

Appendix-A LTE Band 13

Effective (Isotropic) Radiated Power Output Data

Test Result

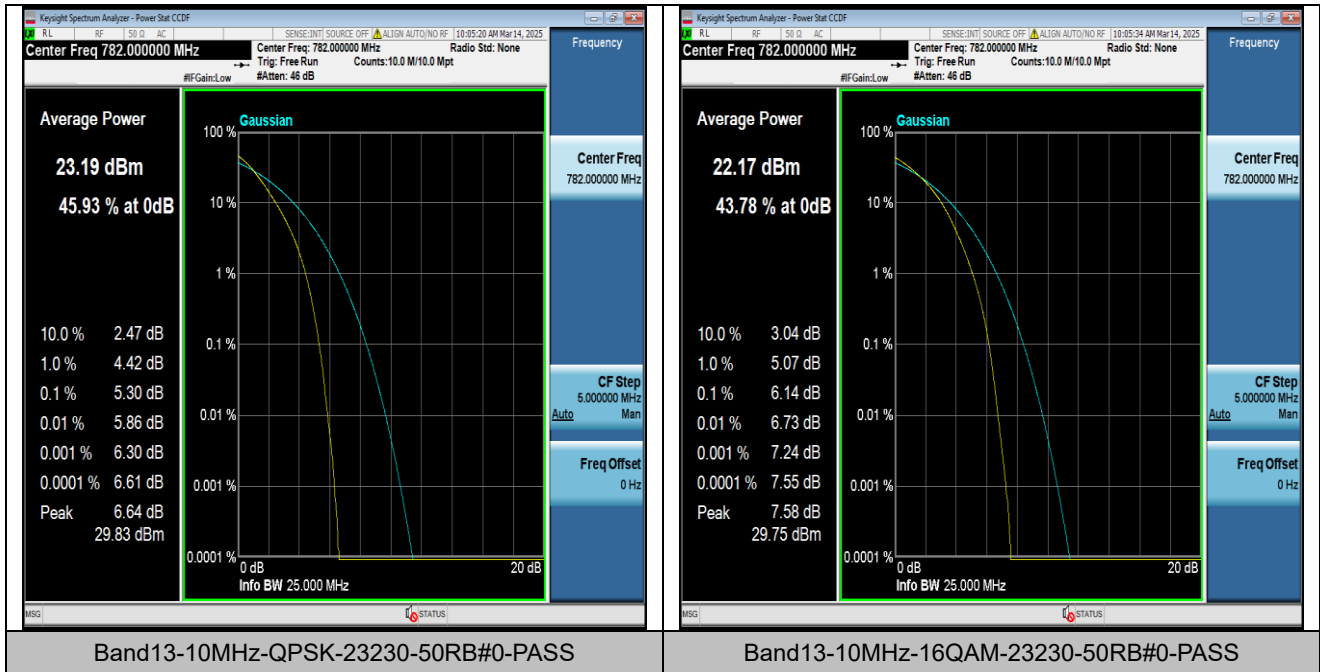
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.21	20.36	44.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.1	20.25	44.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.78	19.93	44.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.39	19.54	44.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.3	19.45	44.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.11	19.26	44.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.19	19.34	44.77	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.39	18.54	44.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.01	20.16	44.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.51	20.66	44.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.15	20.3	44.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.35	19.5	44.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.52	19.67	44.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.5	19.65	44.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.51	19.66	44.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.27	18.42	44.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.01	20.16	44.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.58	20.73	44.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.08	20.23	44.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.38	19.53	44.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.56	19.71	44.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.87	20.02	44.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.32	19.47	44.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.25	18.4	44.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.23	20.38	44.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.06	20.21	44.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.16	20.31	44.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.32	19.47	44.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.25	19.4	44.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.36	19.51	44.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.28	19.43	44.77	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.44	18.59	44.77	PASS

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	5.30	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.14	13	PASS

Test Graphs

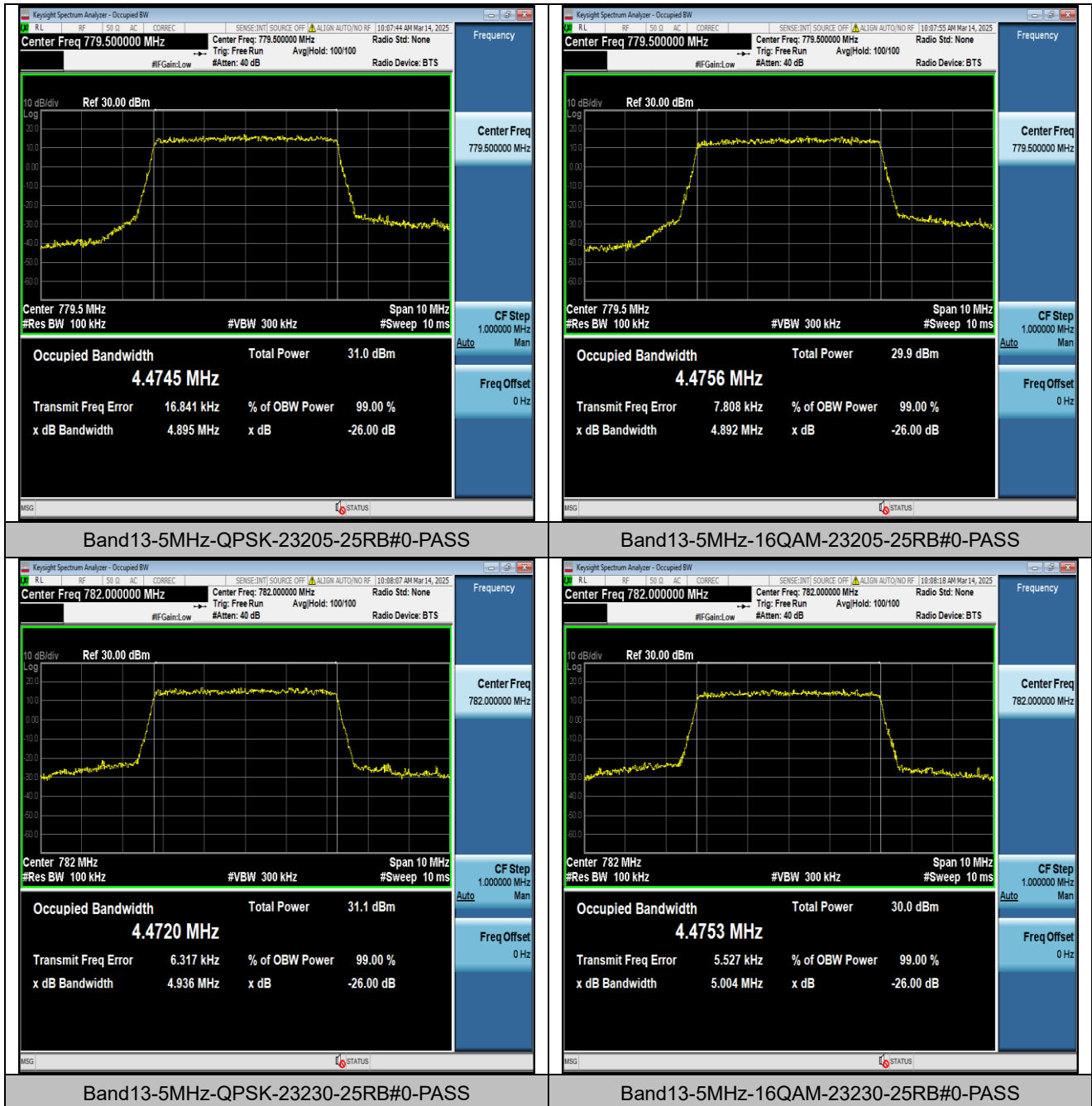


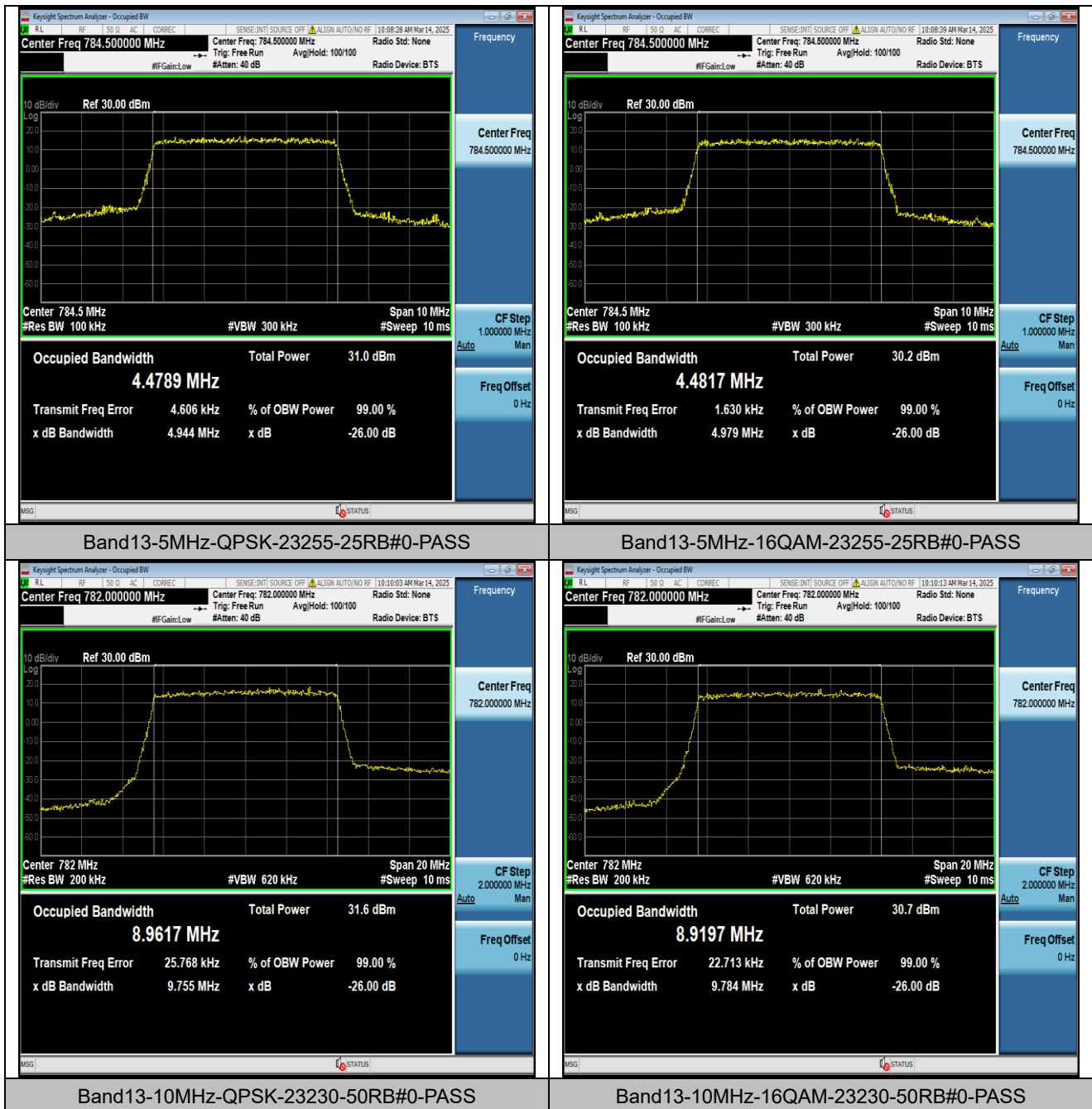
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4745	4.895	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4756	4.892	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4720	4.936	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4753	5.004	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4789	4.944	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4817	4.979	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9617	9.755	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9197	9.784	PASS

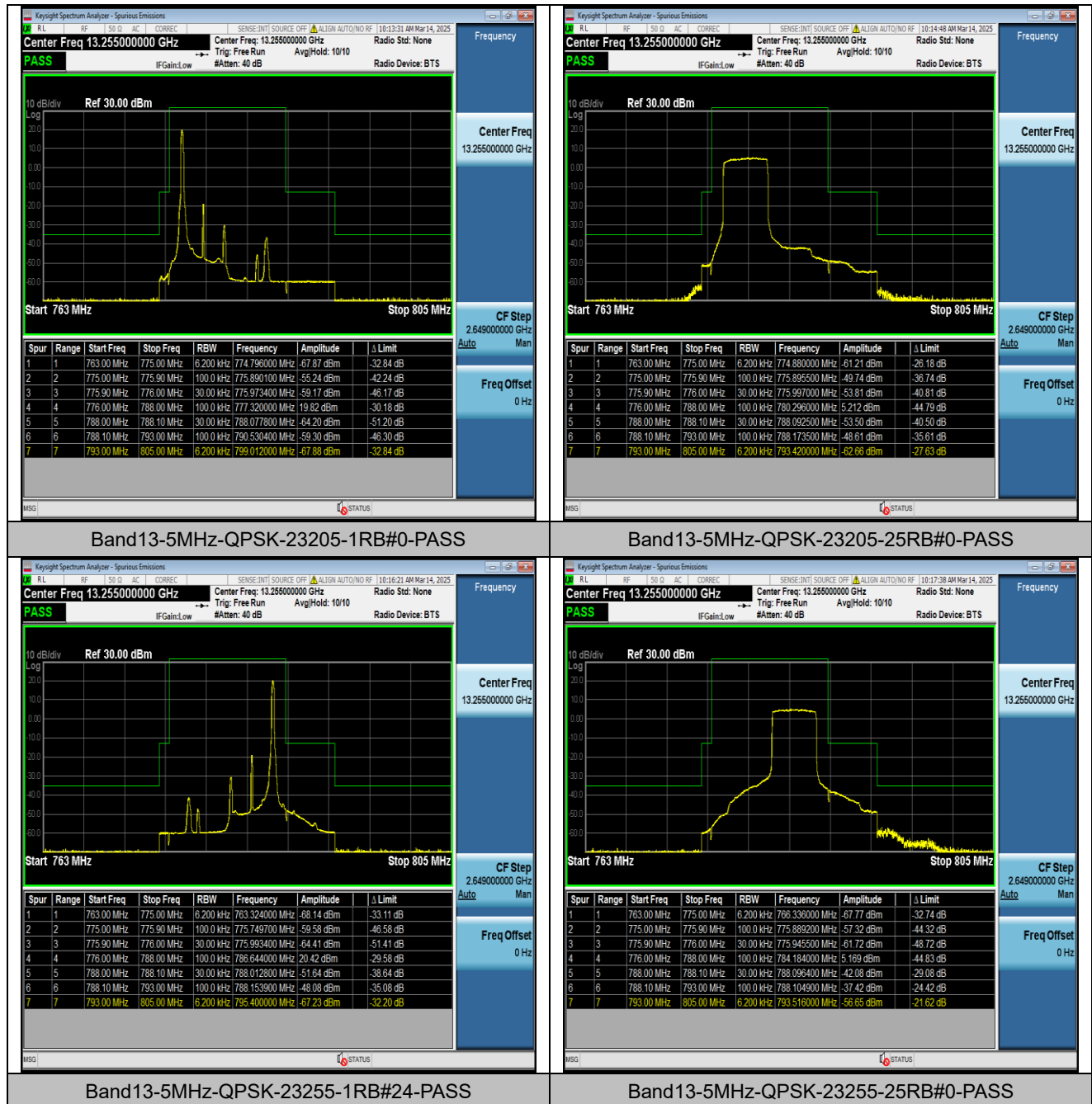
Test Graphs

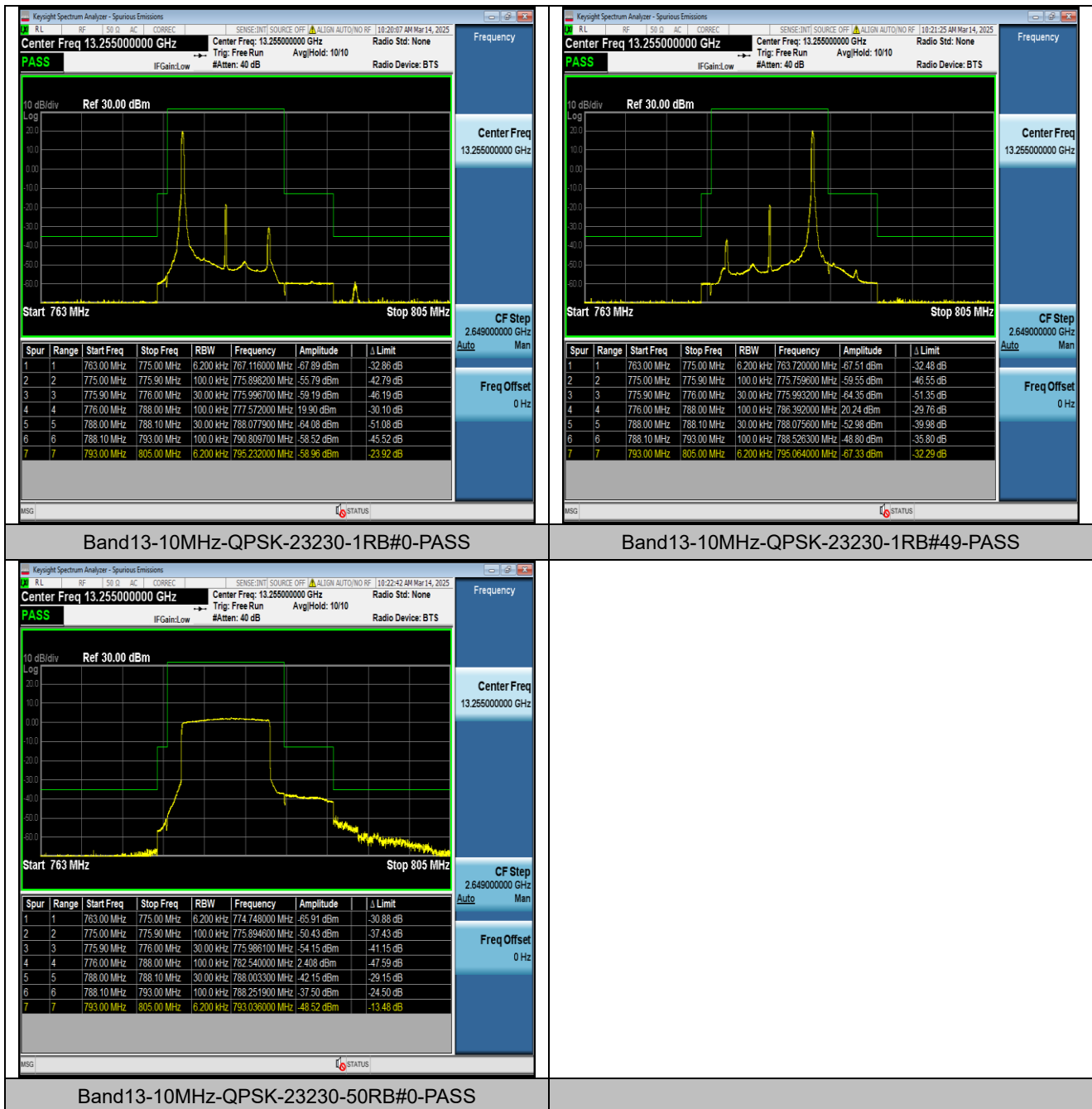




Band Edge

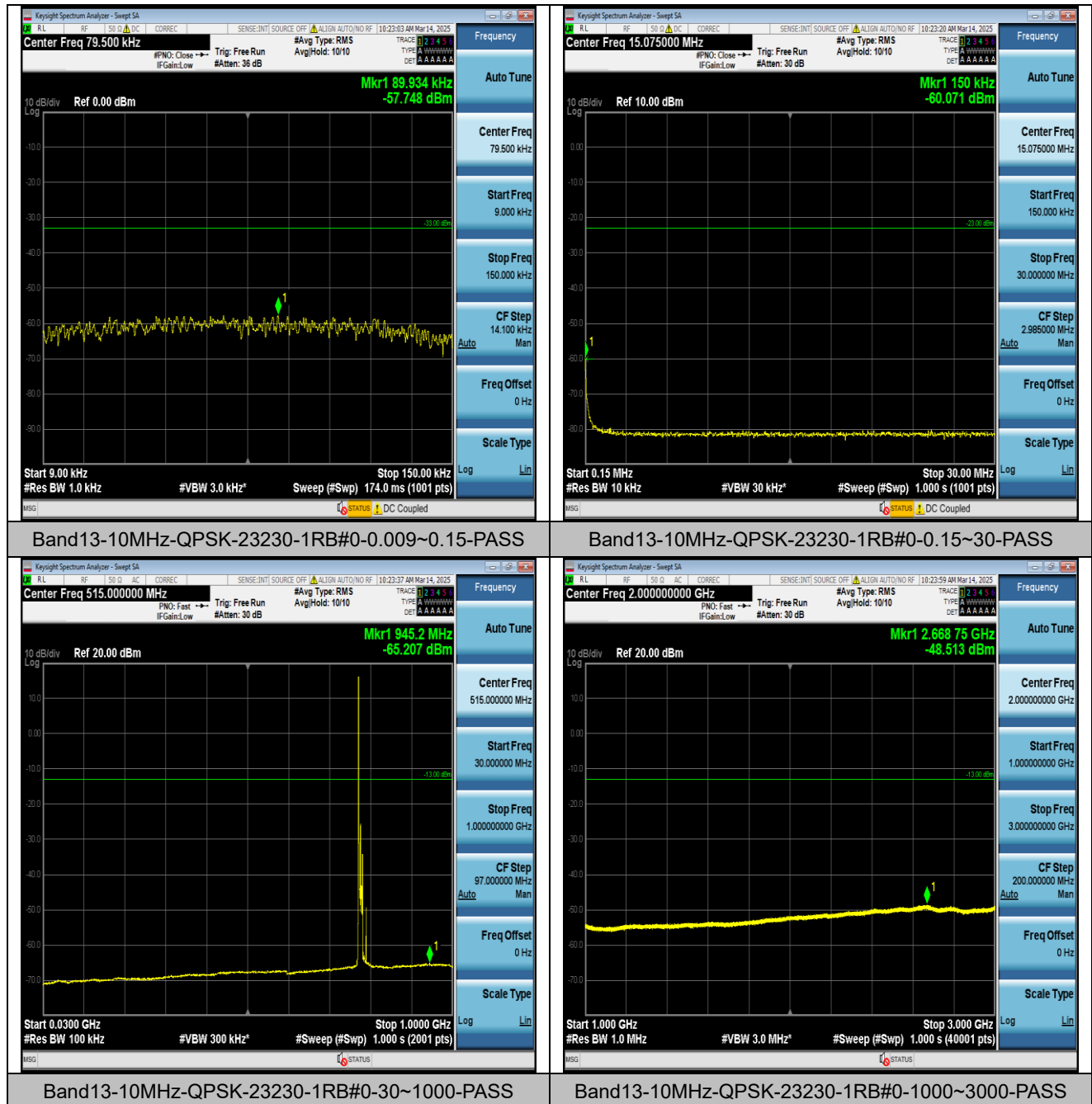
Test Graphs

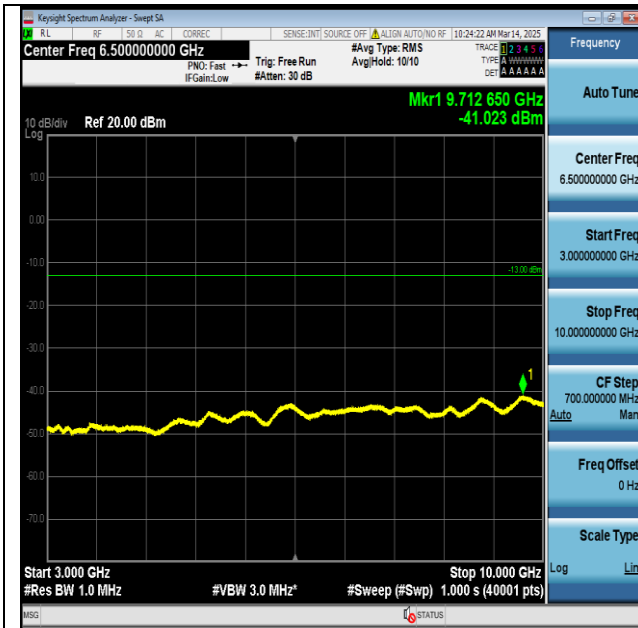




Conducted Spurious Emission

Test Graphs





Band13-10MHz-QPSK-23230-1RB#0-3000~10000-PASS

Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band13	10MHz	QPSK	23230	100RB#0	VN	NT	-0.10	-0.000128	PASS
Band13	10MHz	QPSK	23230	100RB#0	VL	NT	0.40	0.000512	PASS
Band13	10MHz	QPSK	23230	100RB#0	VH	NT	0.40	0.000512	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band13	10MHz	QPSK	23230	100RB#0	NV	-30	-0.90	-0.001151	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	-20	-0.30	-0.000384	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	-10	-1.10	-0.001407	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	0	0.70	0.000895	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	10	-0.10	-0.000128	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	20	0.70	0.000895	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	30	-1.00	-0.001279	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	40	1.00	0.001279	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	50	0.30	0.000384	PASS

~The End~