

FCC Appendix RF Test Data for LTE

FCC ID : 2AU3D-RCAPRIME

Company: : United Creation Technology Corp.,Ltd

EUT : 4G smart phone

Model Number : Prime

Report No. : CTA25040200707

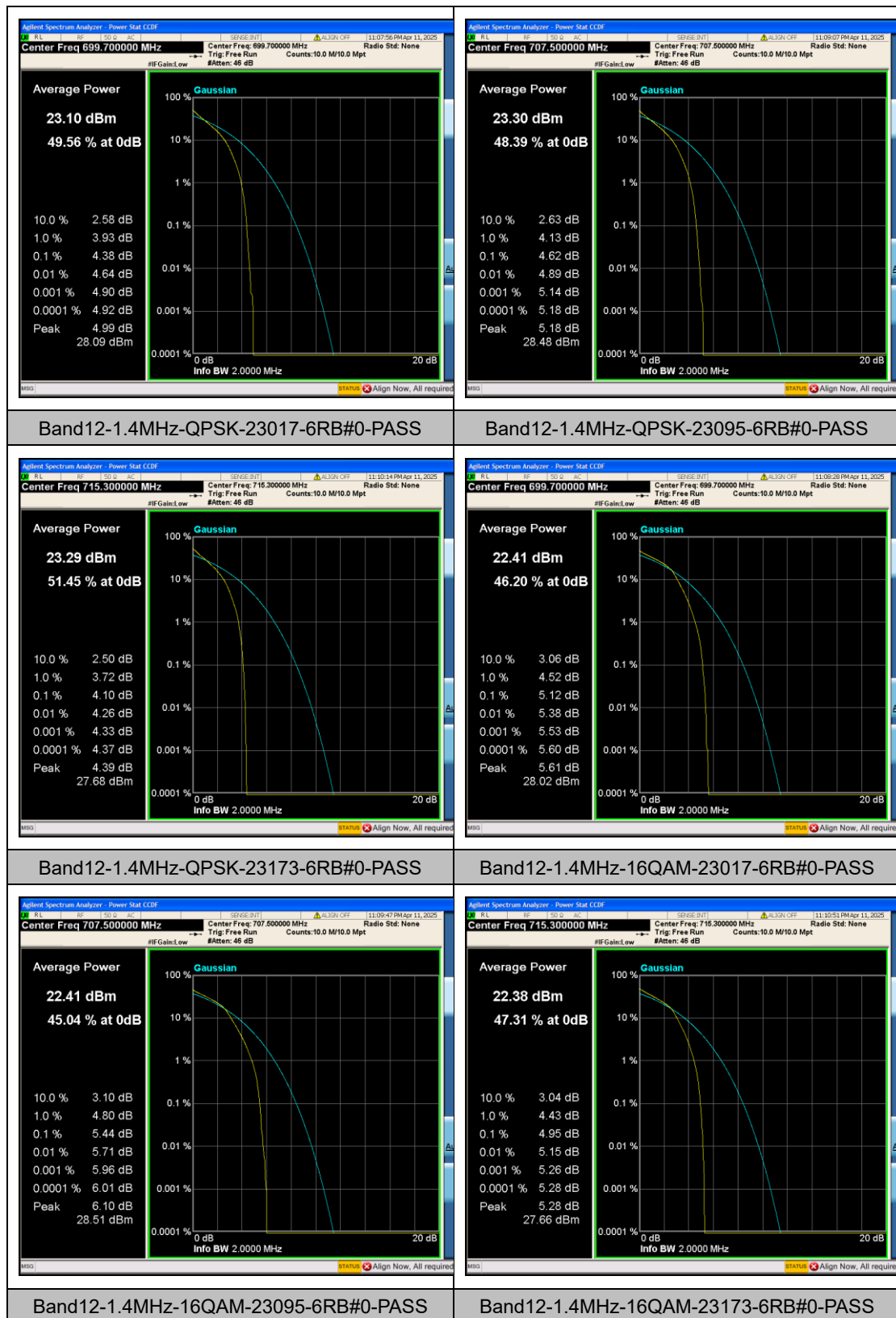
Reviewed By : Eric Wang

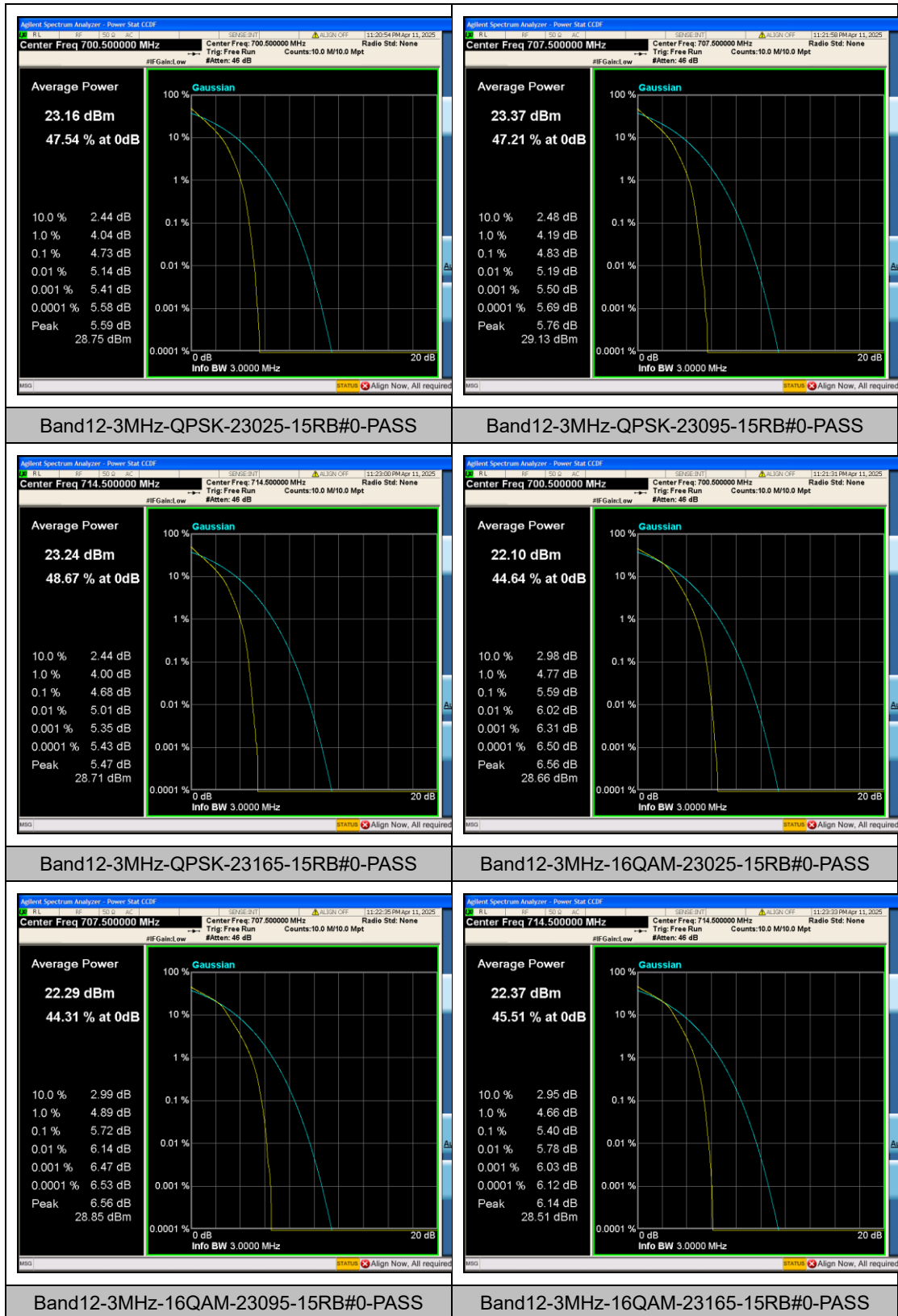
Appendix B: Peak-to-Average Ratio(CCDF)

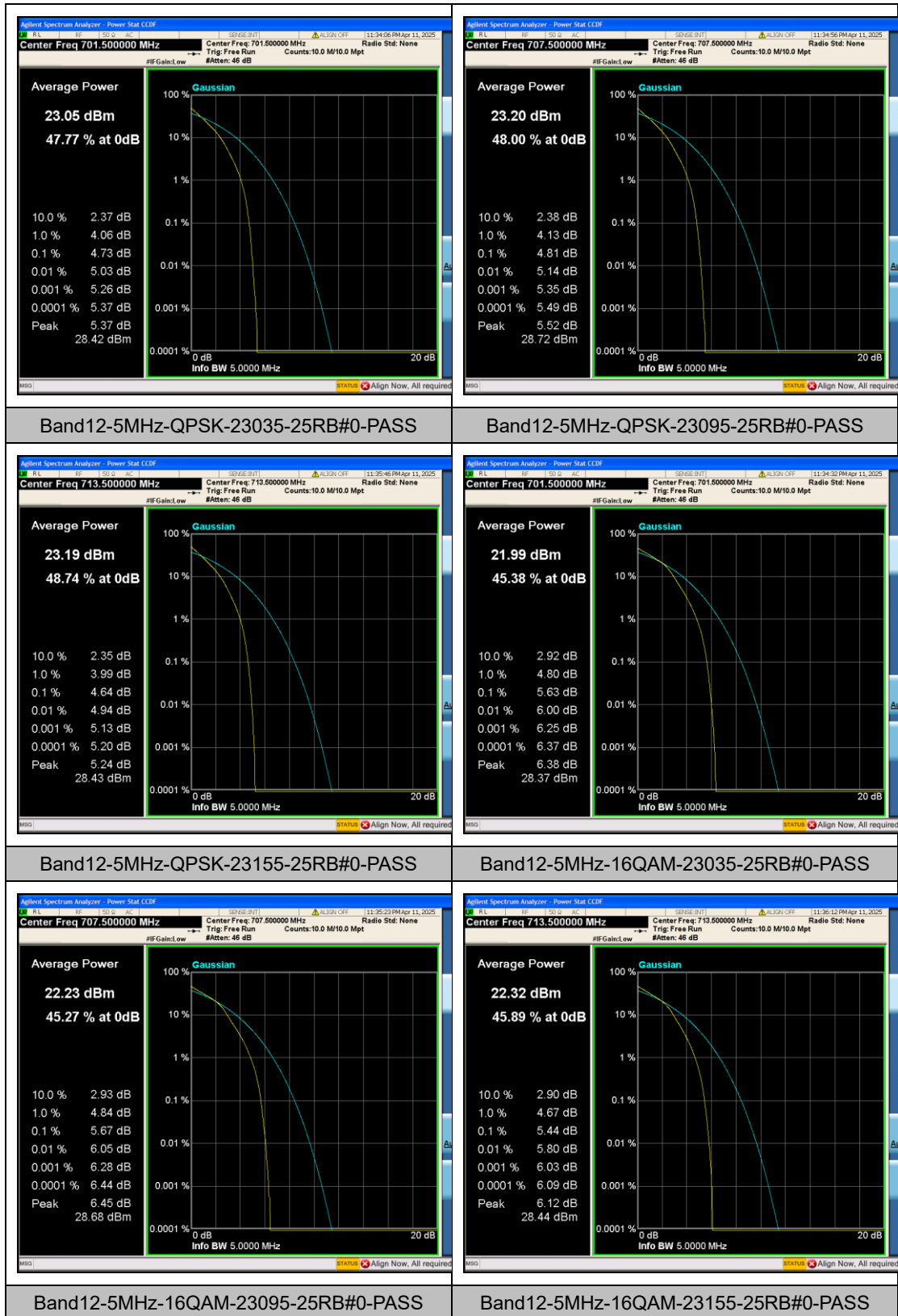
Test Result

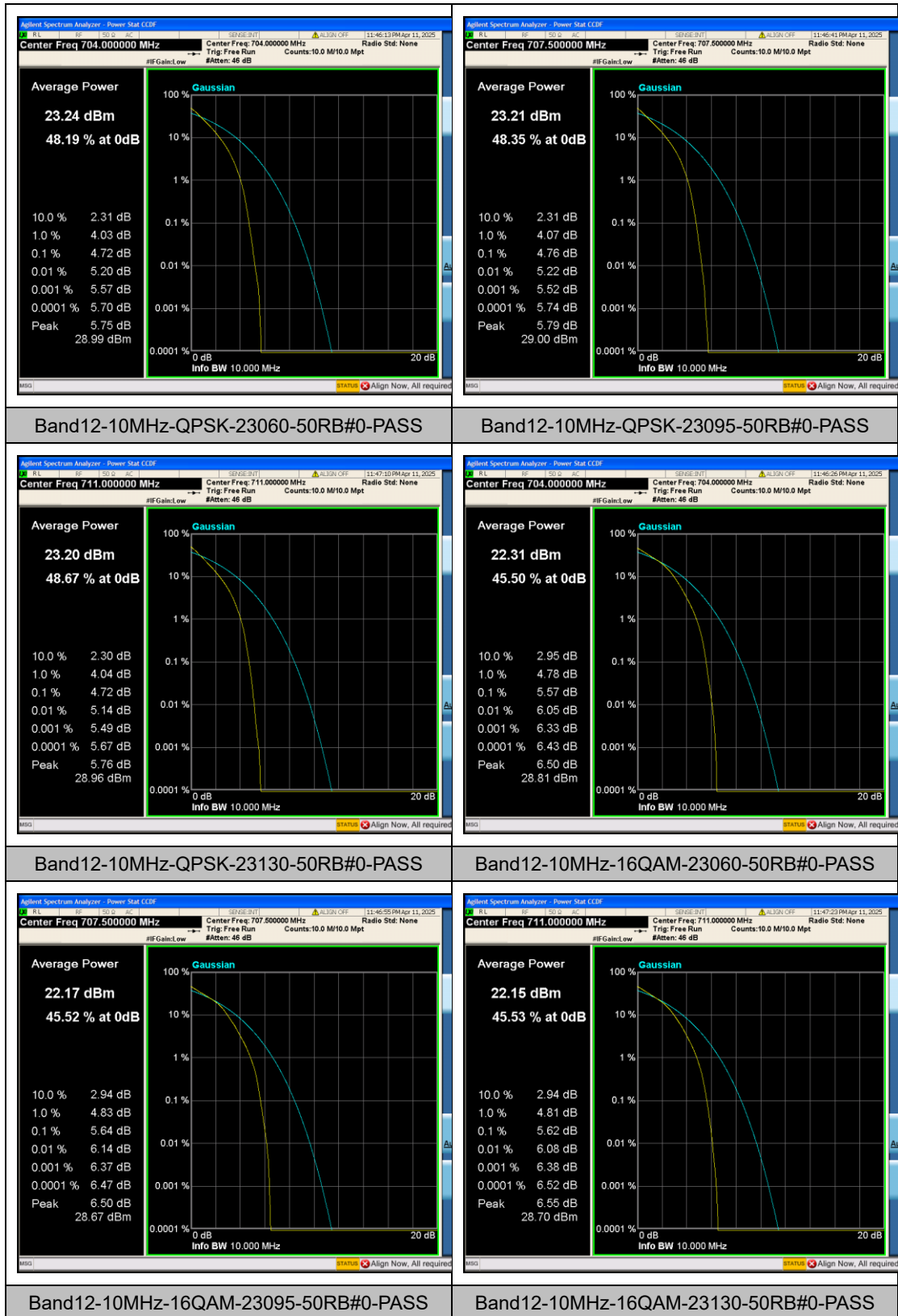
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	4.38	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	4.62	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.10	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.12	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.44	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	4.95	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	4.73	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	4.83	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.68	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.59	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.72	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.40	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.73	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.81	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.64	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.63	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.67	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.44	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	4.72	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.76	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.72	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.57	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.64	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.62	13	PASS

Test Graphs







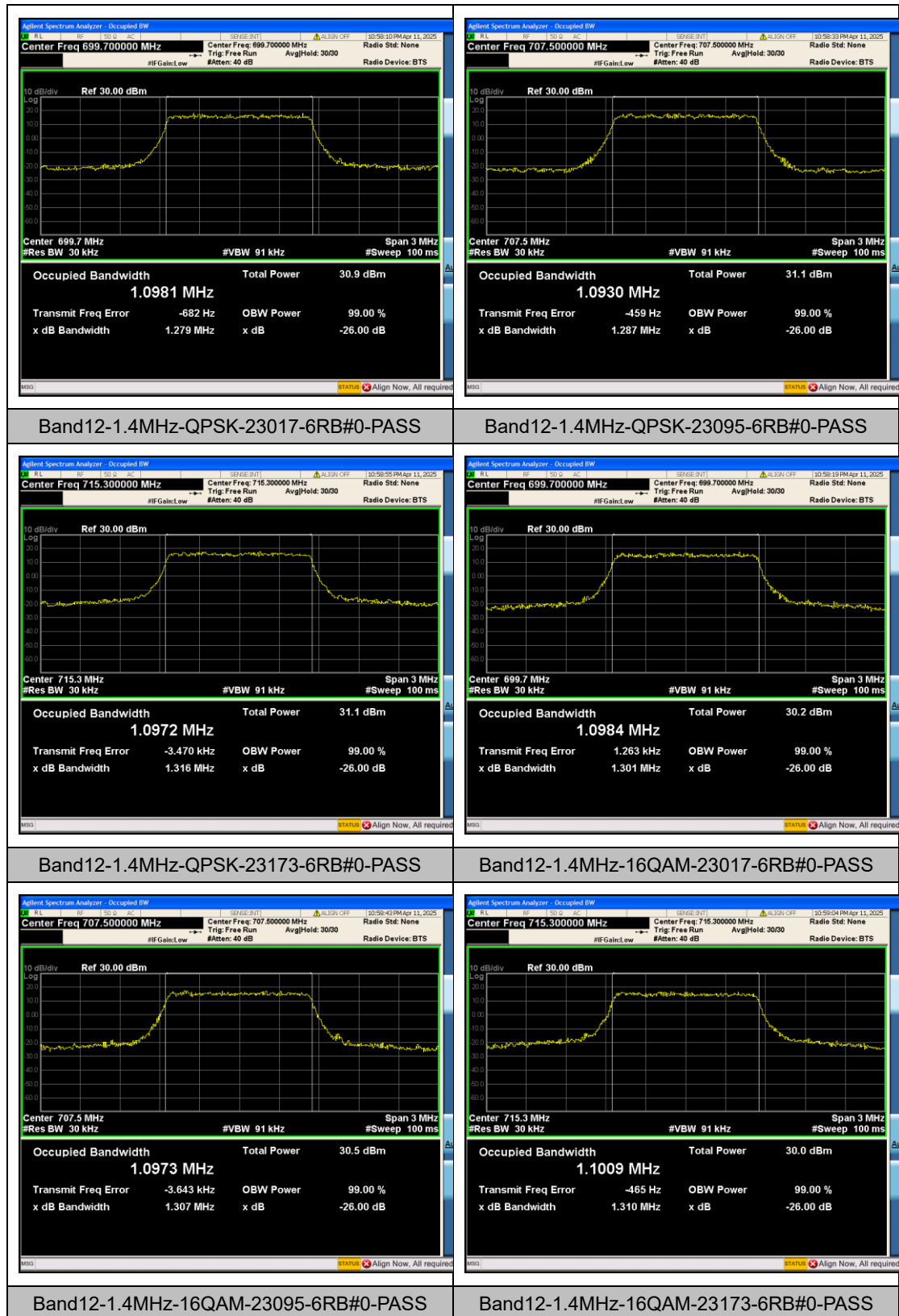


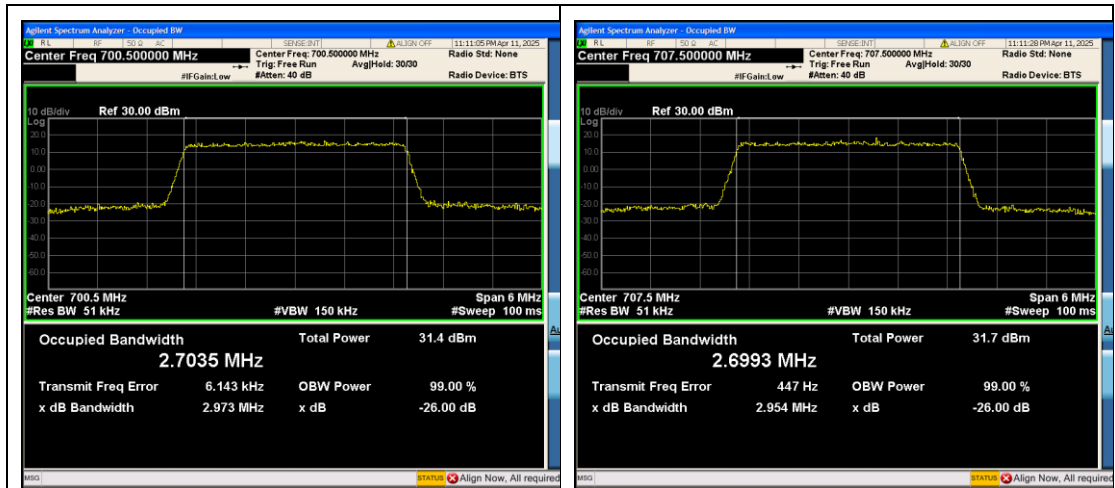
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0981	1.279	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0930	1.287	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0972	1.316	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0984	1.301	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0973	1.307	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1009	1.310	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.7035	2.973	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6993	2.954	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6955	2.957	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6880	2.975	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6891	2.974	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6945	2.978	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5023	4.996	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5008	5.009	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.4869	4.977	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.4943	4.961	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.4960	4.963	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5004	4.994	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9505	9.864	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9667	9.907	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9742	9.877	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9592	9.844	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9661	9.843	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9584	9.883	PASS

Test Graphs





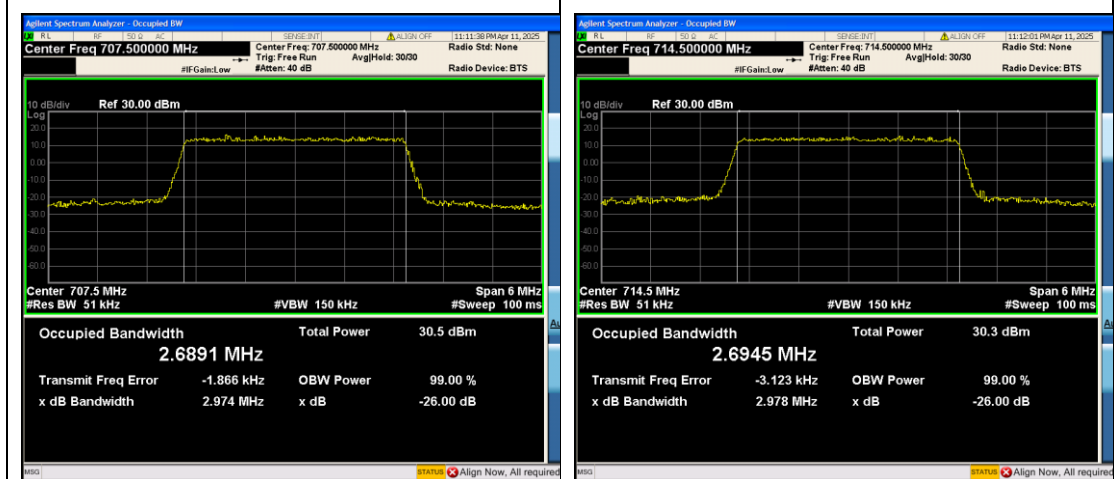
Band12-3MHz-QPSK-23025-15RB#0-PASS

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



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

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



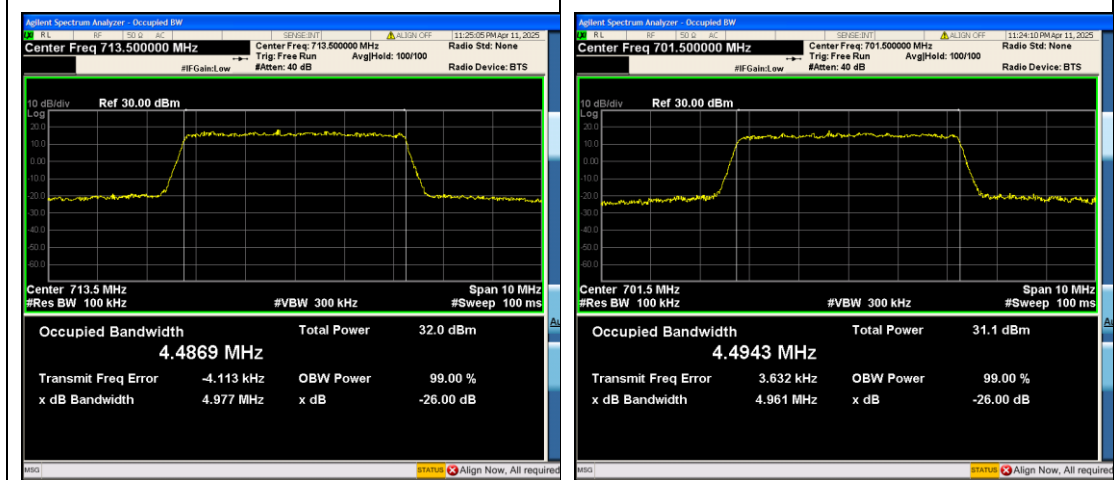
Band12-3MHz-16QAM-23095-15RB#0-PASS

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



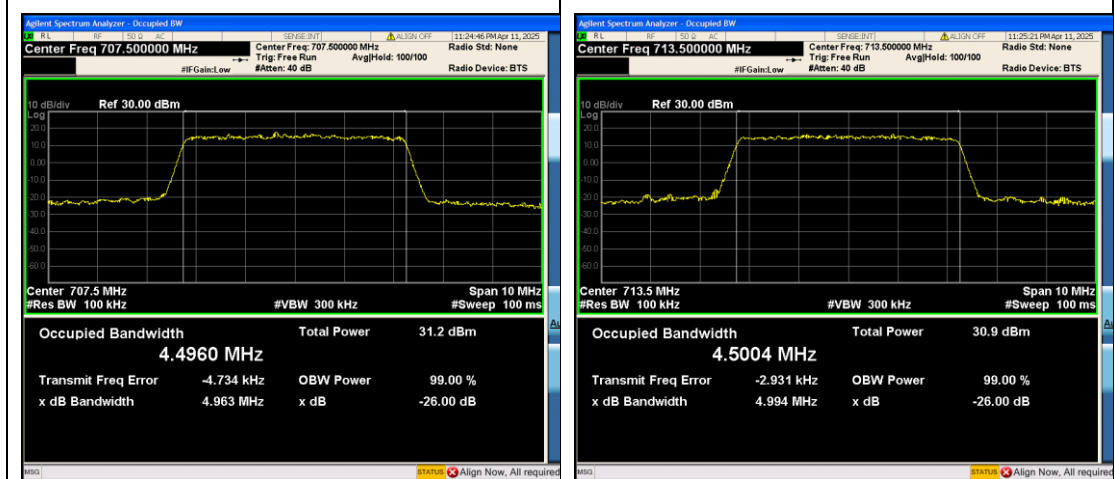
Band12-5MHz-QPSK-23035-25RB#0-PASS

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



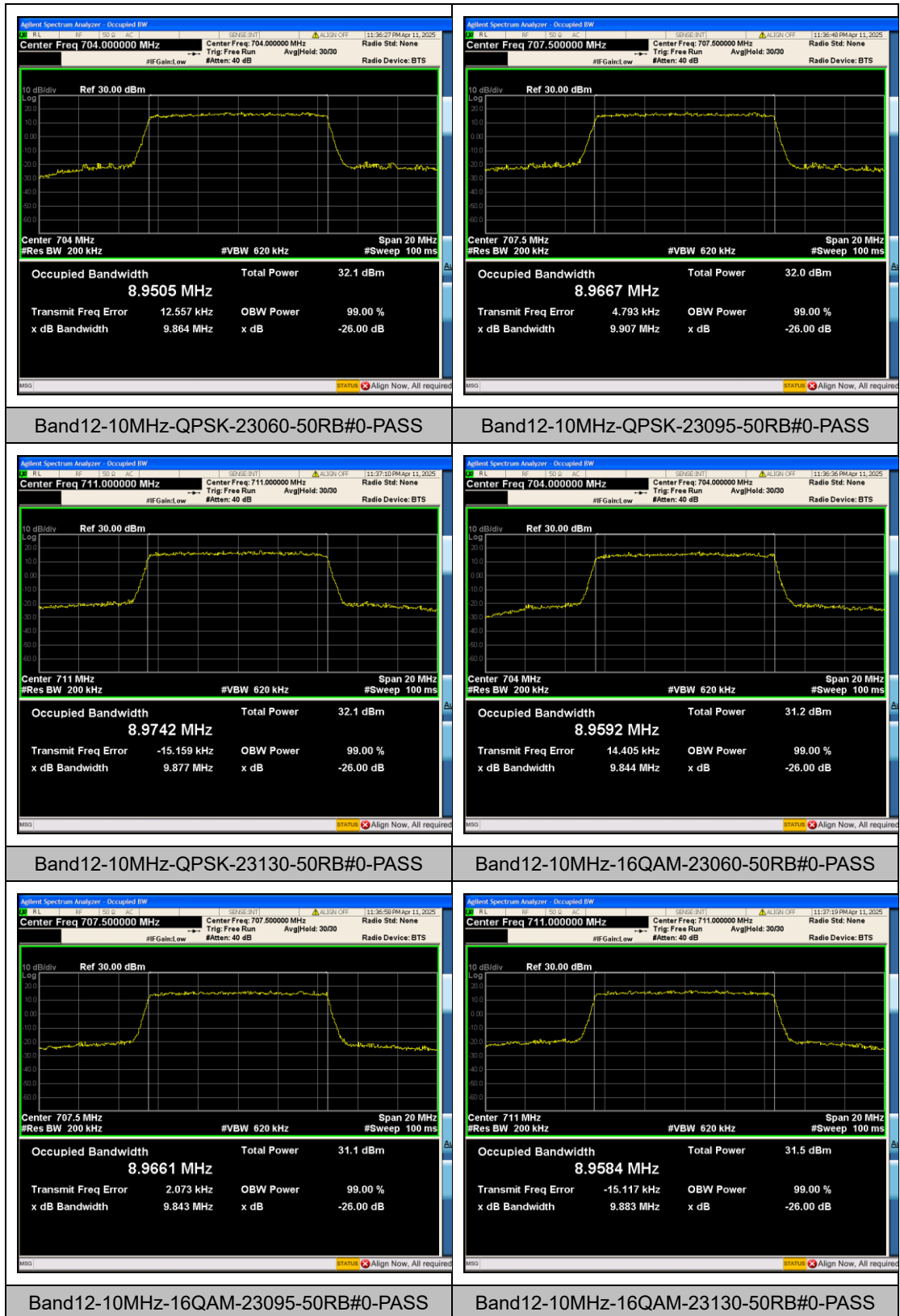
Band12-5MHz-QPSK-23155-25RB#0-PASS

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



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

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

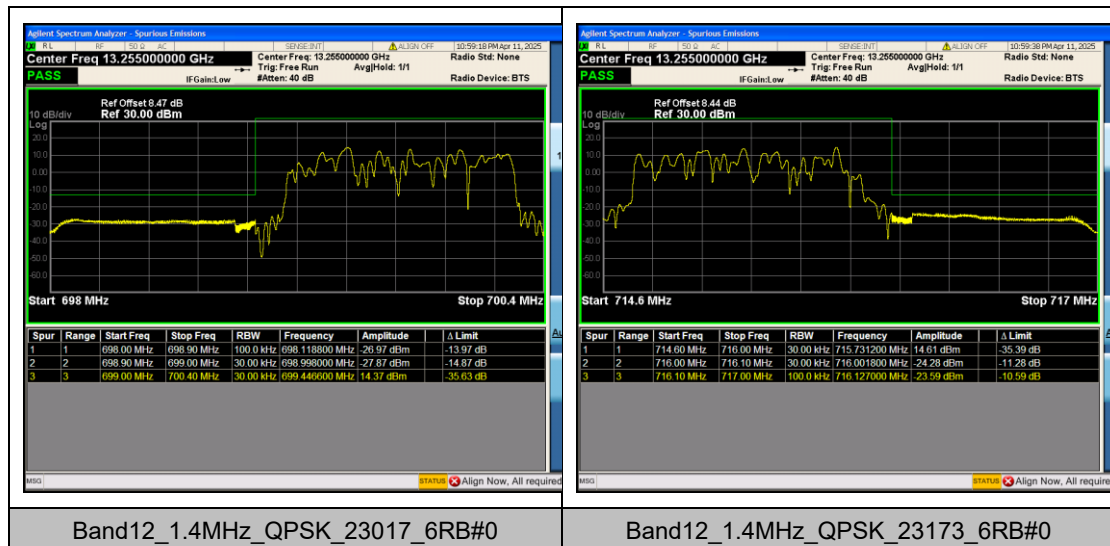


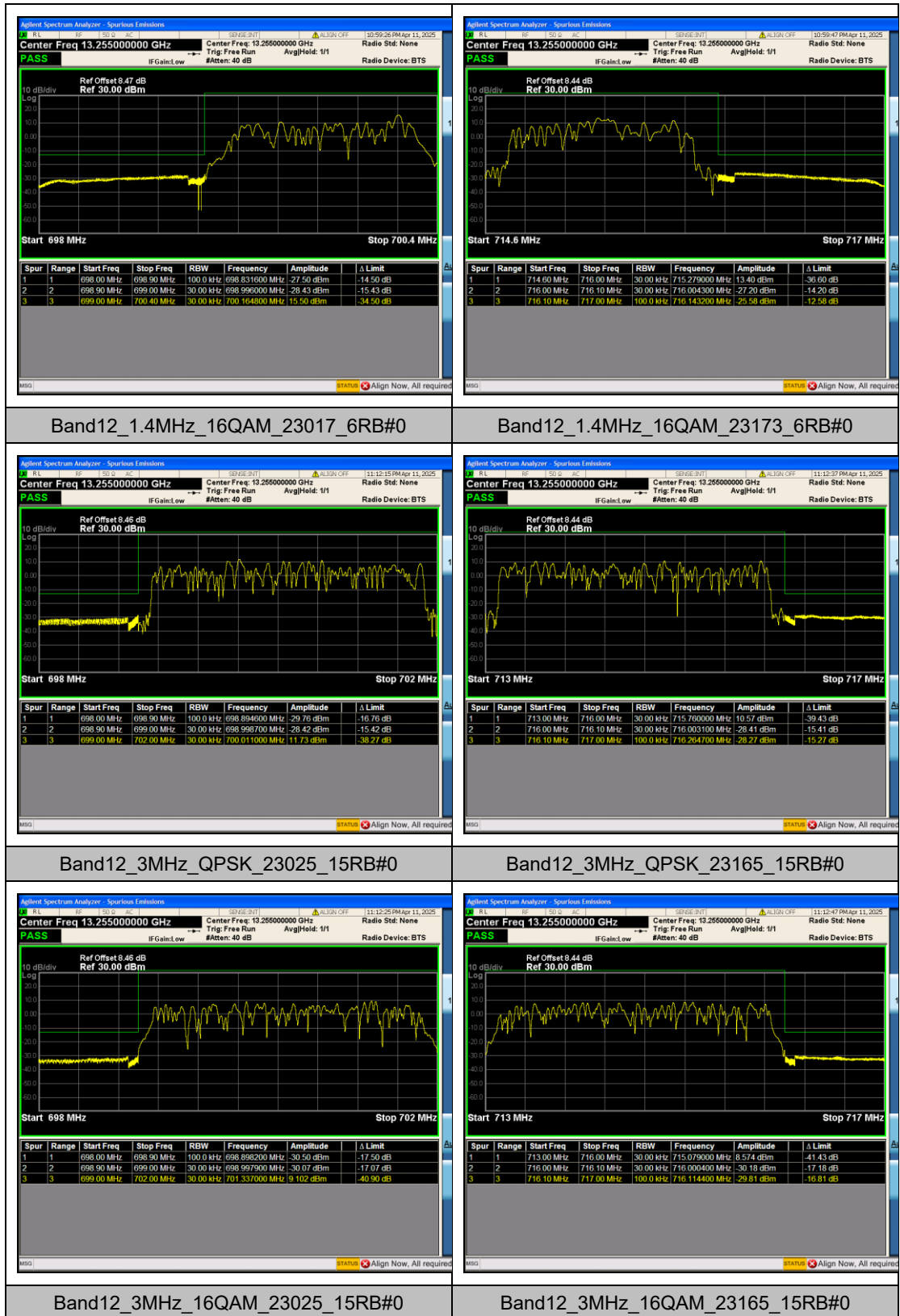
Appendix D: Band Edge

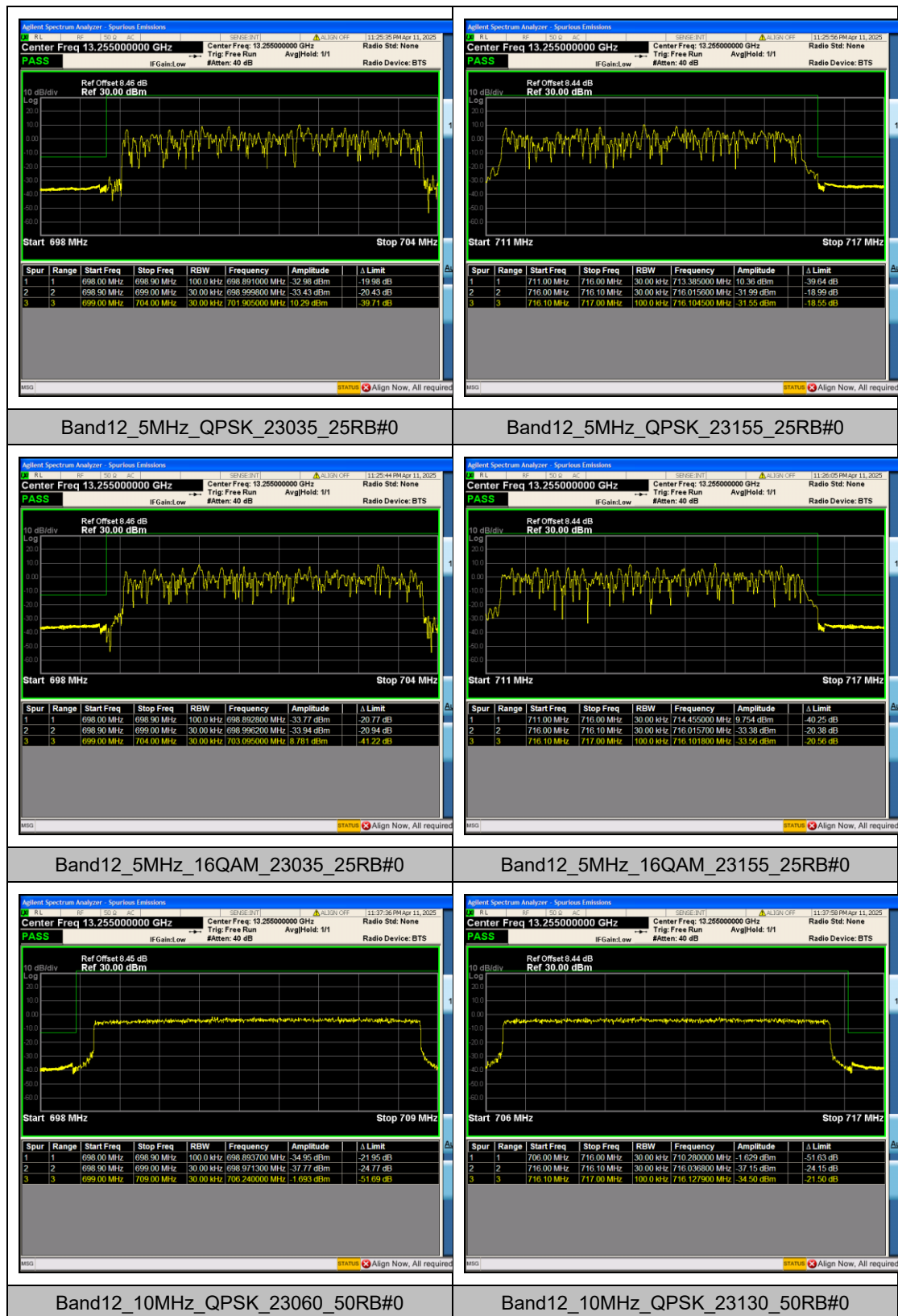
Test Result

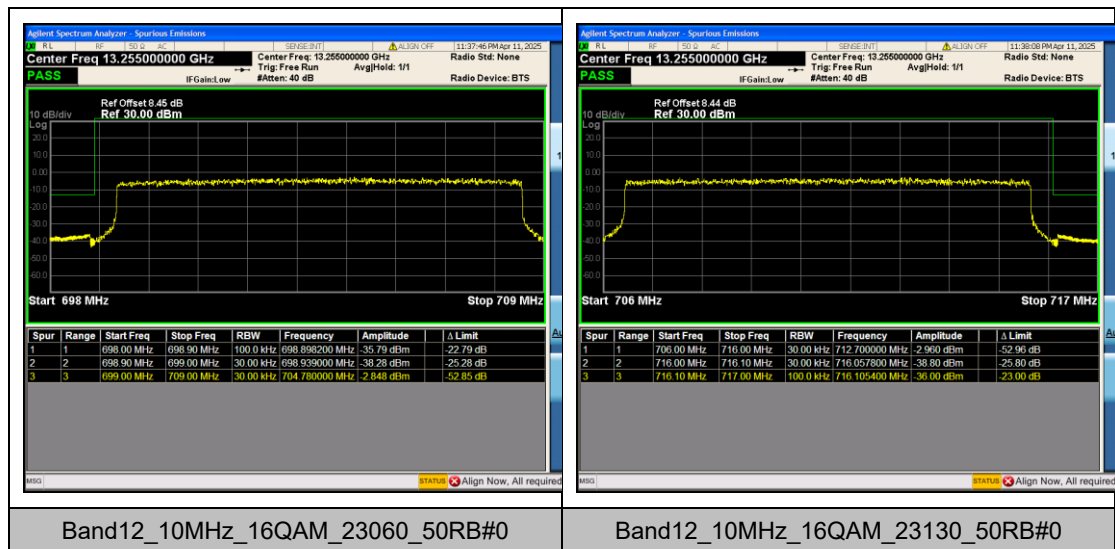
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	-26.97	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-23.59	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-27.50	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-25.58	PASS
Band12	3MHz	QPSK	23025	15RB#0	-28.42	PASS
Band12	3MHz	QPSK	23165	15RB#0	-28.27	PASS
Band12	3MHz	16QAM	23025	15RB#0	-30.07	PASS
Band12	3MHz	16QAM	23165	15RB#0	-29.81	PASS
Band12	5MHz	QPSK	23035	25RB#0	-32.98	PASS
Band12	5MHz	QPSK	23155	25RB#0	-31.55	PASS
Band12	5MHz	16QAM	23035	25RB#0	-33.77	PASS
Band12	5MHz	16QAM	23155	25RB#0	-33.38	PASS
Band12	10MHz	QPSK	23060	50RB#0	-34.95	PASS
Band12	10MHz	QPSK	23130	50RB#0	-34.50	PASS
Band12	10MHz	16QAM	23060	50RB#0	-35.79	PASS
Band12	10MHz	16QAM	23130	50RB#0	-36.00	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	-42.97	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	0.15~30	-52.11	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	30~1000	-51.70	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	1000~3000	-46.83	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	3000~10000	-44.10	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	0.009~0.15	-44.18	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	0.15~30	-53.23	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	30~1000	-50.73	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1000~3000	-46.64	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	3000~10000	-43.84	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	0.009~0.15	-44.36	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	0.15~30	-54.70	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	30~1000	-51.46	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1000~3000	-45.63	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	3000~10000	-44.33	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	0.009~0.15	-42.44	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	0.15~30	-51.82	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	30~1000	-52.26	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1000~3000	-46.74	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	3000~10000	-44.25	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	0.009~0.15	-40.96	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	0.15~30	-51.65	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	30~1000	-52.86	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1000~3000	-46.35	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	3000~10000	-43.41	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	0.009~0.15	-42.91	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	0.15~30	-53.98	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	30~1000	-51.22	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1000~3000	-45.52	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	3000~10000	-44.05	PASS
Band12	3MHz	QPSK	23025	15RB#0	0.009~0.15	-42.06	PASS
Band12	3MHz	QPSK	23025	15RB#0	0.15~30	-53.62	PASS
Band12	3MHz	QPSK	23025	15RB#0	30~1000	-51.34	PASS
Band12	3MHz	QPSK	23025	15RB#0	1000~3000	-46.90	PASS
Band12	3MHz	QPSK	23025	15RB#0	3000~10000	-43.73	PASS
Band12	3MHz	QPSK	23095	15RB#0	0.009~0.15	-41.85	PASS

Band12	3MHz	QPSK	23095	15RB#0	0.15~30	-52.73	PASS
Band12	3MHz	QPSK	23095	15RB#0	30~1000	-51.54	PASS
Band12	3MHz	QPSK	23095	15RB#0	1000~3000	-46.88	PASS
Band12	3MHz	QPSK	23095	15RB#0	3000~10000	-43.86	PASS
Band12	3MHz	QPSK	23165	15RB#0	0.009~0.15	-42.31	PASS
Band12	3MHz	QPSK	23165	15RB#0	0.15~30	-54.95	PASS
Band12	3MHz	QPSK	23165	15RB#0	30~1000	-49.18	PASS
Band12	3MHz	QPSK	23165	15RB#0	1000~3000	-46.79	PASS
Band12	3MHz	QPSK	23165	15RB#0	3000~10000	-43.91	PASS
Band12	3MHz	16QAM	23025	15RB#0	0.009~0.15	-42.14	PASS
Band12	3MHz	16QAM	23025	15RB#0	0.15~30	-54.80	PASS
Band12	3MHz	16QAM	23025	15RB#0	30~1000	-52.15	PASS
Band12	3MHz	16QAM	23025	15RB#0	1000~3000	-46.70	PASS
Band12	3MHz	16QAM	23025	15RB#0	3000~10000	-44.29	PASS
Band12	3MHz	16QAM	23095	15RB#0	0.009~0.15	-41.88	PASS
Band12	3MHz	16QAM	23095	15RB#0	0.15~30	-51.54	PASS
Band12	3MHz	16QAM	23095	15RB#0	30~1000	-53.84	PASS
Band12	3MHz	16QAM	23095	15RB#0	1000~3000	-46.91	PASS
Band12	3MHz	16QAM	23095	15RB#0	3000~10000	-44.20	PASS
Band12	3MHz	16QAM	23165	15RB#0	0.009~0.15	-40.59	PASS
Band12	3MHz	16QAM	23165	15RB#0	0.15~30	-51.61	PASS
Band12	3MHz	16QAM	23165	15RB#0	30~1000	-52.80	PASS
Band12	3MHz	16QAM	23165	15RB#0	1000~3000	-46.36	PASS
Band12	3MHz	16QAM	23165	15RB#0	3000~10000	-43.92	PASS
Band12	5MHz	QPSK	23035	25RB#0	0.009~0.15	-44.14	PASS
Band12	5MHz	QPSK	23035	25RB#0	0.15~30	-55.26	PASS
Band12	5MHz	QPSK	23035	25RB#0	30~1000	-52.71	PASS
Band12	5MHz	QPSK	23035	25RB#0	1000~3000	-46.94	PASS
Band12	5MHz	QPSK	23035	25RB#0	3000~10000	-43.51	PASS
Band12	5MHz	QPSK	23095	25RB#0	0.009~0.15	-40.57	PASS
Band12	5MHz	QPSK	23095	25RB#0	0.15~30	-53.88	PASS
Band12	5MHz	QPSK	23095	25RB#0	30~1000	-54.74	PASS
Band12	5MHz	QPSK	23095	25RB#0	1000~3000	-46.96	PASS
Band12	5MHz	QPSK	23095	25RB#0	3000~10000	-44.06	PASS
Band12	5MHz	QPSK	23155	25RB#0	0.009~0.15	-42.20	PASS
Band12	5MHz	QPSK	23155	25RB#0	0.15~30	-53.10	PASS
Band12	5MHz	QPSK	23155	25RB#0	30~1000	-51.47	PASS
Band12	5MHz	QPSK	23155	25RB#0	1000~3000	-46.61	PASS
Band12	5MHz	QPSK	23155	25RB#0	3000~10000	-43.90	PASS
Band12	5MHz	16QAM	23035	25RB#0	0.009~0.15	-39.43	PASS
Band12	5MHz	16QAM	23035	25RB#0	0.15~30	-54.79	PASS
Band12	5MHz	16QAM	23035	25RB#0	30~1000	-54.72	PASS
Band12	5MHz	16QAM	23035	25RB#0	1000~3000	-46.82	PASS