

FCC LTE Band Test Data

FCC ID : **2BL6S-MA9108**

Company: : **Sieva Networks**

EUT : **4G Dash Camera**

Model Number : **MA9108**

Reviewed By : **Eric Wang**

Appendix A: Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	23.21	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	23.09	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	23.07	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	23.02	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.99	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.93	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	22.89	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	23.10	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	23.04	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	23.11	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.90	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.87	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.93	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	22.00	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.28	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	21.99	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.03	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	21.77	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	21.73	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	21.73	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	20.73	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	23.16	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	23.05	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	23.06	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	22.98	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	22.96	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	22.91	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	22.87	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	22.00	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.13	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	22.08	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.80	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.77	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.82	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	21.14	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.10	PASS

Band12	1.4MHz	16QAM	23173	1RB#2	21.00	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	20.91	PASS
Band12	1.4MHz	16QAM	23173	3RB#0	20.55	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	20.51	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	20.60	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	19.92	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.93	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.48	PASS
Band12	3MHz	QPSK	23025	1RB#14	21.91	PASS
Band12	3MHz	QPSK	23025	8RB#0	21.68	PASS
Band12	3MHz	QPSK	23025	8RB#4	21.74	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.25	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.44	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.78	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.98	PASS
Band12	3MHz	QPSK	23095	1RB#14	23.20	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.75	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.76	PASS
Band12	3MHz	QPSK	23095	8RB#7	22.09	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.99	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.48	PASS
Band12	3MHz	QPSK	23165	1RB#8	21.89	PASS
Band12	3MHz	QPSK	23165	1RB#14	21.91	PASS
Band12	3MHz	QPSK	23165	8RB#0	20.86	PASS
Band12	3MHz	QPSK	23165	8RB#4	20.92	PASS
Band12	3MHz	QPSK	23165	8RB#7	20.81	PASS
Band12	3MHz	QPSK	23165	15RB#0	20.82	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.94	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.47	PASS
Band12	3MHz	16QAM	23025	1RB#14	20.93	PASS
Band12	3MHz	16QAM	23025	8RB#0	20.90	PASS
Band12	3MHz	16QAM	23025	8RB#4	20.91	PASS
Band12	3MHz	16QAM	23025	8RB#7	20.48	PASS
Band12	3MHz	16QAM	23025	15RB#0	20.70	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.53	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.87	PASS
Band12	3MHz	16QAM	23095	1RB#14	22.14	PASS
Band12	3MHz	16QAM	23095	8RB#0	21.00	PASS
Band12	3MHz	16QAM	23095	8RB#4	21.00	PASS
Band12	3MHz	16QAM	23095	8RB#7	21.30	PASS
Band12	3MHz	16QAM	23095	15RB#0	21.02	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.25	PASS
Band12	3MHz	16QAM	23165	1RB#8	20.88	PASS

Band12	3MHz	16QAM	23165	1RB#14	20.88	PASS
Band12	3MHz	16QAM	23165	8RB#0	20.12	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.14	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.01	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.06	PASS
Band12	5MHz	QPSK	23035	1RB#0	23.75	PASS
Band12	5MHz	QPSK	23035	1RB#12	24.05	PASS
Band12	5MHz	QPSK	23035	1RB#24	23.79	PASS
Band12	5MHz	QPSK	23035	12RB#0	23.03	PASS
Band12	5MHz	QPSK	23035	12RB#6	23.03	PASS
Band12	5MHz	QPSK	23035	12RB#13	22.96	PASS
Band12	5MHz	QPSK	23035	25RB#0	22.93	PASS
Band12	5MHz	QPSK	23095	1RB#0	24.23	PASS
Band12	5MHz	QPSK	23095	1RB#12	24.32	PASS
Band12	5MHz	QPSK	23095	1RB#24	24.10	PASS
Band12	5MHz	QPSK	23095	12RB#0	23.27	PASS
Band12	5MHz	QPSK	23095	12RB#6	23.29	PASS
Band12	5MHz	QPSK	23095	12RB#13	23.14	PASS
Band12	5MHz	QPSK	23095	25RB#0	23.18	PASS
Band12	5MHz	QPSK	23155	1RB#0	24.08	PASS
Band12	5MHz	QPSK	23155	1RB#12	24.39	PASS
Band12	5MHz	QPSK	23155	1RB#24	23.99	PASS
Band12	5MHz	QPSK	23155	12RB#0	23.29	PASS
Band12	5MHz	QPSK	23155	12RB#6	23.29	PASS
Band12	5MHz	QPSK	23155	12RB#13	23.22	PASS
Band12	5MHz	QPSK	23155	25RB#0	23.23	PASS
Band12	5MHz	16QAM	23035	1RB#0	23.03	PASS
Band12	5MHz	16QAM	23035	1RB#12	23.06	PASS
Band12	5MHz	16QAM	23035	1RB#24	22.44	PASS
Band12	5MHz	16QAM	23035	12RB#0	21.65	PASS
Band12	5MHz	16QAM	23035	12RB#6	22.13	PASS
Band12	5MHz	16QAM	23035	12RB#13	21.64	PASS
Band12	5MHz	16QAM	23035	25RB#0	21.94	PASS
Band12	5MHz	16QAM	23095	1RB#0	22.98	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.97	PASS
Band12	5MHz	16QAM	23095	1RB#24	22.92	PASS
Band12	5MHz	16QAM	23095	12RB#0	22.35	PASS
Band12	5MHz	16QAM	23095	12RB#6	22.36	PASS
Band12	5MHz	16QAM	23095	12RB#13	22.31	PASS
Band12	5MHz	16QAM	23095	25RB#0	22.16	PASS
Band12	5MHz	16QAM	23155	1RB#0	23.39	PASS
Band12	5MHz	16QAM	23155	1RB#12	23.84	PASS
Band12	5MHz	16QAM	23155	1RB#24	22.97	PASS

Band12	5MHz	16QAM	23155	12RB#0	22.28	PASS
Band12	5MHz	16QAM	23155	12RB#6	22.28	PASS
Band12	5MHz	16QAM	23155	12RB#13	22.24	PASS
Band12	5MHz	16QAM	23155	25RB#0	22.44	PASS
Band12	10MHz	QPSK	23060	1RB#0	23.91	PASS
Band12	10MHz	QPSK	23060	1RB#24	24.11	PASS
Band12	10MHz	QPSK	23060	1RB#49	23.87	PASS
Band12	10MHz	QPSK	23060	25RB#0	23.03	PASS
Band12	10MHz	QPSK	23060	25RB#12	23.05	PASS
Band12	10MHz	QPSK	23060	25RB#25	23.26	PASS
Band12	10MHz	QPSK	23060	50RB#0	23.12	PASS
Band12	10MHz	QPSK	23095	1RB#0	23.84	PASS
Band12	10MHz	QPSK	23095	1RB#24	24.51	PASS
Band12	10MHz	QPSK	23095	1RB#49	23.98	PASS
Band12	10MHz	QPSK	23095	25RB#0	23.23	PASS
Band12	10MHz	QPSK	23095	25RB#12	23.25	PASS
Band12	10MHz	QPSK	23095	25RB#25	23.16	PASS
Band12	10MHz	QPSK	23095	50RB#0	23.19	PASS
Band12	10MHz	QPSK	23130	1RB#0	24.16	PASS
Band12	10MHz	QPSK	23130	1RB#24	24.08	PASS
Band12	10MHz	QPSK	23130	1RB#49	23.90	PASS
Band12	10MHz	QPSK	23130	25RB#0	23.30	PASS
Band12	10MHz	QPSK	23130	25RB#12	23.29	PASS
Band12	10MHz	QPSK	23130	25RB#25	23.18	PASS
Band12	10MHz	QPSK	23130	50RB#0	23.26	PASS
Band12	10MHz	16QAM	23060	1RB#0	22.66	PASS
Band12	10MHz	16QAM	23060	1RB#24	23.29	PASS
Band12	10MHz	16QAM	23060	1RB#49	23.04	PASS
Band12	10MHz	16QAM	23060	25RB#0	22.01	PASS
Band12	10MHz	16QAM	23060	25RB#12	22.01	PASS
Band12	10MHz	16QAM	23060	25RB#25	22.33	PASS
Band12	10MHz	16QAM	23095	1RB#0	22.67	PASS
Band12	10MHz	16QAM	23095	1RB#24	23.53	PASS
Band12	10MHz	16QAM	23095	1RB#49	23.29	PASS
Band12	10MHz	16QAM	23095	25RB#0	22.35	PASS
Band12	10MHz	16QAM	23095	25RB#12	22.36	PASS
Band12	10MHz	16QAM	23095	25RB#25	22.28	PASS
Band12	10MHz	16QAM	23130	1RB#0	23.29	PASS
Band12	10MHz	16QAM	23130	1RB#24	23.52	PASS
Band12	10MHz	16QAM	23130	1RB#49	23.06	PASS
Band12	10MHz	16QAM	23130	25RB#0	22.16	PASS
Band12	10MHz	16QAM	23130	25RB#12	22.17	PASS
Band12	10MHz	16QAM	23130	25RB#25	22.18	PASS

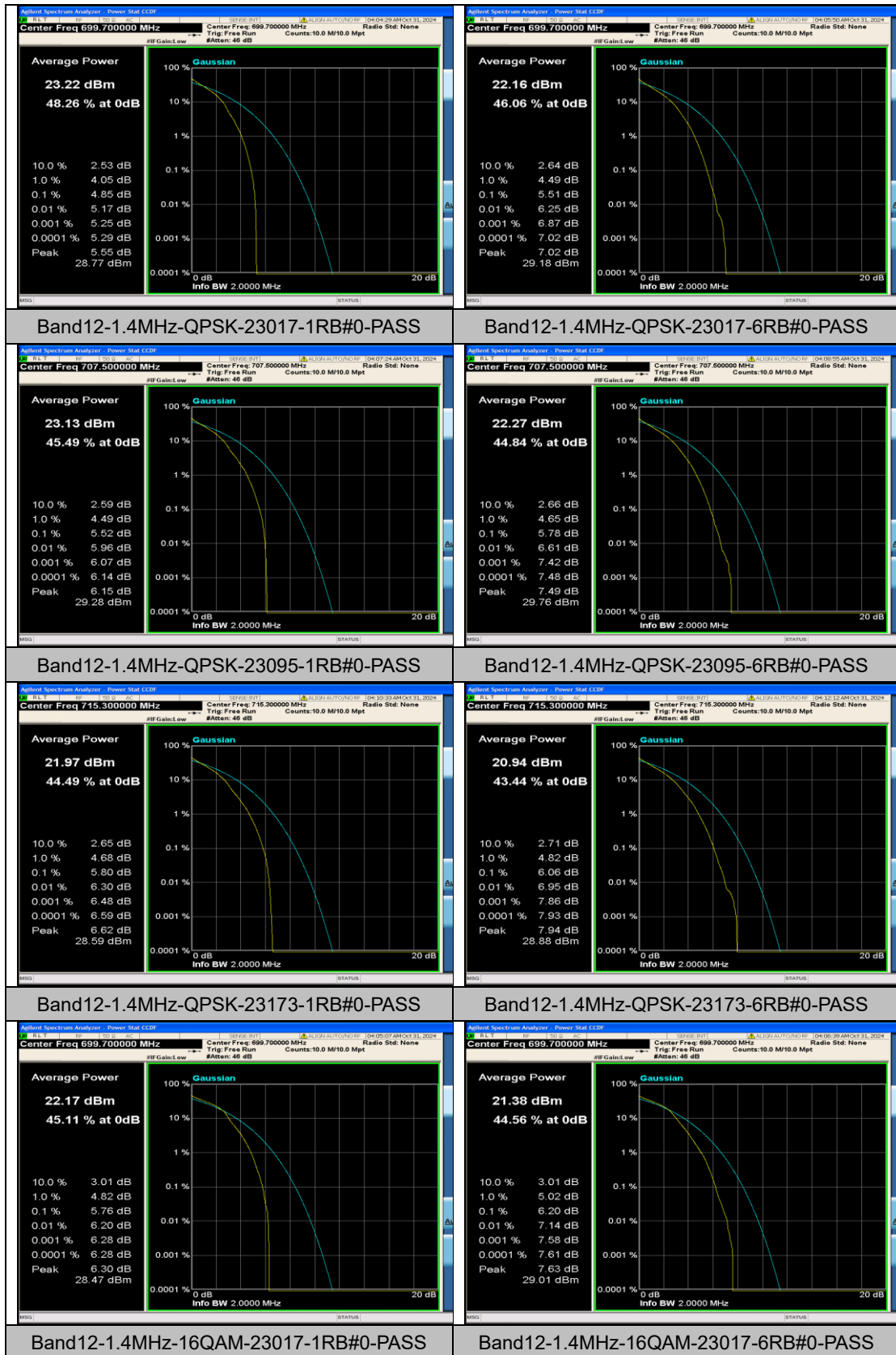
Appendix B: Peak-to-Average Ratio(CCDF)

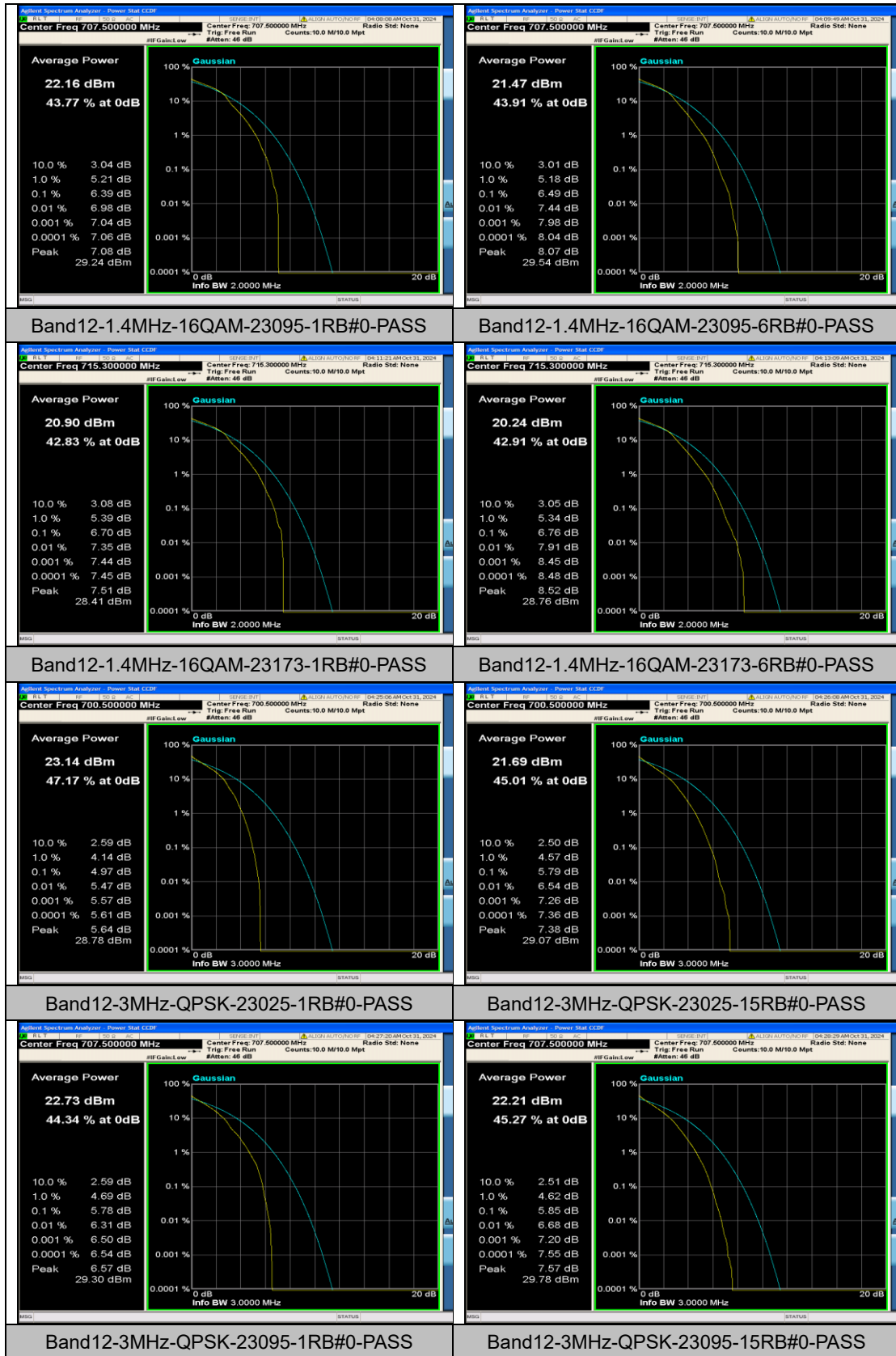
Test Result

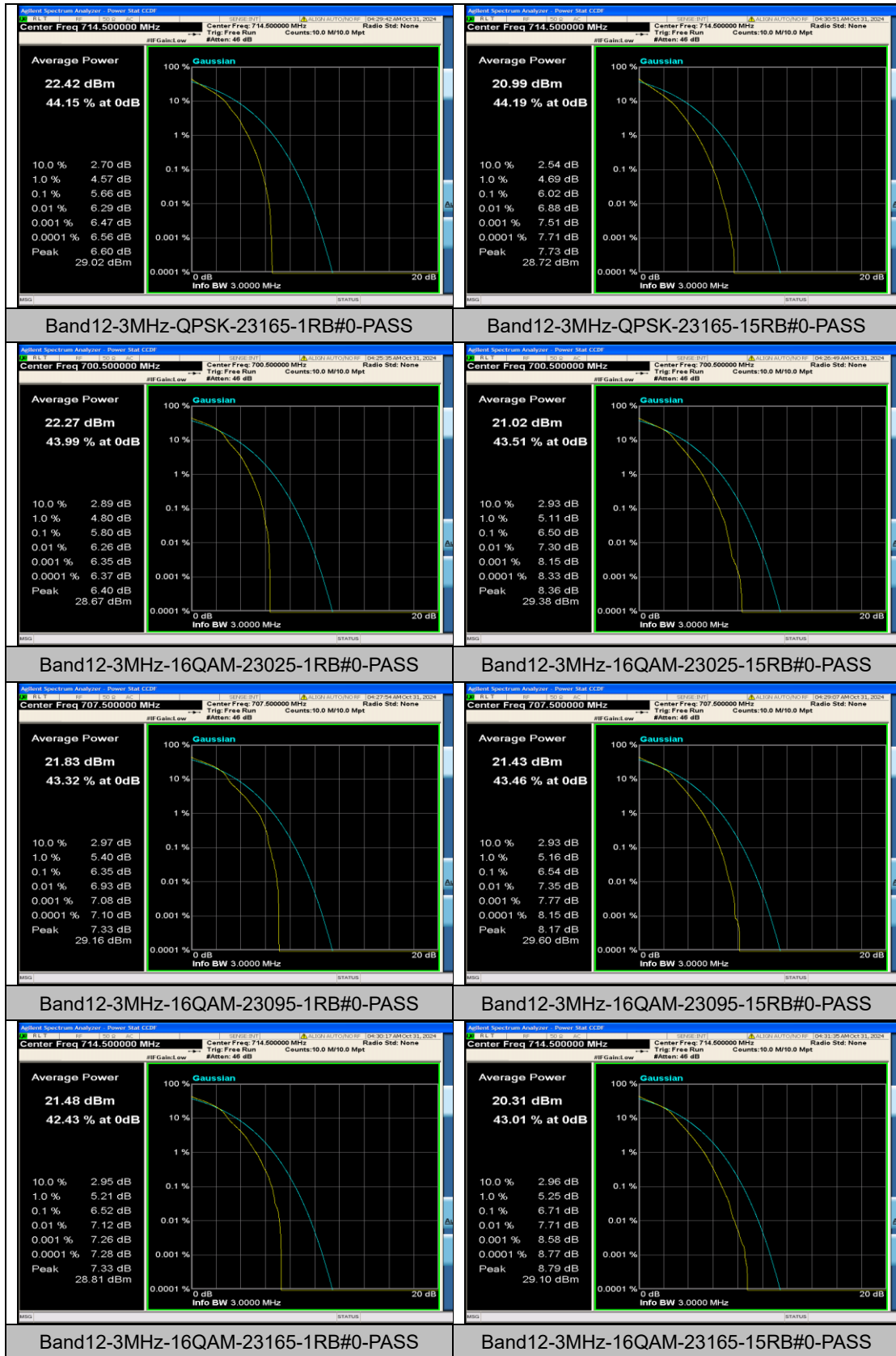
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.85	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.51	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.52	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.78	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	5.80	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	6.06	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.76	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.20	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.39	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.49	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	6.70	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.76	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.97	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.79	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.78	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.85	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	5.66	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	6.02	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.80	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.50	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	6.35	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.54	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	6.52	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.71	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	3.27	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.73	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	3.52	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.79	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	3.49	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.63	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	4.01	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.58	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	4.46	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.66	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	4.55	13	PASS

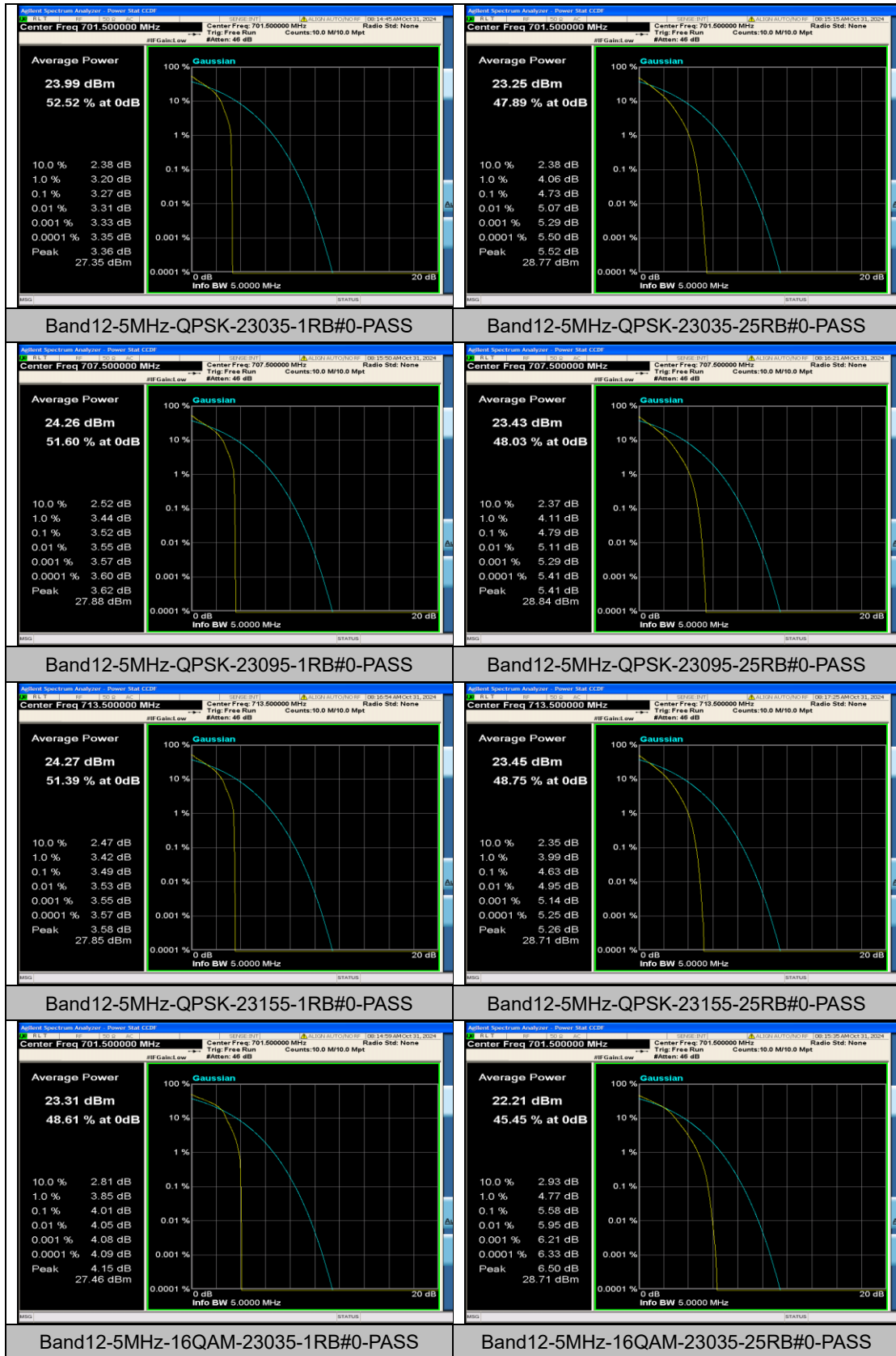
Band12	5MHz	16QAM	23155	25RB#0	5.51	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	3.23	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	4.70	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	3.49	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.74	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	3.54	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.72	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	4.12	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	4.30	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	4.38	13	PASS

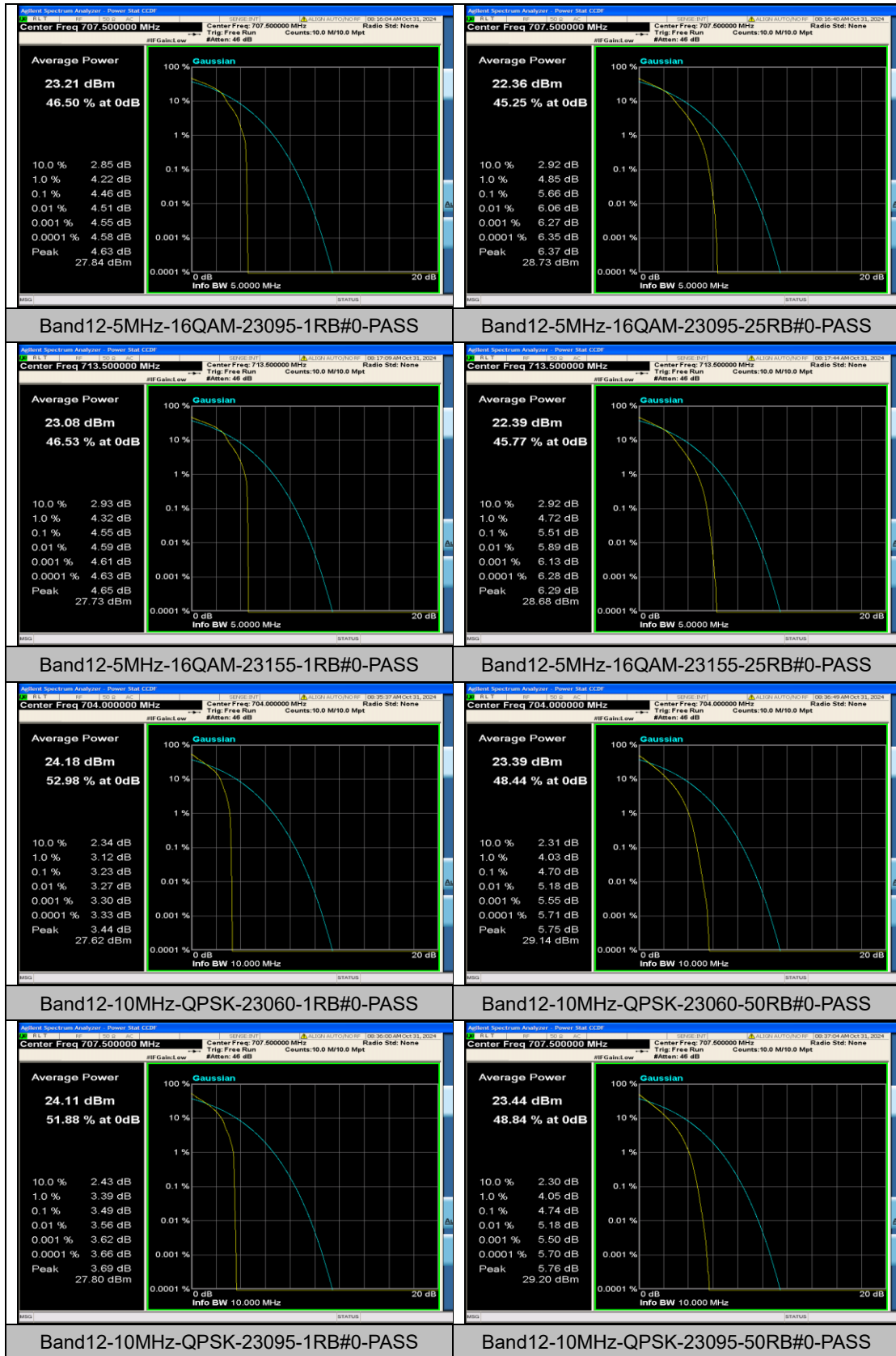
Test Graphs

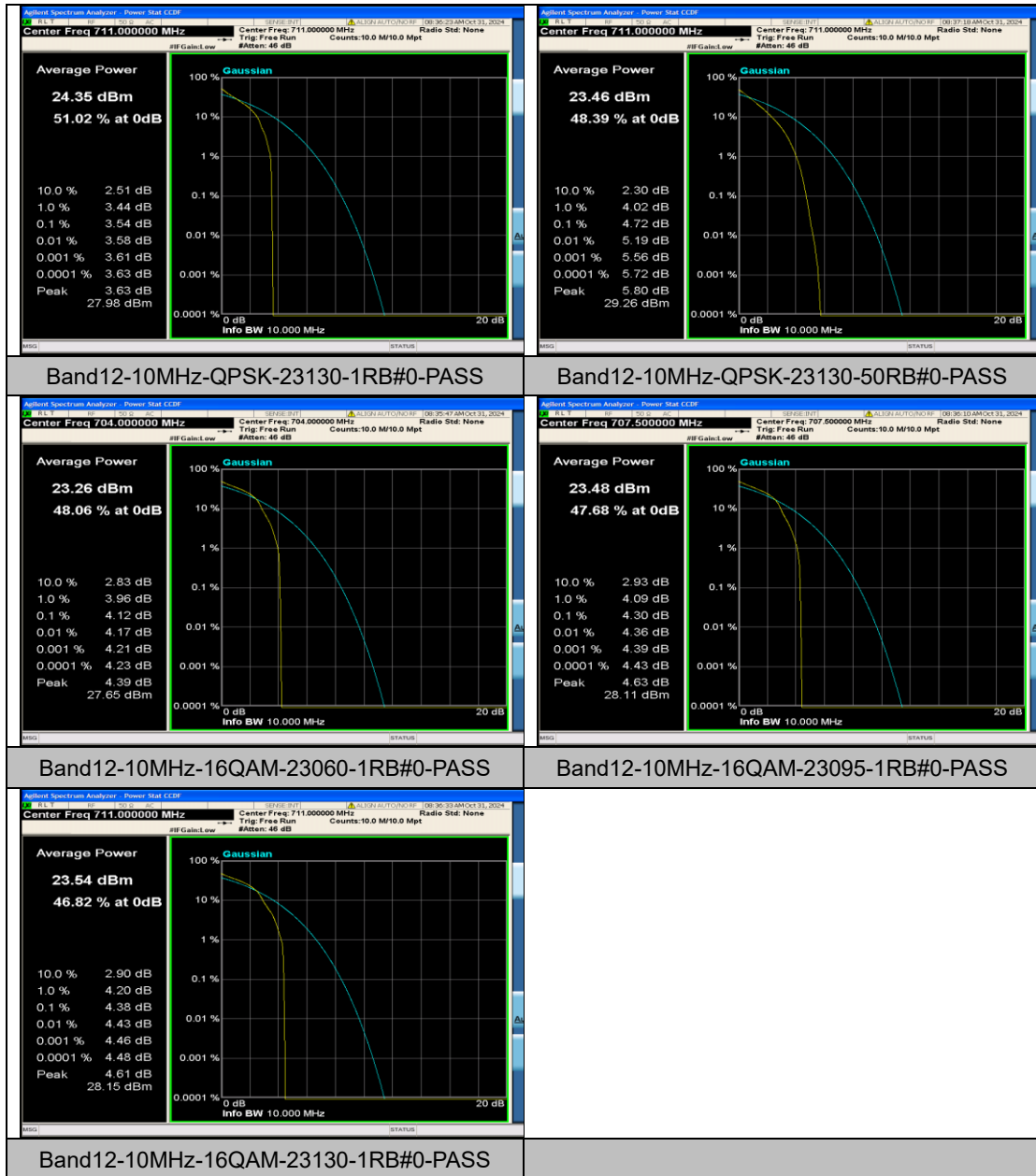










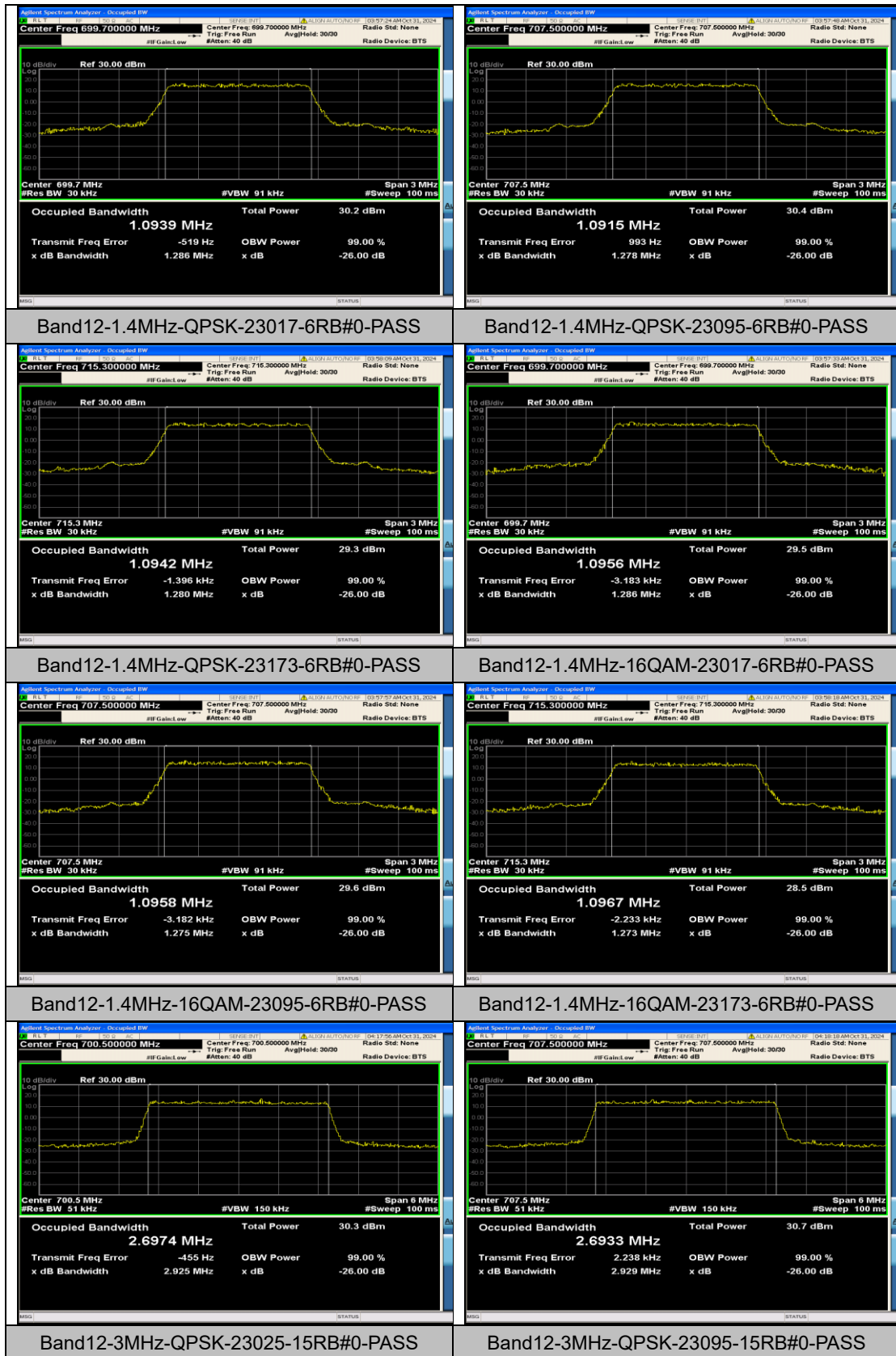


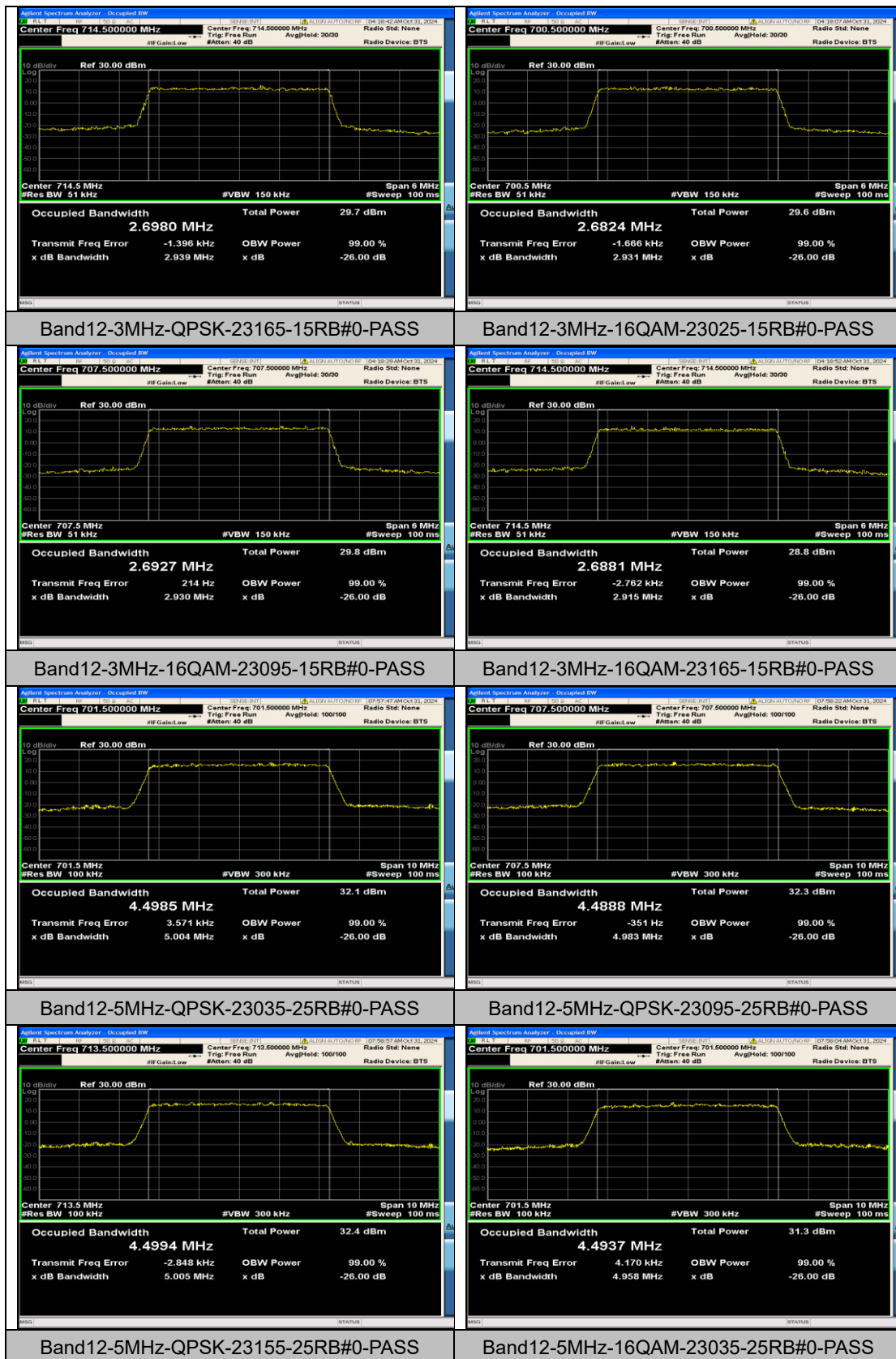
Appendix C: 26dB Bandwidth and Occupied Bandwidth

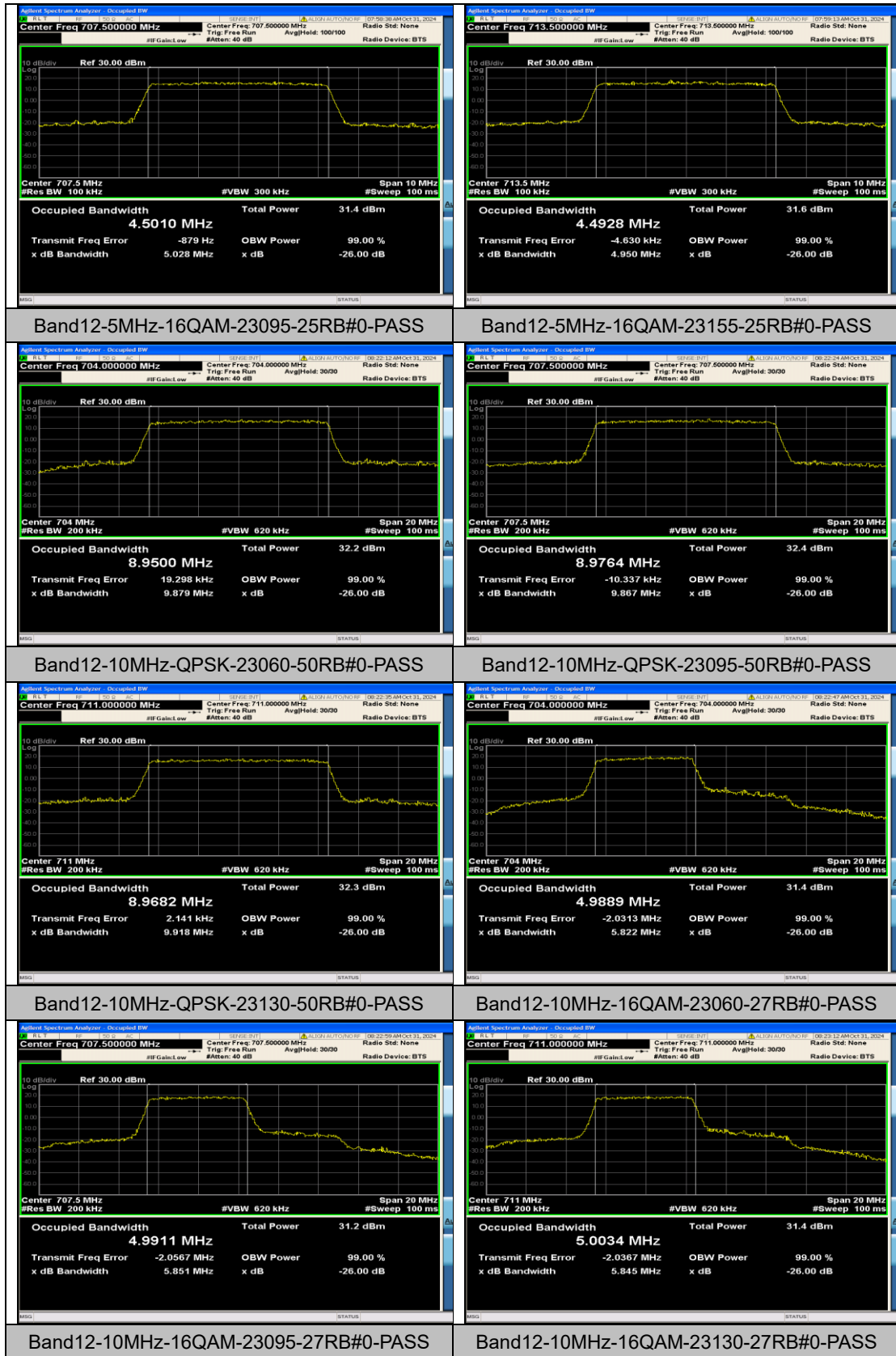
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0939	1.286	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0915	1.278	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0942	1.280	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0956	1.286	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0958	1.275	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0967	1.273	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6974	2.925	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6933	2.929	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6980	2.939	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6824	2.931	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6927	2.930	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6881	2.915	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4985	5.004	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4888	4.983	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4994	5.005	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4937	4.958	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5010	5.028	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.4928	4.950	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9500	9.879	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9764	9.867	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9682	9.918	PASS
Band12	10MHz	16QAM	23060	27RB#0	4.9889	5.822	PASS
Band12	10MHz	16QAM	23095	27RB#0	4.9911	5.851	PASS
Band12	10MHz	16QAM	23130	27RB#0	5.0034	5.845	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	-25.93	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	-26.44	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-27.45	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	-26.30	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-27.38	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-26.67	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-27.62	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	-27.41	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-27.52	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	-27.50	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-27.92	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-27.51	PASS
Band12	3MHz	QPSK	23025	1RB#0	-23.64	PASS
Band12	3MHz	QPSK	23025	1RB#14	-37.54	PASS
Band12	3MHz	QPSK	23025	15RB#0	-30.26	PASS
Band12	3MHz	QPSK	23165	1RB#0	-38.45	PASS
Band12	3MHz	QPSK	23165	1RB#14	-23.62	PASS
Band12	3MHz	QPSK	23165	15RB#0	-29.85	PASS
Band12	3MHz	16QAM	23025	1RB#0	-23.84	PASS
Band12	3MHz	16QAM	23025	1RB#14	-37.81	PASS
Band12	3MHz	16QAM	23025	15RB#0	-31.17	PASS
Band12	3MHz	16QAM	23165	1RB#0	-38.36	PASS
Band12	3MHz	16QAM	23165	1RB#14	-25.17	PASS
Band12	3MHz	16QAM	23165	15RB#0	-31.08	PASS
Band12	5MHz	QPSK	23035	1RB#0	-26.82	PASS
Band12	5MHz	QPSK	23035	1RB#24	-55.43	PASS
Band12	5MHz	QPSK	23035	25RB#0	-31.04	PASS
Band12	5MHz	QPSK	23155	1RB#0	-54.57	PASS
Band12	5MHz	QPSK	23155	1RB#24	-23.78	PASS
Band12	5MHz	QPSK	23155	25RB#0	-30.85	PASS
Band12	5MHz	16QAM	23035	1RB#0	-28.08	PASS
Band12	5MHz	16QAM	23035	1RB#24	-55.73	PASS
Band12	5MHz	16QAM	23035	25RB#0	-31.88	PASS
Band12	5MHz	16QAM	23155	1RB#0	-55.34	PASS
Band12	5MHz	16QAM	23155	1RB#24	-26.24	PASS
Band12	5MHz	16QAM	23155	25RB#0	-32.82	PASS

Band12	10MHz	QPSK	23060	1RB#0	-41.10	PASS
Band12	10MHz	QPSK	23060	1RB#49	-55.46	PASS
Band12	10MHz	QPSK	23060	50RB#0	-34.61	PASS
Band12	10MHz	QPSK	23130	1RB#0	-55.00	PASS
Band12	10MHz	QPSK	23130	1RB#49	-39.38	PASS
Band12	10MHz	QPSK	23130	50RB#0	-34.10	PASS
Band12	10MHz	16QAM	23060	1RB#0	-41.47	PASS
Band12	10MHz	16QAM	23060	1RB#49	-55.22	PASS
Band12	10MHz	16QAM	23130	1RB#0	-54.95	PASS
Band12	10MHz	16QAM	23130	1RB#49	-40.77	PASS

Test Graphs

