

FCC Appendix RF Test Data for LTE Band 12

FCC ID : 2BT4L-M5-CX

Company : Infinity Mobile Limited

EUT : Portable WIFI

Model Number : M5-CX

Report No. : CTA25103000205

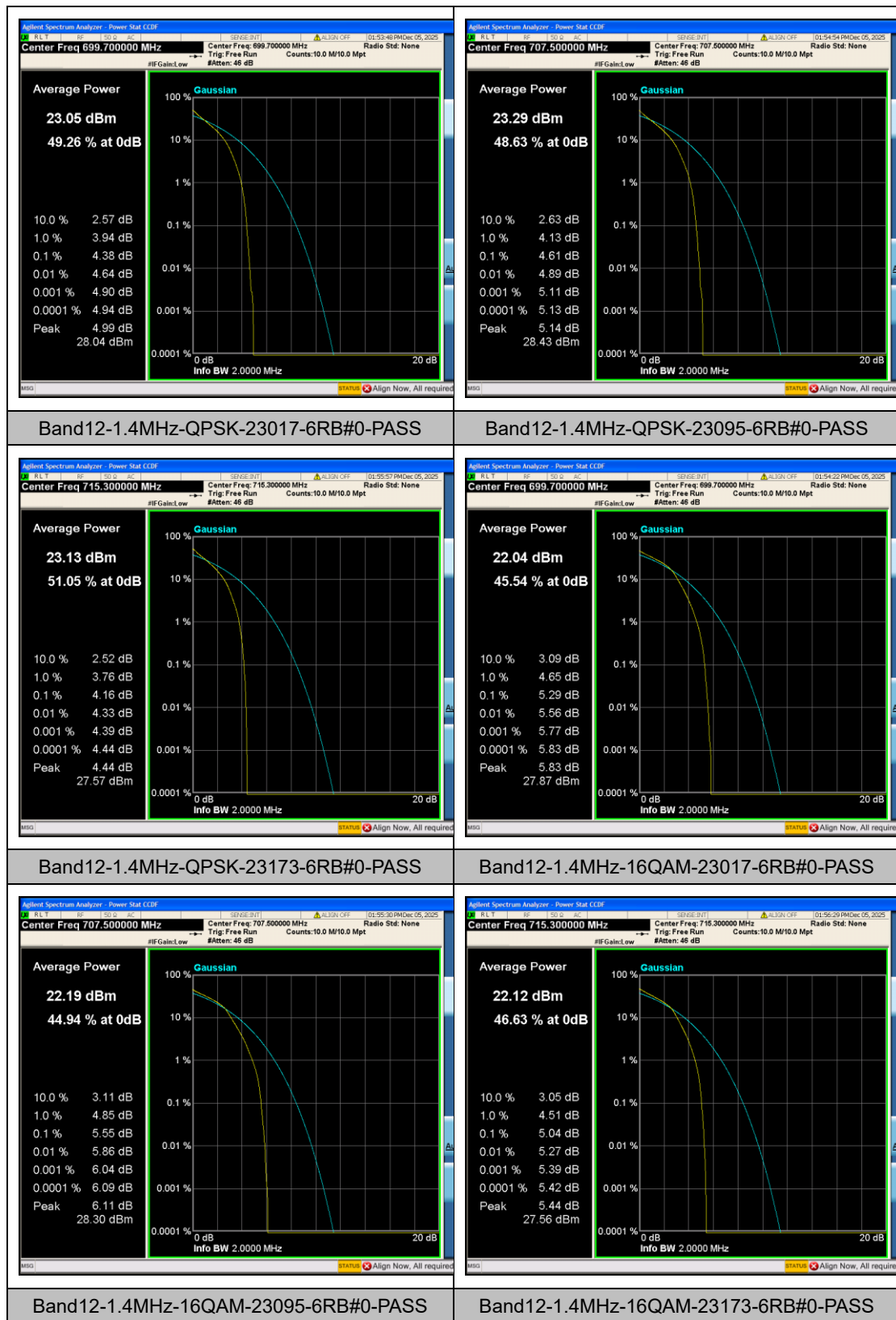
Reviewed By : Eric Wang

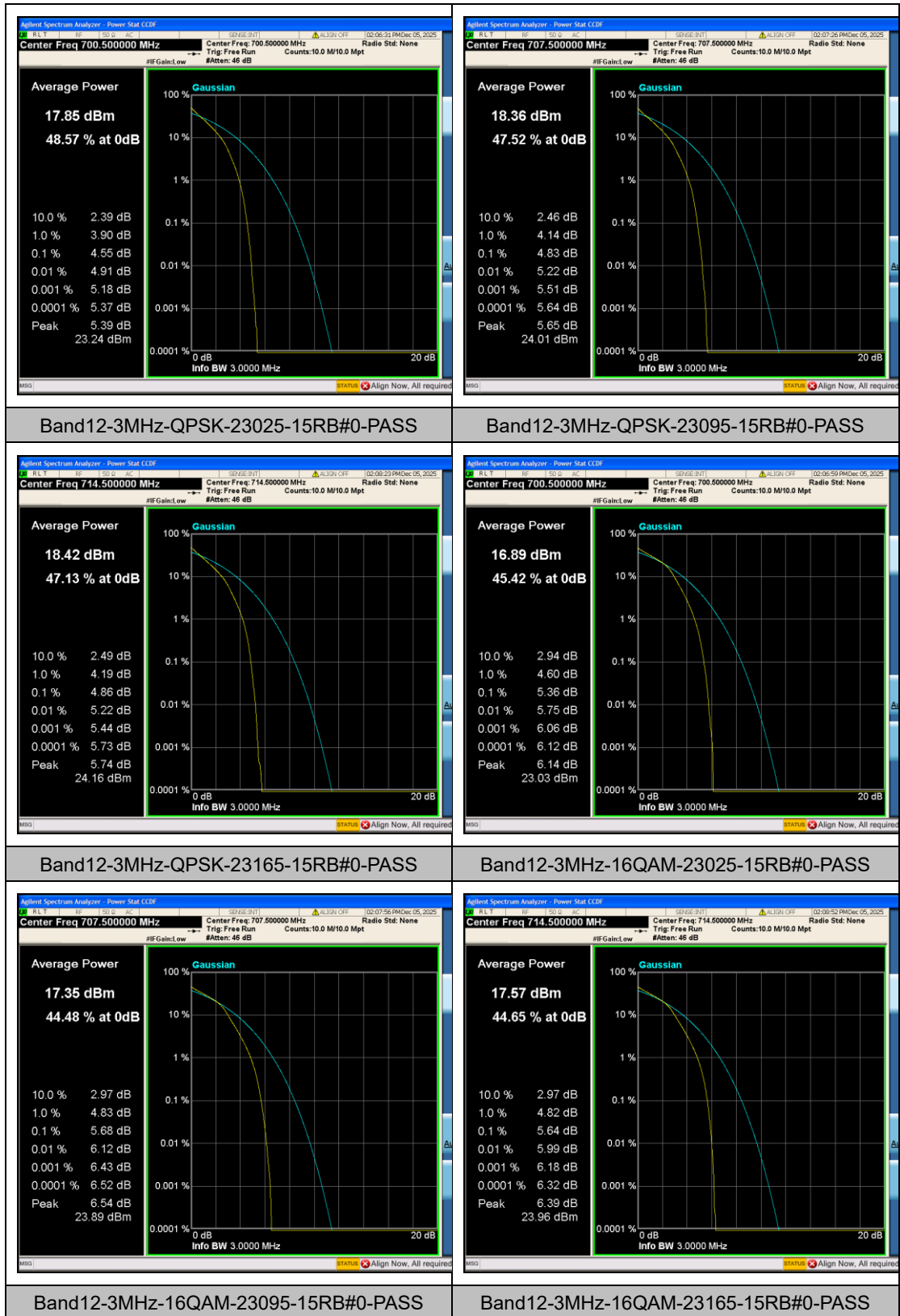
Appendix B: Peak-to-Average Ratio(CCDF)

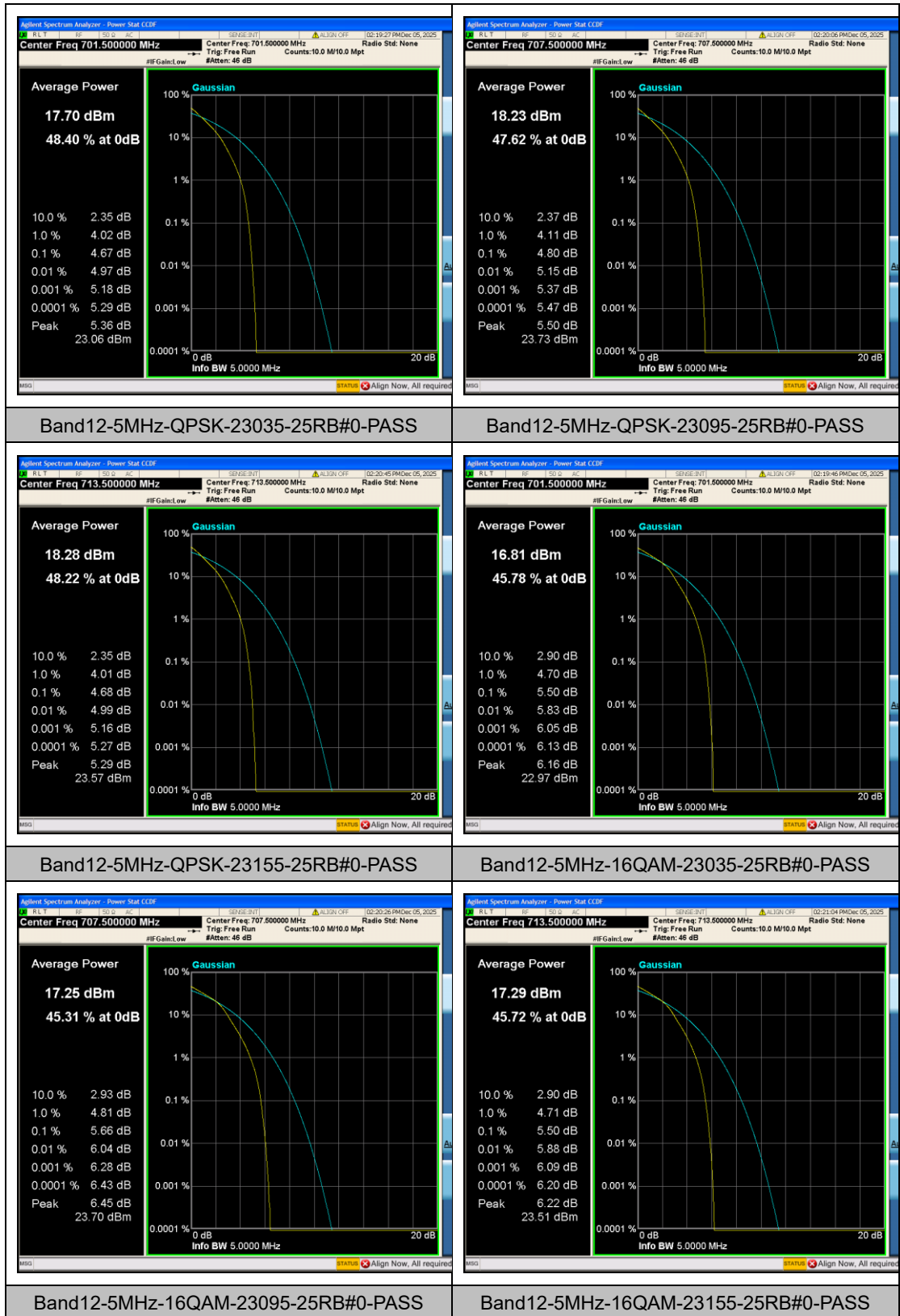
Test Result

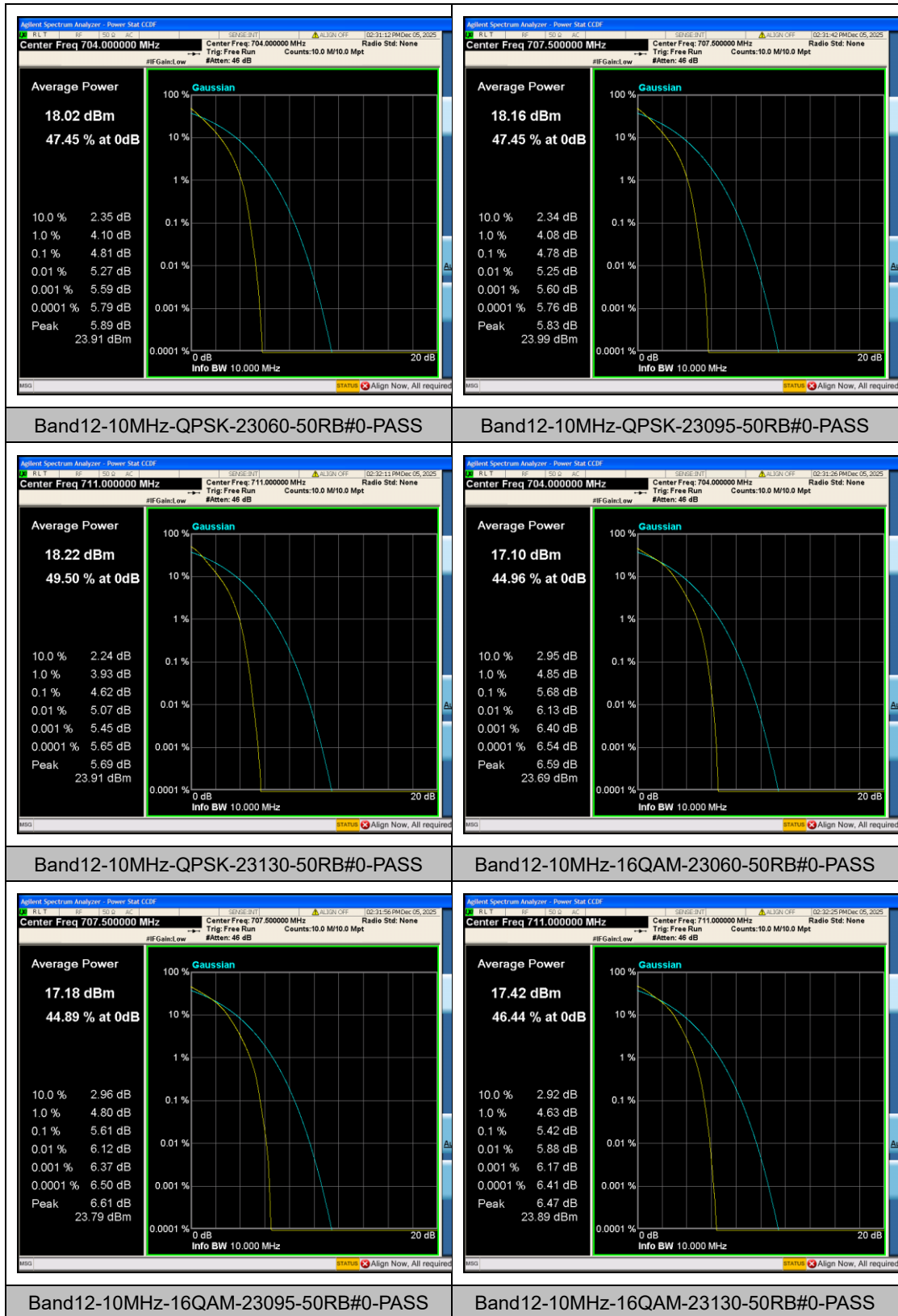
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	4.38	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	4.61	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.16	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.29	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.55	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.04	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.55	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	4.83	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.86	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.36	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.68	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.64	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.67	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.80	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.68	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.50	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.66	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.50	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	4.81	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.78	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.62	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.68	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.61	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.42	13	PASS

Test Graphs







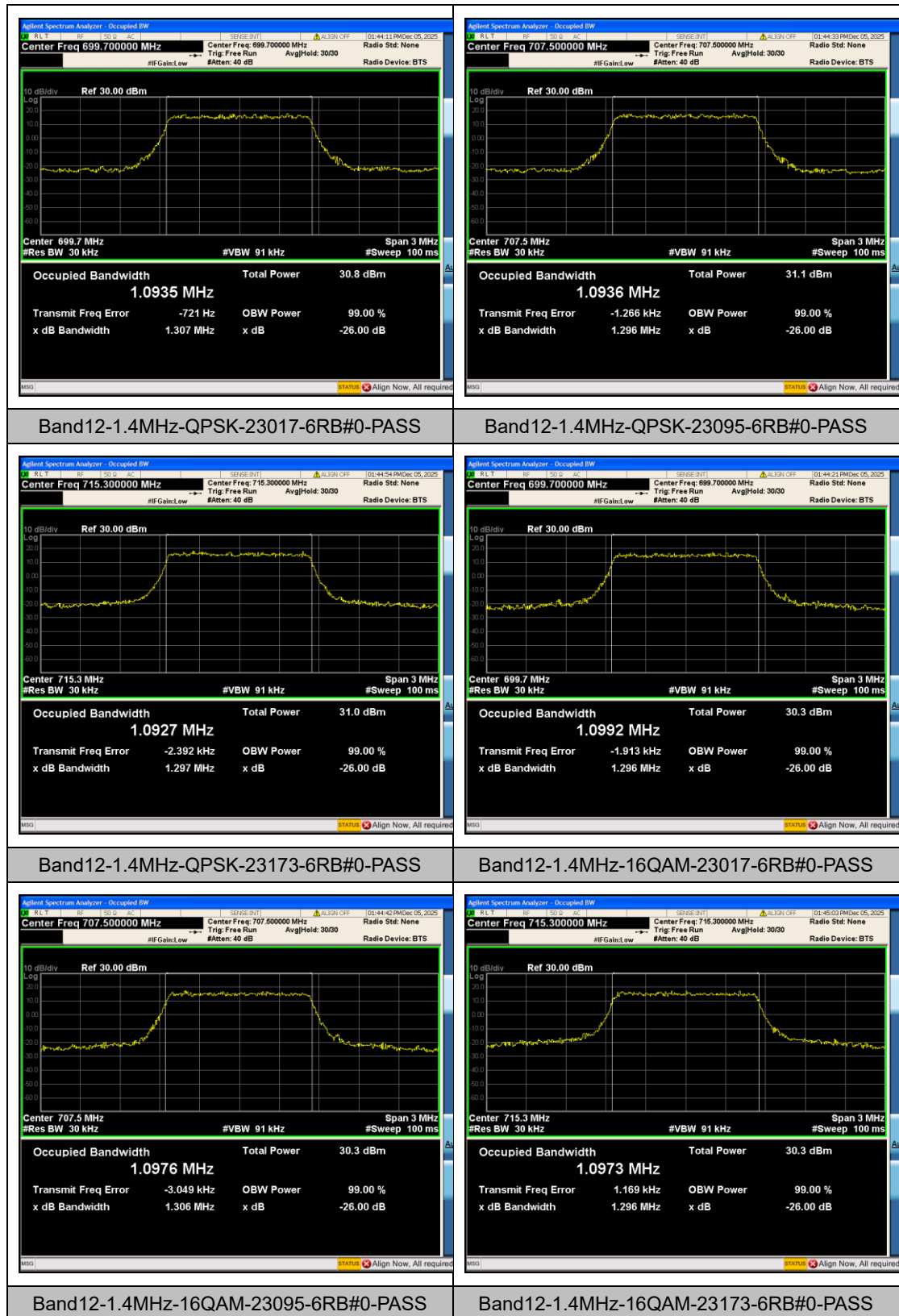


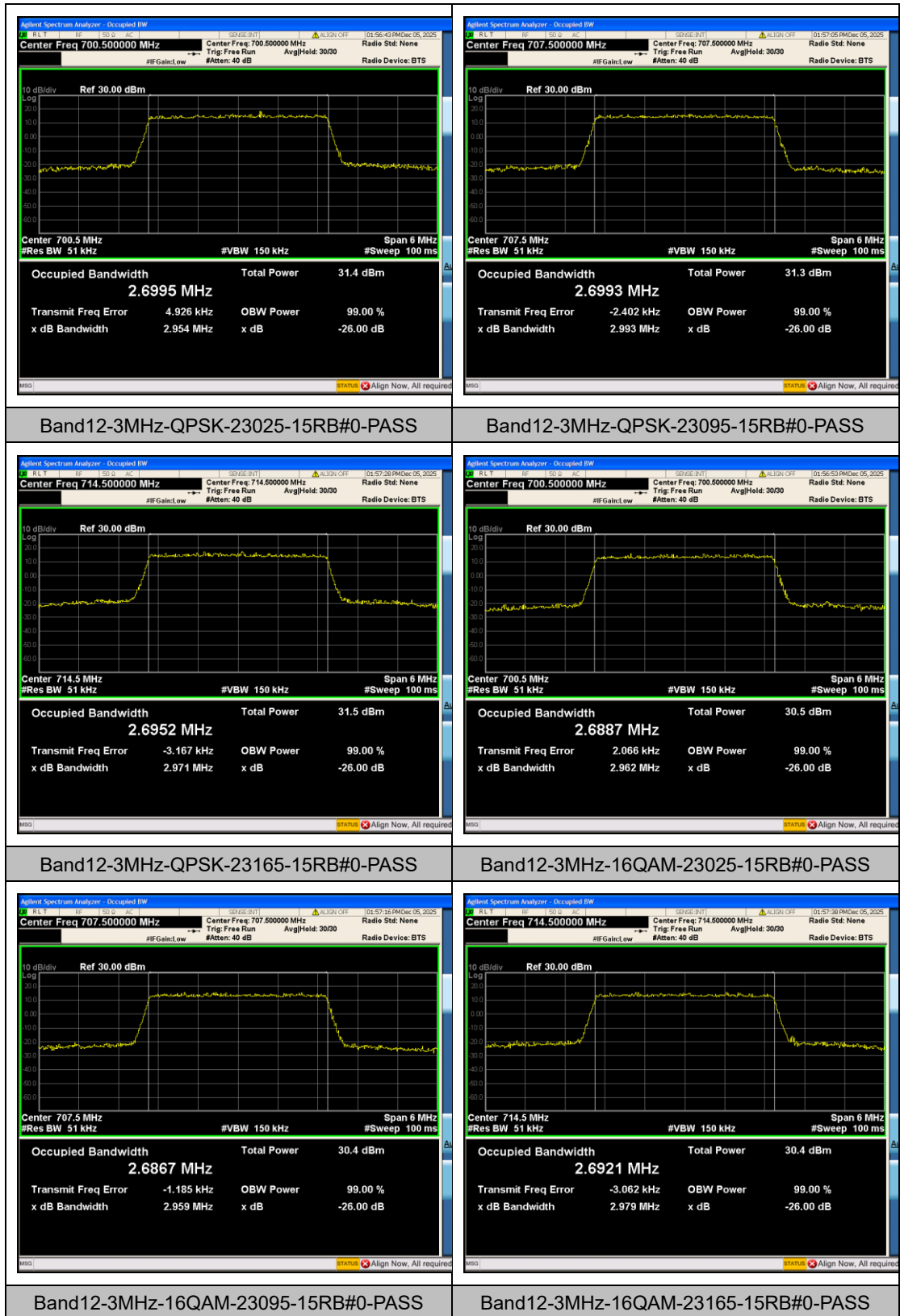
Appendix C: 26dB Bandwidth and Occupied Bandwidth

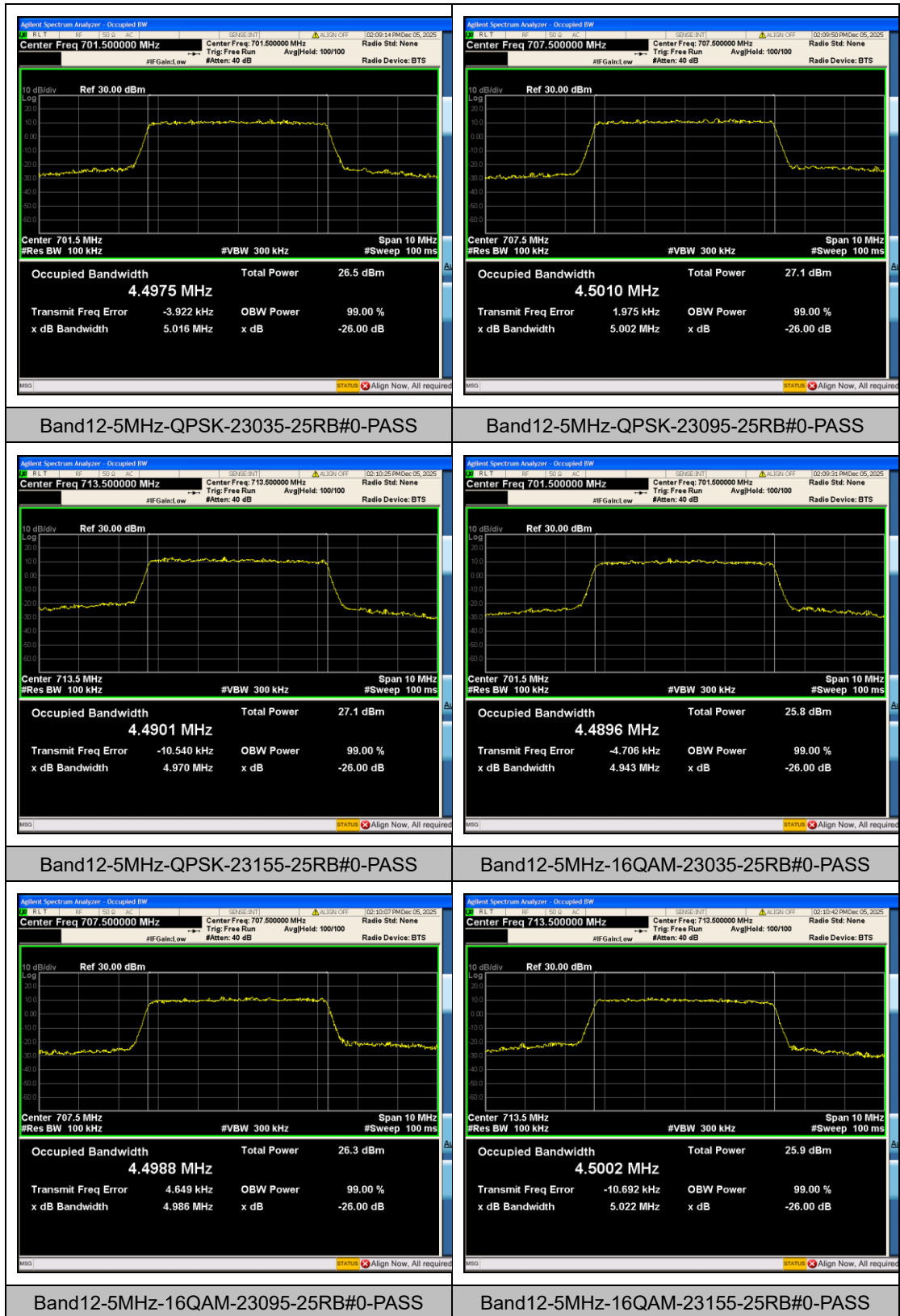
Test Result

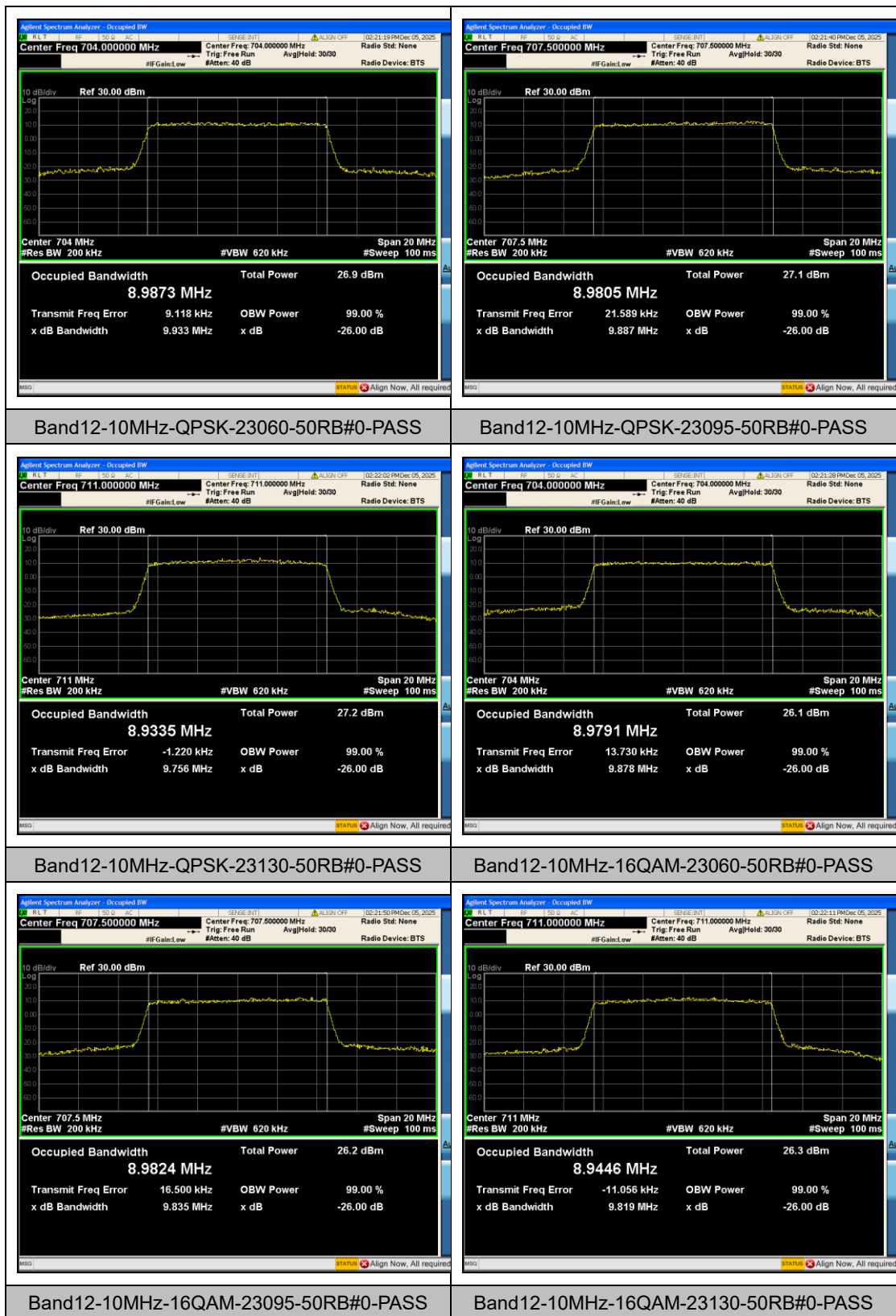
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0935	1.307	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0936	1.296	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0927	1.297	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0992	1.296	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0976	1.306	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0973	1.296	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6995	2.954	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6993	2.993	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6952	2.971	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6887	2.962	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6867	2.959	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6921	2.979	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4975	5.016	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5010	5.002	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4901	4.970	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4896	4.943	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.4988	4.986	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5002	5.022	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9873	9.933	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9805	9.887	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9335	9.756	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9791	9.878	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9824	9.835	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9446	9.819	PASS

Test Graphs







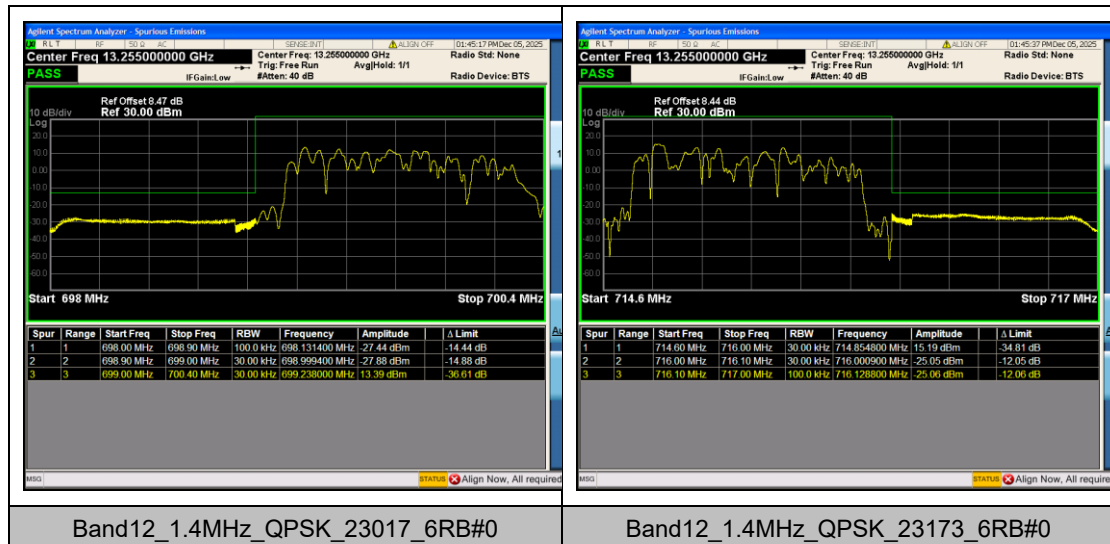


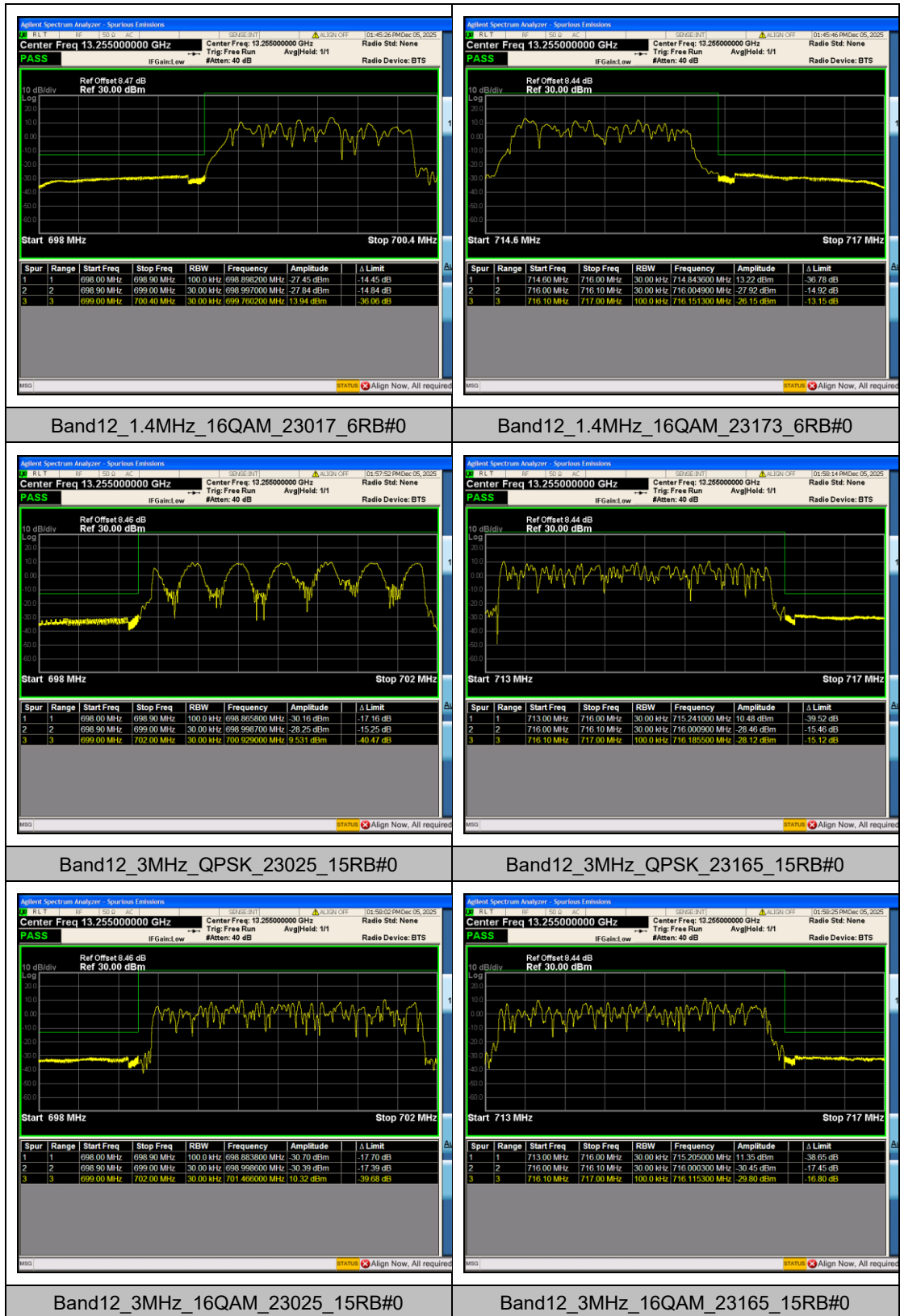
Appendix D: Band Edge

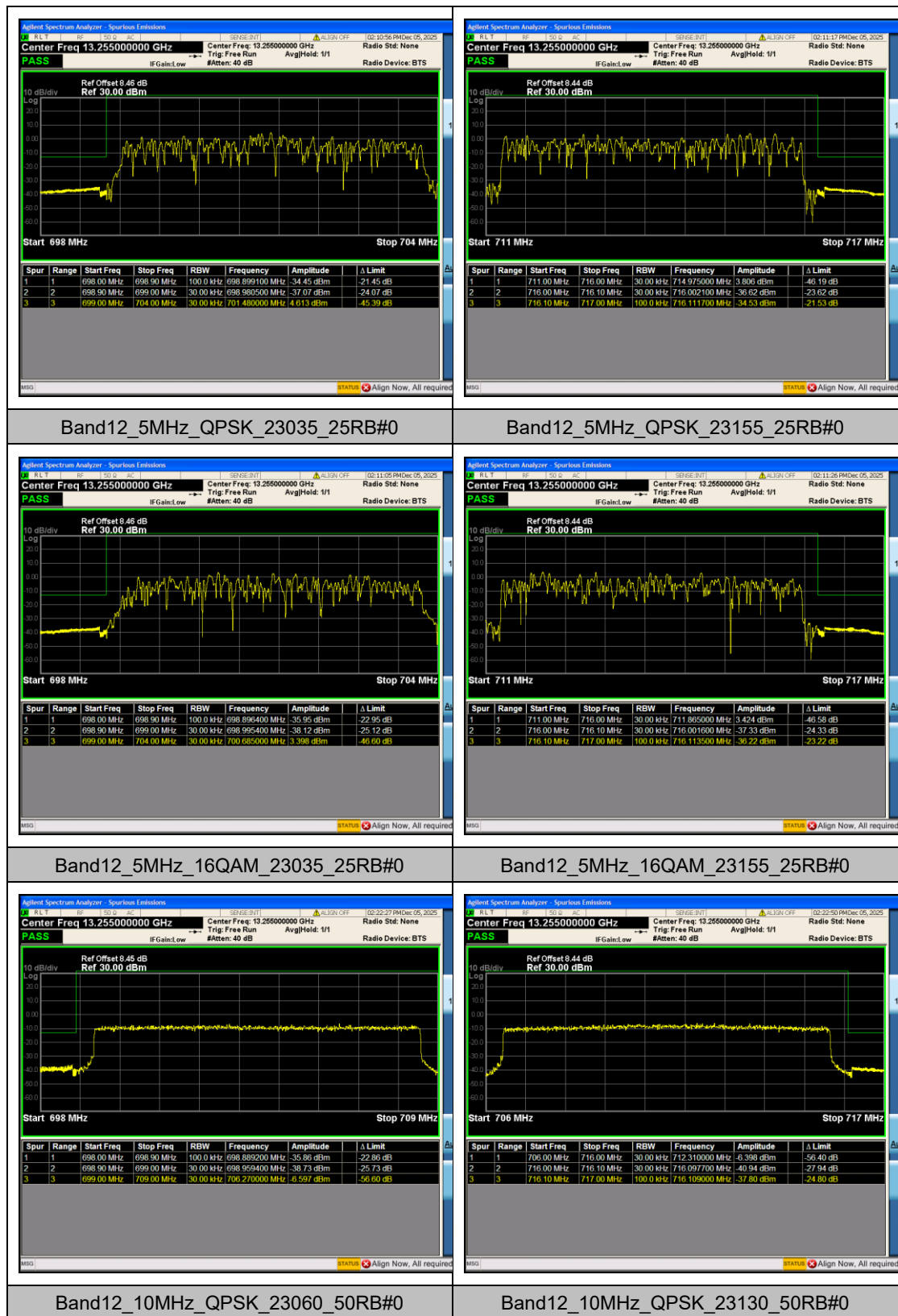
Test Result

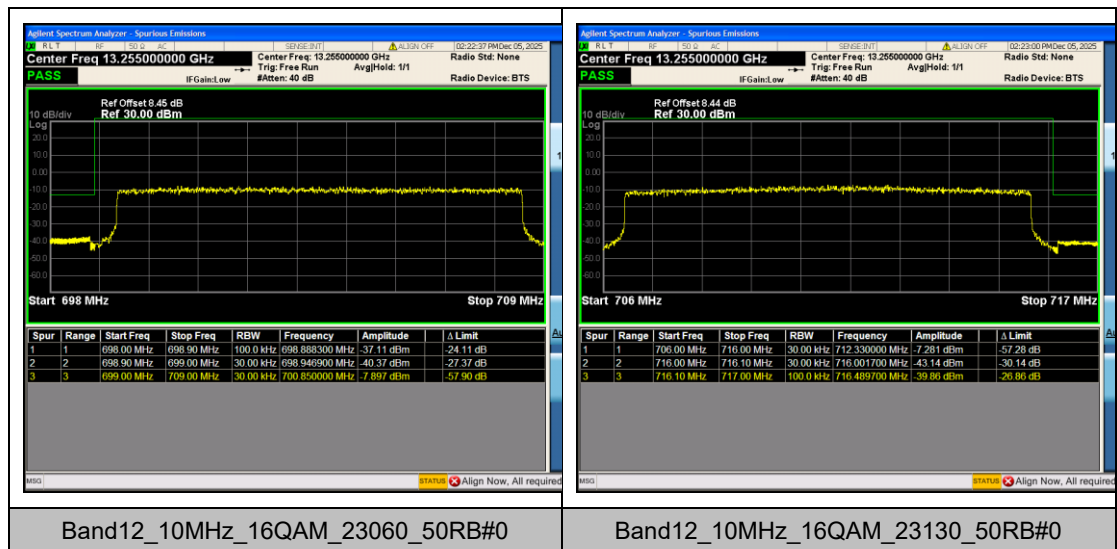
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	-27.44	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-25.05	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-27.45	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-26.15	PASS
Band12	3MHz	QPSK	23025	15RB#0	-28.25	PASS
Band12	3MHz	QPSK	23165	15RB#0	-28.12	PASS
Band12	3MHz	16QAM	23025	15RB#0	-30.39	PASS
Band12	3MHz	16QAM	23165	15RB#0	-29.80	PASS
Band12	5MHz	QPSK	23035	25RB#0	-34.45	PASS
Band12	5MHz	QPSK	23155	25RB#0	-34.53	PASS
Band12	5MHz	16QAM	23035	25RB#0	-35.95	PASS
Band12	5MHz	16QAM	23155	25RB#0	-36.22	PASS
Band12	10MHz	QPSK	23060	50RB#0	-35.86	PASS
Band12	10MHz	QPSK	23130	50RB#0	-37.80	PASS
Band12	10MHz	16QAM	23060	50RB#0	-37.11	PASS
Band12	10MHz	16QAM	23130	50RB#0	-39.86	PASS

Test Graphs









Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	0.009~0.15	-43.53	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	0.15~30	-52.27	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	30~1000	-50.06	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	1000~3000	-46.84	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	3000~10000	-43.54	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	0.009~0.15	-40.41	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	0.15~30	-51.37	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	30~1000	-51.60	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1000~3000	-46.81	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	3000~10000	-43.89	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	0.009~0.15	-39.50	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	0.15~30	-55.77	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	30~1000	-50.84	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1000~3000	-46.47	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	3000~10000	-43.65	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	0.009~0.15	-44.94	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	0.15~30	-52.96	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	30~1000	-53.68	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1000~3000	-46.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	3000~10000	-43.80	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	0.009~0.15	-39.56	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	0.15~30	-53.83	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	30~1000	-52.53	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1000~3000	-46.69	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	3000~10000	-44.12	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	0.009~0.15	-39.35	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	0.15~30	-52.67	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	30~1000	-53.05	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1000~3000	-46.72	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	3000~10000	-43.88	PASS
Band12	3MHz	QPSK	23025	15RB#0	0.009~0.15	-38.95	PASS
Band12	3MHz	QPSK	23025	15RB#0	0.15~30	-55.31	PASS
Band12	3MHz	QPSK	23025	15RB#0	30~1000	-51.42	PASS
Band12	3MHz	QPSK	23025	15RB#0	1000~3000	-46.84	PASS
Band12	3MHz	QPSK	23025	15RB#0	3000~10000	-43.89	PASS
Band12	3MHz	QPSK	23095	15RB#0	0.009~0.15	-40.86	PASS

Band12	3MHz	QPSK	23095	15RB#0	0.15~30	-51.55	PASS
Band12	3MHz	QPSK	23095	15RB#0	30~1000	-51.61	PASS
Band12	3MHz	QPSK	23095	15RB#0	1000~3000	-46.41	PASS
Band12	3MHz	QPSK	23095	15RB#0	3000~10000	-43.81	PASS
Band12	3MHz	QPSK	23165	15RB#0	0.009~0.15	-38.84	PASS
Band12	3MHz	QPSK	23165	15RB#0	0.15~30	-54.50	PASS
Band12	3MHz	QPSK	23165	15RB#0	30~1000	-48.92	PASS
Band12	3MHz	QPSK	23165	15RB#0	1000~3000	-46.72	PASS
Band12	3MHz	QPSK	23165	15RB#0	3000~10000	-44.08	PASS
Band12	3MHz	16QAM	23025	15RB#0	0.009~0.15	-40.03	PASS
Band12	3MHz	16QAM	23025	15RB#0	0.15~30	-51.76	PASS
Band12	3MHz	16QAM	23025	15RB#0	30~1000	-51.87	PASS
Band12	3MHz	16QAM	23025	15RB#0	1000~3000	-47.05	PASS
Band12	3MHz	16QAM	23025	15RB#0	3000~10000	-44.17	PASS
Band12	3MHz	16QAM	23095	15RB#0	0.009~0.15	-40.85	PASS
Band12	3MHz	16QAM	23095	15RB#0	0.15~30	-52.69	PASS
Band12	3MHz	16QAM	23095	15RB#0	30~1000	-52.95	PASS
Band12	3MHz	16QAM	23095	15RB#0	1000~3000	-46.21	PASS
Band12	3MHz	16QAM	23095	15RB#0	3000~10000	-43.91	PASS
Band12	3MHz	16QAM	23165	15RB#0	0.009~0.15	-41.87	PASS
Band12	3MHz	16QAM	23165	15RB#0	0.15~30	-51.13	PASS
Band12	3MHz	16QAM	23165	15RB#0	30~1000	-52.70	PASS
Band12	3MHz	16QAM	23165	15RB#0	1000~3000	-46.90	PASS
Band12	3MHz	16QAM	23165	15RB#0	3000~10000	-43.97	PASS
Band12	5MHz	QPSK	23035	25RB#0	0.009~0.15	-44.34	PASS
Band12	5MHz	QPSK	23035	25RB#0	0.15~30	-53.24	PASS
Band12	5MHz	QPSK	23035	25RB#0	30~1000	-58.41	PASS
Band12	5MHz	QPSK	23035	25RB#0	1000~3000	-46.85	PASS
Band12	5MHz	QPSK	23035	25RB#0	3000~10000	-44.17	PASS
Band12	5MHz	QPSK	23095	25RB#0	0.009~0.15	-40.24	PASS
Band12	5MHz	QPSK	23095	25RB#0	0.15~30	-52.02	PASS
Band12	5MHz	QPSK	23095	25RB#0	30~1000	-56.70	PASS
Band12	5MHz	QPSK	23095	25RB#0	1000~3000	-46.14	PASS
Band12	5MHz	QPSK	23095	25RB#0	3000~10000	-43.07	PASS
Band12	5MHz	QPSK	23155	25RB#0	0.009~0.15	-41.17	PASS
Band12	5MHz	QPSK	23155	25RB#0	0.15~30	-52.05	PASS
Band12	5MHz	QPSK	23155	25RB#0	30~1000	-57.32	PASS
Band12	5MHz	QPSK	23155	25RB#0	1000~3000	-46.84	PASS
Band12	5MHz	QPSK	23155	25RB#0	3000~10000	-43.90	PASS
Band12	5MHz	16QAM	23035	25RB#0	0.009~0.15	-41.10	PASS
Band12	5MHz	16QAM	23035	25RB#0	0.15~30	-51.25	PASS
Band12	5MHz	16QAM	23035	25RB#0	30~1000	-59.40	PASS
Band12	5MHz	16QAM	23035	25RB#0	1000~3000	-46.78	PASS

Band12	5MHz	16QAM	23035	25RB#0	3000~10000	-41.47	PASS
Band12	5MHz	16QAM	23095	25RB#0	0.009~0.15	-40.97	PASS
Band12	5MHz	16QAM	23095	25RB#0	0.15~30	-51.44	PASS
Band12	5MHz	16QAM	23095	25RB#0	30~1000	-57.98	PASS
Band12	5MHz	16QAM	23095	25RB#0	1000~3000	-40.22	PASS
Band12	5MHz	16QAM	23095	25RB#0	3000~10000	-43.92	PASS
Band12	5MHz	16QAM	23155	25RB#0	0.009~0.15	-39.62	PASS
Band12	5MHz	16QAM	23155	25RB#0	0.15~30	-52.65	PASS
Band12	5MHz	16QAM	23155	25RB#0	30~1000	-58.97	PASS
Band12	5MHz	16QAM	23155	25RB#0	1000~3000	-37.20	PASS
Band12	5MHz	16QAM	23155	25RB#0	3000~10000	-43.95	PASS
Band12	10MHz	QPSK	23060	50RB#0	0.009~0.15	-40.26	PASS
Band12	10MHz	QPSK	23060	50RB#0	0.15~30	-53.23	PASS
Band12	10MHz	QPSK	23060	50RB#0	30~1000	-61.63	PASS
Band12	10MHz	QPSK	23060	50RB#0	1000~3000	-43.86	PASS
Band12	10MHz	QPSK	23060	50RB#0	3000~10000	-44.13	PASS
Band12	10MHz	QPSK	23095	50RB#0	0.009~0.15	-42.26	PASS
Band12	10MHz	QPSK	23095	50RB#0	0.15~30	-52.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	30~1000	-61.63	PASS
Band12	10MHz	QPSK	23095	50RB#0	1000~3000	-38.72	PASS
Band12	10MHz	QPSK	23095	50RB#0	3000~10000	-44.32	PASS
Band12	10MHz	QPSK	23130	50RB#0	0.009~0.15	-40.47	PASS
Band12	10MHz	QPSK	23130	50RB#0	0.15~30	-52.97	PASS
Band12	10MHz	QPSK	23130	50RB#0	30~1000	-60.99	PASS
Band12	10MHz	QPSK	23130	50RB#0	1000~3000	-39.72	PASS
Band12	10MHz	QPSK	23130	50RB#0	3000~10000	-44.02	PASS
Band12	10MHz	16QAM	23060	50RB#0	0.009~0.15	-42.68	PASS
Band12	10MHz	16QAM	23060	50RB#0	0.15~30	-51.66	PASS
Band12	10MHz	16QAM	23060	50RB#0	30~1000	-61.34	PASS
Band12	10MHz	16QAM	23060	50RB#0	1000~3000	-45.81	PASS
Band12	10MHz	16QAM	23060	50RB#0	3000~10000	-43.61	PASS
Band12	10MHz	16QAM	23095	50RB#0	0.009~0.15	-41.58	PASS
Band12	10MHz	16QAM	23095	50RB#0	0.15~30	-53.05	PASS
Band12	10MHz	16QAM	23095	50RB#0	30~1000	-60.09	PASS
Band12	10MHz	16QAM	23095	50RB#0	1000~3000	-47.06	PASS
Band12	10MHz	16QAM	23095	50RB#0	3000~10000	-44.08	PASS
Band12	10MHz	16QAM	23130	50RB#0	0.009~0.15	-41.08	PASS
Band12	10MHz	16QAM	23130	50RB#0	0.15~30	-52.27	PASS
Band12	10MHz	16QAM	23130	50RB#0	30~1000	-61.28	PASS
Band12	10MHz	16QAM	23130	50RB#0	1000~3000	-44.15	PASS
Band12	10MHz	16QAM	23130	50RB#0	3000~10000	-44.26	PASS

Test Graphs

