

FCC Appendix RF Test Data for LTE Band 13

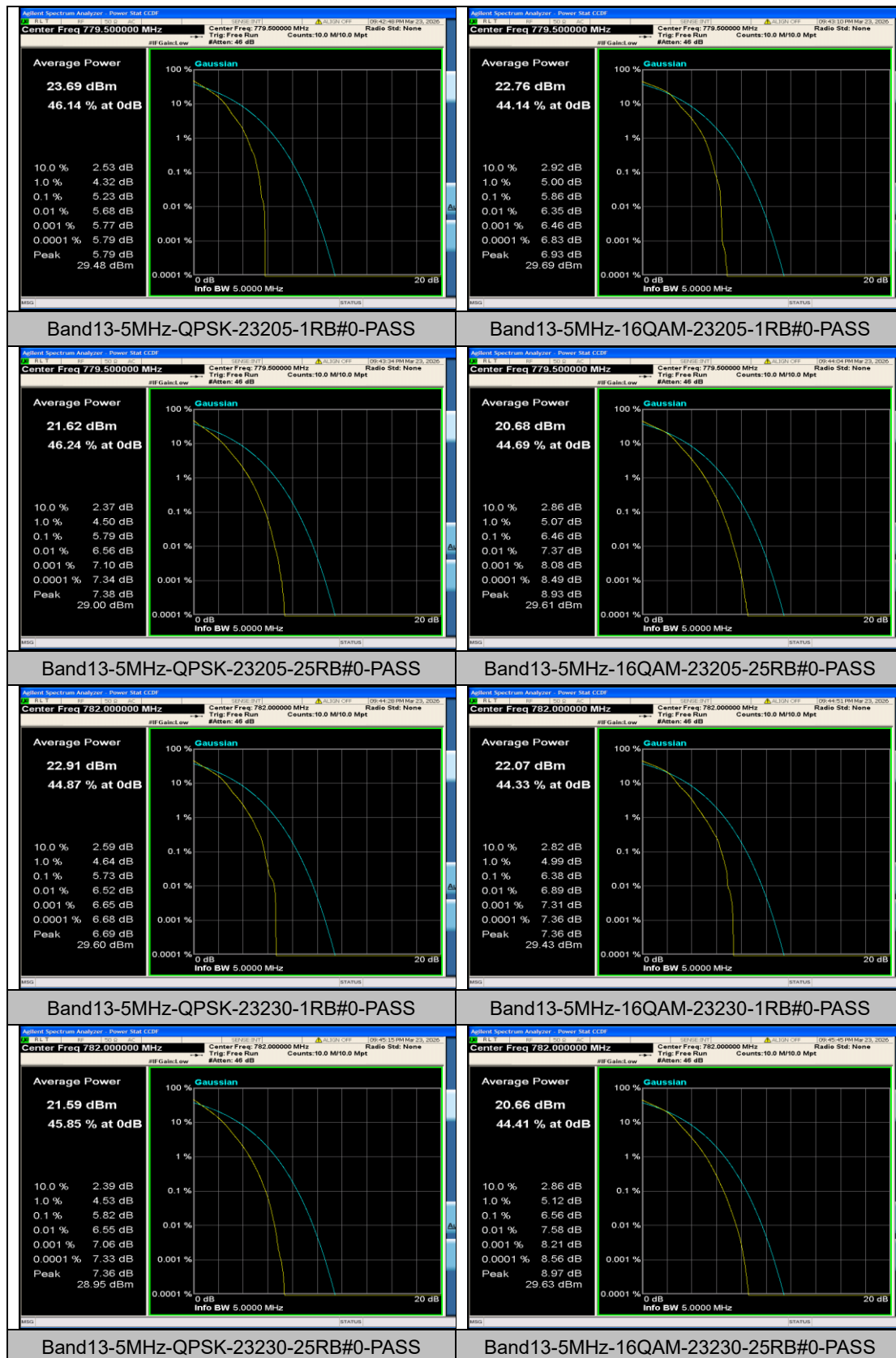
Company: : **Gastor Pty Ltd**
EUT : **GPS tracker**
Model Number : **AG45**
FCC ID : **2BU7Q-AG45**
Report No. : **CTA26031300107**
Reviewed By : **Eric Wang**

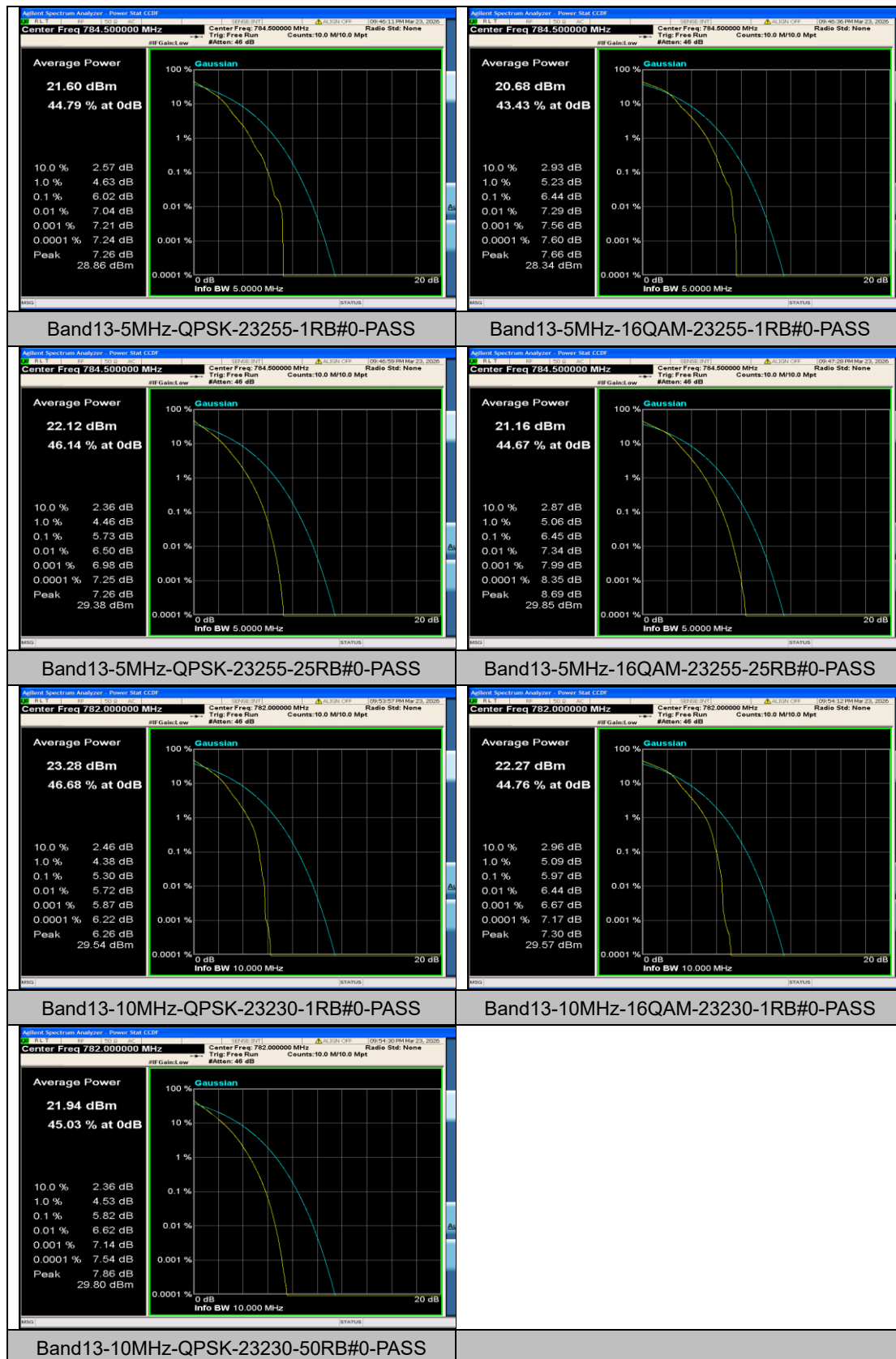
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	5.23	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	5.86	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.79	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	6.46	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	5.73	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	6.38	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.82	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	6.56	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	6.02	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	6.44	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	5.73	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	6.45	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	5.30	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	5.97	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.82	13	PASS

Test Graphs



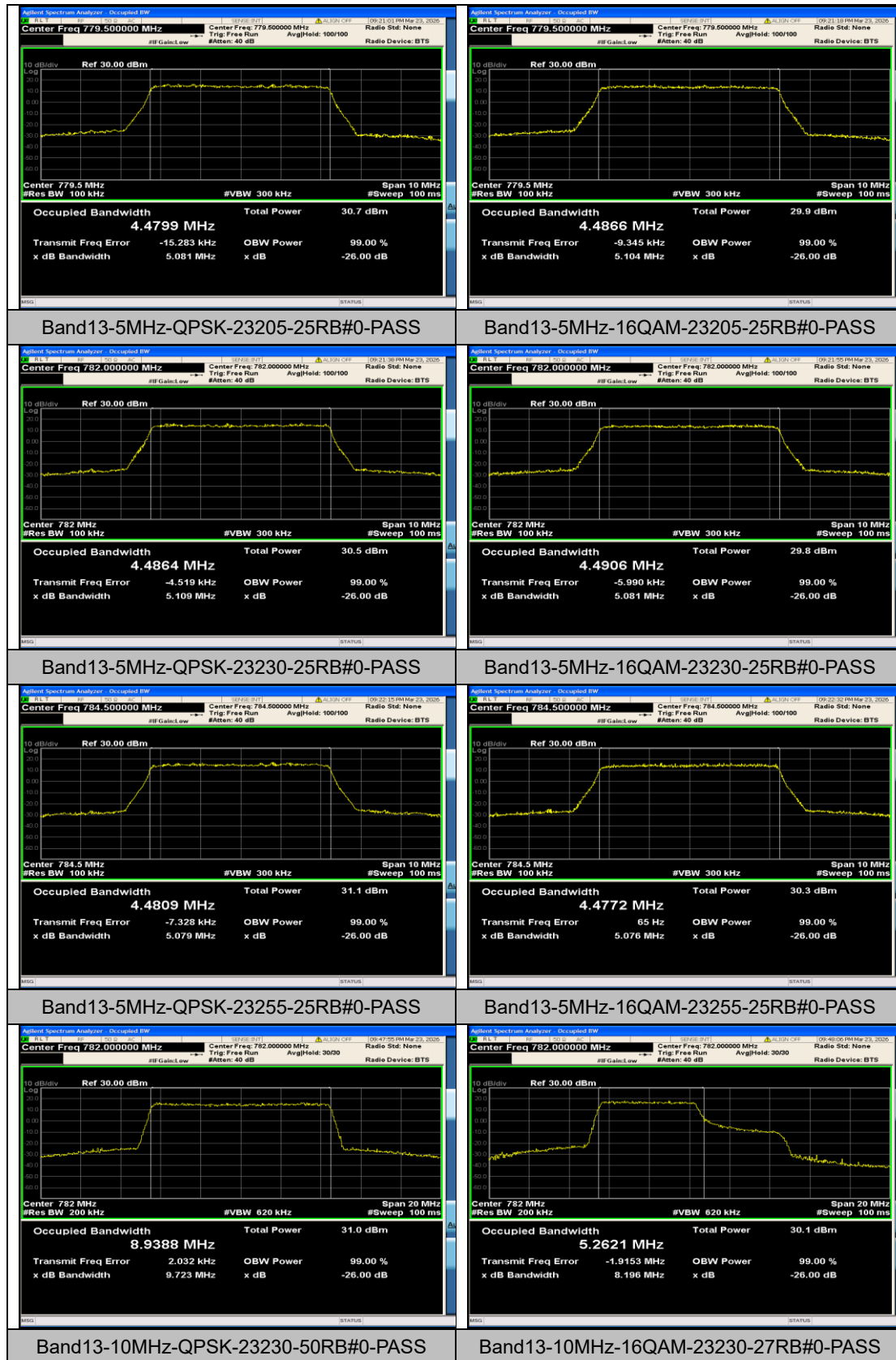


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4799	5.081	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4866	5.104	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4864	5.109	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4906	5.081	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4809	5.079	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4772	5.076	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9388	9.723	PASS
Band13	10MHz	16QAM	23230	27RB#0	5.2621	8.196	PASS

Test Graphs

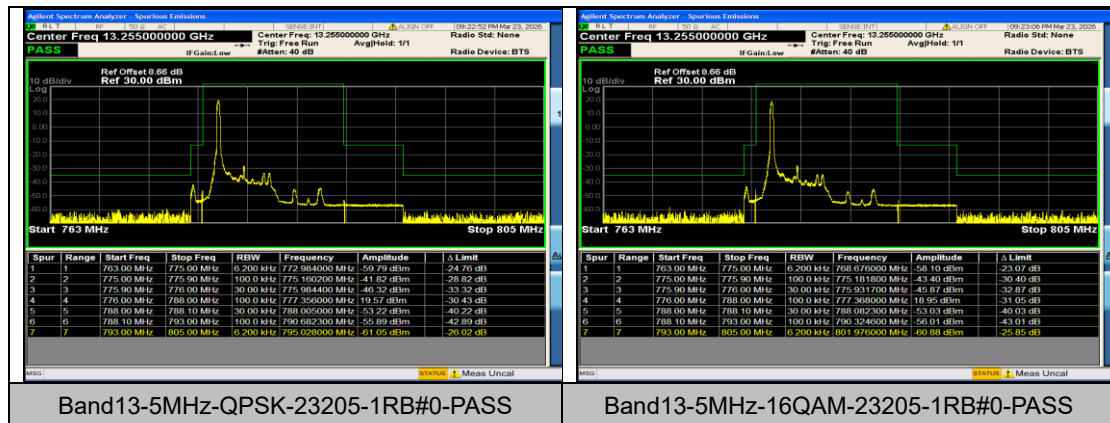


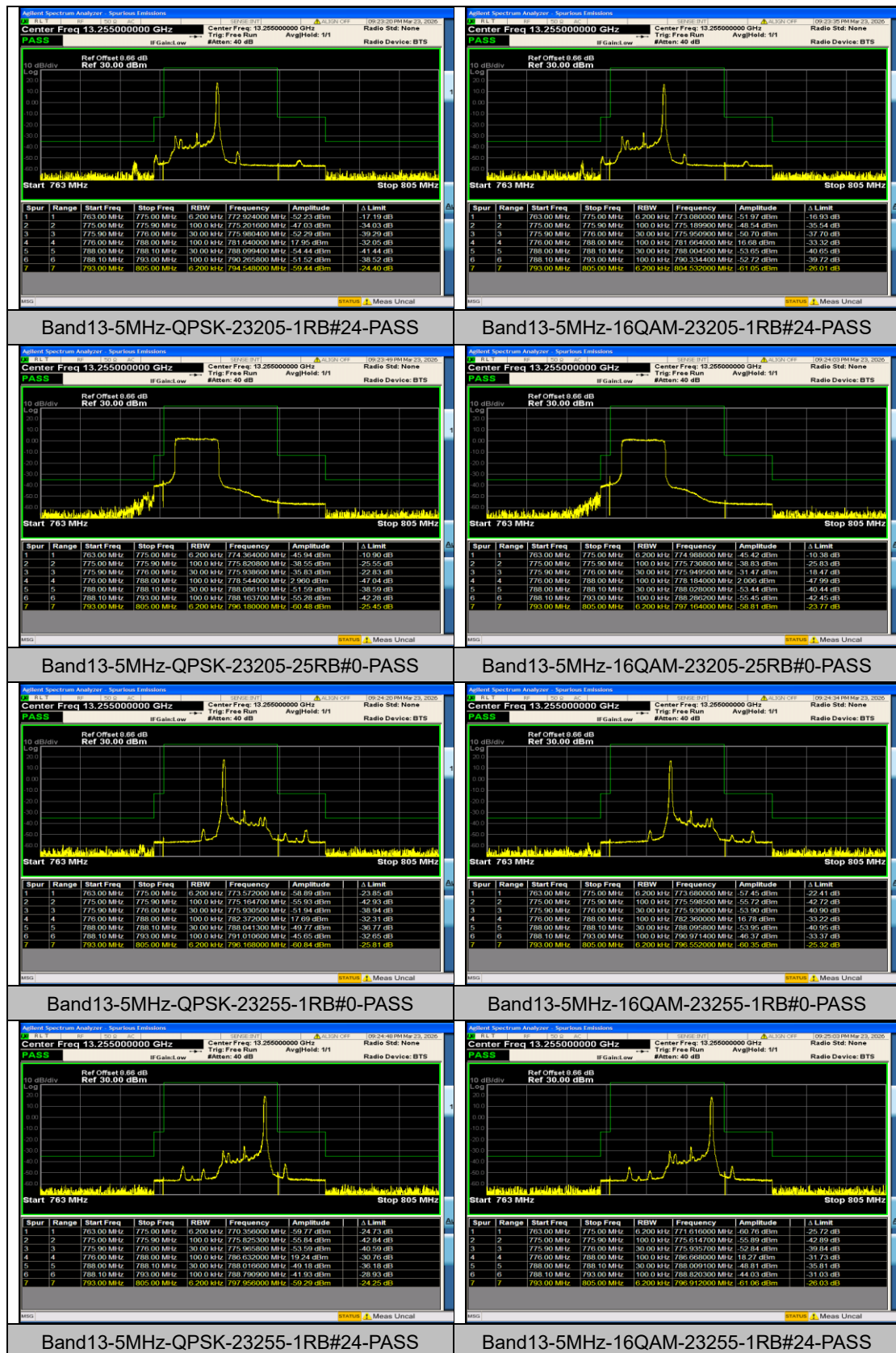
Appendix D: Band Edge

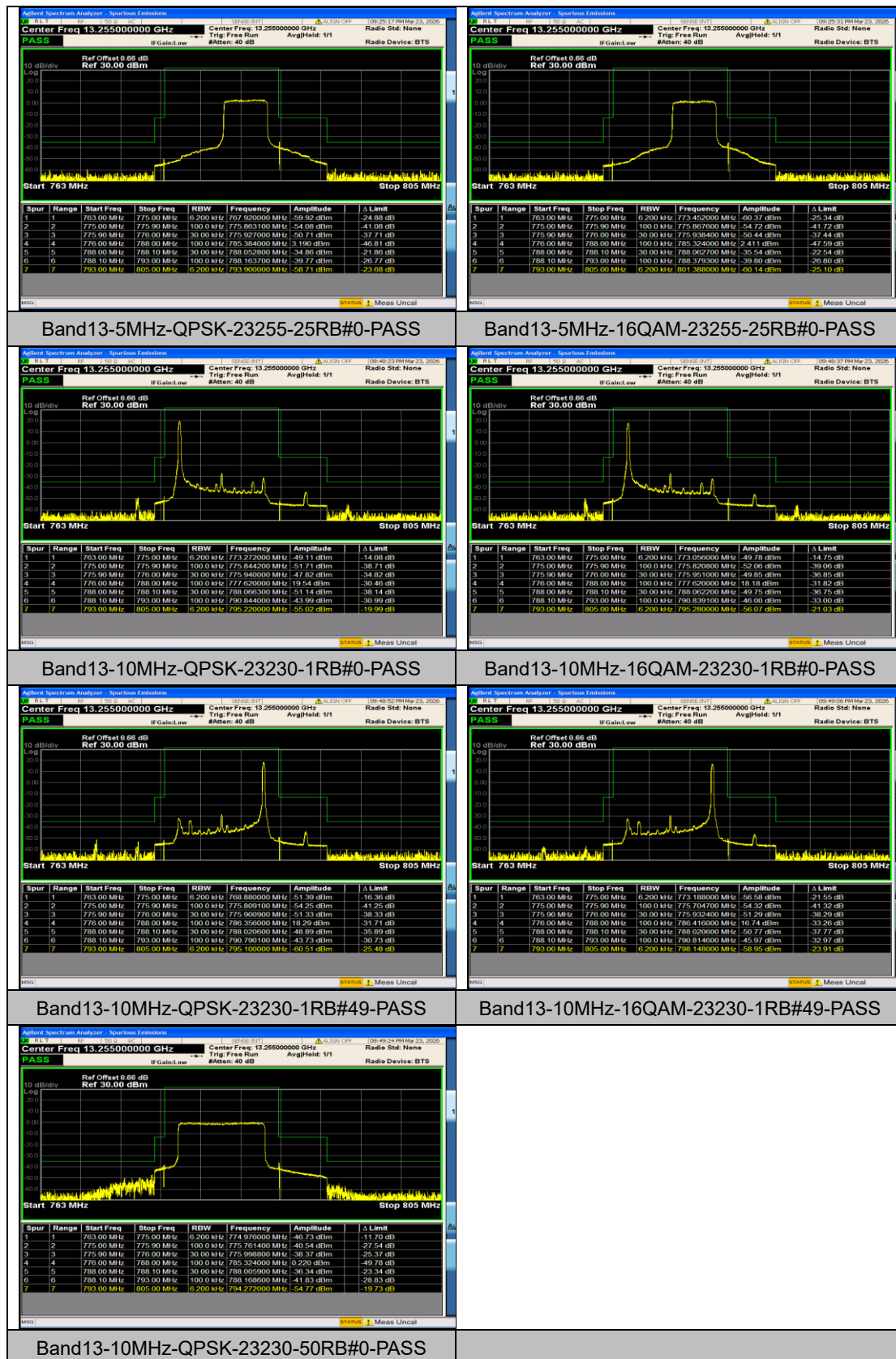
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	-59.79	PASS
Band13	5MHz	16QAM	23205	1RB#0	-58.10	PASS
Band13	5MHz	QPSK	23205	1RB#24	-52.23	PASS
Band13	5MHz	16QAM	23205	1RB#24	-51.97	PASS
Band13	5MHz	QPSK	23205	25RB#0	-45.94	PASS
Band13	5MHz	16QAM	23205	25RB#0	-45.42	PASS
Band13	5MHz	QPSK	23255	1RB#0	-58.89	PASS
Band13	5MHz	16QAM	23255	1RB#0	-57.45	PASS
Band13	5MHz	QPSK	23255	1RB#24	-59.29	PASS
Band13	5MHz	16QAM	23255	1RB#24	-60.76	PASS
Band13	5MHz	QPSK	23255	25RB#0	-34.86	PASS
Band13	5MHz	16QAM	23255	25RB#0	-35.54	PASS
Band13	10MHz	QPSK	23230	1RB#0	-49.11	PASS
Band13	10MHz	16QAM	23230	1RB#0	-49.78	PASS
Band13	10MHz	QPSK	23230	1RB#49	-51.39	PASS
Band13	10MHz	16QAM	23230	1RB#49	-56.58	PASS
Band13	10MHz	QPSK	23230	50RB#0	-46.73	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	-45.17	PASS
Band13	5MHz	QPSK	23205	1RB#0	0.15~30	-52.74	PASS
Band13	5MHz	QPSK	23205	1RB#0	30~1000	-58.95	PASS
Band13	5MHz	QPSK	23205	1RB#0	1000~3000	-44.28	PASS
Band13	5MHz	QPSK	23205	1RB#0	3000~10000	-43.60	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.009~0.15	-42.70	PASS
Band13	5MHz	16QAM	23205	1RB#0	0.15~30	-51.71	PASS
Band13	5MHz	16QAM	23205	1RB#0	30~1000	-58.05	PASS
Band13	5MHz	16QAM	23205	1RB#0	1000~3000	-45.26	PASS
Band13	5MHz	16QAM	23205	1RB#0	3000~10000	-44.00	PASS
Band13	5MHz	QPSK	23205	1RB#24	0.009~0.15	-44.13	PASS
Band13	5MHz	QPSK	23205	1RB#24	0.15~30	-52.95	PASS
Band13	5MHz	QPSK	23205	1RB#24	30~1000	-58.65	PASS
Band13	5MHz	QPSK	23205	1RB#24	1000~3000	-43.07	PASS
Band13	5MHz	QPSK	23205	1RB#24	3000~10000	-44.00	PASS
Band13	5MHz	16QAM	23205	1RB#24	0.009~0.15	-43.06	PASS
Band13	5MHz	16QAM	23205	1RB#24	0.15~30	-52.90	PASS
Band13	5MHz	16QAM	23205	1RB#24	30~1000	-58.98	PASS
Band13	5MHz	16QAM	23205	1RB#24	1000~3000	-48.12	PASS
Band13	5MHz	16QAM	23205	1RB#24	3000~10000	-43.40	PASS
Band13	5MHz	QPSK	23205	25RB#0	0.009~0.15	-44.69	PASS
Band13	5MHz	QPSK	23205	25RB#0	0.15~30	-52.82	PASS
Band13	5MHz	QPSK	23205	25RB#0	30~1000	-58.26	PASS
Band13	5MHz	QPSK	23205	25RB#0	1000~3000	-48.06	PASS
Band13	5MHz	QPSK	23205	25RB#0	3000~10000	-43.89	PASS
Band13	5MHz	16QAM	23205	25RB#0	0.009~0.15	-44.83	PASS
Band13	5MHz	16QAM	23205	25RB#0	0.15~30	-53.82	PASS
Band13	5MHz	16QAM	23205	25RB#0	30~1000	-59.24	PASS
Band13	5MHz	16QAM	23205	25RB#0	1000~3000	-48.08	PASS
Band13	5MHz	16QAM	23205	25RB#0	3000~10000	-43.90	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.009~0.15	-44.73	PASS
Band13	5MHz	QPSK	23230	1RB#0	0.15~30	-52.33	PASS
Band13	5MHz	QPSK	23230	1RB#0	30~1000	-58.90	PASS
Band13	5MHz	QPSK	23230	1RB#0	1000~3000	-45.14	PASS
Band13	5MHz	QPSK	23230	1RB#0	3000~10000	-44.07	PASS
Band13	5MHz	16QAM	23230	1RB#0	0.009~0.15	-44.14	PASS

Band13	5MHz	16QAM	23230	1RB#0	0.15~30	-51.15	PASS
Band13	5MHz	16QAM	23230	1RB#0	30~1000	-58.45	PASS
Band13	5MHz	16QAM	23230	1RB#0	1000~3000	-46.94	PASS
Band13	5MHz	16QAM	23230	1RB#0	3000~10000	-43.47	PASS
Band13	5MHz	QPSK	23230	1RB#24	0.009~0.15	-45.23	PASS
Band13	5MHz	QPSK	23230	1RB#24	0.15~30	-51.22	PASS
Band13	5MHz	QPSK	23230	1RB#24	30~1000	-59.09	PASS
Band13	5MHz	QPSK	23230	1RB#24	1000~3000	-47.34	PASS
Band13	5MHz	QPSK	23230	1RB#24	3000~10000	-43.67	PASS
Band13	5MHz	16QAM	23230	1RB#24	0.009~0.15	-44.11	PASS
Band13	5MHz	16QAM	23230	1RB#24	0.15~30	-50.53	PASS
Band13	5MHz	16QAM	23230	1RB#24	30~1000	-58.89	PASS
Band13	5MHz	16QAM	23230	1RB#24	1000~3000	-36.85	PASS
Band13	5MHz	16QAM	23230	1RB#24	3000~10000	-44.07	PASS
Band13	5MHz	QPSK	23230	25RB#0	0.009~0.15	-44.22	PASS
Band13	5MHz	QPSK	23230	25RB#0	0.15~30	-53.08	PASS
Band13	5MHz	QPSK	23230	25RB#0	30~1000	-59.37	PASS
Band13	5MHz	QPSK	23230	25RB#0	1000~3000	-46.52	PASS
Band13	5MHz	QPSK	23230	25RB#0	3000~10000	-43.85	PASS
Band13	5MHz	16QAM	23230	25RB#0	0.009~0.15	-44.37	PASS
Band13	5MHz	16QAM	23230	25RB#0	0.15~30	-53.84	PASS
Band13	5MHz	16QAM	23230	25RB#0	30~1000	-59.18	PASS
Band13	5MHz	16QAM	23230	25RB#0	1000~3000	-43.27	PASS
Band13	5MHz	16QAM	23230	25RB#0	3000~10000	-44.30	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.009~0.15	-44.69	PASS
Band13	5MHz	QPSK	23255	1RB#0	0.15~30	-53.28	PASS
Band13	5MHz	QPSK	23255	1RB#0	30~1000	-58.69	PASS
Band13	5MHz	QPSK	23255	1RB#0	1000~3000	-47.70	PASS
Band13	5MHz	QPSK	23255	1RB#0	3000~10000	-43.98	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.009~0.15	-44.64	PASS
Band13	5MHz	16QAM	23255	1RB#0	0.15~30	-50.62	PASS
Band13	5MHz	16QAM	23255	1RB#0	30~1000	-58.10	PASS
Band13	5MHz	16QAM	23255	1RB#0	1000~3000	-47.42	PASS
Band13	5MHz	16QAM	23255	1RB#0	3000~10000	-43.93	PASS
Band13	5MHz	QPSK	23255	1RB#24	0.009~0.15	-44.43	PASS
Band13	5MHz	QPSK	23255	1RB#24	0.15~30	-53.89	PASS
Band13	5MHz	QPSK	23255	1RB#24	30~1000	-58.42	PASS
Band13	5MHz	QPSK	23255	1RB#24	1000~3000	-45.24	PASS
Band13	5MHz	QPSK	23255	1RB#24	3000~10000	-44.07	PASS
Band13	5MHz	16QAM	23255	1RB#24	0.009~0.15	-43.11	PASS
Band13	5MHz	16QAM	23255	1RB#24	0.15~30	-53.03	PASS
Band13	5MHz	16QAM	23255	1RB#24	30~1000	-59.00	PASS
Band13	5MHz	16QAM	23255	1RB#24	1000~3000	-45.40	PASS

Band13	5MHz	16QAM	23255	1RB#24	3000~10000	-43.99	PASS
Band13	5MHz	QPSK	23255	25RB#0	0.009~0.15	-43.35	PASS
Band13	5MHz	QPSK	23255	25RB#0	0.15~30	-51.95	PASS
Band13	5MHz	QPSK	23255	25RB#0	30~1000	-59.39	PASS
Band13	5MHz	QPSK	23255	25RB#0	1000~3000	-47.88	PASS
Band13	5MHz	QPSK	23255	25RB#0	3000~10000	-43.54	PASS
Band13	5MHz	16QAM	23255	25RB#0	0.009~0.15	-43.82	PASS
Band13	5MHz	16QAM	23255	25RB#0	0.15~30	-52.84	PASS
Band13	5MHz	16QAM	23255	25RB#0	30~1000	-58.93	PASS
Band13	5MHz	16QAM	23255	25RB#0	1000~3000	-47.87	PASS
Band13	5MHz	16QAM	23255	25RB#0	3000~10000	-44.04	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.009~0.15	-43.98	PASS
Band13	10MHz	QPSK	23230	1RB#0	0.15~30	-52.48	PASS
Band13	10MHz	QPSK	23230	1RB#0	30~1000	-58.54	PASS
Band13	10MHz	QPSK	23230	1RB#0	1000~3000	-43.34	PASS
Band13	10MHz	QPSK	23230	1RB#0	3000~10000	-43.89	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.009~0.15	-44.80	PASS
Band13	10MHz	16QAM	23230	1RB#0	0.15~30	-50.75	PASS
Band13	10MHz	16QAM	23230	1RB#0	30~1000	-58.69	PASS
Band13	10MHz	16QAM	23230	1RB#0	1000~3000	-38.36	PASS
Band13	10MHz	16QAM	23230	1RB#0	3000~10000	-44.28	PASS
Band13	10MHz	QPSK	23230	1RB#49	0.009~0.15	-44.72	PASS
Band13	10MHz	QPSK	23230	1RB#49	0.15~30	-51.64	PASS
Band13	10MHz	QPSK	23230	1RB#49	30~1000	-59.25	PASS
Band13	10MHz	QPSK	23230	1RB#49	1000~3000	-45.30	PASS
Band13	10MHz	QPSK	23230	1RB#49	3000~10000	-44.06	PASS
Band13	10MHz	16QAM	23230	1RB#49	0.009~0.15	-44.03	PASS
Band13	10MHz	16QAM	23230	1RB#49	0.15~30	-52.10	PASS
Band13	10MHz	16QAM	23230	1RB#49	30~1000	-58.82	PASS
Band13	10MHz	16QAM	23230	1RB#49	1000~3000	-47.32	PASS
Band13	10MHz	16QAM	23230	1RB#49	3000~10000	-43.89	PASS
Band13	10MHz	QPSK	23230	50RB#0	0.009~0.15	-43.72	PASS
Band13	10MHz	QPSK	23230	50RB#0	0.15~30	-53.32	PASS
Band13	10MHz	QPSK	23230	50RB#0	30~1000	-58.57	PASS
Band13	10MHz	QPSK	23230	50RB#0	1000~3000	-47.98	PASS
Band13	10MHz	QPSK	23230	50RB#0	3000~10000	-44.13	PASS

Test Graphs

