

FCC LTE Band Test Data

FCC ID : 2A9LJ-ME61

Company: : Meferi Technologies Co.,Ltd.

EUT : Mobile Computer

Model Number : ME61

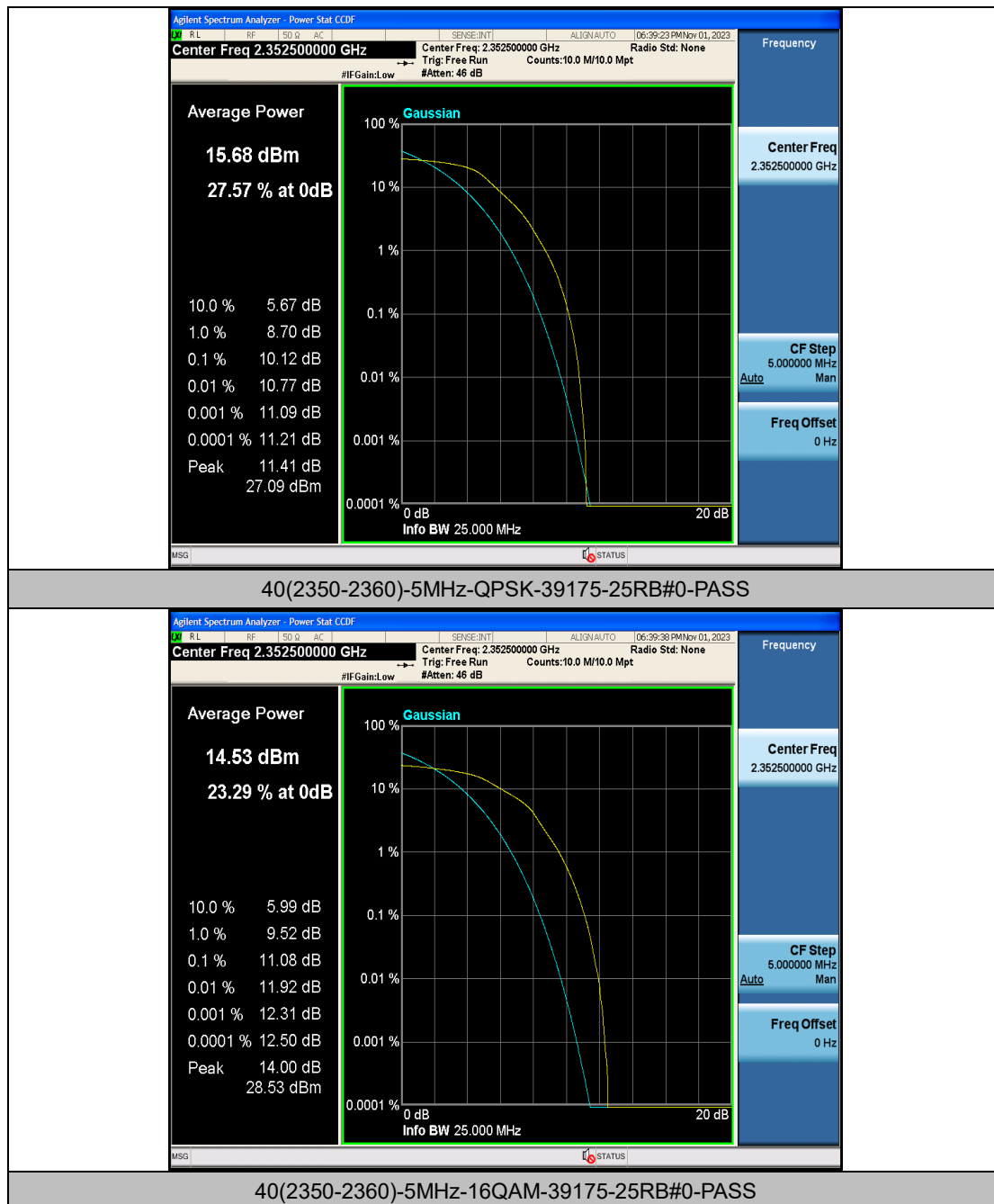
Reviewed By : Eric Wang

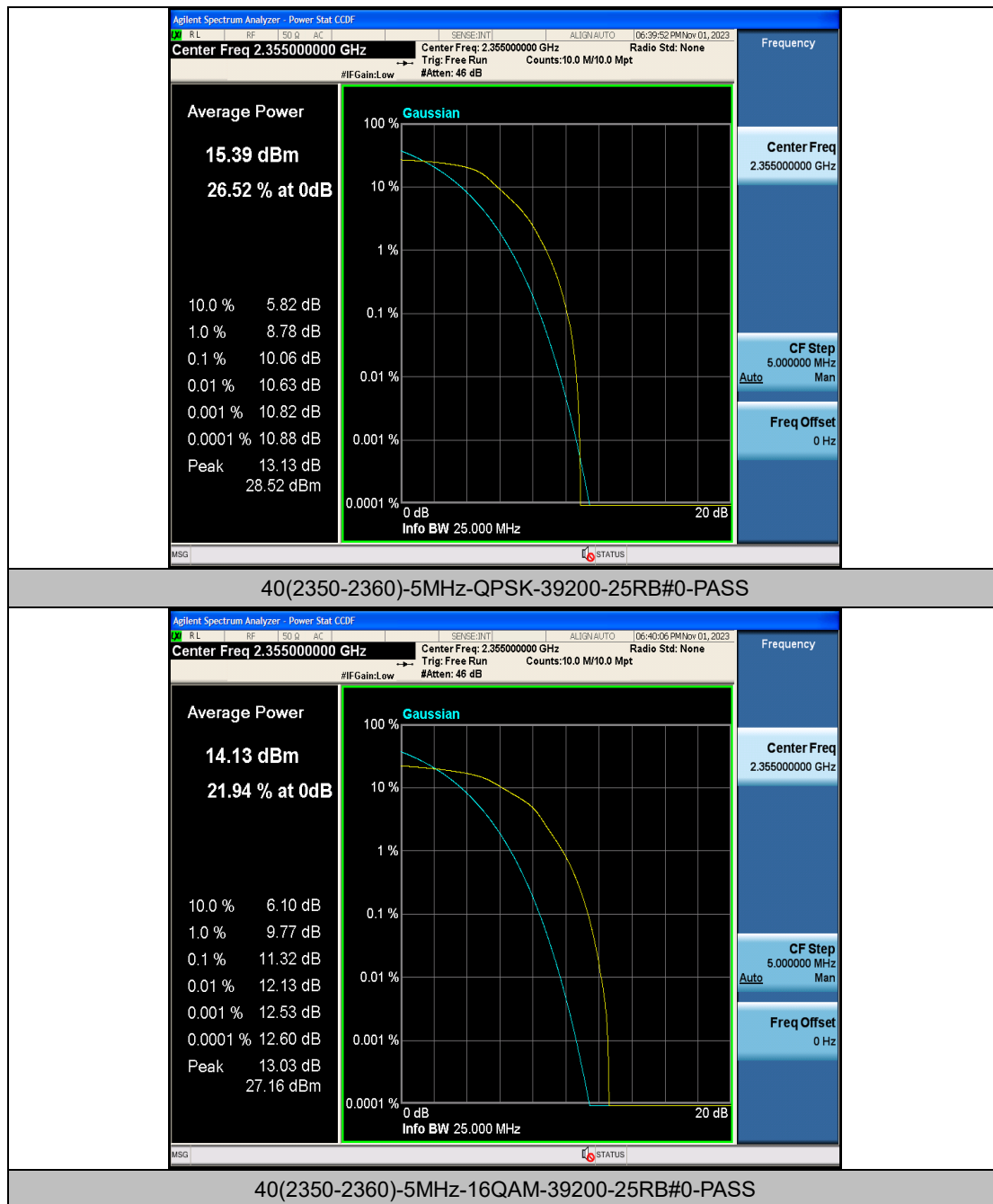
Appendix B: Peak-to-Average Ratio(CCDF)

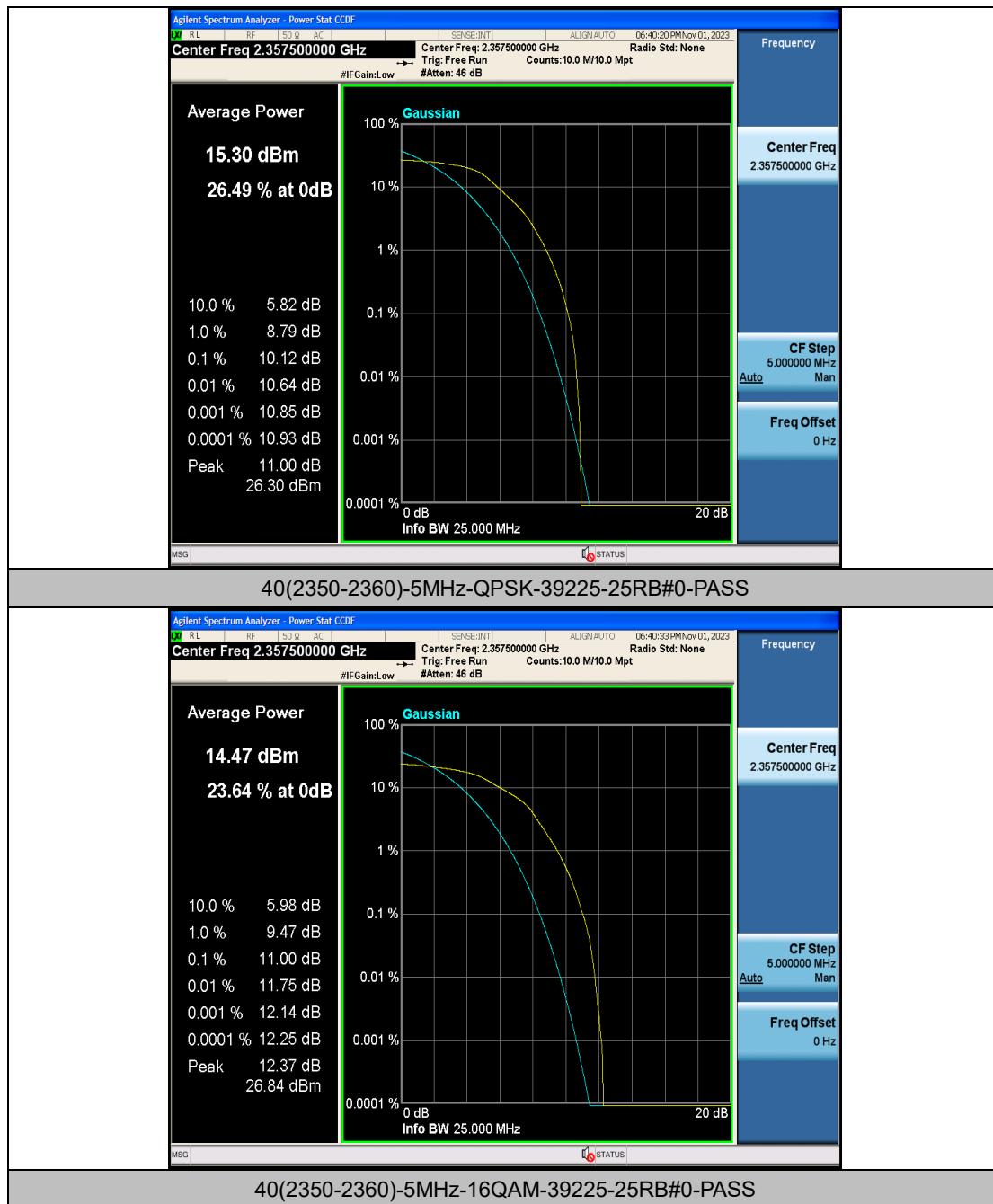
Test Result

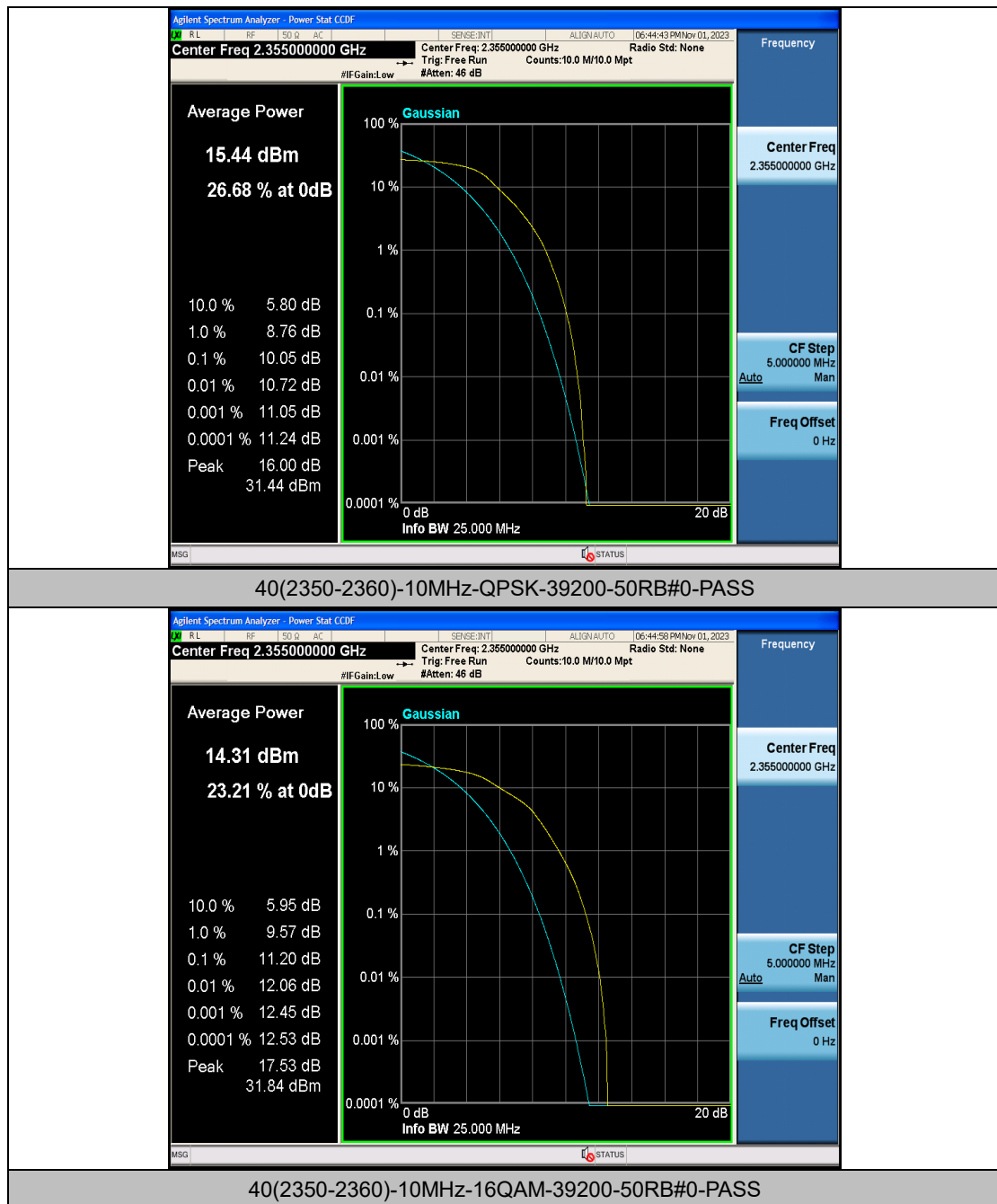
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
40(2350-2360)	5MHz	QPSK	39175	25RB#0	10.12	13	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	11.08	13	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	10.06	13	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	11.32	13	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	10.12	13	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	11.00	13	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	10.05	13	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	11.20	13	PASS

Test Graphs







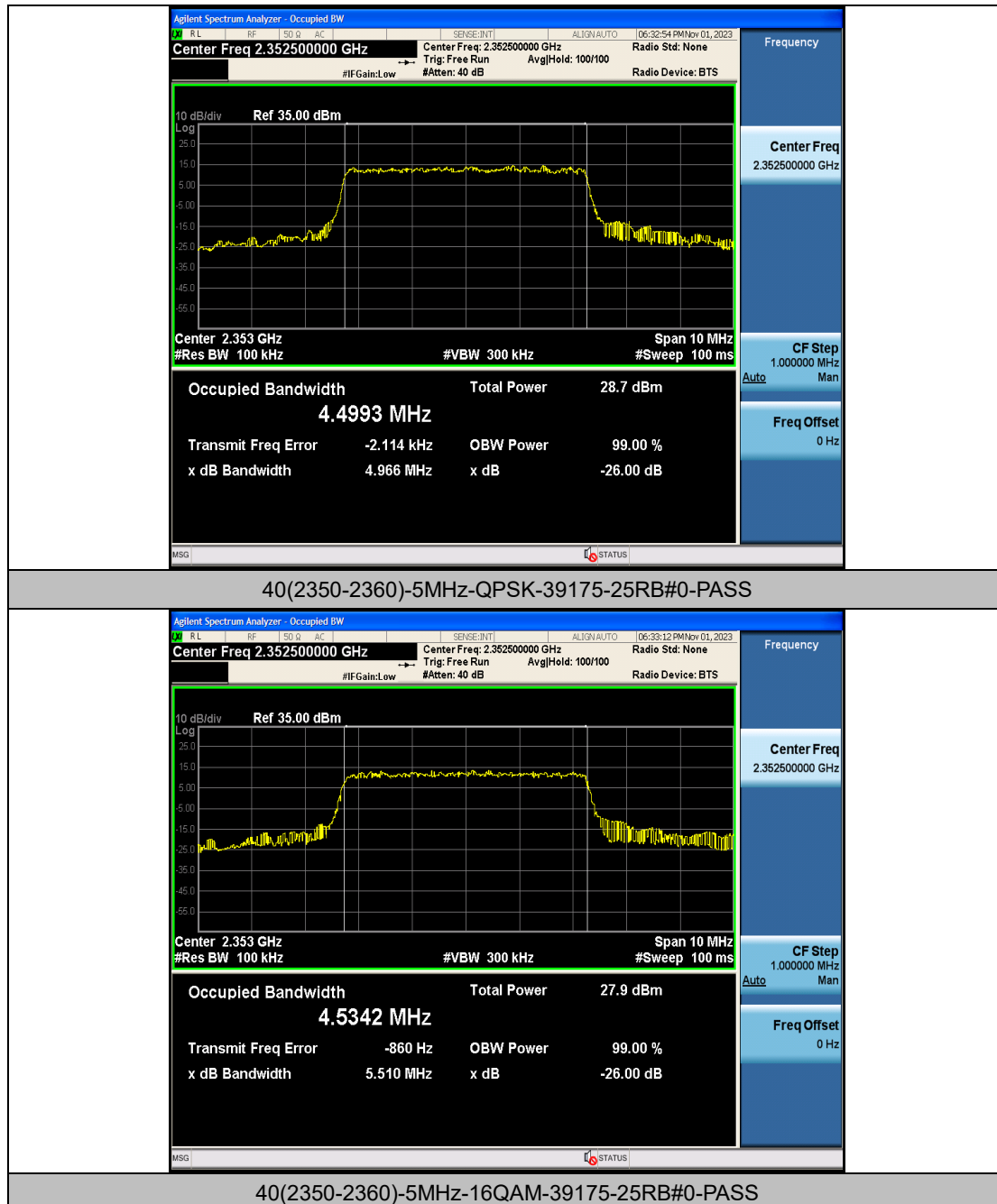


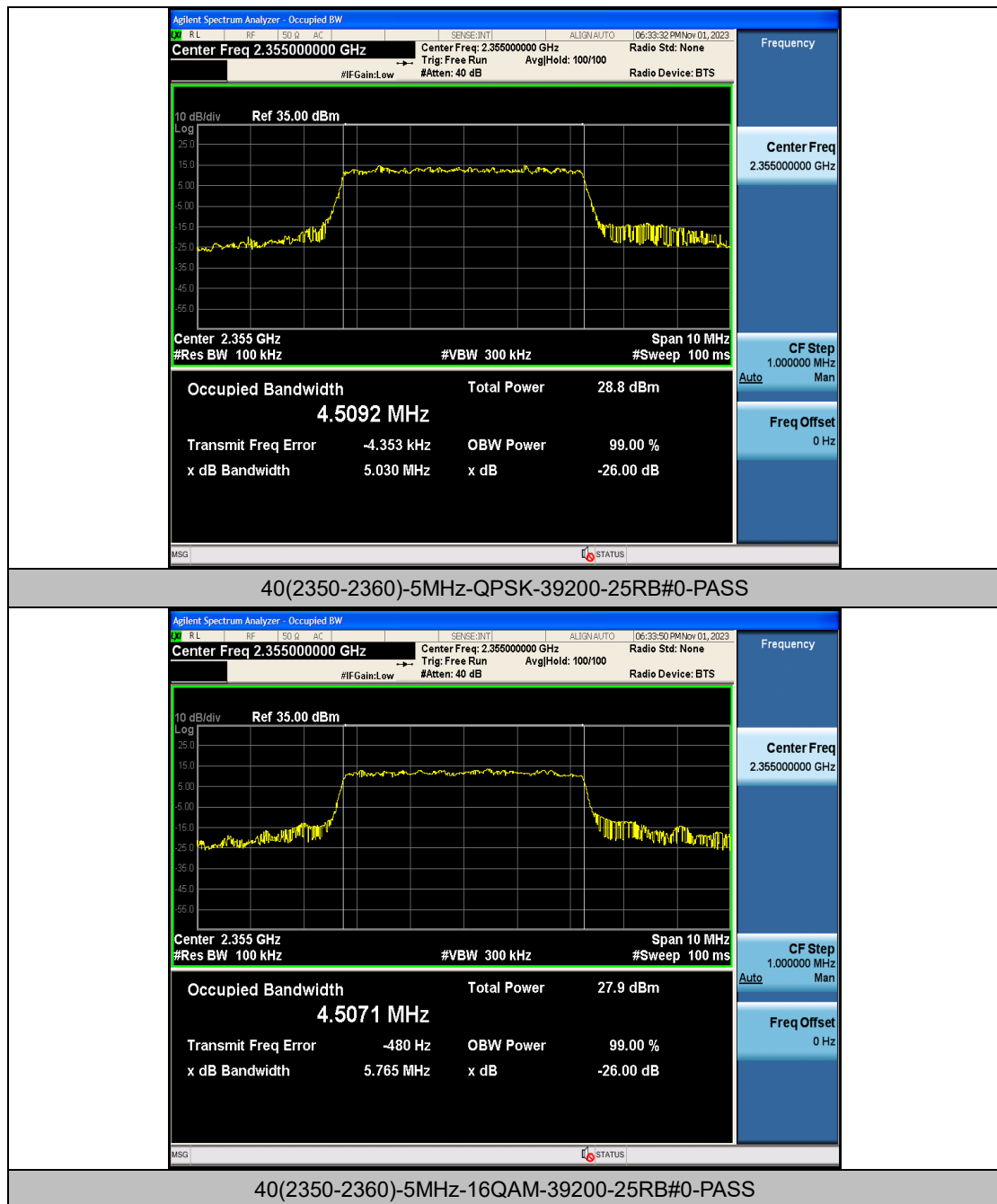
Appendix C: 26dB Bandwidth and Occupied Bandwidth

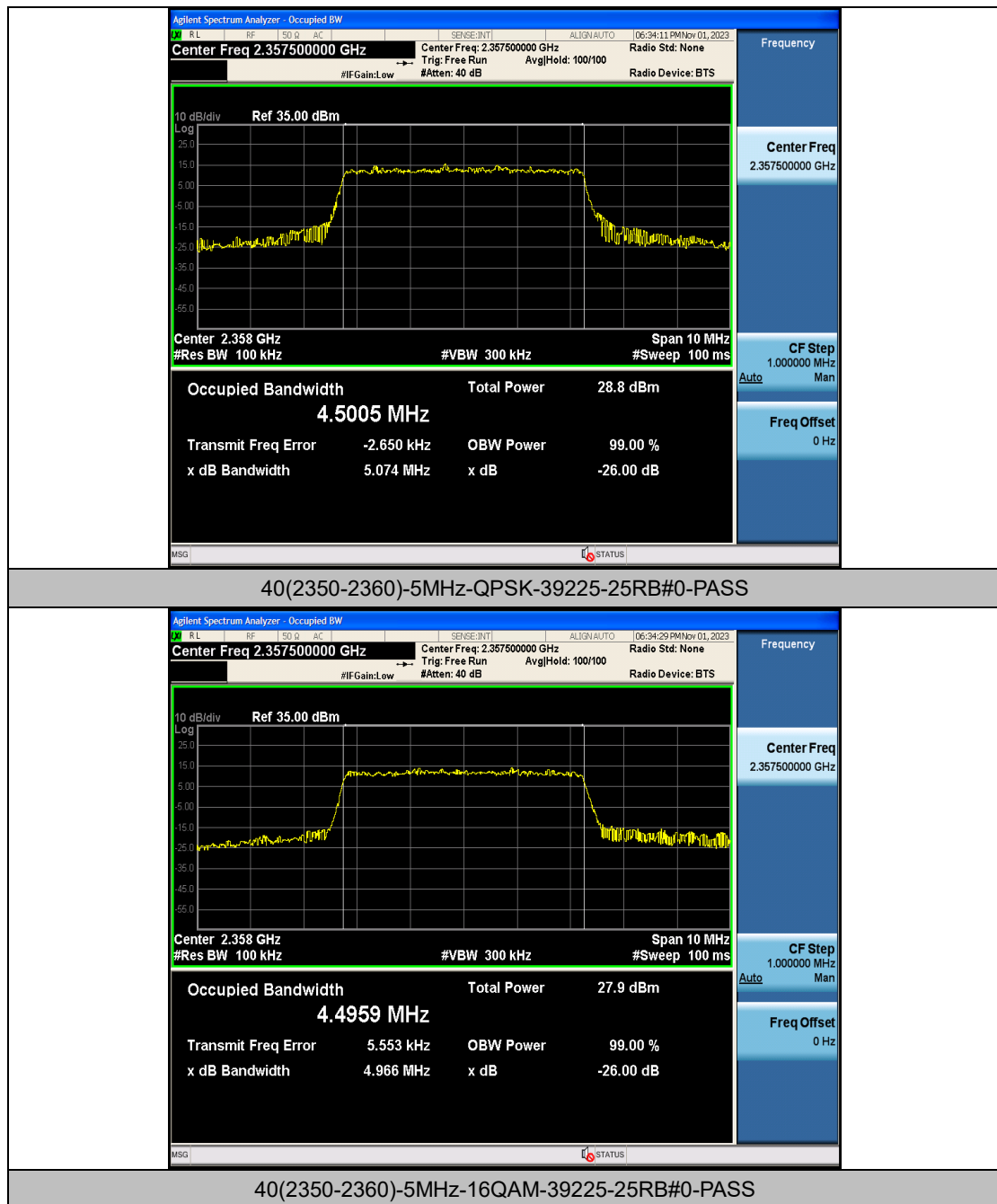
Test Result

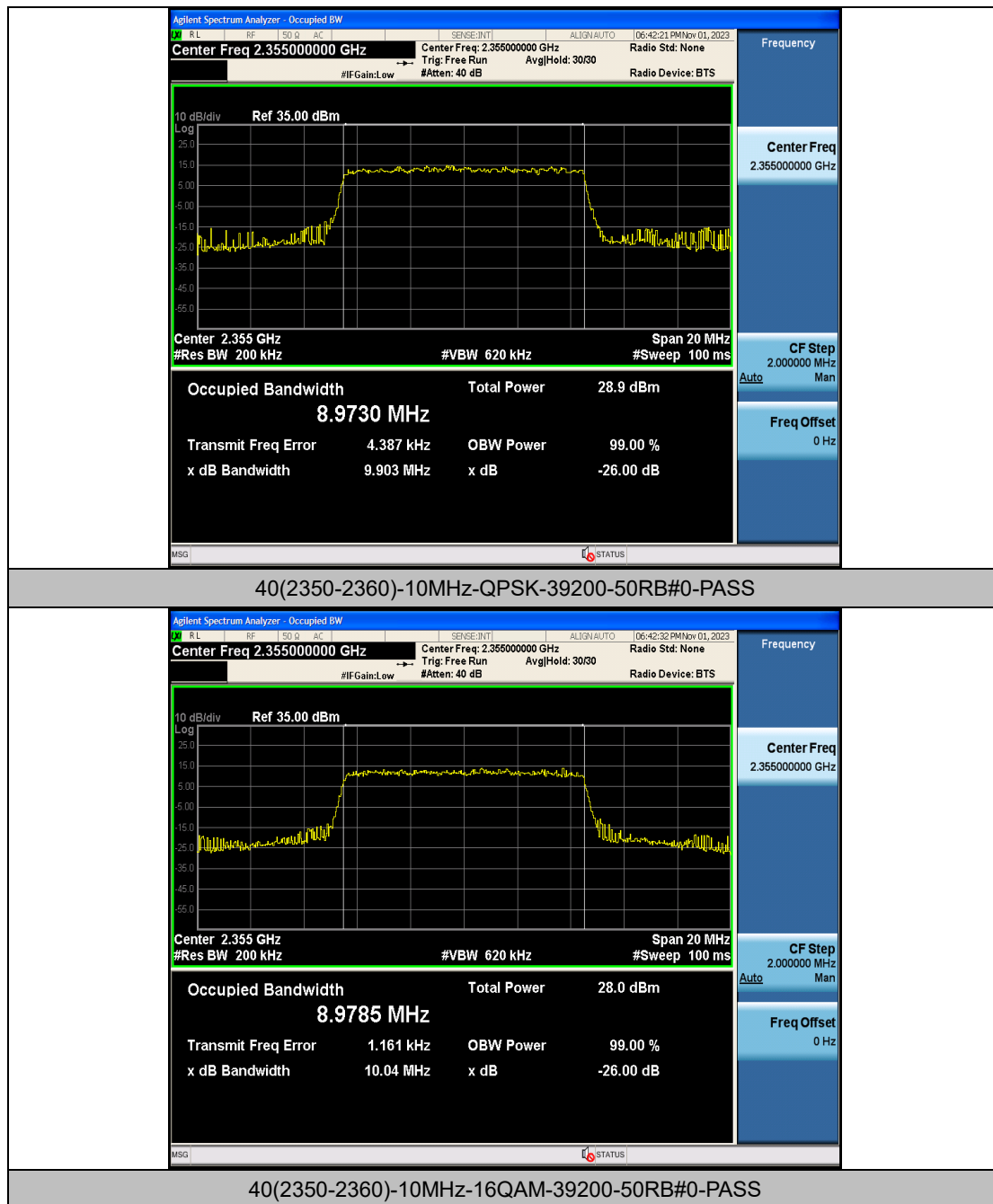
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
40(2350-2360)	5MHz	QPSK	39175	25RB#0	4.4993	4.966	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	4.5342	5.510	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	4.5092	5.030	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	4.5071	5.765	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	4.5005	5.074	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	4.4959	4.966	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	8.9730	9.903	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	8.9785	10.04	PASS

Test Graphs







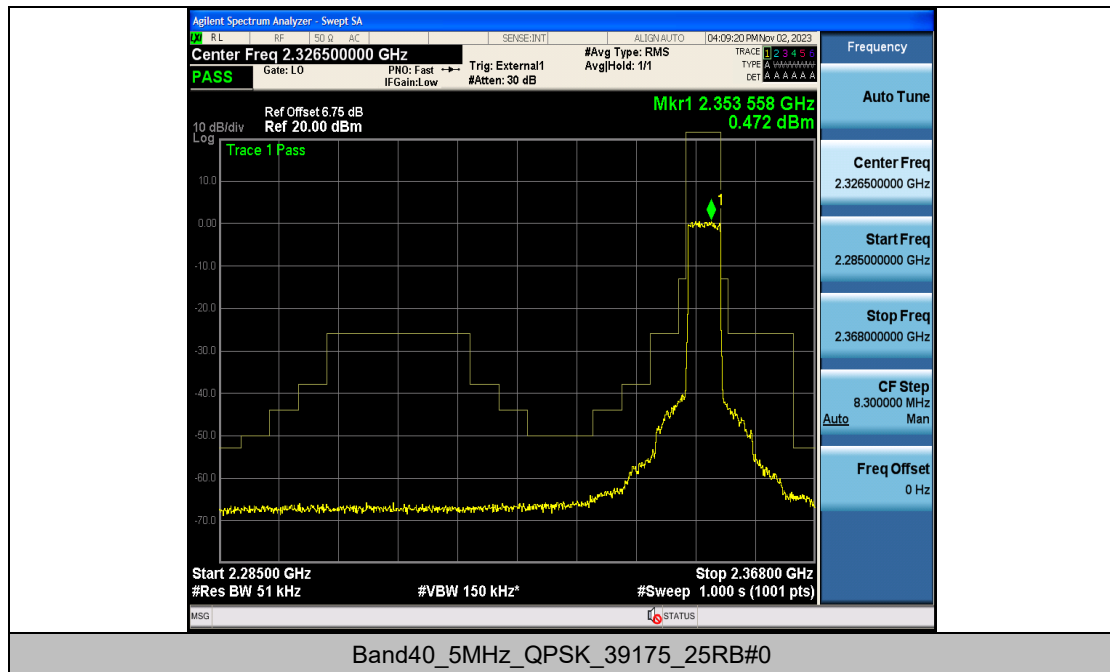


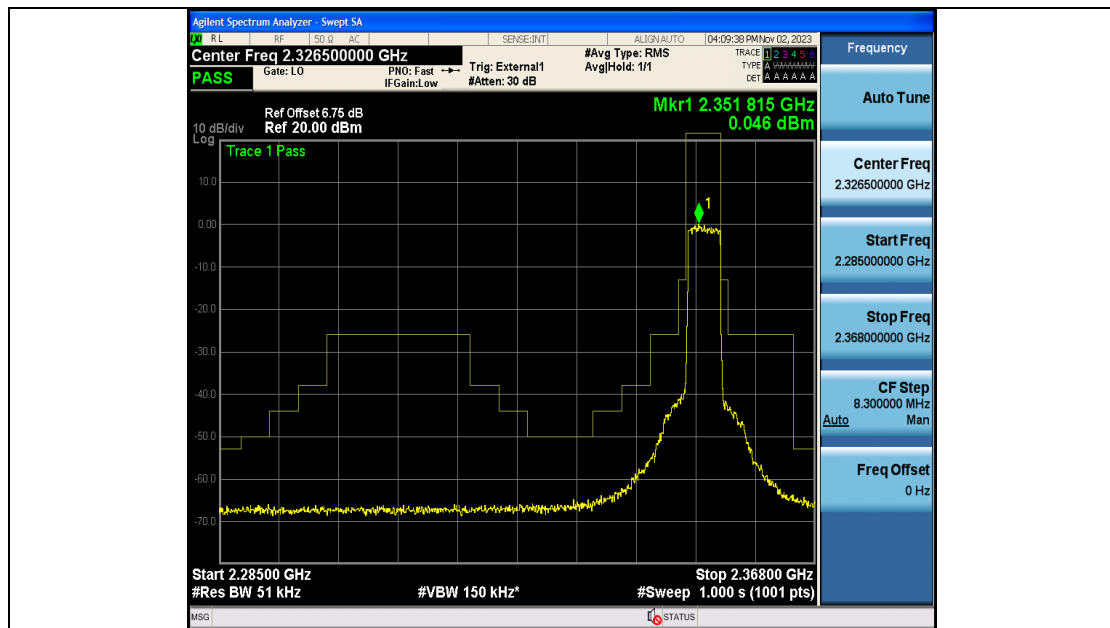
Appendix D: Band Edge

Test Result

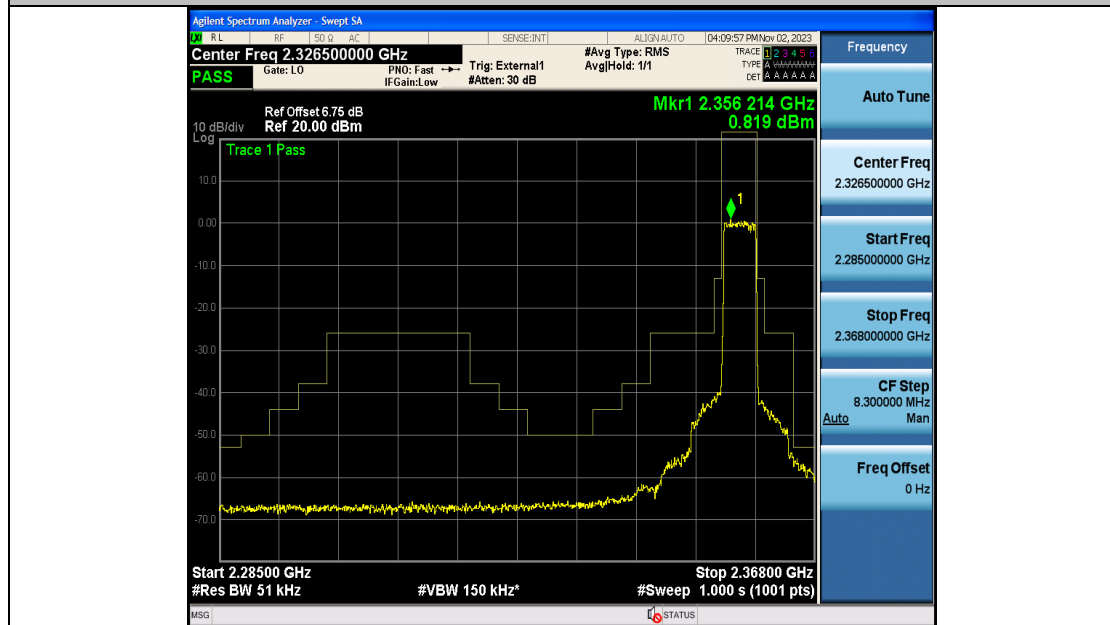
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
40(2350-2360)	5MHz	QPSK	39175	25RB#0	-63.81	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	-64.31	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	-55.60	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	-55.47	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	-50.67	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	-50.83	PASS

Test Graphs

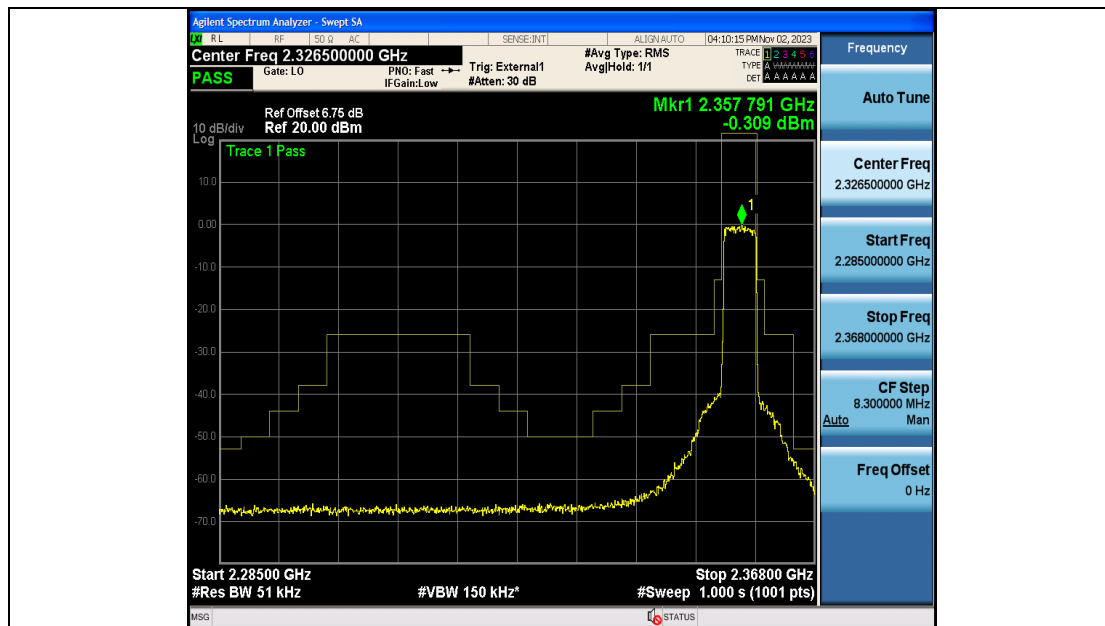




Band40_5MHz_16QAM_39175_25RB#0



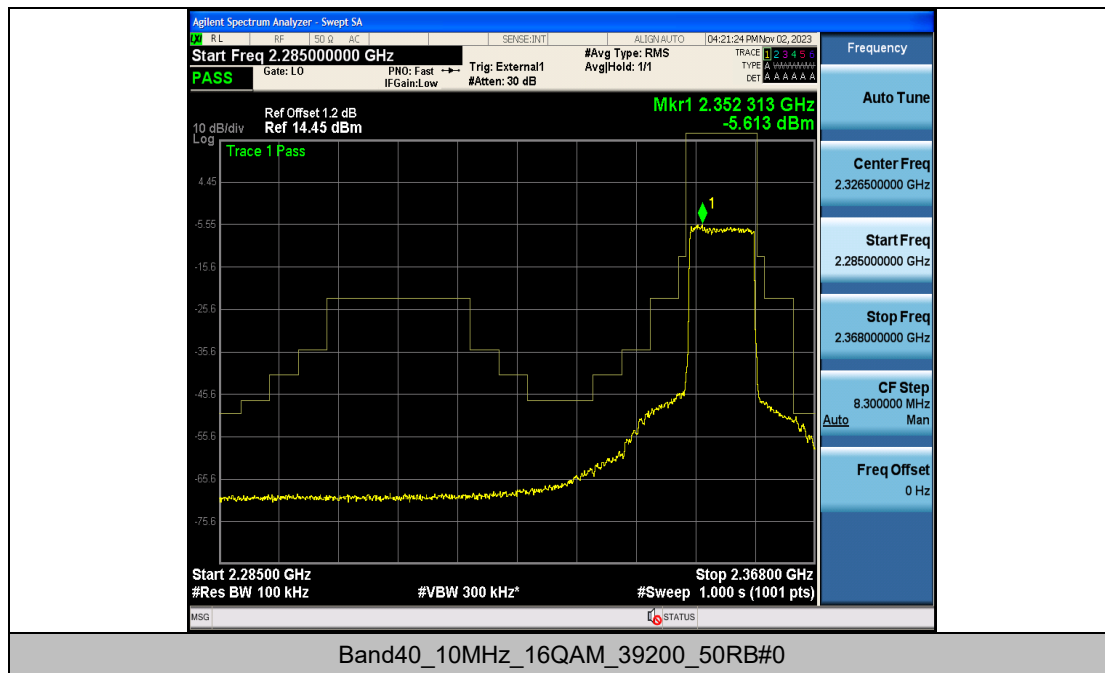
Band40_5MHz_QPSK_39225_25RB#0



Band40_5MHz_16QAM_39225_25RB#0



Band40_10MHz_QPSK_39200_50RB#0



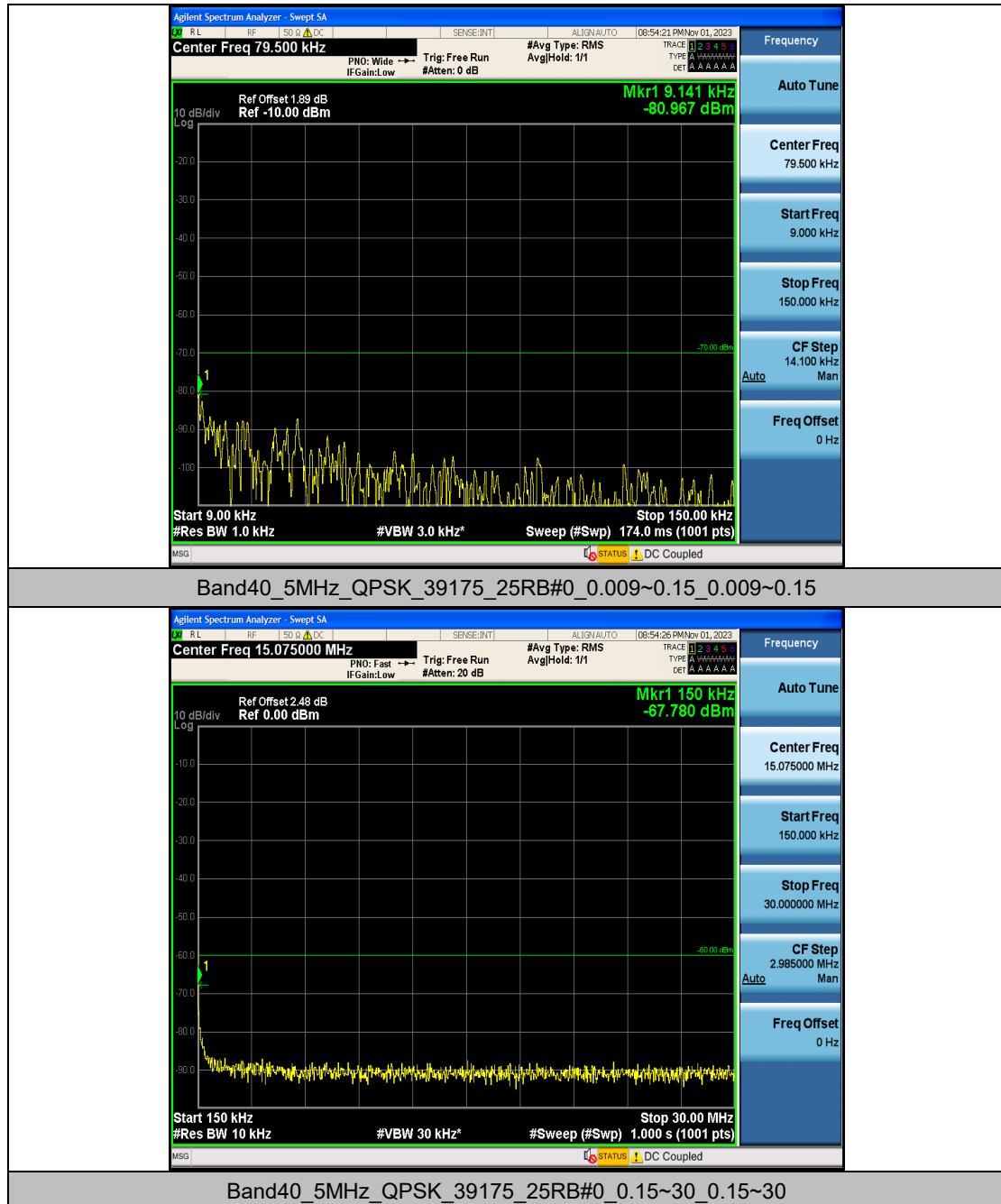
Appendix E: Conducted Spurious Emission

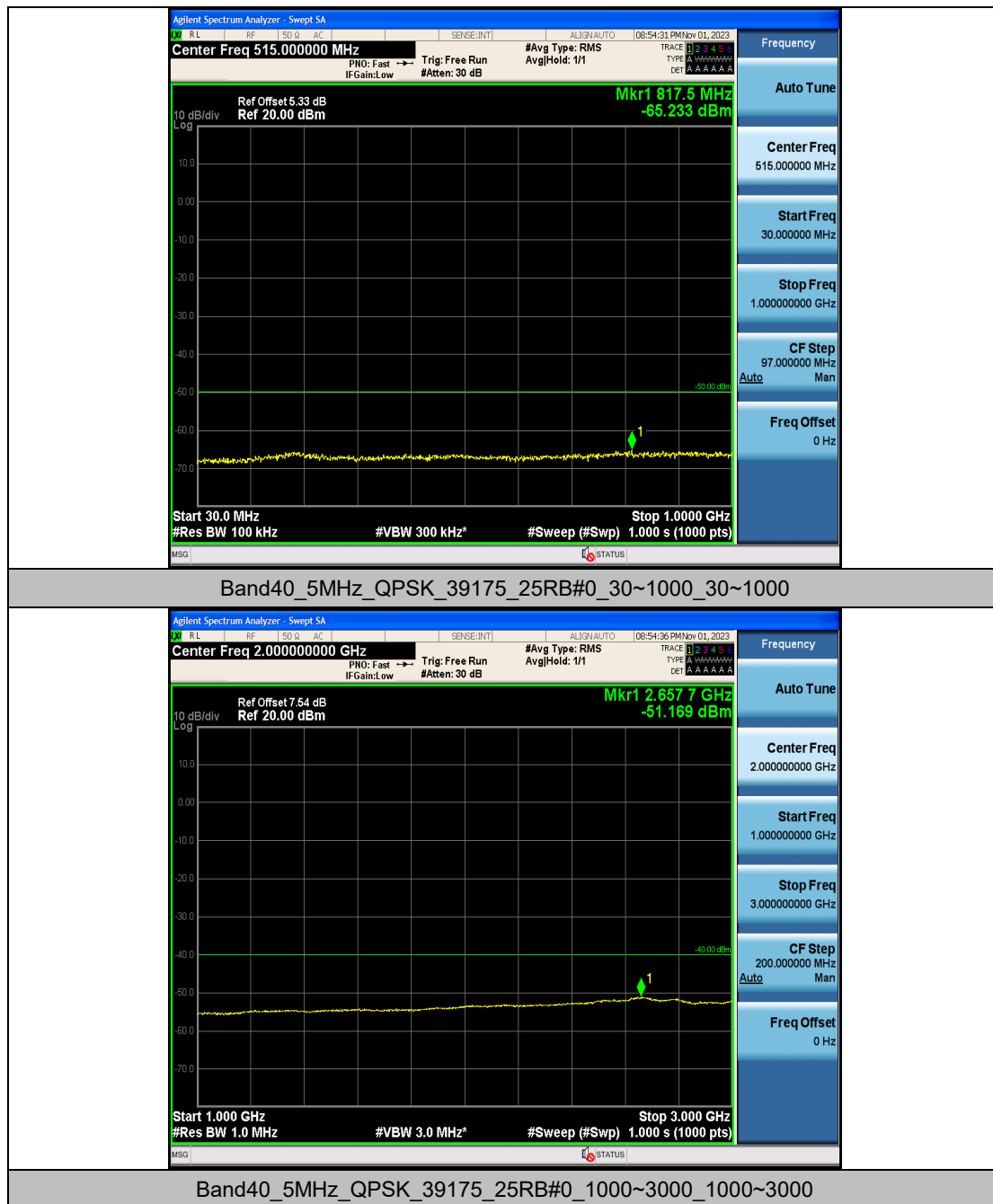
Test Result

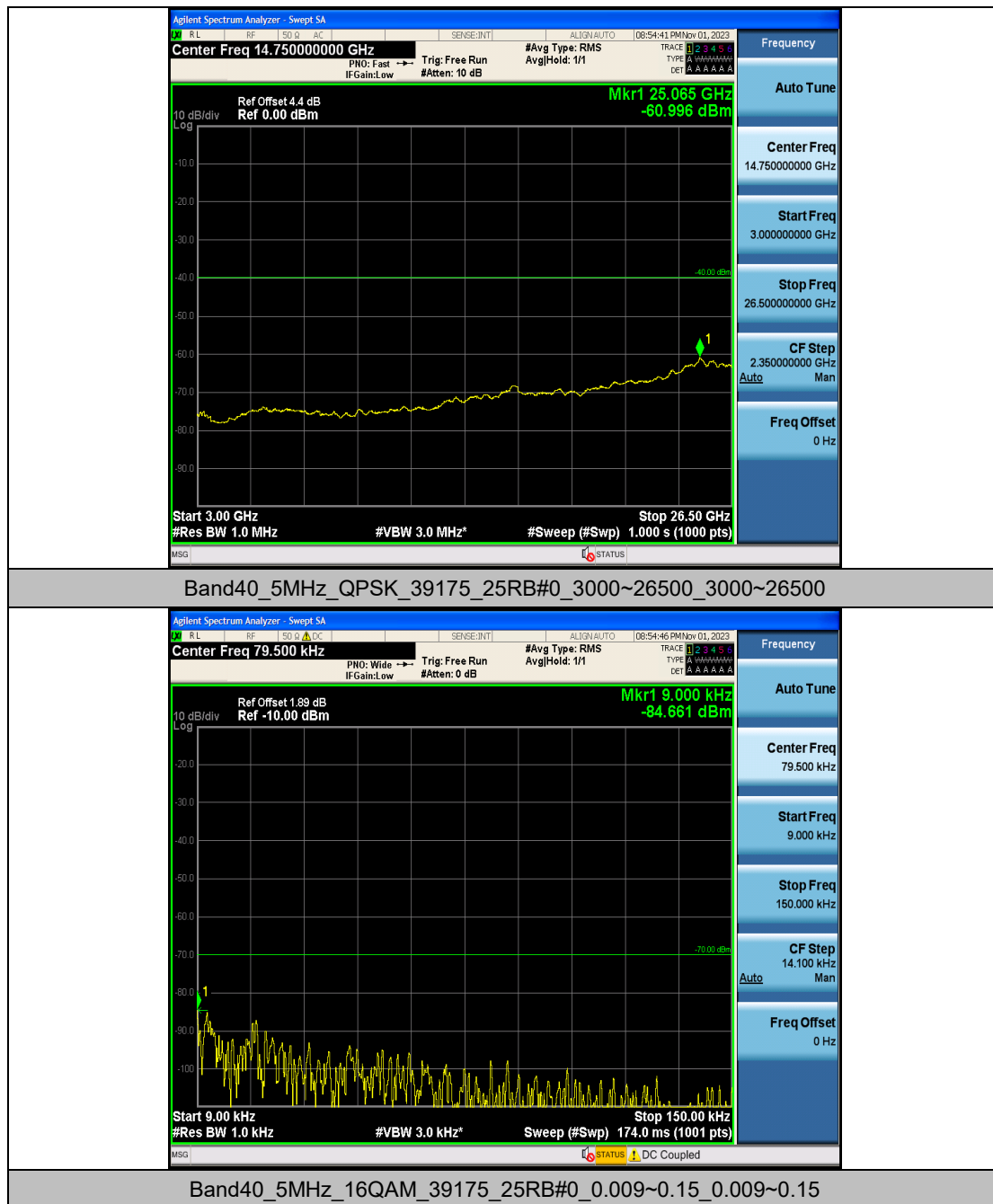
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
40(2350-2360)	5MHz	QPSK	39175	25RB#0	0.009~0.15	-80.97	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	0.15~30	-67.78	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	30~1000	-65.23	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	1000~3000	-51.17	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	3000~26500	-61.00	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	0.009~0.15	-84.66	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	0.15~30	-67.01	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	30~1000	-65.09	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	1000~3000	-51.01	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	3000~26500	-61.07	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	0.009~0.15	-83.82	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	0.15~30	-70.57	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	30~1000	-65.45	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	1000~3000	-51.03	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	3000~26500	-61.02	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	0.009~0.15	-83.39	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	0.15~30	-68.00	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	30~1000	-65.18	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	1000~3000	-51.13	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	3000~26500	-61.15	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	0.009~0.15	-82.53	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	0.15~30	-66.99	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	30~1000	-65.00	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	1000~3000	-51.17	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	3000~26500	-61.17	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	0.009~0.15	-86.44	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	0.15~30	-70.80	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	30~1000	-65.25	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	1000~3000	-51.05	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	3000~26500	-61.12	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	0.009~0.15	-84.36	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	0.15~30	-68.36	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	30~1000	-65.06	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	1000~3000	-51.00	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	3000~26500	-61.09	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	0.009~0.15	-83.54	PASS

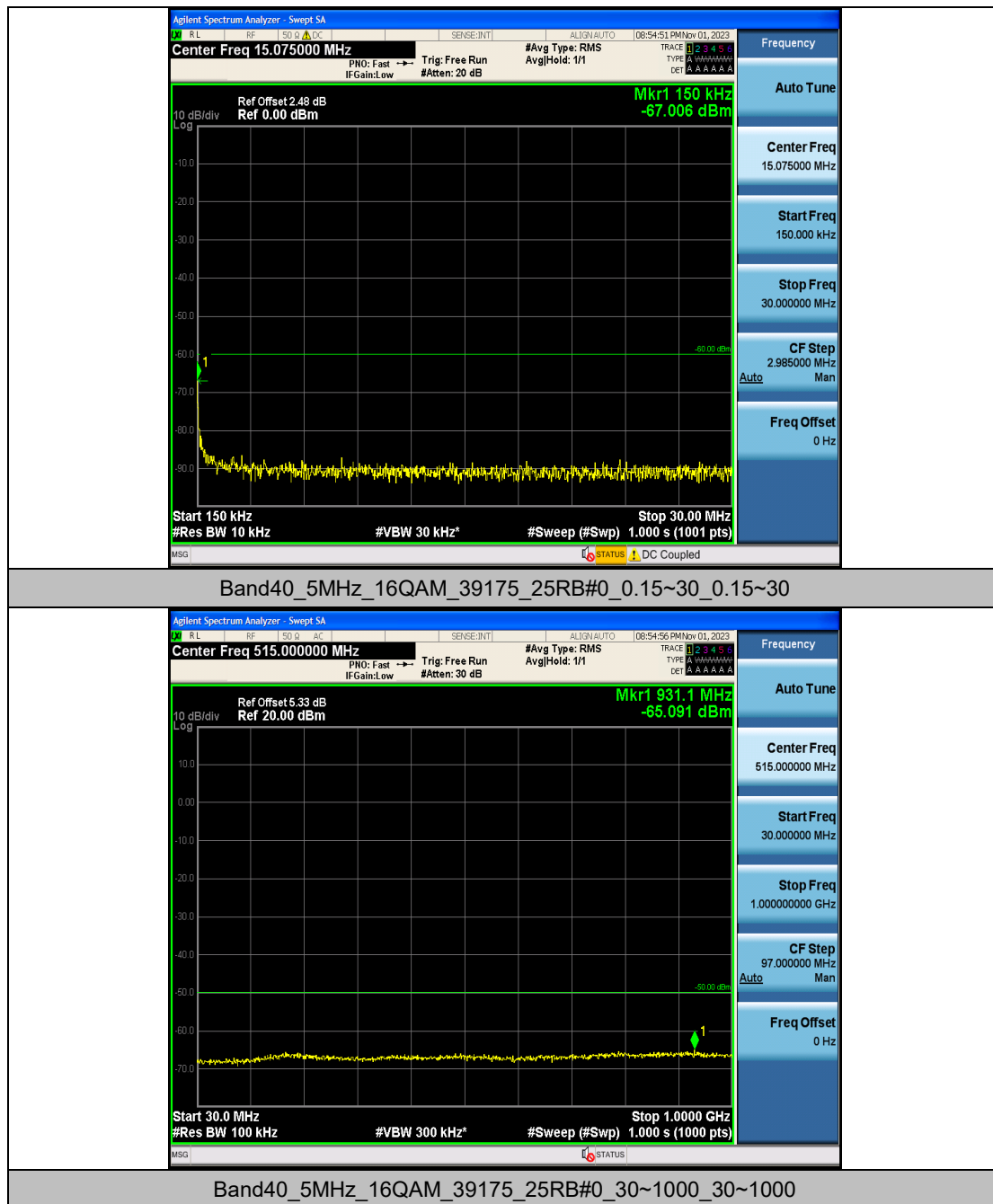
40(2350-2360)	10MHz	16QAM	39200	50RB#0	0.15~30	-70.45	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	30~1000	-65.30	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	1000~3000	-51.07	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	3000~26500	-61.25	PASS

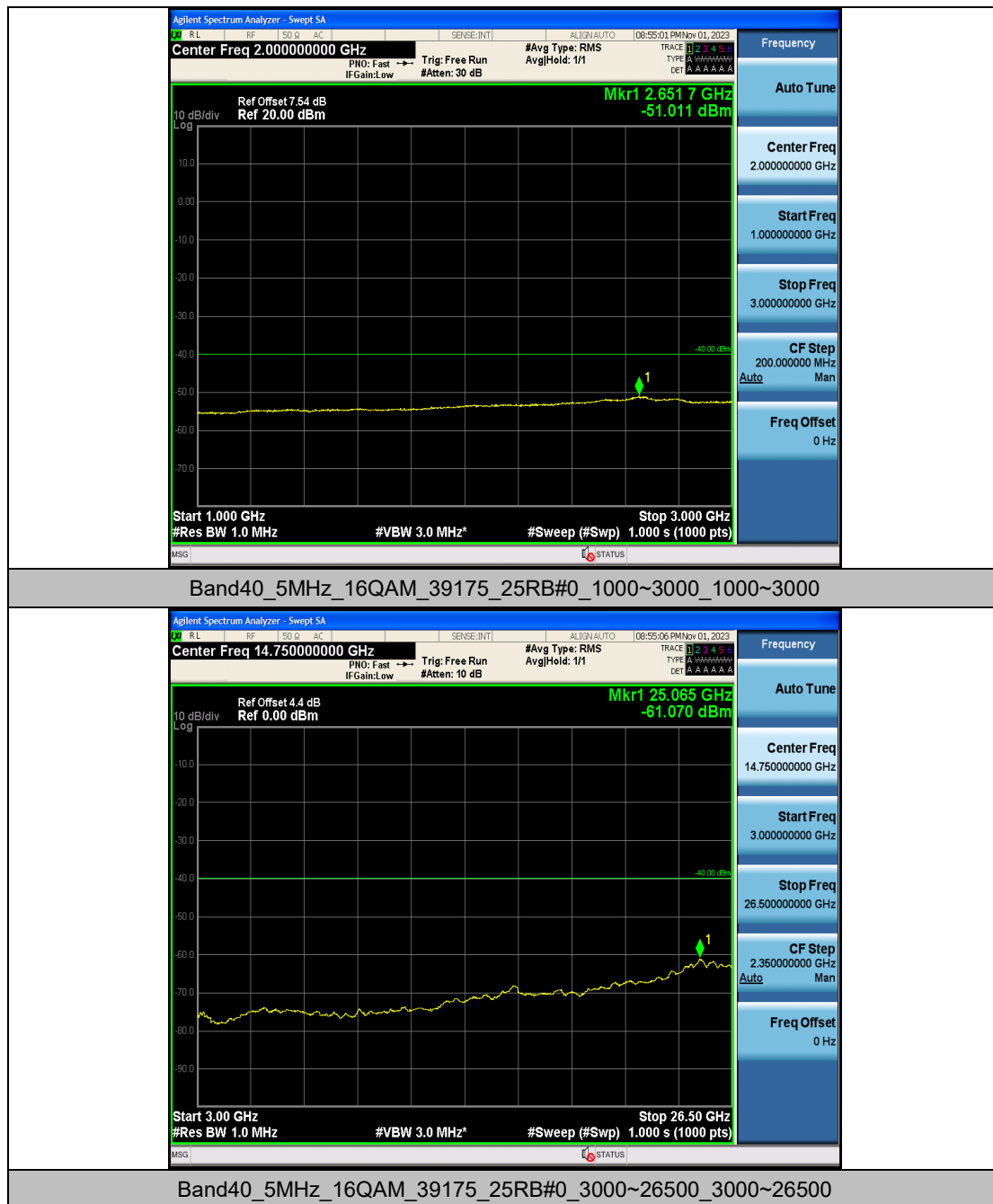
Test Graphs

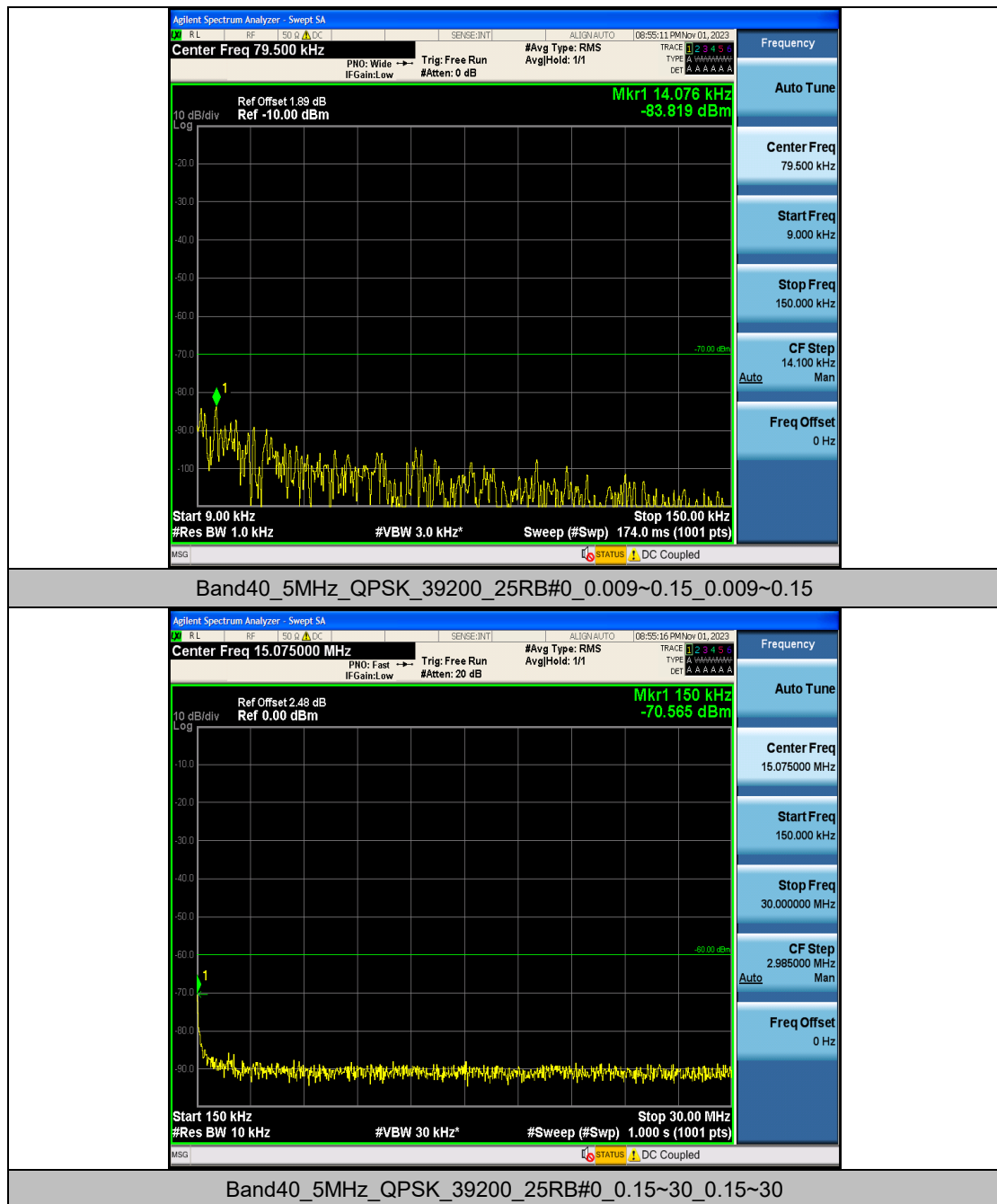


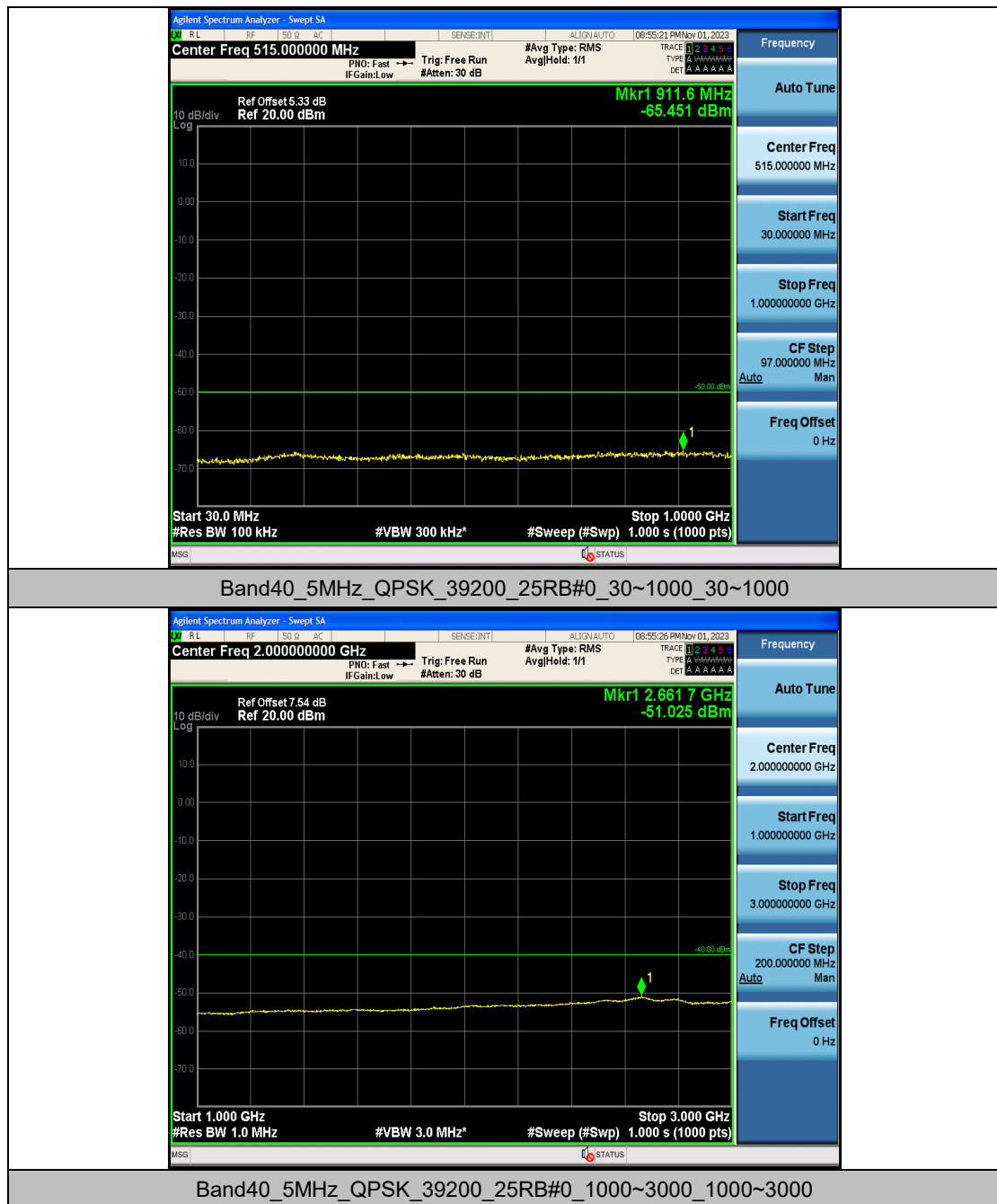


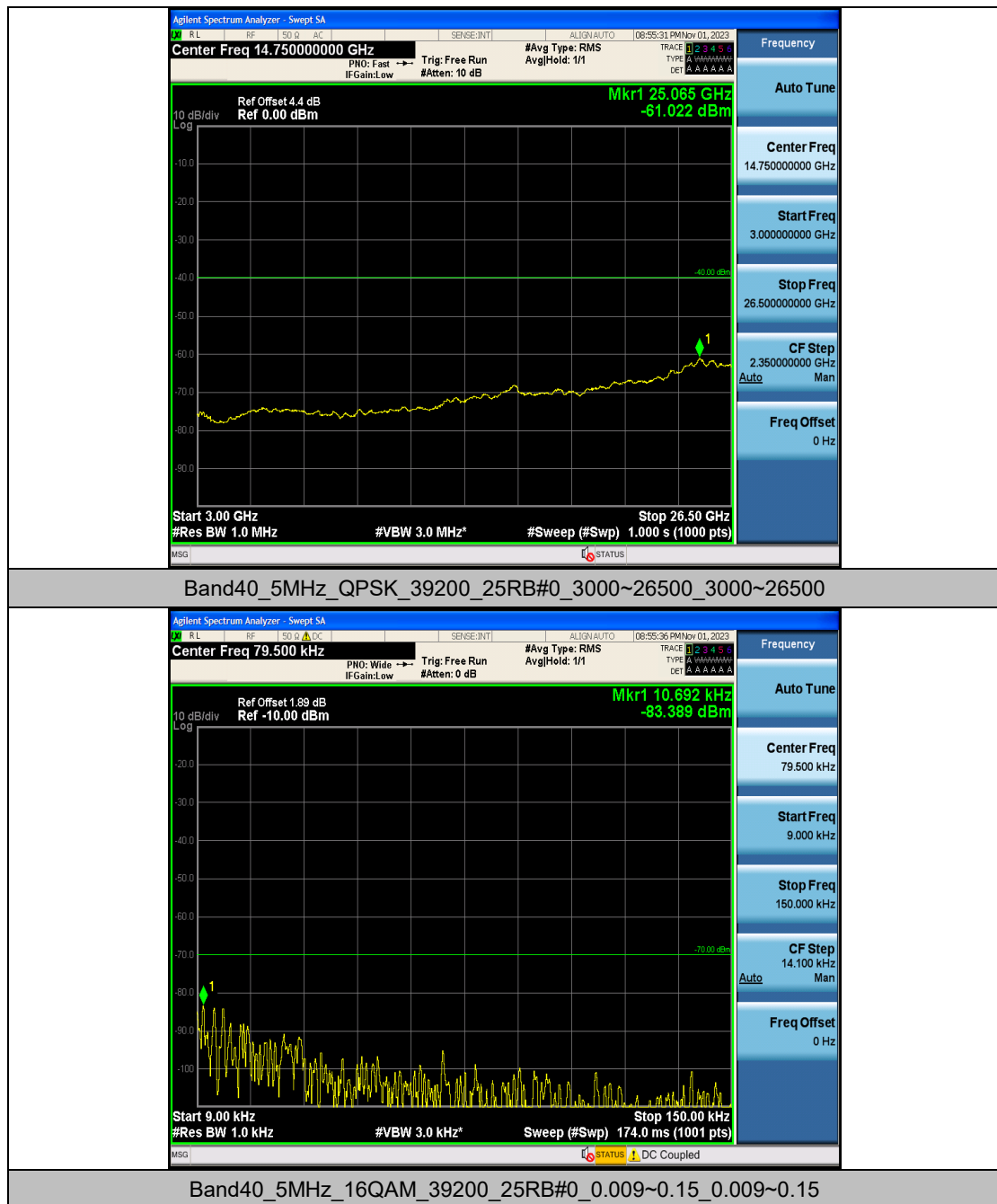


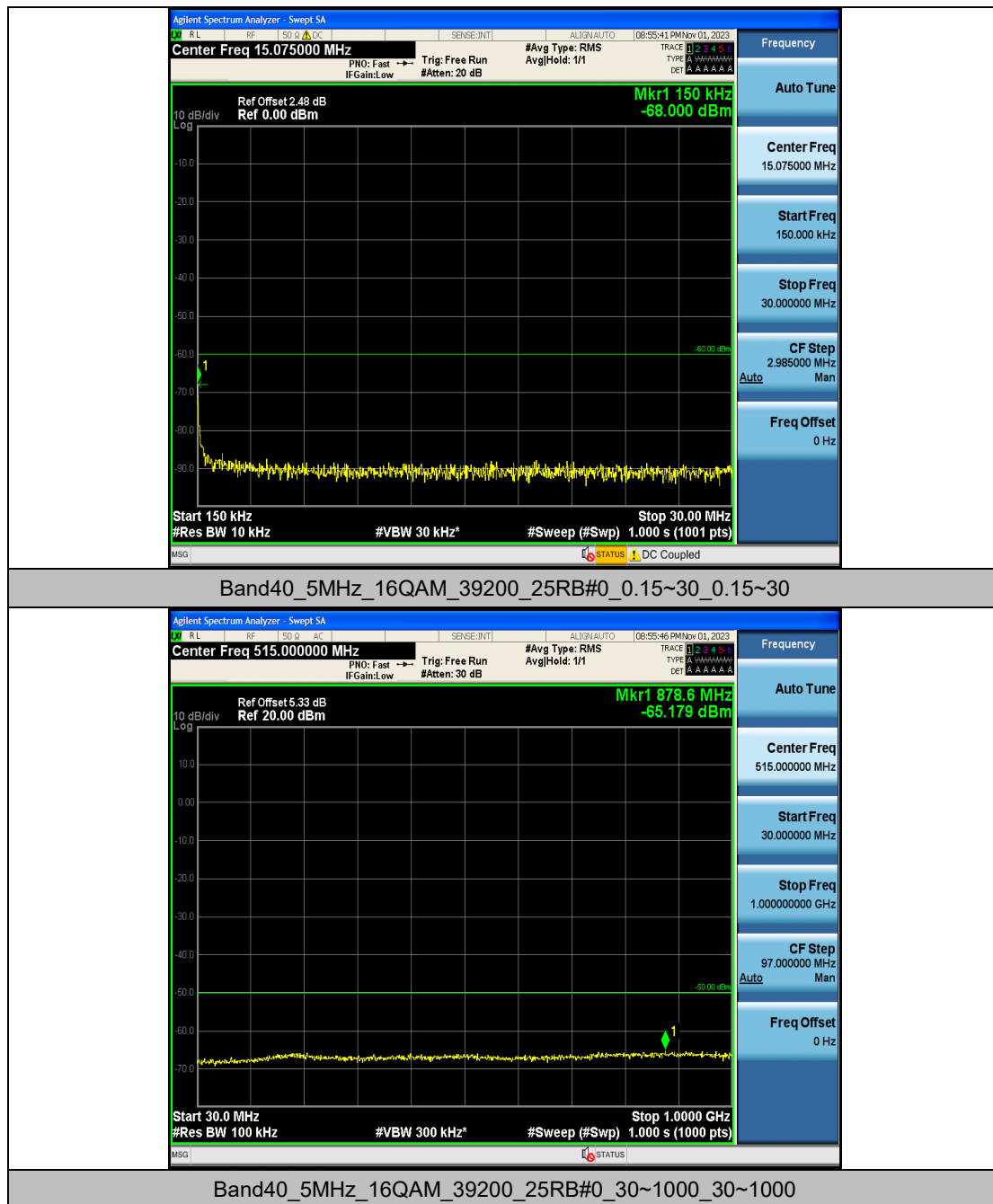


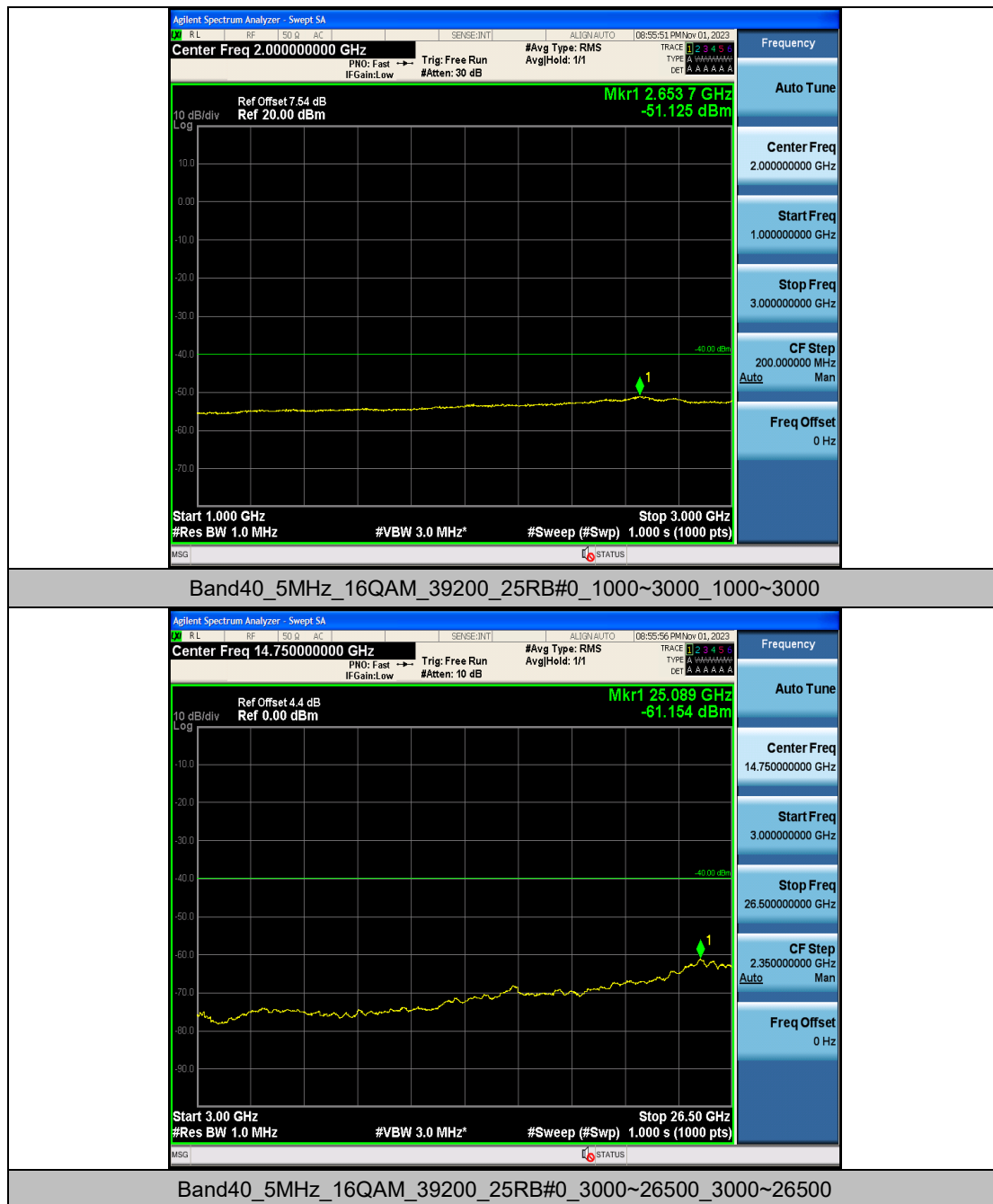


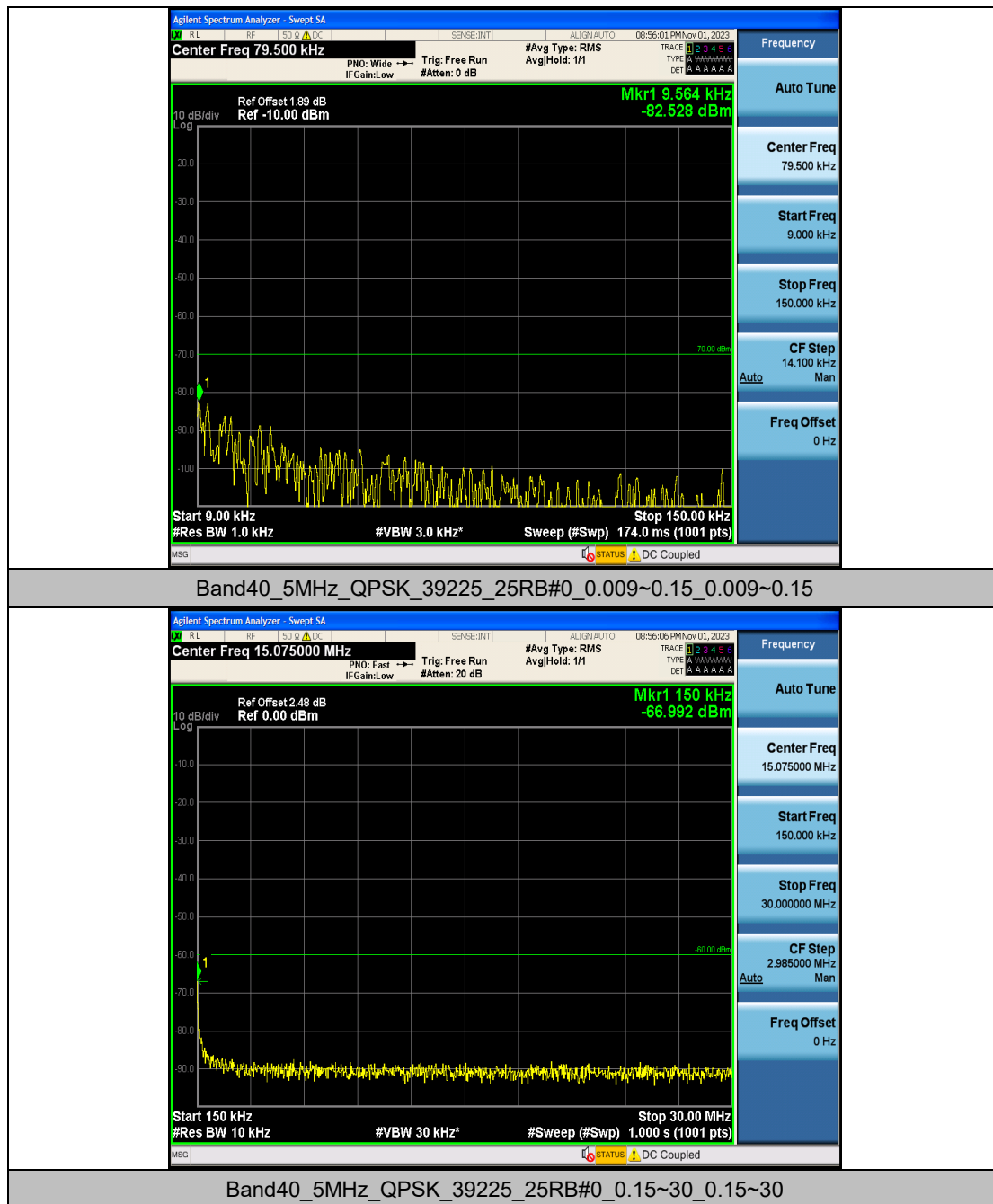


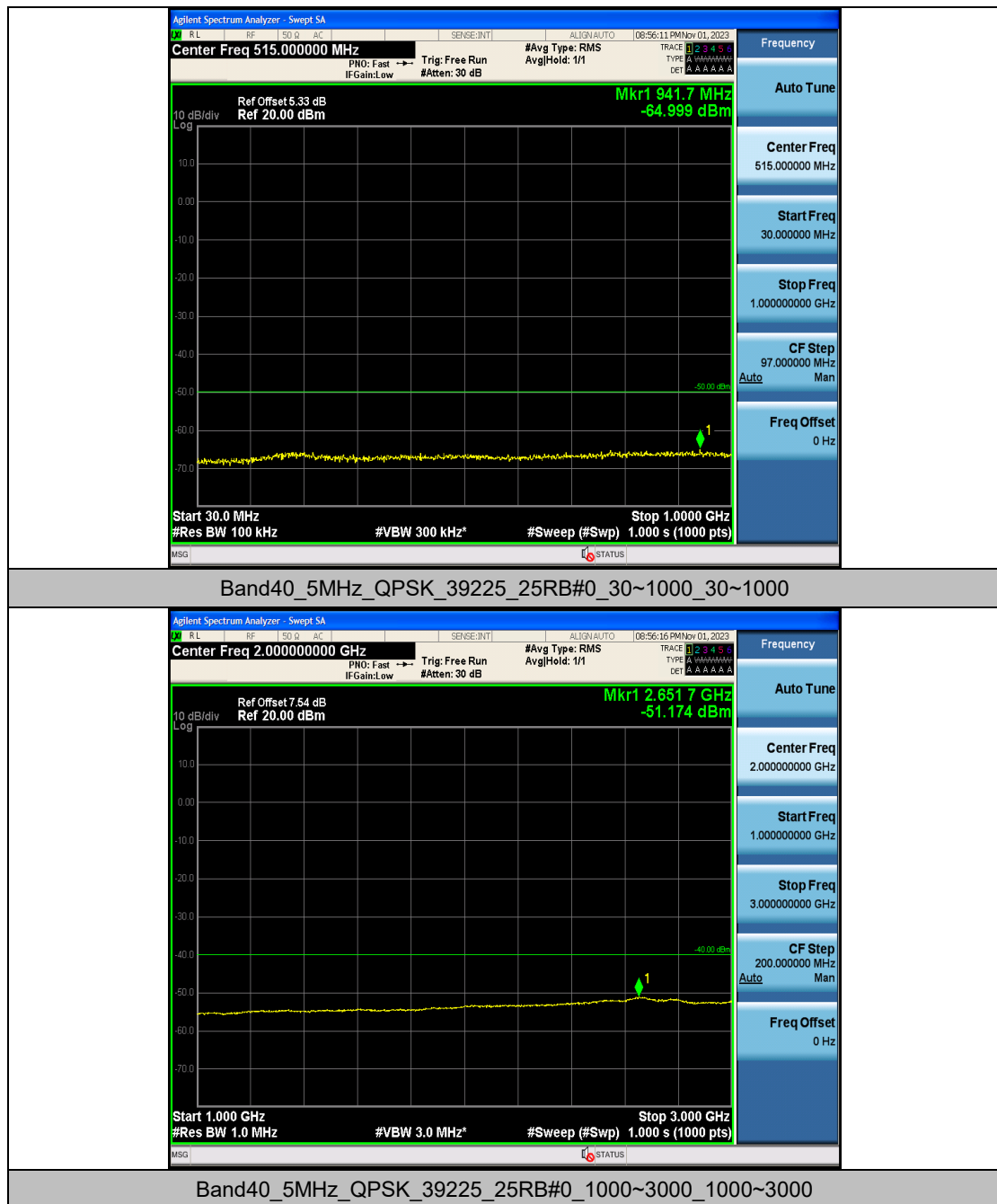


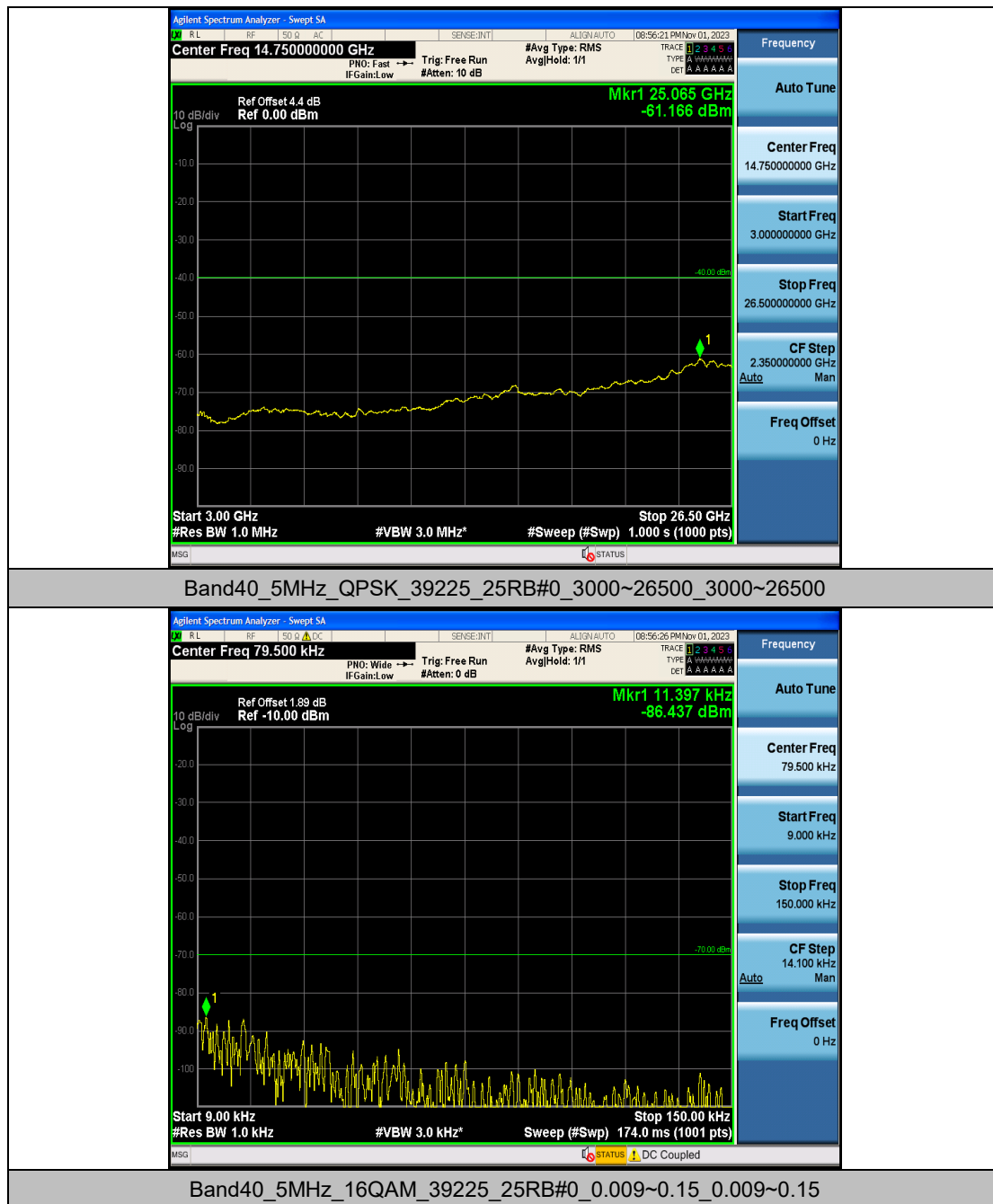


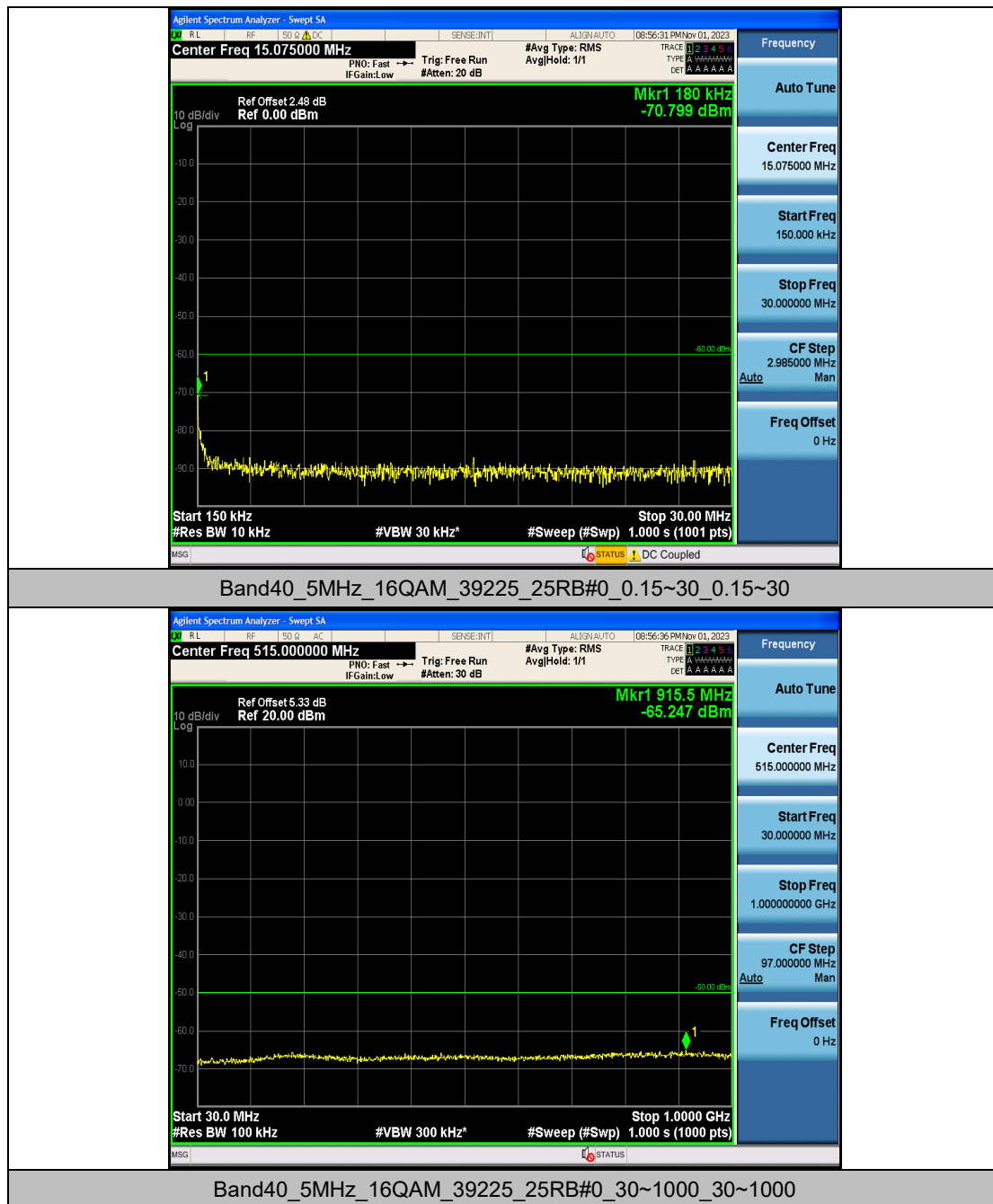


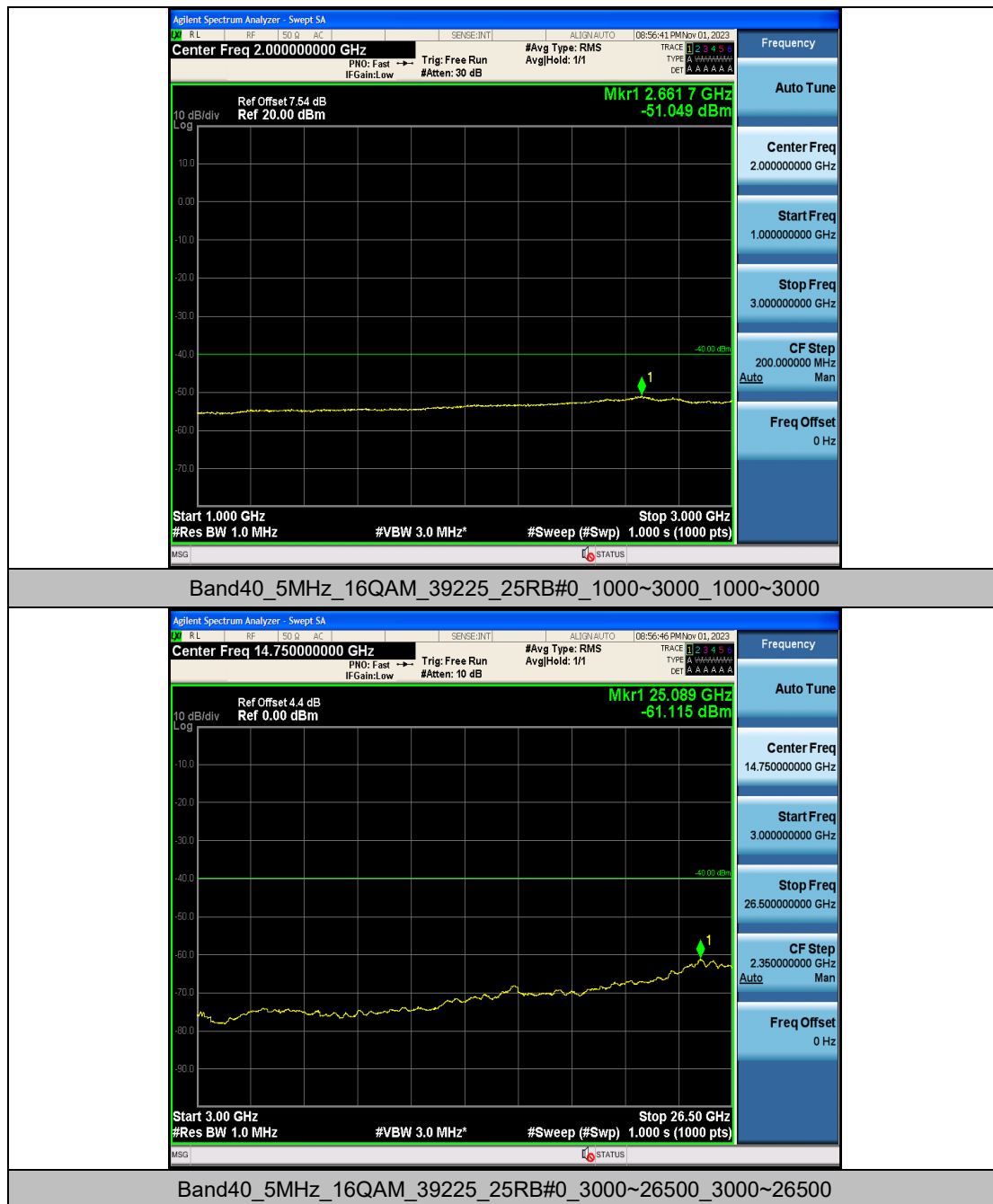


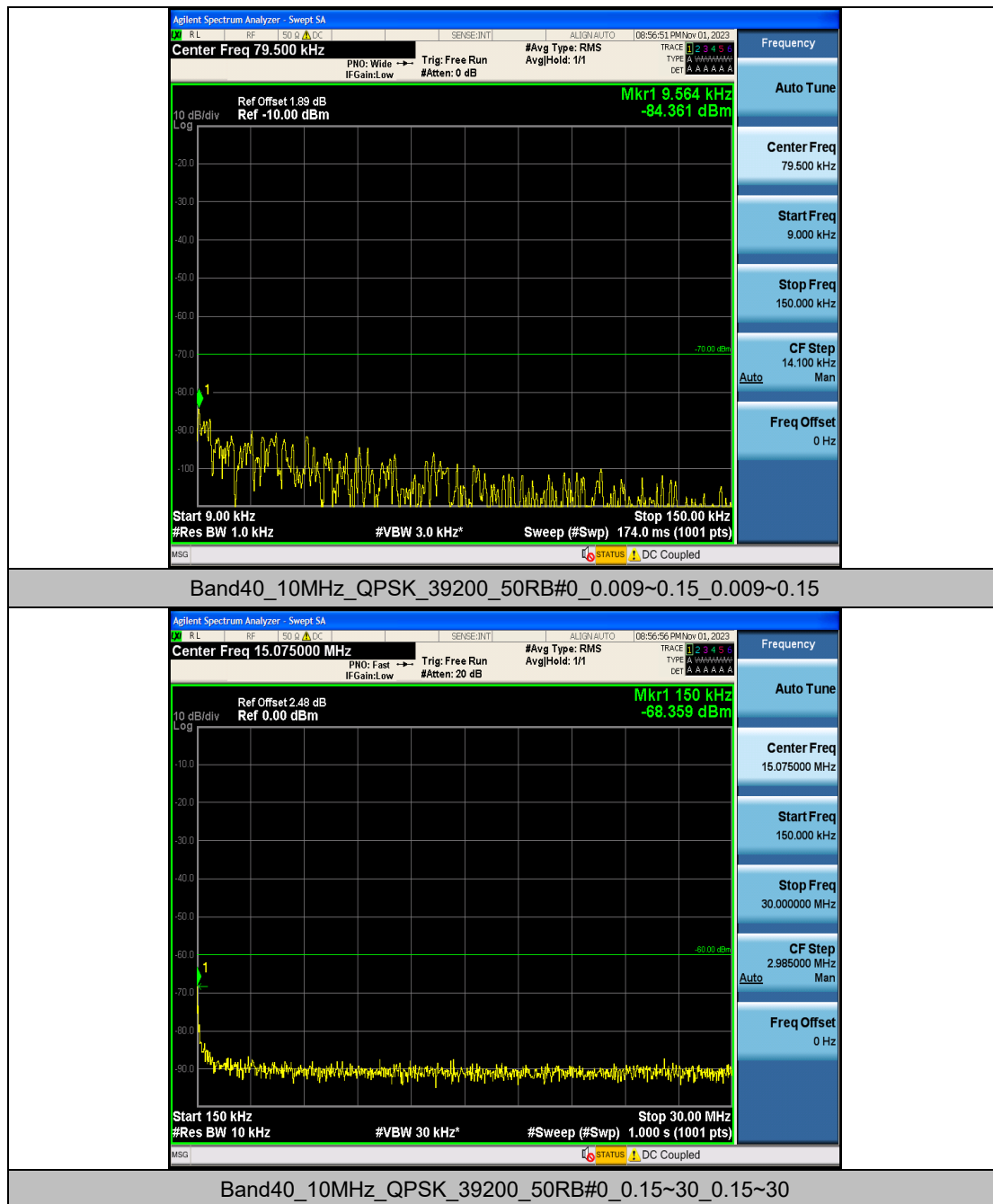


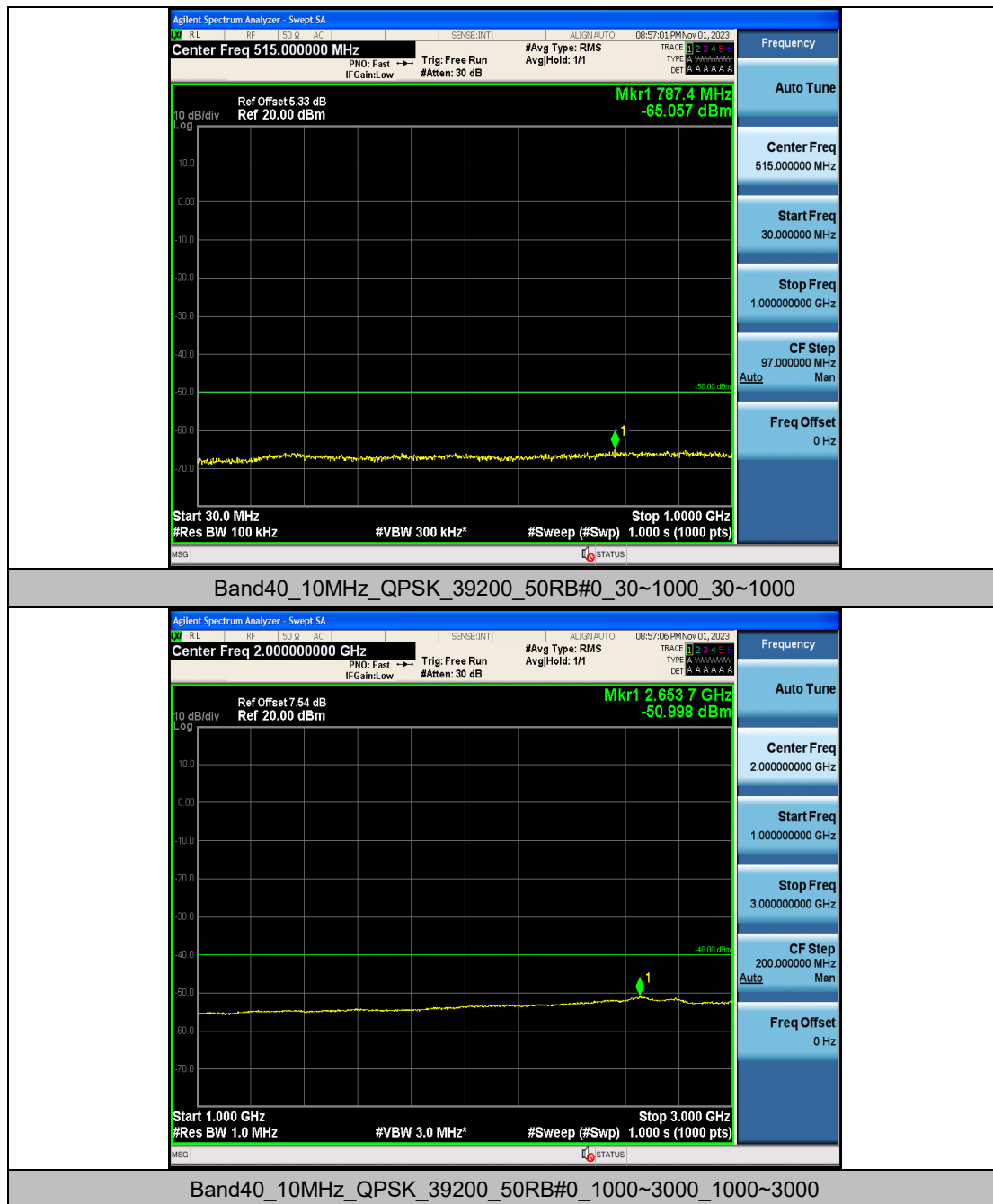


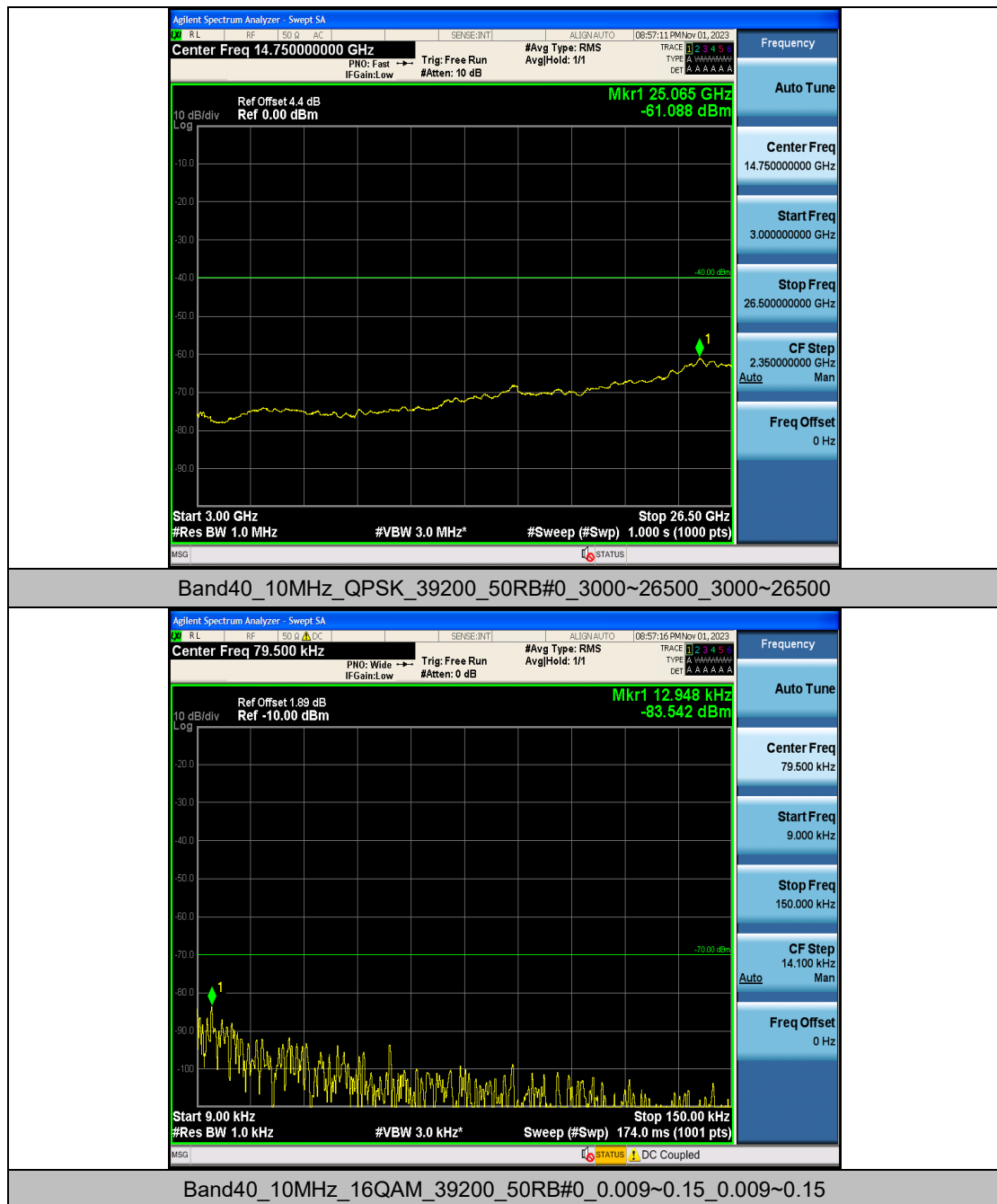


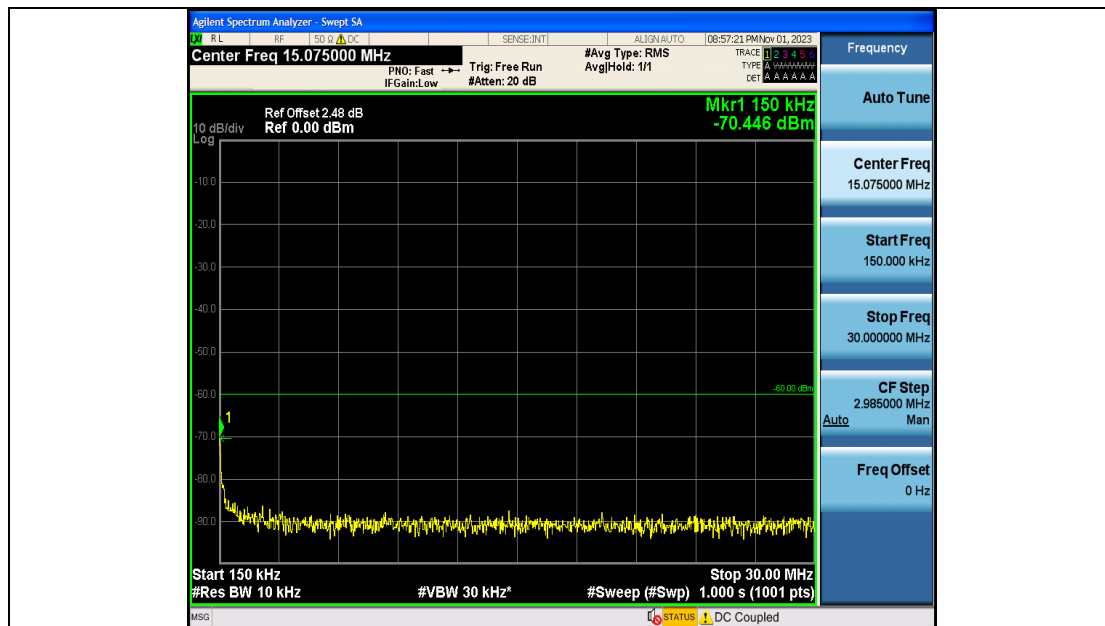












Band40_10MHz_16QAM_39200_50RB#0_0.15~30_0.15~30



Band40_10MHz_16QAM_39200_50RB#0_30~1000_30~1000



Band40_10MHz_16QAM_39200_50RB#0_1000~3000_1000~3000



Band40_10MHz_16QAM_39200_50RB#0_3000~26500_3000~26500

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(2350-2360)	5MHz	QPSK	39175	25RB#0	VN	NT	-10.37	-0.004408	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	VL	NT	12.93	0.005496	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	VH	NT	7.25	0.003082	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	VN	NT	7.08	0.003010	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	VL	NT	4.55	0.001934	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	VH	NT	-6.65	-0.002827	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	VN	NT	-9.68	-0.004110	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	VL	NT	-10.33	-0.004386	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	VH	NT	-8.51	-0.003614	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	VN	NT	-12.35	-0.005244	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	VL	NT	-7.11	-0.003019	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	VH	NT	-11.57	-0.004913	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	VN	NT	-8.43	-0.003576	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	VL	NT	-6.72	-0.002850	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	VH	NT	6.41	0.002719	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	VN	NT	-6.12	-0.002596	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	VL	NT	-6.77	-0.002872	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	VH	NT	-7.94	-0.003368	±2.5	PASS

40(2350-2360)	10MHz	QPSK	39200	50RB#0	VN	NT	-11.27	-0.004786	±2.5	PAS S
40(2350-2360)	10MHz	QPSK	39200	50RB#0	VL	NT	-8.27	-0.003512	±2.5	PAS S
40(2350-2360)	10MHz	QPSK	39200	50RB#0	VH	NT	-12.02	-0.005104	±2.5	PAS S
40(2350-2360)	10MHz	16QAM	39200	50RB#0	VN	NT	-5.51	-0.002340	±2.5	PAS S
40(2350-2360)	10MHz	16QAM	39200	50RB#0	VL	NT	-12.23	-0.005193	±2.5	PAS S
40(2350-2360)	10MHz	16QAM	39200	50RB#0	VH	NT	-7.68	-0.003261	±2.5	PAS S

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
40(2350-2360)	5MHz	QPSK	39175	25RB#0	NV	-30	7.12	0.003027	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39175	25RB#0	NV	-20	6.75	0.002869	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39175	25RB#0	NV	-10	-6.29	-0.002674	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39175	25RB#0	NV	0	3.76	0.001598	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39175	25RB#0	NV	10	5.99	0.002546	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39175	25RB#0	NV	20	7.31	0.003107	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39175	25RB#0	NV	30	8.90	0.003783	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39175	25RB#0	NV	40	6.67	0.002835	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39175	25RB#0	NV	50	-3.12	-0.001326	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	-30	4.08	0.001734	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	-20	-6.04	-0.002567	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	-10	7.37	0.003133	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	0	-8.43	-0.003583	±2.5	PAS S

40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	10	5.94	0.002525	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	20	4.19	0.001781	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	30	-5.78	-0.002457	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	40	-5.02	-0.002134	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	50	6.09	0.002589	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	-30	-13.12	-0.005571	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	-20	-8.37	-0.003554	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	-10	-11.13	-0.004726	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	0	-13.83	-0.005873	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	10	-11.59	-0.004921	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	20	-11.37	-0.004828	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	30	-11.97	-0.005083	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	40	-6.78	-0.002879	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	50	-8.15	-0.003461	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39200	25RB#0	NV	-30	-9.40	-0.003992	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39200	25RB#0	NV	-20	-8.58	-0.003643	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39200	25RB#0	NV	-10	-10.30	-0.004374	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39200	25RB#0	NV	0	-15.91	-0.006756	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39200	25RB#0	NV	10	-10.63	-0.004514	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39200	25RB#0	NV	20	-7.57	-0.003214	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39200	25RB#0	NV	30	-9.80	-0.004161	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39200	25RB#0	NV	40	-11.64	-0.004943	±2.5	PAS

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40(2350-2360)	5MHz	16QAM	39200	25RB#0	NV	50	-11.50	-0.004883	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39225	25RB#0	NV	-30	-5.35	-0.002269	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39225	25RB#0	NV	-20	-5.39	-0.002286	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39225	25RB#0	NV	-10	5.54	0.002350	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39225	25RB#0	NV	0	-8.65	-0.003669	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39225	25RB#0	NV	10	-8.30	-0.003521	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39225	25RB#0	NV	20	4.46	0.001892	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39225	25RB#0	NV	30	7.93	0.003364	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39225	25RB#0	NV	40	-4.45	-0.001888	±2.5	PAS S
40(2350-2360)	5MHz	QPSK	39225	25RB#0	NV	50	-6.81	-0.002889	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39225	25RB#0	NV	-30	-6.12	-0.002596	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39225	25RB#0	NV	-20	-5.87	-0.002490	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39225	25RB#0	NV	-10	9.68	0.004106	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39225	25RB#0	NV	0	-5.88	-0.002494	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39225	25RB#0	NV	10	5.38	0.002282	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39225	25RB#0	NV	20	5.75	0.002439	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39225	25RB#0	NV	30	-6.21	-0.002634	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39225	25RB#0	NV	40	-6.27	-0.002660	±2.5	PAS S
40(2350-2360)	5MHz	16QAM	39225	25RB#0	NV	50	-5.78	-0.002452	±2.5	PAS S
40(2350-2360)	10MHz	QPSK	39200	50RB#0	NV	-30	-9.70	-0.004119	±2.5	PAS S
40(2350-2360)	10MHz	QPSK	39200	50RB#0	NV	-20	-11.84	-0.005028	±2.5	PAS S

40(2350-2360)	10MHz	QPSK	39200	50RB#0	NV	-10	-5.66	-0.002403	±2.5	PAS S
40(2350-2360)	10MHz	QPSK	39200	50RB#0	NV	0	-10.89	-0.004624	±2.5	PAS S
40(2350-2360)	10MHz	QPSK	39200	50RB#0	NV	10	-8.63	-0.003665	±2.5	PAS S
40(2350-2360)	10MHz	QPSK	39200	50RB#0	NV	20	-11.60	-0.004926	±2.5	PAS S
40(2350-2360)	10MHz	QPSK	39200	50RB#0	NV	30	-9.57	-0.004064	±2.5	PAS S
40(2350-2360)	10MHz	QPSK	39200	50RB#0	NV	40	-7.93	-0.003367	±2.5	PAS S
40(2350-2360)	10MHz	QPSK	39200	50RB#0	NV	50	-8.68	-0.003686	±2.5	PAS S
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-30	-9.86	-0.004187	±2.5	PAS S
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-20	-13.99	-0.005941	±2.5	PAS S
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-10	-15.01	-0.006374	±2.5	PAS S
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	0	-14.36	-0.006098	±2.5	PAS S
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	10	-10.36	-0.004399	±2.5	PAS S
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	20	-9.18	-0.003898	±2.5	PAS S
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	30	-10.67	-0.004531	±2.5	PAS S
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	40	-10.39	-0.004412	±2.5	PAS S
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	50	-10.64	-0.004518	±2.5	PAS S