

Appendix RF Test Data for LTE Band 12

Company: : SIMFINITY COMPANY LIMITED

EUT : MIFI

Model Number : U6

FCC ID : 2BSRS-U6

Report No. : CTA25100901305

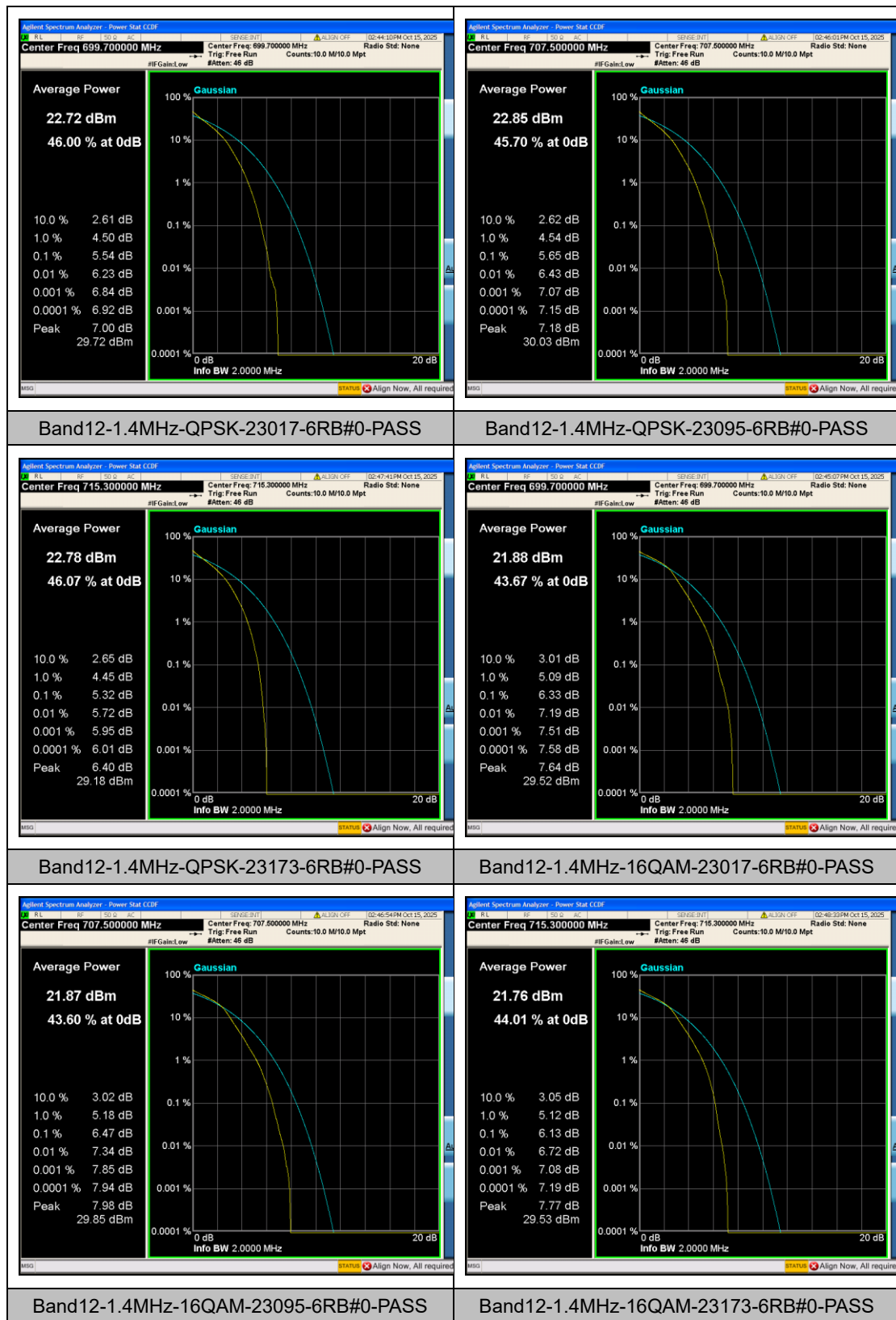
Reviewed By : Eric Wang

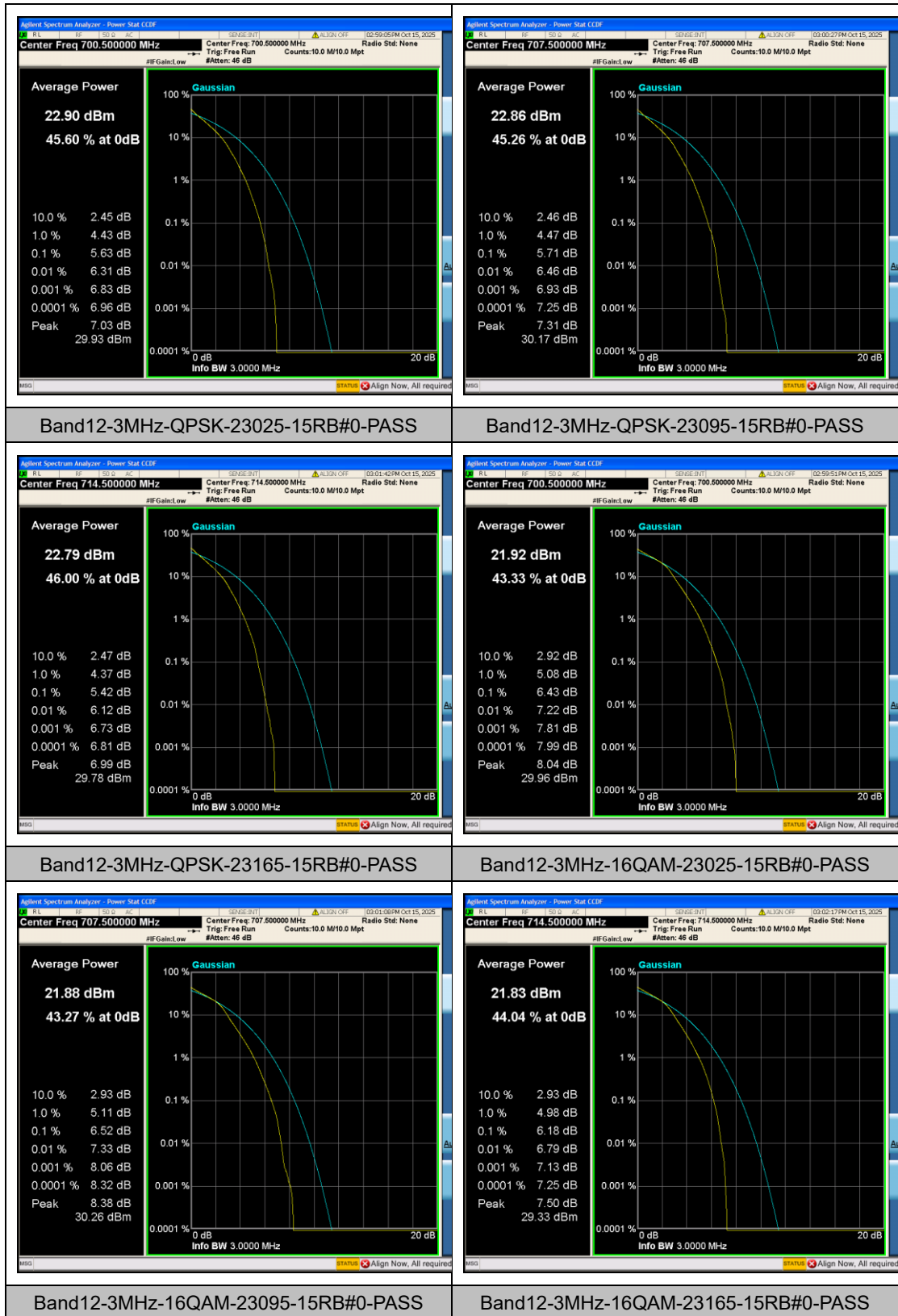
Appendix B: Peak-to-Average Ratio(CCDF)

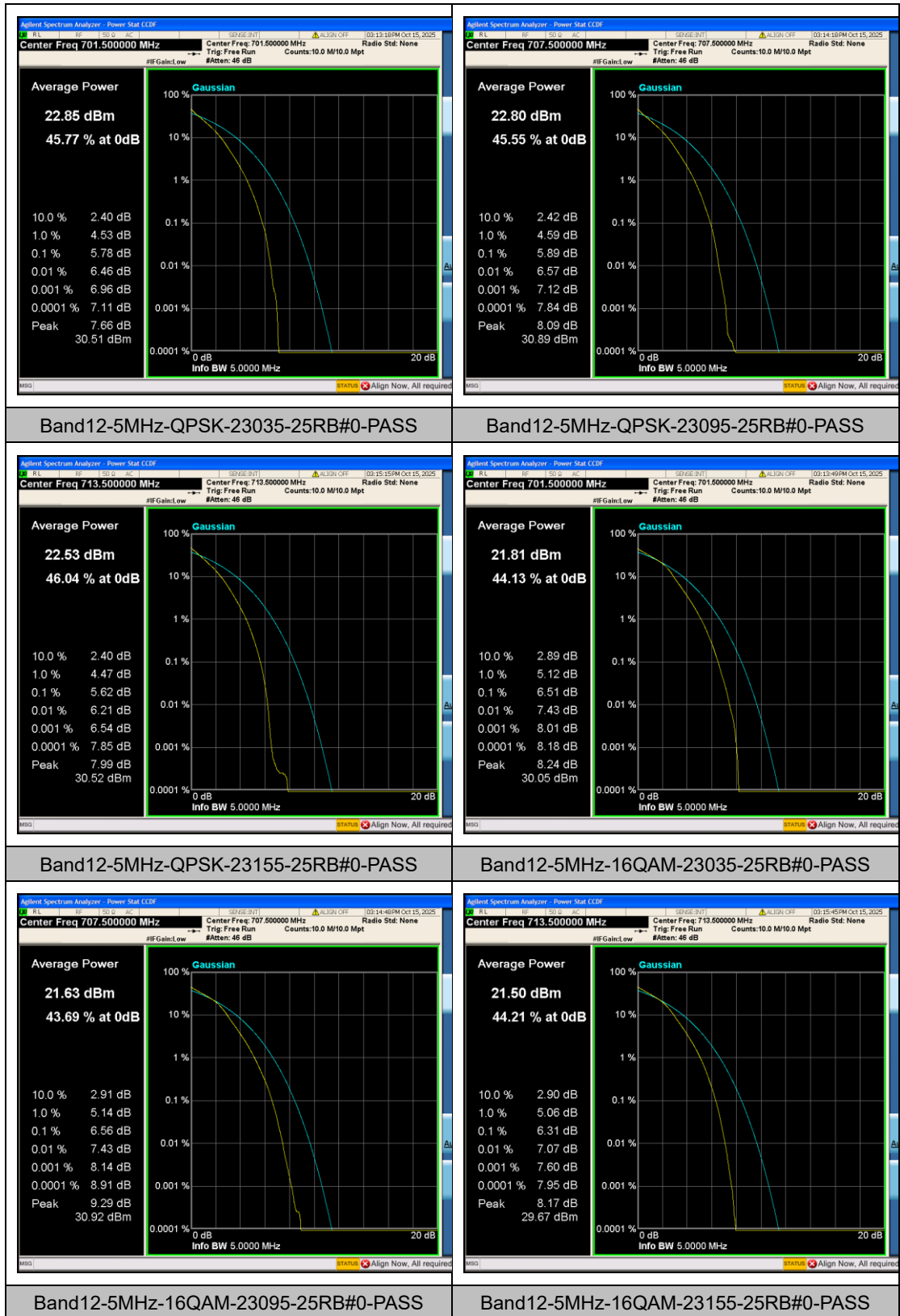
Test Result

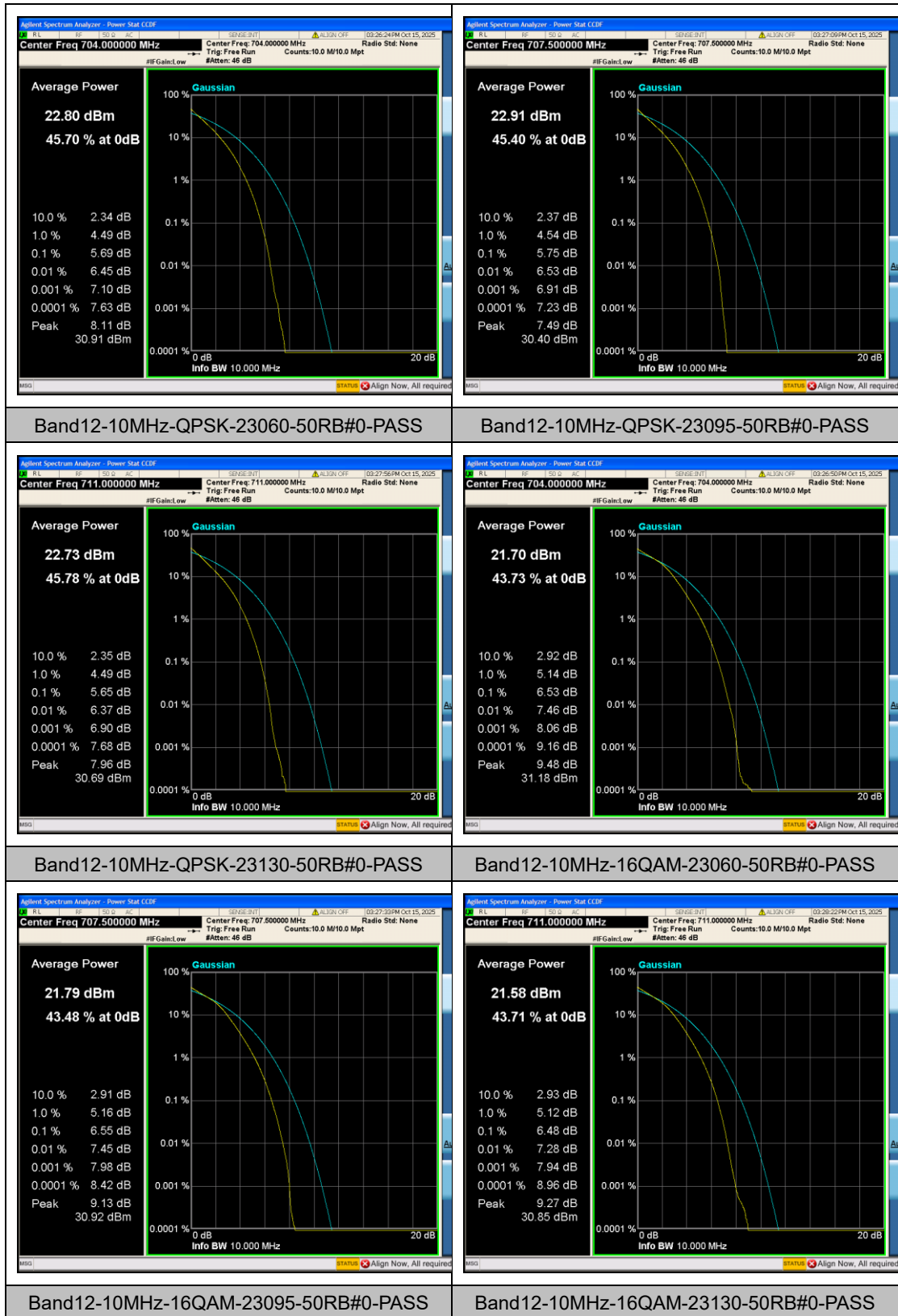
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	5.54	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.65	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.32	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.33	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.47	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.13	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.63	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.71	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.42	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.43	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.52	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.18	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.78	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.89	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.62	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.51	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.56	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.31	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.69	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.75	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.65	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.53	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.55	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.48	13	PASS

Test Graphs







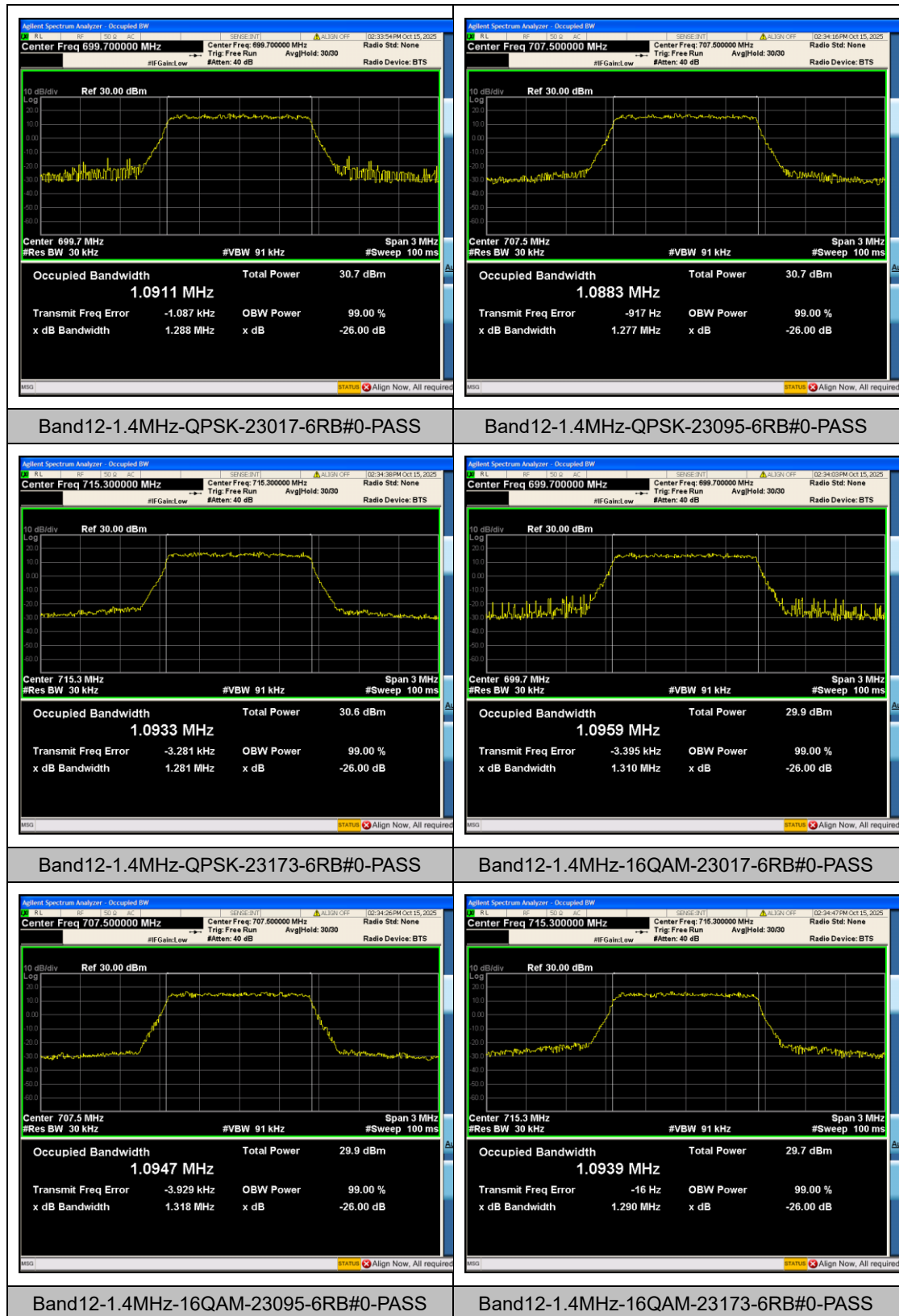


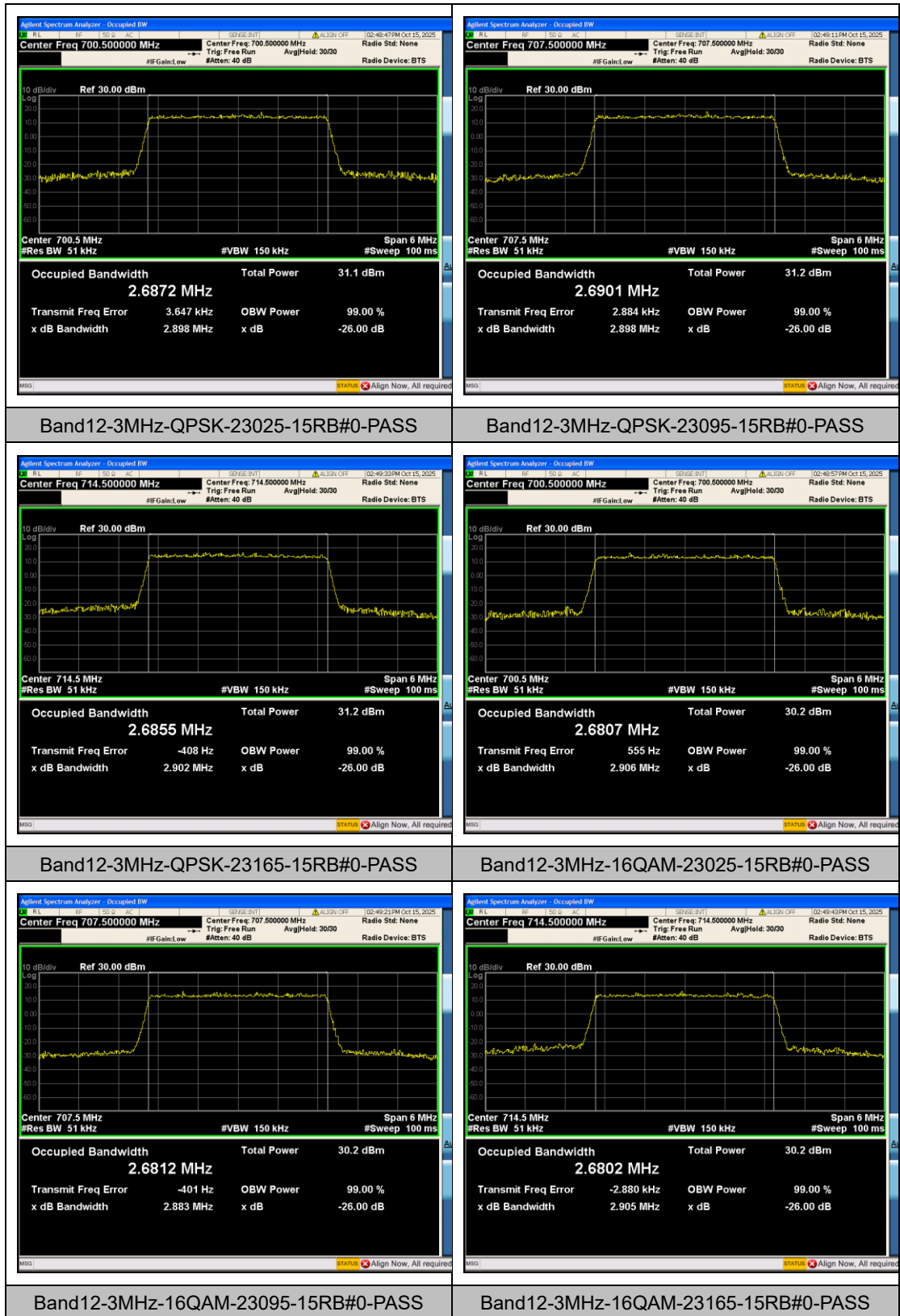
Appendix C: 26dB Bandwidth and Occupied Bandwidth

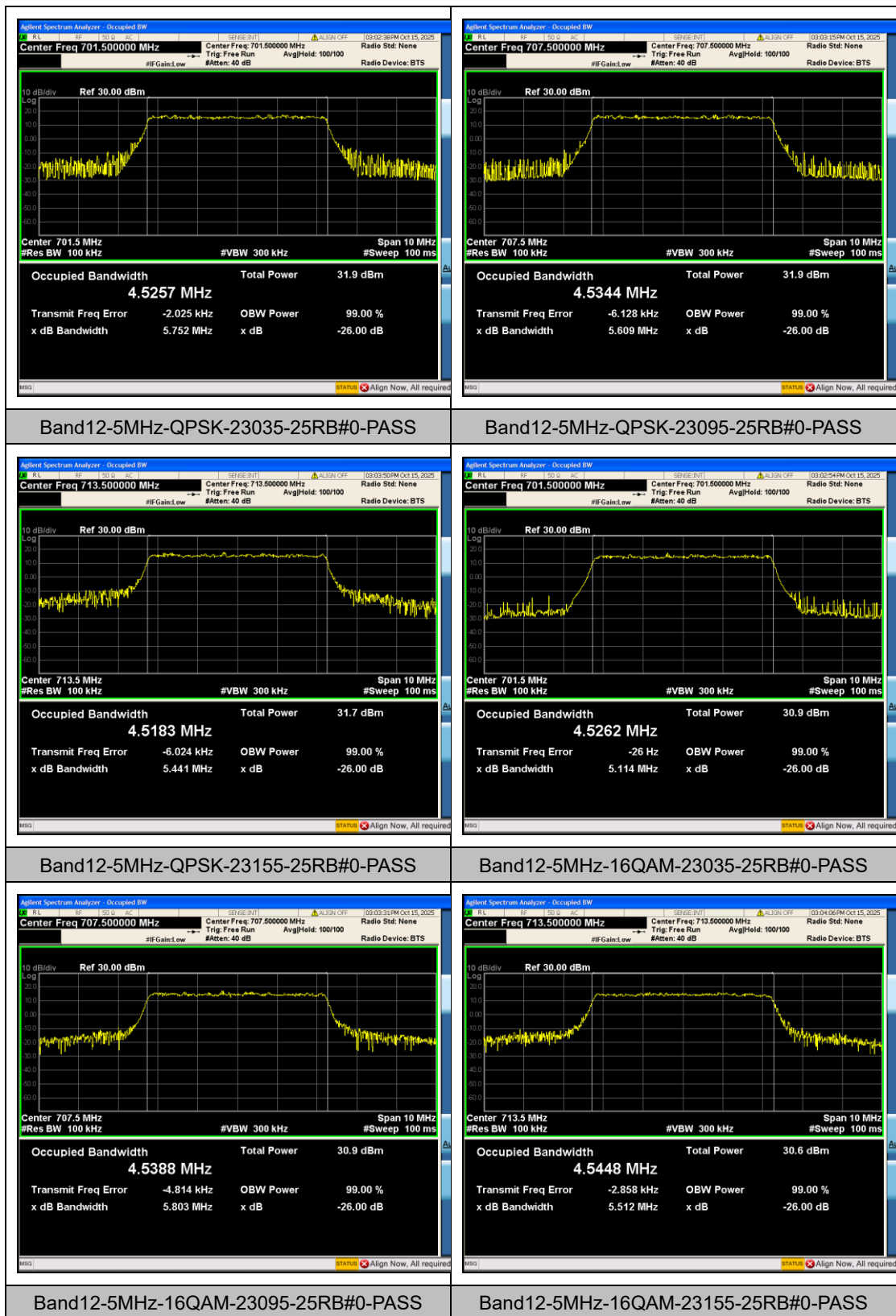
Test Result

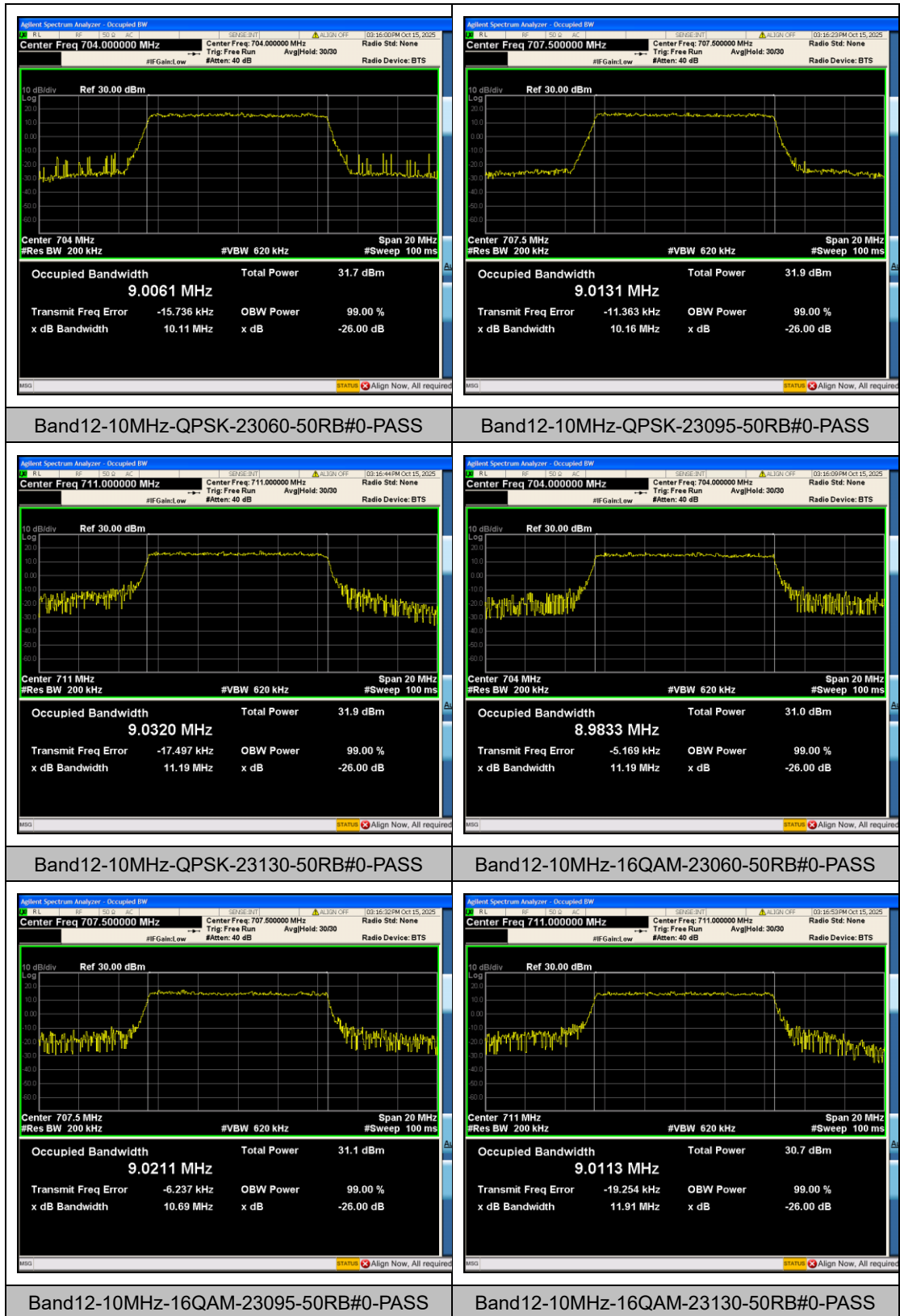
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0911	1.288	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0883	1.277	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0933	1.281	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0959	1.310	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0947	1.318	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0939	1.290	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6872	2.898	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6901	2.898	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6855	2.902	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6807	2.906	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6812	2.883	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6802	2.905	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5257	5.752	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5344	5.609	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5183	5.441	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5262	5.114	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5388	5.803	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5448	5.512	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0061	10.11	PASS
Band12	10MHz	QPSK	23095	50RB#0	9.0131	10.16	PASS
Band12	10MHz	QPSK	23130	50RB#0	9.0320	11.19	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9833	11.19	PASS
Band12	10MHz	16QAM	23095	50RB#0	9.0211	10.69	PASS
Band12	10MHz	16QAM	23130	50RB#0	9.0113	11.91	PASS

Test Graphs







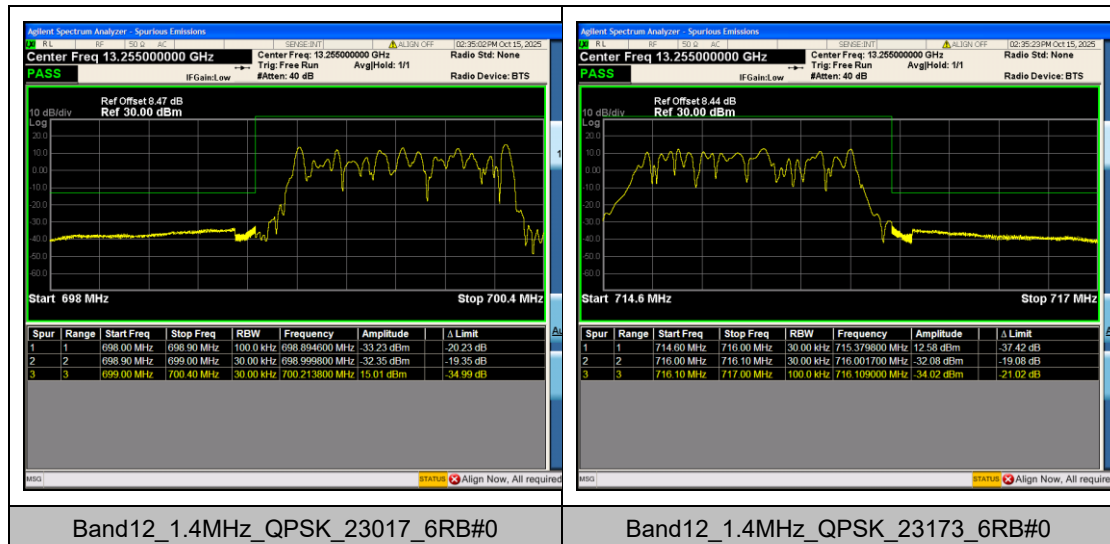


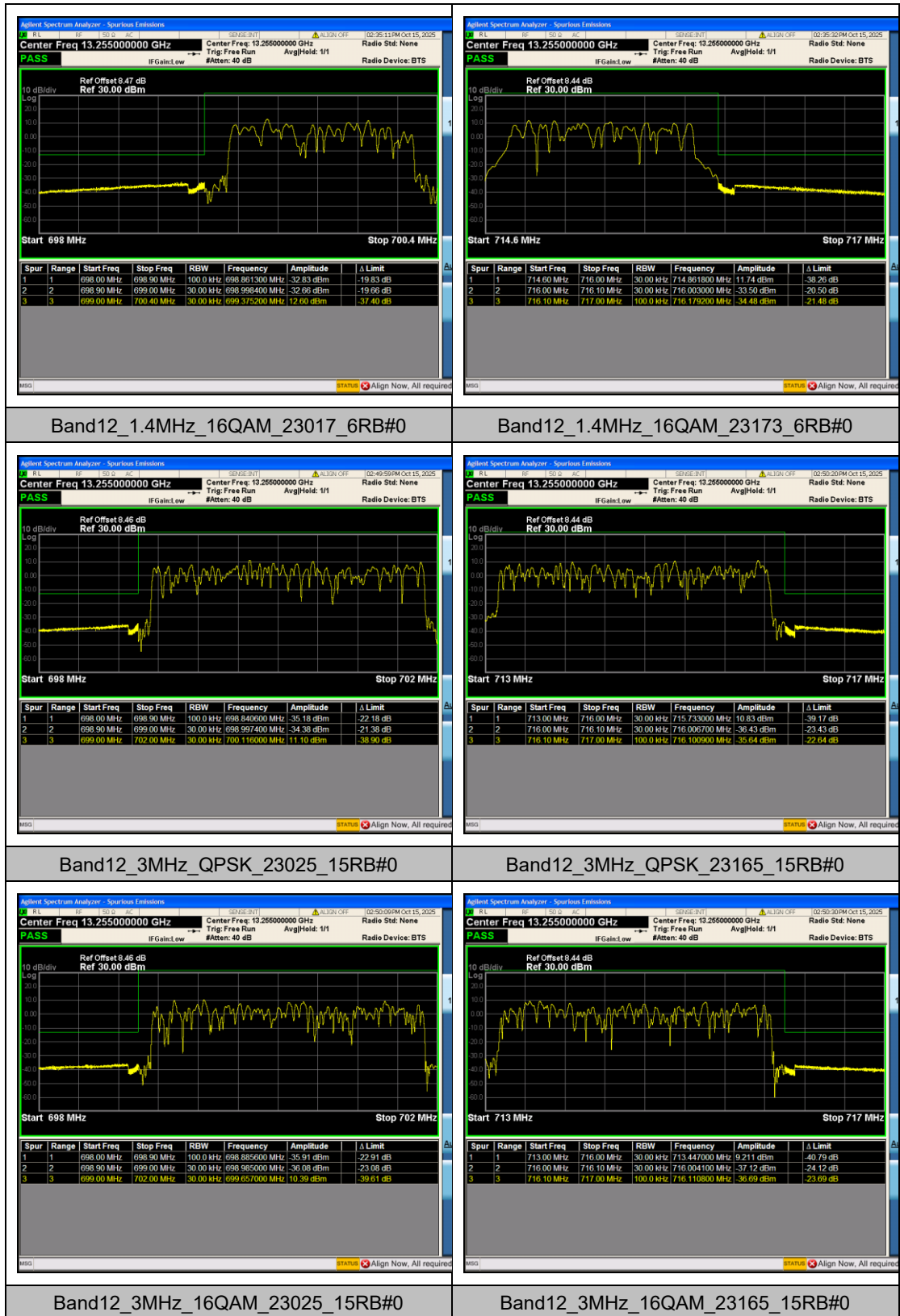
Appendix D: Band Edge

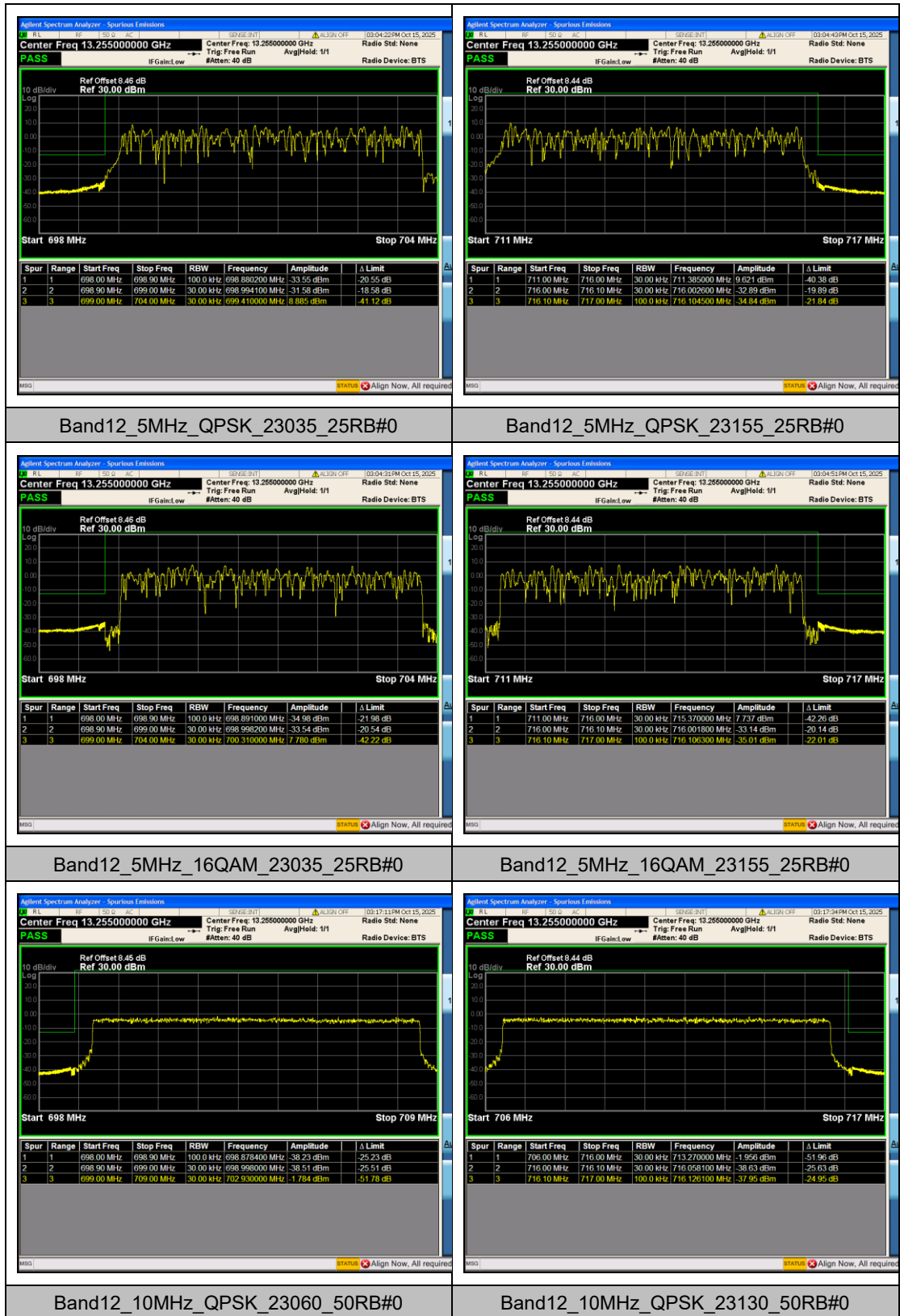
Test Result

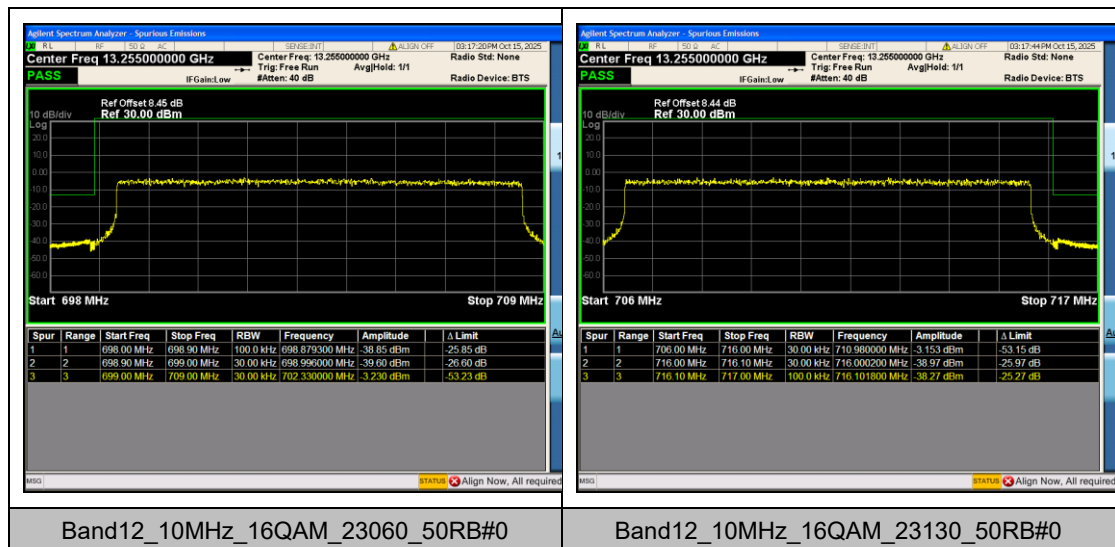
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	-32.35	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-32.08	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-32.66	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-33.50	PASS
Band12	3MHz	QPSK	23025	15RB#0	-34.38	PASS
Band12	3MHz	QPSK	23165	15RB#0	-35.64	PASS
Band12	3MHz	16QAM	23025	15RB#0	-35.91	PASS
Band12	3MHz	16QAM	23165	15RB#0	-36.69	PASS
Band12	5MHz	QPSK	23035	25RB#0	-31.58	PASS
Band12	5MHz	QPSK	23155	25RB#0	-32.89	PASS
Band12	5MHz	16QAM	23035	25RB#0	-33.54	PASS
Band12	5MHz	16QAM	23155	25RB#0	-33.14	PASS
Band12	10MHz	QPSK	23060	50RB#0	-38.23	PASS
Band12	10MHz	QPSK	23130	50RB#0	-37.95	PASS
Band12	10MHz	16QAM	23060	50RB#0	-38.85	PASS
Band12	10MHz	16QAM	23130	50RB#0	-38.27	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	-38.06	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	0.15~30	-53.00	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	30~1000	-47.37	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	1000~3000	-46.74	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	3000~10000	-42.82	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	0.009~0.15	-44.45	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	0.15~30	-53.64	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	30~1000	-46.27	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1000~3000	-46.91	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	3000~10000	-42.90	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	0.009~0.15	-43.31	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	0.15~30	-53.49	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	30~1000	-48.64	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1000~3000	-46.57	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	3000~10000	-43.21	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	0.009~0.15	-42.27	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	0.15~30	-54.49	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	30~1000	-49.33	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1000~3000	-46.77	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	3000~10000	-43.10	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	0.009~0.15	-40.15	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	0.15~30	-52.28	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	30~1000	-47.92	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1000~3000	-46.67	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	3000~10000	-42.72	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	0.009~0.15	-43.72	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	0.15~30	-52.41	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	30~1000	-48.73	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1000~3000	-46.71	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	3000~10000	-43.03	PASS
Band12	3MHz	QPSK	23025	15RB#0	0.009~0.15	-41.60	PASS
Band12	3MHz	QPSK	23025	15RB#0	0.15~30	-51.56	PASS
Band12	3MHz	QPSK	23025	15RB#0	30~1000	-48.33	PASS
Band12	3MHz	QPSK	23025	15RB#0	1000~3000	-46.28	PASS
Band12	3MHz	QPSK	23025	15RB#0	3000~10000	-42.59	PASS
Band12	3MHz	QPSK	23095	15RB#0	0.009~0.15	-37.73	PASS

Band12	3MHz	QPSK	23095	15RB#0	0.15~30	-52.14	PASS
Band12	3MHz	QPSK	23095	15RB#0	30~1000	-46.78	PASS
Band12	3MHz	QPSK	23095	15RB#0	1000~3000	-46.68	PASS
Band12	3MHz	QPSK	23095	15RB#0	3000~10000	-43.12	PASS
Band12	3MHz	QPSK	23165	15RB#0	0.009~0.15	-40.26	PASS
Band12	3MHz	QPSK	23165	15RB#0	0.15~30	-52.41	PASS
Band12	3MHz	QPSK	23165	15RB#0	30~1000	-47.61	PASS
Band12	3MHz	QPSK	23165	15RB#0	1000~3000	-46.62	PASS
Band12	3MHz	QPSK	23165	15RB#0	3000~10000	-42.47	PASS
Band12	3MHz	16QAM	23025	15RB#0	0.009~0.15	-38.33	PASS
Band12	3MHz	16QAM	23025	15RB#0	0.15~30	-50.20	PASS
Band12	3MHz	16QAM	23025	15RB#0	30~1000	-49.97	PASS
Band12	3MHz	16QAM	23025	15RB#0	1000~3000	-46.55	PASS
Band12	3MHz	16QAM	23025	15RB#0	3000~10000	-43.18	PASS
Band12	3MHz	16QAM	23095	15RB#0	0.009~0.15	-40.19	PASS
Band12	3MHz	16QAM	23095	15RB#0	0.15~30	-51.88	PASS
Band12	3MHz	16QAM	23095	15RB#0	30~1000	-48.45	PASS
Band12	3MHz	16QAM	23095	15RB#0	1000~3000	-46.38	PASS
Band12	3MHz	16QAM	23095	15RB#0	3000~10000	-43.12	PASS
Band12	3MHz	16QAM	23165	15RB#0	0.009~0.15	-43.25	PASS
Band12	3MHz	16QAM	23165	15RB#0	0.15~30	-52.34	PASS
Band12	3MHz	16QAM	23165	15RB#0	30~1000	-49.83	PASS
Band12	3MHz	16QAM	23165	15RB#0	1000~3000	-46.36	PASS
Band12	3MHz	16QAM	23165	15RB#0	3000~10000	-43.18	PASS
Band12	5MHz	QPSK	23035	25RB#0	0.009~0.15	-42.03	PASS
Band12	5MHz	QPSK	23035	25RB#0	0.15~30	-52.76	PASS
Band12	5MHz	QPSK	23035	25RB#0	30~1000	-51.32	PASS
Band12	5MHz	QPSK	23035	25RB#0	1000~3000	-46.47	PASS
Band12	5MHz	QPSK	23035	25RB#0	3000~10000	-43.25	PASS
Band12	5MHz	QPSK	23095	25RB#0	0.009~0.15	-40.69	PASS
Band12	5MHz	QPSK	23095	25RB#0	0.15~30	-54.13	PASS
Band12	5MHz	QPSK	23095	25RB#0	30~1000	-47.71	PASS
Band12	5MHz	QPSK	23095	25RB#0	1000~3000	-46.36	PASS
Band12	5MHz	QPSK	23095	25RB#0	3000~10000	-42.85	PASS
Band12	5MHz	QPSK	23155	25RB#0	0.009~0.15	-39.49	PASS
Band12	5MHz	QPSK	23155	25RB#0	0.15~30	-53.41	PASS
Band12	5MHz	QPSK	23155	25RB#0	30~1000	-46.63	PASS
Band12	5MHz	QPSK	23155	25RB#0	1000~3000	-46.67	PASS
Band12	5MHz	QPSK	23155	25RB#0	3000~10000	-43.30	PASS
Band12	5MHz	16QAM	23035	25RB#0	0.009~0.15	-37.66	PASS
Band12	5MHz	16QAM	23035	25RB#0	0.15~30	-53.27	PASS
Band12	5MHz	16QAM	23035	25RB#0	30~1000	-45.09	PASS
Band12	5MHz	16QAM	23035	25RB#0	1000~3000	-46.52	PASS

Band12	5MHz	16QAM	23035	25RB#0	3000~10000	-42.91	PASS
Band12	5MHz	16QAM	23095	25RB#0	0.009~0.15	-40.05	PASS
Band12	5MHz	16QAM	23095	25RB#0	0.15~30	-52.53	PASS
Band12	5MHz	16QAM	23095	25RB#0	30~1000	-51.20	PASS
Band12	5MHz	16QAM	23095	25RB#0	1000~3000	-46.63	PASS
Band12	5MHz	16QAM	23095	25RB#0	3000~10000	-42.59	PASS
Band12	5MHz	16QAM	23155	25RB#0	0.009~0.15	-38.41	PASS
Band12	5MHz	16QAM	23155	25RB#0	0.15~30	-51.55	PASS
Band12	5MHz	16QAM	23155	25RB#0	30~1000	-45.18	PASS
Band12	5MHz	16QAM	23155	25RB#0	1000~3000	-46.32	PASS
Band12	5MHz	16QAM	23155	25RB#0	3000~10000	-43.26	PASS
Band12	10MHz	QPSK	23060	50RB#0	0.009~0.15	-43.34	PASS
Band12	10MHz	QPSK	23060	50RB#0	0.15~30	-53.46	PASS
Band12	10MHz	QPSK	23060	50RB#0	30~1000	-61.19	PASS
Band12	10MHz	QPSK	23060	50RB#0	1000~3000	-46.75	PASS
Band12	10MHz	QPSK	23060	50RB#0	3000~10000	-42.74	PASS
Band12	10MHz	QPSK	23095	50RB#0	0.009~0.15	-43.68	PASS
Band12	10MHz	QPSK	23095	50RB#0	0.15~30	-52.83	PASS
Band12	10MHz	QPSK	23095	50RB#0	30~1000	-61.06	PASS
Band12	10MHz	QPSK	23095	50RB#0	1000~3000	-46.93	PASS
Band12	10MHz	QPSK	23095	50RB#0	3000~10000	-43.29	PASS
Band12	10MHz	QPSK	23130	50RB#0	0.009~0.15	-39.58	PASS
Band12	10MHz	QPSK	23130	50RB#0	0.15~30	-51.70	PASS
Band12	10MHz	QPSK	23130	50RB#0	30~1000	-61.03	PASS
Band12	10MHz	QPSK	23130	50RB#0	1000~3000	-46.49	PASS
Band12	10MHz	QPSK	23130	50RB#0	3000~10000	-42.97	PASS
Band12	10MHz	16QAM	23060	50RB#0	0.009~0.15	-40.00	PASS
Band12	10MHz	16QAM	23060	50RB#0	0.15~30	-52.05	PASS
Band12	10MHz	16QAM	23060	50RB#0	30~1000	-61.43	PASS
Band12	10MHz	16QAM	23060	50RB#0	1000~3000	-46.70	PASS
Band12	10MHz	16QAM	23060	50RB#0	3000~10000	-43.40	PASS
Band12	10MHz	16QAM	23095	50RB#0	0.009~0.15	-40.34	PASS
Band12	10MHz	16QAM	23095	50RB#0	0.15~30	-52.81	PASS
Band12	10MHz	16QAM	23095	50RB#0	30~1000	-61.17	PASS
Band12	10MHz	16QAM	23095	50RB#0	1000~3000	-46.72	PASS
Band12	10MHz	16QAM	23095	50RB#0	3000~10000	-43.02	PASS
Band12	10MHz	16QAM	23130	50RB#0	0.009~0.15	-38.95	PASS
Band12	10MHz	16QAM	23130	50RB#0	0.15~30	-52.30	PASS
Band12	10MHz	16QAM	23130	50RB#0	30~1000	-61.33	PASS
Band12	10MHz	16QAM	23130	50RB#0	1000~3000	-46.78	PASS
Band12	10MHz	16QAM	23130	50RB#0	3000~10000	-43.16	PASS

Test Graphs

