

FCC LTE Band Test Data

FCC ID : 2BF4O-CC4PRO

Company: : Shenzhen TEYES High tech Co., Ltd.

EUT : Car Headunit

Model Number : CC4PRO

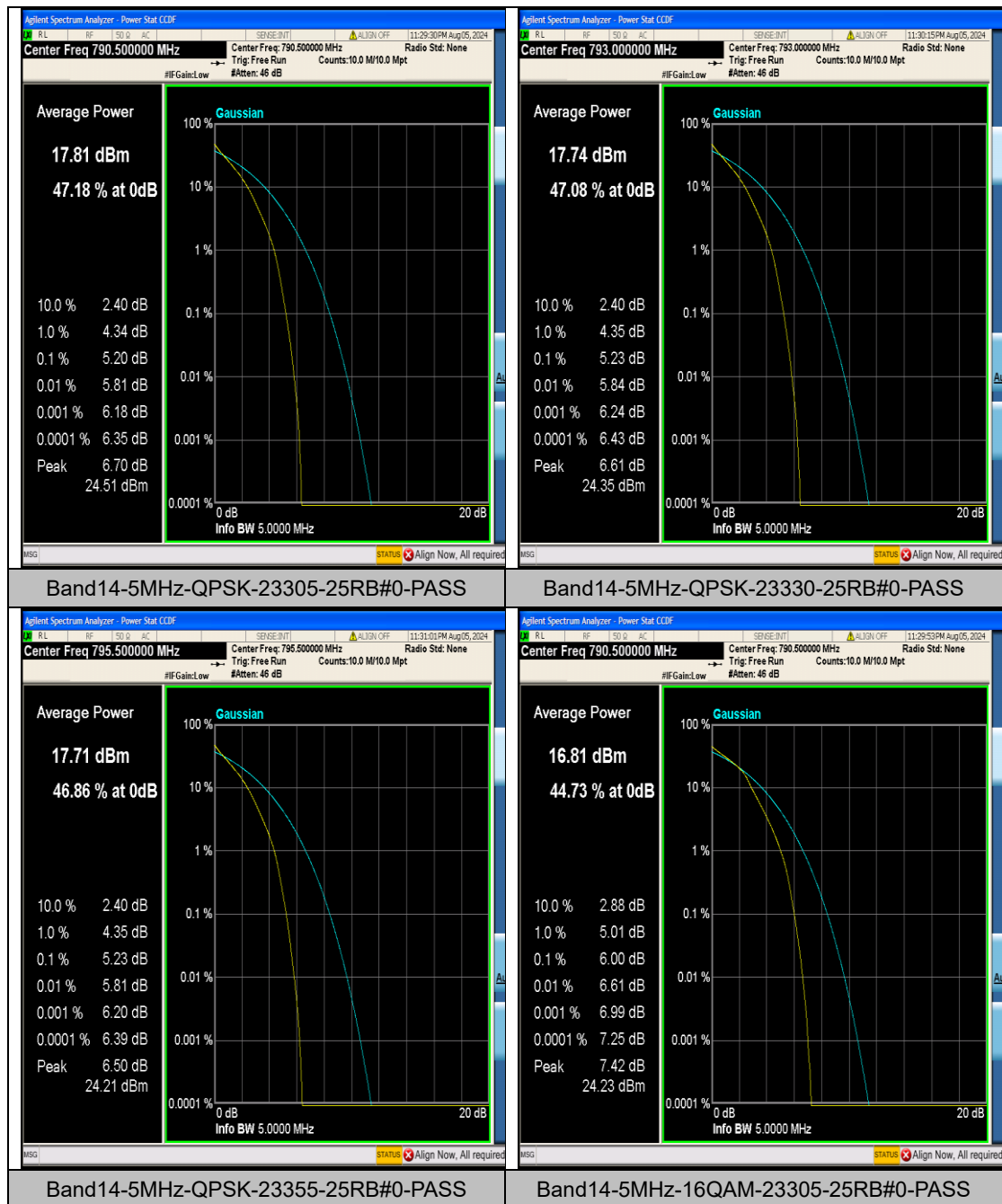
Reviewed By : Eric Wang

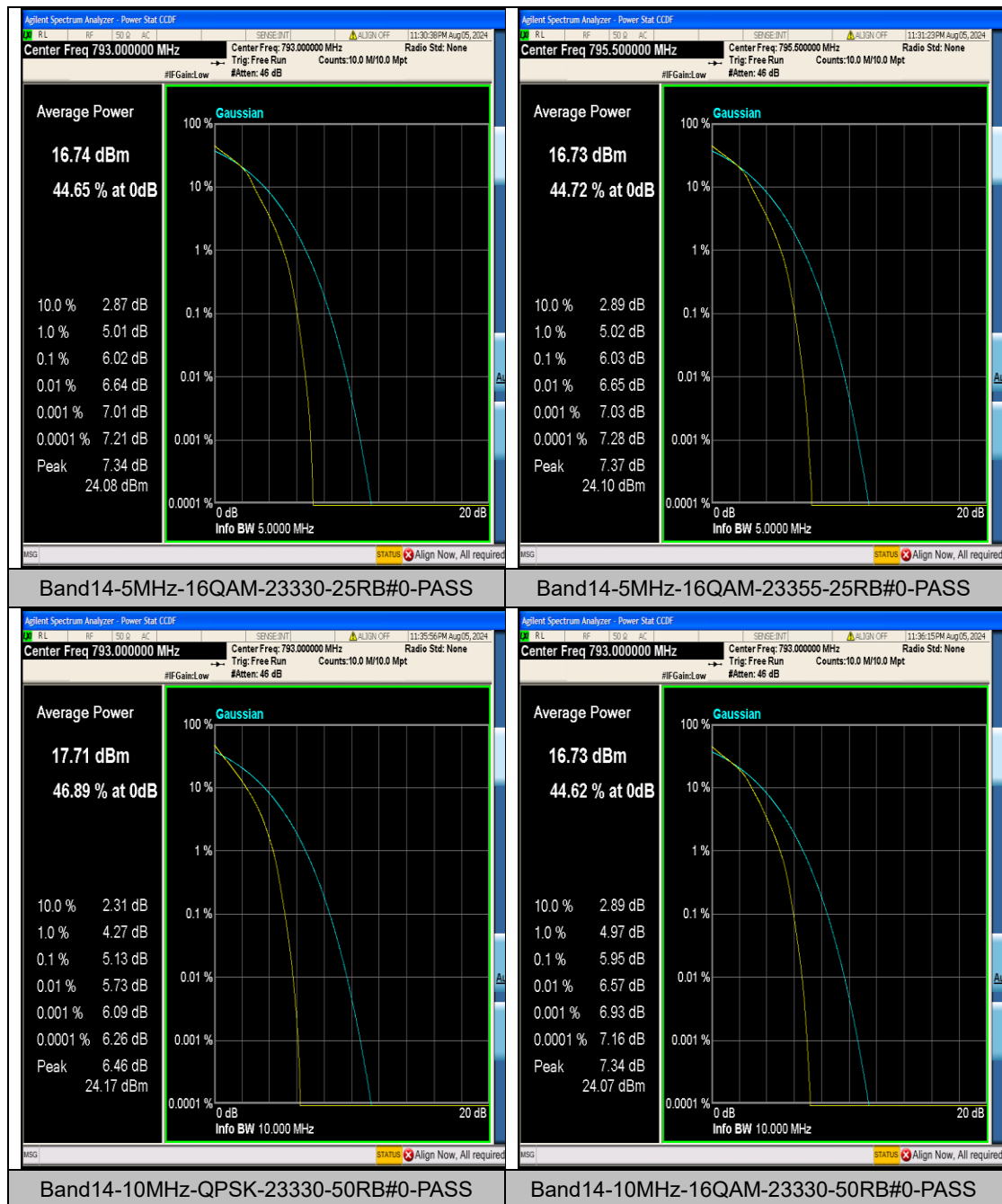
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	5.20	13	PASS
Band14	5MHz	QPSK	23330	25RB#0	5.23	13	PASS
Band14	5MHz	QPSK	23355	25RB#0	5.23	13	PASS
Band14	5MHz	16QAM	23305	25RB#0	6.00	13	PASS
Band14	5MHz	16QAM	23330	25RB#0	6.02	13	PASS
Band14	5MHz	16QAM	23355	25RB#0	6.03	13	PASS
Band14	10MHz	QPSK	23330	50RB#0	5.13	13	PASS
Band14	10MHz	16QAM	23330	50RB#0	5.95	13	PASS

Test Graphs



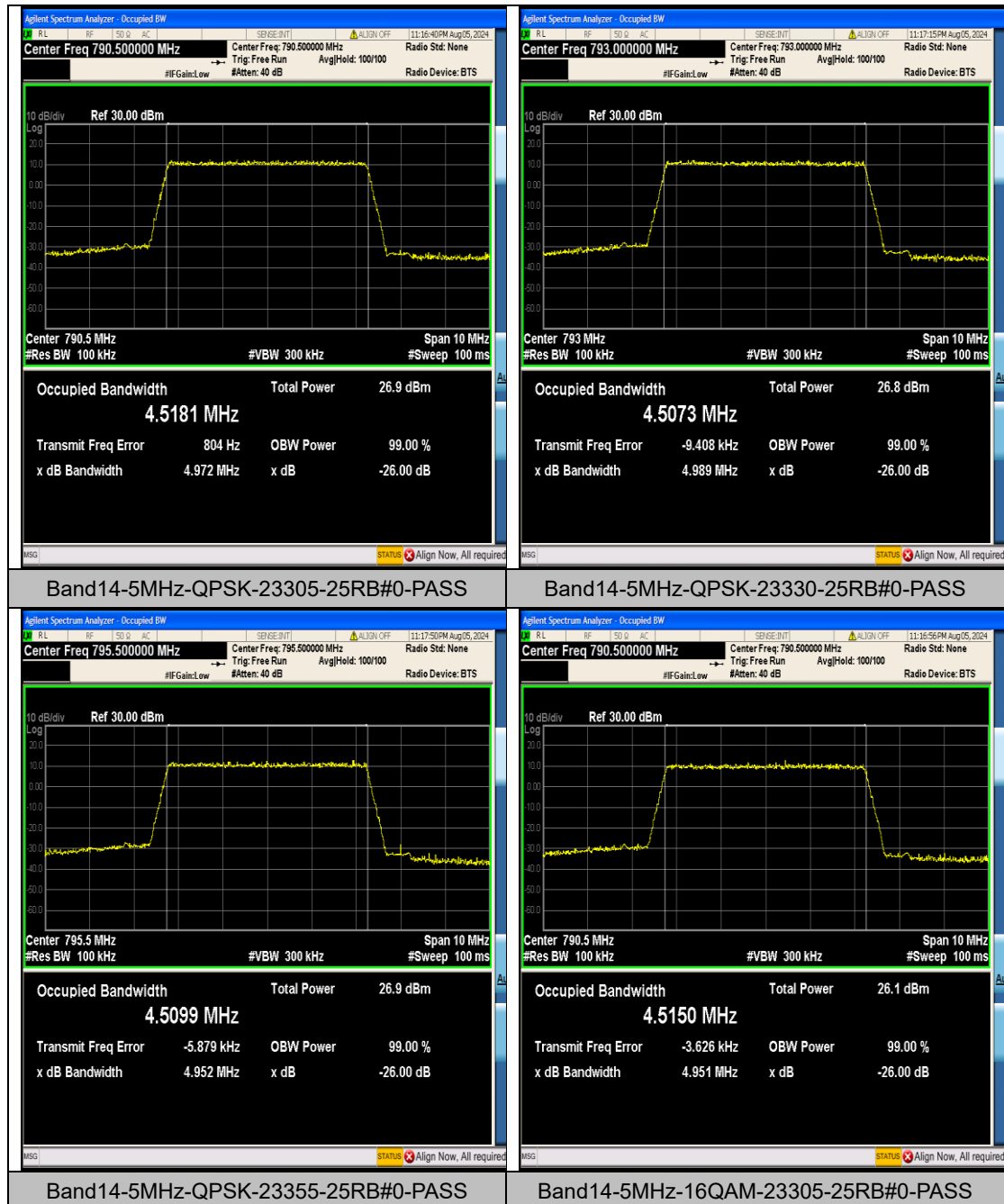


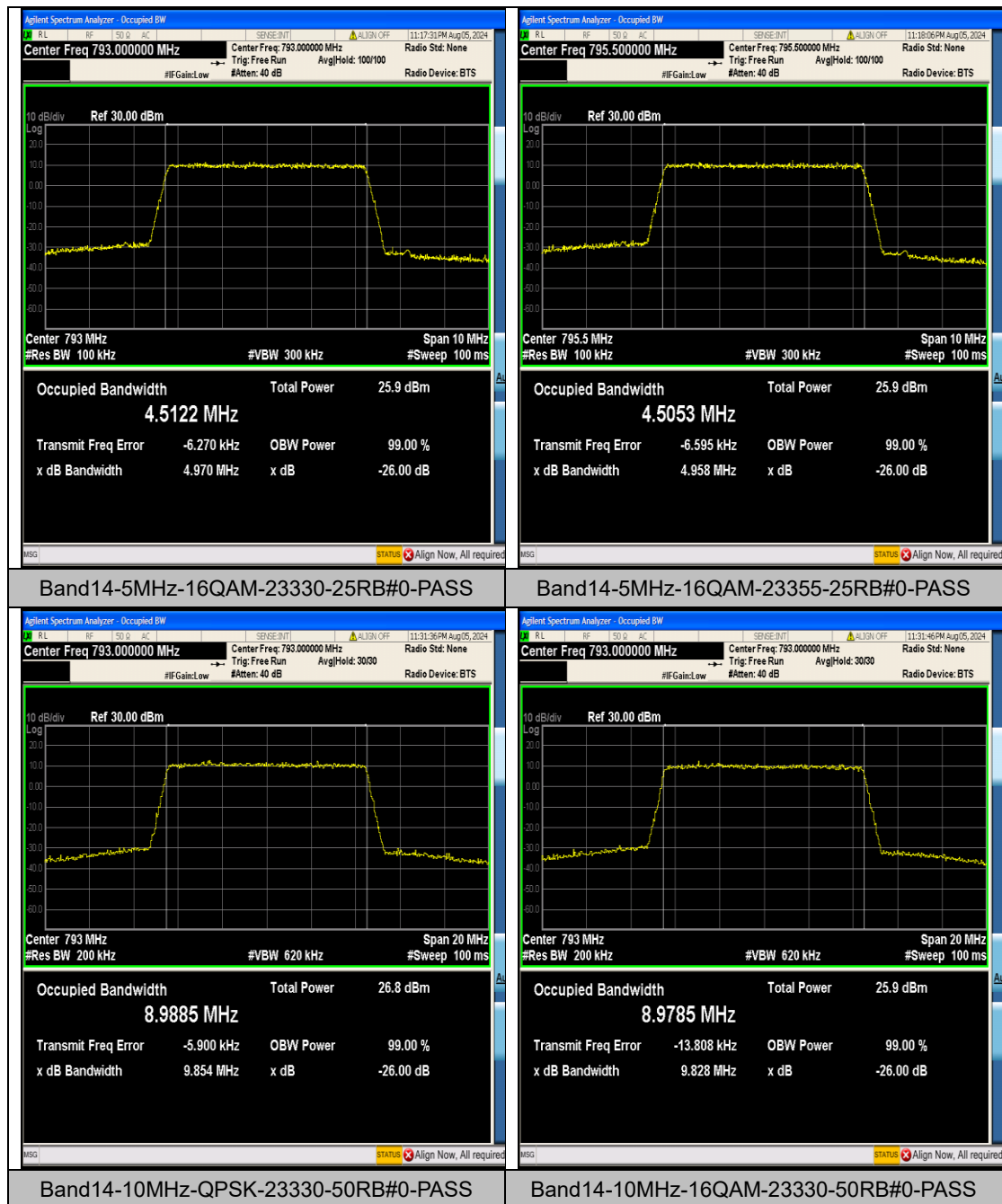
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.5181	4.972	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.5073	4.989	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.5099	4.952	PASS
Band14	5MHz	16QAM	23305	25RB#0	4.5150	4.951	PASS
Band14	5MHz	16QAM	23330	25RB#0	4.5122	4.970	PASS
Band14	5MHz	16QAM	23355	25RB#0	4.5053	4.958	PASS
Band14	10MHz	QPSK	23330	50RB#0	8.9885	9.854	PASS
Band14	10MHz	16QAM	23330	50RB#0	8.9785	9.828	PASS

Test Graphs



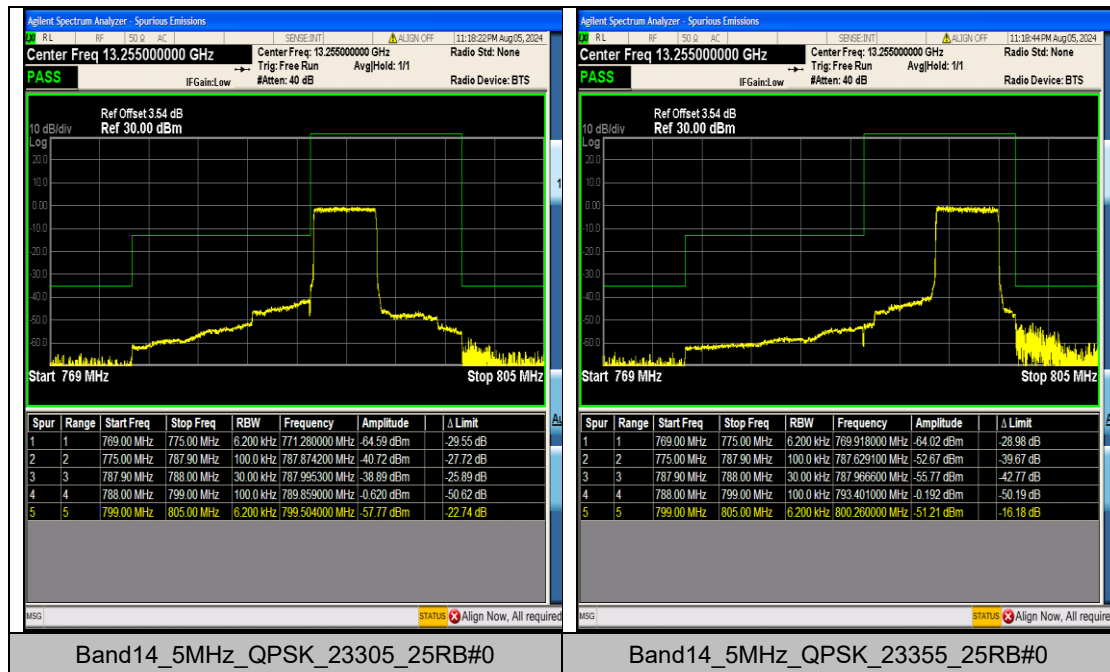


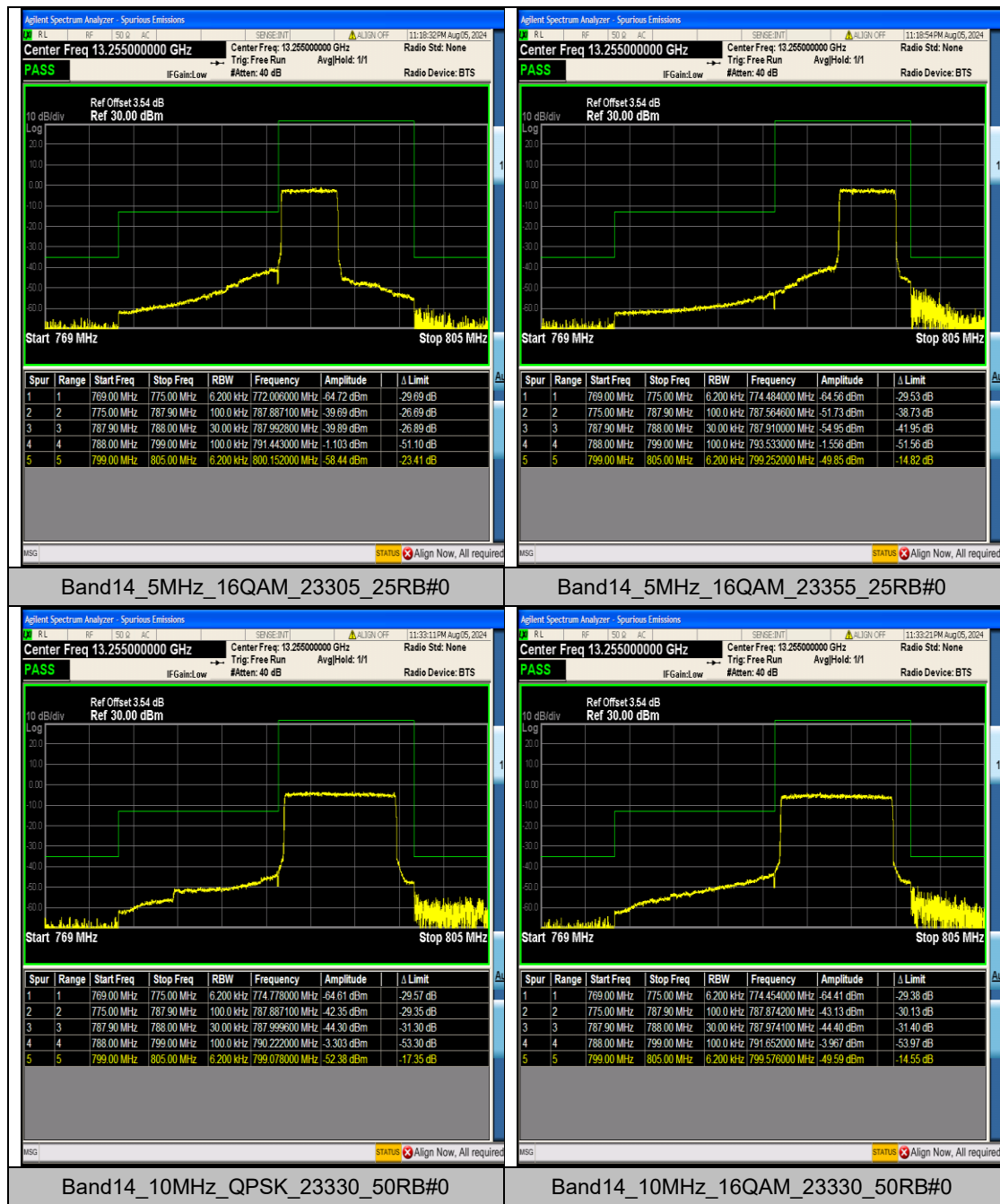
Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	-57.77	PASS
Band14	5MHz	QPSK	23355	25RB#0	-51.21	PASS
Band14	5MHz	16QAM	23305	25RB#0	-58.44	PASS
Band14	5MHz	16QAM	23355	25RB#0	-49.85	PASS
Band14	10MHz	QPSK	23330	50RB#0	-52.38	PASS
Band14	10MHz	16QAM	23330	50RB#0	-49.59	PASS

Test Graphs





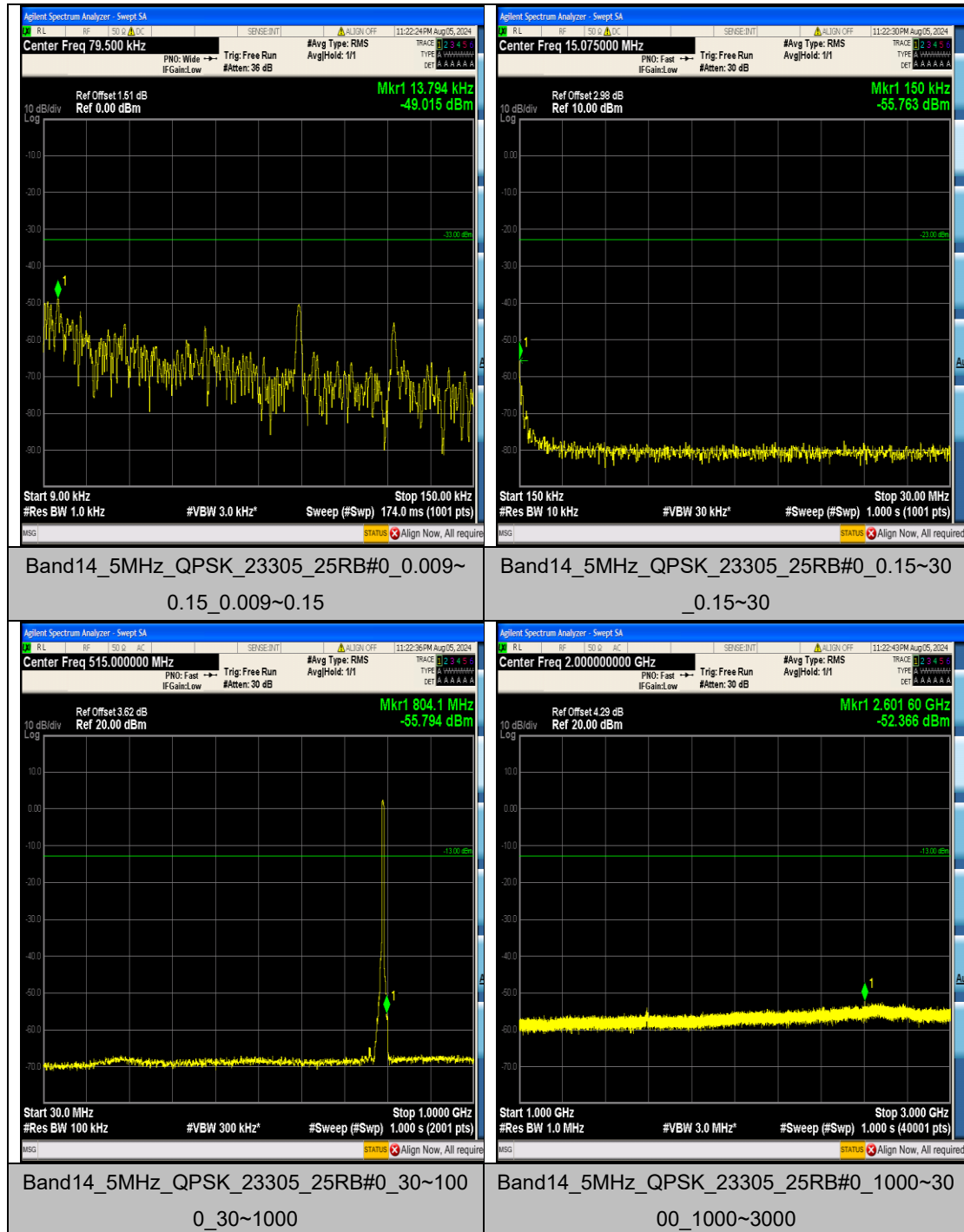
Appendix E: Conducted Spurious Emission

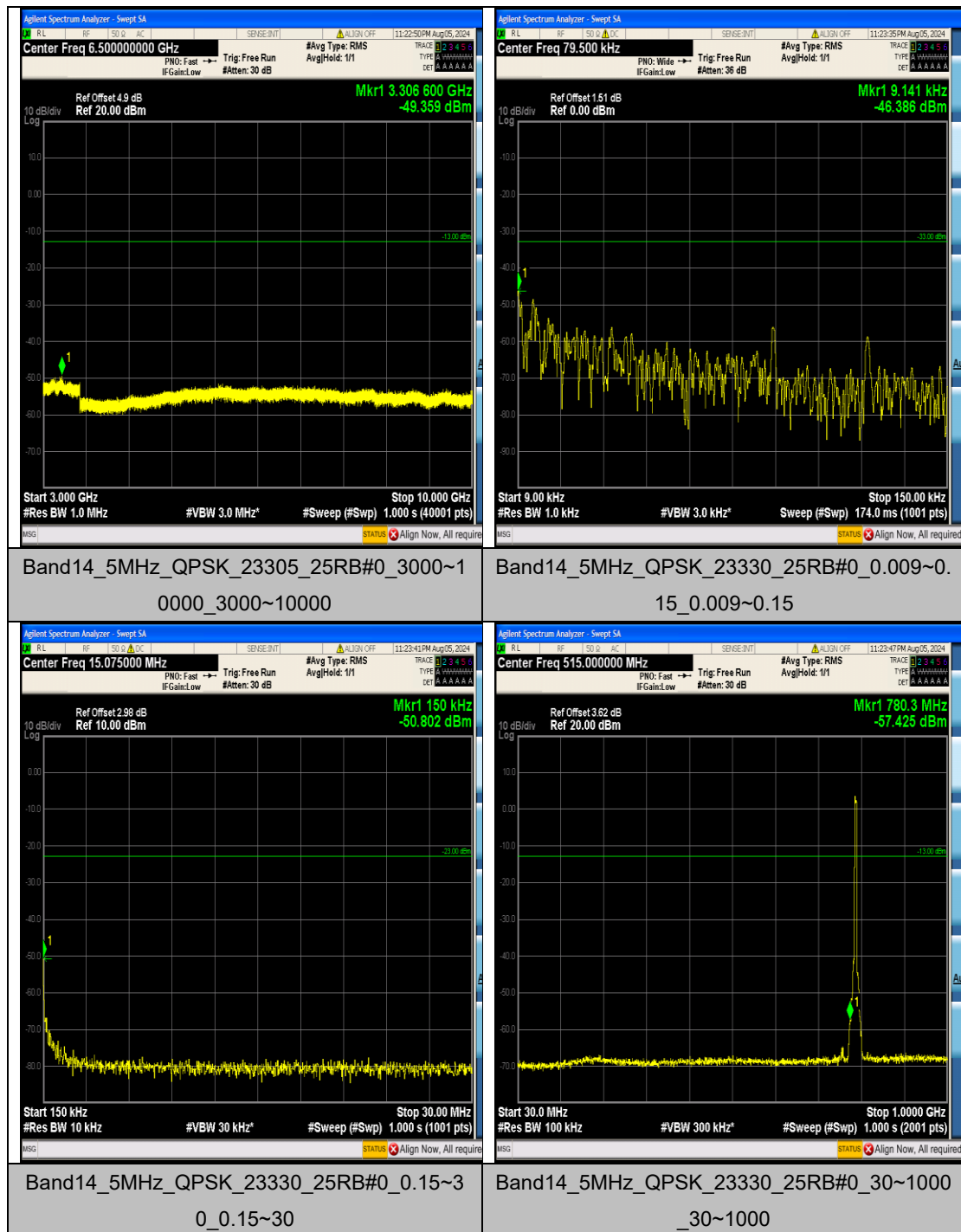
Test Result

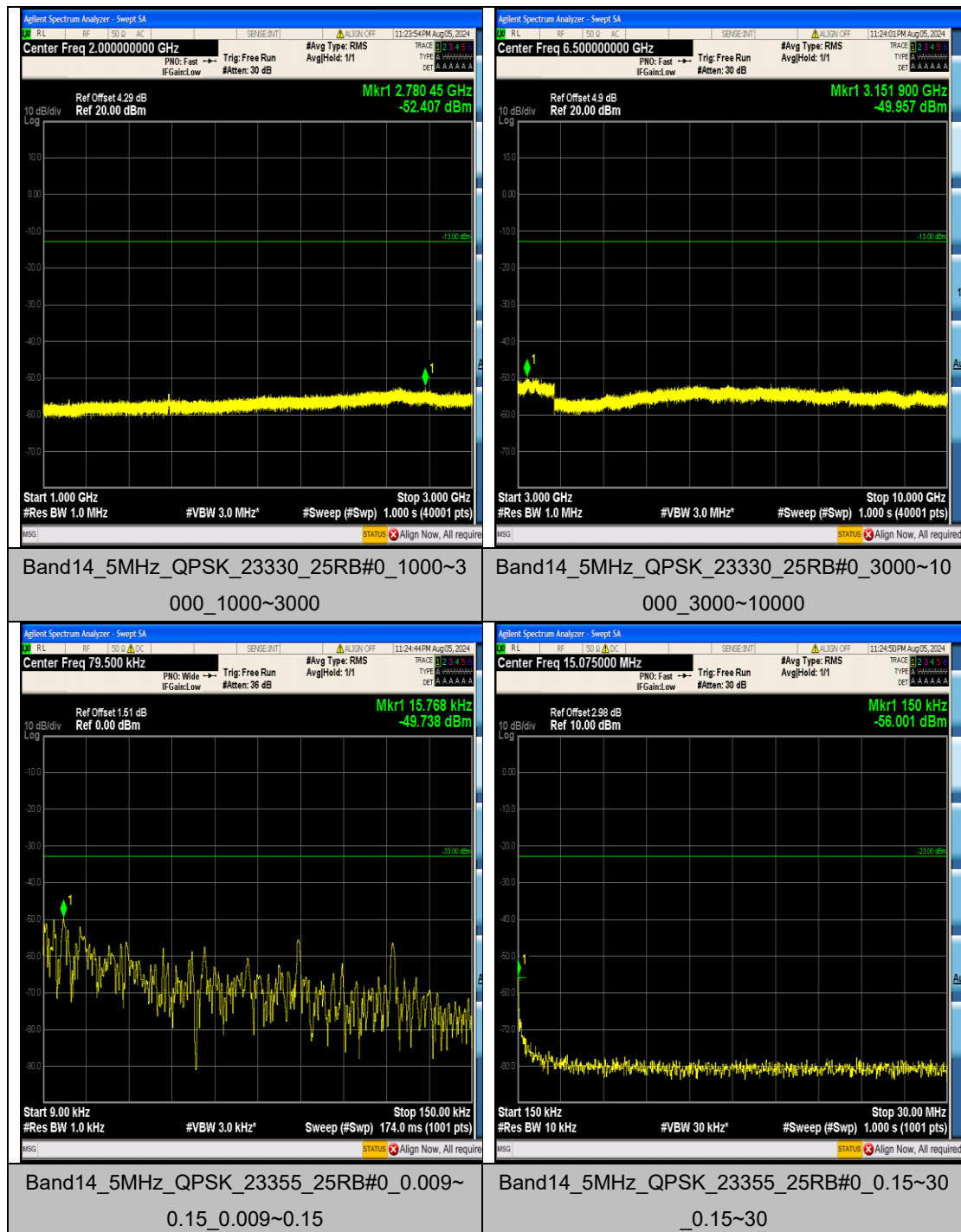
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	0.009~0.15	-49.02	PASS
Band14	5MHz	QPSK	23305	25RB#0	0.15~30	-55.76	PASS
Band14	5MHz	QPSK	23305	25RB#0	30~1000	-55.79	PASS
Band14	5MHz	QPSK	23305	25RB#0	1000~3000	-52.37	PASS
Band14	5MHz	QPSK	23305	25RB#0	3000~10000	-49.36	PASS
Band14	5MHz	QPSK	23330	25RB#0	0.009~0.15	-46.39	PASS
Band14	5MHz	QPSK	23330	25RB#0	0.15~30	-50.80	PASS
Band14	5MHz	QPSK	23330	25RB#0	30~1000	-57.43	PASS
Band14	5MHz	QPSK	23330	25RB#0	1000~3000	-52.41	PASS
Band14	5MHz	QPSK	23330	25RB#0	3000~10000	-49.96	PASS
Band14	5MHz	QPSK	23355	25RB#0	0.009~0.15	-49.74	PASS
Band14	5MHz	QPSK	23355	25RB#0	0.15~30	-56.00	PASS
Band14	5MHz	QPSK	23355	25RB#0	30~1000	-56.77	PASS
Band14	5MHz	QPSK	23355	25RB#0	1000~3000	-52.28	PASS
Band14	5MHz	QPSK	23355	25RB#0	3000~10000	-50.06	PASS
Band14	5MHz	16QAM	23305	25RB#0	0.009~0.15	-48.94	PASS
Band14	5MHz	16QAM	23305	25RB#0	0.15~30	-52.96	PASS
Band14	5MHz	16QAM	23305	25RB#0	30~1000	-60.40	PASS
Band14	5MHz	16QAM	23305	25RB#0	1000~3000	-52.13	PASS
Band14	5MHz	16QAM	23305	25RB#0	3000~10000	-49.93	PASS
Band14	5MHz	16QAM	23330	25RB#0	0.009~0.15	-49.26	PASS
Band14	5MHz	16QAM	23330	25RB#0	0.15~30	-53.53	PASS
Band14	5MHz	16QAM	23330	25RB#0	30~1000	-58.88	PASS
Band14	5MHz	16QAM	23330	25RB#0	1000~3000	-52.46	PASS
Band14	5MHz	16QAM	23330	25RB#0	3000~10000	-50.07	PASS
Band14	5MHz	16QAM	23355	25RB#0	0.009~0.15	-48.18	PASS
Band14	5MHz	16QAM	23355	25RB#0	0.15~30	-56.41	PASS
Band14	5MHz	16QAM	23355	25RB#0	30~1000	-59.51	PASS
Band14	5MHz	16QAM	23355	25RB#0	1000~3000	-52.69	PASS
Band14	5MHz	16QAM	23355	25RB#0	3000~10000	-49.78	PASS
Band14	10MHz	QPSK	23330	50RB#0	0.009~0.15	-48.23	PASS
Band14	10MHz	QPSK	23330	50RB#0	0.15~30	-53.05	PASS
Band14	10MHz	QPSK	23330	50RB#0	30~1000	-66.16	PASS
Band14	10MHz	QPSK	23330	50RB#0	1000~3000	-52.20	PASS
Band14	10MHz	QPSK	23330	50RB#0	3000~10000	-49.90	PASS
Band14	10MHz	16QAM	23330	50RB#0	0.009~0.15	-47.73	PASS

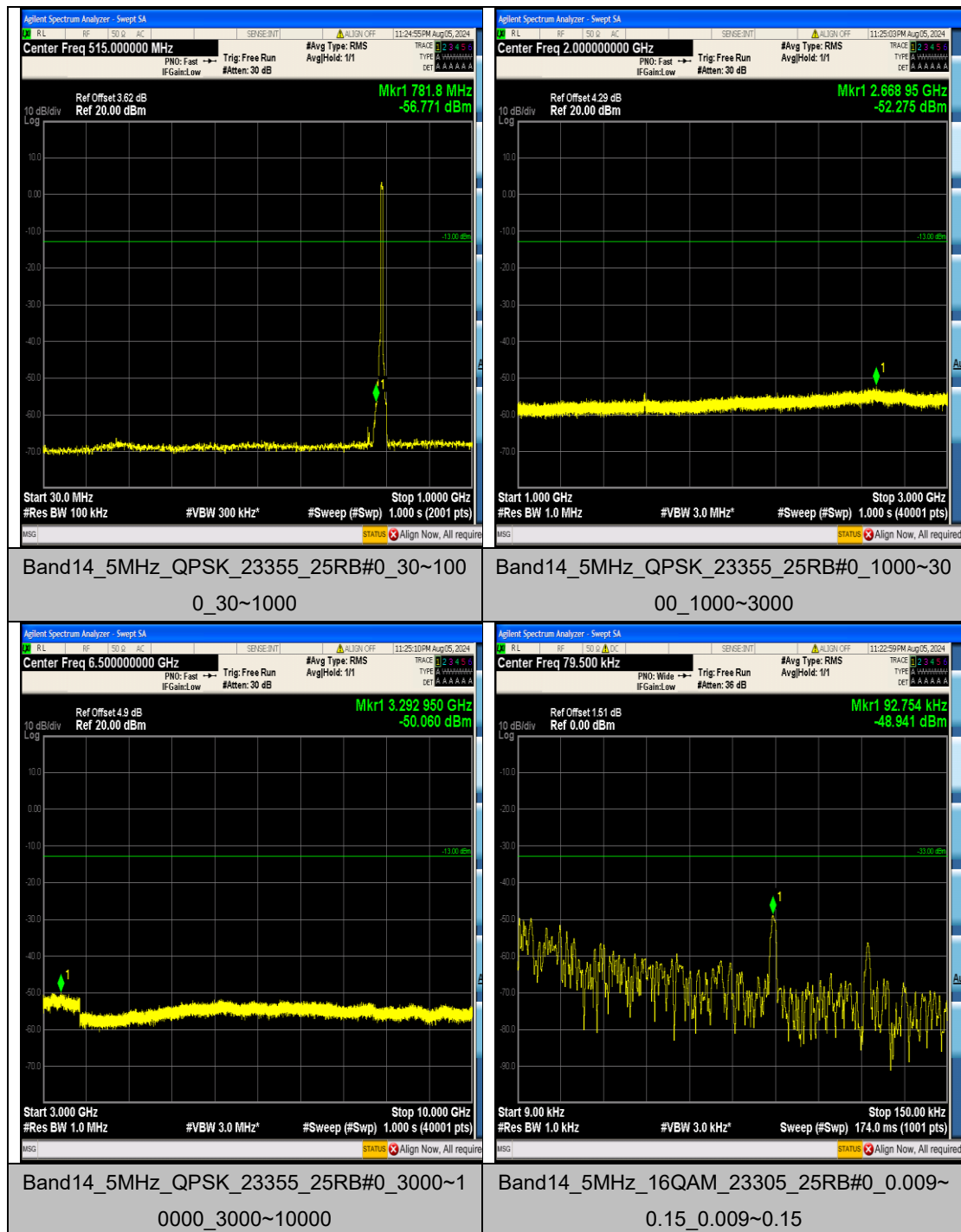
Band14	10MHz	16QAM	23330	50RB#0	0.15~30	-54.60	PASS
Band14	10MHz	16QAM	23330	50RB#0	30~1000	-66.63	PASS
Band14	10MHz	16QAM	23330	50RB#0	1000~3000	-52.68	PASS
Band14	10MHz	16QAM	23330	50RB#0	3000~10000	-49.88	PASS

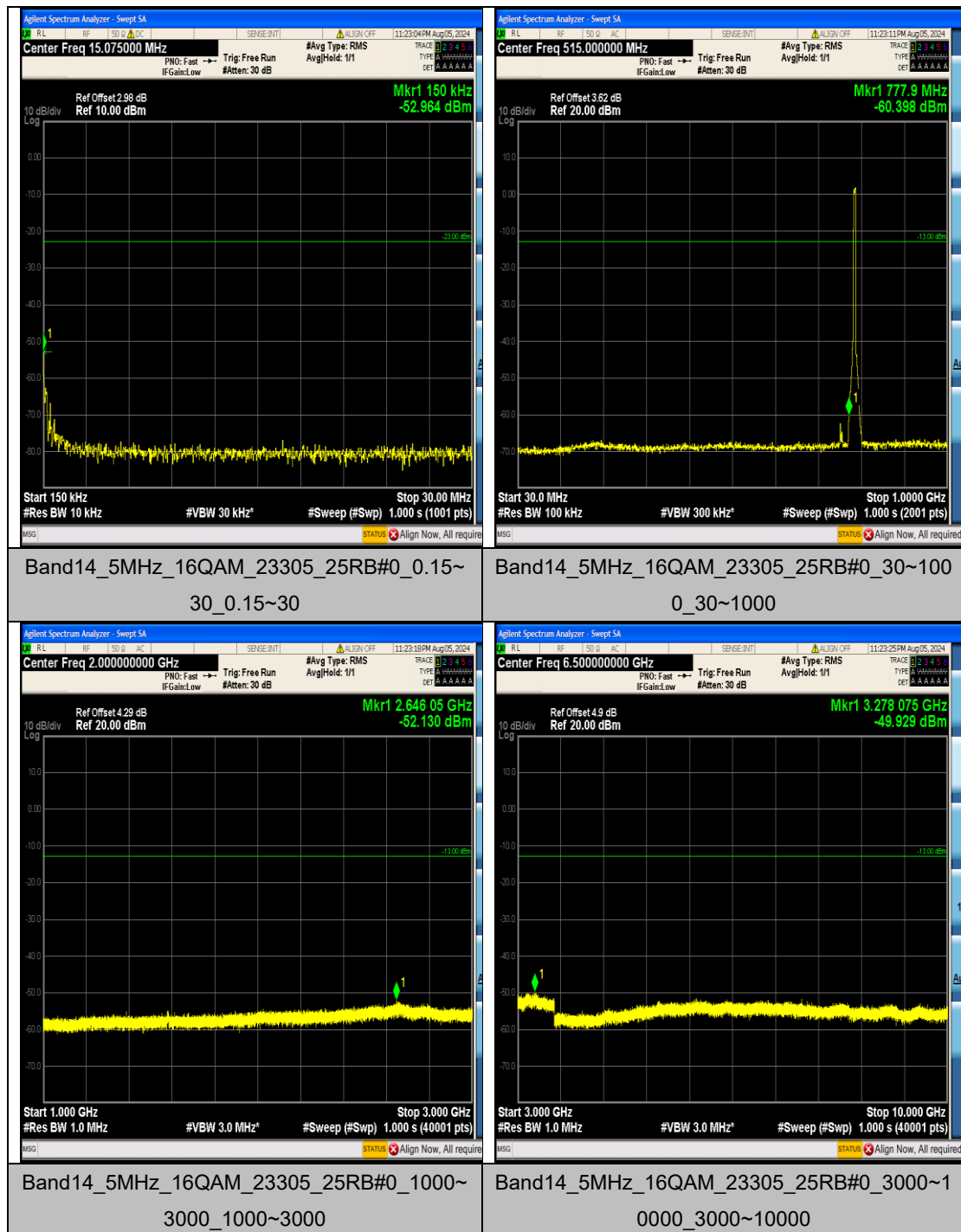
Test Graphs

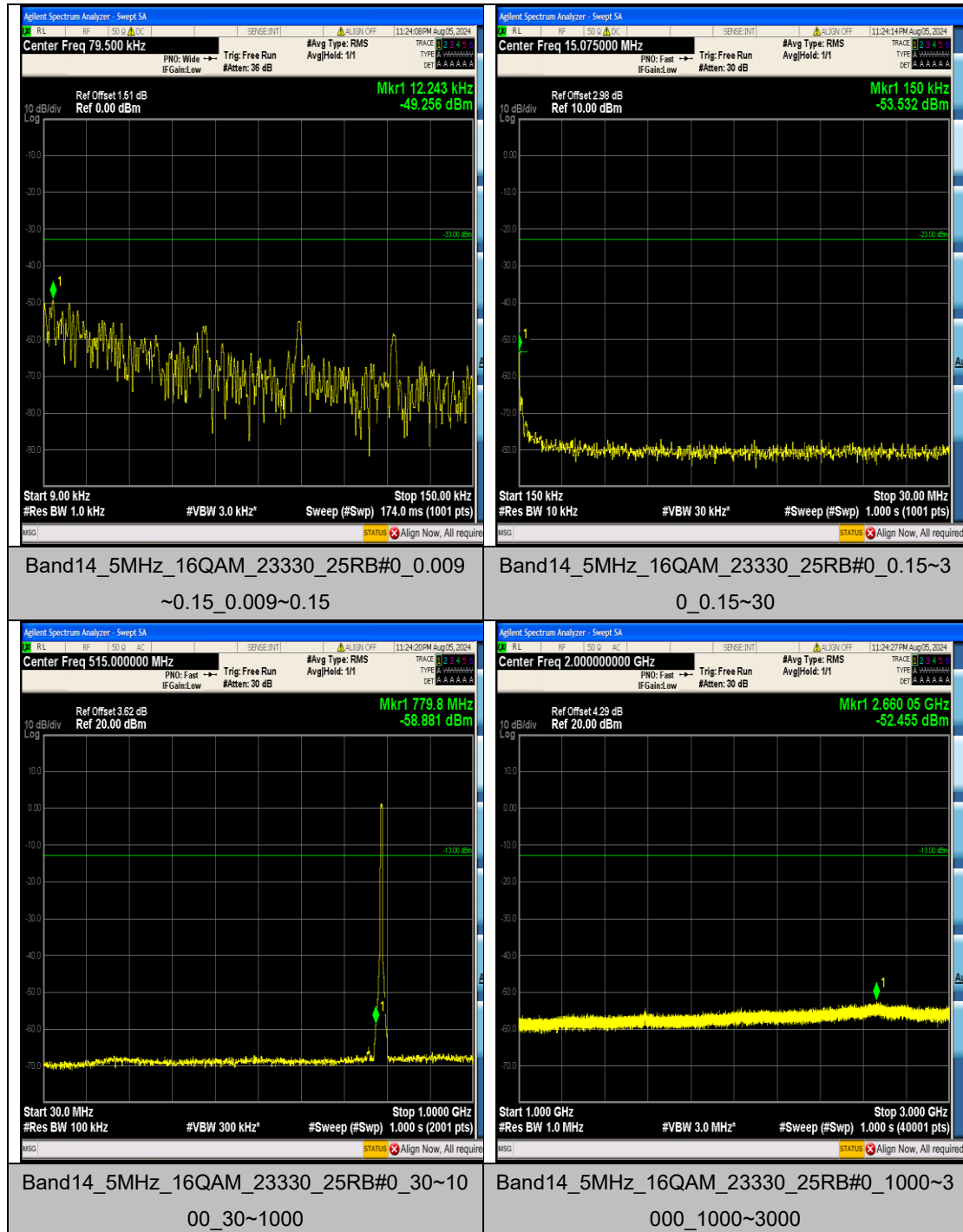


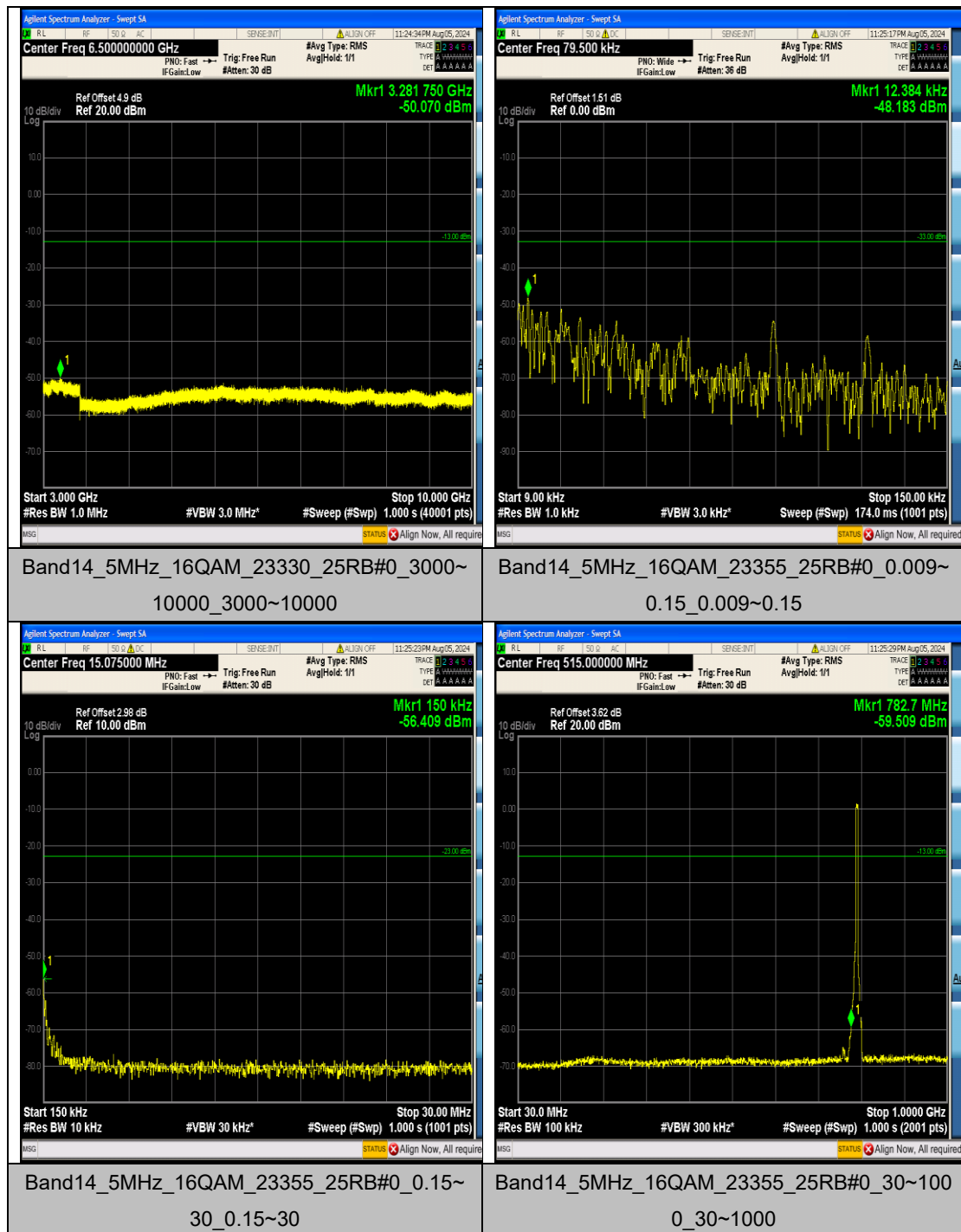


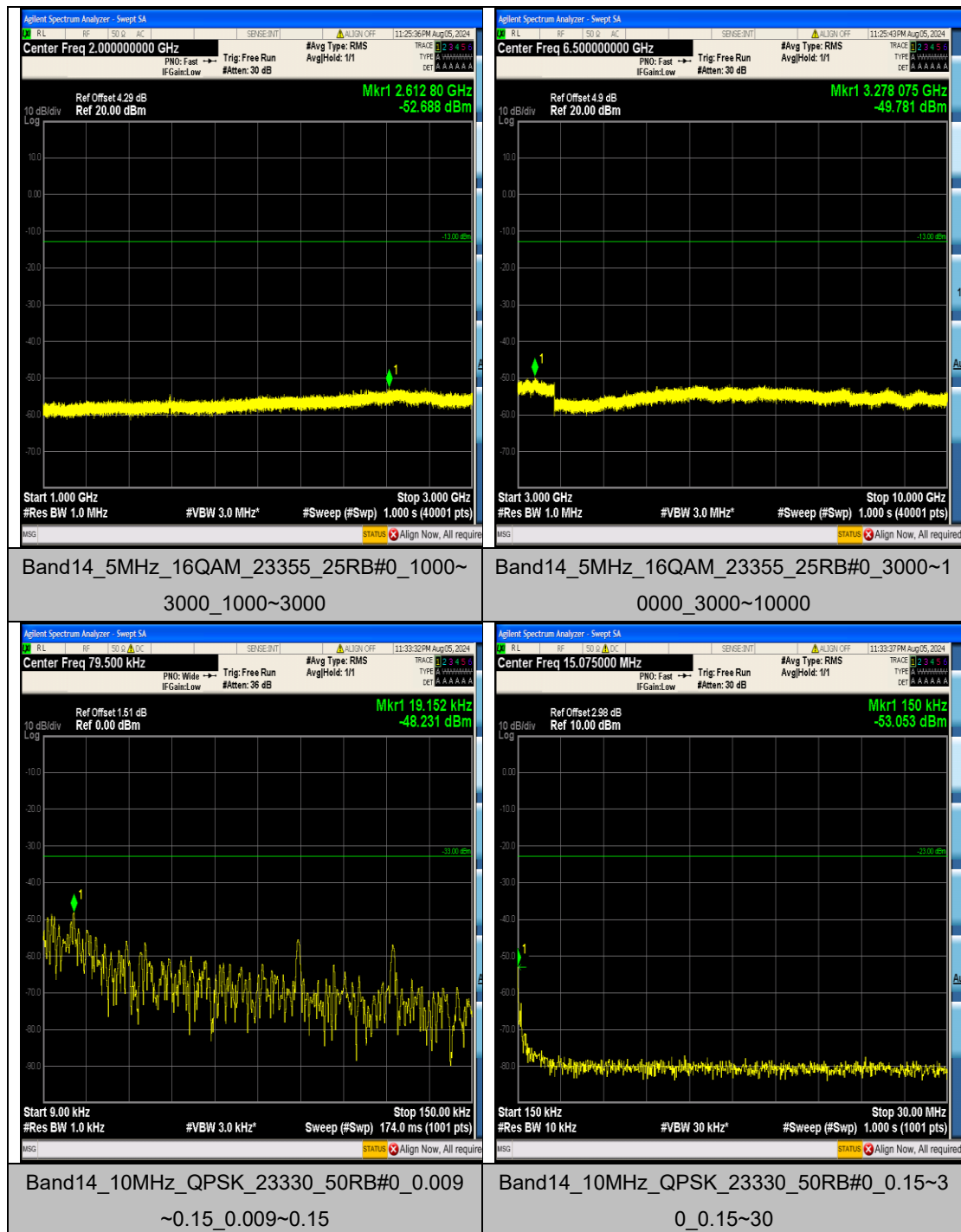


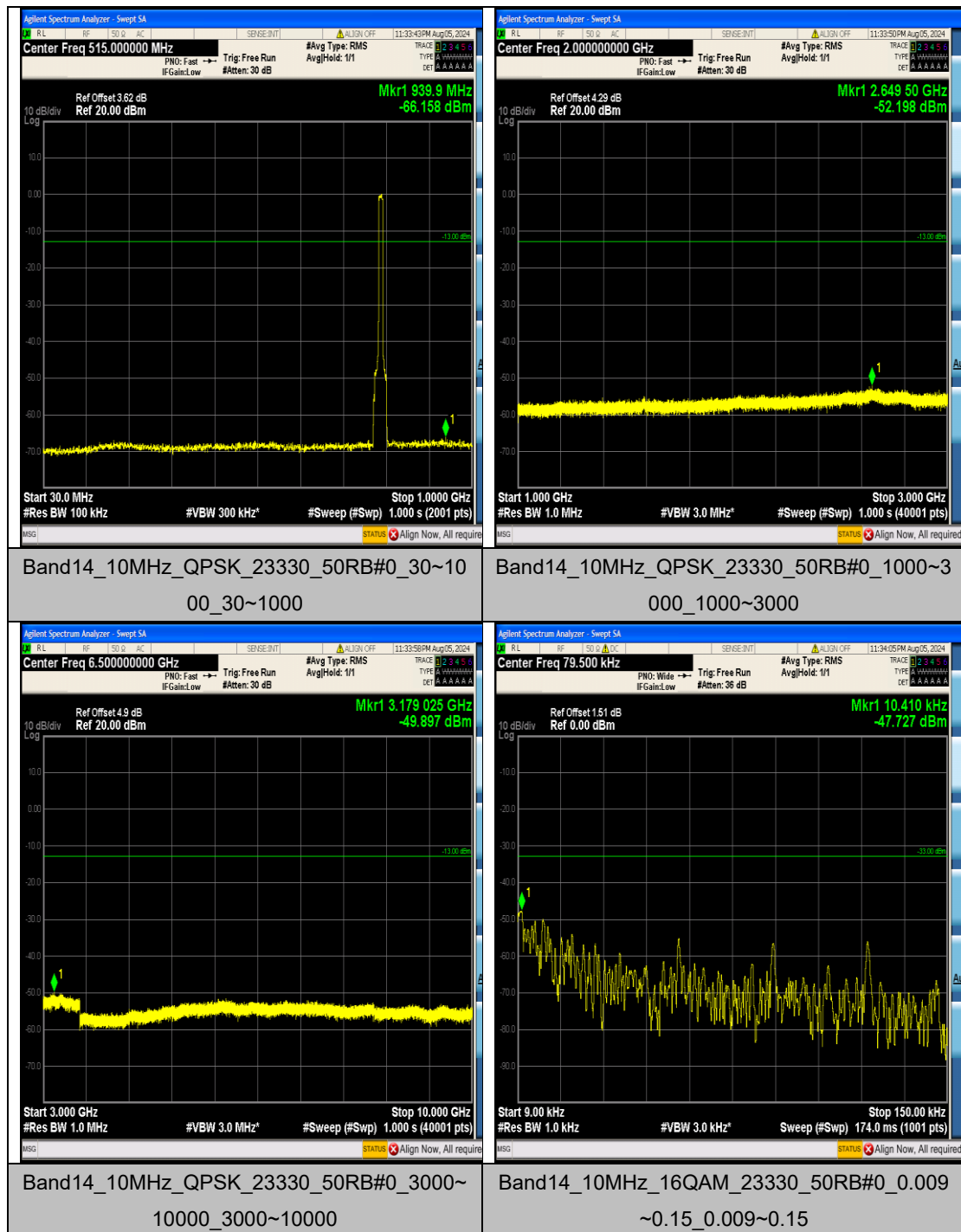


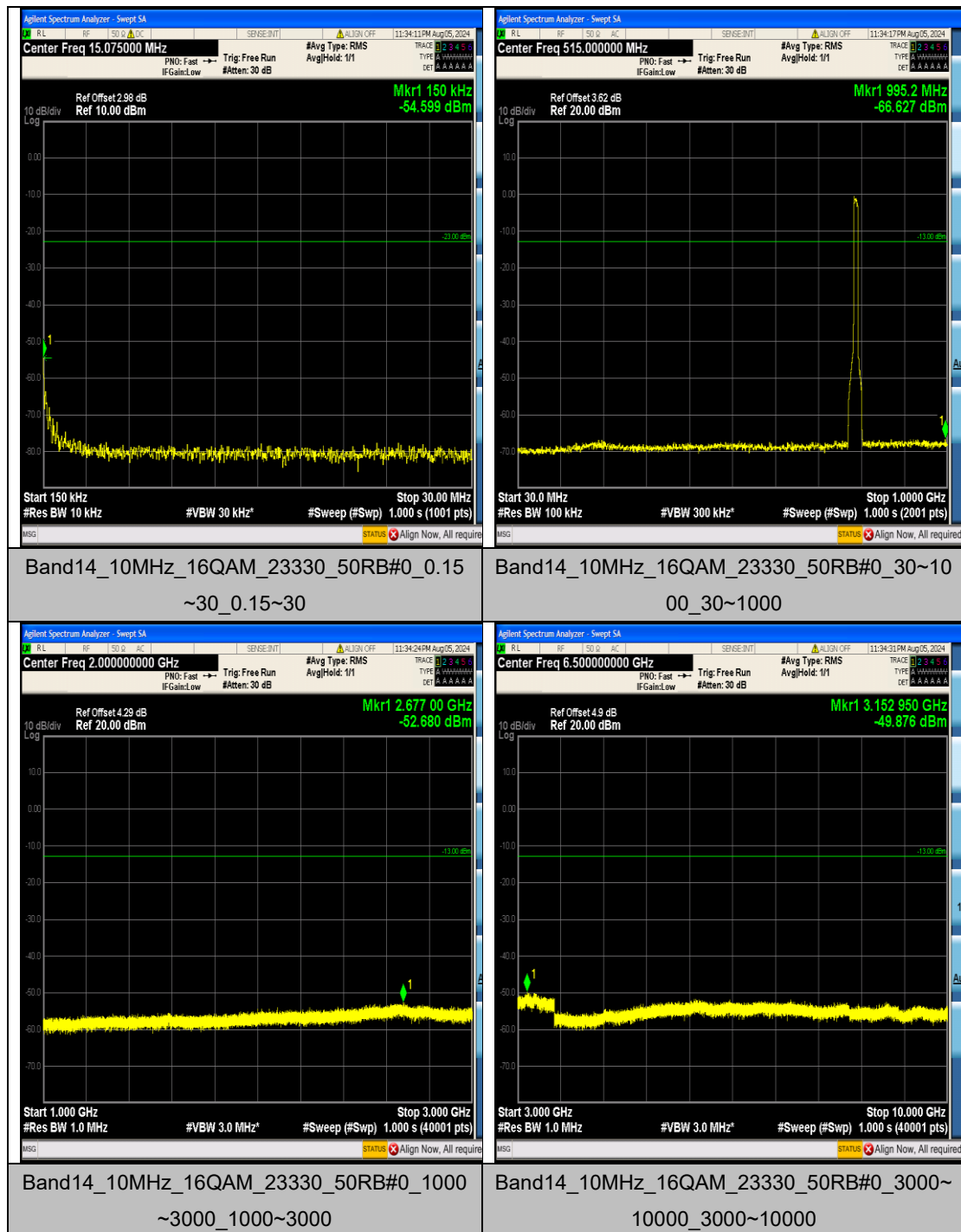












Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BandName	Bandwidth	Modulation	Channel	RBcfg	VolValue	TempValue	ValueHz	ValuePpm	Limit	Verdict

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	NV	-30	4.15	0.005250	±1.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	-20	4.69	0.005933	±1.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	-10	3.15	0.003985	±1.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	0	2.62	0.003314	±1.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	10	3.92	0.004959	±1.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	20	3.40	0.004301	±1.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	30	3.02	0.003820	±1.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	40	3.25	0.004111	±1.5	PASS
Band14	5MHz	QPSK	23305	25RB#0	NV	50	3.35	0.004238	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	-30	-4.23	-0.005334	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	-20	3.16	0.003985	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	-10	2.46	0.003102	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	0	-3.62	-0.004565	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	10	2.12	0.002673	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	20	-2.72	-0.003430	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	30	-3.33	-0.004199	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	40	-2.72	-0.003430	±1.5	PASS
Band14	5MHz	QPSK	23330	25RB#0	NV	50	-3.05	-0.003846	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	-30	-2.76	-0.003470	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	-20	-3.19	-0.004010	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	-10	-2.89	-0.003633	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	0	-3.05	-0.003834	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	10	-2.06	-0.002590	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	20	-4.18	-0.005255	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	30	-1.99	-0.002502	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	40	3.39	0.004261	±1.5	PASS
Band14	5MHz	QPSK	23355	25RB#0	NV	50	3.71	0.004664	±1.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	-30	2.75	0.003479	±1.5	PASS

Band14	5MHz	16QAM	23305	25RB#0	NV	-20	5.76	0.007287	±1.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	-10	-2.83	-0.003580	±1.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	0	4.68	0.005920	±1.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	10	-2.80	-0.003542	±1.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	20	-3.38	-0.004276	±1.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	30	2.78	0.003517	±1.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	40	3.81	0.004820	±1.5	PASS
Band14	5MHz	16QAM	23305	25RB#0	NV	50	4.22	0.005338	±1.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	-30	2.82	0.003556	±1.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	-20	-2.32	-0.002926	±1.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	-10	-2.53	-0.003190	±1.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	0	-2.16	-0.002724	±1.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	10	2.82	0.003556	±1.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	20	3.59	0.004527	±1.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	30	2.43	0.003064	±1.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	40	-1.92	-0.002421	±1.5	PASS
Band14	5MHz	16QAM	23330	25RB#0	NV	50	-2.47	-0.003115	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	-30	-4.92	-0.006185	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	-20	-3.48	-0.004375	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	-10	-4.86	-0.006109	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	0	-4.26	-0.005355	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	10	-2.99	-0.003759	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	20	-4.61	-0.005795	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	30	-3.15	-0.003960	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	40	-3.71	-0.004664	±1.5	PASS
Band14	5MHz	16QAM	23355	25RB#0	NV	50	-3.28	-0.004123	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-30	3.28	0.004136	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-20	-3.78	-0.004767	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-10	-2.89	-0.003644	±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	-3.91	-0.004931	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	20	-3.00	-0.003783	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	30	-2.23	-0.002812	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	40	-3.96	-0.004994	±1.5	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	50	-3.55	-0.004477	±1.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	-30	-2.93	-0.003695	±1.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	-20	-3.79	-0.004779	±1.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	-10	2.90	0.003657	±1.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	0	-3.52	-0.004439	±1.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	10	-5.26	-0.006633	±1.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	20	-2.90	-0.003657	±1.5	PASS

Band14	10MHz	16QAM	23330	50RB#0	NV	30	-3.22	-0.004061	±1.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	40	-4.43	-0.005586	±1.5	PASS
Band14	10MHz	16QAM	23330	50RB#0	NV	50	-2.93	-0.003695	±1.5	PASS