

Appendix-B LTE Band 13

Effective (Isotropic) Radiated Power Output Data

Test Result

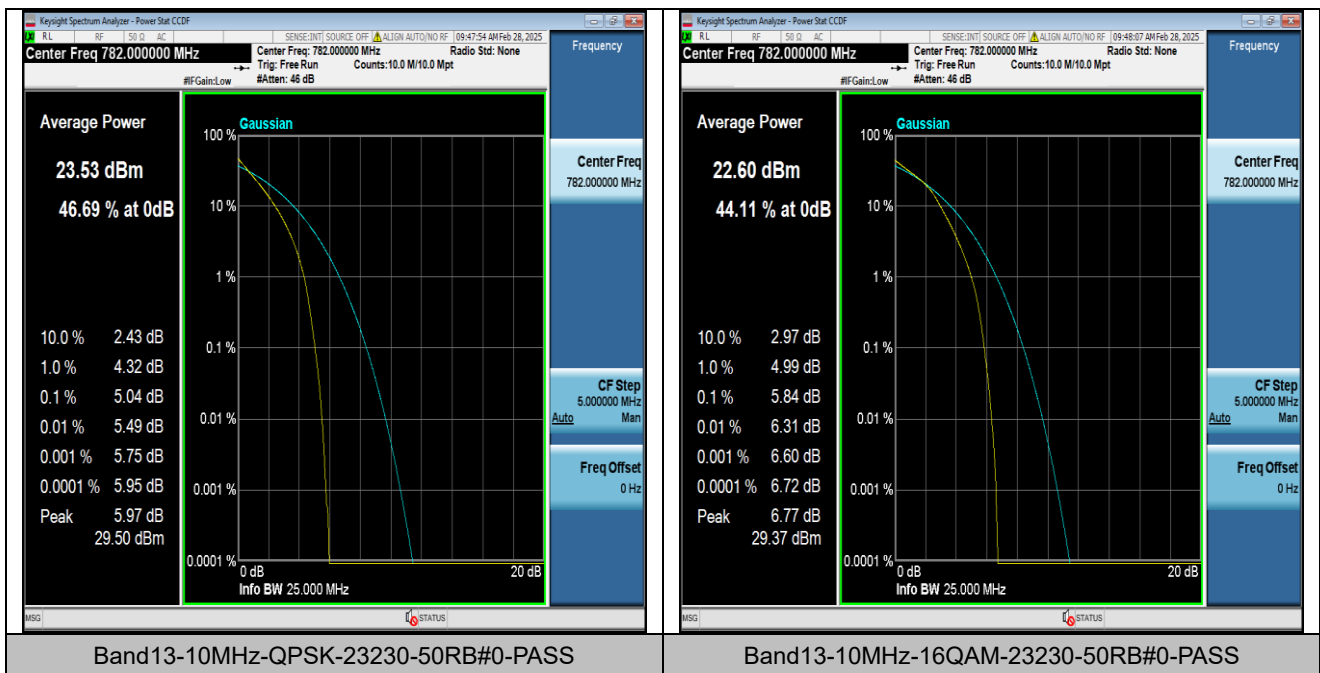
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.35	25.65	44.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.39	25.69	44.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.44	25.74	44.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.43	24.73	44.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.36	24.66	44.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.06	24.36	44.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.08	24.38	44.77	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.5	23.8	44.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.44	25.74	44.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.61	25.91	44.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.51	25.81	44.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.43	24.73	44.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.13	24.43	44.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.31	24.61	44.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.11	24.41	44.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.5	23.8	44.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.46	25.76	44.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.32	25.62	44.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.57	25.87	44.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.51	24.81	44.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.46	24.76	44.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.17	24.47	44.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.42	24.72	44.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.47	23.77	44.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.33	25.63	44.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.33	25.63	44.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.43	25.73	44.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.48	24.78	44.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.19	24.49	44.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.23	24.53	44.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.12	24.42	44.77	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.37	23.67	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	5.04	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.84	13	PASS

Test Graphs

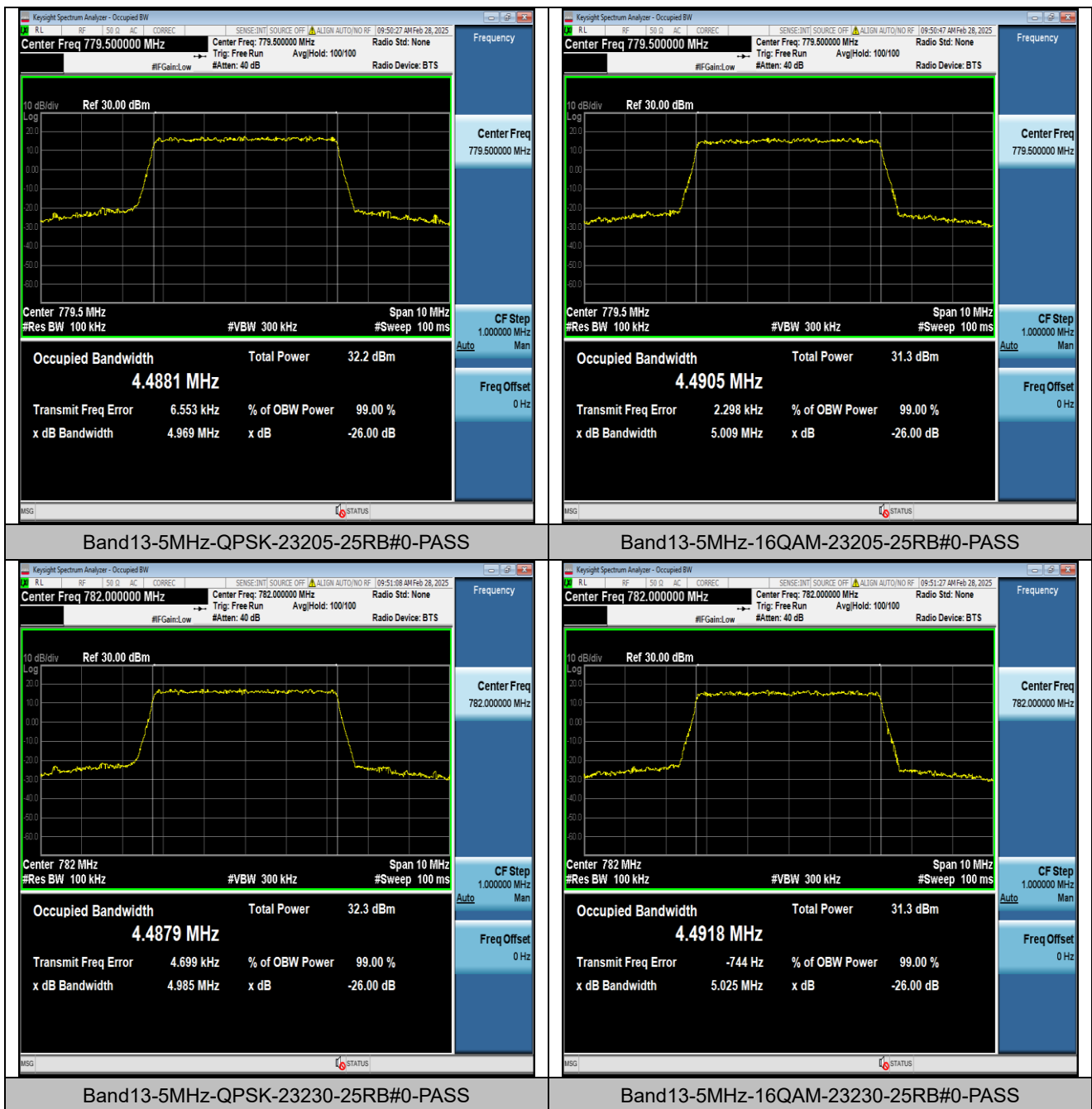


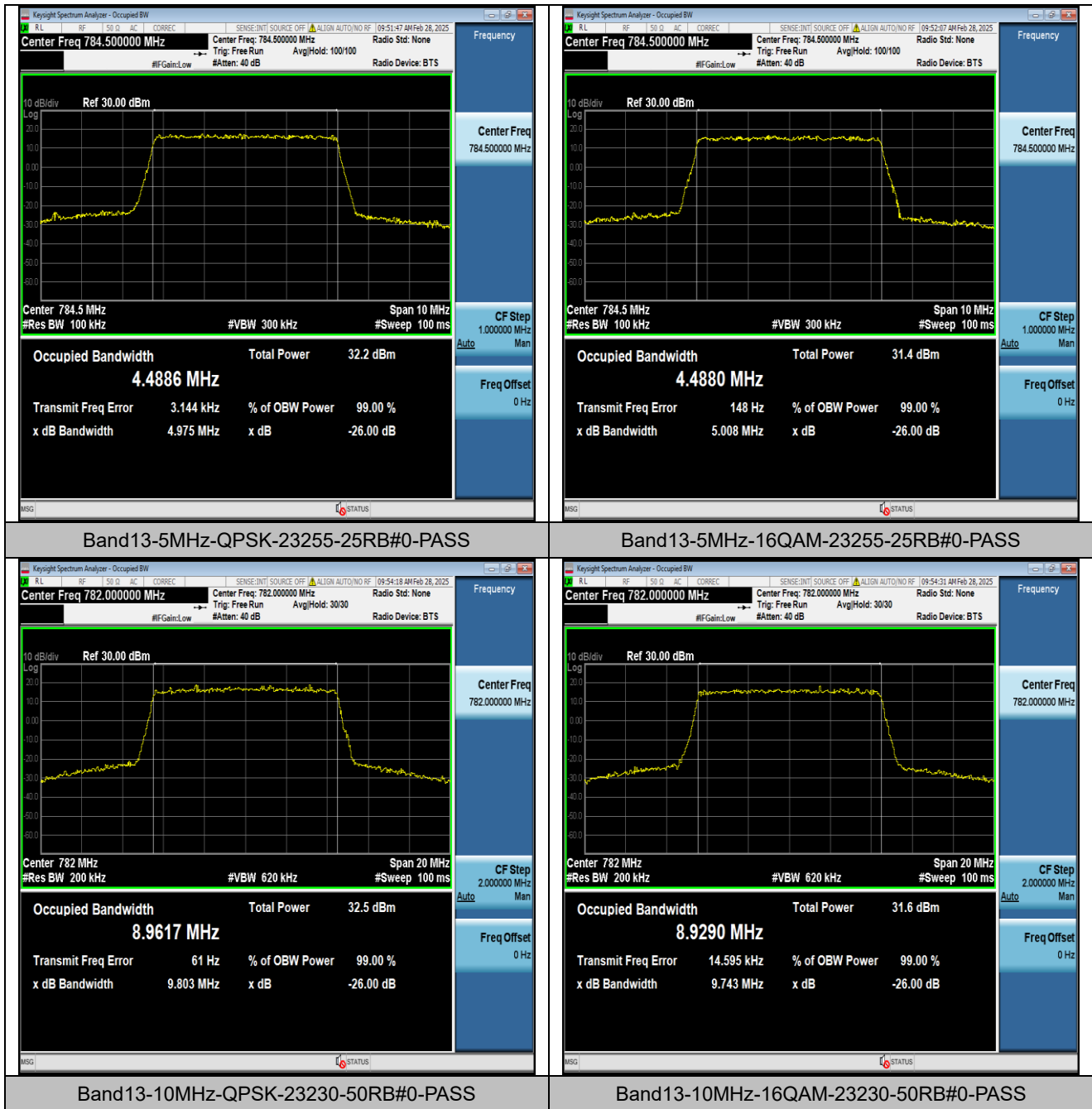
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4881	4.969	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4905	5.009	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4879	4.985	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4918	5.025	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4886	4.975	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4880	5.008	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9617	9.803	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9290	9.743	PASS

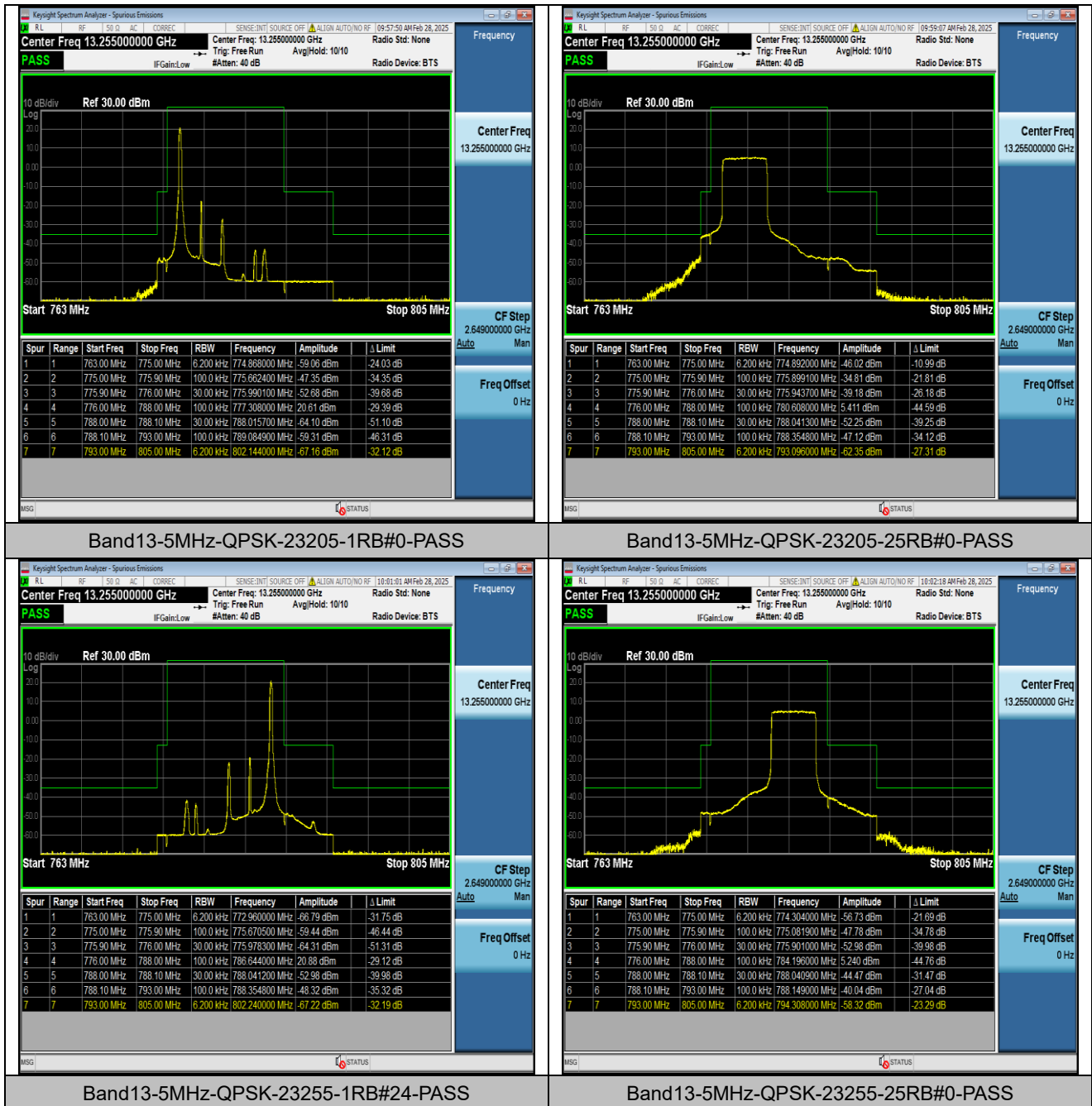
Test Graphs

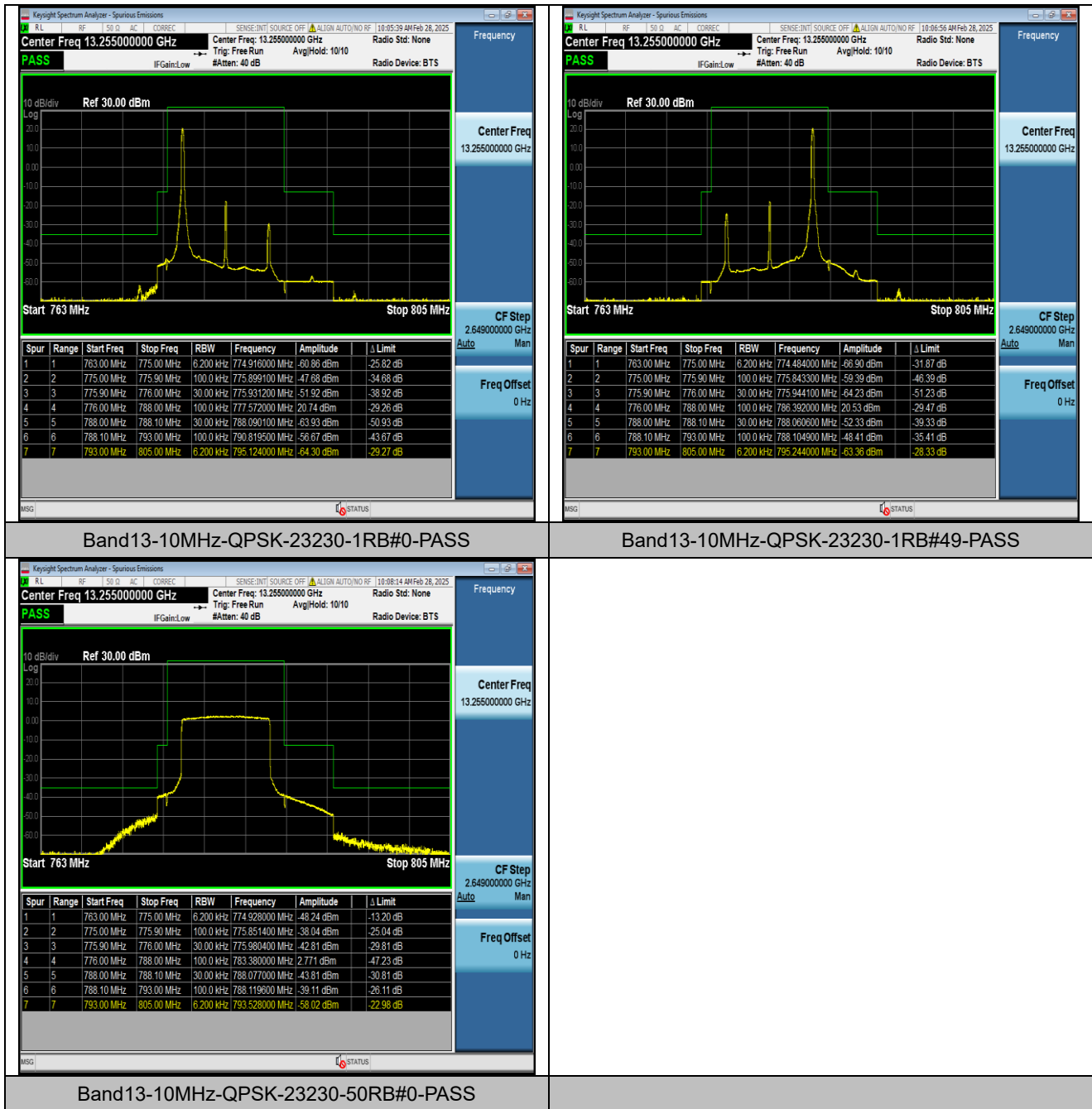




Band Edge

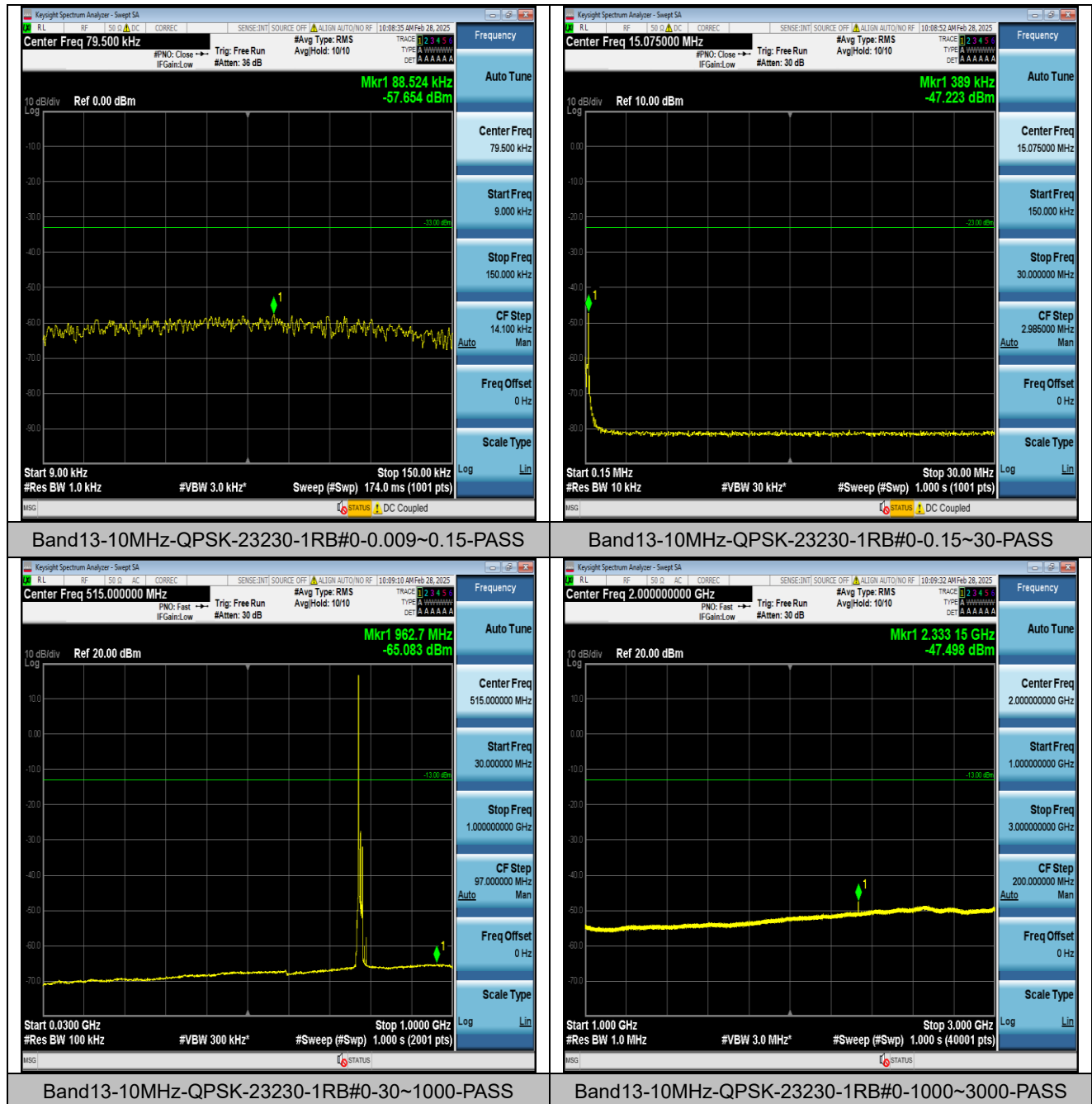
Test Graphs

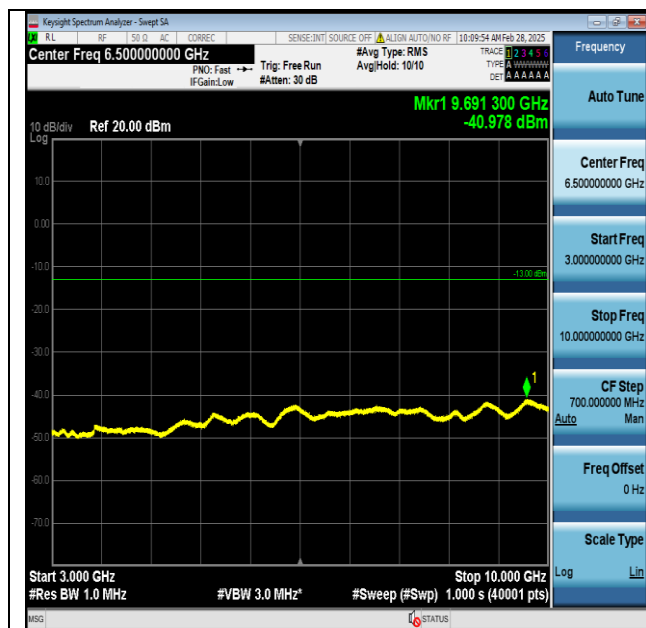




Conducted Spurious Emission

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	50RB#0	VN	NT	-0.20	-0.000256	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-1.90	-0.002430	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-1.20	-0.001535	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-1.20	-0.001535	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	-1.00	-0.001279	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	-1.60	-0.002046	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-2.00	-0.002558	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-1.70	-0.002174	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-0.90	-0.001151	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	-1.20	-0.001535	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	0.00	0.000000	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-2.10	-0.002685	PASS

~The End~