

Appendix-A LTE Band 17

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.44	20.79	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.91	21.26	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.7	21.05	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.88	20.23	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.74	20.09	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.52	19.87	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.82	20.17	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.77	19.12	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.76	21.11	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	24.14	21.49	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.9	21.25	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.97	20.32	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.65	20	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	23.55	20.9	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.89	20.24	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.93	19.28	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	24.11	21.46	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	24.16	21.51	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.93	21.28	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.91	20.26	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	23.48	20.83	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	23.5	20.85	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.78	20.13	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.9	19.25	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.97	21.32	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	24.24	21.59	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	24.06	21.41	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	23.09	20.44	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	23.37	20.72	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.94	20.29	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.68	20.03	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.88	19.23	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.9	21.25	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	24.06	21.41	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.76	21.11	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.99	20.34	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.51	19.86	34.77	PASS

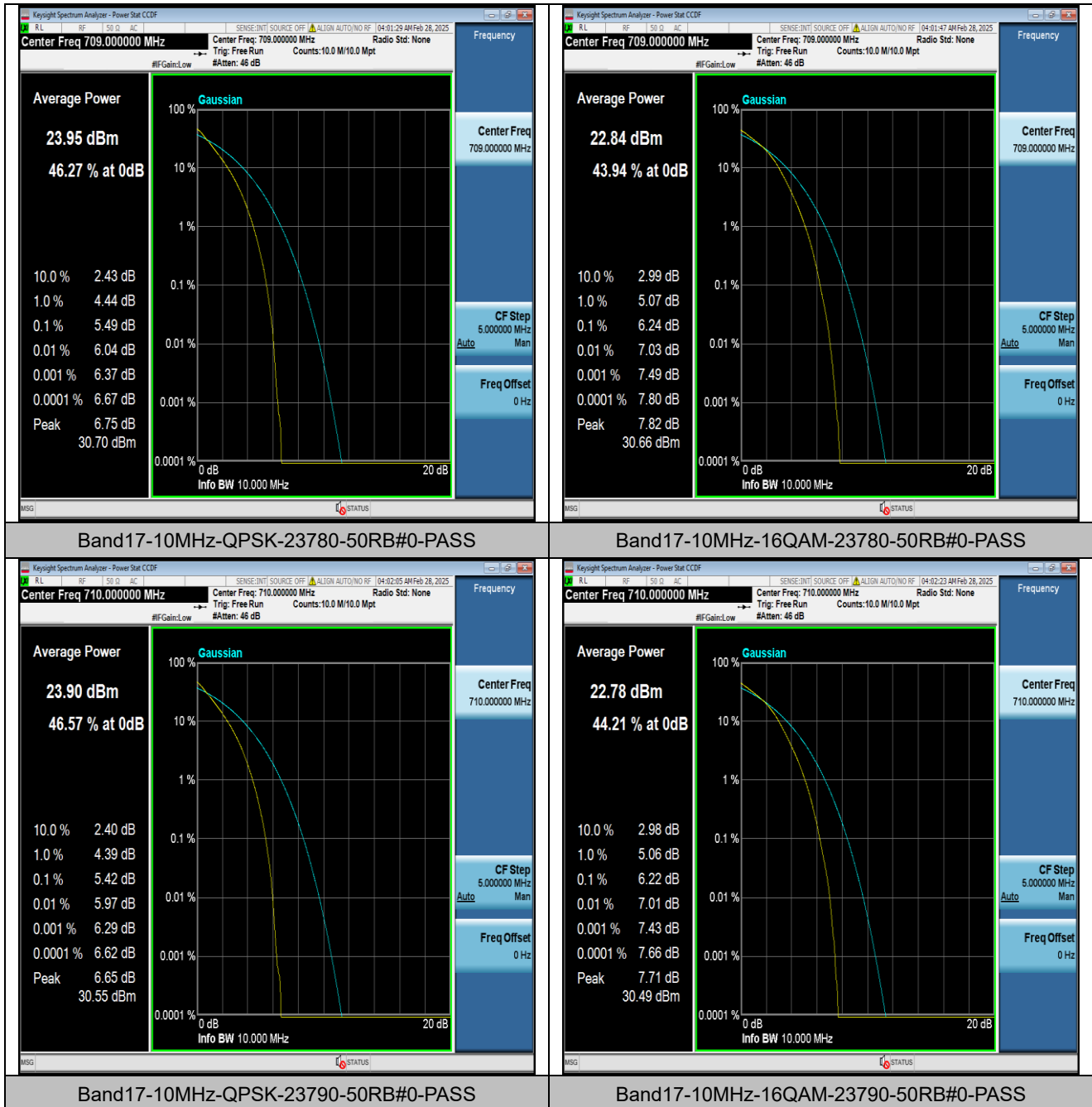
Band17	10MHz	16QAM	23790	1RB#24	23.41	20.76	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.88	20.23	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.65	19	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.7	21.05	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	24.36	21.71	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.69	21.04	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	23	20.35	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.54	19.89	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.76	20.11	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.85	20.20	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.60	18.95	34.77	PASS

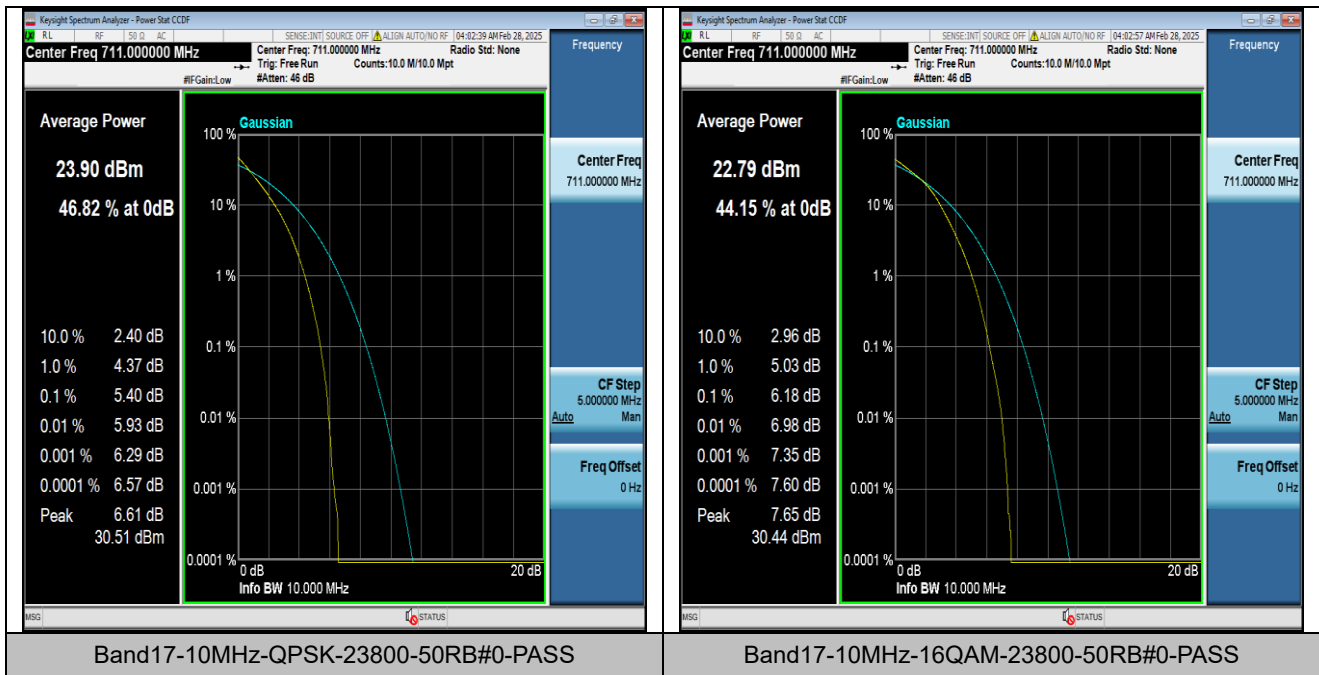
Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band17	10MHz	QPSK	23780	50RB#0	5.49	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.24	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.42	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.22	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.40	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.18	13	PASS

Test Graphs



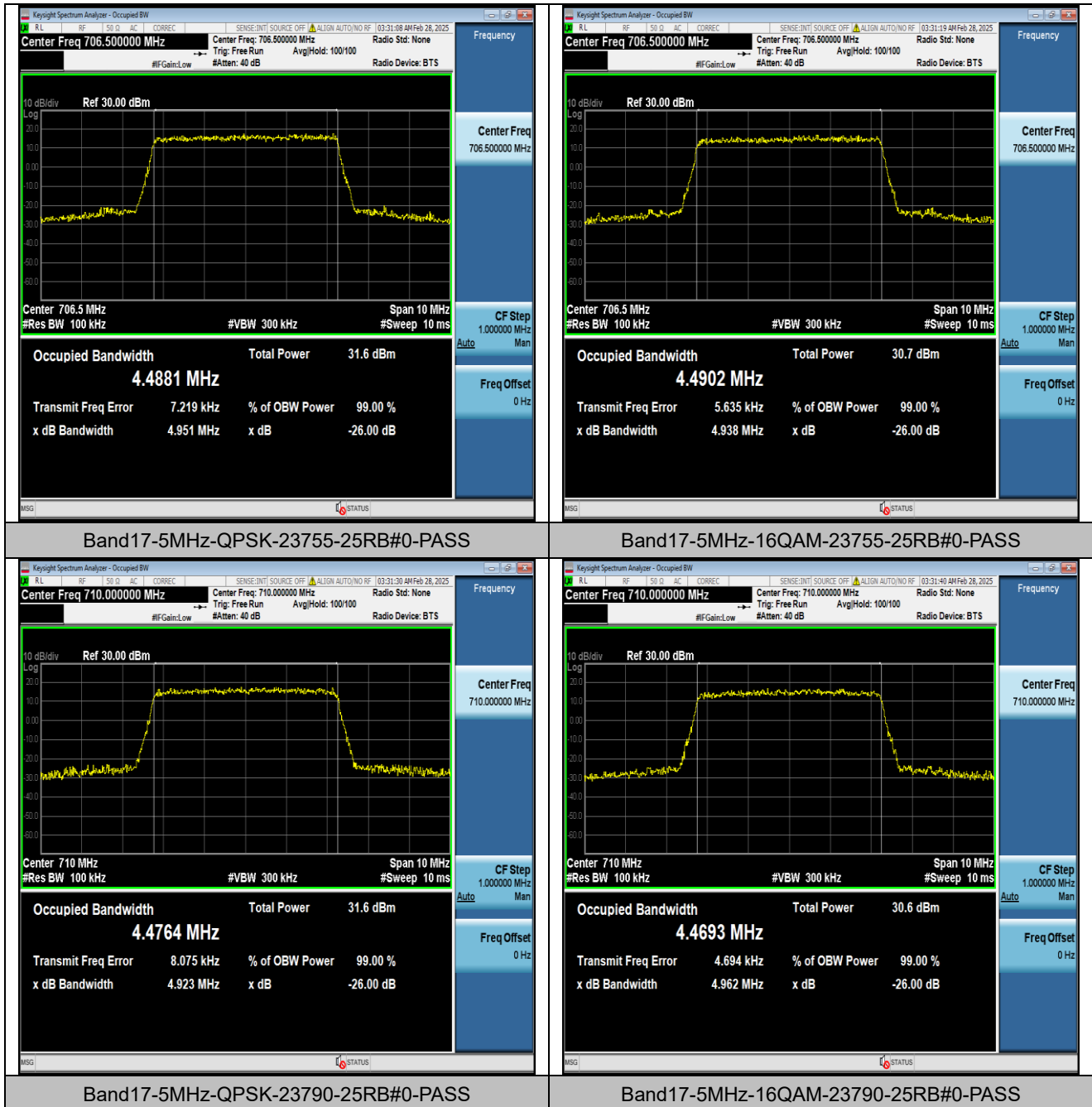


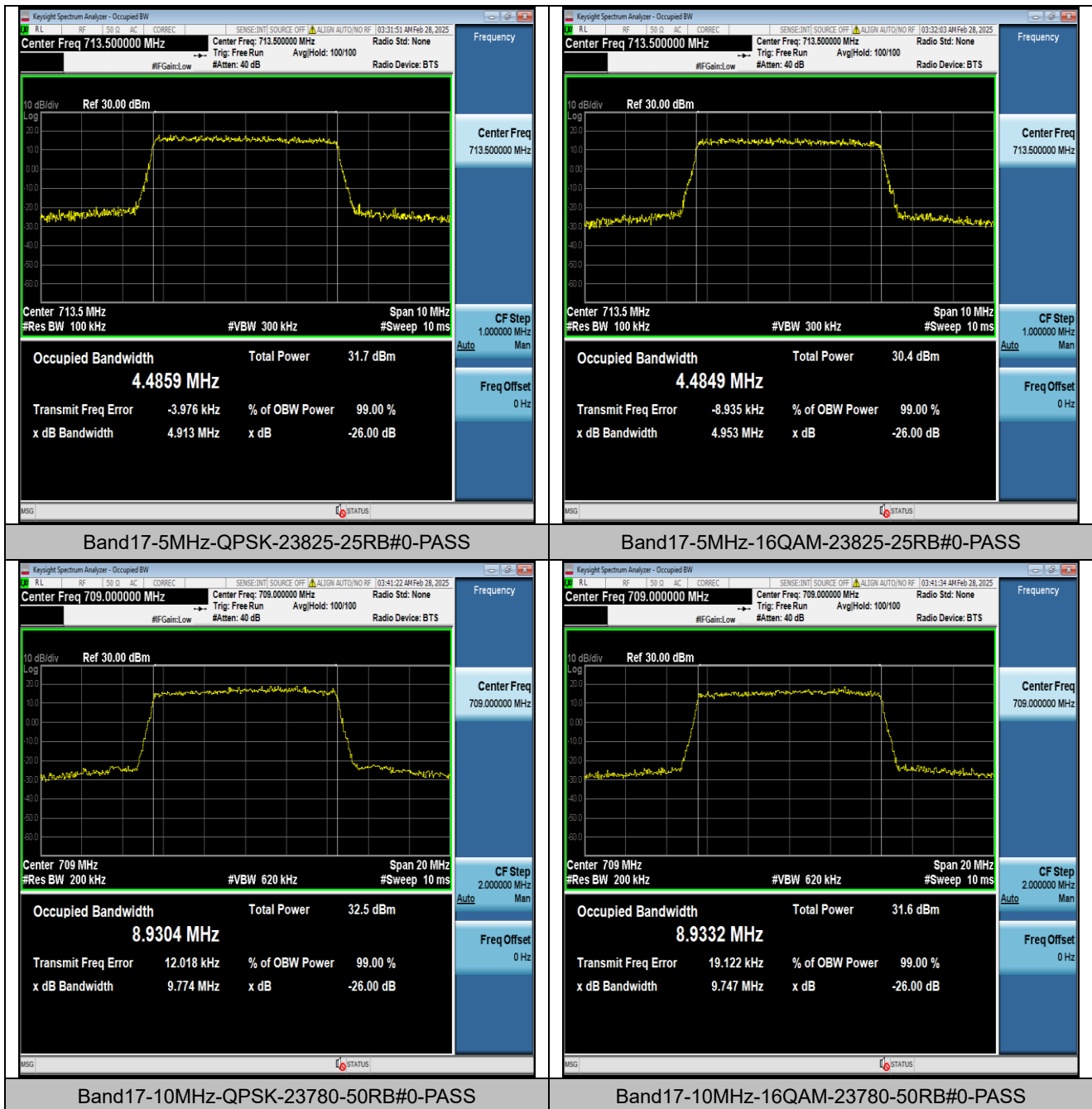
26dB Bandwidth and Occupied Bandwidth

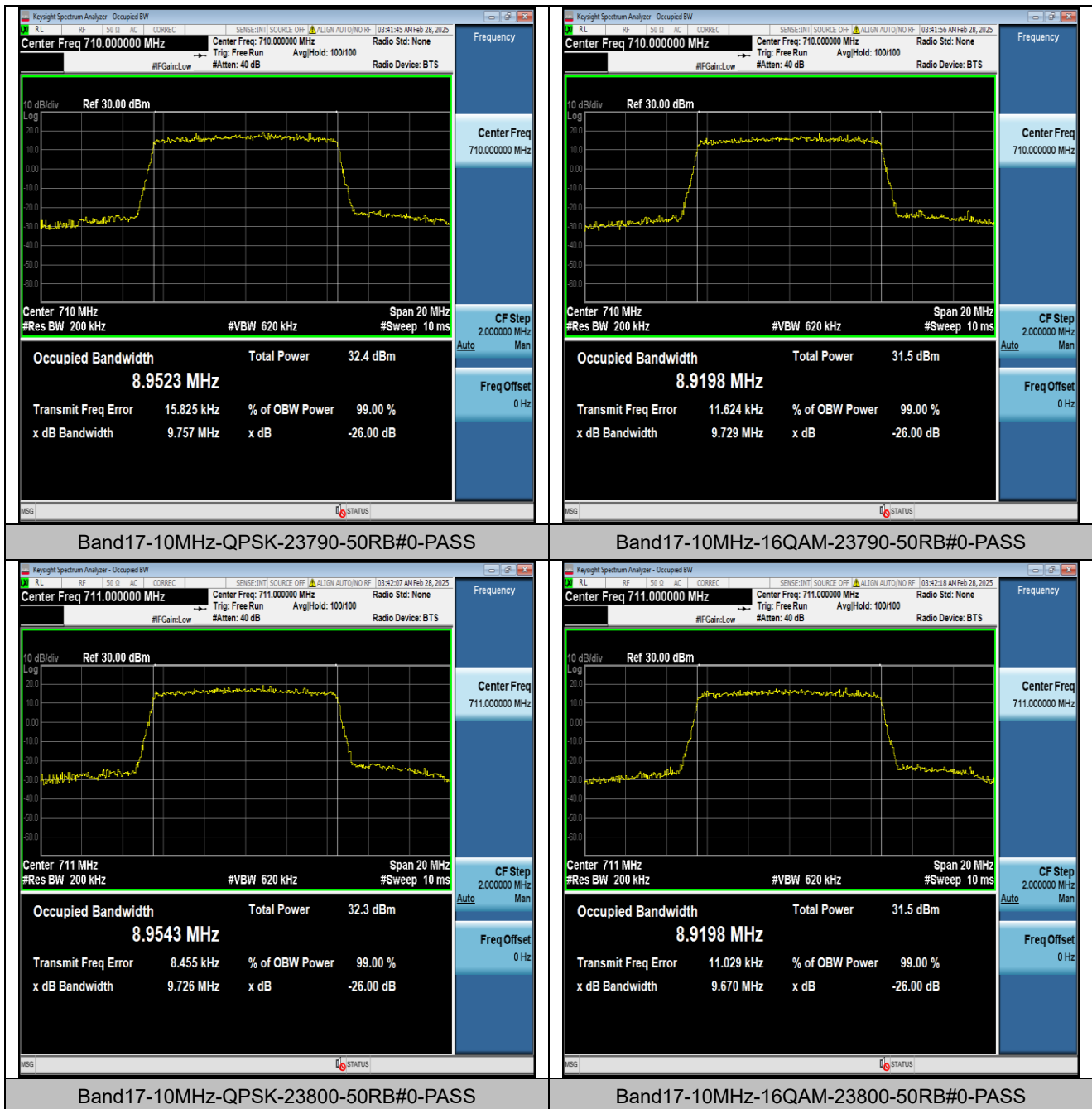
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.4881	4.951	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4902	4.938	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4764	4.923	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4693	4.962	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4859	4.913	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.4849	4.953	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9304	9.774	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9332	9.747	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9523	9.757	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9198	9.729	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9543	9.726	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9198	9.670	PASS

Test Graphs

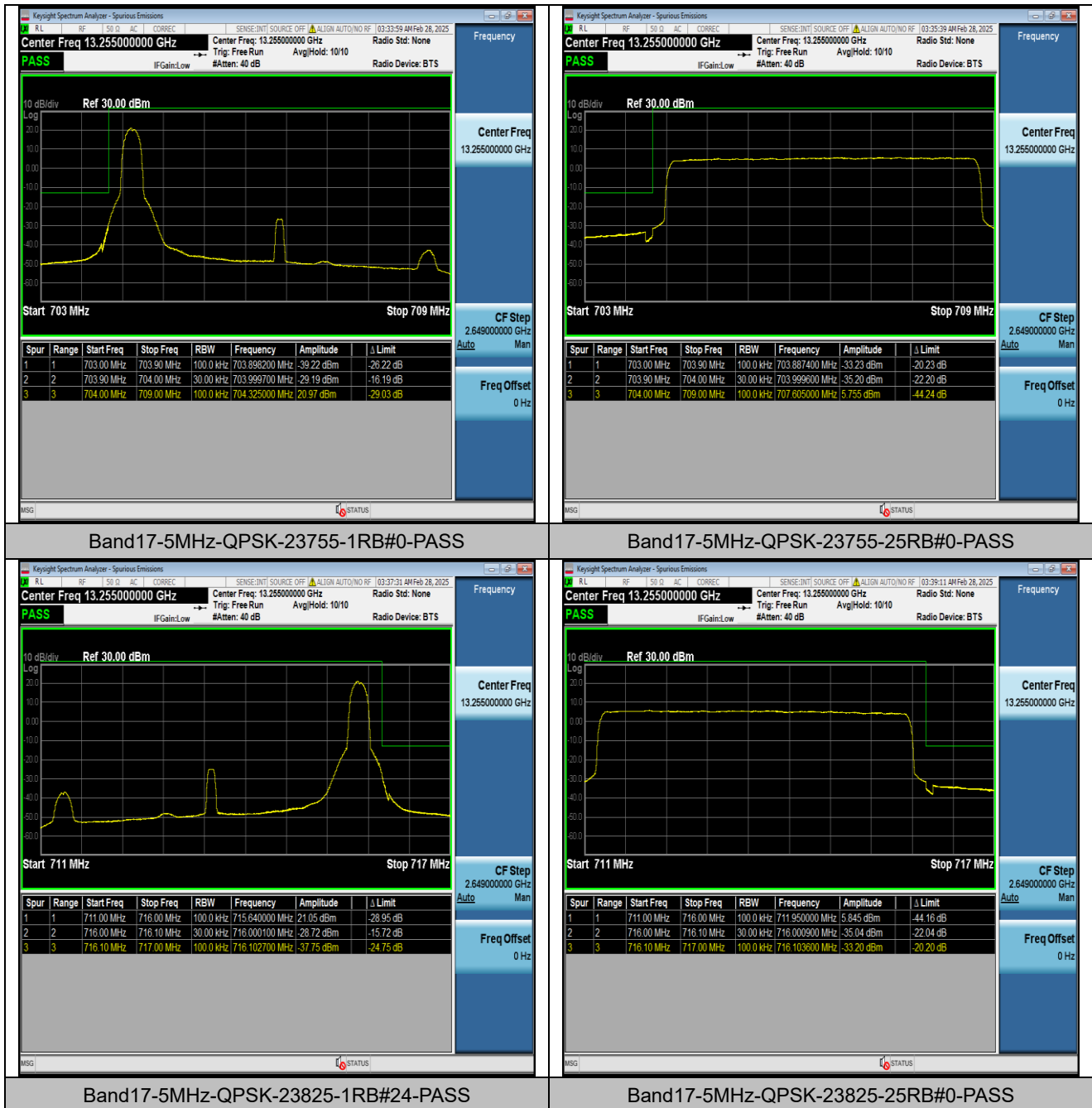


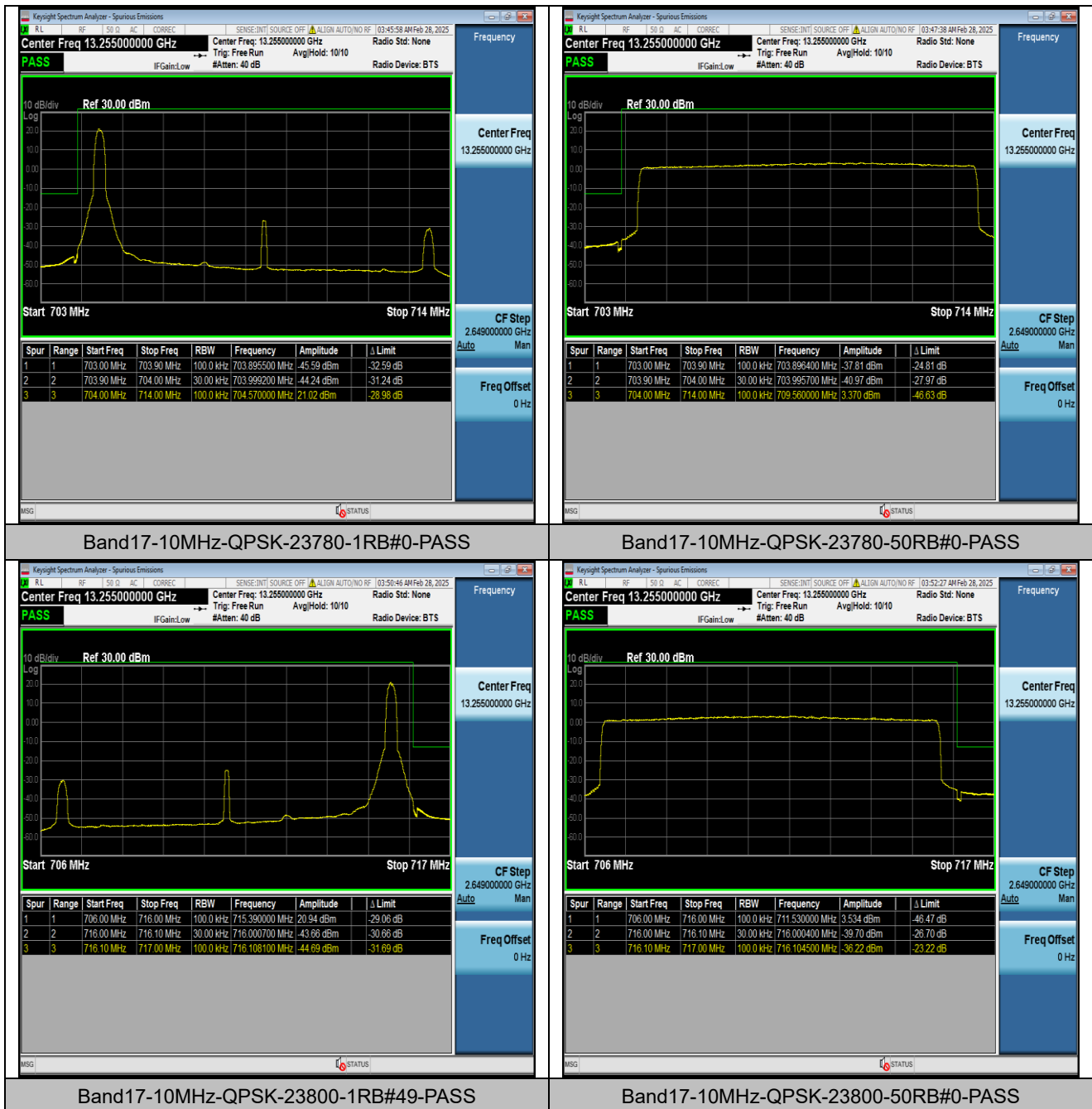




Band Edge

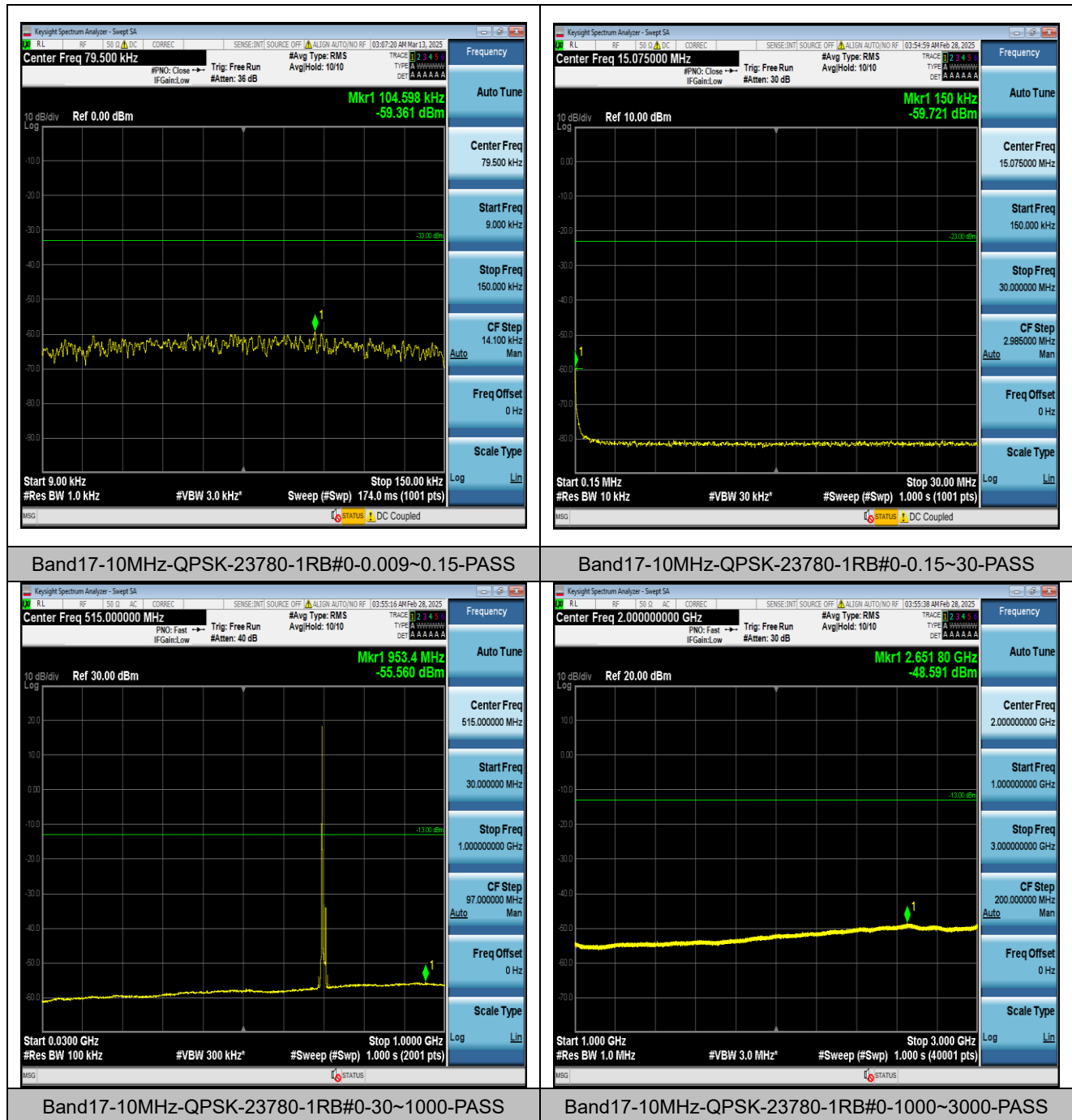
Test Graphs

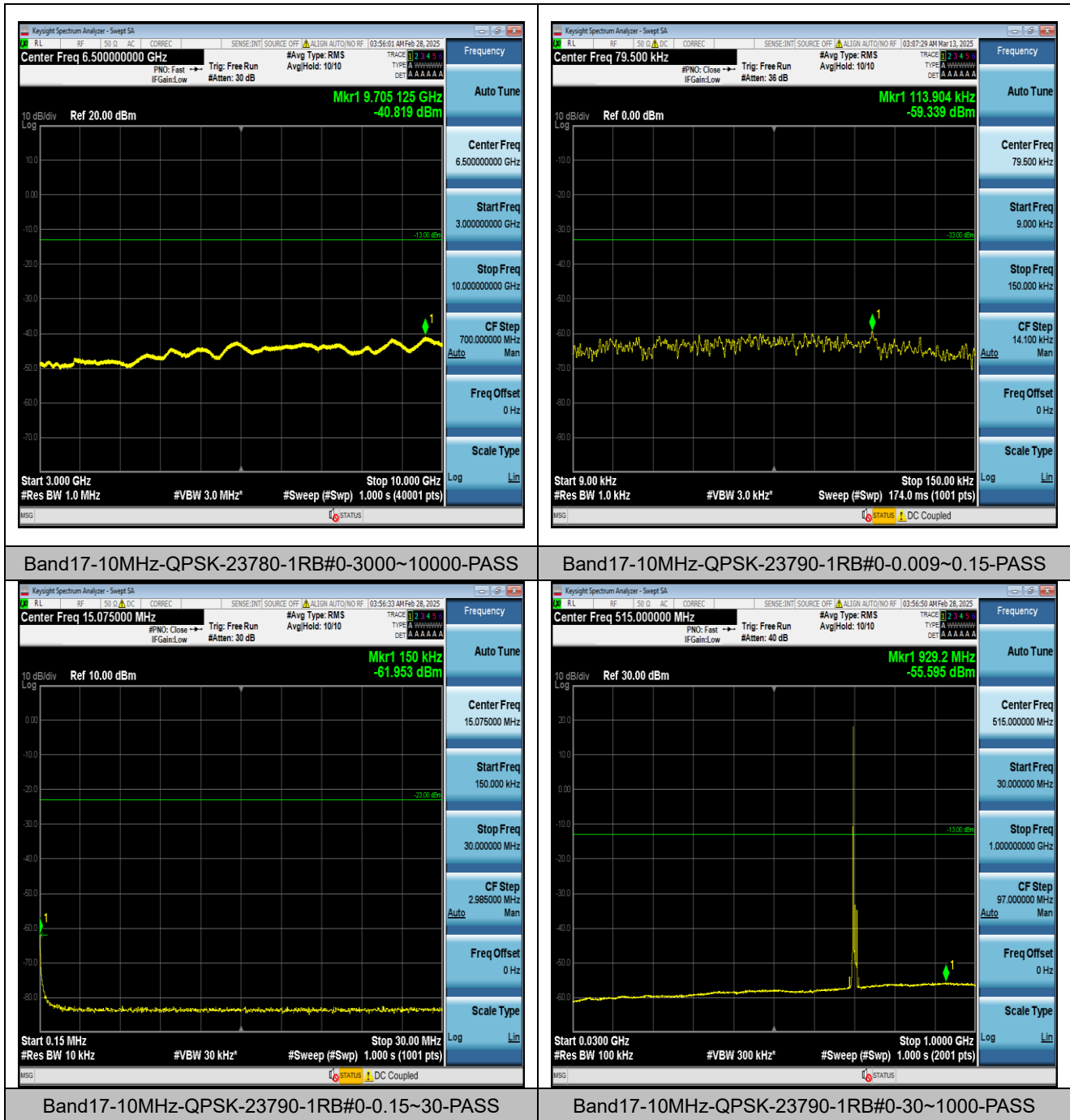




Conducted Spurious Emission

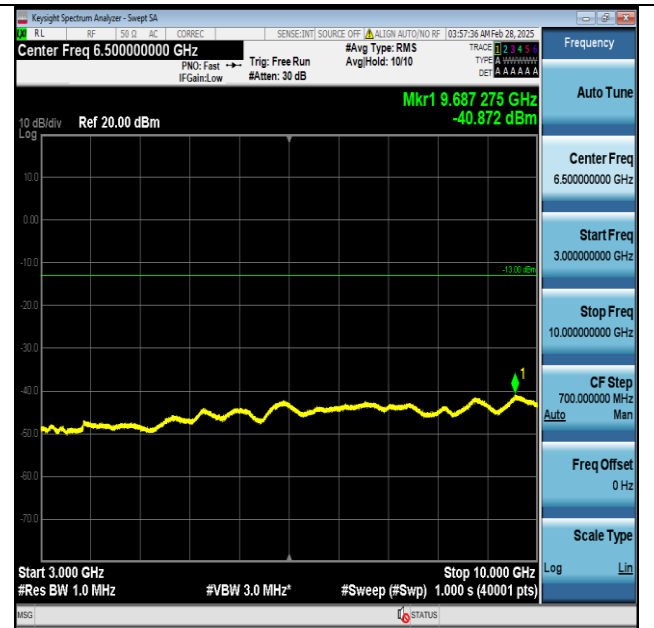
Test Graphs



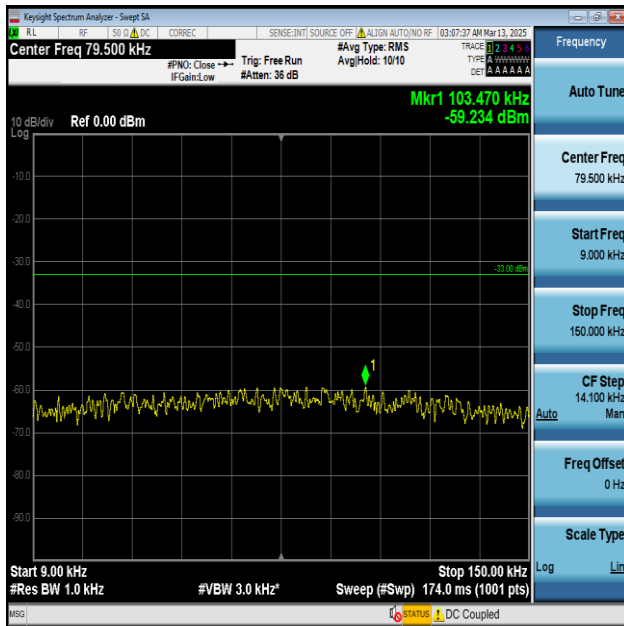




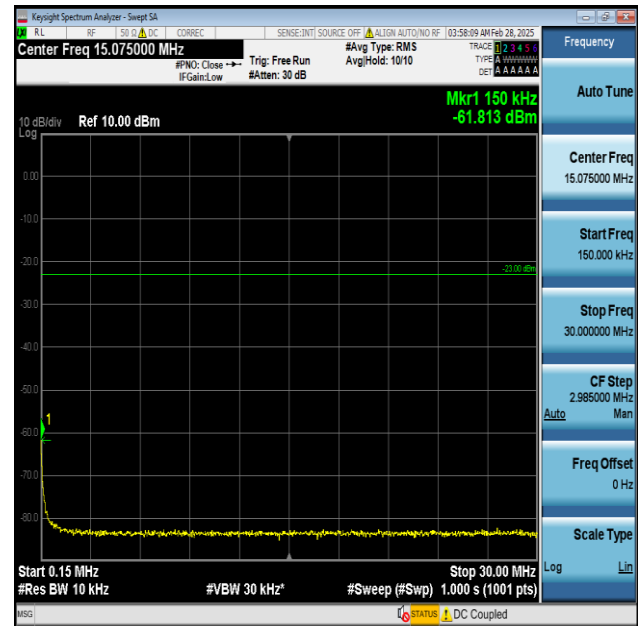
Band17-10MHz-QPSK-23790-1RB#0-1000~3000-PASS



Band17-10MHz-QPSK-23790-1RB#0-3000~10000-PASS



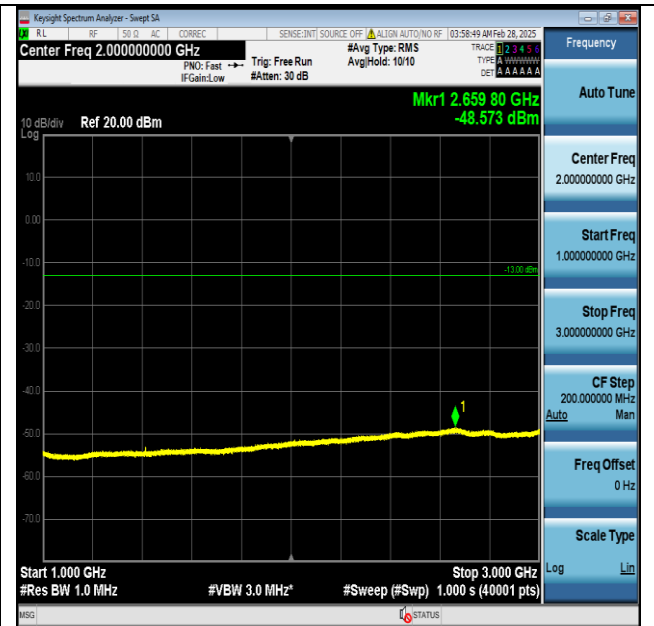
Band17-10MHz-QPSK-23800-1RB#0-0.009~0.15-PASS



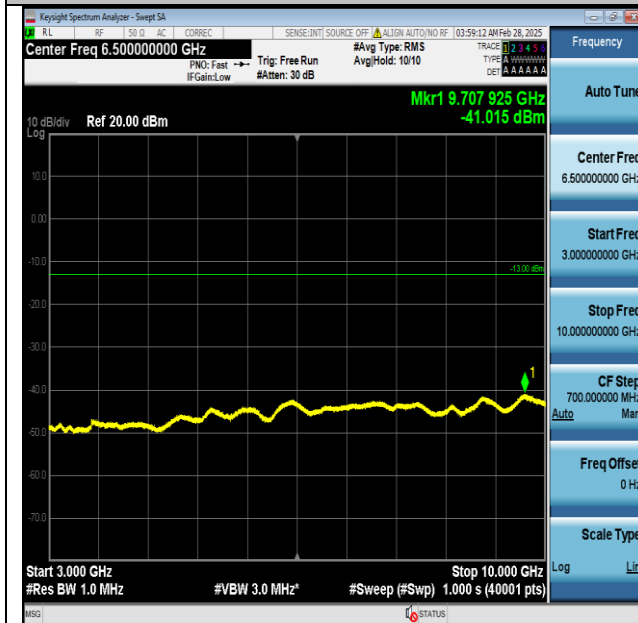
Band17-10MHz-QPSK-23800-1RB#0-0.15~30-PASS



Band17-10MHz-QPSK-23800-1RB#0-30~1000-PASS



Band17-10MHz-QPSK-23800-1RB#0-1000~3000-PASS



Band17-10MHz-QPSK-23800-1RB#0-3000~10000-PASS

Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	1.20	0.001690	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	1.40	0.001972	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	1.10	0.001549	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	0.80	0.001127	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	1.50	0.002113	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	1.50	0.002113	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	0.10	0.000141	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	2.50	0.003521	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	2.40	0.003380	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	0.00	0.000000	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	2.10	0.002958	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	1.10	0.001549	PASS

~The End~