

FCC Appendix RF Test Data for LTE Band 12

Company: : **BEIJING MERA TECHNOLOGY Co., Ltd**

EUT : **OxiLeash Pet GPS Tracker**

Model Number : **MP02**

FCC ID : **2BVG4-MP02**

Report No. : **CTA26020500704**

Reviewed By : **Eric Wang**

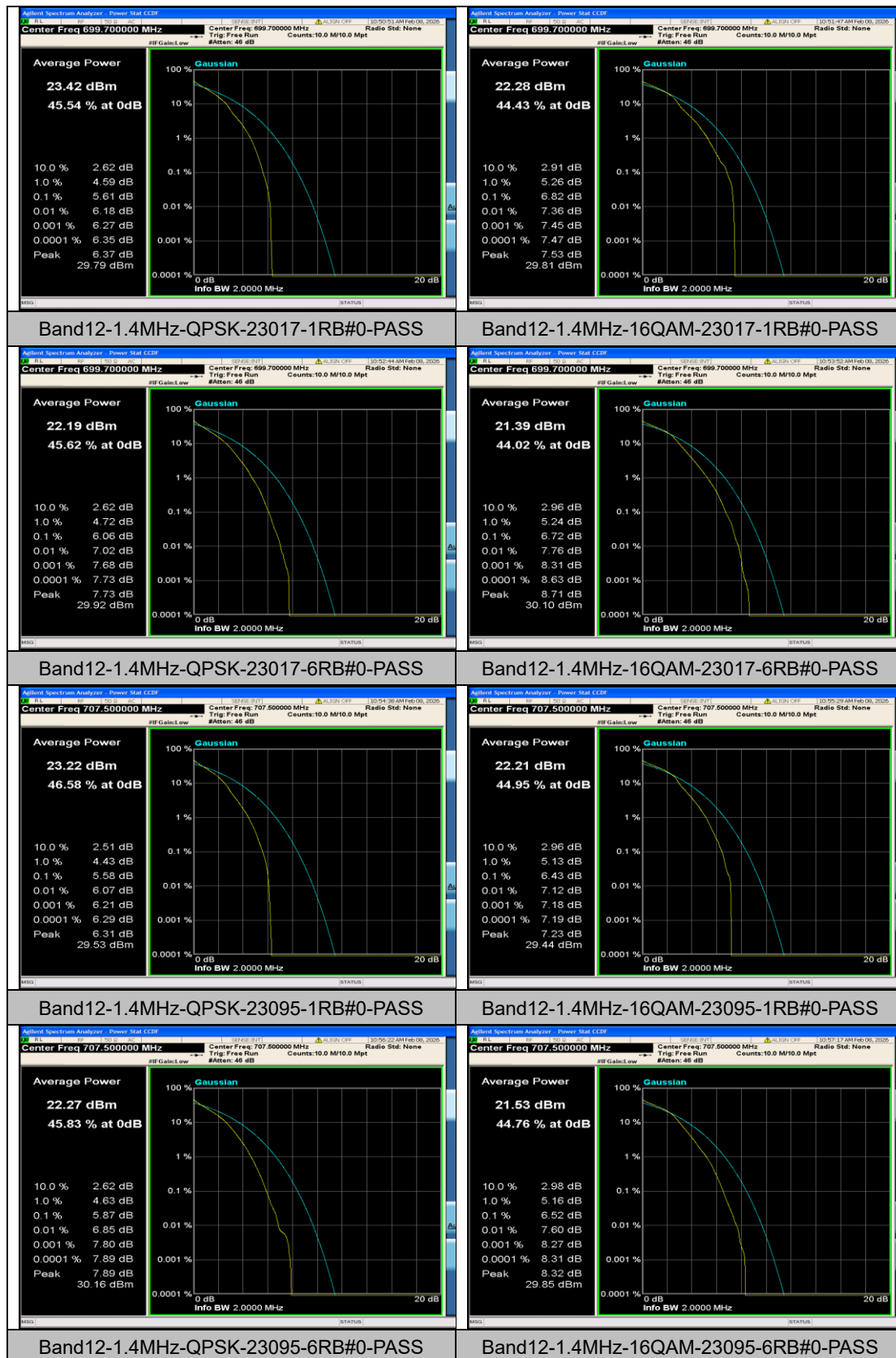
Appendix A: Peak-to-Average Ratio(CCDF)

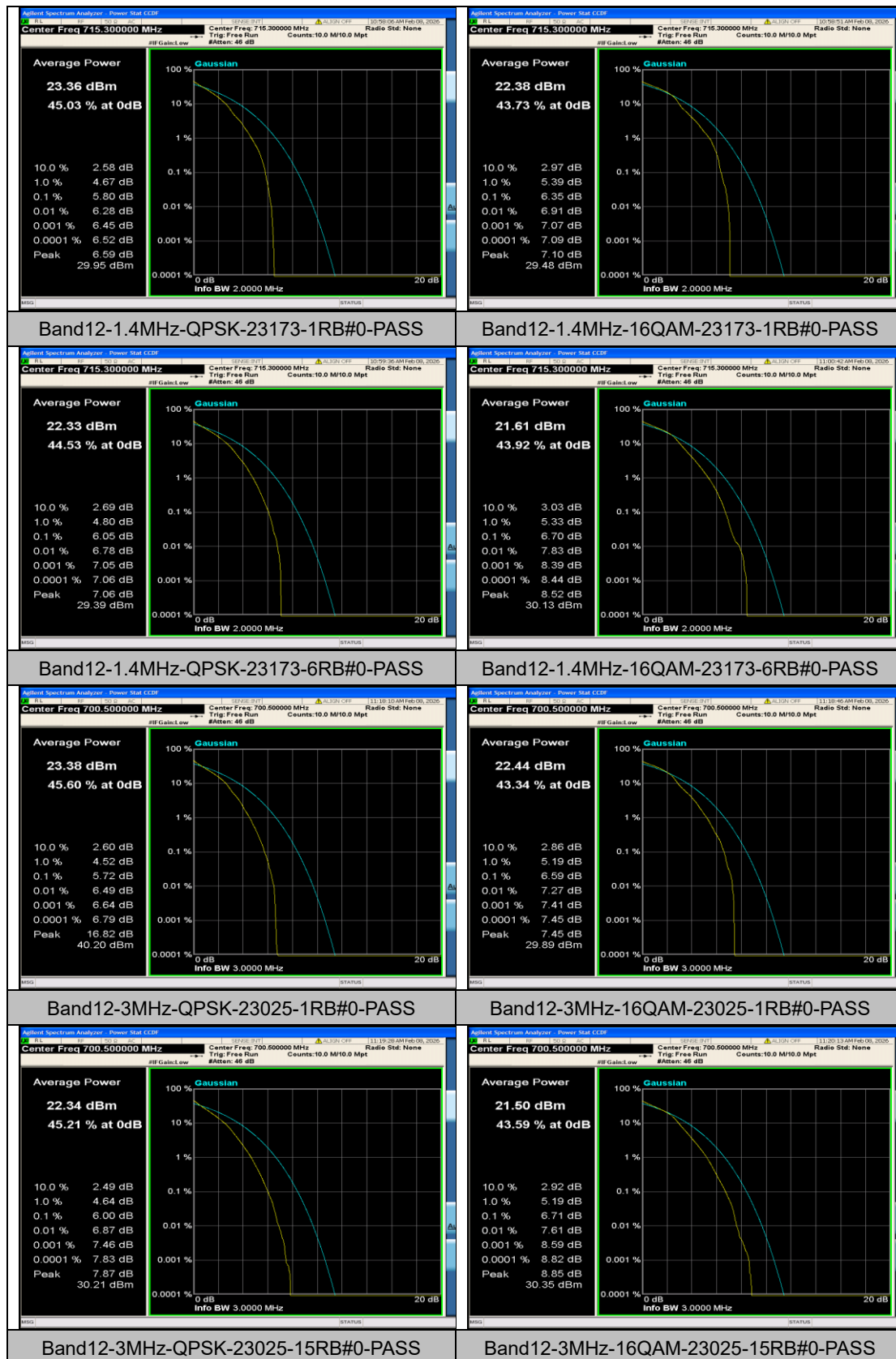
Test Result

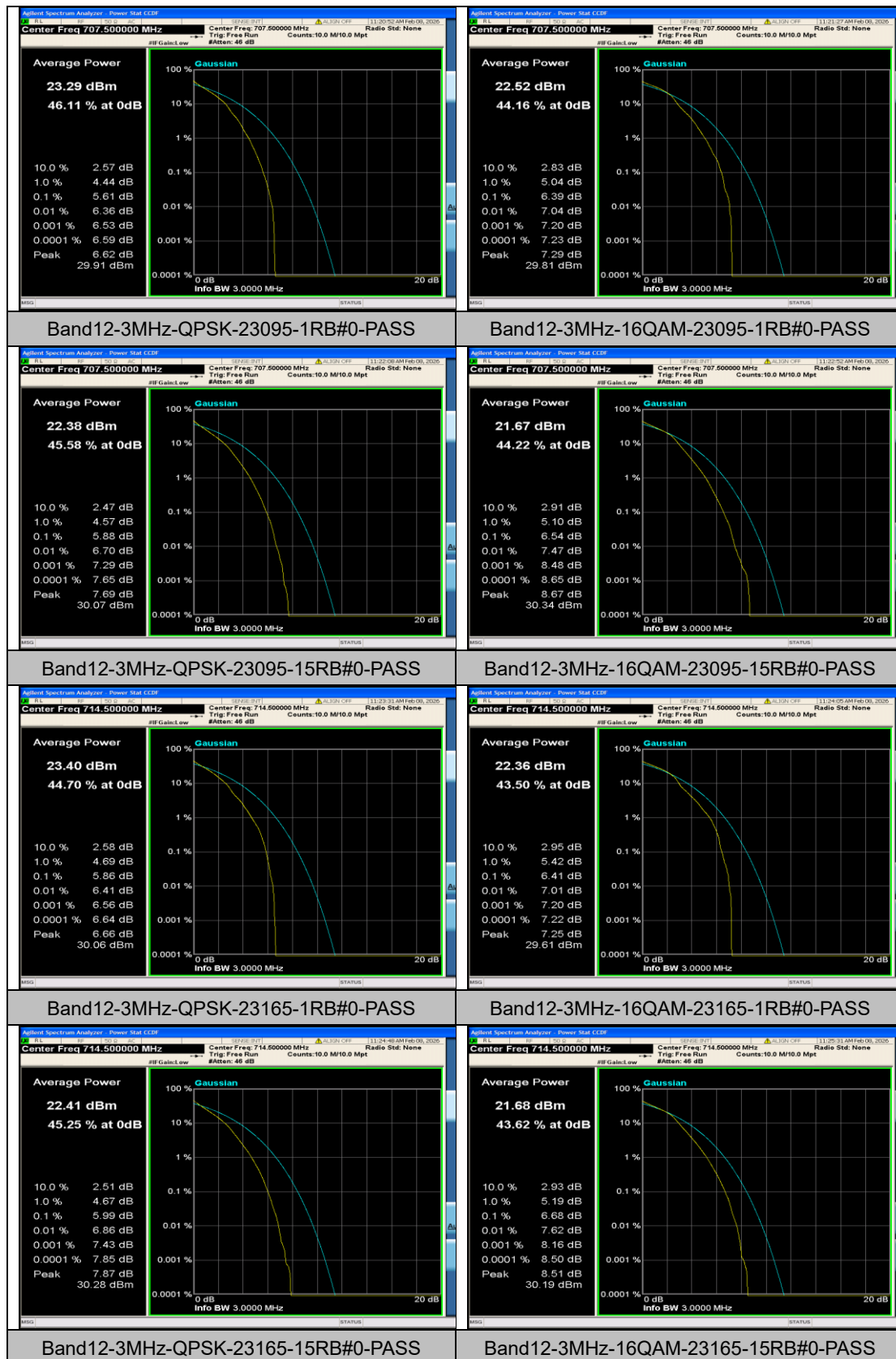
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	5.61	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	6.82	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	6.06	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.72	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.58	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.43	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.87	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.52	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	5.80	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	6.35	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	6.05	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.70	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.72	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	6.59	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	6.00	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.71	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.61	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.39	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.88	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.54	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	5.86	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	6.41	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.99	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.68	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.76	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	6.15	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.91	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.52	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.51	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.89	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.86	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.43	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.95	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	6.51	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.94	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.57	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.46	13	PASS

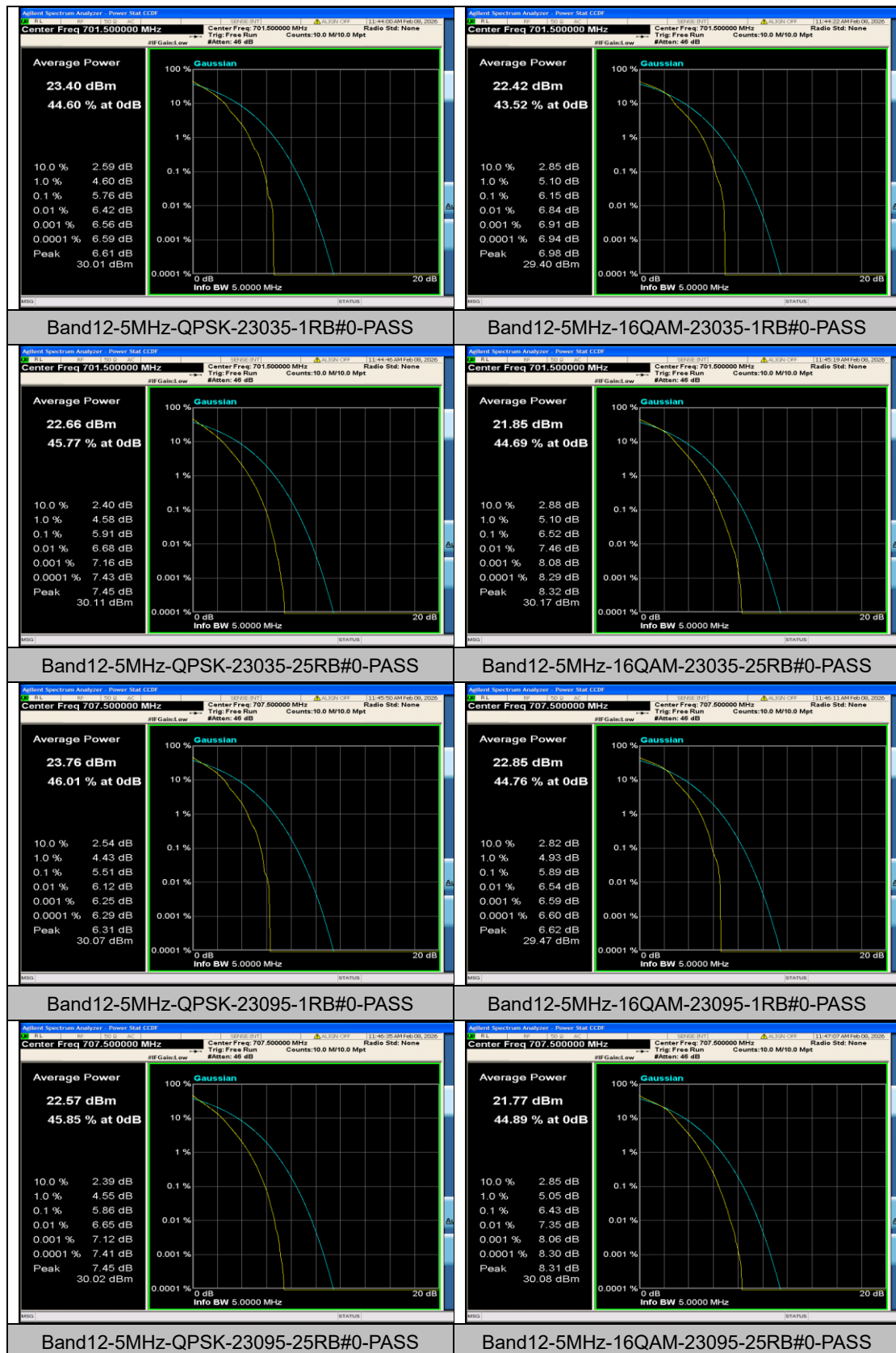
Band12	10MHz	16QAM	23060	1RB#0	6.18	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.50	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	6.12	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.26	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.43	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.47	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.42	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.69	13	PASS

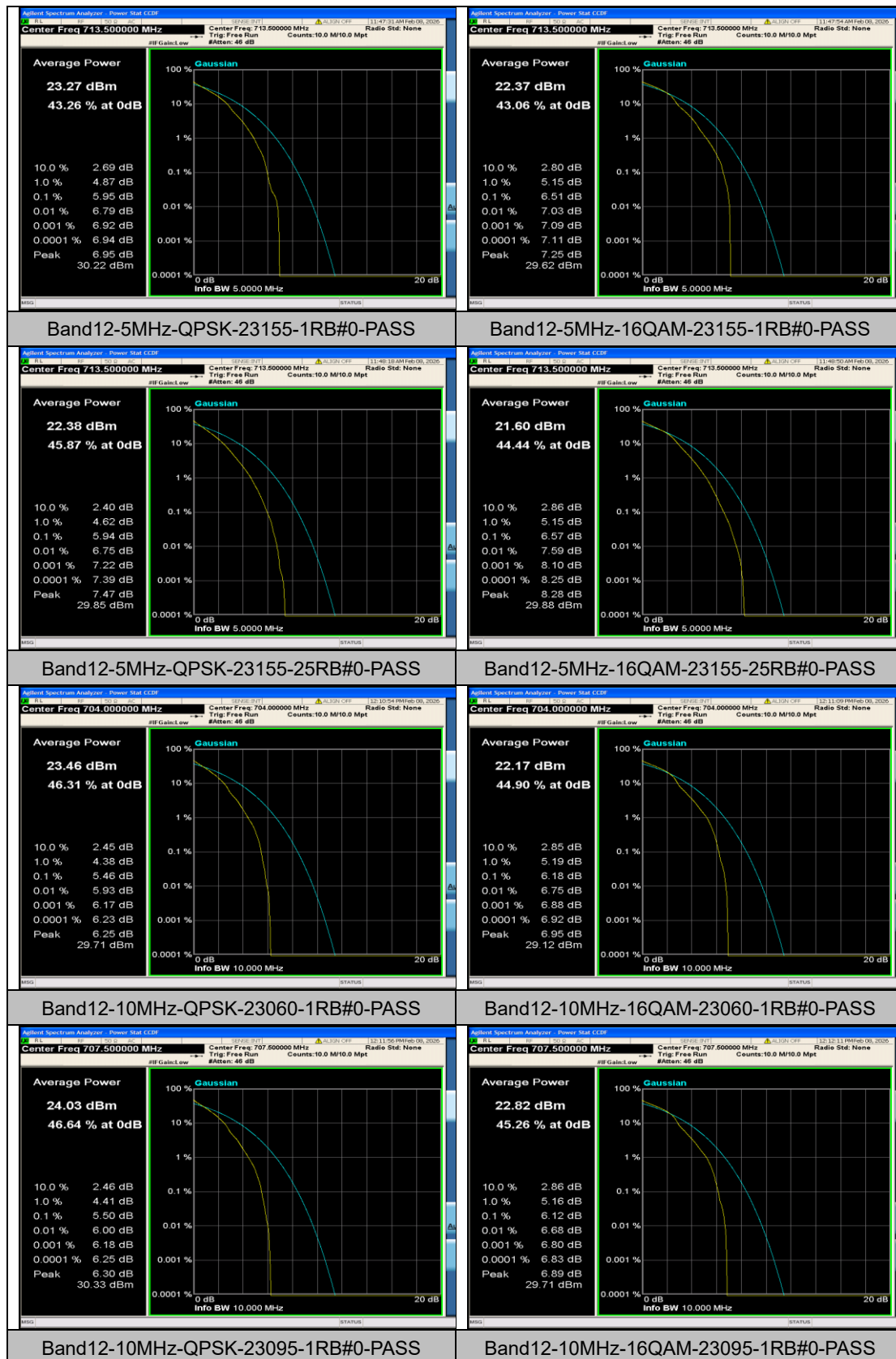
Test Graphs

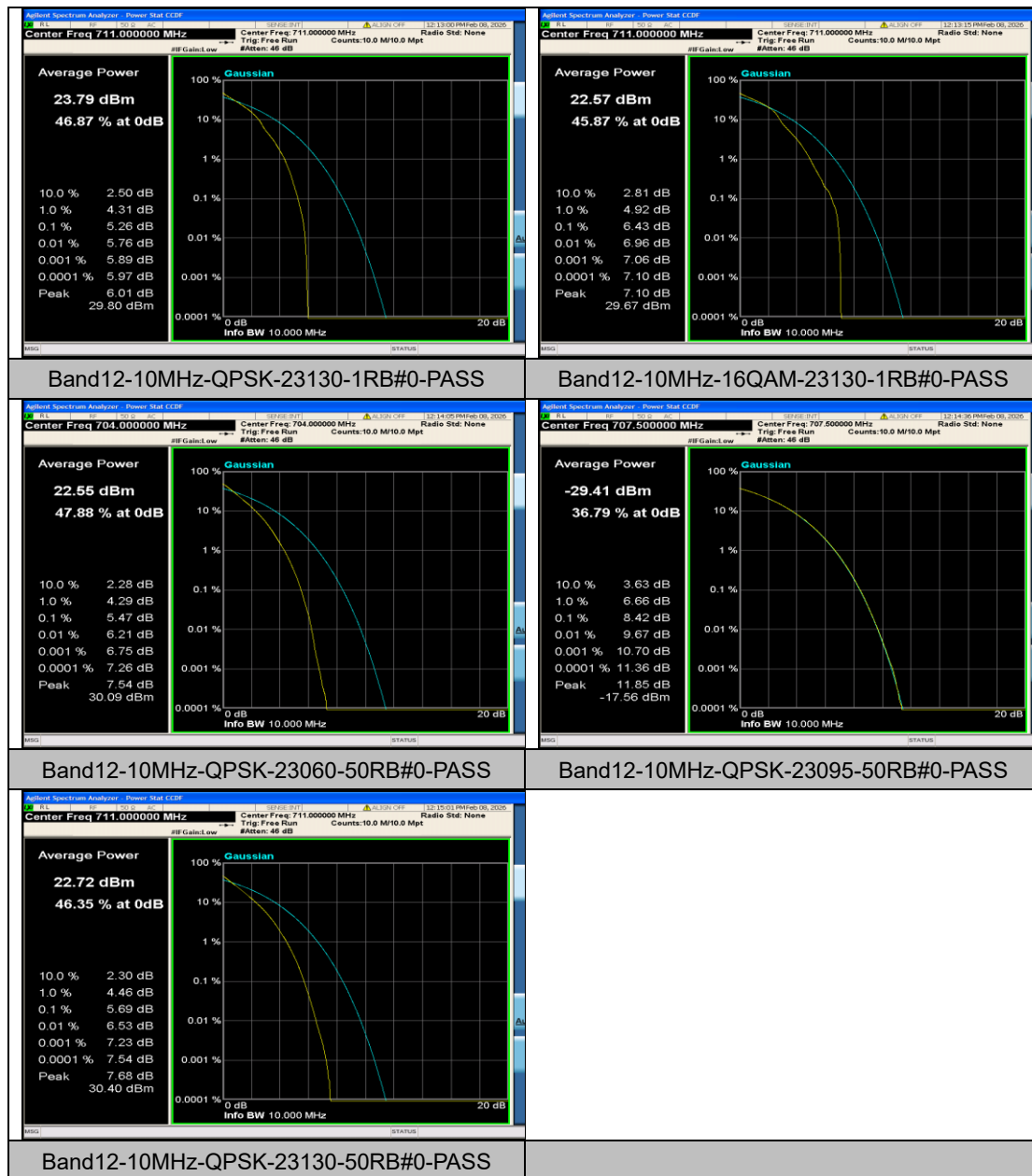












Appendix B: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0923	1.272	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0922	1.267	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0935	1.271	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0959	1.292	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0959	1.275	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0920	1.277	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7024	2.928	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6925	2.923	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6914	2.930	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6955	2.922	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6853	2.907	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6896	2.940	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5069	4.989	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5056	4.979	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4892	4.939	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5143	4.967	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.4977	4.939	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4950	4.967	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.8884	9.750	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9662	9.917	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9790	9.881	PASS
Band12	10MHz	16QAM	23060	27RB#0	5.0121	5.843	PASS
Band12	10MHz	16QAM	23095	27RB#0	4.9885	5.888	PASS
Band12	10MHz	16QAM	23130	27RB#0	5.0163	5.927	PASS

Test Graphs





Band12-3MHz-QPSK-23025-15RB#0-PASS

Band12-3MHz-16QAM-23025-15RB#0-PASS



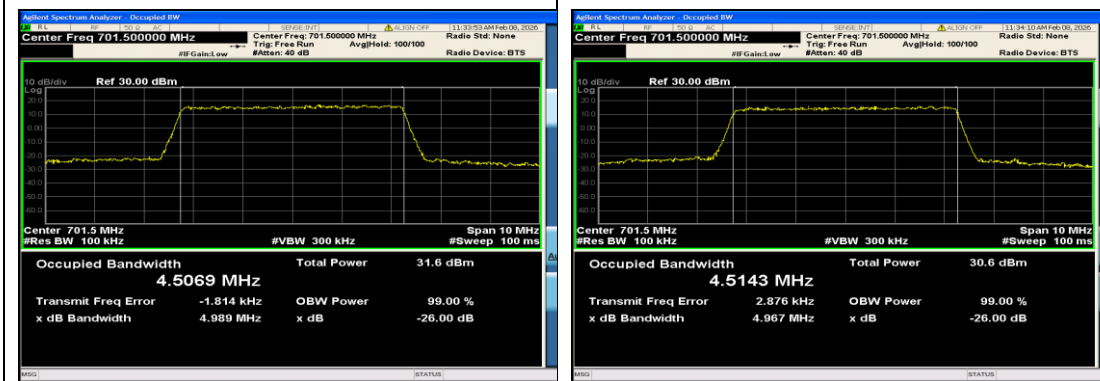
Band12-3MHz-QPSK-23095-15RB#0-PASS

Band12-3MHz-16QAM-23095-15RB#0-PASS



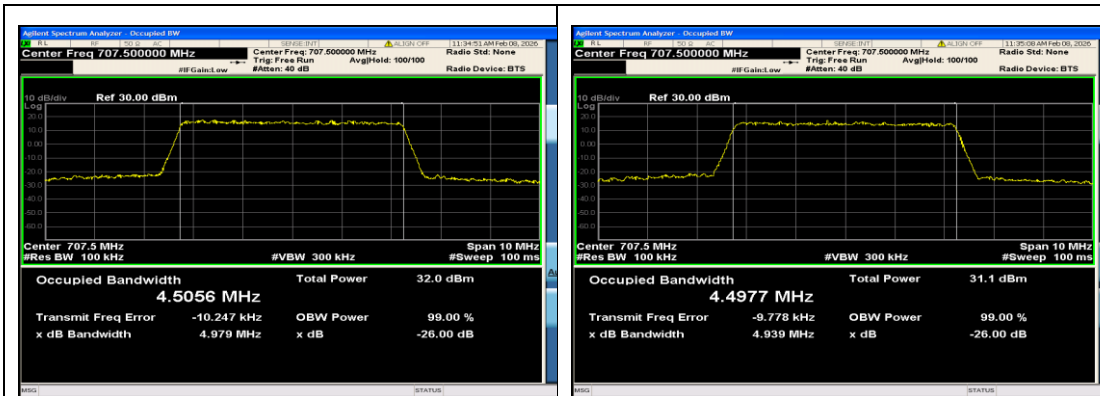
Band12-3MHz-QPSK-23165-15RB#0-PASS

Band12-3MHz-16QAM-23165-15RB#0-PASS



Band12-5MHz-QPSK-23035-25RB#0-PASS

Band12-5MHz-16QAM-23035-25RB#0-PASS



Band12-5MHz-QPSK-23095-25RB#0-PASS

Band12-5MHz-16QAM-23095-25RB#0-PASS



Band12-5MHz-QPSK-23155-25RB#0-PASS

Band12-5MHz-16QAM-23155-25RB#0-PASS



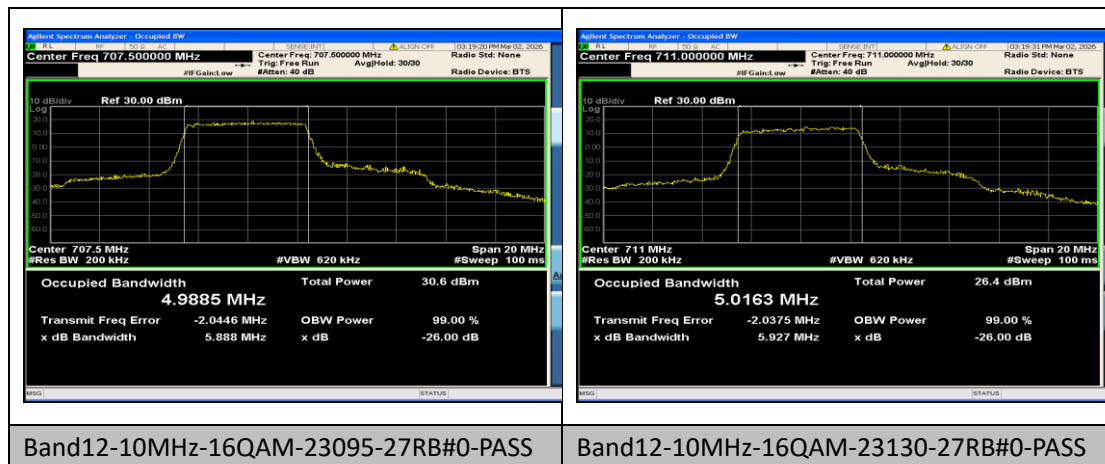
Band12-10MHz-QPSK-23060-50RB#0-PASS

Band12-10MHz-QPSK-23095-50RB#0-PASS



Band12-10MHz-QPSK-23130-50RB#0-PASS

Band12-10MHz-16QAM-23060-27RB#0-PASS



Appendix C: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-26.19	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-27.36	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-22.94	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-24.14	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-29.61	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-29.72	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-24.48	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-26.22	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-27.44	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-27.64	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-28.78	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-29.62	PASS
Band12	3MHz	QPSK	23025	1RB#0	-24.43	PASS
Band12	3MHz	16QAM	23025	1RB#0	-26.03	PASS
Band12	3MHz	QPSK	23025	1RB#14	-37.04	PASS
Band12	3MHz	16QAM	23025	1RB#14	-38.21	PASS
Band12	3MHz	QPSK	23025	15RB#0	-31.14	PASS
Band12	3MHz	16QAM	23025	15RB#0	-31.92	PASS
Band12	3MHz	QPSK	23165	1RB#0	-37.80	PASS
Band12	3MHz	16QAM	23165	1RB#0	-38.59	PASS
Band12	3MHz	QPSK	23165	1RB#14	-23.92	PASS
Band12	3MHz	16QAM	23165	1RB#14	-25.77	PASS
Band12	3MHz	QPSK	23165	15RB#0	-31.16	PASS
Band12	3MHz	16QAM	23165	15RB#0	-33.30	PASS
Band12	5MHz	QPSK	23035	1RB#0	-25.14	PASS
Band12	5MHz	16QAM	23035	1RB#0	-25.85	PASS
Band12	5MHz	QPSK	23035	1RB#24	-48.16	PASS
Band12	5MHz	16QAM	23035	1RB#24	-48.49	PASS
Band12	5MHz	QPSK	23035	25RB#0	-33.03	PASS
Band12	5MHz	16QAM	23035	25RB#0	-33.38	PASS
Band12	5MHz	QPSK	23155	1RB#0	-47.21	PASS
Band12	5MHz	16QAM	23155	1RB#0	-47.51	PASS
Band12	5MHz	QPSK	23155	1RB#24	-25.30	PASS
Band12	5MHz	16QAM	23155	1RB#24	-26.82	PASS
Band12	5MHz	QPSK	23155	25RB#0	-33.69	PASS
Band12	5MHz	16QAM	23155	25RB#0	-35.56	PASS

Band12	10MHz	QPSK	23060	1RB#0	-32.95	PASS
Band12	10MHz	16QAM	23060	1RB#0	-34.80	PASS
Band12	10MHz	QPSK	23060	1RB#49	-46.05	PASS
Band12	10MHz	16QAM	23060	1RB#49	-46.24	PASS
Band12	10MHz	QPSK	23130	1RB#0	-46.73	PASS
Band12	10MHz	16QAM	23130	1RB#0	-47.21	PASS
Band12	10MHz	QPSK	23130	1RB#49	-33.42	PASS
Band12	10MHz	16QAM	23130	1RB#49	-34.23	PASS
Band12	10MHz	QPSK	23060	50RB#0	-36.59	PASS
Band12	10MHz	QPSK	23130	50RB#0	-39.48	PASS

Test Graphs

