

FCC LTE Band Test Data

FCC ID : 2A9LJ-ME61

Company: : Meferi Technologies Co.,Ltd.

EUT : Mobile Computer

Model Number : ME61

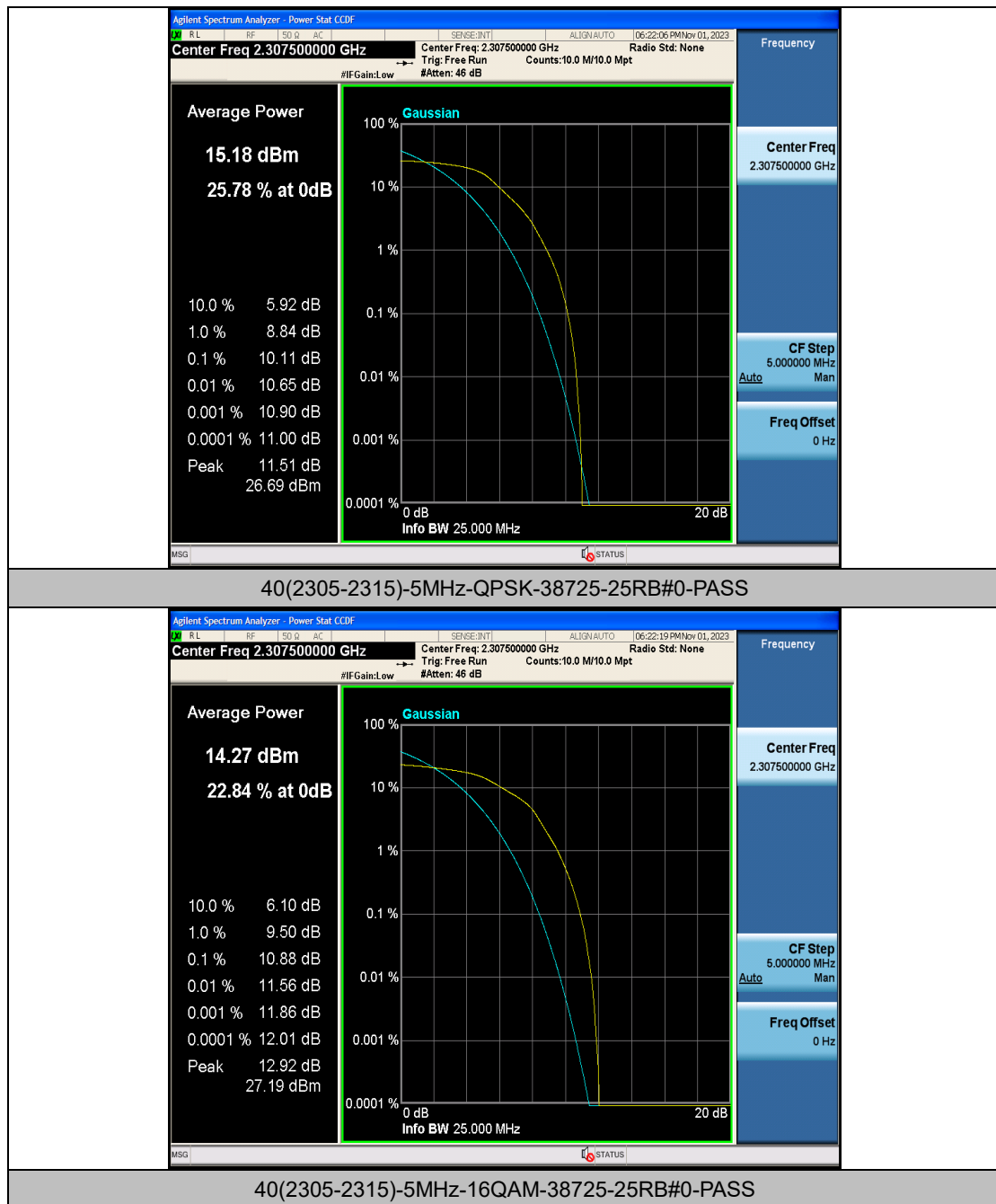
Reviewed By : Eric Wang

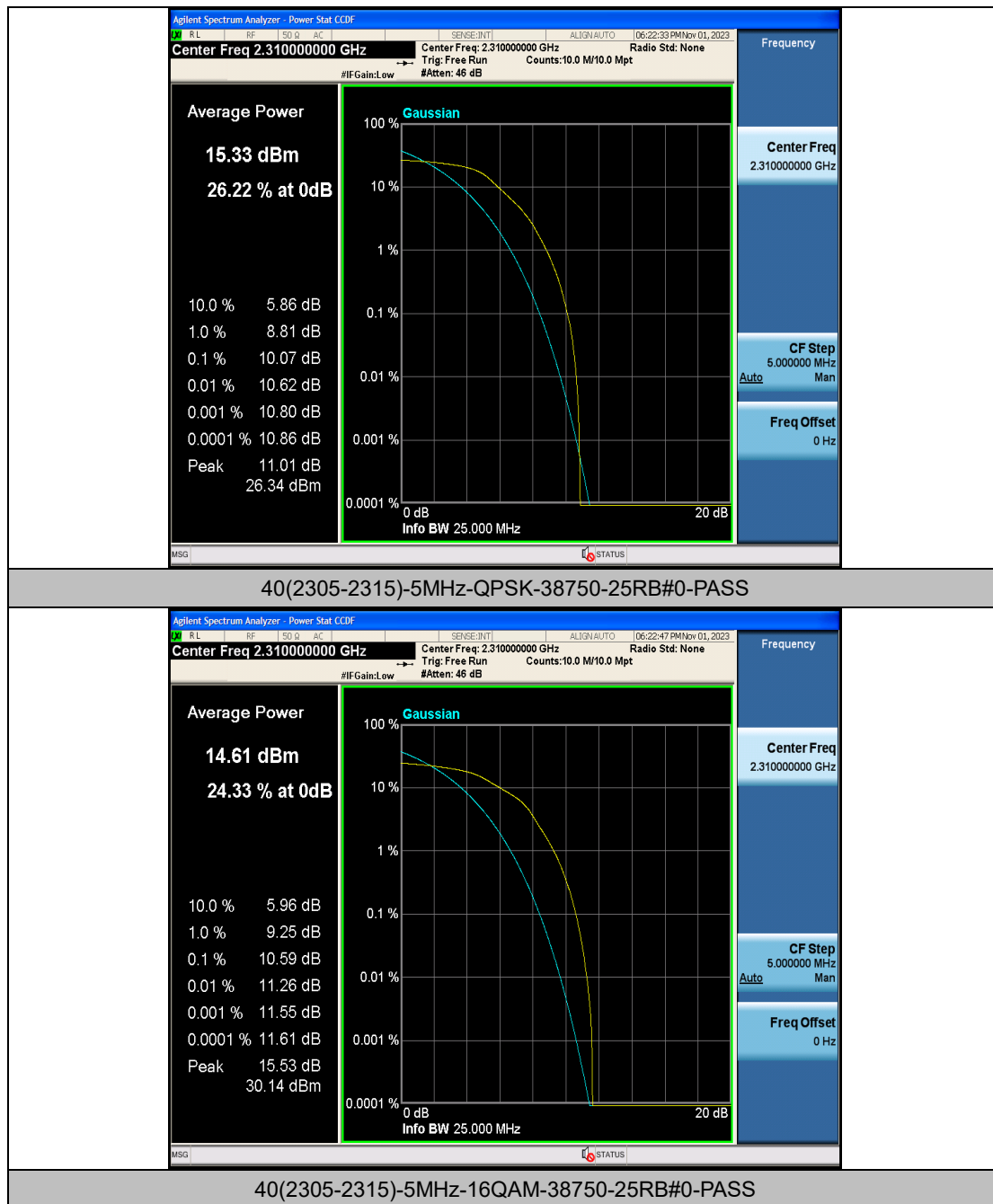
Appendix B: Peak-to-Average Ratio(CCDF)

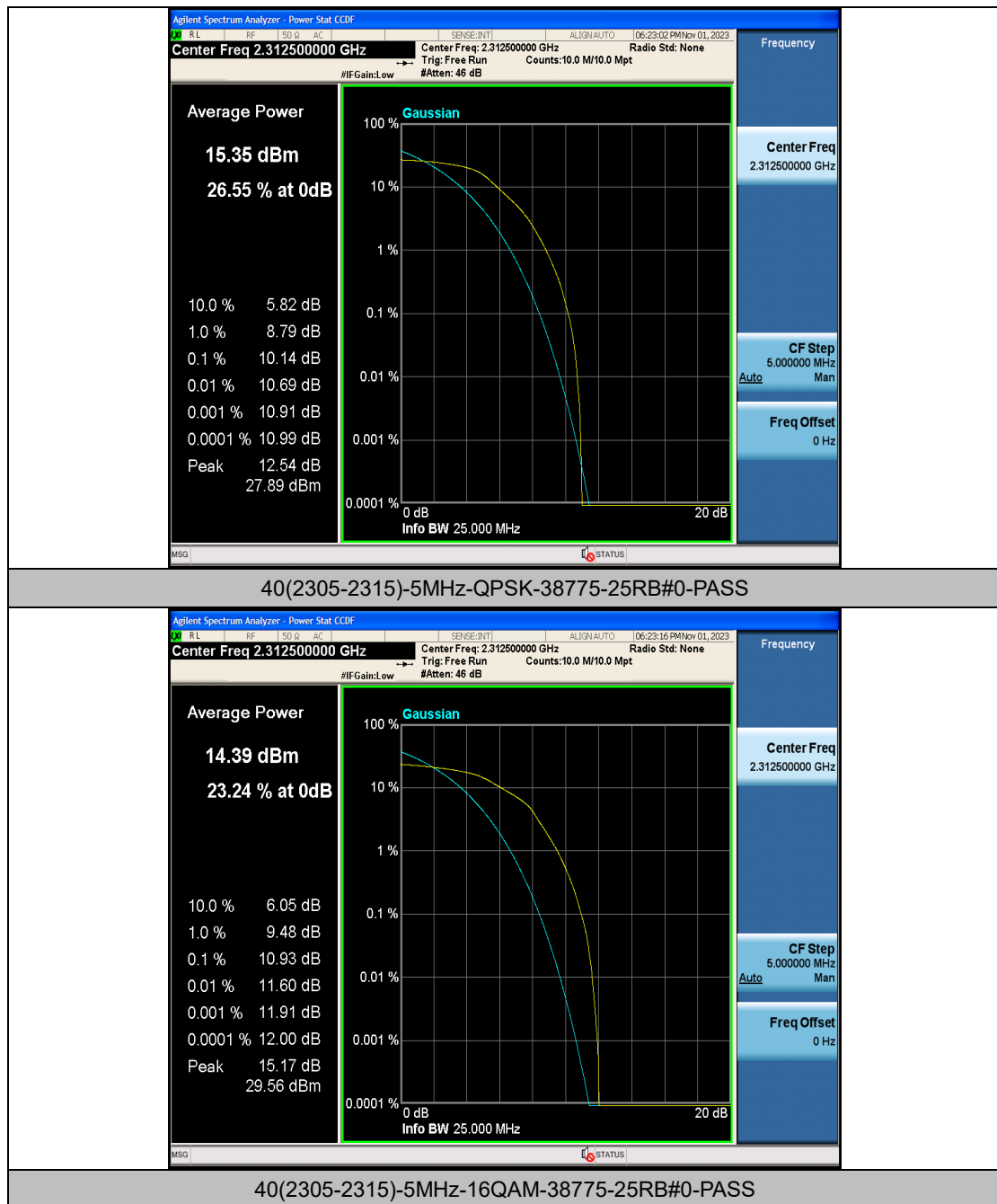
Test Result

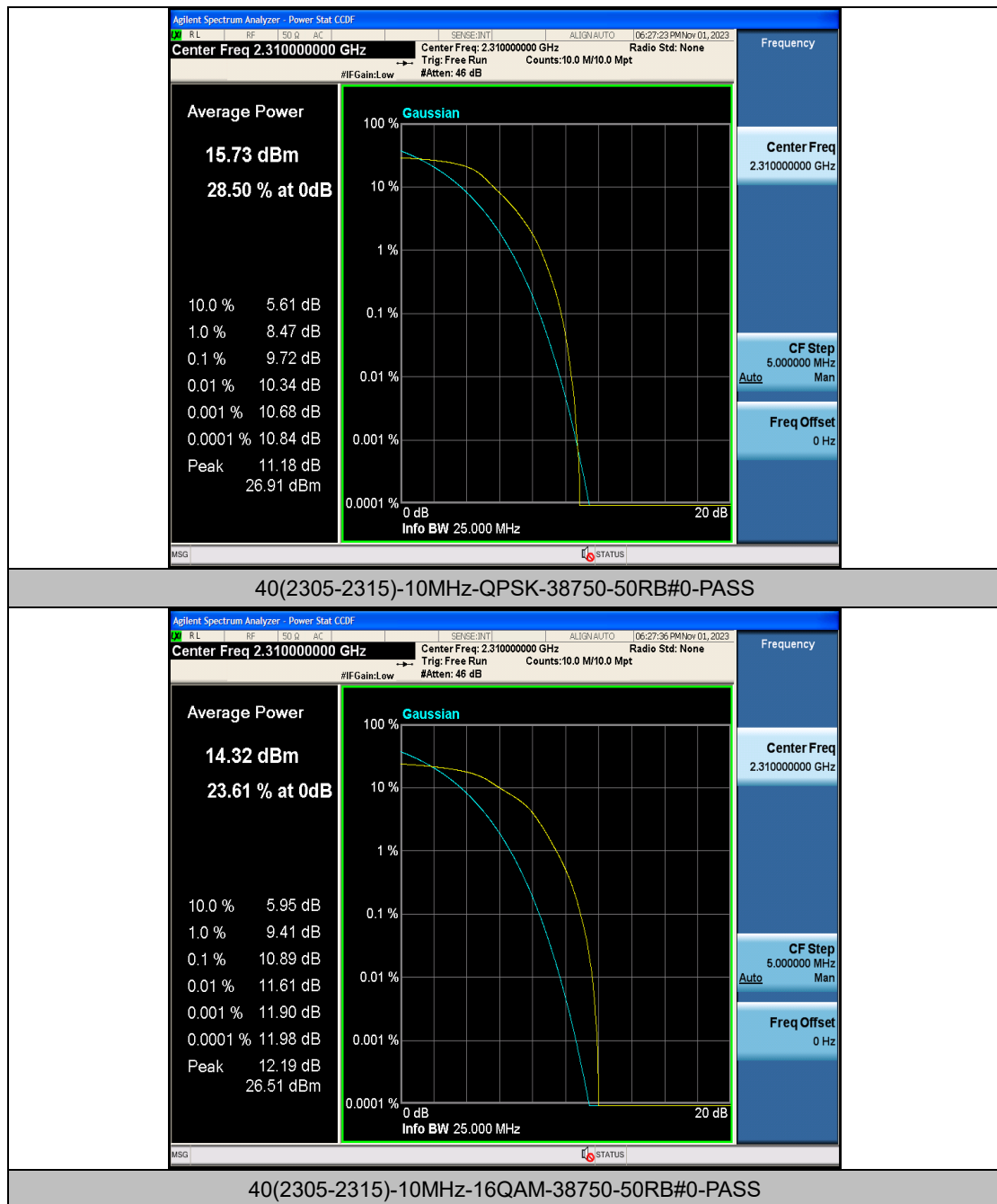
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
40(2305-2315)	5MHz	QPSK	38725	25RB#0	10.11	13	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	10.88	13	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	10.07	13	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	10.59	13	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	10.14	13	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	10.93	13	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	9.72	13	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	10.89	13	PASS

Test Graphs







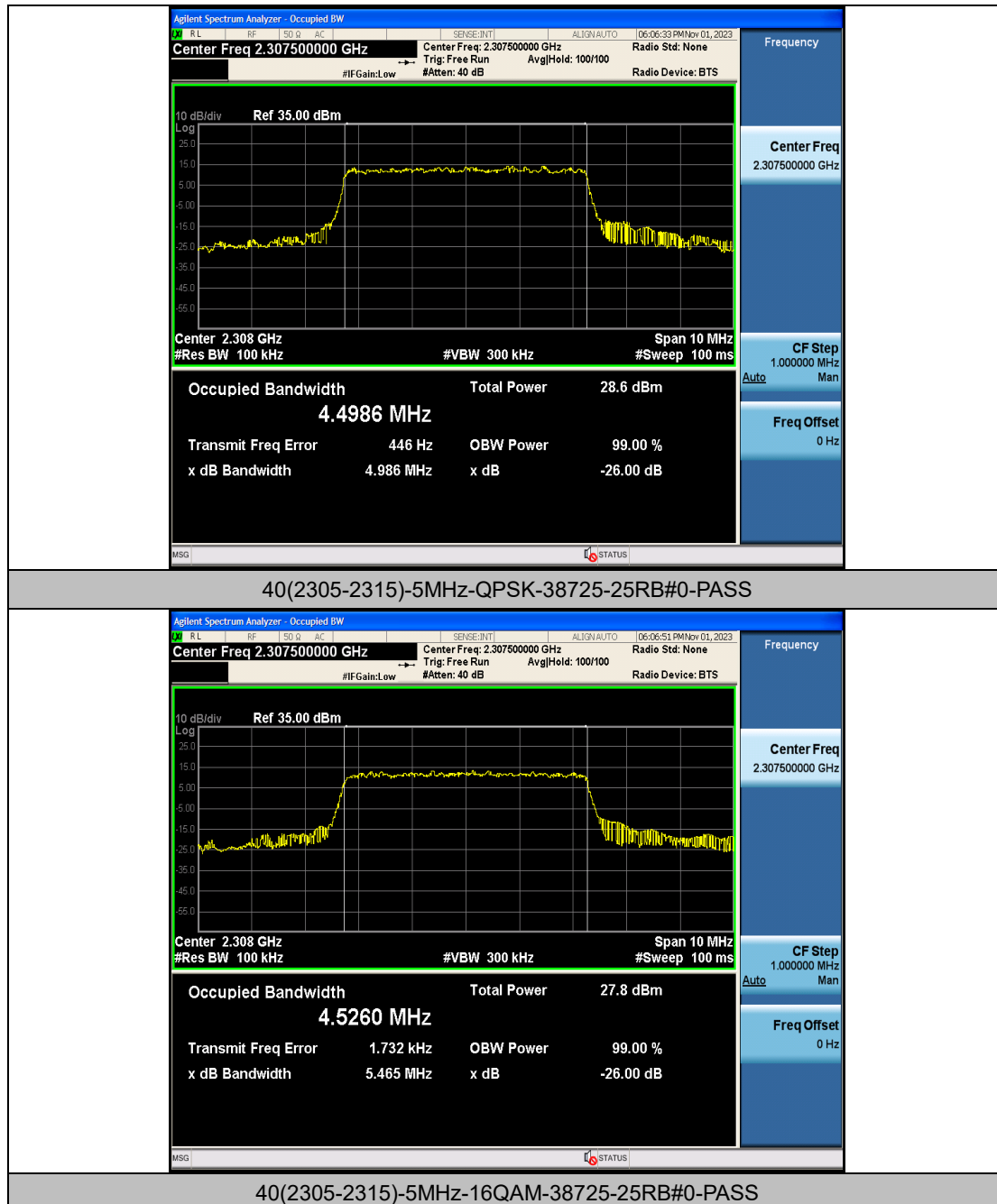


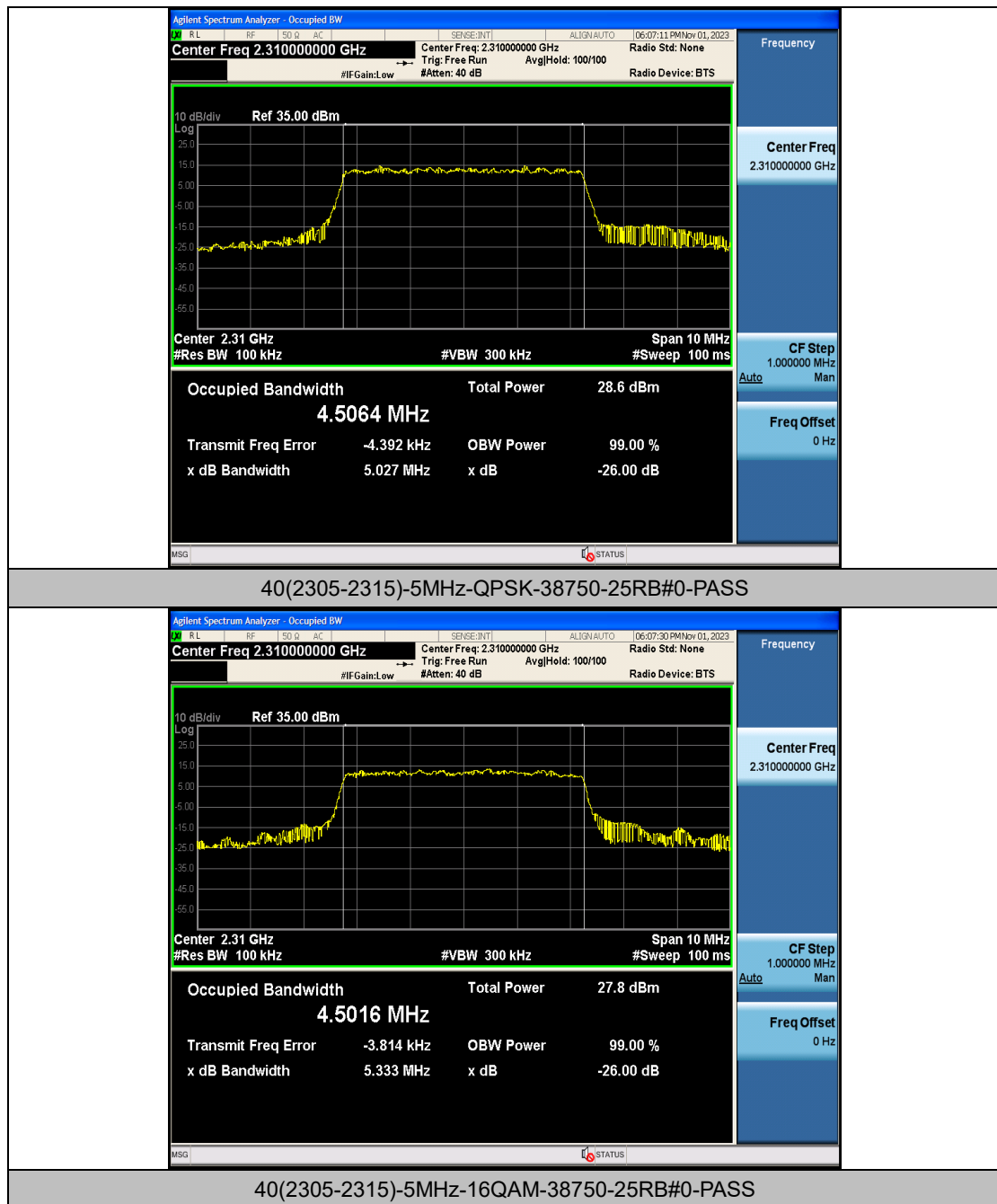
Appendix C: 26dB Bandwidth and Occupied Bandwidth

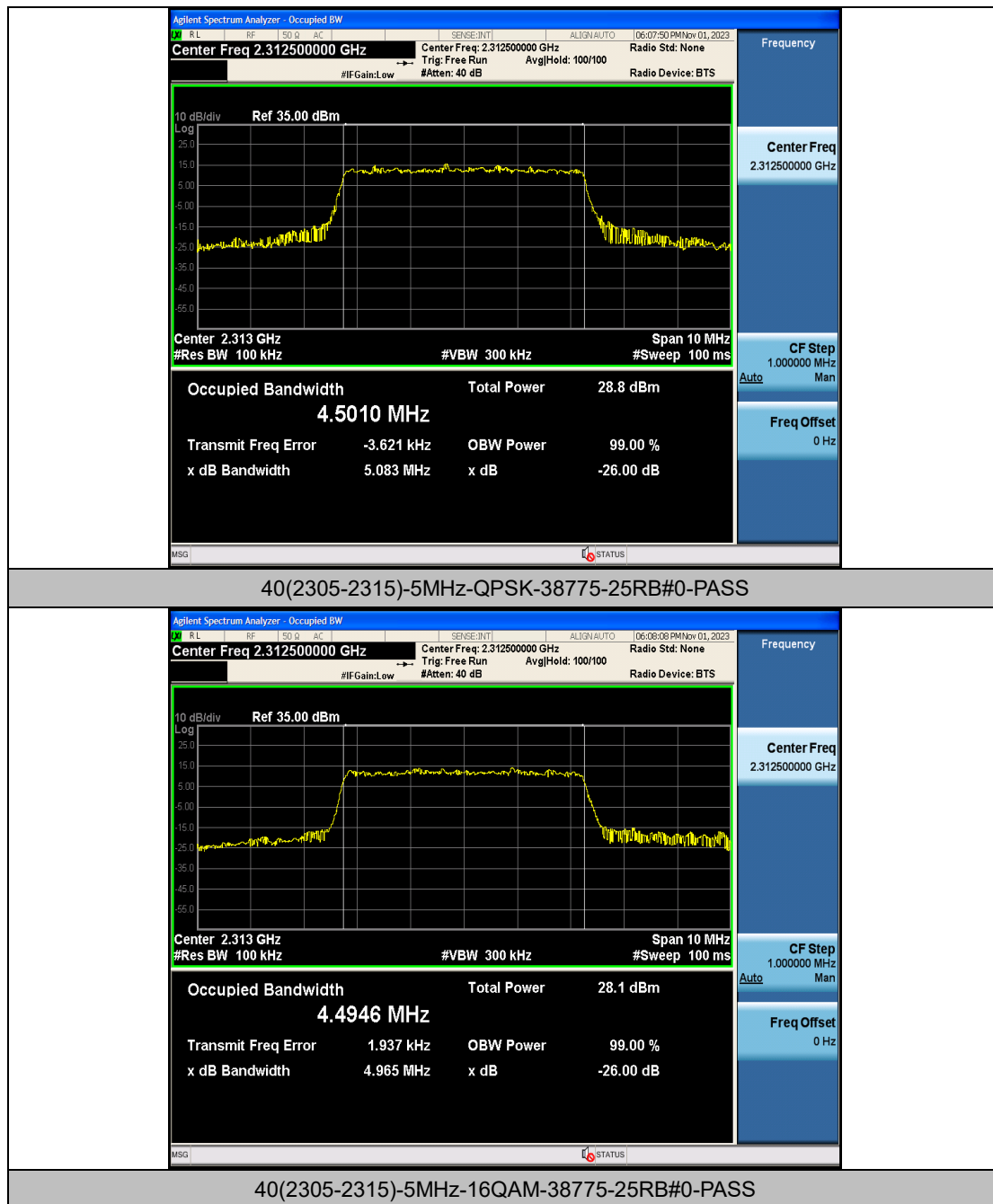
Test Result

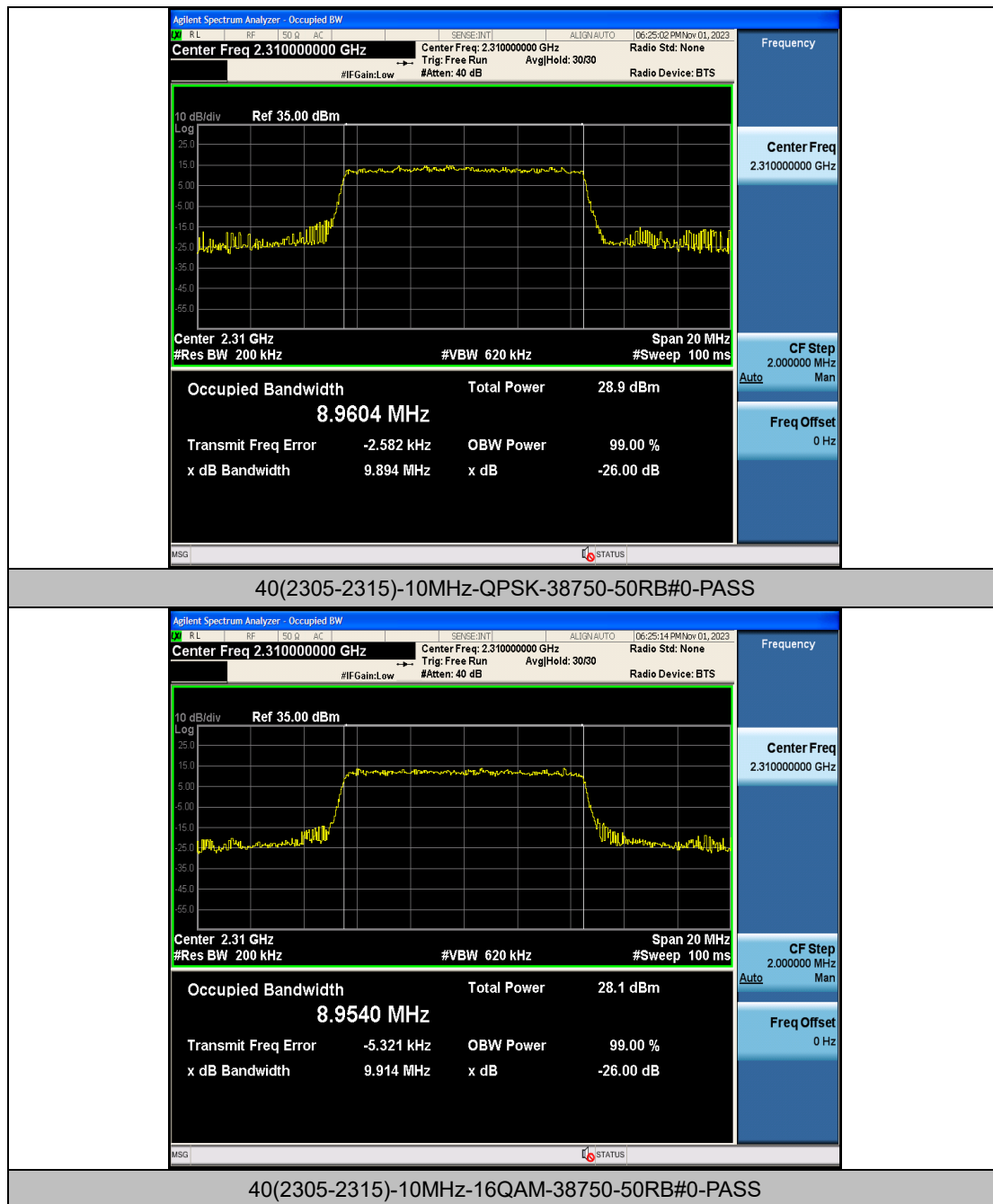
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
40(2305-2315)	5MHz	QPSK	38725	25RB#0	4.4986	4.986	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	4.5260	5.465	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	4.5064	5.027	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	4.5016	5.333	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	4.5010	5.083	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	4.4946	4.965	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	8.9604	9.894	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	8.9540	9.914	PASS

Test Graphs







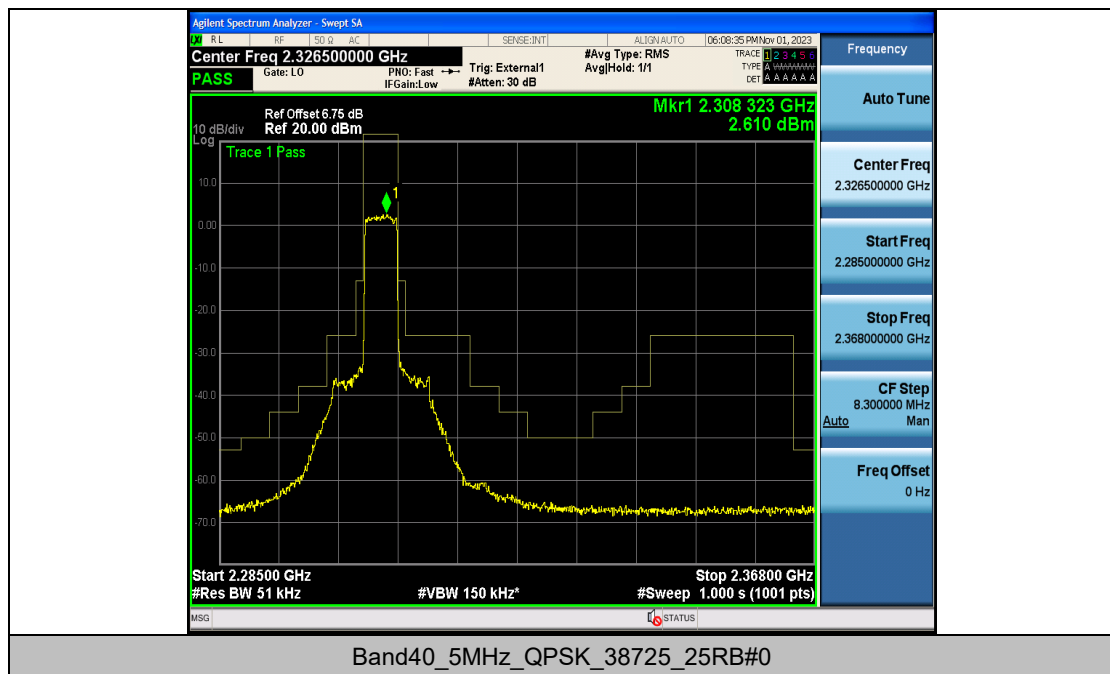


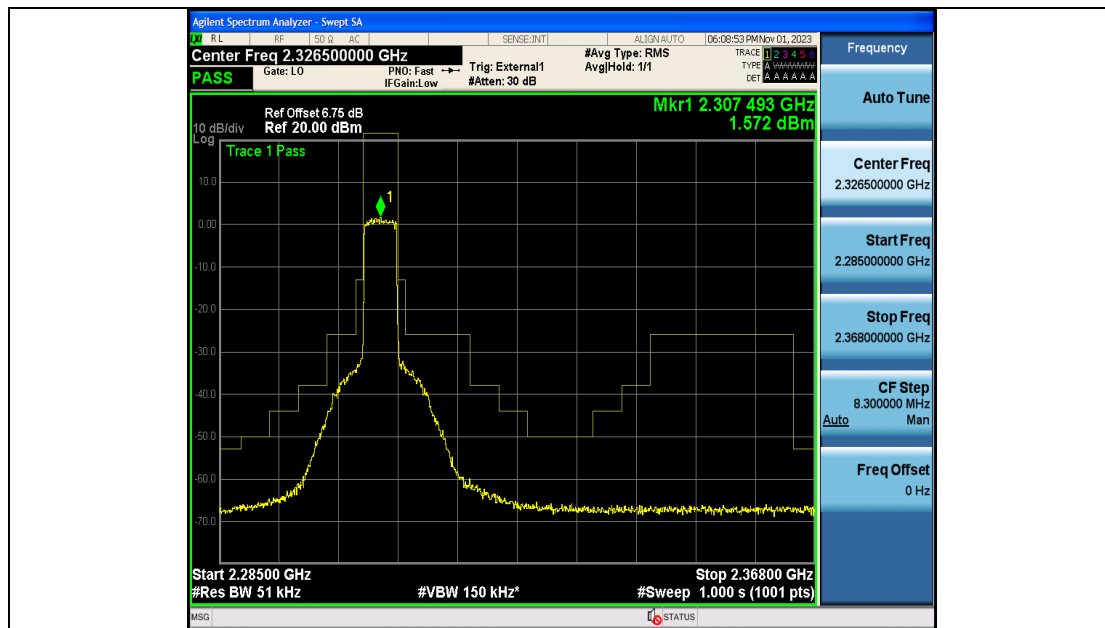
Appendix D: Band Edge

Test Result

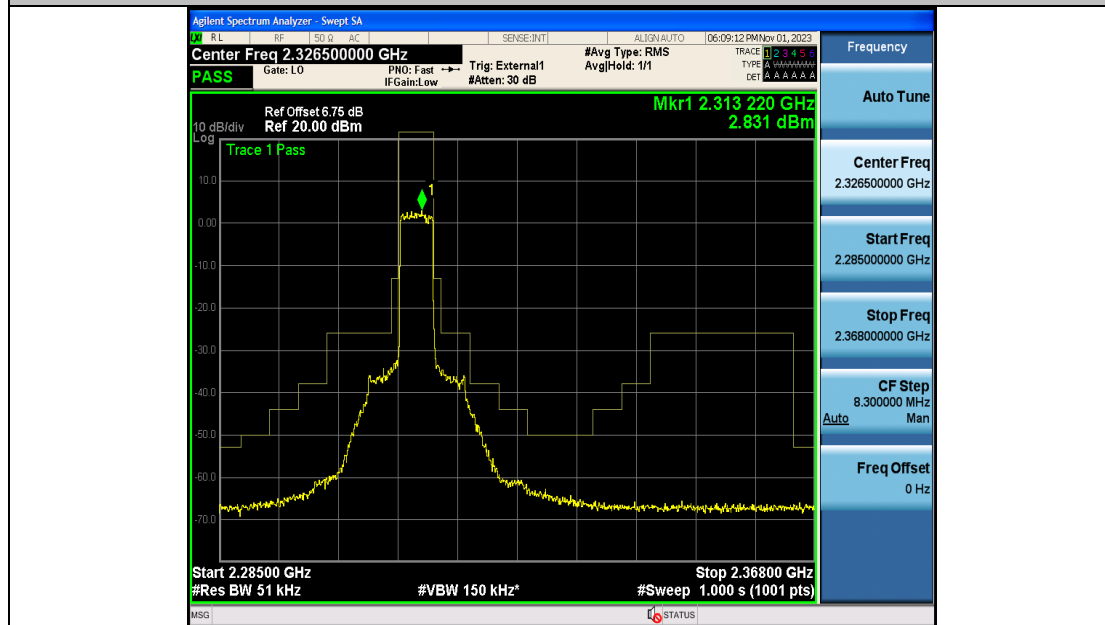
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
40(2305-2315)	5MHz	QPSK	38725	25RB#0	-44.89	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	-45.56	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	-44.88	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	-33.03	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	-38.06	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	-37.66	PASS

Test Graphs

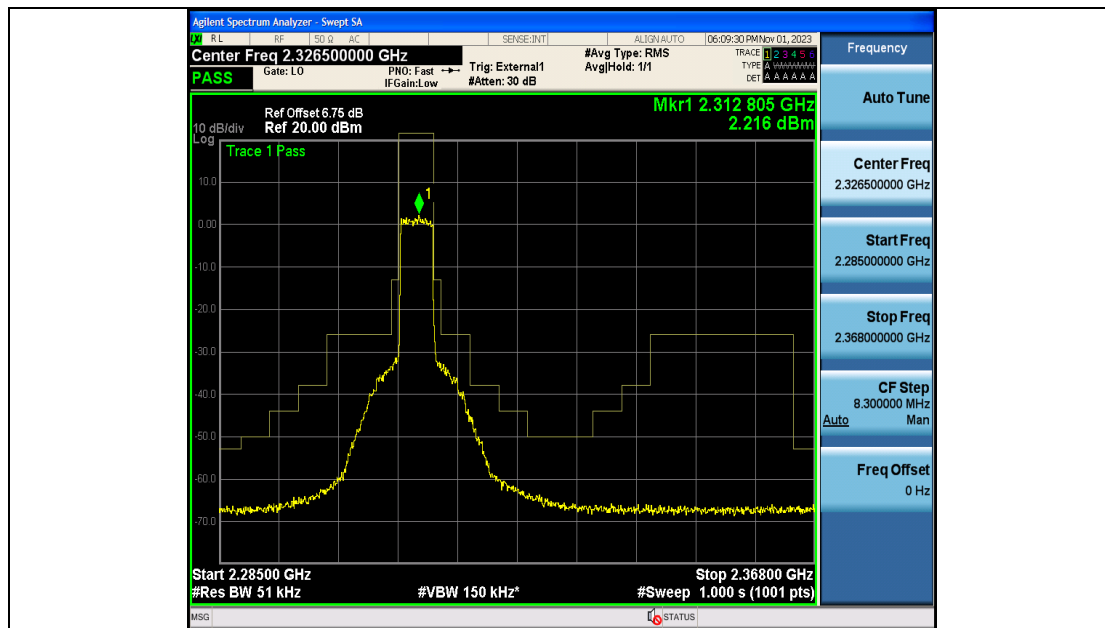




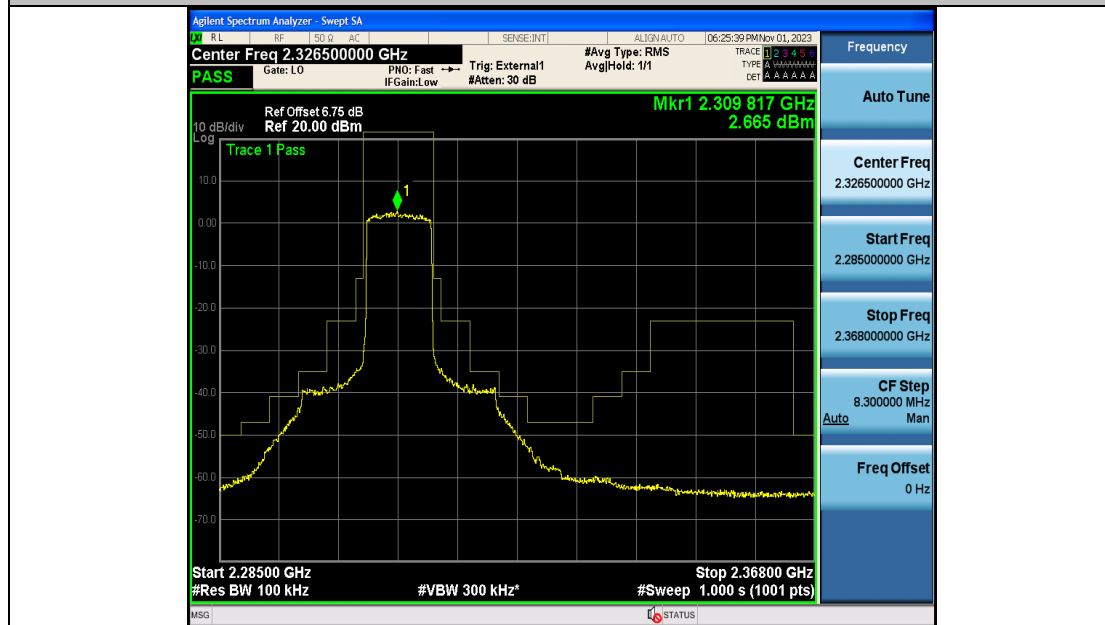
Band40_5MHz_16QAM_38725_25RB#0



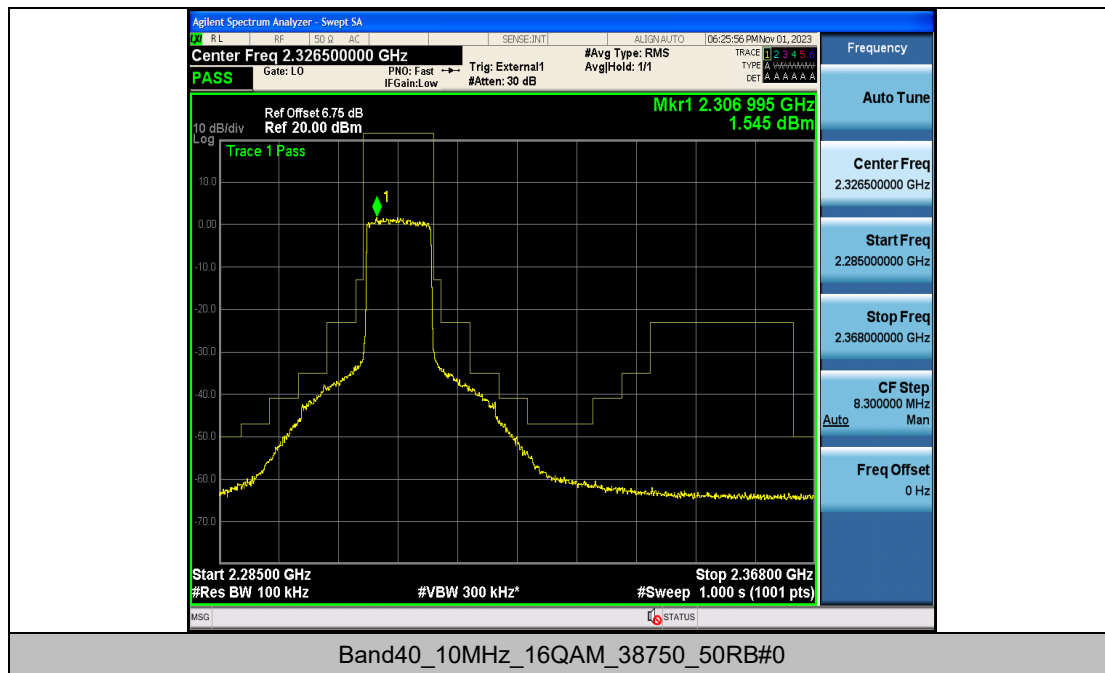
Band40_5MHz_QPSK_38775_25RB#0



Band40_5MHz_16QAM_38775_25RB#0



Band40_10MHz_QPSK_38750_50RB#0



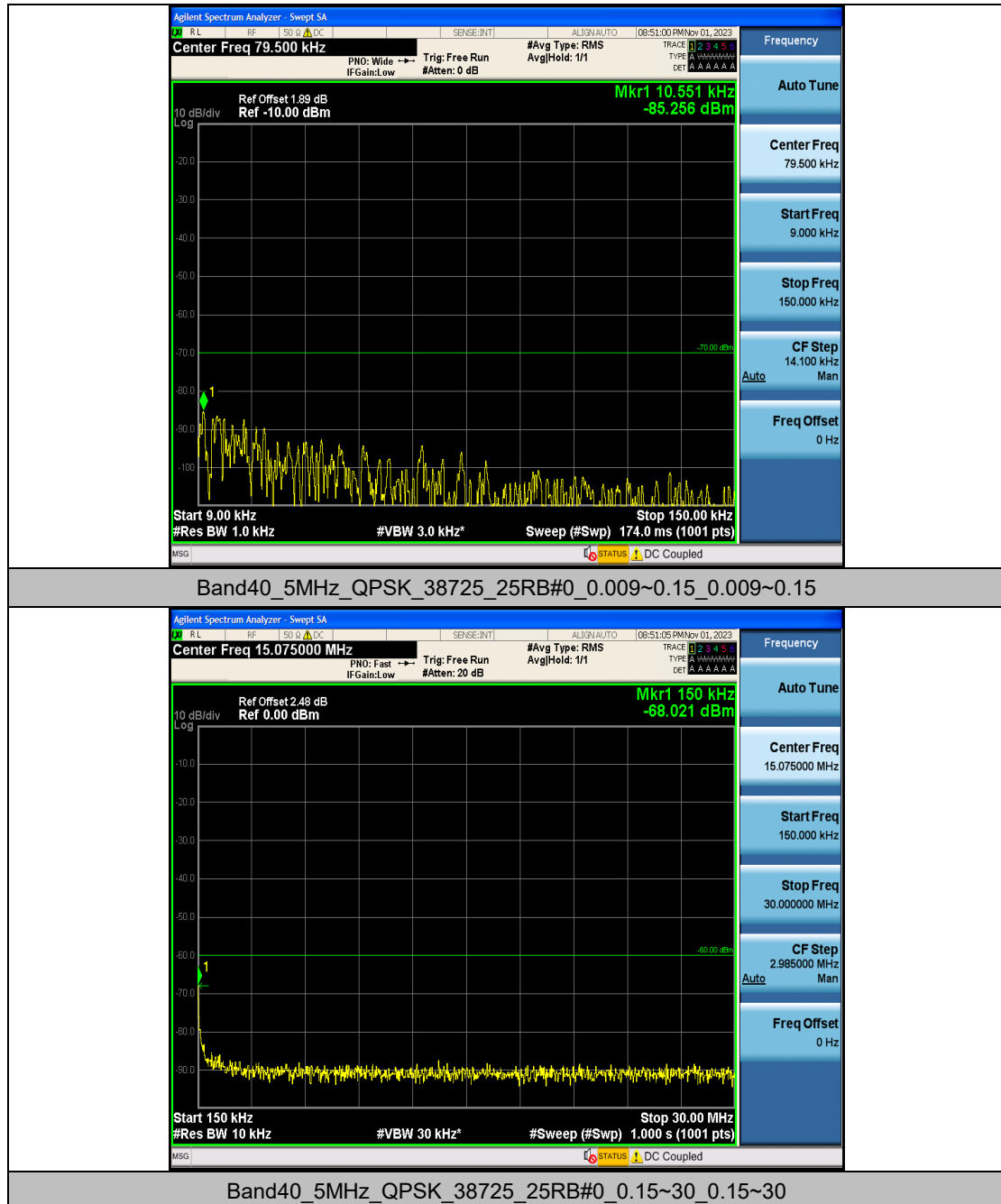
Appendix E: Conducted Spurious Emission

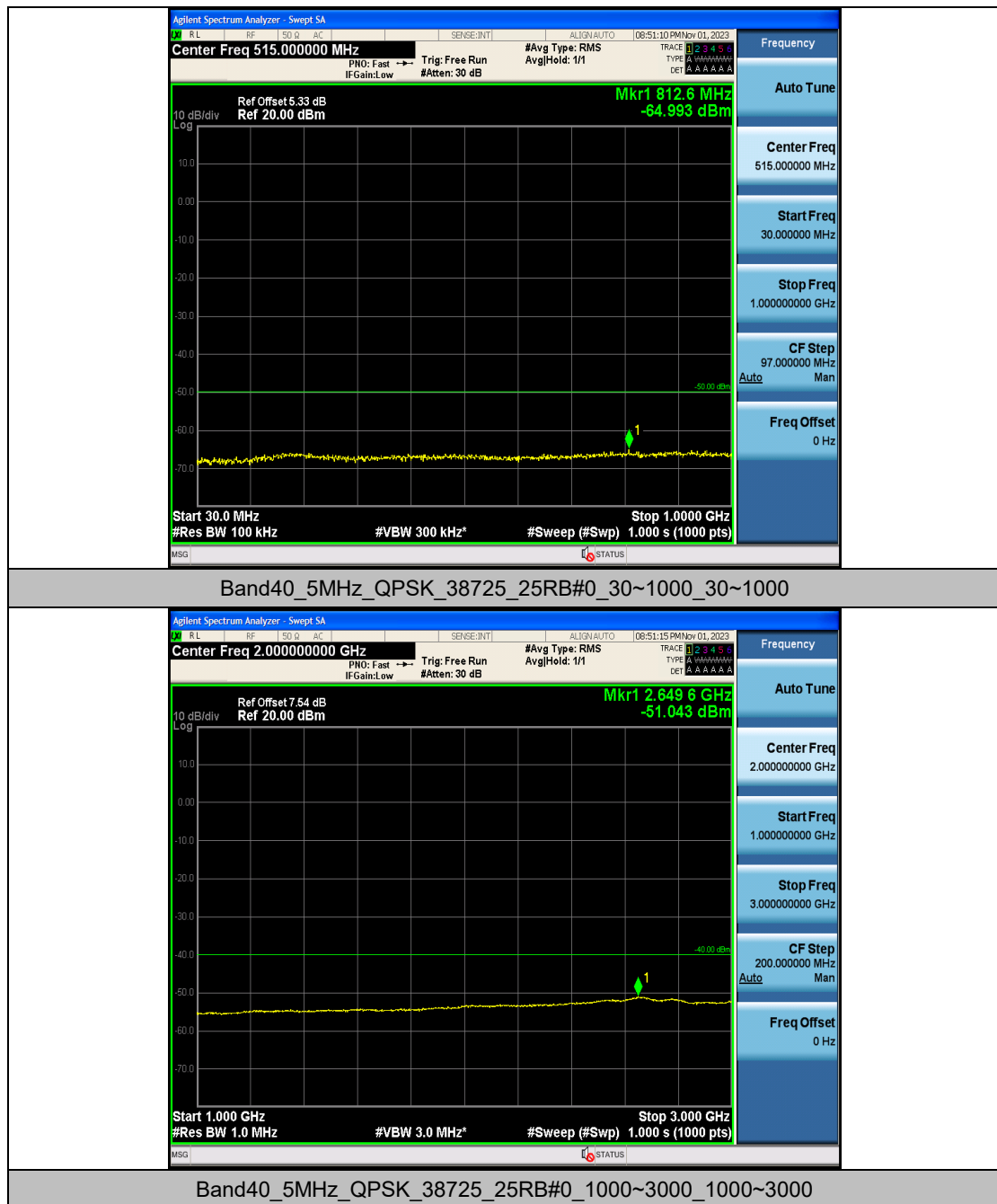
Test Result

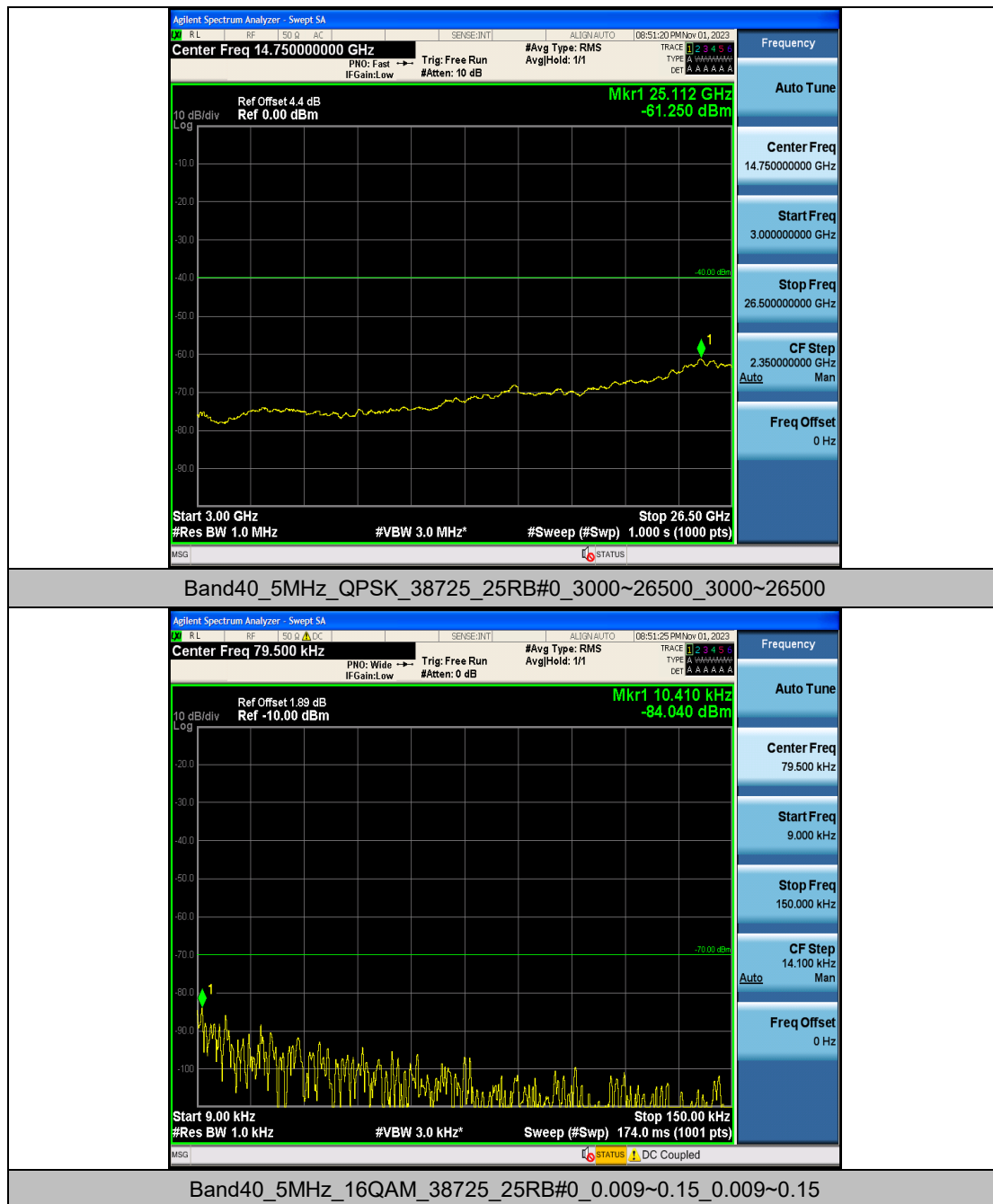
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
40(2305-2315)	5MHz	QPSK	38725	25RB#0	0.009~0.15	-85.26	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	0.15~30	-68.02	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	30~1000	-64.99	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	1000~3000	-51.04	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	3000~26500	-61.25	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	0.009~0.15	-84.04	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	0.15~30	-70.00	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	30~1000	-65.24	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	1000~3000	-51.15	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	3000~26500	-61.14	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	0.009~0.15	-82.09	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	0.15~30	-68.67	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	30~1000	-65.16	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	1000~3000	-51.07	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	3000~26500	-61.17	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	0.009~0.15	-83.69	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	0.15~30	-69.79	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	30~1000	-65.39	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	1000~3000	-51.11	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	3000~26500	-61.03	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	0.009~0.15	-85.17	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	0.15~30	-69.23	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	30~1000	-65.11	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	1000~3000	-51.20	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	3000~26500	-60.98	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	0.009~0.15	-83.18	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	0.15~30	-70.78	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	30~1000	-65.48	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	1000~3000	-51.01	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	3000~26500	-61.16	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	0.009~0.15	-82.22	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	0.15~30	-69.56	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	30~1000	-65.20	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	1000~3000	-51.07	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	3000~26500	-61.17	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	0.009~0.15	-84.57	PASS

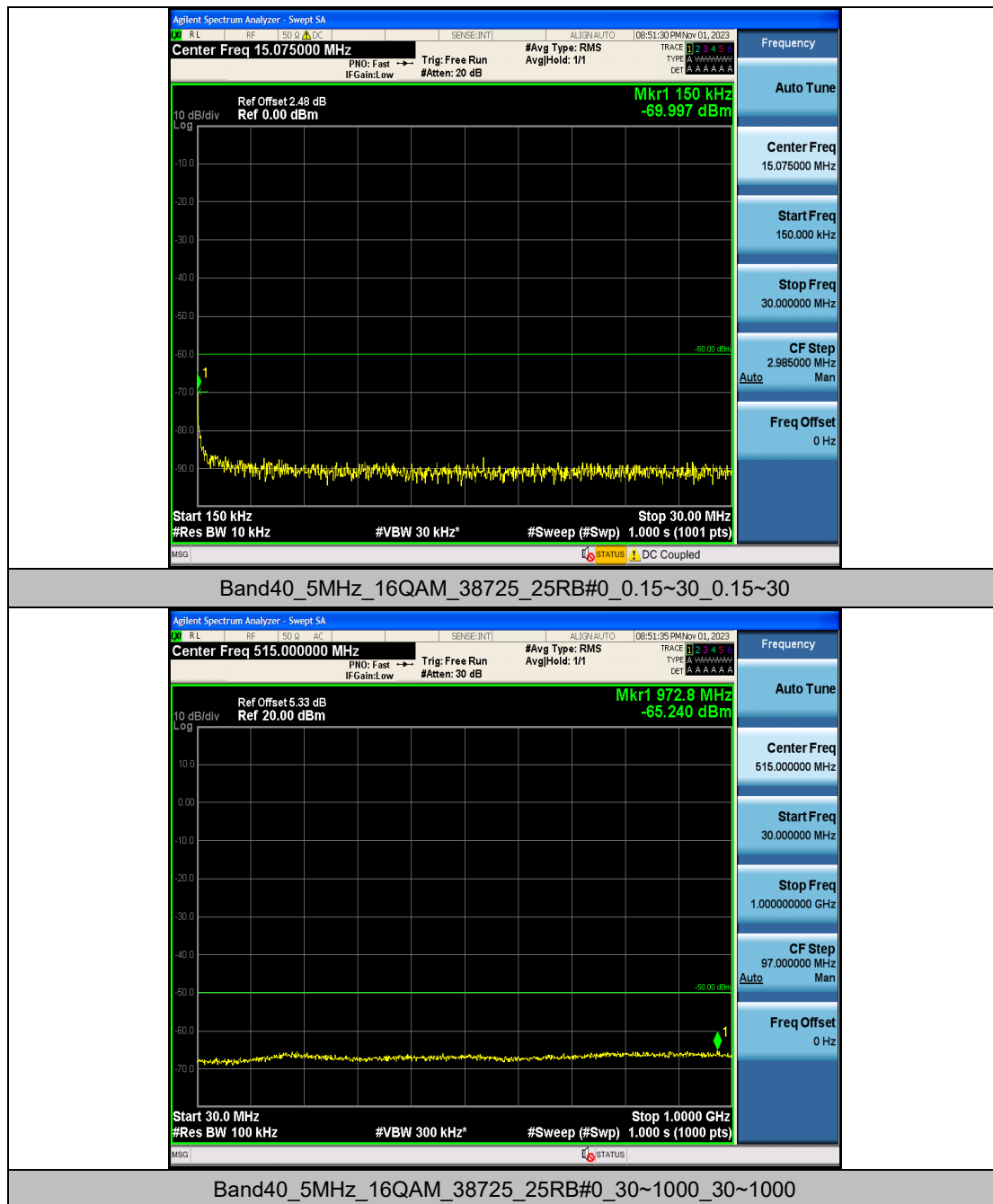
40(2305-2315)	10MHz	16QAM	38750	50RB#0	0.15~30	-68.49	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	30~1000	-65.18	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	1000~3000	-51.07	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	3000~26500	-61.19	PASS

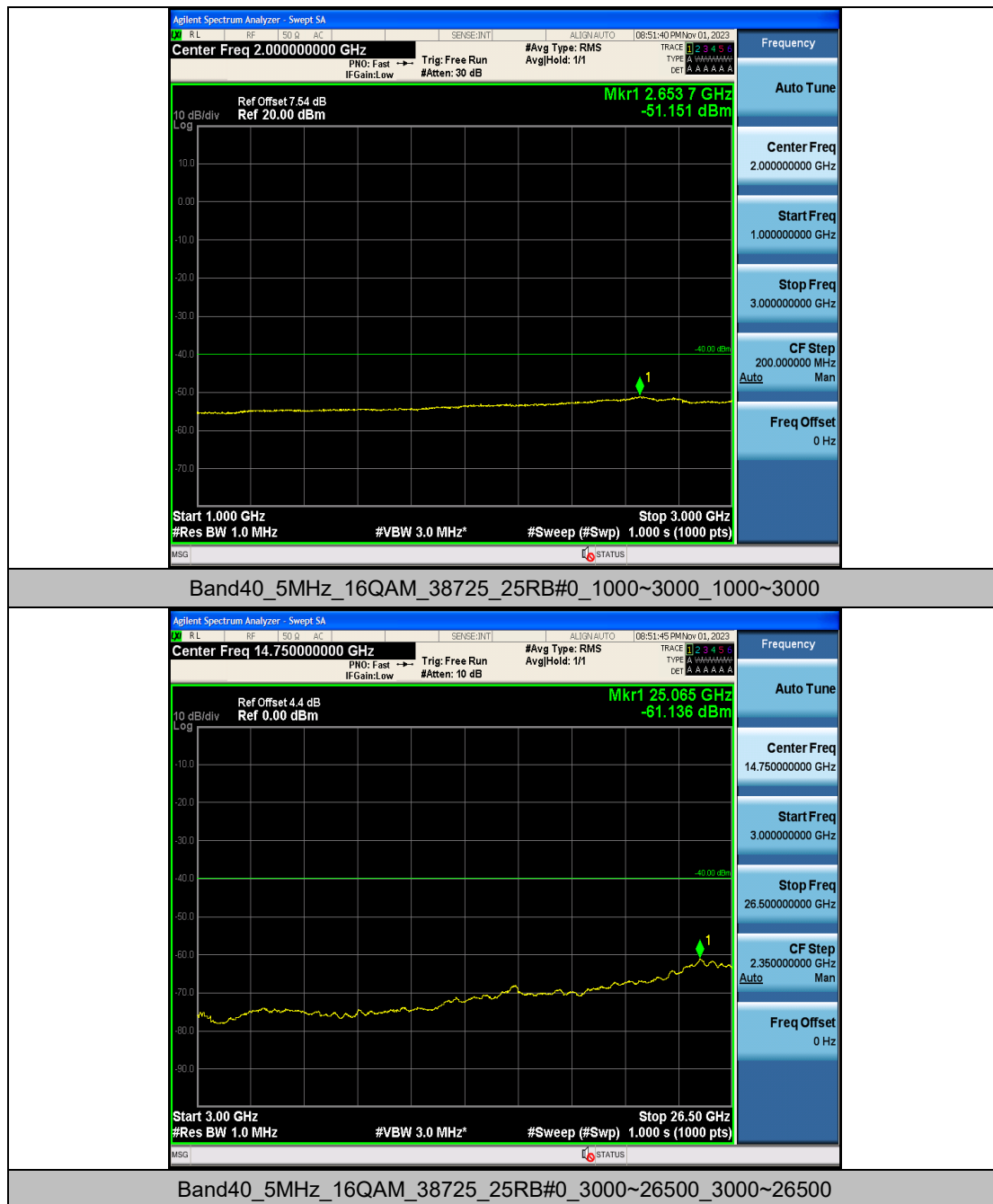
Test Graphs

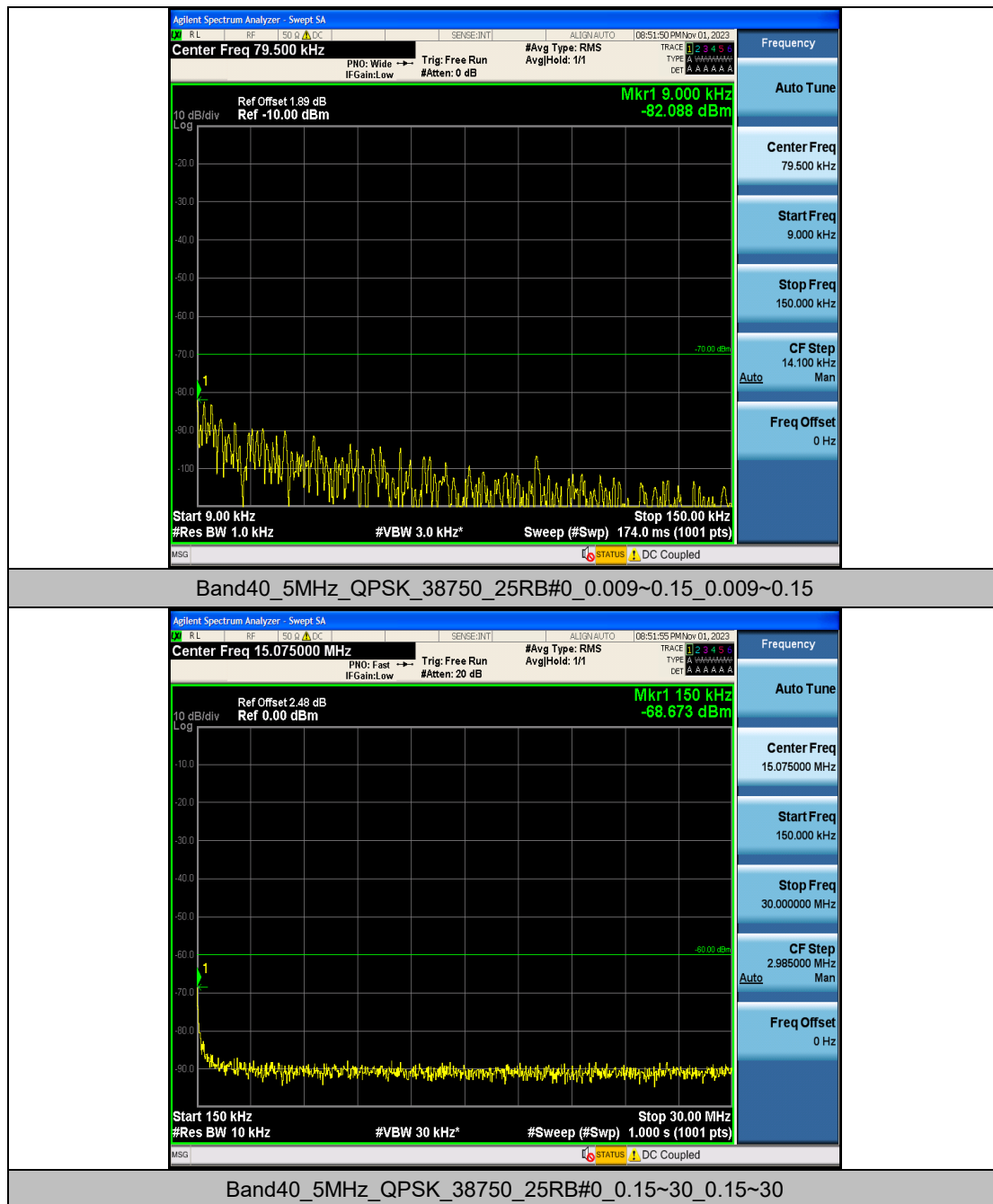


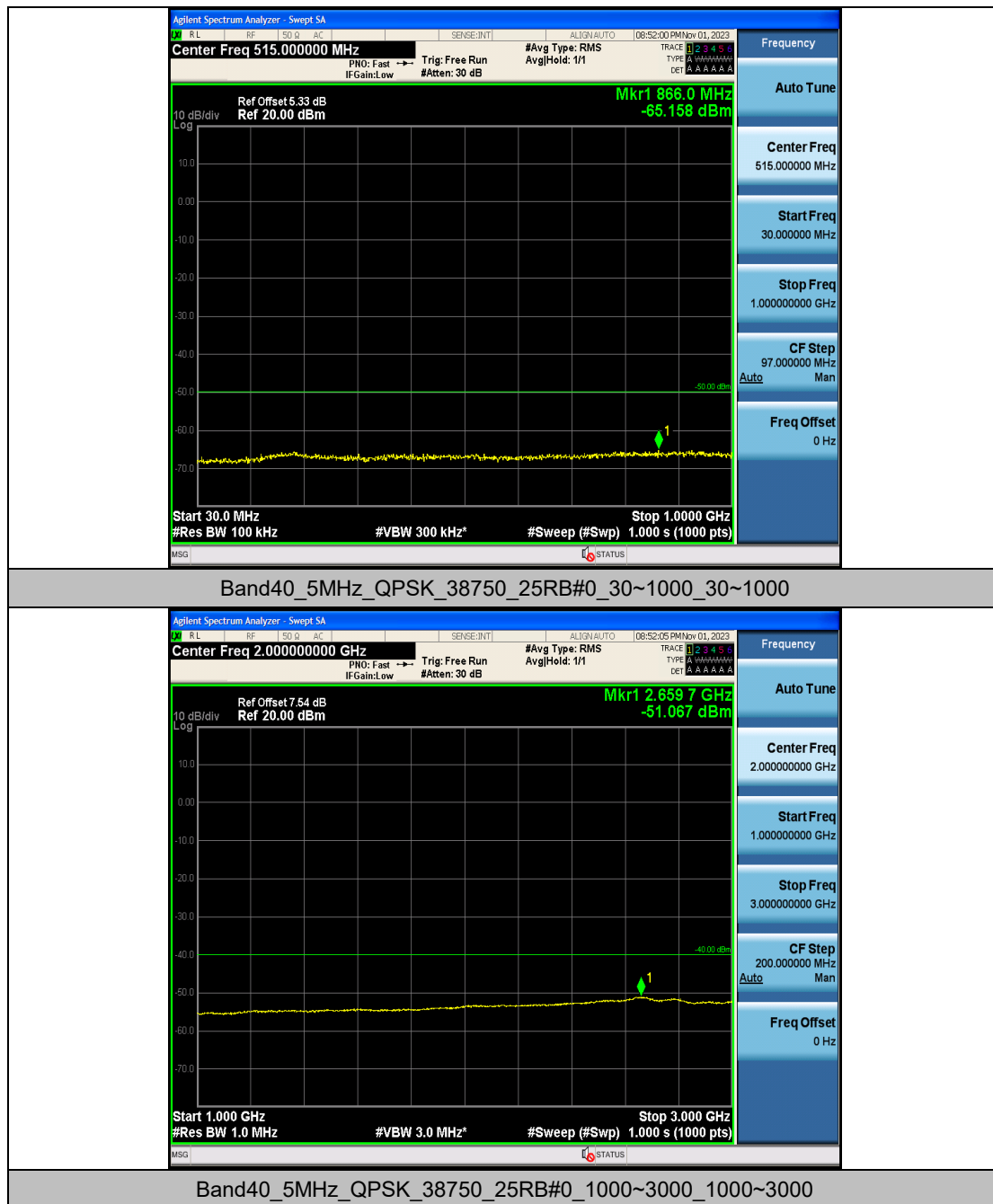


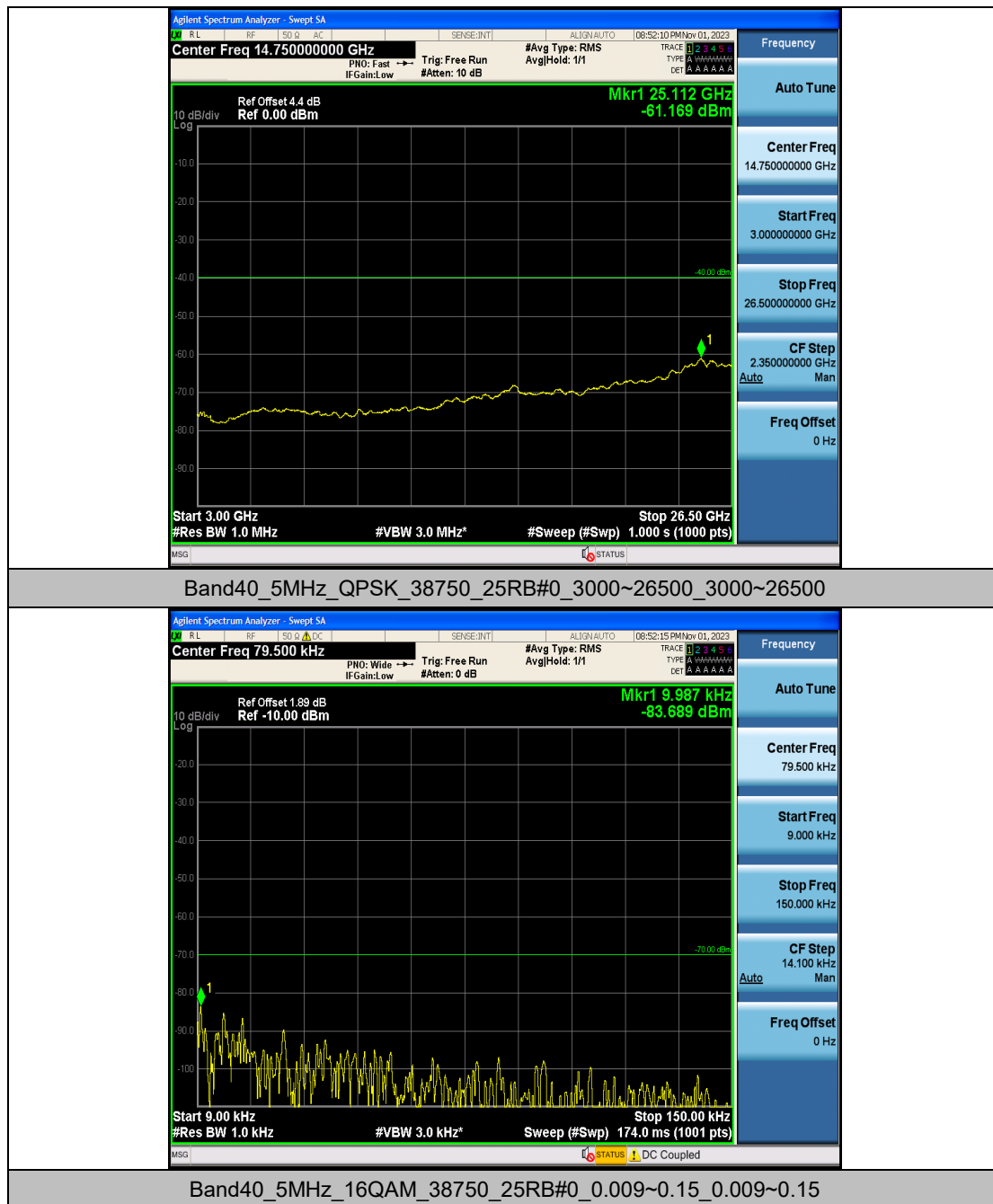


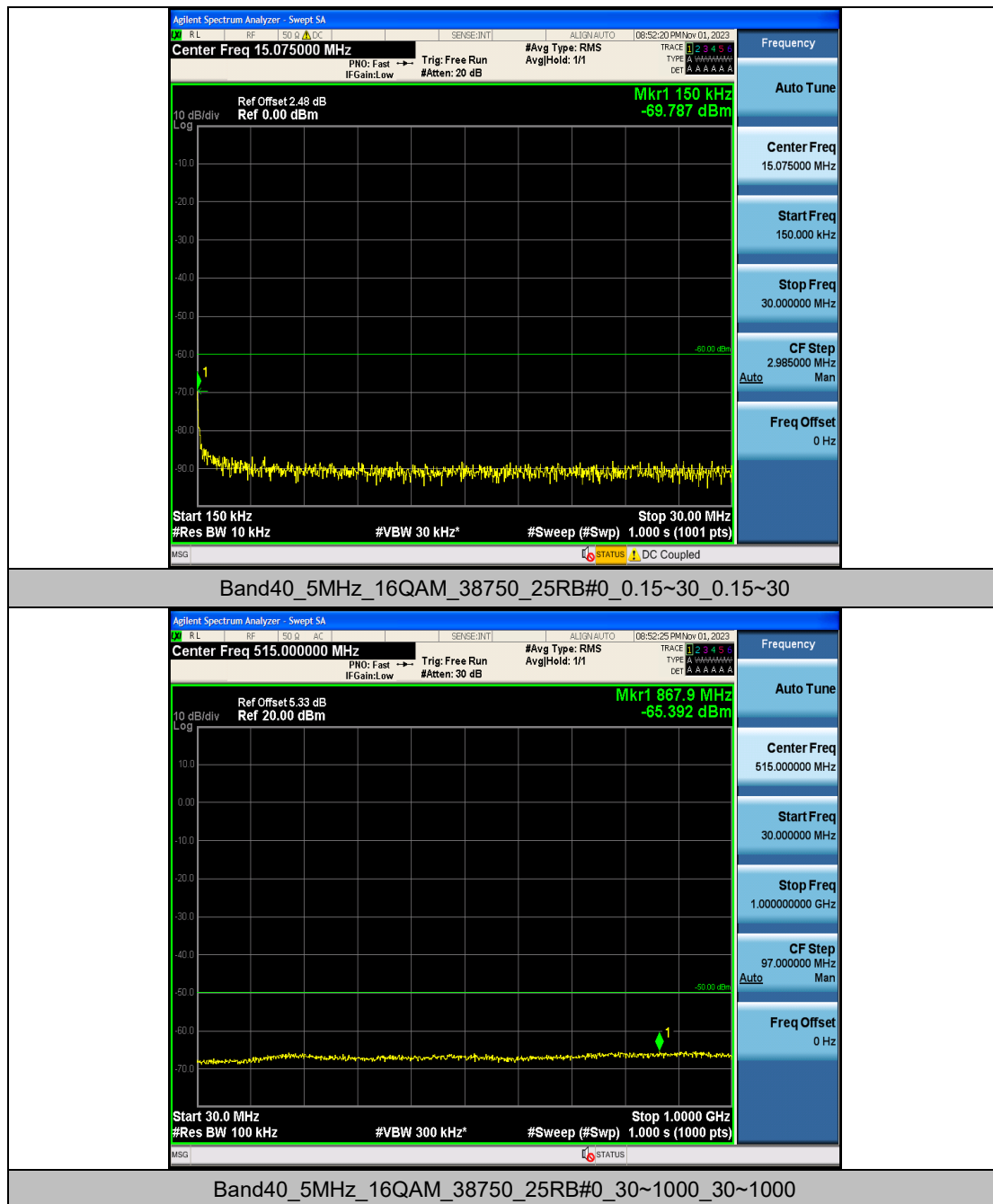


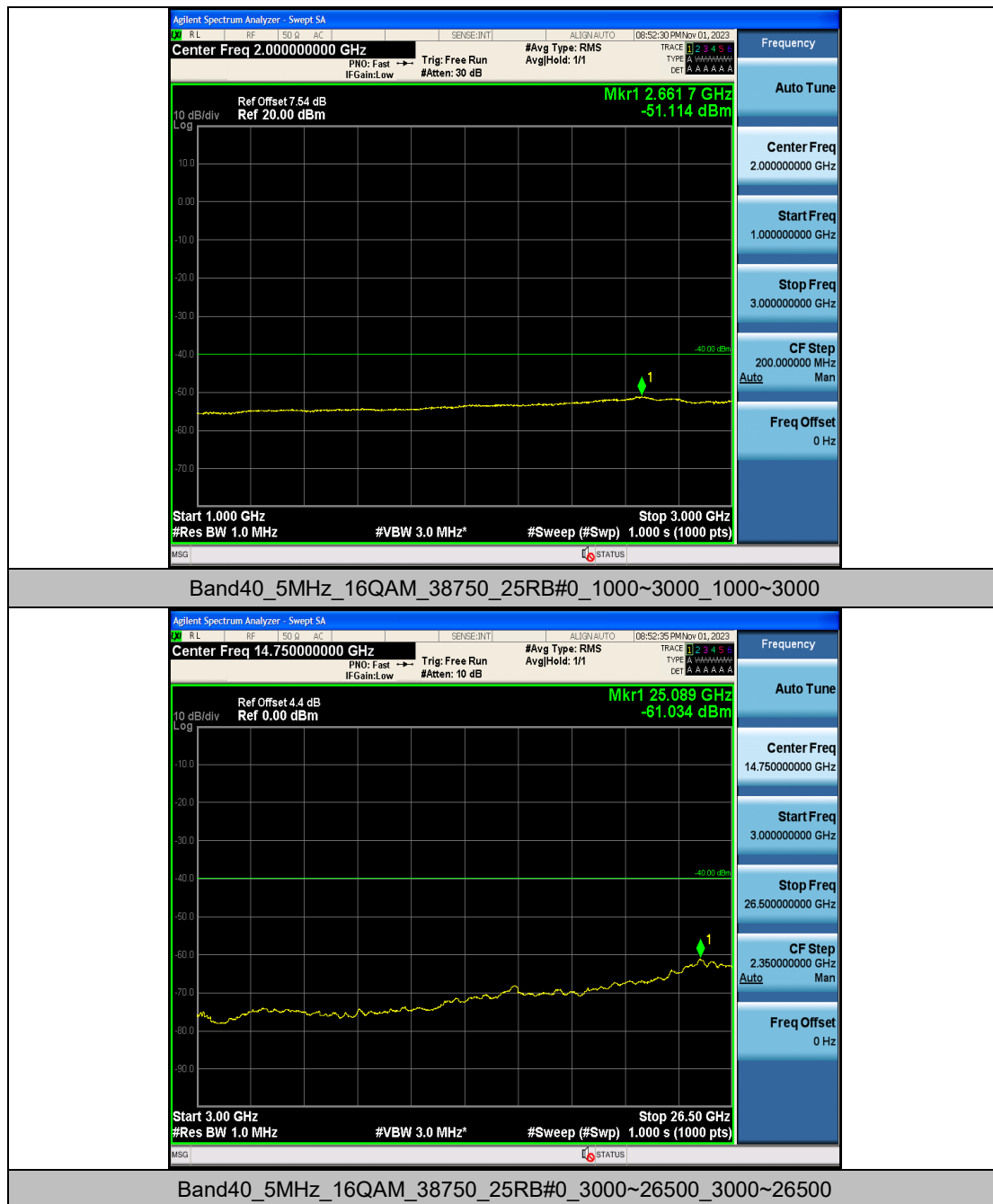


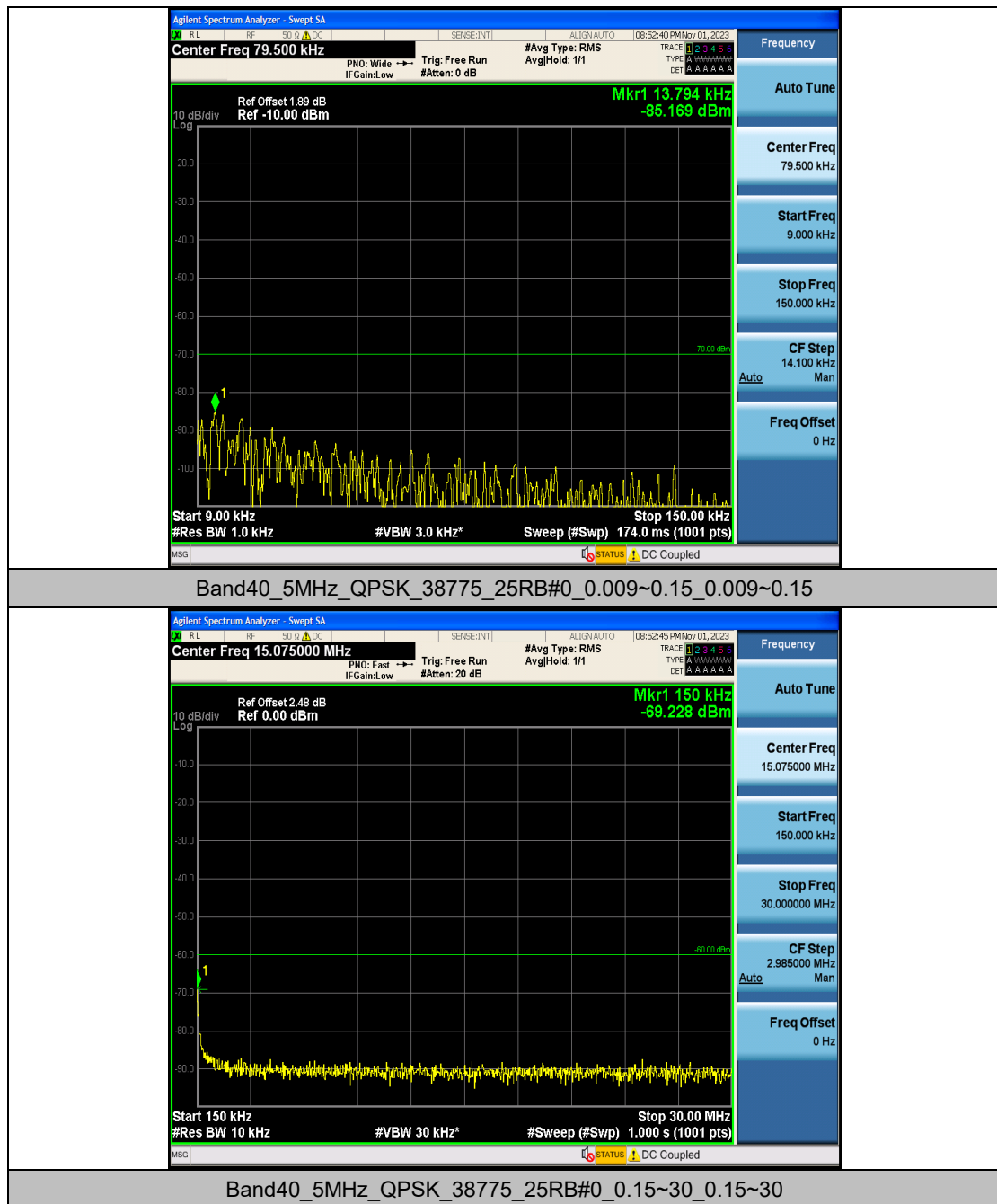


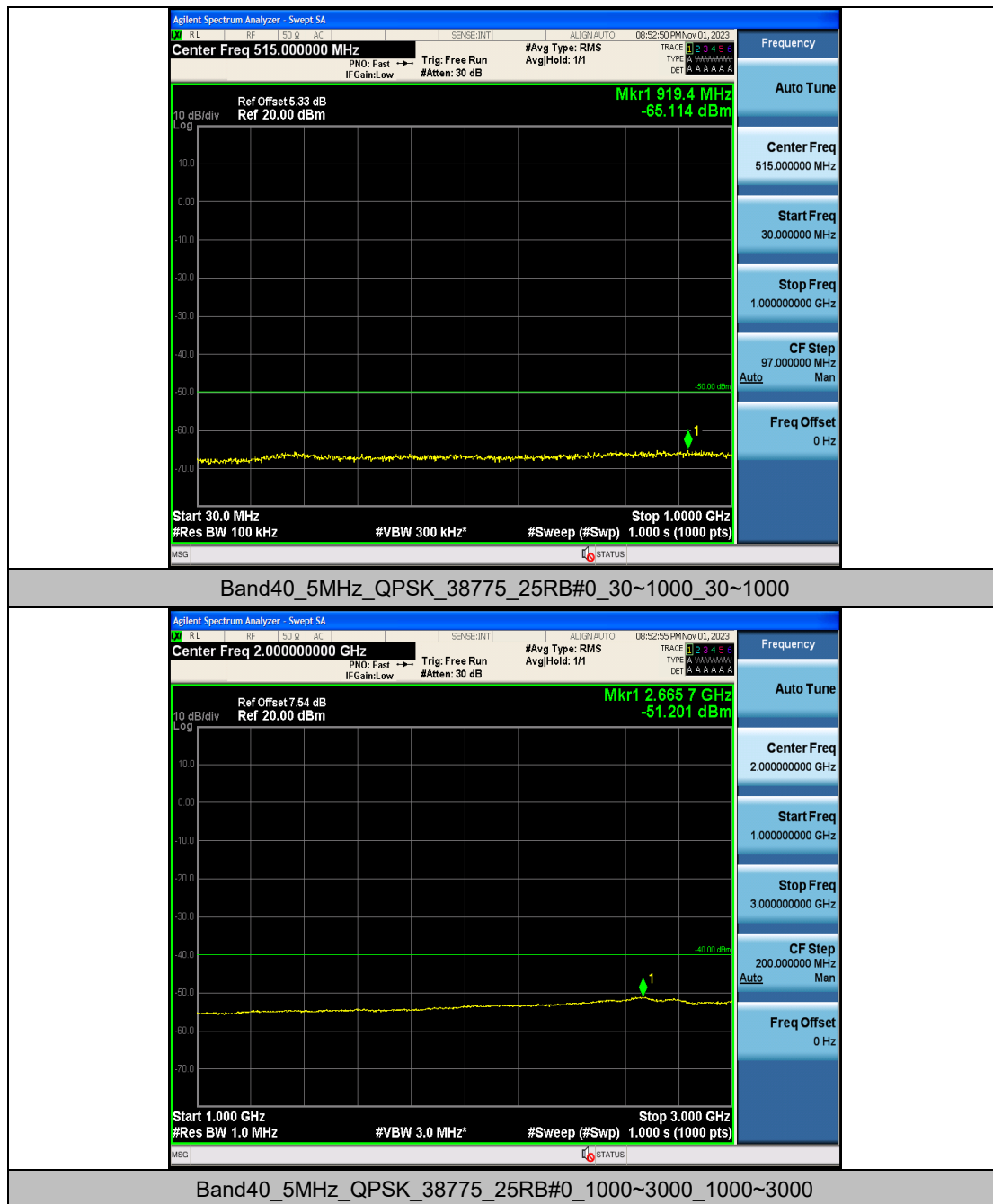


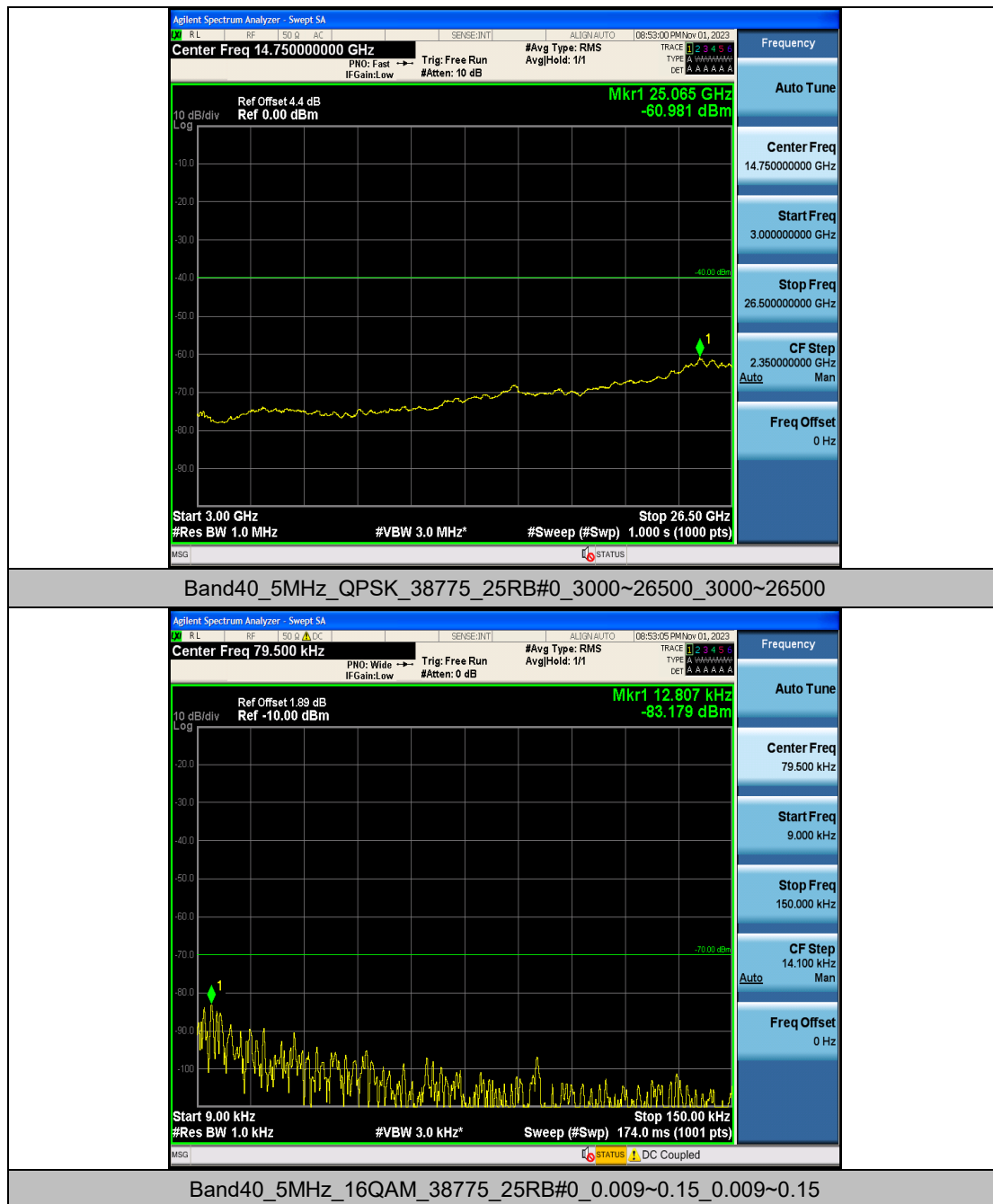


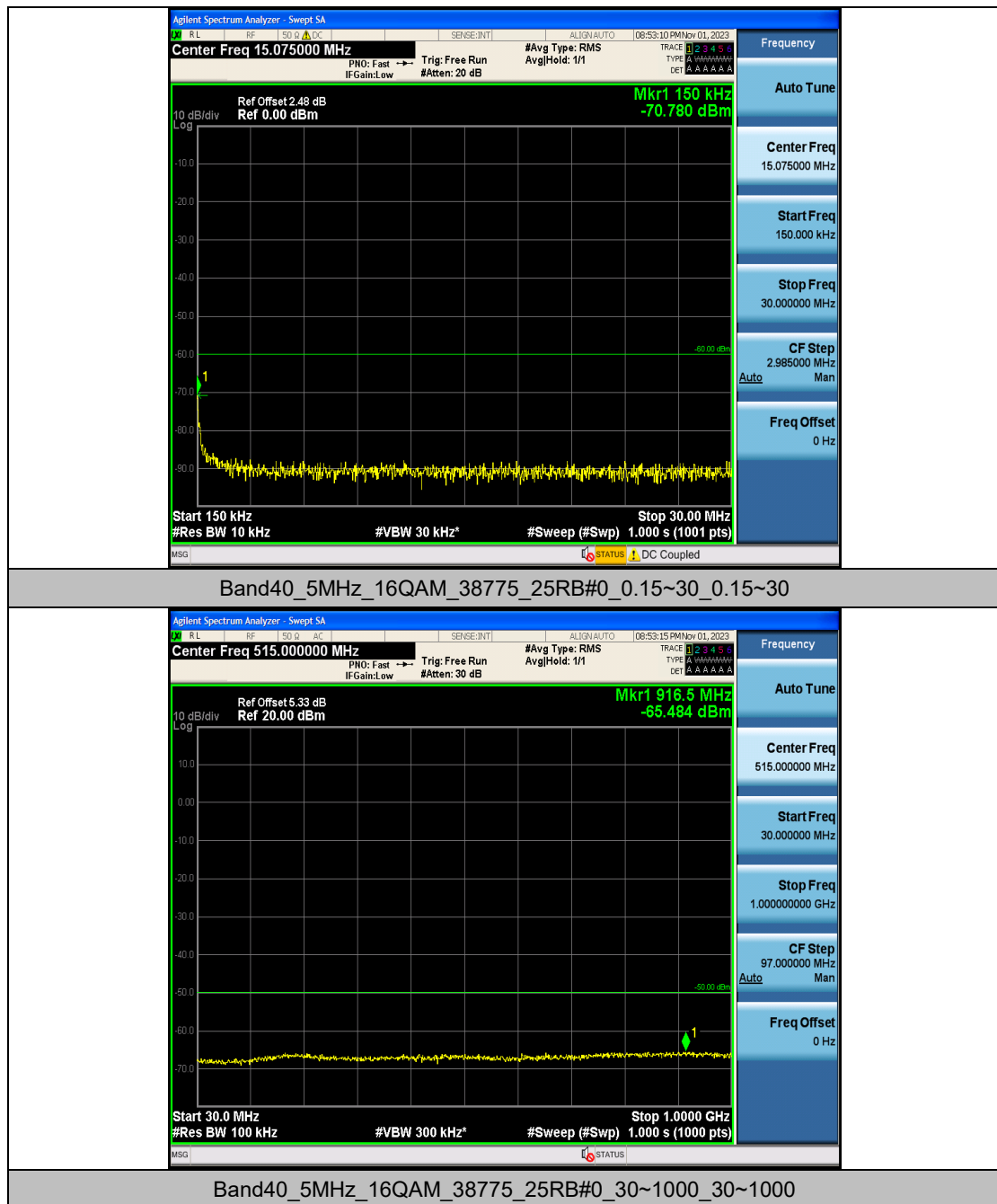


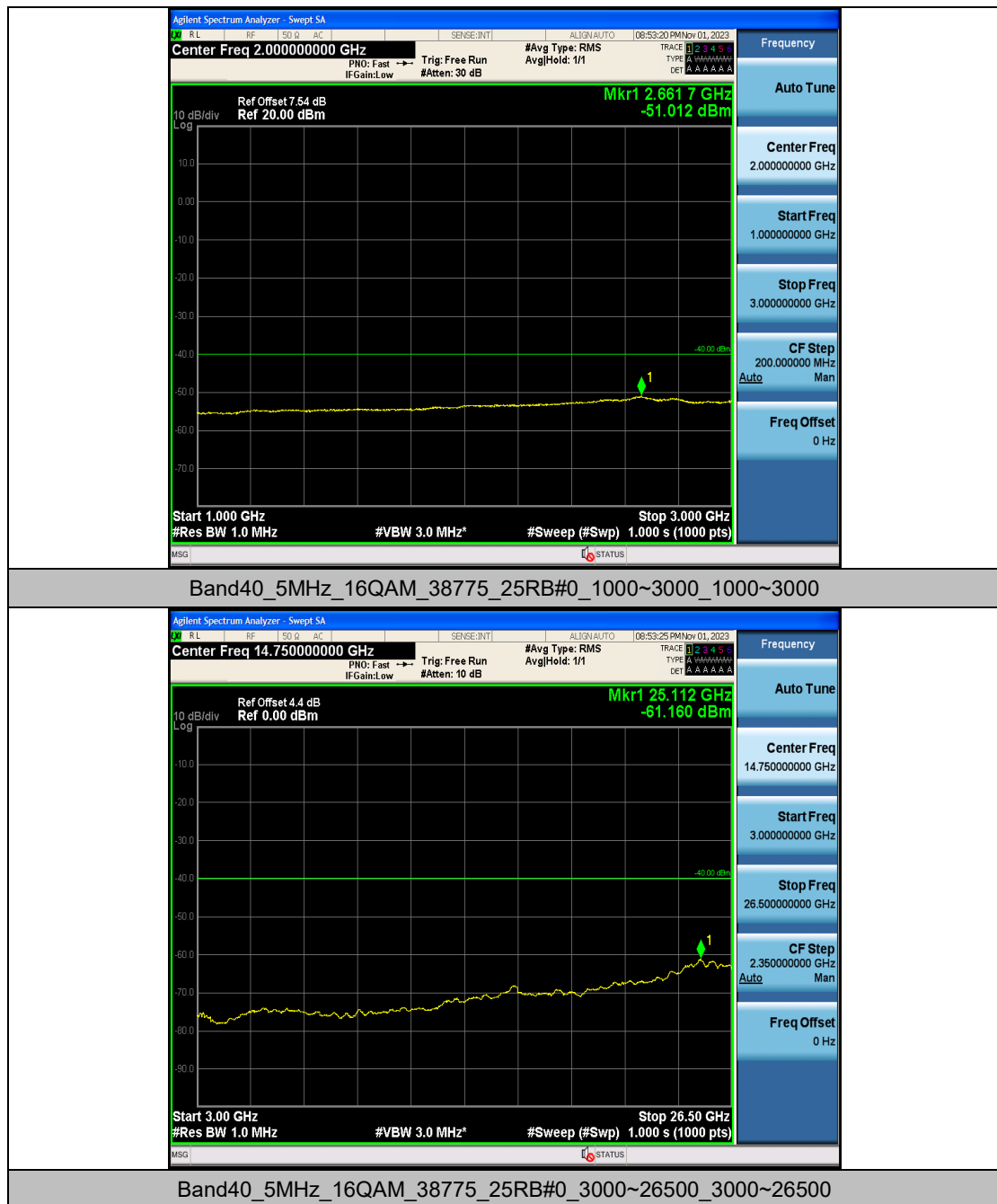


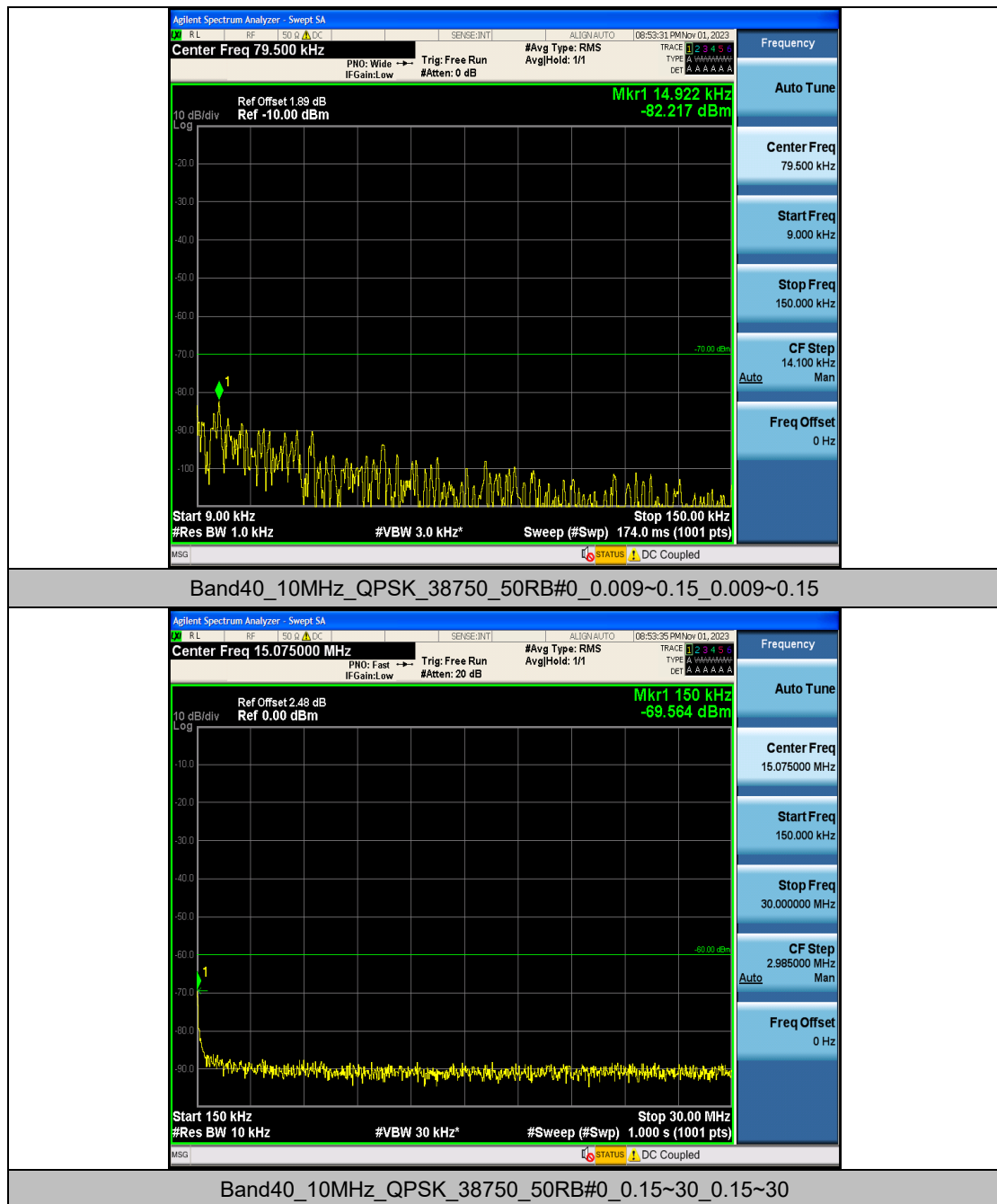


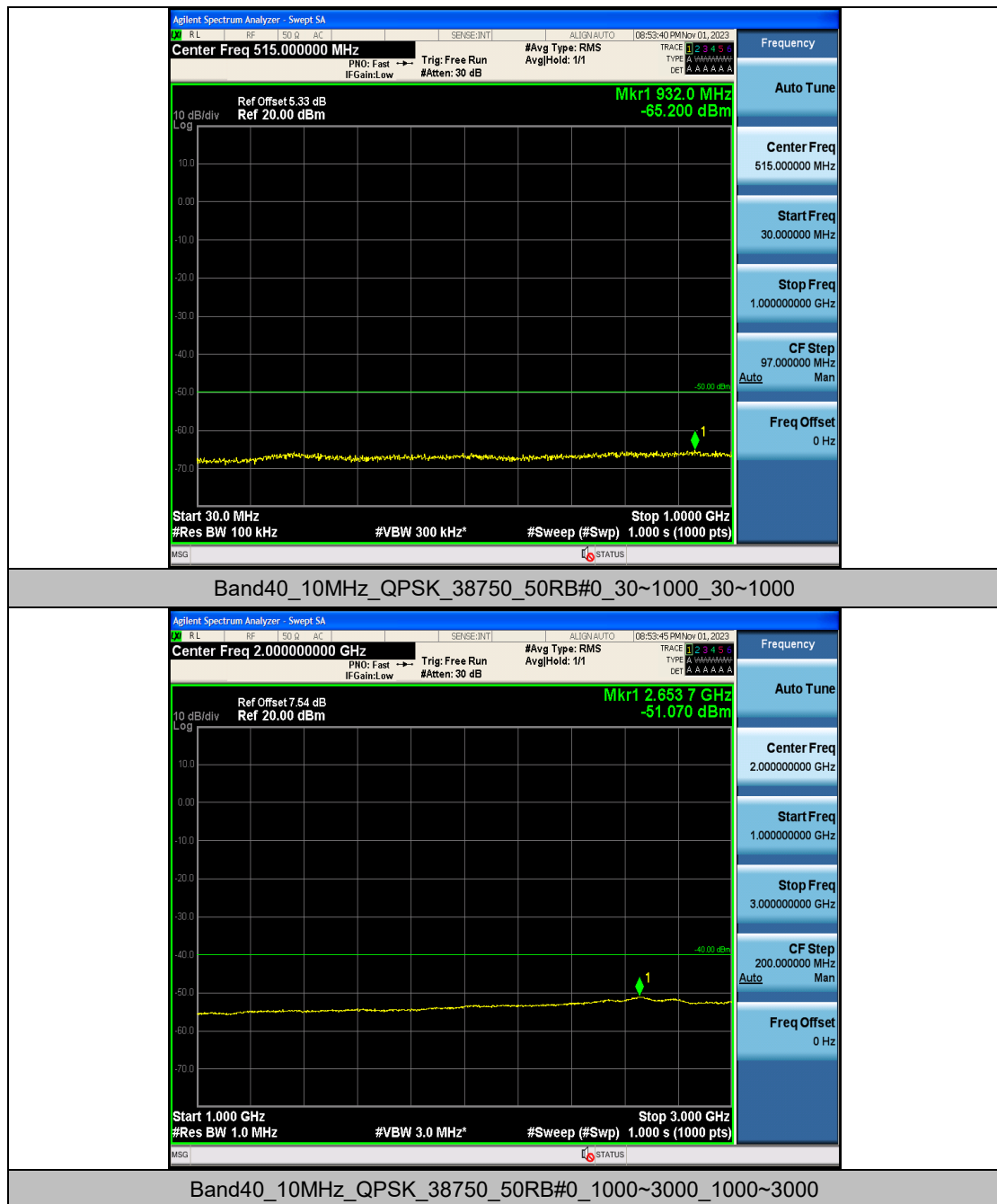


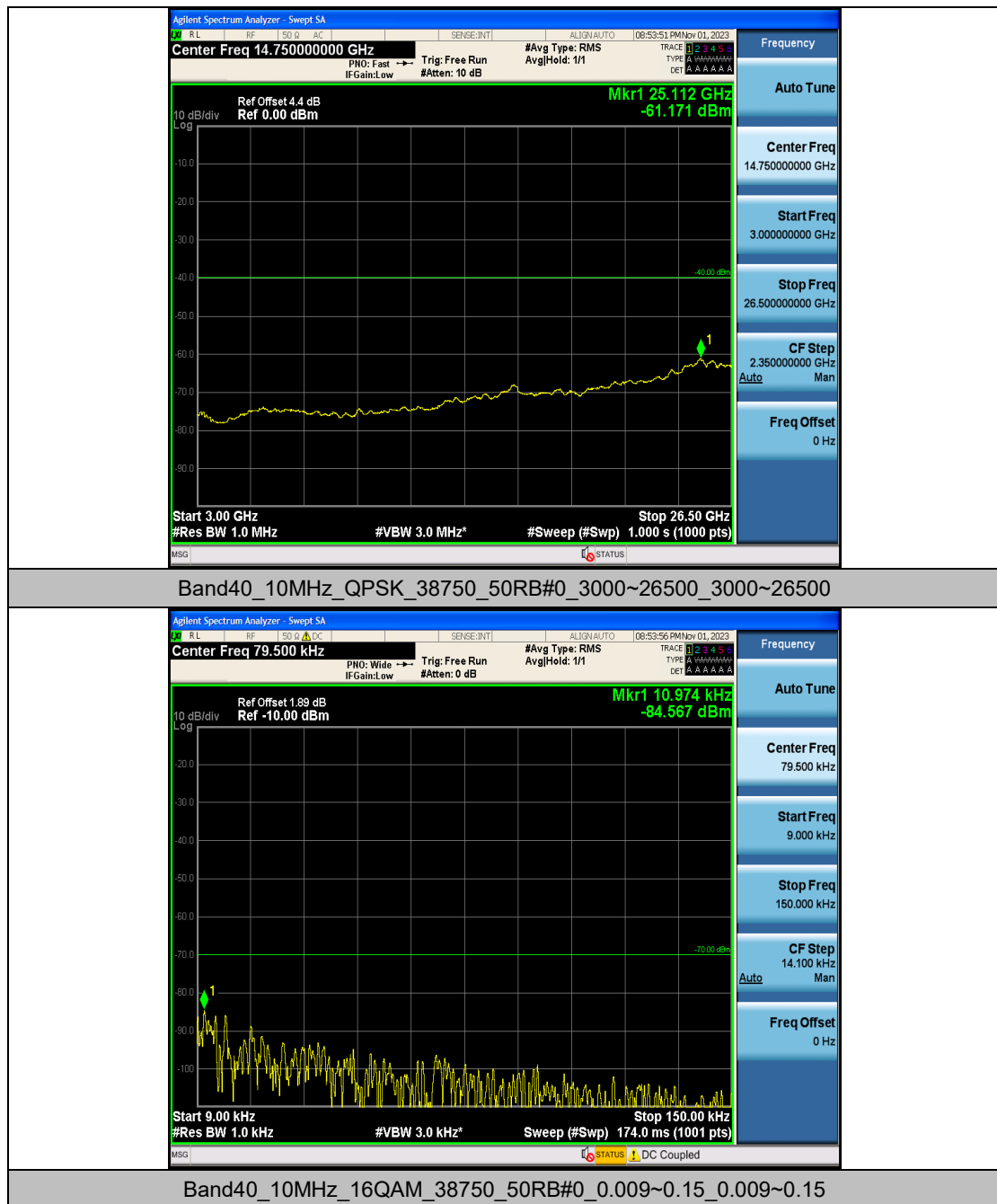


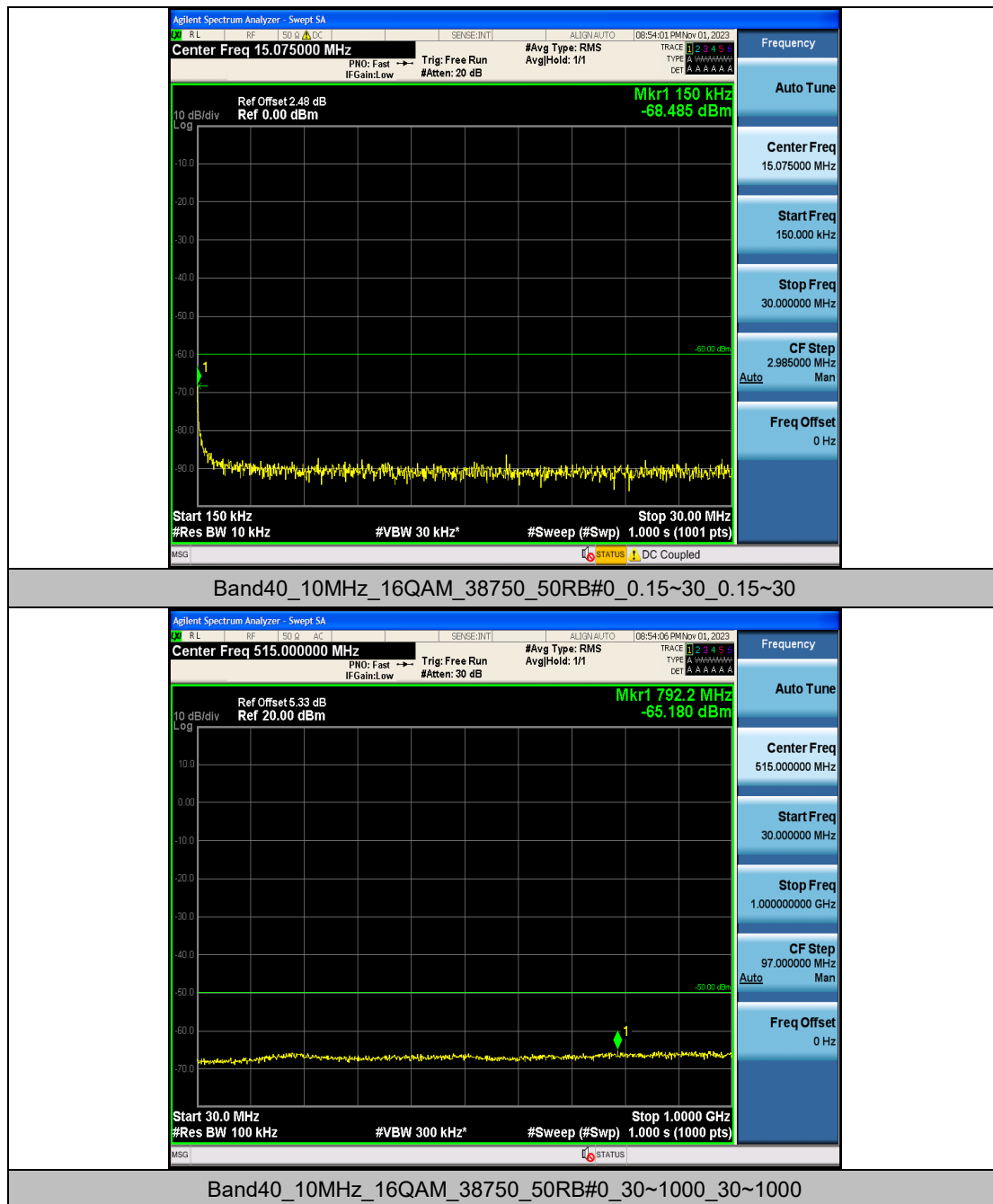


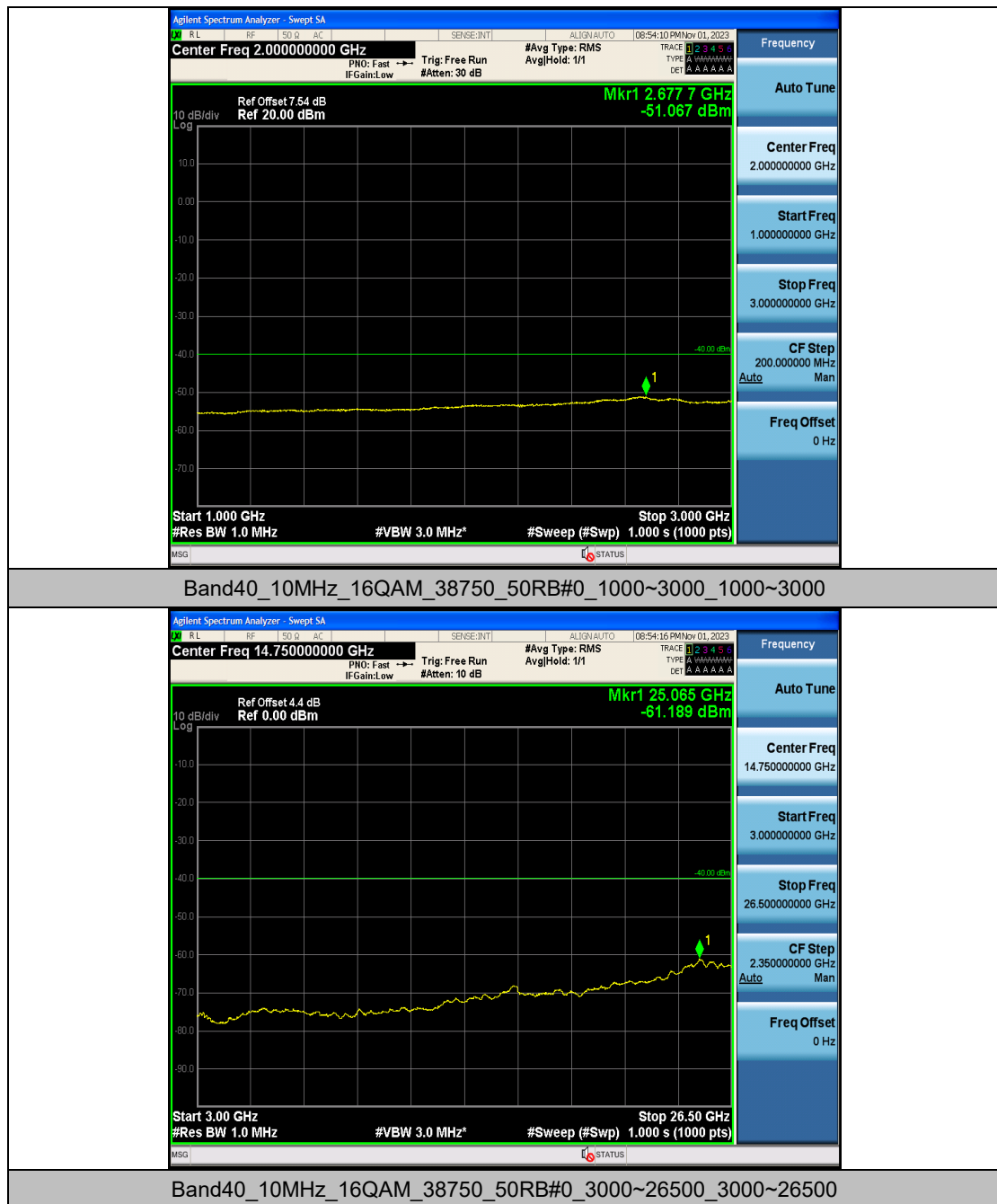












Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
40(2305-2315)	5MHz	QPSK	38725	25RB#0	VN	NT	-3.81	-0.001651	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	VL	NT	-4.61	-0.001998	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	VH	NT	5.44	0.002358	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	VN	NT	6.62	0.002869	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	VL	NT	5.76	0.002496	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	VH	NT	-6.69	-0.002899	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	VN	NT	-9.33	-0.004039	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	VL	NT	-10.56	-0.004571	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	VH	NT	-8.70	-0.003766	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	VN	NT	-7.27	-0.003147	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	VL	NT	-9.31	-0.004030	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	VH	NT	-6.15	-0.002662	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	VN	NT	5.97	0.002582	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	VL	NT	-3.76	-0.001626	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	VH	NT	-7.17	-0.003101	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	VN	NT	4.13	0.001786	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	VL	NT	6.79	0.002936	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	VH	NT	-7.98	-0.003451	±2.5	PASS

40(2305-2315)	10MHz	QPSK	38750	50RB#0	VN	NT	-13.19	-0.005710	±2.5	PAS S
40(2305-2315)	10MHz	QPSK	38750	50RB#0	VL	NT	-9.76	-0.004225	±2.5	PAS S
40(2305-2315)	10MHz	QPSK	38750	50RB#0	VH	NT	-12.80	-0.005541	±2.5	PAS S
40(2305-2315)	10MHz	16QAM	38750	50RB#0	VN	NT	-12.52	-0.005420	±2.5	PAS S
40(2305-2315)	10MHz	16QAM	38750	50RB#0	VL	NT	-9.78	-0.004234	±2.5	PAS S
40(2305-2315)	10MHz	16QAM	38750	50RB#0	VH	NT	-9.34	-0.004043	±2.5	PAS S

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-30	-5.12	-0.002219	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-20	-4.45	-0.001928	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-10	-5.19	-0.002249	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	0	-10.73	-0.004650	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	10	6.67	0.002891	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	20	-5.76	-0.002496	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	30	-6.64	-0.002878	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	40	-4.92	-0.002132	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	50	-6.78	-0.002938	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	-30	4.19	0.001816	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	-20	7.38	0.003198	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	-10	5.51	0.002388	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	0	6.34	0.002748	±2.5	PAS S

40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	10	4.75	0.002059	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	20	5.14	0.002228	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	30	-7.51	-0.003255	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	40	-5.16	-0.002236	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	50	-3.16	-0.001369	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	-30	-13.03	-0.005641	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	-20	-7.11	-0.003078	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	-10	-10.21	-0.004420	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	0	-8.25	-0.003571	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	10	-6.51	-0.002818	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	20	-7.58	-0.003281	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	30	-10.11	-0.004377	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	40	-7.11	-0.003078	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	50	-10.10	-0.004372	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	-30	-13.36	-0.005784	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	-20	-11.27	-0.004879	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	-10	-8.50	-0.003680	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	0	-5.87	-0.002541	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	10	-8.08	-0.003498	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	20	-7.44	-0.003221	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	30	-8.25	-0.003571	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	40	-7.81	-0.003381	±2.5	PAS

										S
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	50	-8.78	-0.003801	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	-30	-9.08	-0.003926	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	-20	-8.83	-0.003818	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	-10	-4.02	-0.001738	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	0	-7.95	-0.003438	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	10	-5.14	-0.002223	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	20	-6.18	-0.002672	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	30	5.46	0.002361	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	40	4.73	0.002045	±2.5	PAS S
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	50	5.91	0.002556	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-30	-6.85	-0.002962	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-20	-7.65	-0.003308	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-10	-4.95	-0.002141	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38775	25RB#0	NV	0	-6.47	-0.002798	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38775	25RB#0	NV	10	-4.89	-0.002115	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38775	25RB#0	NV	20	-5.98	-0.002586	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38775	25RB#0	NV	30	6.54	0.002828	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38775	25RB#0	NV	40	-4.53	-0.001959	±2.5	PAS S
40(2305-2315)	5MHz	16QAM	38775	25RB#0	NV	50	-7.38	-0.003191	±2.5	PAS S
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	-30	-8.31	-0.003597	±2.5	PAS S
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	-20	-10.36	-0.004485	±2.5	PAS S

40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	-10	-13.38	-0.005792	±2.5	PAS S
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	0	-7.18	-0.003108	±2.5	PAS S
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	10	-10.69	-0.004628	±2.5	PAS S
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	20	-12.57	-0.005442	±2.5	PAS S
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	30	-5.64	-0.002442	±2.5	PAS S
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	40	-9.77	-0.004229	±2.5	PAS S
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	50	-10.09	-0.004368	±2.5	PAS S
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	-30	-10.29	-0.004455	±2.5	PAS S
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	-20	-11.00	-0.004762	±2.5	PAS S
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	-10	-9.63	-0.004169	±2.5	PAS S
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	0	-8.31	-0.003597	±2.5	PAS S
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	10	-7.28	-0.003152	±2.5	PAS S
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	20	-11.13	-0.004818	±2.5	PAS S
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	30	-9.58	-0.004147	±2.5	PAS S
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	40	-14.59	-0.006316	±2.5	PAS S
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	50	-11.66	-0.005048	±2.5	PAS S