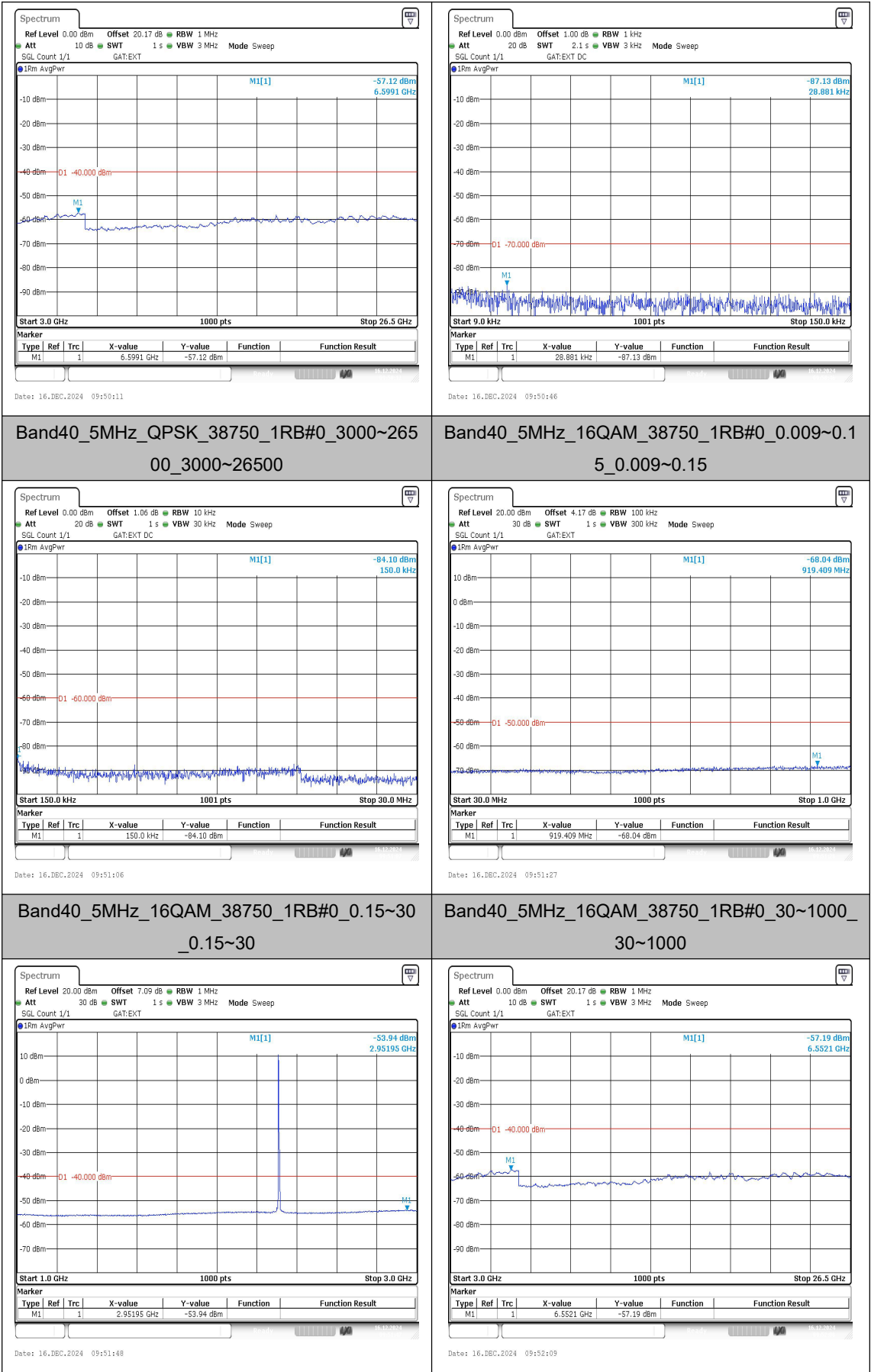
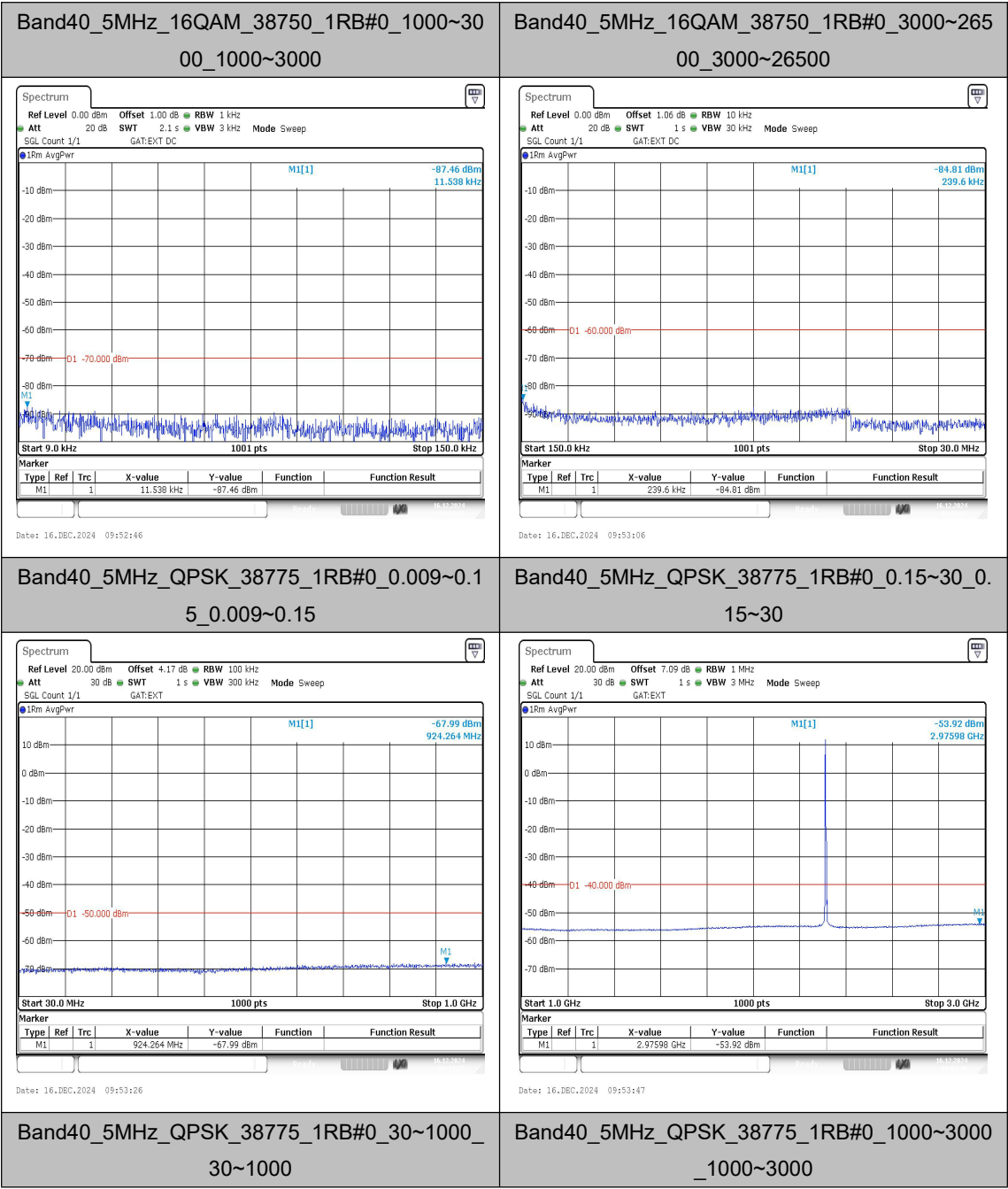
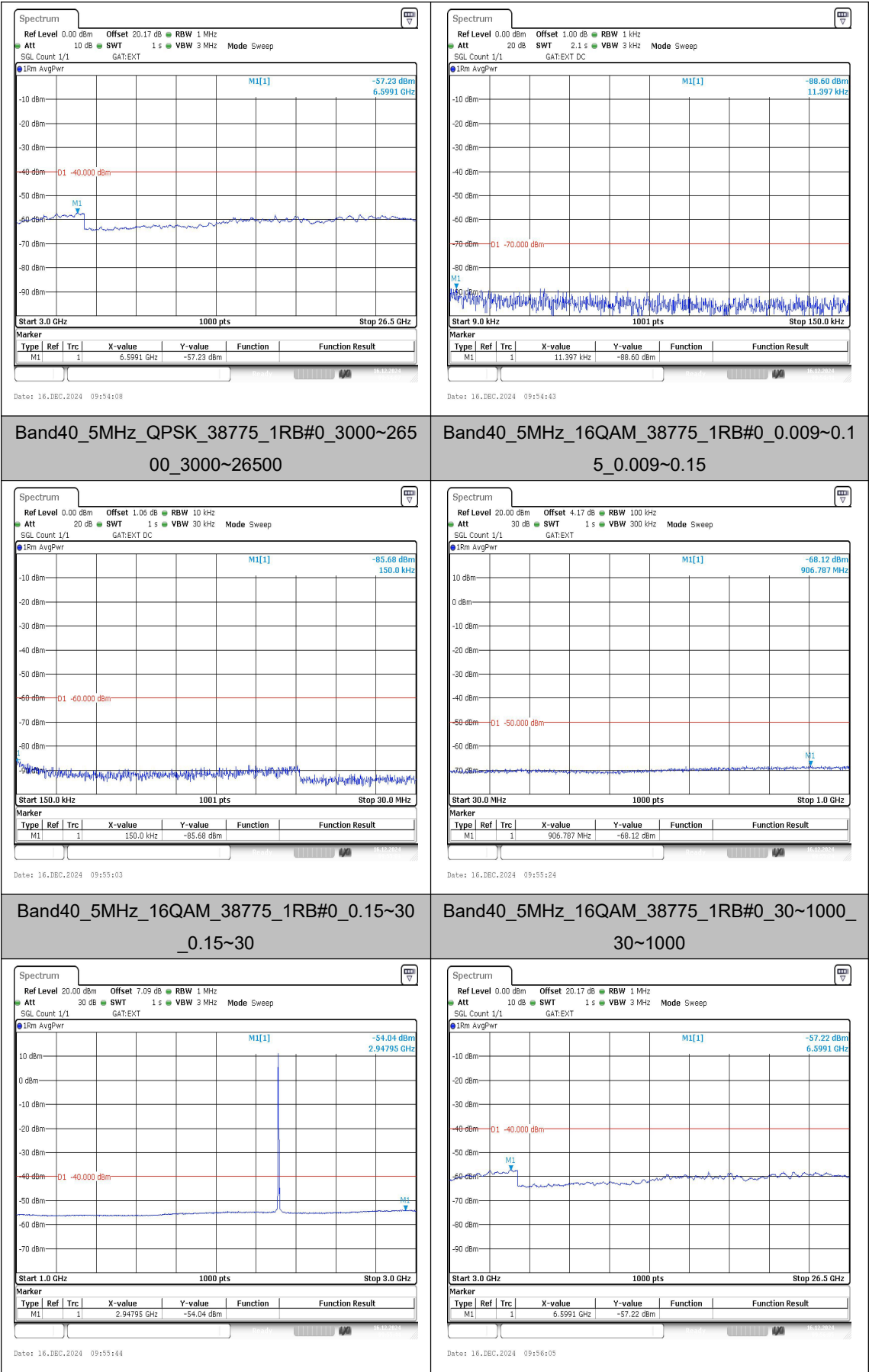
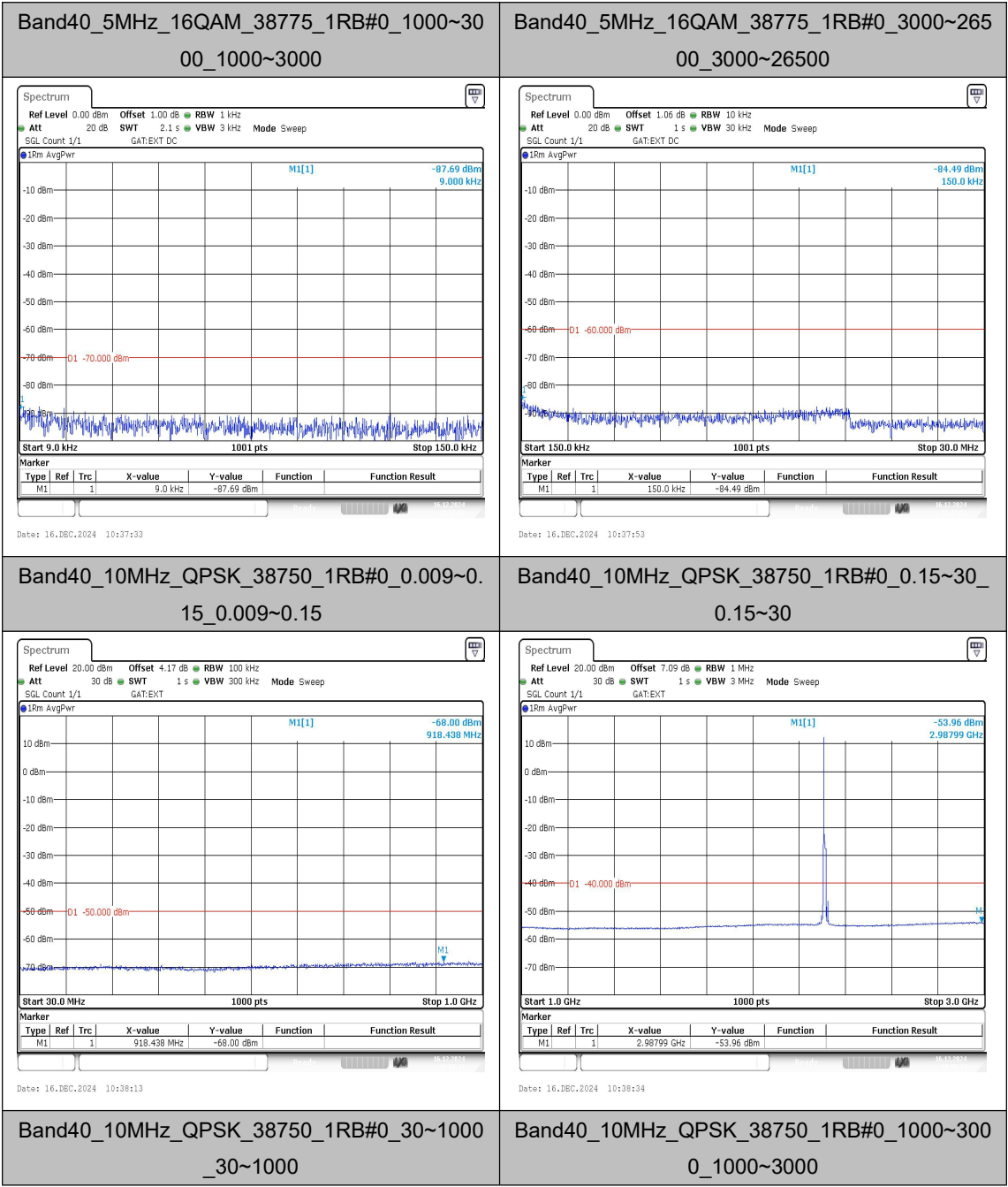
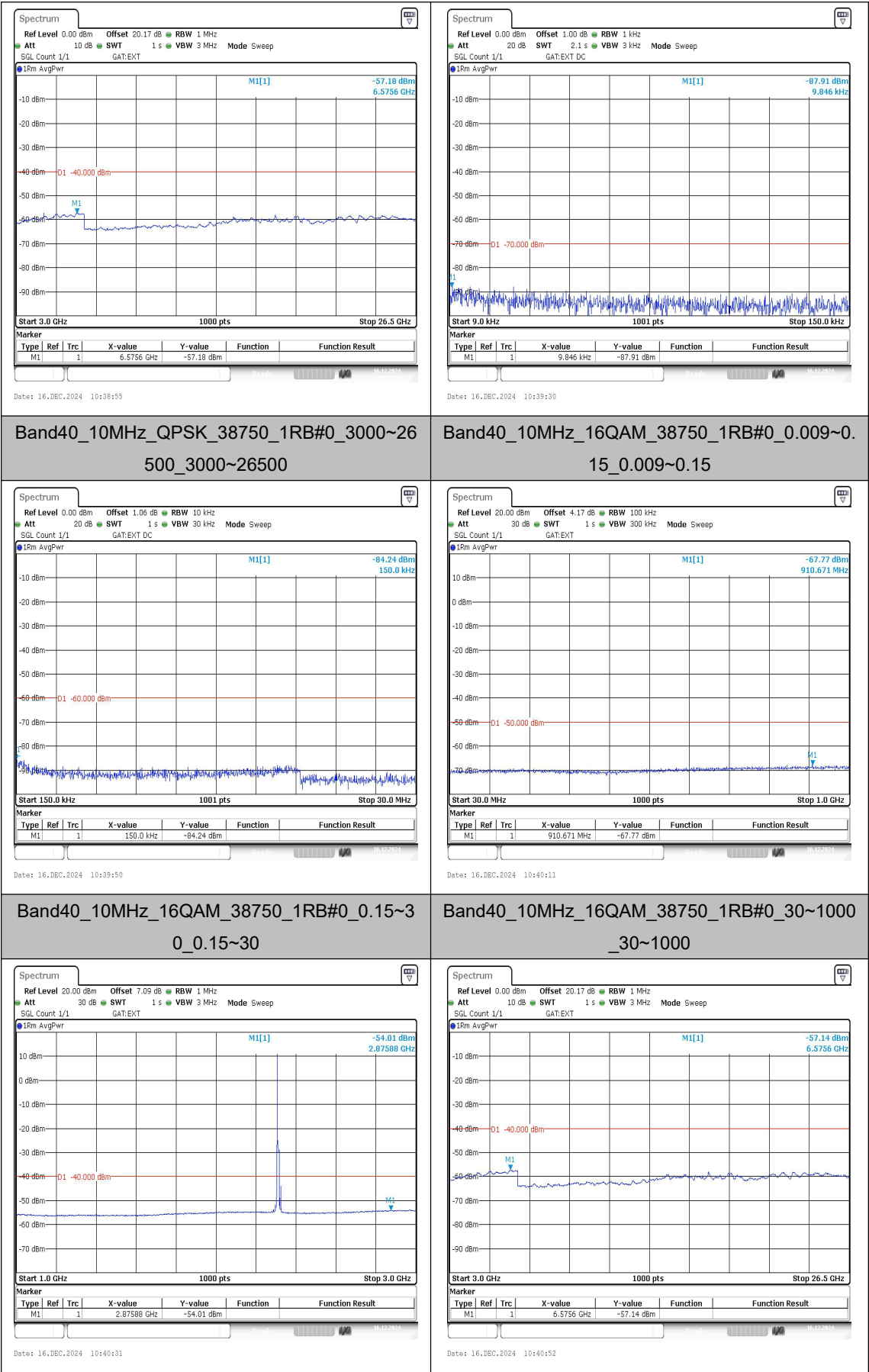












Band40_10MHz_16QAM_38750_1RB#0_1000~3000_1000~3000	Band40_10MHz_16QAM_38750_1RB#0_3000~26500_500_3000~26500
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Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
40(2305-2315)	5MHz	QPSK	38725	25RB#0	VN	NT	30.36	0.013157	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	VL	NT	37.28	0.016156	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	VH	NT	20.84	0.009031	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	VN	NT	-16.98	-0.007359	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	VL	NT	28.72	0.012446	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	VH	NT	29.34	0.012715	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	VN	NT	19.53	0.008455	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	VL	NT	38.29	0.016576	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	VH	NT	53.00	0.022944	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	VN	NT	15.35	0.006645	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	VL	NT	29.48	0.012762	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	VH	NT	19.03	0.008238	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	VN	NT	17.65	0.007632	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	VL	NT	12.32	0.005328	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	VH	NT	-24.39	-0.010547	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	VN	NT	-26.69	-0.011542	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	VL	NT	17.38	0.007516	±2.5	PASS

40(2305-2315)	5MHz	16QAM	38775	25RB#0	VH	NT	50.44	0.021812	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	VN	NT	10.40	0.004502	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	VL	NT	34.89	0.015104	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	VH	NT	11.17	0.004835	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	VN	NT	22.66	0.009810	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	VL	NT	25.42	0.011004	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	VH	NT	32.69	0.014152	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configuration	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-30	40.53	0.017564	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-20	57.76	0.025031	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-10	60.63	0.026275	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	0	-5.74	-0.002488	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	10	29.71	0.012875	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	20	22.26	0.009647	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	30	-18.60	-0.008061	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	40	-39.12	-0.016953	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	50	38.15	0.016533	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	-30	50.93	0.022072	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	-20	-34.26	-0.014847	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	-10	-26.25	-0.011376	±2.5	PASS

-2315)										
40(2305 -2315)	5MHz	16QAM	38725	25RB#0	NV	0	-13.69	-0.005933	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38725	25RB#0	NV	10	32.92	0.014267	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38725	25RB#0	NV	20	30.14	0.013062	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38725	25RB#0	NV	30	22.03	0.009547	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38725	25RB#0	NV	40	18.73	0.008117	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38725	25RB#0	NV	50	39.44	0.017092	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	-30	6.35	0.002749	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	-20	-28.47	-0.012325	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	-10	-15.54	-0.006727	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	0	19.05	0.008247	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	10	40.45	0.017511	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	20	29.58	0.012805	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	30	29.55	0.012792	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	40	-10.09	-0.004368	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38750	25RB#0	NV	50	12.53	0.005424	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38750	25RB#0	NV	-30	17.31	0.007494	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38750	25RB#0	NV	-20	27.38	0.011853	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38750	25RB#0	NV	-10	49.65	0.021494	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38750	25RB#0	NV	0	-7.44	-0.003221	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38750	25RB#0	NV	10	-17.94	-0.007766	±2.5	PASS

40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	20	-41.24	-0.017853	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	30	-18.73	-0.008108	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	40	20.11	0.008706	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	50	35.10	0.015195	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	-30	-27.28	-0.011797	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	-20	-45.88	-0.019840	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	-10	-43.93	-0.018997	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	0	-37.51	-0.016221	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	10	-25.72	-0.011122	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	20	-44.03	-0.019040	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	30	-28.10	-0.012151	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	40	-30.61	-0.013237	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	NV	50	-13.22	-0.005717	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-30	21.72	0.009392	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-20	40.01	0.017302	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-10	49.88	0.021570	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	NV	0	23.80	0.010292	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	NV	10	-28.62	-0.012376	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	NV	20	-33.14	-0.014331	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	NV	30	21.84	0.009444	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	NV	40	14.28	0.006175	±2.5	PASS

-2315)										
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	50	25.23	0.010910	±2.5	PASS
40(2305 -2315)	10MHz	QPSK	38750	50RB#0	NV	-30	32.30	0.013983	±2.5	PASS
40(2305 -2315)	10MHz	QPSK	38750	50RB#0	NV	-20	43.20	0.018701	±2.5	PASS
40(2305 -2315)	10MHz	QPSK	38750	50RB#0	NV	-10	10.20	0.004416	±2.5	PASS
40(2305 -2315)	10MHz	QPSK	38750	50RB#0	NV	0	13.56	0.005870	±2.5	PASS
40(2305 -2315)	10MHz	QPSK	38750	50RB#0	NV	10	-7.51	-0.003251	±2.5	PASS
40(2305 -2315)	10MHz	QPSK	38750	50RB#0	NV	20	-27.18	-0.011766	±2.5	PASS
40(2305 -2315)	10MHz	QPSK	38750	50RB#0	NV	30	-28.62	-0.012390	±2.5	PASS
40(2305 -2315)	10MHz	QPSK	38750	50RB#0	NV	40	-11.23	-0.004861	±2.5	PASS
40(2305 -2315)	10MHz	QPSK	38750	50RB#0	NV	50	11.13	0.004818	±2.5	PASS
40(2305 -2315)	10MHz	16QAM	38750	50RB#0	NV	-30	19.64	0.008502	±2.5	PASS
40(2305 -2315)	10MHz	16QAM	38750	50RB#0	NV	-20	10.37	0.004489	±2.5	PASS
40(2305 -2315)	10MHz	16QAM	38750	50RB#0	NV	-10	33.47	0.014489	±2.5	PASS
40(2305 -2315)	10MHz	16QAM	38750	50RB#0	NV	0	13.43	0.005814	±2.5	PASS
40(2305 -2315)	10MHz	16QAM	38750	50RB#0	NV	10	16.64	0.007203	±2.5	PASS
40(2305 -2315)	10MHz	16QAM	38750	50RB#0	NV	20	30.28	0.013108	±2.5	PASS
40(2305 -2315)	10MHz	16QAM	38750	50RB#0	NV	30	37.21	0.016108	±2.5	PASS
40(2305 -2315)	10MHz	16QAM	38750	50RB#0	NV	40	47.02	0.020355	±2.5	PASS
40(2305 -2315)	10MHz	16QAM	38750	50RB#0	NV	50	43.23	0.018714	±2.5	PASS