

FCC Appendix RF Test Data for LTE Band 13

FCC ID : 2BT4L-M5-CX

Company : Infinity Mobile Limited

EUT : Portable WIFI

Model Number : M5-CX

Report No. : CTA25103000206

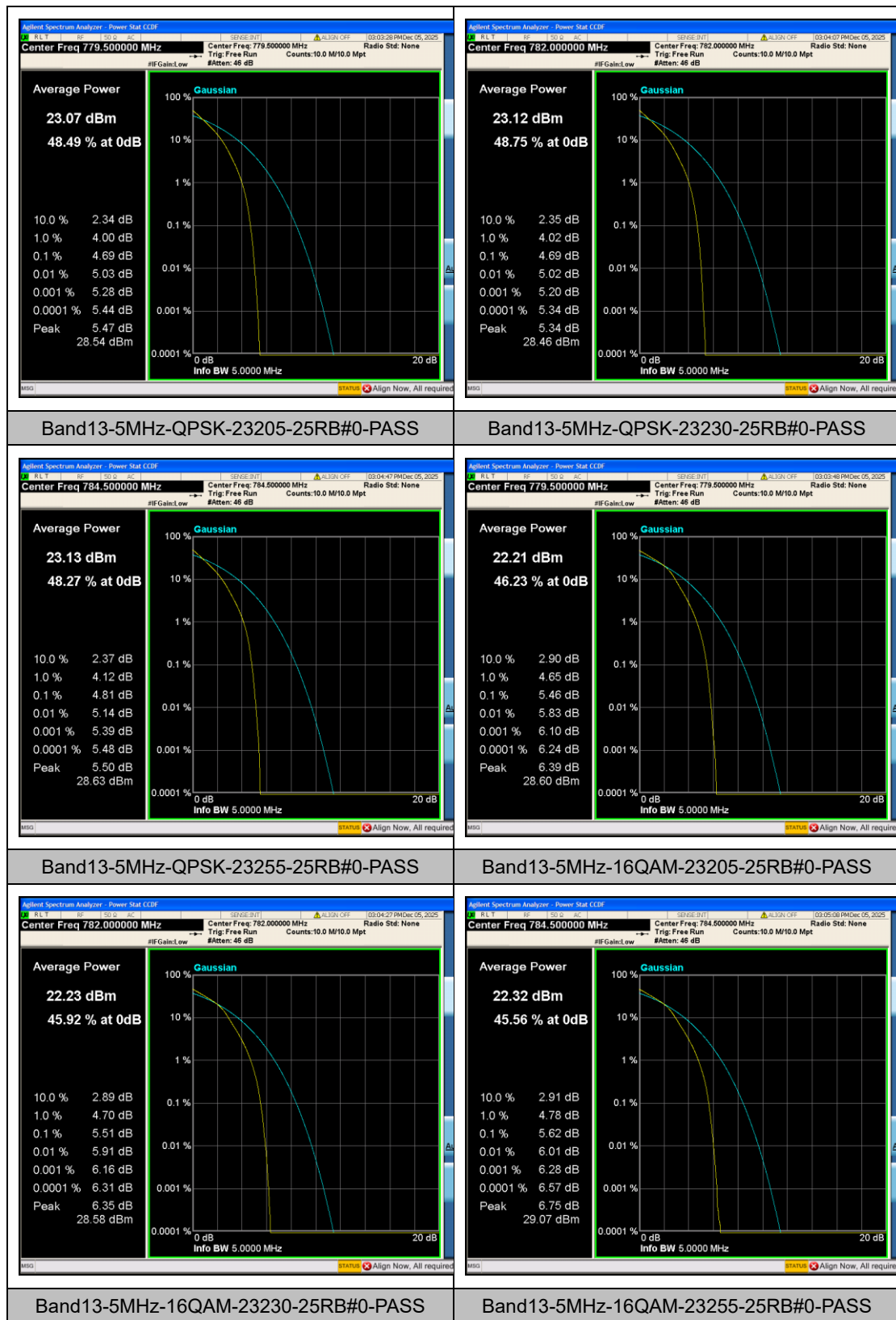
Reviewed By : Eric Wang

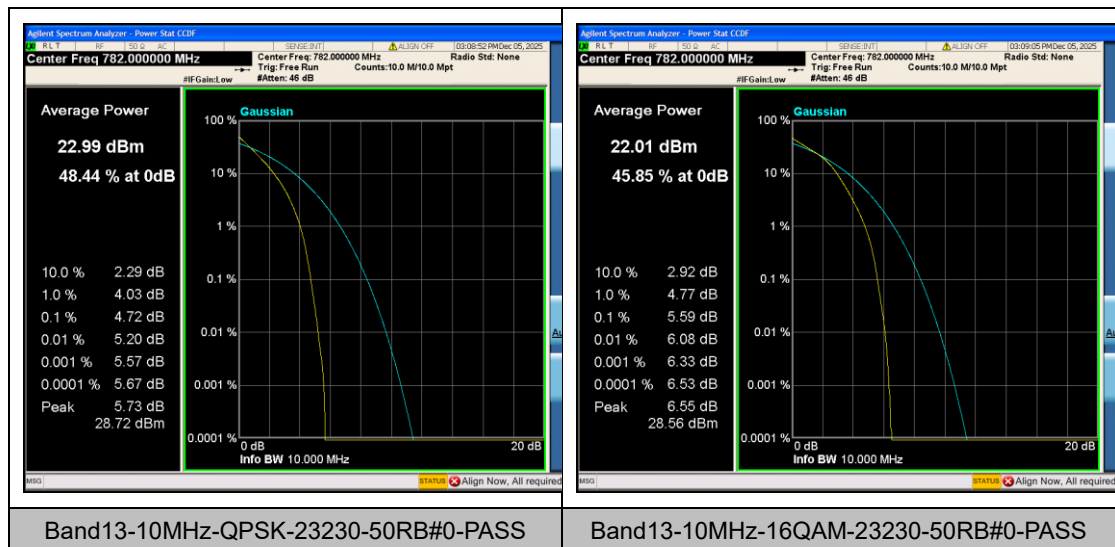
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.69	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.69	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.81	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	5.46	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.51	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	5.62	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	4.72	13	PASS
Band13	10MHz	16QAM	23230	50RB#0	5.59	13	PASS

Test Graphs



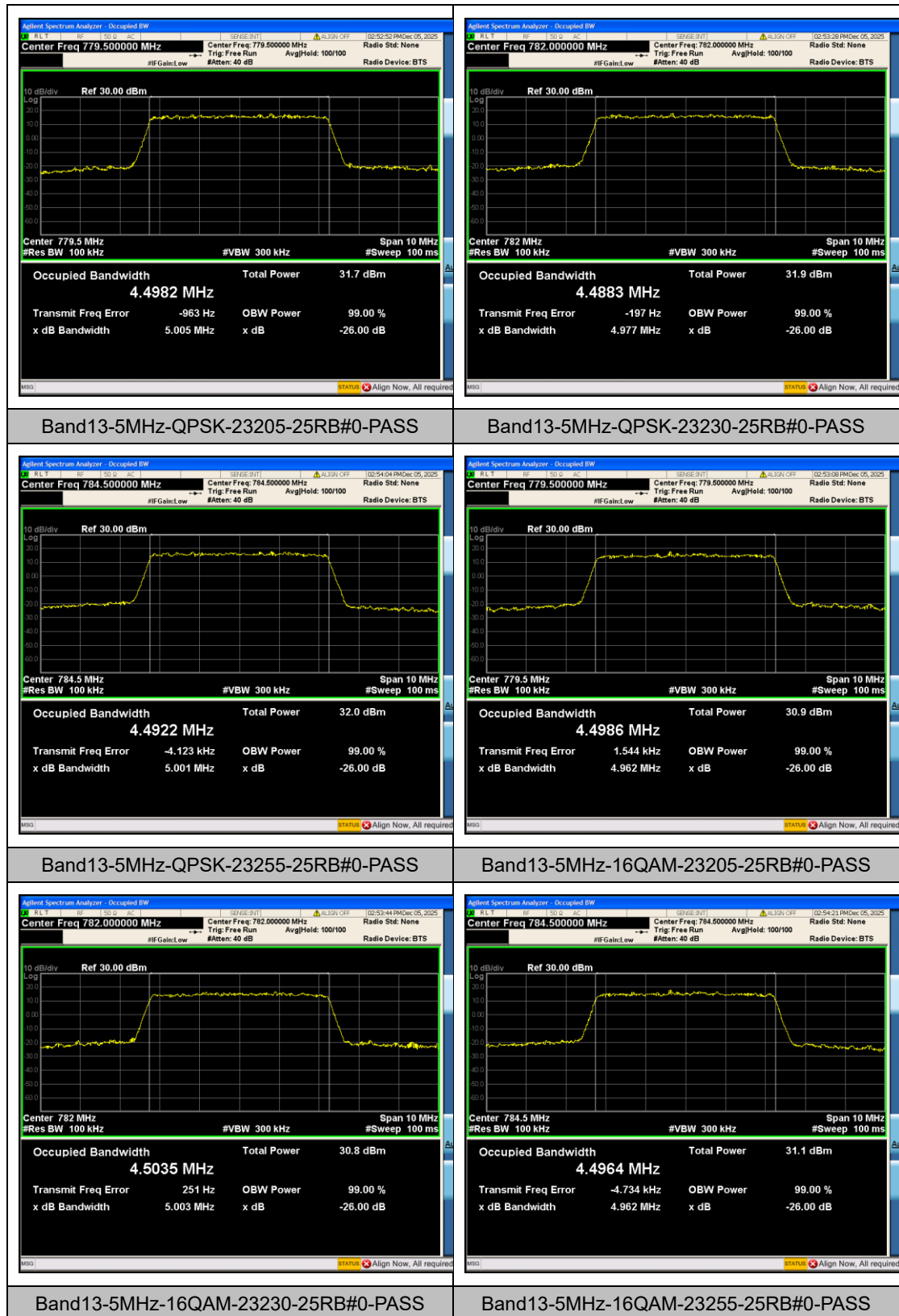


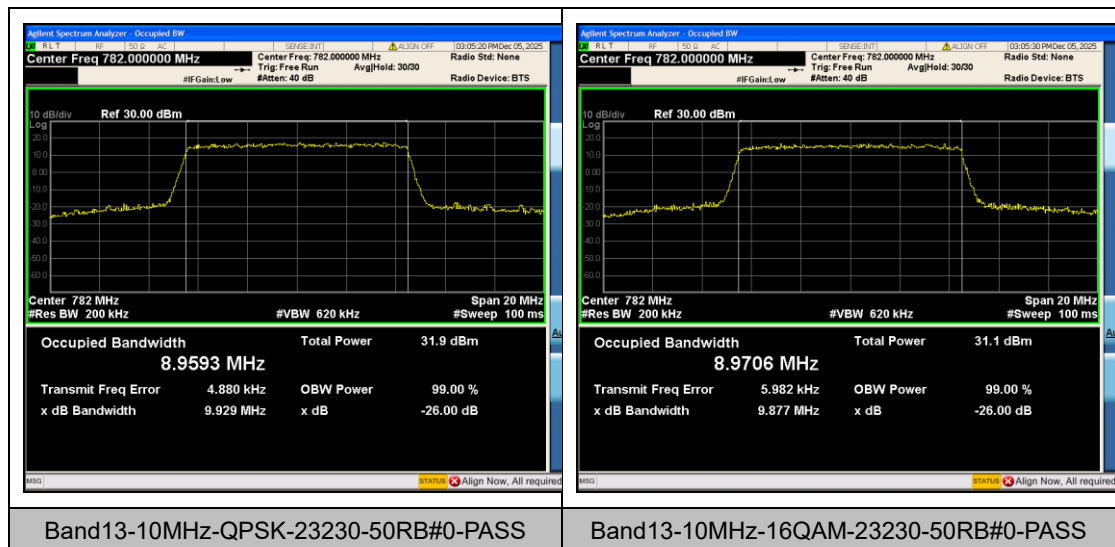
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.4982	5.005	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4883	4.977	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4922	5.001	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.4986	4.962	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.5035	5.003	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4964	4.962	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9593	9.929	PASS
Band13	10MHz	16QAM	23230	50RB#0	8.9706	9.877	PASS

Test Graphs



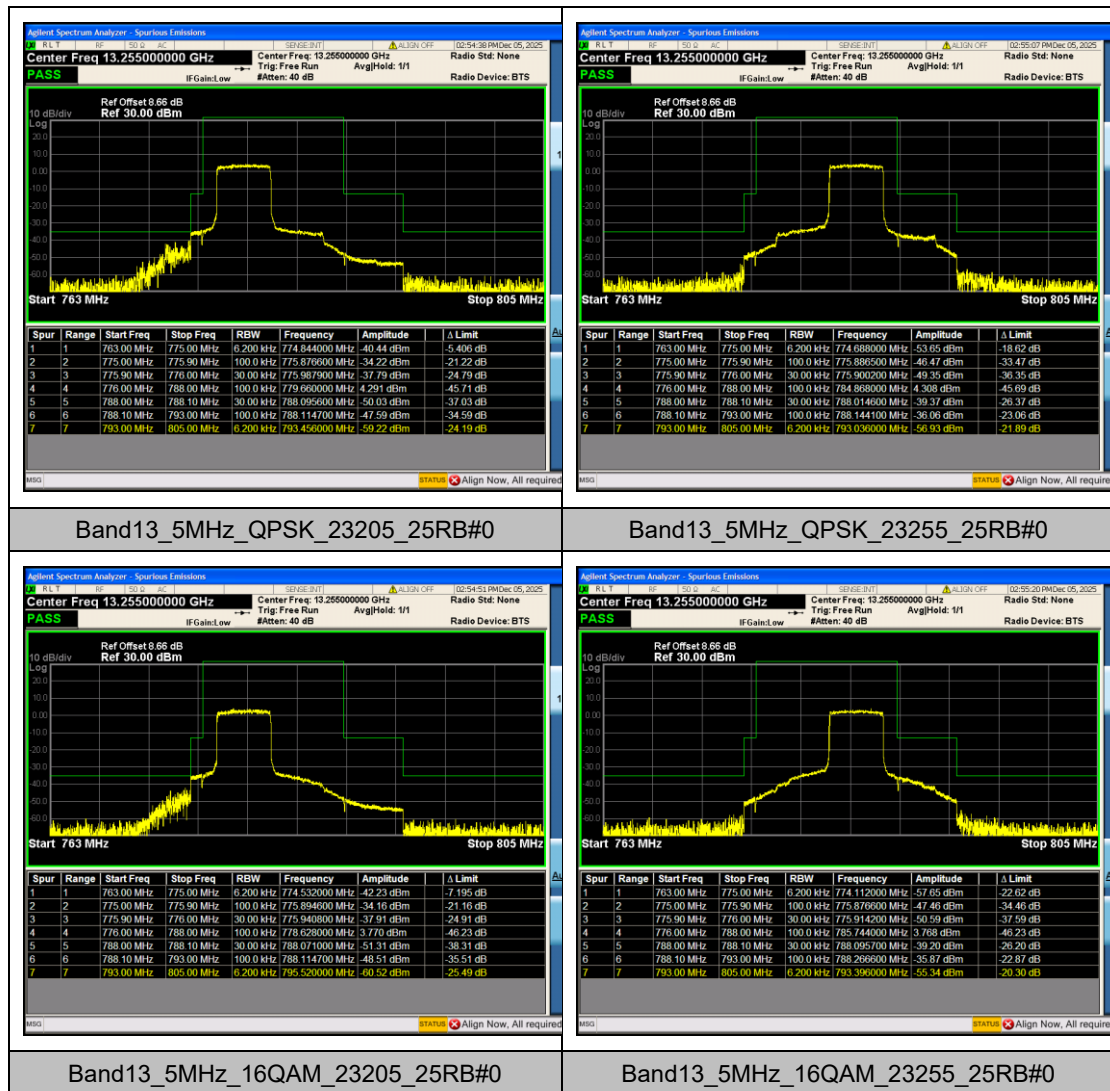


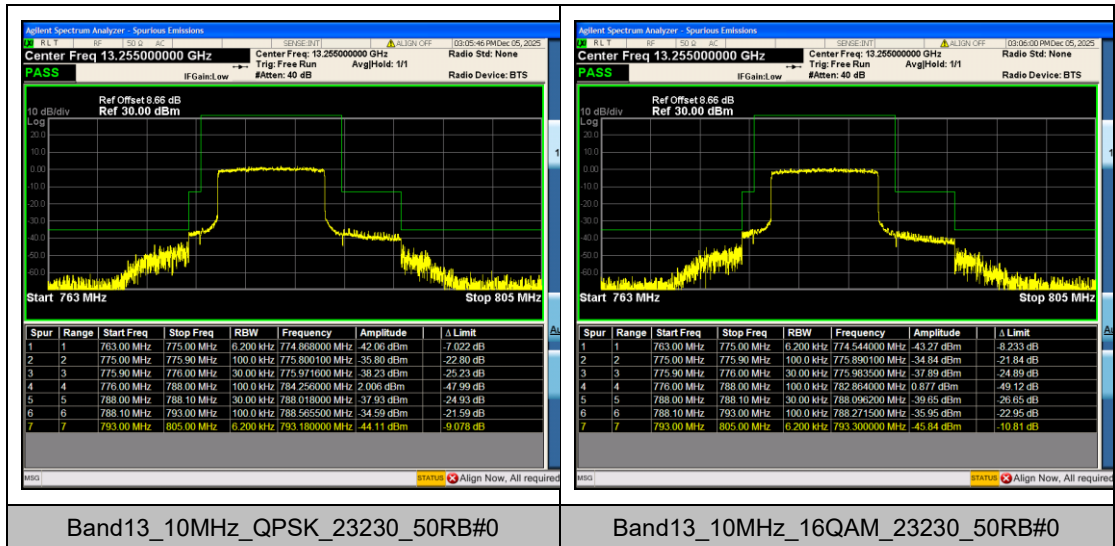
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	-40.44	PASS
Band13	5MHz	QPSK	23255	25RB#0	-53.65	PASS
Band13	5MHz	16QAM	23205	25RB#0	-42.23	PASS
Band13	5MHz	16QAM	23255	25RB#0	-55.34	PASS
Band13	10MHz	QPSK	23230	50RB#0	-42.06	PASS
Band13	10MHz	16QAM	23230	50RB#0	-43.27	PASS

Test Graphs





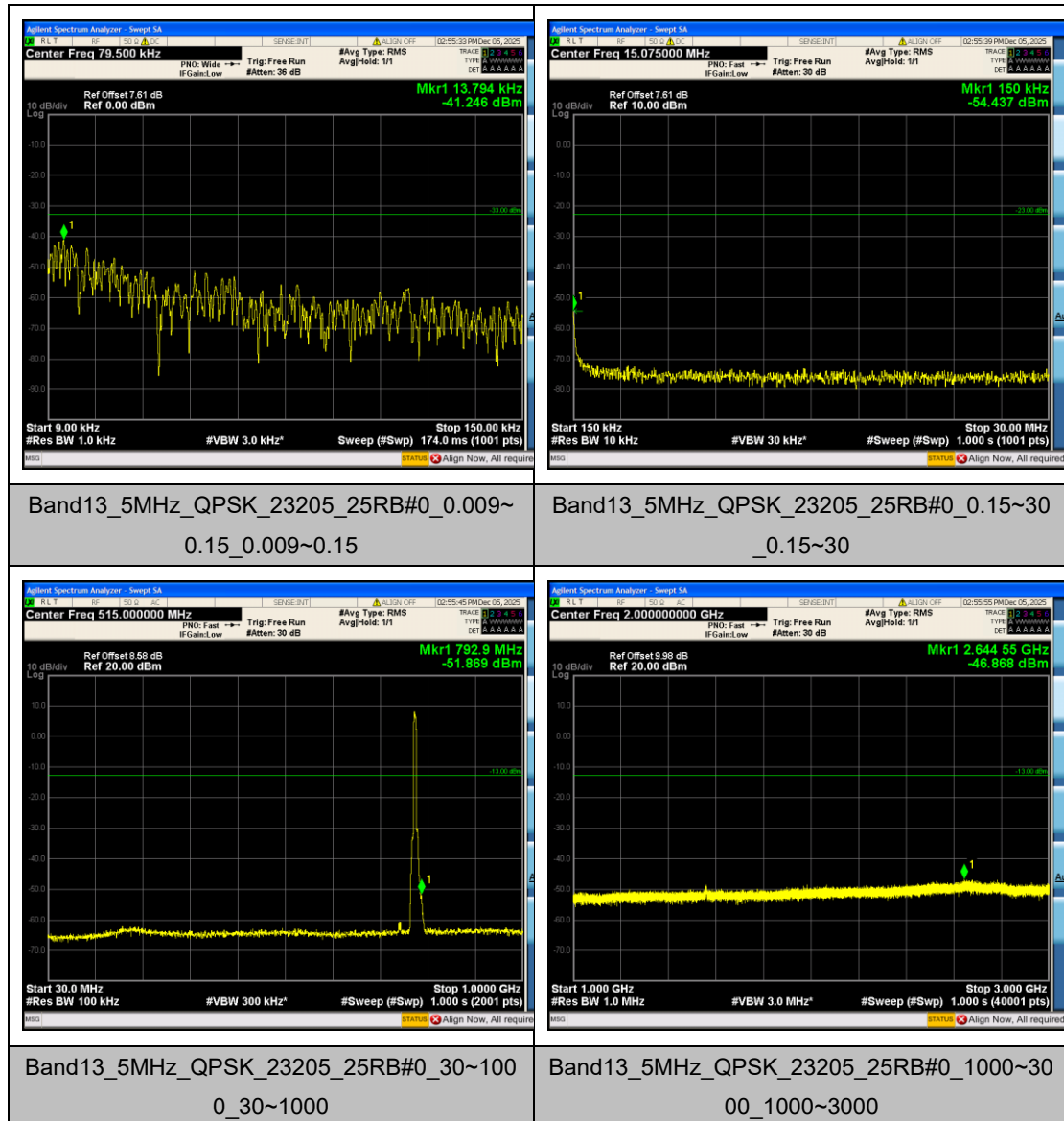
Appendix E: Conducted Spurious Emission

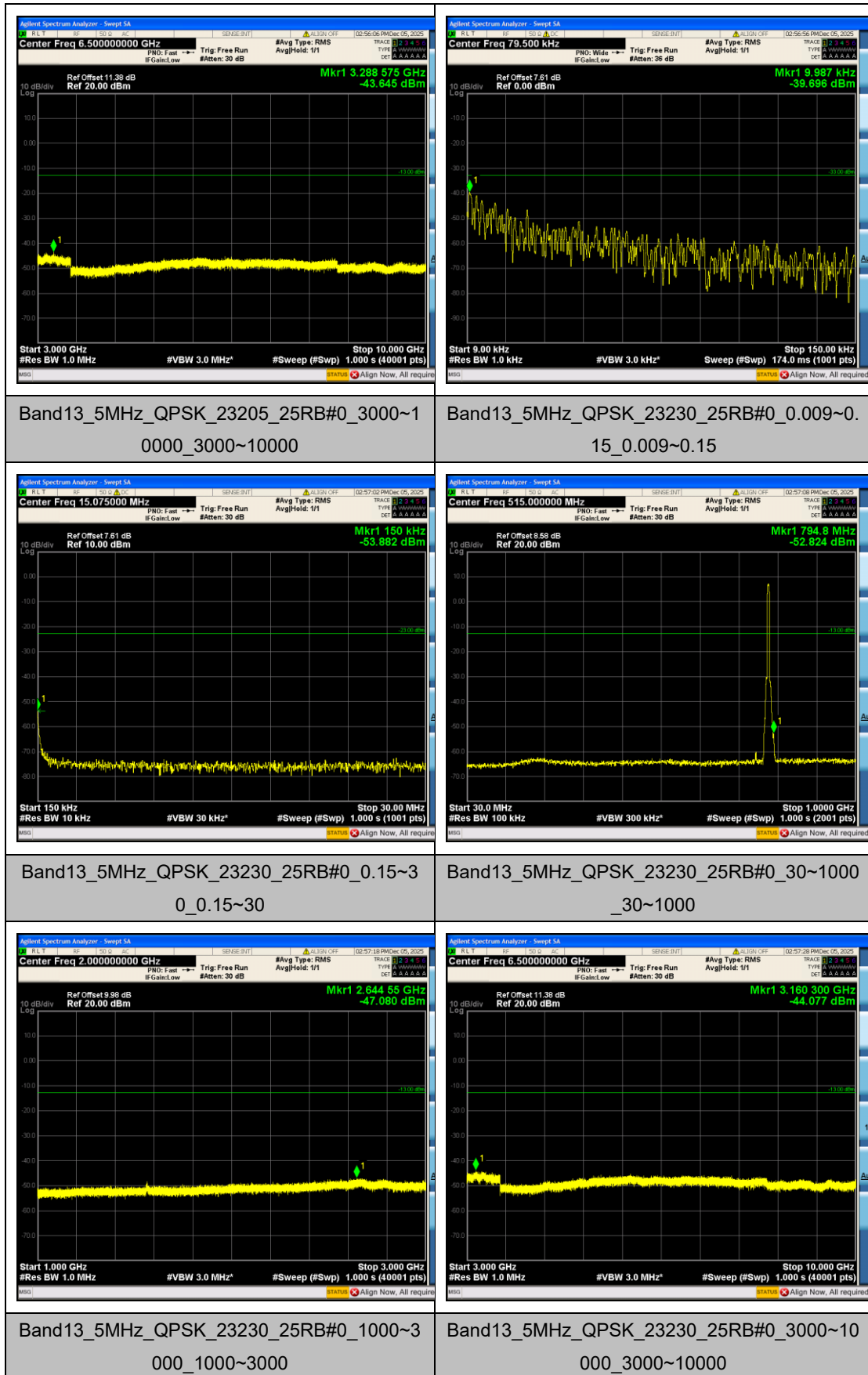
Test Result

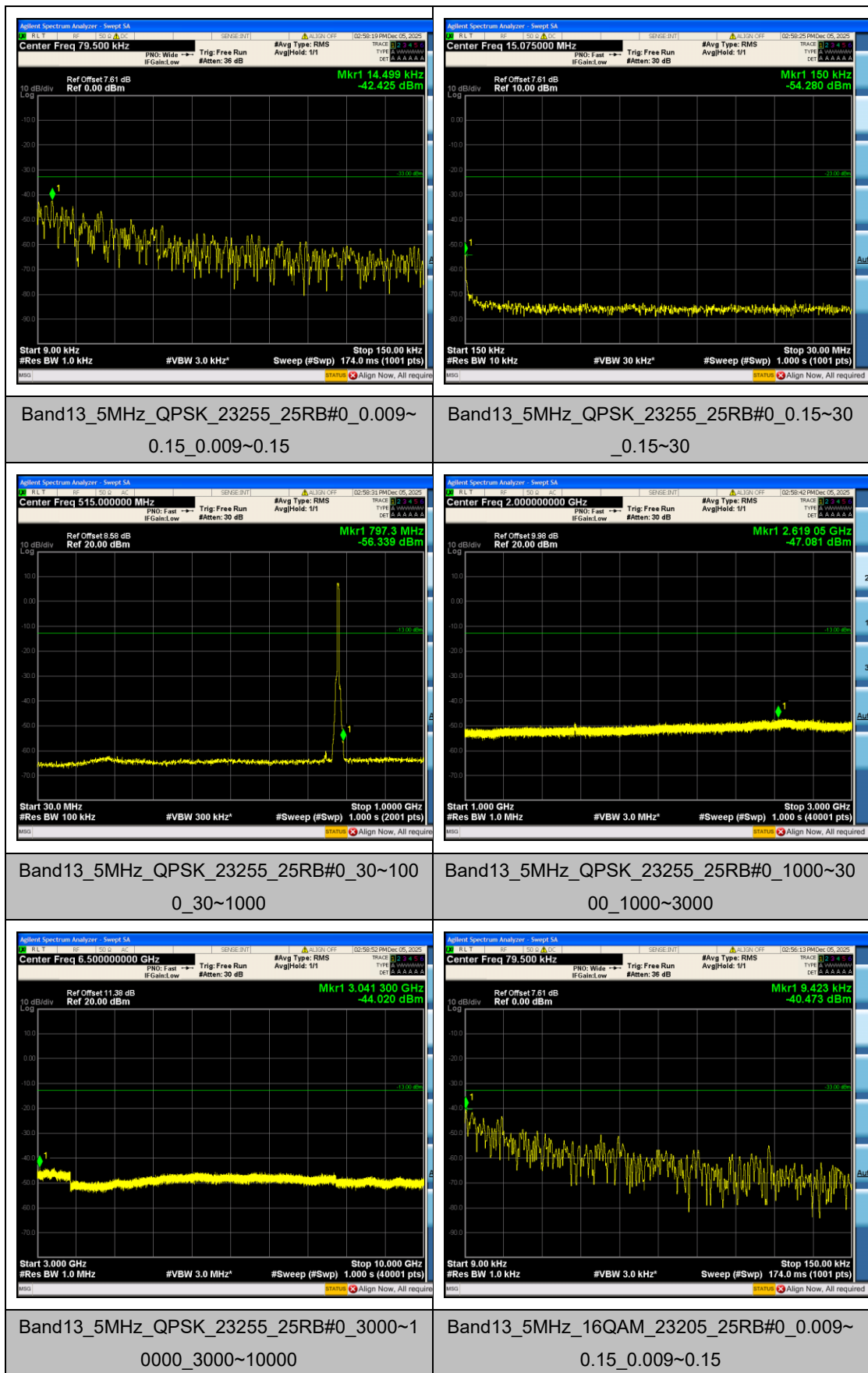
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	0.009~0.15	-41.25	PASS
Band13	5MHz	QPSK	23205	25RB#0	0.15~30	-54.44	PASS
Band13	5MHz	QPSK	23205	25RB#0	30~1000	-51.87	PASS
Band13	5MHz	QPSK	23205	25RB#0	1000~3000	-46.87	PASS
Band13	5MHz	QPSK	23205	25RB#0	3000~10000	-43.65	PASS
Band13	5MHz	QPSK	23230	25RB#0	0.009~0.15	-39.70	PASS
Band13	5MHz	QPSK	23230	25RB#0	0.15~30	-53.88	PASS
Band13	5MHz	QPSK	23230	25RB#0	30~1000	-52.82	PASS
Band13	5MHz	QPSK	23230	25RB#0	1000~3000	-47.08	PASS
Band13	5MHz	QPSK	23230	25RB#0	3000~10000	-44.08	PASS
Band13	5MHz	QPSK	23255	25RB#0	0.009~0.15	-42.43	PASS
Band13	5MHz	QPSK	23255	25RB#0	0.15~30	-54.28	PASS
Band13	5MHz	QPSK	23255	25RB#0	30~1000	-56.34	PASS
Band13	5MHz	QPSK	23255	25RB#0	1000~3000	-47.08	PASS
Band13	5MHz	QPSK	23255	25RB#0	3000~10000	-44.02	PASS
Band13	5MHz	16QAM	23205	25RB#0	0.009~0.15	-40.47	PASS
Band13	5MHz	16QAM	23205	25RB#0	0.15~30	-52.30	PASS
Band13	5MHz	16QAM	23205	25RB#0	30~1000	-54.89	PASS
Band13	5MHz	16QAM	23205	25RB#0	1000~3000	-46.94	PASS
Band13	5MHz	16QAM	23205	25RB#0	3000~10000	-44.21	PASS
Band13	5MHz	16QAM	23230	25RB#0	0.009~0.15	-41.17	PASS
Band13	5MHz	16QAM	23230	25RB#0	0.15~30	-53.66	PASS
Band13	5MHz	16QAM	23230	25RB#0	30~1000	-55.19	PASS
Band13	5MHz	16QAM	23230	25RB#0	1000~3000	-46.70	PASS
Band13	5MHz	16QAM	23230	25RB#0	3000~10000	-43.99	PASS
Band13	5MHz	16QAM	23255	25RB#0	0.009~0.15	-39.18	PASS
Band13	5MHz	16QAM	23255	25RB#0	0.15~30	-53.70	PASS
Band13	5MHz	16QAM	23255	25RB#0	30~1000	-58.13	PASS
Band13	5MHz	16QAM	23255	25RB#0	1000~3000	-46.61	PASS
Band13	5MHz	16QAM	23255	25RB#0	3000~10000	-44.08	PASS
Band13	10MHz	QPSK	23230	50RB#0	0.009~0.15	-40.15	PASS
Band13	10MHz	QPSK	23230	50RB#0	0.15~30	-53.75	PASS
Band13	10MHz	QPSK	23230	50RB#0	30~1000	-62.04	PASS
Band13	10MHz	QPSK	23230	50RB#0	1000~3000	-46.90	PASS
Band13	10MHz	QPSK	23230	50RB#0	3000~10000	-43.57	PASS
Band13	10MHz	16QAM	23230	50RB#0	0.009~0.15	-42.84	PASS

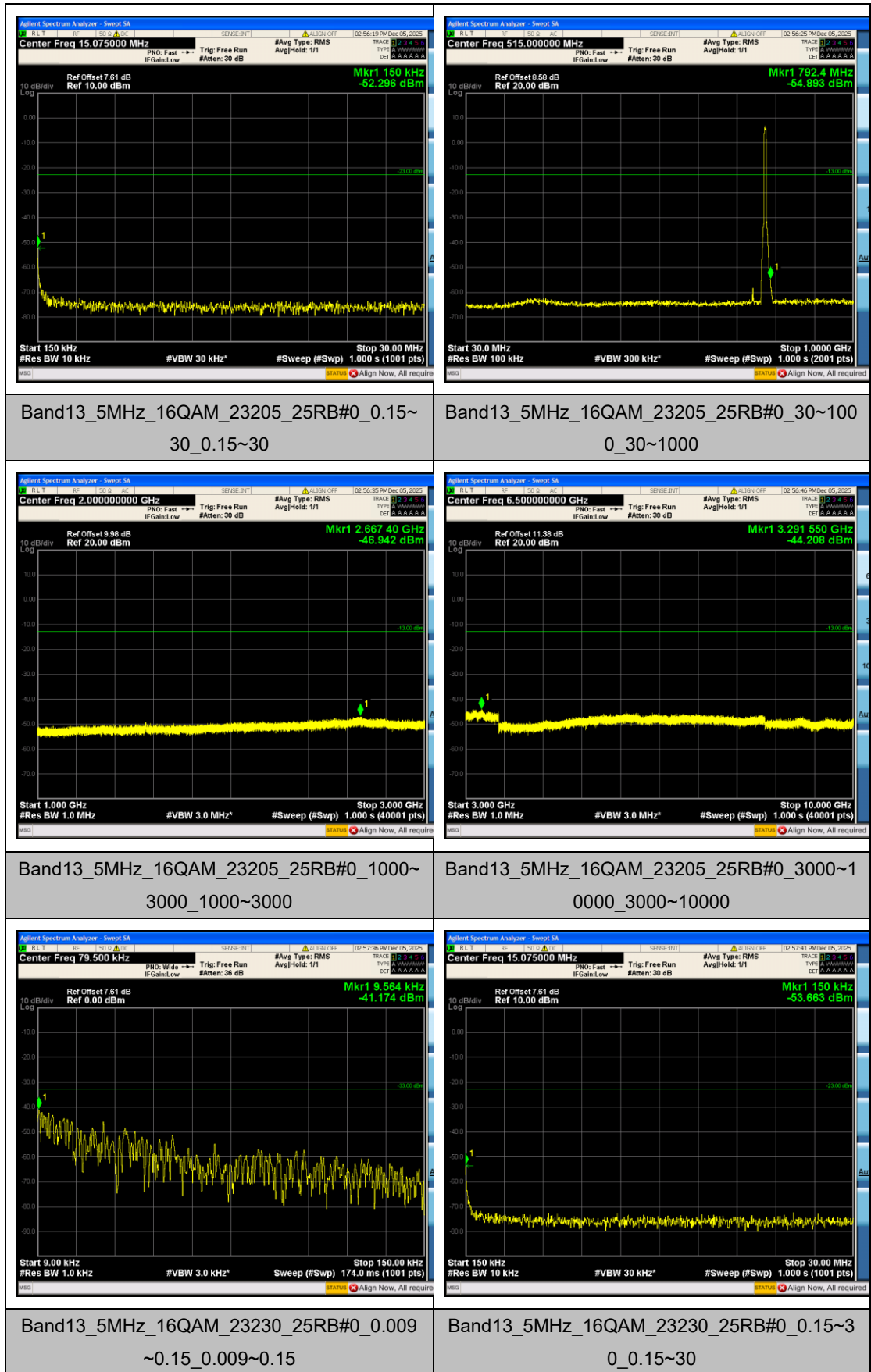
Band13	10MHz	16QAM	23230	50RB#0	0.15~30	-53.92	PASS
Band13	10MHz	16QAM	23230	50RB#0	30~1000	-62.37	PASS
Band13	10MHz	16QAM	23230	50RB#0	1000~3000	-46.61	PASS
Band13	10MHz	16QAM	23230	50RB#0	3000~10000	-43.88	PASS

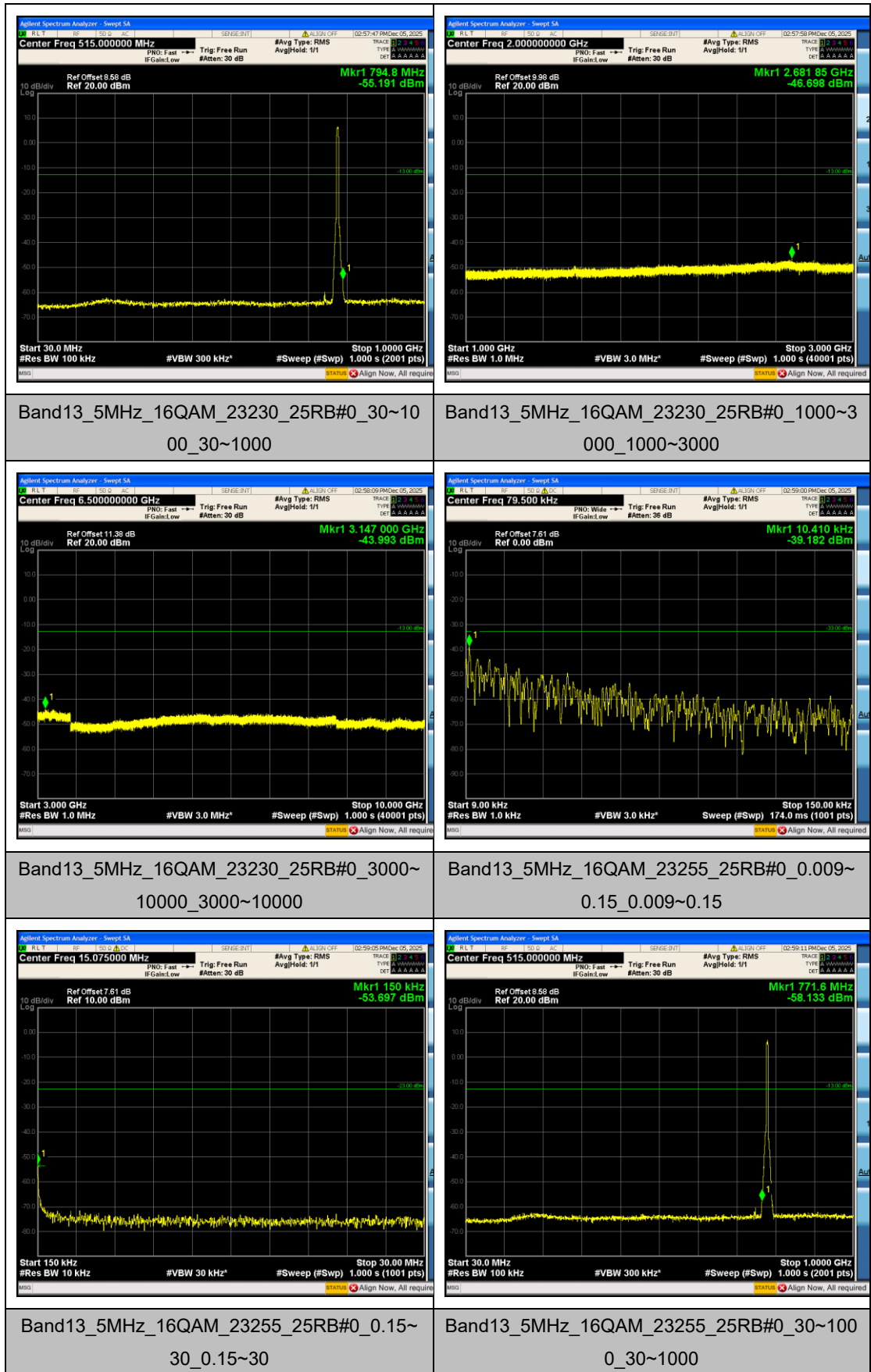
Test Graphs

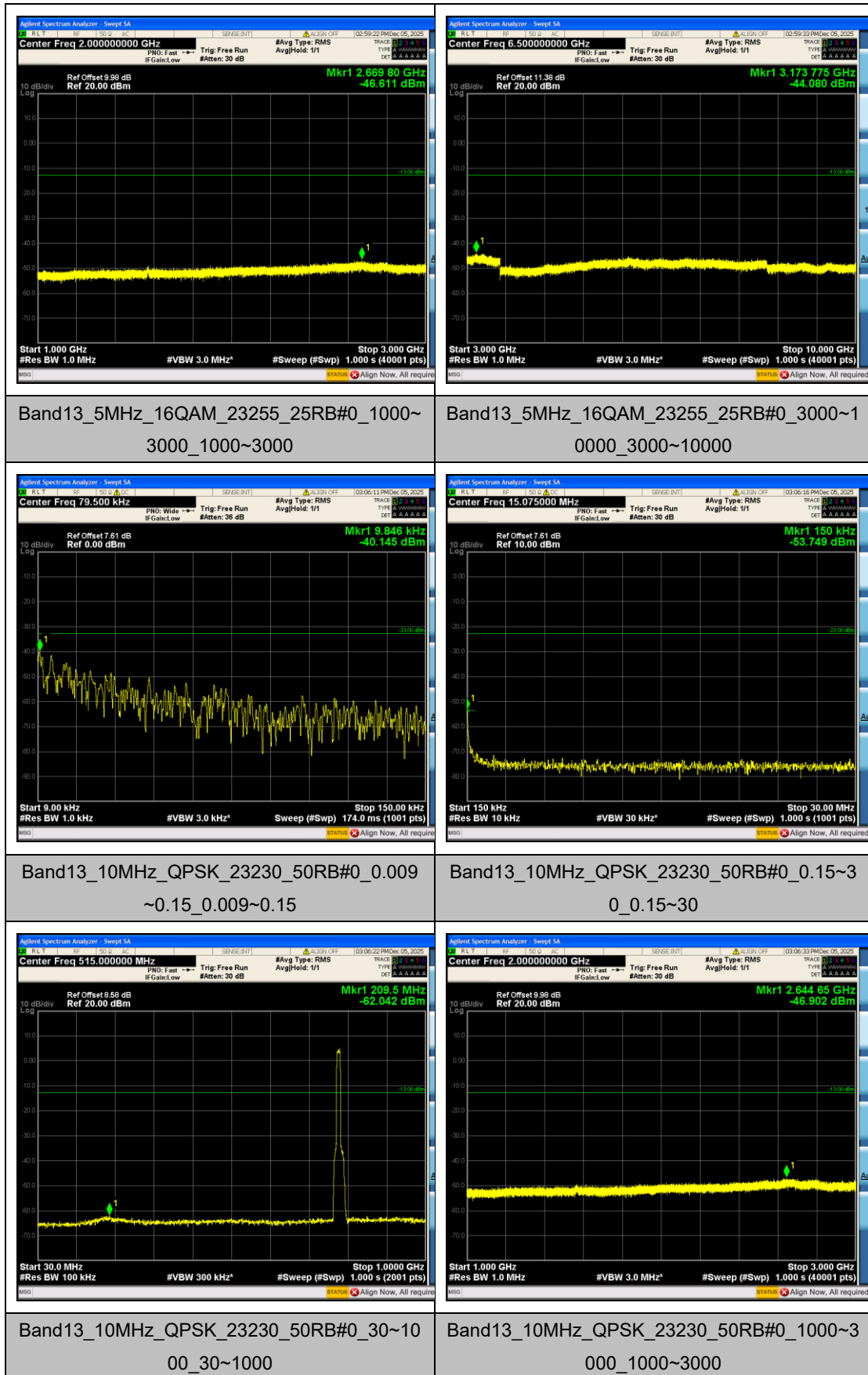


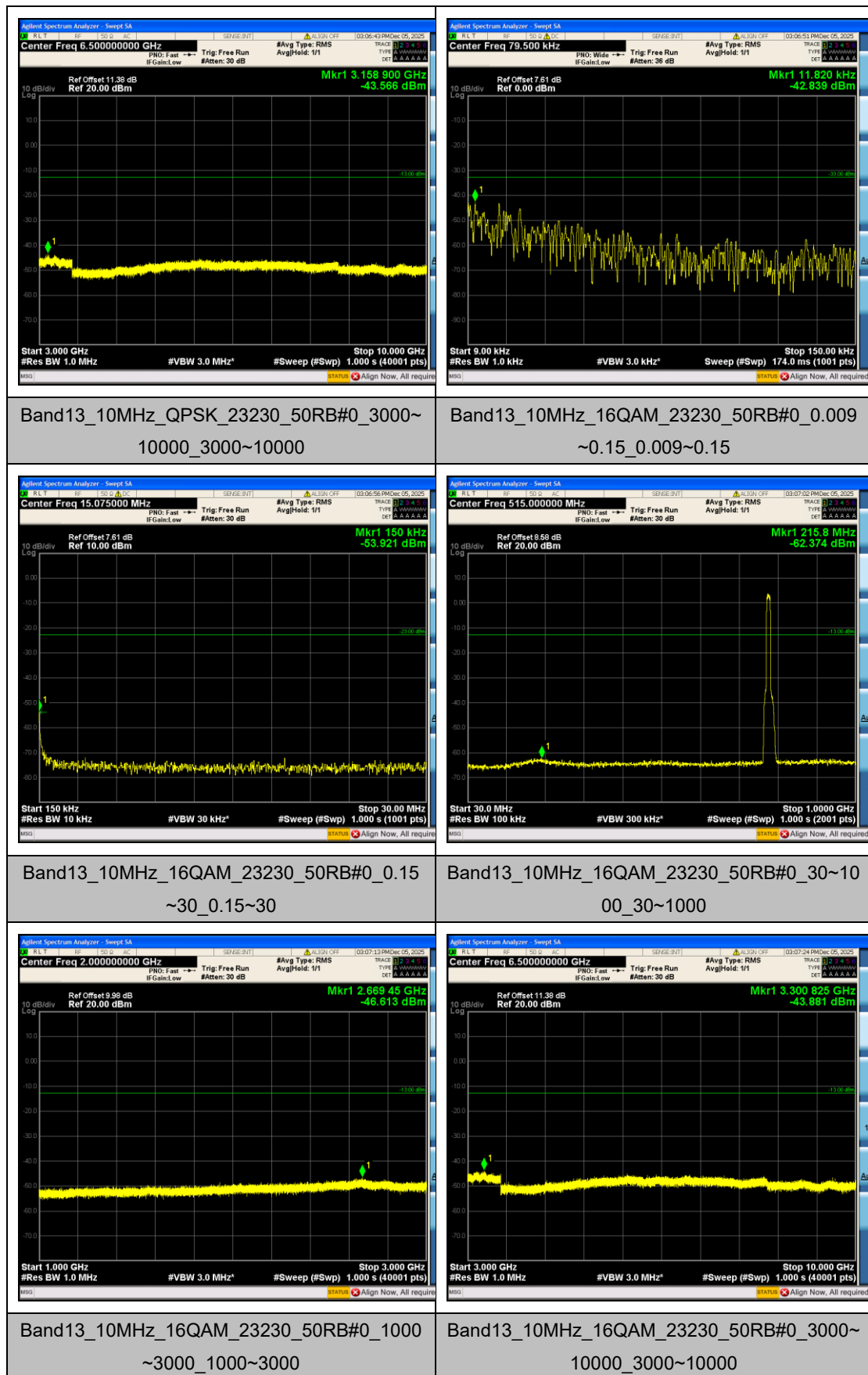












Appendix F: Frequency Stability

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	-3.83	-0.004913	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	-2.68	-0.003438	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	2.32	0.002976	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	-3.83	-0.004913	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	-1.73	-0.002219	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	-2.40	-0.003079	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	30	-2.55	-0.003271	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	-3.40	-0.004362	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	50	-4.25	-0.005452	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	2.33	0.002980	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	-3.20	-0.004092	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-10	2.49	0.003184	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	3.08	0.003939	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	-3.49	-0.004463	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	2.73	0.003491	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	30	-2.59	-0.003312	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	40	-1.17	-0.001496	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	50	-3.38	-0.004322	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	2.63	0.003352	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	2.73	0.003480	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-10	-2.89	-0.003684	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	2.63	0.003352	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	3.83	0.004882	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	2.42	0.003085	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	30	2.85	0.003633	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	40	4.28	0.005456	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	50	3.68	0.004691	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	-1.67	-0.002142	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	-2.69	-0.003451	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-10	4.13	0.005298	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	-2.56	-0.003284	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	-4.06	-0.005208	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	3.99	0.005119	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	30	2.85	0.003656	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	40	-1.60	-0.002053	±2.5	PASS

Band13	5MHz	16QAM	23205	25RB#0	NV	50	-2.70	-0.003464	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	-3.22	-0.004118	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	-2.63	-0.003363	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-10	-2.39	-0.003056	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	-1.83	-0.002340	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	3.50	0.004476	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	-2.65	-0.003389	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	30	-2.90	-0.003708	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	40	1.09	0.001394	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	50	1.96	0.002506	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	4.82	0.006144	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	5.69	0.007253	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-10	6.07	0.007737	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	5.64	0.007189	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	5.26	0.006705	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	3.81	0.004857	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	30	5.39	0.006871	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	40	4.56	0.005813	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	50	3.56	0.004538	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-4.11	-0.005256	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	-2.17	-0.002775	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	-2.12	-0.002711	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	1.42	0.001816	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-3.58	-0.004578	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-3.55	-0.004540	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	1.44	0.001841	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-2.09	-0.002673	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	2.49	0.003184	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	-3.33	-0.004258	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	-1.65	-0.002110	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-10	-2.86	-0.003657	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	-1.82	-0.002327	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	-1.95	-0.002494	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	-1.75	-0.002238	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	30	1.37	0.001752	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	40	2.88	0.003683	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	50	-2.63	-0.003363	±2.5	PASS