

Appendix-A LTE Band 13

Effective (Isotropic) Radiated Power Output Data

Test Result

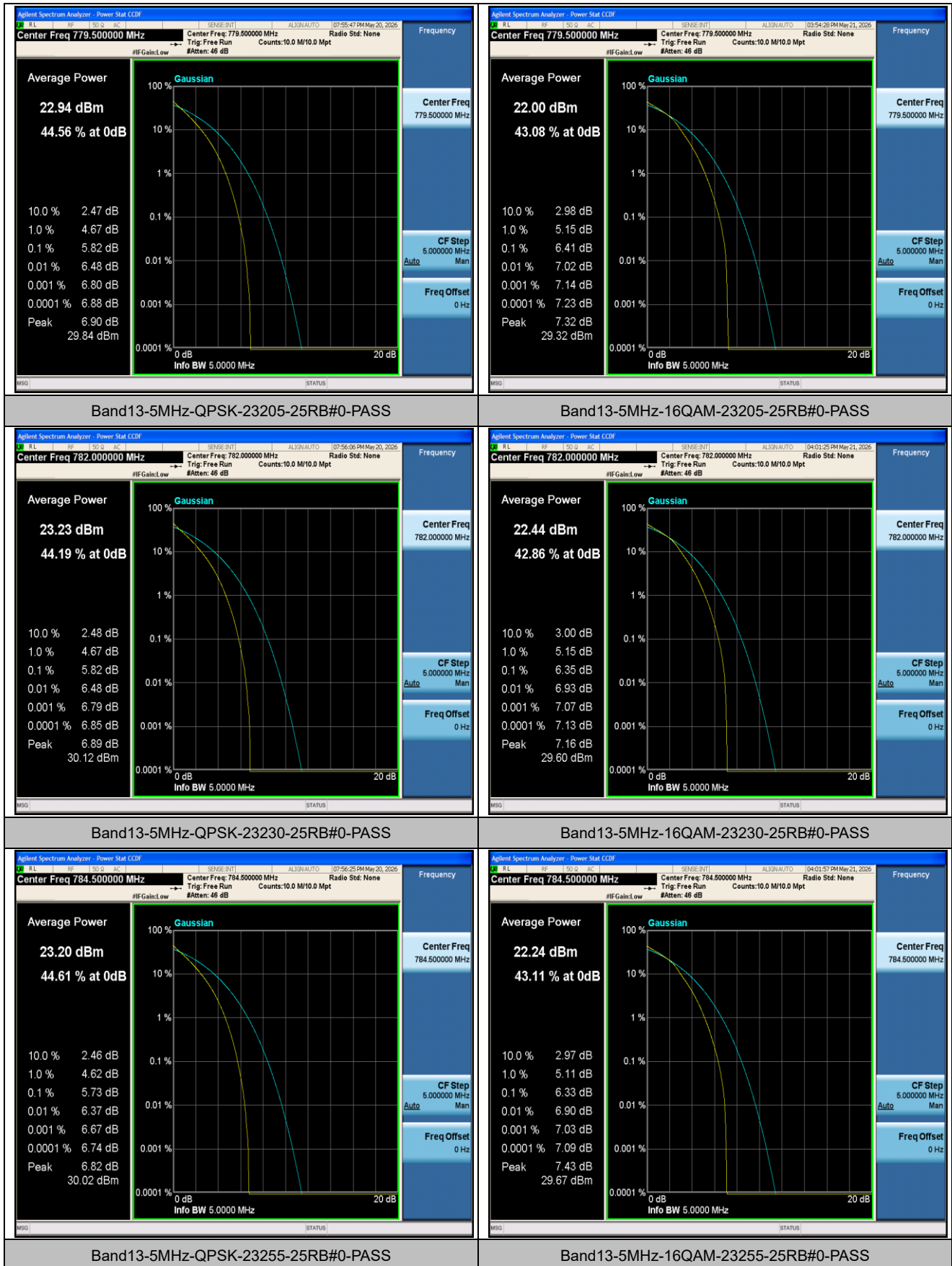
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	22.63	22.48	44.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.57	22.42	44.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.91	22.76	44.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	21.91	21.76	44.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.08	21.93	44.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	21.84	21.69	44.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.07	21.92	44.77	PASS
Band13	5MHz	16QAM	23205	25RB#0	20.86	20.71	44.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	22.87	22.72	44.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.81	22.66	44.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.08	22.93	44.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.05	21.9	44.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.21	22.06	44.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.27	22.12	44.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.32	22.17	44.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.1	20.95	44.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	22.51	22.36	44.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	22.59	22.44	44.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	22.9	22.75	44.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	21.89	21.74	44.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	21.69	21.54	44.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.04	21.89	44.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.02	21.87	44.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	20.83	20.68	44.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	22.92	22.77	44.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.74	22.59	44.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.2	23.05	44.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.14	21.99	44.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.19	22.04	44.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	21.97	21.82	44.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.53	22.38	44.77	PASS
Band13	10MHz	16QAM	23230	27RB#0	21.05	20.9	44.77	PASS

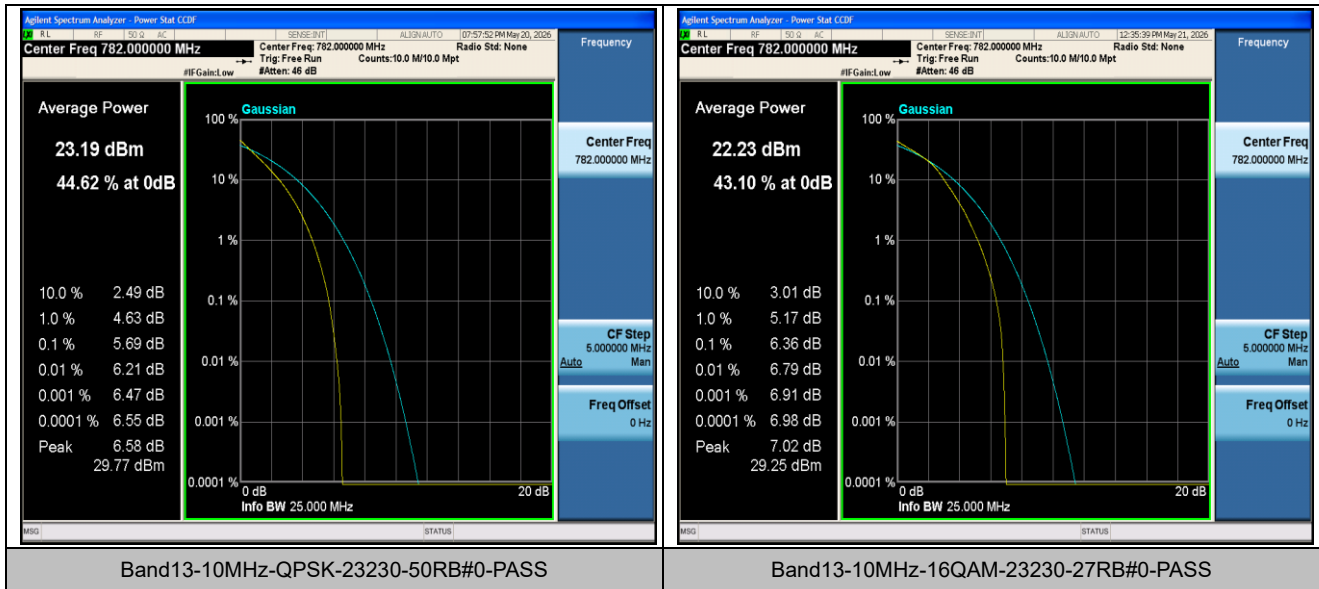
Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	5.82	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	6.41	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.82	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.35	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.73	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.33	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.69	13	PASS
Band13	10MHz	16QAM	23230	27RB#0	6.36	13	PASS

Test Graphs



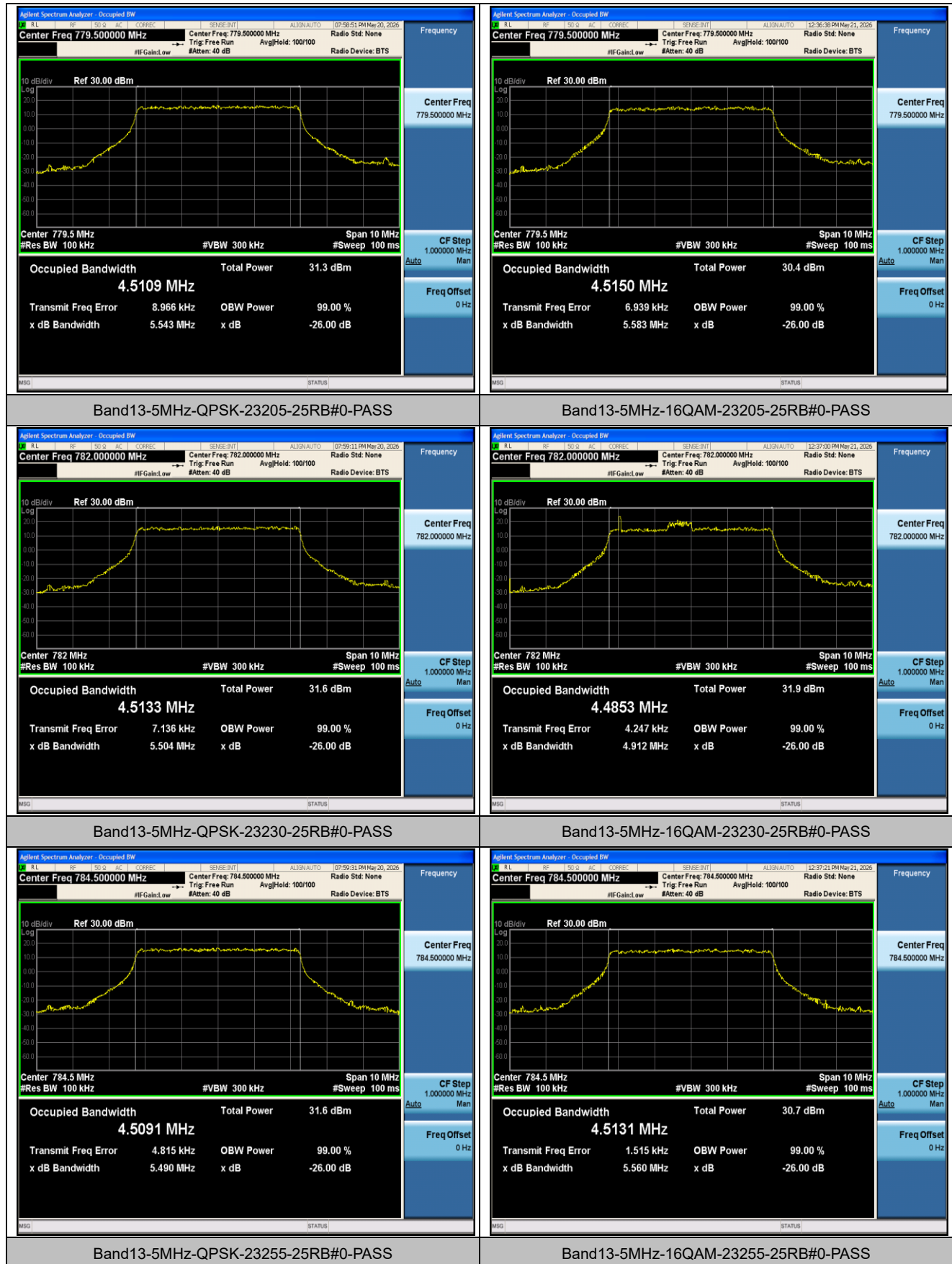


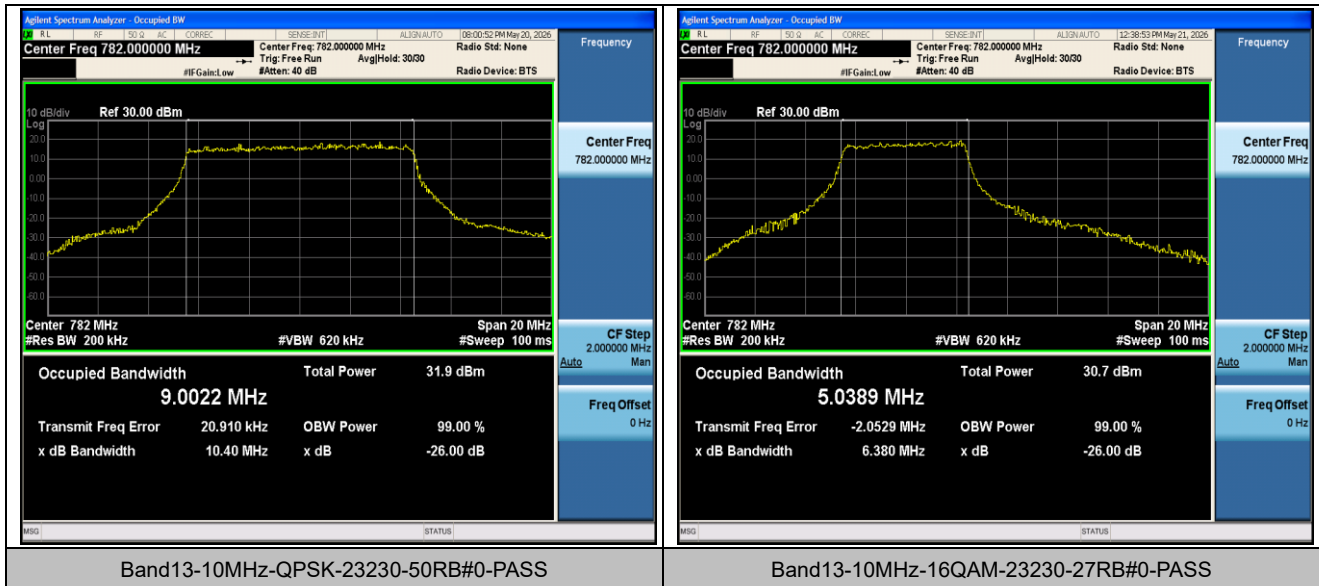
26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5109	5.543	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5150	5.583	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.5133	5.504	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4853	4.912	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5091	5.490	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5131	5.560	PASS
Band13	10MHz	QPSK	23230	50RB#0	9.0022	10.40	PASS
Band13	10MHz	16QAM	23230	27RB#0	5.0389	6.380	PASS

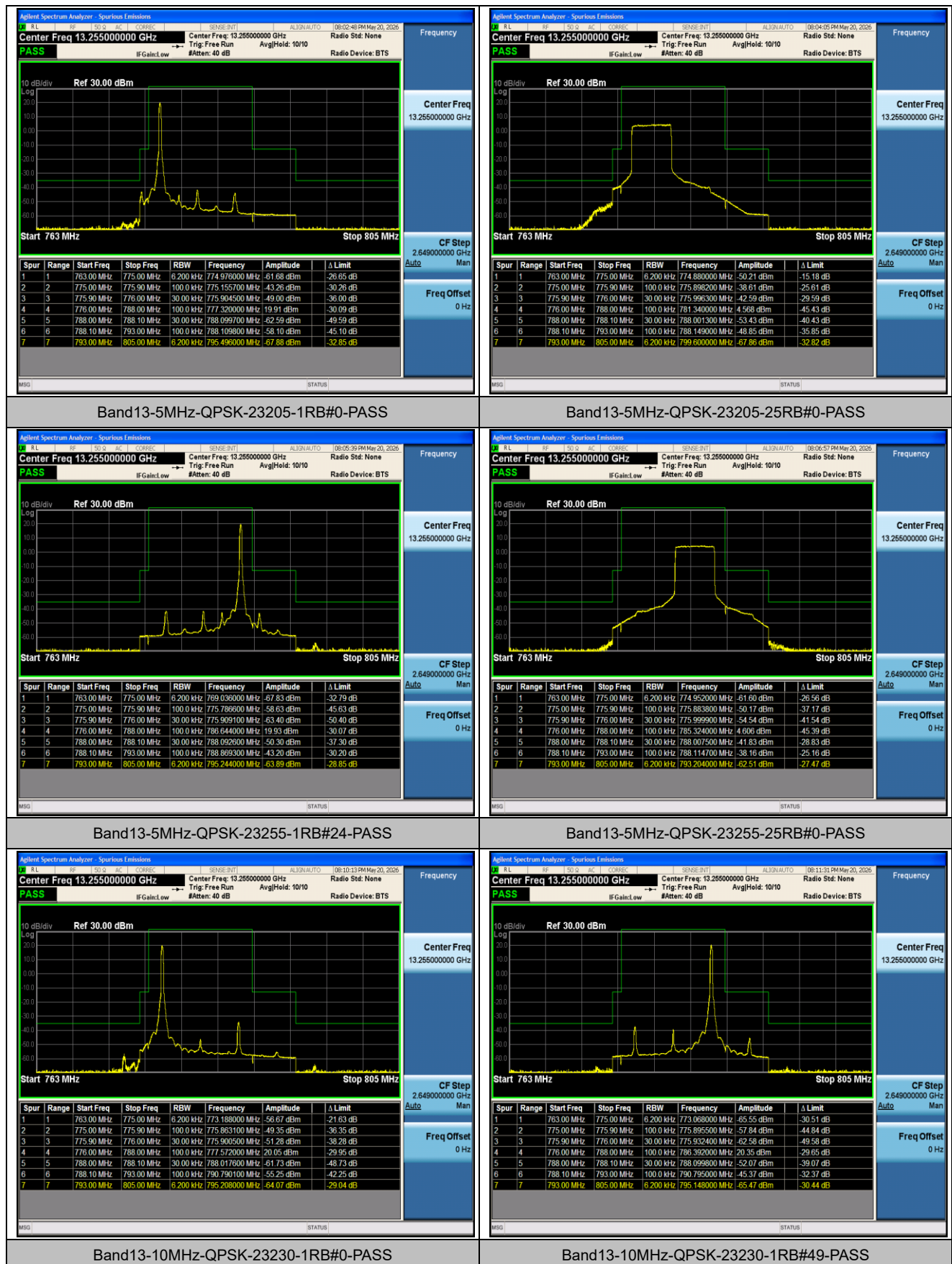
Test Graphs

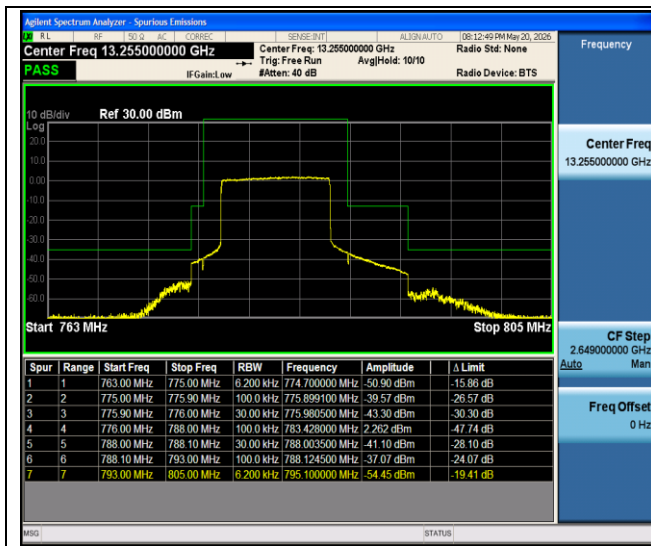




Band Edge

Test Graphs

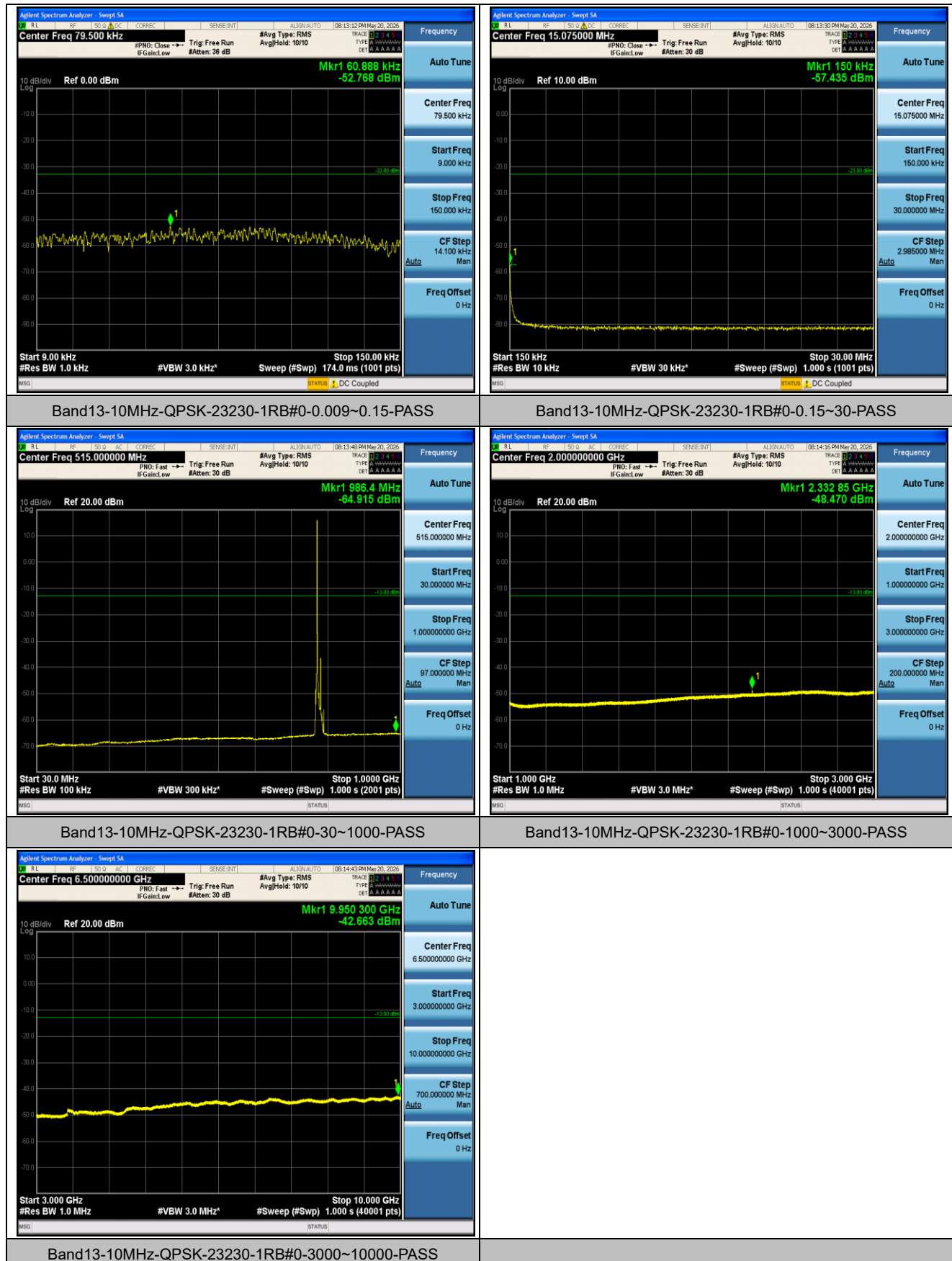




Band13-10MHz-QPSK-23230-50RB#0-PASS

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	50RB#0	VN	NT	-1.10	-0.001407	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-1.00	-0.001279	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-1.10	-0.001407	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	-0.80	-0.001023	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-0.20	-0.000256	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	0.00	0.000000	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-0.80	-0.001023	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	0.10	0.000128	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	-0.20	-0.000256	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-1.20	-0.001535	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-0.40	-0.000512	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	0.30	0.000384	PASS

~The End~