

Appendix-C LTE Band 13

Effective (Isotropic) Radiated Power Output Data

Test Result

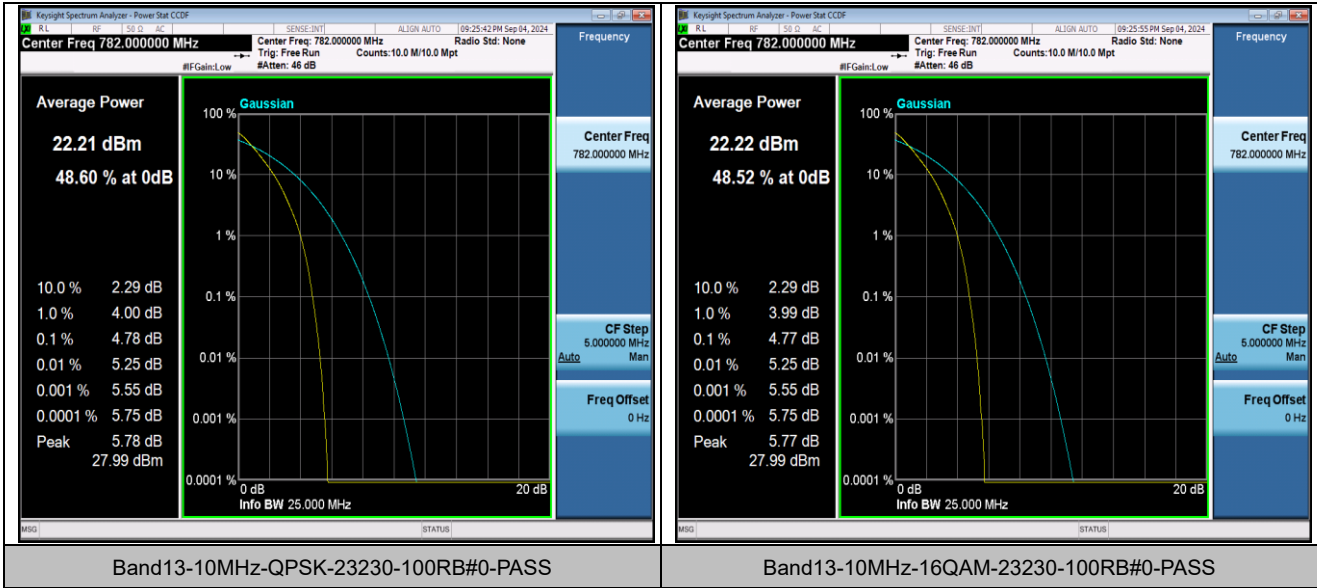
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.62	22.39	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	23.28	22.05	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.53	22.3	34.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.40	21.17	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.50	22.27	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.42	22.19	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.41	22.18	34.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.47	21.24	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.48	22.25	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.44	22.21	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.54	22.31	34.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.48	21.25	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.52	21.29	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.30	21.07	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.50	21.27	34.77	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.42	20.19	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.60	21.37	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.48	21.25	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.65	21.42	34.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.57	20.34	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	21.91	20.68	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.27	21.04	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.28	21.05	34.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.50	20.27	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.30	22.07	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.35	22.12	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.38	22.15	34.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.46	21.23	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.21	20.98	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.54	21.31	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.57	21.34	34.77	PASS
Band13	10MHz	16QAM	23230	50RB#0	21.52	20.29	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	4.78	13	PASS
Band13	10MHz	16QAM	23230	100RB#0	4.77	13	PASS

Test Graphs

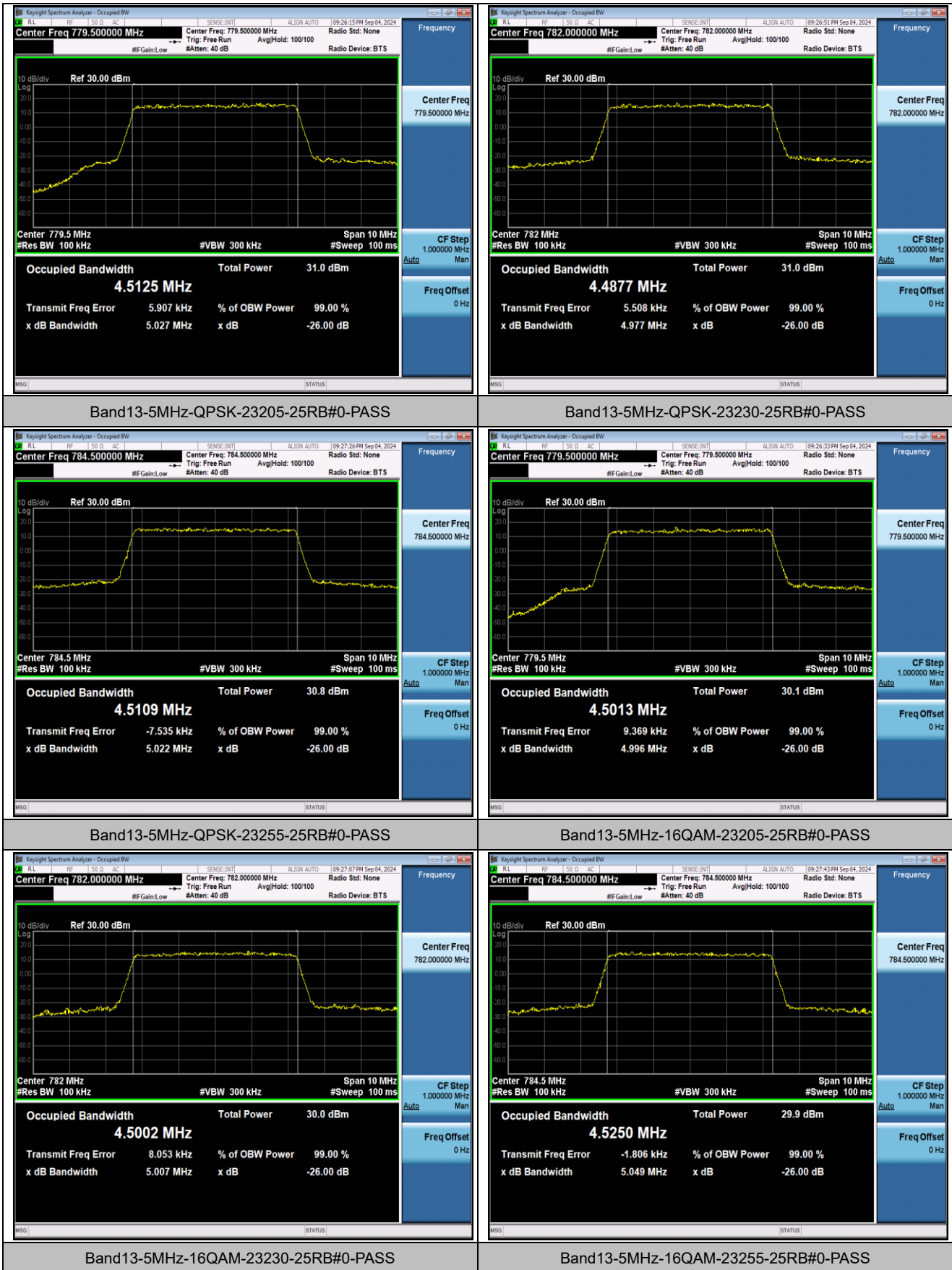


26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5125	5.027	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4877	4.977	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5109	5.022	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5013	4.996	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5002	5.007	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5250	5.049	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9605	9.931	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9669	9.838	PASS

Test Graphs





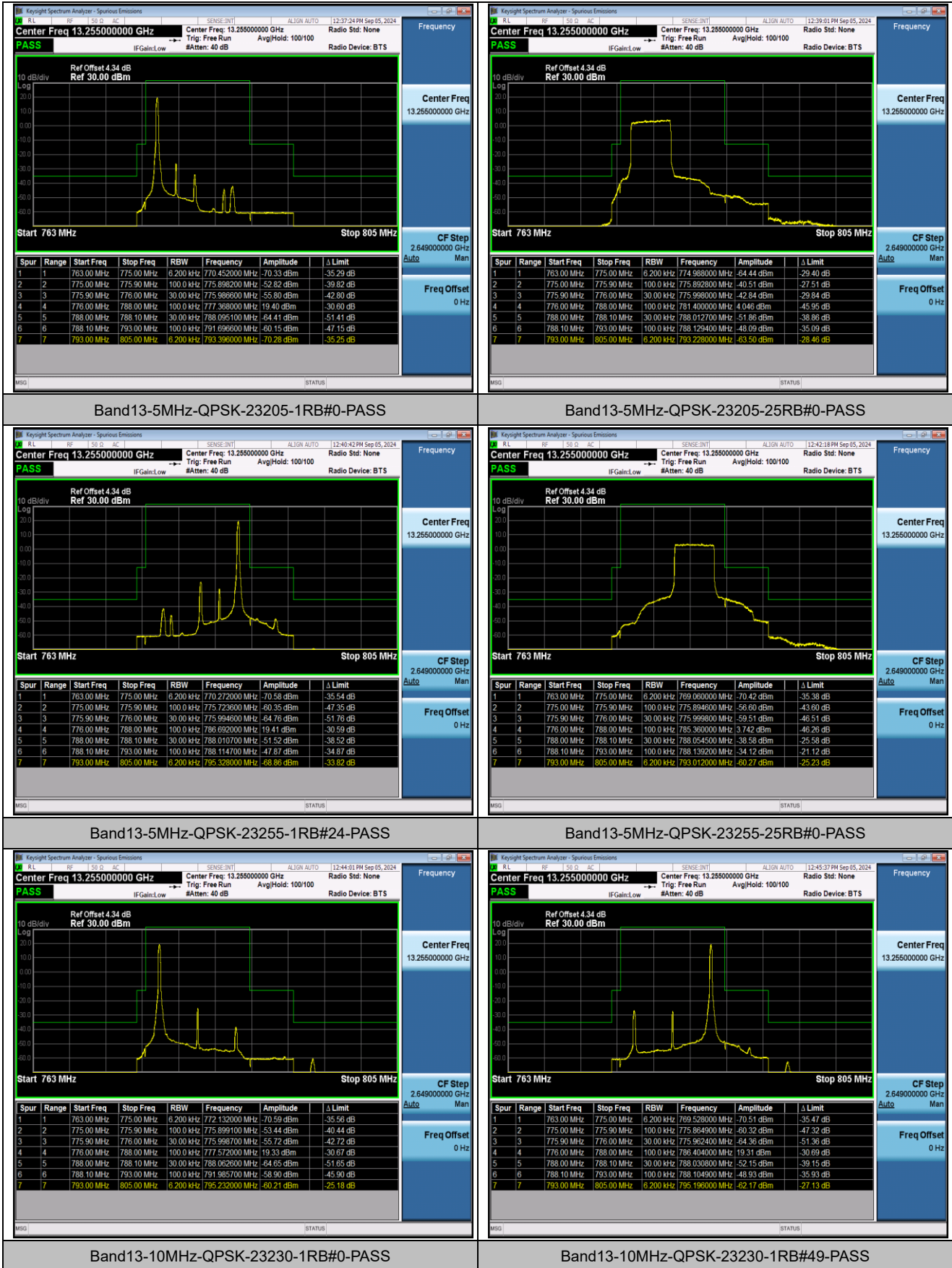
Band13-10MHz-QPSK-23230-50RB#0-PASS



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

Band Edge

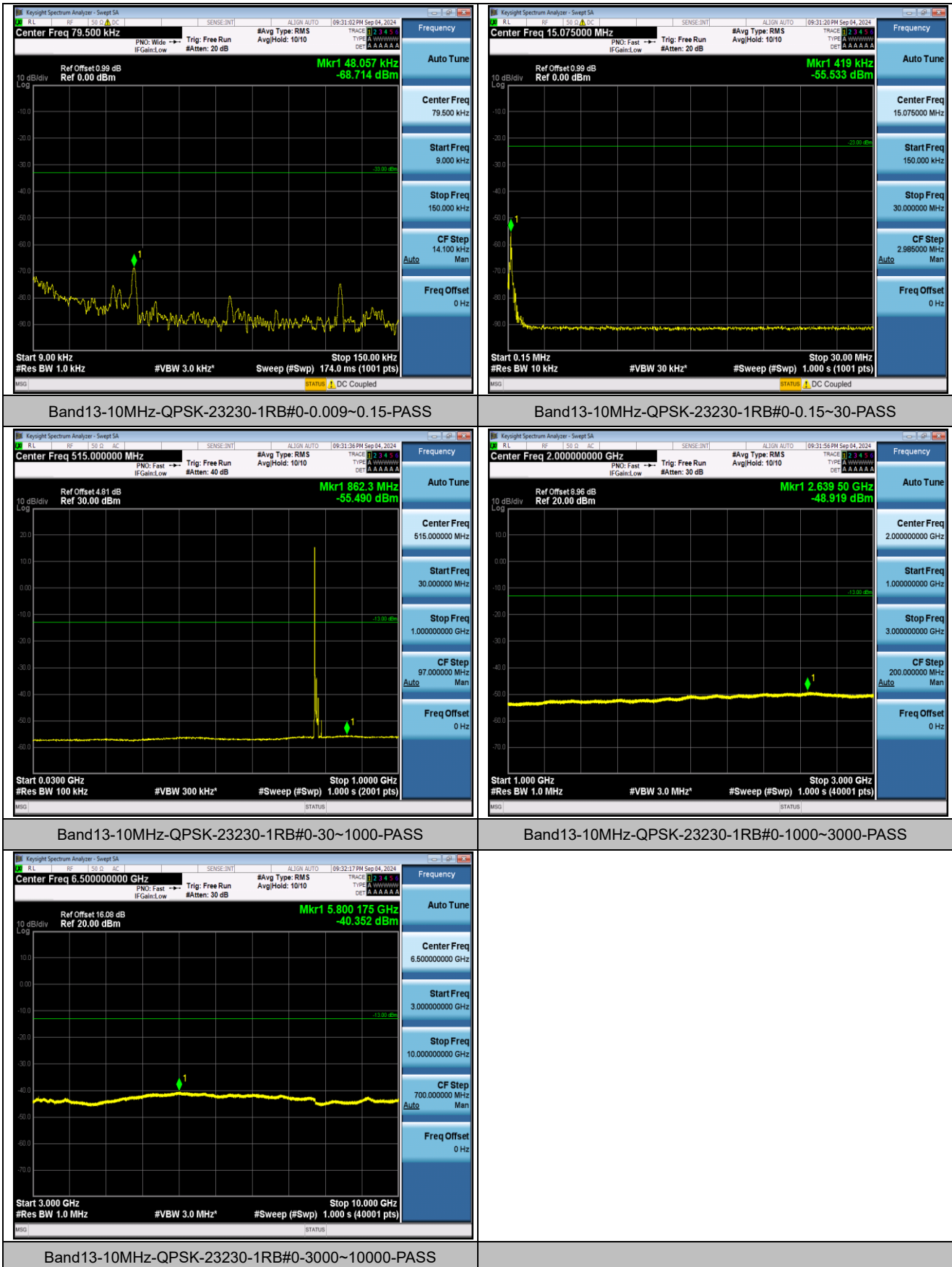
Test Graphs





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	3.43	0.004386	PASS
Band13	10MHz	QPSK	23230	100RB#0	VL	NT	1.79	0.002289	PASS
Band13	10MHz	QPSK	23230	100RB#0	VH	NT	1.85	0.002366	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	-1.80	-0.002302	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	-20	2.92	0.003734	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	-10	-1.16	-0.001483	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	0	1.36	0.001739	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	10	-2.09	-0.002673	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	20	1.20	0.001535	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	30	3.10	0.003964	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	40	3.68	0.004706	PASS
Band13	10MHz	QPSK	23230	100RB#0	NV	50	1.90	0.002430	PASS