

Appendix-C LTE Band 17

Effective (Isotropic) Radiated Power Output Data

Test Result

Ant3:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	24.06	16.61	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	24	16.55	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	24.05	16.6	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	23.1	15.65	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	23.13	15.68	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	23.28	15.83	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.88	15.43	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	22.09	14.64	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	22.17	14.72	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#12	23.09	15.64	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	22.18	14.73	34.77	PASS
Band17	5MHz	64QAM	23755	25RB#0	21.03	13.58	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	24.12	16.67	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	24.05	16.6	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	24.08	16.63	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	23.12	15.67	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.98	15.53	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	23.27	15.82	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.98	15.53	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	22.16	14.71	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	22.66	15.21	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#12	22.49	15.04	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	22.29	14.84	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	21.2	13.75	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	24.07	16.62	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	24	16.55	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.54	16.09	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	23.08	15.63	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	23.42	15.97	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	23.1	15.65	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.68	15.23	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	22.02	14.57	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	22.63	15.18	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#12	22.58	15.13	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	22.01	14.56	34.77	PASS

Band17	5MHz	64QAM	23825	25RB#0	21.06	13.61	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	24.01	16.56	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	24.03	16.58	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.9	16.45	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	23.08	15.63	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	23.03	15.58	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.89	15.44	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.74	15.29	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	22.12	14.67	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	22.42	14.97	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#24	22.29	14.84	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#49	22.05	14.6	34.77	PASS
Band17	10MHz	64QAM	23780	50RB#0	21.15	13.7	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	24.05	16.6	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.99	16.54	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.98	16.53	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	23.08	15.63	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.86	15.41	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.12	15.67	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.71	15.26	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	22.13	14.68	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	22.39	14.94	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	22.38	14.93	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	22.35	14.9	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	21.1	13.65	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	24.01	16.56	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.93	16.48	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.72	16.27	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	23.05	15.6	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.96	15.51	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.3	15.85	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.82	15.37	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	22.11	14.66	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	22.19	14.74	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#24	22.43	14.98	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#49	22.26	14.81	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	21.08	13.63	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	4.74	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	5.72	13	PASS
Band17	5MHz	64QAM	23755	25RB#0	6.42	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.64	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.67	13	PASS
Band17	5MHz	64QAM	23790	25RB#0	6.42	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.70	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.71	13	PASS
Band17	5MHz	64QAM	23825	25RB#0	6.43	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	4.60	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.65	13	PASS
Band17	10MHz	64QAM	23780	50RB#0	6.41	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	4.56	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.64	13	PASS
Band17	10MHz	64QAM	23790	50RB#0	6.31	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	4.58	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.62	13	PASS
Band17	10MHz	64QAM	23800	50RB#0	6.35	13	PASS

Test Graphs





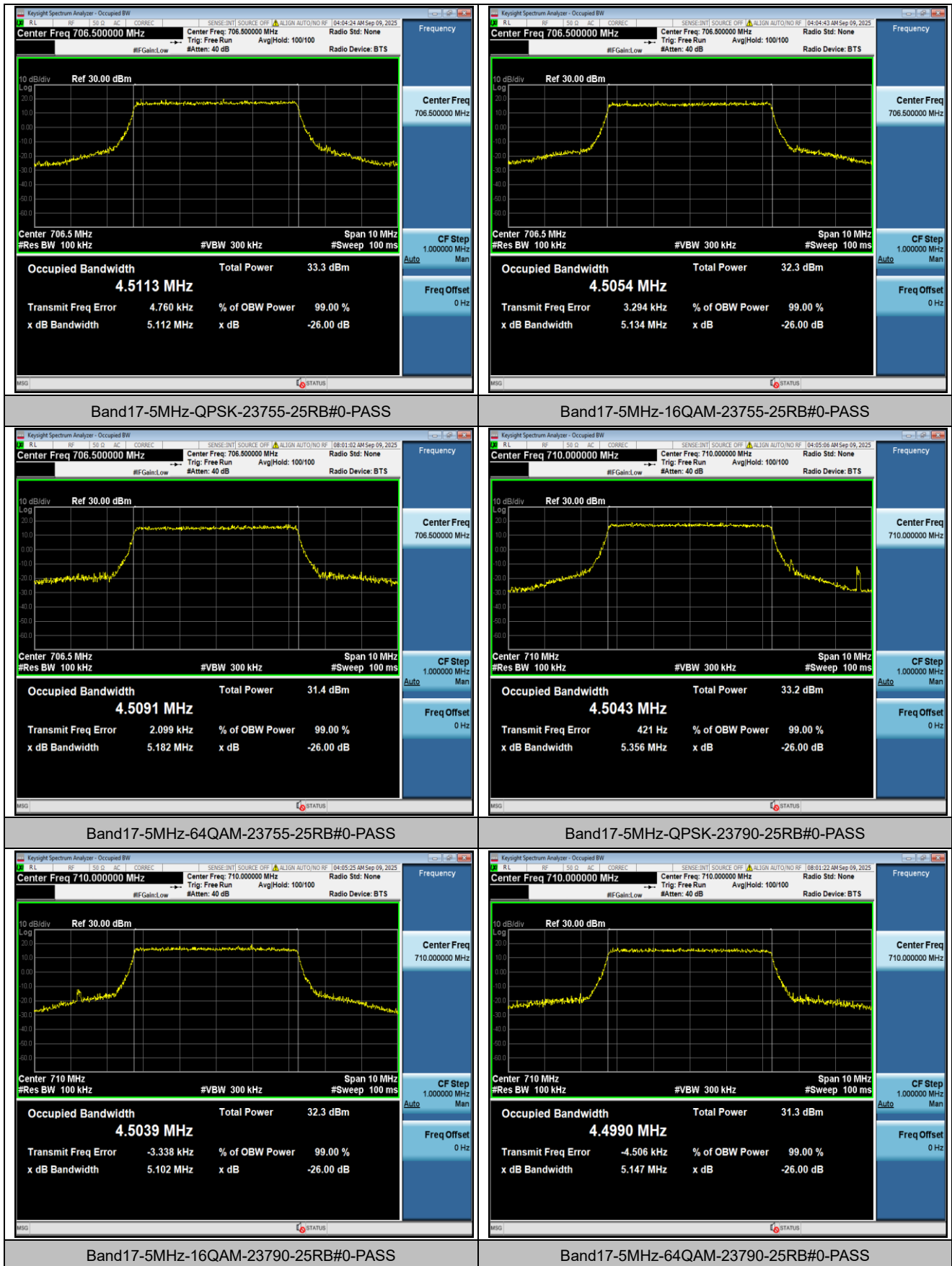


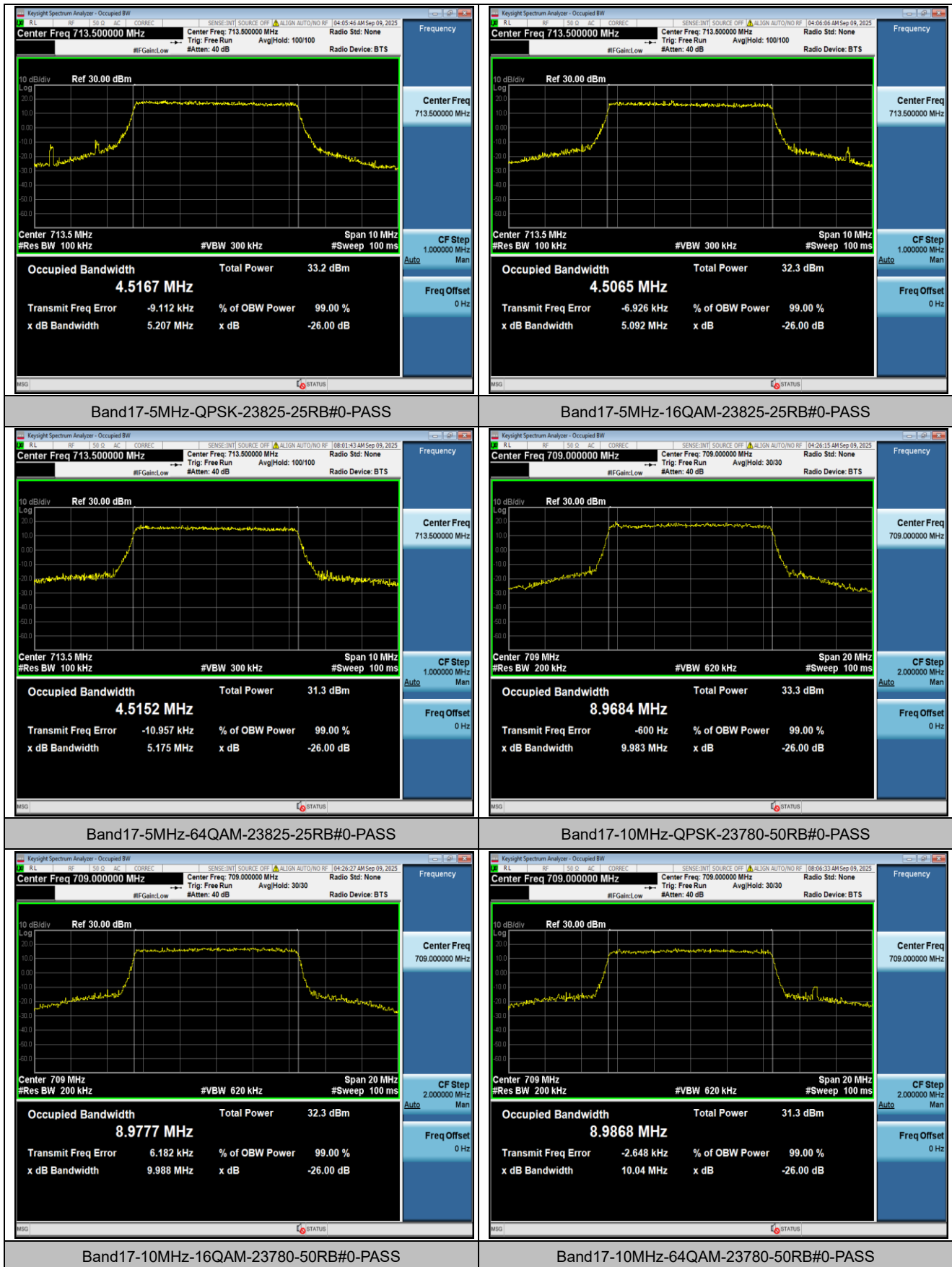
26dB Bandwidth and Occupied Bandwidth

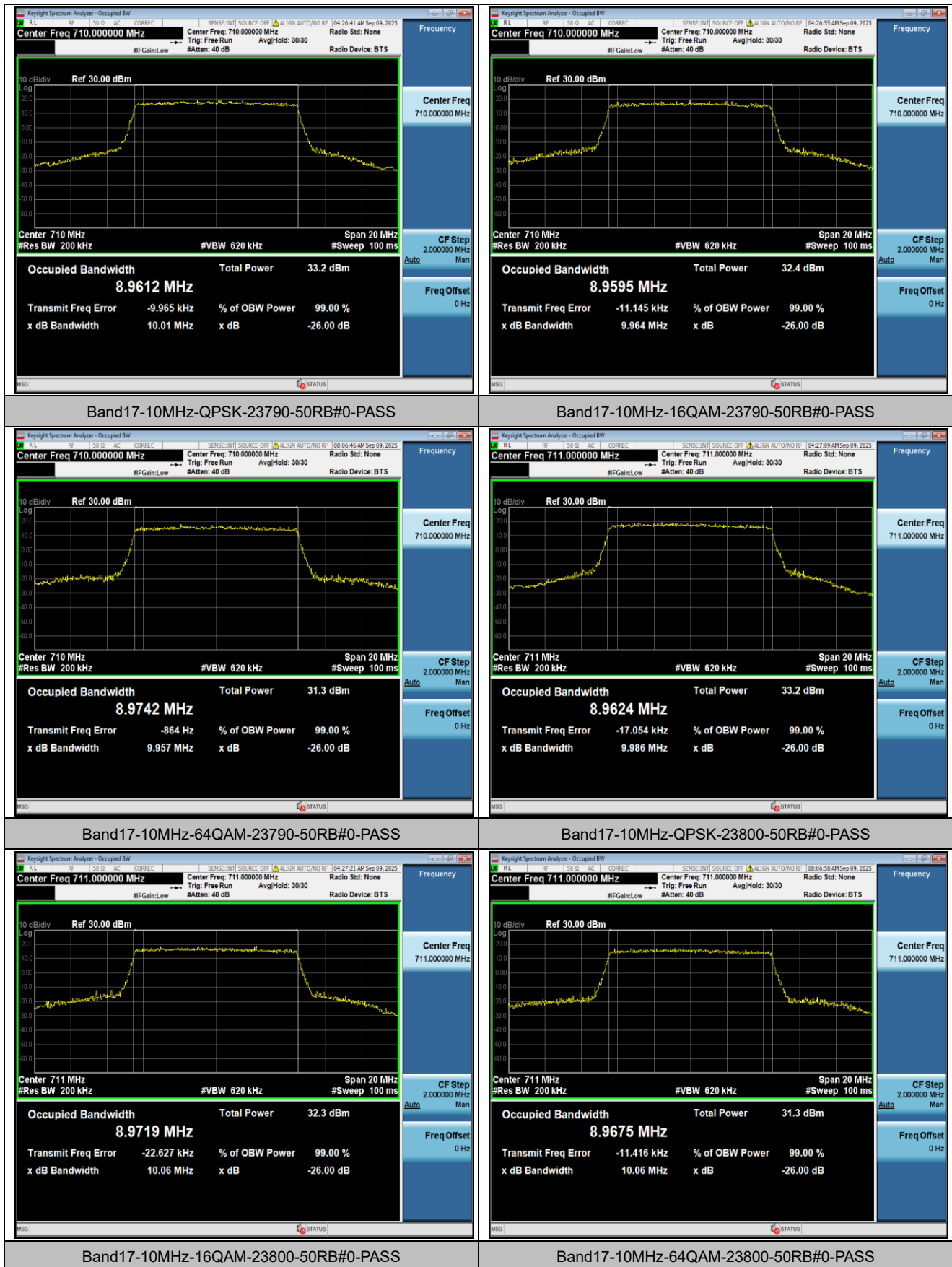
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5113	5.112	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5054	5.134	PASS
Band17	5MHz	64QAM	23755	25RB#0	4.5091	5.182	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.5043	5.356	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5039	5.102	PASS
Band17	5MHz	64QAM	23790	25RB#0	4.4990	5.147	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5167	5.207	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5065	5.092	PASS
Band17	5MHz	64QAM	23825	25RB#0	4.5152	5.175	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9684	9.983	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9777	9.988	PASS
Band17	10MHz	64QAM	23780	50RB#0	8.9868	10.04	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9612	10.01	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9595	9.964	PASS
Band17	10MHz	64QAM	23790	50RB#0	8.9742	9.957	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9624	9.986	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9719	10.06	PASS
Band17	10MHz	64QAM	23800	50RB#0	8.9675	10.06	PASS

Test Graphs

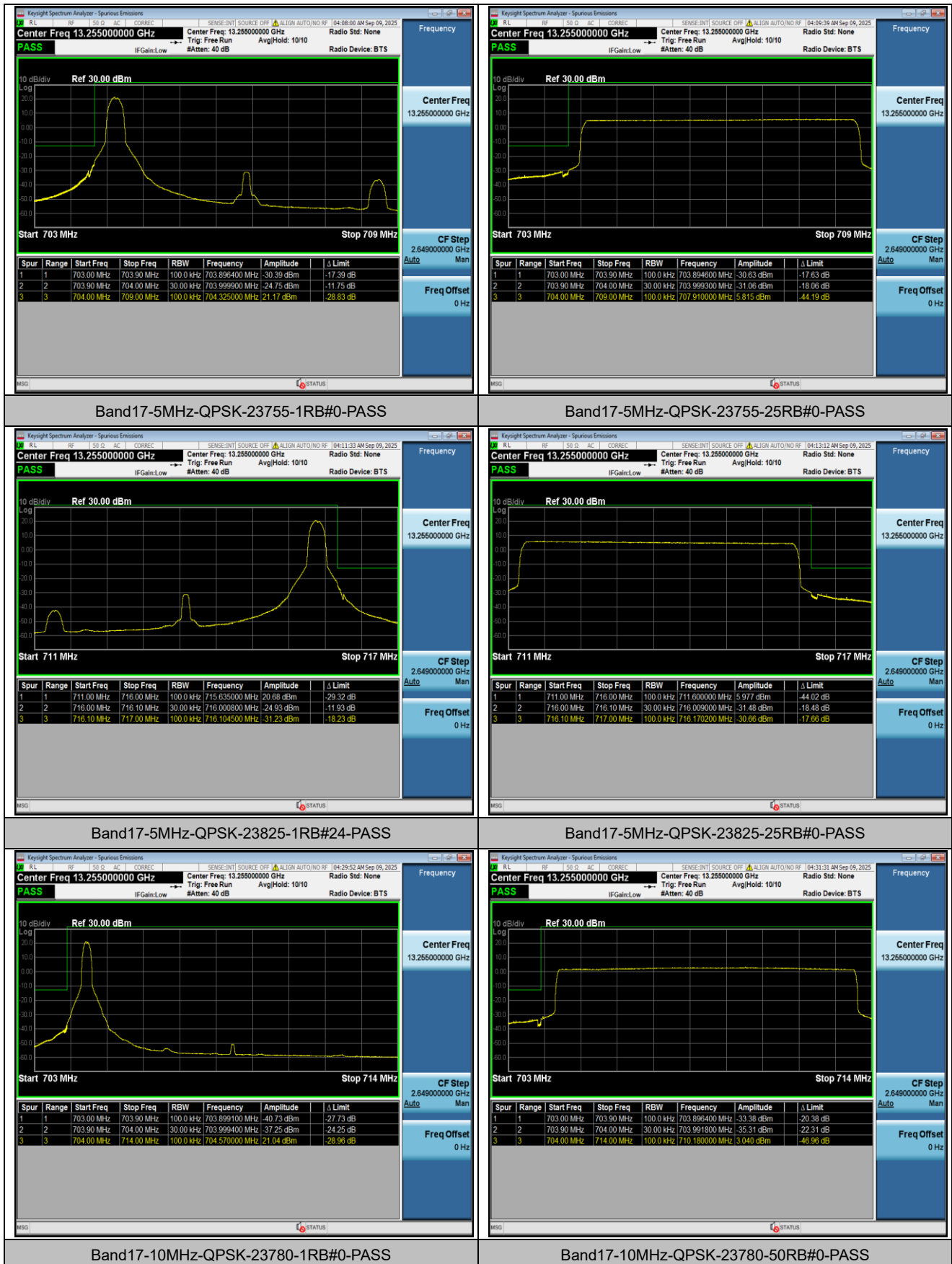


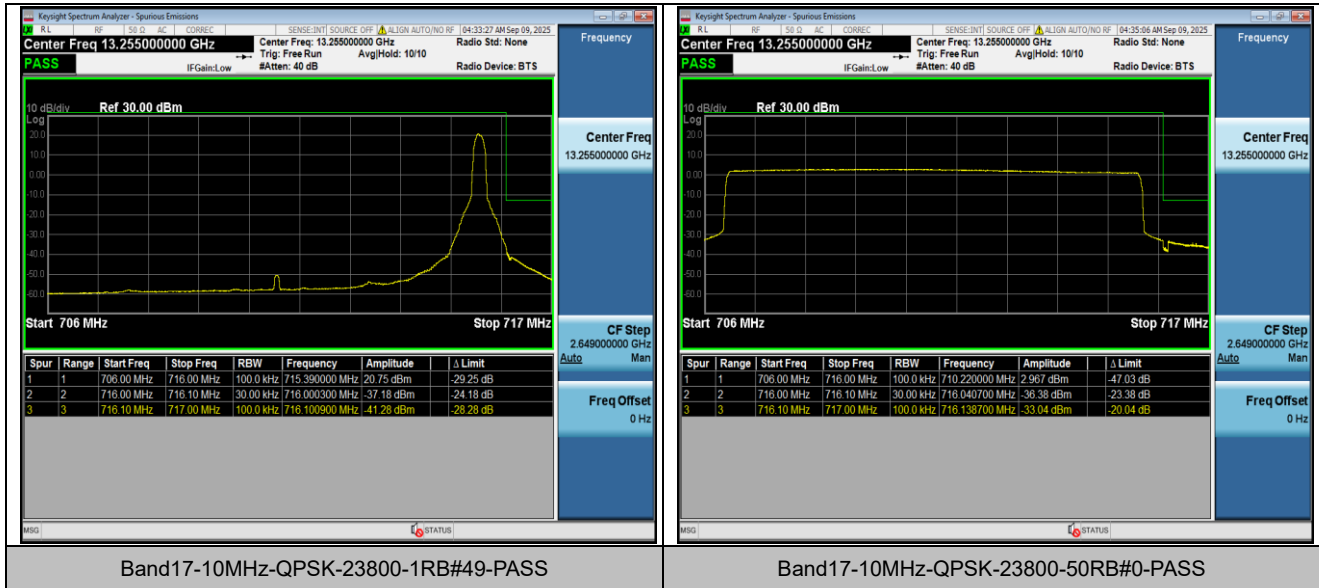




Band Edge

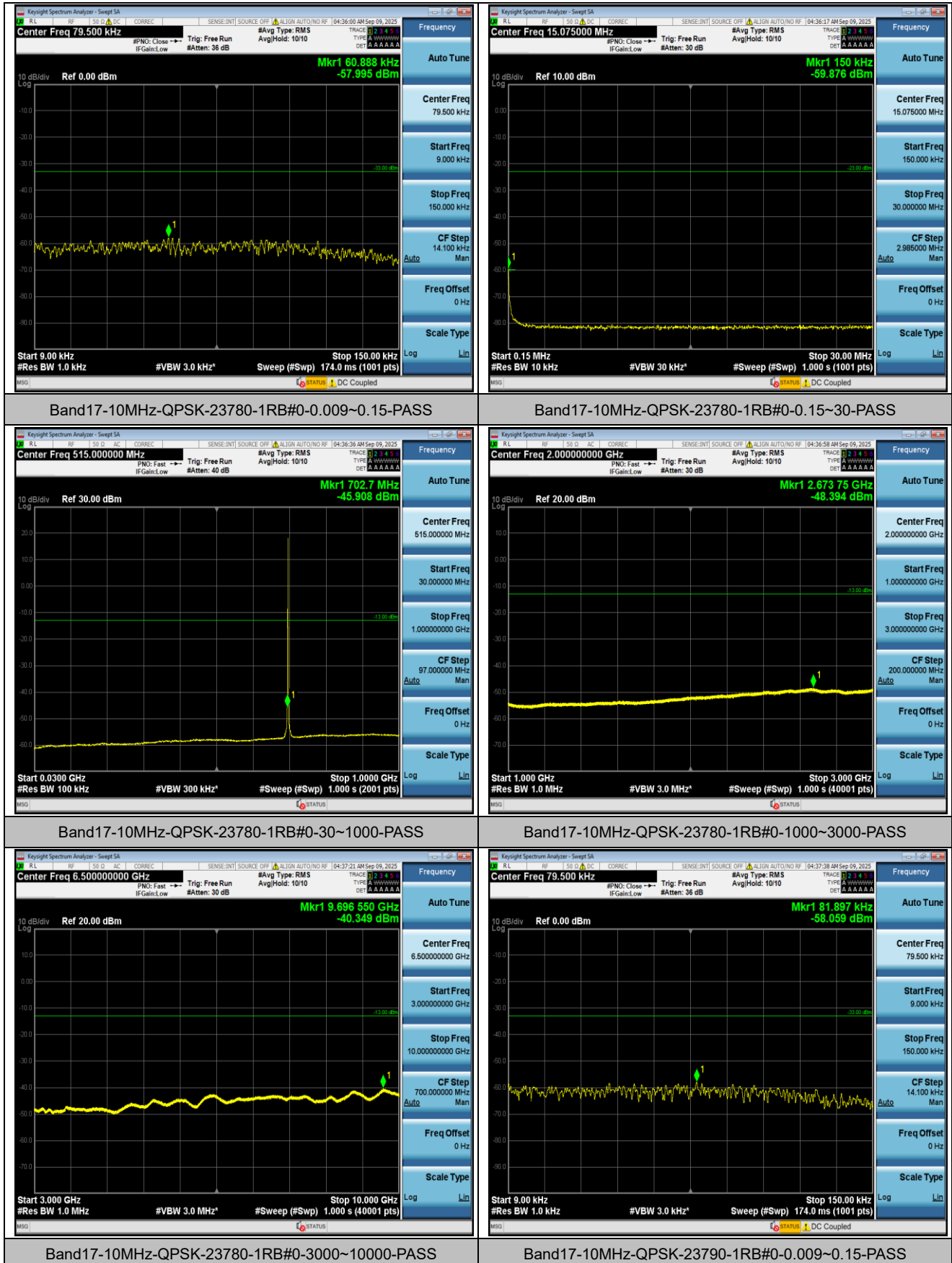
Test Graphs

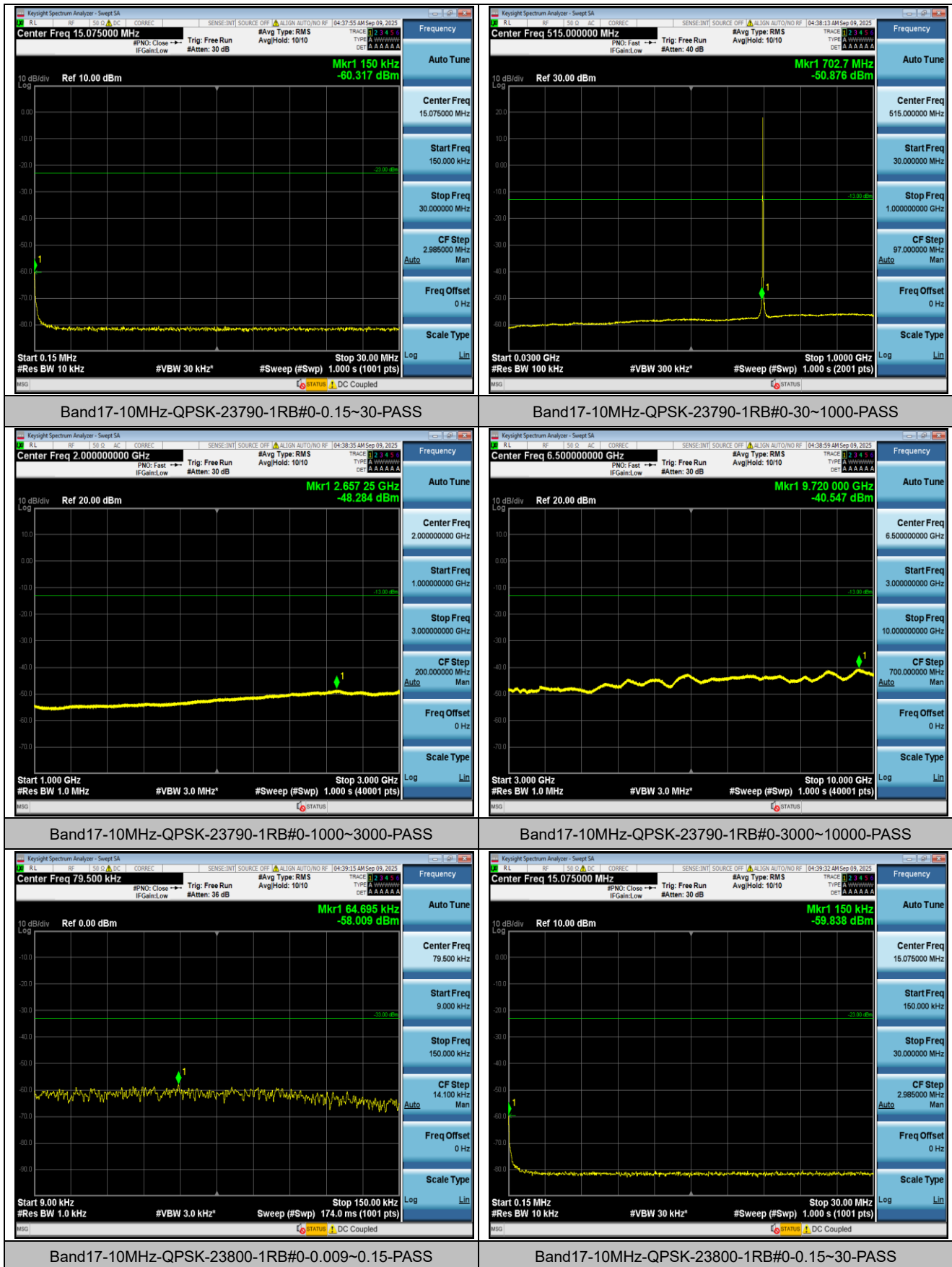


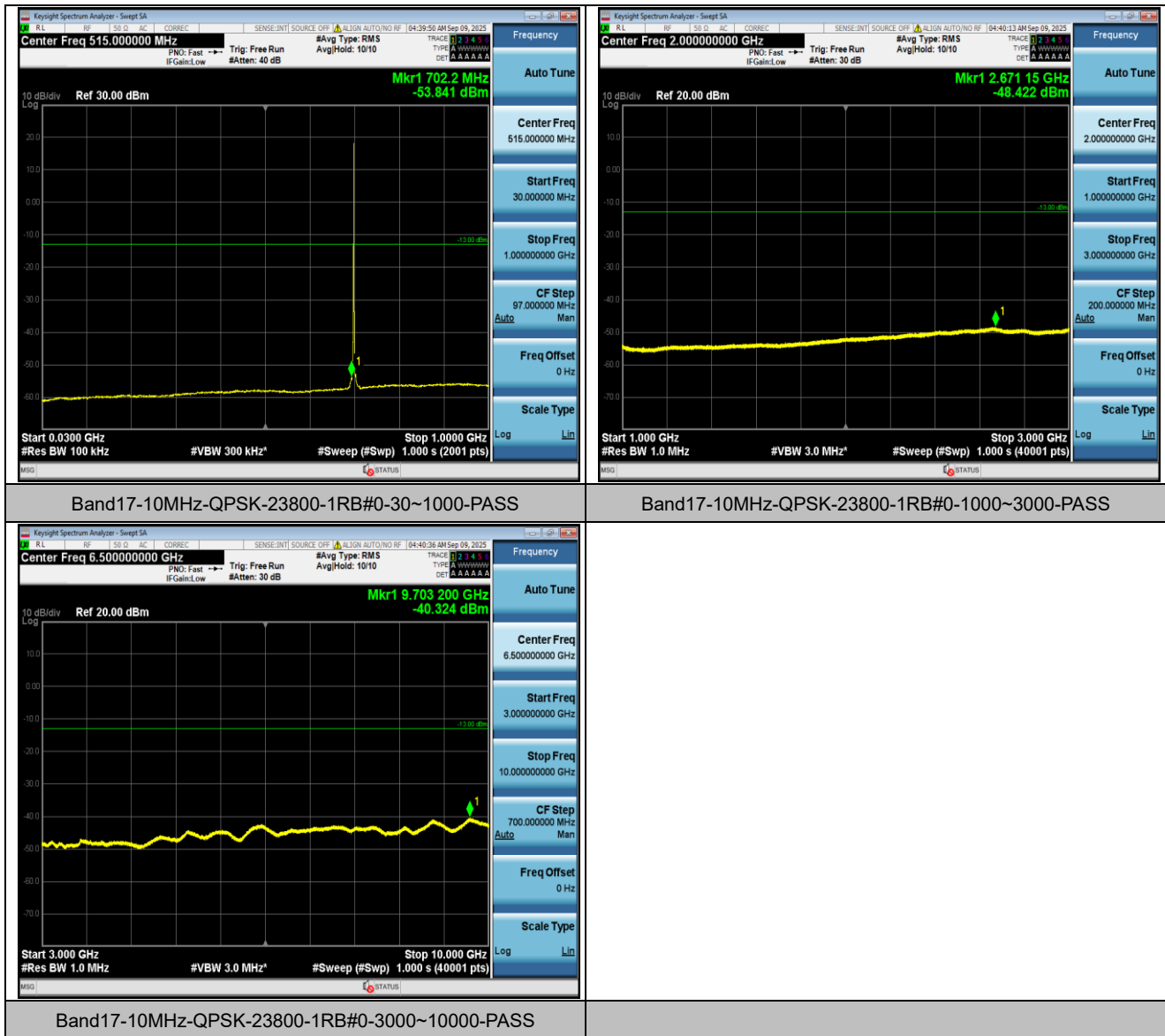


Conducted Spurious Emission

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	1.90	0.002676	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	0.50	0.000704	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-0.50	-0.000704	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	0.30	0.000423	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	0.30	0.000423	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	0.30	0.000423	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-1.40	-0.001972	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-0.40	-0.000563	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	0.60	0.000845	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	0.50	0.000704	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-0.60	-0.000845	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-0.60	-0.000845	PASS

~The End~