

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	23.12	20.47	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.45	20.8	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.18	20.53	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.82	20.17	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.6	19.95	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.68	20.03	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.31	19.66	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.78	19.13	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.15	20.5	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.42	20.77	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.08	20.43	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.64	19.99	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.21	19.56	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.5	19.85	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.31	19.66	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.56	18.91	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.2	20.55	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.57	20.92	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.12	20.47	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.63	19.98	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.22	19.57	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.16	19.51	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.84	20.19	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.41	18.76	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.25	20.6	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.33	20.68	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.15	20.5	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.74	20.09	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.76	20.11	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.7	20.05	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.6	19.95	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.64	18.99	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.43	20.78	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.4	20.75	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.06	20.41	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.68	20.03	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.73	20.08	34.77	PASS

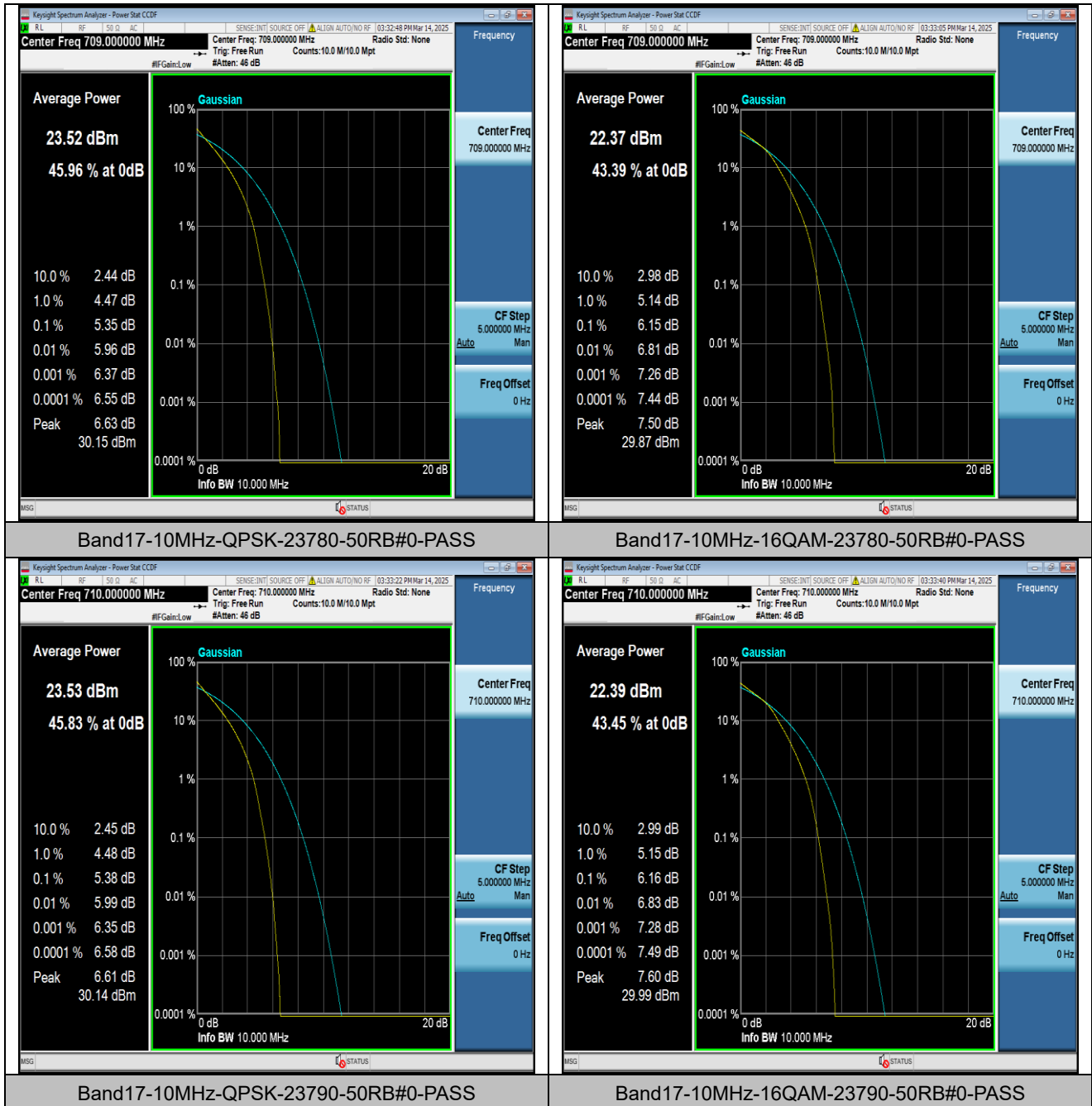
Band17	10MHz	16QAM	23790	1RB#24	22.33	19.68	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.49	19.84	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.63	18.98	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.53	20.88	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.58	20.93	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.1	20.45	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.71	20.06	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.01	20.36	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.06	20.41	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.32	19.67	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.68	19.03	34.77	PASS

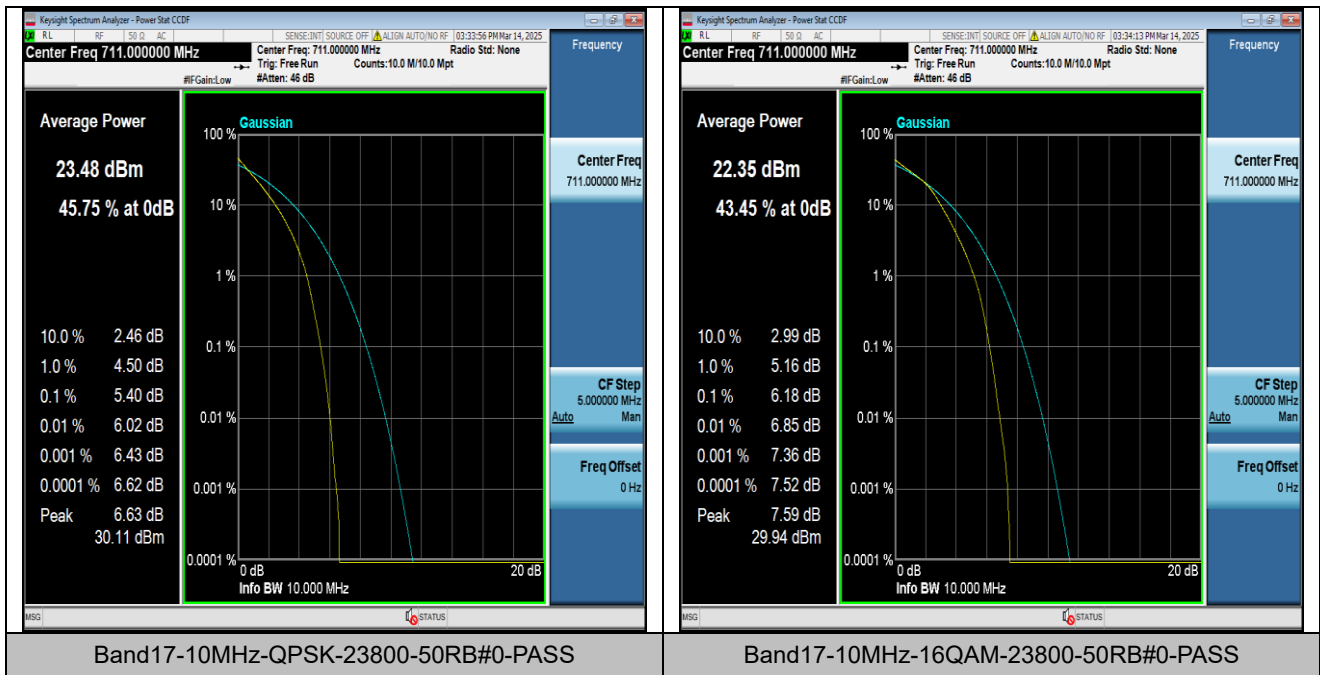
Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band17	10MHz	QPSK	23780	50RB#0	5.35	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.15	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.38	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.16	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.40	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.18	13	PASS

Test Graphs



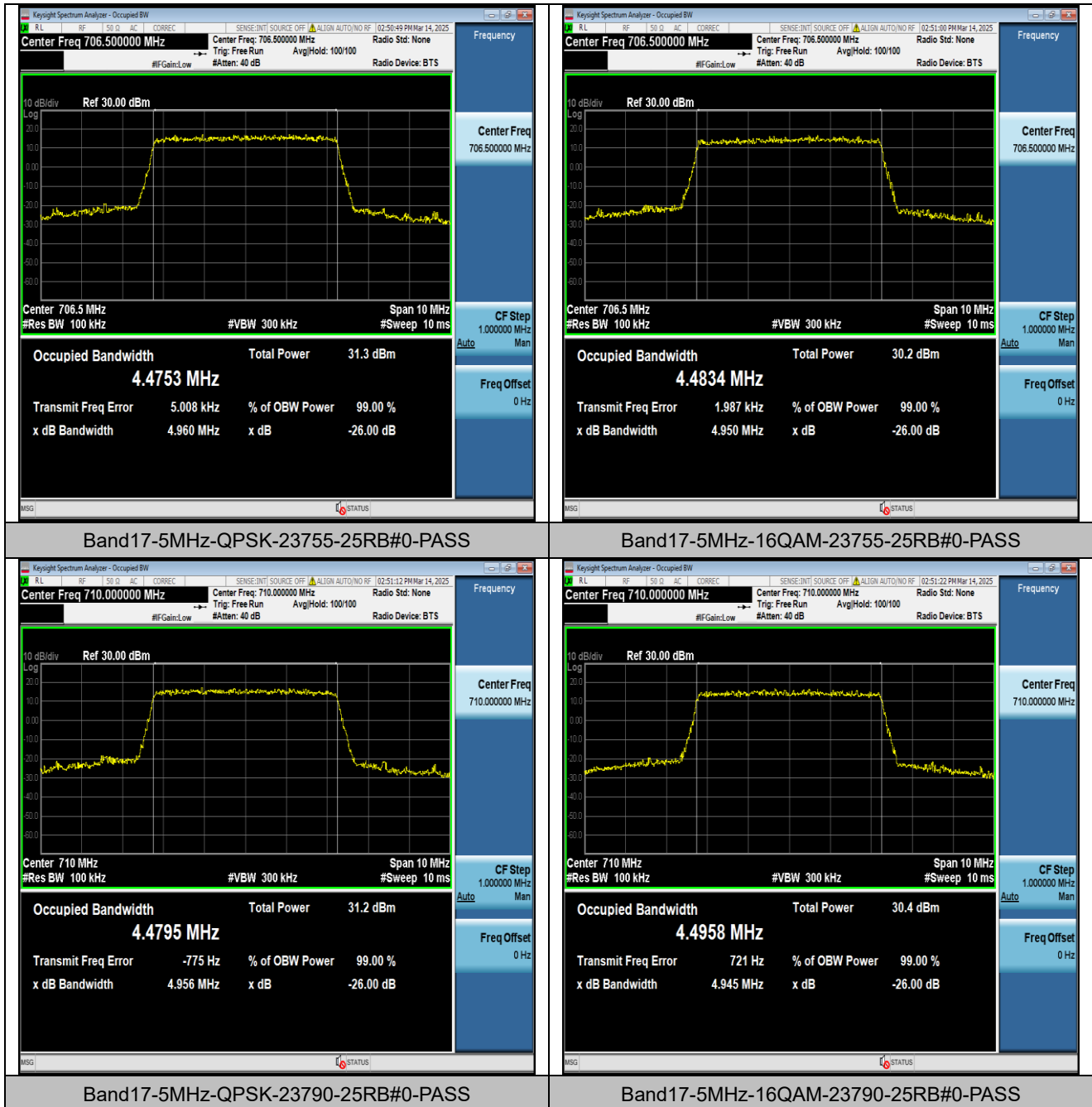


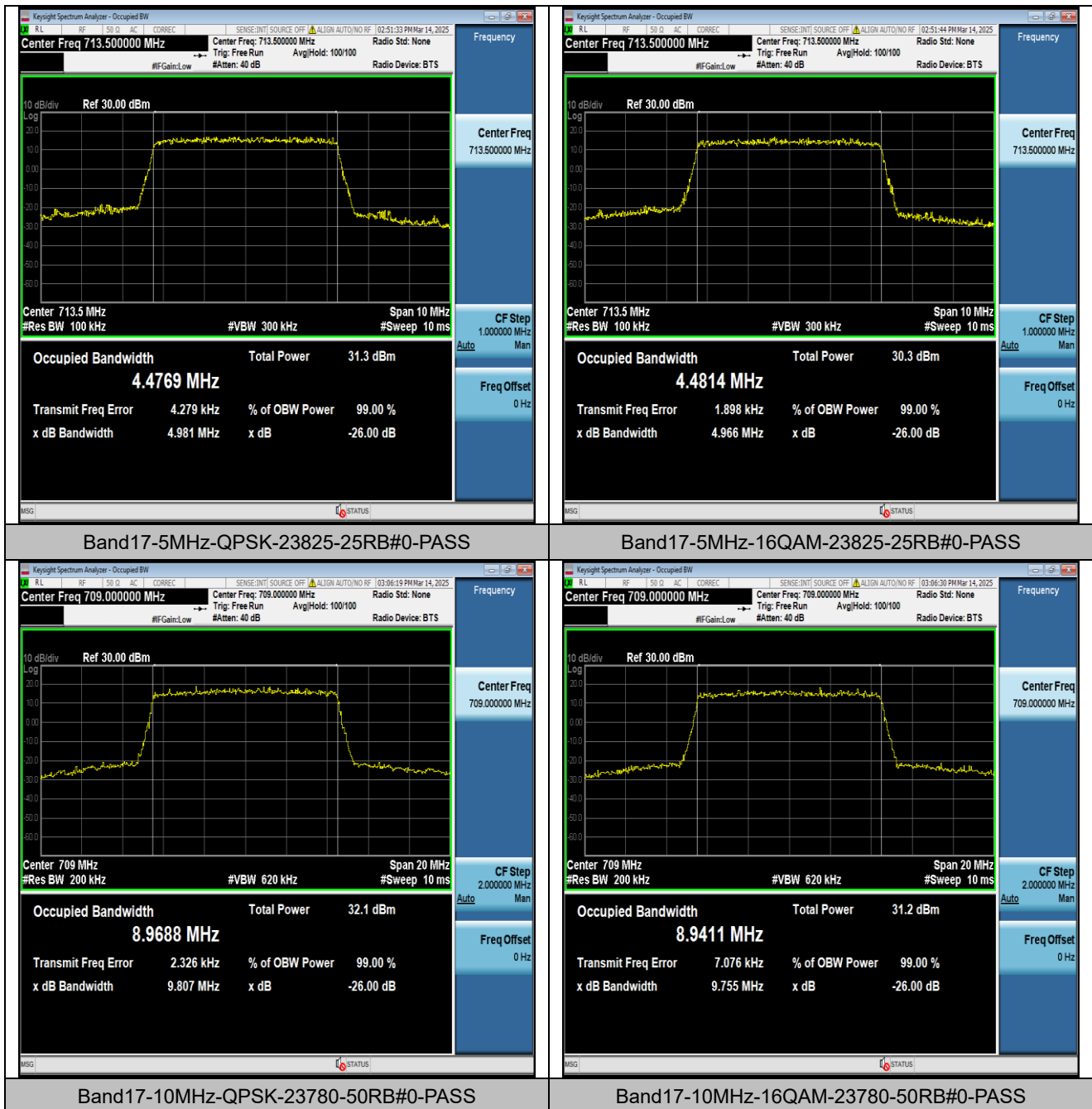
26dB Bandwidth and Occupied Bandwidth

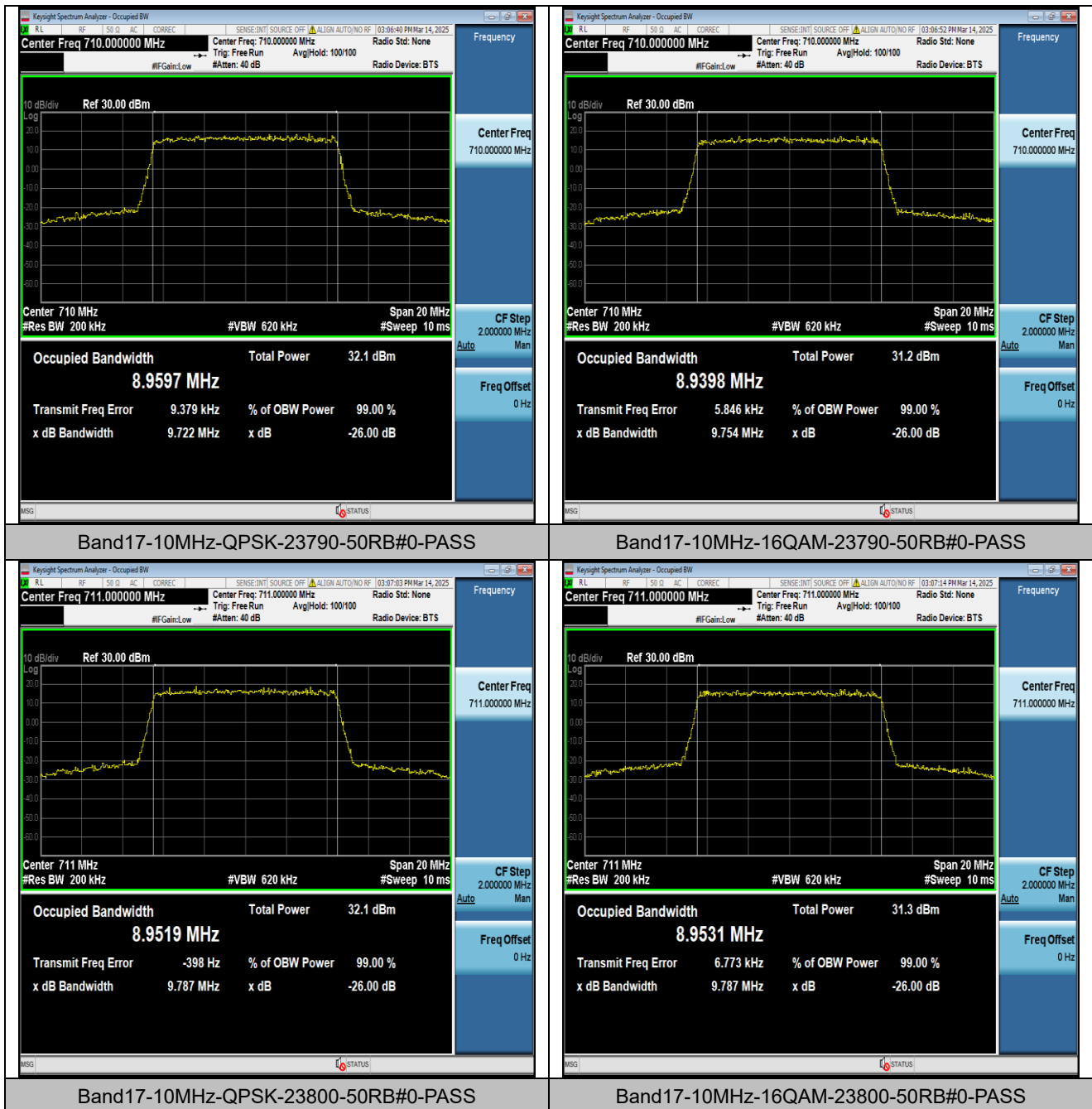
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.4753	4.960	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4834	4.950	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4795	4.956	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4958	4.945	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4769	4.981	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.4814	4.966	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9688	9.807	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9411	9.755	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9597	9.722	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9398	9.754	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9519	9.787	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9531	9.787	PASS

Test Graphs

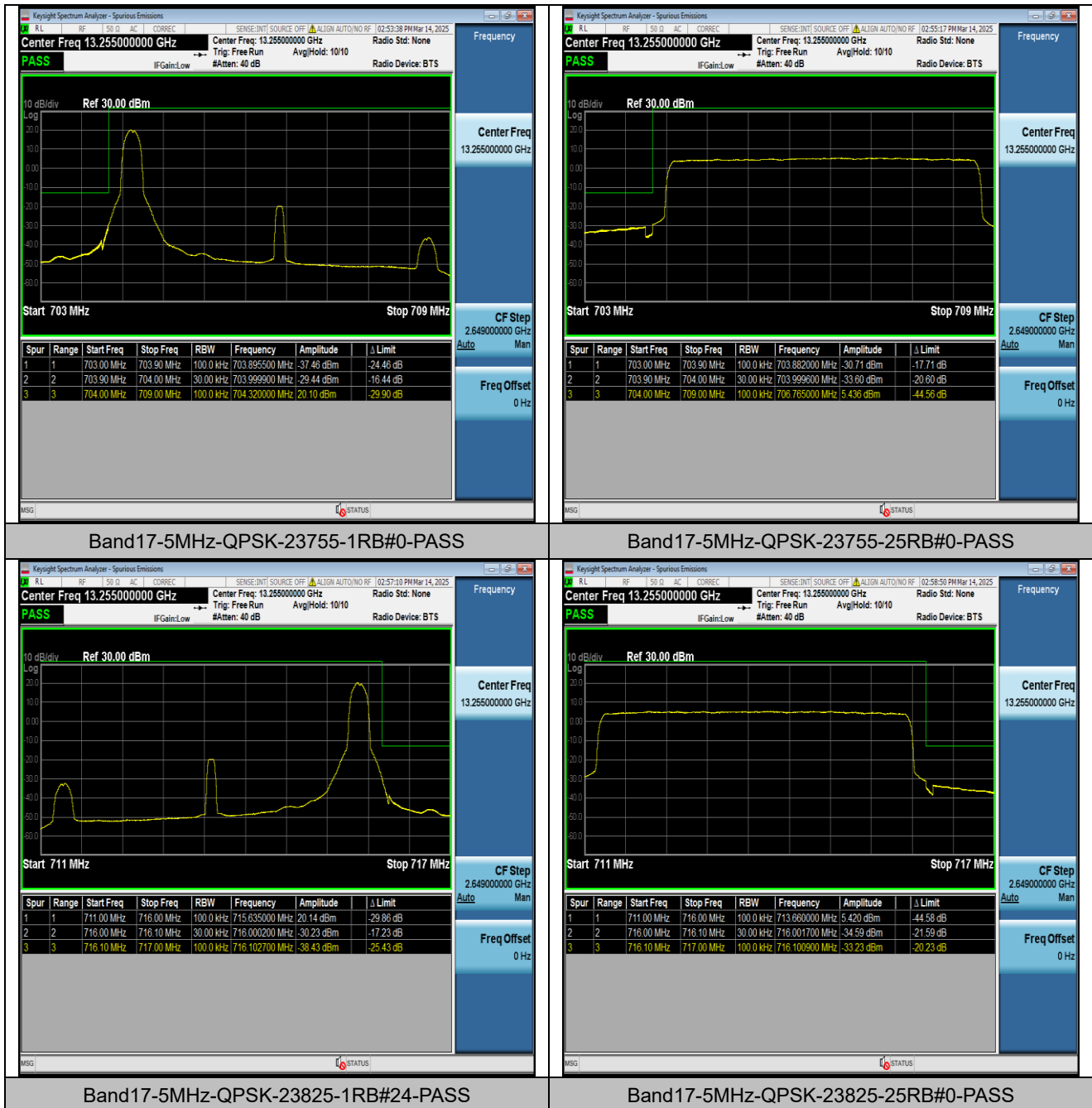


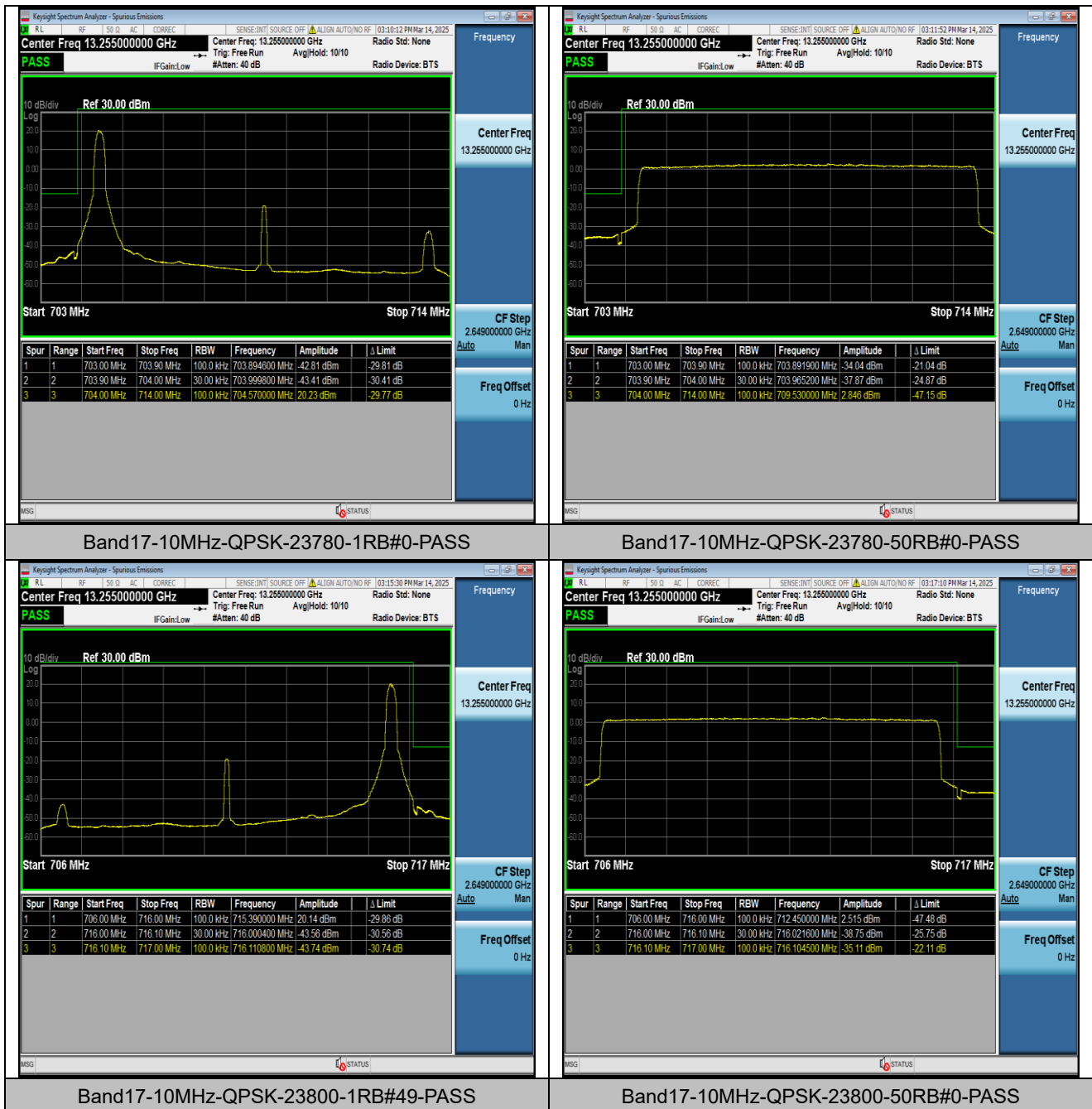




Band Edge

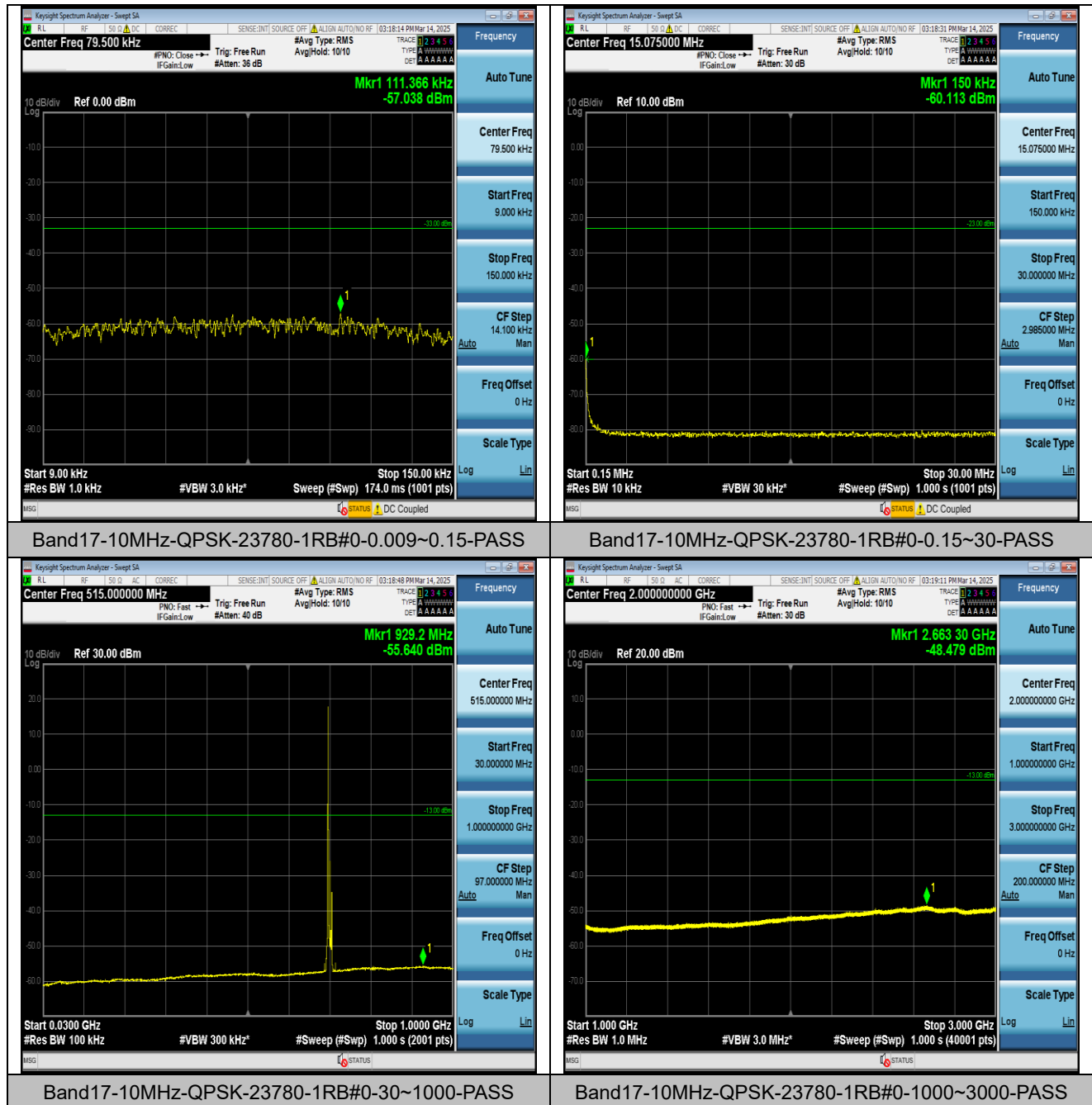
Test Graphs

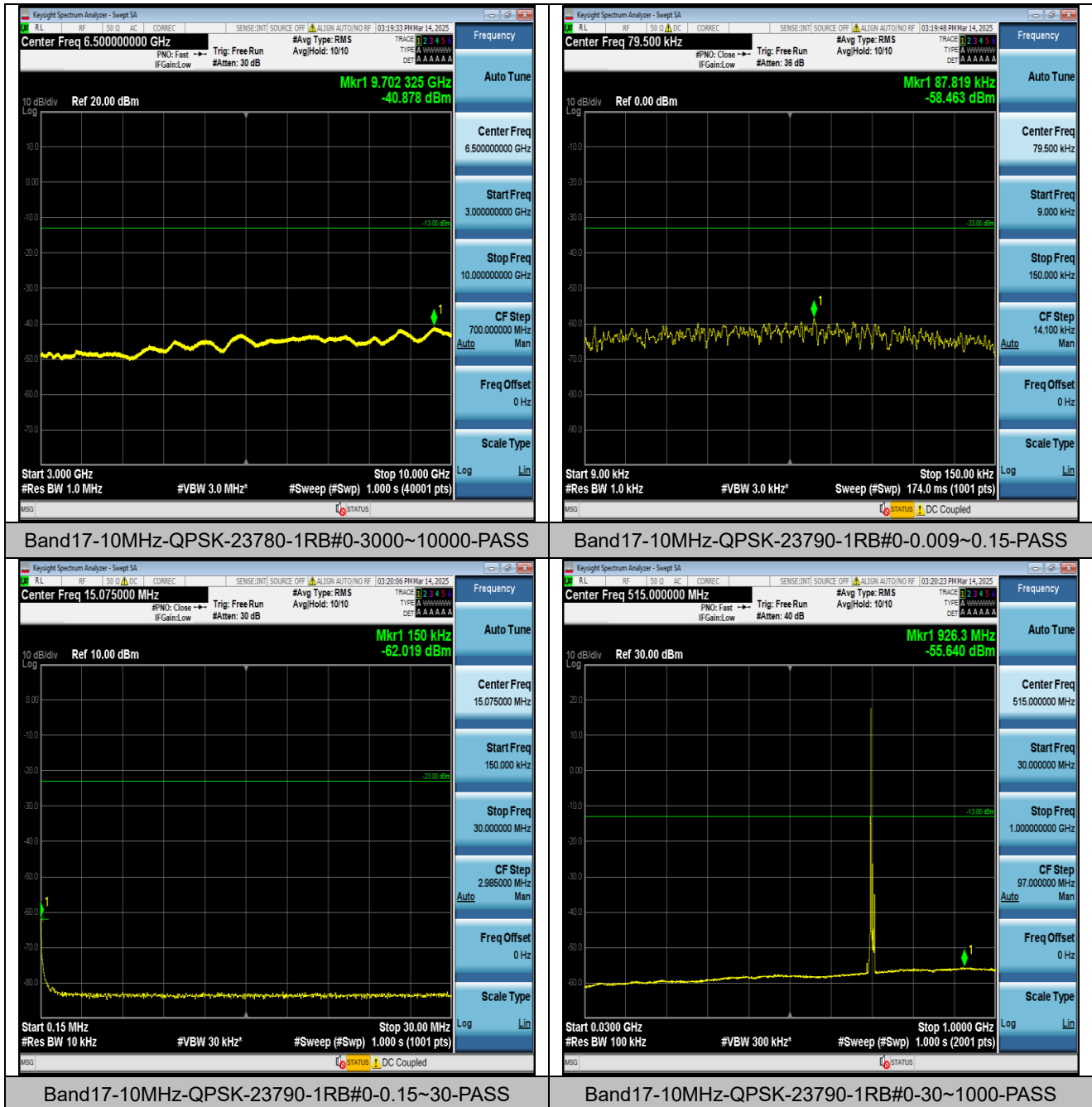


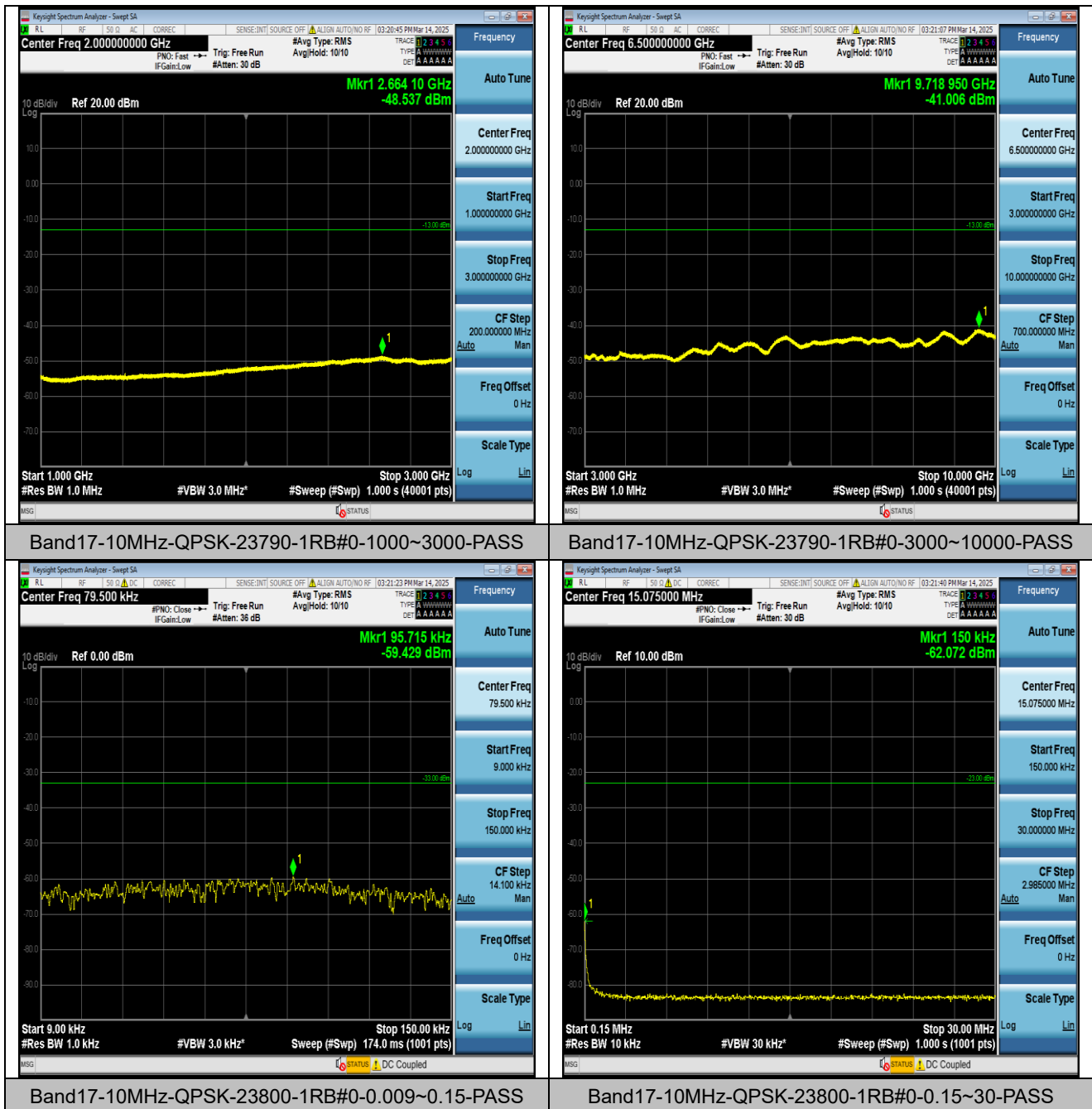


Conducted Spurious Emission

Test Graphs

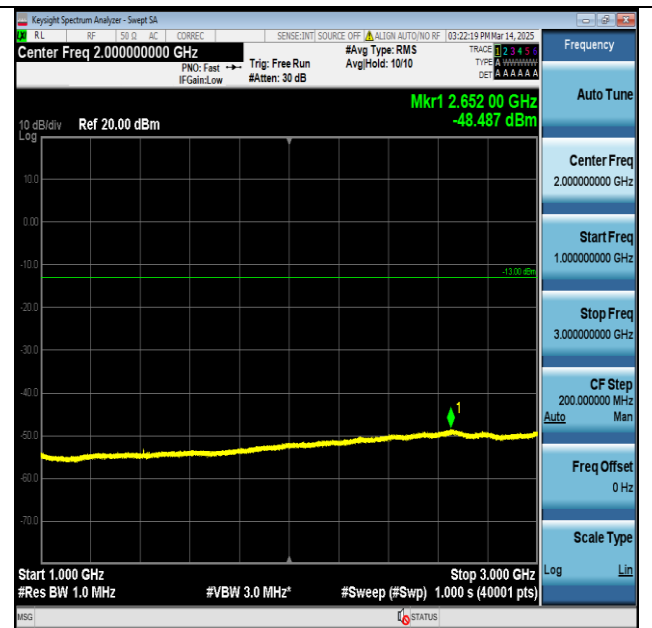




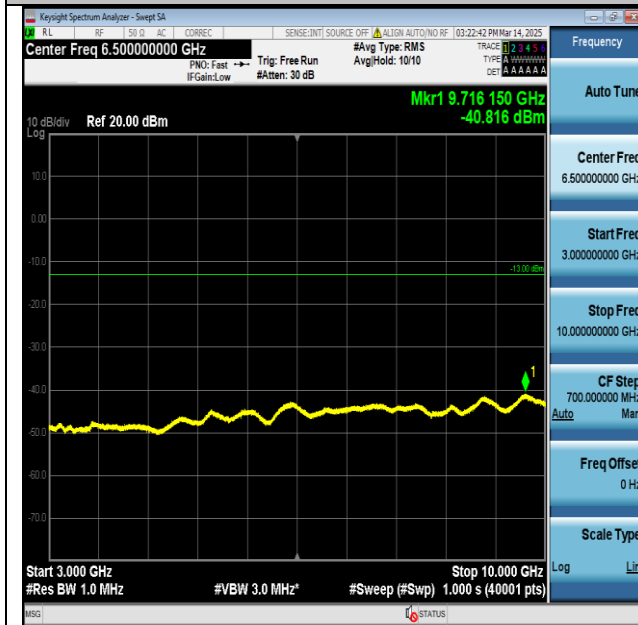




Band17-10MHz-QPSK-23800-1RB#0-30~1000-PASS



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	0.20	0.000282	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	1.60	0.002254	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	0.80	0.001127	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	1.90	0.002676	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	0.60	0.000845	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	1.10	0.001549	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	0.80	0.001127	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	0.40	0.000563	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-0.10	-0.000141	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-0.10	-0.000141	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	0.50	0.000704	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	1.40	0.001972	PASS

~The End~