

FCC Appendix RF Test Data for LTE Band 13

FCC ID : 2BVG4MP02

Company : BEIJING MERA TECHNOLOGY Co., Ltd

EUT : OxiLeash Pet GPS Tracker

Model Number : MP02

Report No. : CTA26062500305

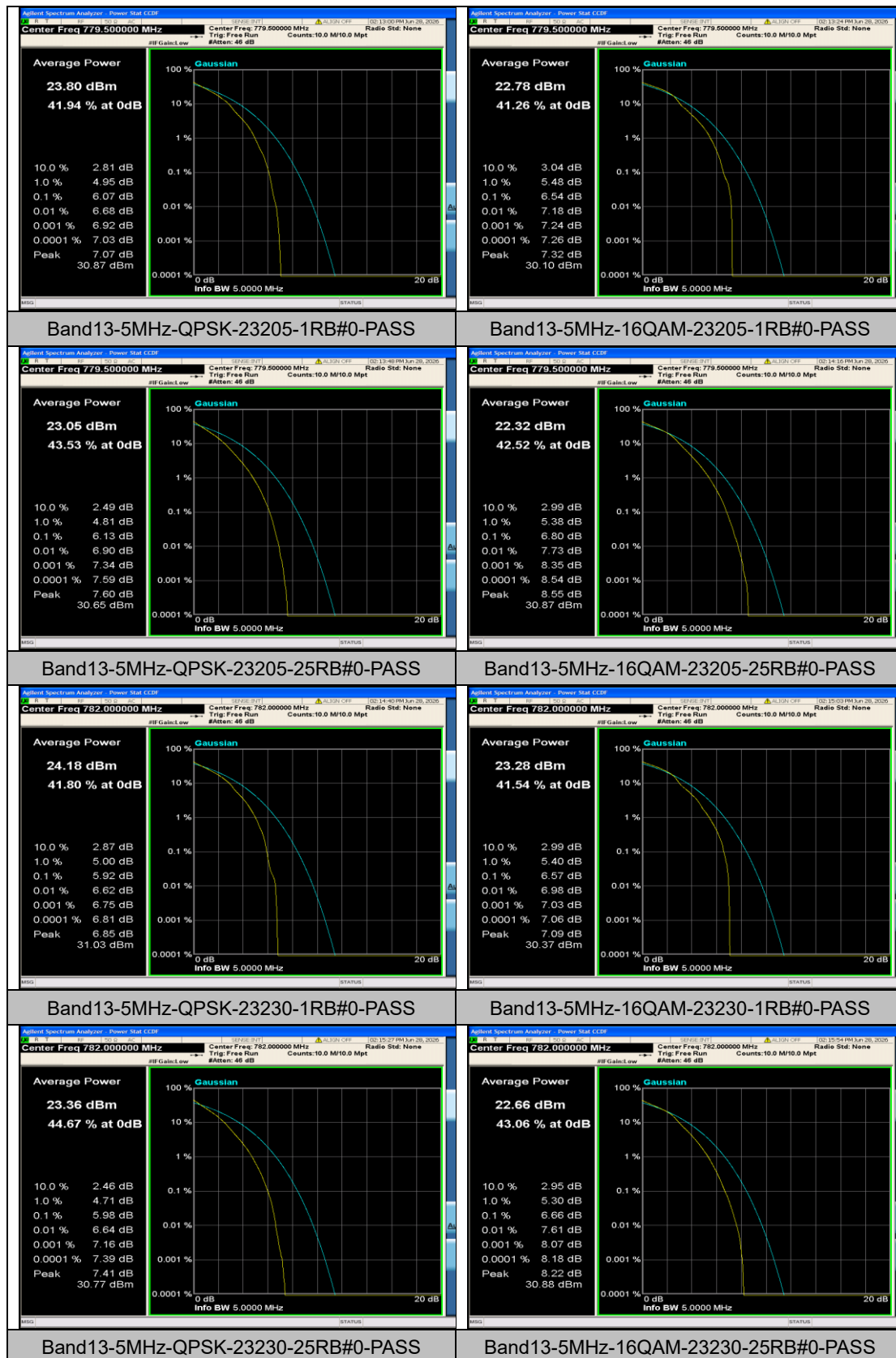
Reviewed By : Eric Wang

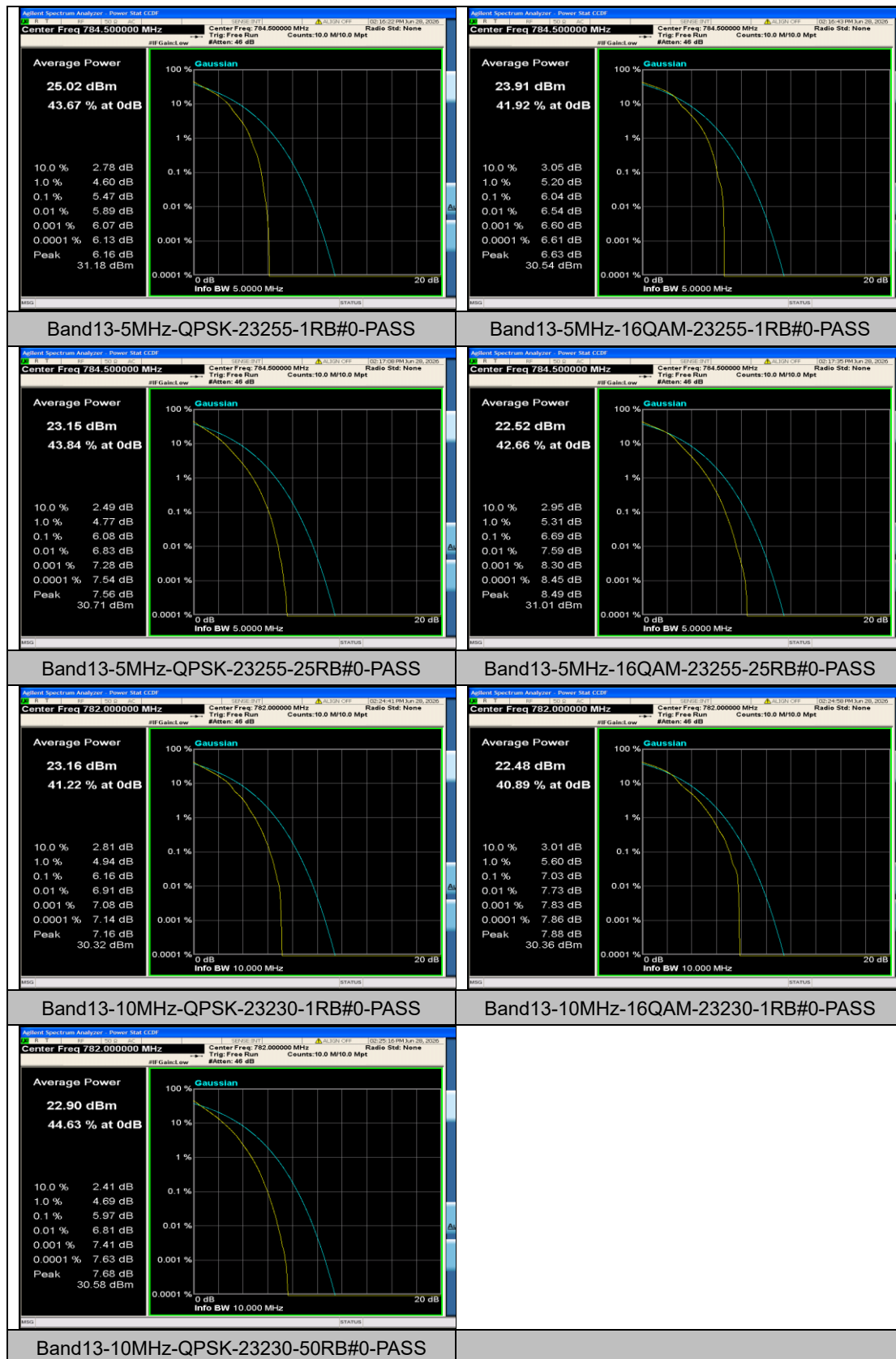
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	6.07	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	6.54	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	6.13	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	6.80	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	5.92	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	6.57	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.98	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.66	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	5.47	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	6.04	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	6.08	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.69	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	6.16	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	7.03	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.97	13	PASS

Test Graphs



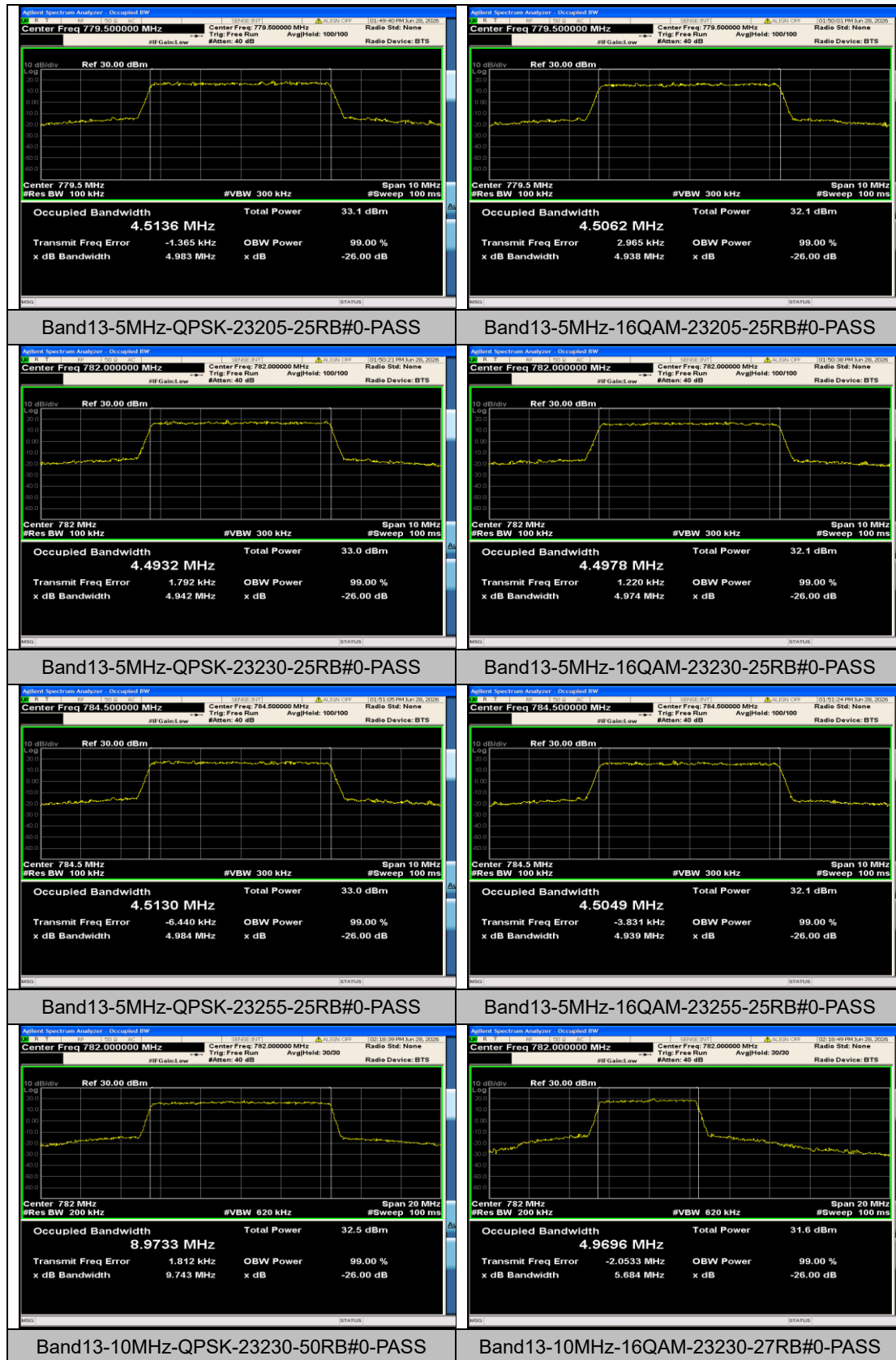


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5136	4.983	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5062	4.938	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4932	4.942	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4978	4.974	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.5130	4.984	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.5049	4.939	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9733	9.743	PASS
Band13	10MHz	16QAM	23230	27RB#0	4.9696	5.684	PASS

Test Graphs

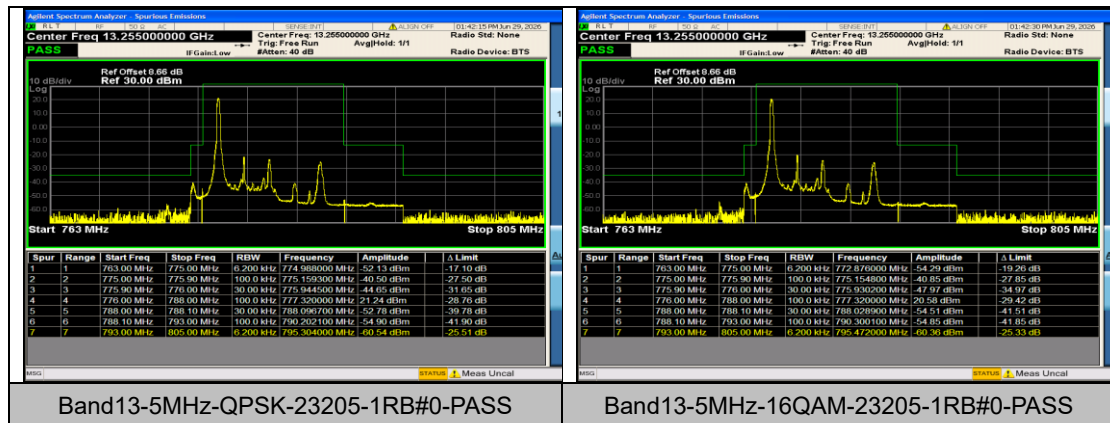


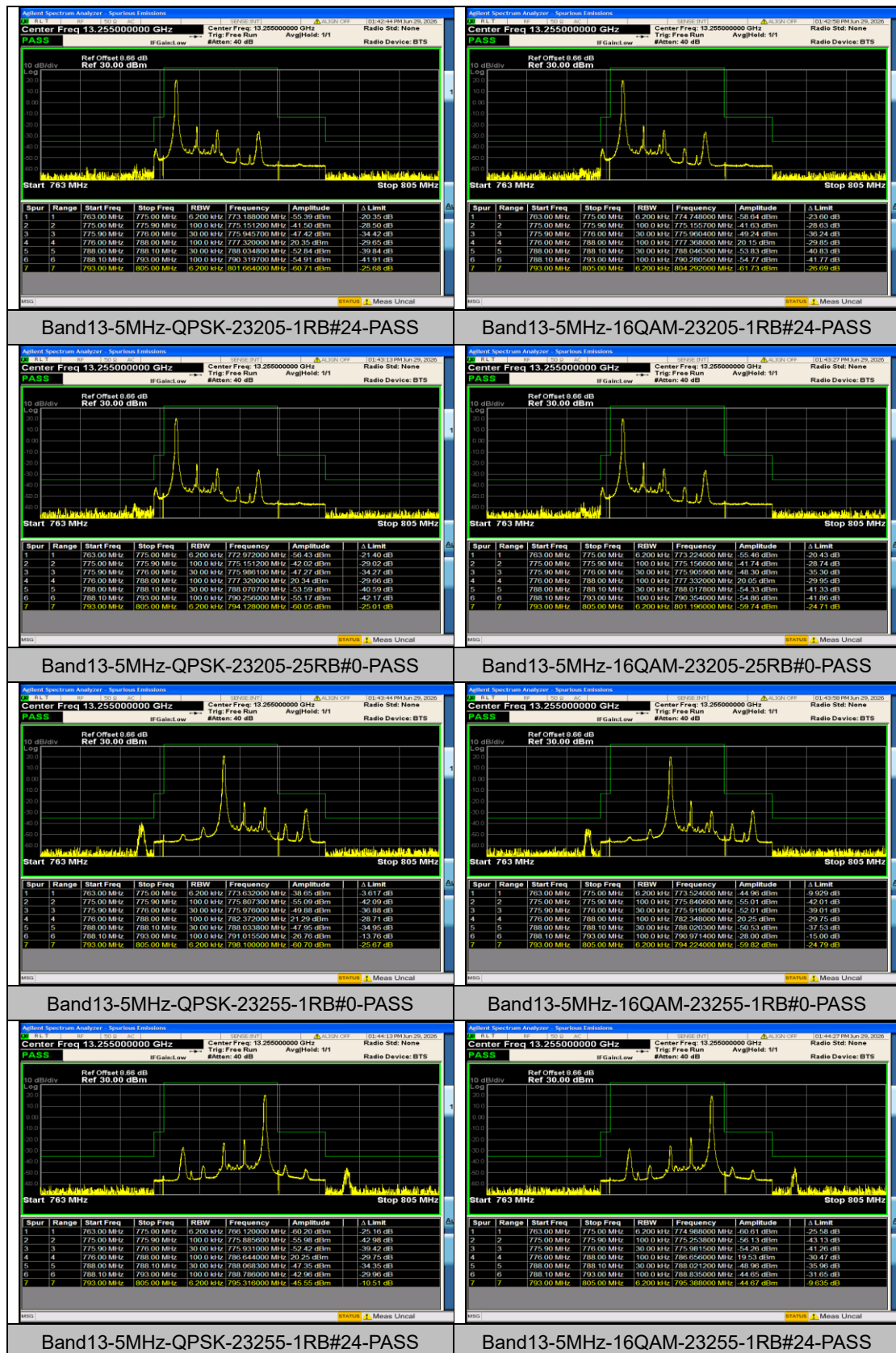
Appendix D: Band Edge

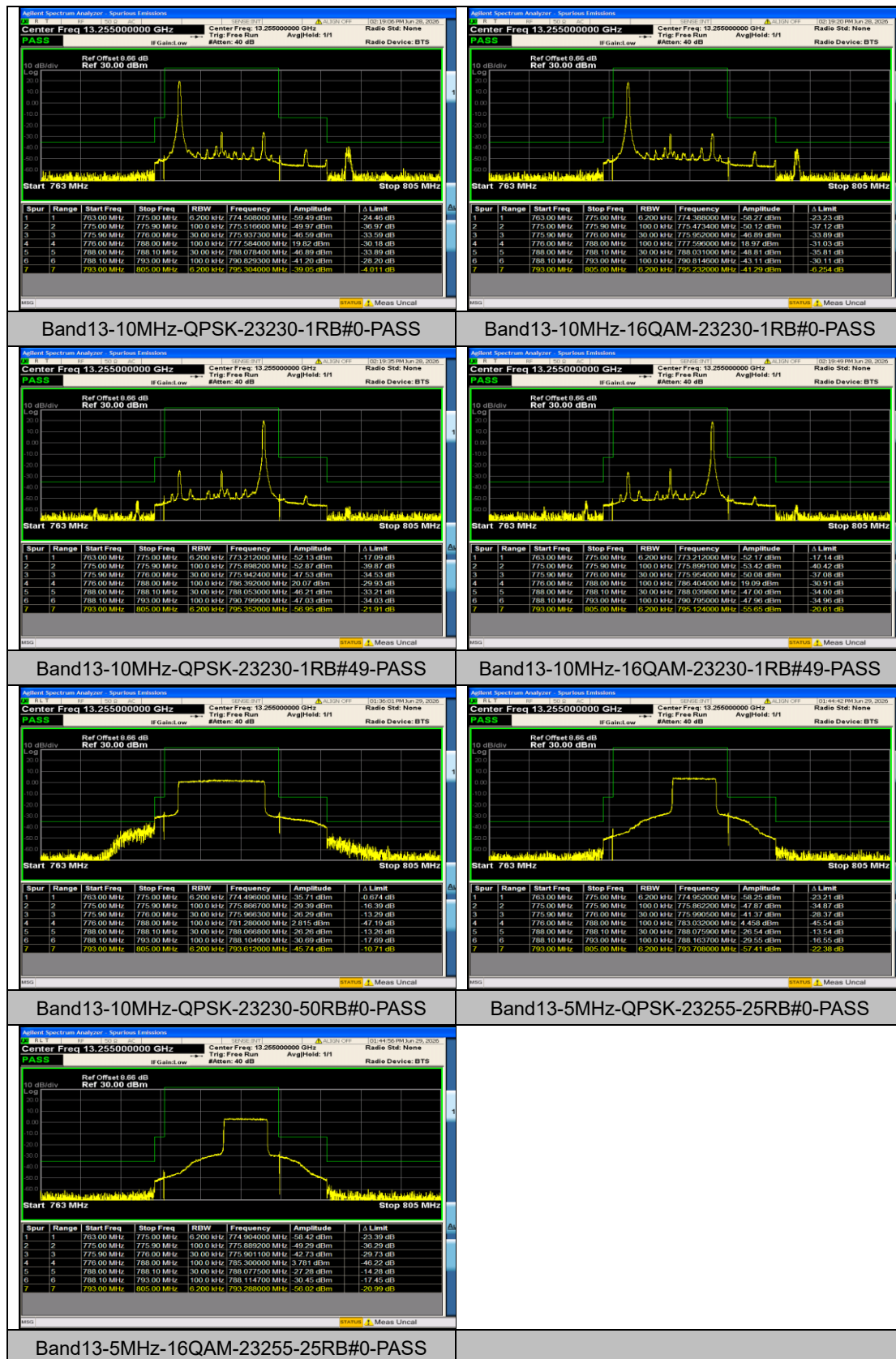
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-52.13	PASS
Band13	5MHz	16QAM	23205	1RB#0	-54.29	PASS
Band13	5MHz	QPSK	23205	1RB#24	-55.39	PASS
Band13	5MHz	16QAM	23205	1RB#24	-58.64	PASS
Band13	5MHz	QPSK	23205	25RB#0	-56.43	PASS
Band13	5MHz	16QAM	23205	25RB#0	-55.46	PASS
Band13	5MHz	QPSK	23255	1RB#0	-38.65	PASS
Band13	5MHz	16QAM	23255	1RB#0	-44.96	PASS
Band13	5MHz	QPSK	23255	1RB#24	-45.55	PASS
Band13	5MHz	16QAM	23255	1RB#24	-44.67	PASS
Band13	10MHz	QPSK	23230	1RB#0	-39.05	PASS
Band13	10MHz	16QAM	23230	1RB#0	-41.29	PASS
Band13	10MHz	QPSK	23230	1RB#49	-52.13	PASS
Band13	10MHz	16QAM	23230	1RB#49	-52.17	PASS
Band13	10MHz	QPSK	23230	50RB#0	-35.71	PASS
Band13	5MHz	QPSK	23255	25RB#0	-26.54	PASS
Band13	5MHz	16QAM	23255	25RB#0	-27.28	PASS

Test Graphs







Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	0.009~0.15	-58.42	PASS
Band13	5MHz	QPSK	23205	1RB#0	0.15~30	-53.73	PASS
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-57.90	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~3000	-44.38	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	-43.35	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.009~0.15	-58.50	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.15~30	-50.72	PASS
Band13	5MHz	16QAM	23205	1RB#0	30~1000	-58.16	PASS
Band13	5MHz	16QAM	23205	1RB#0	1000~3000	-45.97	PASS
Band13	5MHz	16QAM	23205	1RB#0	3000~10000	-43.64	PASS
Band13	5MHz	QPSK	23205	1RB#24	0.009~0.15	-59.36	PASS
Band13	5MHz	QPSK	23205	1RB#24	0.15~30	-51.50	PASS
Band13	5MHz	QPSK	23205	1RB#24	30~1000	-58.08	PASS
Band13	5MHz	QPSK	23205	1RB#24	1000~3000	-42.51	PASS
Band13	5MHz	QPSK	23205	1RB#24	3000~10000	-43.07	PASS
Band13	5MHz	16QAM	23205	1RB#24	0.009~0.15	-58.95	PASS
Band13	5MHz	16QAM	23205	1RB#24	0.15~30	-50.97	PASS
Band13	5MHz	16QAM	23205	1RB#24	30~1000	-58.07	PASS
Band13	5MHz	16QAM	23205	1RB#24	1000~3000	-44.54	PASS
Band13	5MHz	16QAM	23205	1RB#24	3000~10000	-43.71	PASS
Band13	5MHz	QPSK	23205	25RB#0	0.009~0.15	-59.19	PASS
Band13	5MHz	QPSK	23205	25RB#0	0.15~30	-51.38	PASS
Band13	5MHz	QPSK	23205	25RB#0	30~1000	-58.03	PASS
Band13	5MHz	QPSK	23205	25RB#0	1000~3000	-47.99	PASS
Band13	5MHz	QPSK	23205	25RB#0	3000~10000	-44.12	PASS
Band13	5MHz	16QAM	23205	25RB#0	0.009~0.15	-59.21	PASS
Band13	5MHz	16QAM	23205	25RB#0	0.15~30	-53.45	PASS
Band13	5MHz	16QAM	23205	25RB#0	30~1000	-58.16	PASS
Band13	5MHz	16QAM	23205	25RB#0	1000~3000	-47.96	PASS
Band13	5MHz	16QAM	23205	25RB#0	3000~10000	-44.24	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.009~0.15	-57.96	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.15~30	-51.05	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-58.25	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~3000	-44.73	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	-44.10	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.009~0.15	-60.22	PASS

Band13	5MHz	16QAM	23230	1RB#0	0.15~30	-51.36	PASS
Band13	5MHz	16QAM	23230	1RB#0	30~1000	-58.16	PASS
Band13	5MHz	16QAM	23230	1RB#0	1000~3000	-44.92	PASS
Band13	5MHz	16QAM	23230	1RB#0	3000~10000	-44.08	PASS
Band13	5MHz	QPSK	23230	1RB#24	0.009~0.15	-58.92	PASS
Band13	5MHz	QPSK	23230	1RB#24	0.15~30	-51.70	PASS
Band13	5MHz	QPSK	23230	1RB#24	30~1000	-58.53	PASS
Band13	5MHz	QPSK	23230	1RB#24	1000~3000	-43.69	PASS
Band13	5MHz	QPSK	23230	1RB#24	3000~10000	-44.19	PASS
Band13	5MHz	16QAM	23230	1RB#24	0.009~0.15	-59.37	PASS
Band13	5MHz	16QAM	23230	1RB#24	0.15~30	-51.26	PASS
Band13	5MHz	16QAM	23230	1RB#24	30~1000	-57.48	PASS
Band13	5MHz	16QAM	23230	1RB#24	1000~3000	-44.21	PASS
Band13	5MHz	16QAM	23230	1RB#24	3000~10000	-44.11	PASS
Band13	5MHz	QPSK	23230	25RB#0	0.009~0.15	-59.18	PASS
Band13	5MHz	QPSK	23230	25RB#0	0.15~30	-53.53	PASS
Band13	5MHz	QPSK	23230	25RB#0	30~1000	-58.16	PASS
Band13	5MHz	QPSK	23230	25RB#0	1000~3000	-48.11	PASS
Band13	5MHz	QPSK	23230	25RB#0	3000~10000	-43.72	PASS
Band13	5MHz	16QAM	23230	25RB#0	0.009~0.15	-59.96	PASS
Band13	5MHz	16QAM	23230	25RB#0	0.15~30	-54.05	PASS
Band13	5MHz	16QAM	23230	25RB#0	30~1000	-58.05	PASS
Band13	5MHz	16QAM	23230	25RB#0	1000~3000	-48.13	PASS
Band13	5MHz	16QAM	23230	25RB#0	3000~10000	-43.90	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.009~0.15	-59.25	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.15~30	-52.40	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-57.89	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~3000	-42.52	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	-44.04	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.009~0.15	-59.06	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.15~30	-51.73	PASS
Band13	5MHz	16QAM	23255	1RB#0	30~1000	-58.09	PASS
Band13	5MHz	16QAM	23255	1RB#0	1000~3000	-42.71	PASS
Band13	5MHz	16QAM	23255	1RB#0	3000~10000	-44.11	PASS
Band13	5MHz	QPSK	23255	1RB#24	0.009~0.15	-58.19	PASS
Band13	5MHz	QPSK	23255	1RB#24	0.15~30	-52.54	PASS
Band13	5MHz	QPSK	23255	1RB#24	30~1000	-58.40	PASS
Band13	5MHz	QPSK	23255	1RB#24	1000~3000	-45.90	PASS
Band13	5MHz	QPSK	23255	1RB#24	3000~10000	-44.25	PASS
Band13	5MHz	16QAM	23255	1RB#24	0.009~0.15	-57.76	PASS
Band13	5MHz	16QAM	23255	1RB#24	0.15~30	-53.16	PASS
Band13	5MHz	16QAM	23255	1RB#24	30~1000	-58.12	PASS
Band13	5MHz	16QAM	23255	1RB#24	1000~3000	-45.79	PASS

Band13	5MHz	16QAM	23255	1RB#24	3000~10000	-43.48	PASS
Band13	5MHz	QPSK	23255	25RB#0	0.009~0.15	-59.18	PASS
Band13	5MHz	QPSK	23255	25RB#0	0.15~30	-51.17	PASS
Band13	5MHz	QPSK	23255	25RB#0	30~1000	-58.21	PASS
Band13	5MHz	QPSK	23255	25RB#0	1000~3000	-47.99	PASS
Band13	5MHz	QPSK	23255	25RB#0	3000~10000	-44.11	PASS
Band13	5MHz	16QAM	23255	25RB#0	0.009~0.15	-60.55	PASS
Band13	5MHz	16QAM	23255	25RB#0	0.15~30	-52.38	PASS
Band13	5MHz	16QAM	23255	25RB#0	30~1000	-58.38	PASS
Band13	5MHz	16QAM	23255	25RB#0	1000~3000	-48.05	PASS
Band13	5MHz	16QAM	23255	25RB#0	3000~10000	-44.00	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.009~0.15	-58.94	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.15~30	-51.89	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-58.19	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~3000	-45.79	PASS
Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-43.46	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.009~0.15	-60.68	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.15~30	-51.26	PASS
Band13	10MHz	16QAM	23230	1RB#0	30~1000	-58.26	PASS
Band13	10MHz	16QAM	23230	1RB#0	1000~3000	-46.57	PASS
Band13	10MHz	16QAM	23230	1RB#0	3000~10000	-43.81	PASS
Band13	10MHz	QPSK	23230	1RB#49	0.009~0.15	-58.38	PASS
Band13	10MHz	QPSK	23230	1RB#49	0.15~30	-49.47	PASS
Band13	10MHz	QPSK	23230	1RB#49	30~1000	-56.95	PASS
Band13	10MHz	QPSK	23230	1RB#49	1000~3000	-45.93	PASS
Band13	10MHz	QPSK	23230	1RB#49	3000~10000	-43.98	PASS
Band13	10MHz	16QAM	23230	1RB#49	0.009~0.15	-60.10	PASS
Band13	10MHz	16QAM	23230	1RB#49	0.15~30	-52.33	PASS
Band13	10MHz	16QAM	23230	1RB#49	30~1000	-56.98	PASS
Band13	10MHz	16QAM	23230	1RB#49	1000~3000	-46.10	PASS
Band13	10MHz	16QAM	23230	1RB#49	3000~10000	-43.20	PASS
Band13	10MHz	QPSK	23230	50RB#0	0.009~0.15	-60.18	PASS
Band13	10MHz	QPSK	23230	50RB#0	0.15~30	-51.72	PASS
Band13	10MHz	QPSK	23230	50RB#0	30~1000	-56.55	PASS
Band13	10MHz	QPSK	23230	50RB#0	1000~3000	-47.93	PASS
Band13	10MHz	QPSK	23230	50RB#0	3000~10000	-44.24	PASS

Test Graphs

