

FCC Appendix RF Test Data for LTE Band 18

FCC ID : 2BT4L-M5-CX

Company : Infinity Mobile Limited

EUT : Portable WIFI

Model Number : M5-CX

Report No. : CTA25103000208&CTA25103000209

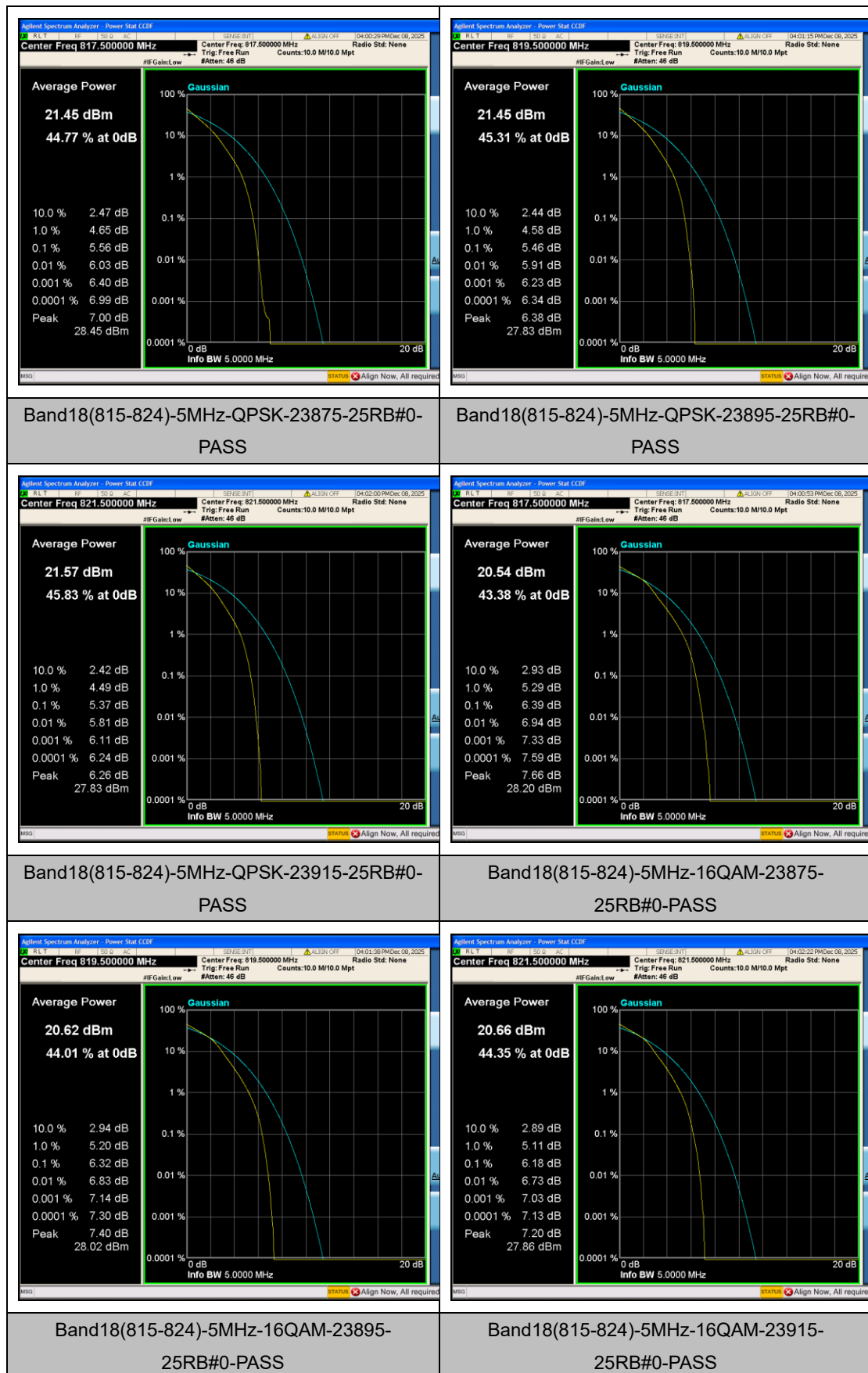
Reviewed By : Eric Wang

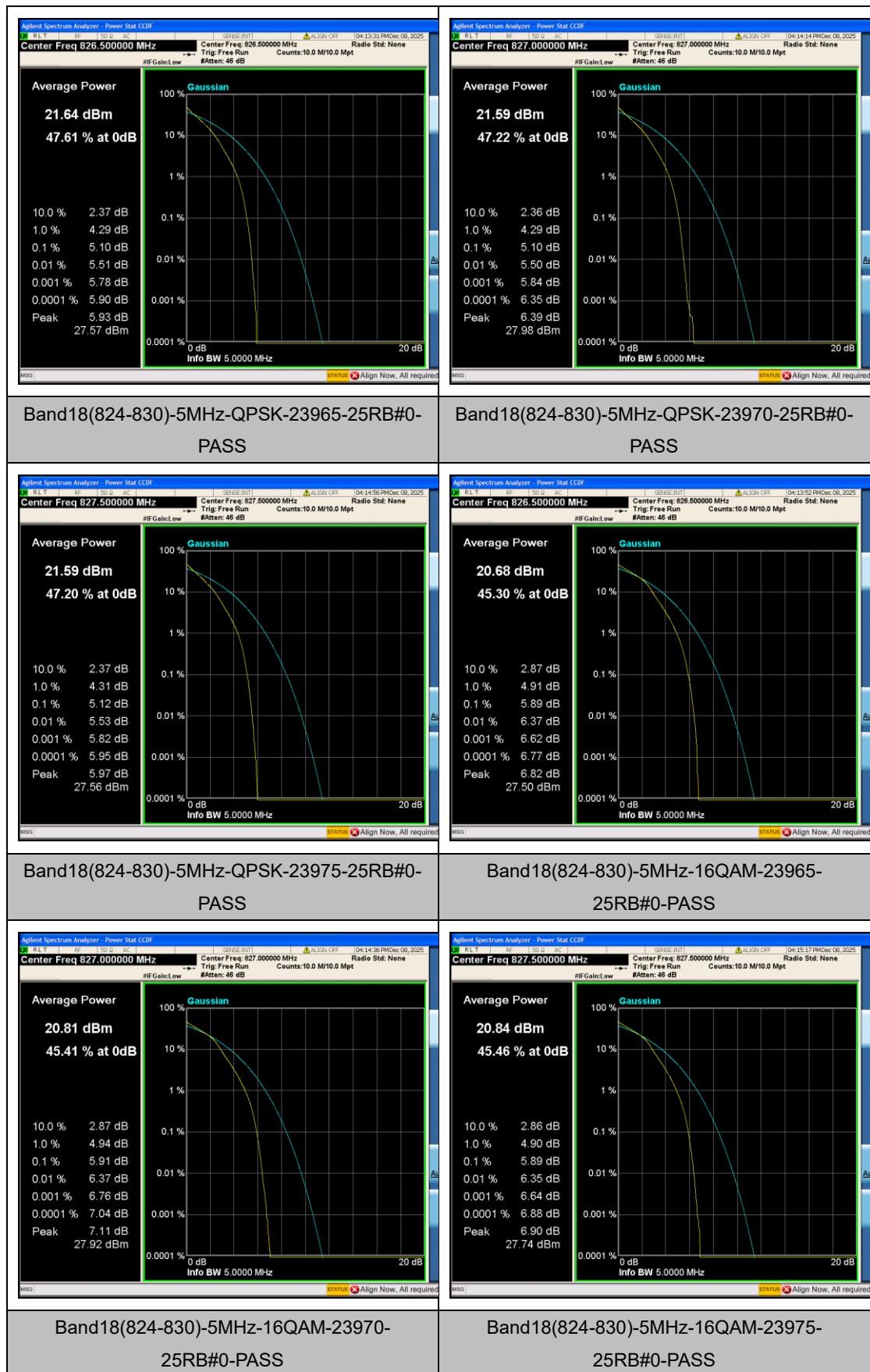
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band18(815-824)	5MHz	QPSK	23875	25RB#0	5.56	13	PASS
Band18(815-824)	5MHz	QPSK	23895	25RB#0	5.46	13	PASS
Band18(815-824)	5MHz	QPSK	23915	25RB#0	5.37	13	PASS
Band18(815-824)	5MHz	16QAM	23875	25RB#0	6.39	13	PASS
Band18(815-824)	5MHz	16QAM	23895	25RB#0	6.32	13	PASS
Band18(815-824)	5MHz	16QAM	23915	25RB#0	6.18	13	PASS
Band18(824-830)	5MHz	QPSK	23965	25RB#0	5.10	13	PASS
Band18(824-830)	5MHz	QPSK	23970	25RB#0	5.10	13	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	5.12	13	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	5.89	13	PASS
Band18(824-830)	5MHz	16QAM	23970	25RB#0	5.91	13	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	5.89	13	PASS

Test Graphs



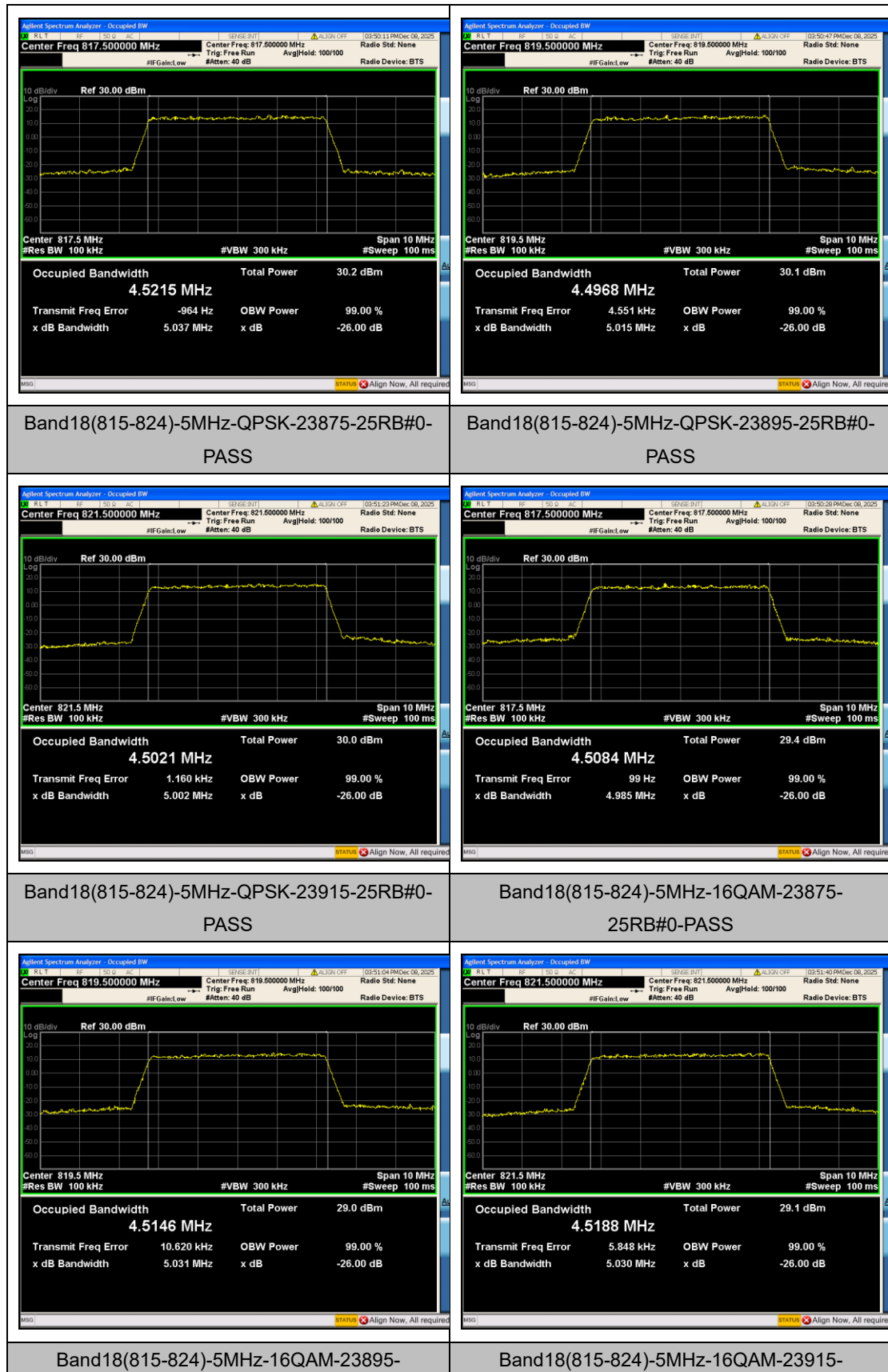


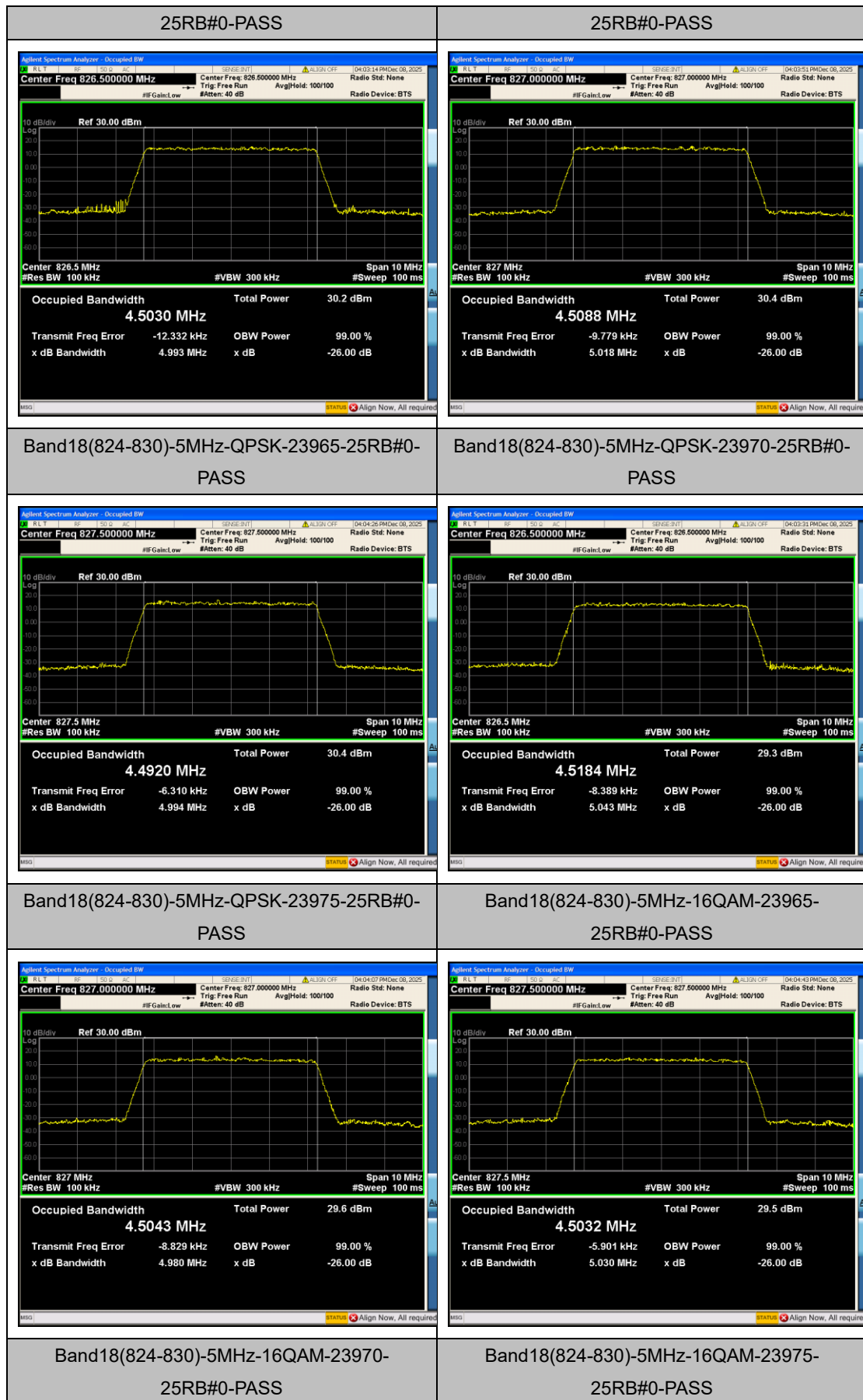
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band18(815-824)	5MHz	QPSK	23875	25RB#0	4.5215	5.037	PASS
Band18(815-824)	5MHz	QPSK	23895	25RB#0	4.4968	5.015	PASS
Band18(815-824)	5MHz	QPSK	23915	25RB#0	4.5021	5.002	PASS
Band18(815-824)	5MHz	16QAM	23875	25RB#0	4.5084	4.985	PASS
Band18(815-824)	5MHz	16QAM	23895	25RB#0	4.5146	5.031	PASS
Band18(815-824)	5MHz	16QAM	23915	25RB#0	4.5188	5.030	PASS
Band18(824-830)	5MHz	QPSK	23965	25RB#0	4.5030	4.993	PASS
Band18(824-830)	5MHz	QPSK	23970	25RB#0	4.5088	5.018	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	4.4920	4.994	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	4.5184	5.043	PASS
Band18(824-830)	5MHz	16QAM	23970	25RB#0	4.5043	4.980	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	4.5032	5.030	PASS

Test Graphs



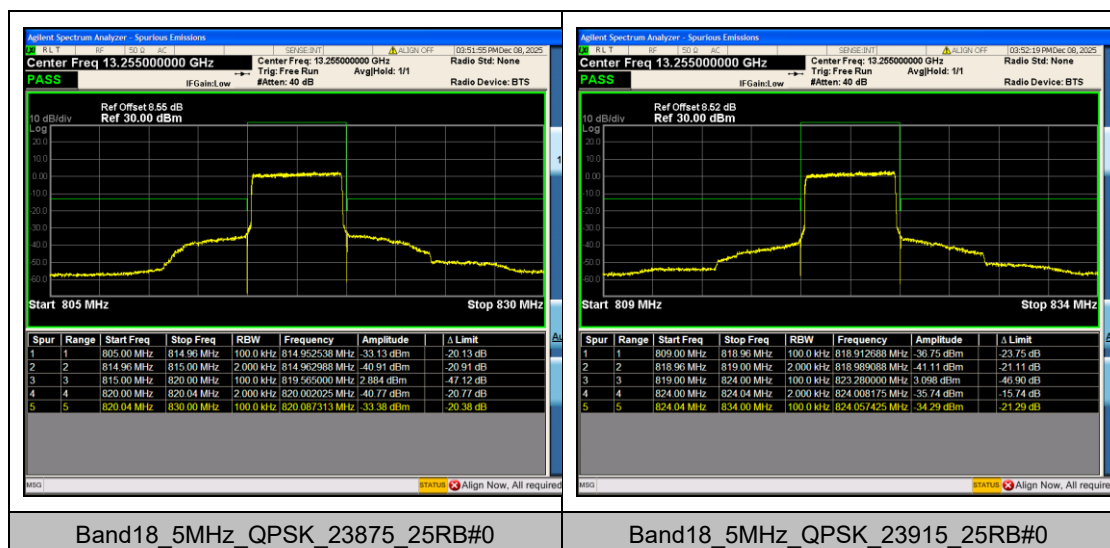


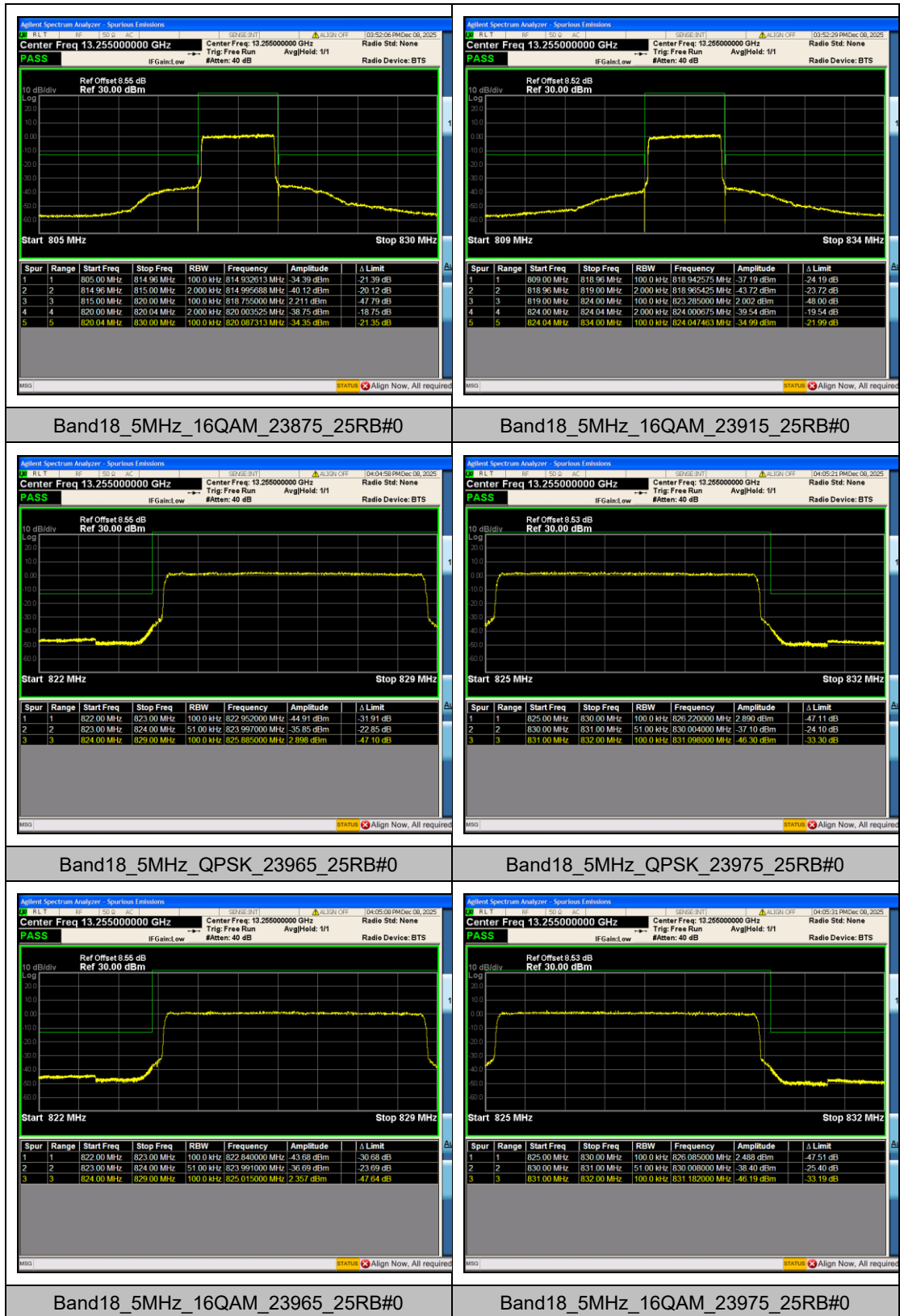
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band18(815-824)	5MHz	QPSK	23875	25RB#0	-33.13	PASS
Band18(815-824)	5MHz	QPSK	23915	25RB#0	-35.74	PASS
Band18(815-824)	5MHz	16QAM	23875	25RB#0	-38.75	PASS
Band18(815-824)	5MHz	16QAM	23915	25RB#0	-39.54	PASS
Band18(824-830)	5MHz	QPSK	23965	25RB#0	-35.85	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	-37.10	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	-36.69	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	-38.40	PASS

Test Graphs





Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band18(815-824)	5MHz	QPSK	23875	25RB#0	0.009~0.15	-41.36	PASS
Band18(815-824)	5MHz	QPSK	23875	25RB#0	0.15~30	-52.31	PASS
Band18(815-824)	5MHz	QPSK	23875	25RB#0	30~1000	-56.22	PASS
Band18(815-824)	5MHz	QPSK	23875	25RB#0	1000~3000	-46.77	PASS
Band18(815-824)	5MHz	QPSK	23875	25RB#0	3000~10000	-43.78	PASS
Band18(815-824)	5MHz	QPSK	23895	25RB#0	0.009~0.15	-39.59	PASS
Band18(815-824)	5MHz	QPSK	23895	25RB#0	0.15~30	-54.92	PASS
Band18(815-824)	5MHz	QPSK	23895	25RB#0	30~1000	-57.33	PASS
Band18(815-824)	5MHz	QPSK	23895	25RB#0	1000~3000	-46.89	PASS
Band18(815-824)	5MHz	QPSK	23895	25RB#0	3000~10000	-44.25	PASS
Band18(815-824)	5MHz	QPSK	23915	25RB#0	0.009~0.15	-40.65	PASS
Band18(815-824)	5MHz	QPSK	23915	25RB#0	0.15~30	-52.36	PASS
Band18(815-824)	5MHz	QPSK	23915	25RB#0	30~1000	-58.82	PASS
Band18(815-824)	5MHz	QPSK	23915	25RB#0	1000~3000	-46.36	PASS
Band18(815-824)	5MHz	QPSK	23915	25RB#0	3000~10000	-44.01	PASS
Band18(815-824)	5MHz	16QAM	23875	25RB#0	0.009~0.15	-38.28	PASS
Band18(815-824)	5MHz	16QAM	23875	25RB#0	0.15~30	-52.66	PASS
Band18(815-824)	5MHz	16QAM	23875	25RB#0	30~1000	-58.47	PASS

Band18(815-824)	5MHz	16QAM	23875	25RB#0	1000~3000	-42.90	PASS
Band18(815-824)	5MHz	16QAM	23875	25RB#0	3000~1000 0	-43.66	PASS
Band18(815-824)	5MHz	16QAM	23895	25RB#0	0.009~0.15	-43.86	PASS
Band18(815-824)	5MHz	16QAM	23895	25RB#0	0.15~30	-53.70	PASS
Band18(815-824)	5MHz	16QAM	23895	25RB#0	30~1000	-58.83	PASS
Band18(815-824)	5MHz	16QAM	23895	25RB#0	1000~3000	-46.94	PASS
Band18(815-824)	5MHz	16QAM	23895	25RB#0	3000~1000 0	-43.87	PASS
Band18(815-824)	5MHz	16QAM	23915	25RB#0	0.009~0.15	-41.35	PASS
Band18(815-824)	5MHz	16QAM	23915	25RB#0	0.15~30	-54.10	PASS
Band18(815-824)	5MHz	16QAM	23915	25RB#0	30~1000	-59.76	PASS
Band18(815-824)	5MHz	16QAM	23915	25RB#0	1000~3000	-47.04	PASS
Band18(815-824)	5MHz	16QAM	23915	25RB#0	3000~1000 0	-44.10	PASS
Band18(824-830)	5MHz	QPSK	23965	25RB#0	0.009~0.15	-42.46	PASS
Band18(824-830)	5MHz	QPSK	23965	25RB#0	0.15~30	-53.79	PASS
Band18(824-830)	5MHz	QPSK	23965	25RB#0	30~1000	-59.88	PASS
Band18(824-830)	5MHz	QPSK	23965	25RB#0	1000~3000	-46.48	PASS
Band18(824-830)	5MHz	QPSK	23965	25RB#0	3000~1000 0	-44.22	PASS
Band18(824-830)	5MHz	QPSK	23970	25RB#0	0.009~0.15	-44.10	PASS
Band18(824-830)	5MHz	QPSK	23970	25RB#0	0.15~30	-54.90	PASS
Band18(824-830)	5MHz	QPSK	23970	25RB#0	30~1000	-60.19	PASS
Band18(824-830)	5MHz	QPSK	23970	25RB#0	1000~3000	-46.98	PASS
Band18(824-830)	5MHz	QPSK	23970	25RB#0	3000~1000 0	-43.75	PASS

Band18(824-830)	5MHz	QPSK	23975	25RB#0	0.009~0.15	-40.58	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	0.15~30	-52.87	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	30~1000	-60.02	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	1000~3000	-46.74	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	3000~1000 0	-44.15	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	0.009~0.15	-39.88	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	0.15~30	-51.27	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	30~1000	-60.95	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	1000~3000	-47.04	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	3000~1000 0	-44.15	PASS
Band18(824-830)	5MHz	16QAM	23970	25RB#0	0.009~0.15	-39.51	PASS
Band18(824-830)	5MHz	16QAM	23970	25RB#0	0.15~30	-55.03	PASS
Band18(824-830)	5MHz	16QAM	23970	25RB#0	30~1000	-59.26	PASS
Band18(824-830)	5MHz	16QAM	23970	25RB#0	1000~3000	-47.16	PASS
Band18(824-830)	5MHz	16QAM	23970	25RB#0	3000~1000 0	-43.97	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	0.009~0.15	-42.14	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	0.15~30	-52.89	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	30~1000	-60.15	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	1000~3000	-46.81	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	3000~1000 0	-43.99	PASS

Test Graphs

