

FCC Appendix RF Test Data for LTE Band 18-1

FCC ID : 2A3DR-AGMN2

Company : AGM MOBILE LIMITED

EUT : 4G smart Phone

Model Number : AGM_NOTE_N2

Report No. : CTA26041102308

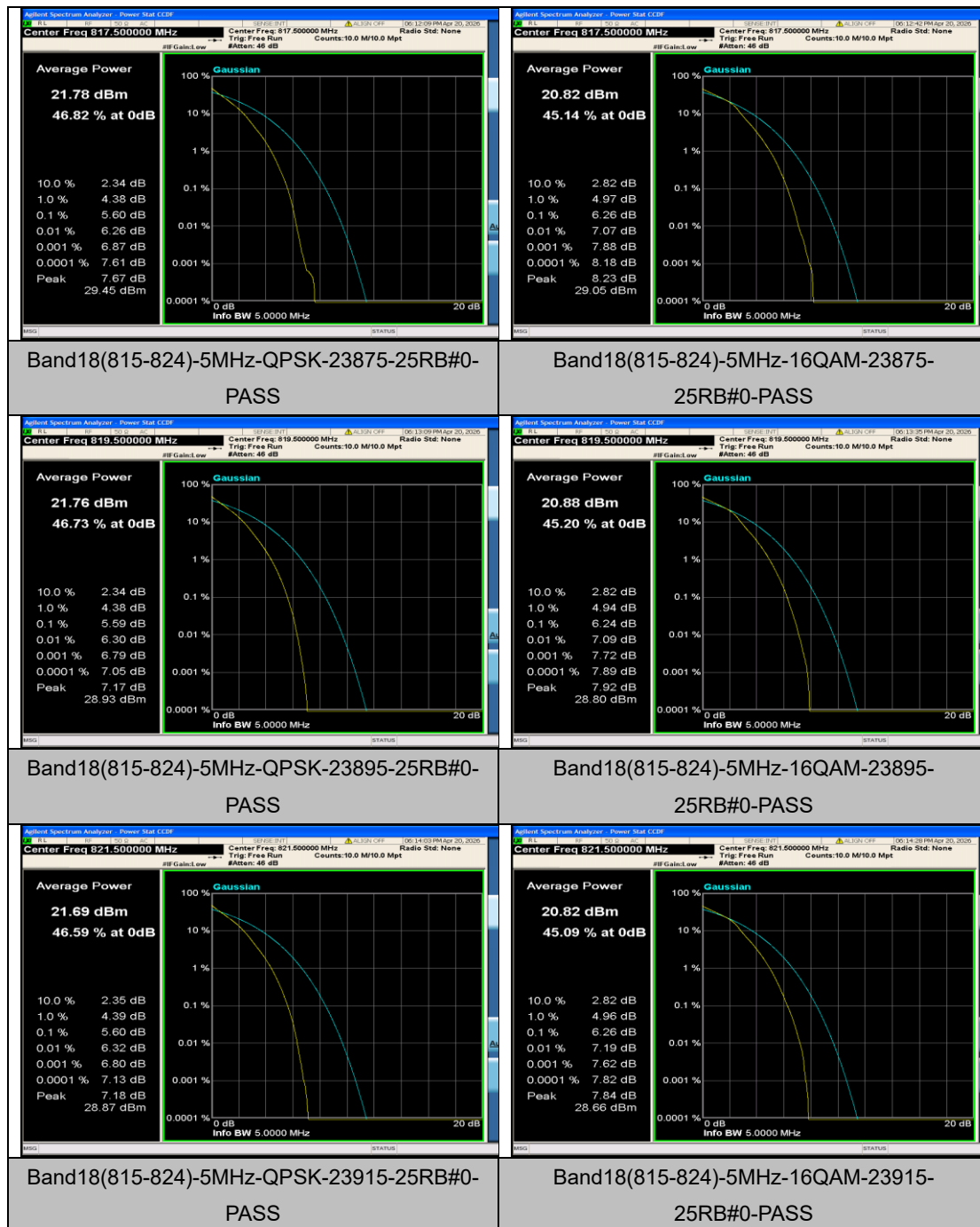
Reviewed By : Eric Wang

Appendix A: 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	5.60	13	PASS
Band18(815-824)	5MHz	16QAM	23875	25RB#0	6.26	13	PASS
Band18(815-824)	5MHz	QPSK	23895	25RB#0	5.59	13	PASS
Band18(815-824)	5MHz	16QAM	23895	25RB#0	6.24	13	PASS
Band18(815-824)	5MHz	QPSK	23915	25RB#0	5.60	13	PASS
Band18(815-824)	5MHz	16QAM	23915	25RB#0	6.26	13	PASS

Test Graphs

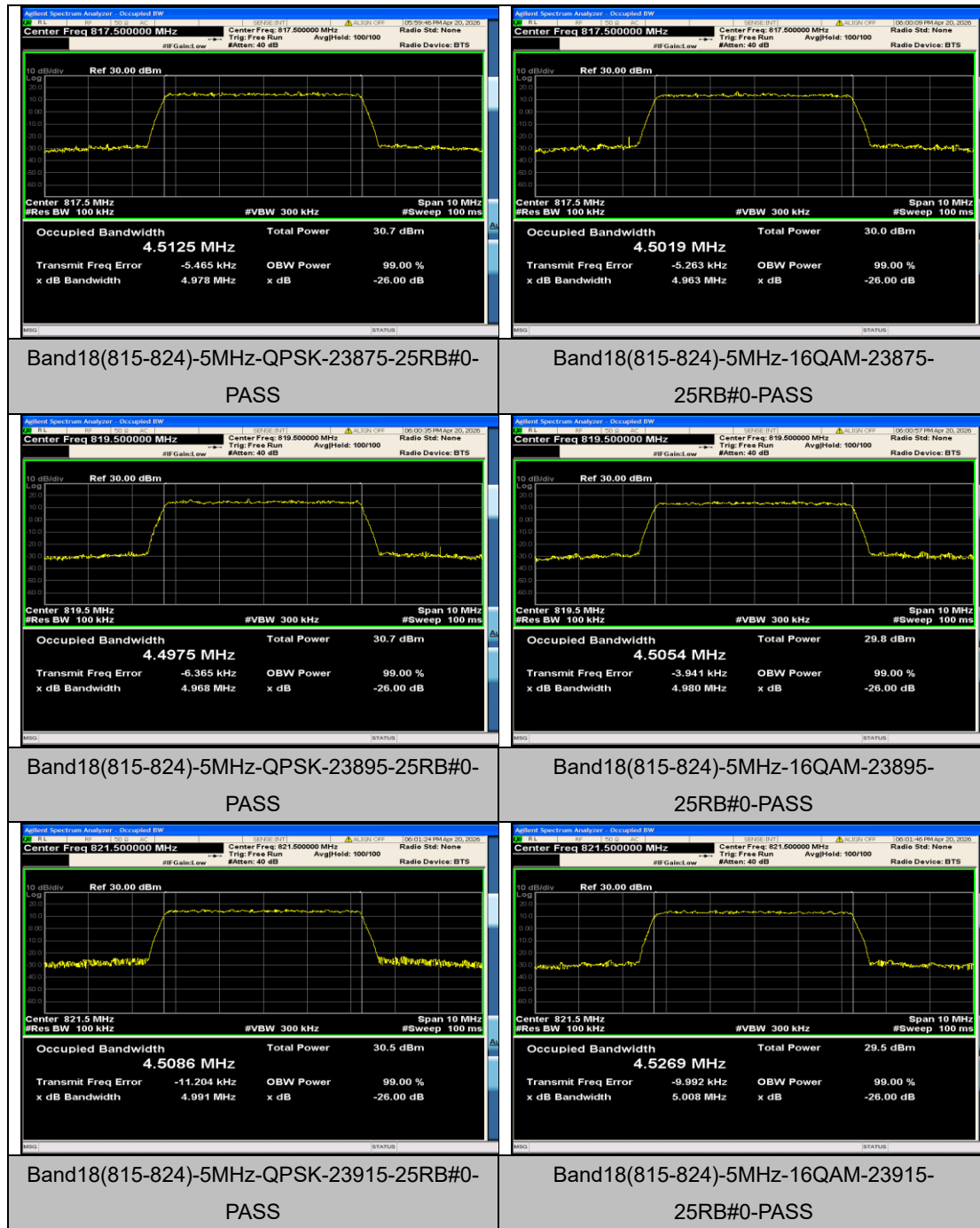


Appendix B: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band18(815-824)	5MHz	QPSK	23875	25RB#0	4.5125	4.978	PASS
Band18(815-824)	5MHz	16QAM	23875	25RB#0	4.5019	4.963	PASS
Band18(815-824)	5MHz	QPSK	23895	25RB#0	4.4975	4.968	PASS
Band18(815-824)	5MHz	16QAM	23895	25RB#0	4.5054	4.980	PASS
Band18(815-824)	5MHz	QPSK	23915	25RB#0	4.5086	4.991	PASS
Band18(815-824)	5MHz	16QAM	23915	25RB#0	4.5269	5.008	PASS

Test Graphs

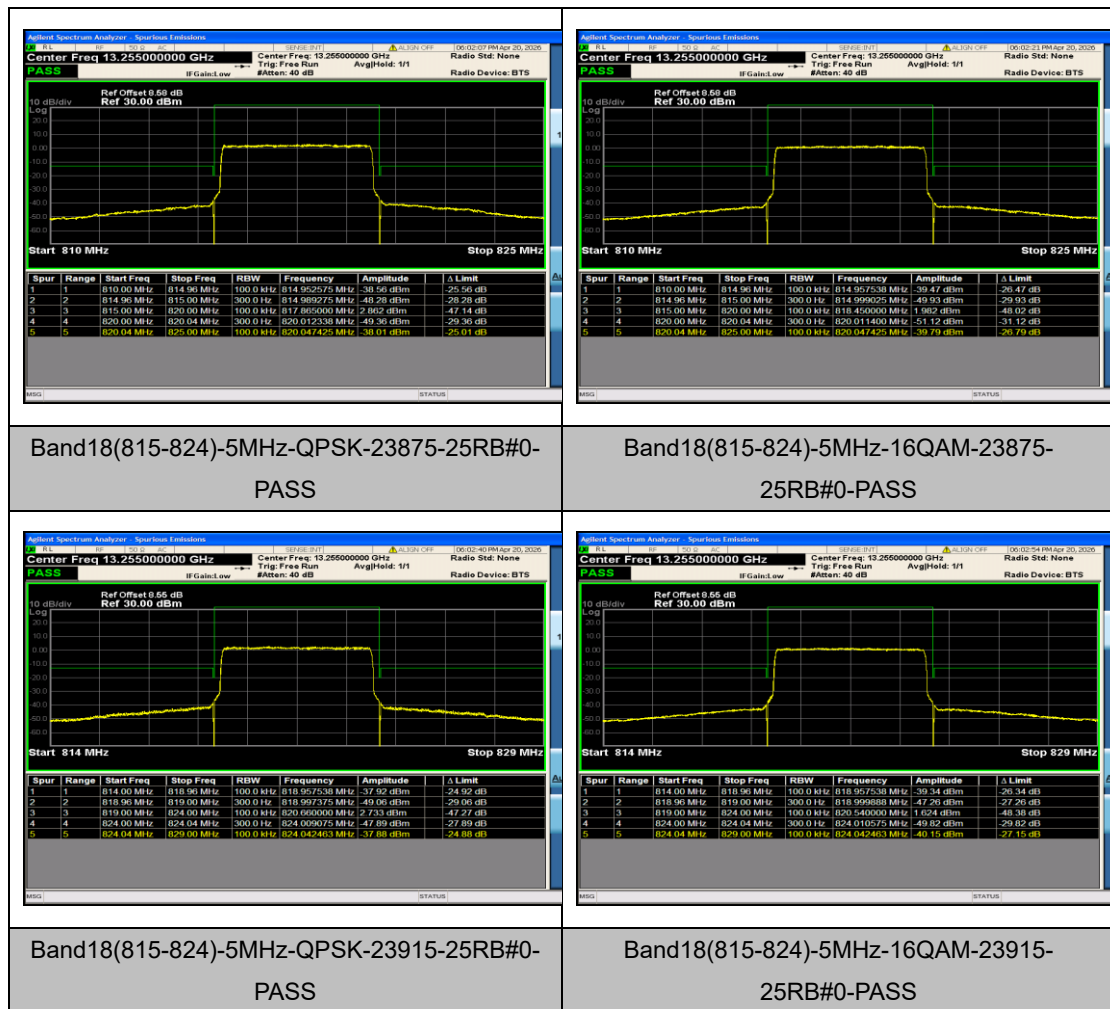


Appendix C: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band18(815-824)	5MHz	QPSK	23875	25RB#0	-38.01	PASS
Band18(815-824)	5MHz	16QAM	23875	25RB#0	-39.47	PASS
Band18(815-824)	5MHz	QPSK	23915	25RB#0	-37.88	PASS
Band18(815-824)	5MHz	16QAM	23915	25RB#0	-39.34	PASS

Test Graphs



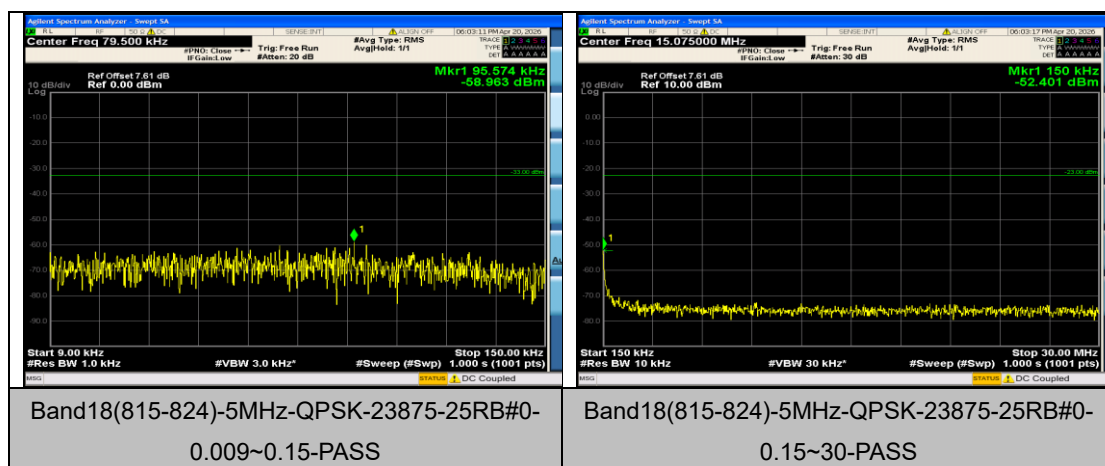
Appendix D: Conducted Spurious Emission

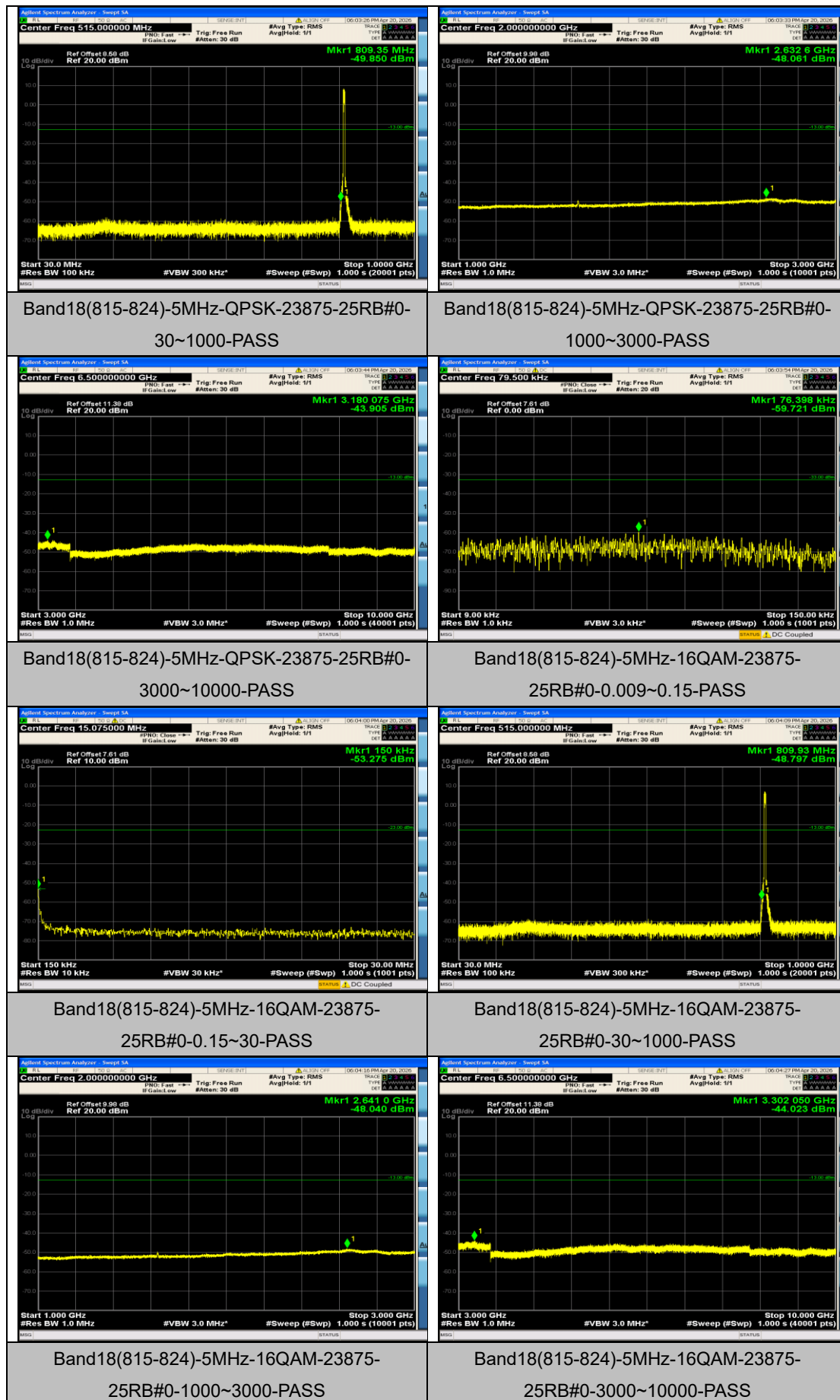
Test Result

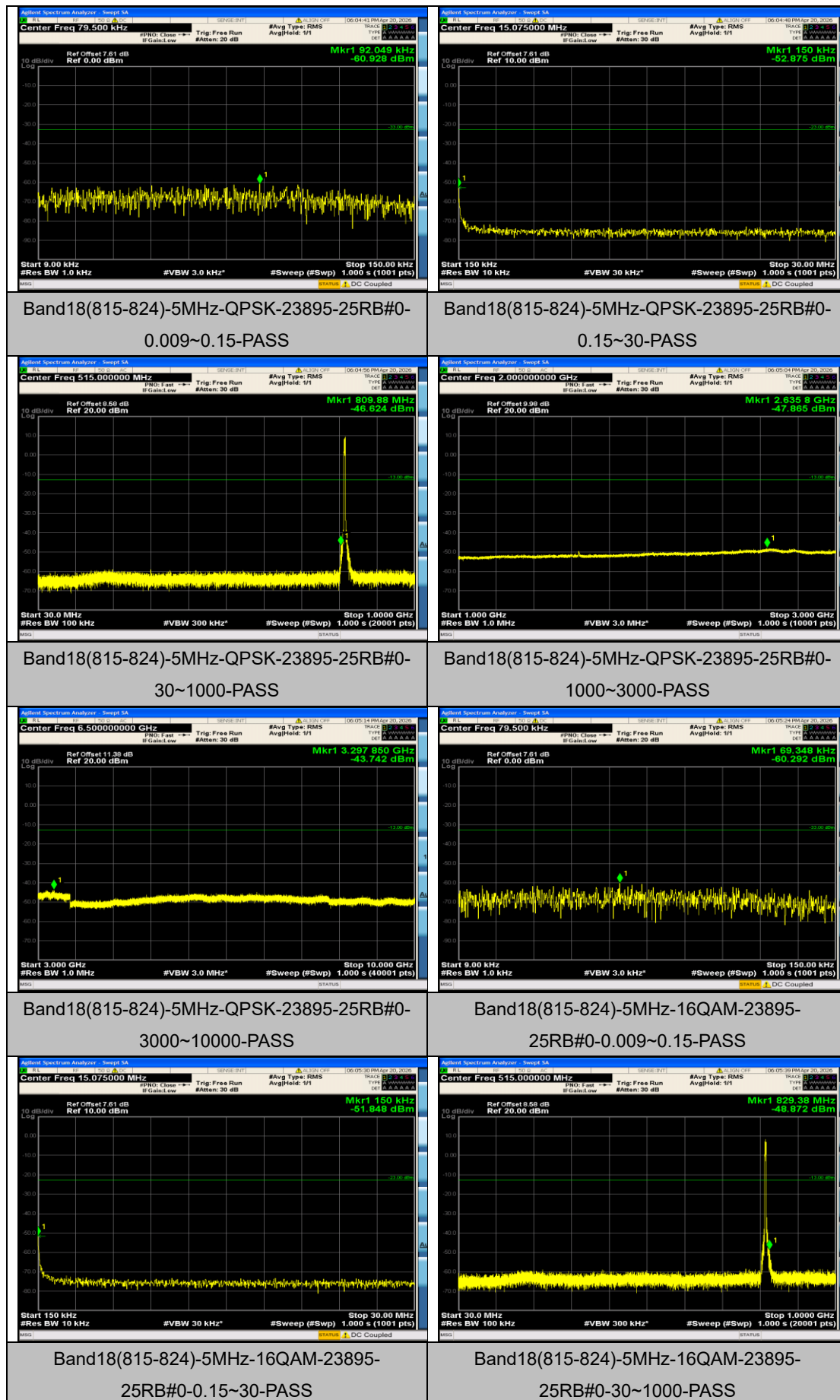
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band18(815-824)	5MHz	QPSK	23875	25RB#0	0.009~0.15	-58.96	PASS
Band18(815-824)	5MHz	QPSK	23875	25RB#0	0.15~30	-52.40	PASS
Band18(815-824)	5MHz	QPSK	23875	25RB#0	30~1000	-49.85	PASS
Band18(815-824)	5MHz	QPSK	23875	25RB#0	1000~3000	-48.06	PASS
Band18(815-824)	5MHz	QPSK	23875	25RB#0	3000~10000	-43.91	PASS
Band18(815-824)	5MHz	16QAM	23875	25RB#0	0.009~0.15	-59.72	PASS
Band18(815-824)	5MHz	16QAM	23875	25RB#0	0.15~30	-53.28	PASS
Band18(815-824)	5MHz	16QAM	23875	25RB#0	30~1000	-48.80	PASS
Band18(815-824)	5MHz	16QAM	23875	25RB#0	1000~3000	-48.04	PASS
Band18(815-824)	5MHz	16QAM	23875	25RB#0	3000~10000	-44.02	PASS
Band18(815-824)	5MHz	QPSK	23895	25RB#0	0.009~0.15	-60.93	PASS
Band18(815-824)	5MHz	QPSK	23895	25RB#0	0.15~30	-52.88	PASS
Band18(815-824)	5MHz	QPSK	23895	25RB#0	30~1000	-46.62	PASS
Band18(815-824)	5MHz	QPSK	23895	25RB#0	1000~3000	-47.87	PASS
Band18(815-824)	5MHz	QPSK	23895	25RB#0	3000~10000	-43.74	PASS
Band18(815-824)	5MHz	16QAM	23895	25RB#0	0.009~0.15	-60.29	PASS
Band18(815-824)	5MHz	16QAM	23895	25RB#0	0.15~30	-51.85	PASS
Band18(815-824)	5MHz	16QAM	23895	25RB#0	30~1000	-48.87	PASS

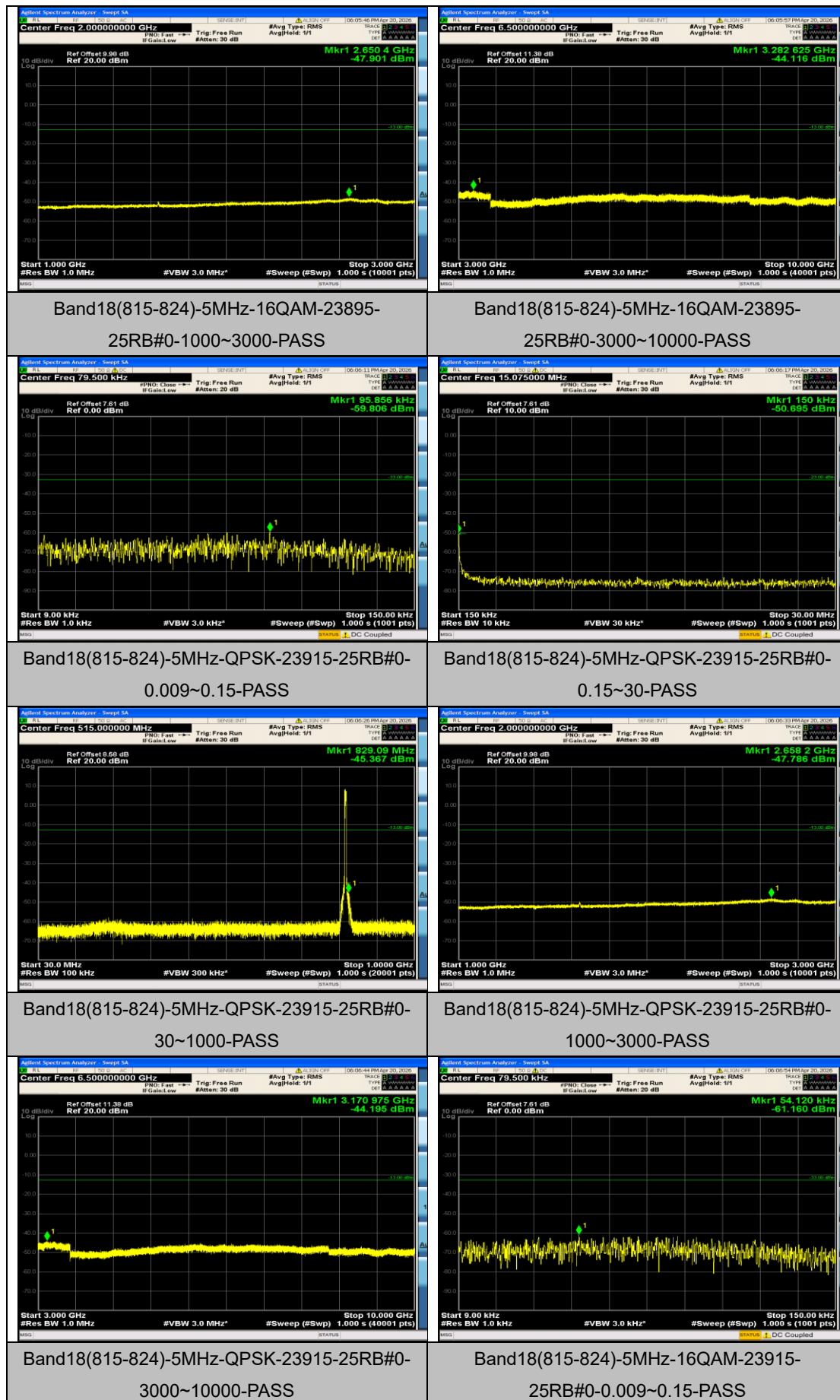
824)							
Band18(815-824)	5MHz	16QAM	23895	25RB#0	1000~3000	-47.90	PASS
Band18(815-824)	5MHz	16QAM	23895	25RB#0	3000~10000	-44.12	PASS
Band18(815-824)	5MHz	QPSK	23915	25RB#0	0.009~0.15	-59.81	PASS
Band18(815-824)	5MHz	QPSK	23915	25RB#0	0.15~30	-50.70	PASS
Band18(815-824)	5MHz	QPSK	23915	25RB#0	30~1000	-45.37	PASS
Band18(815-824)	5MHz	QPSK	23915	25RB#0	1000~3000	-47.79	PASS
Band18(815-824)	5MHz	QPSK	23915	25RB#0	3000~10000	-44.20	PASS
Band18(815-824)	5MHz	16QAM	23915	25RB#0	0.009~0.15	-61.16	PASS
Band18(815-824)	5MHz	16QAM	23915	25RB#0	0.15~30	-51.55	PASS
Band18(815-824)	5MHz	16QAM	23915	25RB#0	30~1000	-46.34	PASS
Band18(815-824)	5MHz	16QAM	23915	25RB#0	1000~3000	-47.84	PASS
Band18(815-824)	5MHz	16QAM	23915	25RB#0	3000~10000	-43.82	PASS

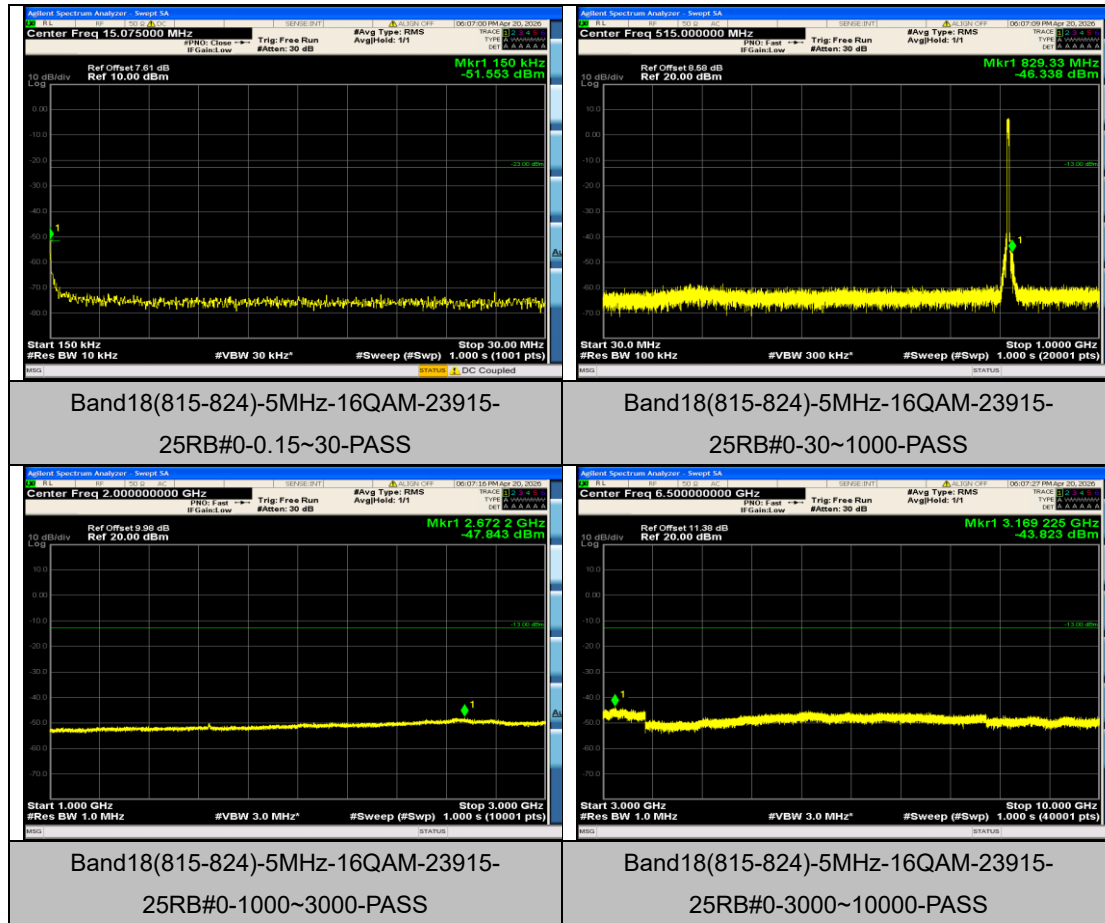
Test Graphs











Appendix E: Frequency Stability

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band18 (815-824)	5MHz	QPSK	23875	25RB#0	NV	-30	9.06	0.011083	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23875	25RB#0	NV	-20	9.33	0.011413	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23875	25RB#0	NV	-10	10.26	0.012550	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23875	25RB#0	NV	0	12.87	0.015743	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23875	25RB#0	NV	10	10.86	0.013284	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23875	25RB#0	NV	20	11.19	0.013688	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23875	25RB#0	NV	30	11.24	0.013749	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23875	25RB#0	NV	40	10.63	0.013003	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23875	25RB#0	NV	50	12.55	0.015352	±2.5	PASS
Band18 (815-824)	5MHz	16QAM	23875	25RB#0	NV	-30	9.53	0.011657	±2.5	PASS
Band18 (815-824)	5MHz	16QAM	23875	25RB#0	NV	-20	9.06	0.011083	±2.5	PASS
Band18 (815-824)	5MHz	16QAM	23875	25RB#0	NV	-10	9.54	0.011670	±2.5	PASS
Band18	5MHz	16QAM	23875	25RB#0	NV	0	9.36	0.011450	±2.5	PASS

(815-824)										
Band18 (815-824)	5MHz	16QAM	23875	25RB#0	NV	10	8.31	0.010165	±2.5	PASS
Band18 (815-824)	5MHz	16QAM	23875	25RB#0	NV	20	6.65	0.008135	±2.5	PASS
Band18 (815-824)	5MHz	16QAM	23875	25RB#0	NV	30	7.05	0.008624	±2.5	PASS
Band18 (815-824)	5MHz	16QAM	23875	25RB#0	NV	40	10.89	0.013321	±2.5	PASS
Band18 (815-824)	5MHz	16QAM	23875	25RB#0	NV	50	6.79	0.008306	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23895	25RB#0	NV	-30	-3.91	-0.004771	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23895	25RB#0	NV	-20	2.96	0.003612	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23895	25RB#0	NV	-10	-2.50	-0.003051	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23895	25RB#0	NV	0	3.36	0.004100	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23895	25RB#0	NV	10	4.94	0.006028	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23895	25RB#0	NV	20	3.58	0.004369	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23895	25RB#0	NV	30	4.12	0.005027	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23895	25RB#0	NV	40	3.91	0.004771	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23895	25RB#0	NV	50	3.88	0.004735	±2.5	PASS

824)										
Band18 (815- 824)	5MHz	16QAM	23895	25RB#0	NV	-30	-2.39	-0.002916	±2.5	PASS
Band18 (815- 824)	5MHz	16QAM	23895	25RB#0	NV	-20	-2.65	-0.003234	±2.5	PASS
Band18 (815- 824)	5MHz	16QAM	23895	25RB#0	NV	-10	-3.13	-0.003819	±2.5	PASS
Band18 (815- 824)	5MHz	16QAM	23895	25RB#0	NV	0	-4.42	-0.005394	±2.5	PASS
Band18 (815- 824)	5MHz	16QAM	23895	25RB#0	NV	10	-4.41	-0.005381	±2.5	PASS
Band18 (815- 824)	5MHz	16QAM	23895	25RB#0	NV	20	-3.82	-0.004661	±2.5	PASS
Band18 (815- 824)	5MHz	16QAM	23895	25RB#0	NV	30	-3.98	-0.004857	±2.5	PASS
Band18 (815- 824)	5MHz	16QAM	23895	25RB#0	NV	40	-4.56	-0.005564	±2.5	PASS
Band18 (815- 824)	5MHz	16QAM	23895	25RB#0	NV	50	-3.98	-0.004857	±2.5	PASS
Band18 (815- 824)	5MHz	QPSK	23915	25RB#0	NV	-30	6.49	0.007900	±2.5	PASS
Band18 (815- 824)	5MHz	QPSK	23915	25RB#0	NV	-20	7.51	0.009142	±2.5	PASS
Band18 (815- 824)	5MHz	QPSK	23915	25RB#0	NV	-10	8.67	0.010554	±2.5	PASS
Band18 (815- 824)	5MHz	QPSK	23915	25RB#0	NV	0	9.86	0.012002	±2.5	PASS
Band18 (815- 824)	5MHz	QPSK	23915	25RB#0	NV	10	9.87	0.012015	±2.5	PASS

Band18 (815-824)	5MHz	QPSK	23915	25RB#0	NV	20	8.35	0.010164	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23915	25RB#0	NV	30	8.33	0.010140	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23915	25RB#0	NV	40	11.62	0.014145	±2.5	PASS
Band18 (815-824)	5MHz	QPSK	23915	25RB#0	NV	50	11.52	0.014023	±2.5	PASS
Band18 (815-824)	5MHz	16QAM	23915	25RB#0	NV	-30	7.42	0.009032	±2.5	PASS
Band18 (815-824)	5MHz	16QAM	23915	25RB#0	NV	-20	7.58	0.009227	±2.5	PASS
Band18 (815-824)	5MHz	16QAM	23915	25RB#0	NV	-10	6.28	0.007645	±2.5	PASS
Band18 (815-824)	5MHz	16QAM	23915	25RB#0	NV	0	4.72	0.005746	±2.5	PASS
Band18 (815-824)	5MHz	16QAM	23915	25RB#0	NV	10	7.04	0.008570	±2.5	PASS
Band18 (815-824)	5MHz	16QAM	23915	25RB#0	NV	20	5.12	0.006233	±2.5	PASS
Band18 (815-824)	5MHz	16QAM	23915	25RB#0	NV	30	5.51	0.006707	±2.5	PASS
Band18 (815-824)	5MHz	16QAM	23915	25RB#0	NV	40	8.25	0.010043	±2.5	PASS
Band18 (815-824)	5MHz	16QAM	23915	25RB#0	NV	50	6.65	0.008095	±2.5	PASS