

Appendix-A LTE Band 13

Effective (Isotropic) Radiated Power Output Data

Test Result

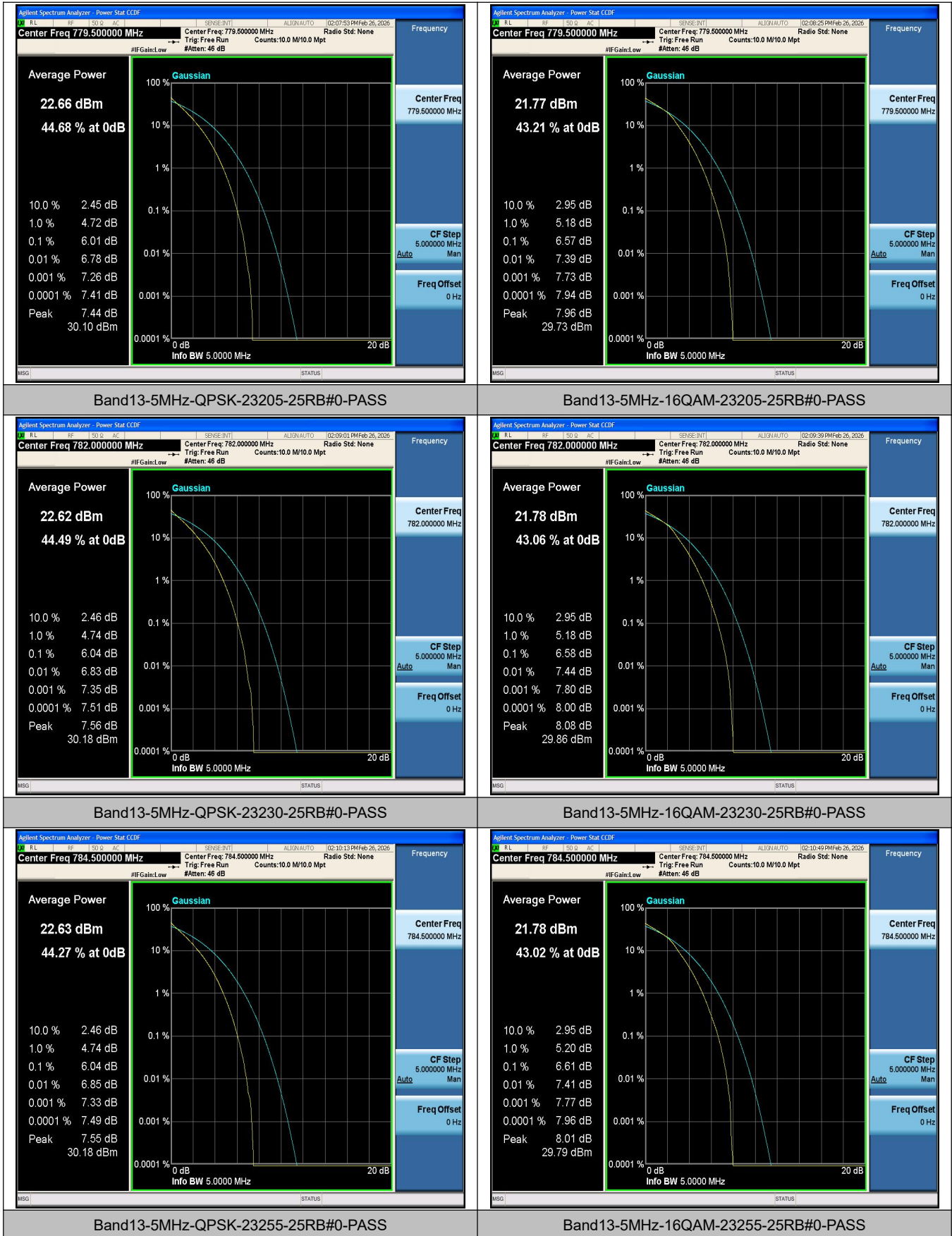
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	23.38	25.68	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.95	25.25	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	23.17	25.47	34.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.24	24.54	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.03	24.33	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.07	24.37	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.34	24.64	34.77	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.36	23.66	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.12	25.42	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.93	25.23	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.17	25.47	34.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.25	24.55	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.3	24.6	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.18	24.48	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.13	24.43	34.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.31	23.61	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.59	25.89	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.04	25.34	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.16	25.46	34.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.5	24.8	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.46	24.76	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.41	24.71	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.45	24.75	34.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.6	23.9	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.22	25.52	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	23.1	25.4	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.2	25.5	34.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.3	24.6	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	21.92	24.22	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.41	24.71	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.43	24.73	34.77	PASS
Band13	10MHz	16QAM	23230	27RB#0	21.38	23.68	34.77	PASS

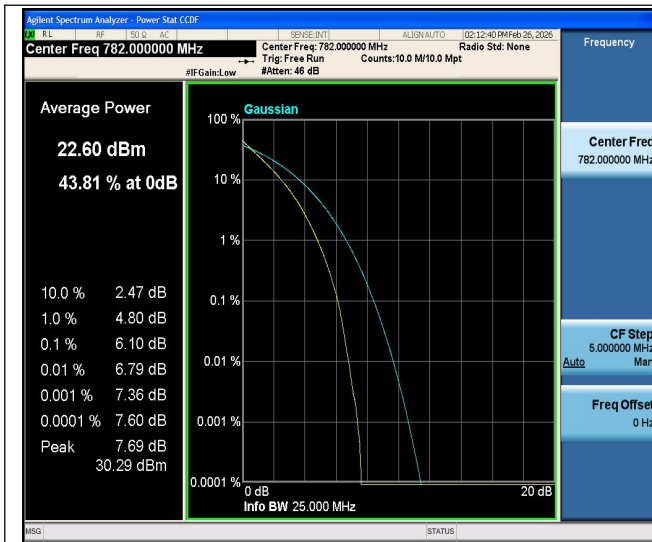
Peak-to-Average Ratio(CCDF)

Test Result

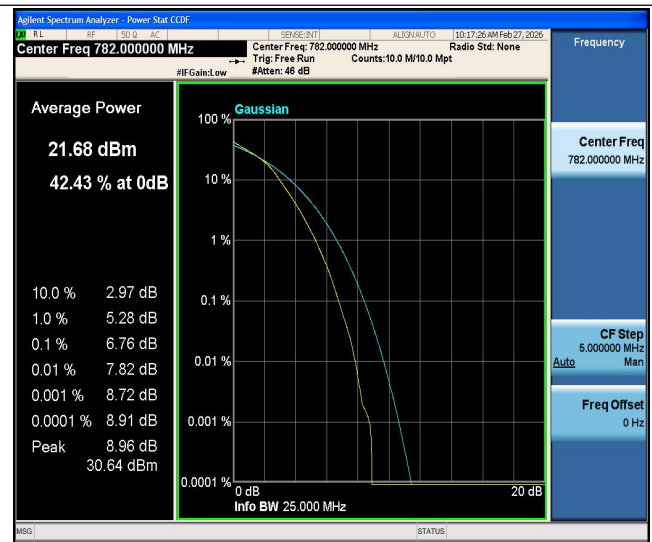
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	6.01	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	6.57	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	6.04	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.58	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	6.04	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.61	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	6.10	13	PASS
Band13	10MHz	16QAM	23230	27RB#0	6.76	13	PASS

Test Graphs





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



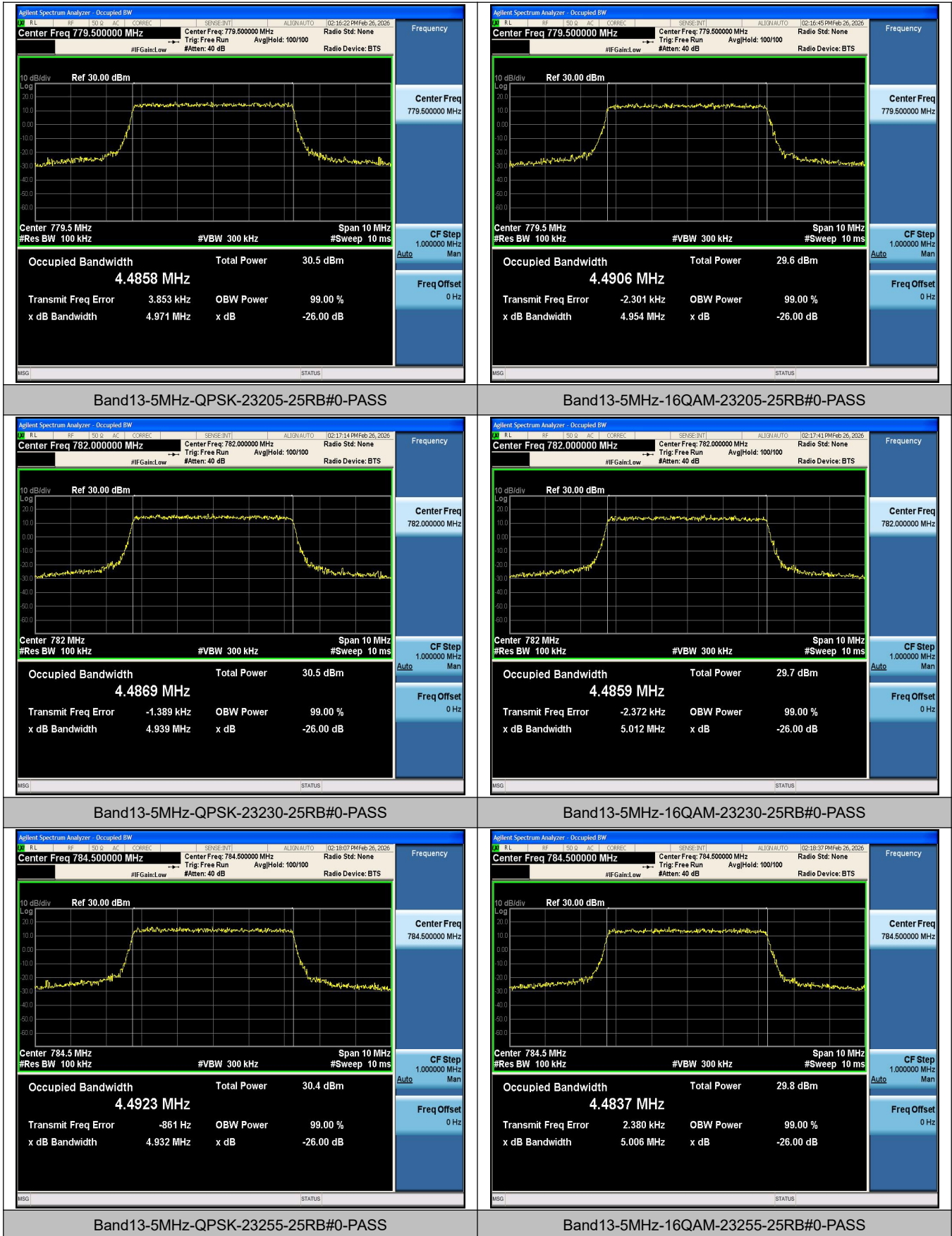
Band13-10MHz-16QAM-23230-27RB#0-PASS

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	4.4858	4.971	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4906	4.954	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4869	4.939	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4859	5.012	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4923	4.932	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4837	5.006	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9706	10.24	PASS
Band13	10MHz	16QAM	23230	27RB#0	4.9780	6.062	PASS

Test Graphs





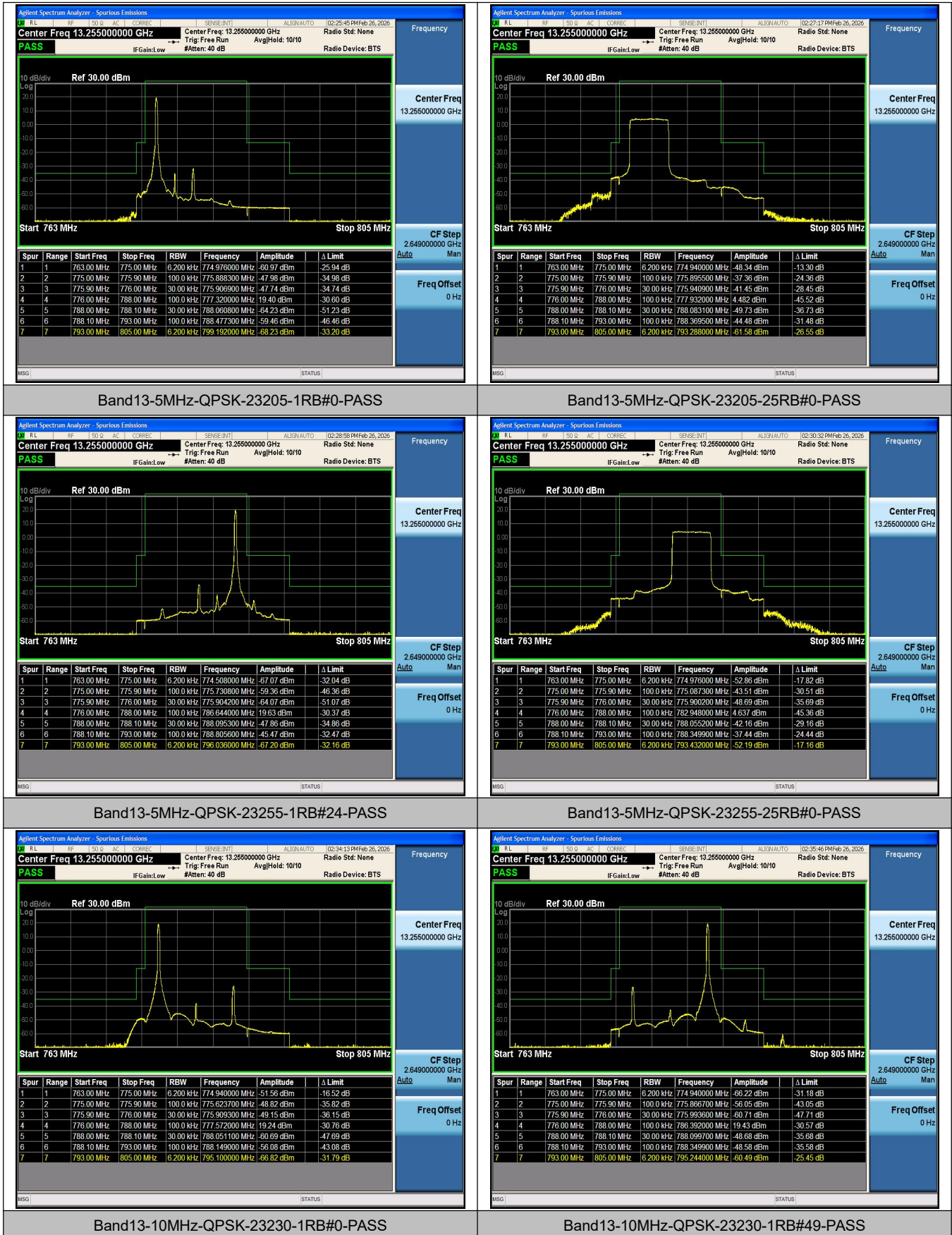
Band13-10MHz-QPSK-23230-50RB#0-PASS



Band13-10MHz-16QAM-23230-27RB#0-PASS

Band Edge

Test Graphs

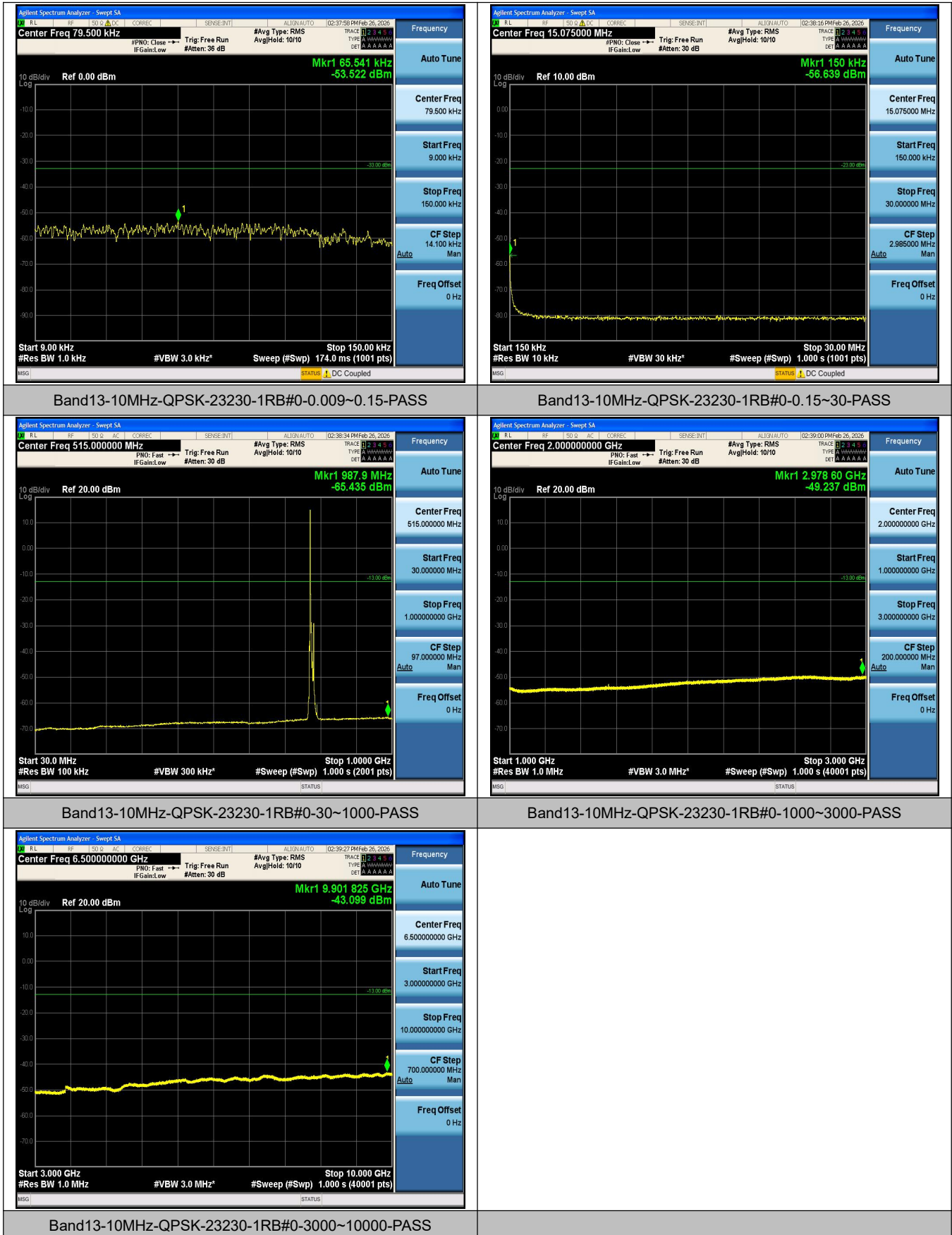




Band13-10MHz-QPSK-23230-50RB#0-PASS

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	-2.60	-0.003325	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-1.50	-0.001918	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-2.30	-0.002941	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	-1.60	-0.002046	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	-0.80	-0.001023	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	-0.20	-0.000256	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	0.10	0.000128	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-0.70	-0.000895	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	0.30	0.000384	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	0.70	0.000895	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-0.80	-0.001023	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-0.40	-0.000512	PASS

~The End~