

Appendix-B LTE Band 17

Effective 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	24.39	23.82	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	23.62	23.05	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.94	23.37	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.6	23.03	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	24.17	23.60	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	23.5	22.93	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.79	23.22	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.65	23.08	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.23	22.66	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	23.56	22.99	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.55	22.98	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.6	23.03	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	23.76	23.19	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	22.74	22.17	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	23.37	22.80	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	23.05	22.48	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	23.5	22.93	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	22.54	21.97	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	23.15	22.58	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.94	22.37	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.59	22.02	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	22.53	21.96	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.84	22.27	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.98	22.41	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	24.59	24.02	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	23.51	22.94	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	24.22	23.65	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.35	22.78	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	24.32	23.75	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	23.45	22.88	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	24.11	23.54	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.63	23.06	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.09	22.52	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	23.3	22.73	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.92	23.35	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.91	23.34	34.77	PASS

Band17	10MHz	16QAM	23780	1RB#0	23.81	23.24	34.77	PASS
Band17	10MHz	16QAM	23780	27RB#0	22.51	21.94	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	23.52	22.95	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.75	22.18	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	23.73	23.16	34.77	PASS
Band17	10MHz	16QAM	23790	27RB#0	22.37	21.80	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.46	22.89	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.93	22.36	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.32	21.75	34.77	PASS
Band17	10MHz	16QAM	23800	27RB#0	22.39	21.82	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.2	22.63	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	23.26	22.69	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	5.23	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.31	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.35	13	PASS
Band17	10MHz	16QAM	23780	27RB#0	5.57	13	PASS
Band17	10MHz	16QAM	23790	27RB#0	5.66	13	PASS
Band17	10MHz	16QAM	23800	27RB#0	5.79	13	PASS

Test Graphs

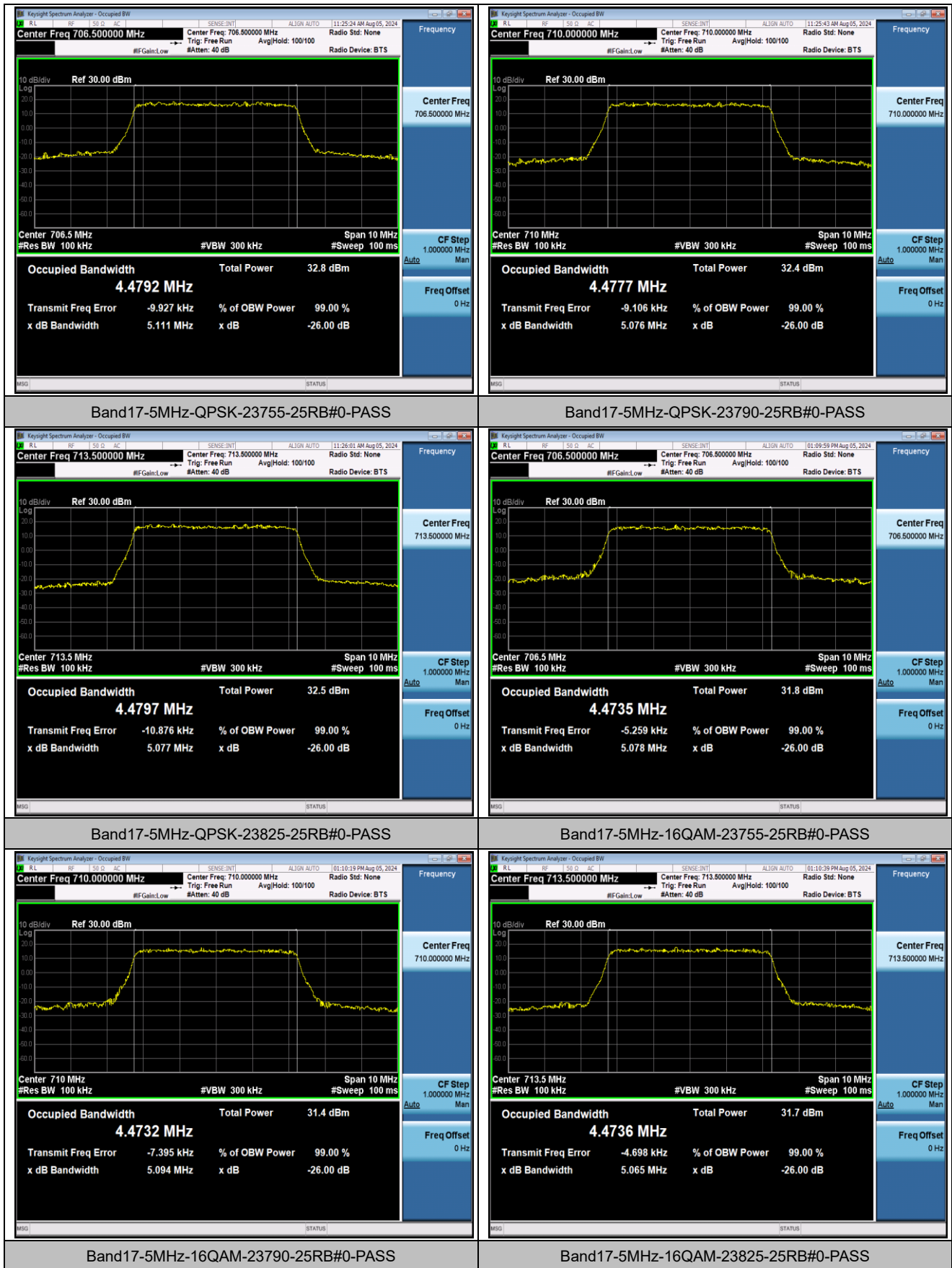


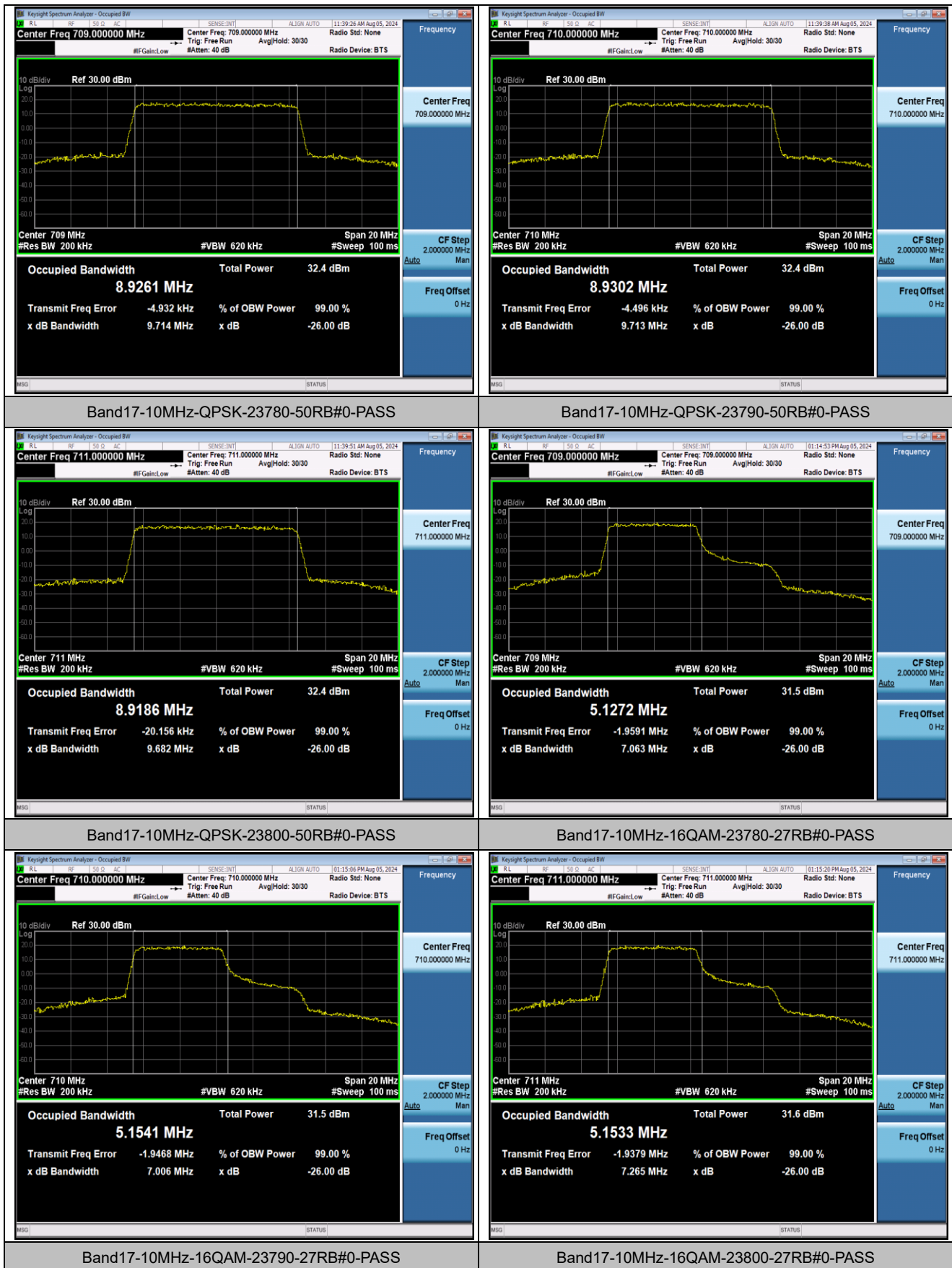
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.4792	5.111	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4777	5.076	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.4797	5.077	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.4735	5.078	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4732	5.094	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.4736	5.065	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9261	9.714	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9302	9.713	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9186	9.682	PASS
Band17	10MHz	16QAM	23780	27RB#0	5.1272	7.063	PASS
Band17	10MHz	16QAM	23790	27RB#0	5.1541	7.006	PASS
Band17	10MHz	16QAM	23800	27RB#0	5.1533	7.265	PASS

Test Graphs

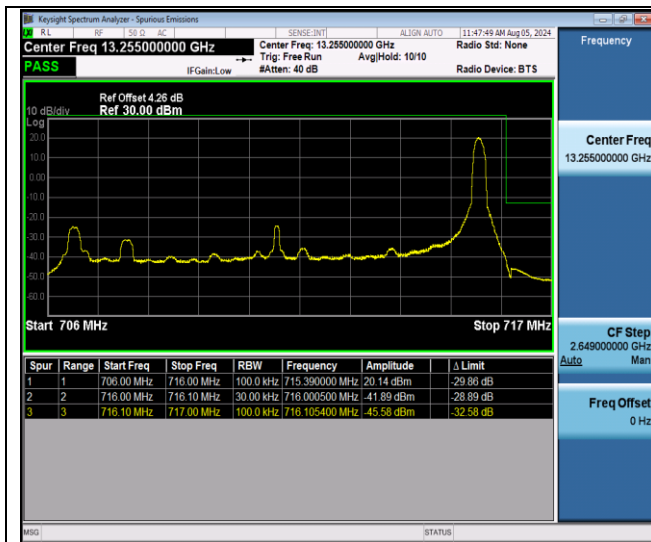




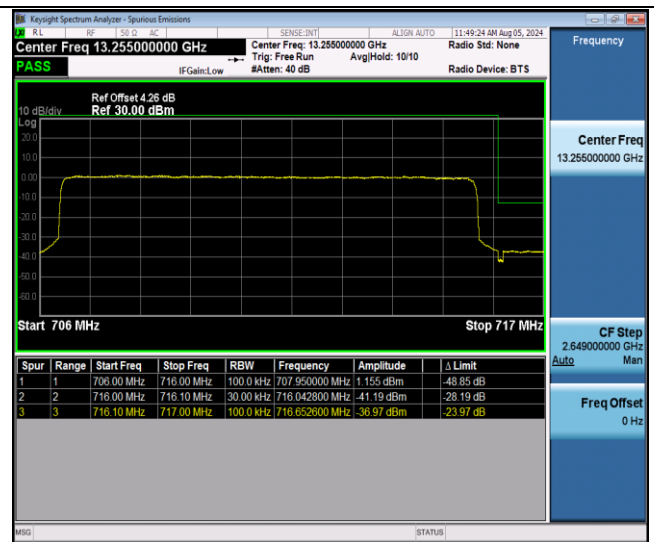
Band Edge

Test Graphs





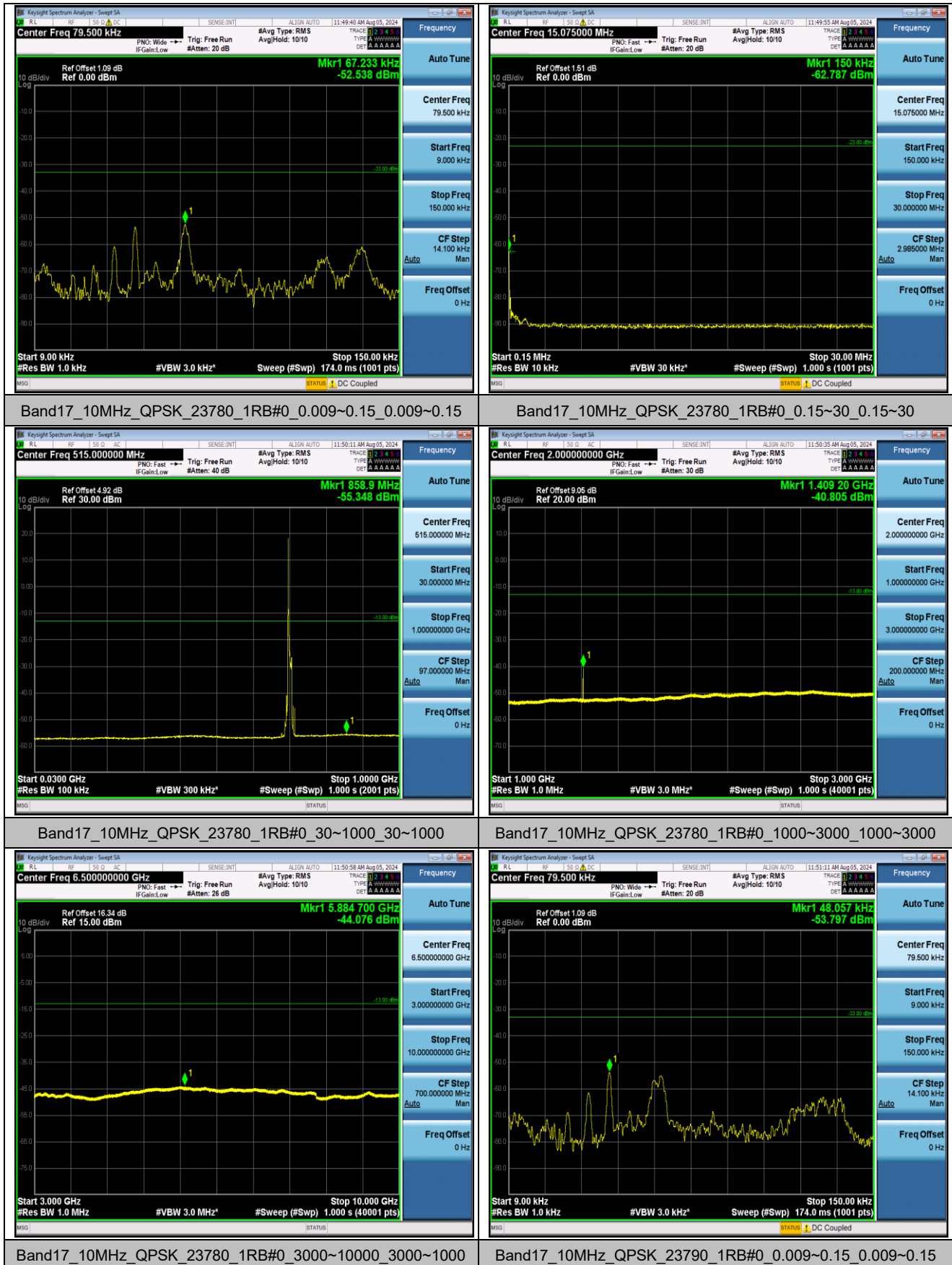
Band17_10MHz_QPSK_23800_1RB#49

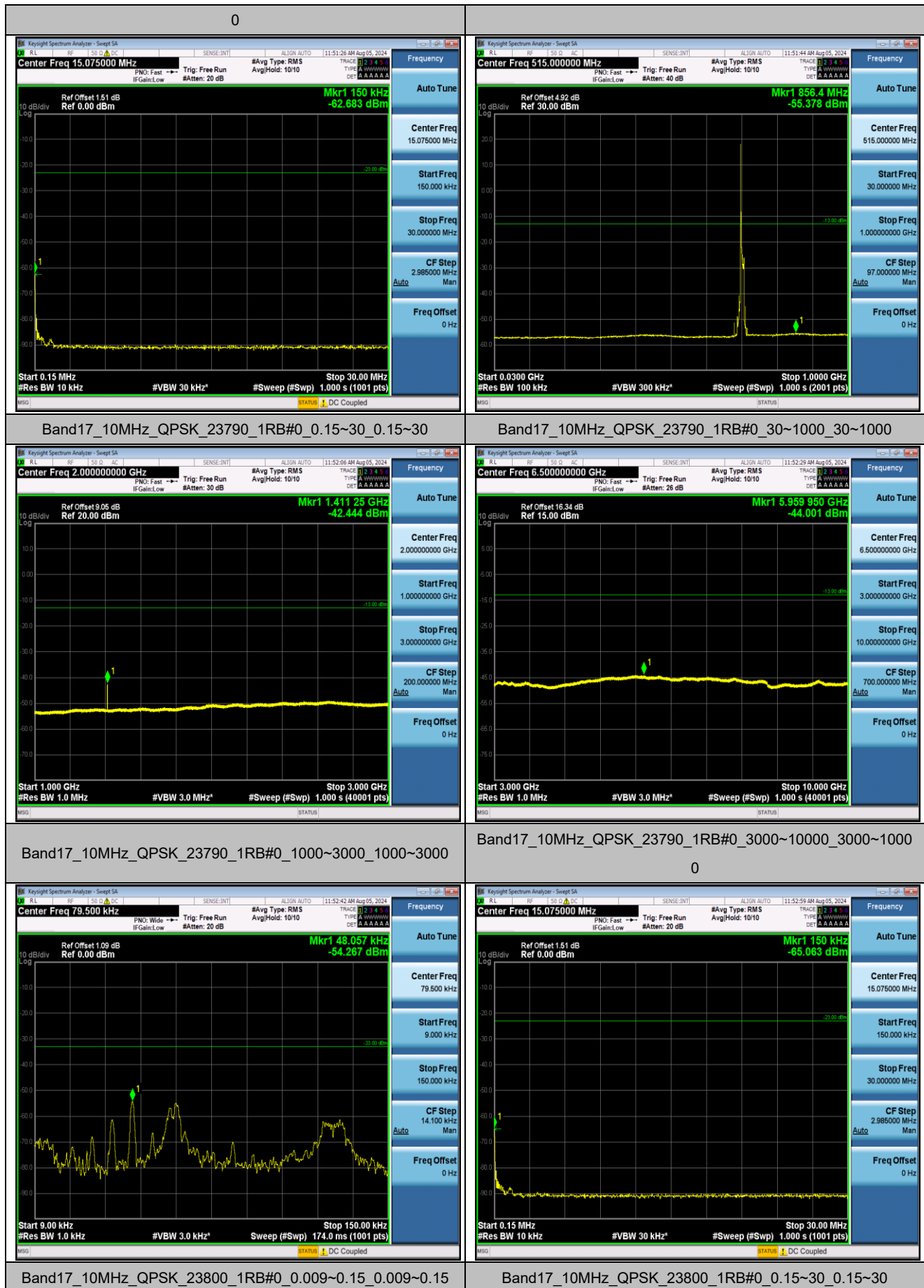


Band17_10MHz_QPSK_23800_50RB#0

Conducted Spurious Emission

Test Graphs







Band17_10MHz_QPSK_23800_1RB#0_30~1000_30~1000



Band17_10MHz_QPSK_23800_1RB#0_1000~3000_1000~3000



Band17_10MHz_QPSK_23800_1RB#0_3000~10000_3000~1000

0

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	-2.03	-0.002859	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-8.71	-0.012268	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-8.11	-0.011423	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	-10.40	-0.014648	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-10.03	-0.014127	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-3.00	-0.004225	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-8.48	-0.011944	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-7.67	-0.010803	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-10.53	-0.014831	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-7.57	-0.010662	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-3.85	-0.005423	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-8.94	-0.012592	PASS