

FCC Appendix RF Test Data for LTE Band 71

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

EUT : Smart Phone

Model Number : K21

FCC ID : R38YLCPK21

Report No. : CTA25091901813

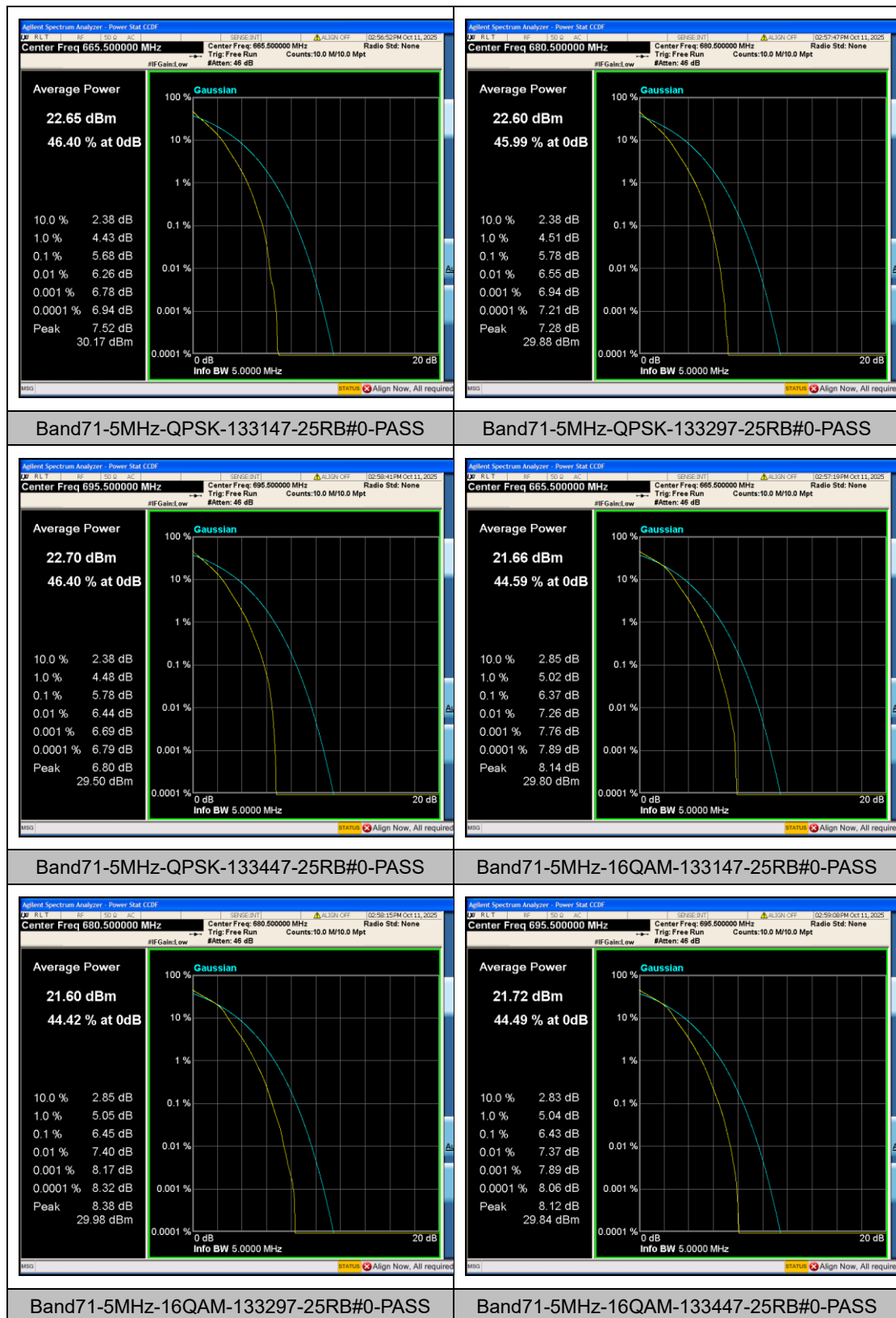
Reviewed By : Eric Wang

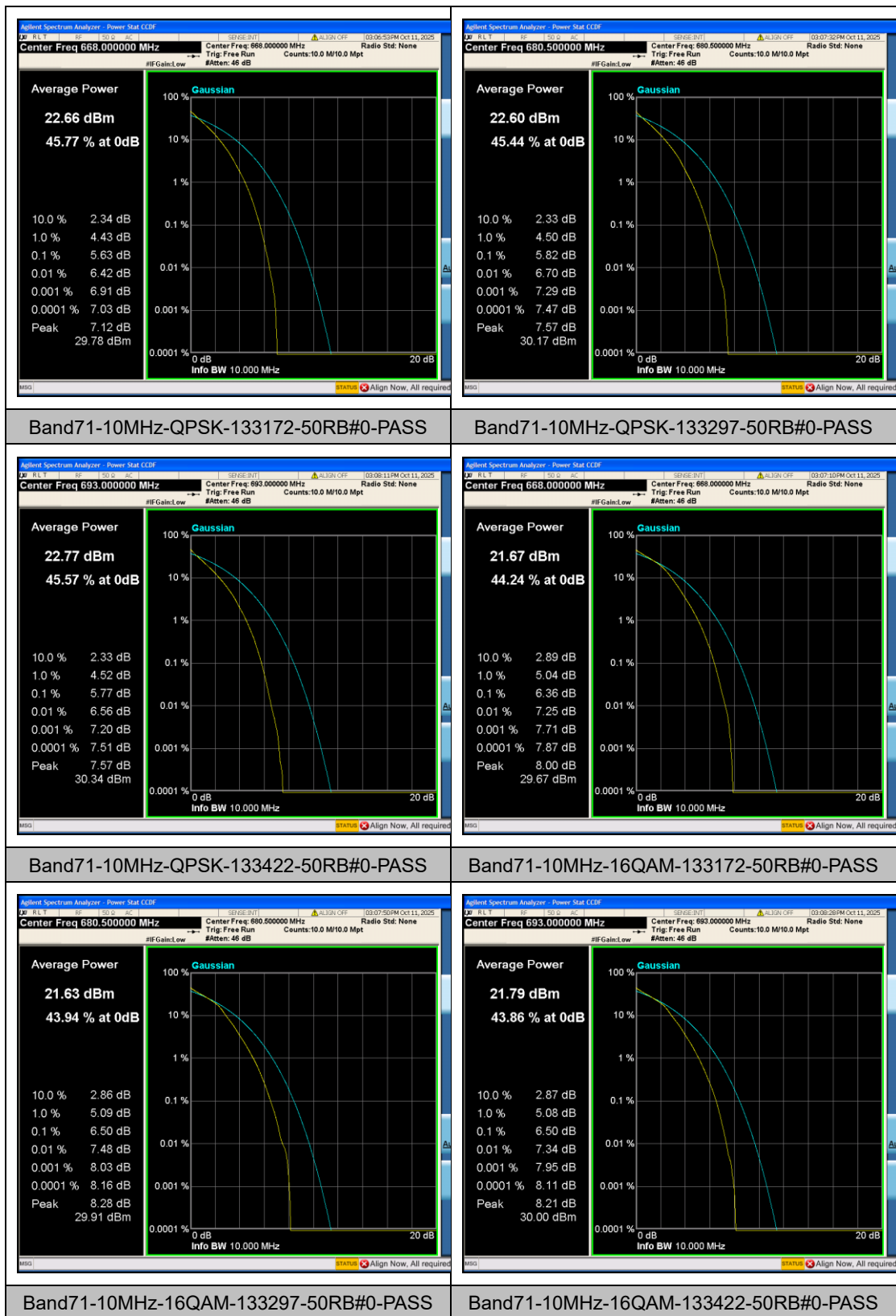
Appendix B: Peak-to-Average Ratio(CCDF)

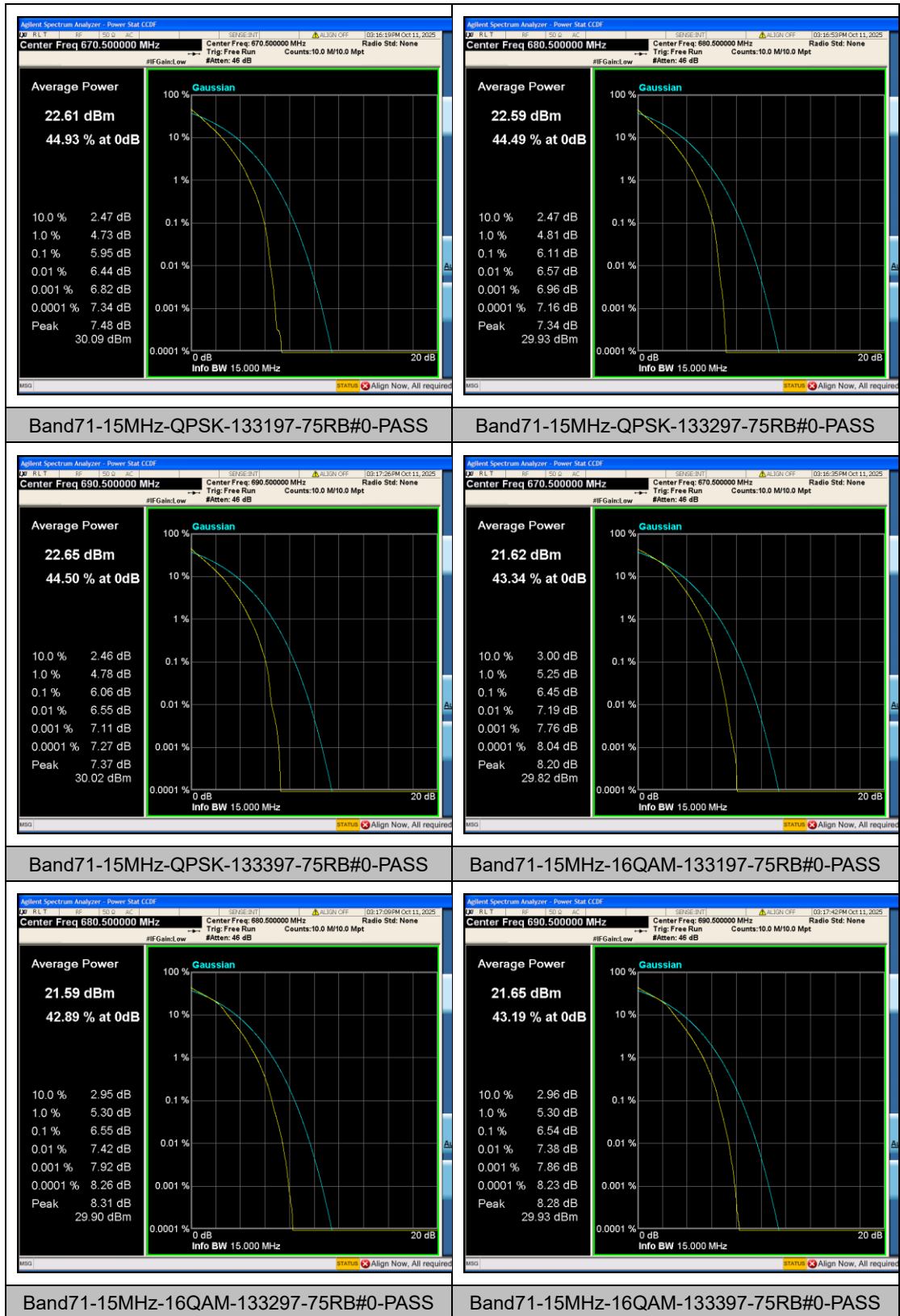
Test Result

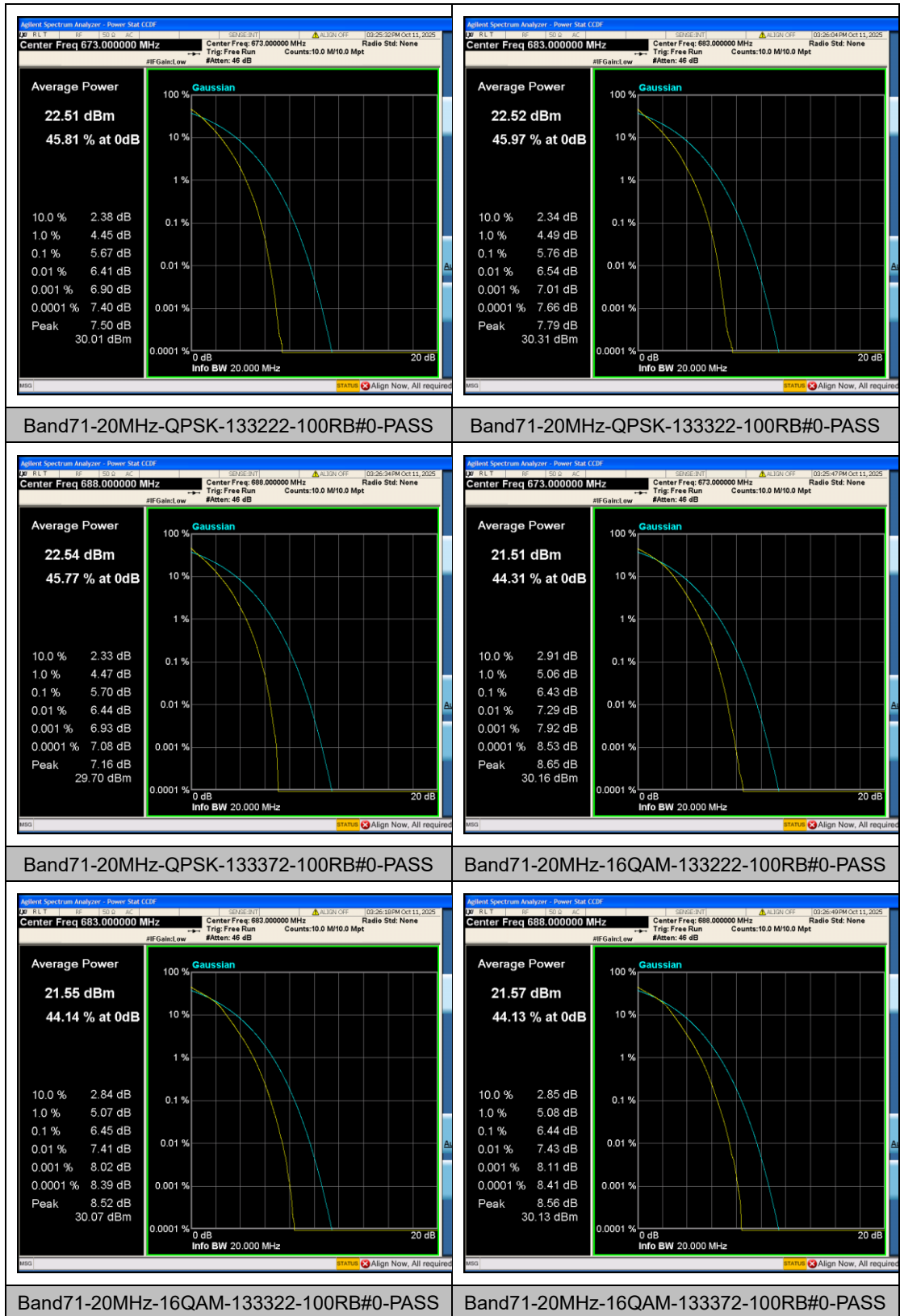
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	5.68	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	5.78	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	5.78	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	6.37	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.45	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	6.43	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	5.63	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.82	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.77	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	6.36	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.50	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	6.50	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	5.95	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	6.11	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	6.06	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	6.45	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.55	13	PASS
Band71	15MHz	16QAM	133397	75RB#0	6.54	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.67	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.76	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.70	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.43	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.45	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.44	13	PASS

Test Graphs







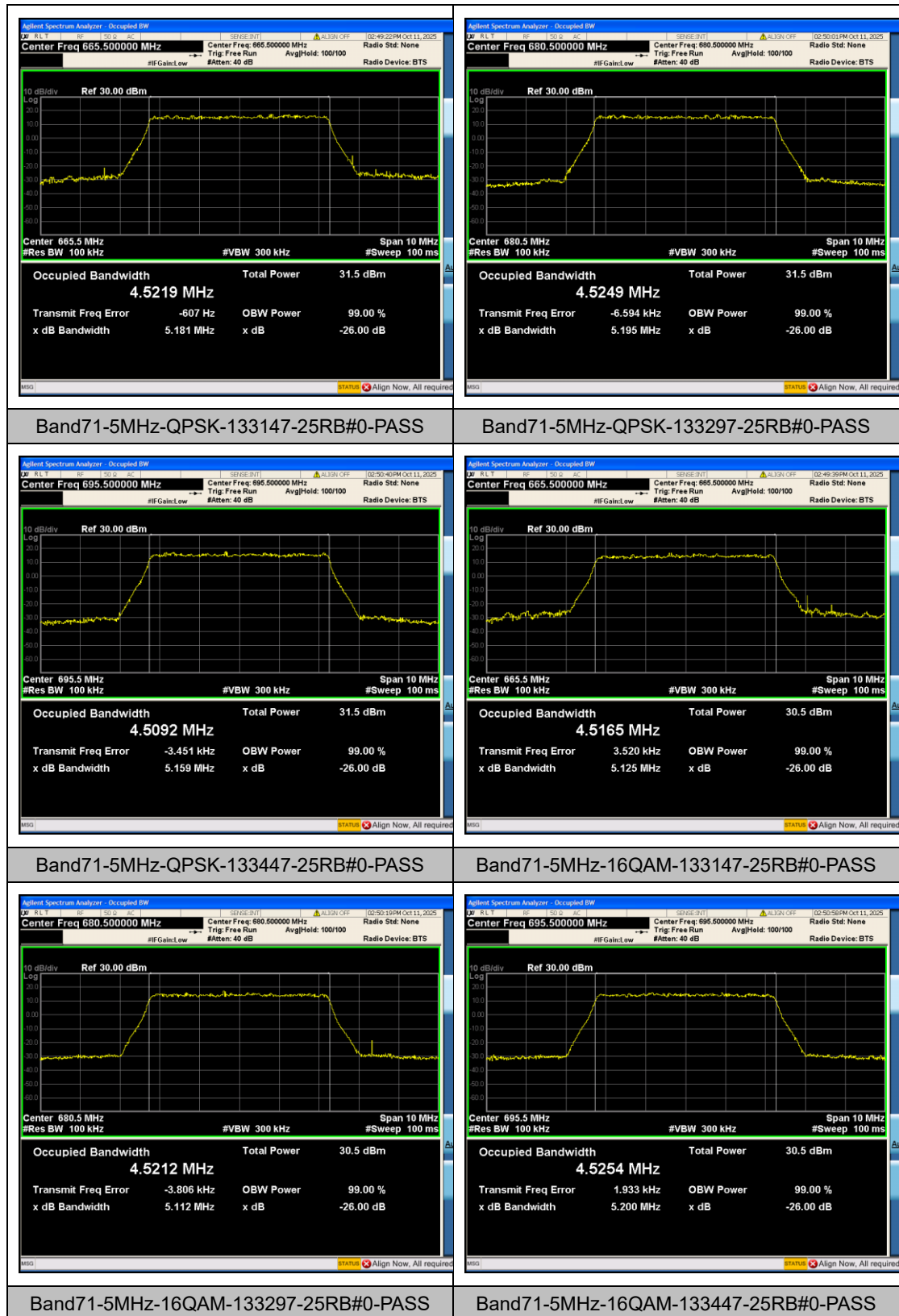


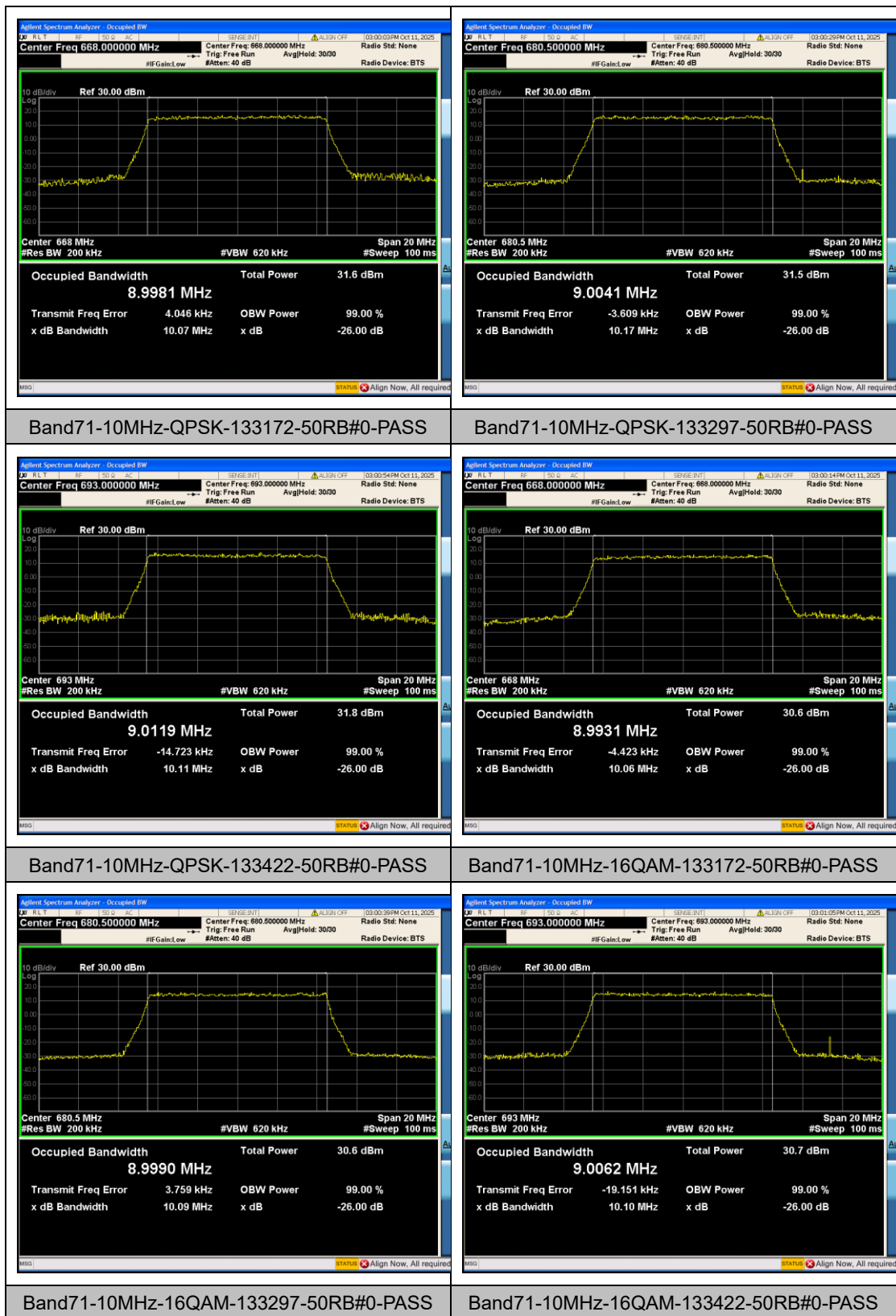
Appendix C: 26dB Bandwidth and Occupied Bandwidth

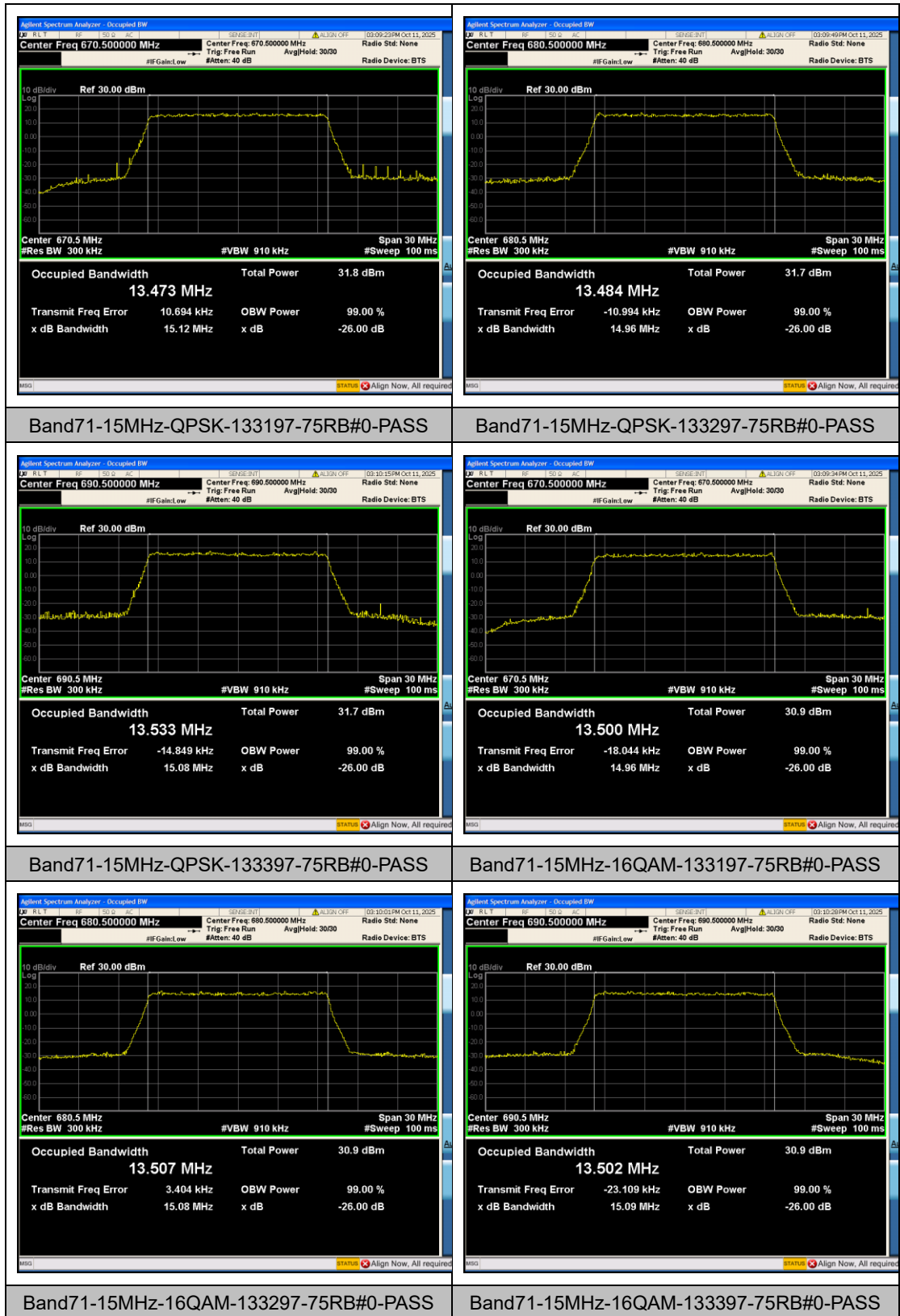
Test Result

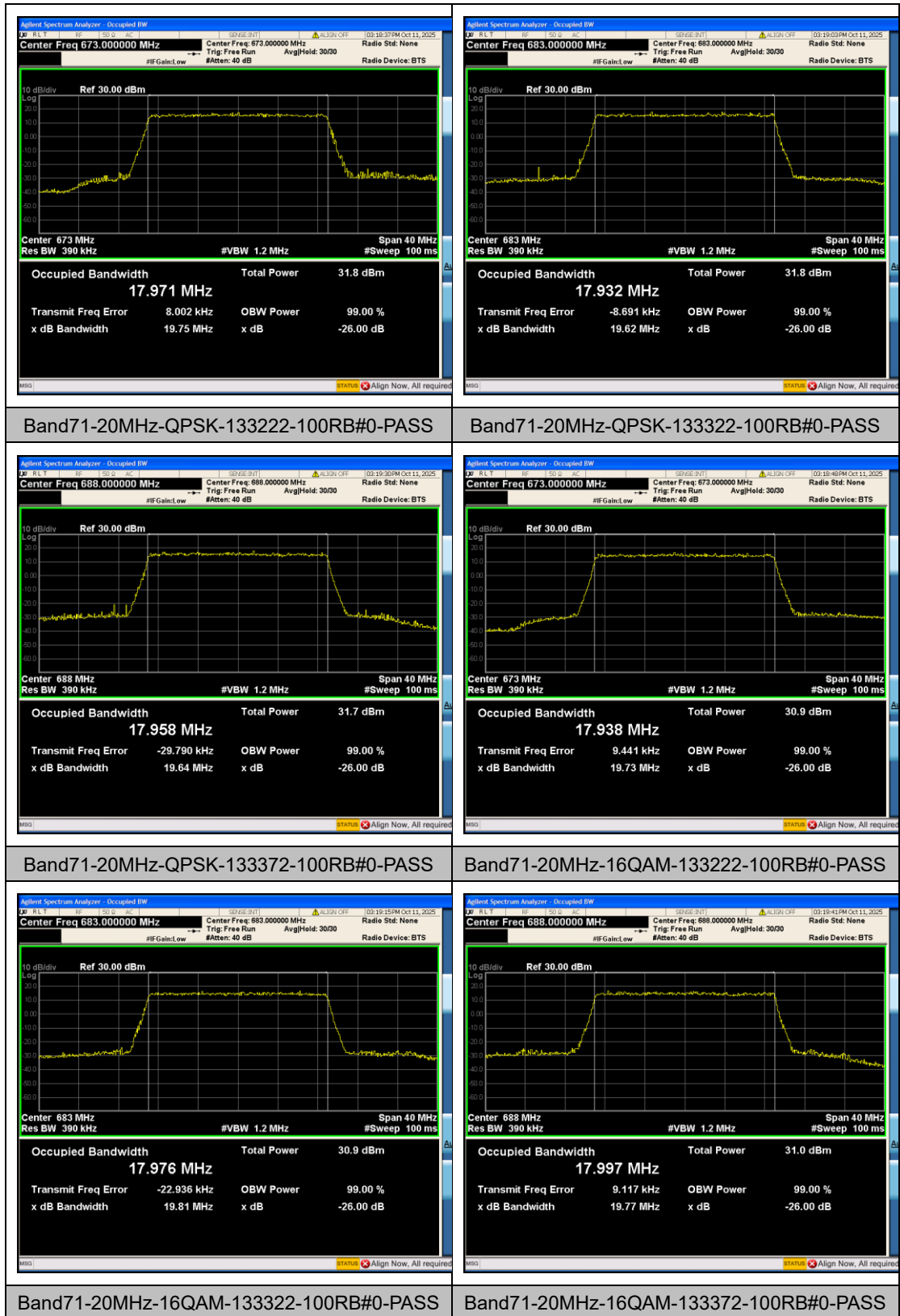
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.5219	5.181	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.5249	5.195	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.5092	5.159	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.5165	5.125	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.5212	5.112	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.5254	5.200	PASS
Band71	10MHz	QPSK	133172	50RB#0	8.9981	10.07	PASS
Band71	10MHz	QPSK	133297	50RB#0	9.0041	10.17	PASS
Band71	10MHz	QPSK	133422	50RB#0	9.0119	10.11	PASS
Band71	10MHz	16QAM	133172	50RB#0	8.9931	10.06	PASS
Band71	10MHz	16QAM	133297	50RB#0	8.9990	10.09	PASS
Band71	10MHz	16QAM	133422	50RB#0	9.0062	10.10	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.473	15.12	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.484	14.96	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.533	15.08	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.500	14.96	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.507	15.08	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.502	15.09	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.971	19.75	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.932	19.62	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.958	19.64	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.938	19.73	PASS
Band71	20MHz	16QAM	133322	100RB#0	17.976	19.81	PASS
Band71	20MHz	16QAM	133372	100RB#0	17.997	19.77	PASS

Test Graphs







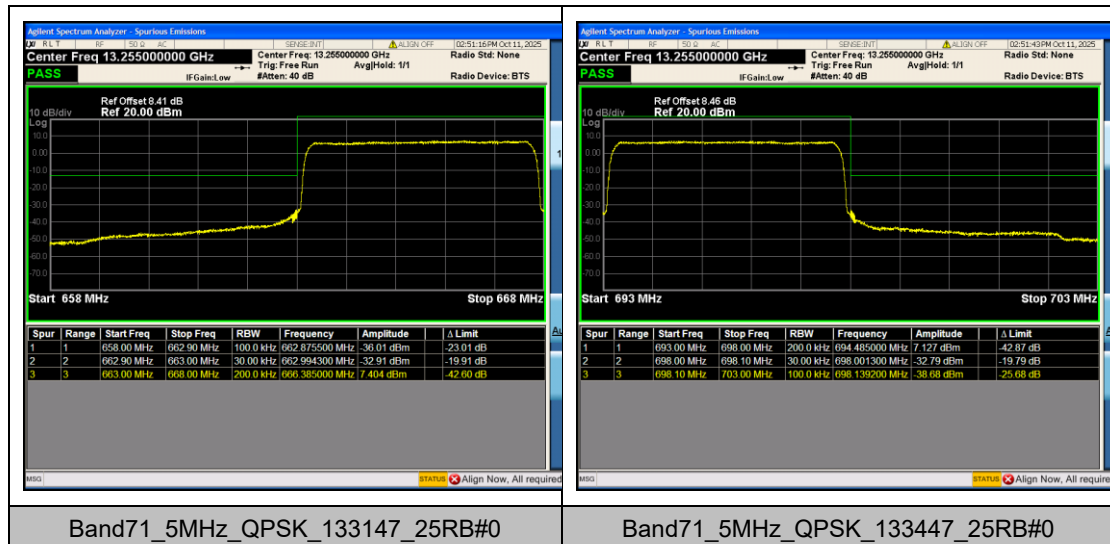


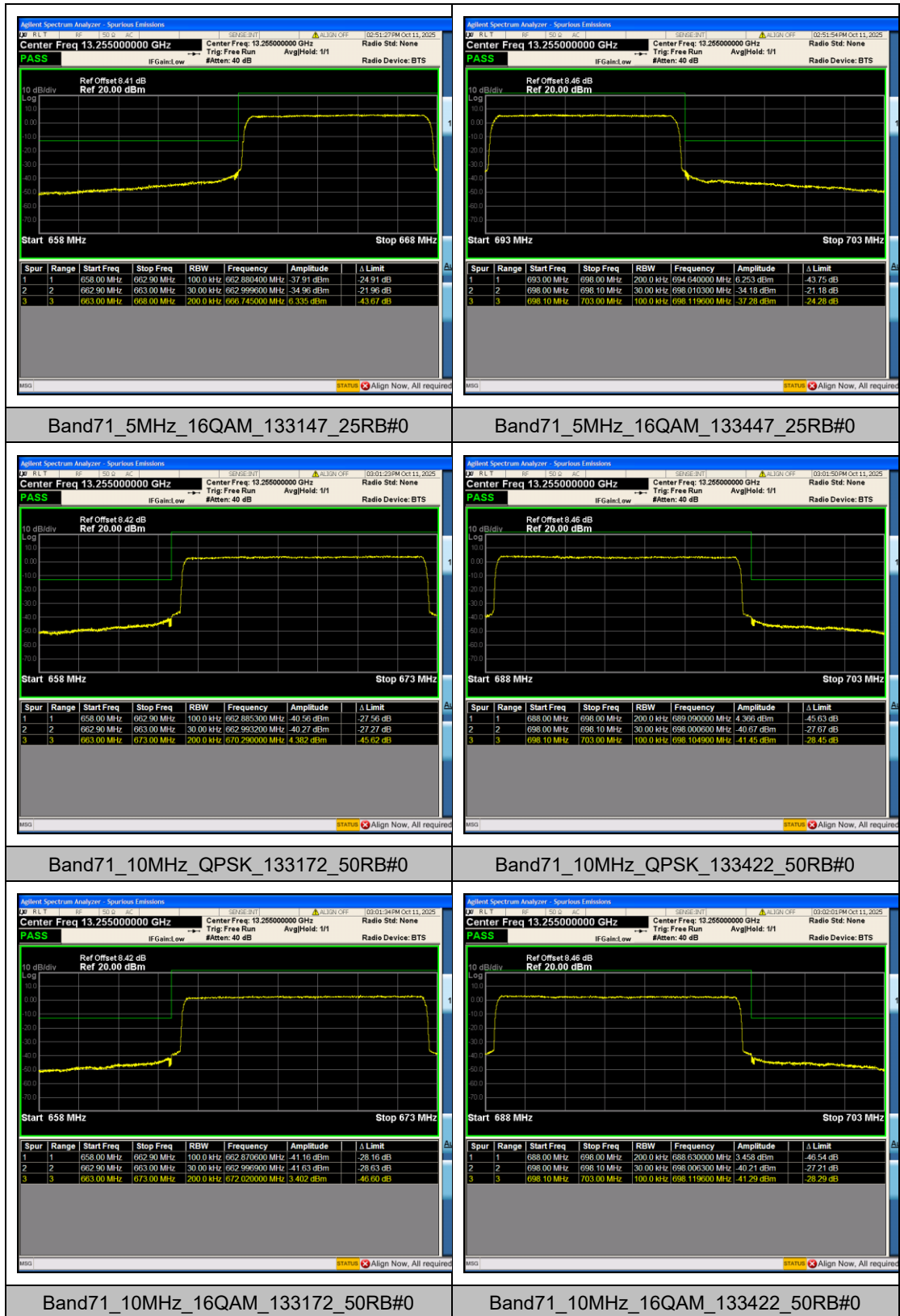
Appendix D: Band Edge

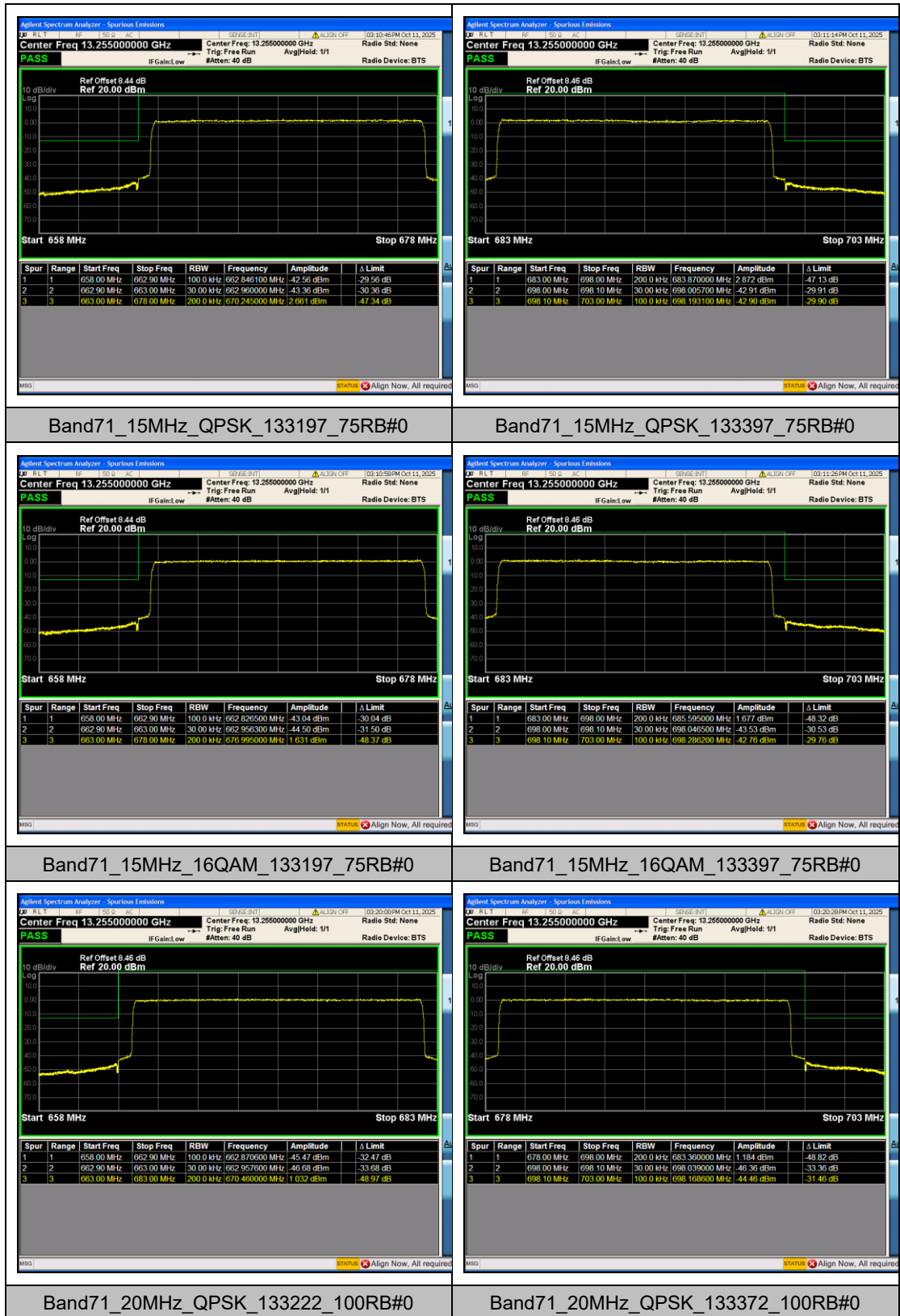
Test Result

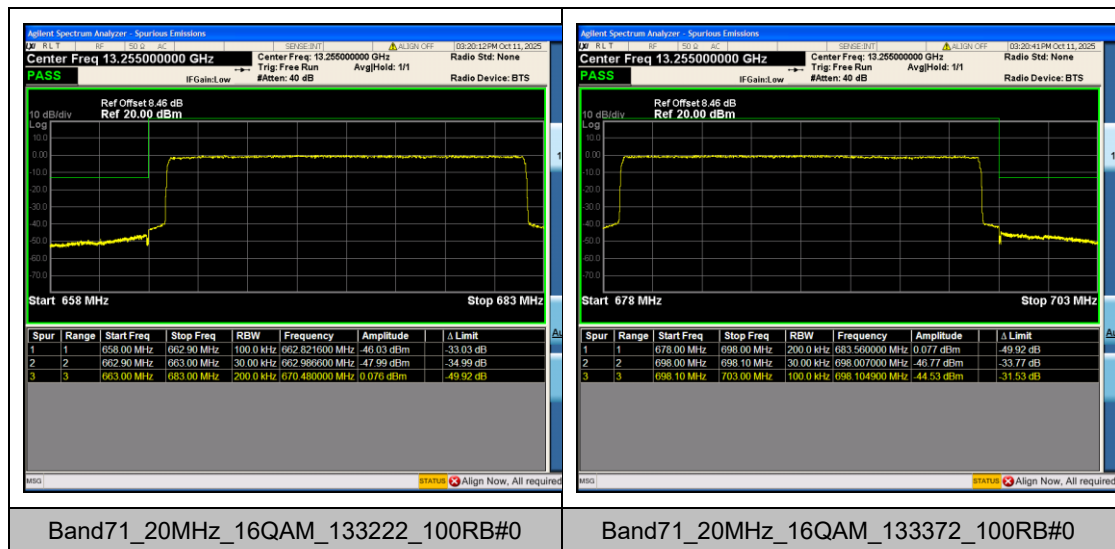
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	-32.91	PASS
Band71	5MHz	QPSK	133447	25RB#0	-32.79	PASS
Band71	5MHz	16QAM	133147	25RB#0	-34.96	PASS
Band71	5MHz	16QAM	133447	25RB#0	-34.18	PASS
Band71	10MHz	QPSK	133172	50RB#0	-40.27	PASS
Band71	10MHz	QPSK	133422	50RB#0	-40.67	PASS
Band71	10MHz	16QAM	133172	50RB#0	-41.16	PASS
Band71	10MHz	16QAM	133422	50RB#0	-40.21	PASS
Band71	15MHz	QPSK	133197	75RB#0	-42.56	PASS
Band71	15MHz	QPSK	133397	75RB#0	-42.90	PASS
Band71	15MHz	16QAM	133197	75RB#0	-43.04	PASS
Band71	15MHz	16QAM	133397	75RB#0	-42.76	PASS
Band71	20MHz	QPSK	133222	100RB#0	-45.47	PASS
Band71	20MHz	QPSK	133372	100RB#0	-44.46	PASS
Band71	20MHz	16QAM	133222	100RB#0	-46.03	PASS
Band71	20MHz	16QAM	133372	100RB#0	-44.53	PASS

Test Graphs









Appendix E: 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	-40.01	PASS
Band71	5MHz	QPSK	133147	25RB#0	0.15~30	-52.61	PASS
Band71	5MHz	QPSK	133147	25RB#0	30~1000	-50.25	PASS
Band71	5MHz	QPSK	133147	25RB#0	1000~3000	-46.73	PASS
Band71	5MHz	QPSK	133147	25RB#0	3000~10000	-44.02	PASS
Band71	5MHz	QPSK	133297	25RB#0	0.009~0.15	-40.56	PASS
Band71	5MHz	QPSK	133297	25RB#0	0.15~30	-52.37	PASS
Band71	5MHz	QPSK	133297	25RB#0	30~1000	-50.11	PASS
Band71	5MHz	QPSK	133297	25RB#0	1000~3000	-46.91	PASS
Band71	5MHz	QPSK	133297	25RB#0	3000~10000	-43.82	PASS
Band71	5MHz	QPSK	133447	25RB#0	0.009~0.15	-41.58	PASS
Band71	5MHz	QPSK	133447	25RB#0	0.15~30	-52.39	PASS
Band71	5MHz	QPSK	133447	25RB#0	30~1000	-50.05	PASS
Band71	5MHz	QPSK	133447	25RB#0	1000~3000	-46.69	PASS
Band71	5MHz	QPSK	133447	25RB#0	3000~10000	-43.31	PASS
Band71	5MHz	16QAM	133147	25RB#0	0.009~0.15	-43.62	PASS
Band71	5MHz	16QAM	133147	25RB#0	0.15~30	-54.81	PASS
Band71	5MHz	16QAM	133147	25RB#0	30~1000	-51.86	PASS
Band71	5MHz	16QAM	133147	25RB#0	1000~3000	-46.50	PASS
Band71	5MHz	16QAM	133147	25RB#0	3000~10000	-43.87	PASS
Band71	5MHz	16QAM	133297	25RB#0	0.009~0.15	-39.80	PASS
Band71	5MHz	16QAM	133297	25RB#0	0.15~30	-55.54	PASS
Band71	5MHz	16QAM	133297	25RB#0	30~1000	-51.47	PASS
Band71	5MHz	16QAM	133297	25RB#0	1000~3000	-46.58	PASS
Band71	5MHz	16QAM	133297	25RB#0	3000~10000	-43.60	PASS
Band71	5MHz	16QAM	133447	25RB#0	0.009~0.15	-41.37	PASS
Band71	5MHz	16QAM	133447	25RB#0	0.15~30	-54.68	PASS
Band71	5MHz	16QAM	133447	25RB#0	30~1000	-52.17	PASS
Band71	5MHz	16QAM	133447	25RB#0	1000~3000	-46.65	PASS
Band71	5MHz	16QAM	133447	25RB#0	3000~10000	-43.59	PASS
Band71	10MHz	QPSK	133172	50RB#0	0.009~0.15	-43.67	PASS
Band71	10MHz	QPSK	133172	50RB#0	0.15~30	-51.89	PASS
Band71	10MHz	QPSK	133172	50RB#0	30~1000	-53.32	PASS
Band71	10MHz	QPSK	133172	50RB#0	1000~3000	-46.94	PASS
Band71	10MHz	QPSK	133172	50RB#0	3000~10000	-43.50	PASS
Band71	10MHz	QPSK	133297	50RB#0	0.009~0.15	-37.07	PASS

Band71	10MHz	QPSK	133297	50RB#0	0.15~30	-54.42	PASS
Band71	10MHz	QPSK	133297	50RB#0	30~1000	-59.92	PASS
Band71	10MHz	QPSK	133297	50RB#0	1000~3000	-46.89	PASS
Band71	10MHz	QPSK	133297	50RB#0	3000~10000	-43.81	PASS
Band71	10MHz	QPSK	133422	50RB#0	0.009~0.15	-41.89	PASS
Band71	10MHz	QPSK	133422	50RB#0	0.15~30	-53.09	PASS
Band71	10MHz	QPSK	133422	50RB#0	30~1000	-53.08	PASS
Band71	10MHz	QPSK	133422	50RB#0	1000~3000	-46.94	PASS
Band71	10MHz	QPSK	133422	50RB#0	3000~10000	-43.92	PASS
Band71	10MHz	16QAM	133172	50RB#0	0.009~0.15	-41.16	PASS
Band71	10MHz	16QAM	133172	50RB#0	0.15~30	-53.06	PASS
Band71	10MHz	16QAM	133172	50RB#0	30~1000	-55.17	PASS
Band71	10MHz	16QAM	133172	50RB#0	1000~3000	-46.58	PASS
Band71	10MHz	16QAM	133172	50RB#0	3000~10000	-43.34	PASS
Band71	10MHz	16QAM	133297	50RB#0	0.009~0.15	-40.70	PASS
Band71	10MHz	16QAM	133297	50RB#0	0.15~30	-54.20	PASS
Band71	10MHz	16QAM	133297	50RB#0	30~1000	-59.99	PASS
Band71	10MHz	16QAM	133297	50RB#0	1000~3000	-46.73	PASS
Band71	10MHz	16QAM	133297	50RB#0	3000~10000	-43.84	PASS
Band71	10MHz	16QAM	133422	50RB#0	0.009~0.15	-42.97	PASS
Band71	10MHz	16QAM	133422	50RB#0	0.15~30	-55.41	PASS
Band71	10MHz	16QAM	133422	50RB#0	30~1000	-53.71	PASS
Band71	10MHz	16QAM	133422	50RB#0	1000~3000	-46.91	PASS
Band71	10MHz	16QAM	133422	50RB#0	3000~10000	-43.63	PASS
Band71	15MHz	QPSK	133197	75RB#0	0.009~0.15	-41.15	PASS
Band71	15MHz	QPSK	133197	75RB#0	0.15~30	-54.34	PASS
Band71	15MHz	QPSK	133197	75RB#0	30~1000	-60.73	PASS
Band71	15MHz	QPSK	133197	75RB#0	1000~3000	-46.82	PASS
Band71	15MHz	QPSK	133197	75RB#0	3000~10000	-43.84	PASS
Band71	15MHz	QPSK	133297	75RB#0	0.009~0.15	-41.88	PASS
Band71	15MHz	QPSK	133297	75RB#0	0.15~30	-55.74	PASS
Band71	15MHz	QPSK	133297	75RB#0	30~1000	-57.05	PASS
Band71	15MHz	QPSK	133297	75RB#0	1000~3000	-46.30	PASS
Band71	15MHz	QPSK	133297	75RB#0	3000~10000	-44.07	PASS
Band71	15MHz	QPSK	133397	75RB#0	0.009~0.15	-43.75	PASS
Band71	15MHz	QPSK	133397	75RB#0	0.15~30	-51.41	PASS
Band71	15MHz	QPSK	133397	75RB#0	30~1000	-62.07	PASS
Band71	15MHz	QPSK	133397	75RB#0	1000~3000	-46.93	PASS
Band71	15MHz	QPSK	133397	75RB#0	3000~10000	-43.73	PASS
Band71	15MHz	16QAM	133197	75RB#0	0.009~0.15	-40.26	PASS
Band71	15MHz	16QAM	133197	75RB#0	0.15~30	-53.16	PASS
Band71	15MHz	16QAM	133197	75RB#0	30~1000	-61.43	PASS
Band71	15MHz	16QAM	133197	75RB#0	1000~3000	-46.77	PASS

Band71	15MHz	16QAM	133197	75RB#0	3000~10000	-43.96	PASS
Band71	15MHz	16QAM	133297	75RB#0	0.009~0.15	-39.44	PASS
Band71	15MHz	16QAM	133297	75RB#0	0.15~30	-52.90	PASS
Band71	15MHz	16QAM	133297	75RB#0	30~1000	-60.97	PASS
Band71	15MHz	16QAM	133297	75RB#0	1000~3000	-46.79	PASS
Band71	15MHz	16QAM	133297	75RB#0	3000~10000	-43.50	PASS
Band71	15MHz	16QAM	133397	75RB#0	0.009~0.15	-41.76	PASS
Band71	15MHz	16QAM	133397	75RB#0	0.15~30	-52.13	PASS
Band71	15MHz	16QAM	133397	75RB#0	30~1000	-61.60	PASS
Band71	15MHz	16QAM	133397	75RB#0	1000~3000	-47.01	PASS
Band71	15MHz	16QAM	133397	75RB#0	3000~10000	-43.96	PASS
Band71	20MHz	QPSK	133222	100RB#0	0.009~0.15	-41.93	PASS
Band71	20MHz	QPSK	133222	100RB#0	0.15~30	-53.11	PASS
Band71	20MHz	QPSK	133222	100RB#0	30~1000	-61.90	PASS
Band71	20MHz	QPSK	133222	100RB#0	1000~3000	-46.75	PASS
Band71	20MHz	QPSK	133222	100RB#0	3000~10000	-43.81	PASS
Band71	20MHz	QPSK	133322	100RB#0	0.009~0.15	-40.71	PASS
Band71	20MHz	QPSK	133322	100RB#0	0.15~30	-55.02	PASS
Band71	20MHz	QPSK	133322	100RB#0	30~1000	-61.95	PASS
Band71	20MHz	QPSK	133322	100RB#0	1000~3000	-46.61	PASS
Band71	20MHz	QPSK	133322	100RB#0	3000~10000	-43.82	PASS
Band71	20MHz	QPSK	133372	100RB#0	0.009~0.15	-41.94	PASS
Band71	20MHz	QPSK	133372	100RB#0	0.15~30	-53.19	PASS
Band71	20MHz	QPSK	133372	100RB#0	30~1000	-61.57	PASS
Band71	20MHz	QPSK	133372	100RB#0	1000~3000	-46.92	PASS
Band71	20MHz	QPSK	133372	100RB#0	3000~10000	-43.67	PASS
Band71	20MHz	16QAM	133222	100RB#0	0.009~0.15	-44.32	PASS
Band71	20MHz	16QAM	133222	100RB#0	0.15~30	-53.51	PASS
Band71	20MHz	16QAM	133222	100RB#0	30~1000	-62.14	PASS
Band71	20MHz	16QAM	133222	100RB#0	1000~3000	-46.70	PASS
Band71	20MHz	16QAM	133222	100RB#0	3000~10000	-44.01	PASS
Band71	20MHz	16QAM	133322	100RB#0	0.009~0.15	-41.95	PASS
Band71	20MHz	16QAM	133322	100RB#0	0.15~30	-52.21	PASS
Band71	20MHz	16QAM	133322	100RB#0	30~1000	-61.18	PASS
Band71	20MHz	16QAM	133322	100RB#0	1000~3000	-46.50	PASS
Band71	20MHz	16QAM	133322	100RB#0	3000~10000	-44.03	PASS
Band71	20MHz	16QAM	133372	100RB#0	0.009~0.15	-43.91	PASS
Band71	20MHz	16QAM	133372	100RB#0	0.15~30	-52.23	PASS
Band71	20MHz	16QAM	133372	100RB#0	30~1000	-61.45	PASS
Band71	20MHz	16QAM	133372	100RB#0	1000~3000	-46.53	PASS
Band71	20MHz	16QAM	133372	100RB#0	3000~10000	-43.77	PASS

Test Graphs

