

FCC Appendix RF Test Data for LTE Band 5

FCC ID : 2BVG4MP02

Company : BEIJING MERA TECHNOLOGY Co., Ltd

EUT : OxiLeash Pet GPS Tracker

Model Number : MP02

Report No. : CTA26062500303

Reviewed By : Eric Wang

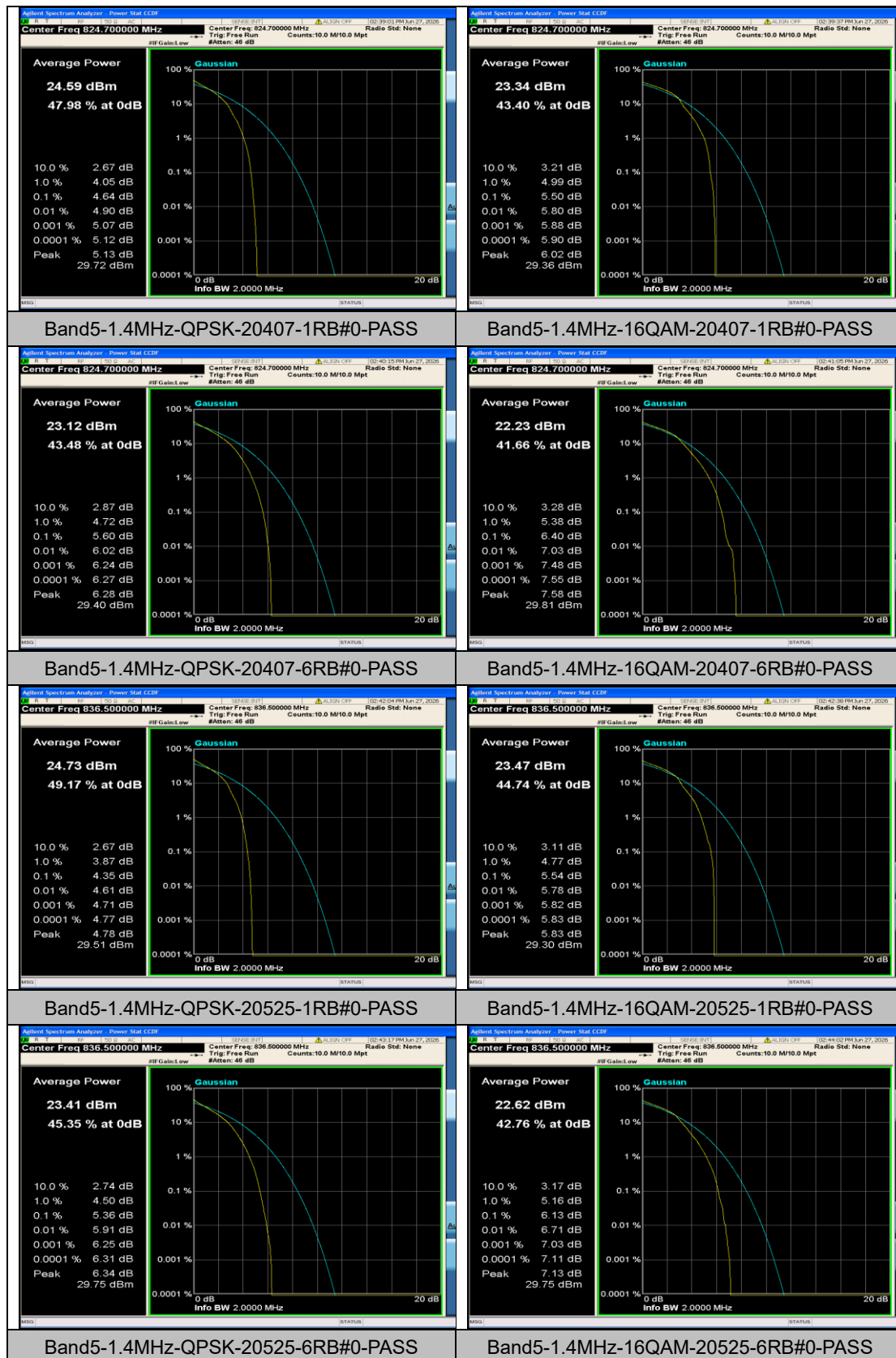
Appendix B: Peak-to-Average Ratio(CCDF)

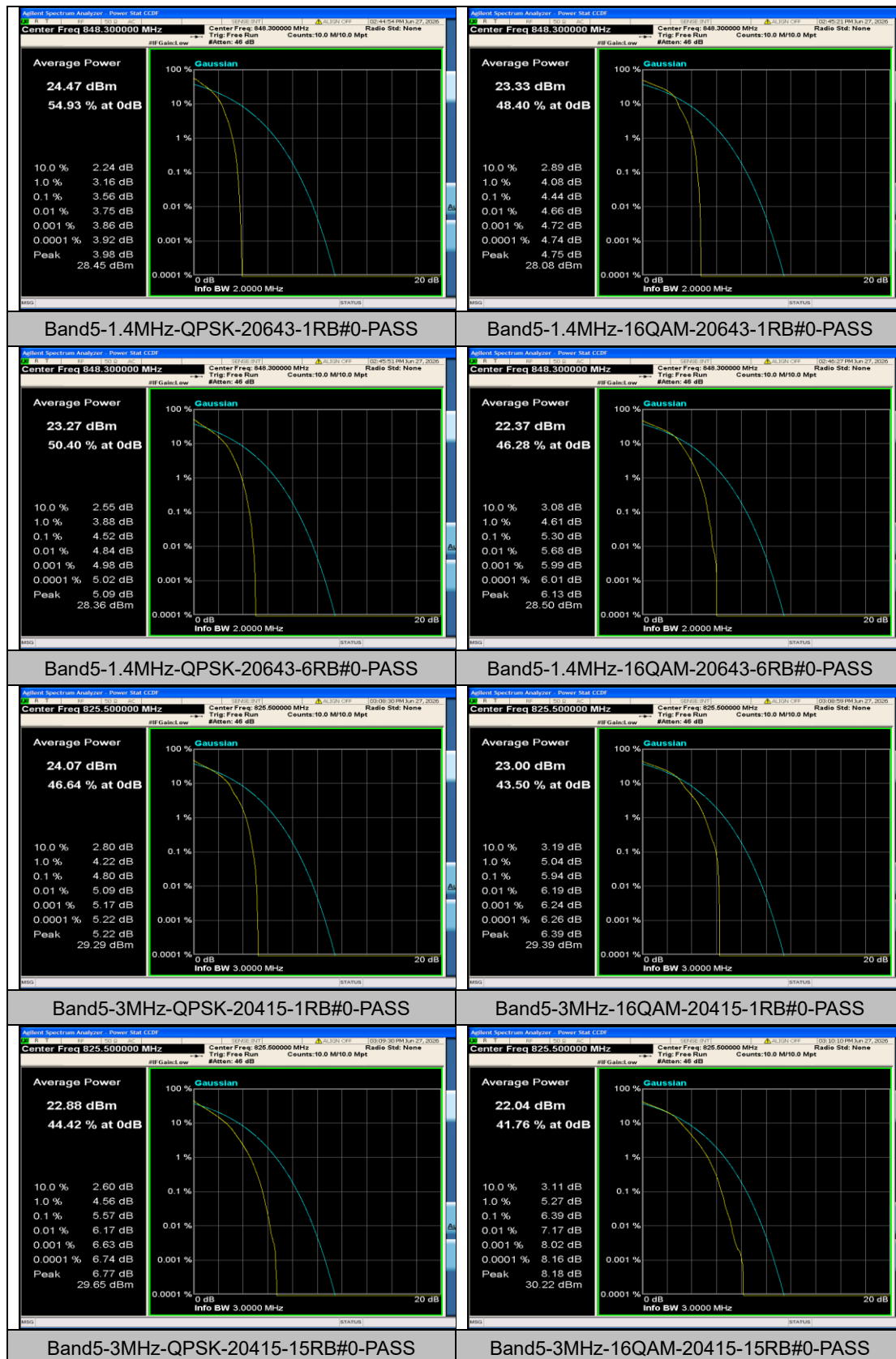
Test Result

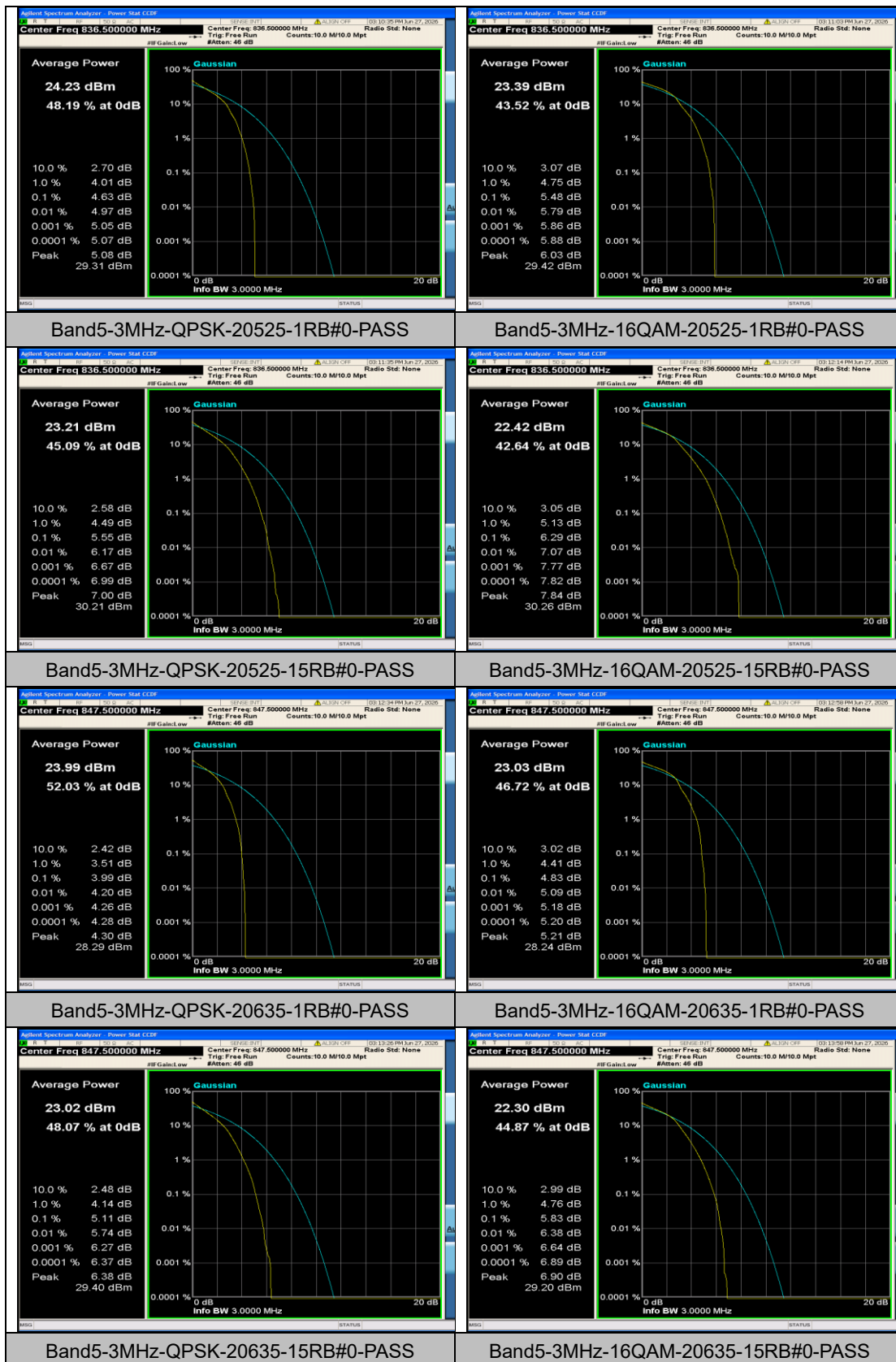
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.64	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.50	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.60	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.40	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.35	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.54	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.36	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.13	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	3.56	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.44	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.52	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.30	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.80	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.94	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.57	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.39	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.63	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.48	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.55	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.29	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.99	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.83	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.11	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.83	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.73	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.48	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.72	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.40	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	4.66	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.31	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.63	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.27	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	4.29	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	5.03	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.16	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.84	13	PASS

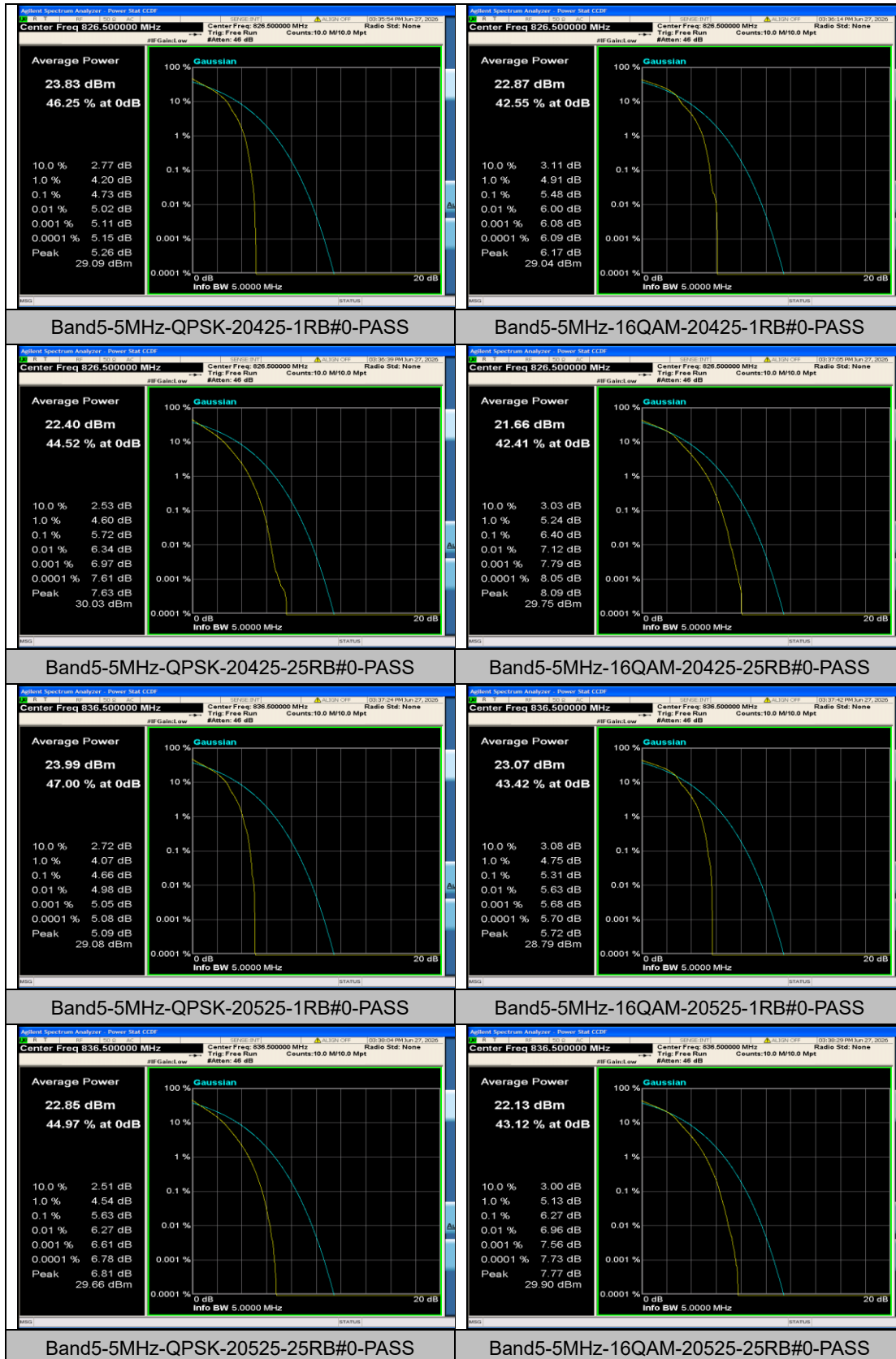
Band5	10MHz	QPSK	20450	1RB#0	4.79	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.63	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.44	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.40	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	4.36	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	5.49	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.55	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.66	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.45	13	PASS

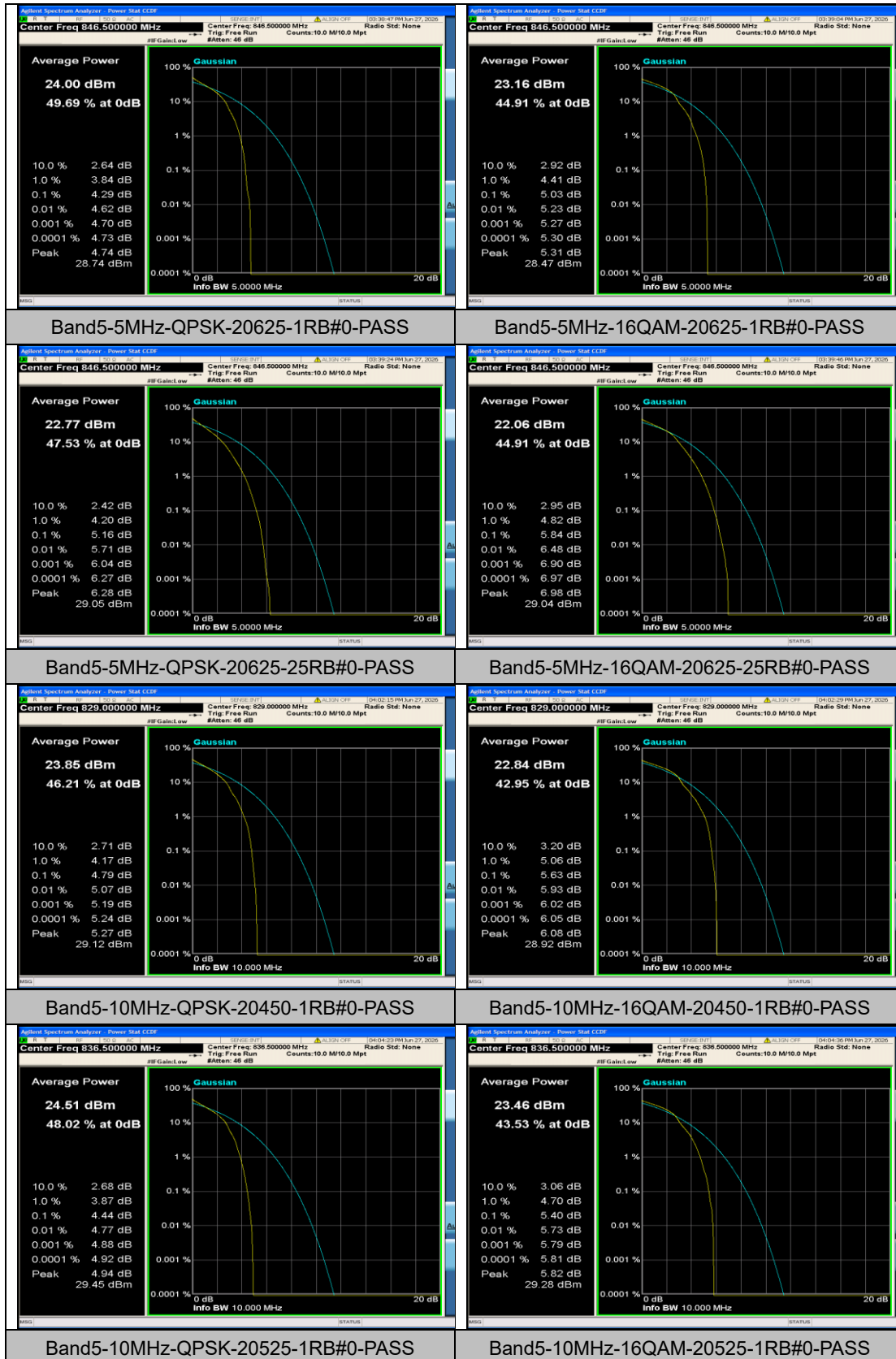
Test Graphs

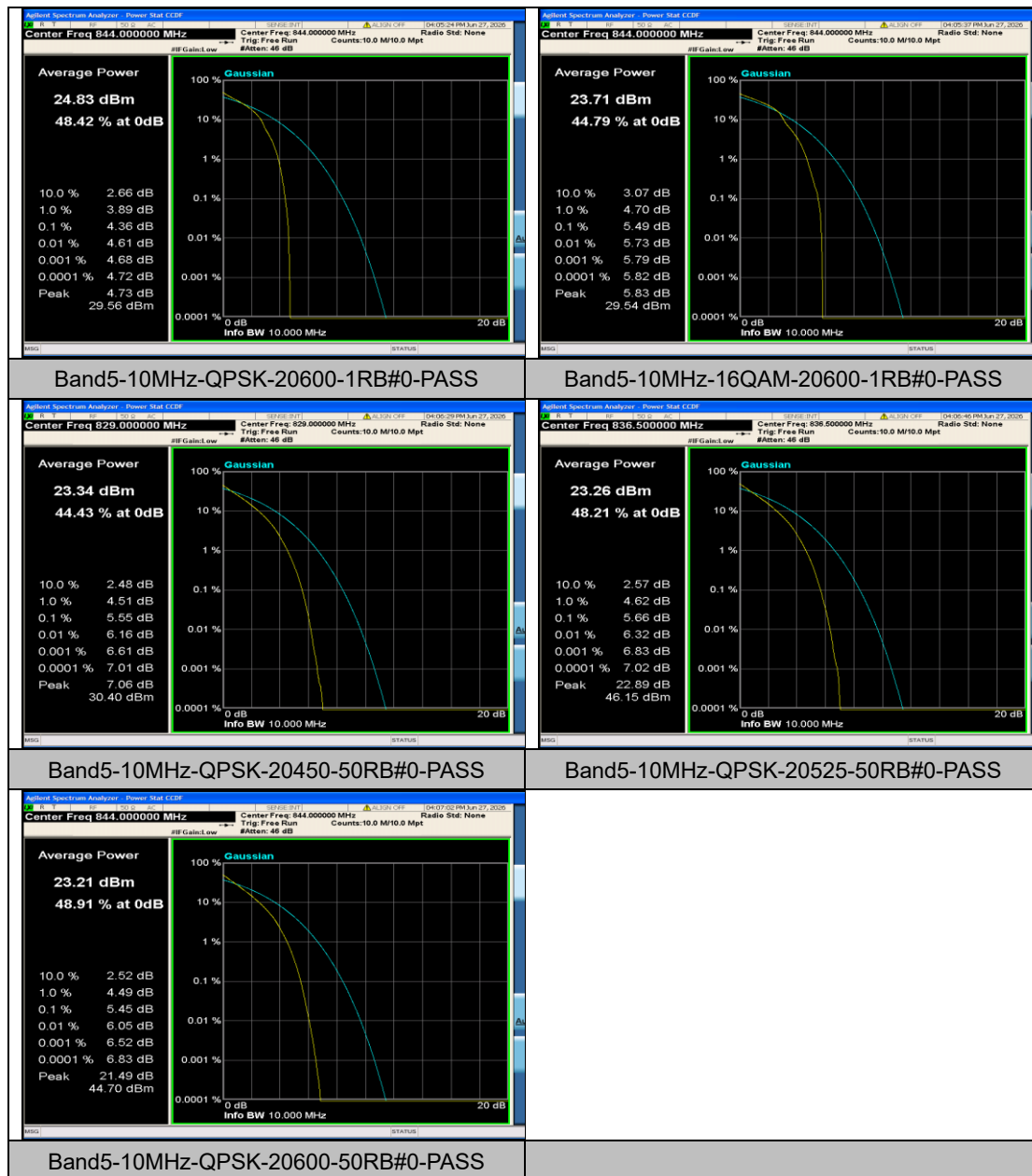










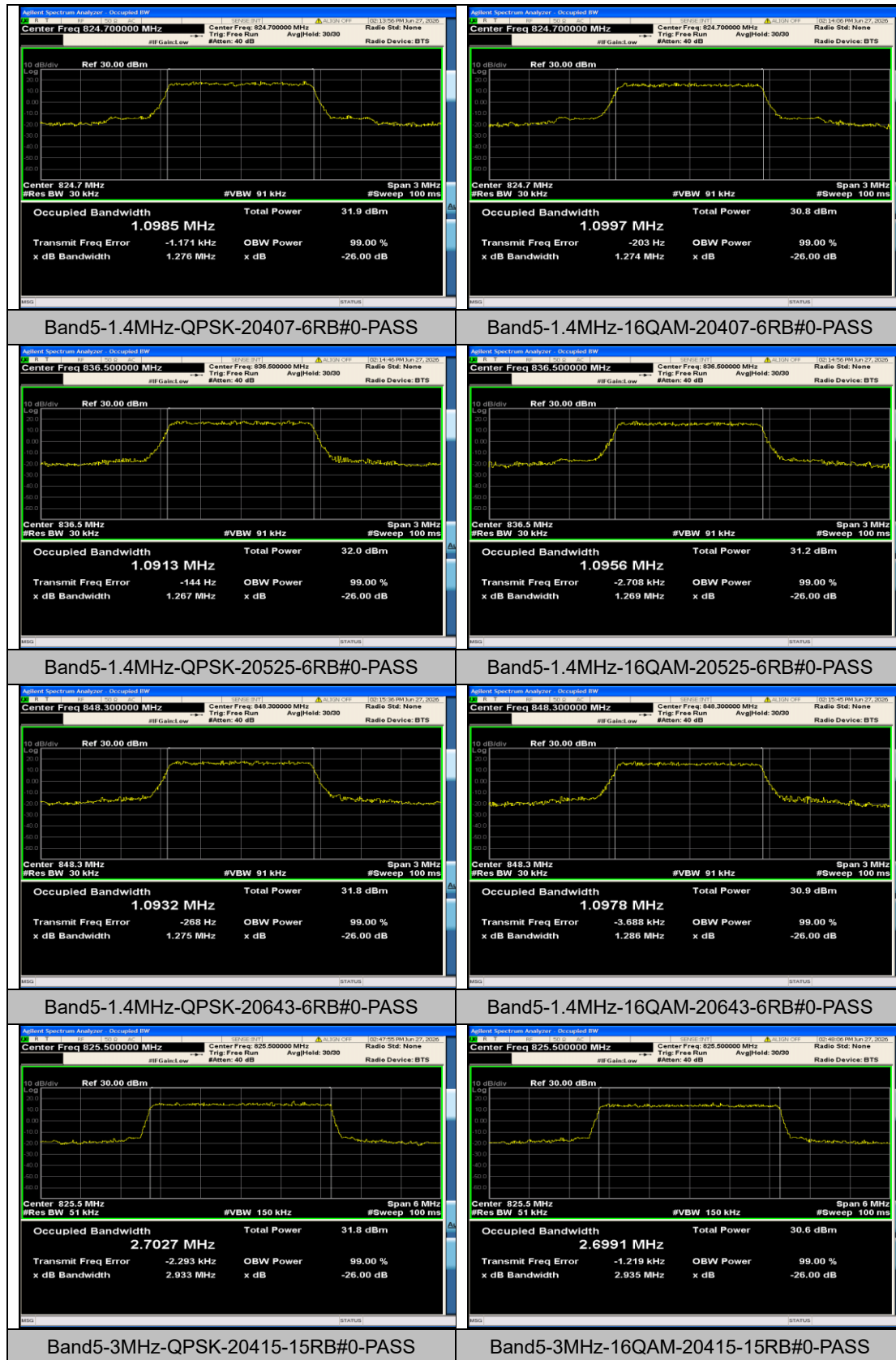


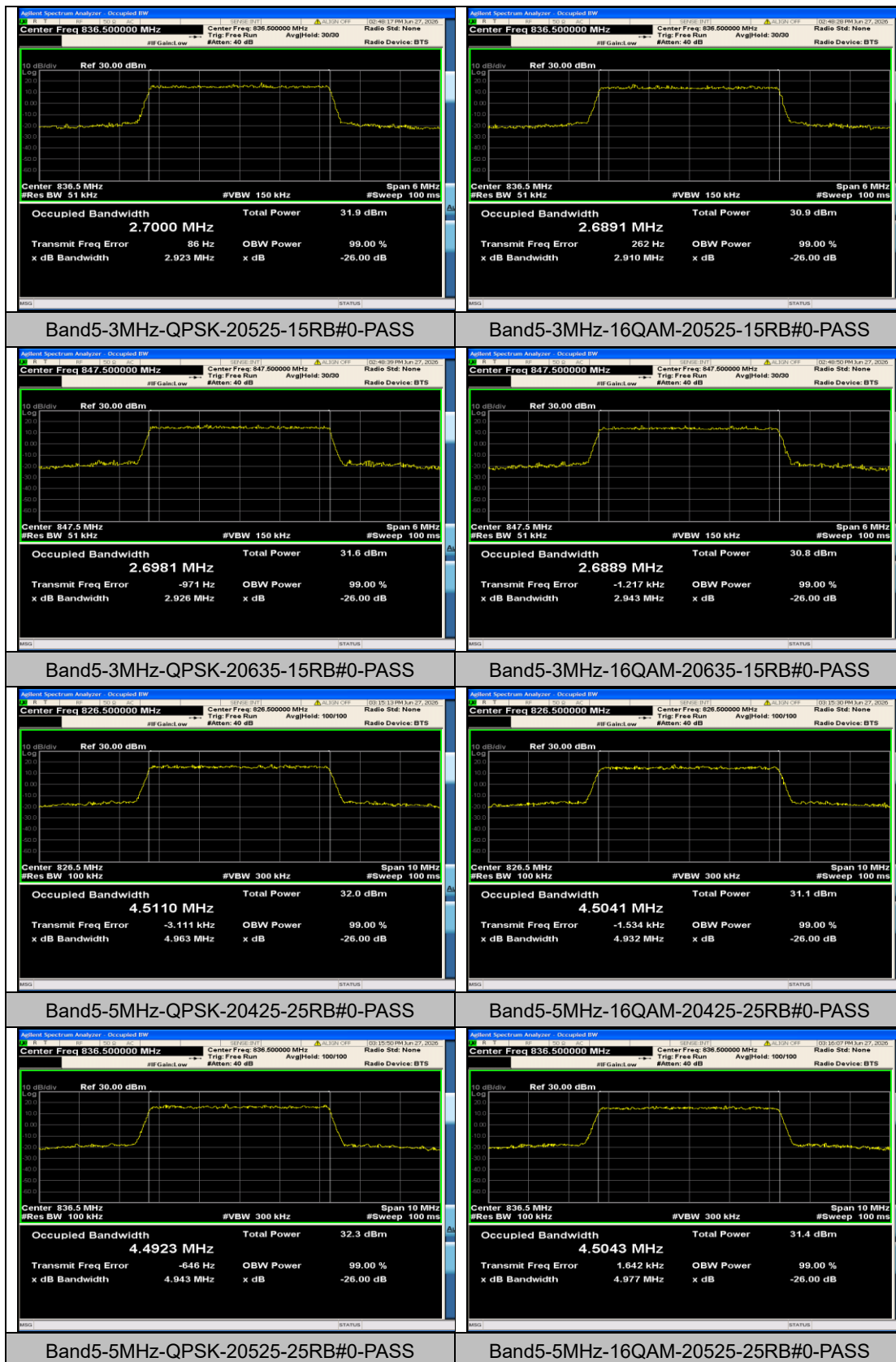
Appendix C: 26dB Bandwidth and Occupied Bandwidth

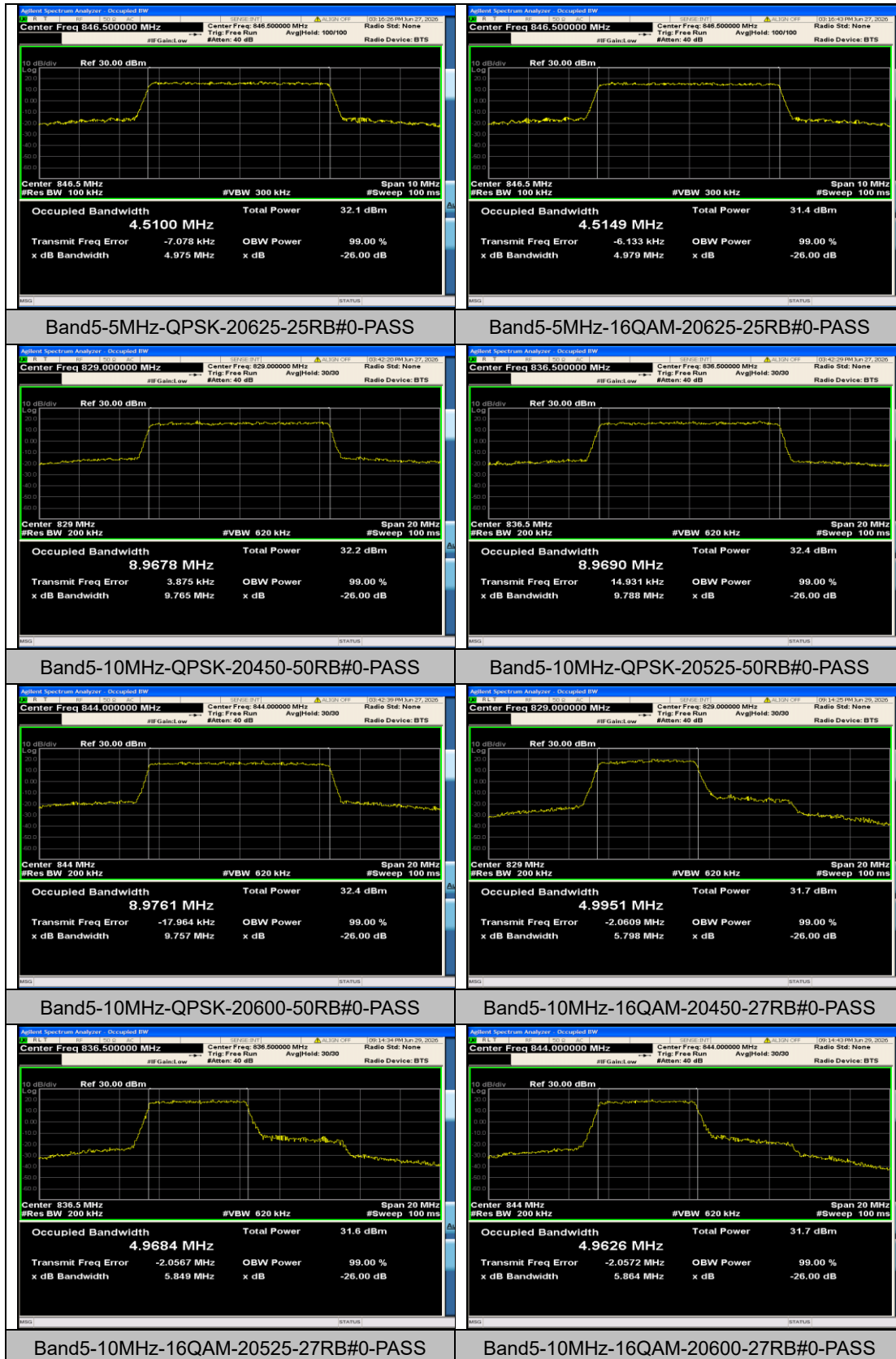
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0985	1.276	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0997	1.274	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0913	1.267	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0956	1.269	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0932	1.275	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0978	1.286	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.7027	2.933	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6991	2.935	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7000	2.923	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6891	2.910	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6981	2.926	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6889	2.943	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5110	4.963	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5041	4.932	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4923	4.943	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5043	4.977	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5100	4.975	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5149	4.979	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9678	9.765	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9690	9.788	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9761	9.757	PASS
Band5	10MHz	16QAM	20450	27RB#0	4.9951	5.798	PASS
Band5	10MHz	16QAM	20525	27RB#0	4.9684	5.849	PASS
Band5	10MHz	16QAM	20600	27RB#0	4.9626	5.864	PASS

Test Graphs







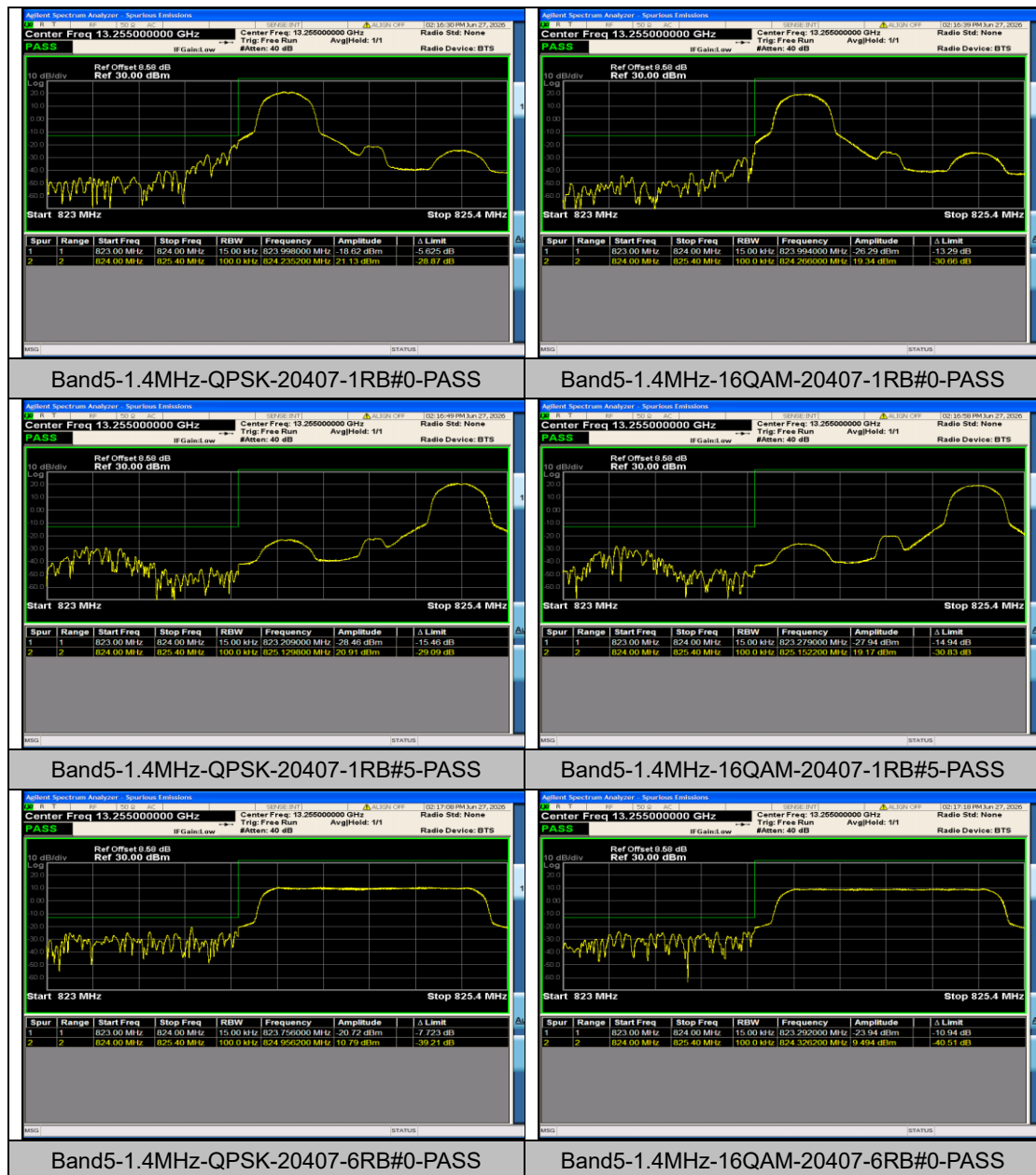
Appendix D: Band Edge

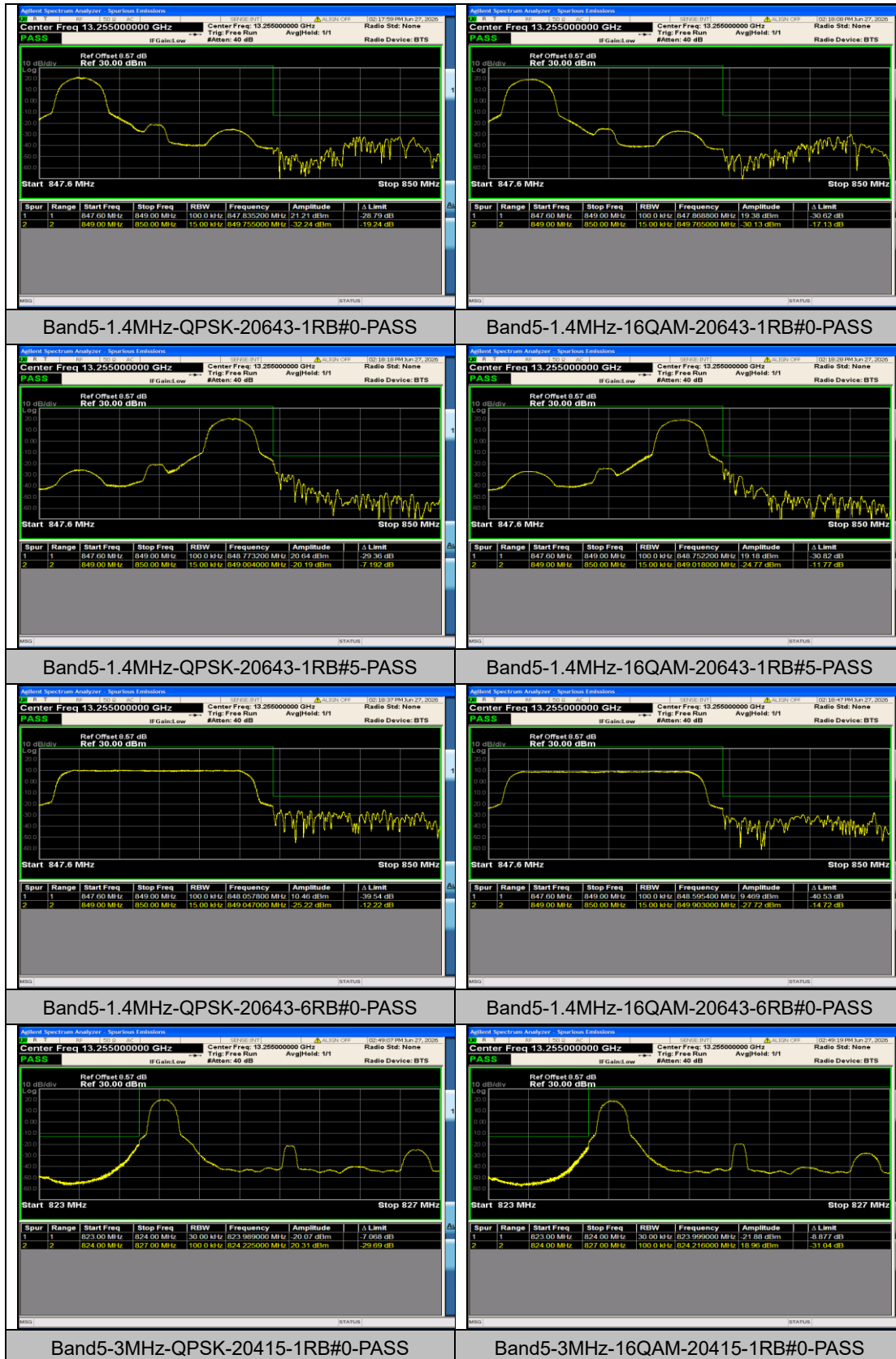
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-18.62	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-26.29	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	-28.46	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	-27.94	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-20.72	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-23.94	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	-32.24	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	-30.13	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-20.19	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-24.77	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-25.22	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-27.72	PASS
Band5	3MHz	QPSK	20415	1RB#0	-20.07	PASS
Band5	3MHz	16QAM	20415	1RB#0	-21.88	PASS
Band5	3MHz	QPSK	20415	1RB#14	-44.47	PASS
Band5	3MHz	16QAM	20415	1RB#14	-45.49	PASS
Band5	3MHz	QPSK	20415	15RB#0	-28.92	PASS
Band5	3MHz	16QAM	20415	15RB#0	-28.75	PASS
Band5	3MHz	QPSK	20635	1RB#0	-44.44	PASS
Band5	3MHz	16QAM	20635	1RB#0	-45.39	PASS
Band5	3MHz	QPSK	20635	1RB#14	-20.29	PASS
Band5	3MHz	16QAM	20635	1RB#14	-22.43	PASS
Band5	3MHz	QPSK	20635	15RB#0	-31.81	PASS
Band5	3MHz	16QAM	20635	15RB#0	-31.99	PASS
Band5	5MHz	QPSK	20425	1RB#0	-24.31	PASS
Band5	5MHz	16QAM	20425	1RB#0	-25.78	PASS
Band5	5MHz	QPSK	20425	1RB#24	-49.07	PASS
Band5	5MHz	16QAM	20425	1RB#24	-49.57	PASS
Band5	5MHz	QPSK	20425	25RB#0	-29.04	PASS
Band5	5MHz	16QAM	20425	25RB#0	-29.65	PASS
Band5	5MHz	QPSK	20625	1RB#0	-48.73	PASS
Band5	5MHz	16QAM	20625	1RB#0	-49.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	-23.79	PASS
Band5	5MHz	16QAM	20625	1RB#24	-25.21	PASS
Band5	5MHz	QPSK	20625	25RB#0	-32.25	PASS
Band5	5MHz	16QAM	20625	25RB#0	-32.24	PASS
Band5	10MHz	QPSK	20450	1RB#0	-36.79	PASS

Band5	10MHz	16QAM	20450	1RB#0	-37.78	PASS
Band5	10MHz	QPSK	20450	1RB#49	-45.70	PASS
Band5	10MHz	16QAM	20450	1RB#49	-45.82	PASS
Band5	10MHz	QPSK	20600	1RB#0	-46.67	PASS
Band5	10MHz	16QAM	20600	1RB#0	-46.11	PASS
Band5	10MHz	QPSK	20600	1RB#49	-36.10	PASS
Band5	10MHz	16QAM	20600	1RB#49	-37.93	PASS
Band5	10MHz	QPSK	20450	50RB#0	-29.59	PASS
Band5	10MHz	QPSK	20600	50RB#0	-33.27	PASS

Test Graphs





Band5-1.4MHz-QPSK-20643-1RB#0-PASS

Band5-1.4MHz-16QAM-20643-1RB#0-PASS

Band5-1.4MHz-QPSK-20643-1RB#5-PASS

Band5-1.4MHz-16QAM-20643-1RB#5-PASS

Band5-1.4MHz-QPSK-20643-6RB#0-PASS

Band5-1.4MHz-16QAM-20643-6RB#0-PASS

Band5-3MHz-QPSK-20415-1RB#0-PASS

Band5-3MHz-16QAM-20415-1RB#0-PASS

