

Appendix-A LTE Band 13

Effective (Isotropic) Radiated Power Output Data

Test Result

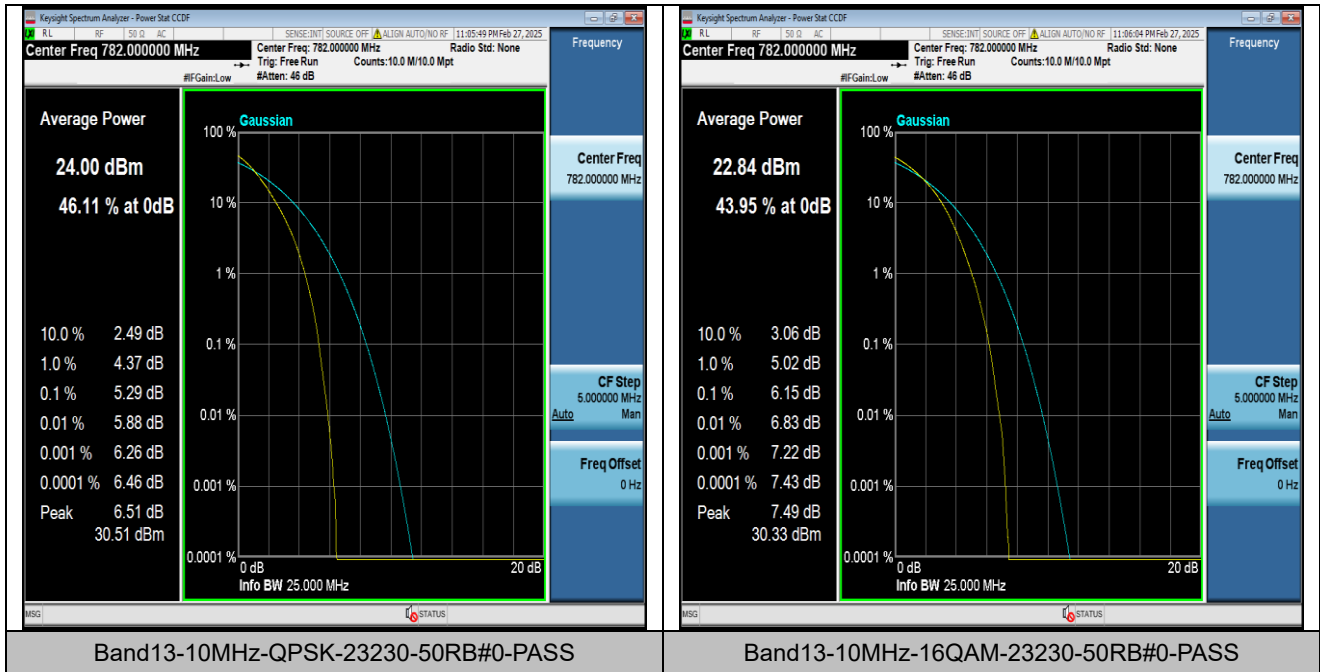
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	24.16	21.31	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.99	21.14	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.83	20.98	34.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.91	20.06	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.73	19.88	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	23.5	20.65	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.71	19.86	34.77	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.83	18.98	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.84	20.99	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	24.05	21.2	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.69	20.84	34.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.94	20.09	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	23.32	20.47	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	23.27	20.42	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.8	19.95	34.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.82	18.97	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.87	21.02	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	24.37	21.52	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.77	20.92	34.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.98	20.13	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.8	19.95	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.73	19.88	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	23.05	20.2	34.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.72	18.87	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.91	21.06	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.91	21.06	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.82	20.97	34.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.9	20.05	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.97	20.12	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.95	20.1	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	23	20.15	34.77	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.8	18.95	34.77	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	5.29	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.15	13	PASS

Test Graphs

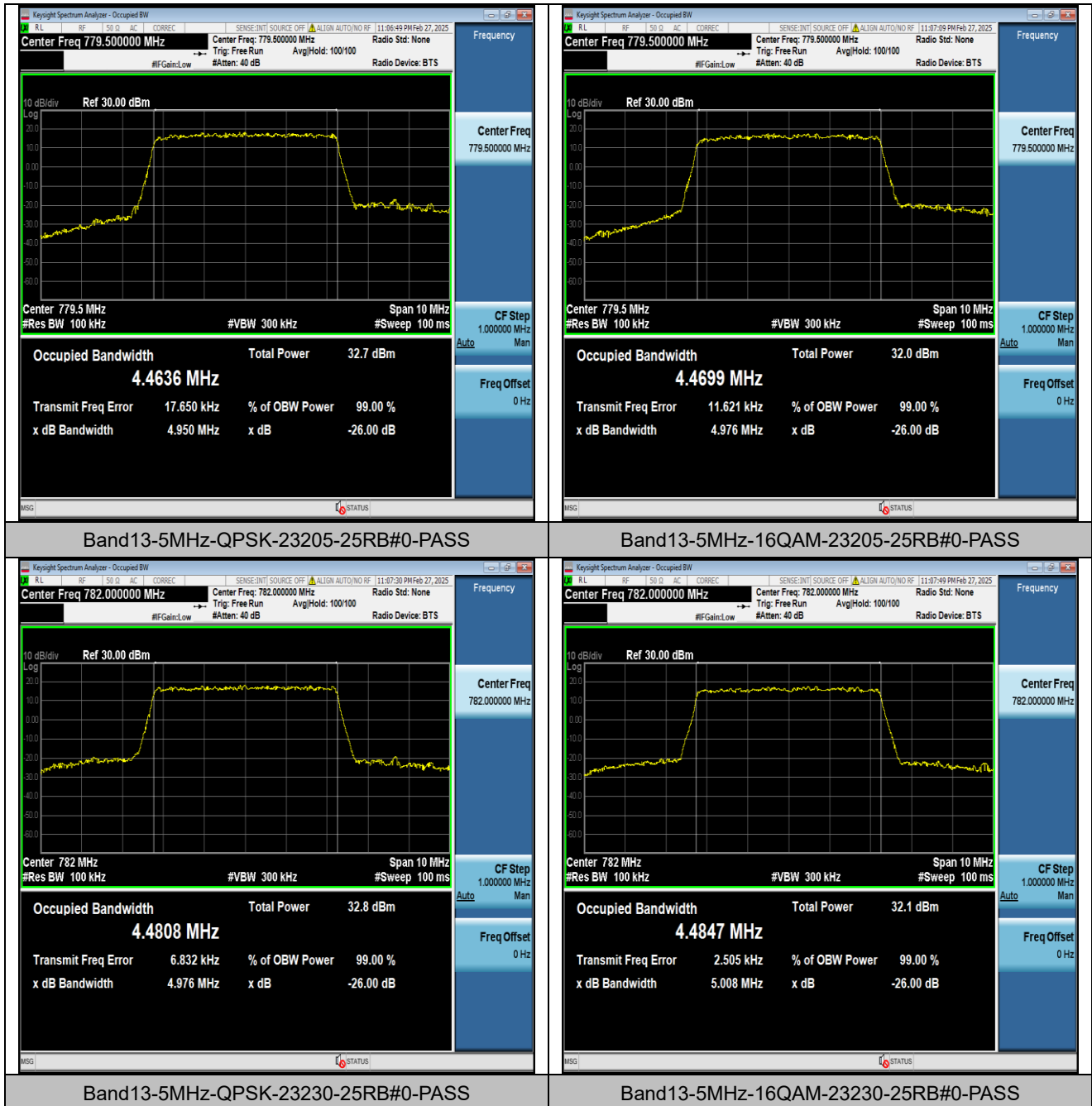


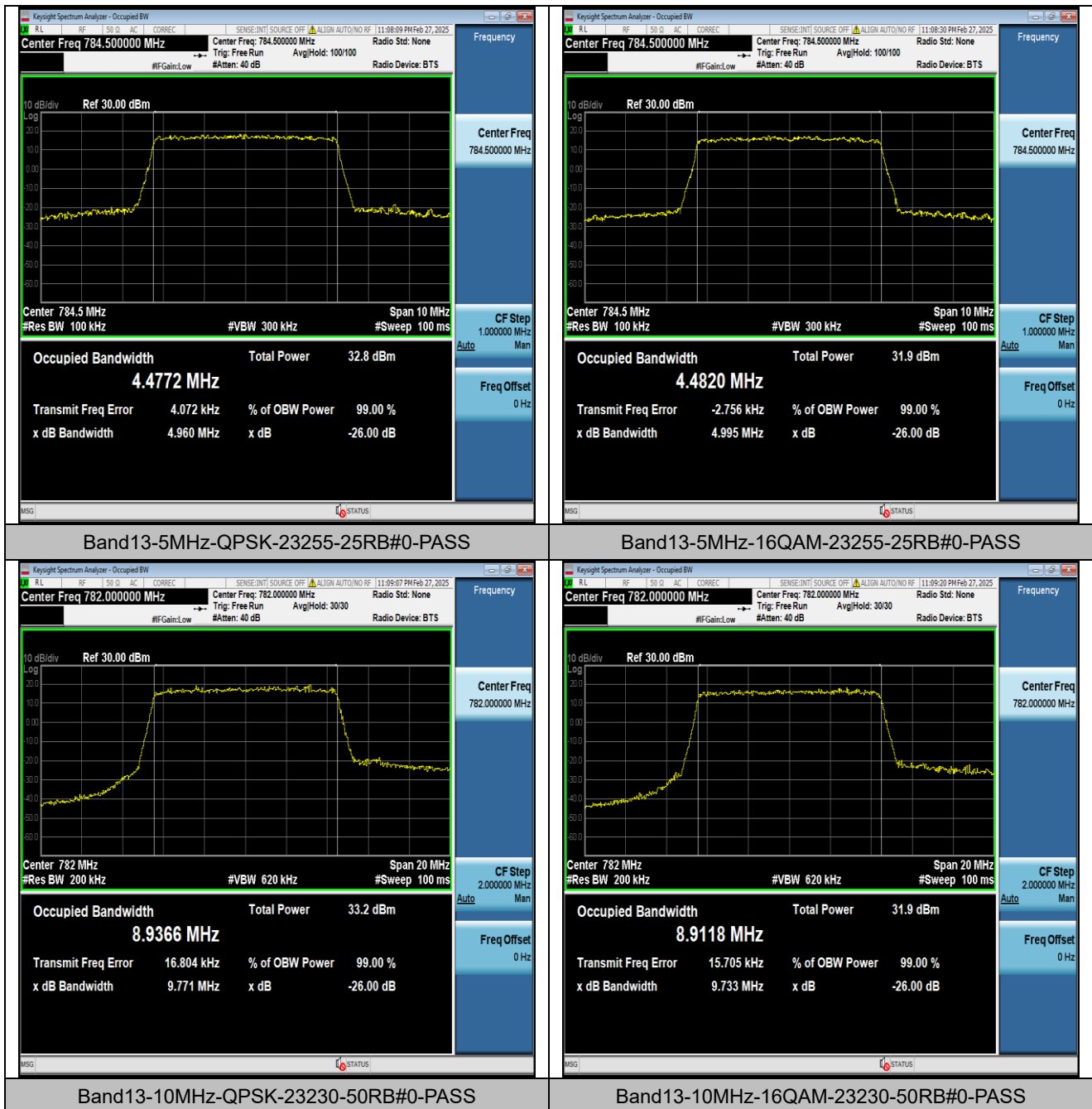
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4636	4.950	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4699	4.976	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4808	4.976	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4847	5.008	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4772	4.960	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4820	4.995	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9366	9.771	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9118	9.733	PASS

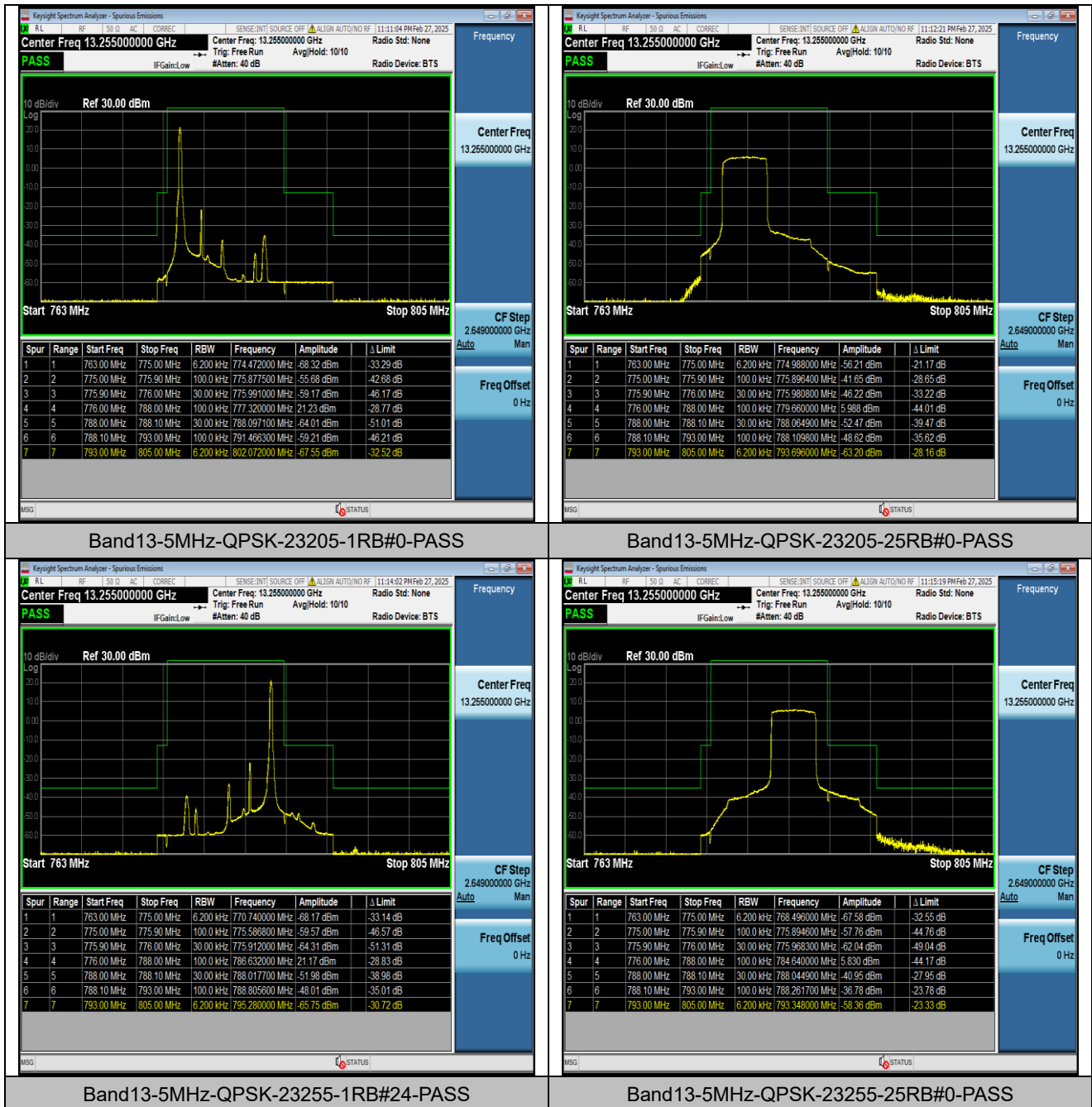
Test Graphs

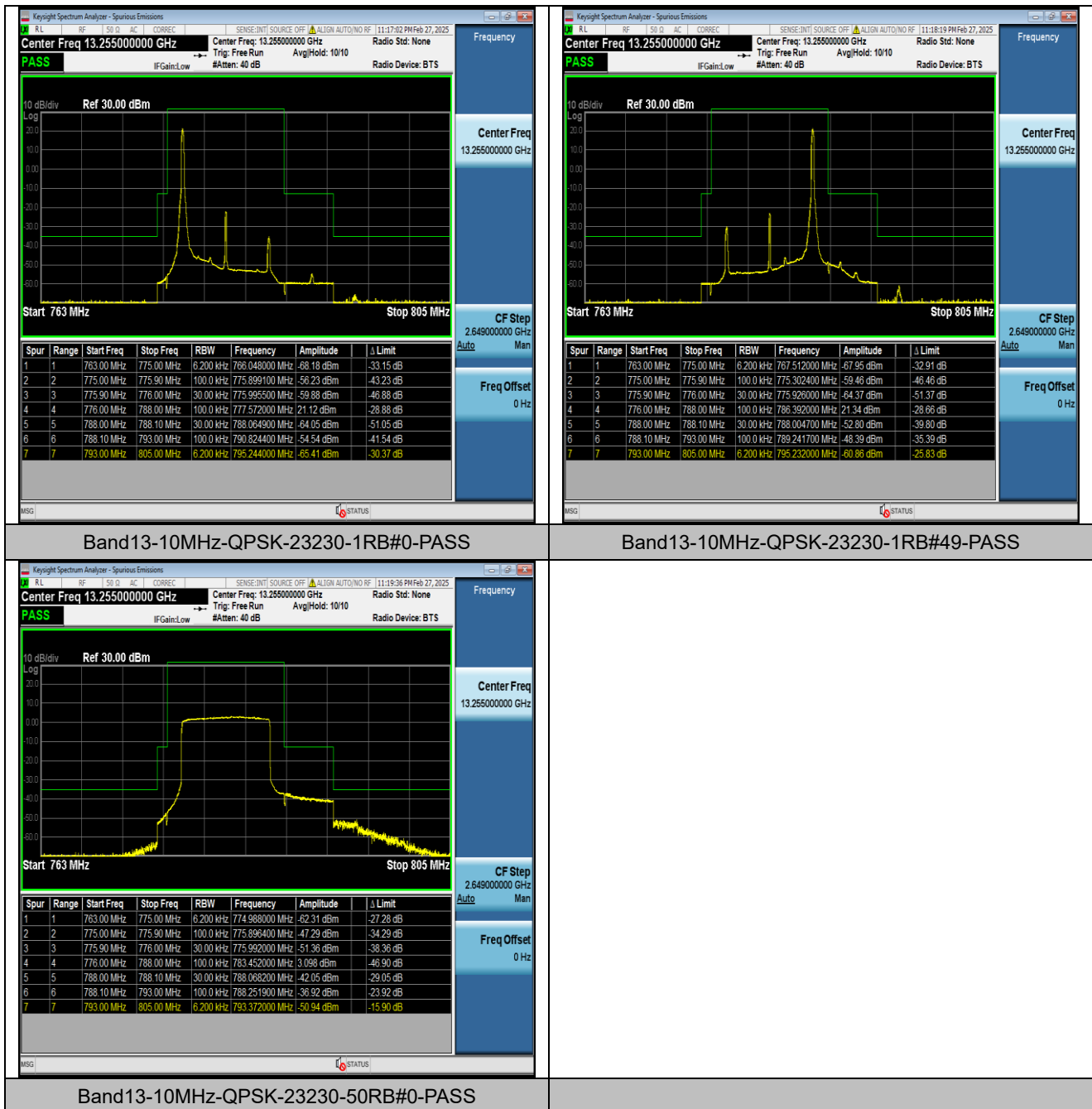




Band Edge

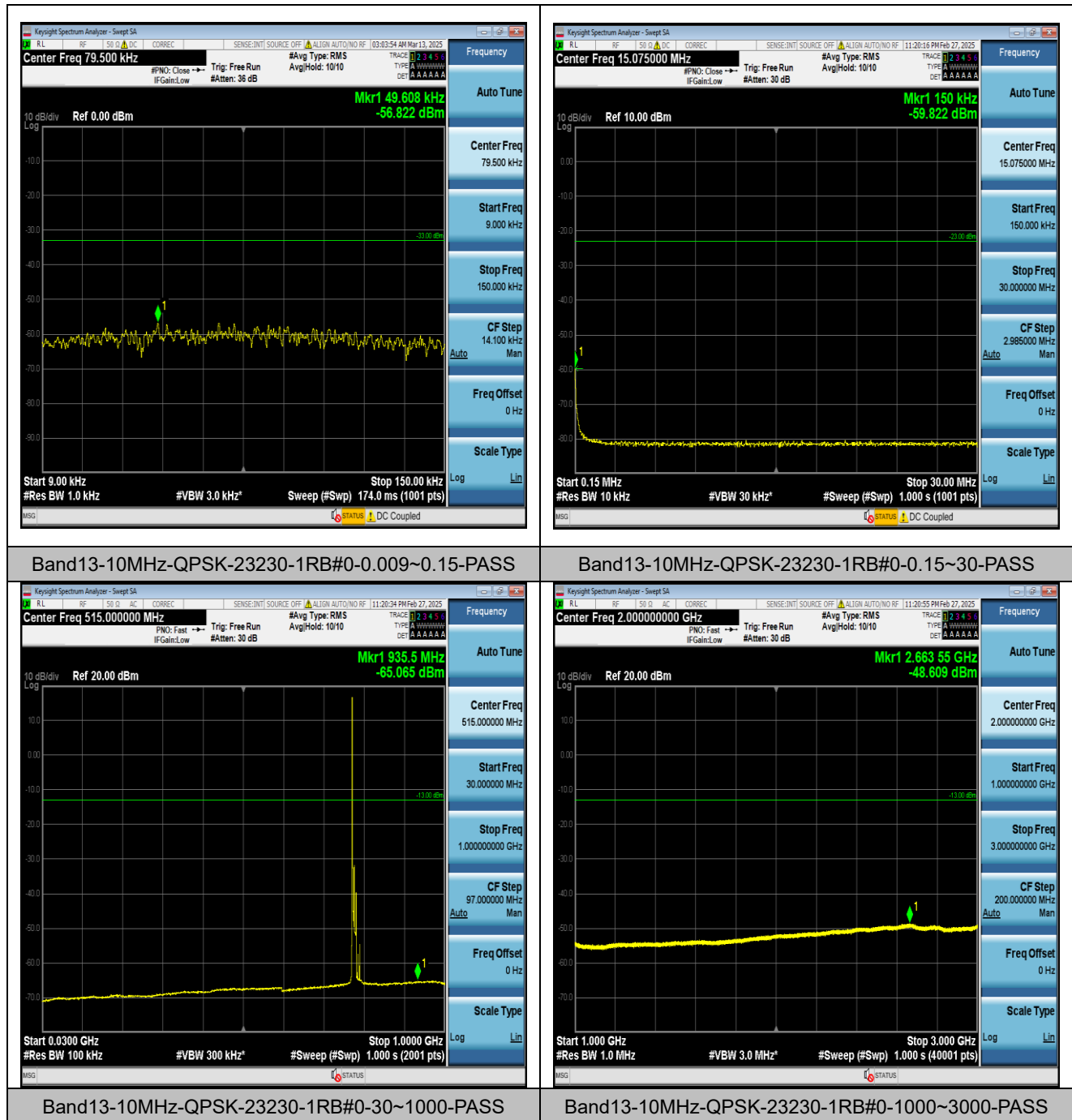
Test Graphs

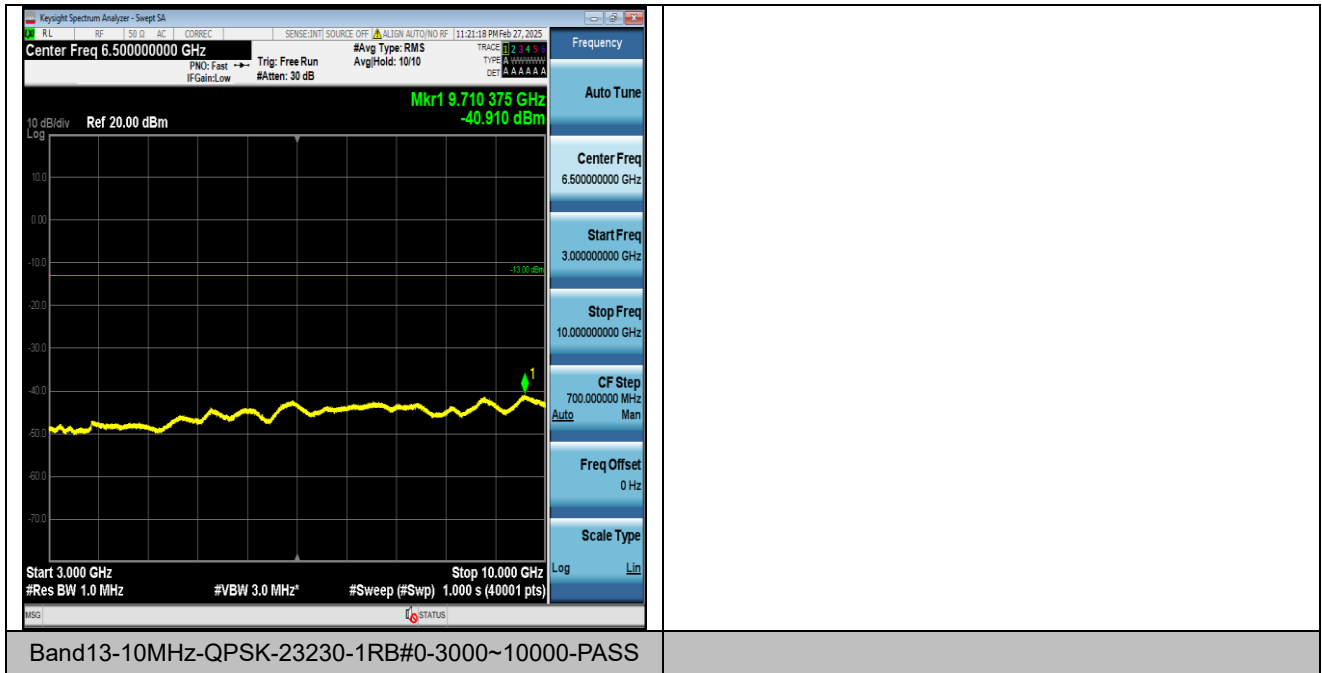




Conducted Spurious Emission

Test Graphs





Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band13	10MHz	QPSK	23230	100RB#0	VN	NT	1.10	0.001407	PASS
Band13	10MHz	QPSK	23230	100RB#0	VL	NT	1.20	0.001535	PASS
Band13	10MHz	QPSK	23230	100RB#0	VH	NT	0.60	0.000767	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	0.30	0.000384	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	-20	0.80	0.001023	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	-10	2.30	0.002941	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	0	-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	20	1.90	0.002430	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	30	0.30	0.000384	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	40	-0.40	-0.000512	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	50	-0.10	-0.000128	PASS

~The End~