

FCC Appendix RF Test Data for LTE Band 5

FCC ID : **R38YLCPK23**

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

EUT : **Smart Phone**

Model Number : **K23**

Report No. : **CTA26032500705**

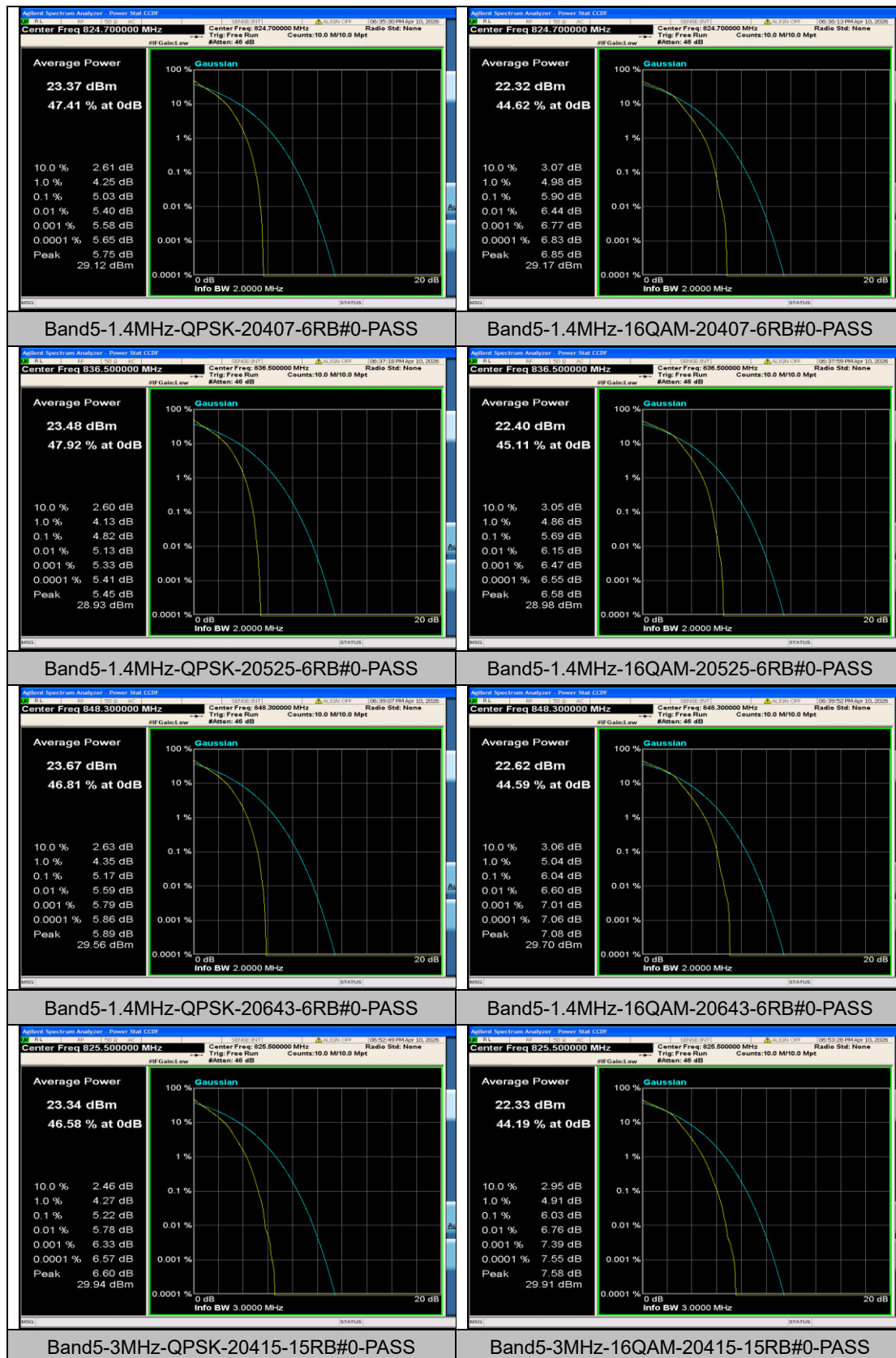
Reviewed By : **Eric Wang**

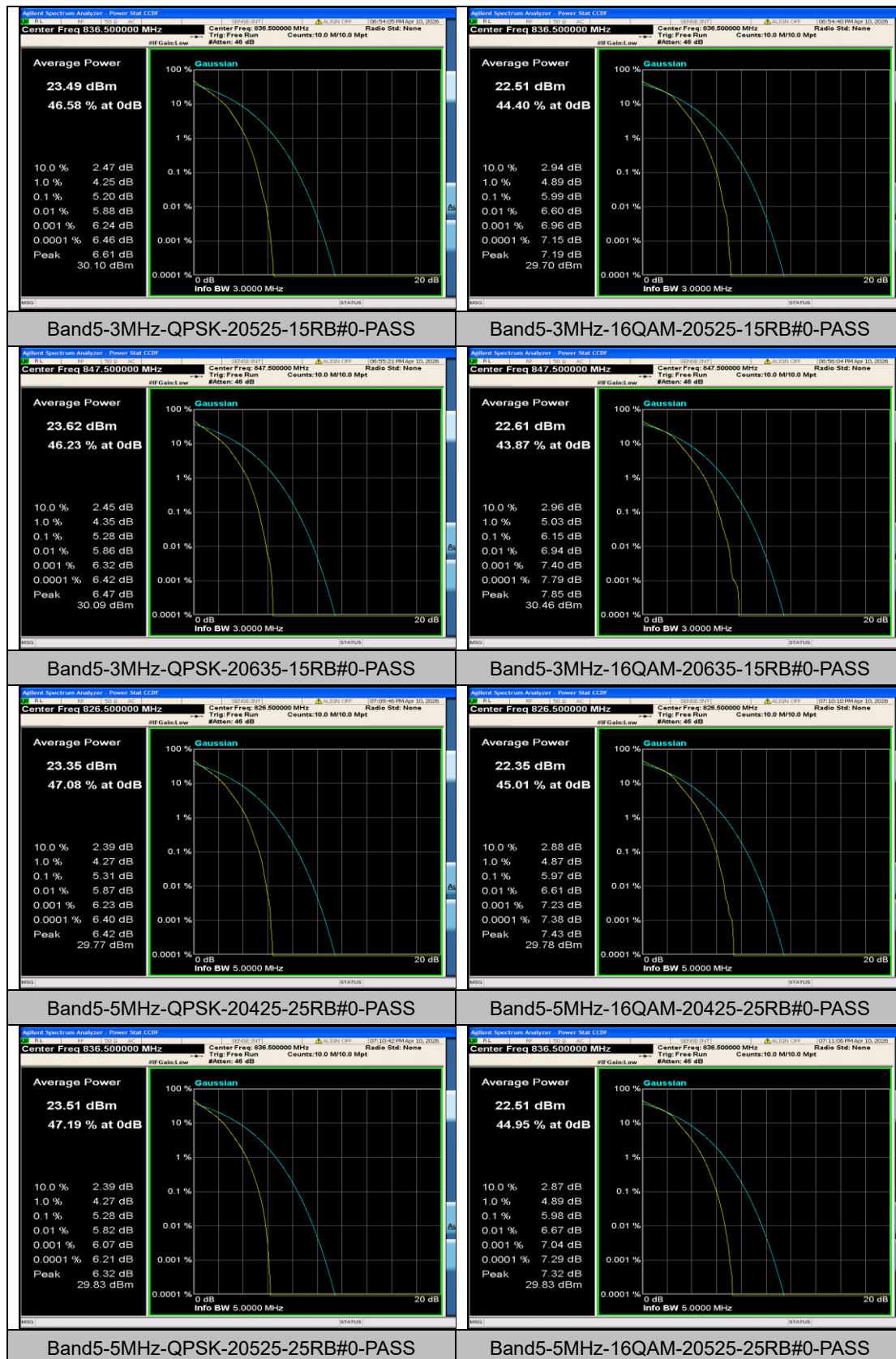
Appendix A: Peak-to-Average Ratio(CCDF)

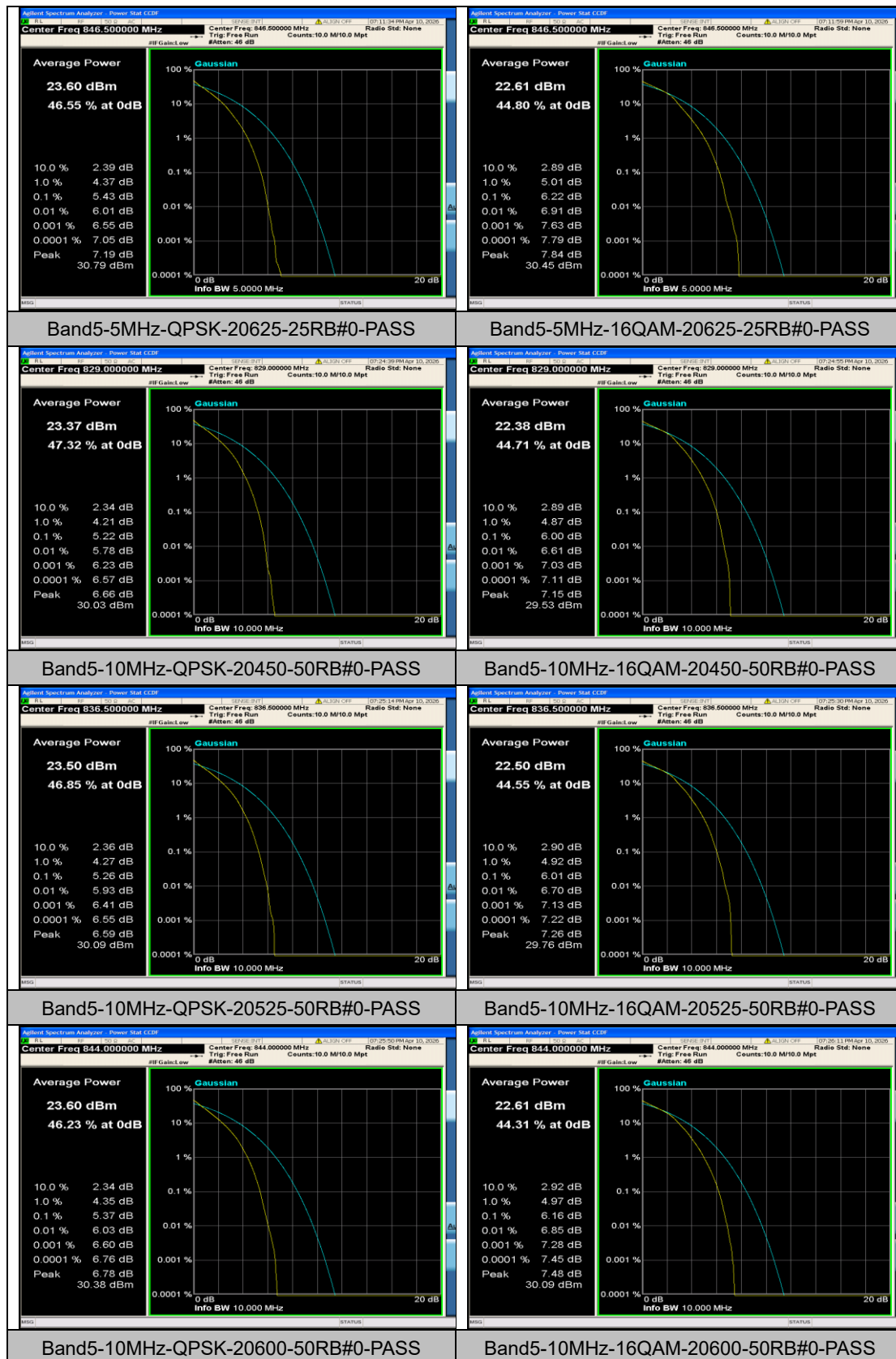
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	5.03	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.90	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	4.82	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.69	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.17	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.04	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.22	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.03	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.20	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.99	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.28	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.15	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.31	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.97	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.28	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.98	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.43	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.22	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.22	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.00	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.26	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	6.01	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.37	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.16	13	PASS

Test Graphs





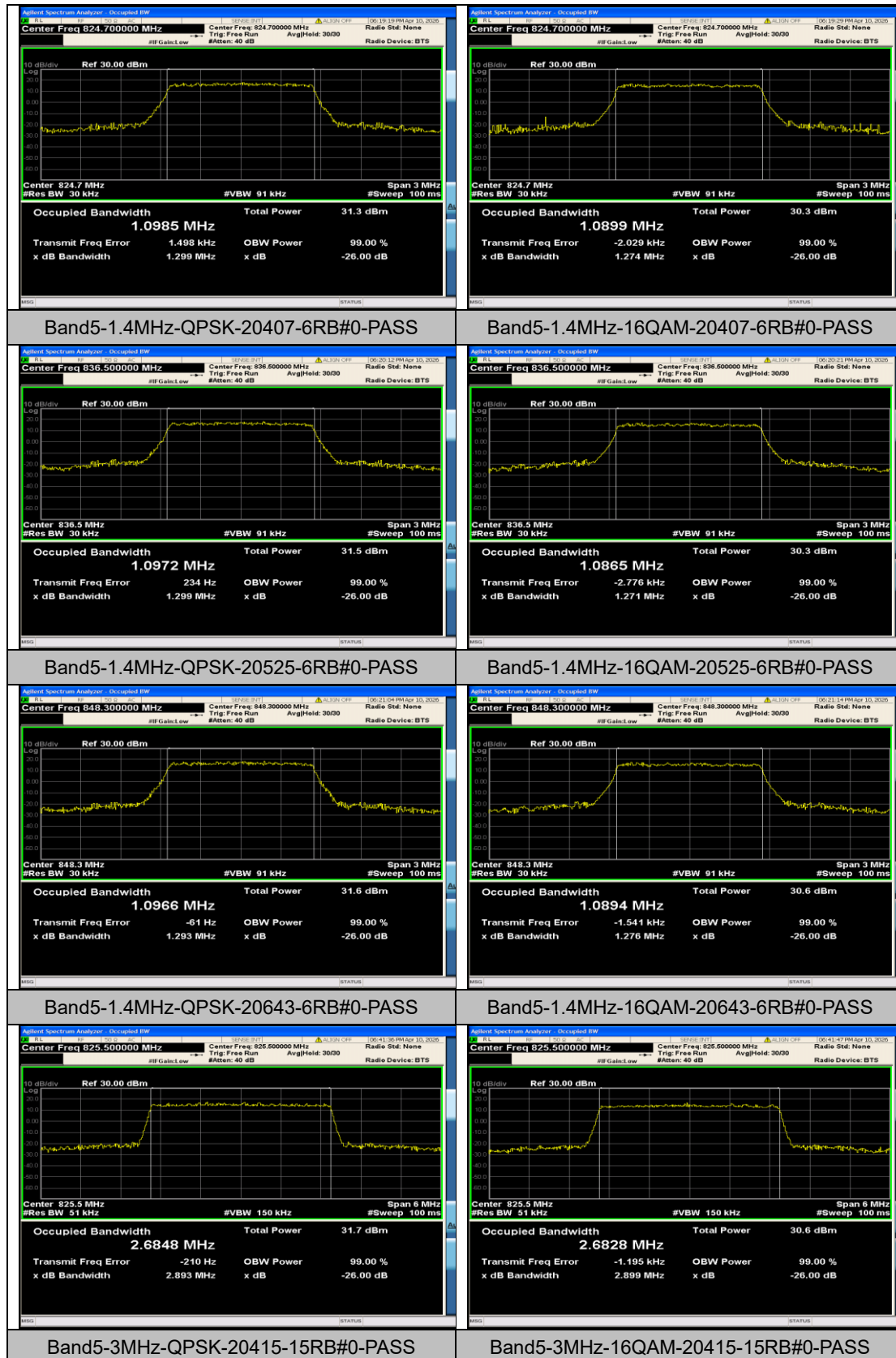


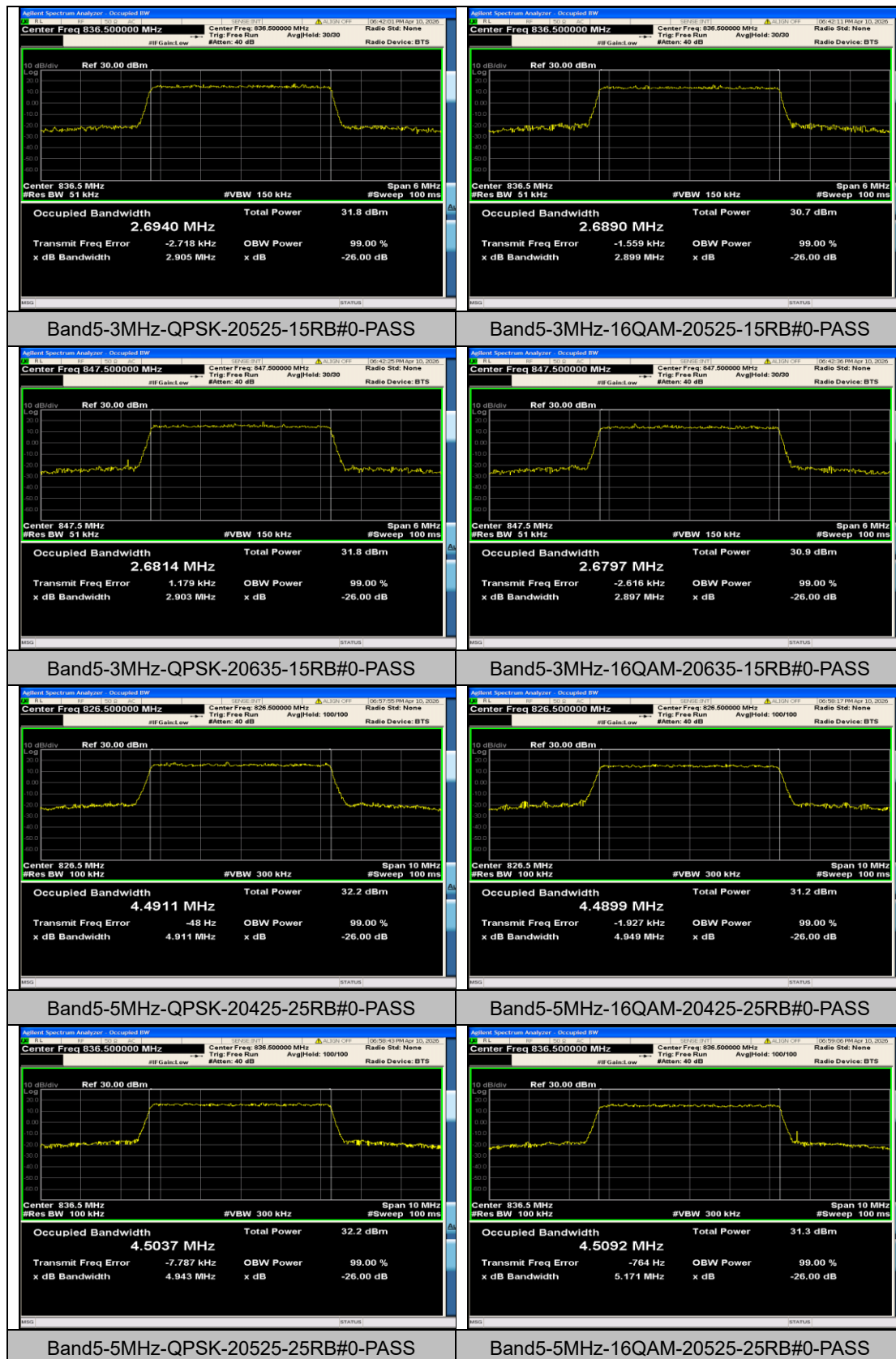
Appendix B: 26dB Bandwidth and Occupied Bandwidth

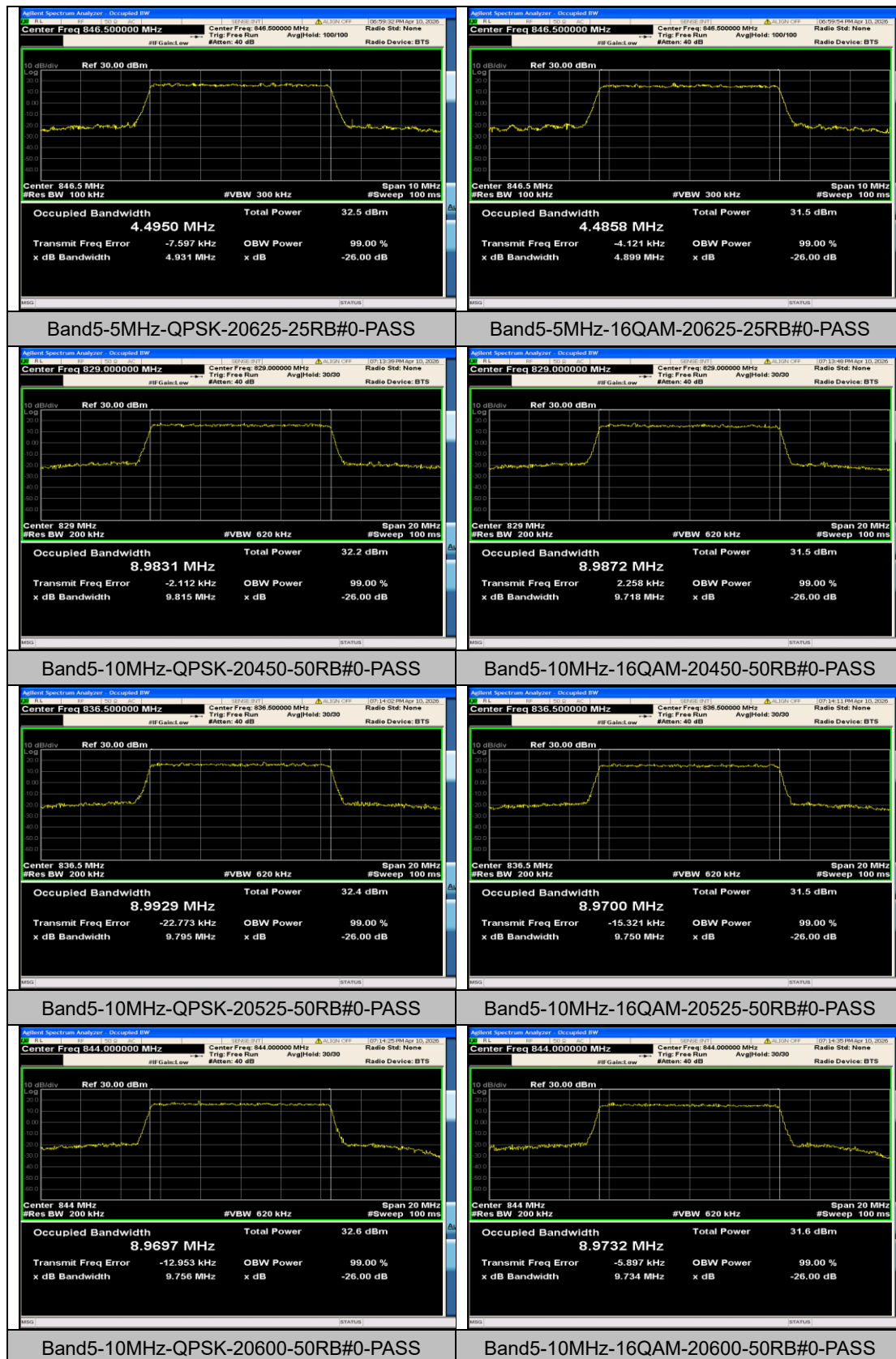
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0985	1.299	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0899	1.274	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0972	1.299	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0865	1.271	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0966	1.293	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0894	1.276	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6848	2.893	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6828	2.899	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6940	2.905	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6890	2.899	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6814	2.903	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6797	2.897	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4911	4.911	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4899	4.949	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.5037	4.943	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5092	5.171	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4950	4.931	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4858	4.899	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9831	9.815	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9872	9.718	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9929	9.795	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9700	9.750	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9697	9.756	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9732	9.734	PASS

Test Graphs





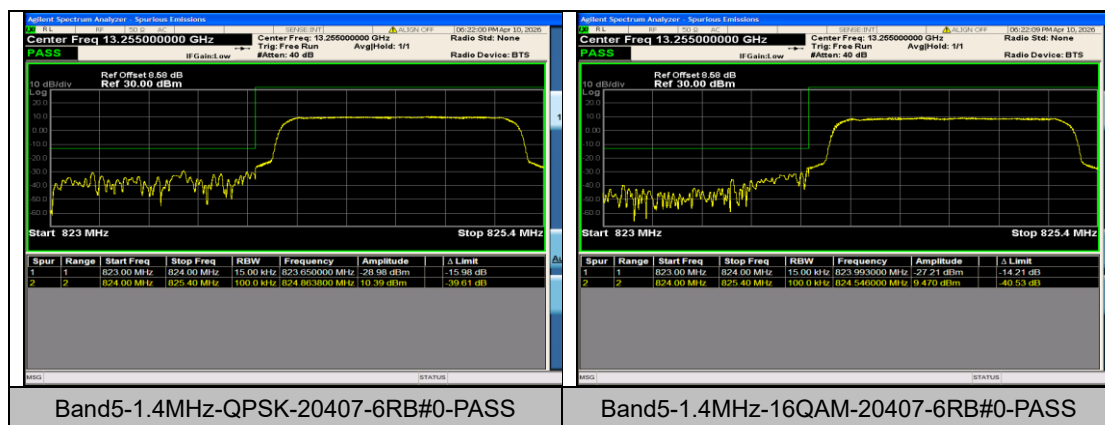


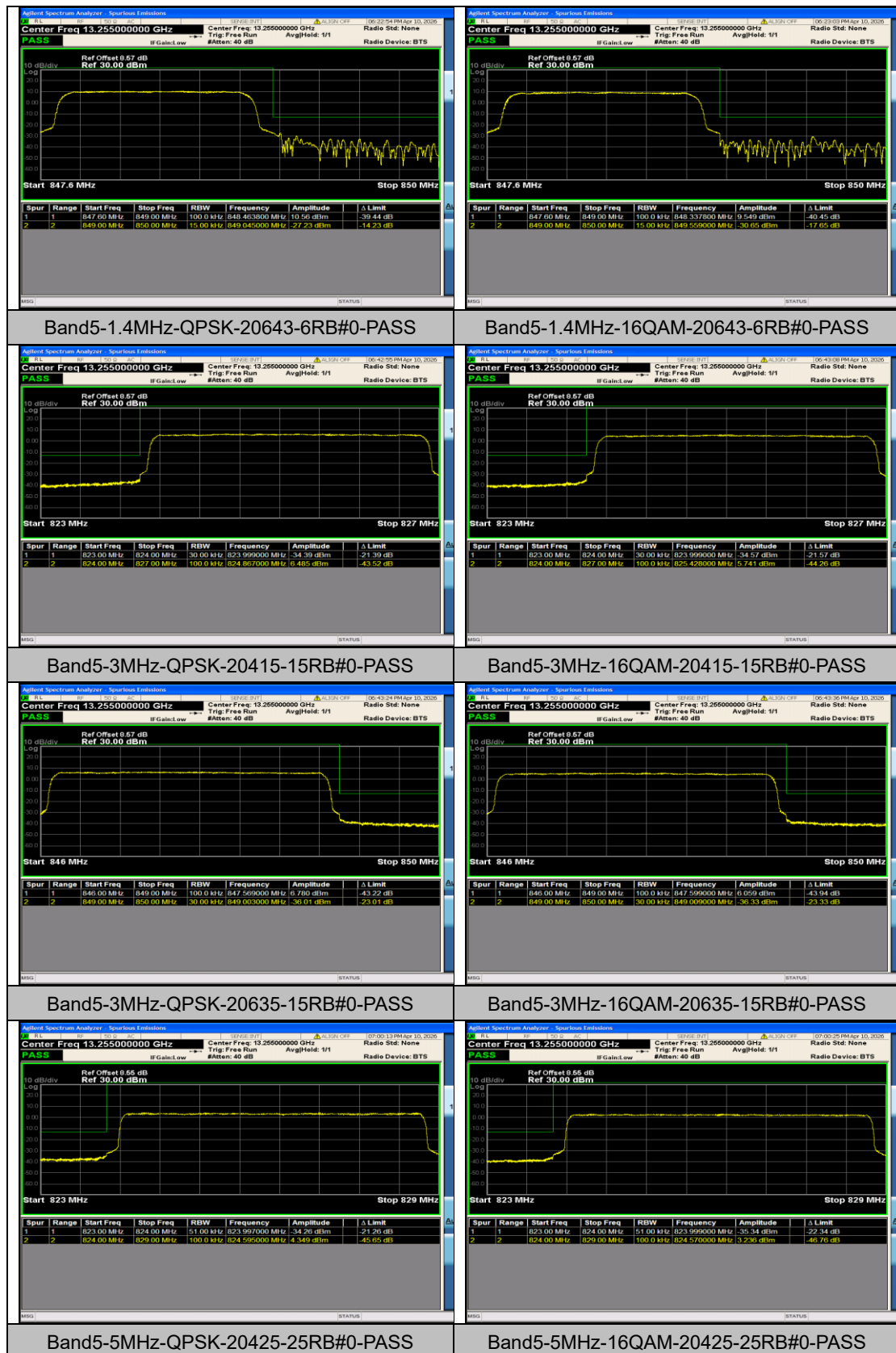
Appendix C: Band Edge

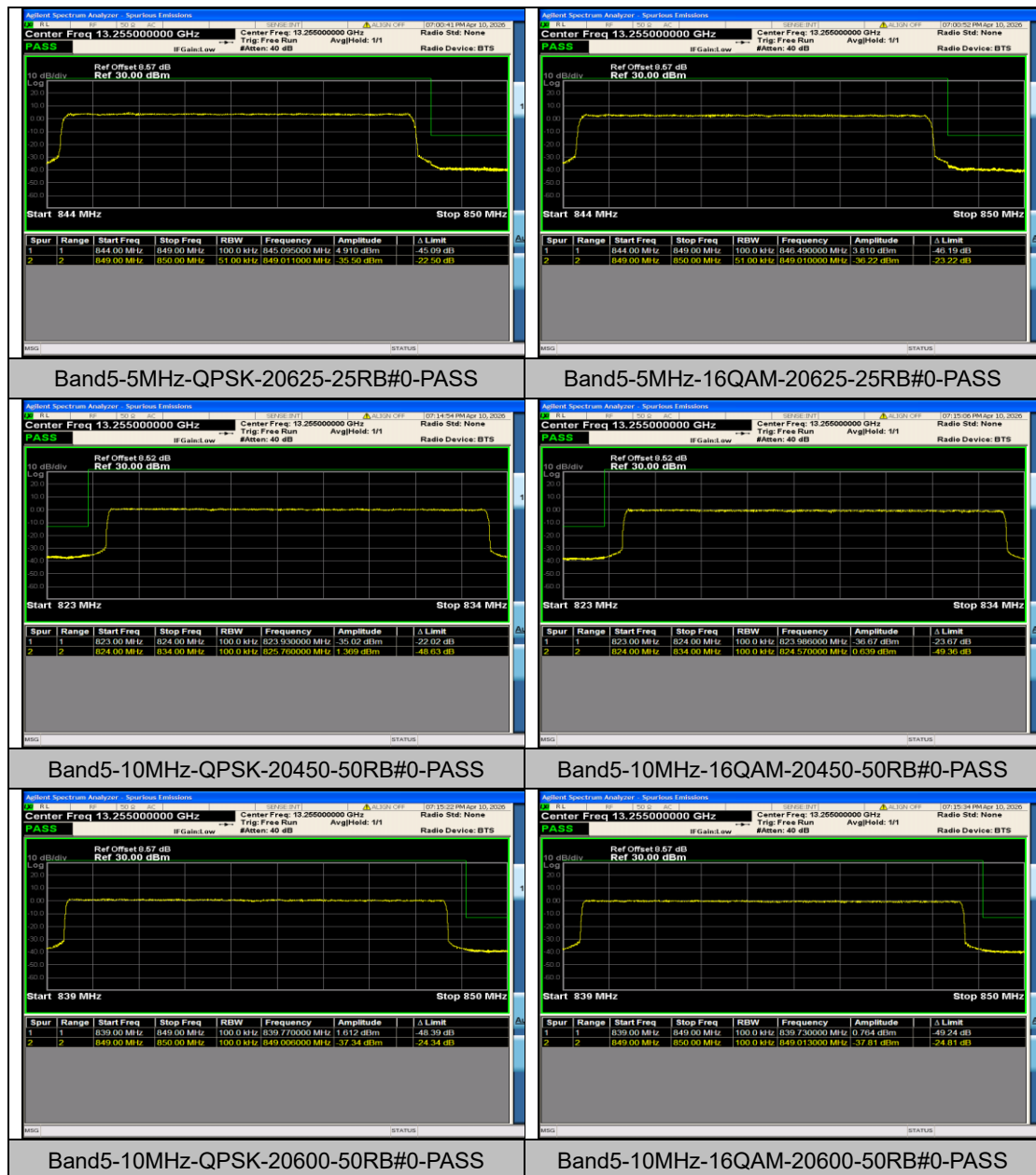
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	-28.98	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-27.21	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-27.23	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-30.65	PASS
Band5	3MHz	QPSK	20415	15RB#0	-34.39	PASS
Band5	3MHz	16QAM	20415	15RB#0	-34.57	PASS
Band5	3MHz	QPSK	20635	15RB#0	-36.01	PASS
Band5	3MHz	16QAM	20635	15RB#0	-36.33	PASS
Band5	5MHz	QPSK	20425	25RB#0	-34.26	PASS
Band5	5MHz	16QAM	20425	25RB#0	-35.34	PASS
Band5	5MHz	QPSK	20625	25RB#0	-35.50	PASS
Band5	5MHz	16QAM	20625	25RB#0	-36.22	PASS
Band5	10MHz	QPSK	20450	50RB#0	-35.02	PASS
Band5	10MHz	16QAM	20450	50RB#0	-36.67	PASS
Band5	10MHz	QPSK	20600	50RB#0	-37.34	PASS
Band5	10MHz	16QAM	20600	50RB#0	-37.81	PASS

Test Graphs







Appendix D: 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	-60.65	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	0.15~30	-52.66	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	30~1000	-37.34	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1000~3000	-45.47	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	3000~10000	-43.76	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.009~0.15	-59.52	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	0.15~30	-52.66	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	30~1000	-28.17	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1000~3000	-46.35	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	3000~10000	-44.03	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.009~0.15	-59.46	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	0.15~30	-51.01	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	30~1000	-58.11	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1000~3000	-44.27	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	3000~10000	-43.98	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.009~0.15	-58.26	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	0.15~30	-52.60	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	30~1000	-58.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1000~3000	-45.75	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	3000~10000	-44.31	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.009~0.15	-61.13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	0.15~30	-53.70	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	30~1000	-35.39	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1000~3000	-44.84	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	3000~10000	-44.59	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.009~0.15	-60.19	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	0.15~30	-52.29	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	30~1000	-34.12	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1000~3000	-46.07	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	3000~10000	-44.57	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.009~0.15	-60.79	PASS
Band5	3MHz	QPSK	20415	15RB#0	0.15~30	-53.09	PASS
Band5	3MHz	QPSK	20415	15RB#0	30~1000	-25.60	PASS
Band5	3MHz	QPSK	20415	15RB#0	1000~3000	-47.83	PASS
Band5	3MHz	QPSK	20415	15RB#0	3000~10000	-43.65	PASS
Band5	3MHz	16QAM	20415	15RB#0	0.009~0.15	-59.93	PASS

Band5	3MHz	16QAM	20415	15RB#0	0.15~30	-52.81	PASS
Band5	3MHz	16QAM	20415	15RB#0	30~1000	-31.85	PASS
Band5	3MHz	16QAM	20415	15RB#0	1000~3000	-47.99	PASS
Band5	3MHz	16QAM	20415	15RB#0	3000~10000	-43.93	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.009~0.15	-60.60	PASS
Band5	3MHz	QPSK	20525	15RB#0	0.15~30	-49.40	PASS
Band5	3MHz	QPSK	20525	15RB#0	30~1000	-53.84	PASS
Band5	3MHz	QPSK	20525	15RB#0	1000~3000	-47.13	PASS
Band5	3MHz	QPSK	20525	15RB#0	3000~10000	-43.95	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.009~0.15	-58.44	PASS
Band5	3MHz	16QAM	20525	15RB#0	0.15~30	-52.76	PASS
Band5	3MHz	16QAM	20525	15RB#0	30~1000	-51.53	PASS
Band5	3MHz	16QAM	20525	15RB#0	1000~3000	-47.87	PASS
Band5	3MHz	16QAM	20525	15RB#0	3000~10000	-44.04	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.009~0.15	-59.13	PASS
Band5	3MHz	QPSK	20635	15RB#0	0.15~30	-50.53	PASS
Band5	3MHz	QPSK	20635	15RB#0	30~1000	-31.22	PASS
Band5	3MHz	QPSK	20635	15RB#0	1000~3000	-47.44	PASS
Band5	3MHz	QPSK	20635	15RB#0	3000~10000	-43.95	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.009~0.15	-60.31	PASS
Band5	3MHz	16QAM	20635	15RB#0	0.15~30	-50.90	PASS
Band5	3MHz	16QAM	20635	15RB#0	30~1000	-31.56	PASS
Band5	3MHz	16QAM	20635	15RB#0	1000~3000	-47.99	PASS
Band5	3MHz	16QAM	20635	15RB#0	3000~10000	-44.32	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.009~0.15	-61.06	PASS
Band5	5MHz	QPSK	20425	25RB#0	0.15~30	-52.73	PASS
Band5	5MHz	QPSK	20425	25RB#0	30~1000	-30.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	1000~3000	-48.14	PASS
Band5	5MHz	QPSK	20425	25RB#0	3000~10000	-44.12	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.009~0.15	-60.20	PASS
Band5	5MHz	16QAM	20425	25RB#0	0.15~30	-51.67	PASS
Band5	5MHz	16QAM	20425	25RB#0	30~1000	-31.86	PASS
Band5	5MHz	16QAM	20425	25RB#0	1000~3000	-47.61	PASS
Band5	5MHz	16QAM	20425	25RB#0	3000~10000	-44.10	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.009~0.15	-60.81	PASS
Band5	5MHz	QPSK	20525	25RB#0	0.15~30	-51.16	PASS
Band5	5MHz	QPSK	20525	25RB#0	30~1000	-48.56	PASS
Band5	5MHz	QPSK	20525	25RB#0	1000~3000	-48.07	PASS
Band5	5MHz	QPSK	20525	25RB#0	3000~10000	-43.77	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.009~0.15	-60.57	PASS
Band5	5MHz	16QAM	20525	25RB#0	0.15~30	-50.82	PASS
Band5	5MHz	16QAM	20525	25RB#0	30~1000	-50.94	PASS
Band5	5MHz	16QAM	20525	25RB#0	1000~3000	-48.07	PASS

Band5	5MHz	16QAM	20525	25RB#0	3000~10000	-44.16	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.009~0.15	-60.40	PASS
Band5	5MHz	QPSK	20625	25RB#0	0.15~30	-52.46	PASS
Band5	5MHz	QPSK	20625	25RB#0	30~1000	-30.27	PASS
Band5	5MHz	QPSK	20625	25RB#0	1000~3000	-47.96	PASS
Band5	5MHz	QPSK	20625	25RB#0	3000~10000	-44.00	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.009~0.15	-61.19	PASS
Band5	5MHz	16QAM	20625	25RB#0	0.15~30	-51.80	PASS
Band5	5MHz	16QAM	20625	25RB#0	30~1000	-31.43	PASS
Band5	5MHz	16QAM	20625	25RB#0	1000~3000	-48.35	PASS
Band5	5MHz	16QAM	20625	25RB#0	3000~10000	-44.37	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.009~0.15	-59.84	PASS
Band5	10MHz	QPSK	20450	50RB#0	0.15~30	-53.42	PASS
Band5	10MHz	QPSK	20450	50RB#0	30~1000	-29.97	PASS
Band5	10MHz	QPSK	20450	50RB#0	1000~3000	-48.30	PASS
Band5	10MHz	QPSK	20450	50RB#0	3000~10000	-44.21	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.009~0.15	-61.22	PASS
Band5	10MHz	16QAM	20450	50RB#0	0.15~30	-51.90	PASS
Band5	10MHz	16QAM	20450	50RB#0	30~1000	-29.52	PASS
Band5	10MHz	16QAM	20450	50RB#0	1000~3000	-48.31	PASS
Band5	10MHz	16QAM	20450	50RB#0	3000~10000	-44.18	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.009~0.15	-60.25	PASS
Band5	10MHz	QPSK	20525	50RB#0	0.15~30	-51.82	PASS
Band5	10MHz	QPSK	20525	50RB#0	30~1000	-38.07	PASS
Band5	10MHz	QPSK	20525	50RB#0	1000~3000	-47.95	PASS
Band5	10MHz	QPSK	20525	50RB#0	3000~10000	-44.28	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.009~0.15	-61.08	PASS
Band5	10MHz	16QAM	20525	50RB#0	0.15~30	-53.22	PASS
Band5	10MHz	16QAM	20525	50RB#0	30~1000	-38.83	PASS
Band5	10MHz	16QAM	20525	50RB#0	1000~3000	-48.07	PASS
Band5	10MHz	16QAM	20525	50RB#0	3000~10000	-44.03	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.009~0.15	-59.28	PASS
Band5	10MHz	QPSK	20600	50RB#0	0.15~30	-51.48	PASS
Band5	10MHz	QPSK	20600	50RB#0	30~1000	-32.18	PASS
Band5	10MHz	QPSK	20600	50RB#0	1000~3000	-48.19	PASS
Band5	10MHz	QPSK	20600	50RB#0	3000~10000	-44.05	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.009~0.15	-59.79	PASS
Band5	10MHz	16QAM	20600	50RB#0	0.15~30	-52.99	PASS
Band5	10MHz	16QAM	20600	50RB#0	30~1000	-33.11	PASS
Band5	10MHz	16QAM	20600	50RB#0	1000~3000	-48.11	PASS
Band5	10MHz	16QAM	20600	50RB#0	3000~10000	-43.97	PASS

Test Graphs

