

FCC Appendix RF Test Data for LTE Band 5

FCC ID : 2BWWK-F63

Company : ShenZhen ArBolo Technology Co., Ltd.

EUT : GPS Tracker

Model Number : F63

Report No. : CTA26061700803

Reviewed By : Eric Wang

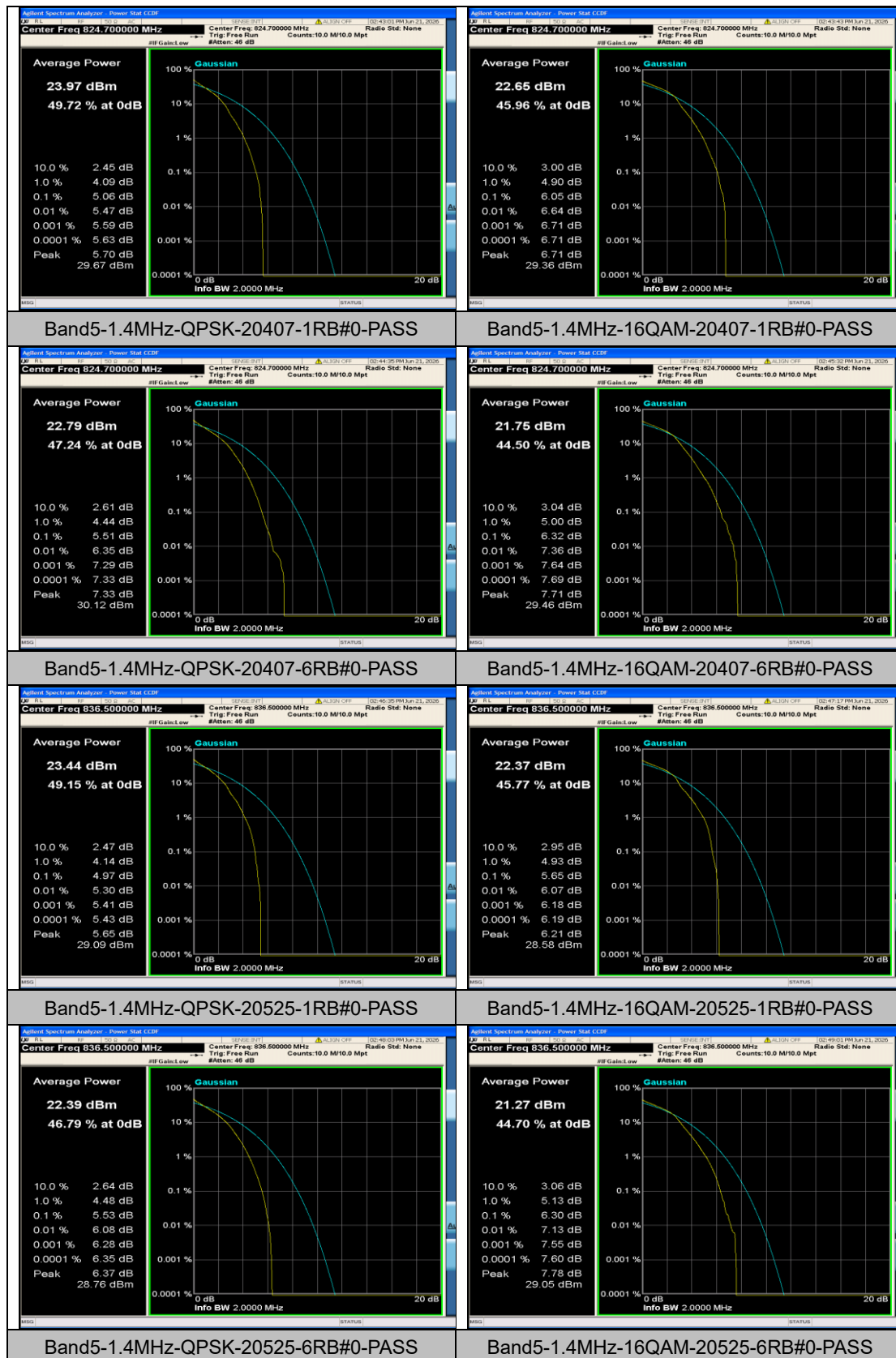
Appendix B: Peak-to-Average Ratio(CCDF)

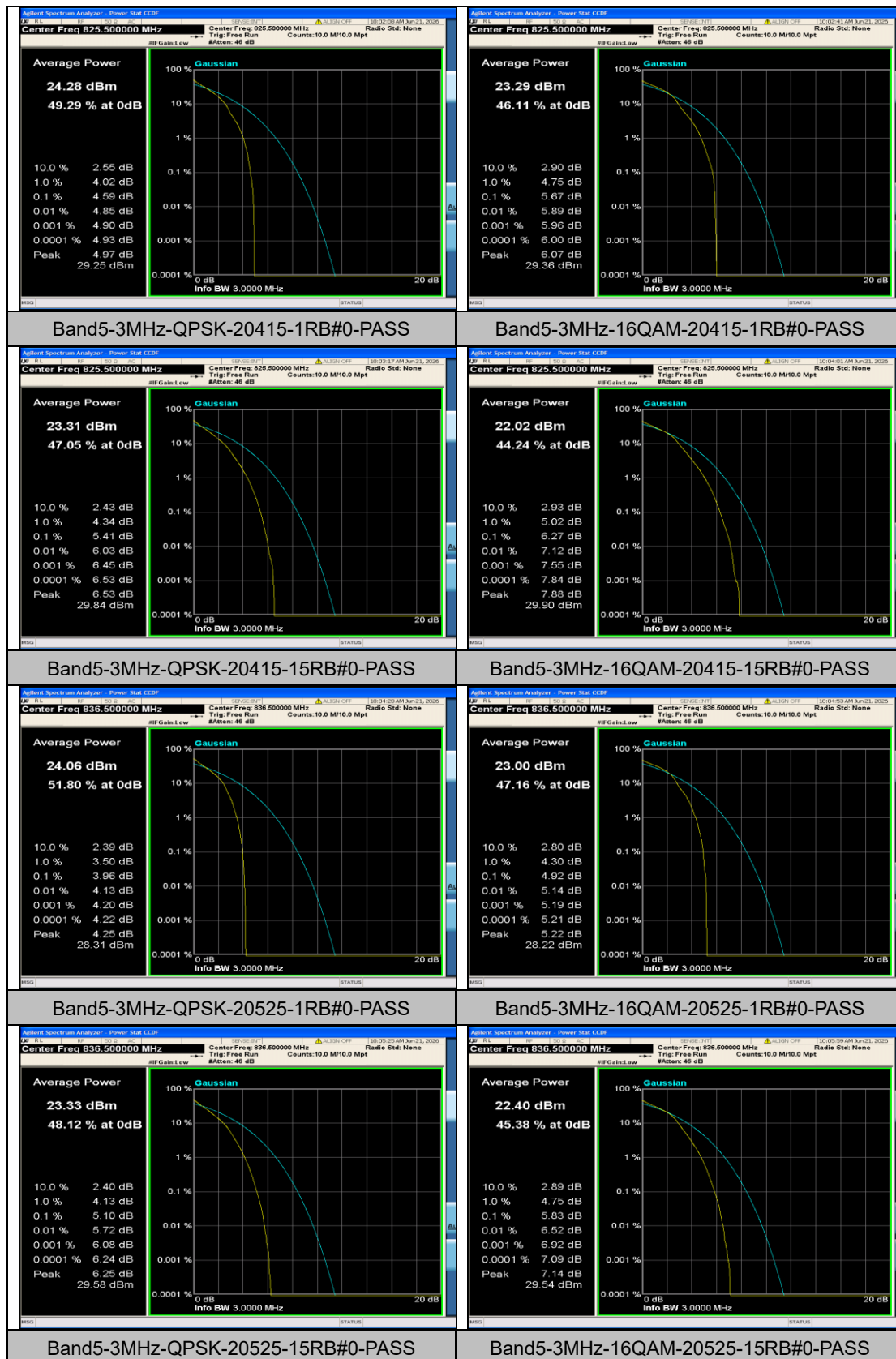
Test Result

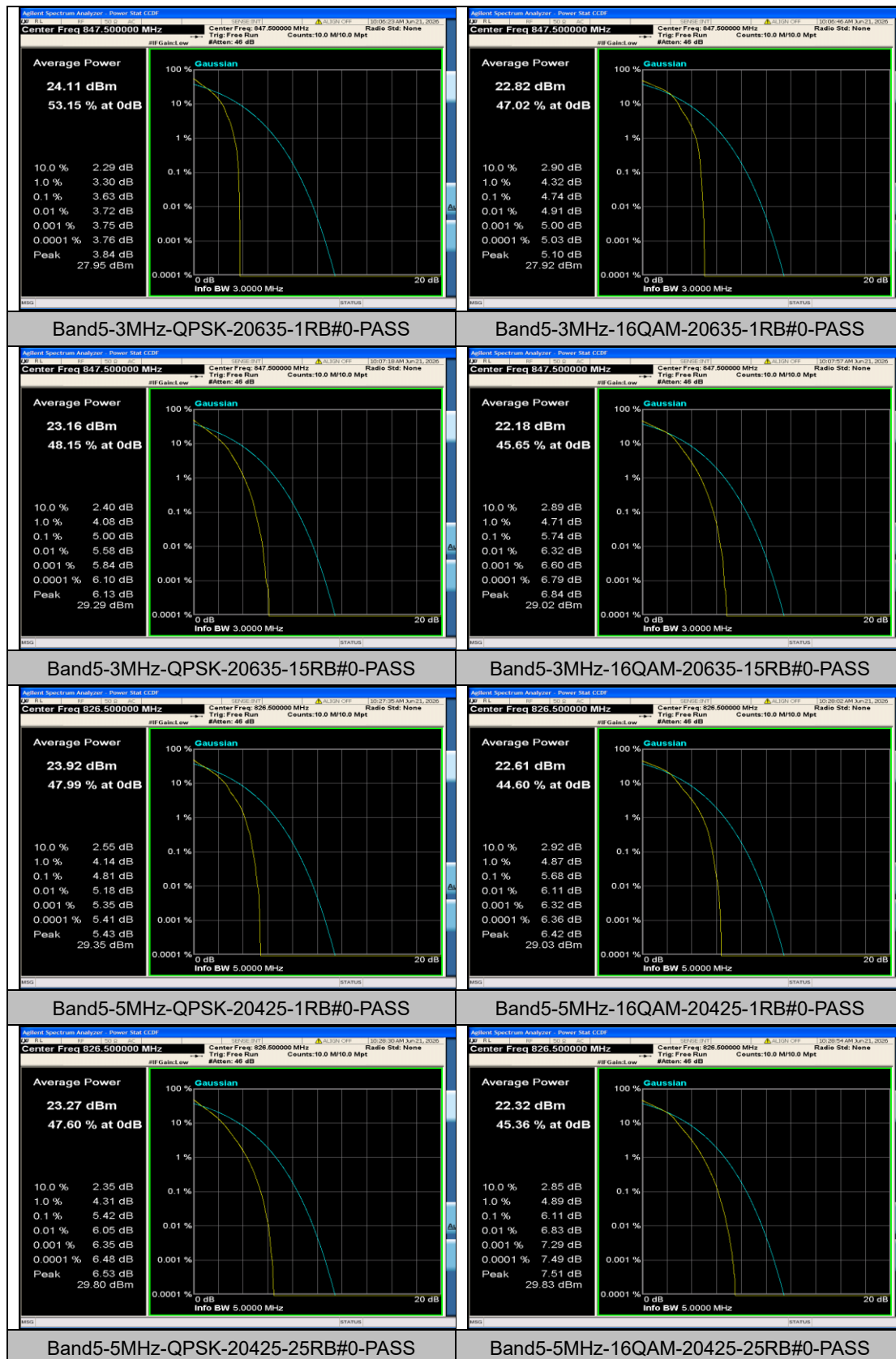
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	5.06	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	6.05	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.51	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	6.32	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.97	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.65	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.53	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.30	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.59	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.67	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.41	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	6.27	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	3.96	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	4.92	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.10	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.83	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.63	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.74	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.00	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.74	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.81	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.68	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.42	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.11	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	3.75	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	4.60	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.09	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.84	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	3.95	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.69	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.01	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.76	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.78	13	PASS
Band5	10MHz	16QAM	20450	1RB#0	5.34	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	3.99	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	4.46	13	PASS

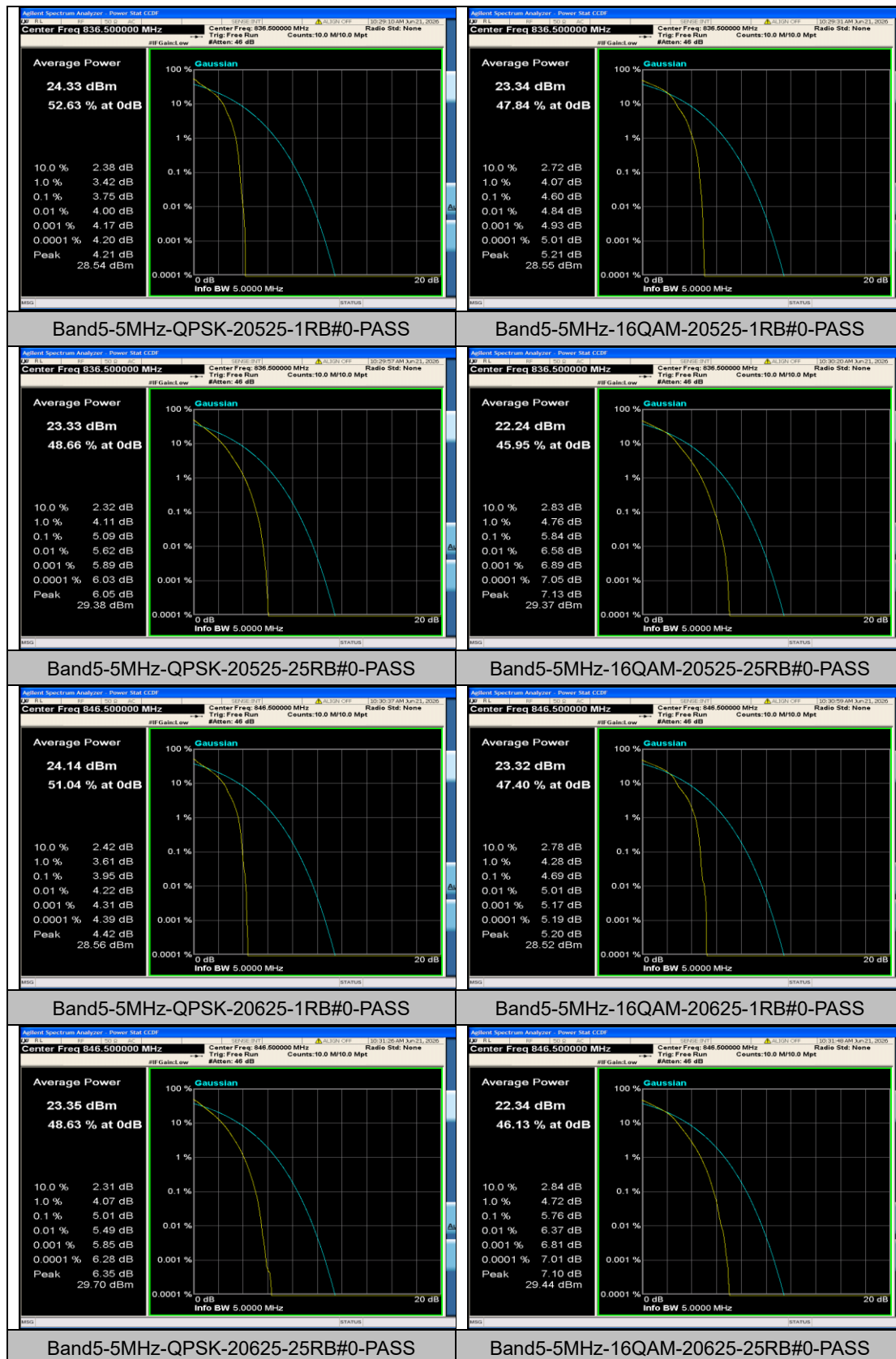
Band5	10MHz	QPSK	20600	1RB#0	3.93	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	4.85	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.26	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.17	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.26	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.86	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	5.54	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.45	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.14	13	PASS

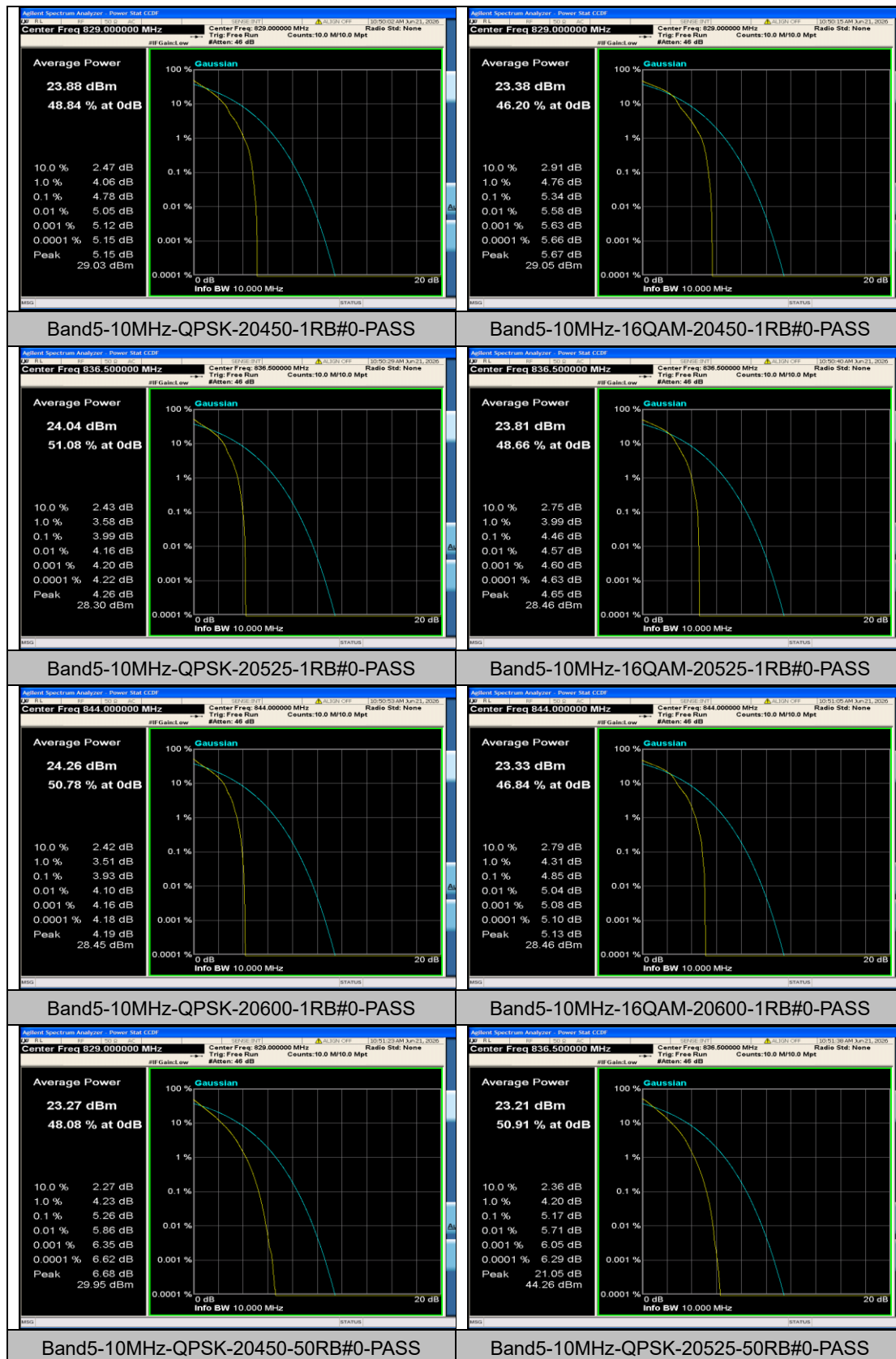
Test Graphs

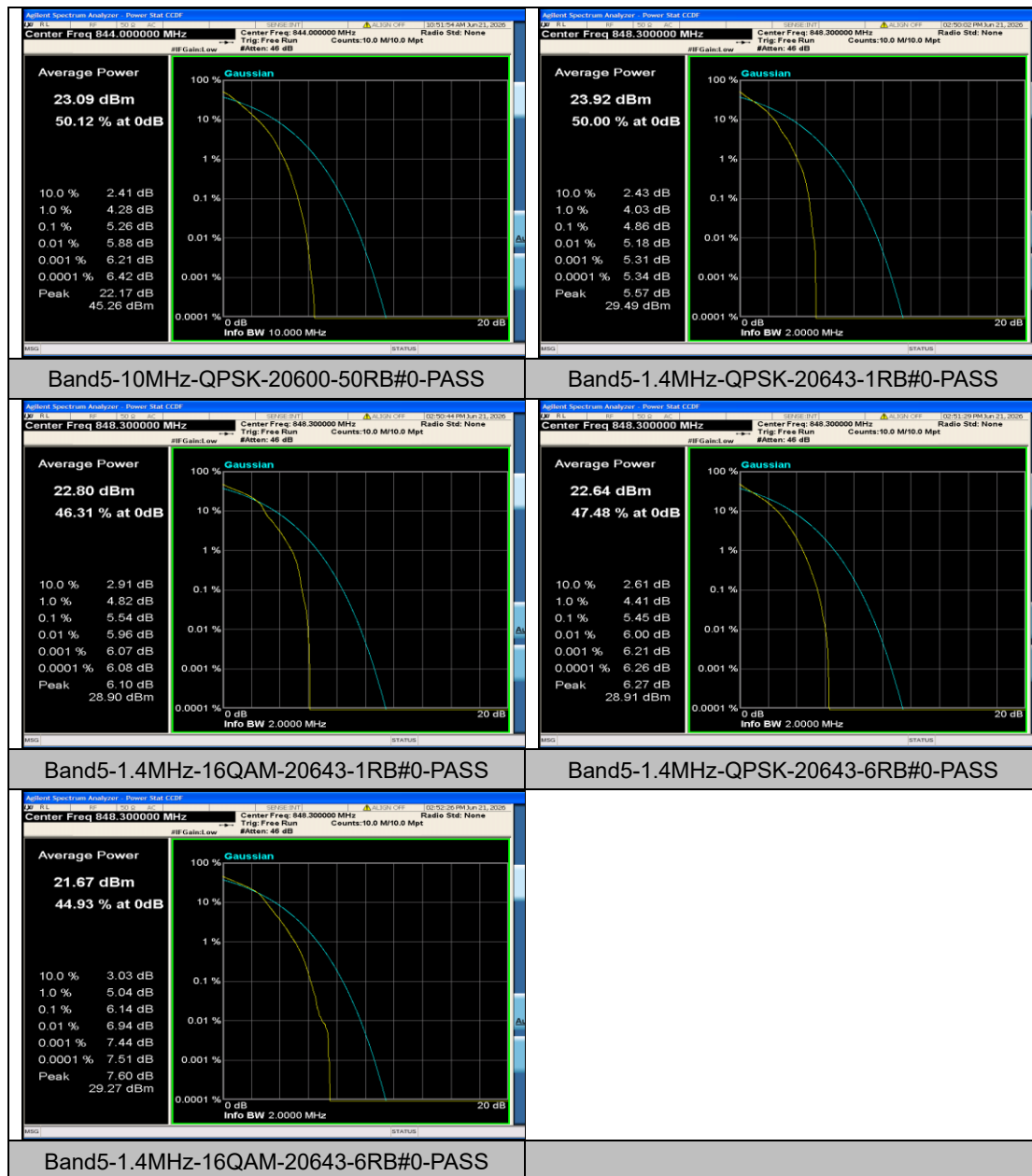










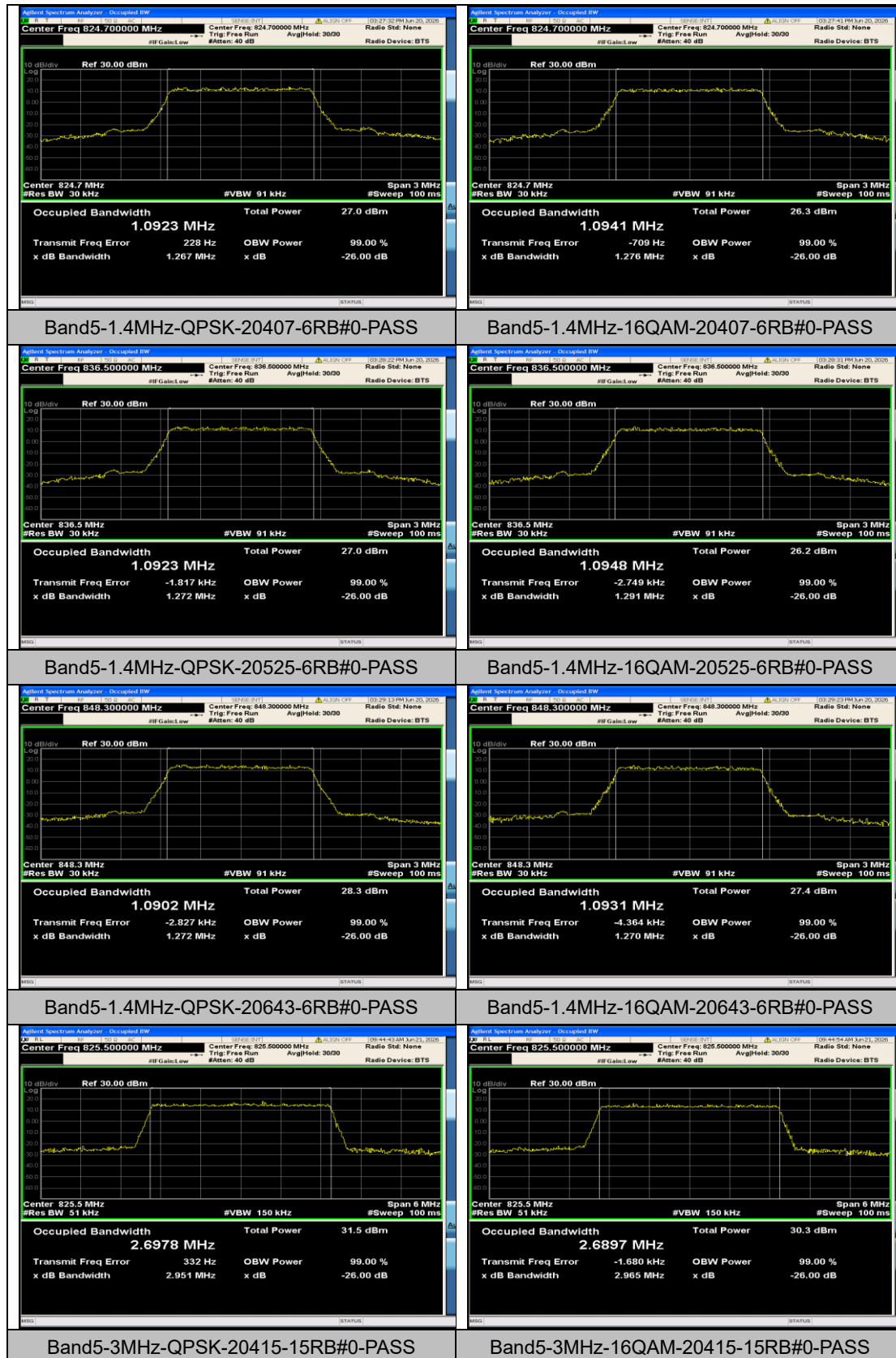


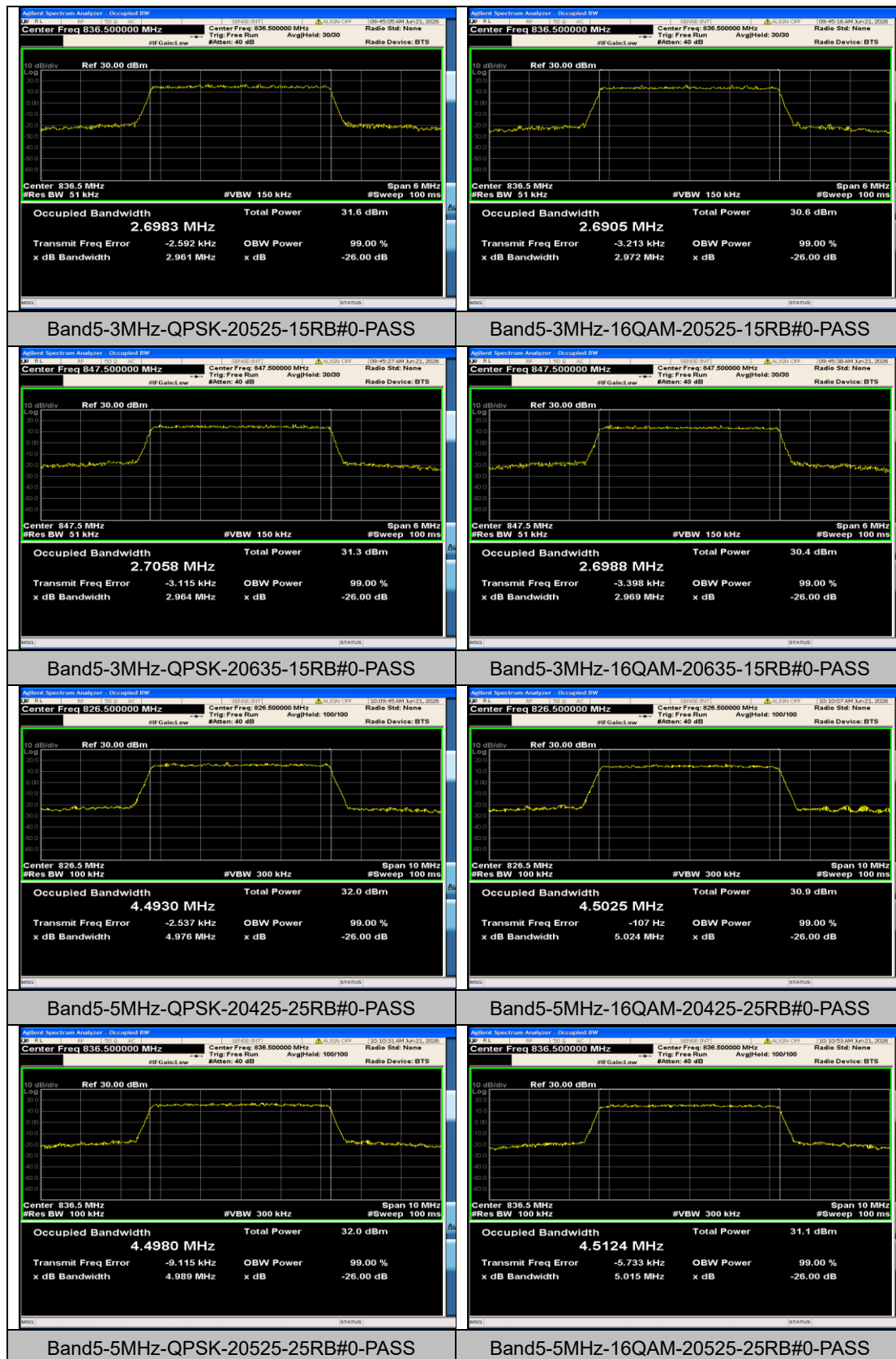
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0923	1.267	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0941	1.276	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0923	1.272	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0948	1.291	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0902	1.272	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0931	1.270	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6978	2.951	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6897	2.965	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6983	2.961	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6905	2.972	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7058	2.964	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6988	2.969	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4930	4.976	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.5025	5.024	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4980	4.989	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5124	5.015	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5023	5.013	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.4977	4.970	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9798	9.949	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9654	9.899	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9652	9.852	PASS
Band5	10MHz	16QAM	20450	27RB#0	4.9691	5.848	PASS
Band5	10MHz	16QAM	20525	27RB#0	4.9887	5.864	PASS
Band5	10MHz	16QAM	20600	27RB#0	4.9711	5.818	PASS

Test Graphs







Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	-27.31	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	-33.23	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	-42.33	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	-41.62	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	-31.40	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	-33.15	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	-41.13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	-43.81	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	-29.87	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	-32.25	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	-34.11	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	-36.18	PASS
Band5	3MHz	QPSK	20415	1RB#0	-24.46	PASS
Band5	3MHz	16QAM	20415	1RB#0	-26.48	PASS
Band5	3MHz	QPSK	20415	1RB#14	-45.83	PASS
Band5	3MHz	16QAM	20415	1RB#14	-46.81	PASS
Band5	3MHz	QPSK	20415	15RB#0	-31.29	PASS
Band5	3MHz	16QAM	20415	15RB#0	-32.69	PASS
Band5	3MHz	QPSK	20635	1RB#0	-47.43	PASS
Band5	3MHz	16QAM	20635	1RB#0	-47.52	PASS
Band5	3MHz	QPSK	20635	1RB#14	-22.60	PASS
Band5	3MHz	16QAM	20635	1RB#14	-25.66	PASS
Band5	3MHz	QPSK	20635	15RB#0	-29.73	PASS
Band5	3MHz	16QAM	20635	15RB#0	-32.18	PASS
Band5	5MHz	QPSK	20425	1RB#0	-28.93	PASS
Band5	5MHz	16QAM	20425	1RB#0	-30.15	PASS
Band5	5MHz	QPSK	20425	1RB#24	-56.70	PASS
Band5	5MHz	16QAM	20425	1RB#24	-57.32	PASS
Band5	5MHz	QPSK	20425	25RB#0	-33.08	PASS
Band5	5MHz	16QAM	20425	25RB#0	-33.80	PASS
Band5	5MHz	QPSK	20625	1RB#0	-56.89	PASS
Band5	5MHz	16QAM	20625	1RB#0	-56.90	PASS
Band5	5MHz	QPSK	20625	1RB#24	-29.19	PASS
Band5	5MHz	16QAM	20625	1RB#24	-29.94	PASS
Band5	5MHz	QPSK	20625	25RB#0	-30.73	PASS
Band5	5MHz	16QAM	20625	25RB#0	-32.89	PASS
Band5	10MHz	QPSK	20450	1RB#0	-39.88	PASS

Band5	10MHz	16QAM	20450	1RB#0	-40.98	PASS
Band5	10MHz	QPSK	20450	1RB#49	-54.90	PASS
Band5	10MHz	16QAM	20450	1RB#49	-55.17	PASS
Band5	10MHz	QPSK	20600	1RB#0	-55.03	PASS
Band5	10MHz	16QAM	20600	1RB#0	-55.21	PASS
Band5	10MHz	QPSK	20600	1RB#49	-39.76	PASS
Band5	10MHz	16QAM	20600	1RB#49	-41.09	PASS
Band5	10MHz	QPSK	20450	50RB#0	-35.07	PASS
Band5	10MHz	QPSK	20600	50RB#0	-35.01	PASS

Test Graphs

