

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	23.69	21.04	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.85	21.2	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.27	20.62	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.79	20.14	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.61	20.96	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.3	20.65	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.15	20.5	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.72	20.07	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.74	21.09	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.05	20.4	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.07	20.42	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.73	20.08	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.72	20.07	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.43	19.78	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.37	19.72	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.75	19.1	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.38	19.73	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.32	19.67	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.16	19.51	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.68	19.03	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.25	19.6	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.19	19.54	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.18	19.53	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.78	19.13	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	21.92	19.27	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#12	21.93	19.28	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	21.8	19.15	34.77	PASS
Band17	5MHz	64QAM	23755	25RB#0	20.77	18.12	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	22.06	19.41	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#12	22.01	19.36	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	21.83	19.18	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	20.82	18.17	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	21.71	19.06	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#12	22	19.35	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	21.65	19	34.77	PASS
Band17	5MHz	64QAM	23825	25RB#0	20.75	18.1	34.77	PASS

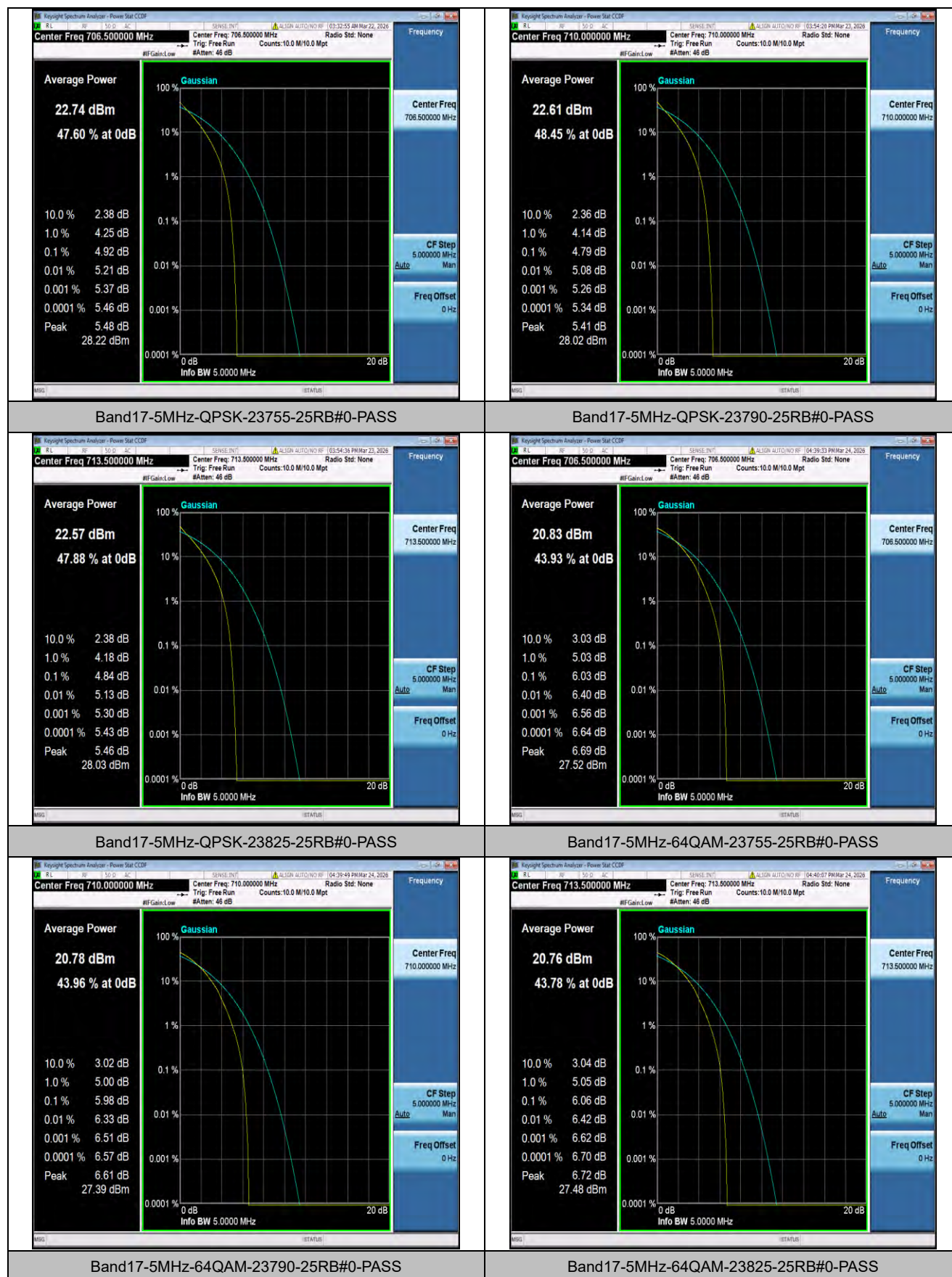
Band17	10MHz	QPSK	23780	1RB#0	23.78	21.13	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.72	21.07	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.62	20.97	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.8	20.15	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.52	20.87	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.28	20.63	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.12	20.47	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.8	20.15	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.25	20.6	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.36	20.71	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.08	20.43	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.73	20.08	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.98	20.33	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.74	20.09	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.55	19.9	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.75	19.1	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.79	20.14	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.62	19.97	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.21	19.56	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.77	19.12	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.43	19.78	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.23	19.58	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.35	19.7	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.73	19.08	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	21.94	19.29	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#24	21.86	19.21	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#49	22.02	19.37	34.77	PASS
Band17	10MHz	64QAM	23780	50RB#0	20.81	18.16	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	21.83	19.18	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	22.14	19.49	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	21.76	19.11	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	20.73	18.08	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	21.4	18.75	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#24	21.37	18.72	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#49	21.39	18.74	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	20.74	18.09	34.77	PASS

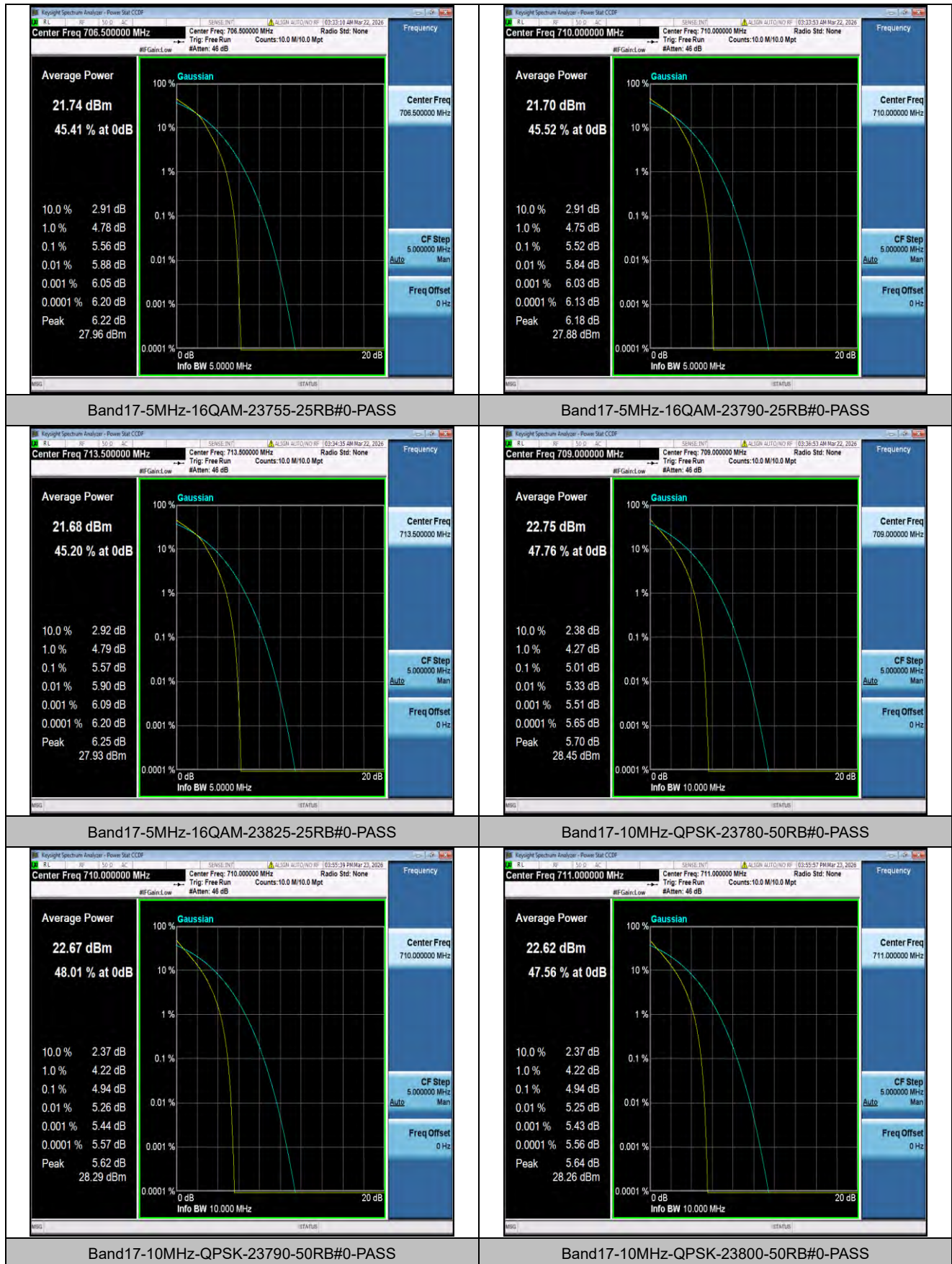
Peak-to-Average Ratio(CCDF)

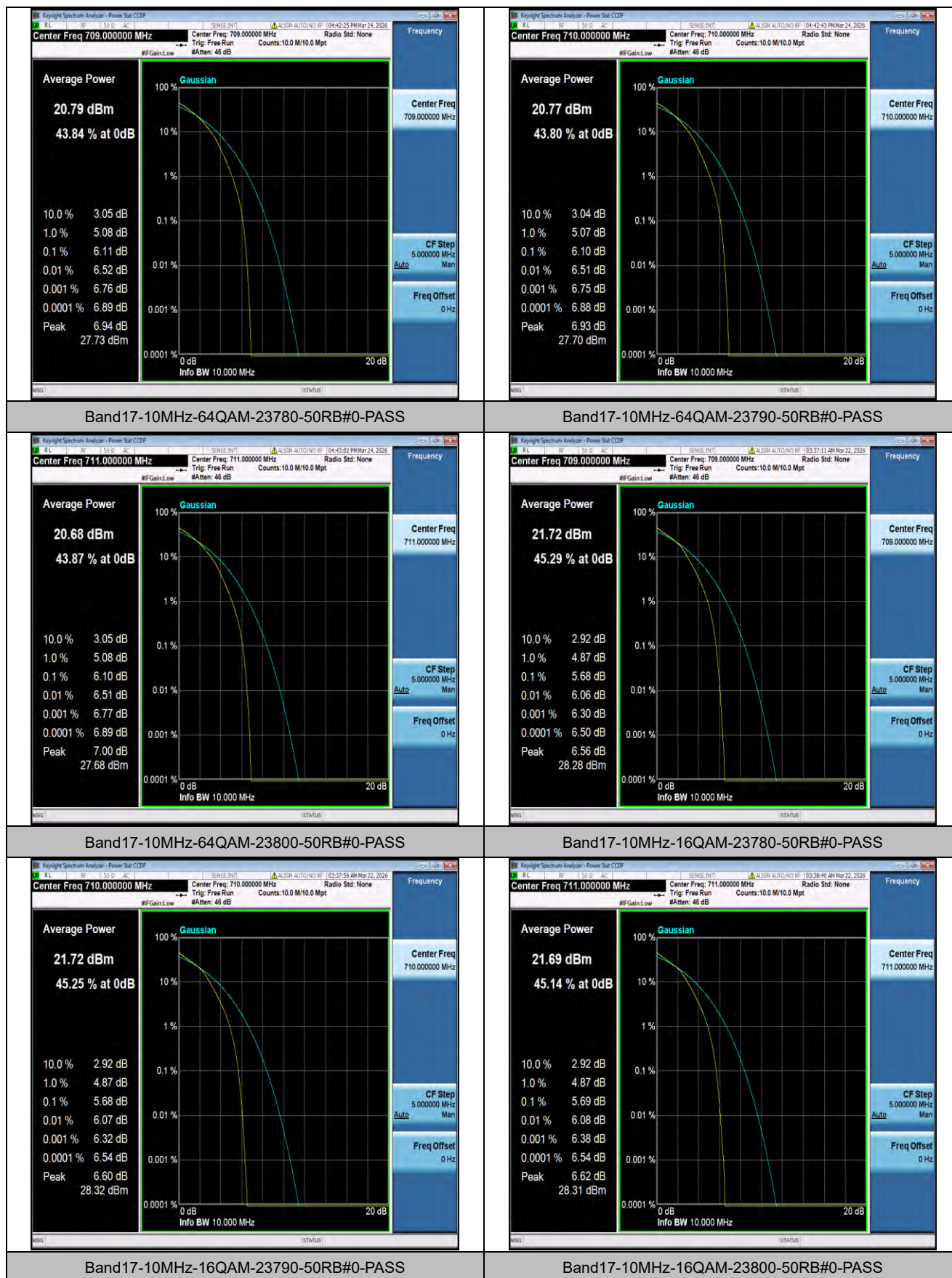
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.92	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.79	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.84	13	PASS
Band17	5MHz	64QAM	23755	25RB#0	6.03	13	PASS
Band17	5MHz	64QAM	23790	25RB#0	5.98	13	PASS
Band17	5MHz	64QAM	23825	25RB#0	6.06	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	5.56	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.52	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.57	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.01	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	4.94	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	4.94	13	PASS
Band17	10MHz	64QAM	23780	50RB#0	6.11	13	PASS
Band17	10MHz	64QAM	23790	50RB#0	6.10	13	PASS
Band17	10MHz	64QAM	23800	50RB#0	6.10	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.68	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.68	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.69	13	PASS

Test Graphs





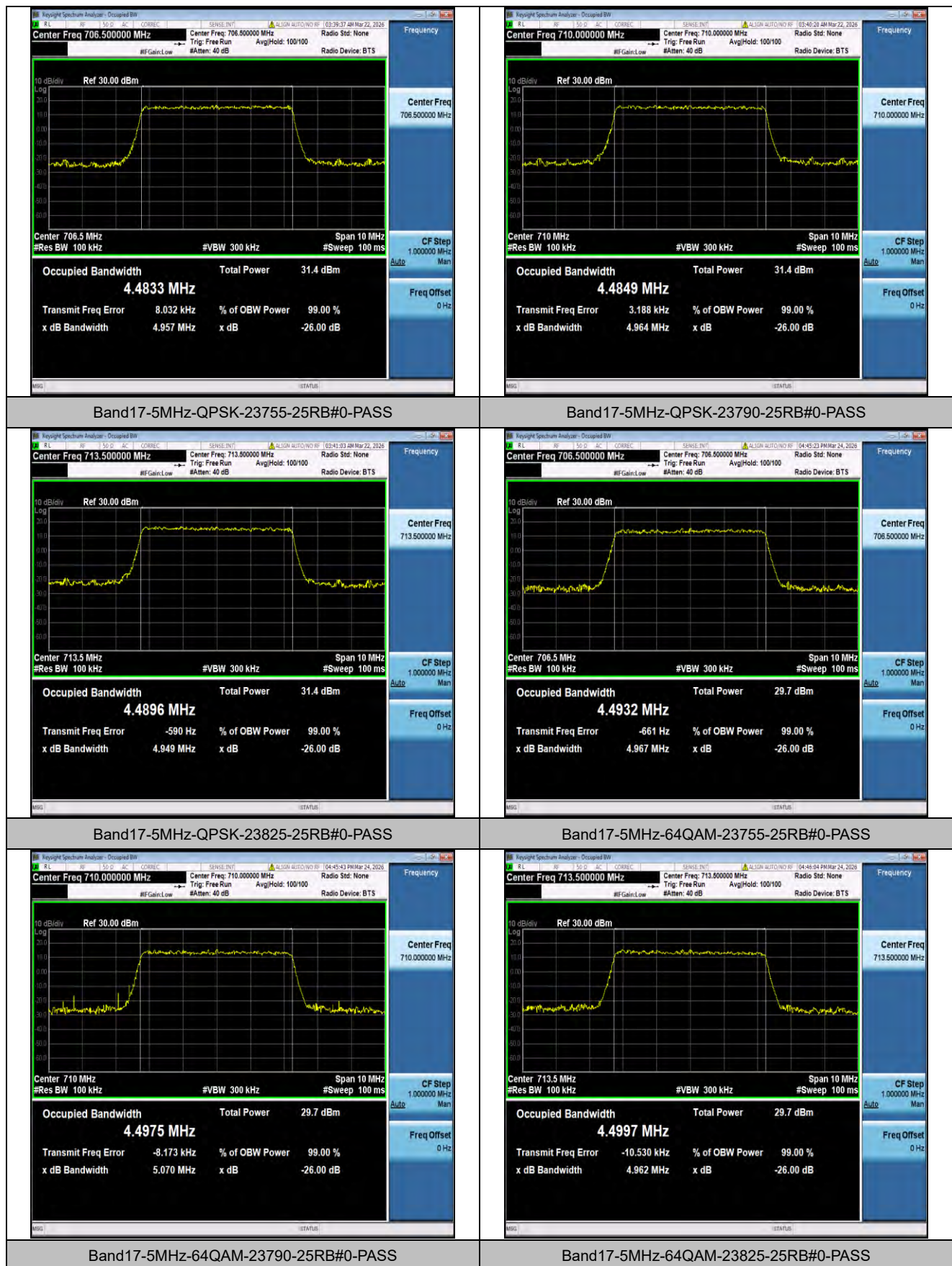


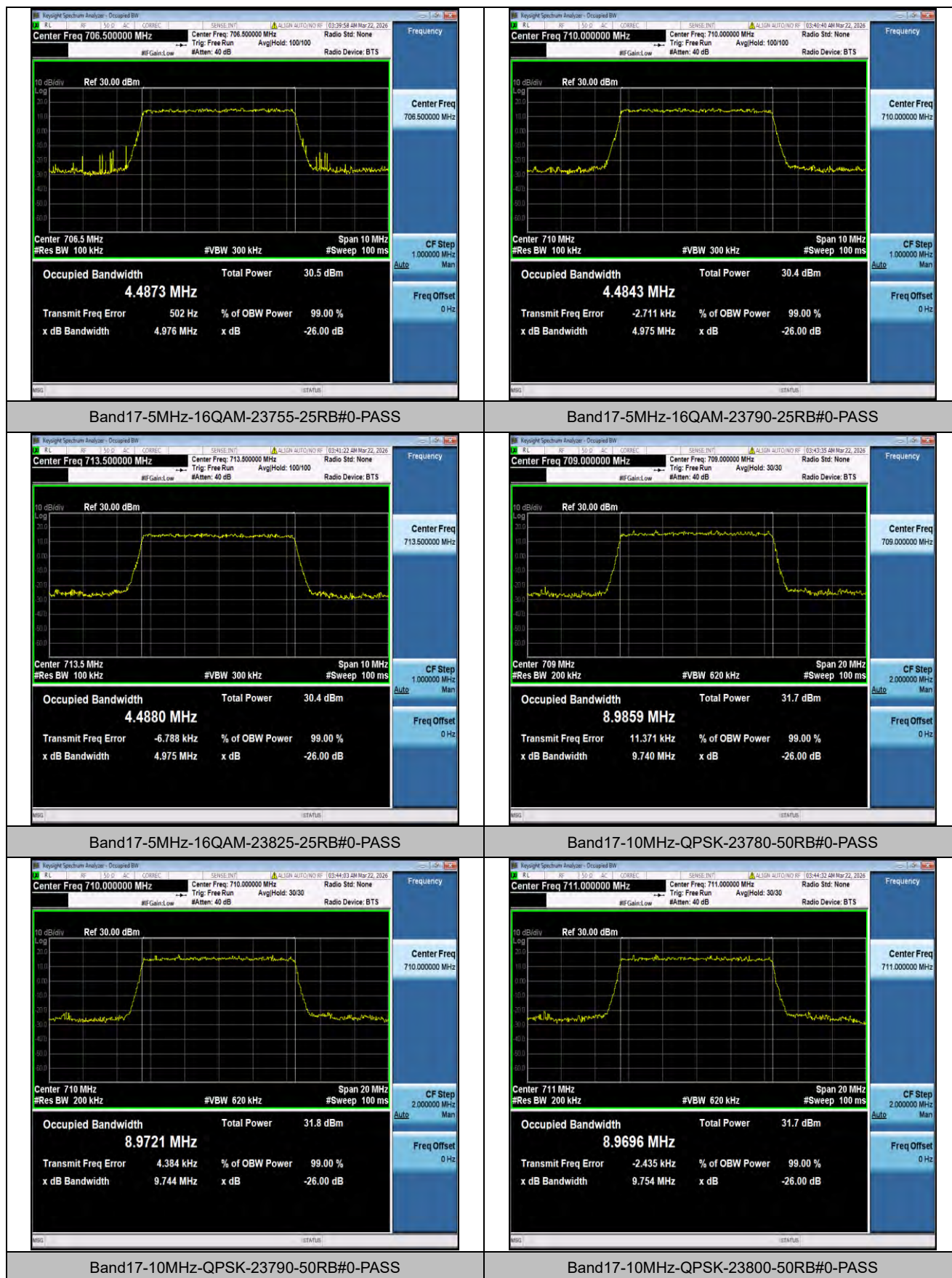
26dB Bandwidth and Occupied Bandwidth

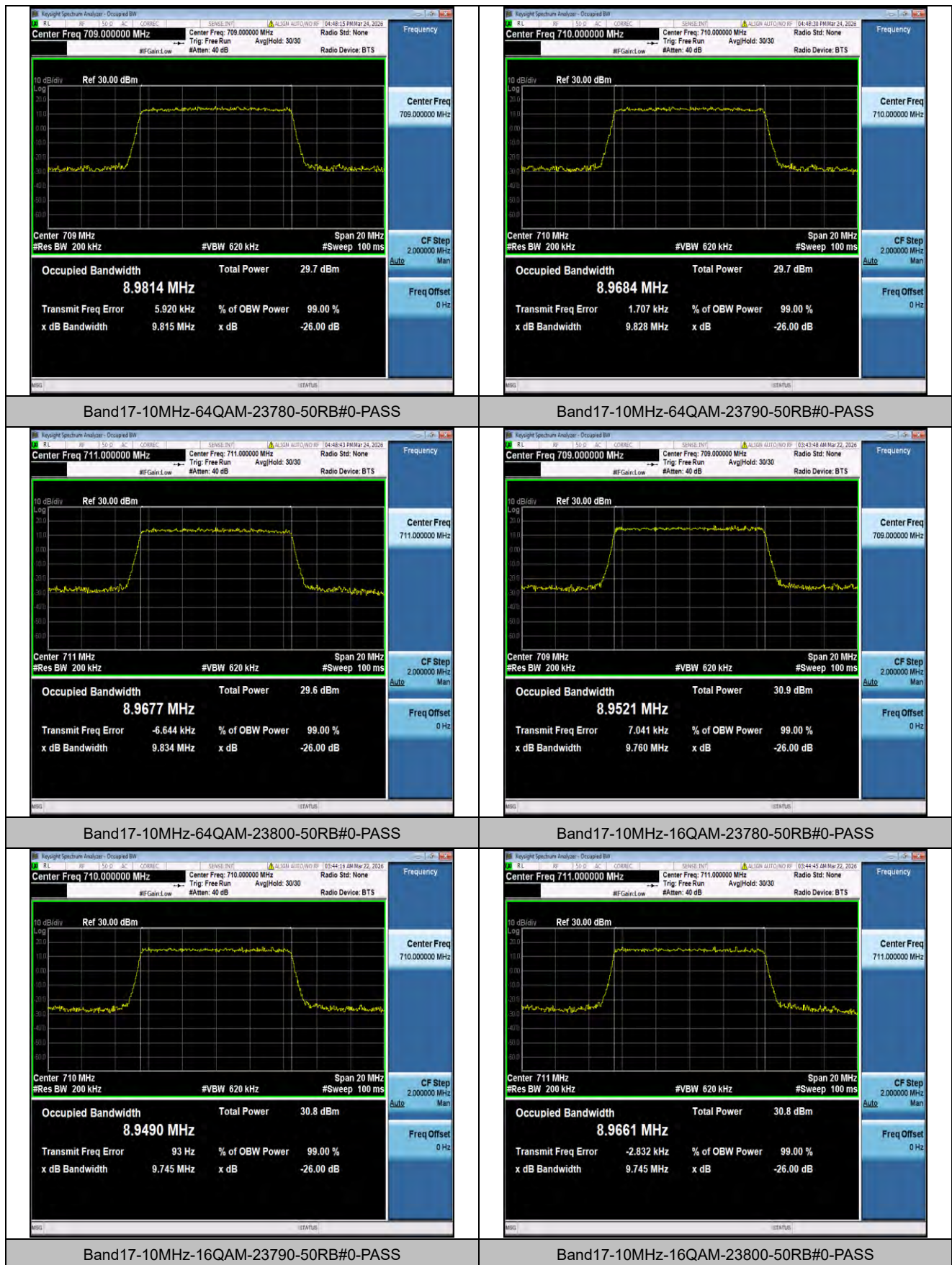
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.4833	4.957	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4849	4.964	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4896	4.949	PASS
Band17	5MHz	64QAM	23755	25RB#0	4.4932	4.967	PASS
Band17	5MHz	64QAM	23790	25RB#0	4.4975	5.070	PASS
Band17	5MHz	64QAM	23825	25RB#0	4.4997	4.962	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4873	4.976	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4843	4.975	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.4880	4.975	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9859	9.740	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9721	9.744	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9696	9.754	PASS
Band17	10MHz	64QAM	23780	50RB#0	8.9814	9.815	PASS
Band17	10MHz	64QAM	23790	50RB#0	8.9684	9.828	PASS
Band17	10MHz	64QAM	23800	50RB#0	8.9677	9.834	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9521	9.760	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9490	9.745	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9661	9.745	PASS

Test Graphs

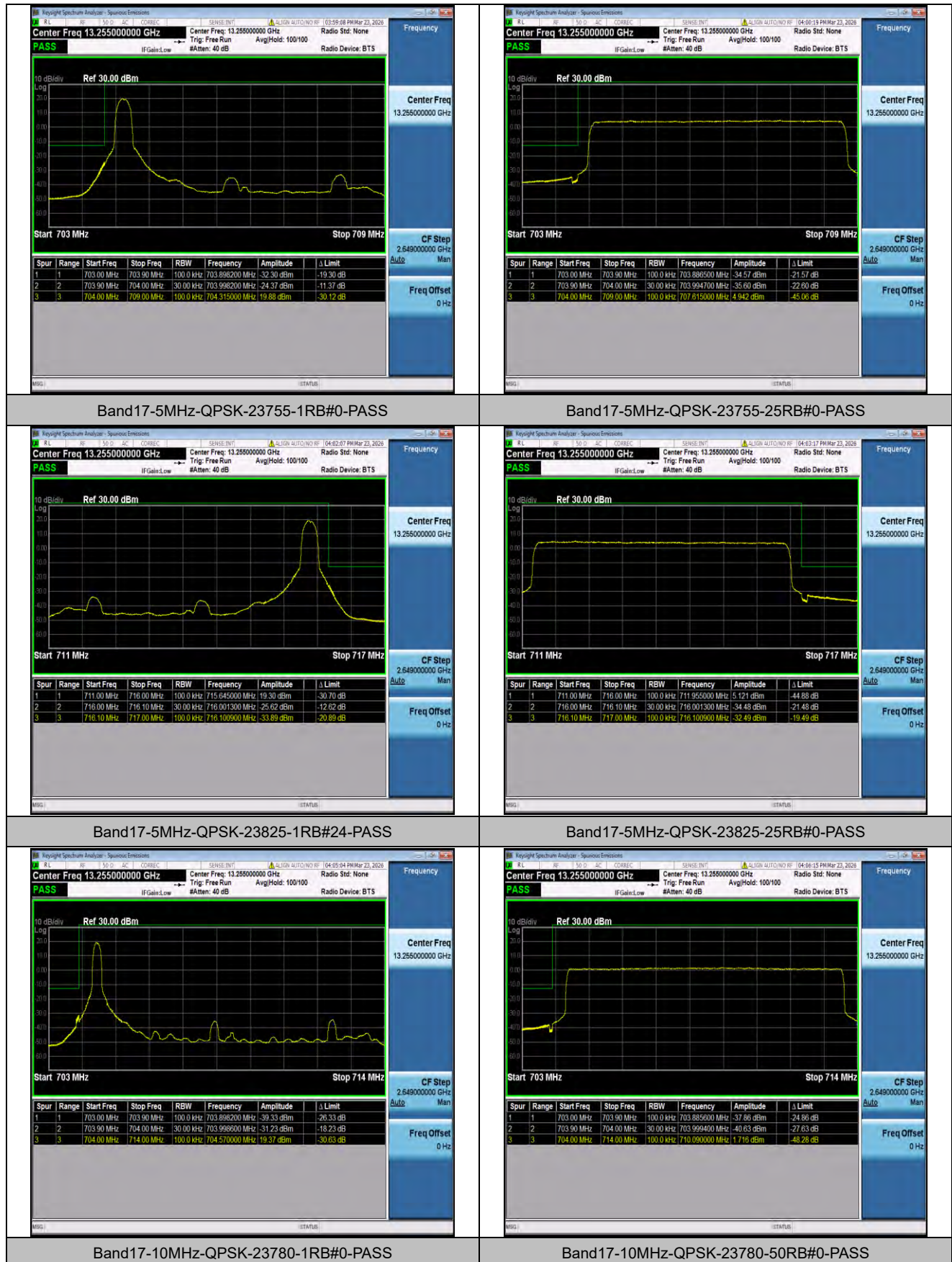


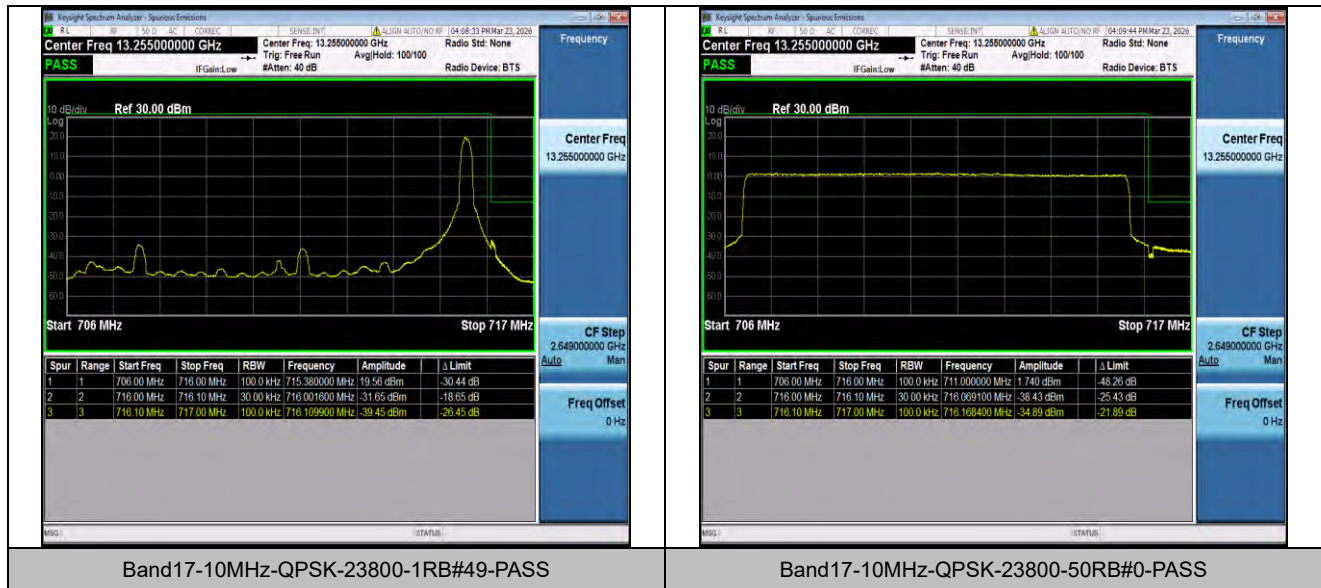




Band Edge

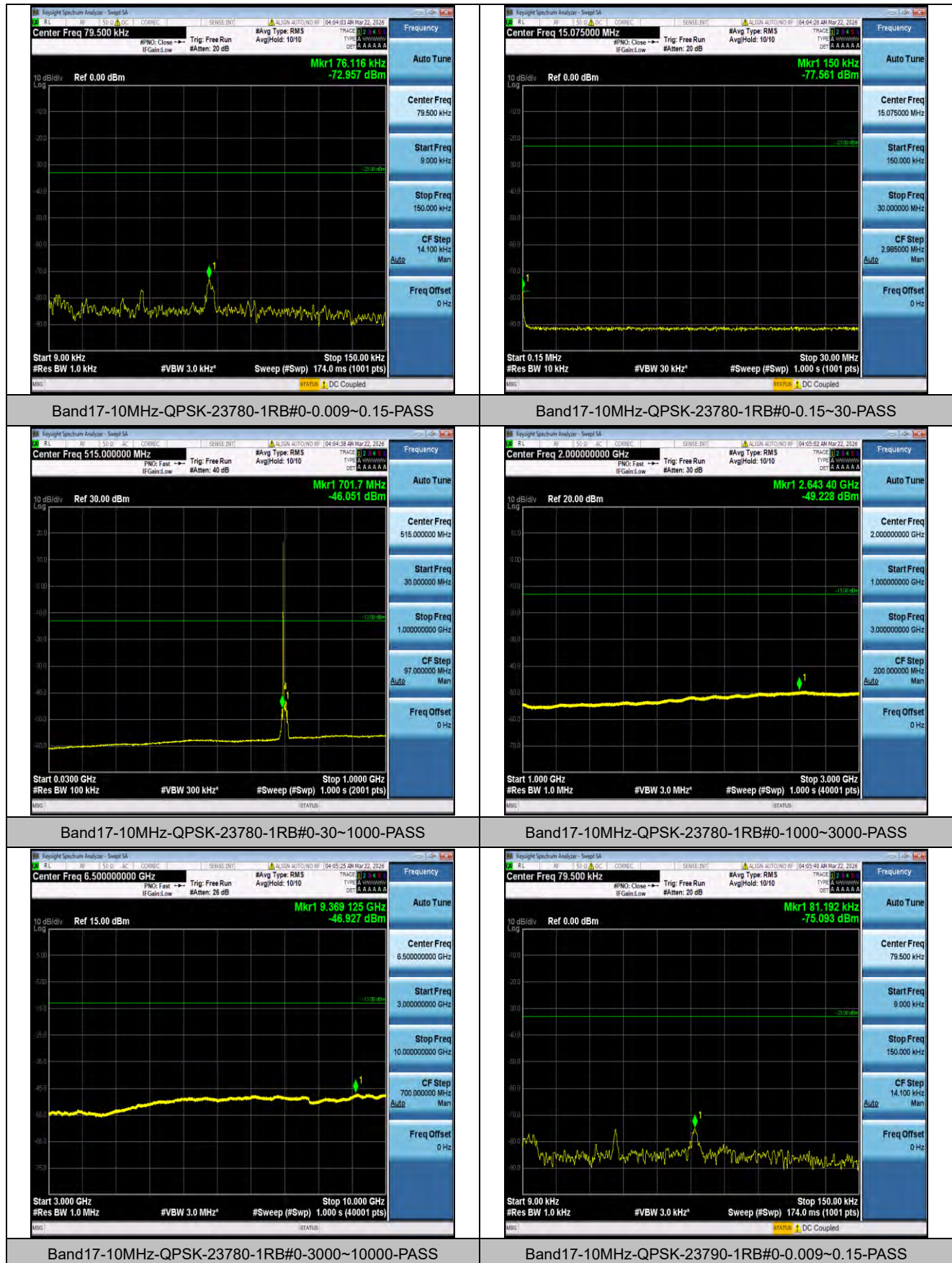
Test Graphs

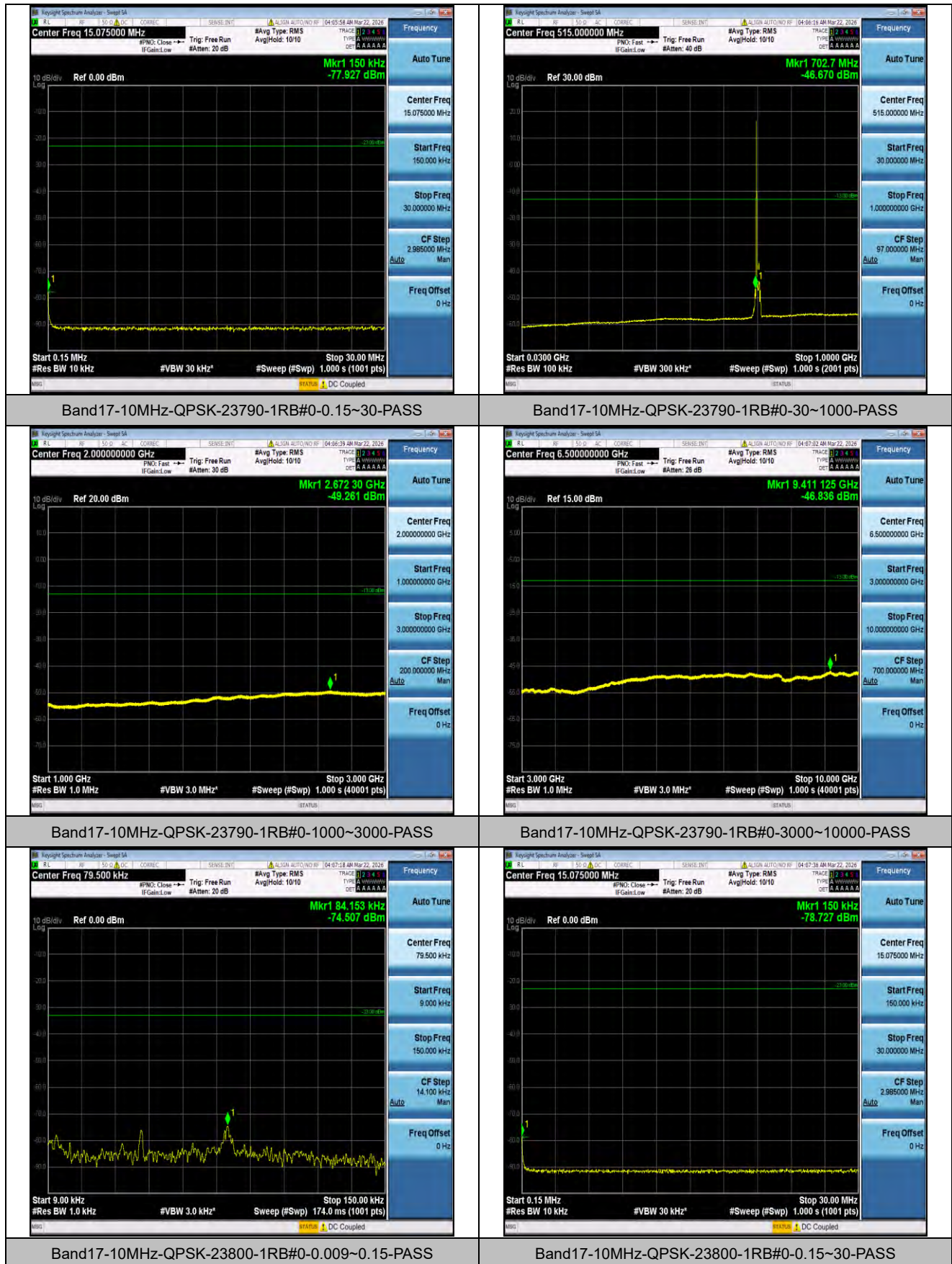


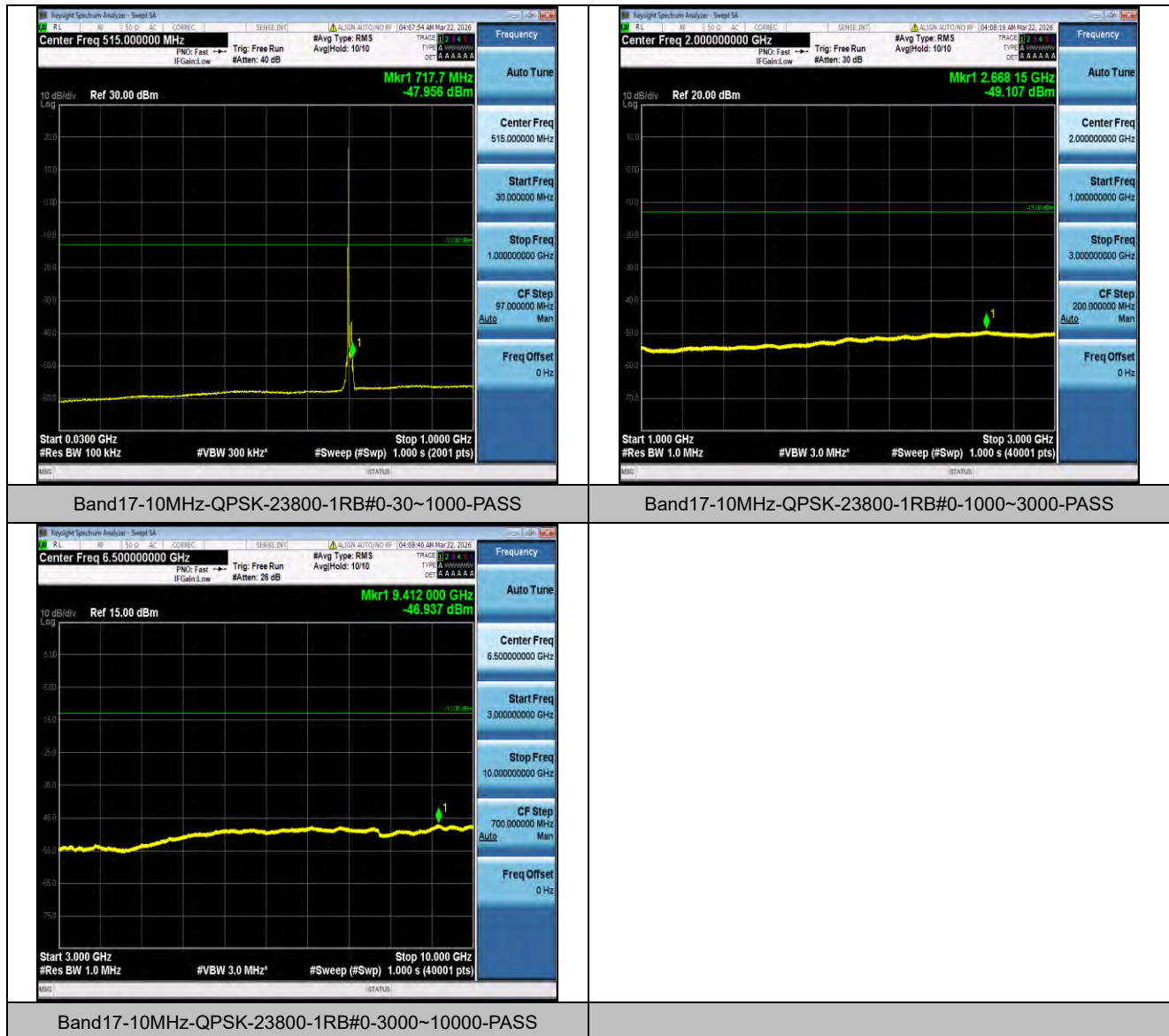


Conducted Spurious Emission

Test Graphs







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	-10.50	-0.014789	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-5.40	-0.007606	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	3.80	0.005352	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	-0.70	-0.000986	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-8.50	-0.011972	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	1.80	0.002535	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-4.30	-0.006056	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-4.10	-0.005775	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-6.90	-0.009718	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	2.00	0.002817	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	0.00	0.000000	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-1.20	-0.001690	PASS

~The End~