

FCC Appendix RF Test Data for LTE Band 18-2

FCC ID : 2A3DR-AGMN2

Company : AGM MOBILE LIMITED

EUT : 4G smart Phone

Model Number : AGM_NOTE_N2

Report No. : CTA26041102309

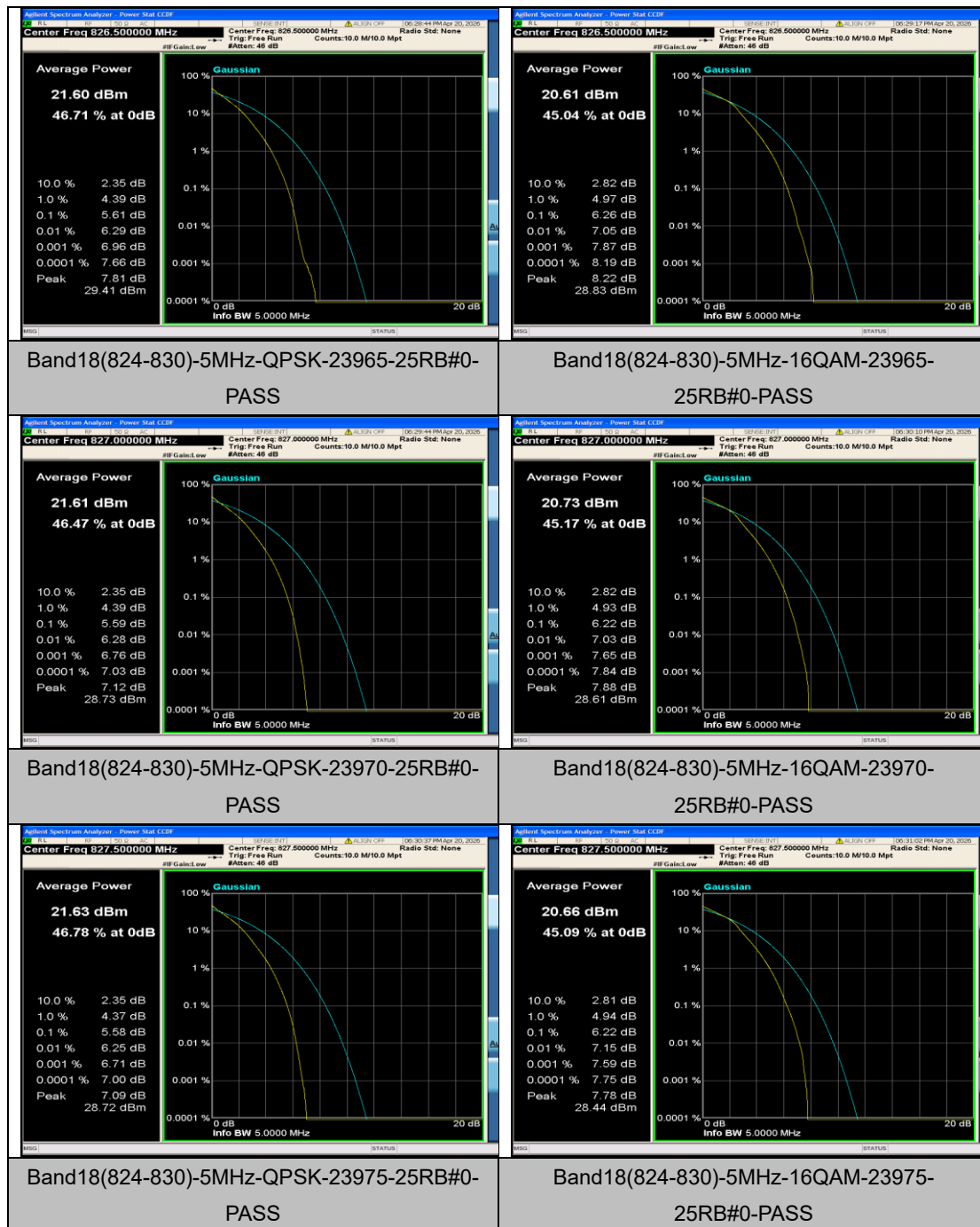
Reviewed By : Eric Wang

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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band18(824-830)	5MHz	QPSK	23965	25RB#0	5.61	13	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	6.26	13	PASS
Band18(824-830)	5MHz	QPSK	23970	25RB#0	5.59	13	PASS
Band18(824-830)	5MHz	16QAM	23970	25RB#0	6.22	13	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	5.58	13	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	6.22	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(824-830)	5MHz	QPSK	23965	25RB#0	4.5070	4.975	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	4.5047	4.959	PASS
Band18(824-830)	5MHz	QPSK	23970	25RB#0	4.5036	4.958	PASS
Band18(824-830)	5MHz	16QAM	23970	25RB#0	4.5123	4.993	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	4.5123	4.991	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	4.5255	5.006	PASS

Test Graphs

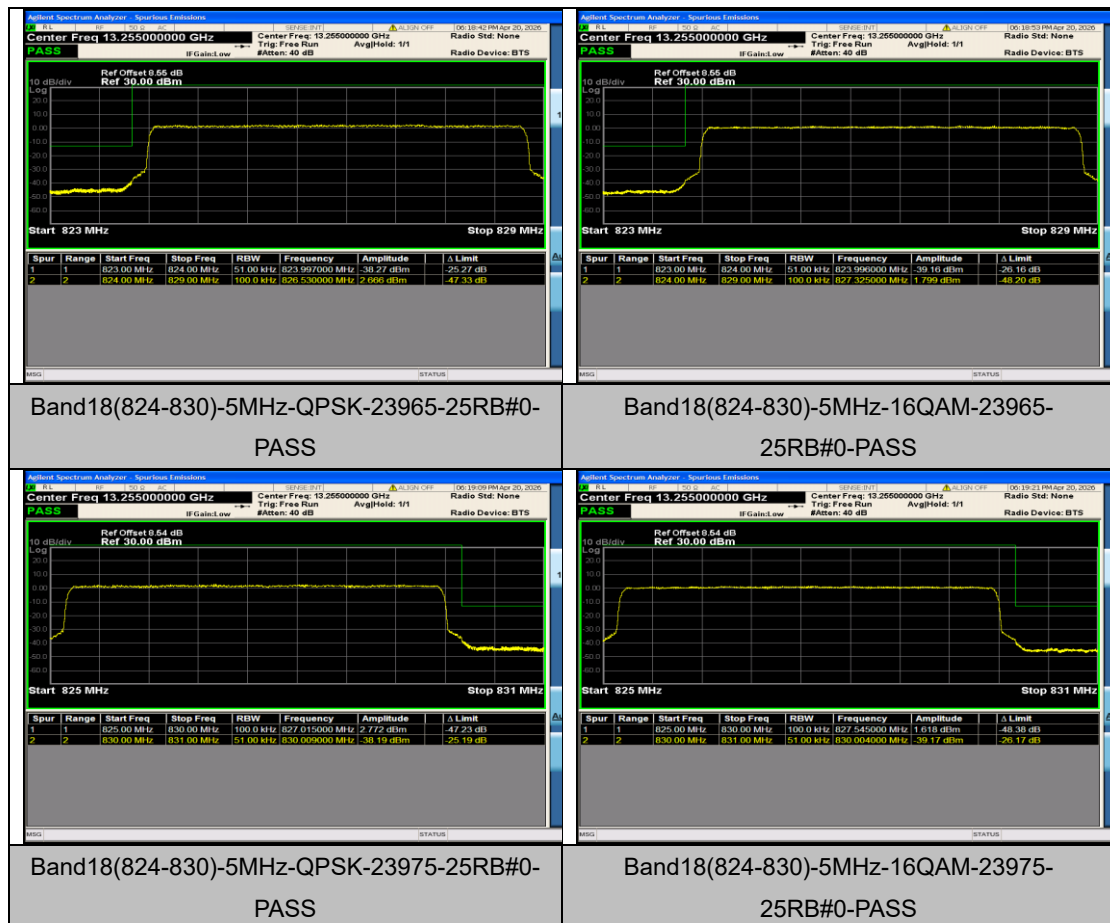


Appendix C: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band18(824-830)	5MHz	QPSK	23965	25RB#0	-38.27	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	-39.16	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	-38.19	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	-39.17	PASS

Test Graphs



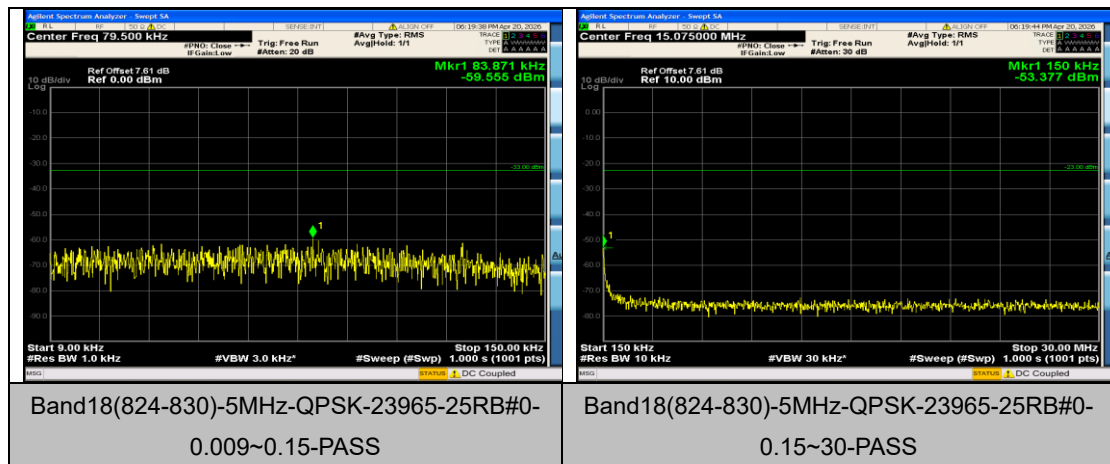
Appendix D: Conducted Spurious Emission

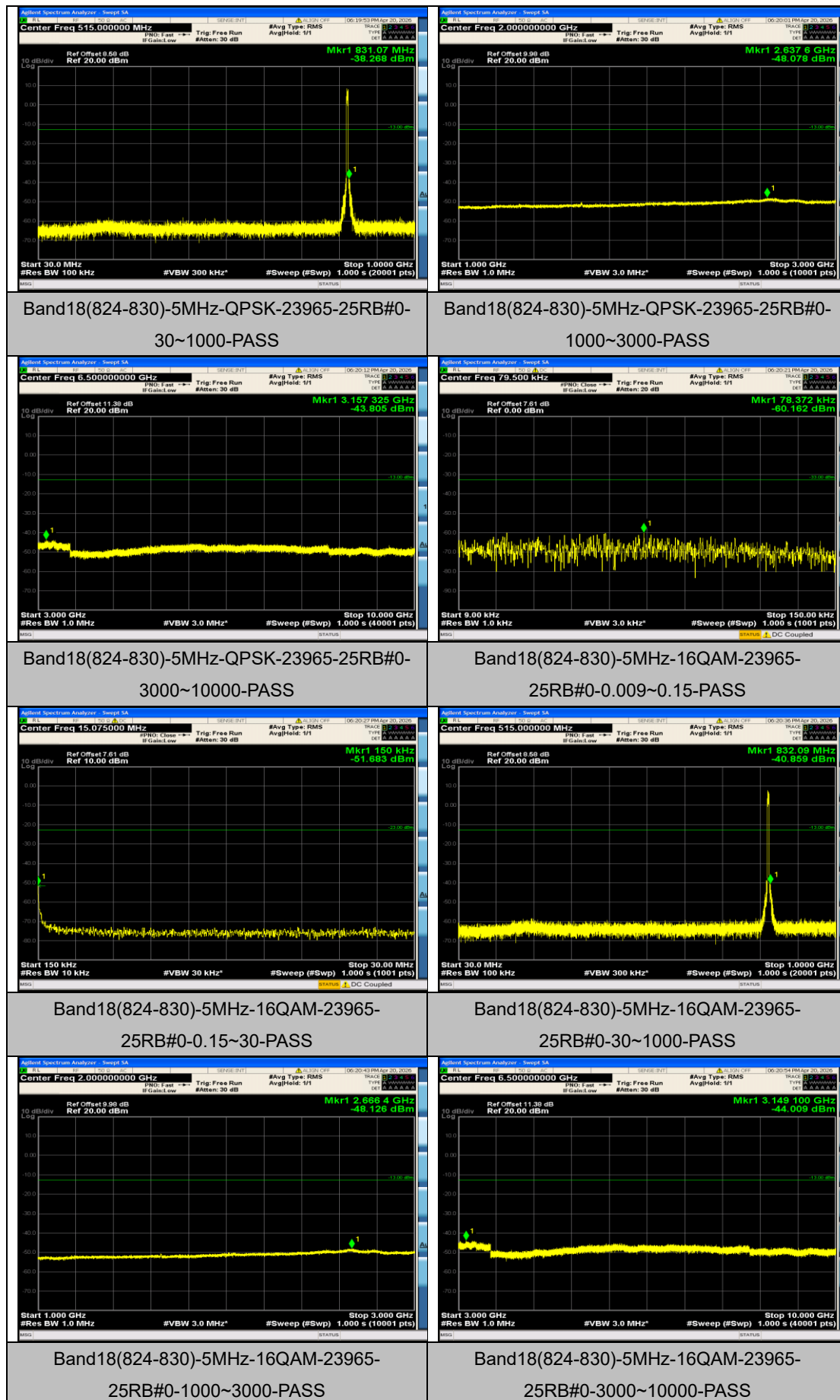
Test Result

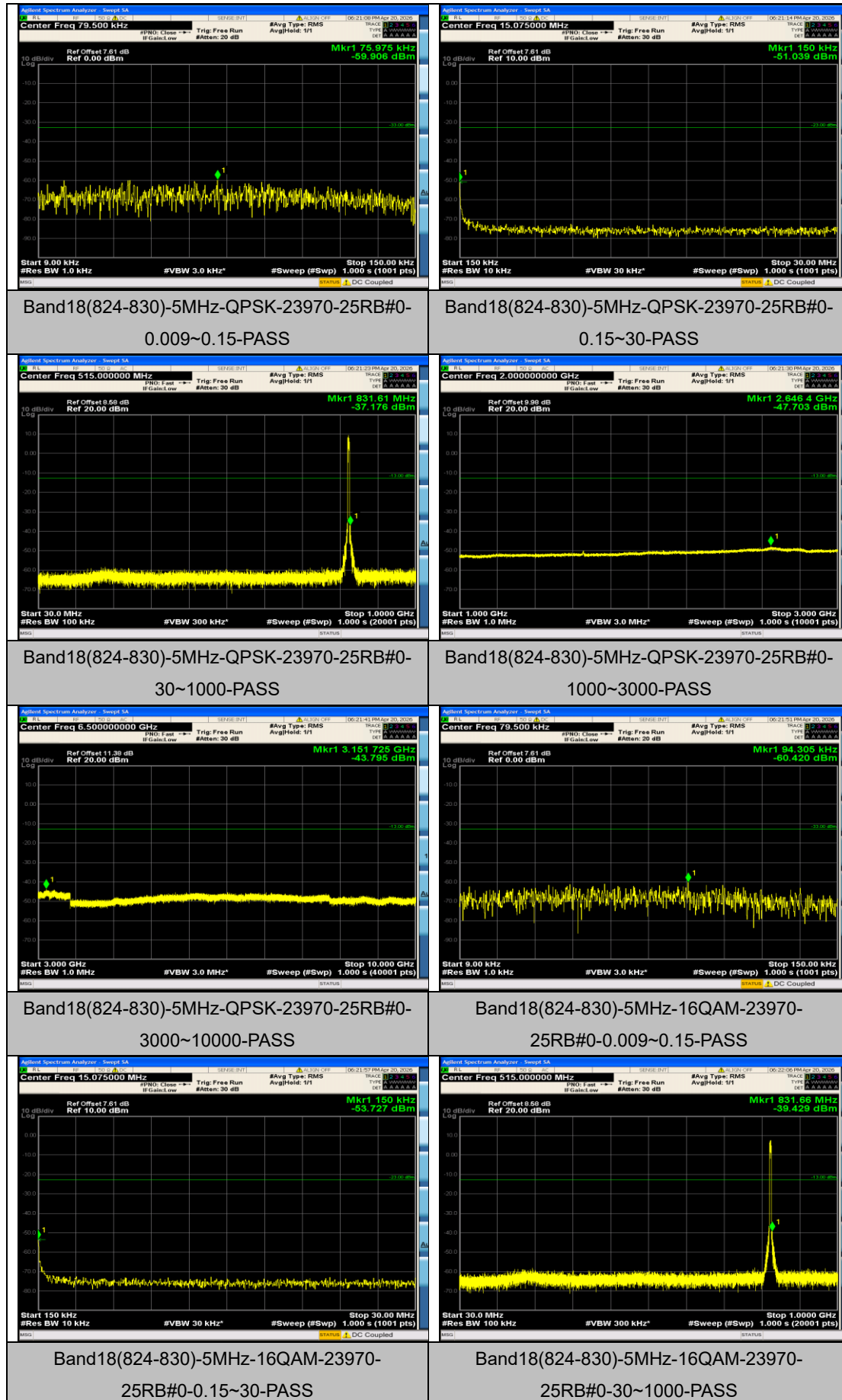
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band18(824-830)	5MHz	QPSK	23965	25RB#0	0.009~0.15	-59.56	PASS
Band18(824-830)	5MHz	QPSK	23965	25RB#0	0.15~30	-53.38	PASS
Band18(824-830)	5MHz	QPSK	23965	25RB#0	30~1000	-38.27	PASS
Band18(824-830)	5MHz	QPSK	23965	25RB#0	1000~3000	-48.08	PASS
Band18(824-830)	5MHz	QPSK	23965	25RB#0	3000~10000	-43.81	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	0.009~0.15	-60.16	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	0.15~30	-51.68	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	30~1000	-40.86	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	1000~3000	-48.13	PASS
Band18(824-830)	5MHz	16QAM	23965	25RB#0	3000~10000	-44.01	PASS
Band18(824-830)	5MHz	QPSK	23970	25RB#0	0.009~0.15	-59.91	PASS
Band18(824-830)	5MHz	QPSK	23970	25RB#0	0.15~30	-51.04	PASS
Band18(824-830)	5MHz	QPSK	23970	25RB#0	30~1000	-37.18	PASS
Band18(824-830)	5MHz	QPSK	23970	25RB#0	1000~3000	-47.70	PASS
Band18(824-830)	5MHz	QPSK	23970	25RB#0	3000~10000	-43.80	PASS
Band18(824-830)	5MHz	16QAM	23970	25RB#0	0.009~0.15	-60.42	PASS
Band18(824-830)	5MHz	16QAM	23970	25RB#0	0.15~30	-53.73	PASS
Band18(824-830)	5MHz	16QAM	23970	25RB#0	30~1000	-39.43	PASS

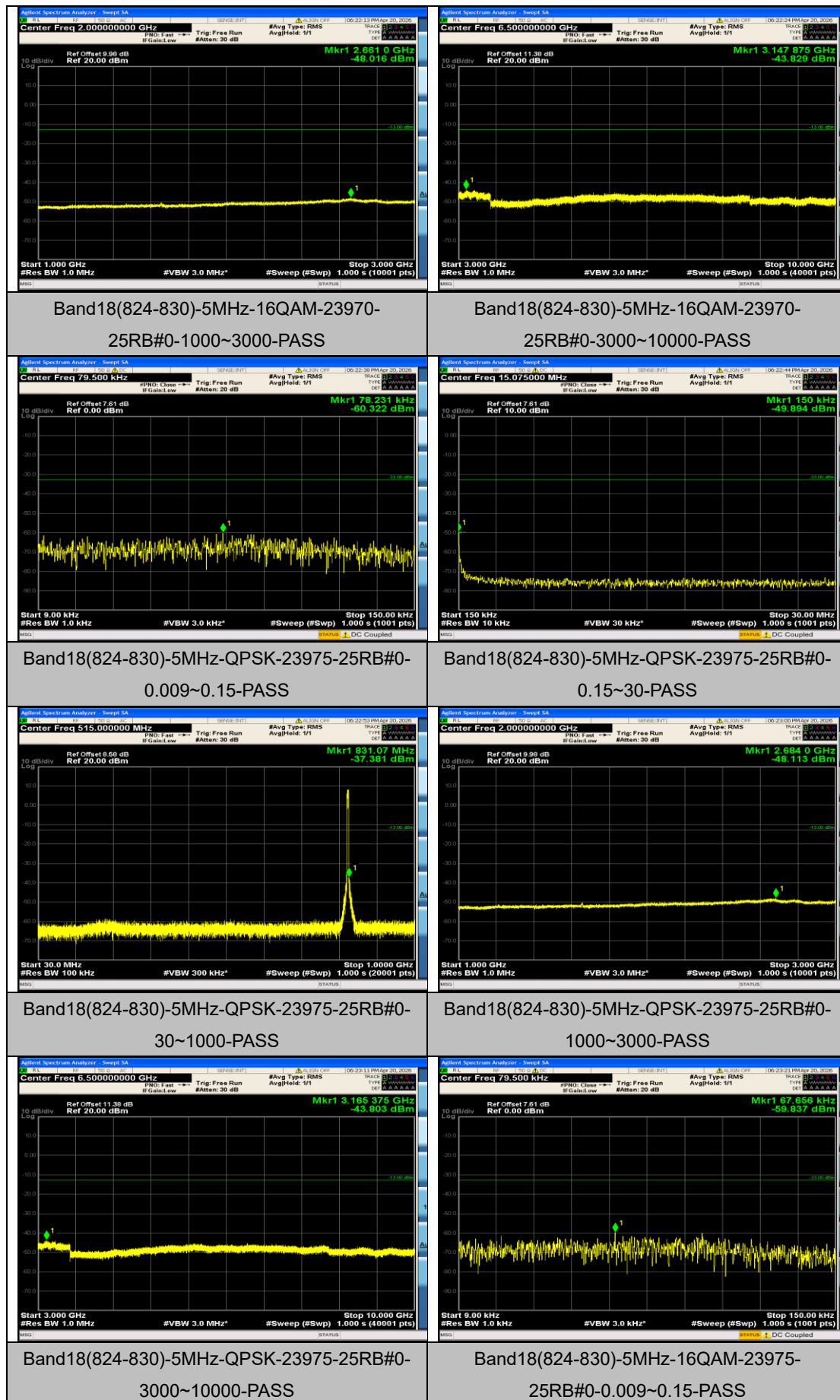
Band18(824-830)	5MHz	16QAM	23970	25RB#0	1000~3000	-48.02	PASS
Band18(824-830)	5MHz	16QAM	23970	25RB#0	3000~1000 0	-43.83	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	0.009~0.15	-60.32	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	0.15~30	-49.89	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	30~1000	-37.38	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	1000~3000	-48.11	PASS
Band18(824-830)	5MHz	QPSK	23975	25RB#0	3000~1000 0	-43.80	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	0.009~0.15	-59.84	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	0.15~30	-52.57	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	30~1000	-35.79	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	1000~3000	-47.66	PASS
Band18(824-830)	5MHz	16QAM	23975	25RB#0	3000~1000 0	-43.95	PASS

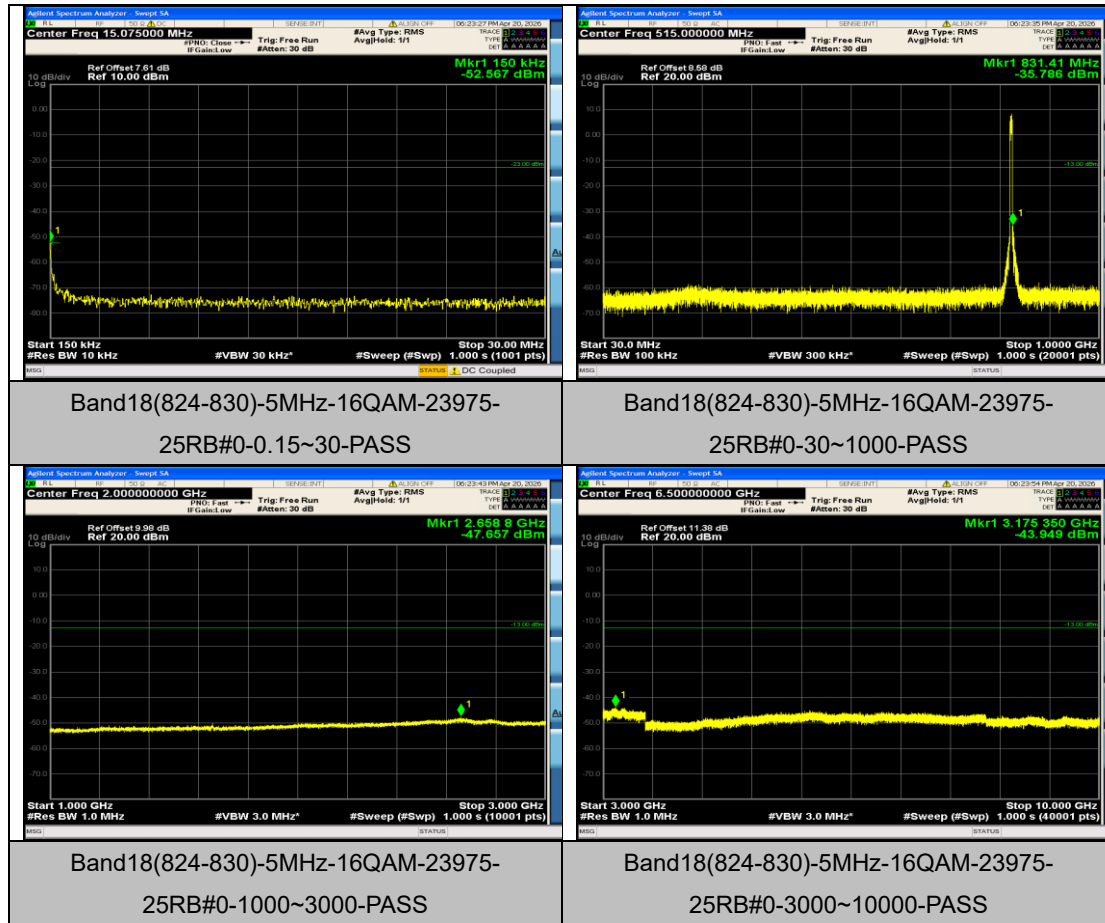
Test Graphs











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 (824-830)	5MHz	QPSK	23965	25RB#0	NV	-30	3.68	0.004453	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	NV	-20	8.00	0.009679	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	NV	-10	5.09	0.006158	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	NV	0	6.35	0.007683	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	NV	10	8.47	0.010248	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	NV	20	7.78	0.009413	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	NV	30	8.74	0.010575	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	NV	40	8.84	0.010696	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23965	25RB#0	NV	50	7.94	0.009607	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	NV	-30	4.19	0.005070	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	NV	-20	2.27	0.002747	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	NV	-10	2.35	0.002843	±2.5	PASS
Band18	5MHz	16QAM	23965	25RB#0	NV	0	3.56	0.004307	±2.5	PASS

(824-830)										
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	NV	10	-2.50	-0.003025	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	NV	20	2.36	0.002855	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	NV	30	2.19	0.002650	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	NV	40	3.43	0.004150	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23965	25RB#0	NV	50	2.02	0.002444	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	-30	2.66	0.003216	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	-20	6.41	0.007751	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	-10	5.14	0.006215	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	0	6.28	0.007594	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	10	5.55	0.006711	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	20	5.65	0.006832	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	30	7.11	0.008597	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	40	4.41	0.005333	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23970	25RB#0	NV	50	10.64	0.012866	±2.5	PASS

830)										
Band18 (824- 830)	5MHz	16QAM	23970	25RB#0	NV	-30	5.35	0.006469	±2.5	PASS
Band18 (824- 830)	5MHz	16QAM	23970	25RB#0	NV	-20	5.62	0.006796	±2.5	PASS
Band18 (824- 830)	5MHz	16QAM	23970	25RB#0	NV	-10	3.68	0.004450	±2.5	PASS
Band18 (824- 830)	5MHz	16QAM	23970	25RB#0	NV	0	2.62	0.003168	±2.5	PASS
Band18 (824- 830)	5MHz	16QAM	23970	25RB#0	NV	10	2.25	0.002721	±2.5	PASS
Band18 (824- 830)	5MHz	16QAM	23970	25RB#0	NV	20	-2.68	-0.003241	±2.5	PASS
Band18 (824- 830)	5MHz	16QAM	23970	25RB#0	NV	30	-2.62	-0.003168	±2.5	PASS
Band18 (824- 830)	5MHz	16QAM	23970	25RB#0	NV	40	-3.18	-0.003845	±2.5	PASS
Band18 (824- 830)	5MHz	16QAM	23970	25RB#0	NV	50	2.33	0.002817	±2.5	PASS
Band18 (824- 830)	5MHz	QPSK	23975	25RB#0	NV	-30	1.69	0.002042	±2.5	PASS
Band18 (824- 830)	5MHz	QPSK	23975	25RB#0	NV	-20	3.13	0.003782	±2.5	PASS
Band18 (824- 830)	5MHz	QPSK	23975	25RB#0	NV	-10	4.76	0.005752	±2.5	PASS
Band18 (824- 830)	5MHz	QPSK	23975	25RB#0	NV	0	8.35	0.010091	±2.5	PASS
Band18 (824- 830)	5MHz	QPSK	23975	25RB#0	NV	10	6.07	0.007335	±2.5	PASS

Band18 (824-830)	5MHz	QPSK	23975	25RB#0	NV	20	5.89	0.007118	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23975	25RB#0	NV	30	5.98	0.007227	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23975	25RB#0	NV	40	3.55	0.004290	±2.5	PASS
Band18 (824-830)	5MHz	QPSK	23975	25RB#0	NV	50	6.07	0.007335	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23975	25RB#0	NV	-30	-1.99	-0.002405	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23975	25RB#0	NV	-20	3.30	0.003988	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23975	25RB#0	NV	-10	-2.55	-0.003082	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23975	25RB#0	NV	0	-3.60	-0.004350	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23975	25RB#0	NV	10	-6.54	-0.007903	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23975	25RB#0	NV	20	1.90	0.002296	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23975	25RB#0	NV	30	-4.91	-0.005934	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23975	25RB#0	NV	40	-5.41	-0.006538	±2.5	PASS
Band18 (824-830)	5MHz	16QAM	23975	25RB#0	NV	50	-2.96	-0.003577	±2.5	PASS