

Appendix-B LTE Band 13

Effective Radiated Power Output Data

Test Result

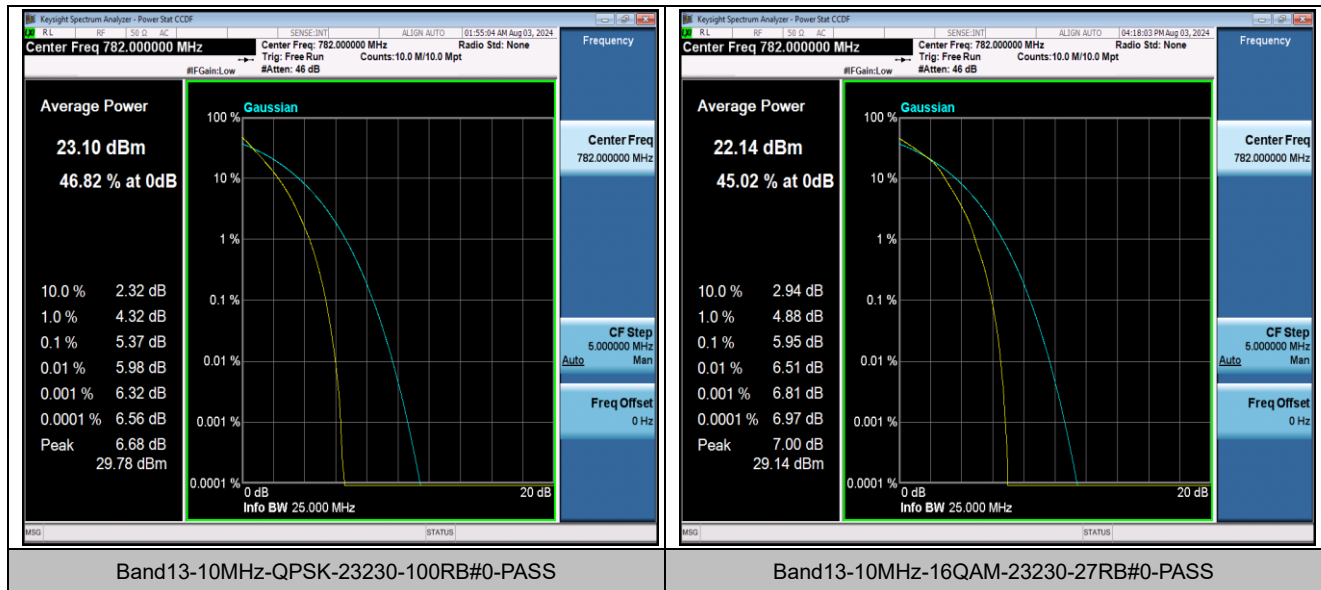
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.85	23.53	34.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	23.58	23.26	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	24.03	23.71	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.48	23.16	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	24.29	23.97	34.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	23.49	23.17	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.63	23.31	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	22.87	22.55	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.04	22.72	34.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	23.36	23.04	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.67	23.35	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	24	23.68	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	23.37	23.05	34.77	PASS
Band13	5MHz	16QAM	23205	25RB#0	22.61	22.29	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	23.51	23.19	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.87	22.55	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	23.72	23.40	34.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	22.56	22.24	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	23.05	22.73	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.13	21.81	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.29	21.97	34.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	22.4	22.08	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.86	22.54	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	23.13	22.81	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	24.67	24.35	34.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	23.5	23.18	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.97	23.65	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.67	23.35	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	23.98	23.66	34.77	PASS
Band13	10MHz	16QAM	23230	27RB#0	22.51	22.19	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	23.42	23.10	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.96	22.64	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	100RB#0	5.37	13	PASS
Band13	10MHz	16QAM	23230	27RB#0	5.95	13	PASS

Test Graphs

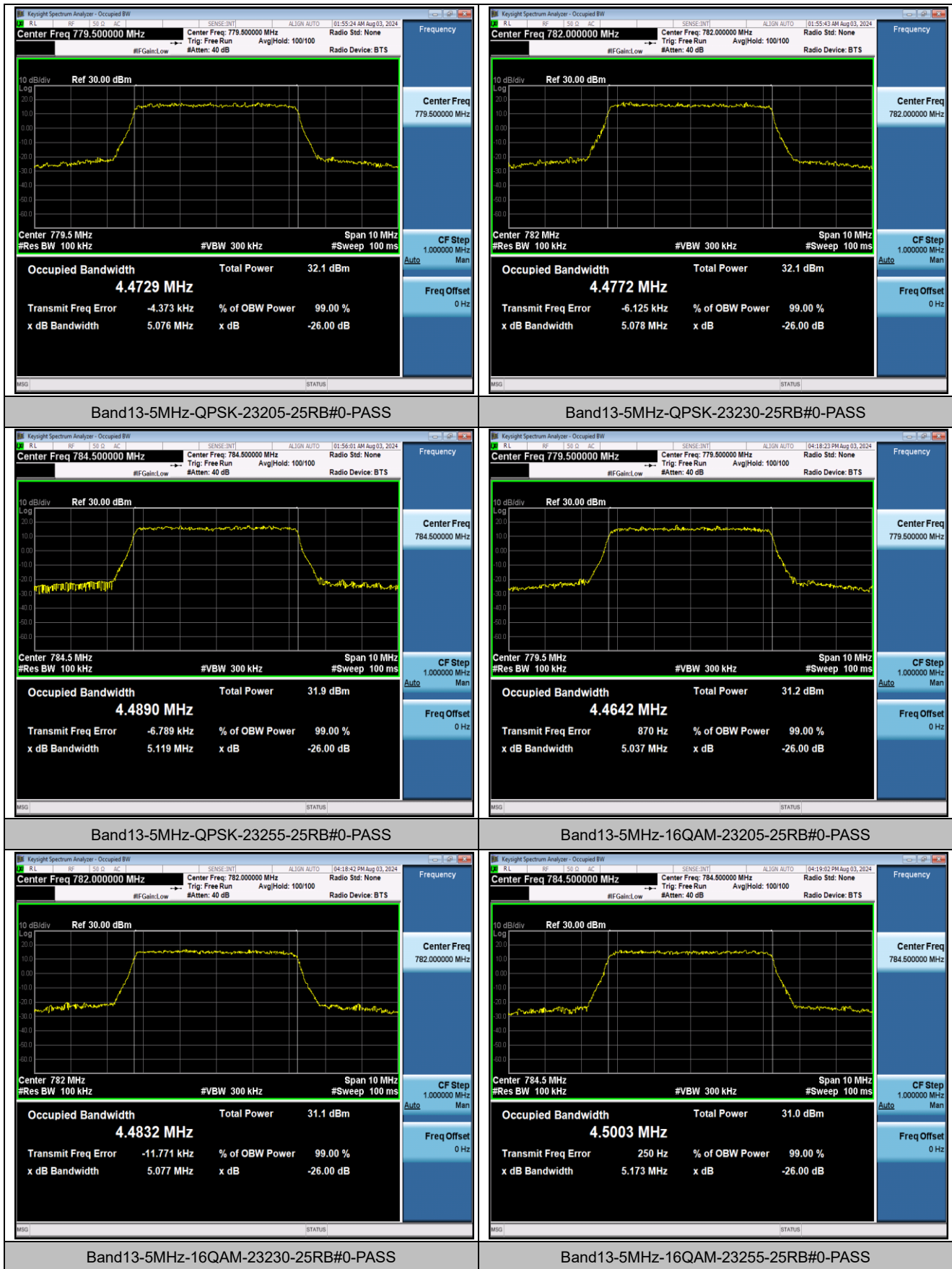


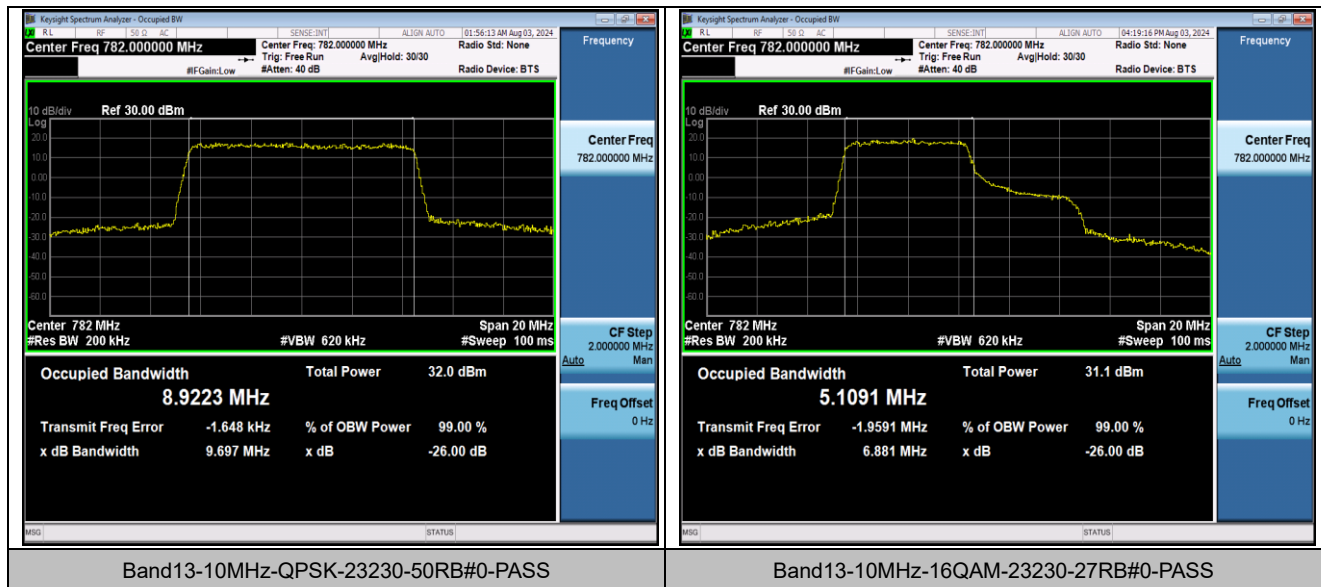
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4729	5.076	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4772	5.078	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4890	5.119	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4642	5.037	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4832	5.077	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5003	5.173	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9223	9.697	PASS
Band13	10MHz	16QAM	23230	27RB#0	5.1091	6.881	PASS

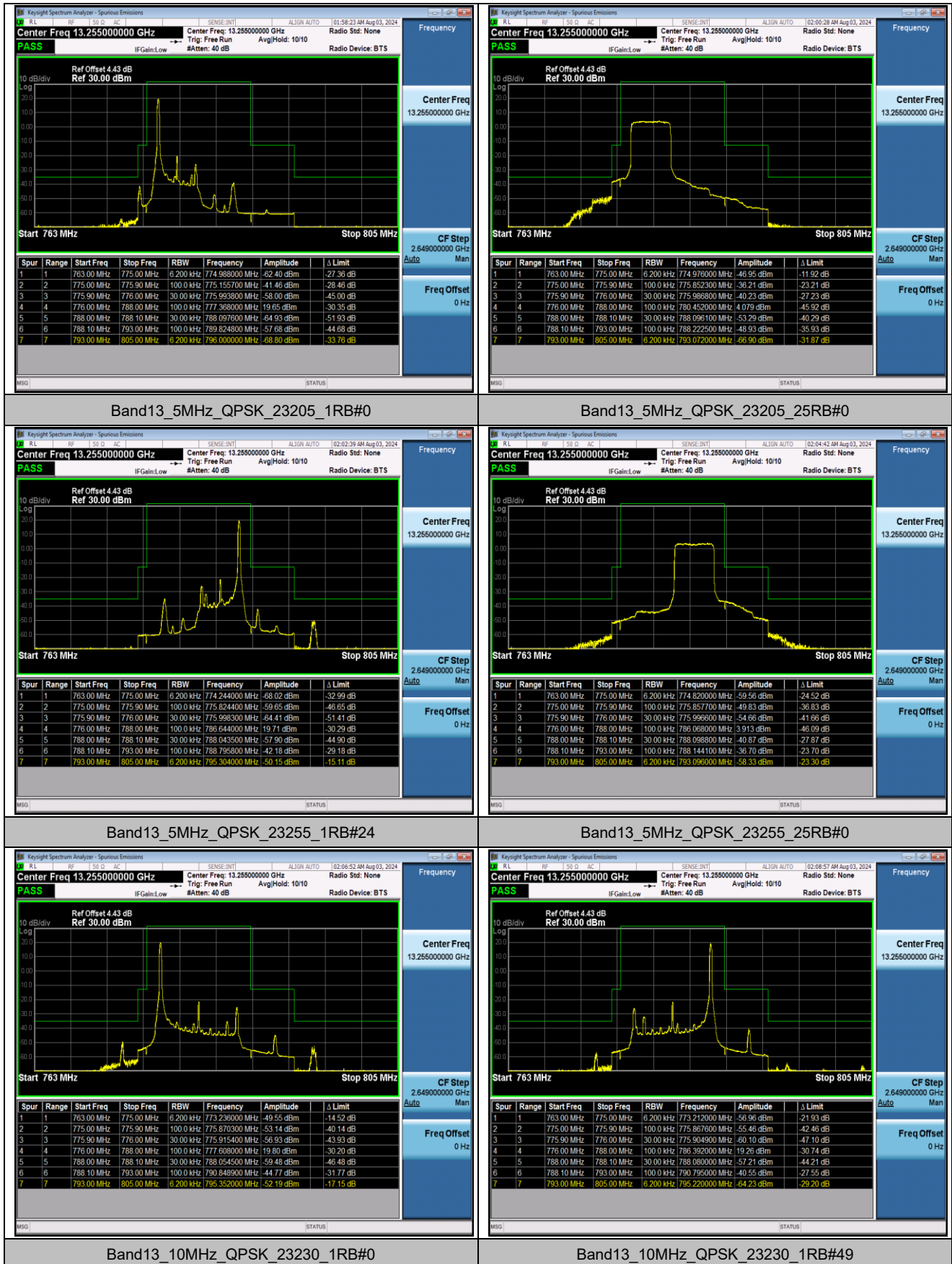
Test Graphs

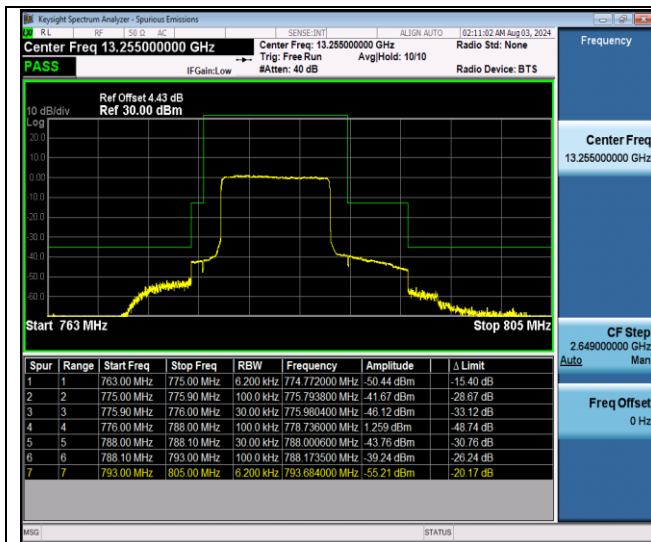




Band Edge

Test Graphs

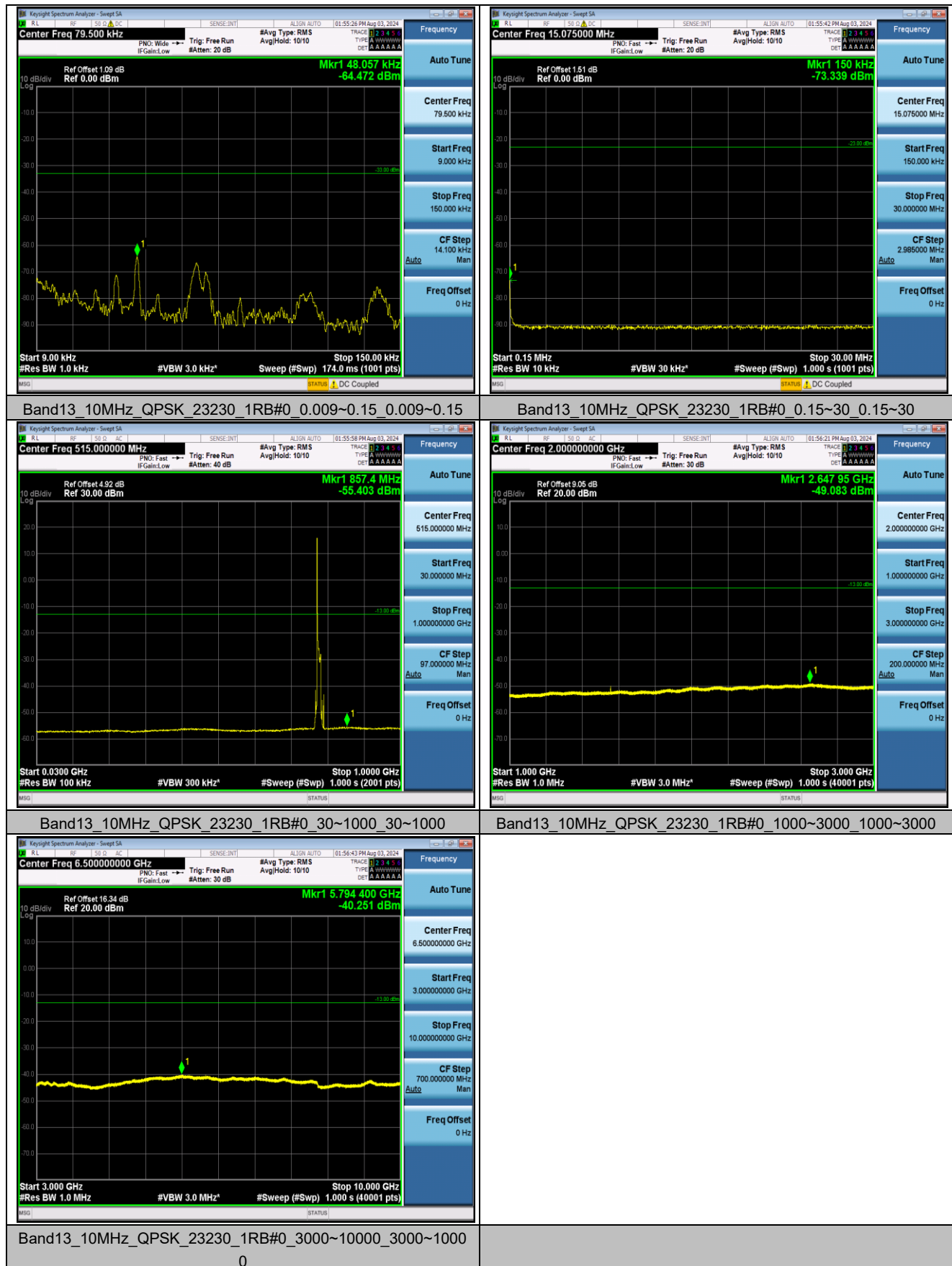




Band13_10MHz_QPSK_23230_50RB#0

Appendix E: 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	-7.78	-0.009949	PASS
Band13	10MHz	QPSK	23230	100RB#0	VL	NT	-11.63	-0.014872	PASS
Band13	10MHz	QPSK	23230	100RB#0	VH	NT	-7.45	-0.009527	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	-8.53	-0.010908	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	-20	-9.04	-0.011560	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	-10	-9.76	-0.012481	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	0	-3.35	-0.004284	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	10	-9.63	-0.012315	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	20	-10.07	-0.012877	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	30	-8.83	-0.011292	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	40	-4.32	-0.005524	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	50	-10.49	-0.013414	PASS