

FCC Appendix RF Test Data for LTE Band 71

FCC ID : **R38YLCPK23**

Company : **Yulong Computer Telecommunication Scientific
(Shenzhen) Co., Ltd**

EUT : **Smart Phone**

Model Number : **K23**

Report No. : **CTA26032500713**

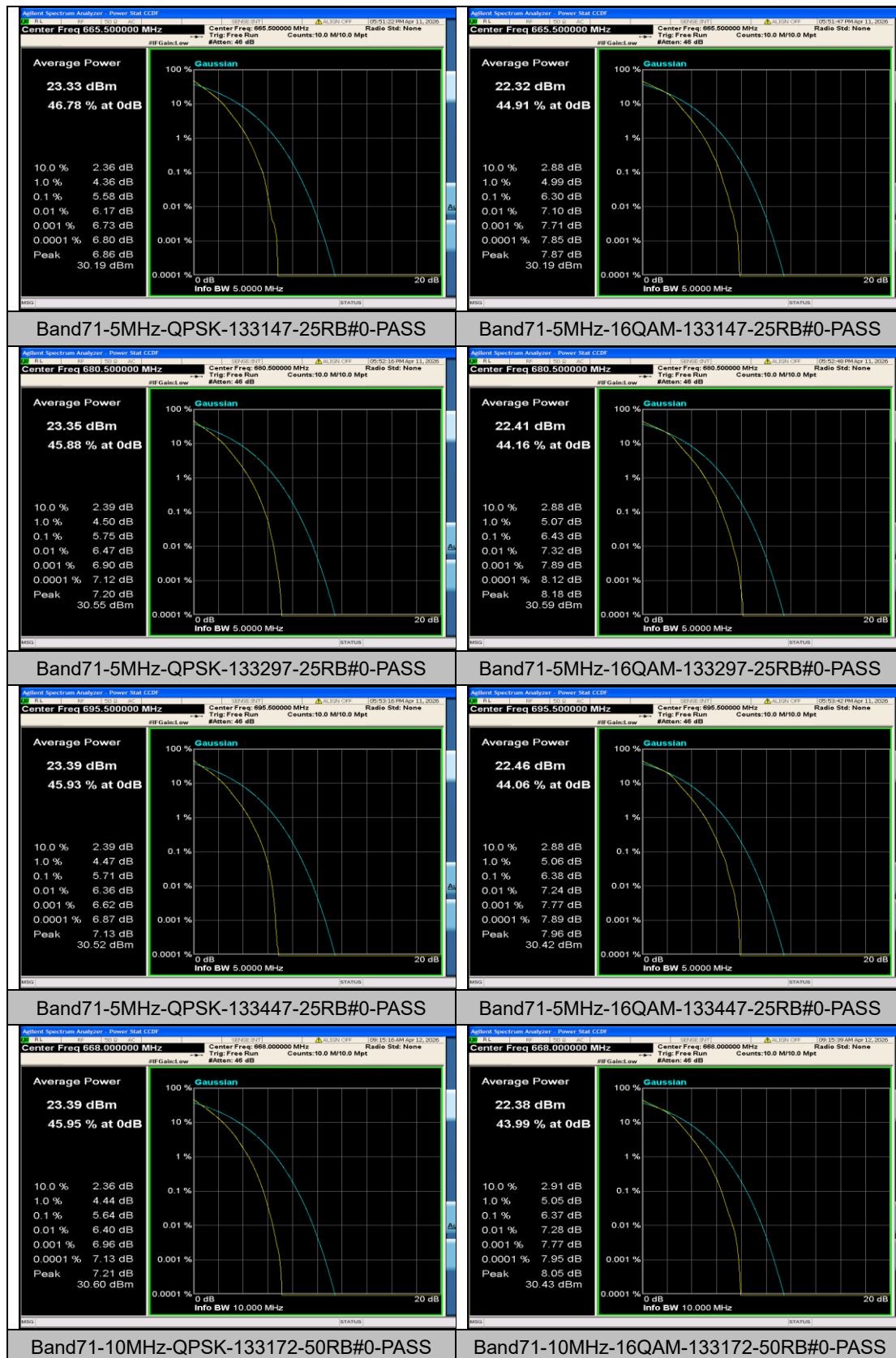
Reviewed By : **Eric Wang**

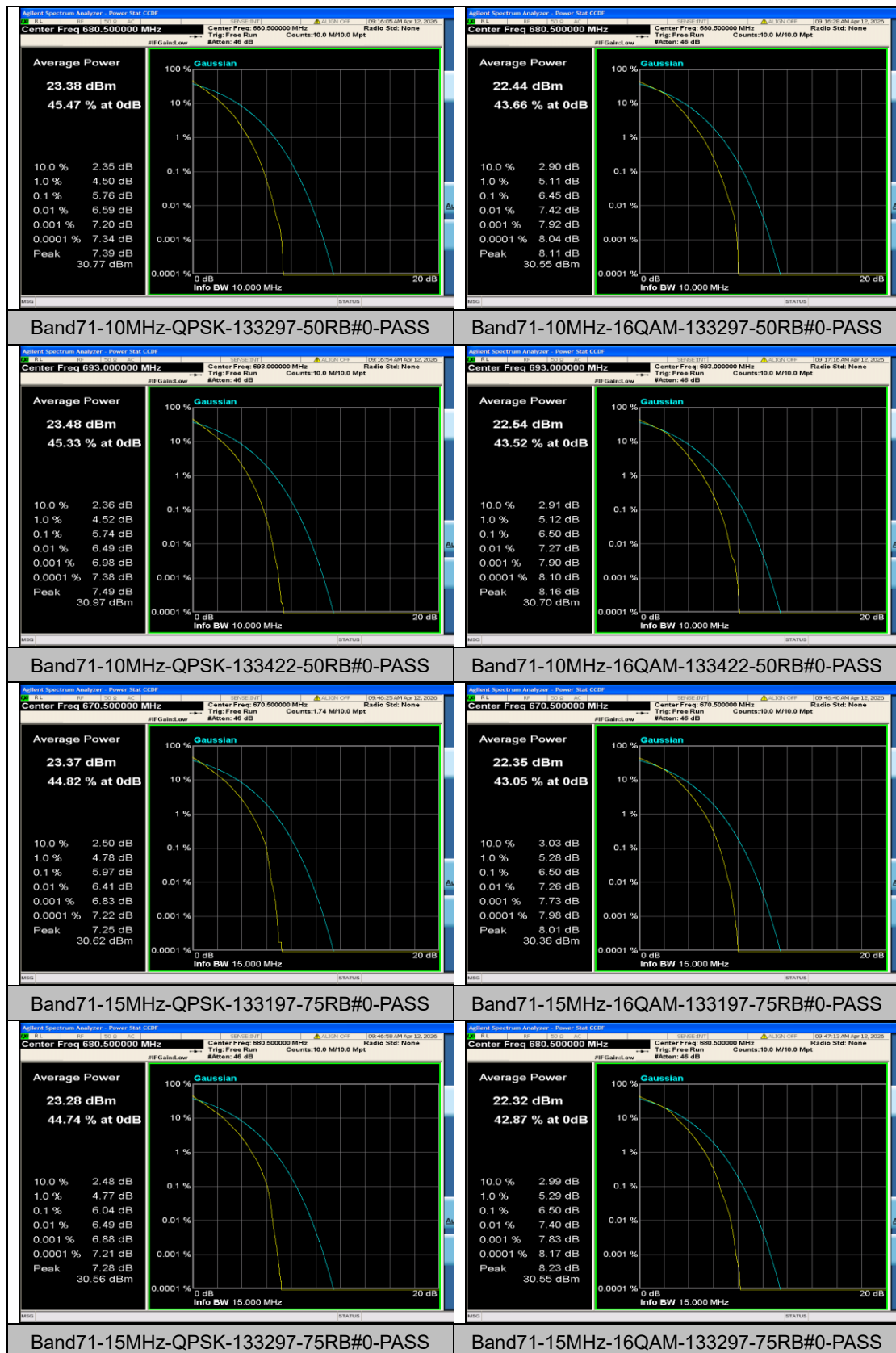
Appendix A: Peak-to-Average Ratio(CCDF)

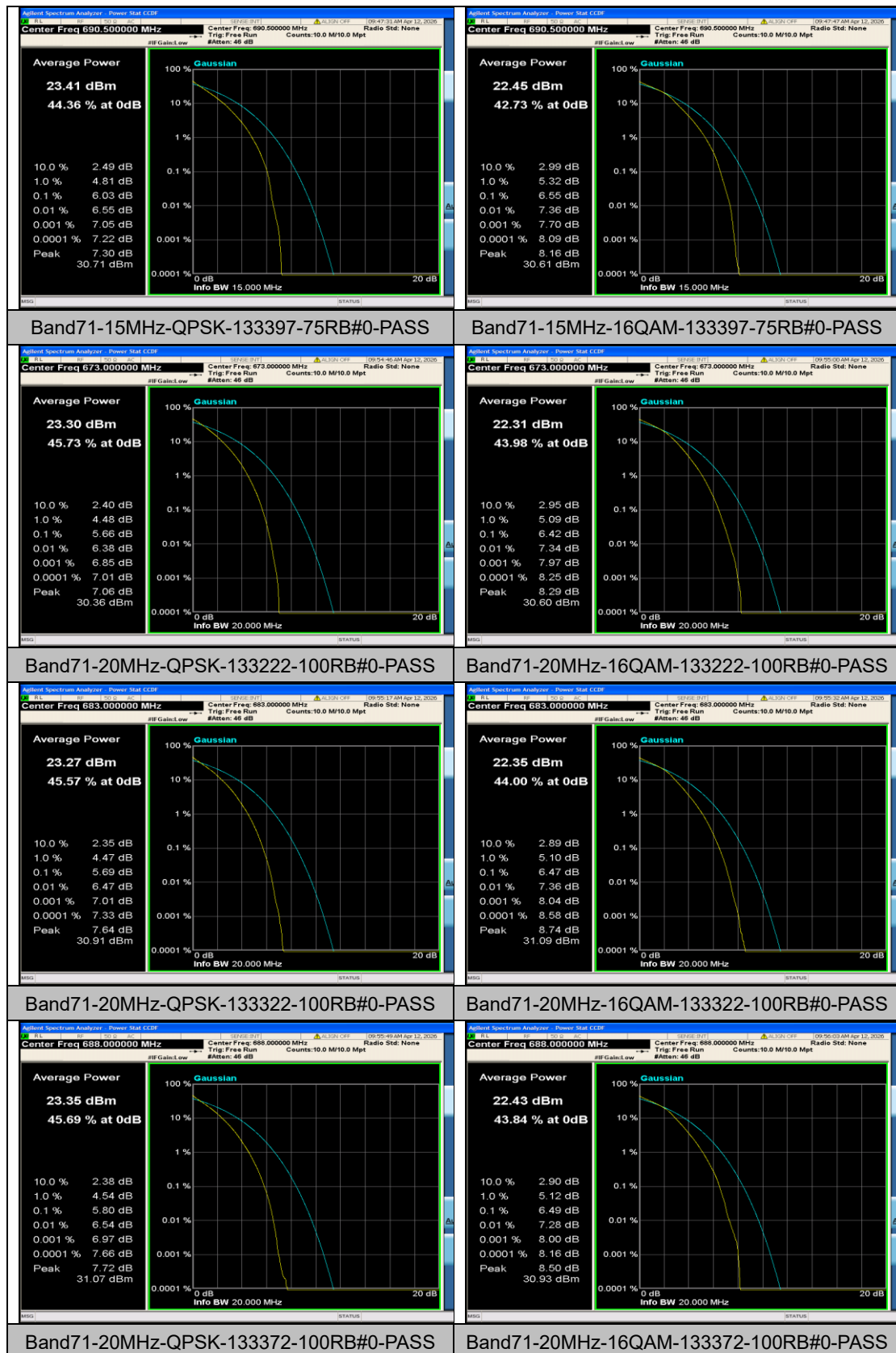
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	5.58	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	6.30	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	5.75	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.43	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	5.71	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	6.38	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	5.64	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	6.37	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.76	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.45	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.74	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	6.50	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	5.97	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	6.50	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	6.04	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.50	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	6.03	13	PASS
Band71	15MHz	16QAM	133397	75RB#0	6.55	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.66	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.42	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.69	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.47	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.80	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.49	13	PASS

Test Graphs





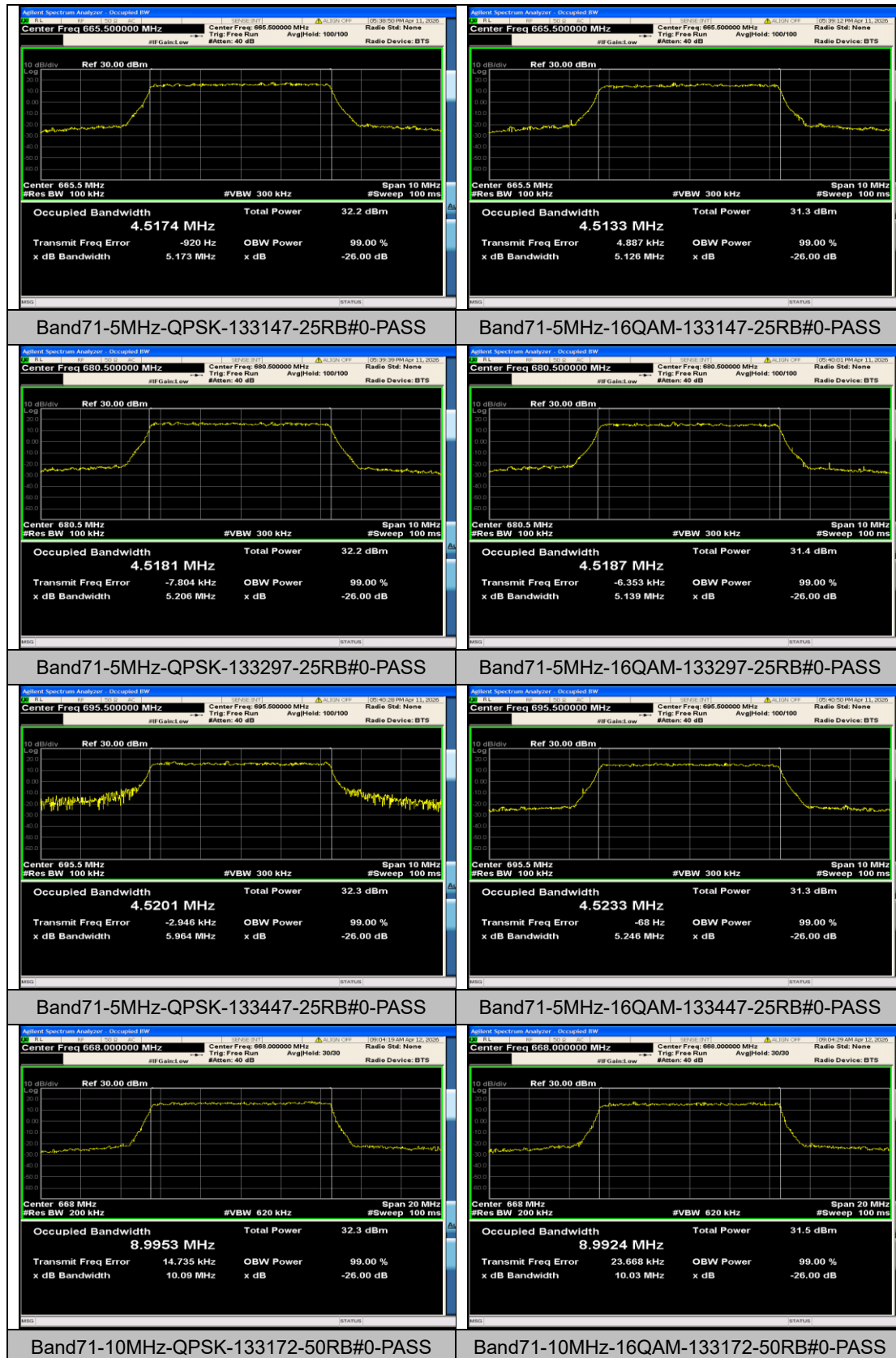


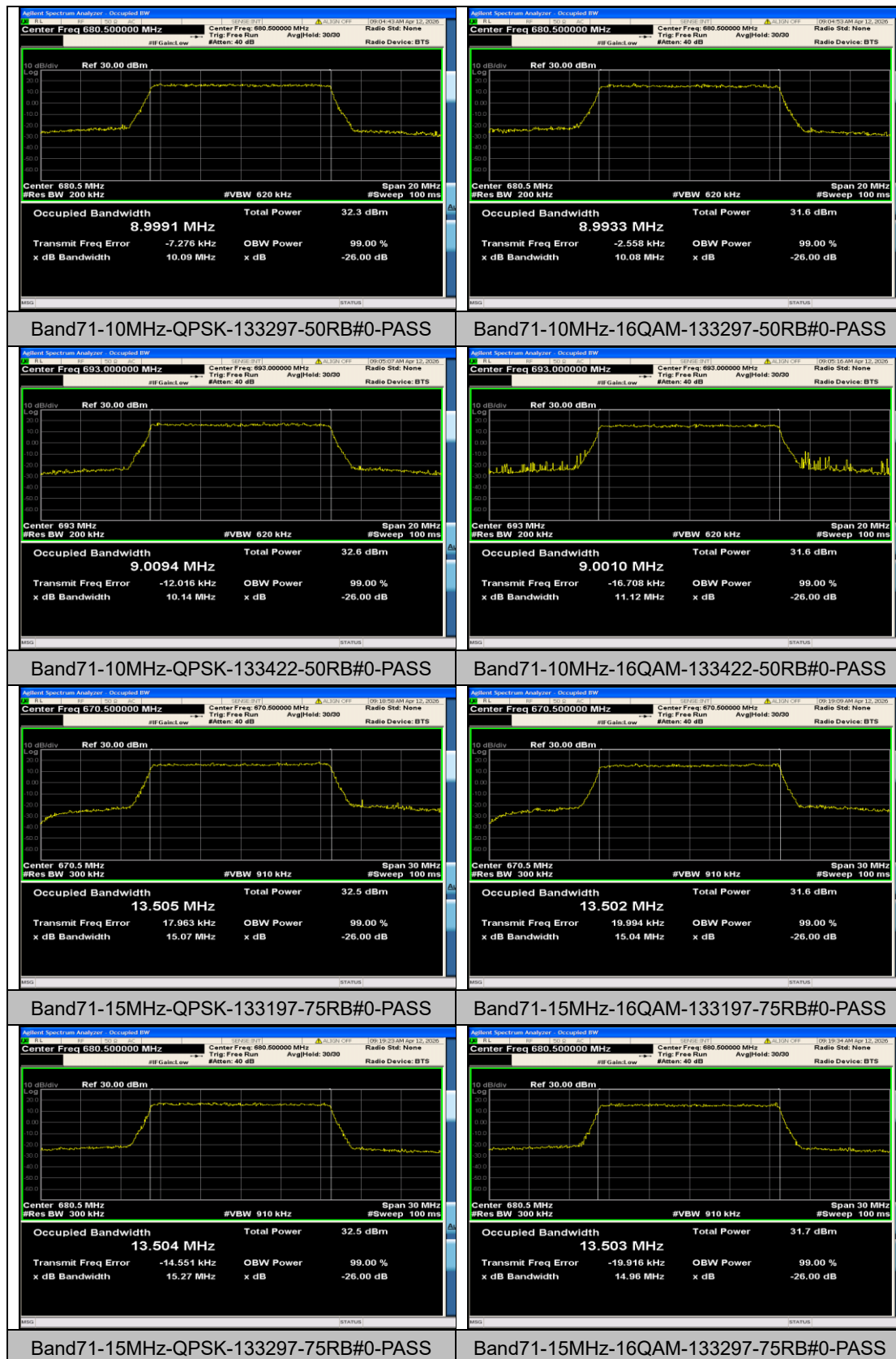
Appendix B: 26dB Bandwidth and Occupied Bandwidth

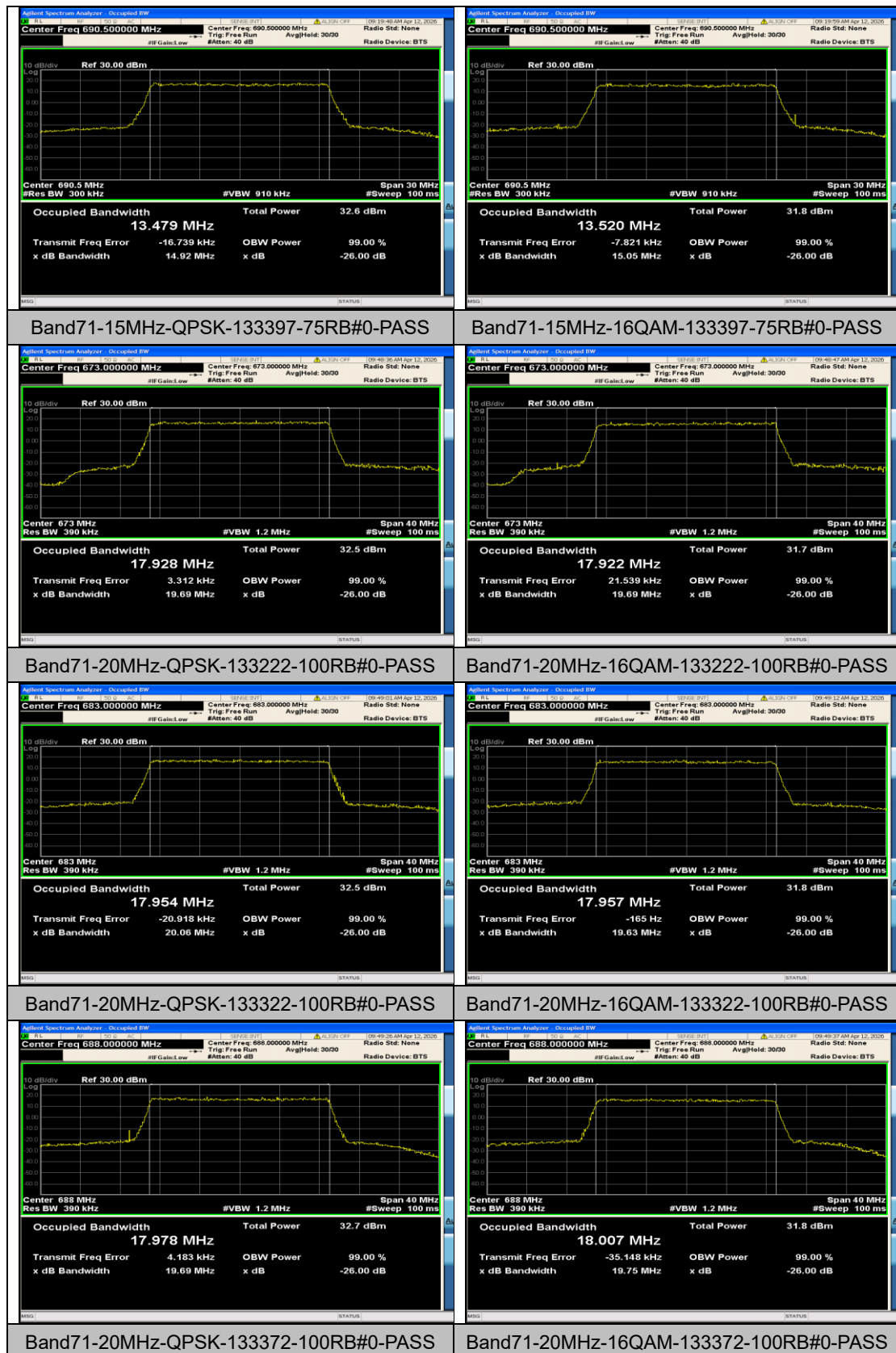
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.5174	5.173	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.5133	5.126	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.5181	5.206	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.5187	5.139	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.5201	5.964	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.5233	5.246	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.9953	10.09	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.9924	10.03	PASS
Band71	10MHz	QPSK	133297	50RB#0	8.9991	10.09	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.9933	10.08	PASS
Band71	10MHz	QPSK	133422	50RB#0	9.0094	10.14	PASS
Band71	10MHz	16QAM	133422	50RB#0	9.0010	11.12	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.505	15.07	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.502	15.04	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.504	15.27	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.503	14.96	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.479	14.92	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.520	15.05	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.928	19.69	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.922	19.69	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.954	20.06	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.957	19.63	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.978	19.69	PASS
Band71	20MHz	16QAM	133372	100RB#0	18.007	19.75	PASS

Test Graphs





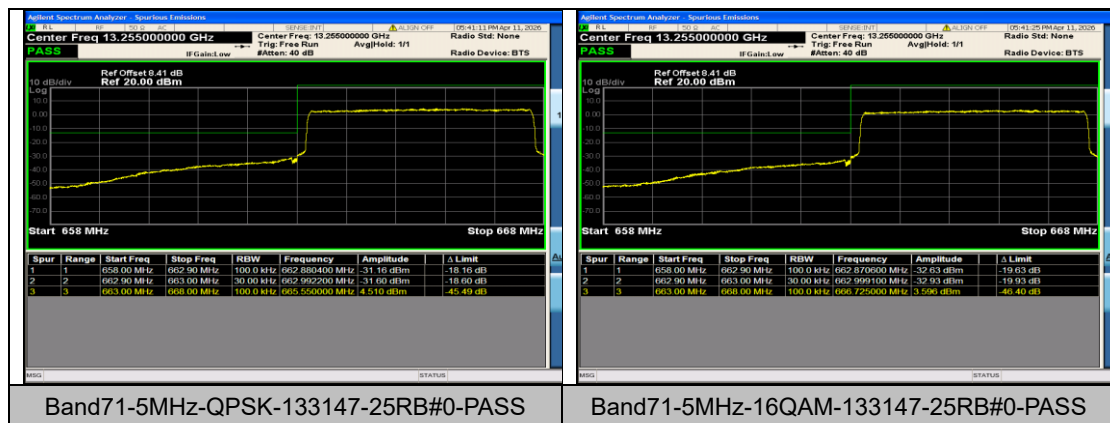


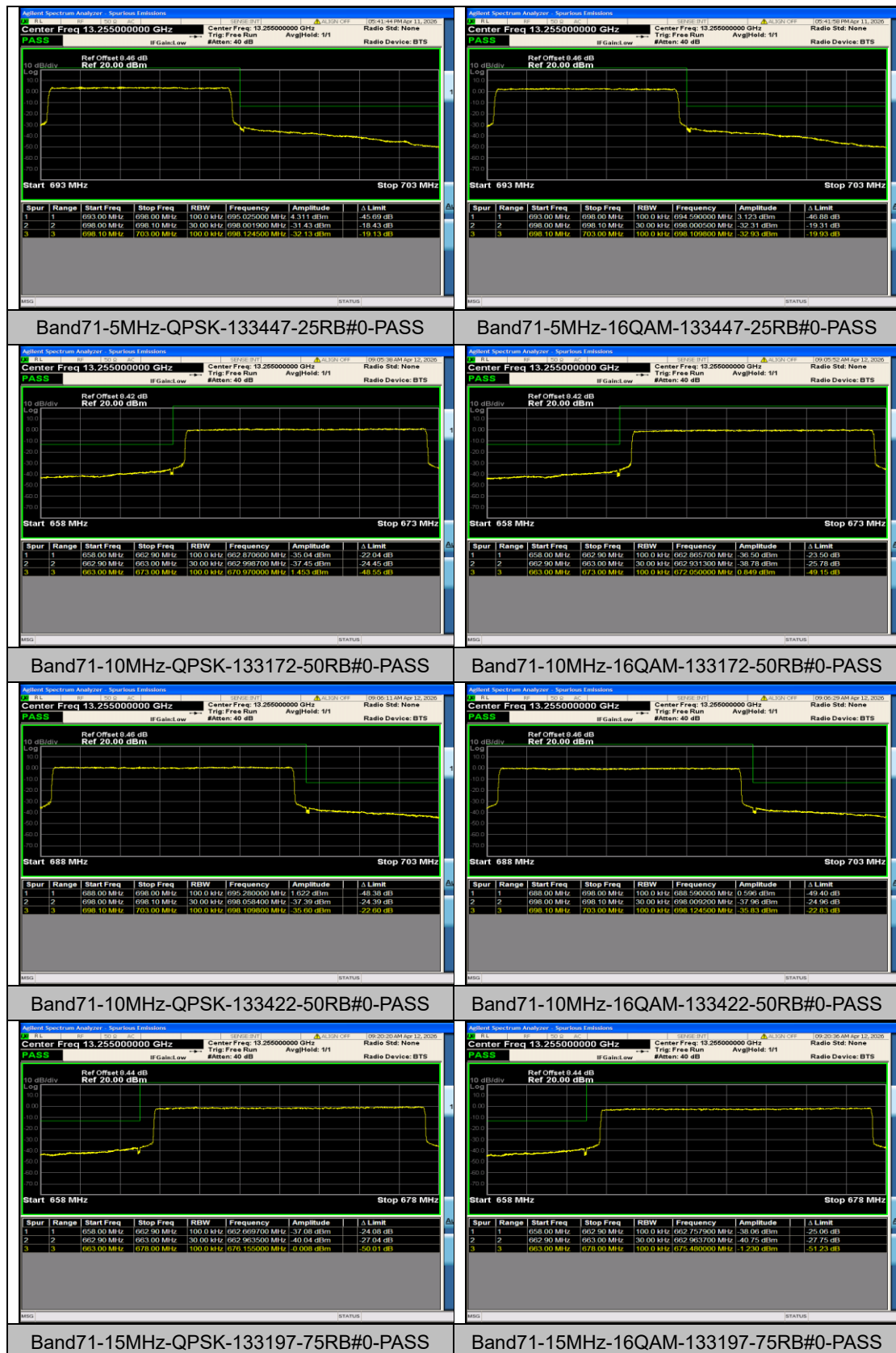
Appendix C: Band Edge

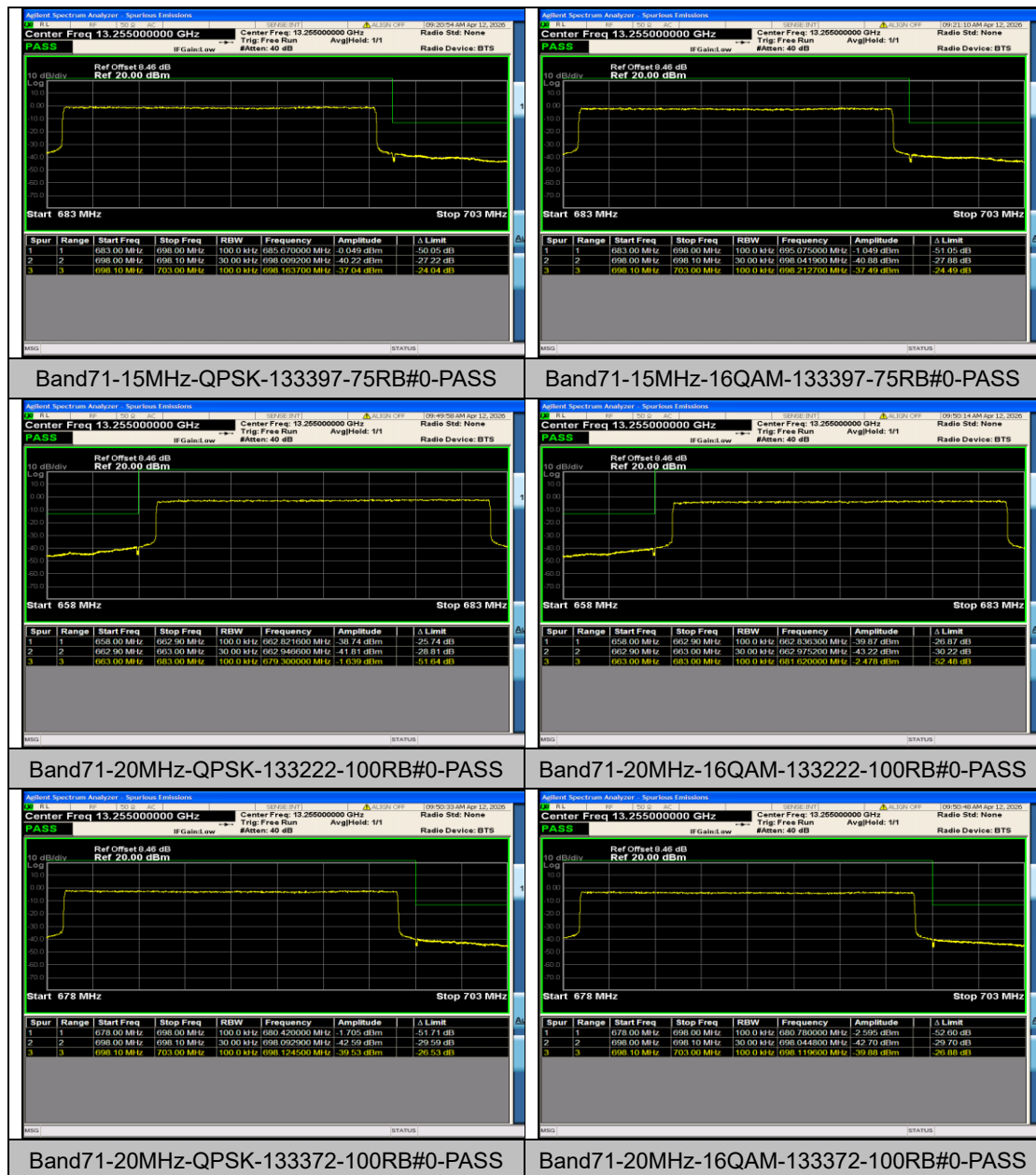
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	-31.16	PASS
Band71	5MHz	16QAM	133147	25RB#0	-32.63	PASS
Band71	5MHz	QPSK	133447	25RB#0	-31.43	PASS
Band71	5MHz	16QAM	133447	25RB#0	-32.31	PASS
Band71	10MHz	QPSK	133172	50RB#0	-35.04	PASS
Band71	10MHz	16QAM	133172	50RB#0	-36.50	PASS
Band71	10MHz	QPSK	133422	50RB#0	-35.60	PASS
Band71	10MHz	16QAM	133422	50RB#0	-35.83	PASS
Band71	15MHz	QPSK	133197	75RB#0	-37.08	PASS
Band71	15MHz	16QAM	133197	75RB#0	-38.06	PASS
Band71	15MHz	QPSK	133397	75RB#0	-37.04	PASS
Band71	15MHz	16QAM	133397	75RB#0	-37.49	PASS
Band71	20MHz	QPSK	133222	100RB#0	-38.74	PASS
Band71	20MHz	16QAM	133222	100RB#0	-39.87	PASS
Band71	20MHz	QPSK	133372	100RB#0	-39.53	PASS
Band71	20MHz	16QAM	133372	100RB#0	-39.88	PASS

Test Graphs







Appendix D: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	0.009~0.15	-59.55	PASS
Band71	5MHz	QPSK	133147	25RB#0	0.15~30	-50.25	PASS
Band71	5MHz	QPSK	133147	25RB#0	30~1000	-48.20	PASS
Band71	5MHz	QPSK	133147	25RB#0	1000~3000	-48.09	PASS
Band71	5MHz	QPSK	133147	25RB#0	3000~10000	-44.05	PASS
Band71	5MHz	16QAM	133147	25RB#0	0.009~0.15	-60.46	PASS
Band71	5MHz	16QAM	133147	25RB#0	0.15~30	-51.76	PASS
Band71	5MHz	16QAM	133147	25RB#0	30~1000	-45.07	PASS
Band71	5MHz	16QAM	133147	25RB#0	1000~3000	-48.18	PASS
Band71	5MHz	16QAM	133147	25RB#0	3000~10000	-43.82	PASS
Band71	5MHz	QPSK	133297	25RB#0	0.009~0.15	-61.19	PASS
Band71	5MHz	QPSK	133297	25RB#0	0.15~30	-52.70	PASS
Band71	5MHz	QPSK	133297	25RB#0	30~1000	-58.50	PASS
Band71	5MHz	QPSK	133297	25RB#0	1000~3000	-48.08	PASS
Band71	5MHz	QPSK	133297	25RB#0	3000~10000	-44.25	PASS
Band71	5MHz	16QAM	133297	25RB#0	0.009~0.15	-60.50	PASS
Band71	5MHz	16QAM	133297	25RB#0	0.15~30	-50.62	PASS
Band71	5MHz	16QAM	133297	25RB#0	30~1000	-58.39	PASS
Band71	5MHz	16QAM	133297	25RB#0	1000~3000	-48.06	PASS
Band71	5MHz	16QAM	133297	25RB#0	3000~10000	-44.22	PASS
Band71	5MHz	QPSK	133447	25RB#0	0.009~0.15	-60.03	PASS
Band71	5MHz	QPSK	133447	25RB#0	0.15~30	-52.92	PASS
Band71	5MHz	QPSK	133447	25RB#0	30~1000	-44.64	PASS
Band71	5MHz	QPSK	133447	25RB#0	1000~3000	-48.05	PASS
Band71	5MHz	QPSK	133447	25RB#0	3000~10000	-44.05	PASS
Band71	5MHz	16QAM	133447	25RB#0	0.009~0.15	-60.96	PASS
Band71	5MHz	16QAM	133447	25RB#0	0.15~30	-54.07	PASS
Band71	5MHz	16QAM	133447	25RB#0	30~1000	-47.21	PASS
Band71	5MHz	16QAM	133447	25RB#0	1000~3000	-47.81	PASS
Band71	5MHz	16QAM	133447	25RB#0	3000~10000	-44.14	PASS
Band71	10MHz	QPSK	133172	50RB#0	0.009~0.15	-60.34	PASS
Band71	10MHz	QPSK	133172	50RB#0	0.15~30	-51.82	PASS
Band71	10MHz	QPSK	133172	50RB#0	30~1000	-36.85	PASS
Band71	10MHz	QPSK	133172	50RB#0	1000~3000	-48.57	PASS
Band71	10MHz	QPSK	133172	50RB#0	3000~10000	-43.91	PASS
Band71	10MHz	16QAM	133172	50RB#0	0.009~0.15	-60.00	PASS

Band71	10MHz	16QAM	133172	50RB#0	0.15~30	-50.53	PASS
Band71	10MHz	16QAM	133172	50RB#0	30~1000	-38.13	PASS
Band71	10MHz	16QAM	133172	50RB#0	1000~3000	-48.31	PASS
Band71	10MHz	16QAM	133172	50RB#0	3000~10000	-43.51	PASS
Band71	10MHz	QPSK	133297	50RB#0	0.009~0.15	-60.40	PASS
Band71	10MHz	QPSK	133297	50RB#0	0.15~30	-52.74	PASS
Band71	10MHz	QPSK	133297	50RB#0	30~1000	-54.03	PASS
Band71	10MHz	QPSK	133297	50RB#0	1000~3000	-48.32	PASS
Band71	10MHz	QPSK	133297	50RB#0	3000~10000	-43.34	PASS
Band71	10MHz	16QAM	133297	50RB#0	0.009~0.15	-59.80	PASS
Band71	10MHz	16QAM	133297	50RB#0	0.15~30	-53.10	PASS
Band71	10MHz	16QAM	133297	50RB#0	30~1000	-54.66	PASS
Band71	10MHz	16QAM	133297	50RB#0	1000~3000	-48.22	PASS
Band71	10MHz	16QAM	133297	50RB#0	3000~10000	-43.70	PASS
Band71	10MHz	QPSK	133422	50RB#0	0.009~0.15	-60.16	PASS
Band71	10MHz	QPSK	133422	50RB#0	0.15~30	-52.49	PASS
Band71	10MHz	QPSK	133422	50RB#0	30~1000	-37.22	PASS
Band71	10MHz	QPSK	133422	50RB#0	1000~3000	-48.25	PASS
Band71	10MHz	QPSK	133422	50RB#0	3000~10000	-42.98	PASS
Band71	10MHz	16QAM	133422	50RB#0	0.009~0.15	-61.02	PASS
Band71	10MHz	16QAM	133422	50RB#0	0.15~30	-52.59	PASS
Band71	10MHz	16QAM	133422	50RB#0	30~1000	-38.76	PASS
Band71	10MHz	16QAM	133422	50RB#0	1000~3000	-48.22	PASS
Band71	10MHz	16QAM	133422	50RB#0	3000~10000	-43.33	PASS
Band71	15MHz	QPSK	133197	75RB#0	0.009~0.15	-60.50	PASS
Band71	15MHz	QPSK	133197	75RB#0	0.15~30	-51.06	PASS
Band71	15MHz	QPSK	133197	75RB#0	30~1000	-36.54	PASS
Band71	15MHz	QPSK	133197	75RB#0	1000~3000	-48.27	PASS
Band71	15MHz	QPSK	133197	75RB#0	3000~10000	-43.41	PASS
Band71	15MHz	16QAM	133197	75RB#0	0.009~0.15	-60.48	PASS
Band71	15MHz	16QAM	133197	75RB#0	0.15~30	-50.53	PASS
Band71	15MHz	16QAM	133197	75RB#0	30~1000	-36.31	PASS
Band71	15MHz	16QAM	133197	75RB#0	1000~3000	-48.26	PASS
Band71	15MHz	16QAM	133197	75RB#0	3000~10000	-43.54	PASS
Band71	15MHz	QPSK	133297	75RB#0	0.009~0.15	-59.92	PASS
Band71	15MHz	QPSK	133297	75RB#0	0.15~30	-53.32	PASS
Band71	15MHz	QPSK	133297	75RB#0	30~1000	-47.69	PASS
Band71	15MHz	QPSK	133297	75RB#0	1000~3000	-47.87	PASS
Band71	15MHz	QPSK	133297	75RB#0	3000~10000	-43.49	PASS
Band71	15MHz	16QAM	133297	75RB#0	0.009~0.15	-60.63	PASS
Band71	15MHz	16QAM	133297	75RB#0	0.15~30	-52.21	PASS
Band71	15MHz	16QAM	133297	75RB#0	30~1000	-47.96	PASS
Band71	15MHz	16QAM	133297	75RB#0	1000~3000	-48.35	PASS

Band71	15MHz	16QAM	133297	75RB#0	3000~10000	-43.62	PASS
Band71	15MHz	QPSK	133397	75RB#0	0.009~0.15	-60.76	PASS
Band71	15MHz	QPSK	133397	75RB#0	0.15~30	-50.93	PASS
Band71	15MHz	QPSK	133397	75RB#0	30~1000	-50.38	PASS
Band71	15MHz	QPSK	133397	75RB#0	1000~3000	-48.28	PASS
Band71	15MHz	QPSK	133397	75RB#0	3000~10000	-43.38	PASS
Band71	15MHz	16QAM	133397	75RB#0	0.009~0.15	-60.07	PASS
Band71	15MHz	16QAM	133397	75RB#0	0.15~30	-51.35	PASS
Band71	15MHz	16QAM	133397	75RB#0	30~1000	-52.73	PASS
Band71	15MHz	16QAM	133397	75RB#0	1000~3000	-48.13	PASS
Band71	15MHz	16QAM	133397	75RB#0	3000~10000	-43.21	PASS
Band71	20MHz	QPSK	133222	100RB#0	0.009~0.15	-60.95	PASS
Band71	20MHz	QPSK	133222	100RB#0	0.15~30	-52.06	PASS
Band71	20MHz	QPSK	133222	100RB#0	1000~3000	-48.21	PASS
Band71	20MHz	QPSK	133222	100RB#0	3000~10000	-44.37	PASS
Band71	20MHz	16QAM	133222	100RB#0	0.009~0.15	-60.00	PASS
Band71	20MHz	16QAM	133222	100RB#0	0.15~30	-52.21	PASS
Band71	20MHz	16QAM	133222	100RB#0	1000~3000	-48.06	PASS
Band71	20MHz	16QAM	133222	100RB#0	3000~10000	-44.11	PASS
Band71	20MHz	QPSK	133322	100RB#0	0.009~0.15	-60.03	PASS
Band71	20MHz	QPSK	133322	100RB#0	0.15~30	-52.04	PASS
Band71	20MHz	QPSK	133322	100RB#0	1000~3000	-48.17	PASS
Band71	20MHz	QPSK	133322	100RB#0	3000~10000	-43.22	PASS
Band71	20MHz	16QAM	133322	100RB#0	0.009~0.15	-60.22	PASS
Band71	20MHz	16QAM	133322	100RB#0	0.15~30	-53.72	PASS
Band71	20MHz	16QAM	133322	100RB#0	1000~3000	-48.11	PASS
Band71	20MHz	16QAM	133322	100RB#0	3000~10000	-44.30	PASS
Band71	20MHz	QPSK	133372	100RB#0	0.009~0.15	-60.85	PASS
Band71	20MHz	QPSK	133372	100RB#0	0.15~30	-53.76	PASS
Band71	20MHz	QPSK	133372	100RB#0	1000~3000	-48.28	PASS
Band71	20MHz	QPSK	133372	100RB#0	3000~10000	-44.34	PASS
Band71	20MHz	16QAM	133372	100RB#0	0.009~0.15	-60.21	PASS
Band71	20MHz	16QAM	133372	100RB#0	0.15~30	-52.14	PASS
Band71	20MHz	16QAM	133372	100RB#0	1000~3000	-48.18	PASS
Band71	20MHz	16QAM	133372	100RB#0	3000~10000	-43.86	PASS

Test Graphs

