

FCC Appendix RF Test Data for LTE Band 12

Company: : **Gastor Pty Ltd**

EUT : **GPS tracker**

Model Number : **AG45**

FCC ID : **2BU7Q-AG45**

Report No. : **CTA26031300106**

Reviewed By : **Eric Wang**

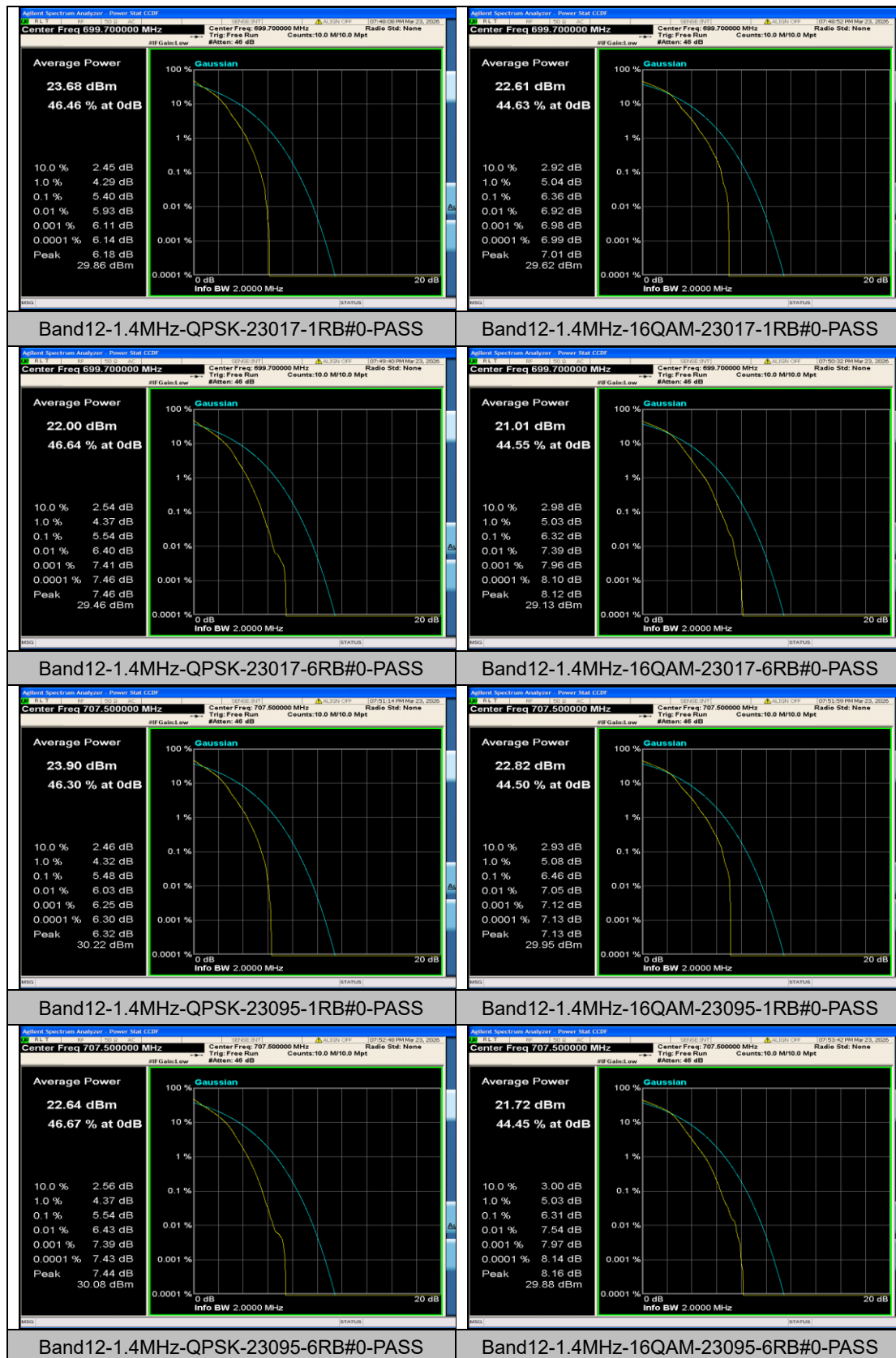
Appendix B: Peak-to-Average Ratio(CCDF)

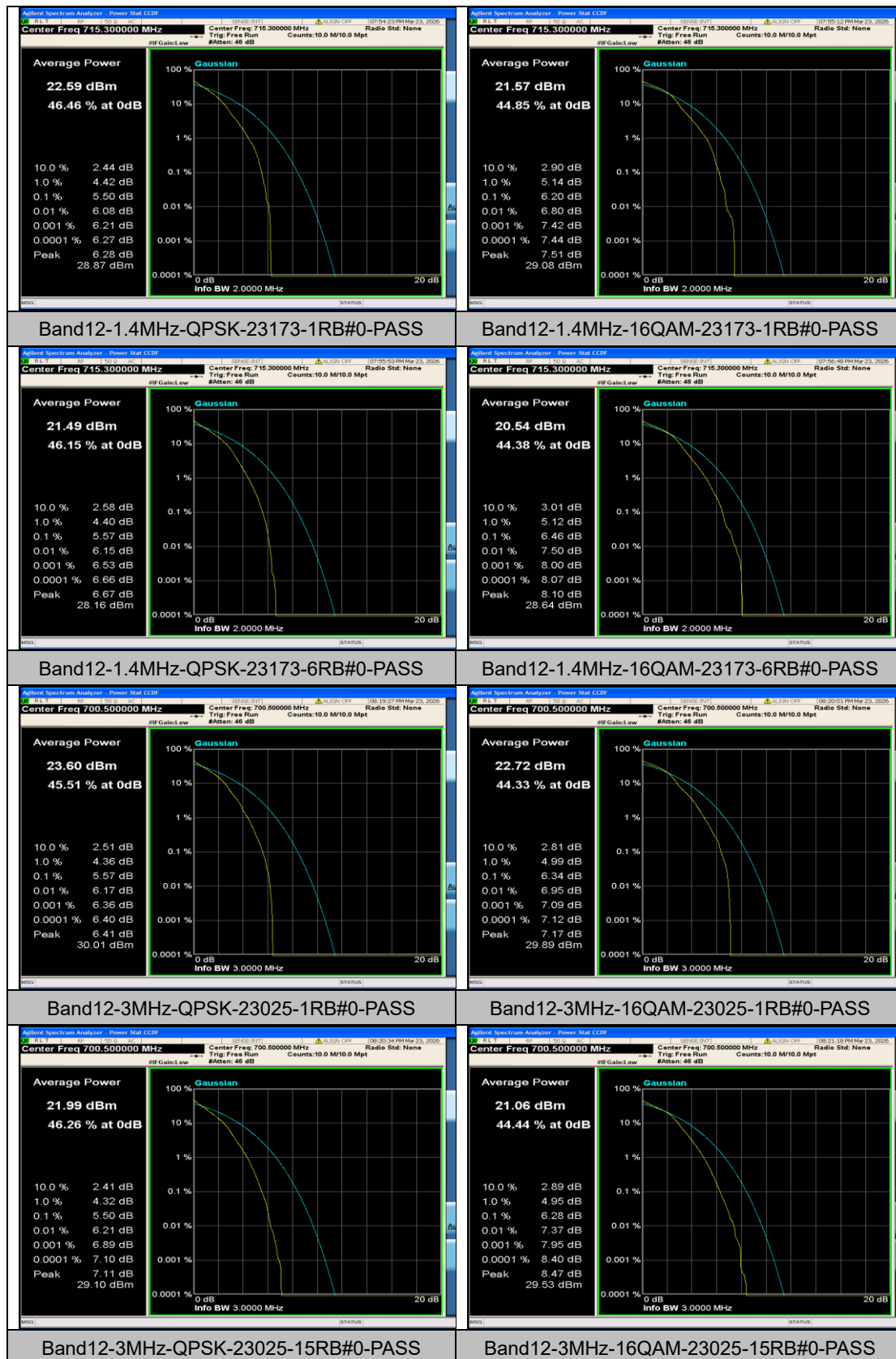
Test Result

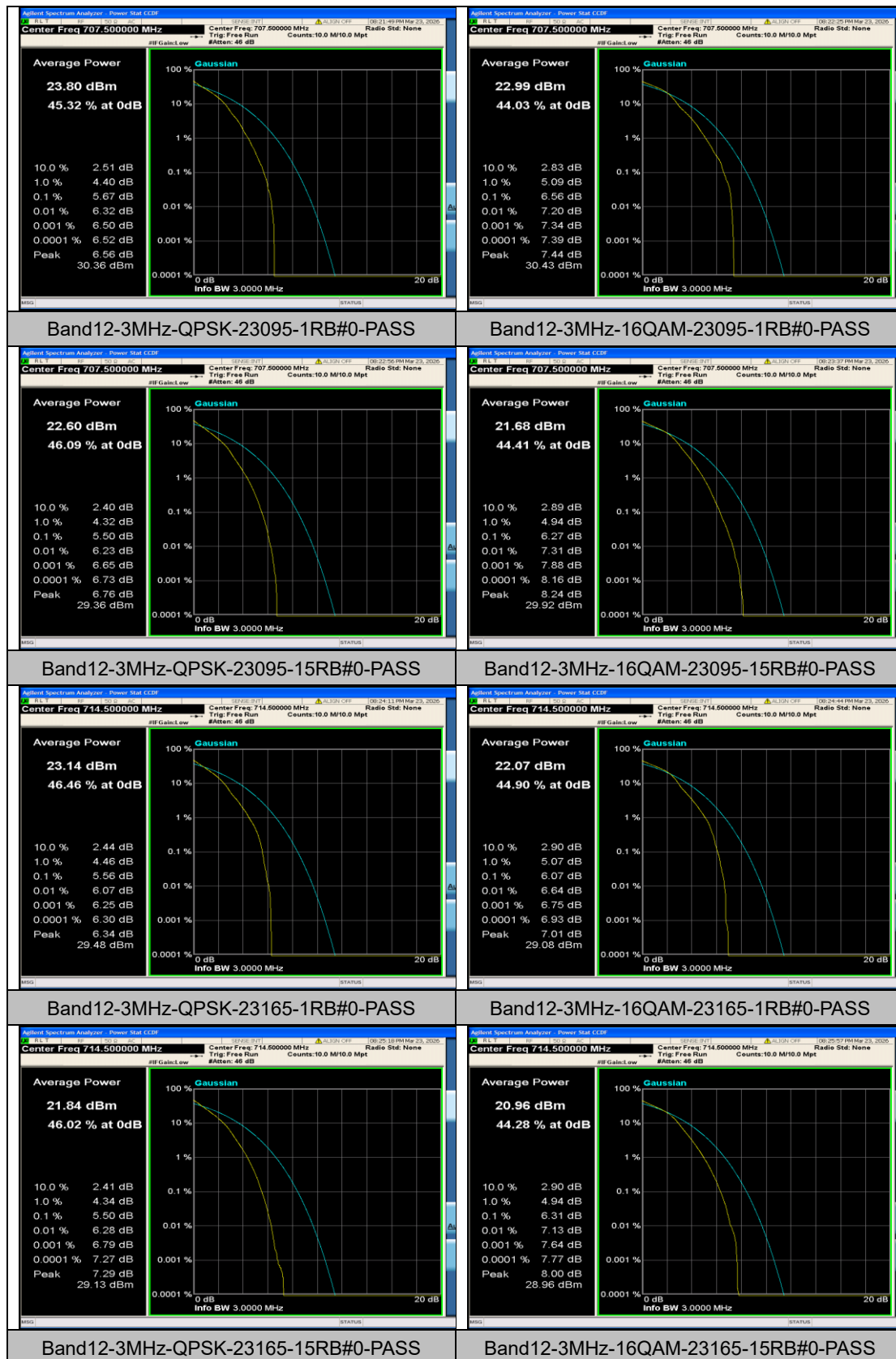
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	5.40	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	6.36	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.54	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.32	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.48	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.46	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.54	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.31	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	5.50	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	6.20	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.57	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.46	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.57	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	6.34	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.50	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.28	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.67	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.56	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.50	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.27	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	5.56	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	6.07	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.50	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.31	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.65	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.96	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.69	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.38	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.63	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	6.05	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.65	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.34	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.56	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	6.09	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.58	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.35	13	PASS

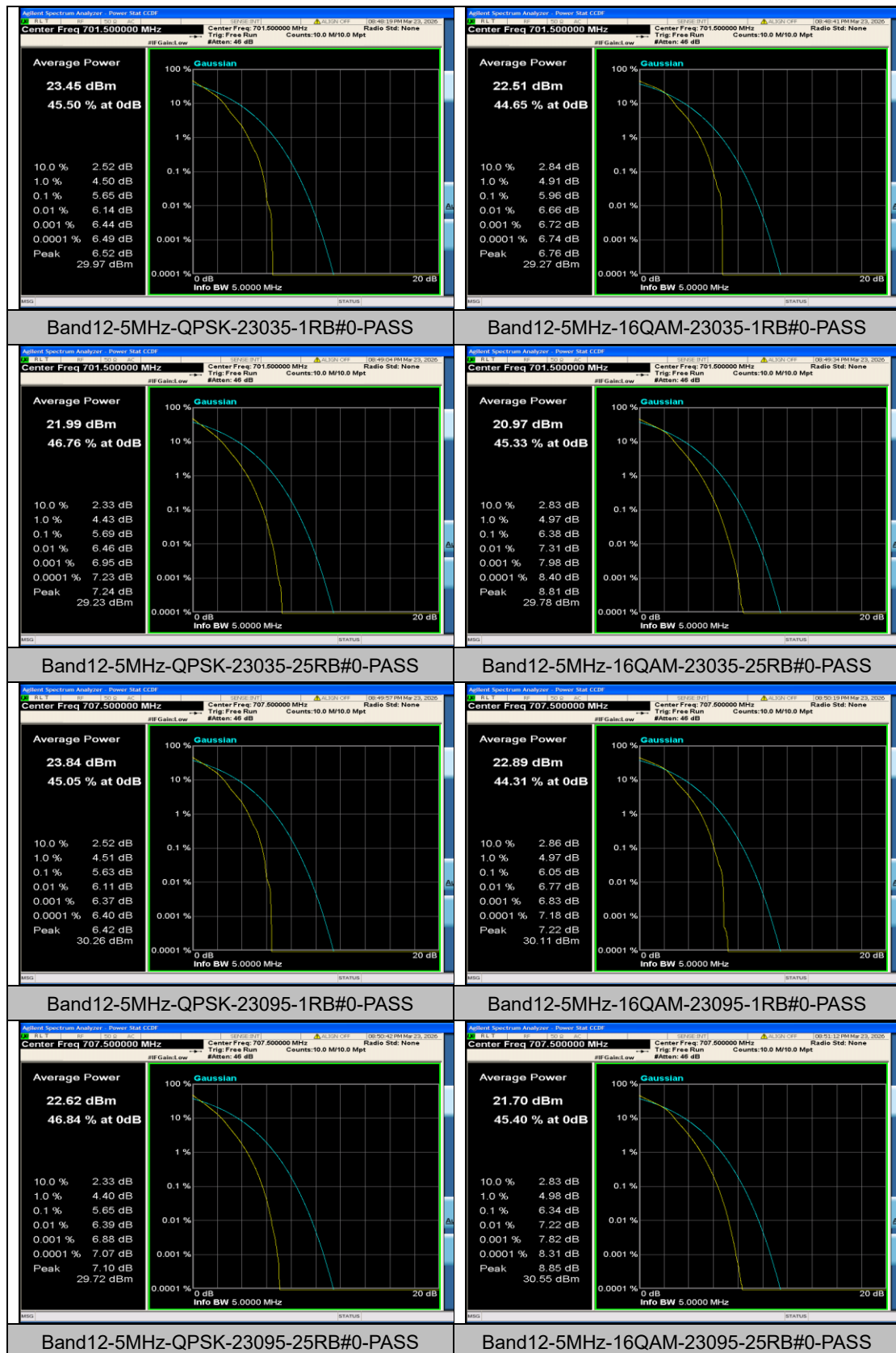
Band12	10MHz	QPSK	23060	1RB#0	5.61	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	6.45	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.42	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	6.24	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.65	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.32	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.71	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.86	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.88	13	PASS

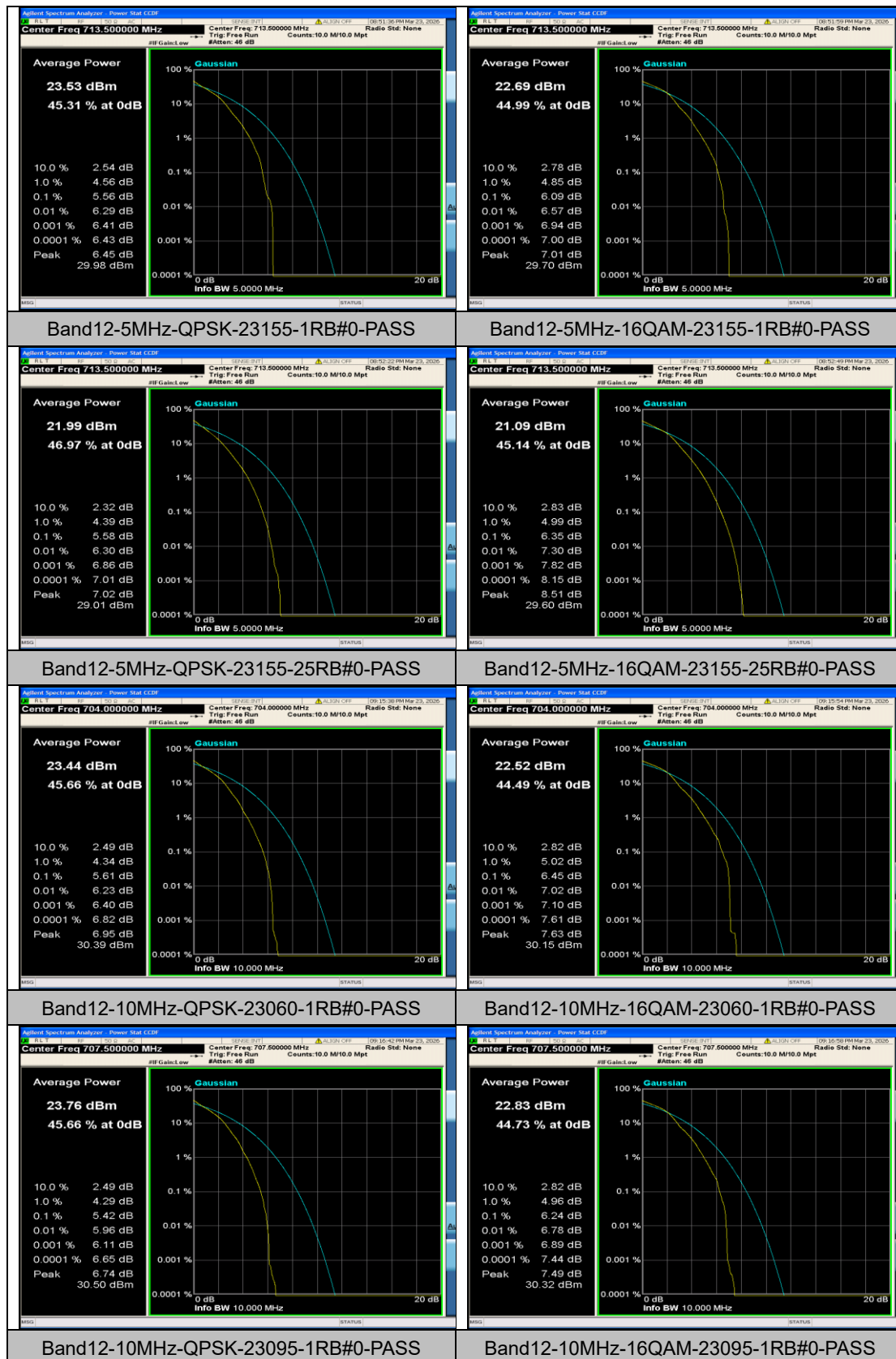
Test Graphs

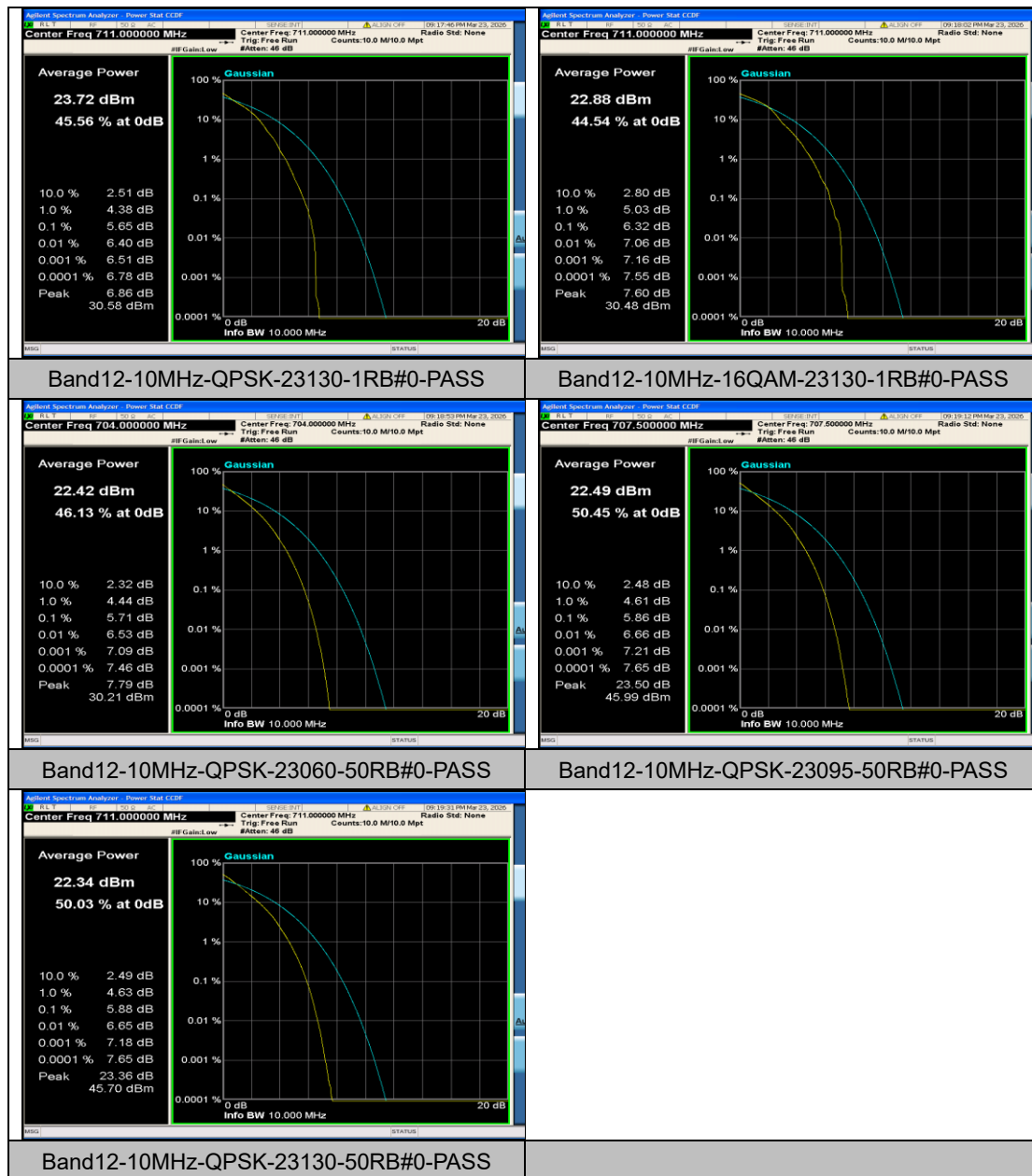










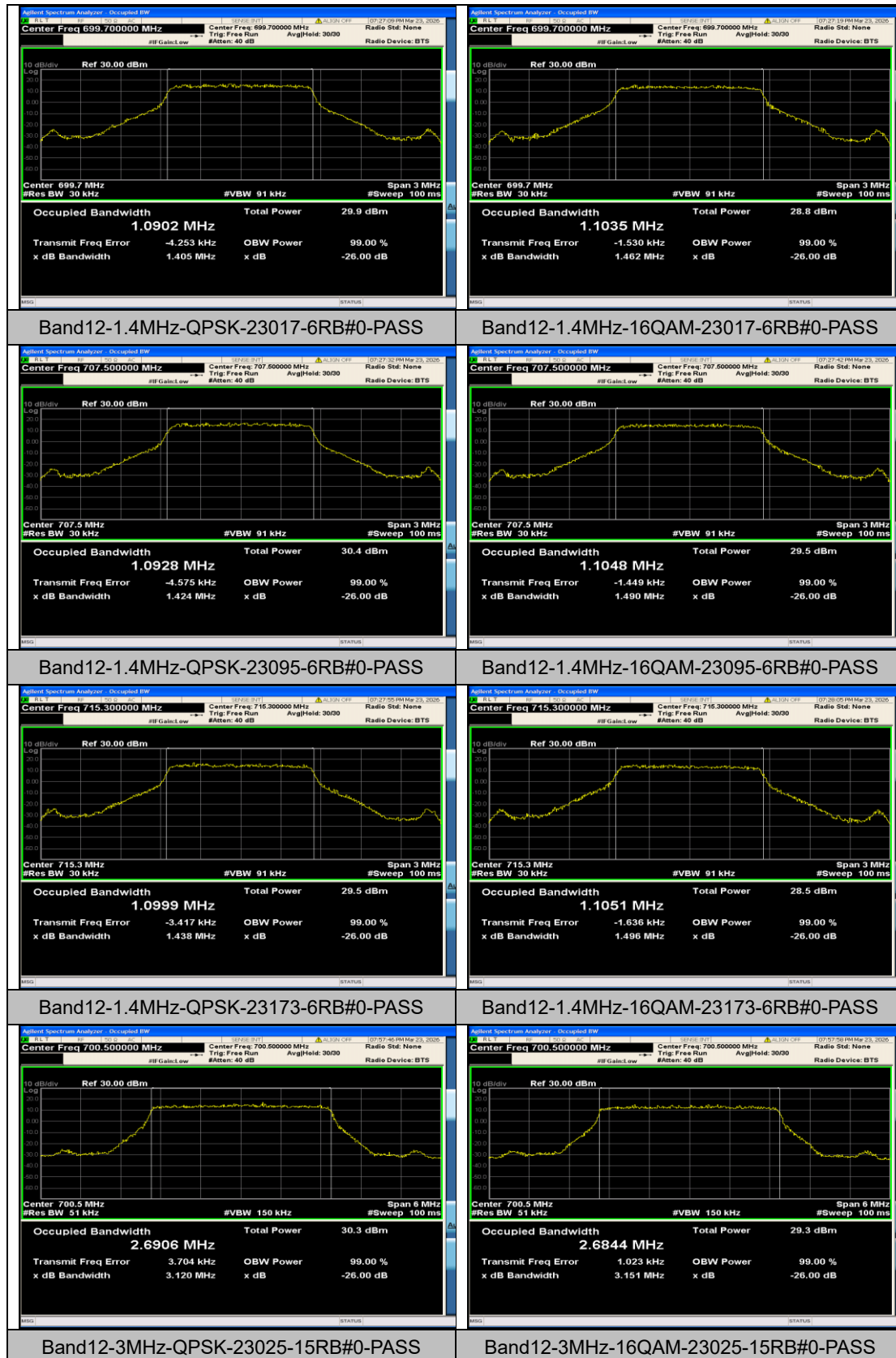


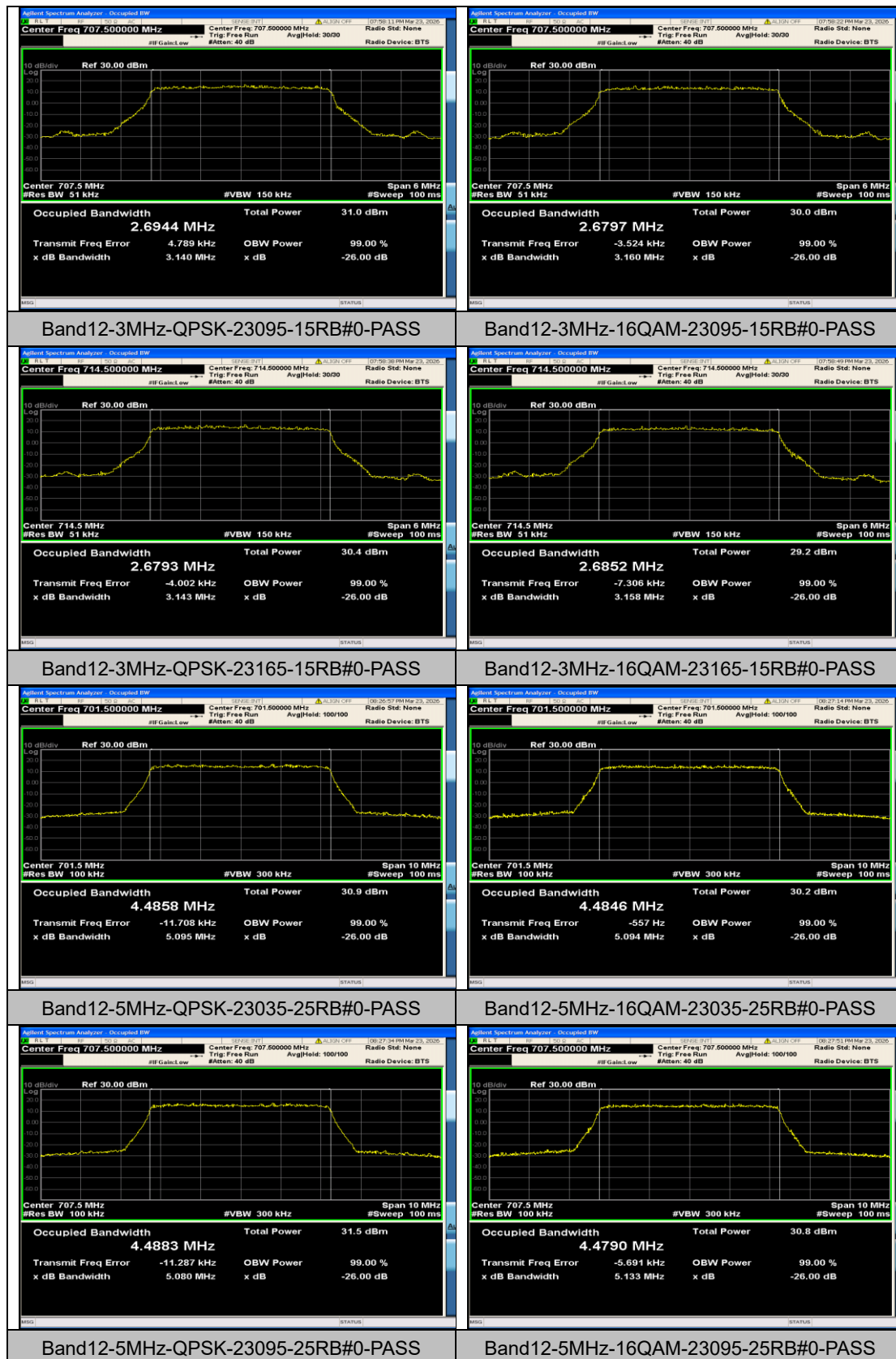
Appendix C: 26dB Bandwidth and Occupied Bandwidth

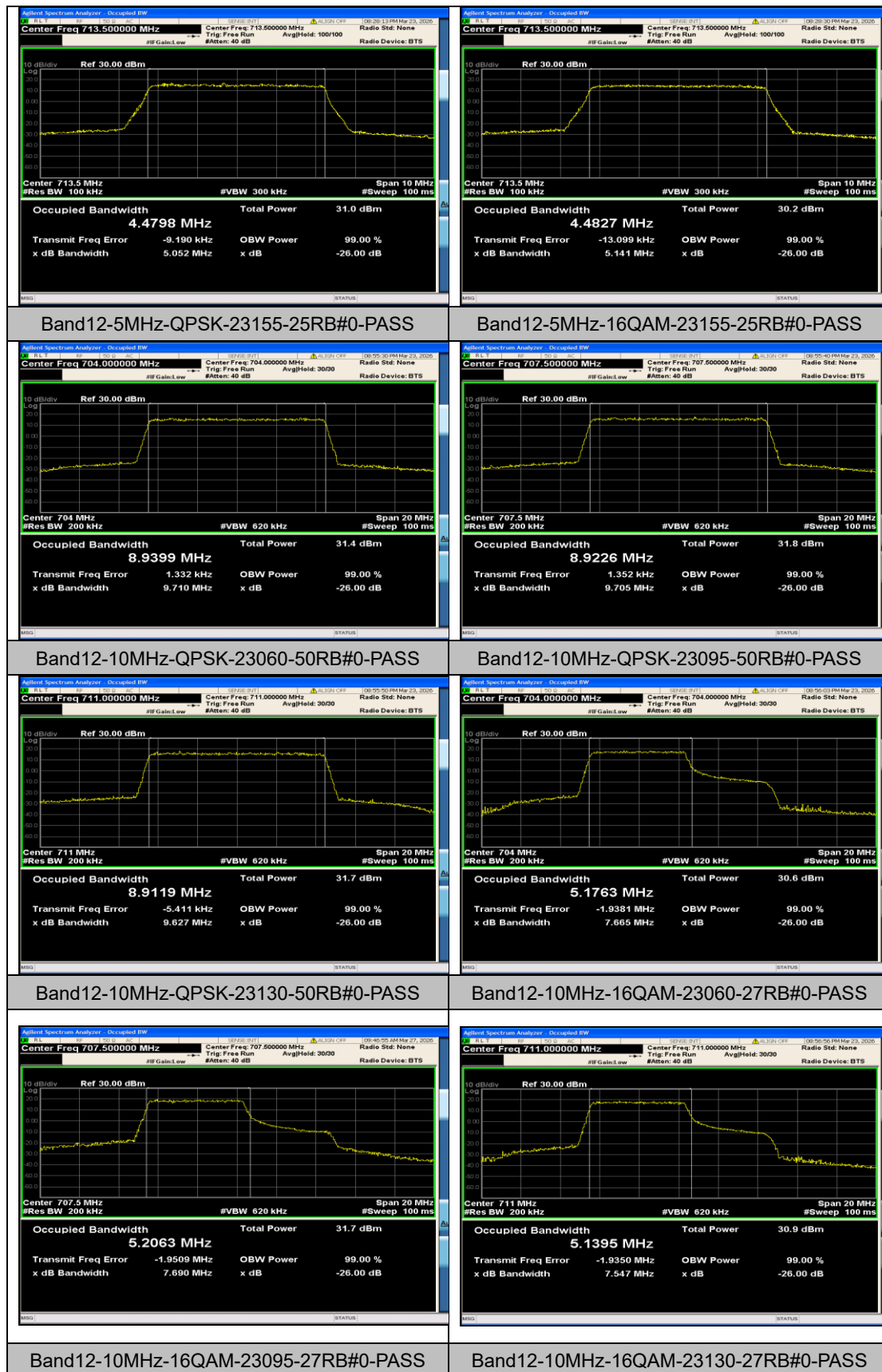
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0902	1.405	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.1035	1.462	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0928	1.424	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.1048	1.490	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0999	1.438	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1051	1.496	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6906	3.120	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6844	3.151	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6944	3.140	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6797	3.160	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6793	3.143	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6852	3.158	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4858	5.095	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4846	5.094	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4883	5.080	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.4790	5.133	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4798	5.052	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4827	5.141	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9399	9.710	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9226	9.705	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9119	9.627	PASS
Band12	10MHz	16QAM	23060	27RB#0	5.1763	7.665	PASS
Band12	10MHz	16QAM	23095	27RB#0	5.2063	7.690	PASS
Band12	10MHz	16QAM	23130	27RB#0	5.1395	7.547	PASS

Test Graphs







Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-19.40	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-19.95	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-23.08	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-24.49	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-25.98	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-26.44	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-23.33	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-24.01	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-20.72	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-22.36	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-26.15	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-26.69	PASS
Band12	3MHz	QPSK	23025	1RB#0	-17.72	PASS
Band12	3MHz	16QAM	23025	1RB#0	-18.88	PASS
Band12	3MHz	QPSK	23025	1RB#14	-29.62	PASS
Band12	3MHz	16QAM	23025	1RB#14	-30.12	PASS
Band12	3MHz	QPSK	23025	15RB#0	-27.54	PASS
Band12	3MHz	16QAM	23025	15RB#0	-29.15	PASS
Band12	3MHz	QPSK	23165	1RB#0	-28.47	PASS
Band12	3MHz	16QAM	23165	1RB#0	-29.13	PASS
Band12	3MHz	QPSK	23165	1RB#14	-20.28	PASS
Band12	3MHz	16QAM	23165	1RB#14	-20.49	PASS
Band12	3MHz	QPSK	23165	15RB#0	-29.32	PASS
Band12	3MHz	16QAM	23165	15RB#0	-30.16	PASS
Band12	5MHz	QPSK	23035	1RB#0	-23.94	PASS
Band12	5MHz	16QAM	23035	1RB#0	-24.81	PASS
Band12	5MHz	QPSK	23035	1RB#24	-39.47	PASS
Band12	5MHz	16QAM	23035	1RB#24	-40.98	PASS
Band12	5MHz	QPSK	23035	25RB#0	-33.86	PASS
Band12	5MHz	16QAM	23035	25RB#0	-34.39	PASS
Band12	5MHz	QPSK	23155	1RB#0	-41.15	PASS
Band12	5MHz	16QAM	23155	1RB#0	-42.20	PASS
Band12	5MHz	QPSK	23155	1RB#24	-23.37	PASS
Band12	5MHz	16QAM	23155	1RB#24	-24.63	PASS
Band12	5MHz	QPSK	23155	25RB#0	-35.42	PASS
Band12	5MHz	16QAM	23155	25RB#0	-36.04	PASS

Band12	10MHz	QPSK	23060	1RB#0	-42.82	PASS
Band12	10MHz	16QAM	23060	1RB#0	-42.91	PASS
Band12	10MHz	QPSK	23060	1RB#49	-51.50	PASS
Band12	10MHz	16QAM	23060	1RB#49	-54.05	PASS
Band12	10MHz	QPSK	23130	1RB#0	-54.42	PASS
Band12	10MHz	16QAM	23130	1RB#0	-54.59	PASS
Band12	10MHz	QPSK	23130	1RB#49	-42.33	PASS
Band12	10MHz	16QAM	23130	1RB#49	-43.10	PASS
Band12	10MHz	QPSK	23060	50RB#0	-38.66	PASS
Band12	10MHz	QPSK	23130	50RB#0	-41.18	PASS

Test Graphs

