

Appendix-A LTE Band 13

Effective (Isotropic) Radiated Power Output Data

Test Result

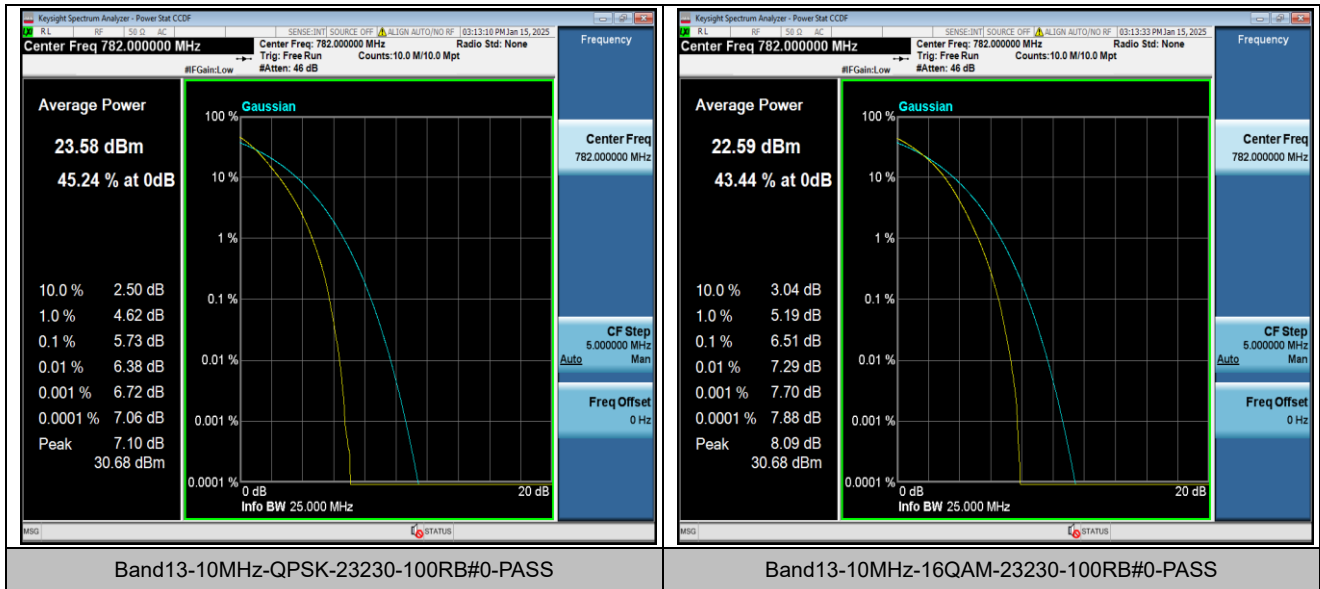
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.17	20.32	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.68	20.83	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.47	20.62	34.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.44	19.59	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.19	19.34	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.54	19.69	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.80	19.95	34.77	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.46	18.61	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.46	20.61	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.74	20.89	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.56	20.71	34.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.52	19.67	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.49	19.64	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.52	19.67	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.55	19.7	34.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.40	18.55	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.64	20.79	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.80	20.95	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.64	20.79	34.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.69	19.84	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.56	19.71	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.46	19.61	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.75	19.9	34.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.55	18.7	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.20	20.35	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.65	20.8	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.66	20.81	34.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.59	19.74	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.23	19.38	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.43	19.58	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.41	19.56	34.77	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.50	18.65	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	5.73	13	PASS
Band13	10MHz	16QAM	23230	100RB#0	6.51	13	PASS

Test Graphs

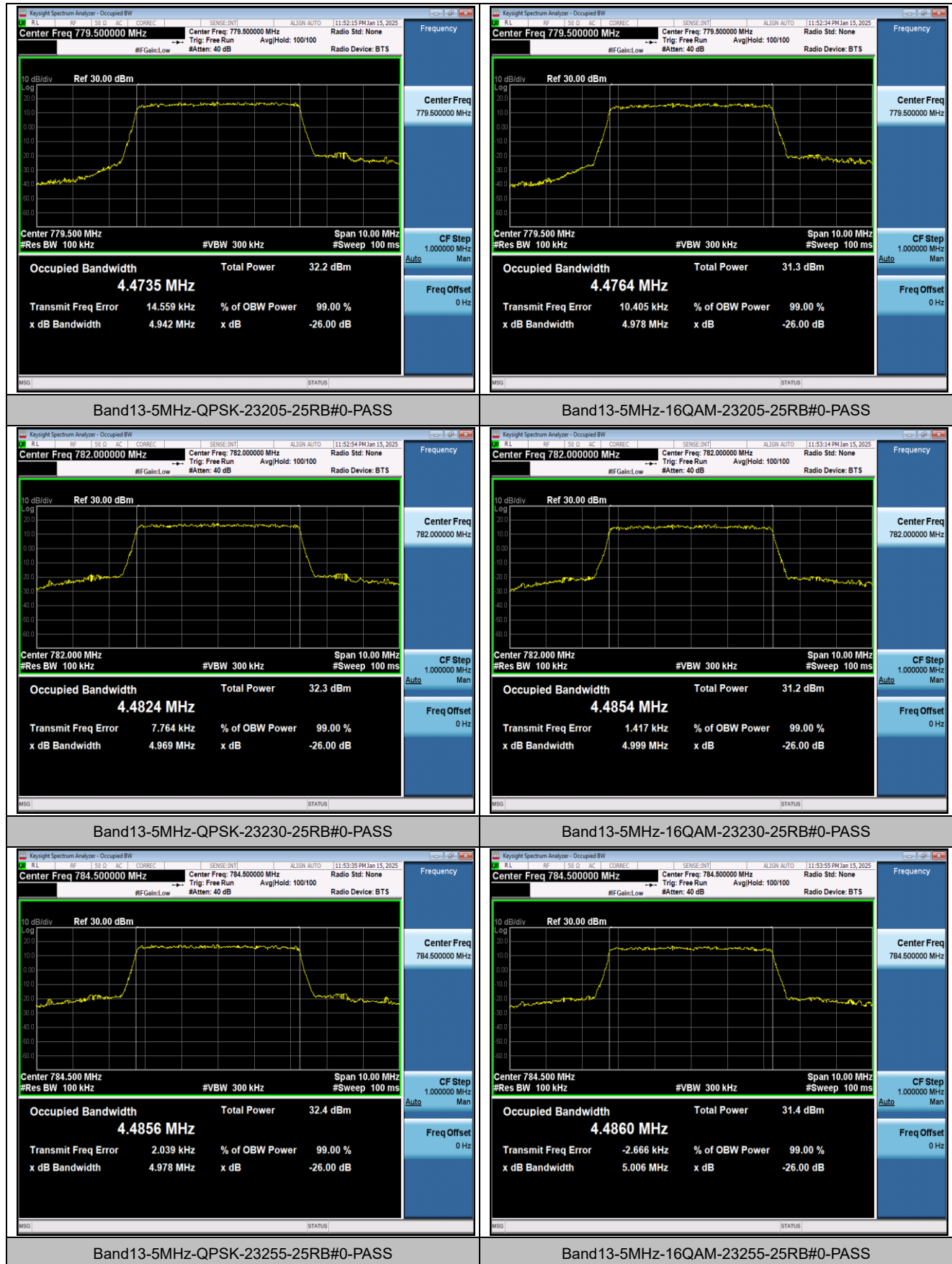


26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4735	4.942	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4764	4.978	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4824	4.969	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4854	4.999	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4856	4.978	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4860	5.006	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9554	9.777	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9349	9.747	PASS

Test Graphs





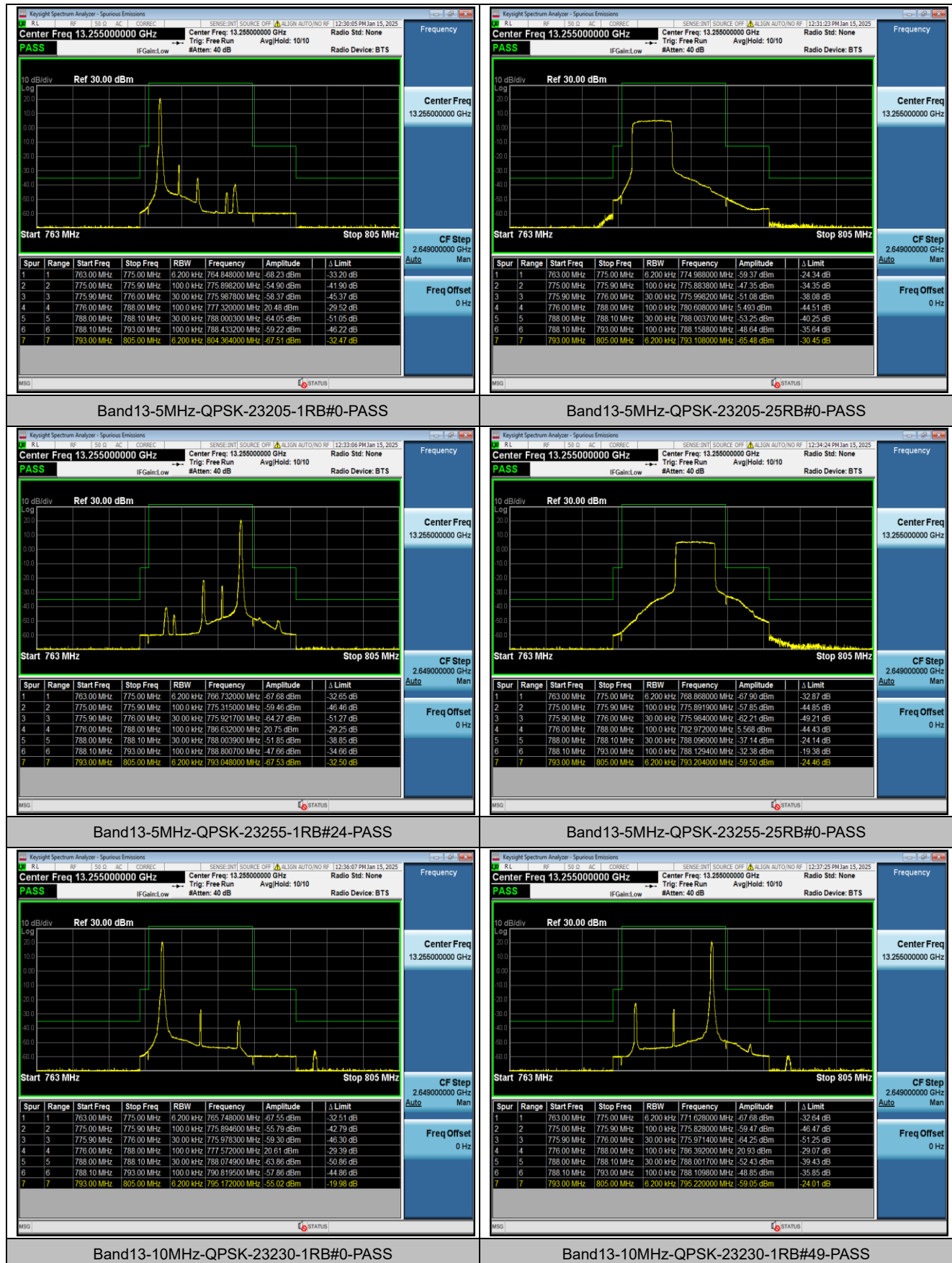
Band13-10MHz-QPSK-23230-50RB#0-PASS

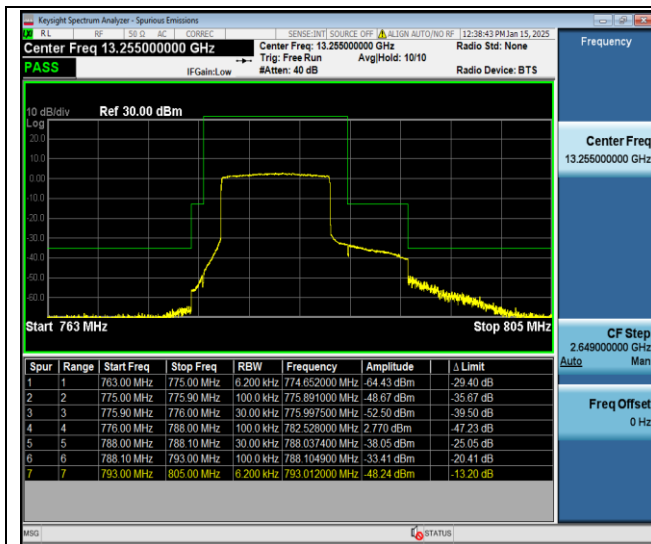


Band13-10MHz-16QAM-23230-50RB#0-PASS

Band Edge

Test Graphs

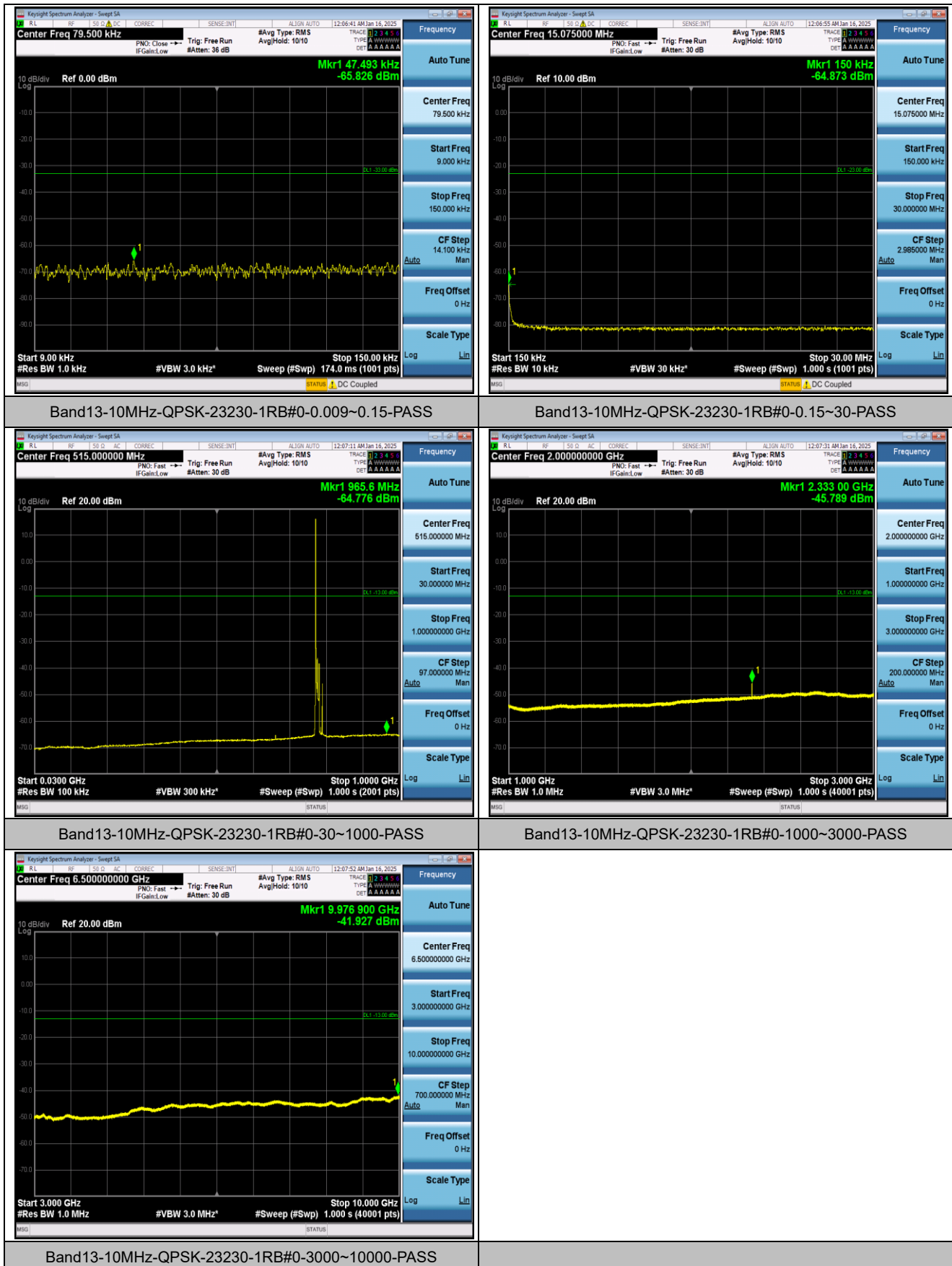




Band13-10MHz-QPSK-23230-50RB#0-PASS

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	50RB#0	VN	NT	-0.30	-0.000384	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	0.90	0.001151	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	0.90	0.001151	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	-1.50	-0.001918	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	1.40	0.001790	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-0.30	-0.000384	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	0.40	0.000512	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	0.00	0.000000	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	0.40	0.000512	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-2.60	-0.003325	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-0.50	-0.000639	PASS

~The End~