

FCC Appendix RF Test Data for LTE Band 26-1

FCC ID : **R38YLCPK23**

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

EUT : **Smart Phone**

Model Number : **K23**

Report No. : **CTA26032500710**

Reviewed By : **Eric Wang**

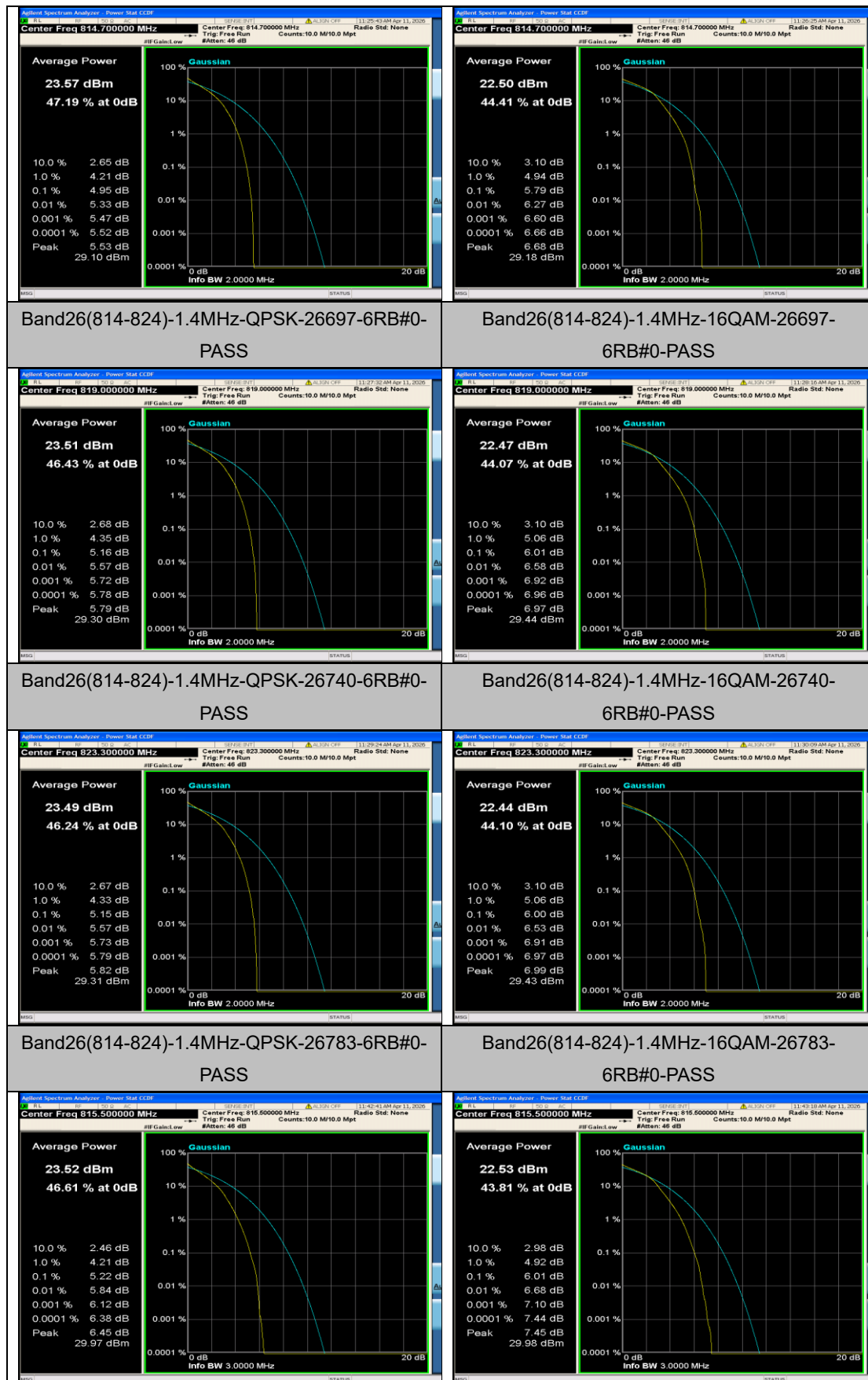
Appendix A: Peak-to-Average Ratio(CCDF)

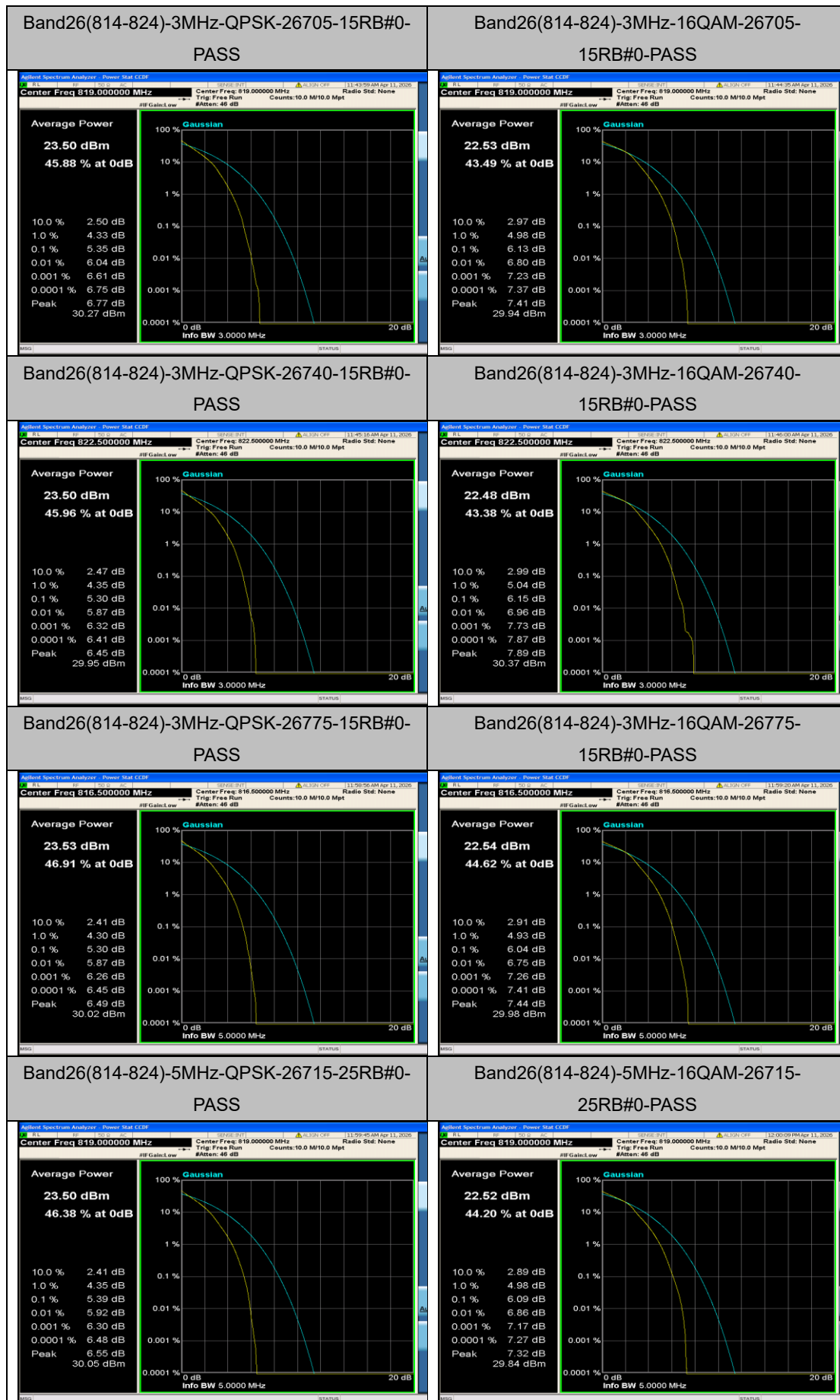
Test Result

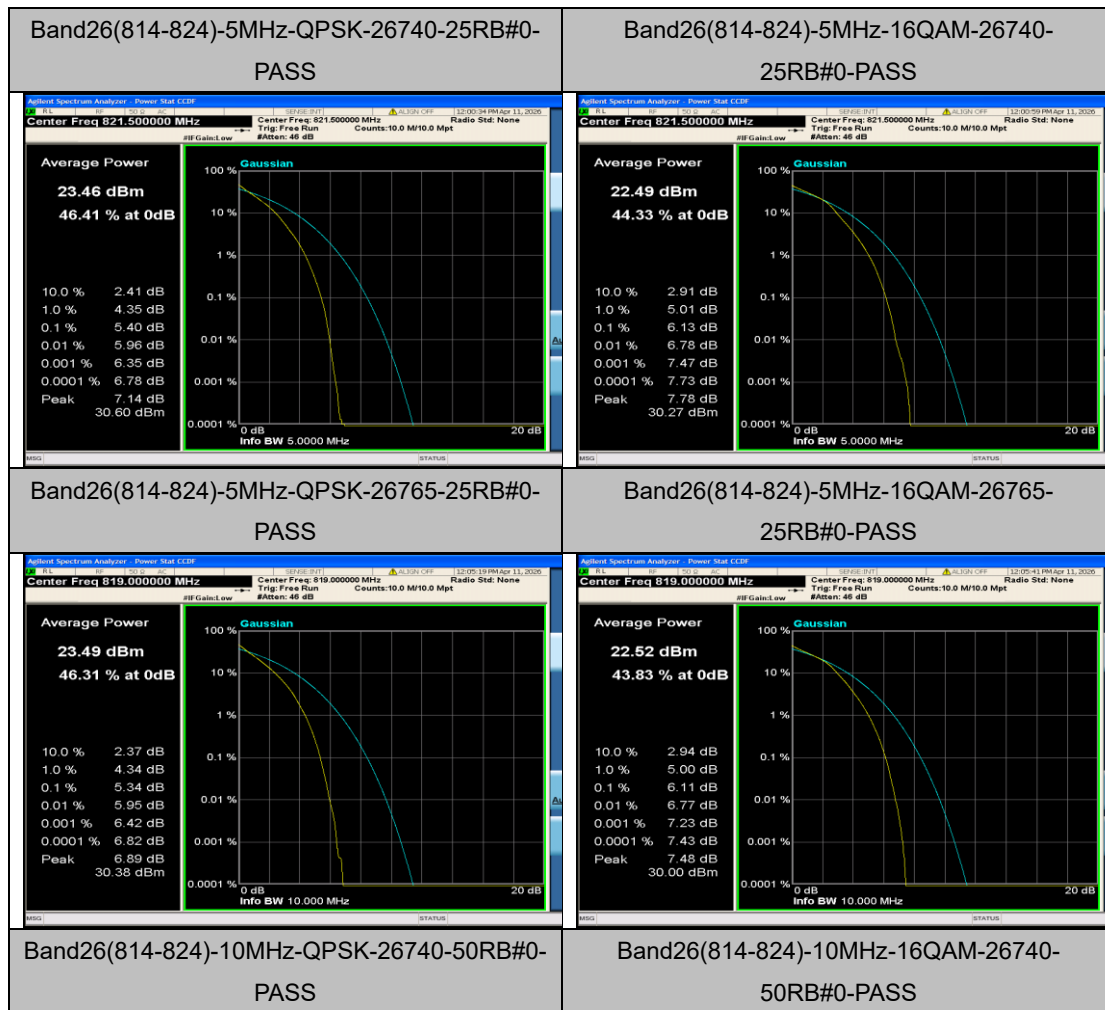
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	4.95	13	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	5.79	13	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	5.16	13	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	6.01	13	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	5.15	13	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	6.00	13	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	5.22	13	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	6.01	13	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	5.35	13	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	6.13	13	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	5.30	13	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	6.15	13	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	5.30	13	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	6.04	13	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	5.39	13	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	6.09	13	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	5.40	13	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	6.13	13	PASS

Band26(814-824)	10MHz	QPSK	26740	50RB#0	5.34	13	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	6.11	13	PASS

Test Graphs







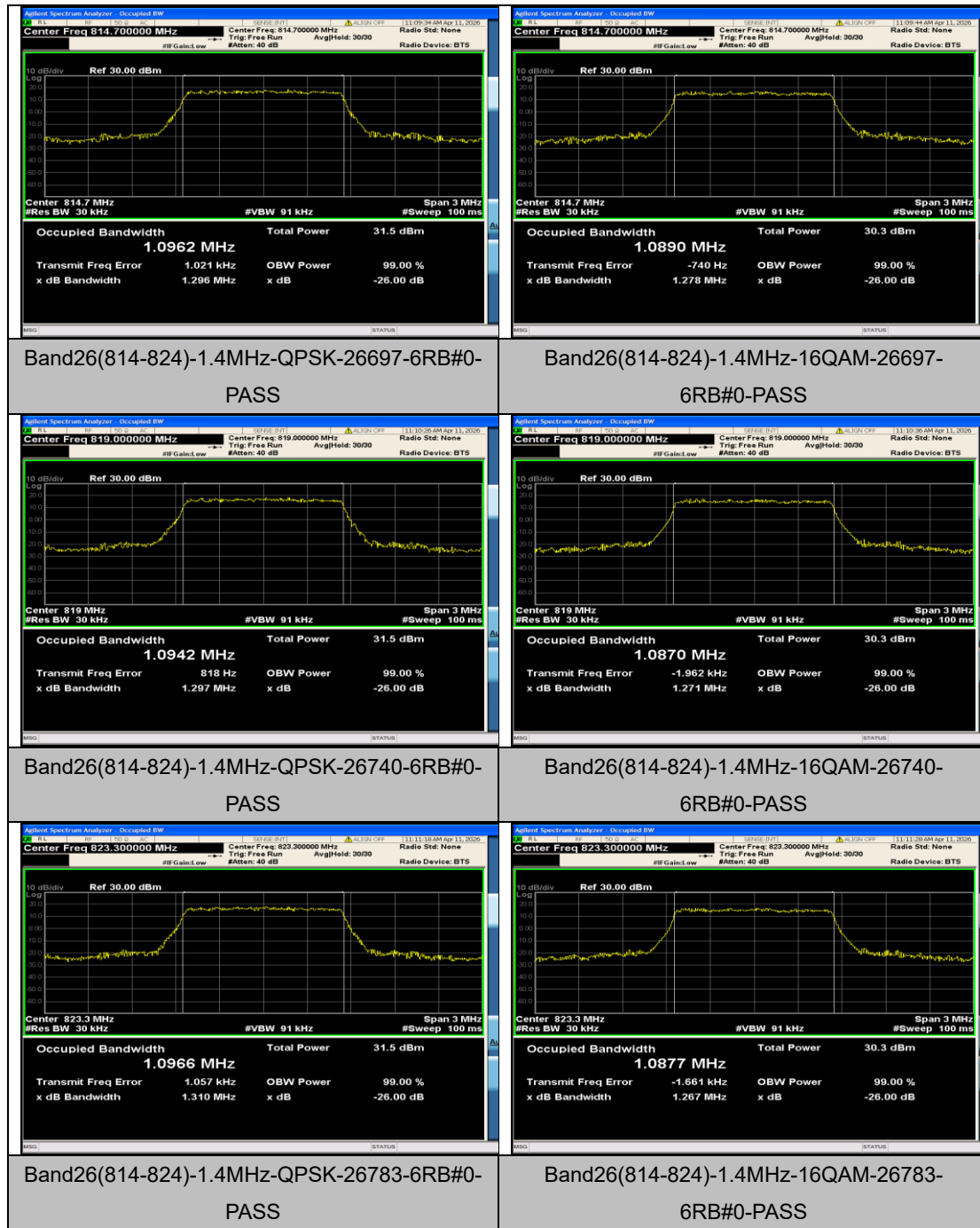
Appendix B: 26dB Bandwidth and Occupied Bandwidth

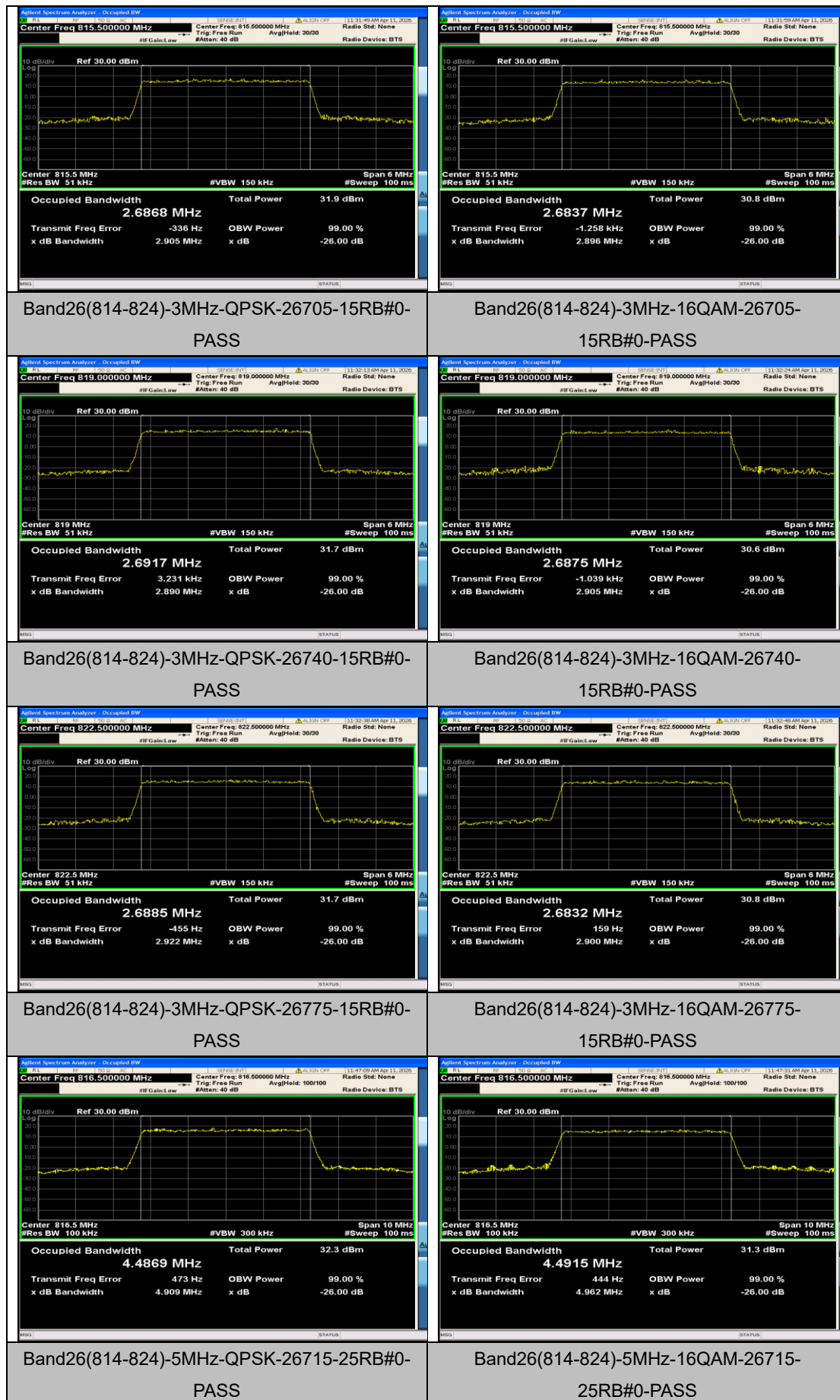
Test Result

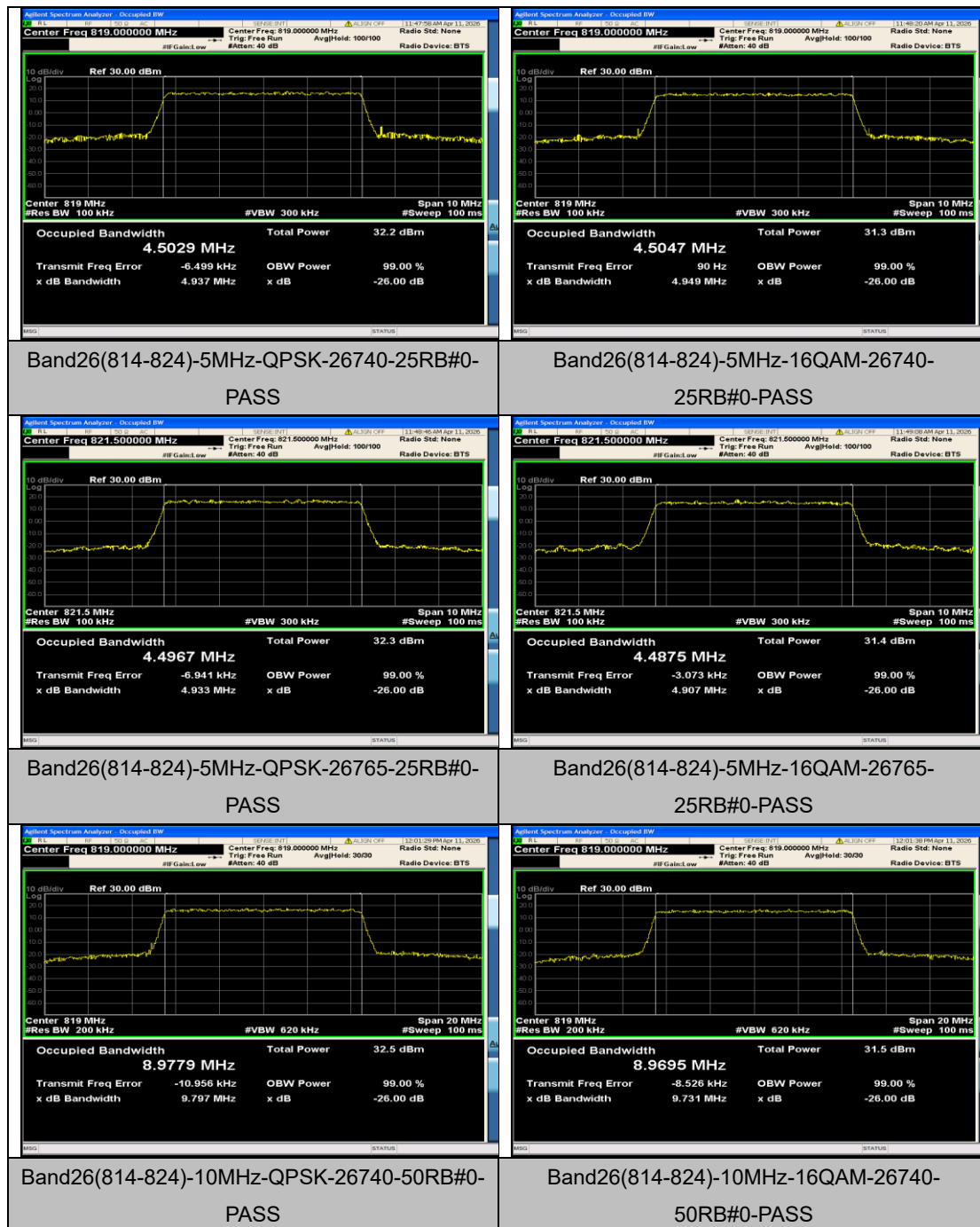
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	1.0962	1.296	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.0890	1.278	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.0942	1.297	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.0870	1.271	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.0966	1.310	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.0877	1.267	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	2.6868	2.905	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	2.6837	2.896	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	2.6917	2.890	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	2.6875	2.905	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	2.6885	2.922	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	2.6832	2.900	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	4.4869	4.909	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	4.4915	4.962	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	4.5029	4.937	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	4.5047	4.949	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	4.4967	4.933	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	4.4875	4.907	PASS

824)							
Band26(814-824)	10MHz	QPSK	26740	50RB#0	8.9779	9.797	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	8.9695	9.731	PASS

Test Graphs





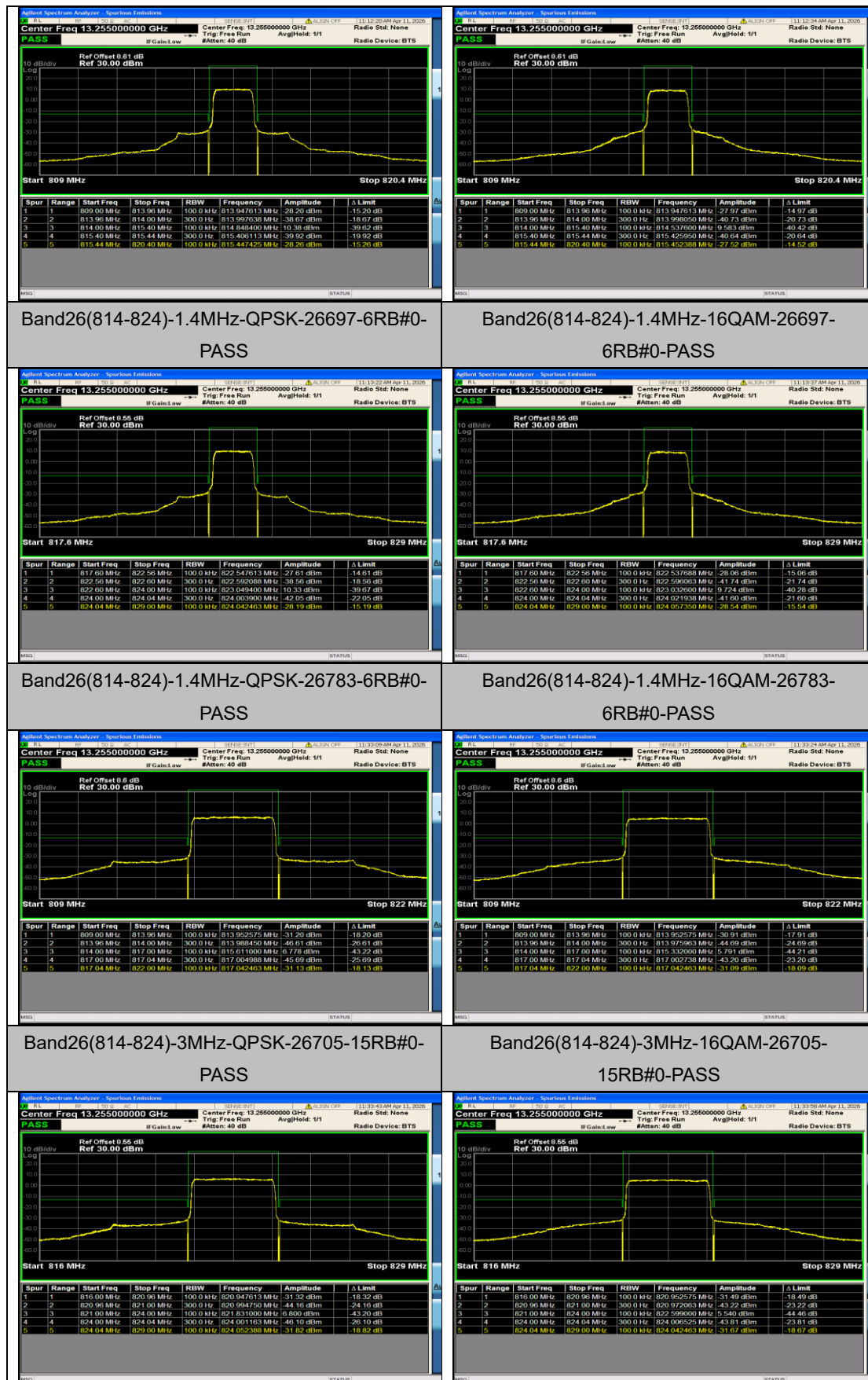


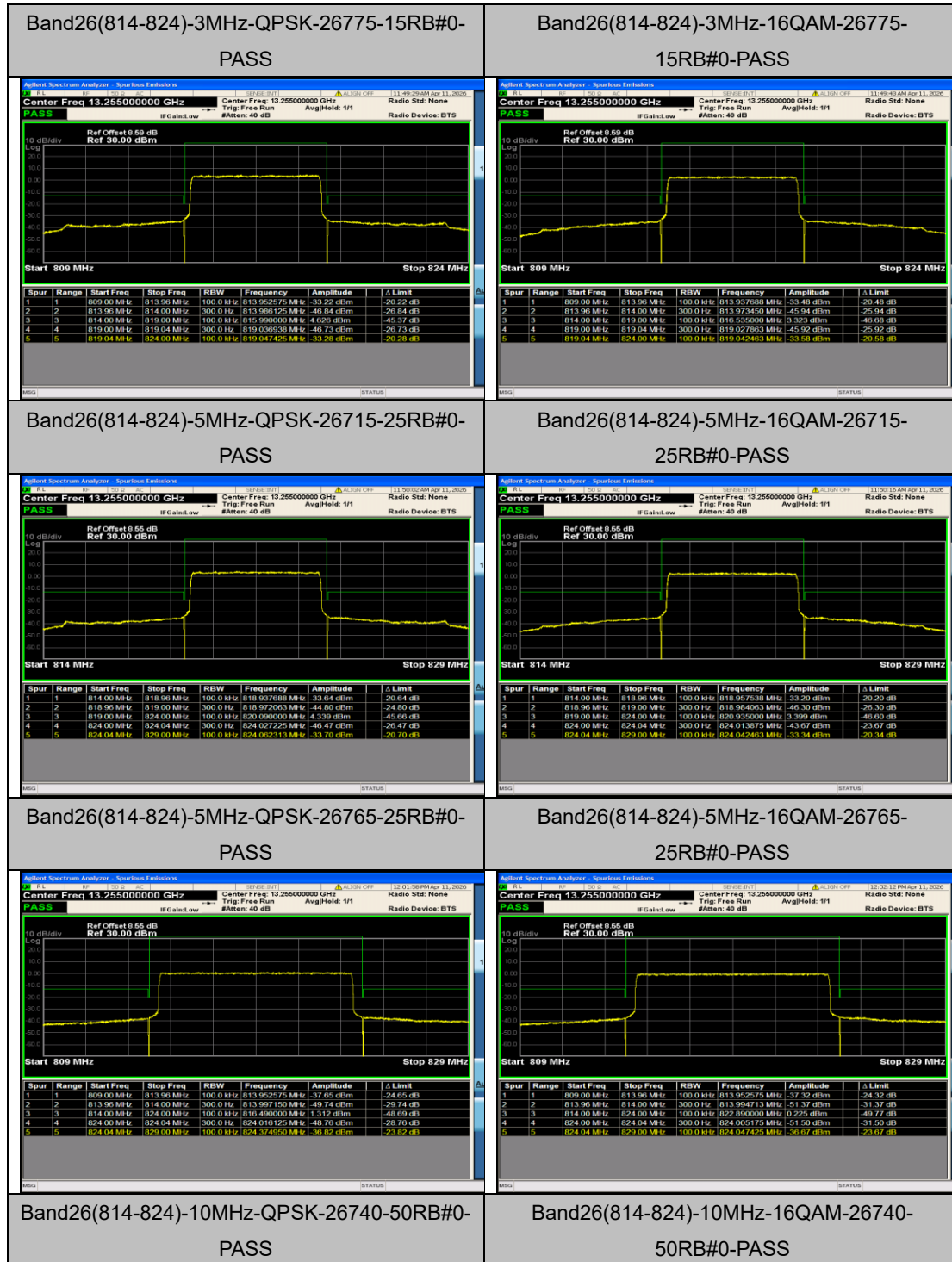
Appendix C: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	-28.20	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	-27.52	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	-27.61	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	-28.06	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	-31.13	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	-30.91	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	-31.32	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	-31.49	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	-33.22	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	-33.48	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	-33.64	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	-33.20	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	-36.82	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	-36.67	PASS

Test Graphs





Appendix D: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	0.009~0.15	-59.20	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	0.15~30	-52.31	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	30~1000	-58.18	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	1000~3000	-44.87	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	3000~10000	-43.97	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	0.009~0.15	-59.93	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	0.15~30	-51.34	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	30~1000	-58.15	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	1000~3000	-45.42	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	3000~10000	-44.32	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	0.009~0.15	-60.07	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	0.15~30	-51.20	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	30~1000	-52.99	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	1000~3000	-45.06	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	3000~10000	-43.96	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	0.009~0.15	-59.98	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	0.15~30	-51.17	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	30~1000	-58.50	PASS

Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	1000~3000	-45.70	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	3000~1000 0	-43.73	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	0.009~0.15	-59.39	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	0.15~30	-52.39	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	30~1000	-57.14	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	1000~3000	-45.04	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	3000~1000 0	-43.53	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	0.009~0.15	-61.23	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	0.15~30	-50.08	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	30~1000	-58.42	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	1000~3000	-45.66	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	3000~1000 0	-43.88	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	0.009~0.15	-61.04	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	0.15~30	-51.85	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	30~1000	-49.28	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	1000~3000	-47.45	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	3000~1000 0	-43.87	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	0.009~0.15	-58.25	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	0.15~30	-53.83	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	30~1000	-46.91	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	1000~3000	-47.95	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	3000~1000 0	-44.02	PASS

Band26(814-824)	3MHz	QPSK	26740	15RB#0	0.009~0.15	-61.51	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	0.15~30	-54.11	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	30~1000	-51.84	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	1000~3000	-46.88	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	3000~10000	-43.85	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	0.009~0.15	-59.74	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	0.15~30	-52.19	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	30~1000	-56.26	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	1000~3000	-47.60	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	3000~10000	-44.35	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	0.009~0.15	-60.19	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	0.15~30	-53.66	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	30~1000	-44.49	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	1000~3000	-47.37	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	3000~10000	-43.83	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	0.009~0.15	-59.31	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	0.15~30	-52.26	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	30~1000	-46.86	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	1000~3000	-47.98	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	3000~10000	-44.11	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	0.009~0.15	-59.91	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	0.15~30	-51.91	PASS

Band26(814-824)	5MHz	QPSK	26715	25RB#0	30~1000	-38.75	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	1000~3000	-48.06	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	3000~1000 0	-44.13	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	0.009~0.15	-61.10	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	0.15~30	-52.39	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	30~1000	-42.00	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	1000~3000	-48.03	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	3000~1000 0	-43.40	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	0.009~0.15	-59.84	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	0.15~30	-51.66	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	30~1000	-47.55	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	1000~3000	-48.14	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	3000~1000 0	-43.60	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	0.009~0.15	-60.61	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	0.15~30	-52.07	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	30~1000	-48.43	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	1000~3000	-47.90	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	3000~1000 0	-43.93	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	0.009~0.15	-60.89	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	0.15~30	-52.41	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	30~1000	-36.93	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	1000~3000	-48.15	PASS

Band26(814-824)	5MHz	QPSK	26765	25RB#0	3000~1000 0	-43.77	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	0.009~0.15	-61.52	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	0.15~30	-52.89	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	30~1000	-40.08	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	1000~3000	-47.99	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	3000~1000 0	-43.92	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	0.009~0.15	-58.99	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	0.15~30	-51.50	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	30~1000	-34.24	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	1000~3000	-47.87	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	3000~1000 0	-43.94	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	0.009~0.15	-60.10	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	0.15~30	-53.31	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	30~1000	-34.51	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	1000~3000	-48.00	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	3000~1000 0	-43.96	PASS

Test Graphs

