9983	10.11	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.0052	10.12	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9854	10.02	PASS
Band17	10MHz	16QAM	23800	50RB#0	9.0059	10.22	PASS



Test Graphs







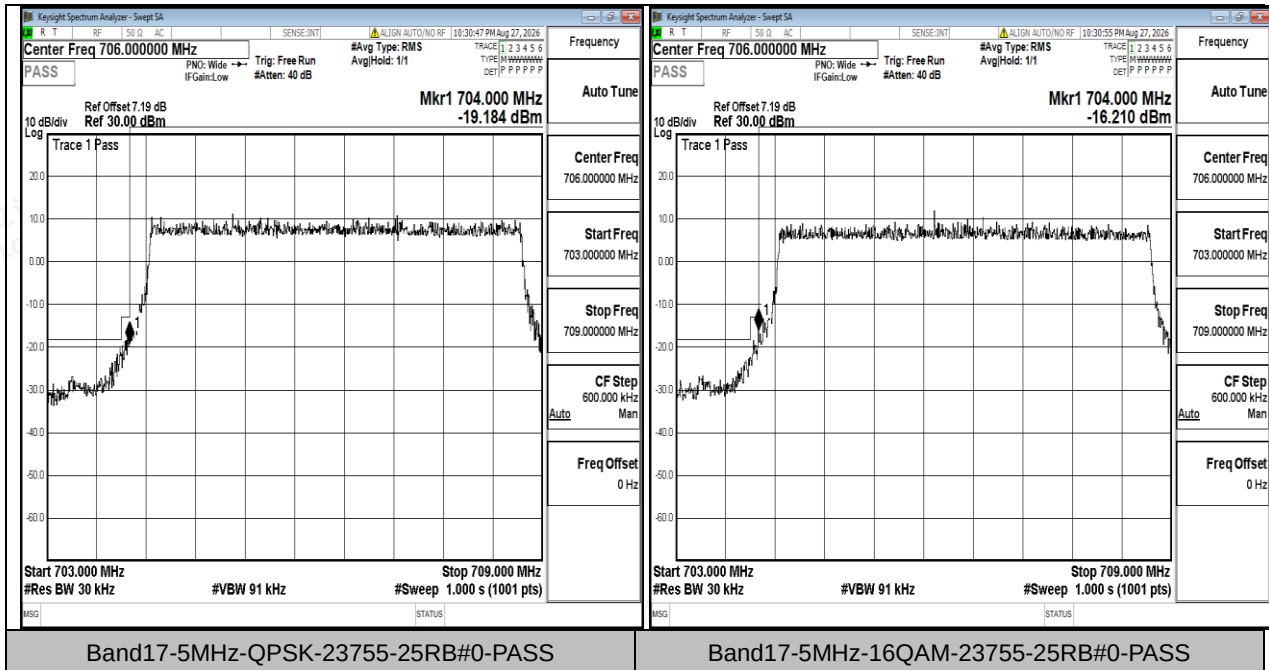


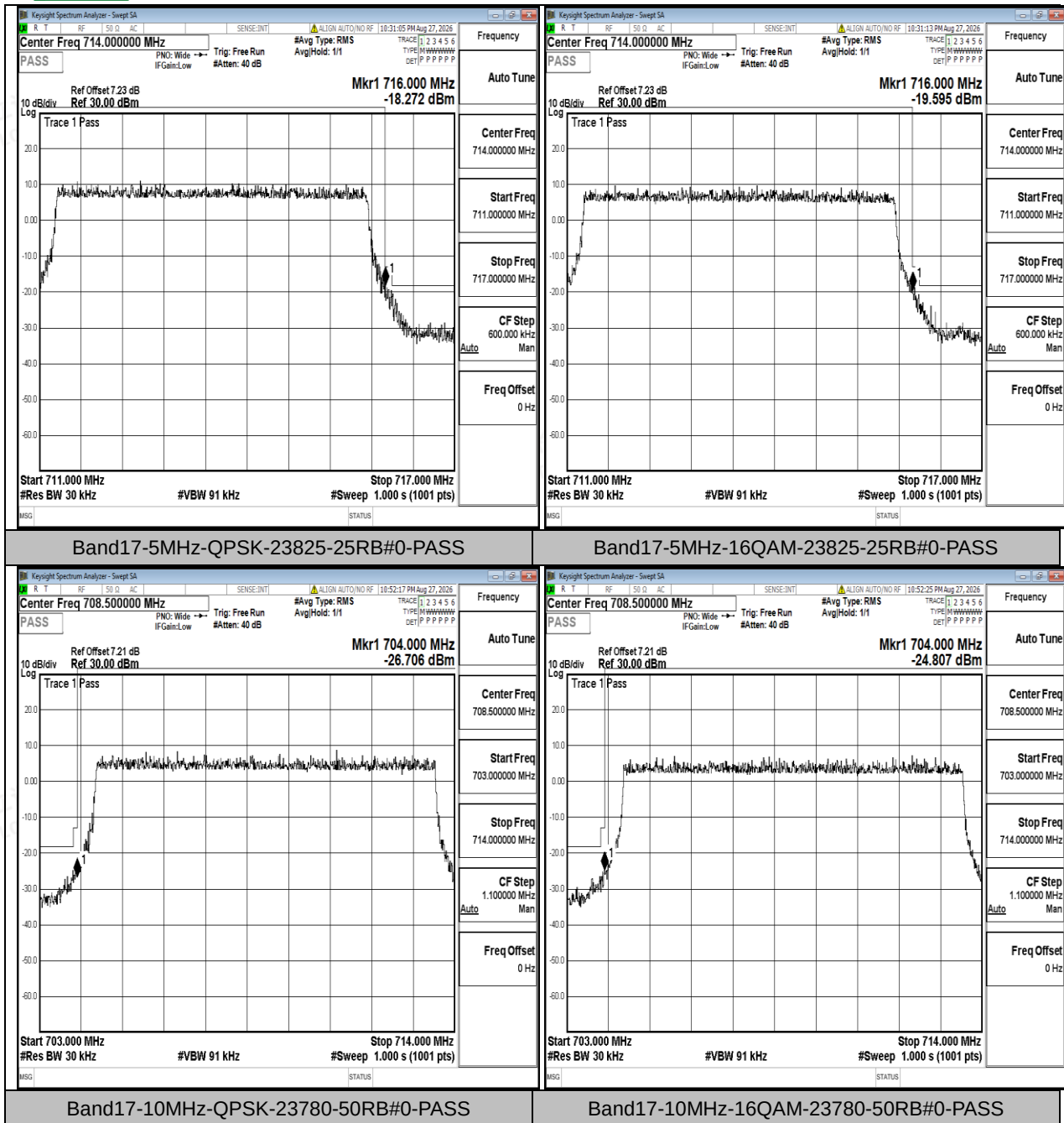
M.4 Band Edge

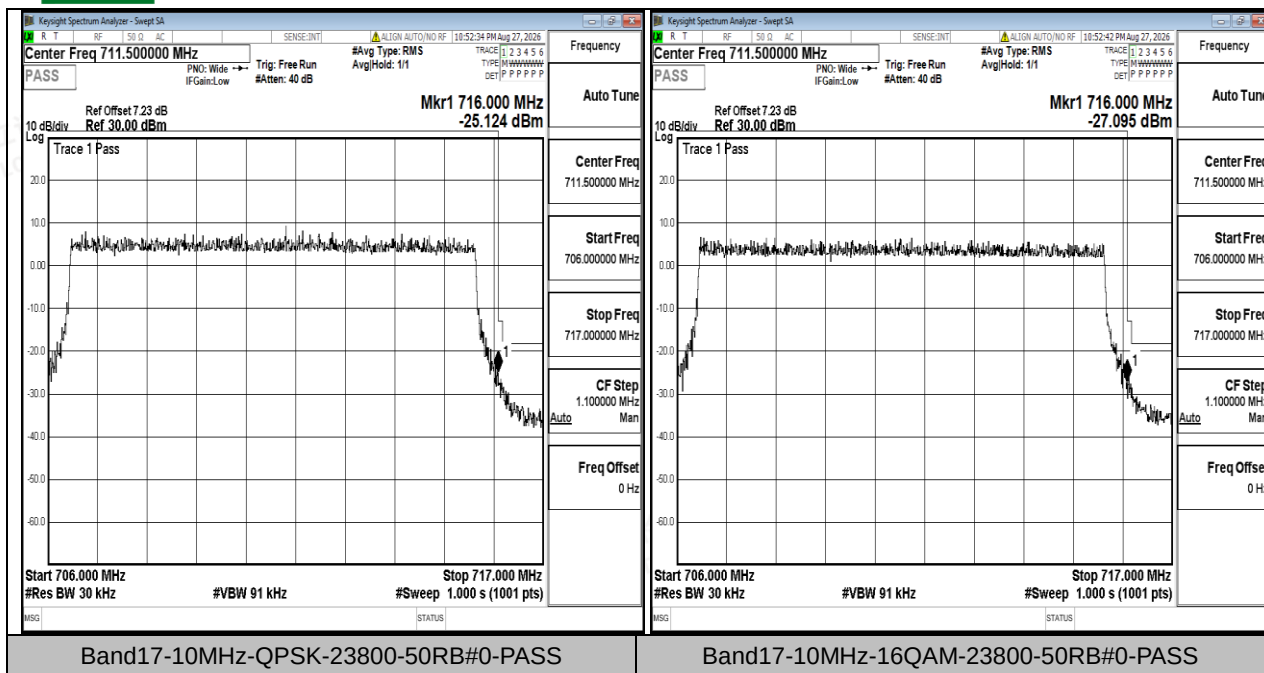
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Margin (dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	-20.00	1.80	PASS
Band17	5MHz	16QAM	23755	25RB#0	-23.00	4.80	PASS
Band17	5MHz	QPSK	23825	25RB#0	-20.00	1.80	PASS
Band17	5MHz	16QAM	23825	25RB#0	-23.00	4.80	PASS
Band17	10MHz	QPSK	23780	50RB#0	-26.00	7.80	PASS
Band17	10MHz	16QAM	23780	50RB#0	-27.00	8.80	PASS
Band17	10MHz	QPSK	23800	50RB#0	-28.00	9.80	PASS
Band17	10MHz	16QAM	23800	50RB#0	-31.00	12.80	PASS

Test Graphs









M.5 Conducted Spurious Emission

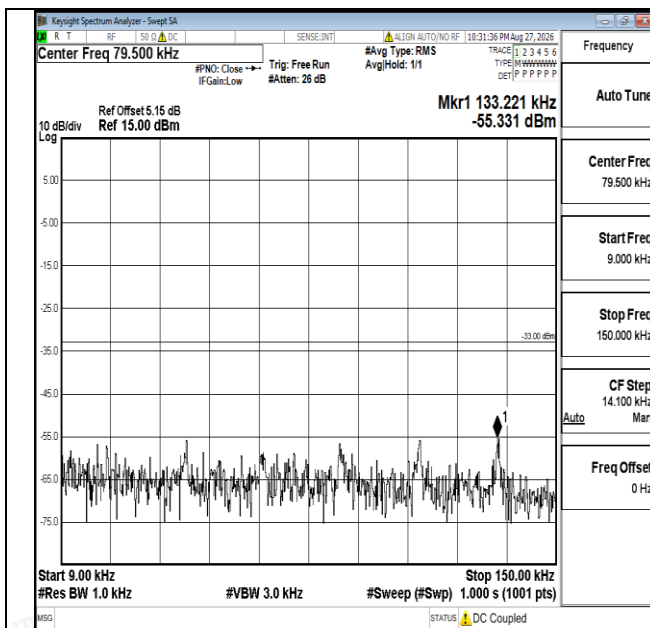
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Limit (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	0.009~0.15	-55.33	-33.0	PASS
Band17	5MHz	QPSK	23755	1RB#0	0.15~30	-51.63	-23.0	PASS
Band17	5MHz	QPSK	23755	1RB#0	30~1000	-29.64	-13.0	PASS
Band17	5MHz	QPSK	23755	1RB#0	1000~3000	-36.06	-13.0	PASS
Band17	5MHz	QPSK	23755	1RB#0	3000~10000	-34.72	-13.0	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.009~0.15	-54.43	-33.0	PASS
Band17	5MHz	16QAM	23755	1RB#0	0.15~30	-49.36	-23.0	PASS
Band17	5MHz	16QAM	23755	1RB#0	30~1000	-31.48	-13.0	PASS
Band17	5MHz	16QAM	23755	1RB#0	1000~3000	-36.96	-13.0	PASS
Band17	5MHz	16QAM	23755	1RB#0	3000~10000	-34.17	-13.0	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.009~0.15	-54.83	-33.0	PASS
Band17	5MHz	QPSK	23790	1RB#0	0.15~30	-50.72	-23.0	PASS
Band17	5MHz	QPSK	23790	1RB#0	30~1000	-32.69	-13.0	PASS
Band17	5MHz	QPSK	23790	1RB#0	1000~3000	-35.76	-13.0	PASS
Band17	5MHz	QPSK	23790	1RB#0	3000~10000	-34.97	-13.0	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.009~0.15	-53.62	-33.0	PASS
Band17	5MHz	16QAM	23790	1RB#0	0.15~30	-49.24	-23.0	PASS
Band17	5MHz	16QAM	23790	1RB#0	30~1000	-43.85	-13.0	PASS
Band17	5MHz	16QAM	23790	1RB#0	1000~3000	-34.53	-13.0	PASS
Band17	5MHz	16QAM	23790	1RB#0	3000~10000	-34.68	-13.0	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.009~0.15	-53.45	-33.0	PASS
Band17	5MHz	QPSK	23825	1RB#0	0.15~30	-48.85	-23.0	PASS
Band17	5MHz	QPSK	23825	1RB#0	30~1000	-27.11	-13.0	PASS
Band17	5MHz	QPSK	23825	1RB#0	1000~3000	-33.80	-13.0	PASS
Band17	5MHz	QPSK	23825	1RB#0	3000~10000	-34.93	-13.0	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.009~0.15	-54.80	-33.0	PASS
Band17	5MHz	16QAM	23825	1RB#0	0.15~30	-51.83	-23.0	PASS
Band17	5MHz	16QAM	23825	1RB#0	30~1000	-32.80	-13.0	PASS
Band17	5MHz	16QAM	23825	1RB#0	1000~3000	-35.70	-13.0	PASS
Band17	5MHz	16QAM	23825	1RB#0	3000~10000	-34.57	-13.0	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.009~0.15	-54.55	-33.0	PASS
Band17	10MHz	QPSK	23780	1RB#0	0.15~30	-51.53	-23.0	PASS
Band17	10MHz	QPSK	23780	1RB#0	30~1000	-31.88	-13.0	PASS
Band17	10MHz	QPSK	23780	1RB#0	1000~3000	-36.36	-13.0	PASS
Band17	10MHz	QPSK	23780	1RB#0	3000~10000	-34.72	-13.0	PASS
Band17	10MHz	16QAM	23780	1RB#0	0.009~0.15	-54.54	-33.0	PASS

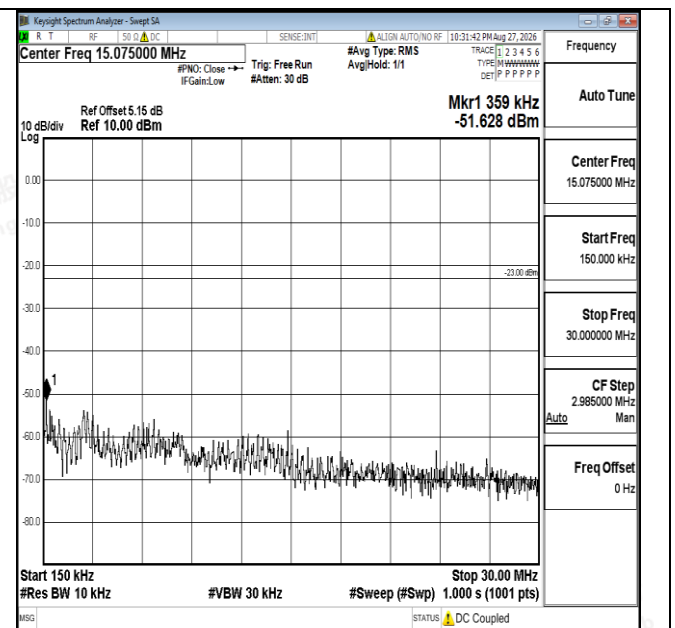


Band17	10MHz	16QAM	23780	1RB#0	0.15~30	-49.56	-23.0	PASS
Band17	10MHz	16QAM	23780	1RB#0	30~1000	-33.05	-13.0	PASS
Band17	10MHz	16QAM	23780	1RB#0	1000~3000	-37.77	-13.0	PASS
Band17	10MHz	16QAM	23780	1RB#0	3000~10000	-34.16	-13.0	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.009~0.15	-55.33	-33.0	PASS
Band17	10MHz	QPSK	23790	1RB#0	0.15~30	-49.34	-23.0	PASS
Band17	10MHz	QPSK	23790	1RB#0	30~1000	-36.65	-13.0	PASS
Band17	10MHz	QPSK	23790	1RB#0	1000~3000	-36.91	-13.0	PASS
Band17	10MHz	QPSK	23790	1RB#0	3000~10000	-34.57	-13.0	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.009~0.15	-56.03	-33.0	PASS
Band17	10MHz	16QAM	23790	1RB#0	0.15~30	-48.32	-23.0	PASS
Band17	10MHz	16QAM	23790	1RB#0	30~1000	-35.89	-13.0	PASS
Band17	10MHz	16QAM	23790	1RB#0	1000~3000	-35.11	-13.0	PASS
Band17	10MHz	16QAM	23790	1RB#0	3000~10000	-34.81	-13.0	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.009~0.15	-54.70	-33.0	PASS
Band17	10MHz	QPSK	23800	1RB#0	0.15~30	-51.35	-23.0	PASS
Band17	10MHz	QPSK	23800	1RB#0	30~1000	-37.82	-13.0	PASS
Band17	10MHz	QPSK	23800	1RB#0	1000~3000	-35.70	-13.0	PASS
Band17	10MHz	QPSK	23800	1RB#0	3000~10000	-34.86	-13.0	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.009~0.15	-55.02	-33.0	PASS
Band17	10MHz	16QAM	23800	1RB#0	0.15~30	-51.74	-23.0	PASS
Band17	10MHz	16QAM	23800	1RB#0	30~1000	-36.88	-13.0	PASS
Band17	10MHz	16QAM	23800	1RB#0	1000~3000	-36.05	-13.0	PASS
Band17	10MHz	16QAM	23800	1RB#0	3000~10000	-34.93	-13.0	PASS

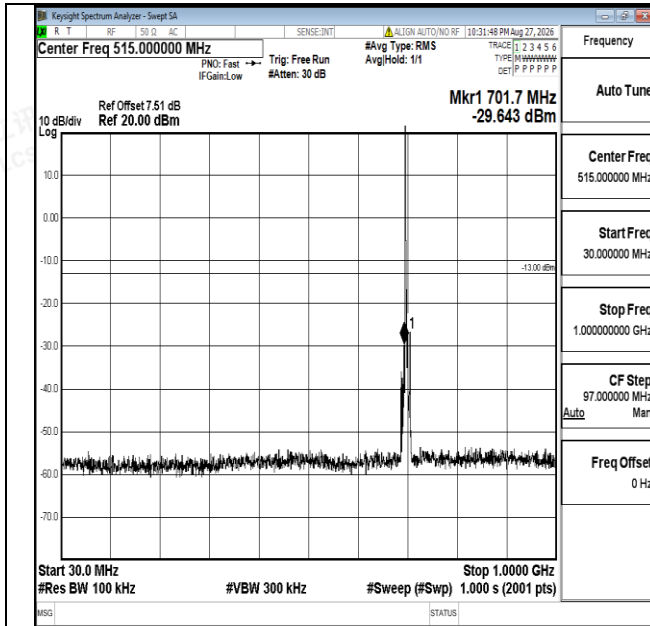
Test Graphs



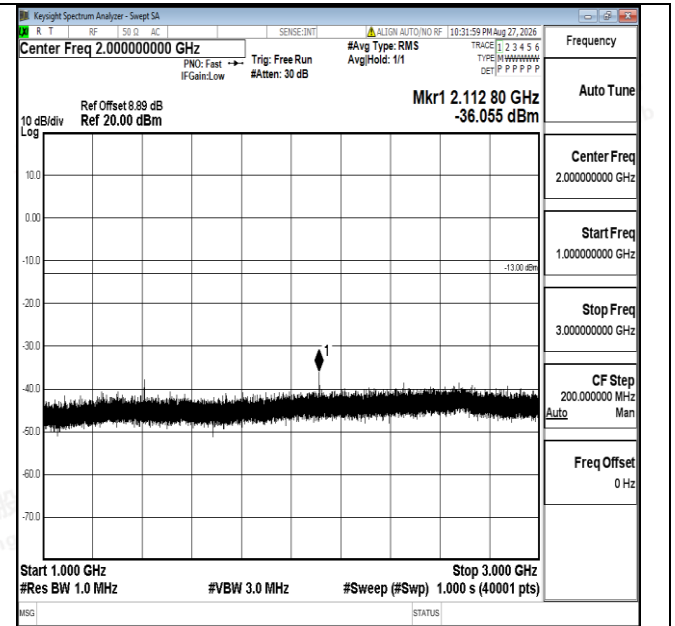
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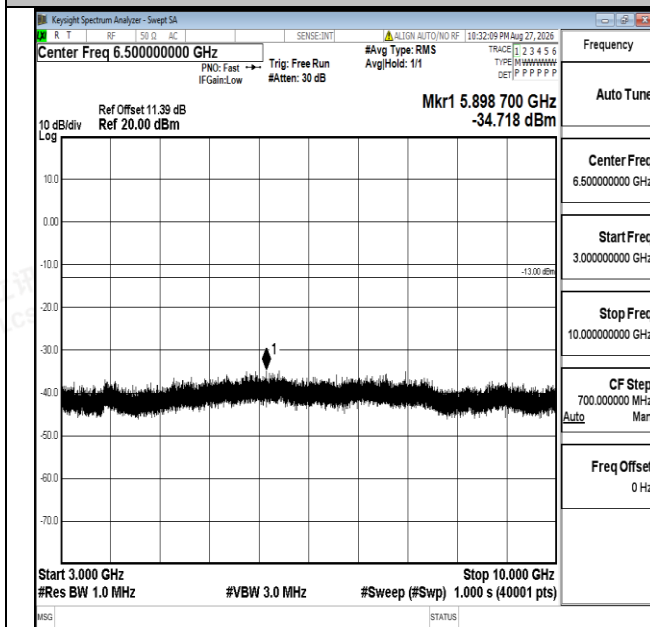
Band17-5MHz-QPSK-23755-1RB#0-0.15~30-PASS



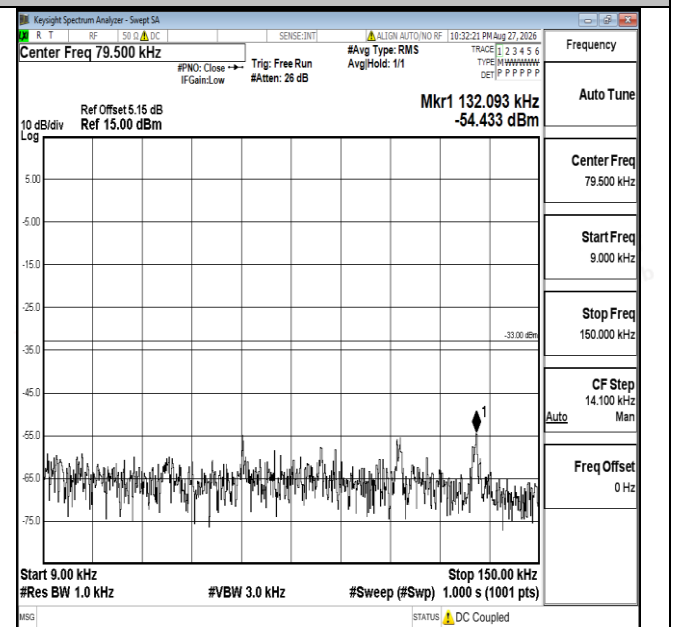
Band17-5MHz-QPSK-23755-1RB#0-30~1000-PASS



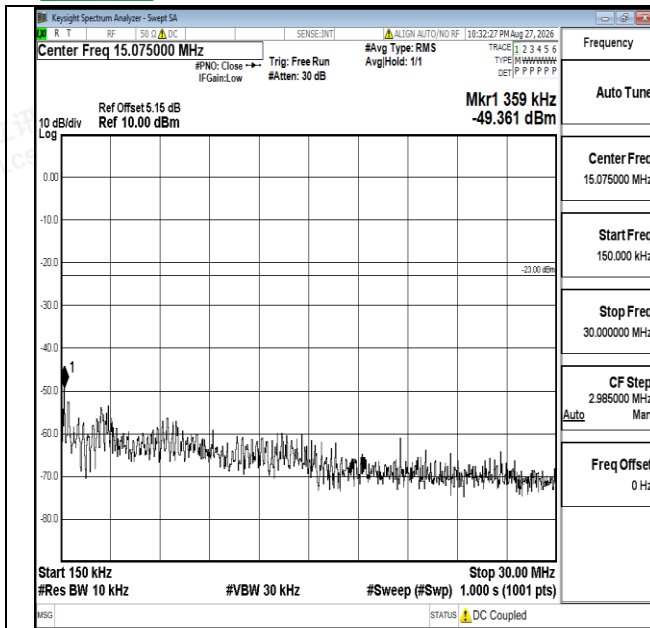
Band17-5MHz-QPSK-23755-1RB#0-1000~3000-PASS



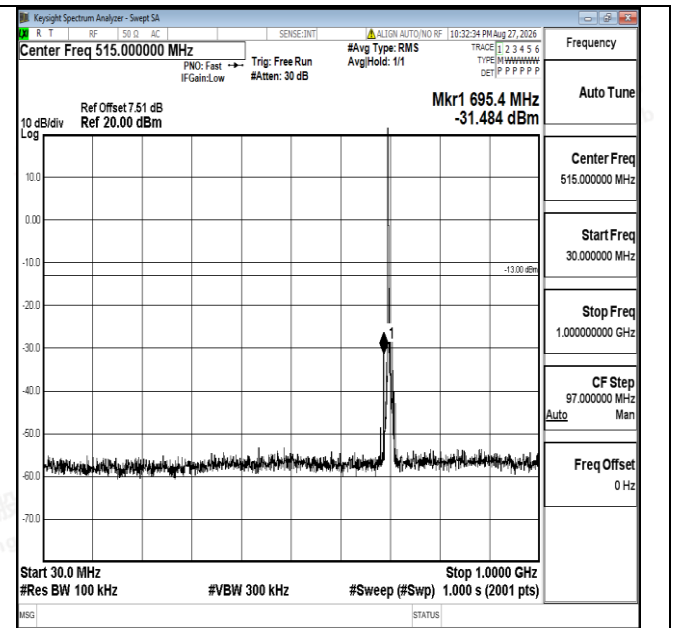
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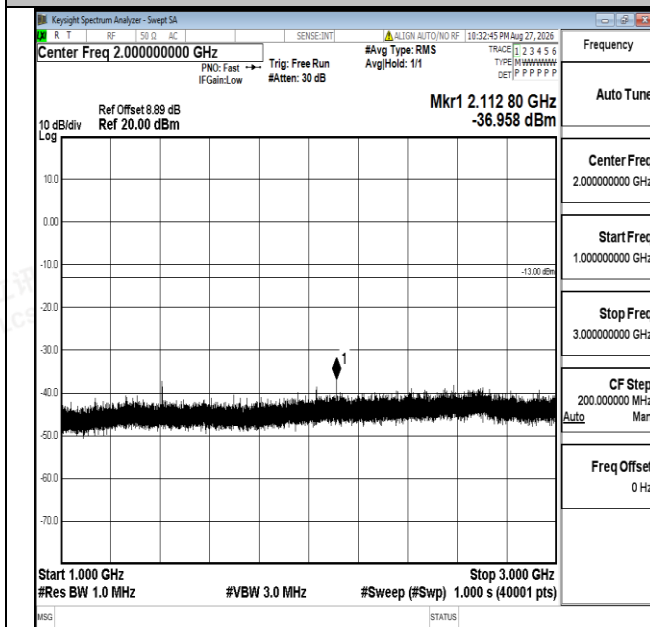
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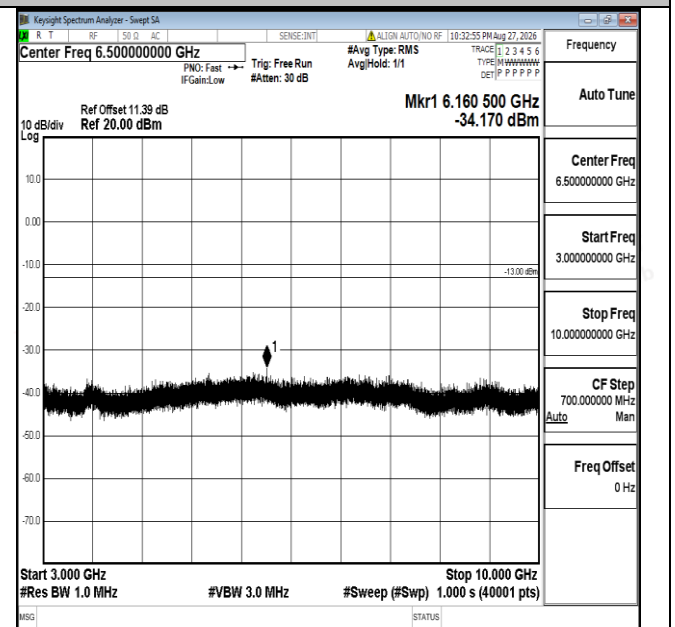
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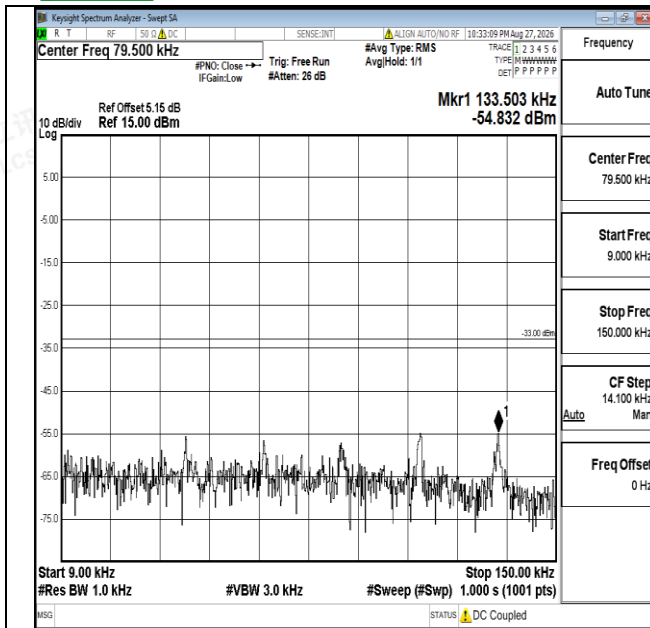
Band17-5MHz-16QAM-23755-1RB#0-30~1000-PASS



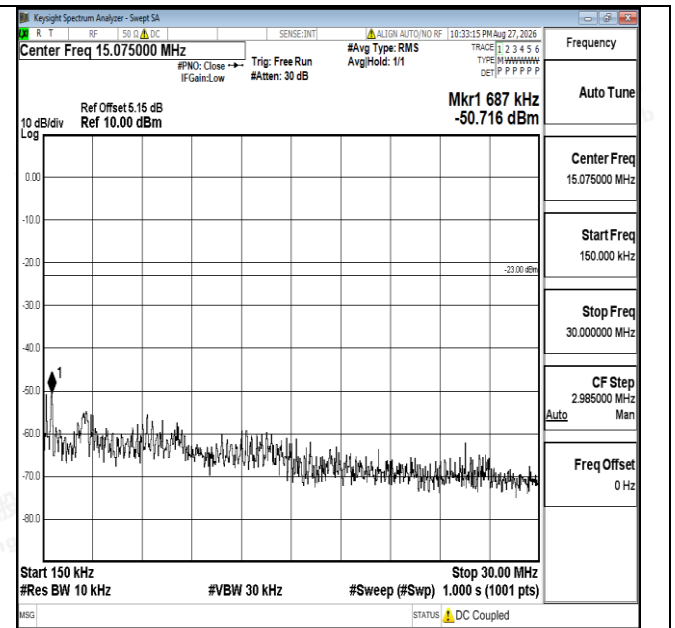
Band17-5MHz-16QAM-23755-1RB#0-1000~3000-PASS



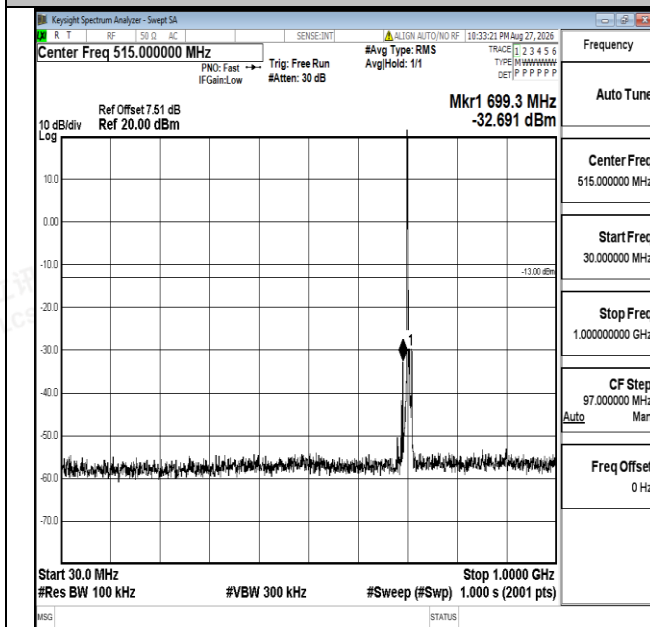
Band17-5MHz-16QAM-23755-1RB#0-3000~10000-PASS



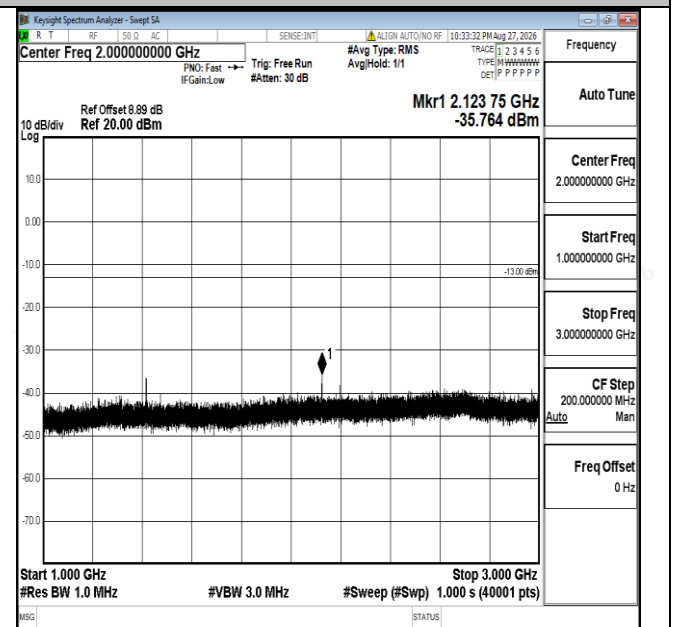
Band17-5MHz-QPSK-23790-1RB#0-0.009~0.15-PASS



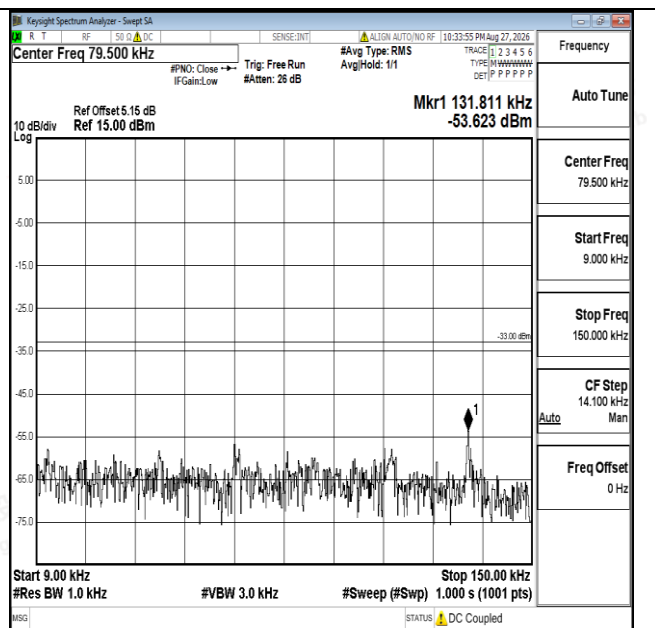
Band17-5MHz-QPSK-23790-1RB#0-0.15~30-PASS



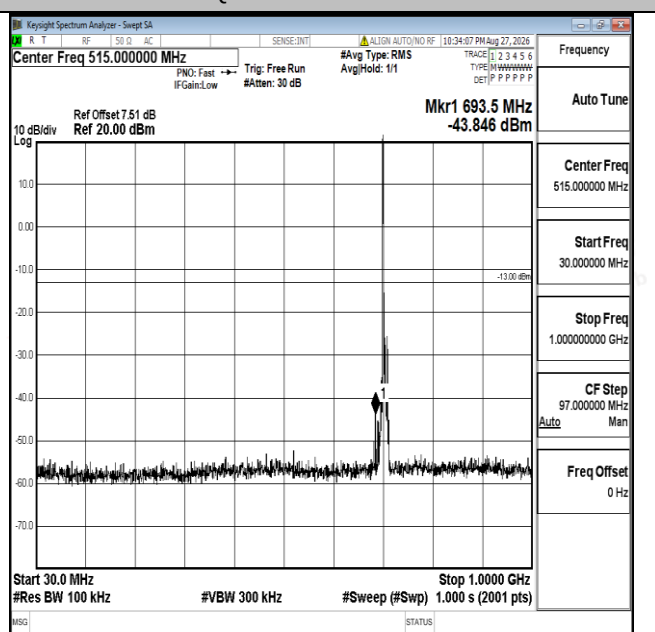
Band17-5MHz-QPSK-23790-1RB#0-30~1000-PASS



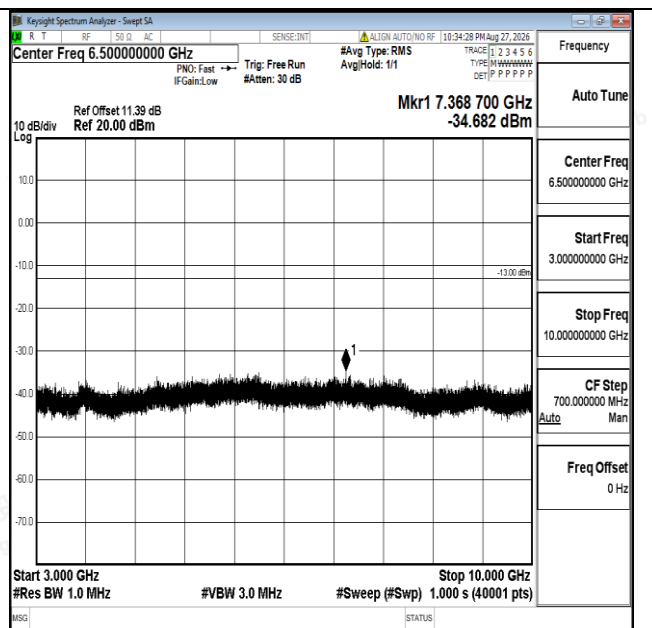
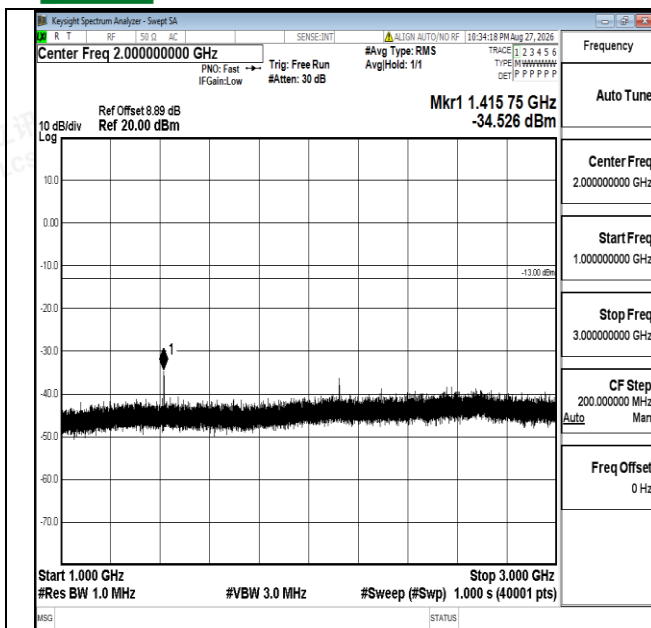
Band17-5MHz-QPSK-23790-1RB#0-1000~3000-PASS



Band17-5MHz-16OAM-23790-1RB#0-0.009~0.15-PASS

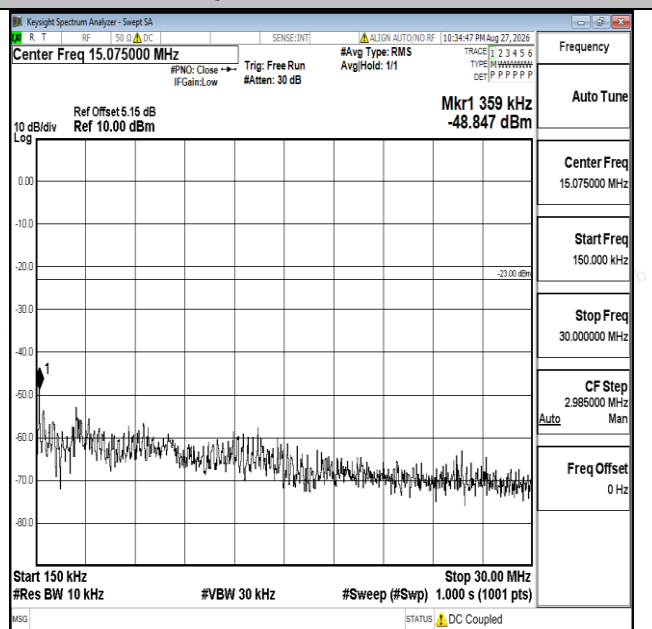
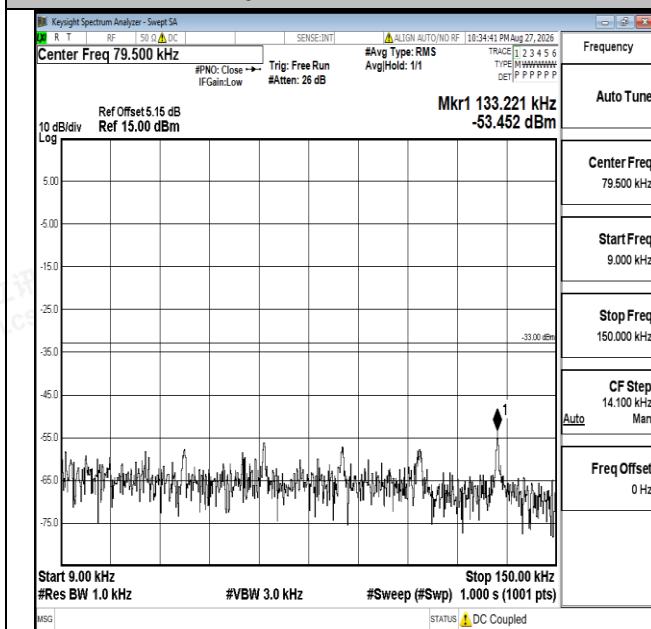


Band17-5MHz-16QAM-23790-1RB#0-30~1000-PASS



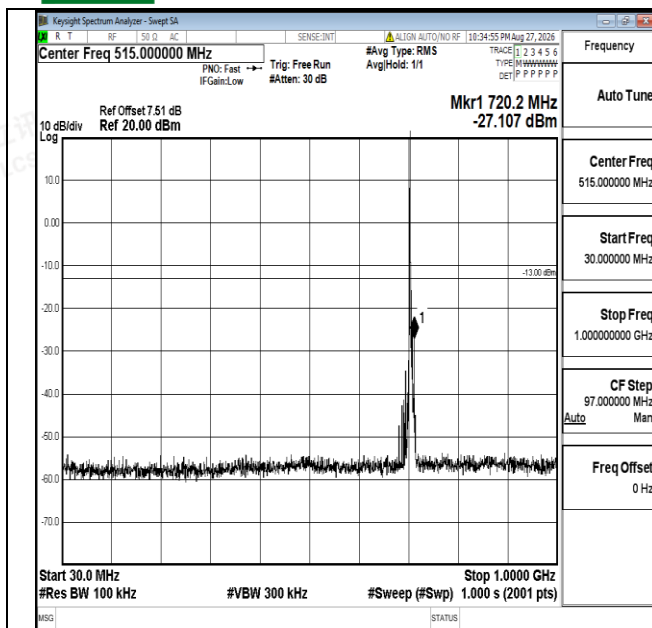
Band17-5MHz-16QAM-23790-1RB#0-1000~3000-PASS

Band17-5MHz-16QAM-23790-1RB#0-3000~10000-PASS

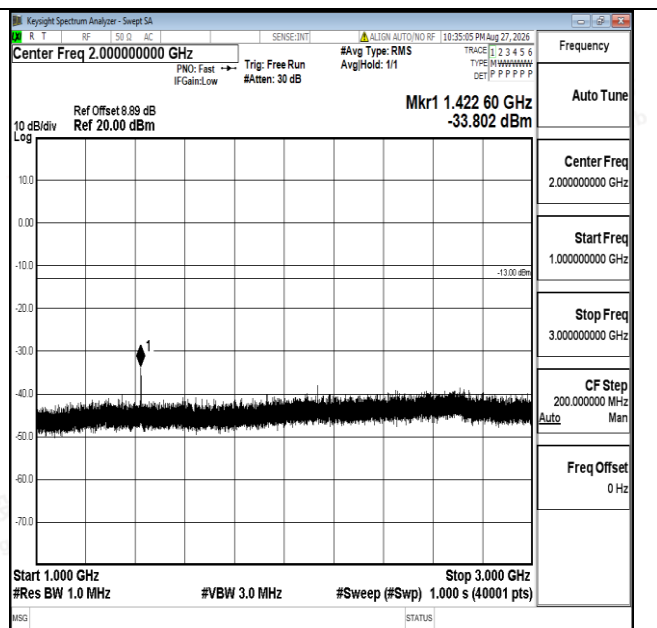


Band17-5MHz-QPSK-23825-1RB#0-0.009~0.15-PASS

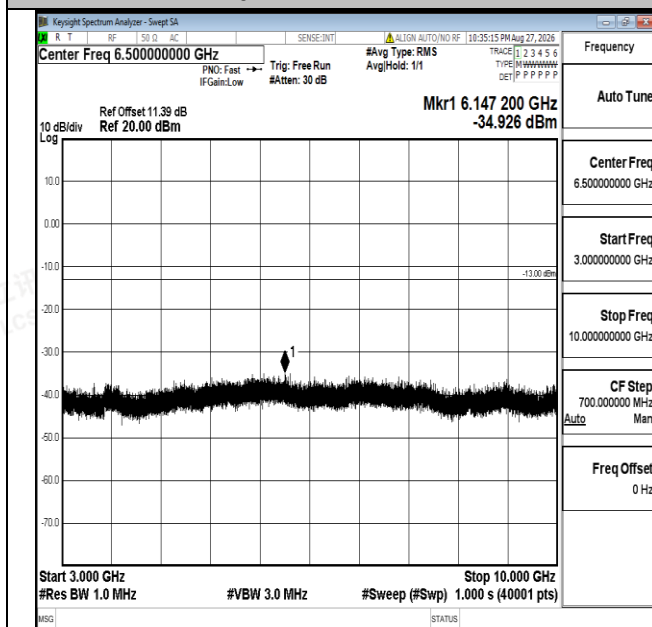
Band17-5MHz-QPSK-23825-1RB#0-0.15~30-PASS



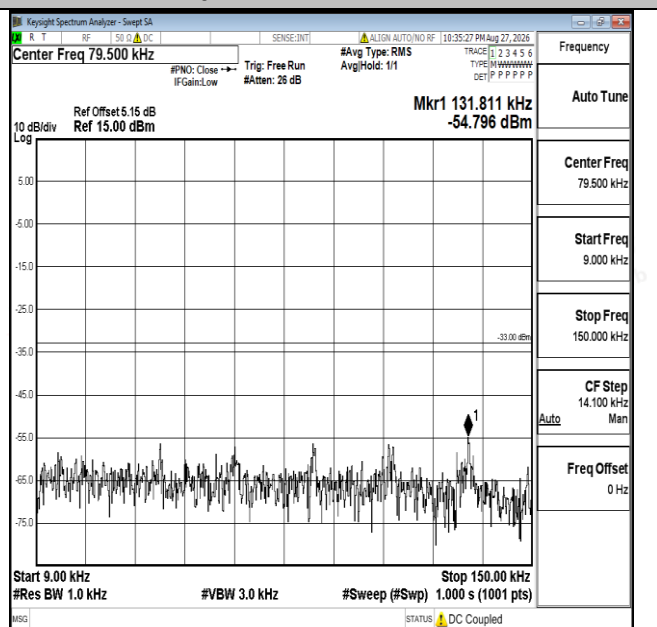
Band17-5MHz-QPSK-23825-1RB#0-30~1000-PASS



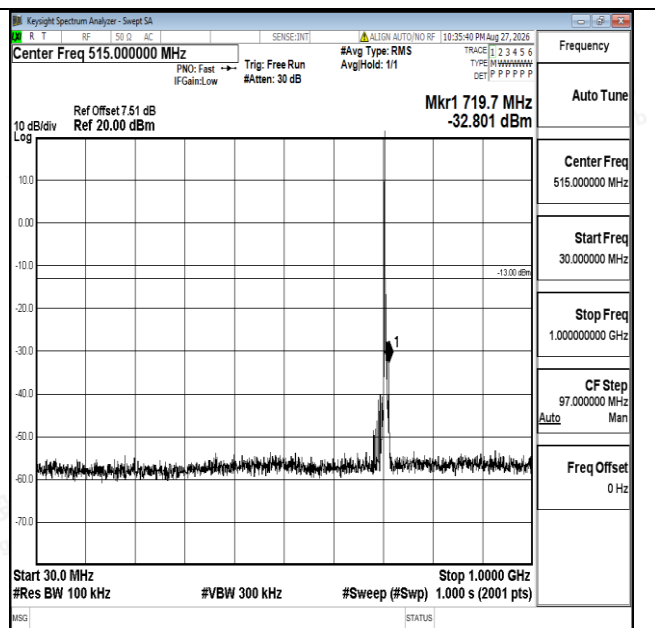
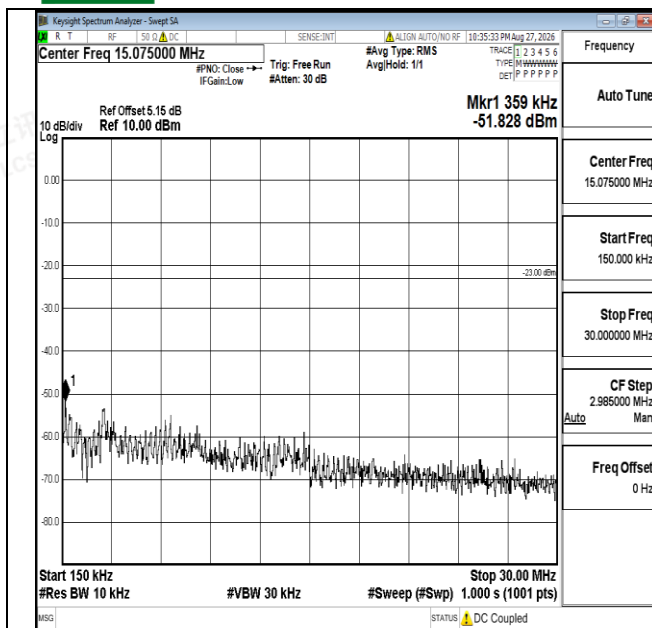
Band17-5MHz-QPSK-23825-1RB#0-1000~3000-PASS



Band17-5MHz-QPSK-23825-1RB#0-3000~10000-PASS

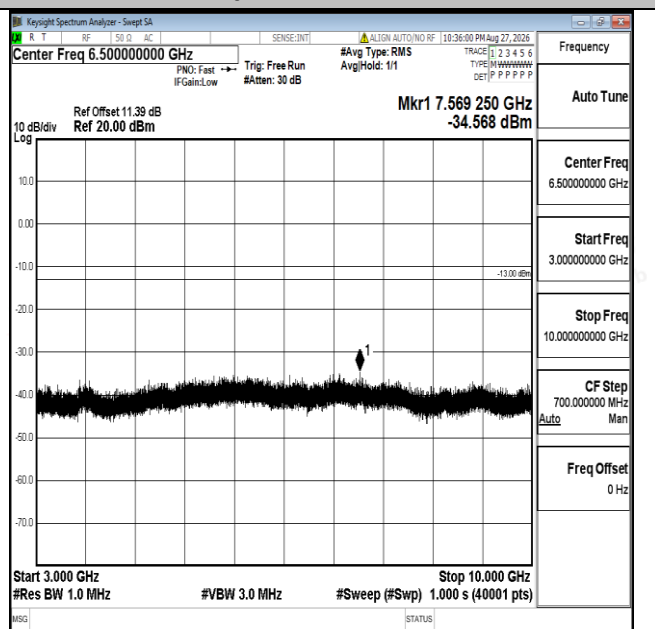
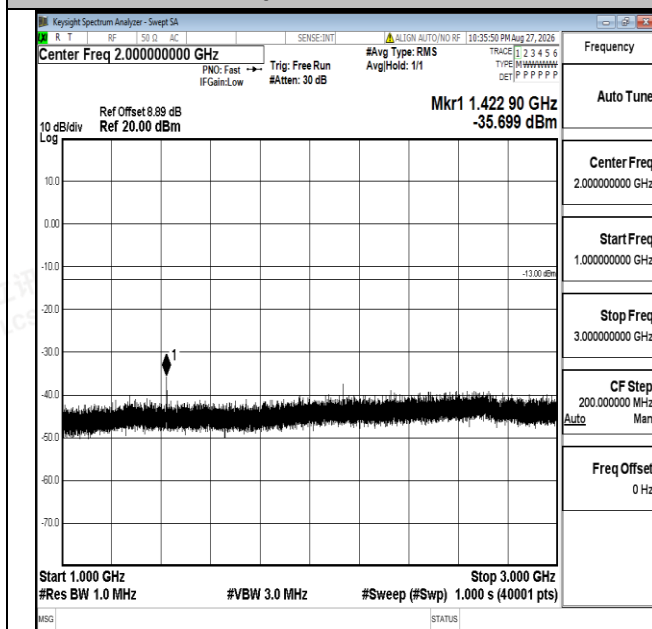


Band17-5MHz-16QAM-23825-1RB#0-0.009~0.15-PASS



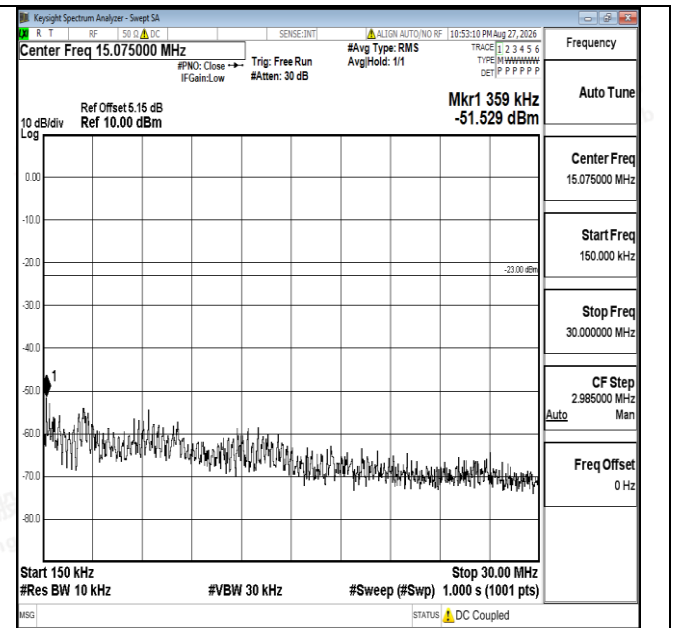
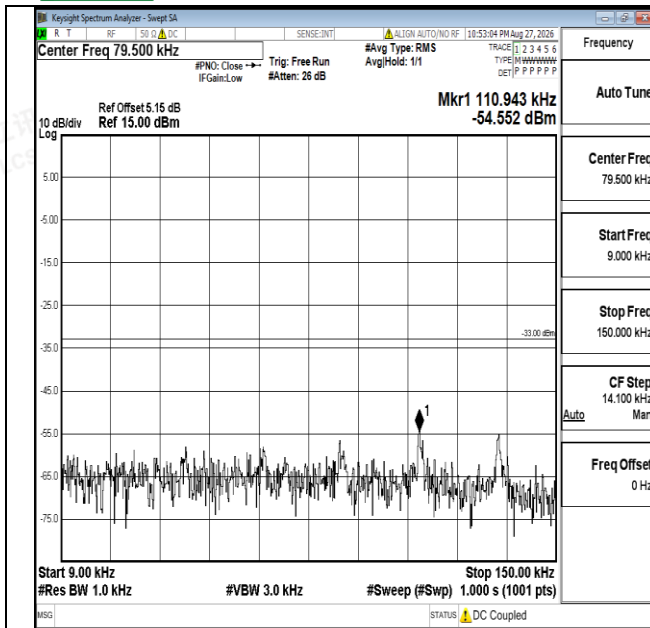
Band17-5MHz-16QAM-23825-1RB#0-0.15~30-PASS

Band17-5MHz-16QAM-23825-1RB#0-30~1000-PASS



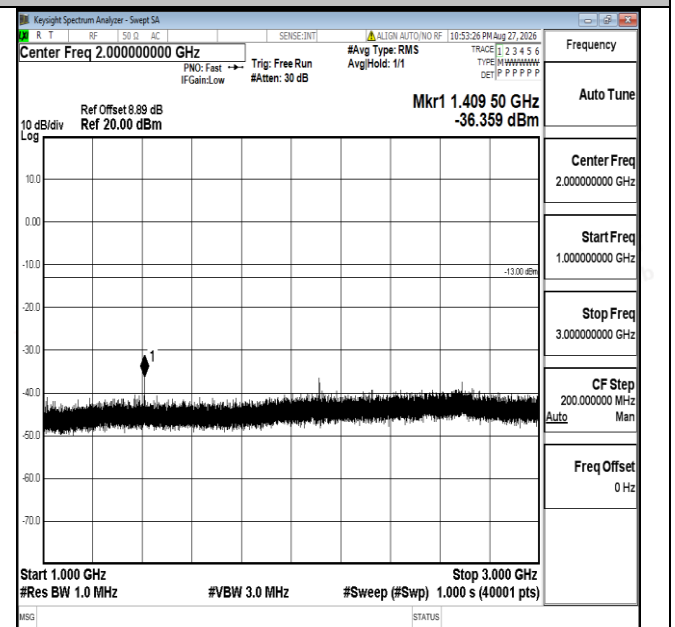
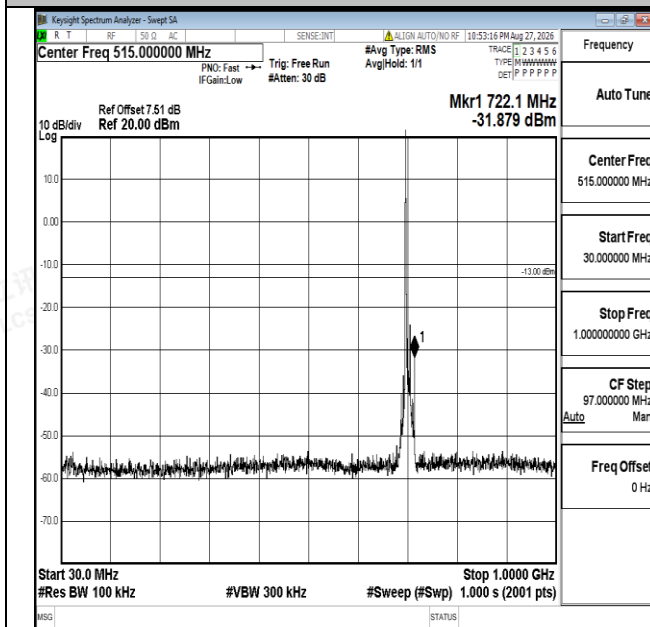
Band17-5MHz-16QAM-23825-1RB#0-1000~3000-PASS

Band17-5MHz-16QAM-23825-1RB#0-3000~10000-PASS



Band17-10MHz-QPSK-23780-1RB#0-0.009~0.15-PASS

Band17-10MHz-QPSK-23780-1RB#0-0.15~30-PASS



Band17-10MHz-QPSK-23780-1RB#0-30~1000-PASS

Band17-10MHz-QPSK-23780-1RB#0-1000~3000-PASS