

FCC Appendix RF Test Data for LTE Band 26

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

EUT : Smart Phone

Model Number : K21

FCC ID : R38YLC PK21

Report No. : CTA25091901811

Reviewed By : Eric Wang

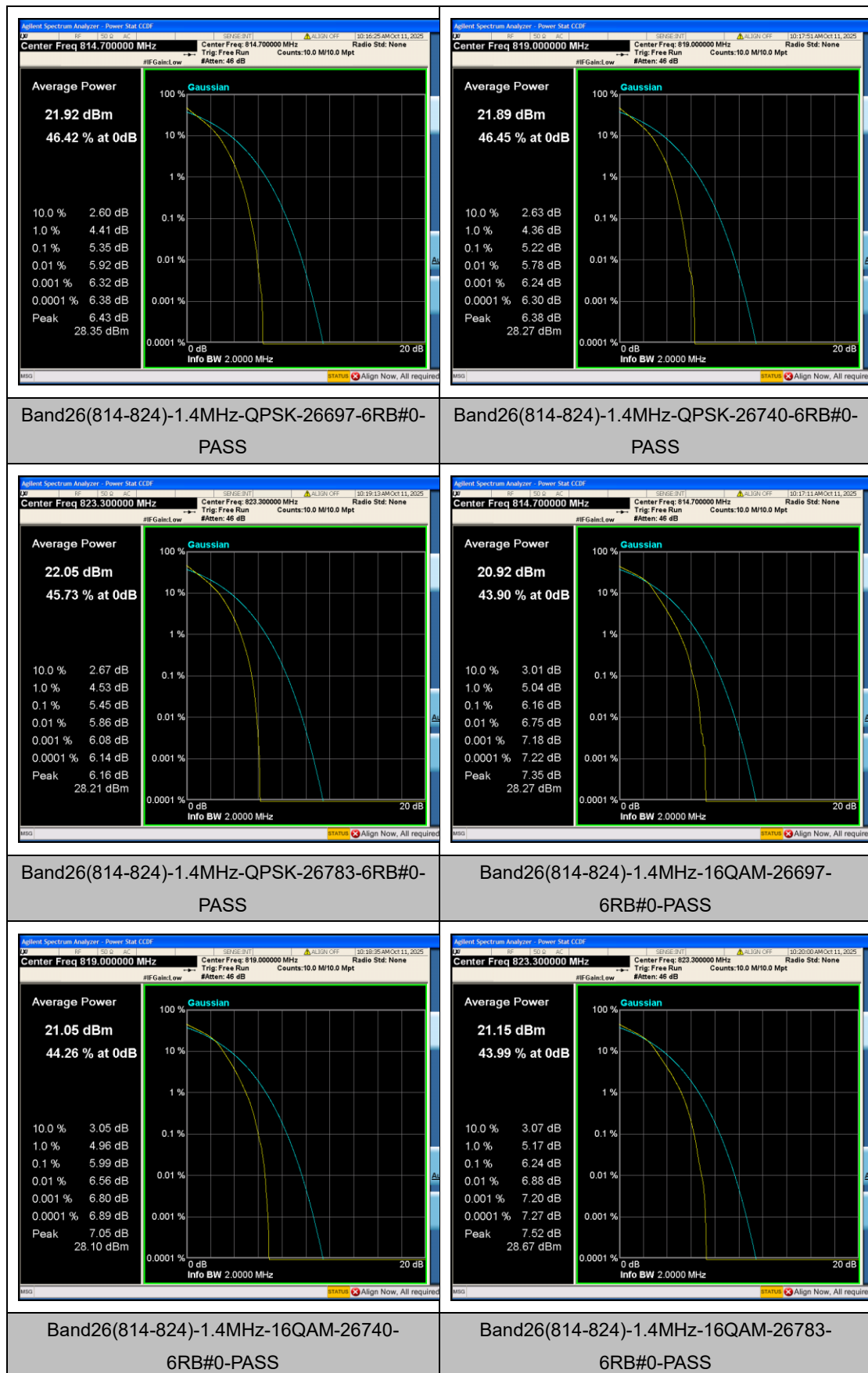
Appendix B: Peak-to-Average Ratio(CCDF)

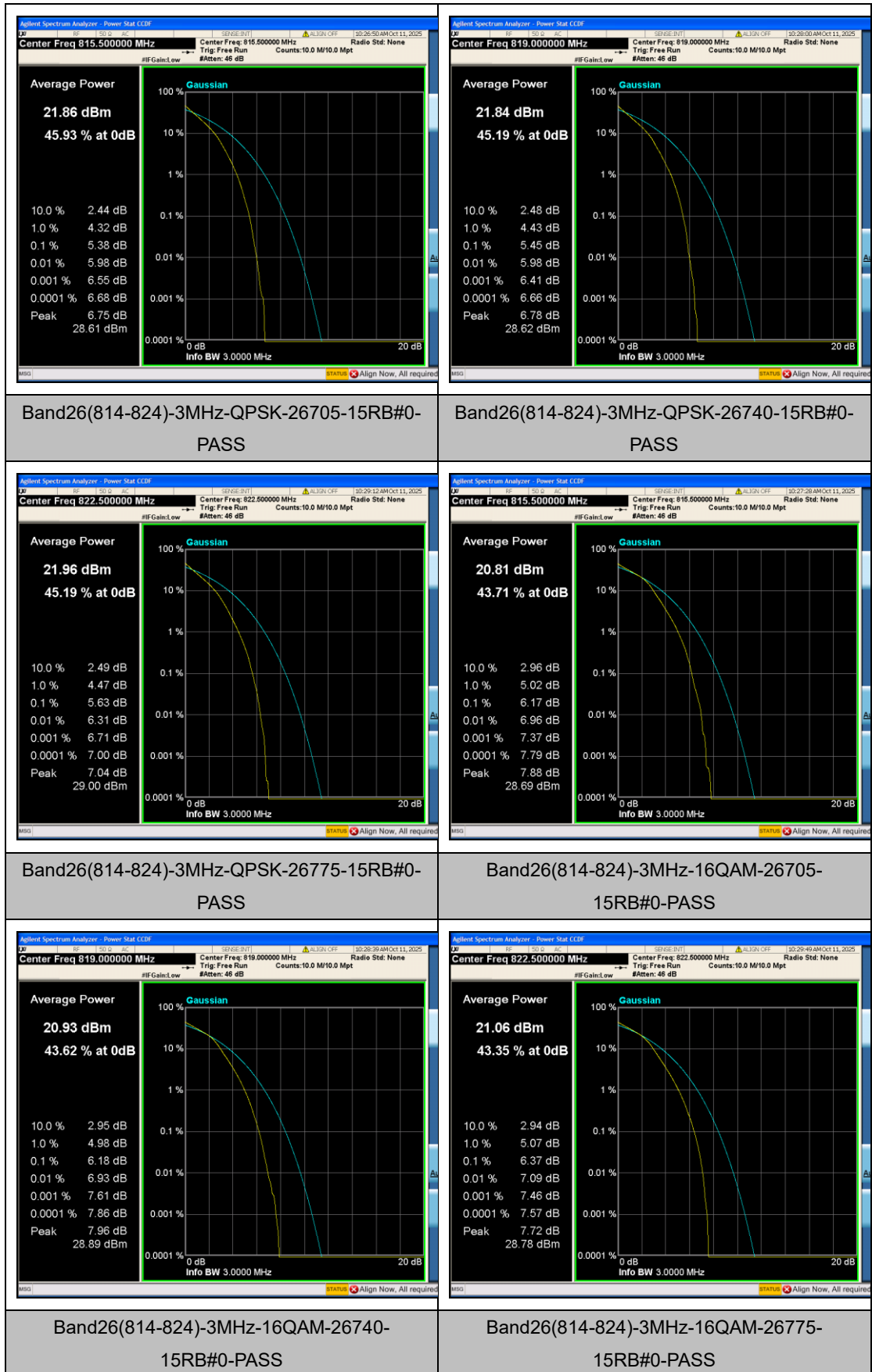
Test Result

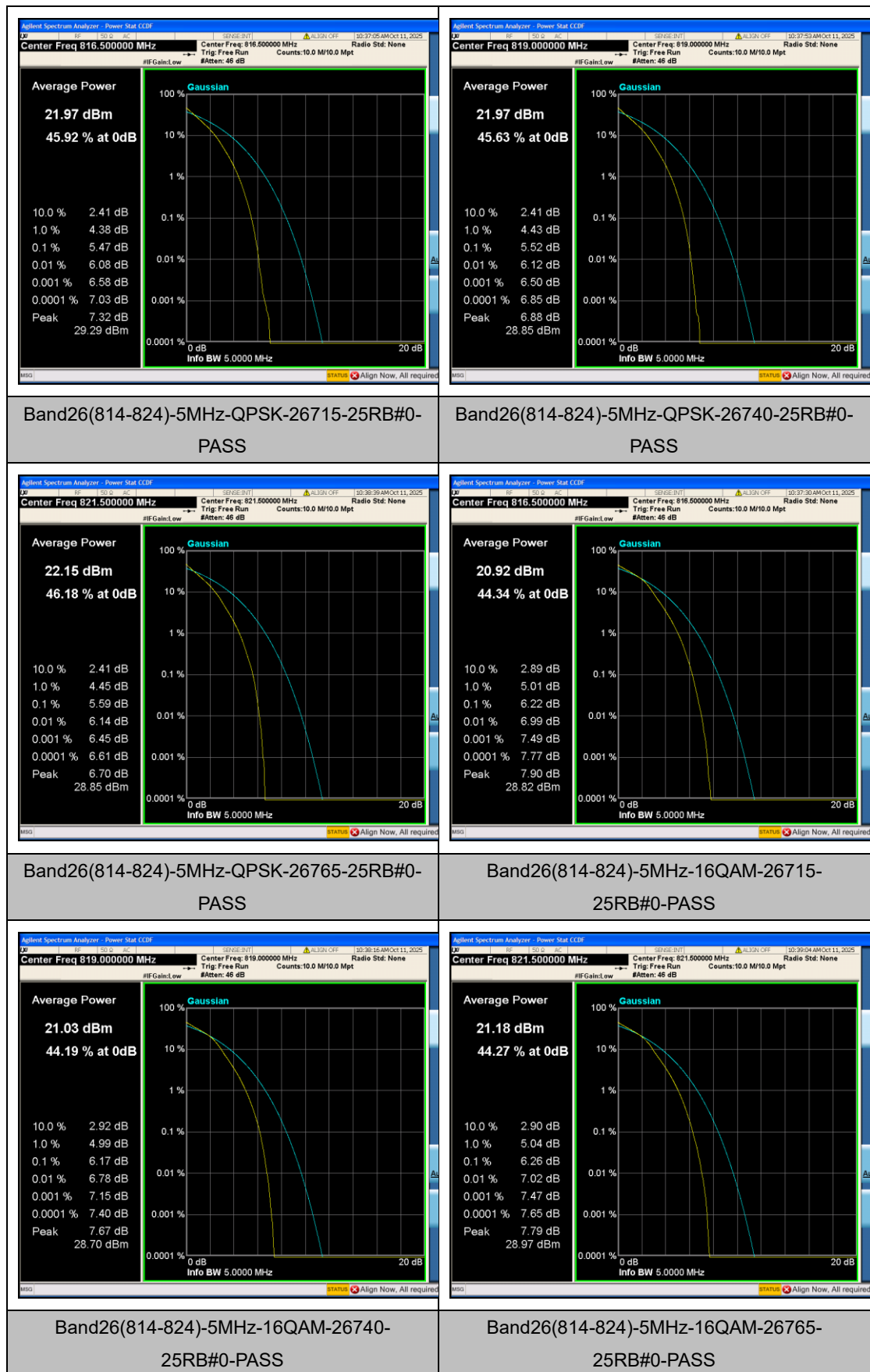
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	5.35	13	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	5.22	13	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	5.45	13	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	6.16	13	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	5.99	13	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	6.24	13	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	5.38	13	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	5.45	13	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	5.63	13	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	6.17	13	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	6.18	13	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	6.37	13	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	5.47	13	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	5.52	13	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	5.59	13	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	6.22	13	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	6.17	13	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	6.26	13	PASS

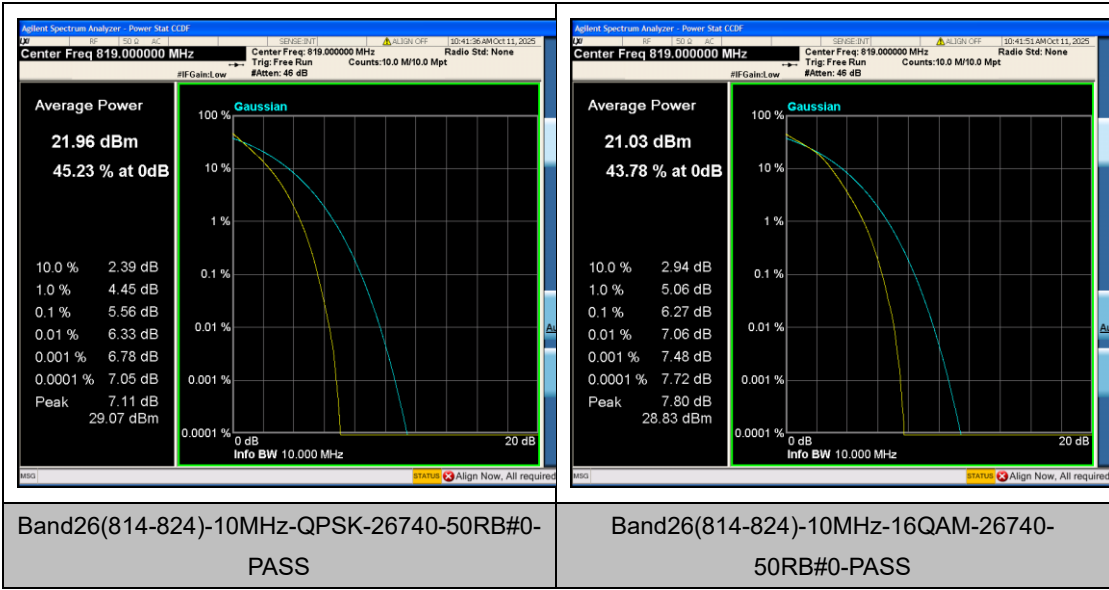
Band26(814-824)	10MHz	QPSK	26740	50RB#0	5.56	13	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	6.27	13	PASS

Test Graphs









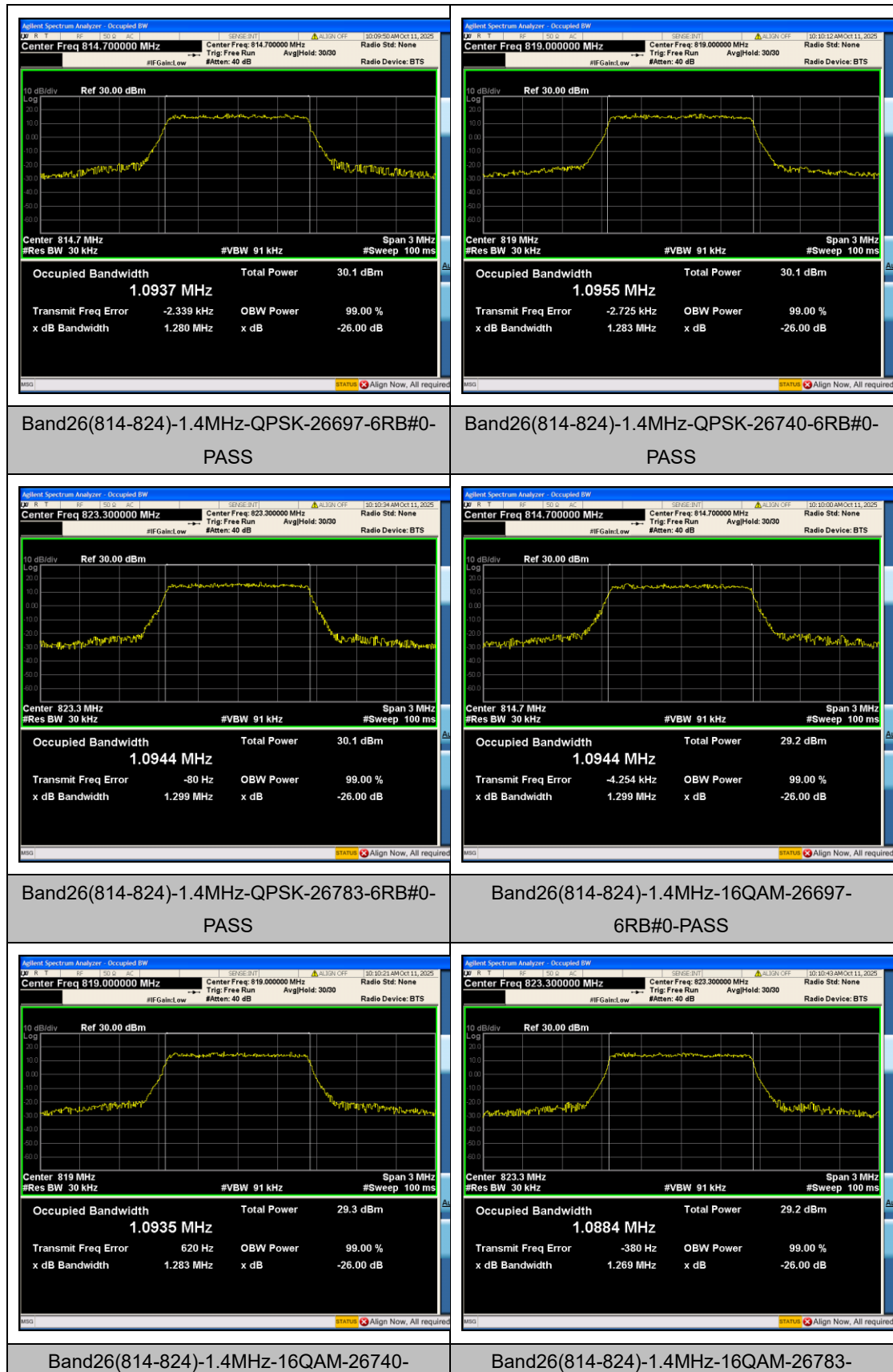
Appendix C: 26dB Bandwidth and Occupied Bandwidth

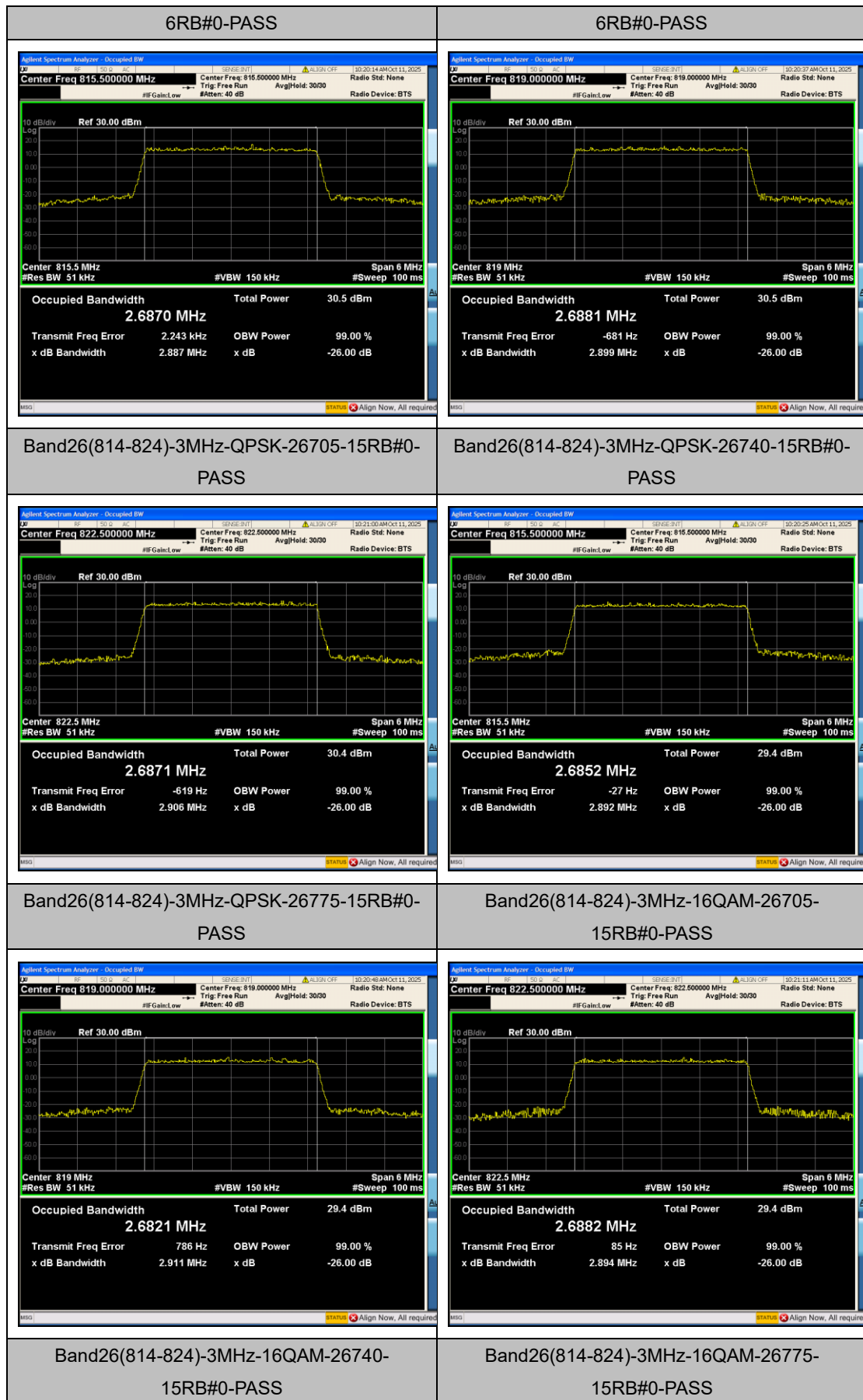
Test Result

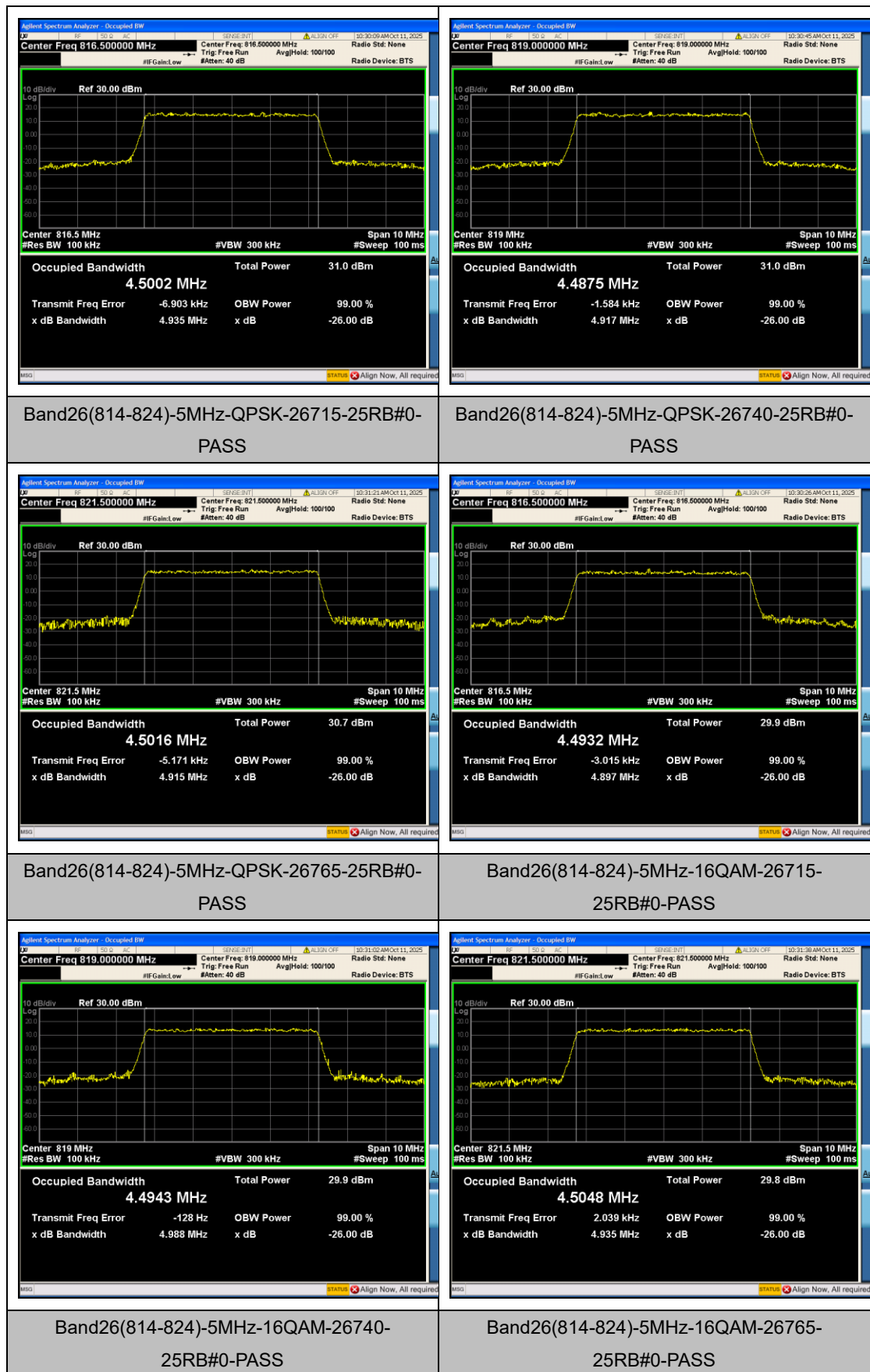
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	1.0937	1.280	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	1.0955	1.283	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	1.0944	1.299	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	1.0944	1.299	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	1.0935	1.283	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	1.0884	1.269	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	2.6870	2.887	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	2.6881	2.899	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	2.6871	2.906	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	2.6852	2.892	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	2.6821	2.911	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	2.6882	2.894	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	4.5002	4.935	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	4.4875	4.917	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	4.5016	4.915	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	4.4932	4.897	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	4.4943	4.988	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	4.5048	4.935	PASS

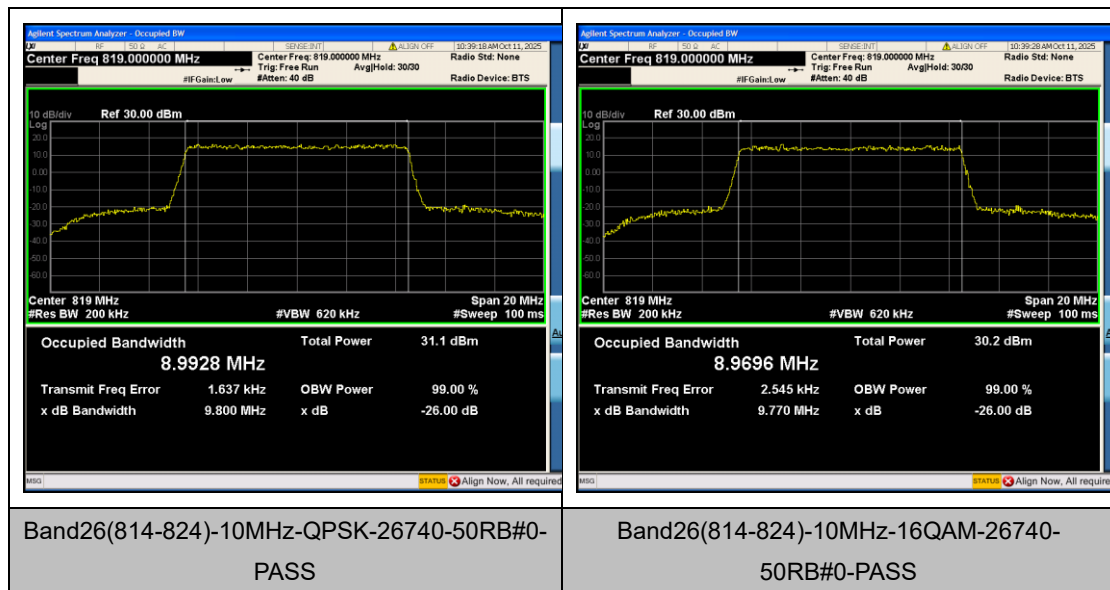
824)							
Band26(814-824)	10MHz	QPSK	26740	50RB#0	8.9928	9.800	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	8.9696	9.770	PASS

Test Graphs







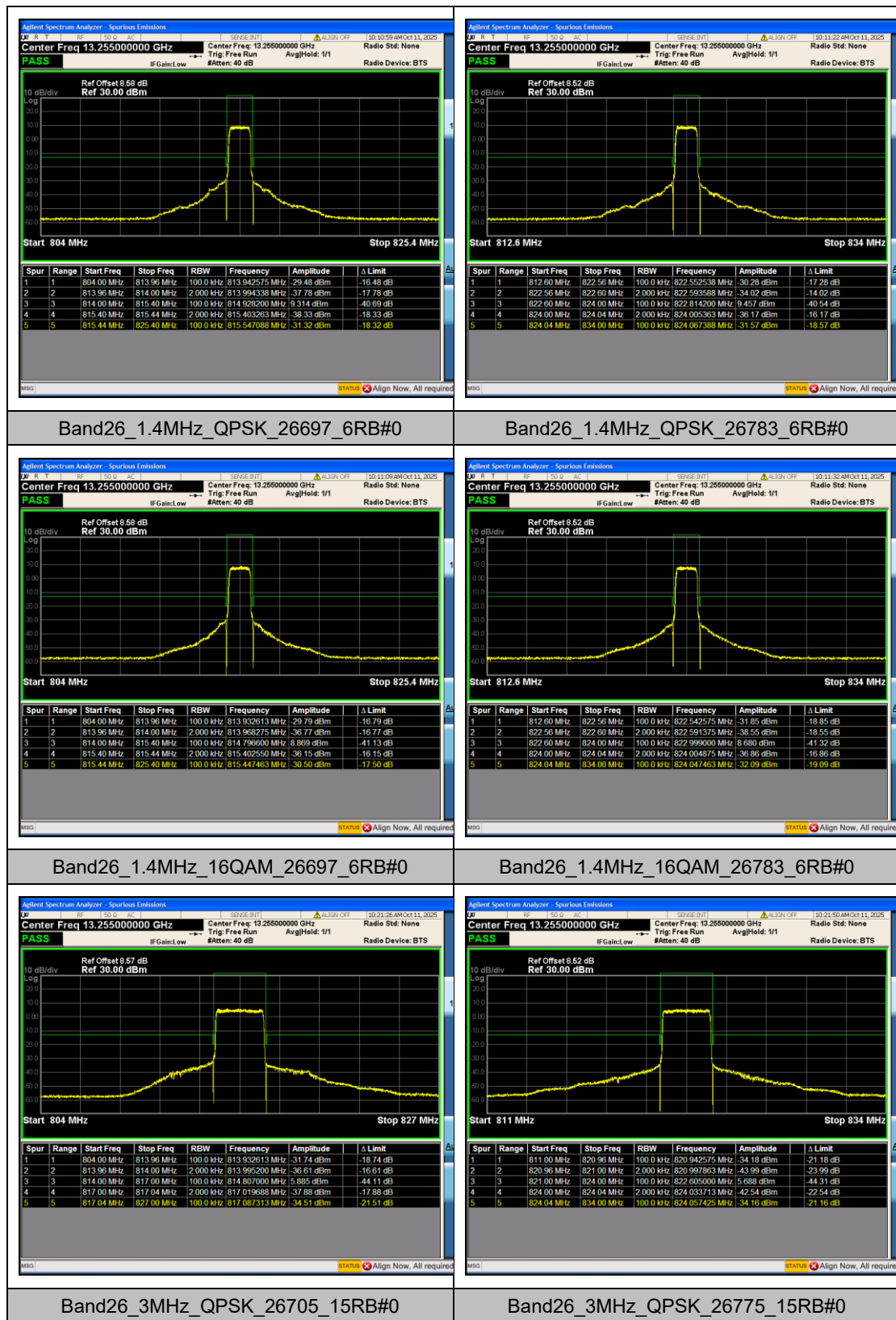


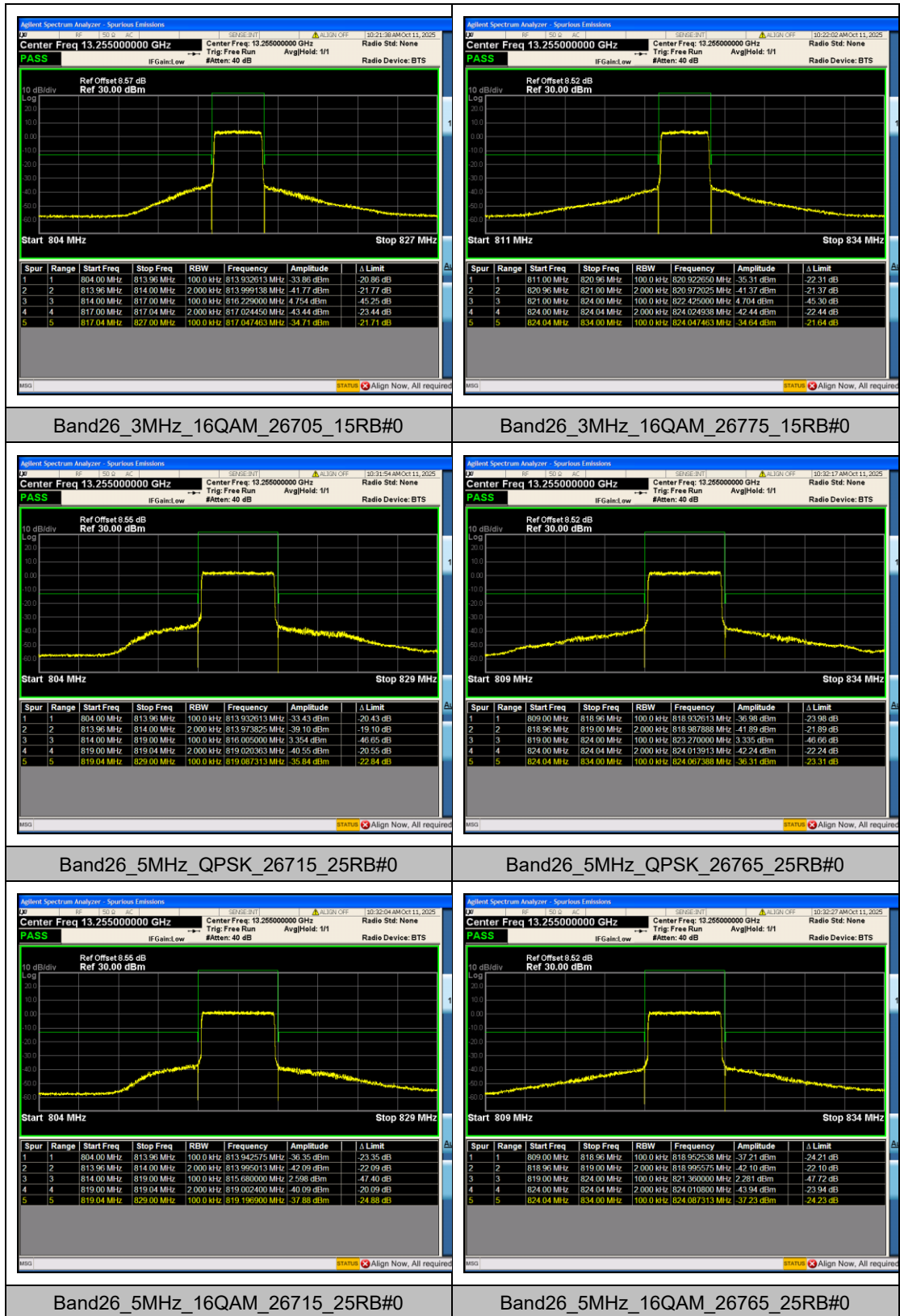
Appendix D: Band Edge

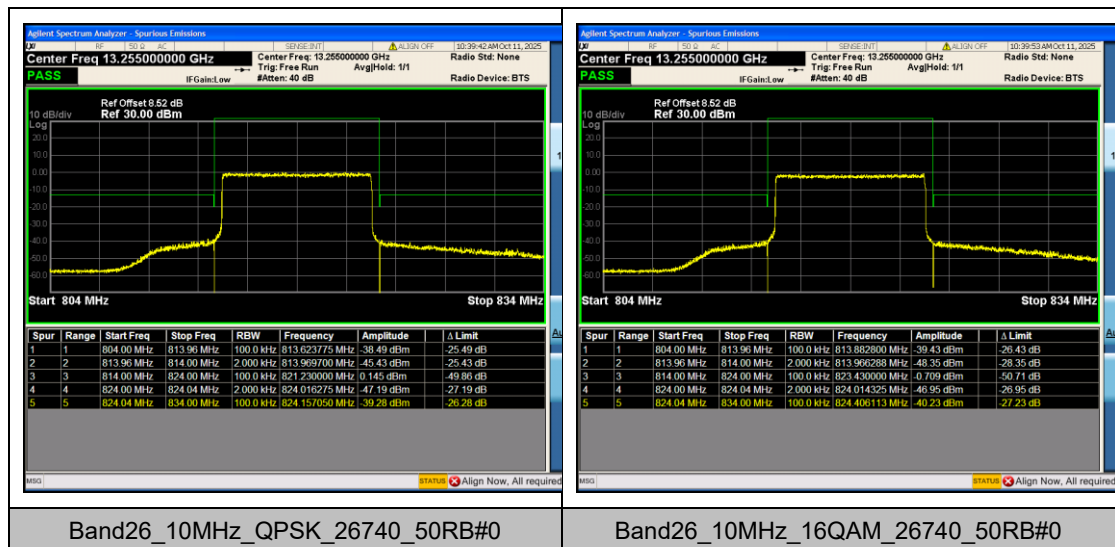
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	-29.48	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	-34.02	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	-36.15	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	-36.86	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	-36.61	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	-34.16	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	-33.86	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	-41.37	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	-39.10	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	-41.89	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	-40.09	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	-42.10	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	-45.43	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	-39.43	PASS

Test Graphs







Appendix E: 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	-43.29	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	0.15~30	-54.59	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	30~1000	-49.84	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	1000~3000	-46.71	PASS
Band26(814-824)	1.4MHz	QPSK	26697	6RB#0	3000~10000	-43.63	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	0.009~0.15	-41.86	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	0.15~30	-51.87	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	30~1000	-49.81	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	1000~3000	-46.56	PASS
Band26(814-824)	1.4MHz	QPSK	26740	6RB#0	3000~10000	-43.45	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	0.009~0.15	-41.07	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	0.15~30	-53.45	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	30~1000	-48.08	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	1000~3000	-46.73	PASS
Band26(814-824)	1.4MHz	QPSK	26783	6RB#0	3000~10000	-43.56	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	0.009~0.15	-43.62	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	0.15~30	-52.79	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	30~1000	-51.27	PASS

Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	1000~3000	-46.55	PASS
Band26(814-824)	1.4MHz	16QAM	26697	6RB#0	3000~1000 0	-43.43	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	0.009~0.15	-43.51	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	0.15~30	-51.98	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	30~1000	-49.35	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	1000~3000	-46.90	PASS
Band26(814-824)	1.4MHz	16QAM	26740	6RB#0	3000~1000 0	-43.89	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	0.009~0.15	-39.35	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	0.15~30	-54.37	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	30~1000	-49.76	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	1000~3000	-46.57	PASS
Band26(814-824)	1.4MHz	16QAM	26783	6RB#0	3000~1000 0	-43.63	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	0.009~0.15	-44.79	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	0.15~30	-52.26	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	30~1000	-51.39	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	1000~3000	-46.32	PASS
Band26(814-824)	3MHz	QPSK	26705	15RB#0	3000~1000 0	-43.87	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	0.009~0.15	-42.12	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	0.15~30	-54.30	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	30~1000	-50.42	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	1000~3000	-46.84	PASS
Band26(814-824)	3MHz	QPSK	26740	15RB#0	3000~1000 0	-43.84	PASS

Band26(814-824)	3MHz	QPSK	26775	15RB#0	0.009~0.15	-40.08	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	0.15~30	-54.76	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	30~1000	-51.45	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	1000~3000	-46.85	PASS
Band26(814-824)	3MHz	QPSK	26775	15RB#0	3000~10000	-44.04	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	0.009~0.15	-42.23	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	0.15~30	-54.05	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	30~1000	-53.23	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	1000~3000	-46.34	PASS
Band26(814-824)	3MHz	16QAM	26705	15RB#0	3000~10000	-43.68	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	0.009~0.15	-42.37	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	0.15~30	-54.43	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	30~1000	-52.27	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	1000~3000	-46.65	PASS
Band26(814-824)	3MHz	16QAM	26740	15RB#0	3000~10000	-43.76	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	0.009~0.15	-44.55	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	0.15~30	-53.63	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	30~1000	-52.72	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	1000~3000	-46.90	PASS
Band26(814-824)	3MHz	16QAM	26775	15RB#0	3000~10000	-43.97	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	0.009~0.15	-40.73	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	0.15~30	-52.28	PASS

Band26(814-824)	5MHz	QPSK	26715	25RB#0	30~1000	-53.68	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	1000~3000	-46.38	PASS
Band26(814-824)	5MHz	QPSK	26715	25RB#0	3000~1000 0	-43.68	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	0.009~0.15	-42.18	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	0.15~30	-53.26	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	30~1000	-53.68	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	1000~3000	-46.71	PASS
Band26(814-824)	5MHz	QPSK	26740	25RB#0	3000~1000 0	-43.91	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	0.009~0.15	-41.77	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	0.15~30	-54.74	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	30~1000	-53.81	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	1000~3000	-46.67	PASS
Band26(814-824)	5MHz	QPSK	26765	25RB#0	3000~1000 0	-43.77	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	0.009~0.15	-39.35	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	0.15~30	-52.05	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	30~1000	-55.83	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	1000~3000	-46.66	PASS
Band26(814-824)	5MHz	16QAM	26715	25RB#0	3000~1000 0	-43.28	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	0.009~0.15	-43.29	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	0.15~30	-51.85	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	30~1000	-53.81	PASS
Band26(814-824)	5MHz	16QAM	26740	25RB#0	1000~3000	-46.59	PASS

Band26(814-824)	5MHz	16QAM	26740	25RB#0	3000~1000 0	-44.00	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	0.009~0.15	-42.14	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	0.15~30	-53.11	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	30~1000	-54.94	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	1000~3000	-46.43	PASS
Band26(814-824)	5MHz	16QAM	26765	25RB#0	3000~1000 0	-43.23	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	0.009~0.15	-41.32	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	0.15~30	-54.15	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	30~1000	-55.74	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	1000~3000	-46.47	PASS
Band26(814-824)	10MHz	QPSK	26740	50RB#0	3000~1000 0	-43.82	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	0.009~0.15	-39.97	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	0.15~30	-51.43	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	30~1000	-57.95	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	1000~3000	-46.75	PASS
Band26(814-824)	10MHz	16QAM	26740	50RB#0	3000~1000 0	-43.22	PASS

Test Graphs

