

Appendix-A LTE Band 13

Effective (Isotropic) Radiated Power Output Data

Test Result

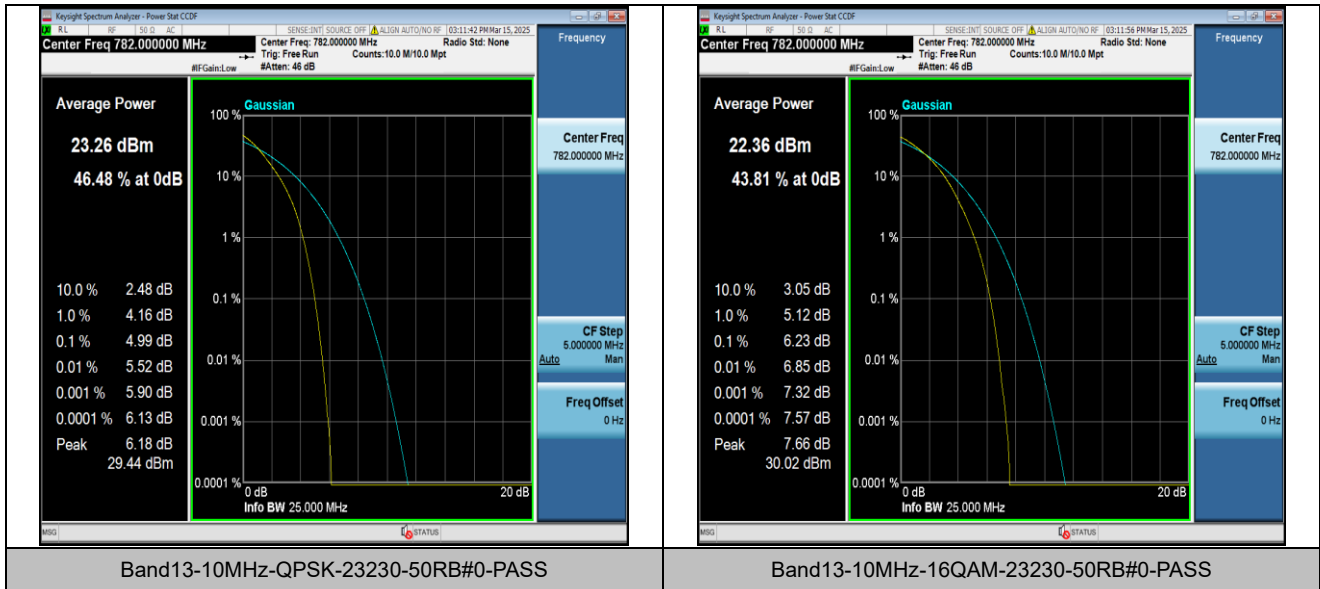
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.14	20.29	44.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.19	20.34	44.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.21	20.36	44.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.26	19.41	44.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.53	19.68	44.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.65	19.8	44.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.64	19.79	44.77	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.37	18.52	44.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.23	20.38	44.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.2	20.35	44.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.17	20.32	44.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.24	19.39	44.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.82	19.97	44.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.58	19.73	44.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.68	19.83	44.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.34	18.49	44.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.23	20.38	44.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.26	20.41	44.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.21	20.36	44.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.29	19.44	44.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.57	19.72	44.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.44	19.59	44.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.82	19.97	44.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.4	18.55	44.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.11	20.26	44.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.25	20.4	44.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.17	20.32	44.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.26	19.41	44.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.29	19.44	44.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.68	19.83	44.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.82	19.97	44.77	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.36	18.51	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	4.99	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	6.23	13	PASS

Test Graphs

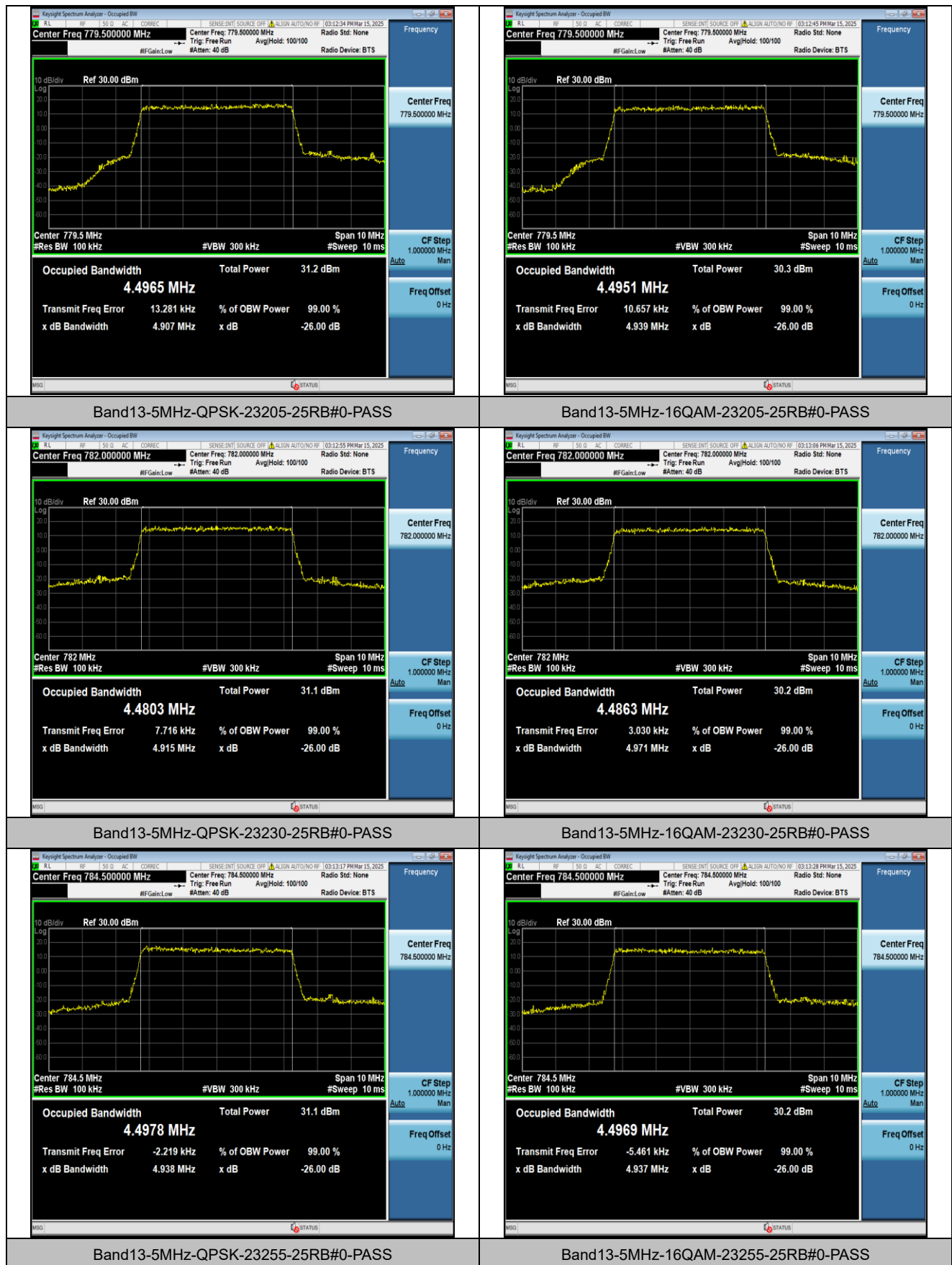


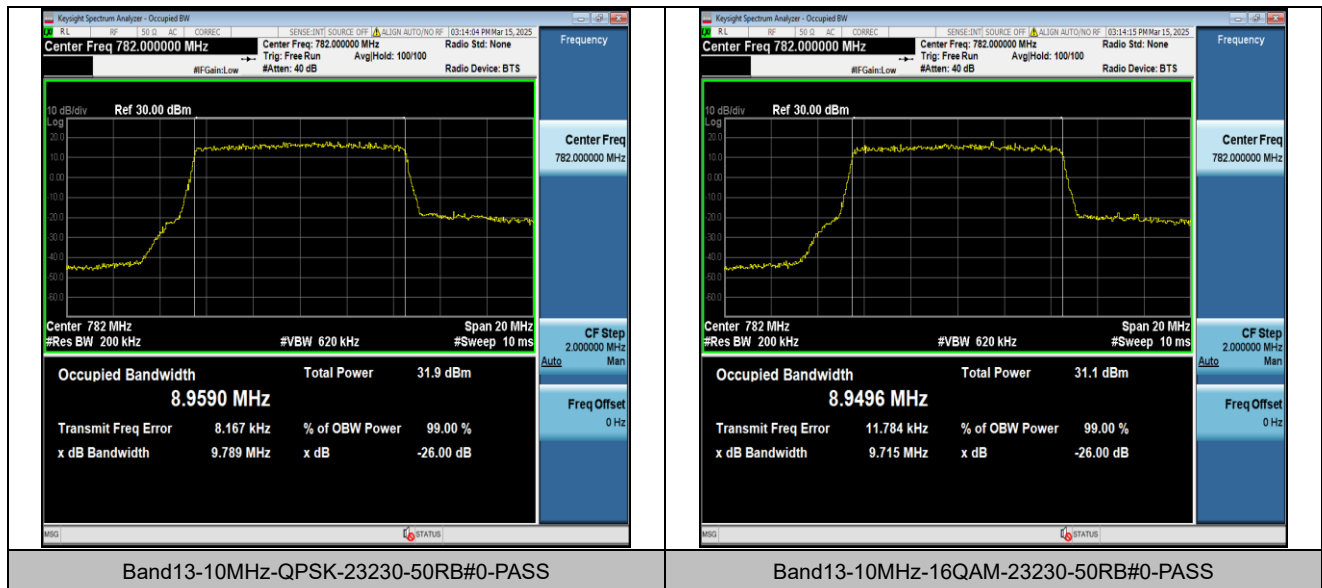
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4965	4.907	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4951	4.939	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4803	4.915	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4863	4.971	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4978	4.938	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4969	4.937	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9590	9.789	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9496	9.715	PASS

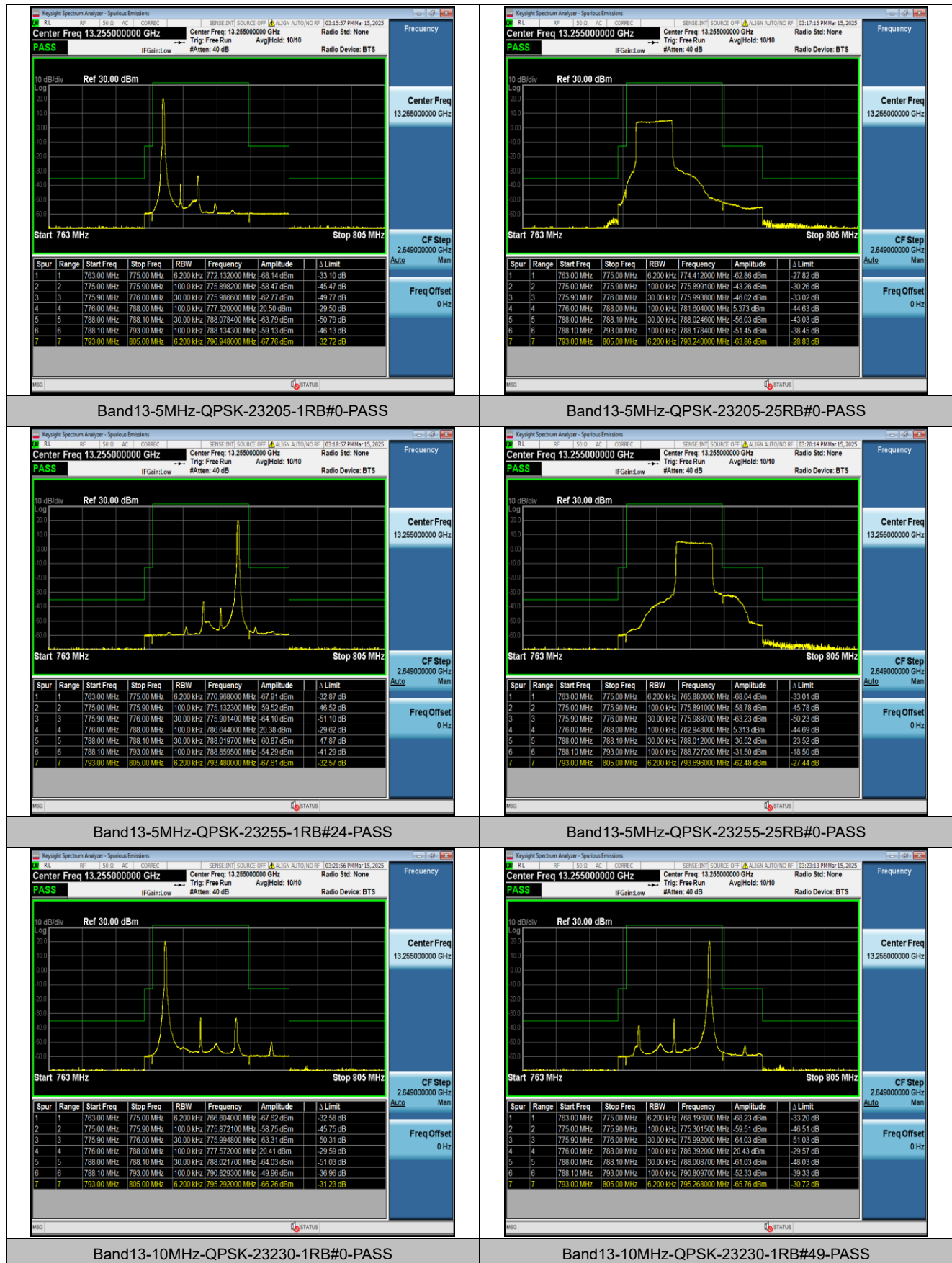
Test Graphs

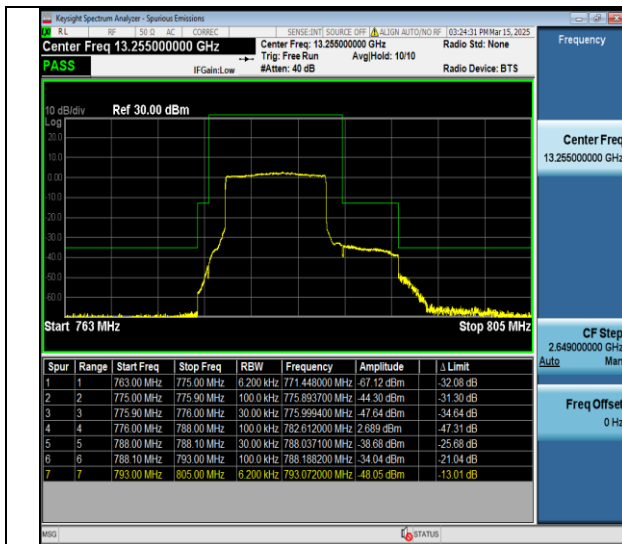




Band Edge

Test Graphs

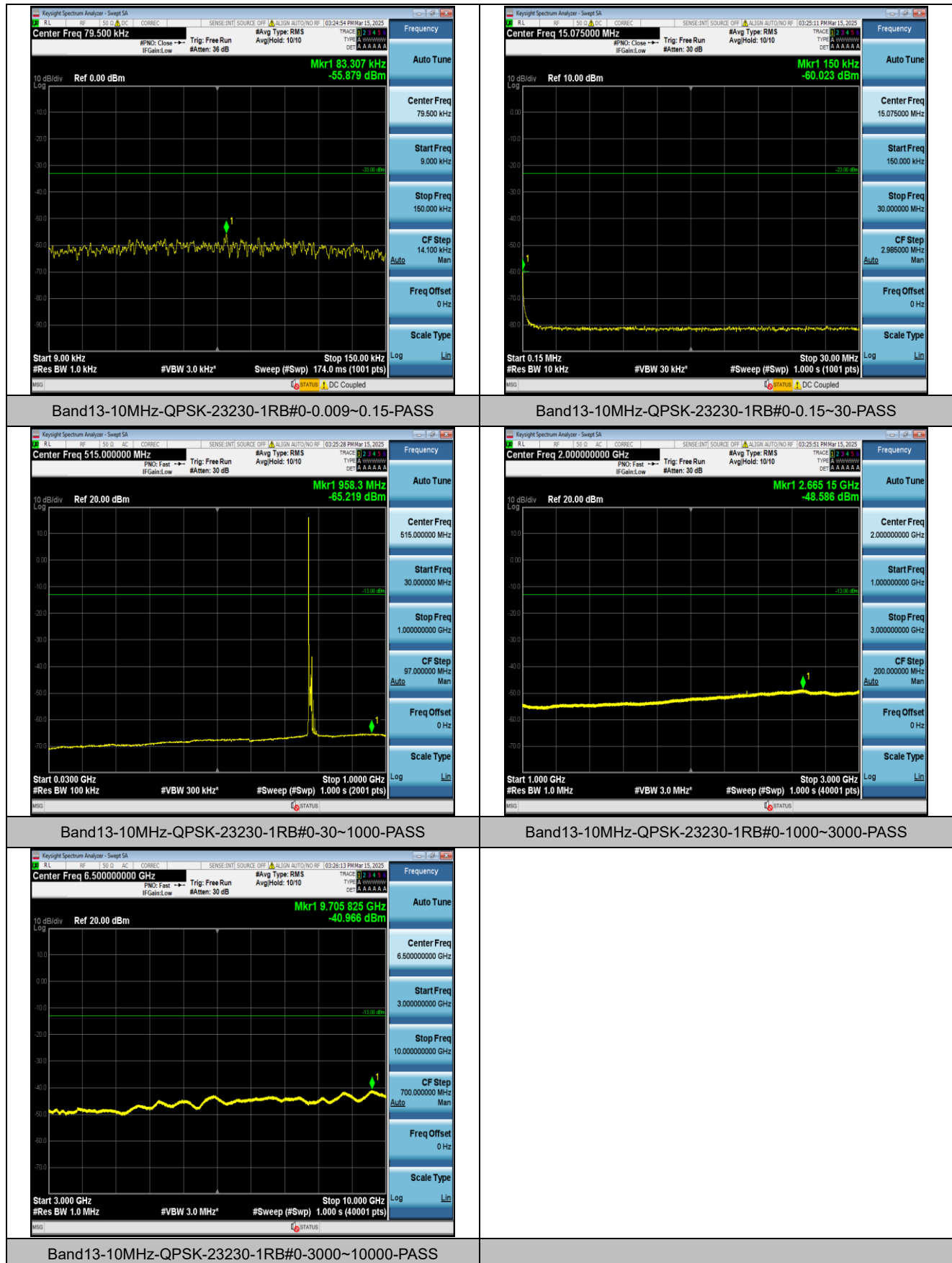




Band13-10MHz-QPSK-23230-50RB#0-PASS

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	1.80	0.002302	PASS
Band13	10MHz	QPSK	23230	100RB#0	VL	NT	-3.90	-0.004987	PASS
Band13	10MHz	QPSK	23230	100RB#0	VH	NT	-3.90	-0.004987	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	-3.10	-0.003964	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	-20	-4.10	-0.005243	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	-10	-2.20	-0.002813	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	0	-6.40	-0.008184	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	10	-2.30	-0.002941	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	20	-6.50	-0.008312	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	30	-2.80	-0.003581	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	40	-7.70	-0.009847	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	50	-0.90	-0.001151	PASS

~The End~