

FCC Appendix RF Test Data for LTE Band 12

FCC ID : 2BVMZ-Q153

Company : Shenzhen Yingtuo Intelligent Technology Co., Ltd

EUT : 4G kids smart watch

Model Number : Q153

Report No. : CTA26040900607

Reviewed By : Eric Wang

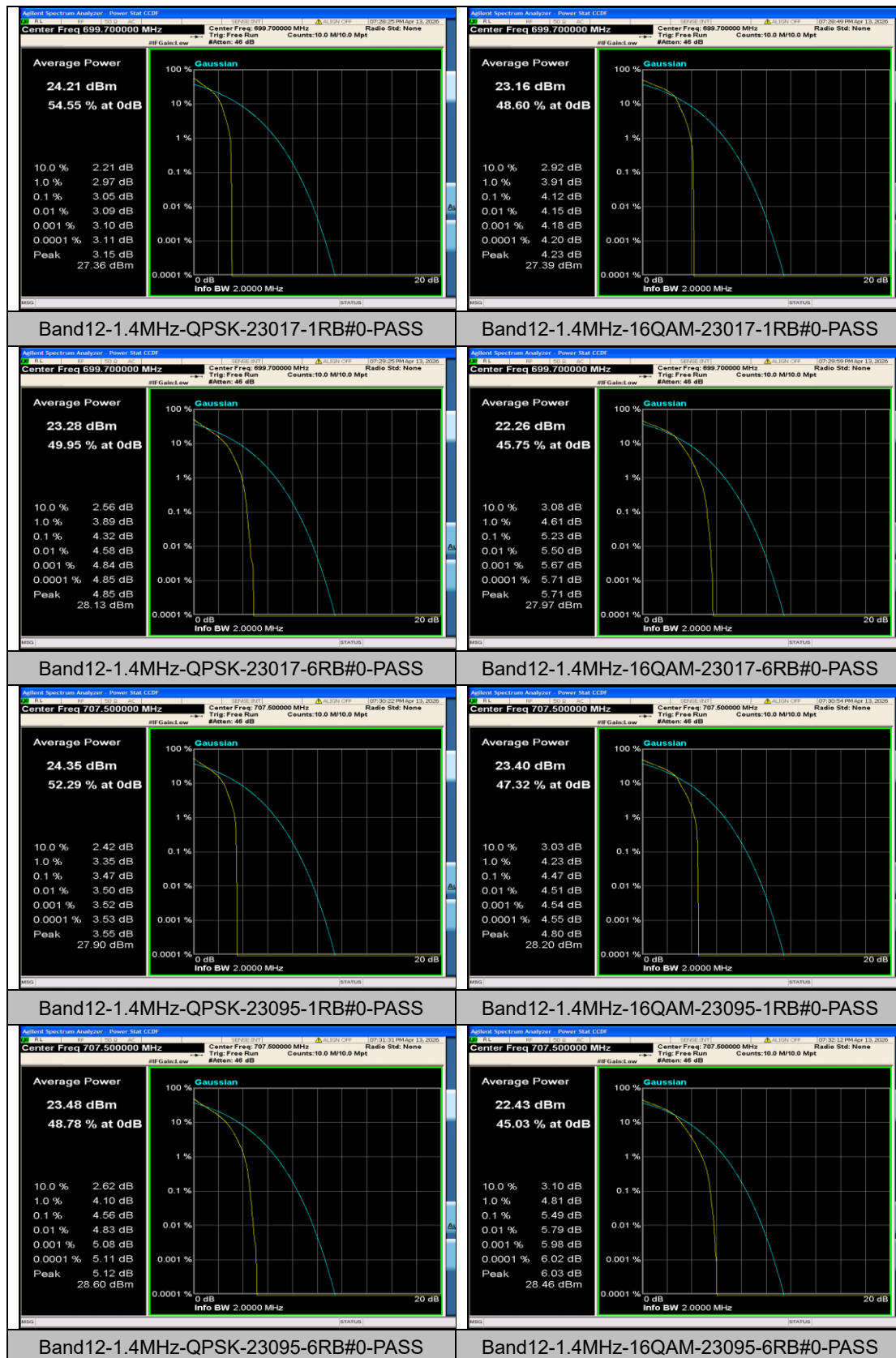
Appendix A: Peak-to-Average Ratio(CCDF)

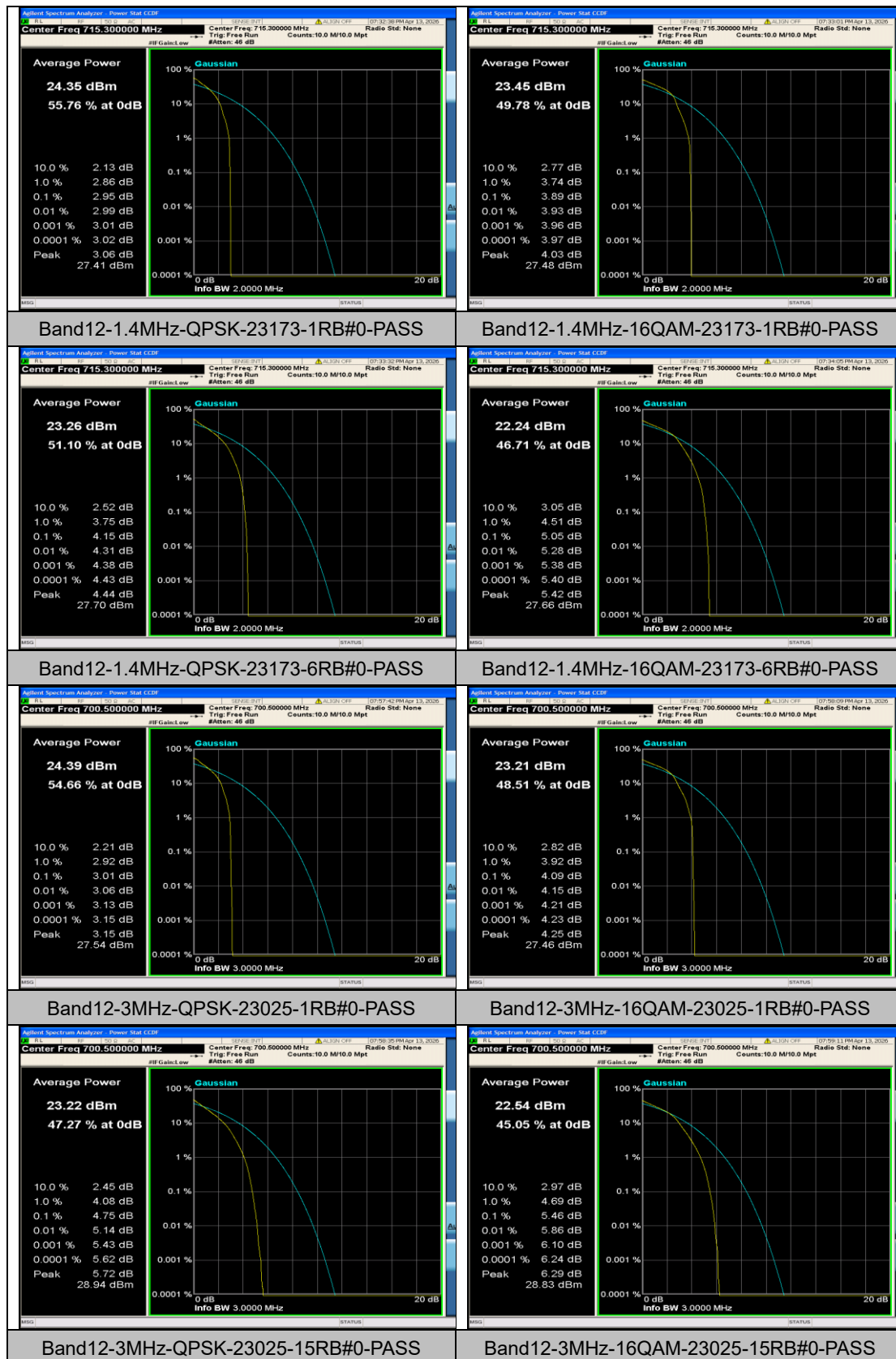
Test Result

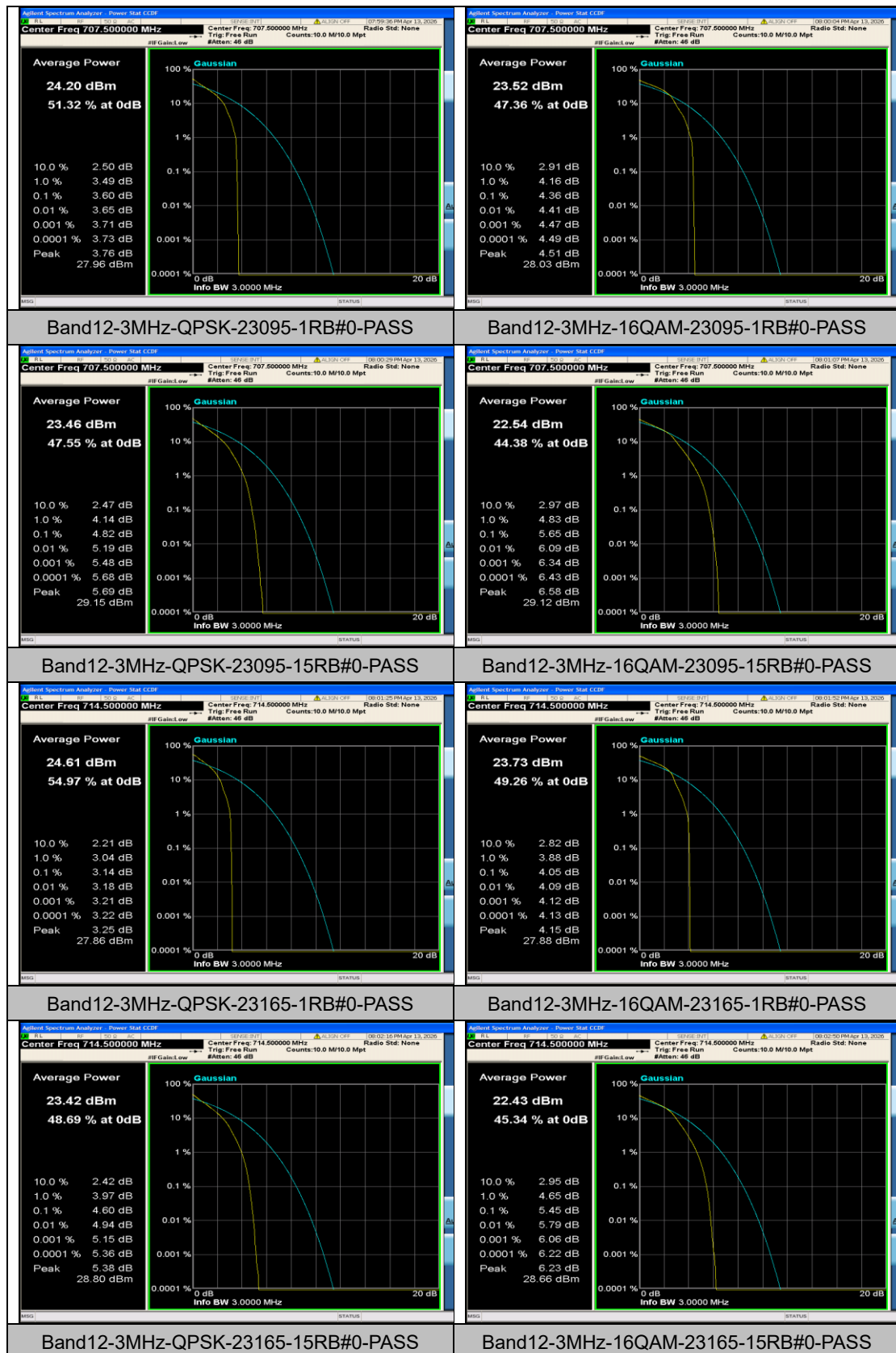
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	3.05	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	4.12	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	4.32	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.23	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	3.47	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	4.47	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	4.56	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.49	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	2.95	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	3.89	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.15	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.05	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	3.01	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	4.09	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.75	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.46	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	3.60	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	4.36	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	4.82	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.65	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	3.14	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	4.05	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.60	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.45	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	3.30	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	4.02	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.72	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.56	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	3.51	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	4.28	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.79	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.67	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	3.37	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	4.31	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.62	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.40	13	PASS

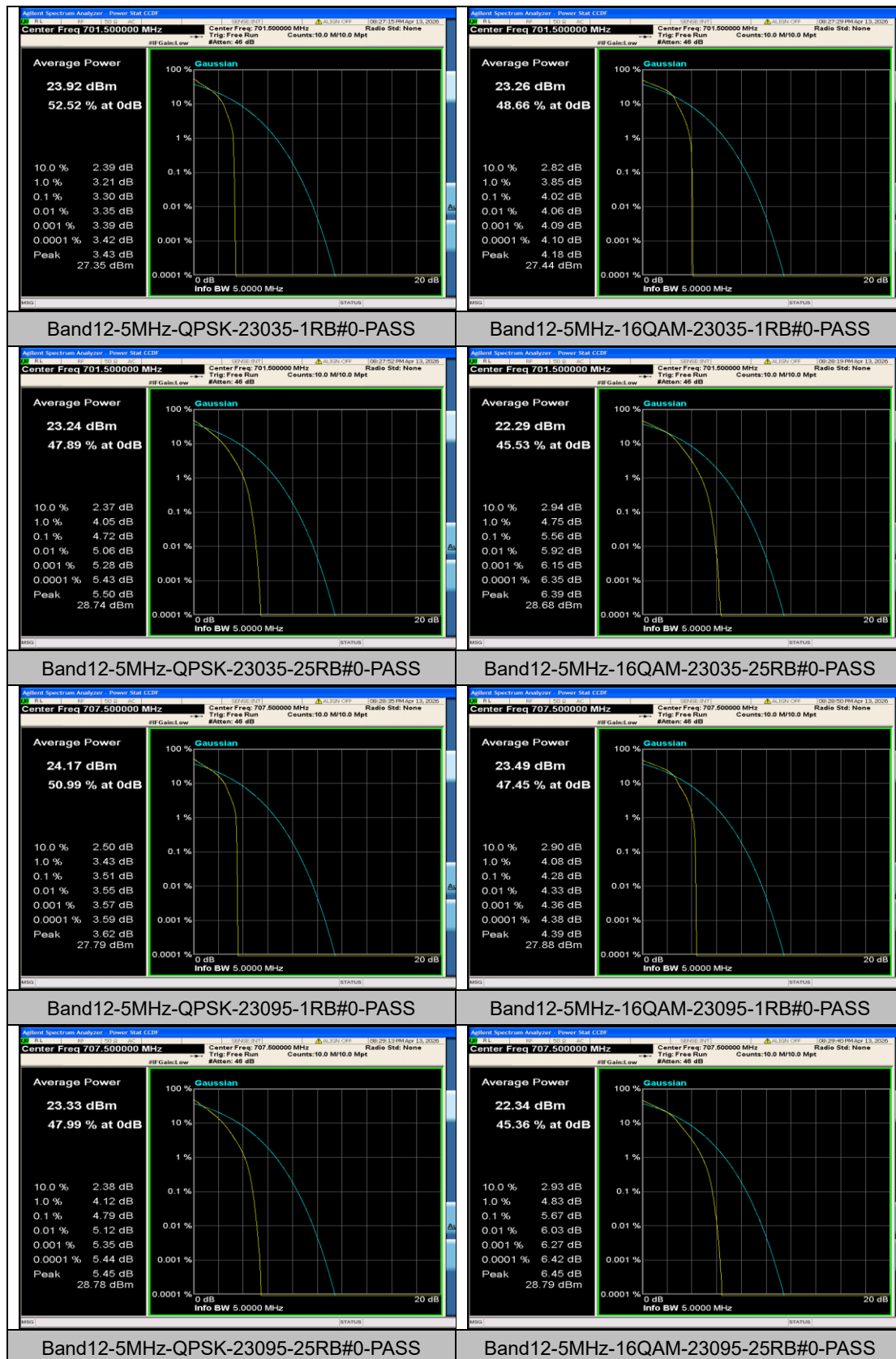
Band12	10MHz	QPSK	23060	1RB#0	3.19	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	4.09	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	3.41	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	4.28	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	3.45	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	4.58	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	4.71	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.97	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.93	13	PASS

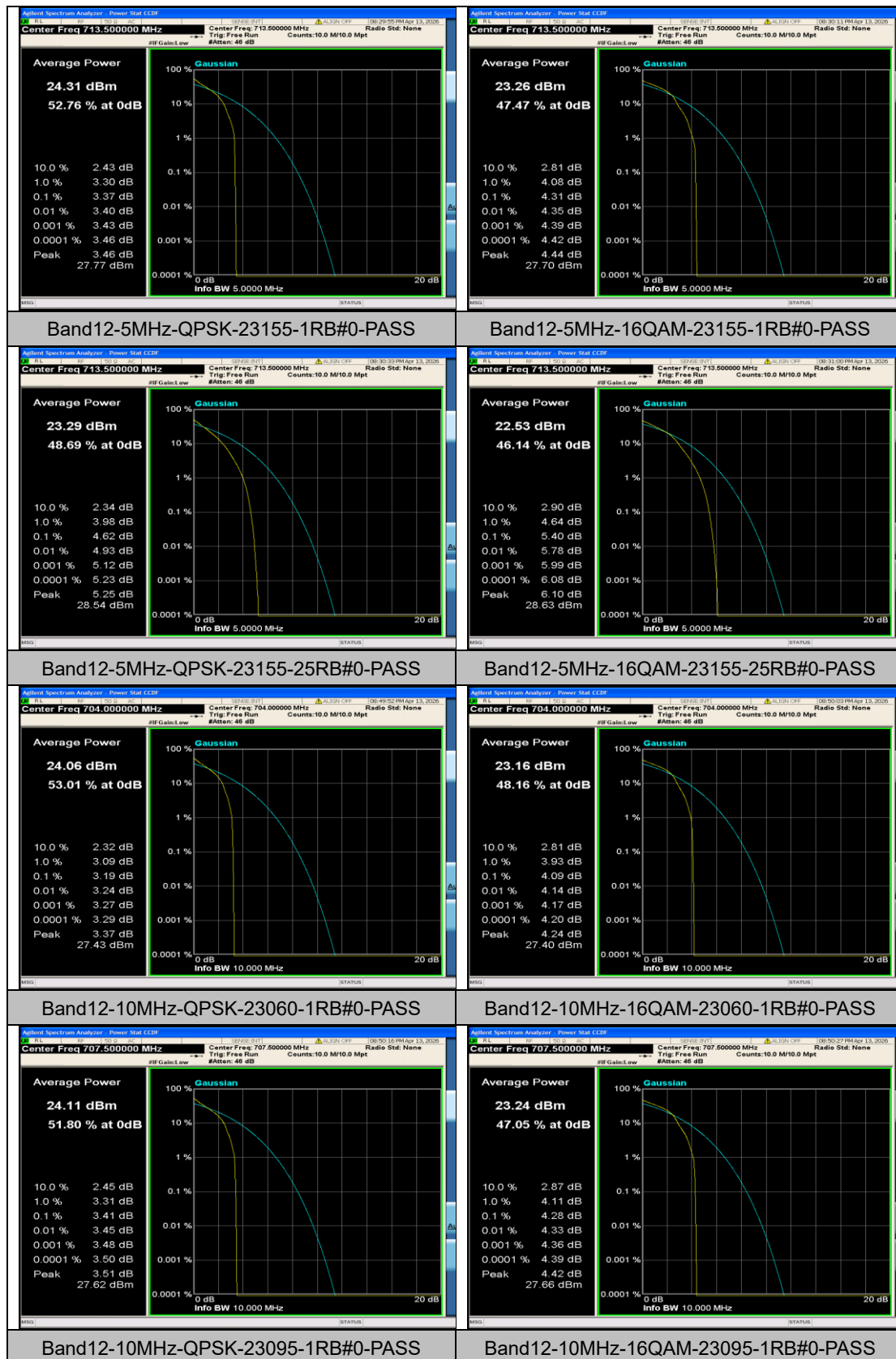
Test Graphs

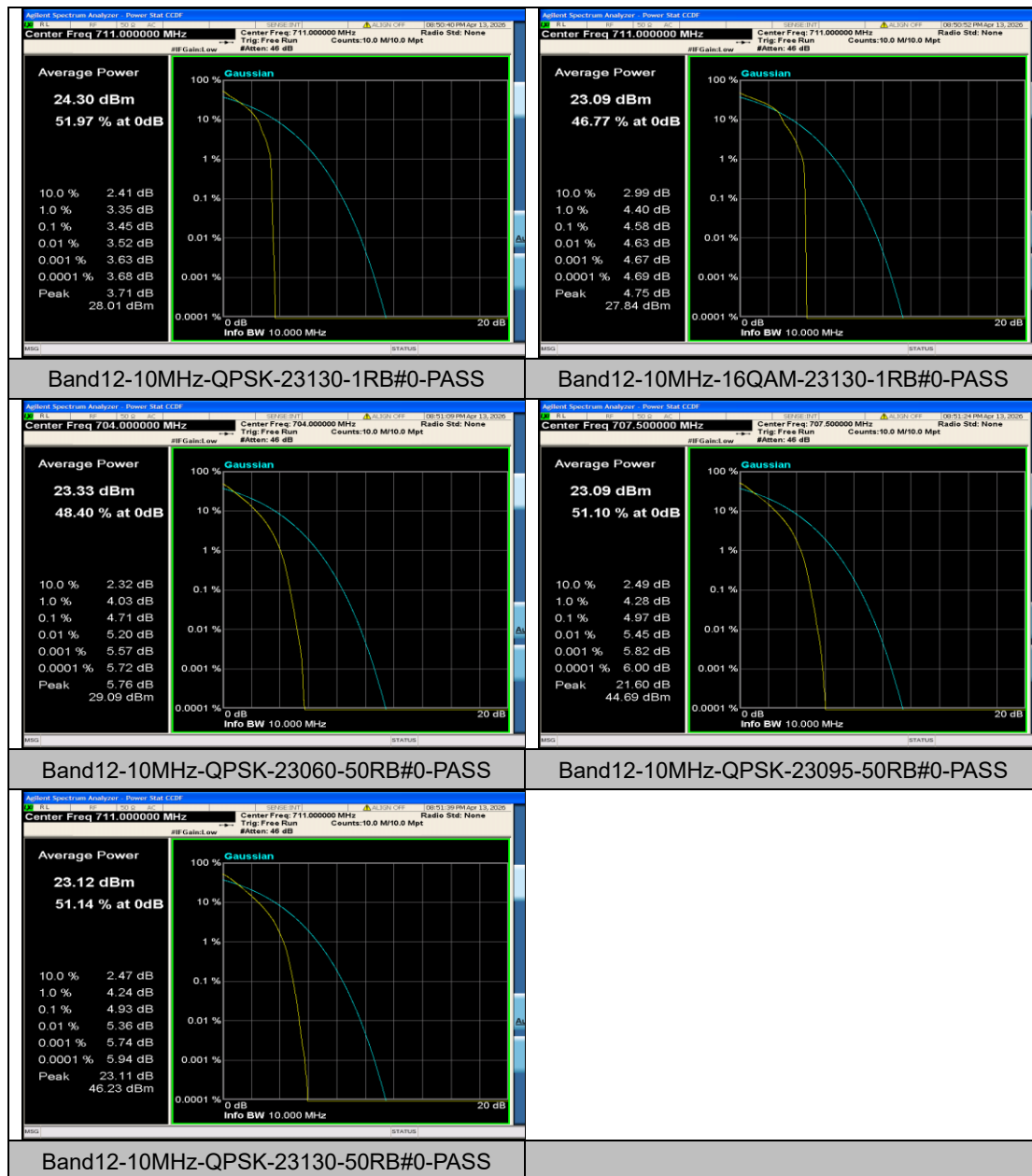










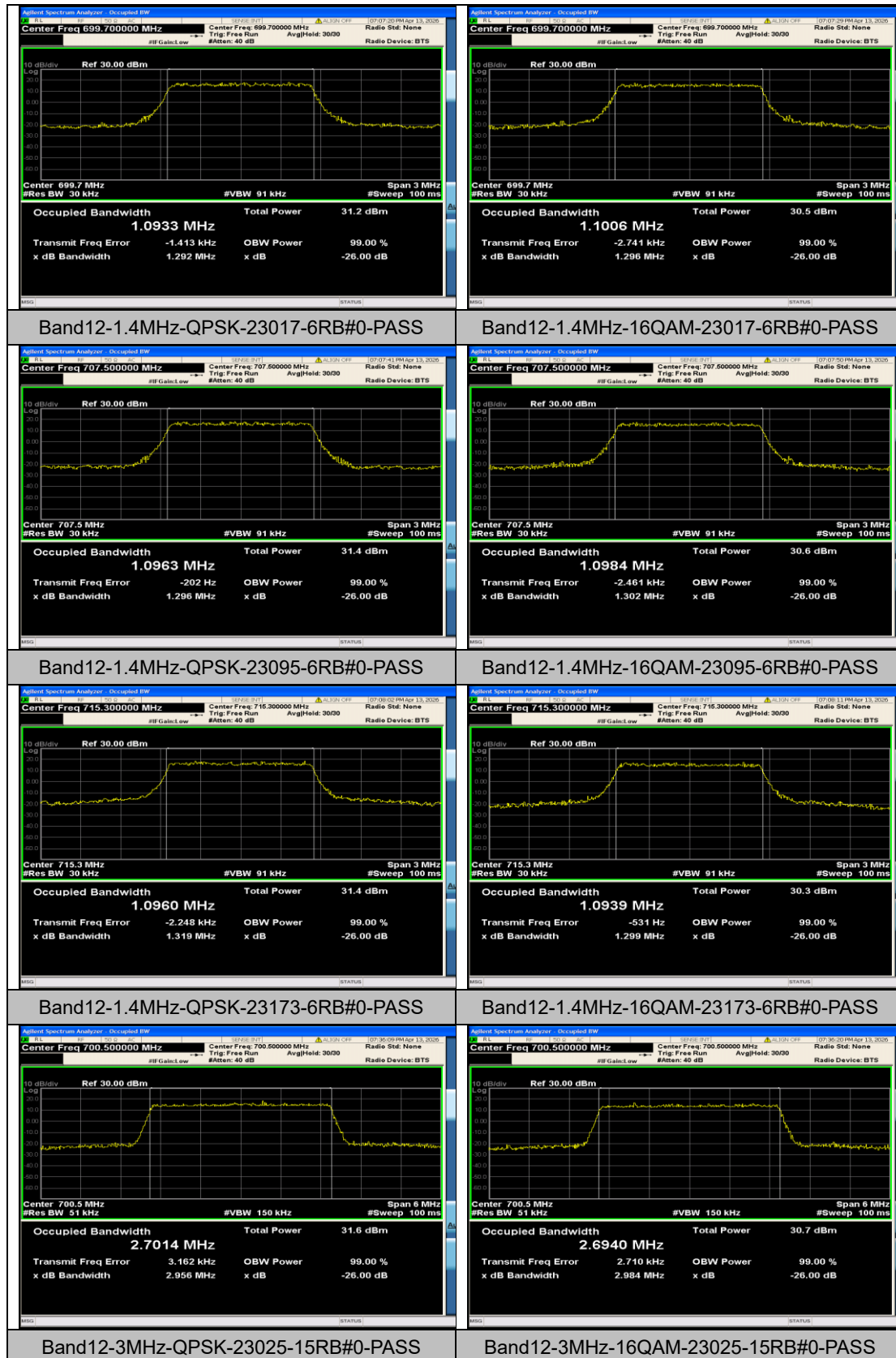


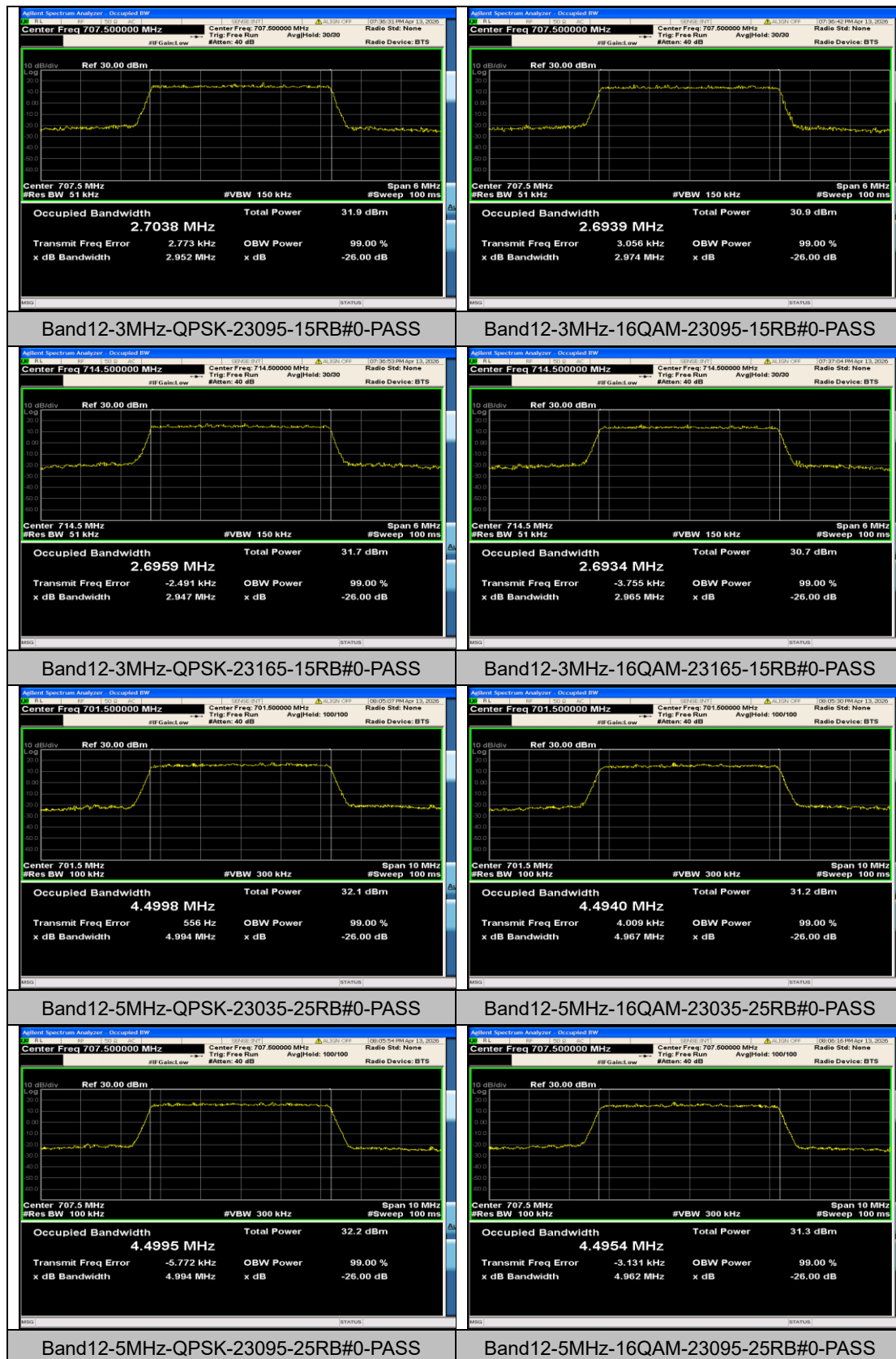
Appendix B: 26dB Bandwidth and Occupied Bandwidth

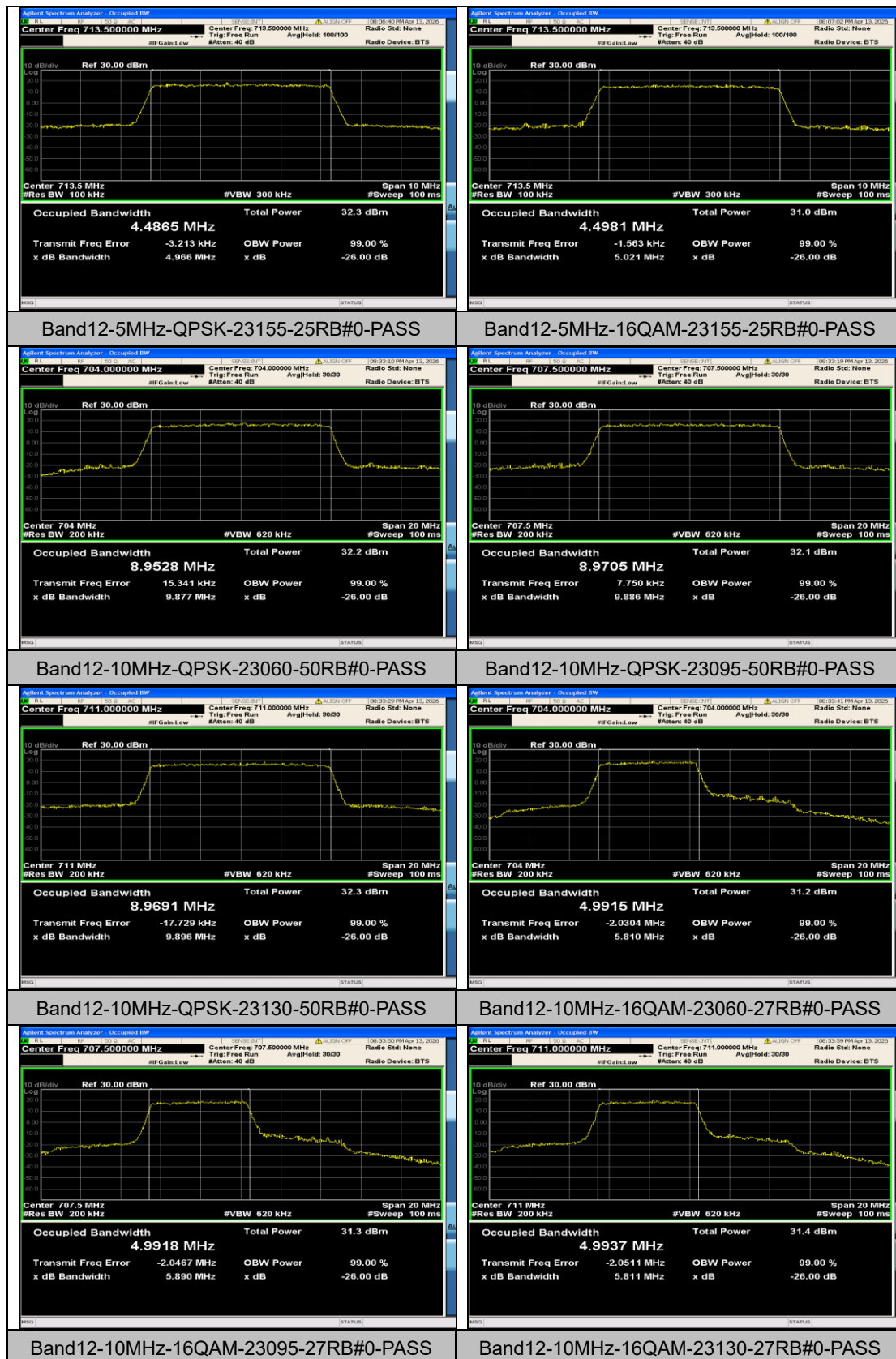
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0933	1.292	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1006	1.296	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0963	1.296	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0984	1.302	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0960	1.319	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0939	1.299	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7014	2.956	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6940	2.984	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7038	2.952	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6939	2.974	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6959	2.947	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6934	2.965	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4998	4.994	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4940	4.967	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4995	4.994	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.4954	4.962	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4865	4.966	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4981	5.021	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9528	9.877	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9705	9.886	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9691	9.896	PASS
Band12	10MHz	16QAM	23060	27RB#0	4.9915	5.810	PASS
Band12	10MHz	16QAM	23095	27RB#0	4.9918	5.890	PASS
Band12	10MHz	16QAM	23130	27RB#0	4.9937	5.811	PASS

Test Graphs







Appendix C: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-20.51	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-22.84	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-45.84	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-47.26	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-26.92	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-27.68	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-45.08	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-46.28	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-20.54	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-21.73	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-23.14	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-25.66	PASS
Band12	3MHz	QPSK	23025	1RB#0	-20.78	PASS
Band12	3MHz	16QAM	23025	1RB#0	-22.77	PASS
Band12	3MHz	QPSK	23025	1RB#14	-45.09	PASS
Band12	3MHz	16QAM	23025	1RB#14	-46.06	PASS
Band12	3MHz	QPSK	23025	15RB#0	-28.44	PASS
Band12	3MHz	16QAM	23025	15RB#0	-30.29	PASS
Band12	3MHz	QPSK	23165	1RB#0	-44.78	PASS
Band12	3MHz	16QAM	23165	1RB#0	-45.59	PASS
Band12	3MHz	QPSK	23165	1RB#14	-18.67	PASS
Band12	3MHz	16QAM	23165	1RB#14	-20.74	PASS
Band12	3MHz	QPSK	23165	15RB#0	-27.64	PASS
Band12	3MHz	16QAM	23165	15RB#0	-29.05	PASS
Band12	5MHz	QPSK	23035	1RB#0	-27.42	PASS
Band12	5MHz	16QAM	23035	1RB#0	-29.38	PASS
Band12	5MHz	QPSK	23035	1RB#24	-55.07	PASS
Band12	5MHz	16QAM	23035	1RB#24	-55.48	PASS
Band12	5MHz	QPSK	23035	25RB#0	-31.45	PASS
Band12	5MHz	16QAM	23035	25RB#0	-32.78	PASS
Band12	5MHz	QPSK	23155	1RB#0	-54.79	PASS
Band12	5MHz	16QAM	23155	1RB#0	-55.32	PASS
Band12	5MHz	QPSK	23155	1RB#24	-24.27	PASS
Band12	5MHz	16QAM	23155	1RB#24	-27.97	PASS
Band12	5MHz	QPSK	23155	25RB#0	-31.33	PASS
Band12	5MHz	16QAM	23155	25RB#0	-32.97	PASS

Band12	10MHz	QPSK	23060	1RB#0	-41.55	PASS
Band12	10MHz	16QAM	23060	1RB#0	-42.54	PASS
Band12	10MHz	QPSK	23060	1RB#49	-55.22	PASS
Band12	10MHz	16QAM	23060	1RB#49	-55.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	-55.06	PASS
Band12	10MHz	16QAM	23130	1RB#0	-55.69	PASS
Band12	10MHz	QPSK	23130	1RB#49	-40.45	PASS
Band12	10MHz	16QAM	23130	1RB#49	-41.92	PASS
Band12	10MHz	QPSK	23060	50RB#0	-34.63	PASS
Band12	10MHz	QPSK	23130	50RB#0	-35.01	PASS

Test Graphs

