

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Power(dBm)	ERP/EIRP (dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	24.31	21.68	PASS
Band14	5MHz	QPSK	23305	1RB#12	24.12	21.49	PASS
Band14	5MHz	QPSK	23305	1RB#24	24.35	21.72	PASS
Band14	5MHz	QPSK	23305	12RB#0	23.11	20.48	PASS
Band14	5MHz	QPSK	23305	12RB#6	23.11	20.48	PASS
Band14	5MHz	QPSK	23305	12RB#13	23.15	20.52	PASS
Band14	5MHz	QPSK	23305	25RB#0	23.20	20.57	PASS
Band14	5MHz	16QAM	23305	1RB#0	23.12	20.49	PASS
Band14	5MHz	16QAM	23305	1RB#12	23.03	20.4	PASS
Band14	5MHz	16QAM	23305	1RB#24	23.20	20.57	PASS
Band14	5MHz	16QAM	23305	12RB#0	22.11	19.48	PASS
Band14	5MHz	16QAM	23305	12RB#6	22.13	19.5	PASS
Band14	5MHz	16QAM	23305	12RB#13	22.19	19.56	PASS
Band14	5MHz	16QAM	23305	25RB#0	22.18	19.55	PASS
Band14	5MHz	QPSK	23330	1RB#0	24.18	21.55	PASS
Band14	5MHz	QPSK	23330	1RB#12	24.14	21.51	PASS
Band14	5MHz	QPSK	23330	1RB#24	24.20	21.57	PASS
Band14	5MHz	QPSK	23330	12RB#0	23.18	20.55	PASS
Band14	5MHz	QPSK	23330	12RB#6	23.16	20.53	PASS
Band14	5MHz	QPSK	23330	12RB#13	23.09	20.46	PASS
Band14	5MHz	QPSK	23330	25RB#0	23.17	20.54	PASS
Band14	5MHz	16QAM	23330	1RB#0	23.24	20.61	PASS
Band14	5MHz	16QAM	23330	1RB#12	23.19	20.56	PASS
Band14	5MHz	16QAM	23330	1RB#24	23.16	20.53	PASS
Band14	5MHz	16QAM	23330	12RB#0	22.24	19.61	PASS
Band14	5MHz	16QAM	23330	12RB#6	22.24	19.61	PASS
Band14	5MHz	16QAM	23330	12RB#13	22.20	19.57	PASS
Band14	5MHz	16QAM	23330	25RB#0	22.14	19.51	PASS
Band14	5MHz	QPSK	23355	1RB#0	24.30	21.67	PASS
Band14	5MHz	QPSK	23355	1RB#12	24.09	21.46	PASS
Band14	5MHz	QPSK	23355	1RB#24	24.26	21.63	PASS
Band14	5MHz	QPSK	23355	12RB#0	23.25	20.62	PASS
Band14	5MHz	QPSK	23355	12RB#6	23.16	20.53	PASS
Band14	5MHz	QPSK	23355	12RB#13	23.11	20.48	PASS
Band14	5MHz	QPSK	23355	25RB#0	23.22	20.59	PASS
Band14	5MHz	16QAM	23355	1RB#0	23.15	20.52	PASS



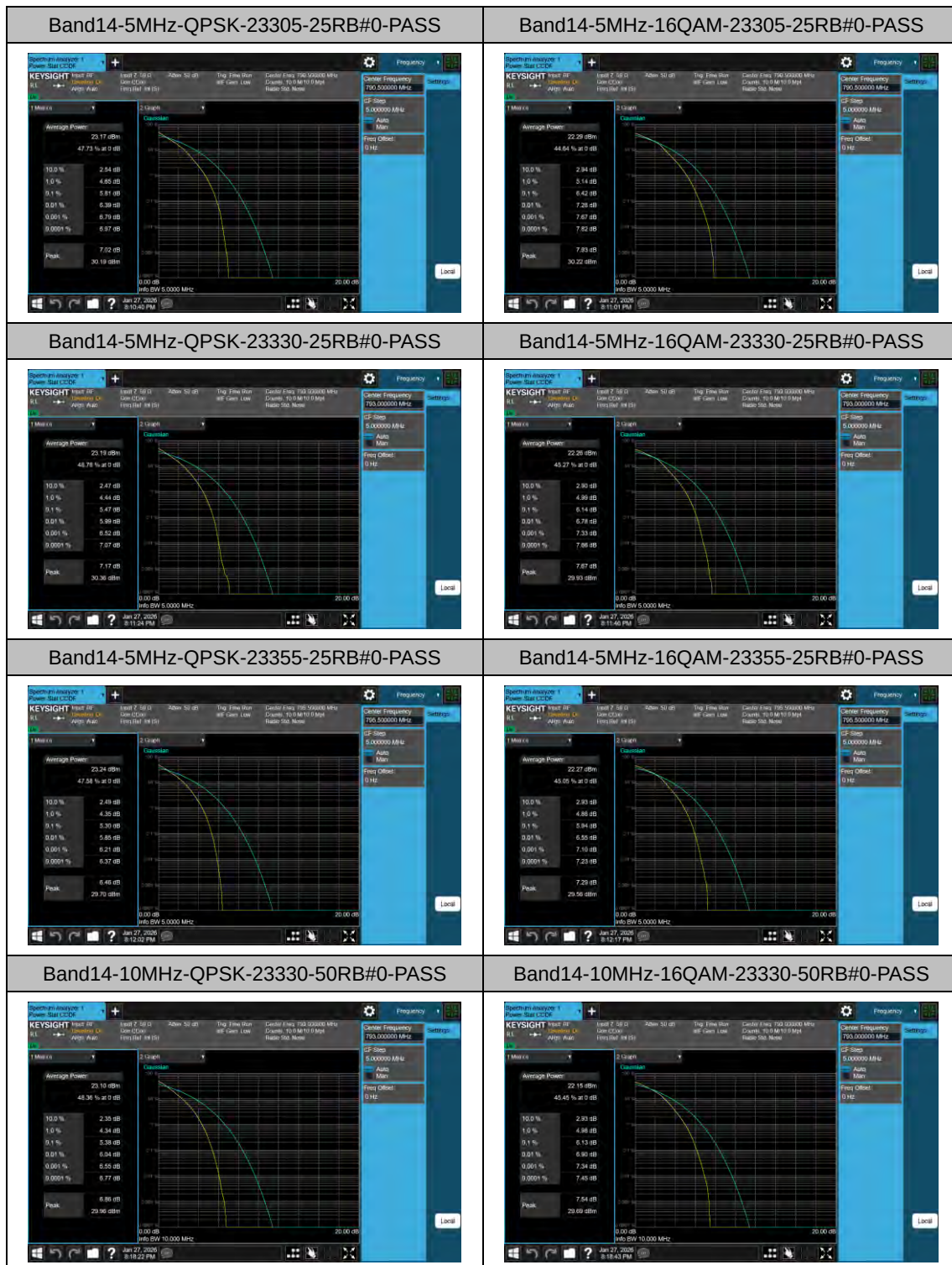
Band14	5MHz	16QAM	23355	1RB#12	23.17	20.54	PASS
Band14	5MHz	16QAM	23355	1RB#24	23.10	20.47	PASS
Band14	5MHz	16QAM	23355	12RB#0	22.25	19.62	PASS
Band14	5MHz	16QAM	23355	12RB#6	22.13	19.5	PASS
Band14	5MHz	16QAM	23355	12RB#13	22.14	19.51	PASS
Band14	5MHz	16QAM	23355	25RB#0	22.18	19.55	PASS
Band14	10MHz	QPSK	23330	1RB#0	24.18	21.55	PASS
Band14	10MHz	QPSK	23330	1RB#24	24.18	21.55	PASS
Band14	10MHz	QPSK	23330	1RB#49	24.15	21.52	PASS
Band14	10MHz	QPSK	23330	25RB#0	23.11	20.48	PASS
Band14	10MHz	QPSK	23330	25RB#12	23.15	20.52	PASS
Band14	10MHz	QPSK	23330	25RB#25	23.07	20.44	PASS
Band14	10MHz	QPSK	23330	50RB#0	23.08	20.45	PASS
Band14	10MHz	16QAM	23330	1RB#0	23.13	20.5	PASS
Band14	10MHz	16QAM	23330	1RB#24	23.10	20.47	PASS
Band14	10MHz	16QAM	23330	1RB#49	23.13	20.5	PASS
Band14	10MHz	16QAM	23330	25RB#0	22.08	19.45	PASS
Band14	10MHz	16QAM	23330	25RB#12	22.15	19.52	PASS
Band14	10MHz	16QAM	23330	25RB#25	21.99	19.36	PASS
Band14	10MHz	16QAM	23330	50RB#0	22.04	19.41	PASS

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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	5.81	13	PASS
Band14	5MHz	16QAM	23305	25RB#0	6.42	13	PASS
Band14	5MHz	QPSK	23330	25RB#0	5.47	13	PASS
Band14	5MHz	16QAM	23330	25RB#0	6.14	13	PASS
Band14	5MHz	QPSK	23355	25RB#0	5.30	13	PASS
Band14	5MHz	16QAM	23355	25RB#0	5.94	13	PASS
Band14	10MHz	QPSK	23330	50RB#0	5.38	13	PASS
Band14	10MHz	16QAM	23330	50RB#0	6.13	13	PASS

Test Graphs

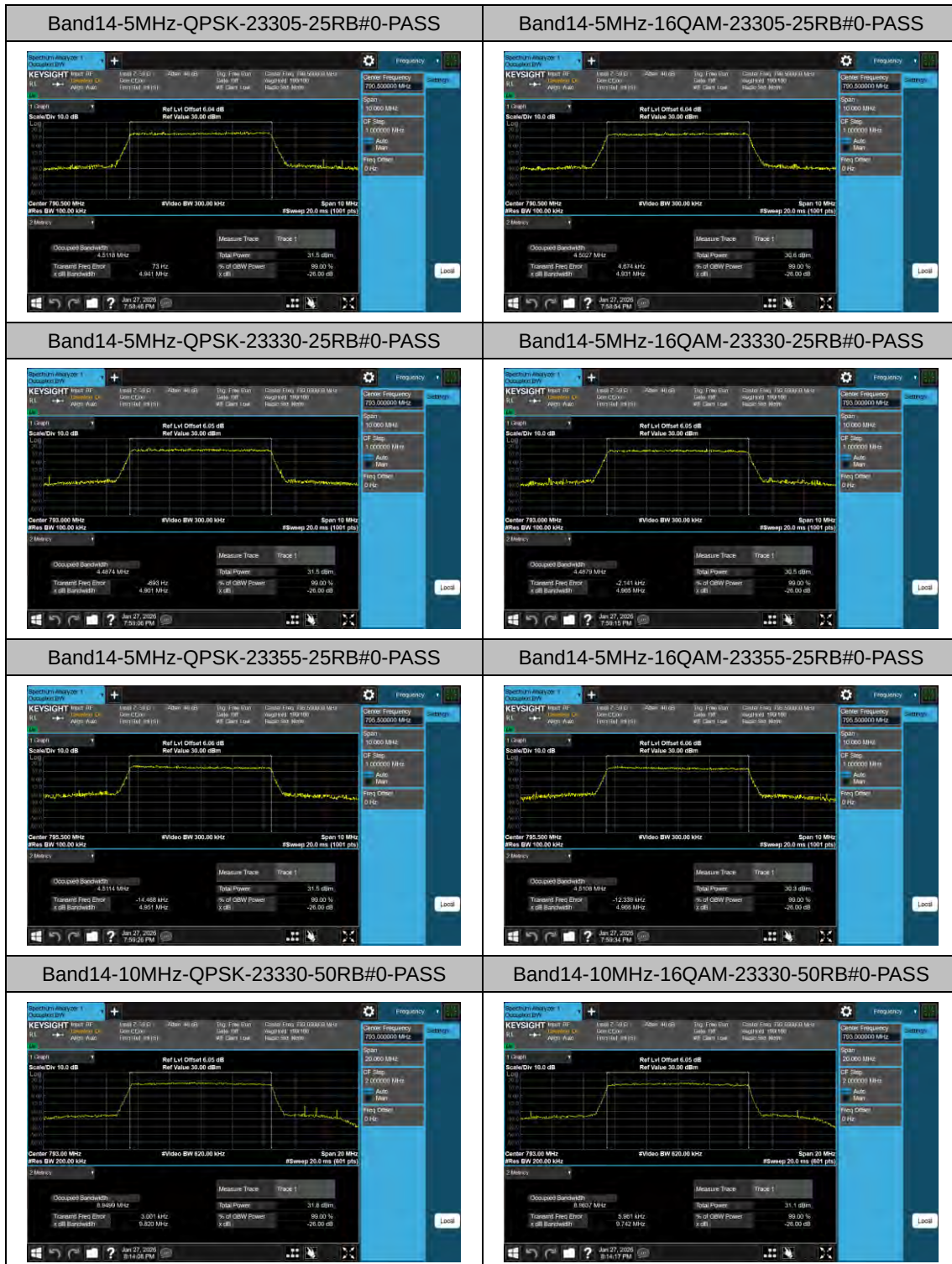


Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.5118	4.941	PASS
Band14	5MHz	16QAM	23305	25RB#0	4.5027	4.931	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.4874	4.901	PASS
Band14	5MHz	16QAM	23330	25RB#0	4.4879	4.965	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.5114	4.951	PASS
Band14	5MHz	16QAM	23355	25RB#0	4.5108	4.966	PASS
Band14	10MHz	QPSK	23330	50RB#0	8.9499	9.820	PASS
Band14	10MHz	16QAM	23330	50RB#0	8.9637	9.742	PASS

Test Graphs



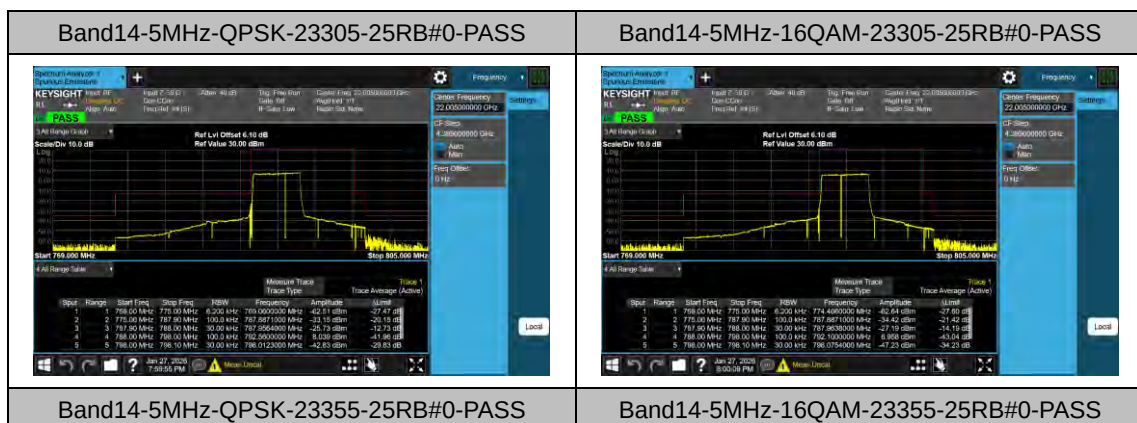
Appendix D: Band Edge

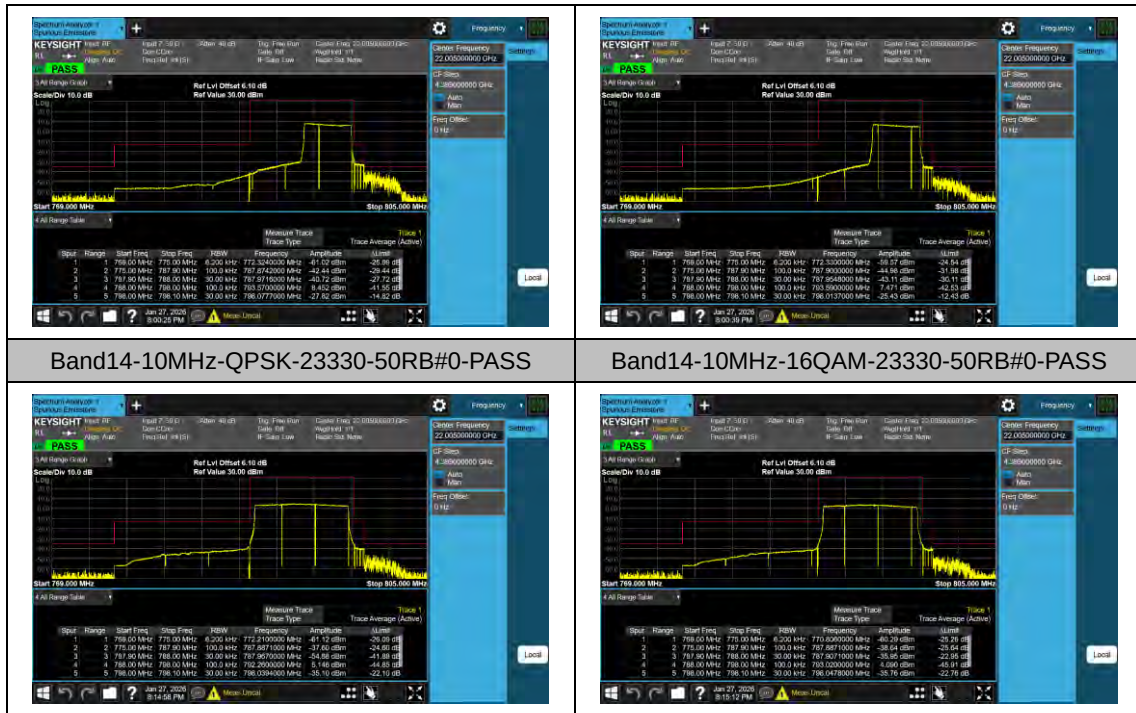
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Limit (dBm)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	0.009~0.15	-55.54	-33.0	PASS
Band14	5MHz	QPSK	23305	25RB#0	0.15~30	-67.47	-23.0	PASS
Band14	5MHz	QPSK	23305	25RB#0	30~1000	-63.26	-13.0	PASS
Band14	5MHz	QPSK	23305	25RB#0	1000~3000	-45.73	-13.0	PASS
Band14	5MHz	QPSK	23305	25RB#0	3000~10000	-35.10	-13.0	PASS
Band14	5MHz	16QAM	23305	25RB#0	0.009~0.15	-58.33	-33.0	PASS
Band14	5MHz	16QAM	23305	25RB#0	0.15~30	-67.66	-23.0	PASS
Band14	5MHz	16QAM	23305	25RB#0	30~1000	-63.30	-13.0	PASS
Band14	5MHz	16QAM	23305	25RB#0	1000~3000	-45.87	-13.0	PASS
Band14	5MHz	16QAM	23305	25RB#0	3000~10000	-34.76	-13.0	PASS
Band14	5MHz	QPSK	23330	25RB#0	0.009~0.15	-57.81	-33.0	PASS
Band14	5MHz	QPSK	23330	25RB#0	0.15~30	-67.42	-23.0	PASS
Band14	5MHz	QPSK	23330	25RB#0	30~1000	-62.97	-13.0	PASS
Band14	5MHz	QPSK	23330	25RB#0	1000~3000	-45.63	-13.0	PASS
Band14	5MHz	QPSK	23330	25RB#0	3000~10000	-24.92	-13.0	PASS
Band14	5MHz	16QAM	23330	25RB#0	0.009~0.15	-54.60	-33.0	PASS
Band14	5MHz	16QAM	23330	25RB#0	0.15~30	-67.50	-23.0	PASS
Band14	5MHz	16QAM	23330	25RB#0	30~1000	-63.02	-13.0	PASS
Band14	5MHz	16QAM	23330	25RB#0	1000~3000	-46.02	-13.0	PASS
Band14	5MHz	16QAM	23330	25RB#0	3000~10000	-34.82	-13.0	PASS
Band14	5MHz	QPSK	23355	25RB#0	0.009~0.15	-56.89	-33.0	PASS
Band14	5MHz	QPSK	23355	25RB#0	0.15~30	-68.02	-23.0	PASS
Band14	5MHz	QPSK	23355	25RB#0	30~1000	-63.15	-13.0	PASS
Band14	5MHz	QPSK	23355	25RB#0	1000~30	-45.67	-13.0	PASS

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Band14	5MHz	QPSK	23355	25RB#0	3000~10000	-25.12	-13.0	PASS
Band14	5MHz	16QAM	23355	25RB#0	0.009~0.15	-55.83	-33.0	PASS
Band14	5MHz	16QAM	23355	25RB#0	0.15~30	-67.29	-23.0	PASS
Band14	5MHz	16QAM	23355	25RB#0	30~1000	-63.35	-13.0	PASS
Band14	5MHz	16QAM	23355	25RB#0	1000~3000	-46.10	-13.0	PASS
Band14	5MHz	16QAM	23355	25RB#0	3000~10000	-24.86	-13.0	PASS
Band14	10MHz	QPSK	23330	50RB#0	0.009~0.15	-57.71	-33.0	PASS
Band14	10MHz	QPSK	23330	50RB#0	0.15~30	-67.11	-23.0	PASS
Band14	10MHz	QPSK	23330	50RB#0	30~1000	-63.13	-13.0	PASS
Band14	10MHz	QPSK	23330	50RB#0	1000~3000	-45.84	-13.0	PASS
Band14	10MHz	QPSK	23330	50RB#0	3000~10000	-25.11	-13.0	PASS
Band14	10MHz	16QAM	23330	50RB#0	0.009~0.15	-56.53	-33.0	PASS
Band14	10MHz	16QAM	23330	50RB#0	0.15~30	-66.29	-23.0	PASS
Band14	10MHz	16QAM	23330	50RB#0	30~1000	-63.20	-13.0	PASS
Band14	10MHz	16QAM	23330	50RB#0	1000~3000	-45.73	-13.0	PASS
Band14	10MHz	16QAM	23330	50RB#0	3000~10000	-25.04	-13.0	PASS

Test Graphs





Appendix E: Conducted Spurious Emission

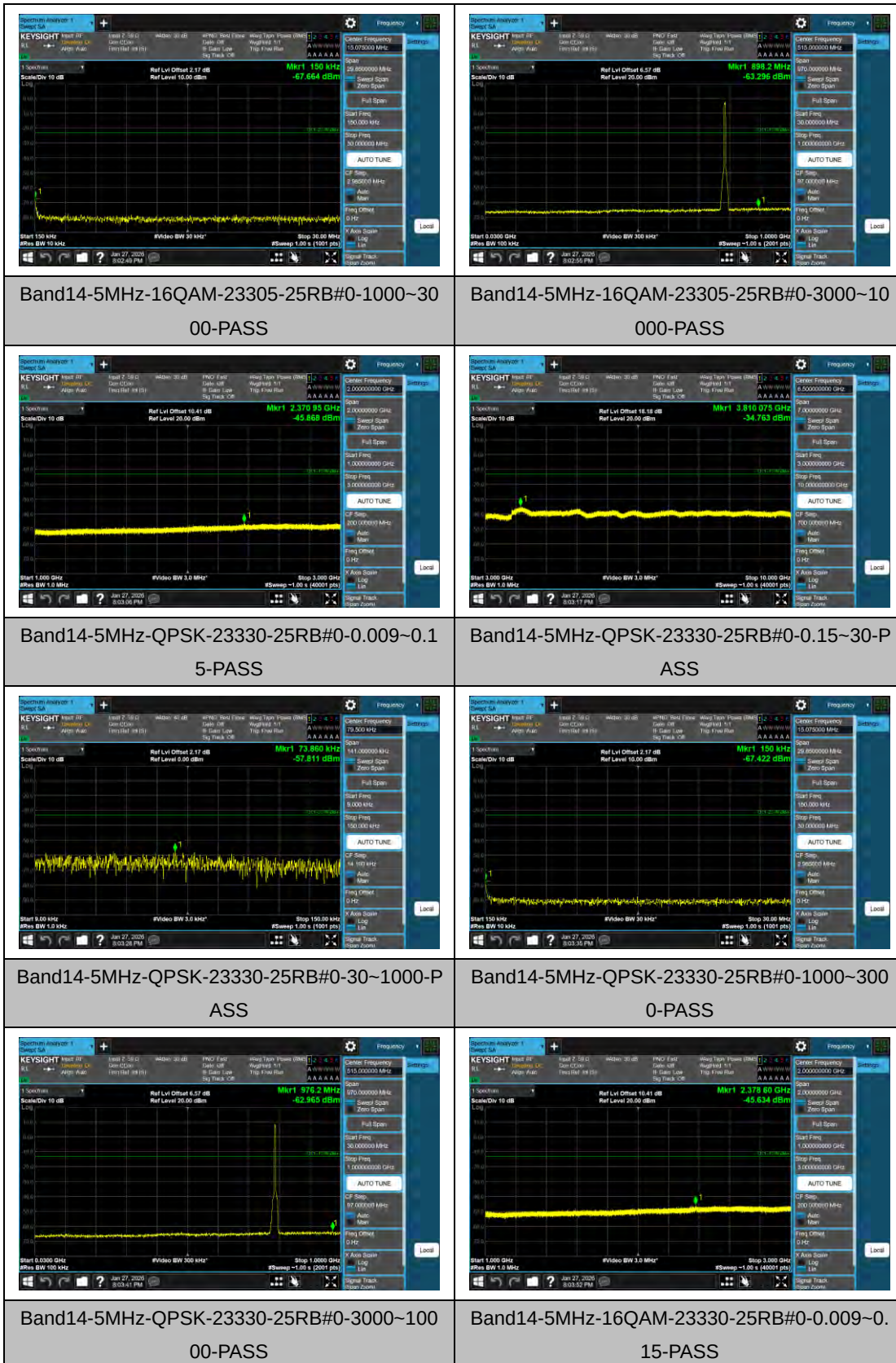
Test Result

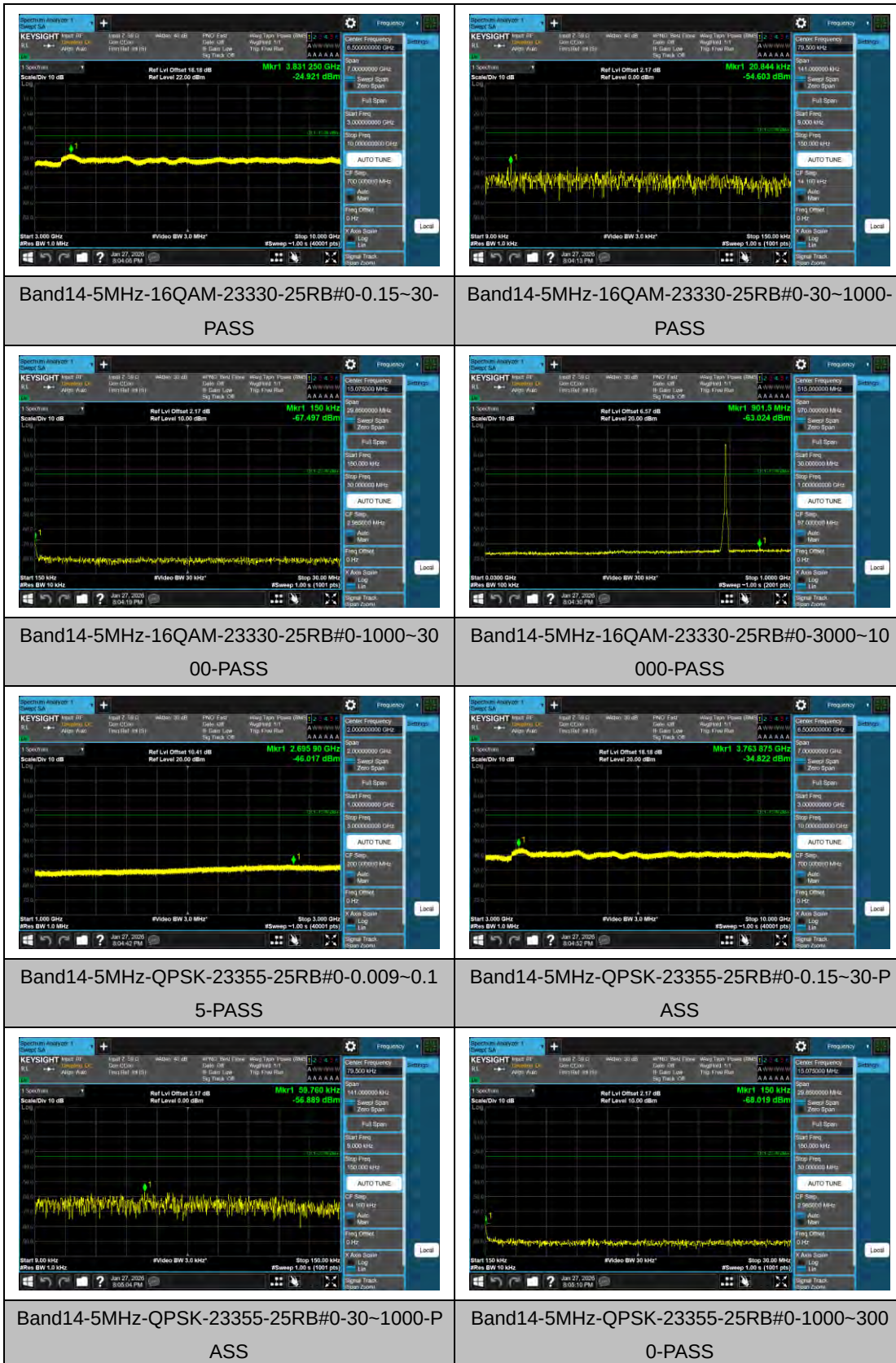
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	0.009~0.15	-55.54	PASS
Band14	5MHz	QPSK	23305	25RB#0	0.15~30	-67.47	PASS
Band14	5MHz	QPSK	23305	25RB#0	30~1000	-63.26	PASS
Band14	5MHz	QPSK	23305	25RB#0	1000~3000	-45.73	PASS
Band14	5MHz	QPSK	23305	25RB#0	3000~10000	-35.10	PASS
Band14	5MHz	16QAM	23305	25RB#0	0.009~0.15	-58.33	PASS
Band14	5MHz	16QAM	23305	25RB#0	0.15~30	-67.66	PASS
Band14	5MHz	16QAM	23305	25RB#0	30~1000	-63.30	PASS
Band14	5MHz	16QAM	23305	25RB#0	1000~3000	-45.87	PASS
Band14	5MHz	16QAM	23305	25RB#0	3000~10000	-34.76	PASS
Band14	5MHz	QPSK	23330	25RB#0	0.009~0.15	-57.81	PASS
Band14	5MHz	QPSK	23330	25RB#0	0.15~30	-67.42	PASS
Band14	5MHz	QPSK	23330	25RB#0	30~1000	-62.97	PASS
Band14	5MHz	QPSK	23330	25RB#0	1000~3000	-45.63	PASS
Band14	5MHz	QPSK	23330	25RB#0	3000~10000	-24.92	PASS
Band14	5MHz	16QAM	23330	25RB#0	0.009~0.15	-54.60	PASS
Band14	5MHz	16QAM	23330	25RB#0	0.15~30	-67.50	PASS
Band14	5MHz	16QAM	23330	25RB#0	30~1000	-63.02	PASS
Band14	5MHz	16QAM	23330	25RB#0	1000~3000	-46.02	PASS
Band14	5MHz	16QAM	23330	25RB#0	3000~10000	-34.82	PASS
Band14	5MHz	QPSK	23355	25RB#0	0.009~0.15	-56.89	PASS
Band14	5MHz	QPSK	23355	25RB#0	0.15~30	-68.02	PASS
Band14	5MHz	QPSK	23355	25RB#0	30~1000	-63.15	PASS
Band14	5MHz	QPSK	23355	25RB#0	1000~3000	-45.67	PASS
Band14	5MHz	QPSK	23355	25RB#0	3000~10000	-25.12	PASS
Band14	5MHz	16QAM	23355	25RB#0	0.009~0.15	-55.83	PASS
Band14	5MHz	16QAM	23355	25RB#0	0.15~30	-67.29	PASS
Band14	5MHz	16QAM	23355	25RB#0	30~1000	-63.35	PASS
Band14	5MHz	16QAM	23355	25RB#0	1000~3000	-46.10	PASS
Band14	5MHz	16QAM	23355	25RB#0	3000~10000	-24.86	PASS
Band14	10MHz	QPSK	23330	50RB#0	0.009~0.15	-57.71	PASS
Band14	10MHz	QPSK	23330	50RB#0	0.15~30	-67.11	PASS
Band14	10MHz	QPSK	23330	50RB#0	30~1000	-63.13	PASS
Band14	10MHz	QPSK	23330	50RB#0	1000~3000	-45.84	PASS
Band14	10MHz	QPSK	23330	50RB#0	3000~10000	-25.11	PASS

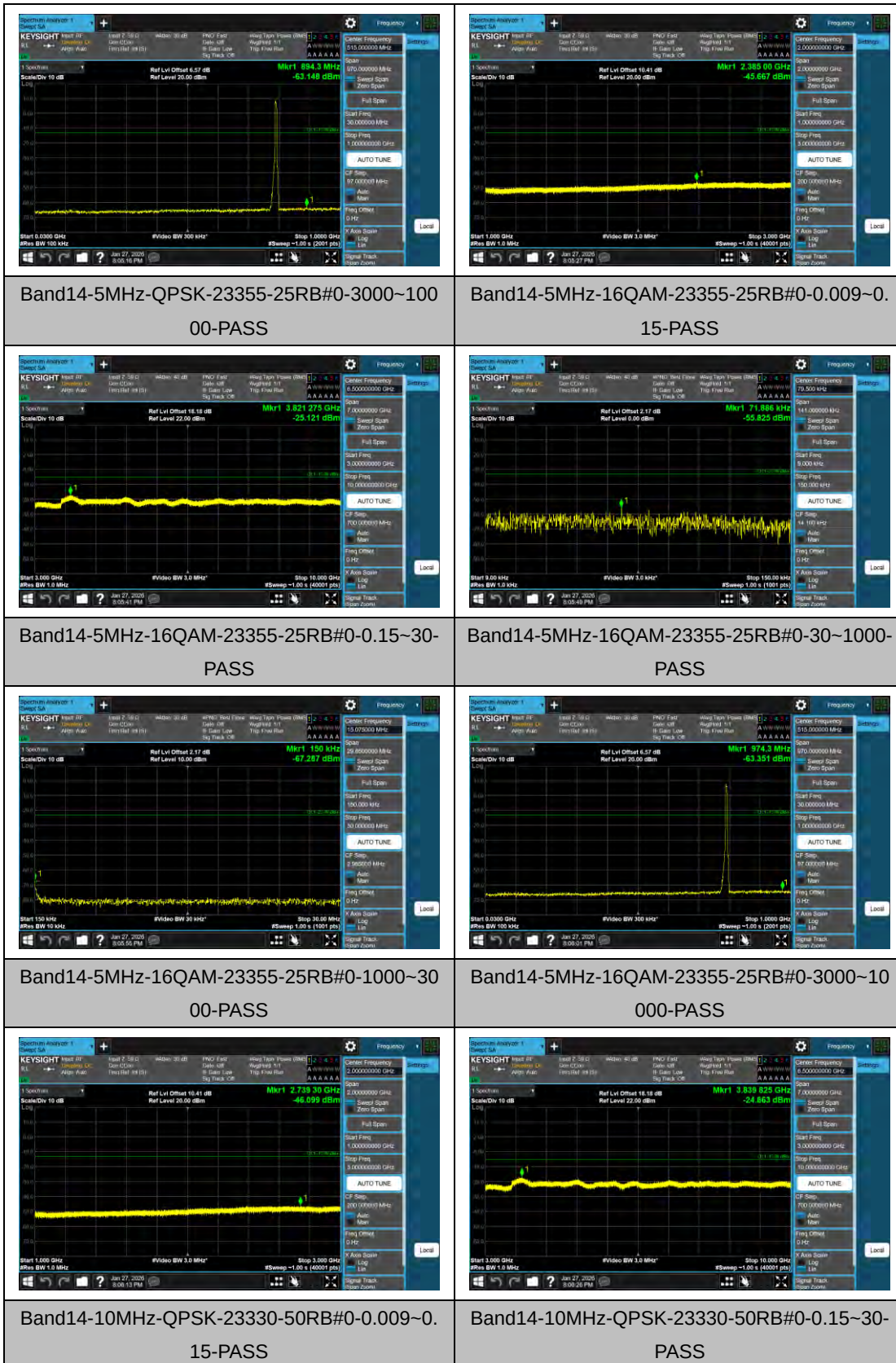
Band14	10MHz	16QAM	23330	50RB#0	0.009~0.15	-56.53	PASS
Band14	10MHz	16QAM	23330	50RB#0	0.15~30	-66.29	PASS
Band14	10MHz	16QAM	23330	50RB#0	30~1000	-63.20	PASS
Band14	10MHz	16QAM	23330	50RB#0	1000~3000	-45.73	PASS
Band14	10MHz	16QAM	23330	50RB#0	3000~10000	-25.04	PASS

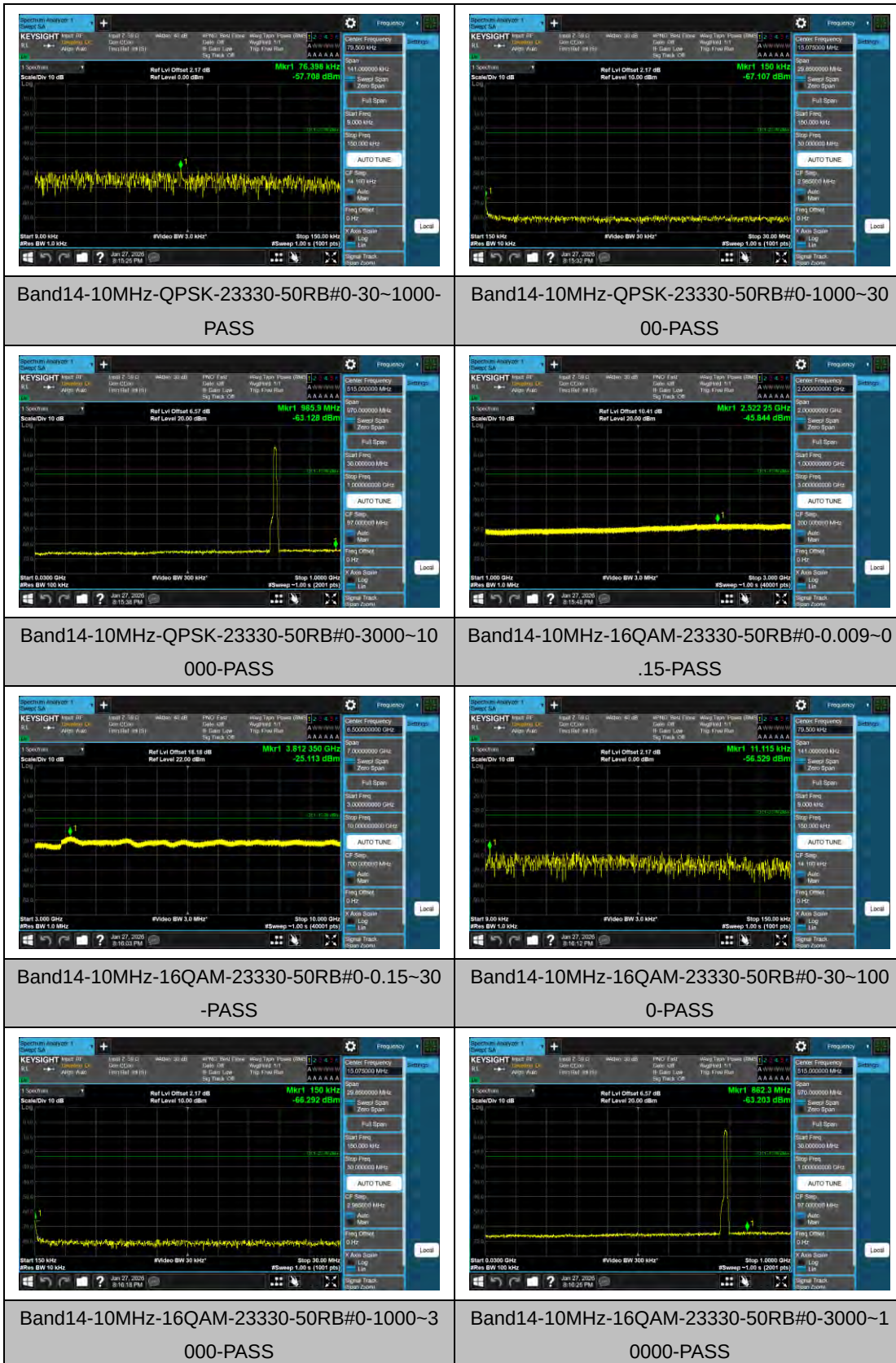
Test Graphs

Band14-5MHz-QPSK-23305-25RB#0-0.009~0.1 5-PASS	Band14-5MHz-QPSK-23305-25RB#0-0.15~30-P ASS
Band14-5MHz-QPSK-23305-25RB#0-30~1000-P ASS	Band14-5MHz-QPSK-23305-25RB#0-1000~300 0-PASS
Band14-5MHz-QPSK-23305-25RB#0-3000~100 00-PASS	Band14-5MHz-16QAM-23305-25RB#0-0.009~0. 15-PASS
Band14-5MHz-16QAM-23305-25RB#0-0.15~30- PASS	Band14-5MHz-16QAM-23305-25RB#0-30~1000- PASS











Appendix F: Frequency Stability

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	NV	-30	3.49	0.004415	±1.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	-20	4.04	0.005111	±1.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	-10	-7.24	-0.009159	±1.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	0	4.05	0.005123	±1.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	10	4.58	0.005794	±1.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	20	-3.21	-0.004061	±1.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	30	-2.37	-0.002998	±1.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	40	3.00	0.003795	±1.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	50	-4.65	-0.005882	±1.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	-30	-3.74	-0.004731	±1.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	-20	4.75	0.006009	±1.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	-10	3.47	0.004390	±1.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	0	5.05	0.006388	±1.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	10	-4.38	-0.005541	±1.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	20	5.00	0.006325	±1.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	30	-4.82	-0.006097	±1.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	40	-3.80	-0.004807	±1.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	50	-2.58	-0.003264	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	-30	-3.46	-0.004363	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	-20	-3.29	-0.004149	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	-10	-3.80	-0.004792	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	0	-2.77	-0.003493	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	10	-4.23	-0.005334	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	20	-6.36	-0.008020	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	30	2.57	0.003241	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	40	-5.19	-0.006545	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	50	-5.10	-0.006431	±1.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	-30	-2.47	-0.003115	±1.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	-20	-3.75	-0.004729	±1.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	-10	-4.35	-0.005485	±1.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	0	-4.40	-0.005549	±1.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	10	-4.54	-0.005725	±1.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	20	-4.81	-0.006066	±1.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	30	-2.65	-0.003342	±1.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	40	3.39	0.004275	±1.5	PASS

Band14	5MHz	16QAM	23330	25RB#0	NV	50	-2.93	-0.003695	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	-30	-5.02	-0.006310	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	-20	-6.85	-0.008611	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	-10	-2.99	-0.003759	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	0	-6.41	-0.008058	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	10	-4.00	-0.005028	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	20	3.32	0.004173	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	30	-2.73	-0.003432	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	40	4.52	0.005682	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	50	-5.20	-0.006537	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	-30	-3.81	-0.004789	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	-20	4.72	0.005933	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	-10	-5.76	-0.007241	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	0	5.04	0.006336	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	10	-3.67	-0.004613	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	20	5.14	0.006461	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	30	-3.54	-0.004450	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	40	4.13	0.005192	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	50	-2.40	-0.003017	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-30	1.93	0.002434	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-20	3.38	0.004262	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-10	-4.24	-0.005347	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	0	4.22	0.005322	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	10	2.31	0.002913	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	20	-3.81	-0.004805	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	30	-5.30	-0.006683	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	40	-3.07	-0.003871	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	50	-7.28	-0.009180	±1.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	-30	-2.81	-0.003544	±1.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	-20	-5.51	-0.006948	±1.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	-10	-4.09	-0.005158	±1.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	0	-4.09	-0.005158	±1.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	10	-3.37	-0.004250	±1.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	20	3.29	0.004149	±1.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	30	-4.21	-0.005309	±1.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	40	-5.01	-0.006318	±1.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	50	2.39	0.003014	±1.5	PASS