

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. : CTA25040200710

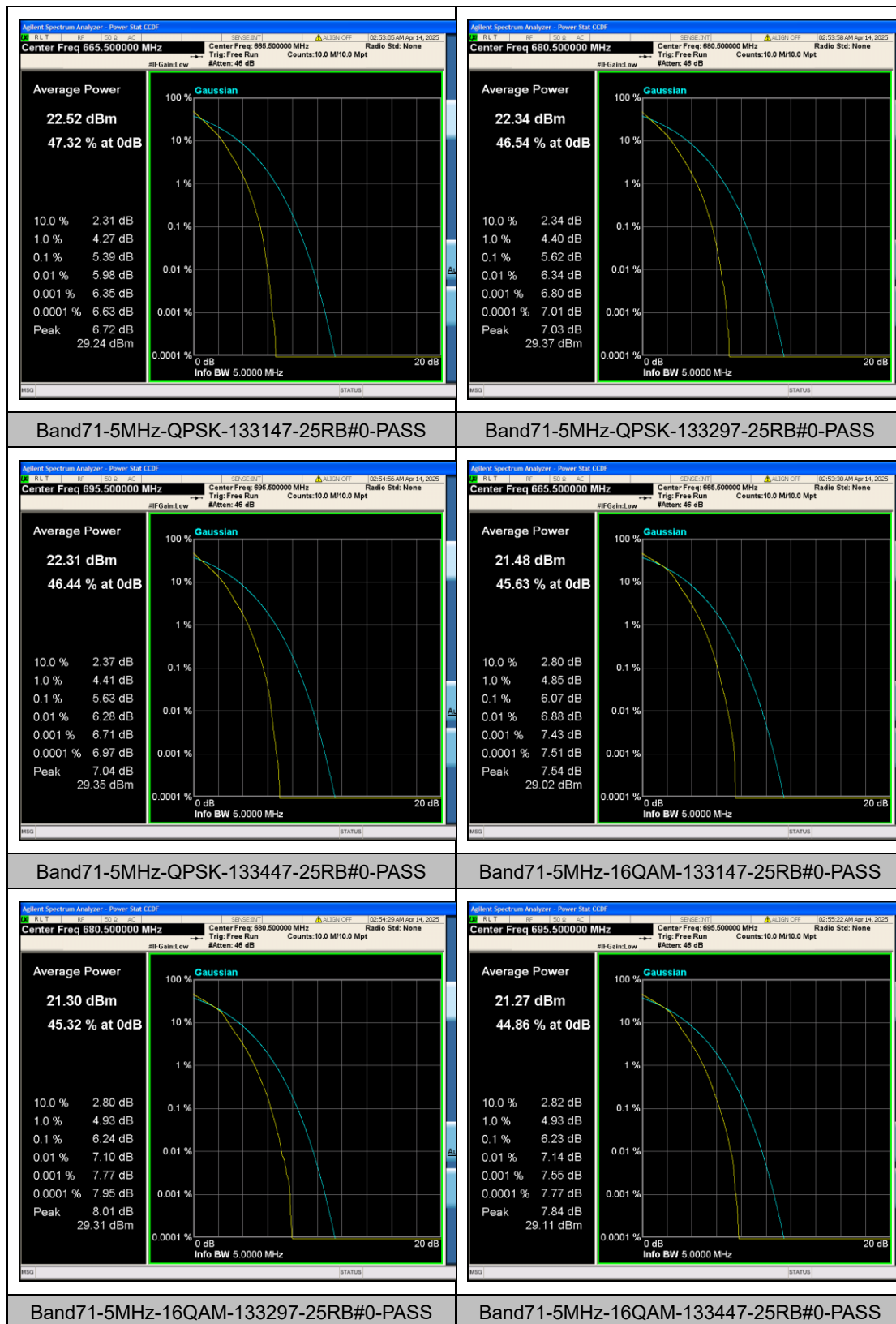
Reviewed By : Eric Wang

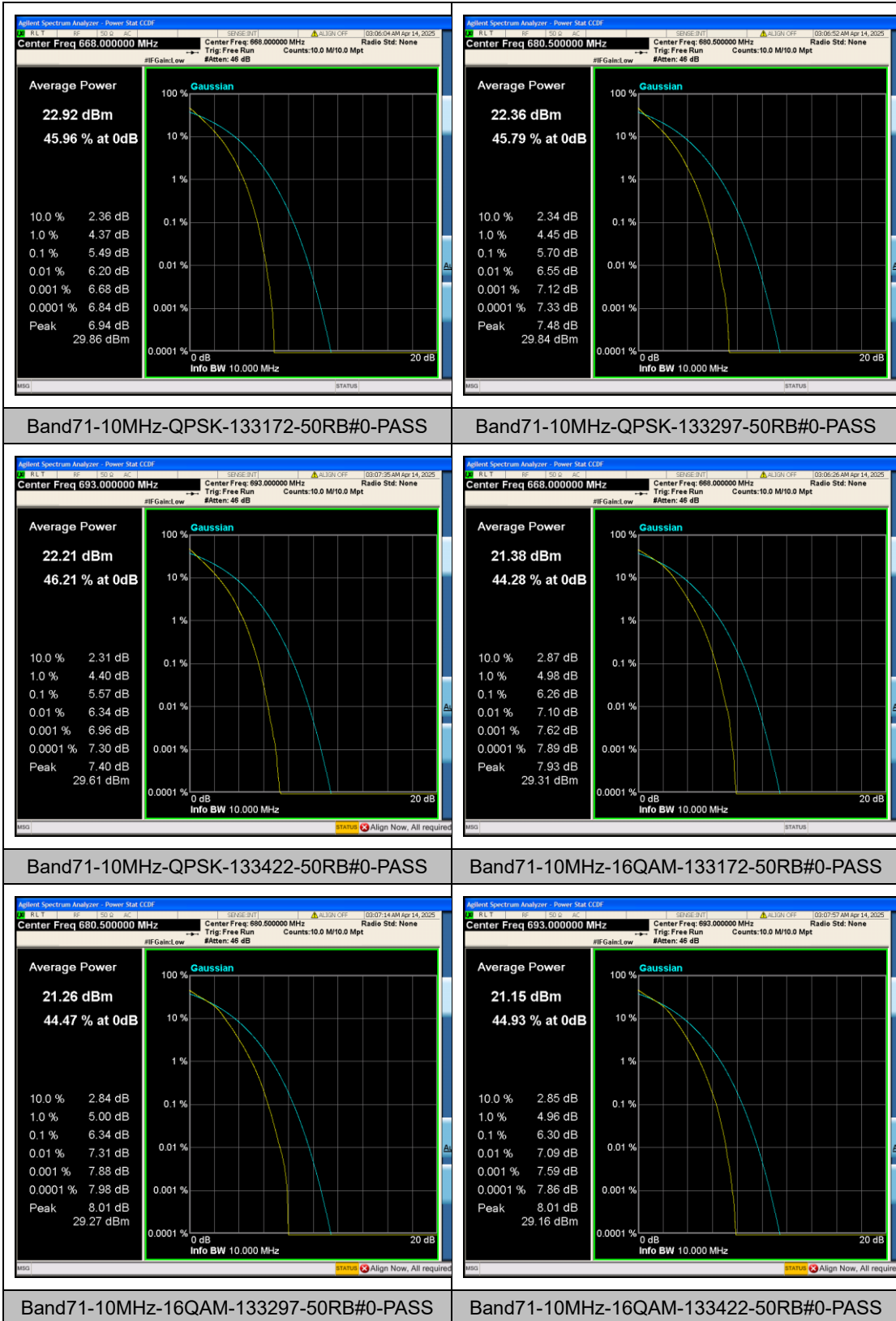
Appendix B: Peak-to-Average Ratio(CCDF)

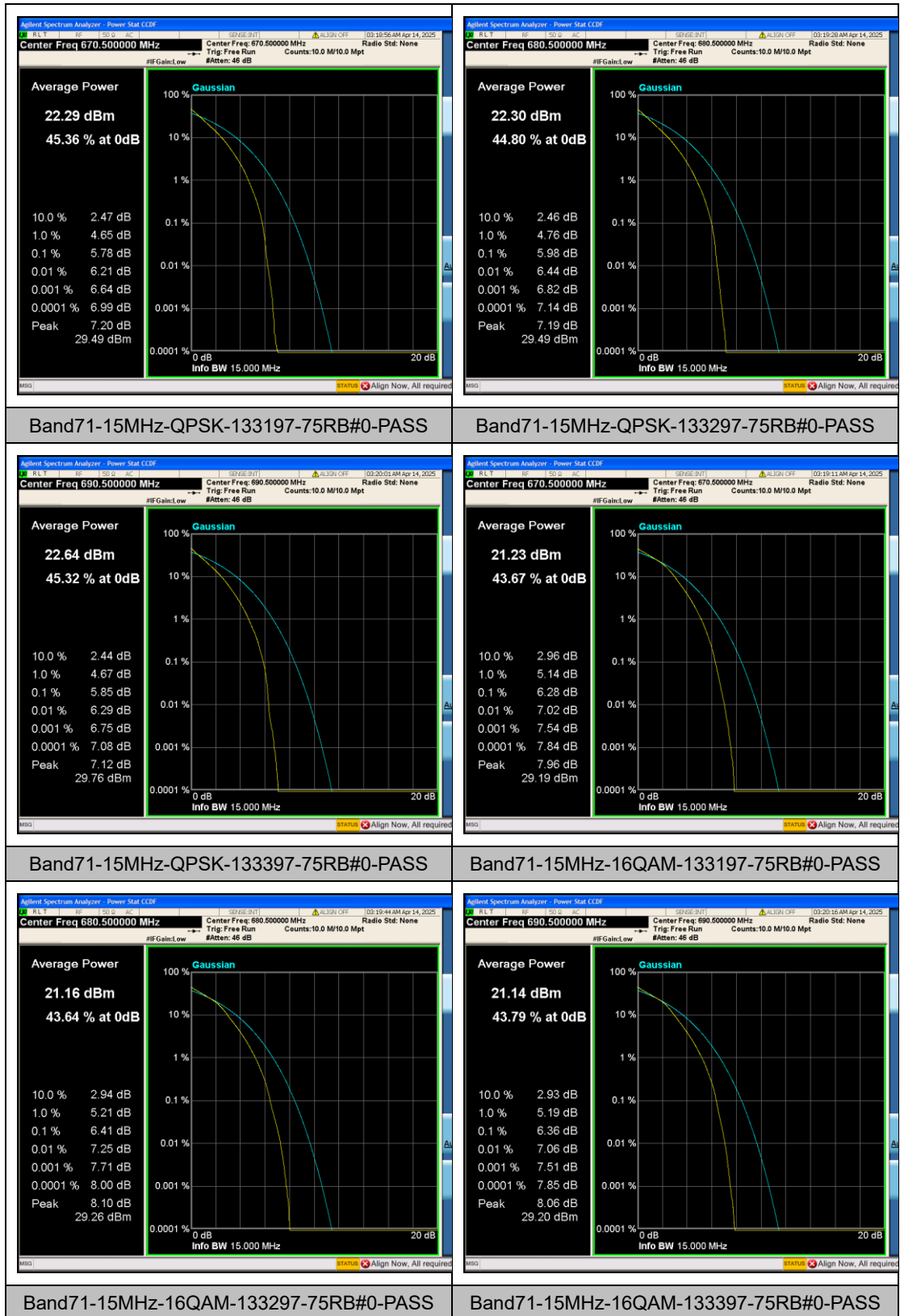
Test Result

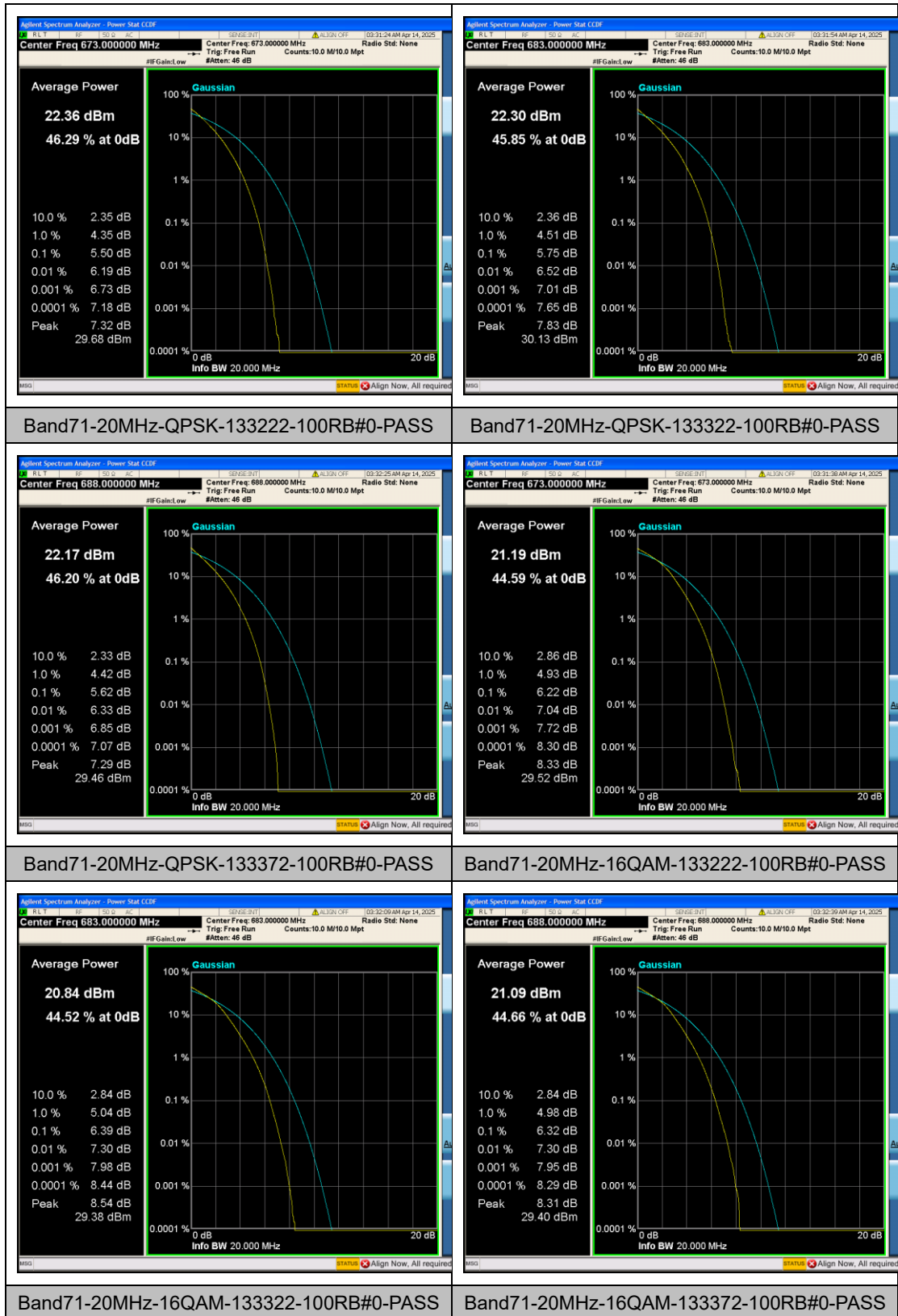
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	5.39	13	PASS
Band71	5MHz	QPSK	133297	25RB#0	5.62	13	PASS
Band71	5MHz	QPSK	133447	25RB#0	5.63	13	PASS
Band71	5MHz	16QAM	133147	25RB#0	6.07	13	PASS
Band71	5MHz	16QAM	133297	25RB#0	6.24	13	PASS
Band71	5MHz	16QAM	133447	25RB#0	6.23	13	PASS
Band71	10MHz	QPSK	133172	50RB#0	5.49	13	PASS
Band71	10MHz	QPSK	133297	50RB#0	5.70	13	PASS
Band71	10MHz	QPSK	133422	50RB#0	5.57	13	PASS
Band71	10MHz	16QAM	133172	50RB#0	6.26	13	PASS
Band71	10MHz	16QAM	133297	50RB#0	6.34	13	PASS
Band71	10MHz	16QAM	133422	50RB#0	6.30	13	PASS
Band71	15MHz	QPSK	133197	75RB#0	5.78	13	PASS
Band71	15MHz	QPSK	133297	75RB#0	5.98	13	PASS
Band71	15MHz	QPSK	133397	75RB#0	5.85	13	PASS
Band71	15MHz	16QAM	133197	75RB#0	6.28	13	PASS
Band71	15MHz	16QAM	133297	75RB#0	6.41	13	PASS
Band71	15MHz	16QAM	133397	75RB#0	6.36	13	PASS
Band71	20MHz	QPSK	133222	100RB#0	5.50	13	PASS
Band71	20MHz	QPSK	133322	100RB#0	5.75	13	PASS
Band71	20MHz	QPSK	133372	100RB#0	5.62	13	PASS
Band71	20MHz	16QAM	133222	100RB#0	6.22	13	PASS
Band71	20MHz	16QAM	133322	100RB#0	6.39	13	PASS
Band71	20MHz	16QAM	133372	100RB#0	6.32	13	PASS

Test Graphs







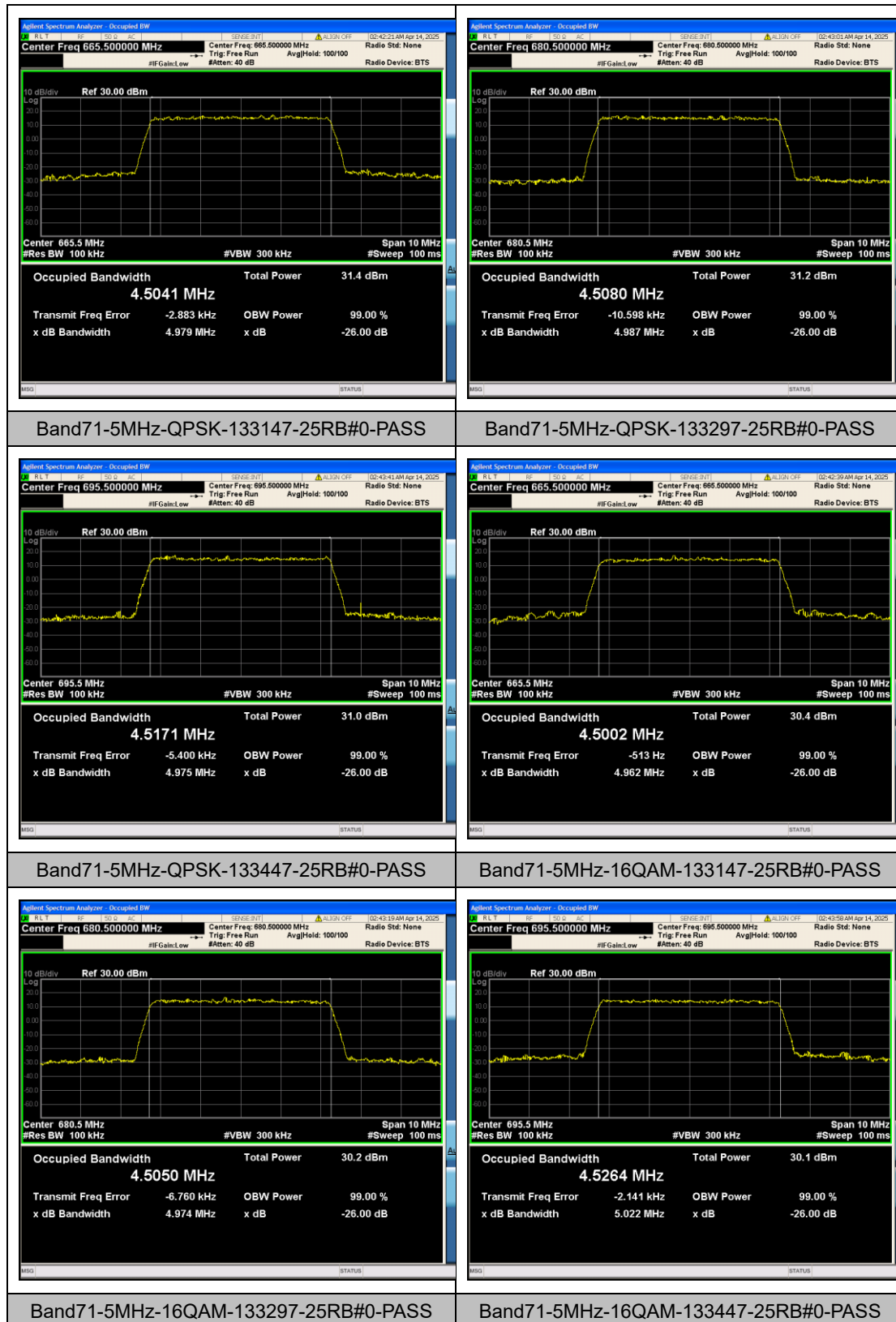


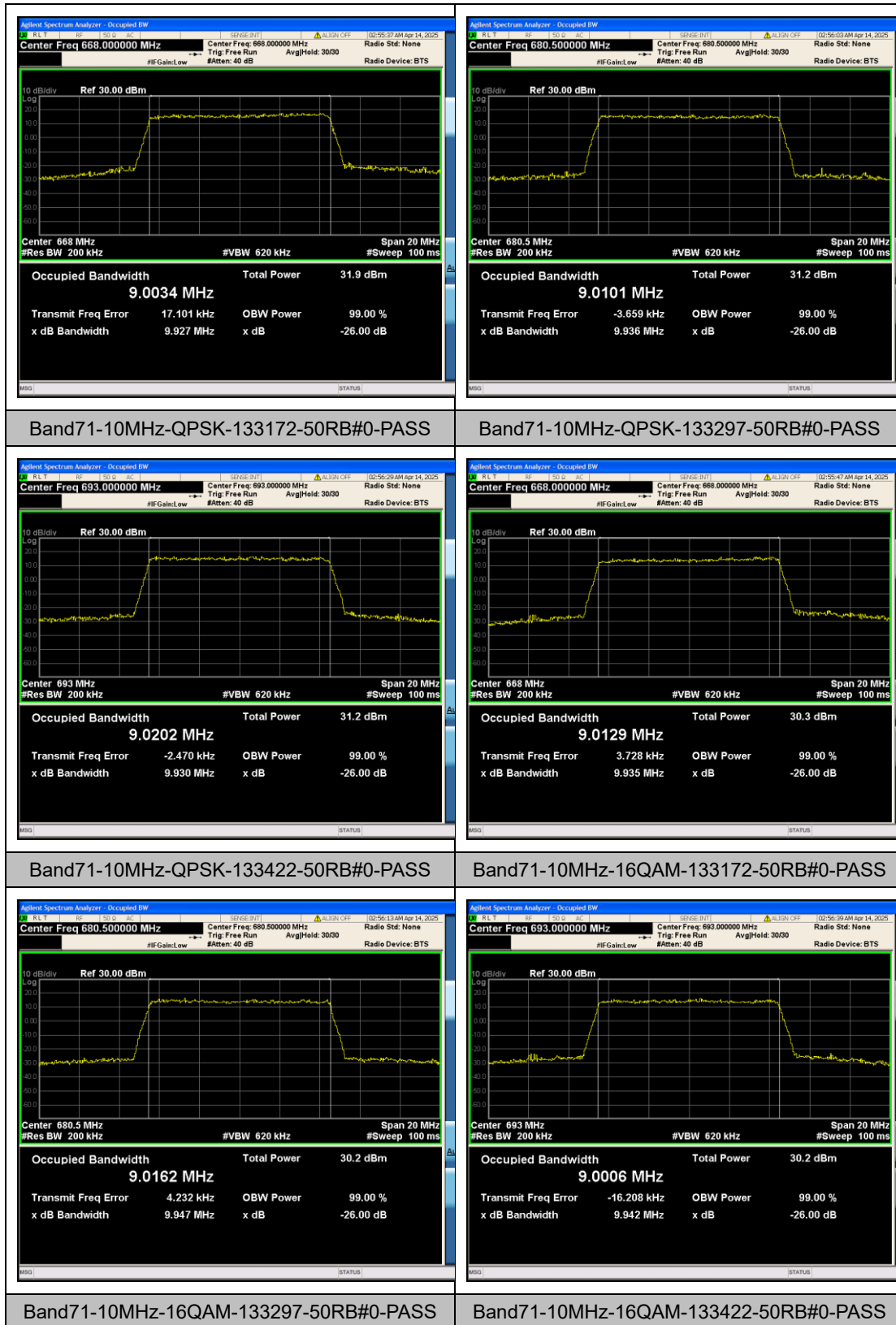
Appendix C: 26dB Bandwidth and Occupied Bandwidth

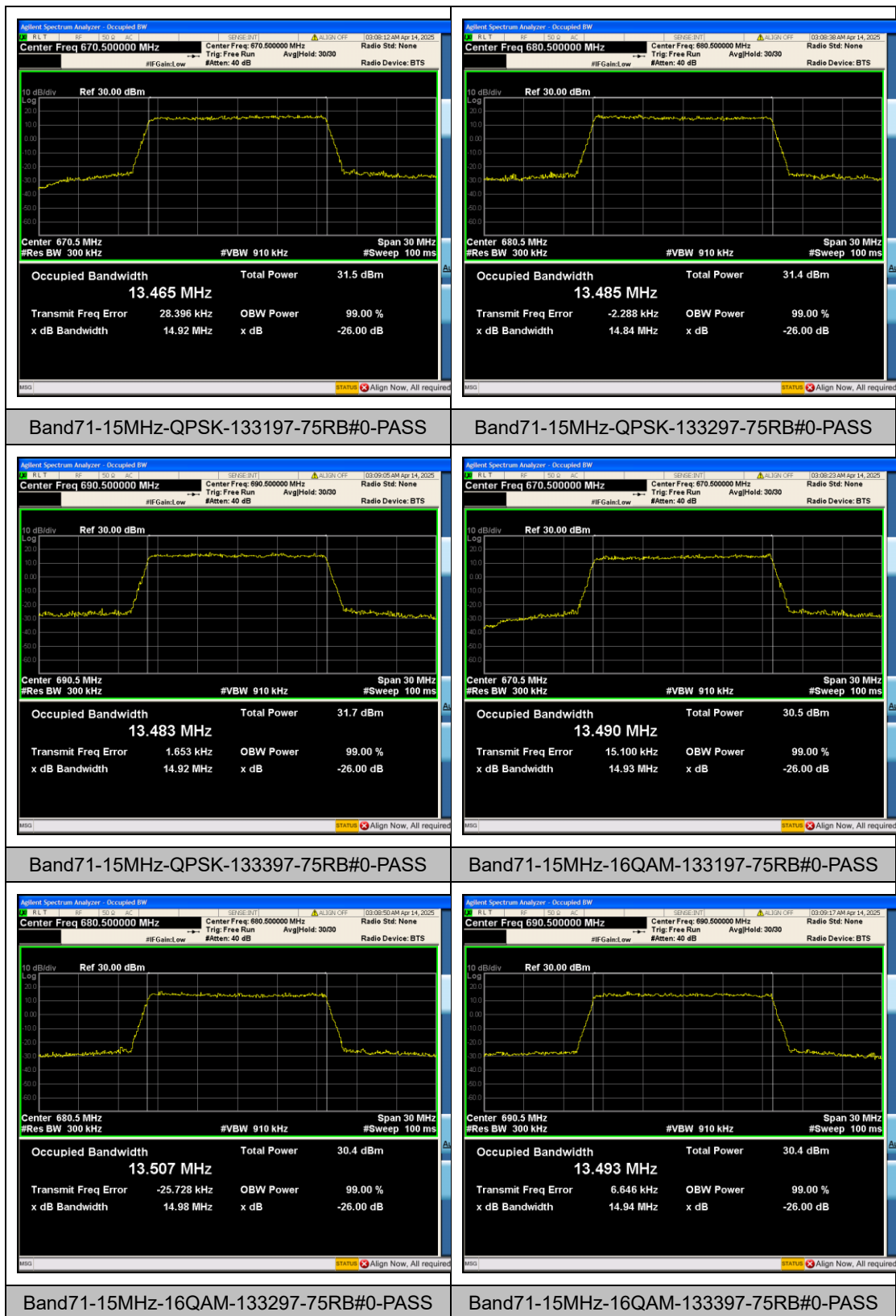
Test Result

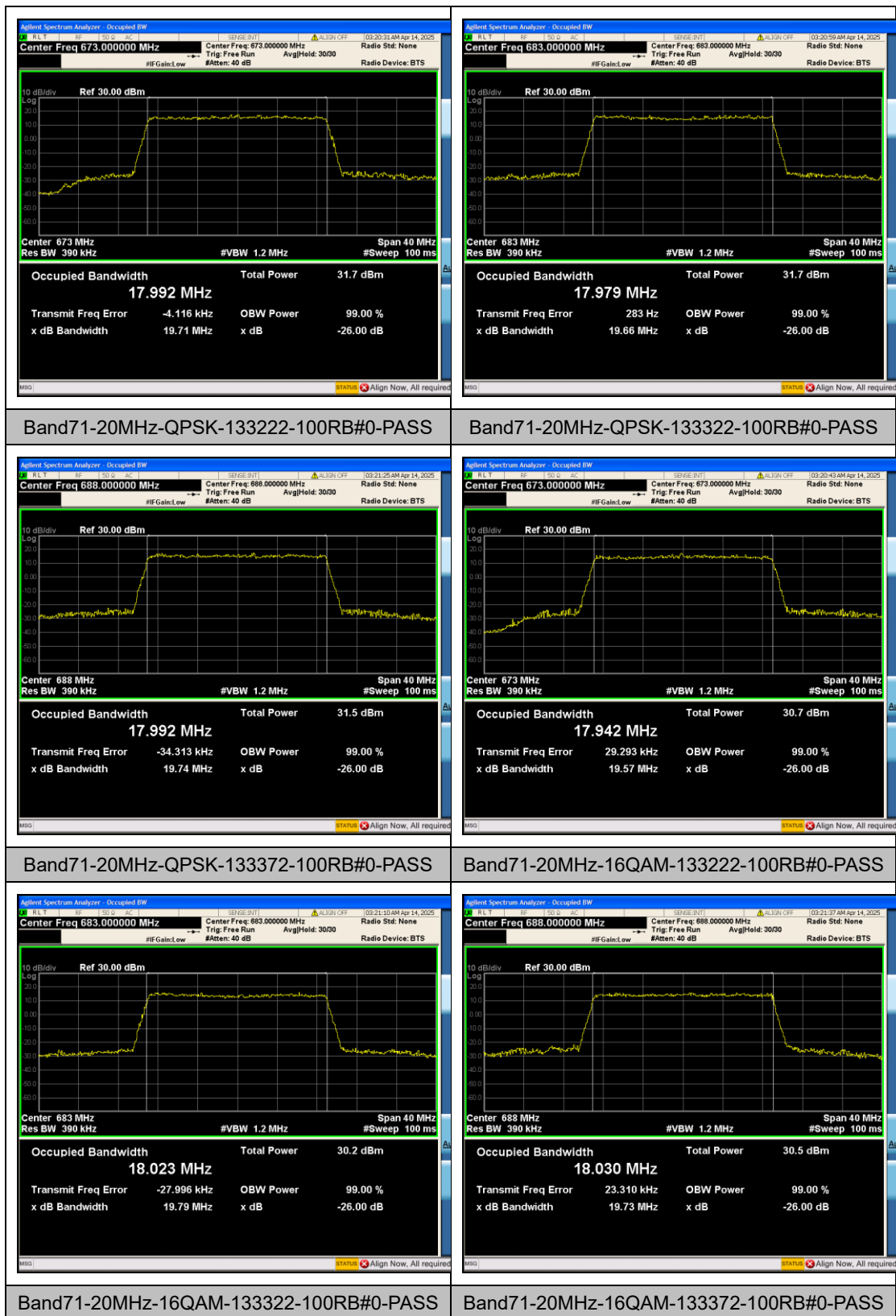
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	4.5041	4.979	PASS
Band71	5MHz	QPSK	133297	25RB#0	4.5080	4.987	PASS
Band71	5MHz	QPSK	133447	25RB#0	4.5171	4.975	PASS
Band71	5MHz	16QAM	133147	25RB#0	4.5002	4.962	PASS
Band71	5MHz	16QAM	133297	25RB#0	4.5050	4.974	PASS
Band71	5MHz	16QAM	133447	25RB#0	4.5264	5.022	PASS
Band71	10MHz	QPSK	133172	50RB#0	9.0034	9.927	PASS
Band71	10MHz	QPSK	133297	50RB#0	9.0101	9.936	PASS
Band71	10MHz	QPSK	133422	50RB#0	9.0202	9.930	PASS
Band71	10MHz	16QAM	133172	50RB#0	9.0129	9.935	PASS
Band71	10MHz	16QAM	133297	50RB#0	9.0162	9.947	PASS
Band71	10MHz	16QAM	133422	50RB#0	9.0006	9.942	PASS
Band71	15MHz	QPSK	133197	75RB#0	13.465	14.92	PASS
Band71	15MHz	QPSK	133297	75RB#0	13.485	14.84	PASS
Band71	15MHz	QPSK	133397	75RB#0	13.483	14.92	PASS
Band71	15MHz	16QAM	133197	75RB#0	13.490	14.93	PASS
Band71	15MHz	16QAM	133297	75RB#0	13.507	14.98	PASS
Band71	15MHz	16QAM	133397	75RB#0	13.493	14.94	PASS
Band71	20MHz	QPSK	133222	100RB#0	17.992	19.71	PASS
Band71	20MHz	QPSK	133322	100RB#0	17.979	19.66	PASS
Band71	20MHz	QPSK	133372	100RB#0	17.992	19.74	PASS
Band71	20MHz	16QAM	133222	100RB#0	17.942	19.57	PASS
Band71	20MHz	16QAM	133322	100RB#0	18.023	19.79	PASS
Band71	20MHz	16QAM	133372	100RB#0	18.030	19.73	PASS

Test Graphs







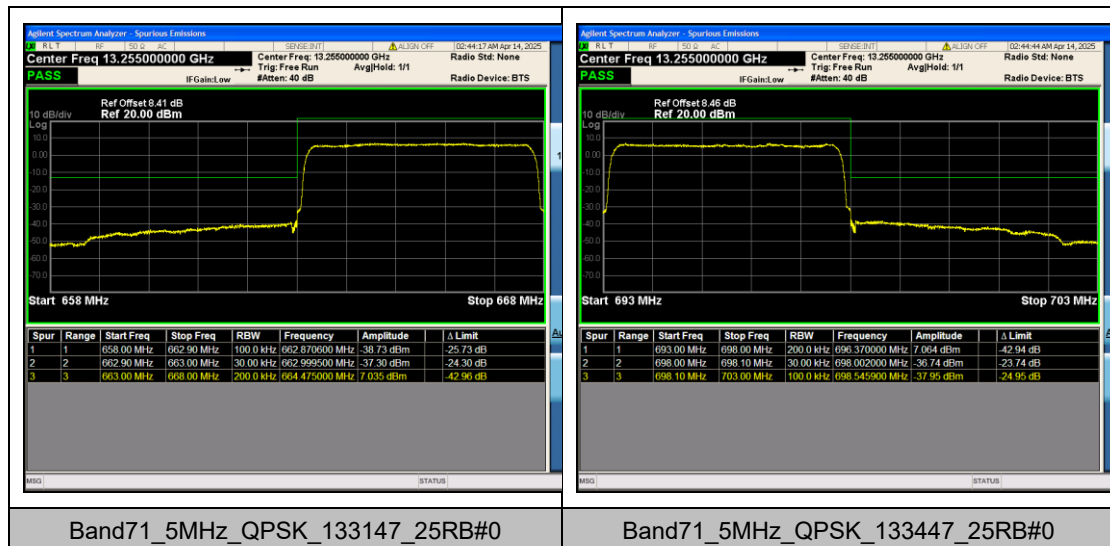


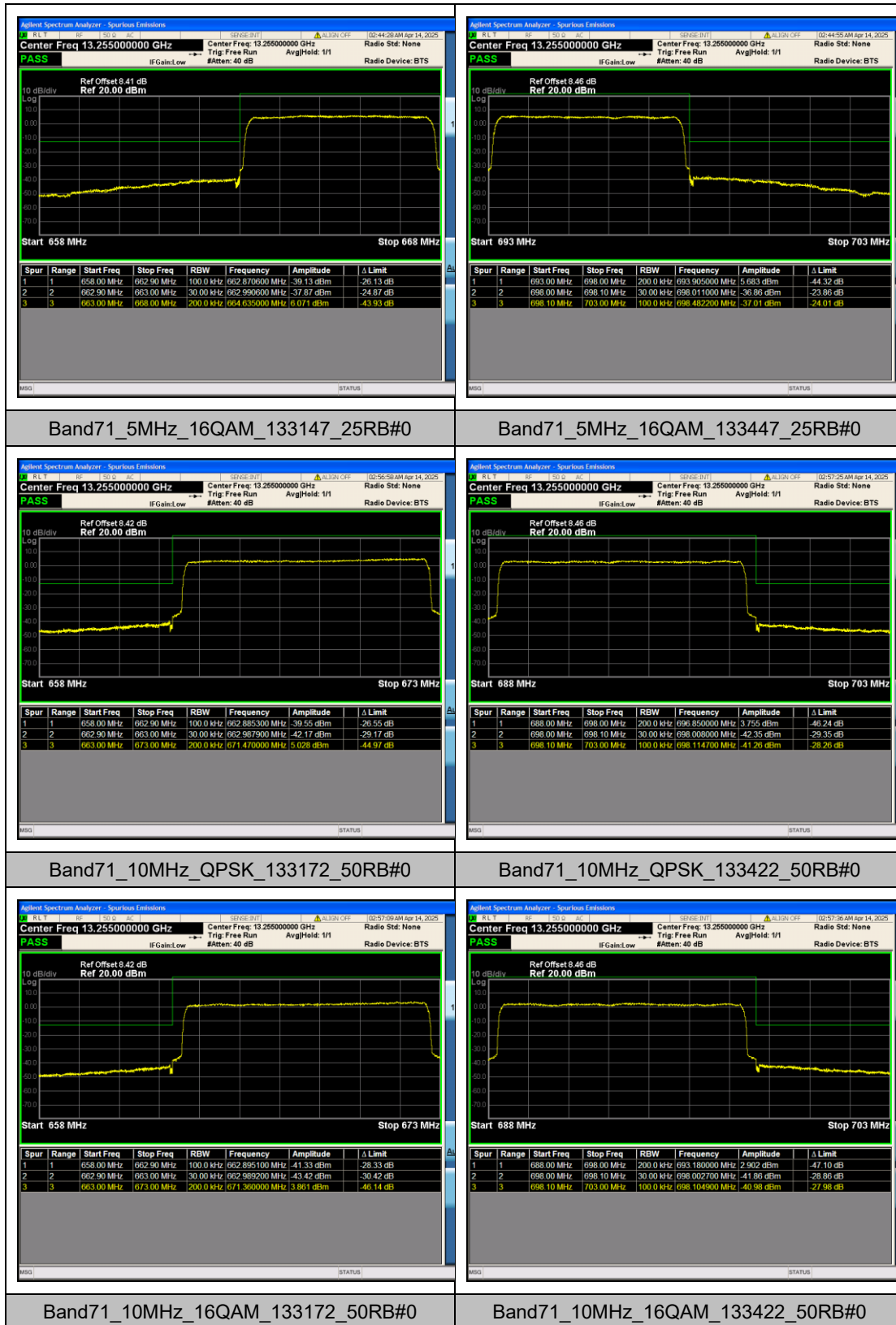
Appendix D: Band Edge

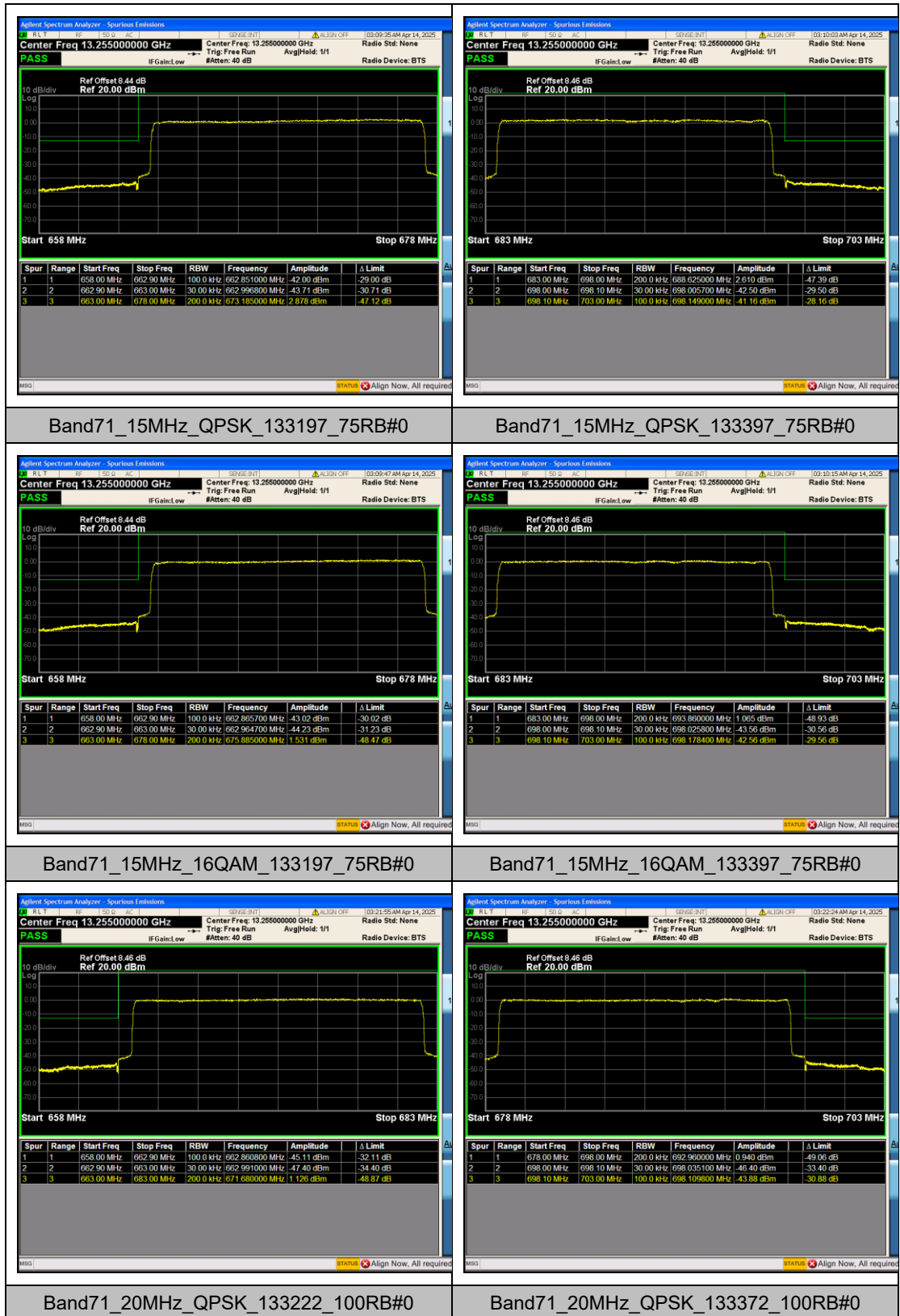
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band71	5MHz	QPSK	133147	25RB#0	-37.30	PASS
Band71	5MHz	QPSK	133447	25RB#0	-36.74	PASS
Band71	5MHz	16QAM	133147	25RB#0	-37.87	PASS
Band71	5MHz	16QAM	133447	25RB#0	-36.86	PASS
Band71	10MHz	QPSK	133172	50RB#0	-39.55	PASS
Band71	10MHz	QPSK	133422	50RB#0	-41.26	PASS
Band71	10MHz	16QAM	133172	50RB#0	-41.33	PASS
Band71	10MHz	16QAM	133422	50RB#0	-40.98	PASS
Band71	15MHz	QPSK	133197	75RB#0	-42.00	PASS
Band71	15MHz	QPSK	133397	75RB#0	-41.16	PASS
Band71	15MHz	16QAM	133197	75RB#0	-43.02	PASS
Band71	15MHz	16QAM	133397	75RB#0	-42.56	PASS
Band71	20MHz	QPSK	133222	100RB#0	-45.11	PASS
Band71	20MHz	QPSK	133372	100RB#0	-43.88	PASS
Band71	20MHz	16QAM	133222	100RB#0	-44.79	PASS
Band71	20MHz	16QAM	133372	100RB#0	-43.18	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	-42.85	PASS
Band71	5MHz	QPSK	133147	25RB#0	0.15~30	-54.12	PASS
Band71	5MHz	QPSK	133147	25RB#0	30~1000	-51.69	PASS
Band71	5MHz	QPSK	133147	25RB#0	1000~3000	-46.71	PASS
Band71	5MHz	QPSK	133147	25RB#0	3000~10000	-43.14	PASS
Band71	5MHz	QPSK	133297	25RB#0	0.009~0.15	-40.35	PASS
Band71	5MHz	QPSK	133297	25RB#0	0.15~30	-53.69	PASS
Band71	5MHz	QPSK	133297	25RB#0	30~1000	-54.31	PASS
Band71	5MHz	QPSK	133297	25RB#0	1000~3000	-46.61	PASS
Band71	5MHz	QPSK	133297	25RB#0	3000~10000	-43.58	PASS
Band71	5MHz	QPSK	133447	25RB#0	0.009~0.15	-41.83	PASS
Band71	5MHz	QPSK	133447	25RB#0	0.15~30	-52.17	PASS
Band71	5MHz	QPSK	133447	25RB#0	30~1000	-55.23	PASS
Band71	5MHz	QPSK	133447	25RB#0	1000~3000	-46.72	PASS
Band71	5MHz	QPSK	133447	25RB#0	3000~10000	-43.18	PASS
Band71	5MHz	16QAM	133147	25RB#0	0.009~0.15	-41.90	PASS
Band71	5MHz	16QAM	133147	25RB#0	0.15~30	-54.46	PASS
Band71	5MHz	16QAM	133147	25RB#0	30~1000	-55.74	PASS
Band71	5MHz	16QAM	133147	25RB#0	1000~3000	-46.89	PASS
Band71	5MHz	16QAM	133147	25RB#0	3000~10000	-43.59	PASS
Band71	5MHz	16QAM	133297	25RB#0	0.009~0.15	-41.47	PASS
Band71	5MHz	16QAM	133297	25RB#0	0.15~30	-53.27	PASS
Band71	5MHz	16QAM	133297	25RB#0	30~1000	-56.53	PASS
Band71	5MHz	16QAM	133297	25RB#0	1000~3000	-46.52	PASS
Band71	5MHz	16QAM	133297	25RB#0	3000~10000	-43.48	PASS
Band71	5MHz	16QAM	133447	25RB#0	0.009~0.15	-42.00	PASS
Band71	5MHz	16QAM	133447	25RB#0	0.15~30	-52.34	PASS
Band71	5MHz	16QAM	133447	25RB#0	30~1000	-56.84	PASS
Band71	5MHz	16QAM	133447	25RB#0	1000~3000	-46.60	PASS
Band71	5MHz	16QAM	133447	25RB#0	3000~10000	-43.22	PASS
Band71	10MHz	QPSK	133172	50RB#0	0.009~0.15	-41.05	PASS
Band71	10MHz	QPSK	133172	50RB#0	0.15~30	-53.31	PASS
Band71	10MHz	QPSK	133172	50RB#0	30~1000	-55.19	PASS
Band71	10MHz	QPSK	133172	50RB#0	1000~3000	-46.71	PASS
Band71	10MHz	QPSK	133172	50RB#0	3000~10000	-42.84	PASS
Band71	10MHz	QPSK	133297	50RB#0	0.009~0.15	-42.36	PASS

Band71	10MHz	QPSK	133297	50RB#0	0.15~30	-52.23	PASS
Band71	10MHz	QPSK	133297	50RB#0	30~1000	-58.86	PASS
Band71	10MHz	QPSK	133297	50RB#0	1000~3000	-46.47	PASS
Band71	10MHz	QPSK	133297	50RB#0	3000~10000	-43.67	PASS
Band71	10MHz	QPSK	133422	50RB#0	0.009~0.15	-42.35	PASS
Band71	10MHz	QPSK	133422	50RB#0	0.15~30	-51.98	PASS
Band71	10MHz	QPSK	133422	50RB#0	30~1000	-57.40	PASS
Band71	10MHz	QPSK	133422	50RB#0	1000~3000	-46.81	PASS
Band71	10MHz	QPSK	133422	50RB#0	3000~10000	-43.46	PASS
Band71	10MHz	16QAM	133172	50RB#0	0.009~0.15	-43.00	PASS
Band71	10MHz	16QAM	133172	50RB#0	0.15~30	-54.45	PASS
Band71	10MHz	16QAM	133172	50RB#0	30~1000	-57.94	PASS
Band71	10MHz	16QAM	133172	50RB#0	1000~3000	-46.96	PASS
Band71	10MHz	16QAM	133172	50RB#0	3000~10000	-43.82	PASS
Band71	10MHz	16QAM	133297	50RB#0	0.009~0.15	-42.84	PASS
Band71	10MHz	16QAM	133297	50RB#0	0.15~30	-52.73	PASS
Band71	10MHz	16QAM	133297	50RB#0	30~1000	-60.35	PASS
Band71	10MHz	16QAM	133297	50RB#0	1000~3000	-46.47	PASS
Band71	10MHz	16QAM	133297	50RB#0	3000~10000	-43.67	PASS
Band71	10MHz	16QAM	133422	50RB#0	0.009~0.15	-40.97	PASS
Band71	10MHz	16QAM	133422	50RB#0	0.15~30	-53.53	PASS
Band71	10MHz	16QAM	133422	50RB#0	30~1000	-58.73	PASS
Band71	10MHz	16QAM	133422	50RB#0	1000~3000	-46.72	PASS
Band71	10MHz	16QAM	133422	50RB#0	3000~10000	-43.75	PASS
Band71	15MHz	QPSK	133197	75RB#0	0.009~0.15	-43.03	PASS
Band71	15MHz	QPSK	133197	75RB#0	0.15~30	-55.22	PASS
Band71	15MHz	QPSK	133197	75RB#0	30~1000	-59.82	PASS
Band71	15MHz	QPSK	133197	75RB#0	1000~3000	-46.72	PASS
Band71	15MHz	QPSK	133197	75RB#0	3000~10000	-43.33	PASS
Band71	15MHz	QPSK	133297	75RB#0	0.009~0.15	-40.79	PASS
Band71	15MHz	QPSK	133297	75RB#0	0.15~30	-54.45	PASS
Band71	15MHz	QPSK	133297	75RB#0	30~1000	-61.70	PASS
Band71	15MHz	QPSK	133297	75RB#0	1000~3000	-46.74	PASS
Band71	15MHz	QPSK	133297	75RB#0	3000~10000	-43.56	PASS
Band71	15MHz	QPSK	133397	75RB#0	0.009~0.15	-42.77	PASS
Band71	15MHz	QPSK	133397	75RB#0	0.15~30	-56.01	PASS
Band71	15MHz	QPSK	133397	75RB#0	30~1000	-61.79	PASS
Band71	15MHz	QPSK	133397	75RB#0	1000~3000	-46.39	PASS
Band71	15MHz	QPSK	133397	75RB#0	3000~10000	-43.36	PASS
Band71	15MHz	16QAM	133197	75RB#0	0.009~0.15	-41.02	PASS
Band71	15MHz	16QAM	133197	75RB#0	0.15~30	-53.13	PASS
Band71	15MHz	16QAM	133197	75RB#0	30~1000	-61.05	PASS
Band71	15MHz	16QAM	133197	75RB#0	1000~3000	-46.69	PASS

Band71	15MHz	16QAM	133197	75RB#0	3000~10000	-43.68	PASS
Band71	15MHz	16QAM	133297	75RB#0	0.009~0.15	-41.28	PASS
Band71	15MHz	16QAM	133297	75RB#0	0.15~30	-52.66	PASS
Band71	15MHz	16QAM	133297	75RB#0	30~1000	-61.69	PASS
Band71	15MHz	16QAM	133297	75RB#0	1000~3000	-46.83	PASS
Band71	15MHz	16QAM	133297	75RB#0	3000~10000	-43.36	PASS
Band71	15MHz	16QAM	133397	75RB#0	0.009~0.15	-40.34	PASS
Band71	15MHz	16QAM	133397	75RB#0	0.15~30	-53.38	PASS
Band71	15MHz	16QAM	133397	75RB#0	30~1000	-61.43	PASS
Band71	15MHz	16QAM	133397	75RB#0	1000~3000	-46.68	PASS
Band71	15MHz	16QAM	133397	75RB#0	3000~10000	-43.48	PASS
Band71	20MHz	QPSK	133222	100RB#0	0.009~0.15	-40.52	PASS
Band71	20MHz	QPSK	133222	100RB#0	0.15~30	-55.40	PASS
Band71	20MHz	QPSK	133222	100RB#0	30~1000	-61.81	PASS
Band71	20MHz	QPSK	133222	100RB#0	1000~3000	-46.30	PASS
Band71	20MHz	QPSK	133222	100RB#0	3000~10000	-43.72	PASS
Band71	20MHz	QPSK	133322	100RB#0	0.009~0.15	-41.34	PASS
Band71	20MHz	QPSK	133322	100RB#0	0.15~30	-54.24	PASS
Band71	20MHz	QPSK	133322	100RB#0	30~1000	-61.54	PASS
Band71	20MHz	QPSK	133322	100RB#0	1000~3000	-46.47	PASS
Band71	20MHz	QPSK	133322	100RB#0	3000~10000	-43.39	PASS
Band71	20MHz	QPSK	133372	100RB#0	0.009~0.15	-42.59	PASS
Band71	20MHz	QPSK	133372	100RB#0	0.15~30	-52.02	PASS
Band71	20MHz	QPSK	133372	100RB#0	30~1000	-61.58	PASS
Band71	20MHz	QPSK	133372	100RB#0	1000~3000	-46.62	PASS
Band71	20MHz	QPSK	133372	100RB#0	3000~10000	-42.92	PASS
Band71	20MHz	16QAM	133222	100RB#0	0.009~0.15	-40.80	PASS
Band71	20MHz	16QAM	133222	100RB#0	0.15~30	-52.96	PASS
Band71	20MHz	16QAM	133222	100RB#0	30~1000	-61.68	PASS
Band71	20MHz	16QAM	133222	100RB#0	1000~3000	-46.70	PASS
Band71	20MHz	16QAM	133222	100RB#0	3000~10000	-43.13	PASS
Band71	20MHz	16QAM	133322	100RB#0	0.009~0.15	-41.72	PASS
Band71	20MHz	16QAM	133322	100RB#0	0.15~30	-53.36	PASS
Band71	20MHz	16QAM	133322	100RB#0	30~1000	-61.95	PASS
Band71	20MHz	16QAM	133322	100RB#0	1000~3000	-46.80	PASS
Band71	20MHz	16QAM	133322	100RB#0	3000~10000	-43.94	PASS
Band71	20MHz	16QAM	133372	100RB#0	0.009~0.15	-40.02	PASS
Band71	20MHz	16QAM	133372	100RB#0	0.15~30	-53.82	PASS
Band71	20MHz	16QAM	133372	100RB#0	30~1000	-61.59	PASS
Band71	20MHz	16QAM	133372	100RB#0	1000~3000	-46.92	PASS
Band71	20MHz	16QAM	133372	100RB#0	3000~10000	-43.45	PASS