

FCC Appendix RF Test Data for LTE Band 5

FCC ID : 2BT4L-M5-CX

Company : Infinity Mobile Limited

EUT : Portable WIFI

Model Number : M5-CX

Report No. : CTA25103000203

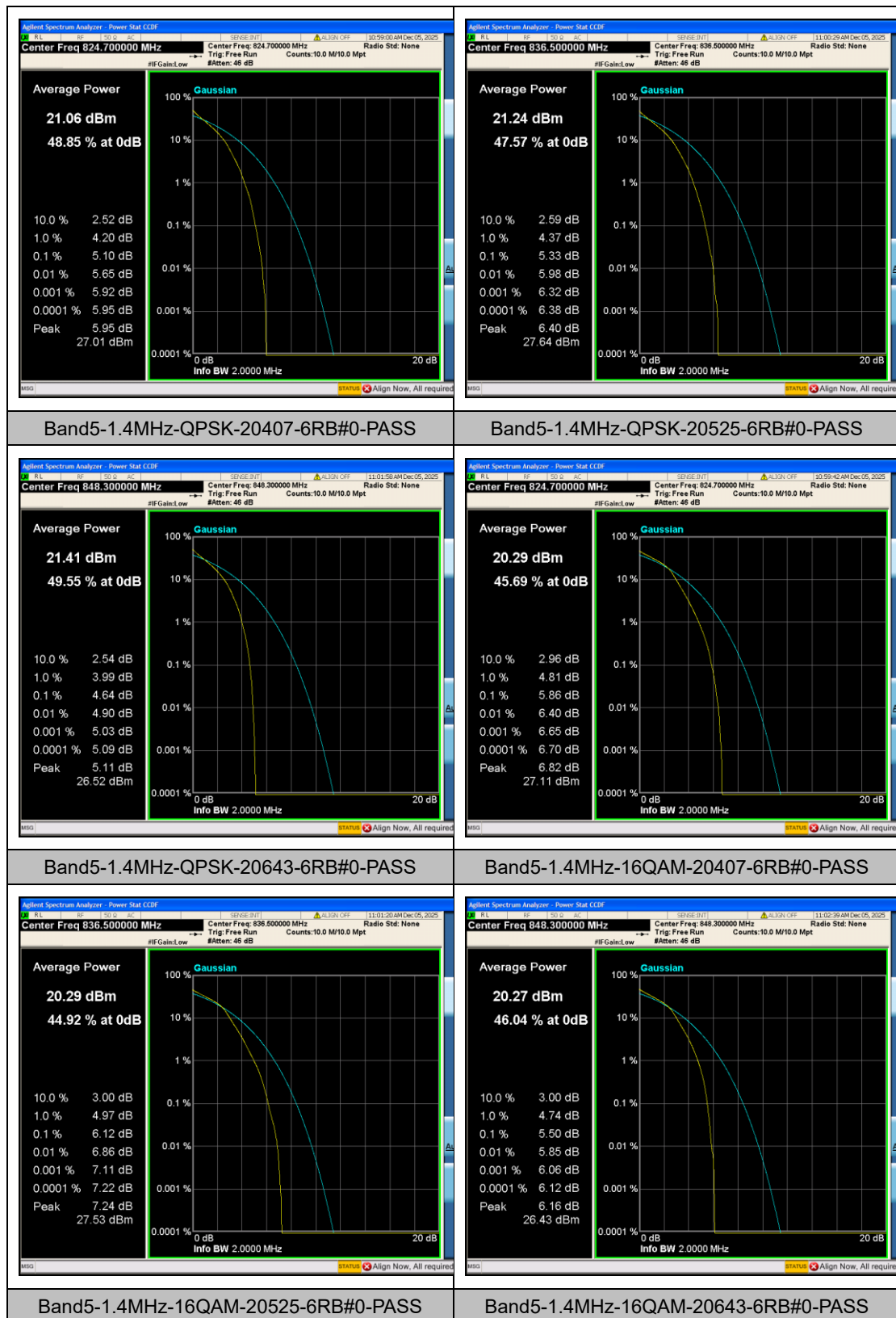
Reviewed By : Eric Wang

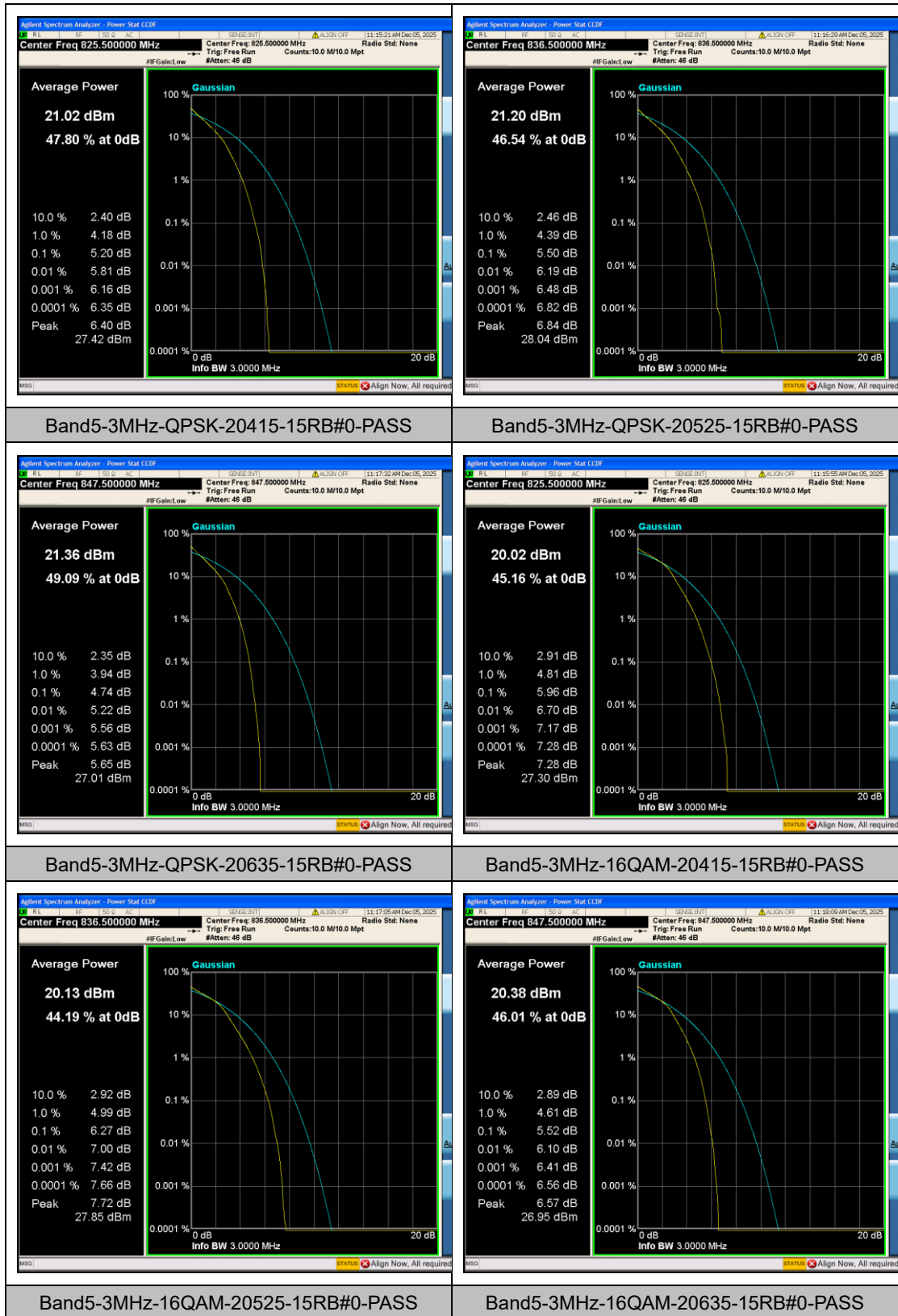
Appendix B: Peak-to-Average Ratio(CCDF)

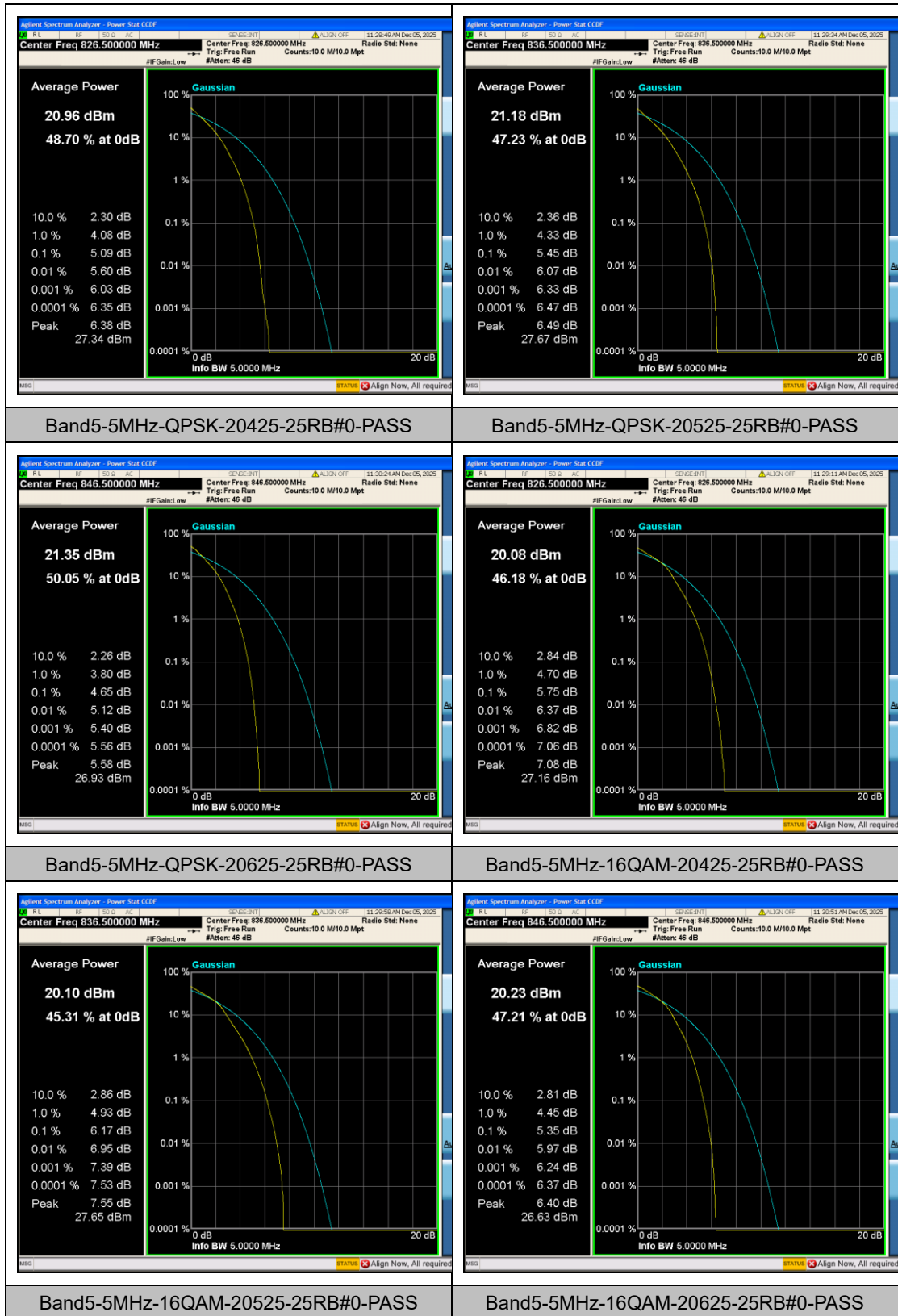
Test Result

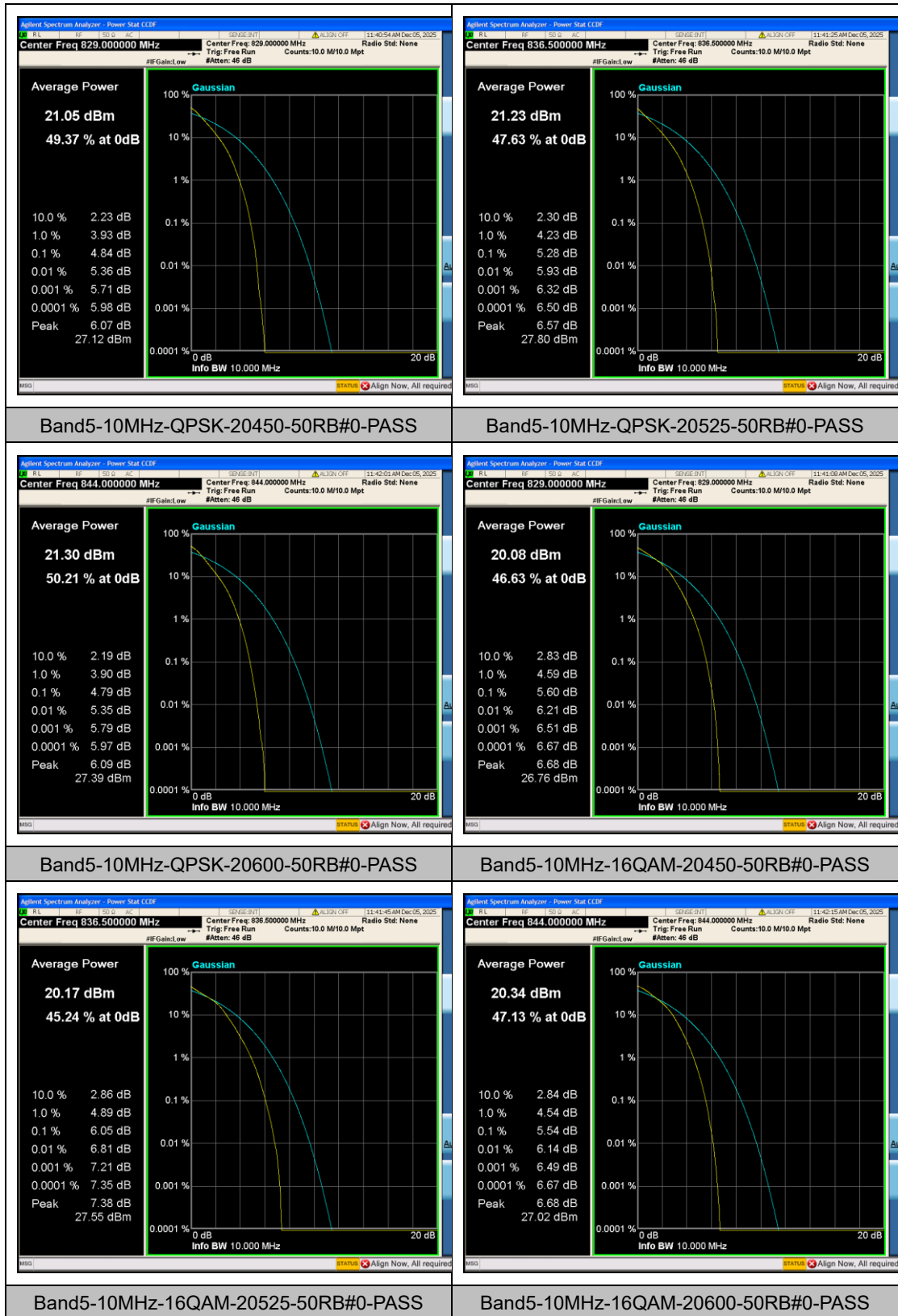
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.10	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.33	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.64	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.86	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.12	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.50	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.20	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.50	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.74	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.96	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.27	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.52	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.09	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.45	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.65	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.75	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.17	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.35	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	4.84	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.28	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.79	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.60	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.05	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.54	13	PASS

Test Graphs







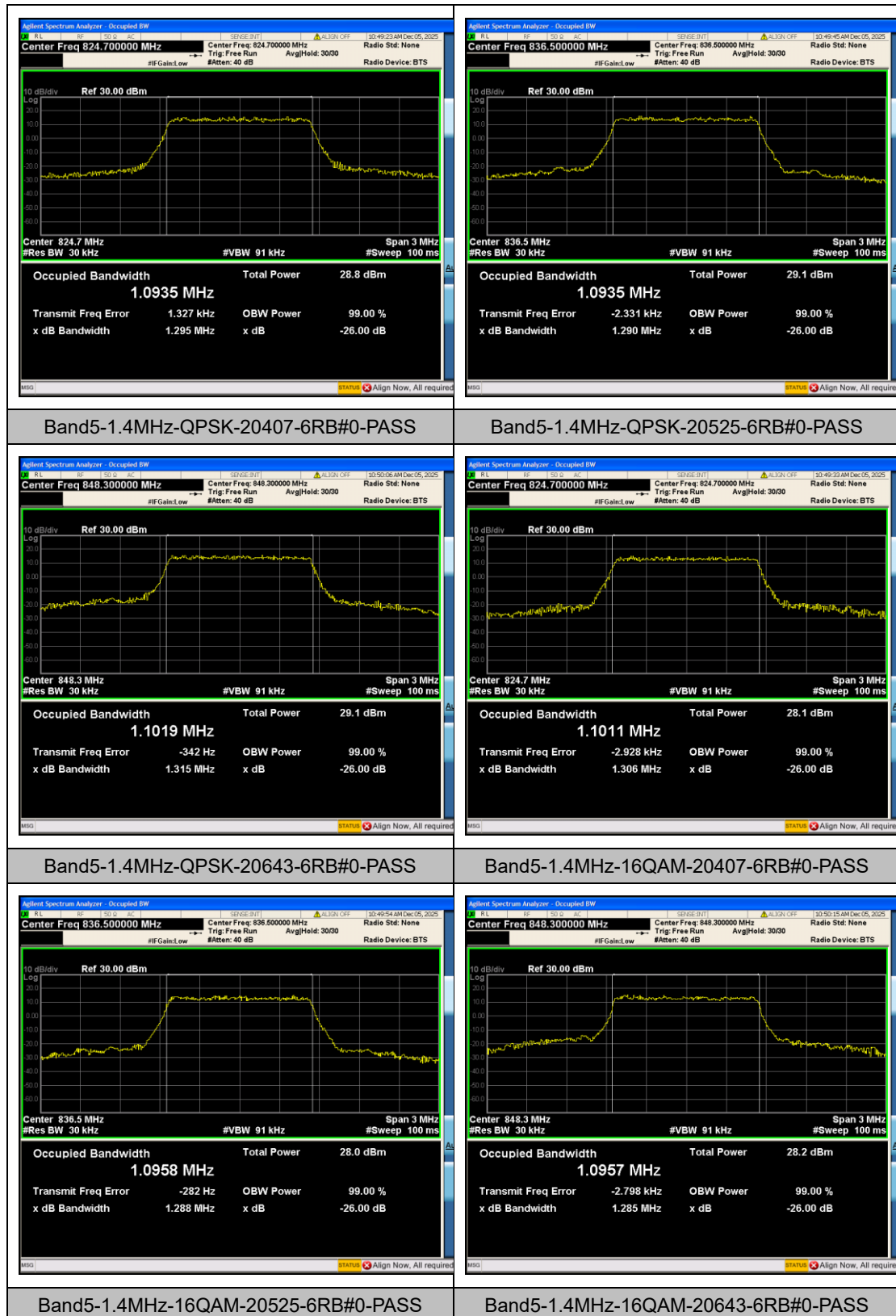


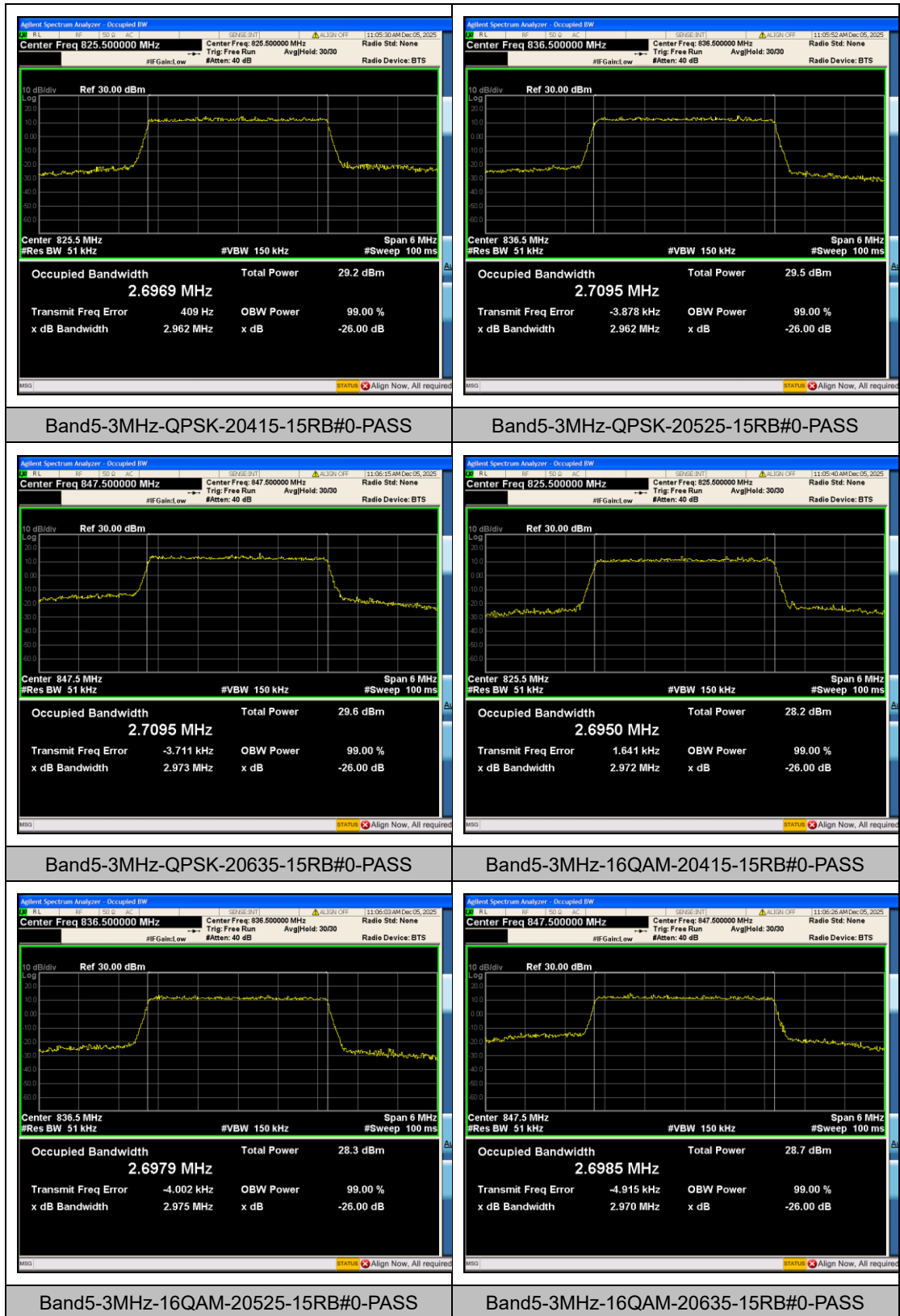
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0935	1.295	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0935	1.290	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1019	1.315	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1011	1.306	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0958	1.288	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0957	1.285	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6969	2.962	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7095	2.962	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7095	2.973	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6950	2.972	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6979	2.975	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6985	2.970	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.5067	5.001	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4961	4.989	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5138	5.685	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4994	4.972	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5034	5.029	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5285	5.621	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9597	9.917	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9890	9.953	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9190	9.852	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9626	9.873	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9847	9.953	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9346	9.813	PASS

Test Graphs

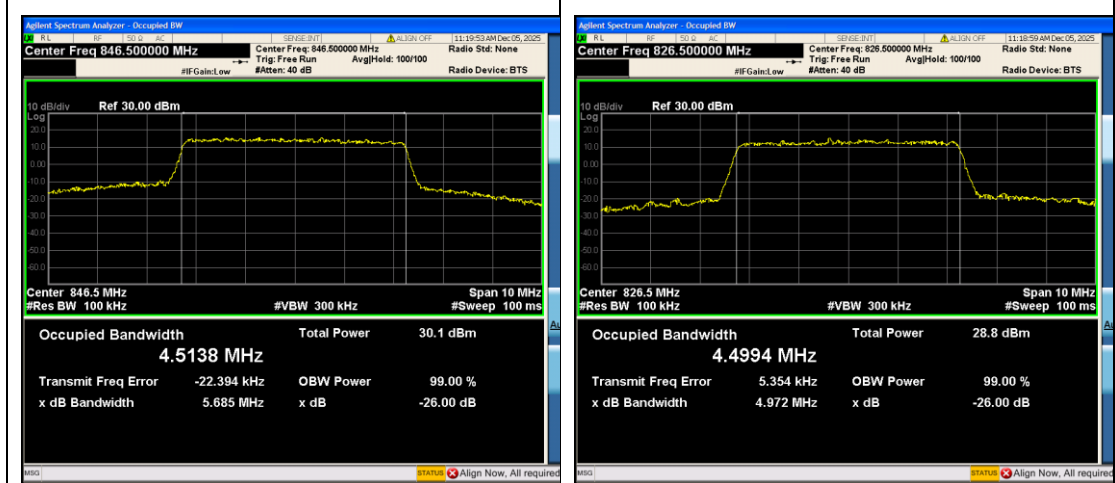






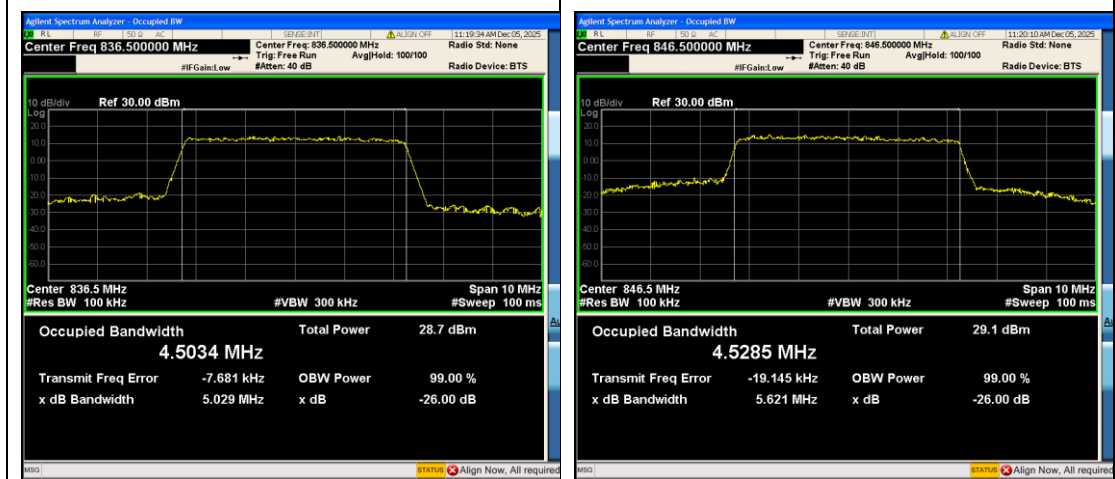
Band5-5MHz-QPSK-20425-25RB#0-PASS

Band5-5MHz-QPSK-20525-25RB#0-PASS



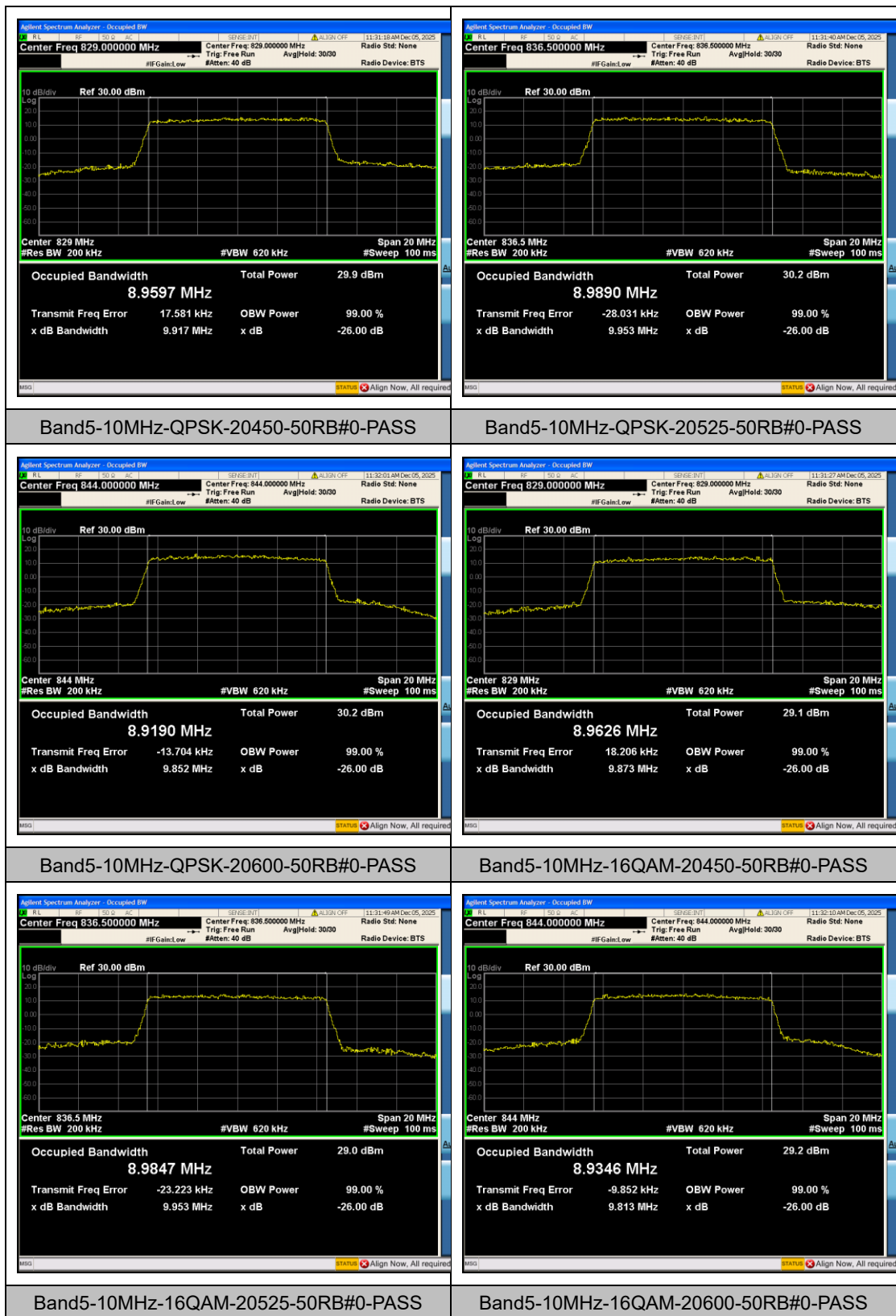
Band5-5MHz-QPSK-20625-25RB#0-PASS

Band5-5MHz-16QAM-20425-25RB#0-PASS



Band5-5MHz-16QAM-20525-25RB#0-PASS

Band5-5MHz-16QAM-20625-25RB#0-PASS

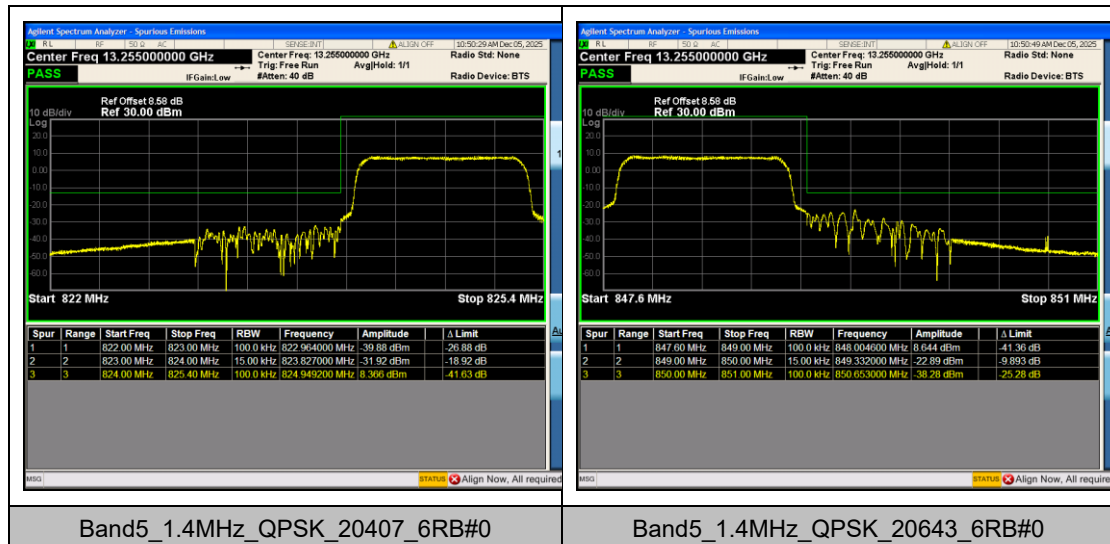


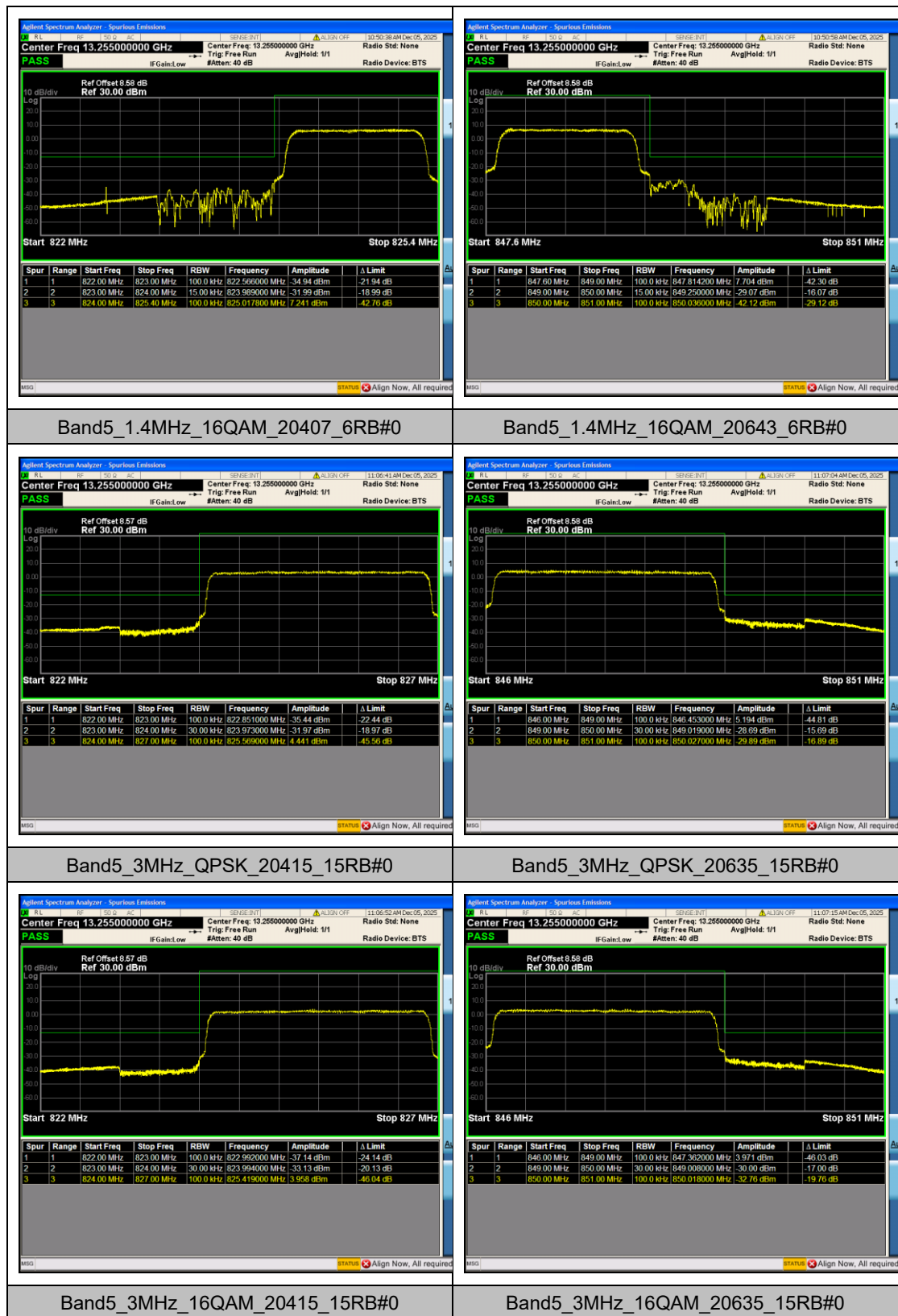
Appendix D: Band Edge

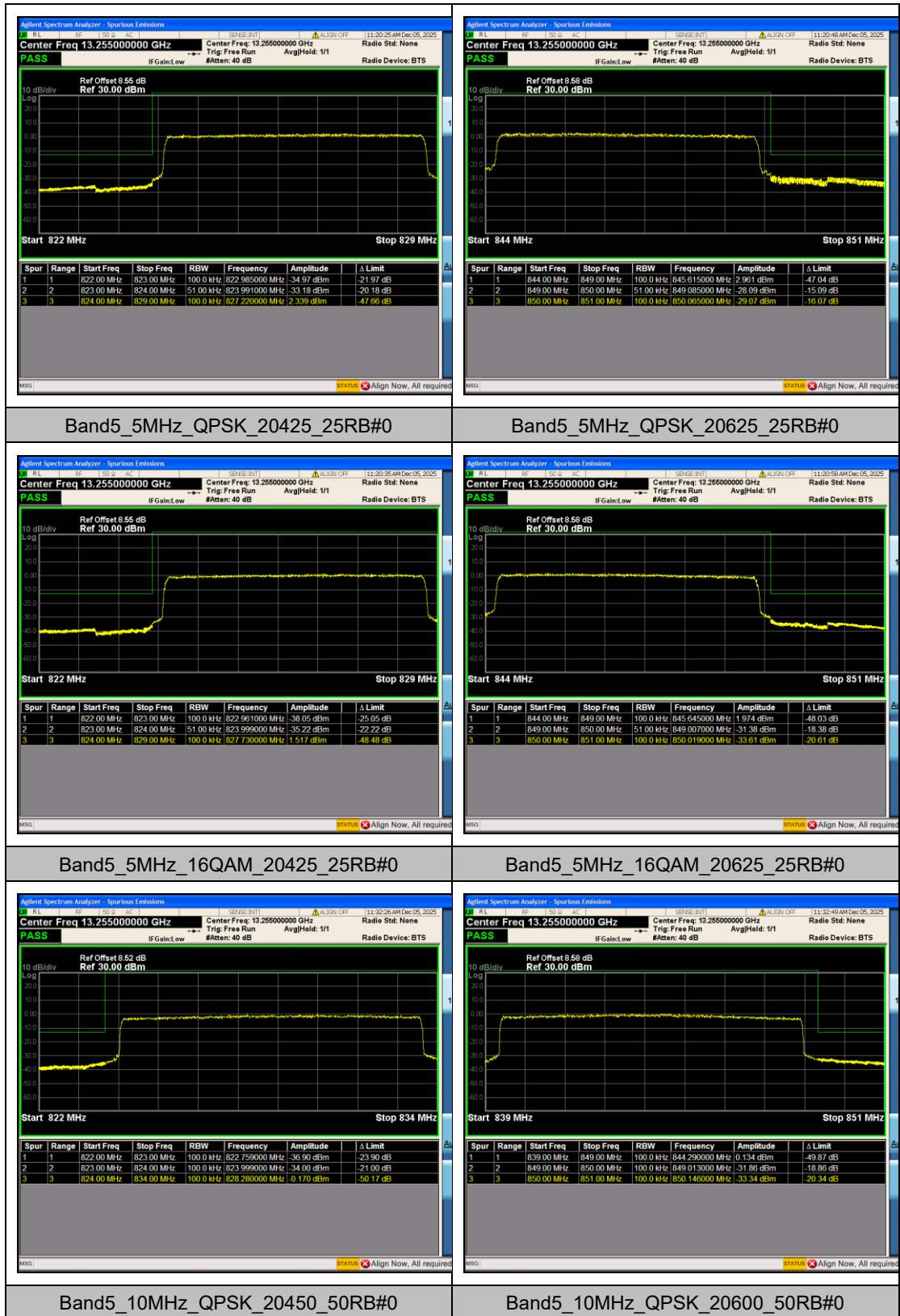
Test Result

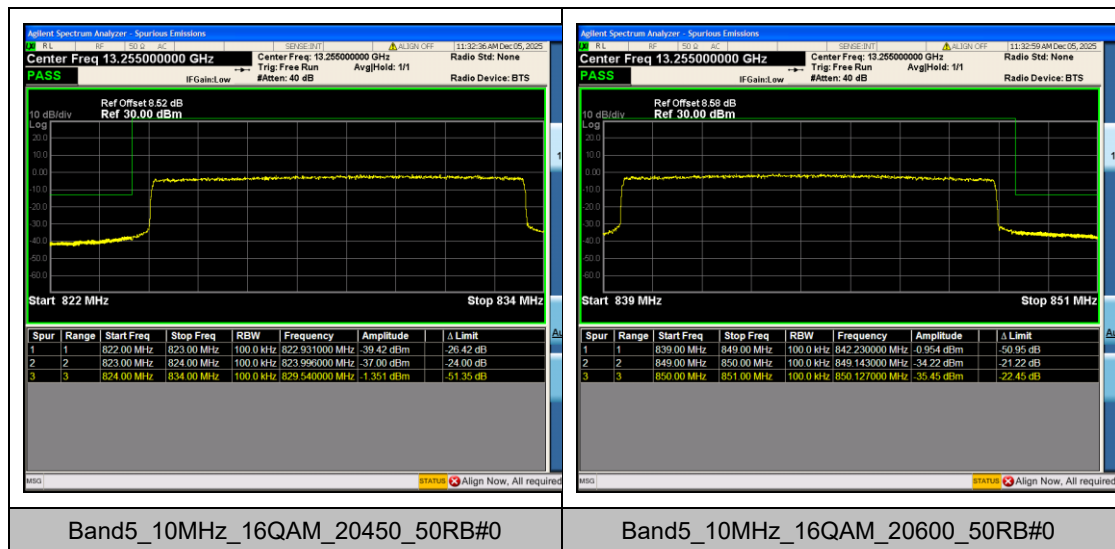
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-31.92	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-22.89	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-31.99	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-29.07	PASS
Band5	3MHz	QPSK	20415	15RB#0	-31.97	PASS
Band5	3MHz	QPSK	20635	15RB#0	-28.69	PASS
Band5	3MHz	16QAM	20415	15RB#0	-33.13	PASS
Band5	3MHz	16QAM	20635	15RB#0	-30.00	PASS
Band5	5MHz	QPSK	20425	25RB#0	-33.18	PASS
Band5	5MHz	QPSK	20625	25RB#0	-28.09	PASS
Band5	5MHz	16QAM	20425	25RB#0	-35.22	PASS
Band5	5MHz	16QAM	20625	25RB#0	-31.38	PASS
Band5	10MHz	QPSK	20450	50RB#0	-34.00	PASS
Band5	10MHz	QPSK	20600	50RB#0	-31.86	PASS
Band5	10MHz	16QAM	20450	50RB#0	-37.00	PASS
Band5	10MHz	16QAM	20600	50RB#0	-34.22	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	-43.82	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0.15~30	-51.57	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-49.04	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~3000	-46.92	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3000~10000	-43.77	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.009~0.15	-44.28	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.15~30	-52.07	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-50.08	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~3000	-46.75	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	3000~10000	-44.15	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.009~0.15	-40.21	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.15~30	-53.14	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-48.23	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~3000	-39.47	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3000~10000	-44.29	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.009~0.15	-43.05	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.15~30	-51.46	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	30~1000	-50.70	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1000~3000	-46.81	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	3000~10000	-44.03	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.009~0.15	-41.80	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.15~30	-51.73	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	30~1000	-52.07	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1000~3000	-46.95	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3000~10000	-43.76	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.009~0.15	-41.38	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.15~30	-53.36	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	30~1000	-49.38	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1000~3000	-35.96	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3000~10000	-44.32	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.009~0.15	-43.75	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.15~30	-52.26	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-50.68	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~3000	-45.96	PASS
Band5	3MHz	QPSK	20415	15RB#0	3000~10000	-43.64	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.009~0.15	-40.74	PASS

Band5	3MHz	QPSK	20525	15RB#0	0.15~30	-52.71	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-51.10	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~3000	-38.24	PASS
Band5	3MHz	QPSK	20525	15RB#0	3000~10000	-44.30	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.009~0.15	-40.28	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.15~30	-52.78	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-50.14	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~3000	-46.46	PASS
Band5	3MHz	QPSK	20635	15RB#0	3000~10000	-43.87	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.009~0.15	-39.23	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.15~30	-51.65	PASS
Band5	3MHz	16QAM	20415	15RB#0	30~1000	-51.49	PASS
Band5	3MHz	16QAM	20415	15RB#0	1000~3000	-40.51	PASS
Band5	3MHz	16QAM	20415	15RB#0	3000~10000	-43.88	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.009~0.15	-43.92	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.15~30	-52.00	PASS
Band5	3MHz	16QAM	20525	15RB#0	30~1000	-52.67	PASS
Band5	3MHz	16QAM	20525	15RB#0	1000~3000	-46.77	PASS
Band5	3MHz	16QAM	20525	15RB#0	3000~10000	-44.06	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.009~0.15	-40.56	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.15~30	-51.77	PASS
Band5	3MHz	16QAM	20635	15RB#0	30~1000	-51.34	PASS
Band5	3MHz	16QAM	20635	15RB#0	1000~3000	-46.81	PASS
Band5	3MHz	16QAM	20635	15RB#0	3000~10000	-43.69	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.009~0.15	-41.92	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.15~30	-51.94	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-53.24	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~3000	-46.72	PASS
Band5	5MHz	QPSK	20425	25RB#0	3000~10000	-43.69	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.009~0.15	-41.58	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.15~30	-52.68	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-54.26	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~3000	-47.05	PASS
Band5	5MHz	QPSK	20525	25RB#0	3000~10000	-44.26	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.009~0.15	-39.09	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.15~30	-52.68	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-52.90	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~3000	-46.99	PASS
Band5	5MHz	QPSK	20625	25RB#0	3000~10000	-43.84	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.009~0.15	-44.03	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.15~30	-51.64	PASS
Band5	5MHz	16QAM	20425	25RB#0	30~1000	-54.88	PASS
Band5	5MHz	16QAM	20425	25RB#0	1000~3000	-46.69	PASS

Band5	5MHz	16QAM	20425	25RB#0	3000~10000	-43.56	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.009~0.15	-41.50	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.15~30	-52.04	PASS
Band5	5MHz	16QAM	20525	25RB#0	30~1000	-55.07	PASS
Band5	5MHz	16QAM	20525	25RB#0	1000~3000	-46.84	PASS
Band5	5MHz	16QAM	20525	25RB#0	3000~10000	-44.19	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.009~0.15	-42.86	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.15~30	-53.19	PASS
Band5	5MHz	16QAM	20625	25RB#0	30~1000	-55.47	PASS
Band5	5MHz	16QAM	20625	25RB#0	1000~3000	-47.16	PASS
Band5	5MHz	16QAM	20625	25RB#0	3000~10000	-44.15	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.009~0.15	-41.90	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.15~30	-51.65	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-61.68	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~3000	-47.07	PASS
Band5	10MHz	QPSK	20450	50RB#0	3000~10000	-44.12	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.009~0.15	-41.97	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.15~30	-51.49	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-56.98	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~3000	-46.55	PASS
Band5	10MHz	QPSK	20525	50RB#0	3000~10000	-43.76	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.009~0.15	-40.69	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.15~30	-52.62	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-55.71	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~3000	-46.76	PASS
Band5	10MHz	QPSK	20600	50RB#0	3000~10000	-43.84	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.009~0.15	-40.32	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.15~30	-52.43	PASS
Band5	10MHz	16QAM	20450	50RB#0	30~1000	-62.08	PASS
Band5	10MHz	16QAM	20450	50RB#0	1000~3000	-46.87	PASS
Band5	10MHz	16QAM	20450	50RB#0	3000~10000	-43.85	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.009~0.15	-42.35	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.15~30	-52.78	PASS
Band5	10MHz	16QAM	20525	50RB#0	30~1000	-58.49	PASS
Band5	10MHz	16QAM	20525	50RB#0	1000~3000	-46.88	PASS
Band5	10MHz	16QAM	20525	50RB#0	3000~10000	-44.17	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.009~0.15	-41.73	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.15~30	-52.11	PASS
Band5	10MHz	16QAM	20600	50RB#0	30~1000	-57.84	PASS
Band5	10MHz	16QAM	20600	50RB#0	1000~3000	-47.11	PASS
Band5	10MHz	16QAM	20600	50RB#0	3000~10000	-44.20	PASS

Test Graphs

