

Appendix RF Test Data for LTE Band 5

Company: : SIMFINITY COMPANY LIMITED

EUT : MIFI

Model Number : U6

FCC ID : 2BSRS-U6

Report No. : CTA25100901304

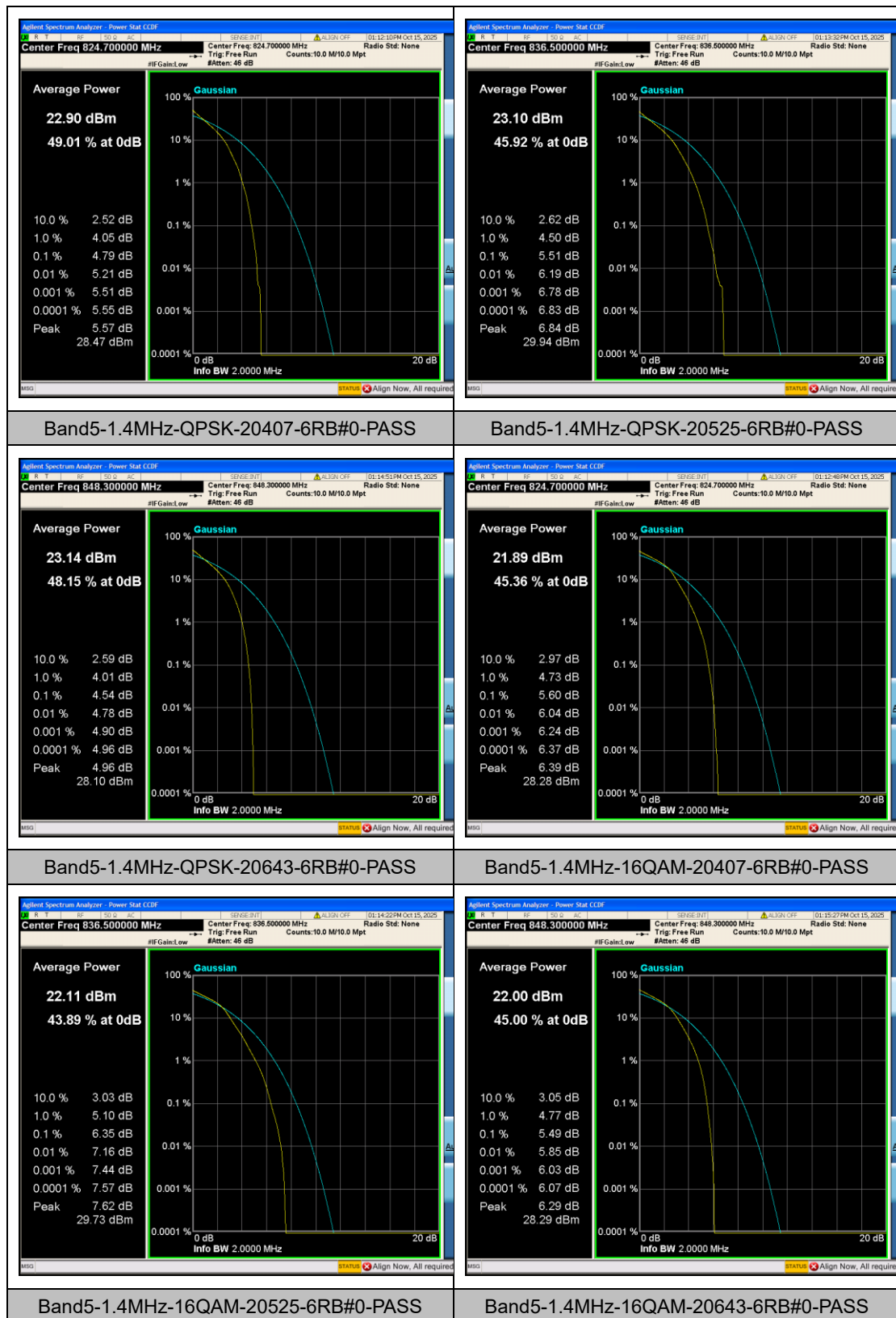
Reviewed By : Eric Wang

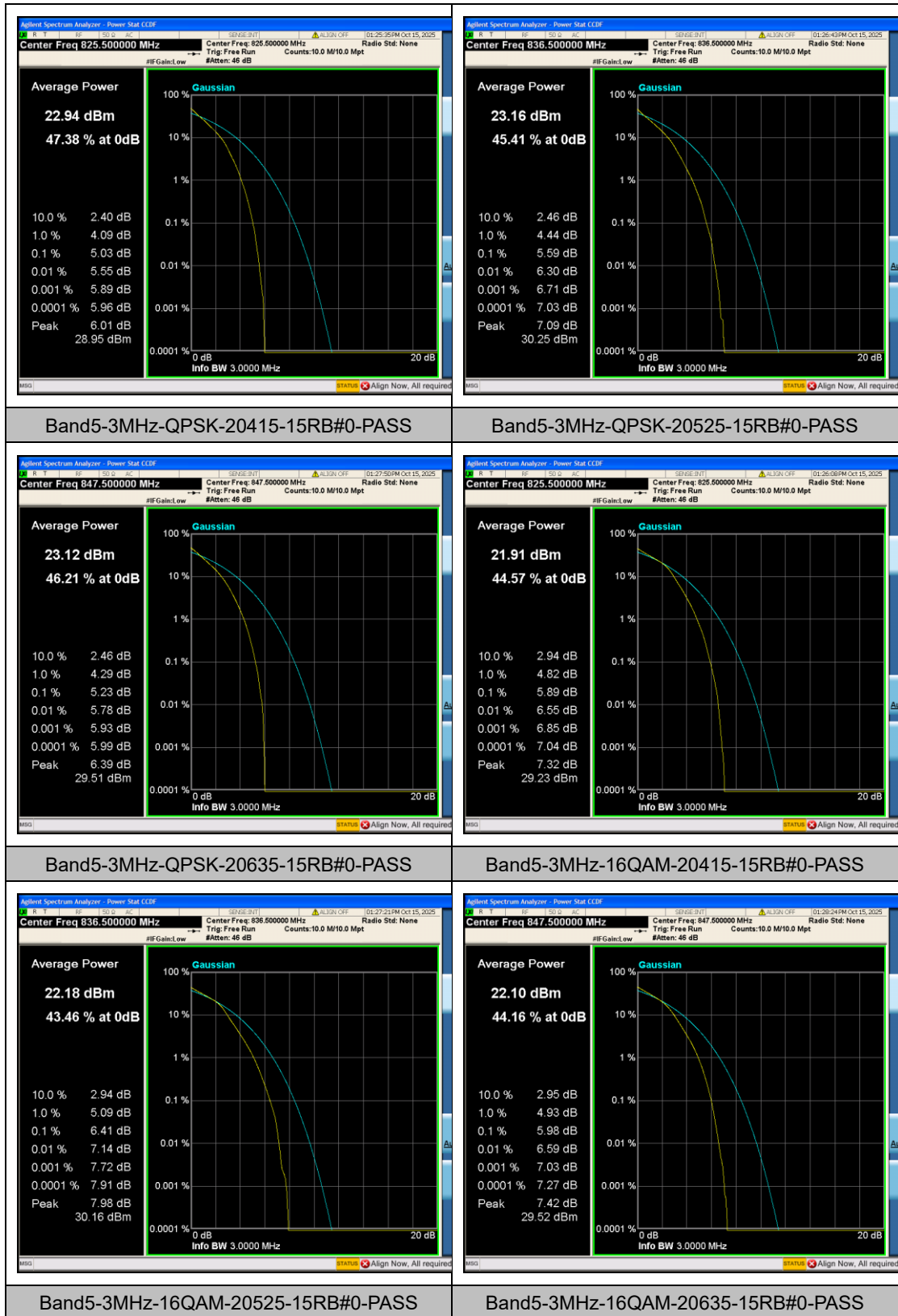
Appendix B: Peak-to-Average Ratio(CCDF)

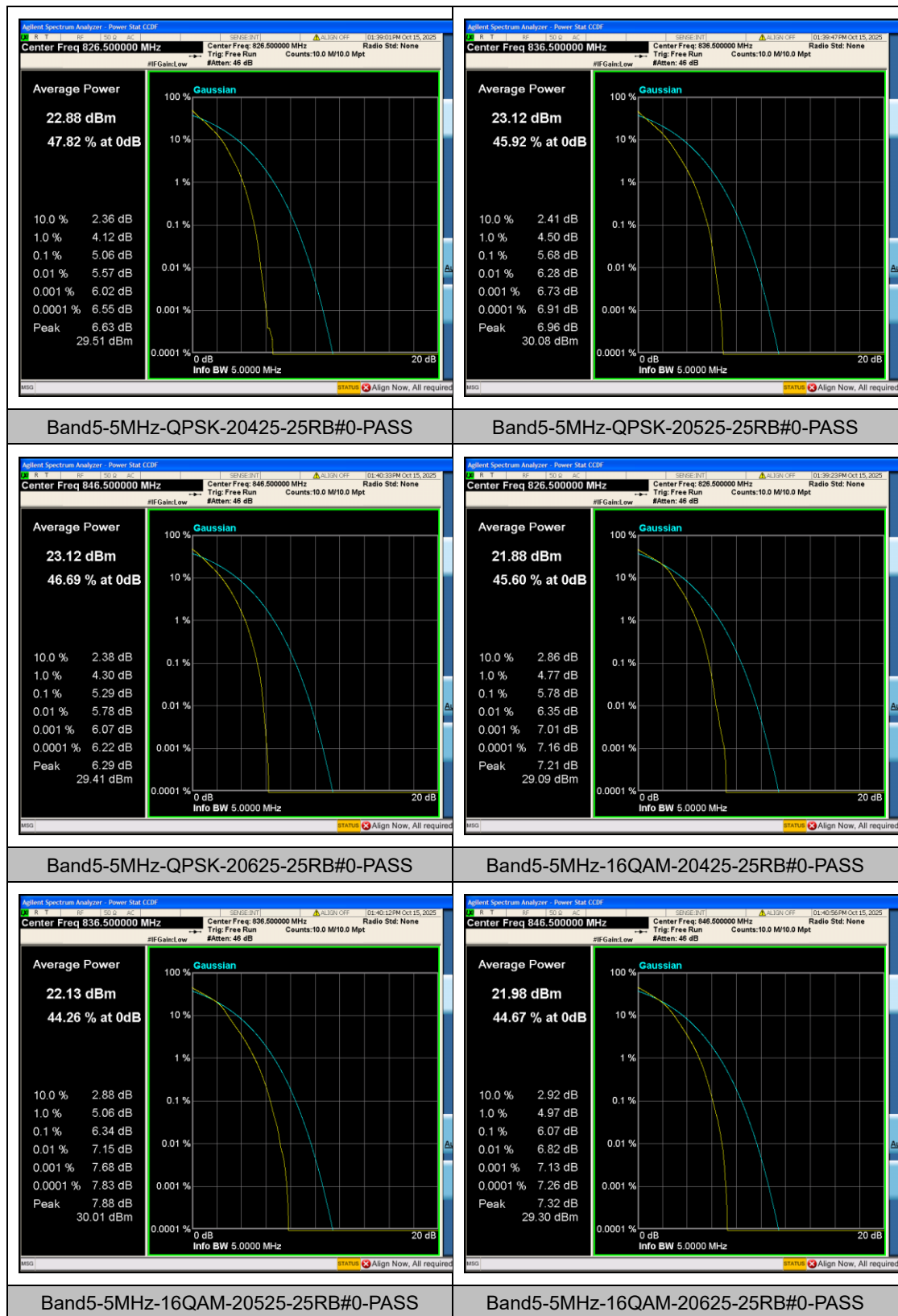
Test Result

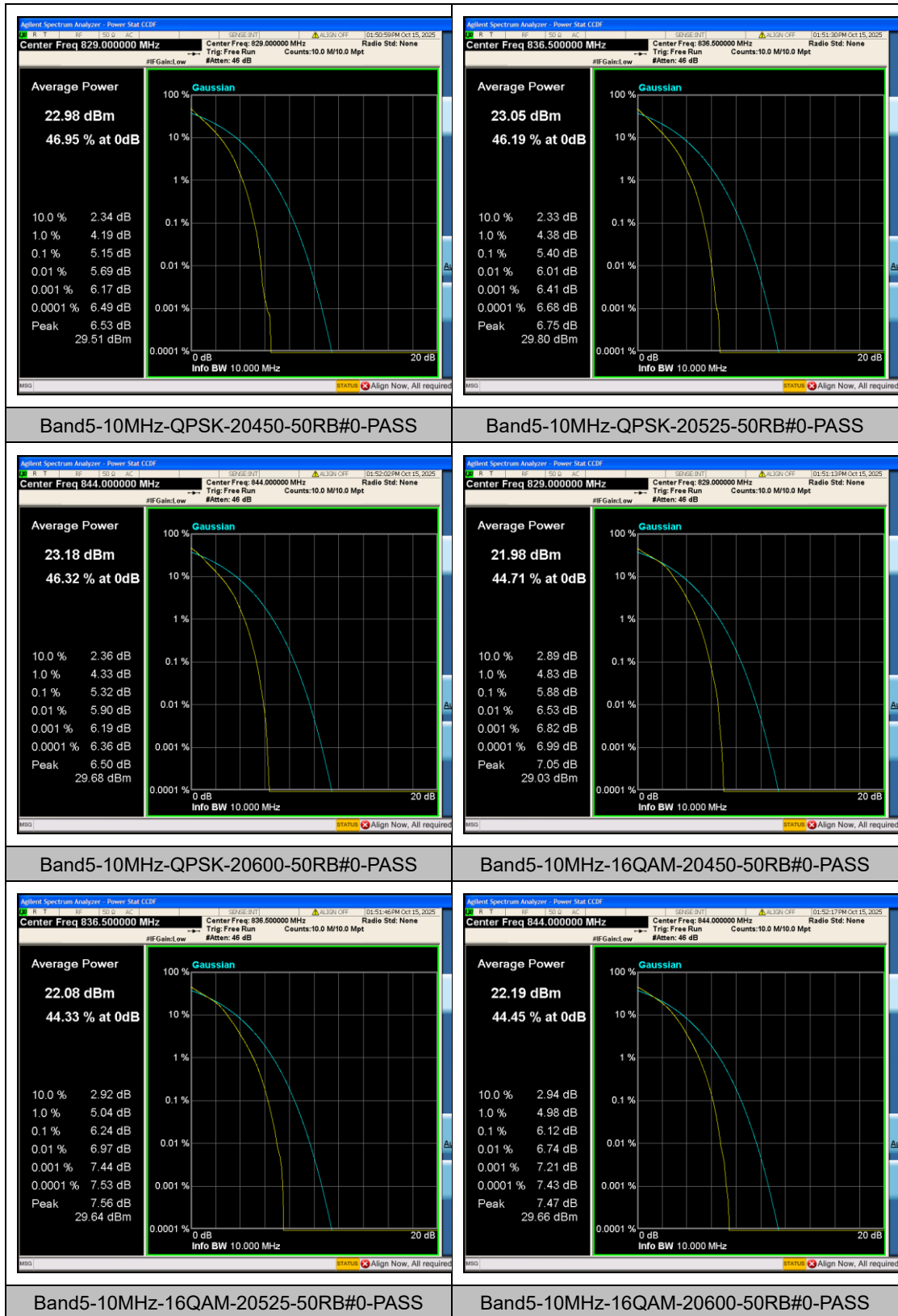
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	4.79	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.51	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.54	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.60	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.35	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.49	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.03	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.59	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.23	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.89	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.41	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.98	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.06	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.68	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.29	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.78	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.34	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.07	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.15	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.40	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.32	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.88	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.24	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.12	13	PASS

Test Graphs







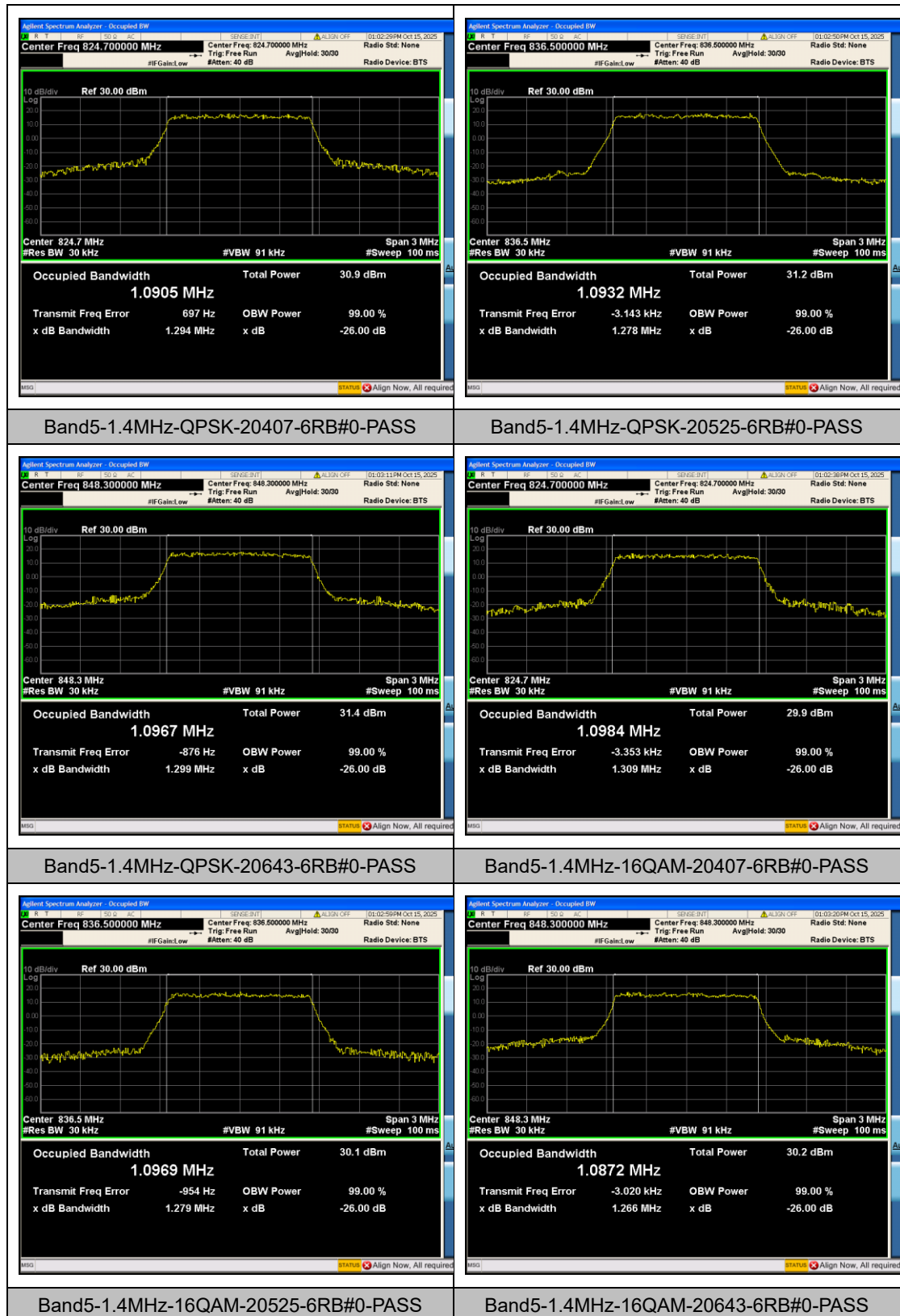


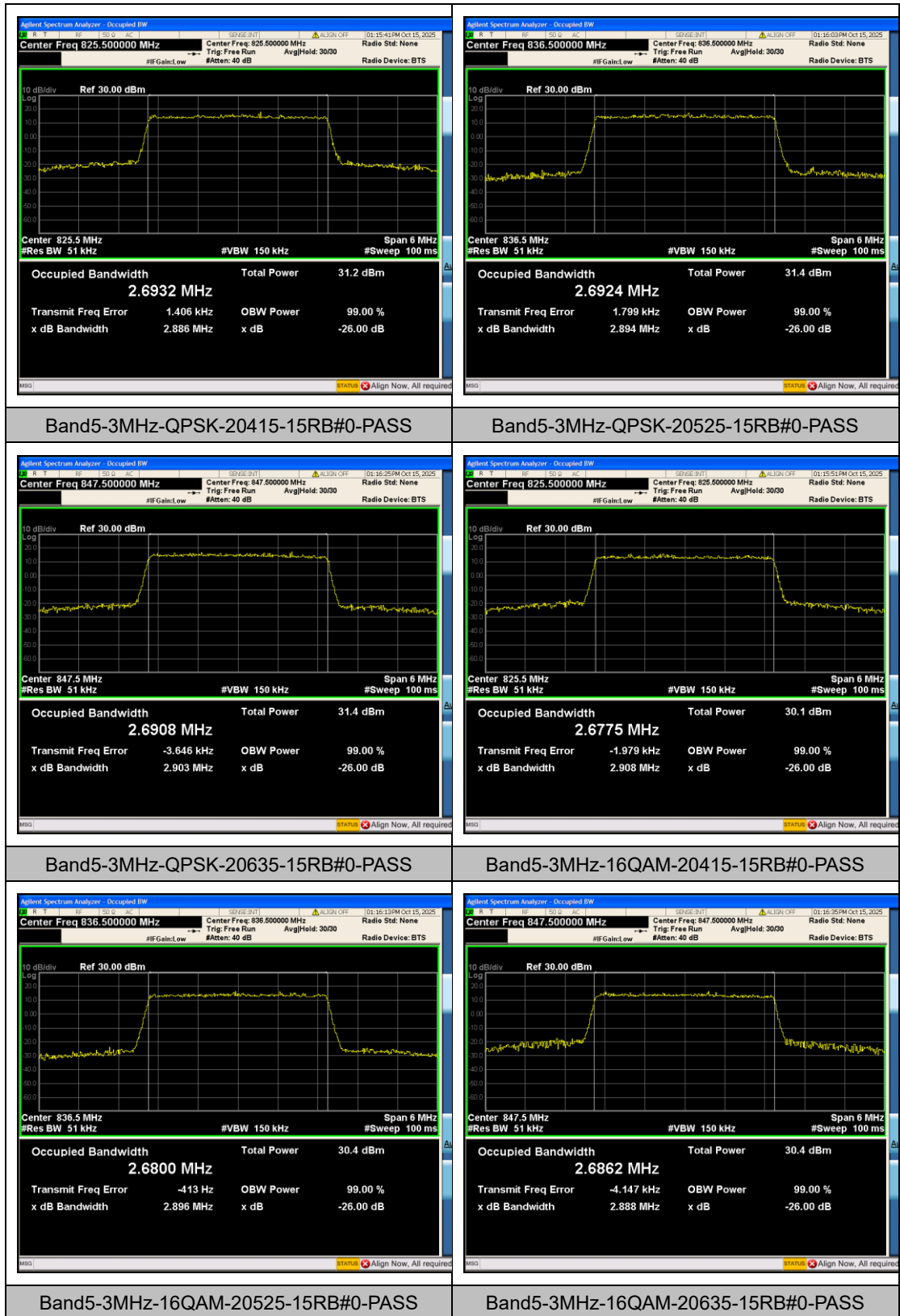
Appendix C: 26dB Bandwidth and Occupied Bandwidth

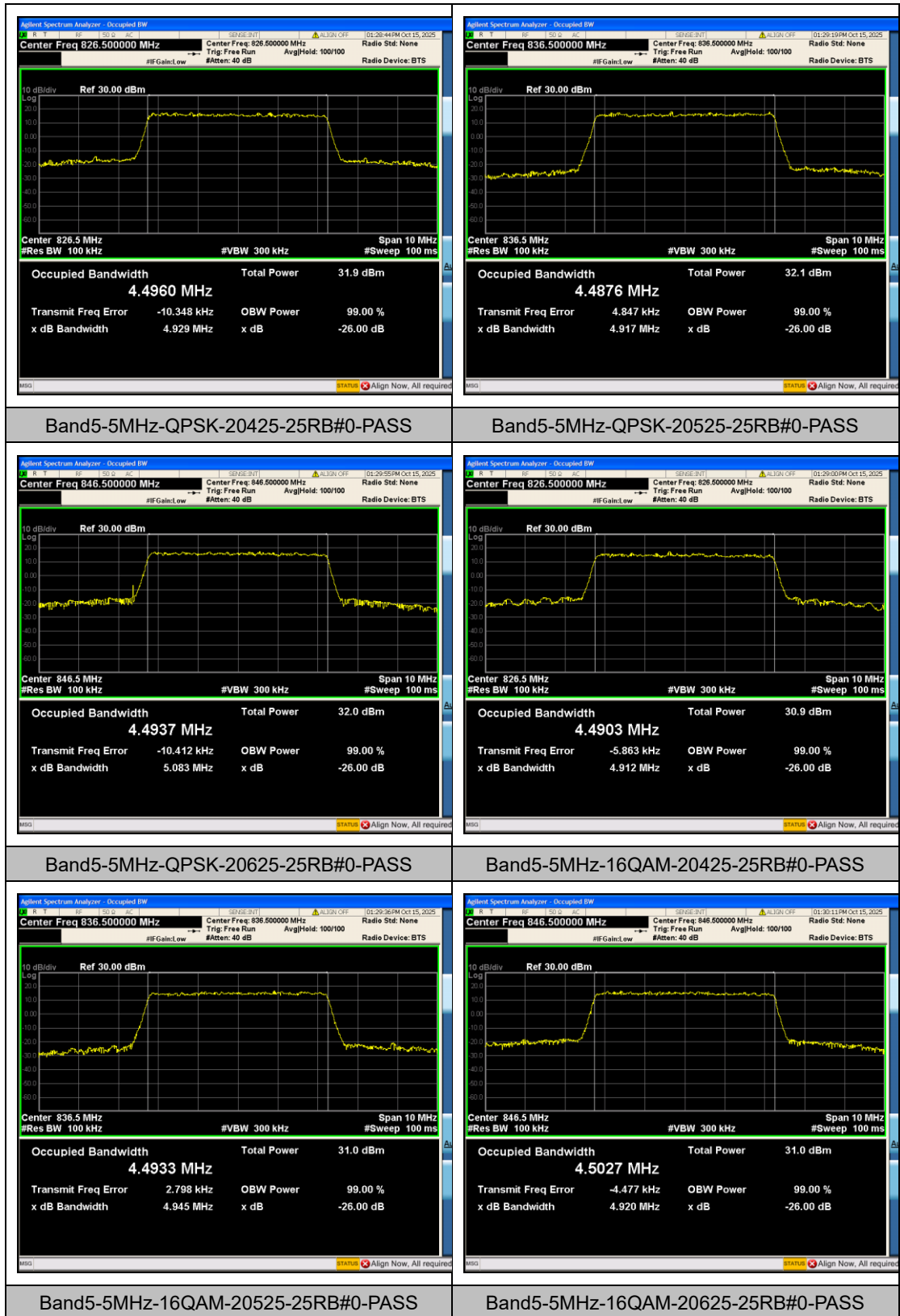
Test Result

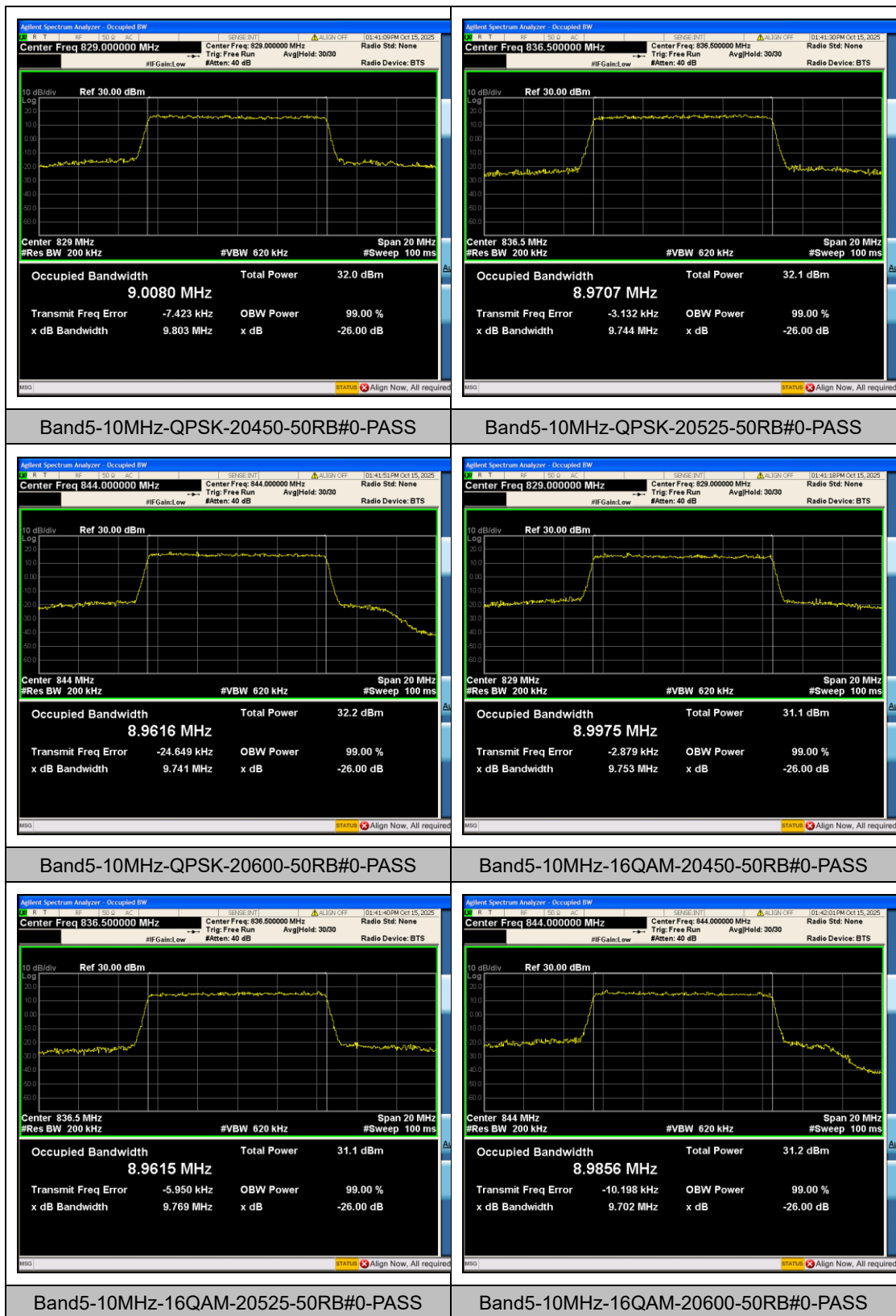
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0905	1.294	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0932	1.278	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0967	1.299	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0984	1.309	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0969	1.279	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0872	1.266	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6932	2.886	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6924	2.894	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6908	2.903	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6775	2.908	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6800	2.896	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6862	2.888	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4960	4.929	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4876	4.917	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4937	5.083	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4903	4.912	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4933	4.945	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5027	4.920	PASS
Band5	10MHz	QPSK	20450	50RB#0	9.0080	9.803	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9707	9.744	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9616	9.741	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9975	9.753	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9615	9.769	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9856	9.702	PASS

Test Graphs







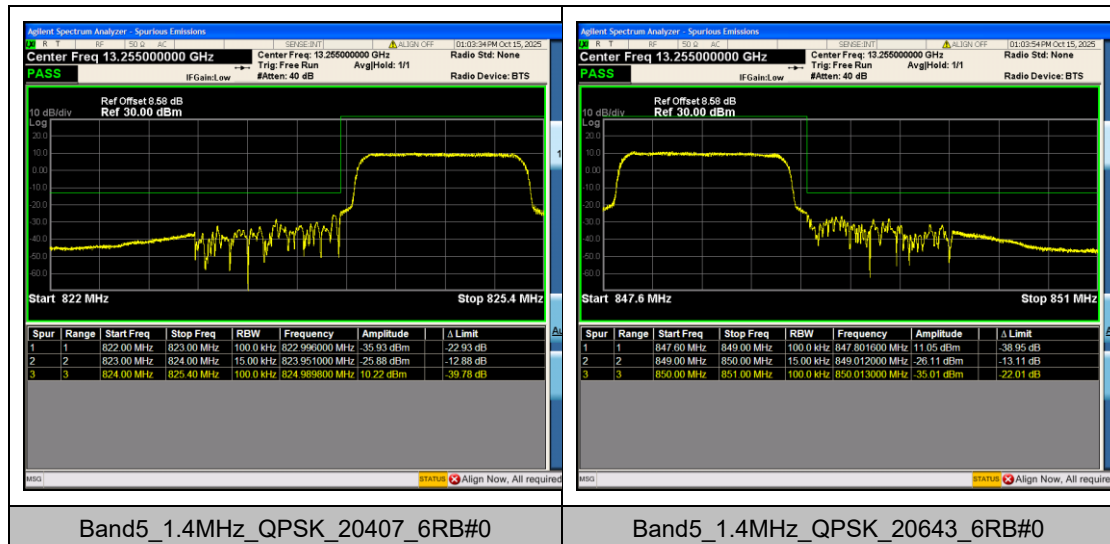


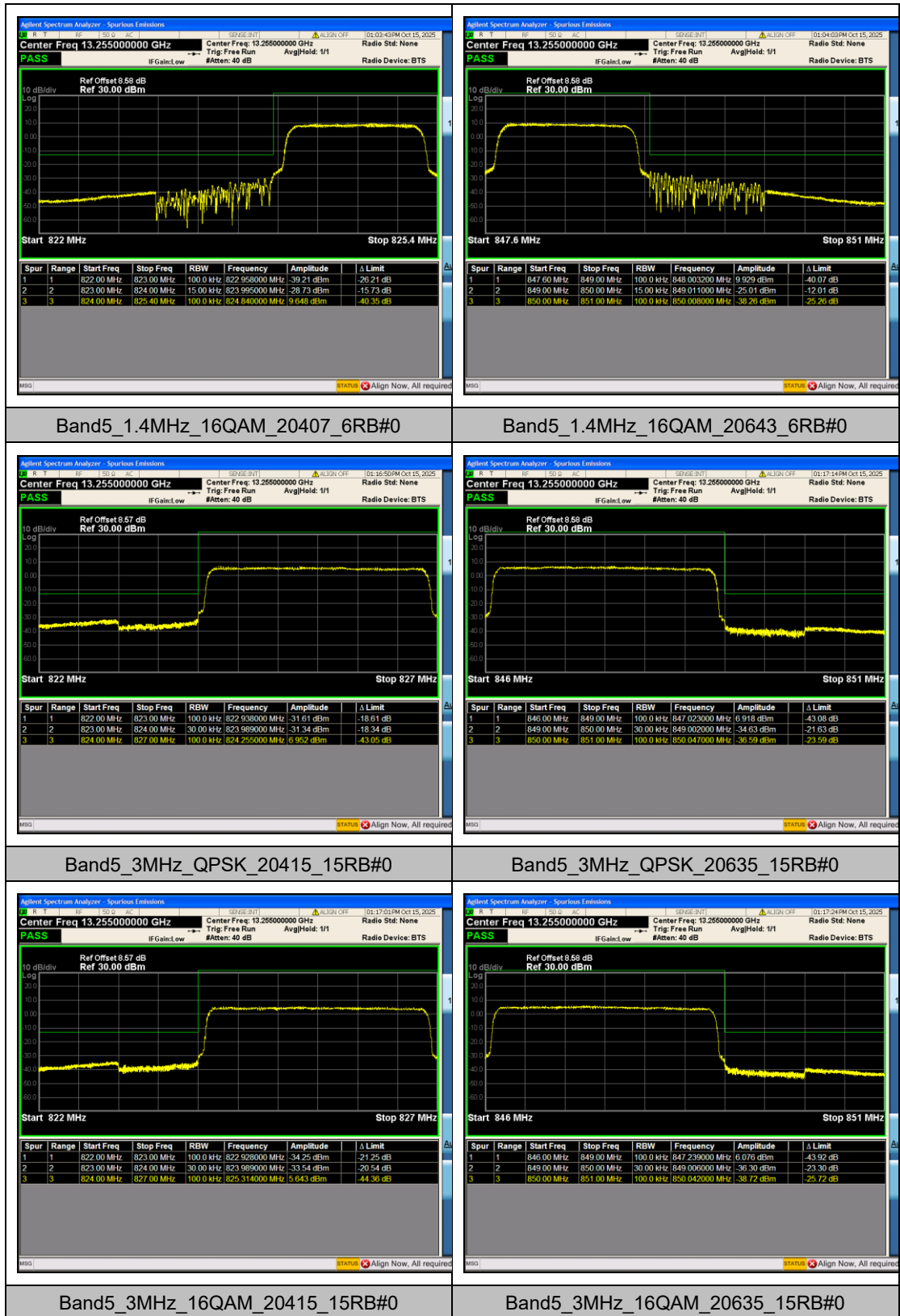
Appendix D: Band Edge

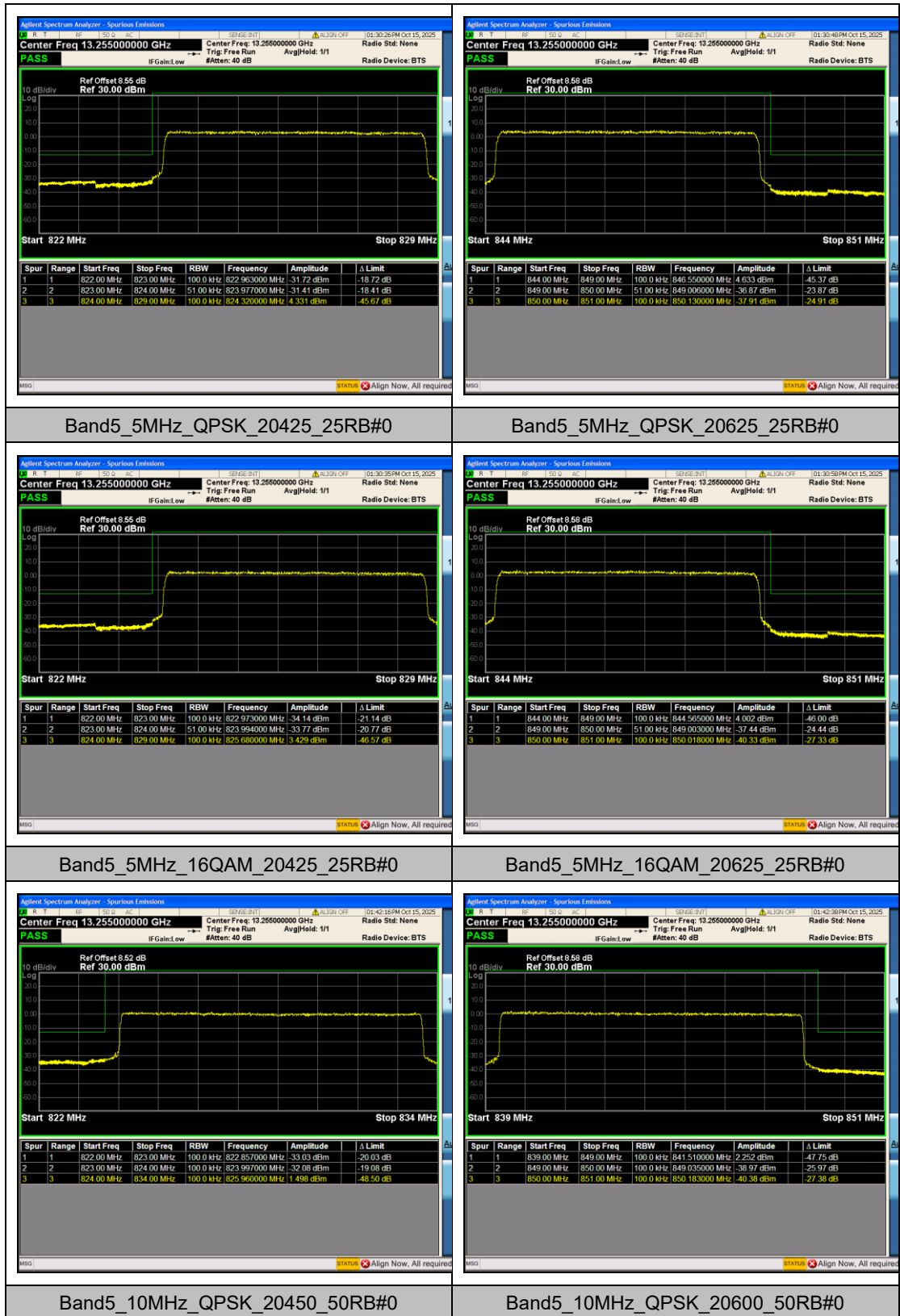
Test Result

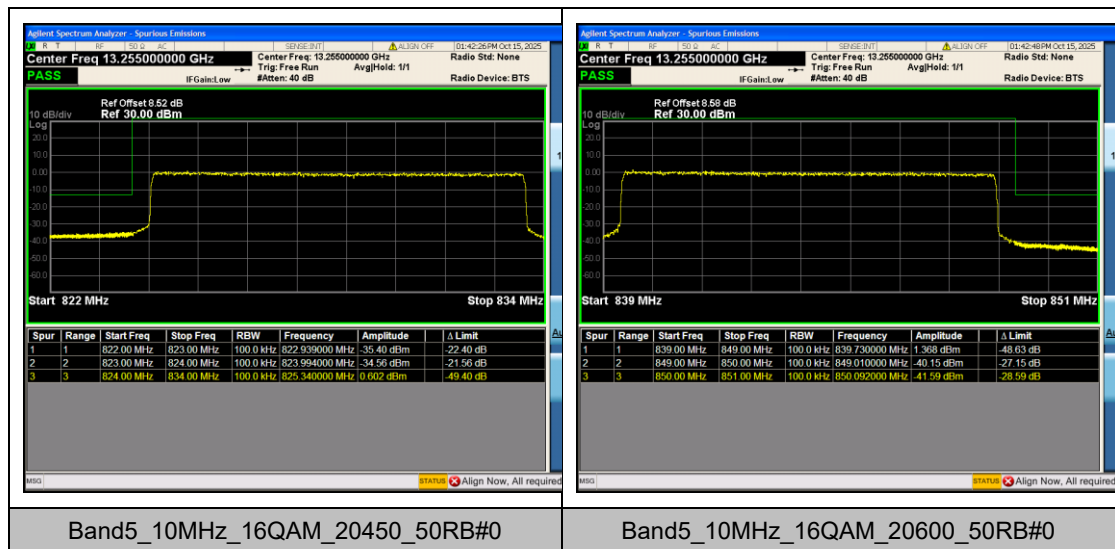
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-25.88	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-26.11	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-28.73	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-25.01	PASS
Band5	3MHz	QPSK	20415	15RB#0	-31.34	PASS
Band5	3MHz	QPSK	20635	15RB#0	-34.63	PASS
Band5	3MHz	16QAM	20415	15RB#0	-33.54	PASS
Band5	3MHz	16QAM	20635	15RB#0	-36.30	PASS
Band5	5MHz	QPSK	20425	25RB#0	-31.41	PASS
Band5	5MHz	QPSK	20625	25RB#0	-36.87	PASS
Band5	5MHz	16QAM	20425	25RB#0	-33.77	PASS
Band5	5MHz	16QAM	20625	25RB#0	-37.44	PASS
Band5	10MHz	QPSK	20450	50RB#0	-32.08	PASS
Band5	10MHz	QPSK	20600	50RB#0	-38.97	PASS
Band5	10MHz	16QAM	20450	50RB#0	-34.56	PASS
Band5	10MHz	16QAM	20600	50RB#0	-40.15	PASS

Test Graphs









Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	0.009~0.15	-36.79	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0.15~30	-51.58	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-46.88	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~3000	-46.81	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3000~10000	-42.88	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.009~0.15	-41.76	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.15~30	-51.70	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-47.92	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~3000	-46.53	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	3000~10000	-43.33	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.009~0.15	-42.22	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.15~30	-52.91	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-42.83	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~3000	-46.37	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3000~10000	-43.22	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.009~0.15	-39.37	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.15~30	-55.19	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	30~1000	-47.36	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1000~3000	-46.51	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	3000~10000	-43.16	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.009~0.15	-40.82	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.15~30	-52.85	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	30~1000	-48.56	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1000~3000	-46.70	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3000~10000	-43.27	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.009~0.15	-40.39	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.15~30	-53.25	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	30~1000	-45.90	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1000~3000	-46.49	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3000~10000	-42.93	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.009~0.15	-40.46	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.15~30	-53.60	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-49.10	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~3000	-46.99	PASS
Band5	3MHz	QPSK	20415	15RB#0	3000~10000	-42.95	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.009~0.15	-40.76	PASS

Band5	3MHz	QPSK	20525	15RB#0	0.15~30	-51.69	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-50.20	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~3000	-46.49	PASS
Band5	3MHz	QPSK	20525	15RB#0	3000~10000	-42.88	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.009~0.15	-42.65	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.15~30	-55.21	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-45.13	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~3000	-46.86	PASS
Band5	3MHz	QPSK	20635	15RB#0	3000~10000	-42.93	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.009~0.15	-39.46	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.15~30	-53.92	PASS
Band5	3MHz	16QAM	20415	15RB#0	30~1000	-51.68	PASS
Band5	3MHz	16QAM	20415	15RB#0	1000~3000	-46.76	PASS
Band5	3MHz	16QAM	20415	15RB#0	3000~10000	-42.82	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.009~0.15	-38.16	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.15~30	-52.03	PASS
Band5	3MHz	16QAM	20525	15RB#0	30~1000	-49.69	PASS
Band5	3MHz	16QAM	20525	15RB#0	1000~3000	-46.66	PASS
Band5	3MHz	16QAM	20525	15RB#0	3000~10000	-43.24	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.009~0.15	-39.36	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.15~30	-54.89	PASS
Band5	3MHz	16QAM	20635	15RB#0	30~1000	-47.86	PASS
Band5	3MHz	16QAM	20635	15RB#0	1000~3000	-46.73	PASS
Band5	3MHz	16QAM	20635	15RB#0	3000~10000	-42.84	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.009~0.15	-38.01	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.15~30	-53.57	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-50.85	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~3000	-46.67	PASS
Band5	5MHz	QPSK	20425	25RB#0	3000~10000	-42.92	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.009~0.15	-42.62	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.15~30	-53.19	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-51.58	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~3000	-46.50	PASS
Band5	5MHz	QPSK	20525	25RB#0	3000~10000	-43.22	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.009~0.15	-41.41	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.15~30	-51.15	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-50.13	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~3000	-46.62	PASS
Band5	5MHz	QPSK	20625	25RB#0	3000~10000	-43.29	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.009~0.15	-42.95	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.15~30	-54.11	PASS
Band5	5MHz	16QAM	20425	25RB#0	30~1000	-53.05	PASS
Band5	5MHz	16QAM	20425	25RB#0	1000~3000	-46.47	PASS

Band5	5MHz	16QAM	20425	25RB#0	3000~10000	-43.24	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.009~0.15	-41.17	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.15~30	-53.10	PASS
Band5	5MHz	16QAM	20525	25RB#0	30~1000	-51.58	PASS
Band5	5MHz	16QAM	20525	25RB#0	1000~3000	-46.66	PASS
Band5	5MHz	16QAM	20525	25RB#0	3000~10000	-43.23	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.009~0.15	-39.61	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.15~30	-54.30	PASS
Band5	5MHz	16QAM	20625	25RB#0	30~1000	-53.26	PASS
Band5	5MHz	16QAM	20625	25RB#0	1000~3000	-46.61	PASS
Band5	5MHz	16QAM	20625	25RB#0	3000~10000	-42.71	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.009~0.15	-41.16	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.15~30	-52.86	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-61.27	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~3000	-46.80	PASS
Band5	10MHz	QPSK	20450	50RB#0	3000~10000	-43.21	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.009~0.15	-36.19	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.15~30	-51.73	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-56.36	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~3000	-46.49	PASS
Band5	10MHz	QPSK	20525	50RB#0	3000~10000	-43.11	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.009~0.15	-41.12	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.15~30	-53.29	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-52.59	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~3000	-46.84	PASS
Band5	10MHz	QPSK	20600	50RB#0	3000~10000	-43.09	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.009~0.15	-41.47	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.15~30	-52.04	PASS
Band5	10MHz	16QAM	20450	50RB#0	30~1000	-61.29	PASS
Band5	10MHz	16QAM	20450	50RB#0	1000~3000	-46.37	PASS
Band5	10MHz	16QAM	20450	50RB#0	3000~10000	-43.21	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.009~0.15	-44.55	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.15~30	-54.54	PASS
Band5	10MHz	16QAM	20525	50RB#0	30~1000	-57.63	PASS
Band5	10MHz	16QAM	20525	50RB#0	1000~3000	-46.51	PASS
Band5	10MHz	16QAM	20525	50RB#0	3000~10000	-43.17	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.009~0.15	-43.84	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.15~30	-53.80	PASS
Band5	10MHz	16QAM	20600	50RB#0	30~1000	-53.92	PASS
Band5	10MHz	16QAM	20600	50RB#0	1000~3000	-46.64	PASS
Band5	10MHz	16QAM	20600	50RB#0	3000~10000	-43.10	PASS

Test Graphs

