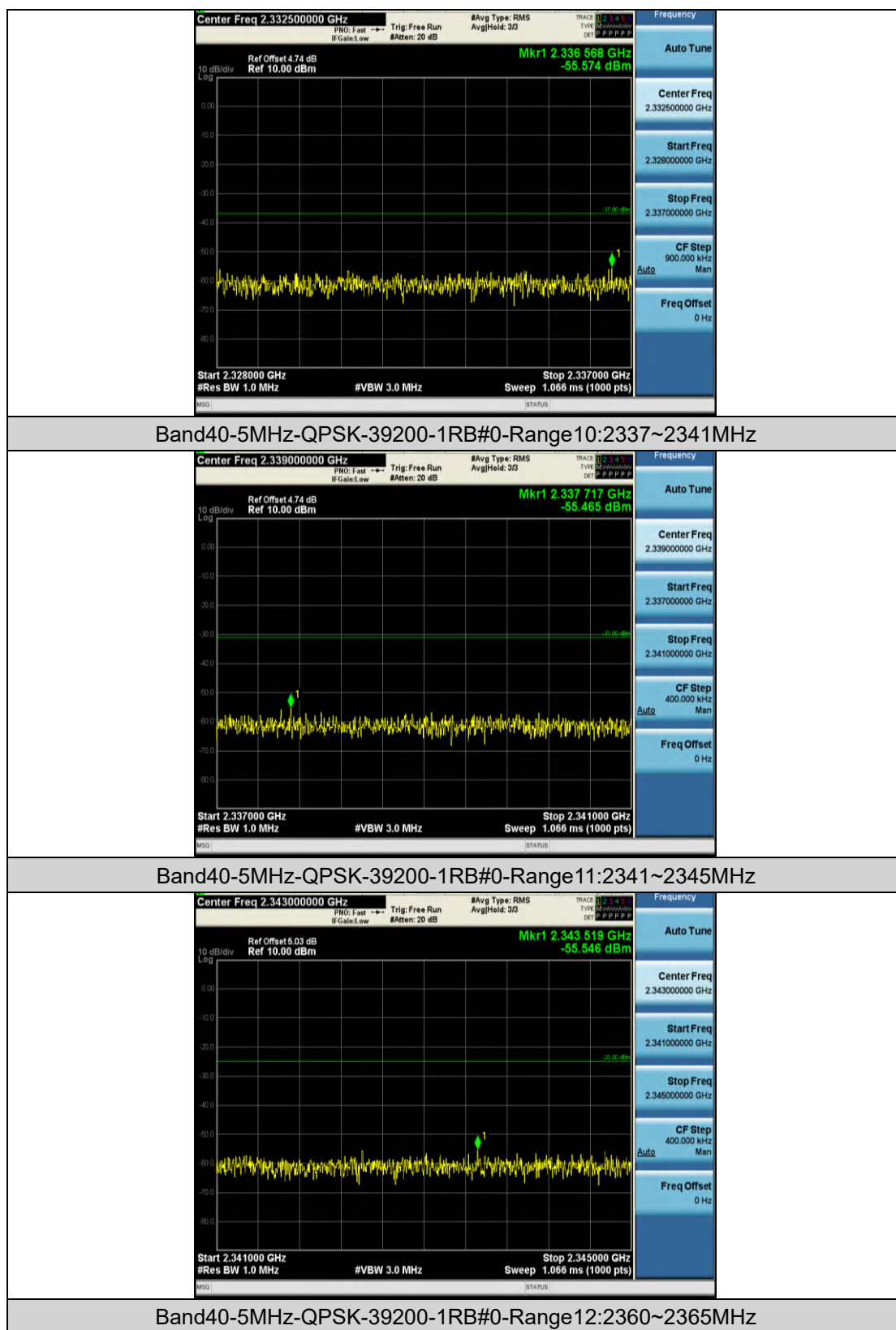
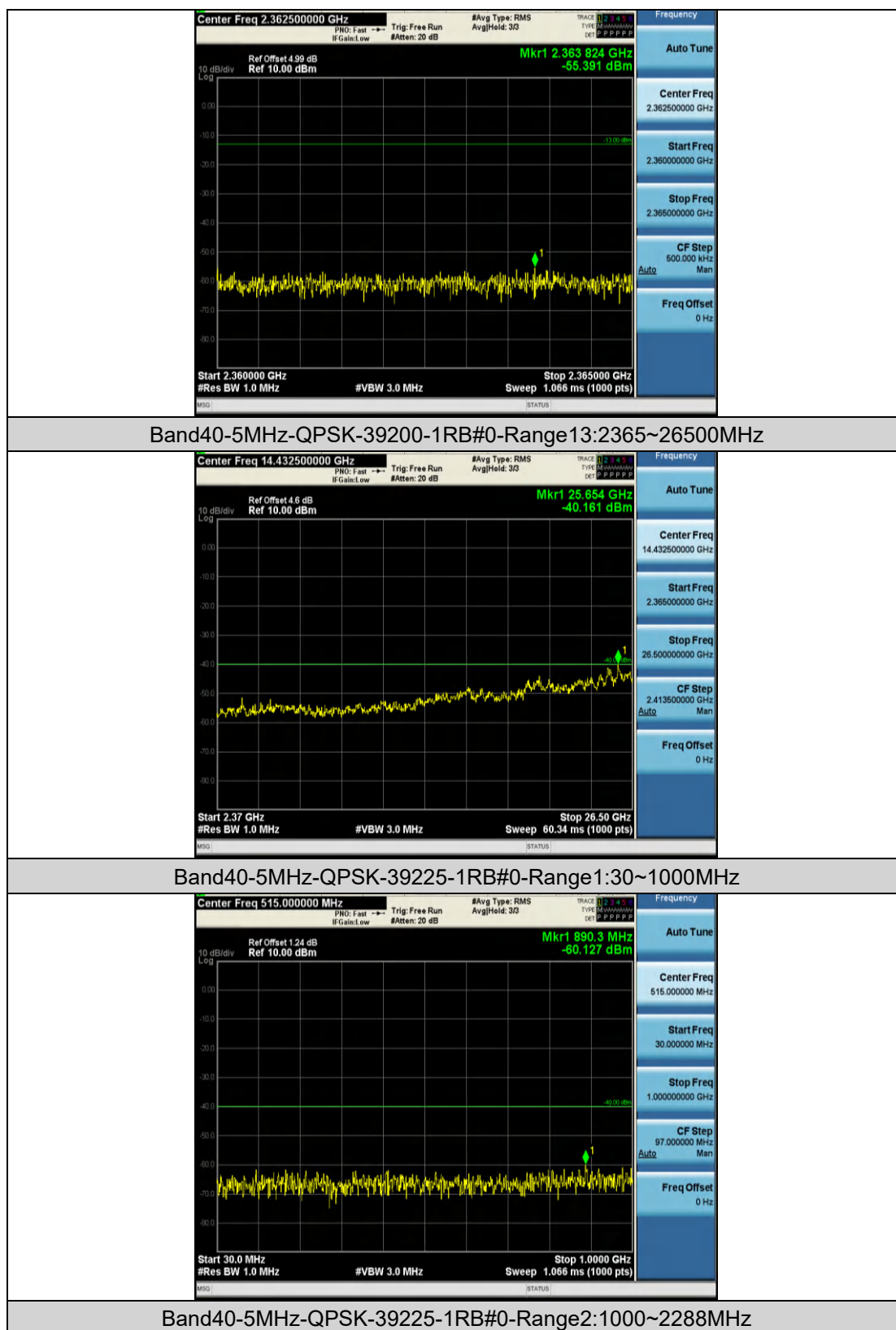
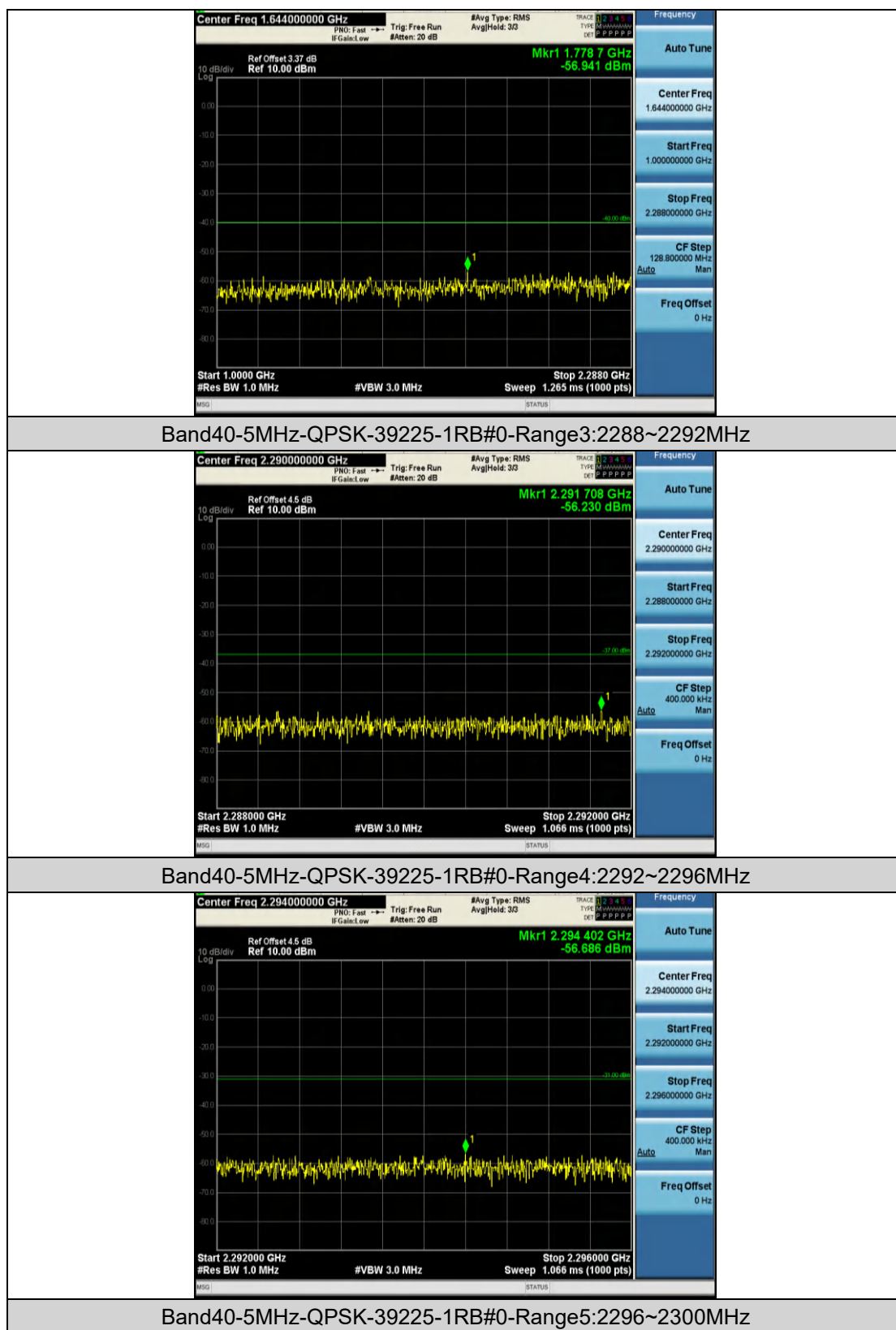
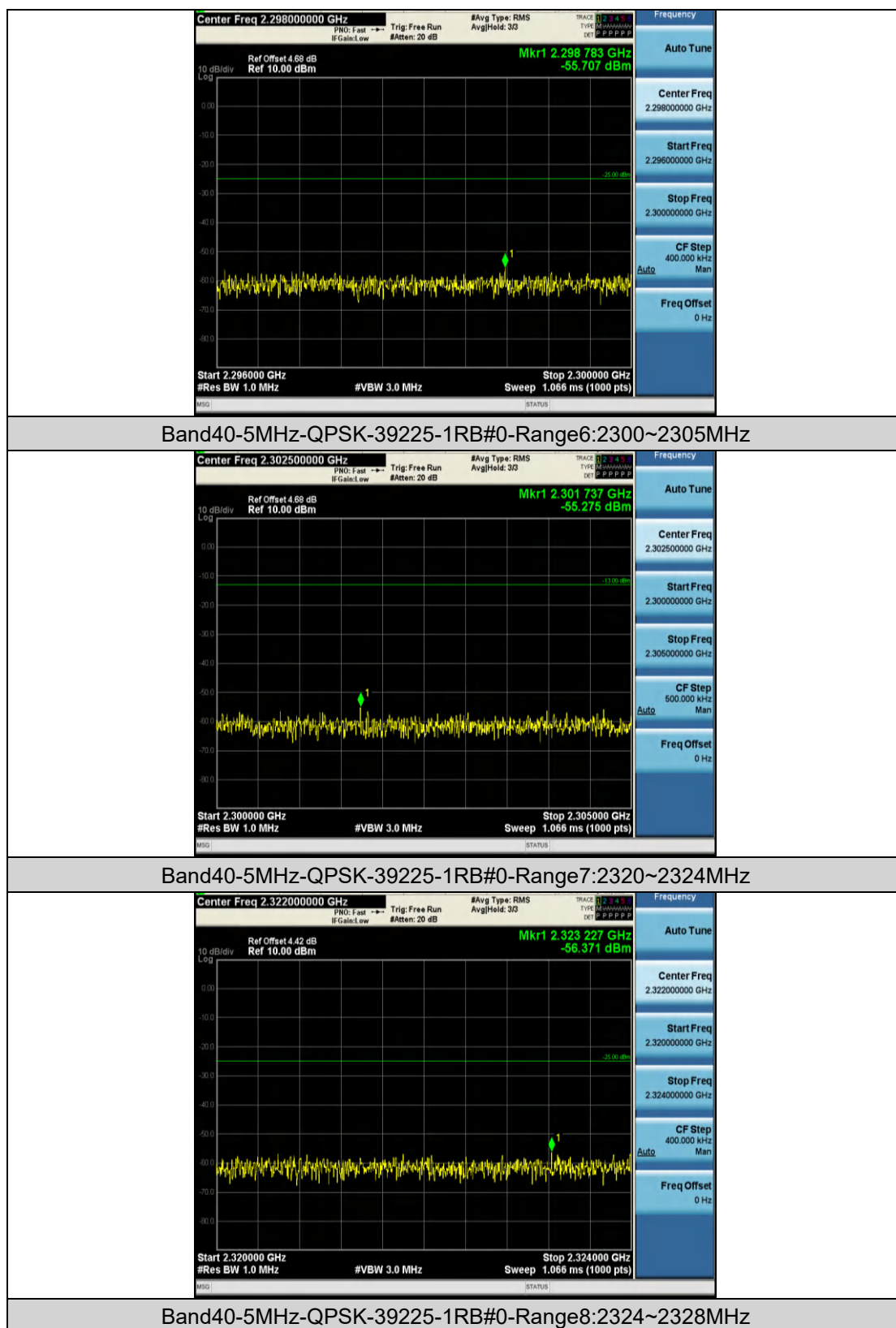
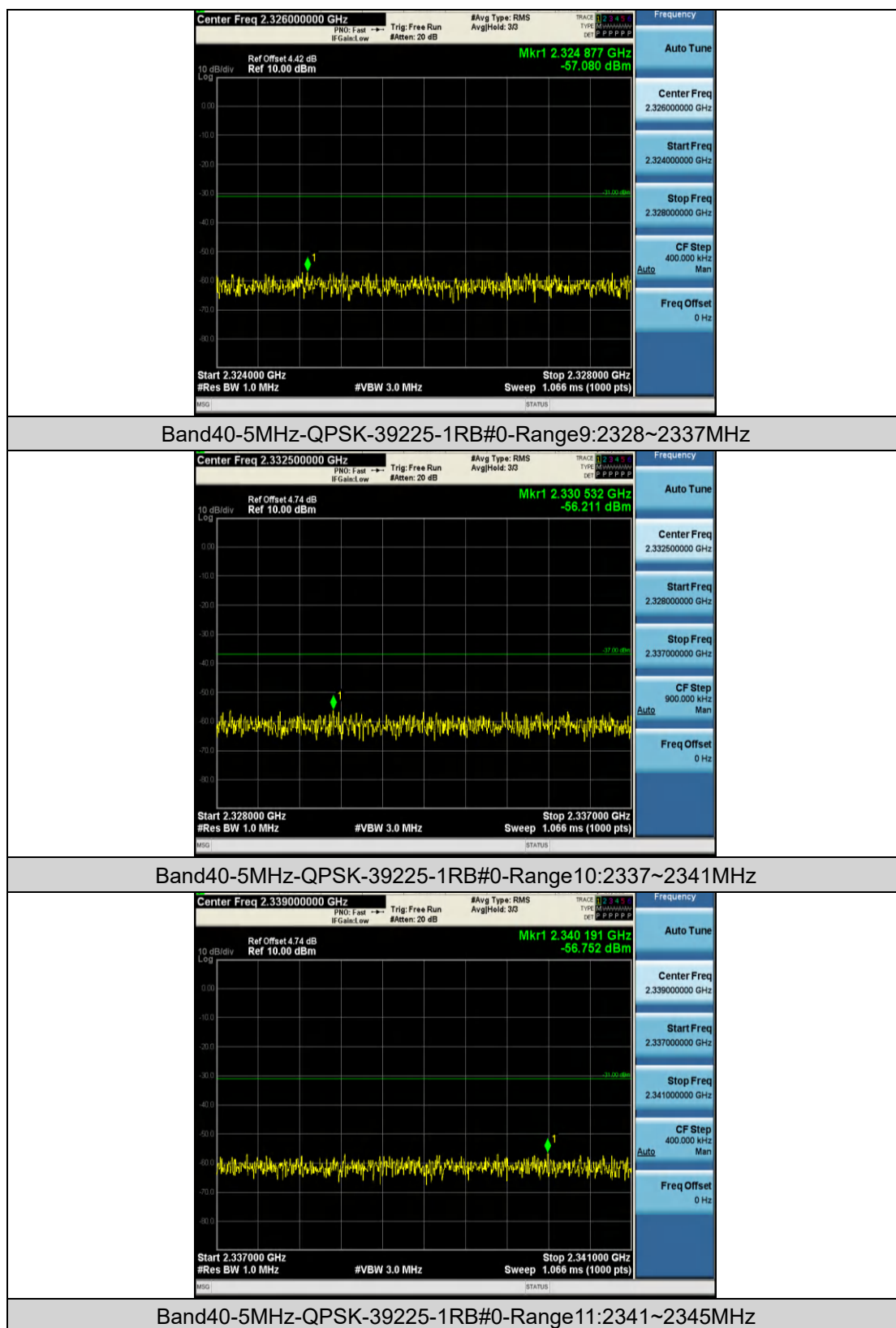


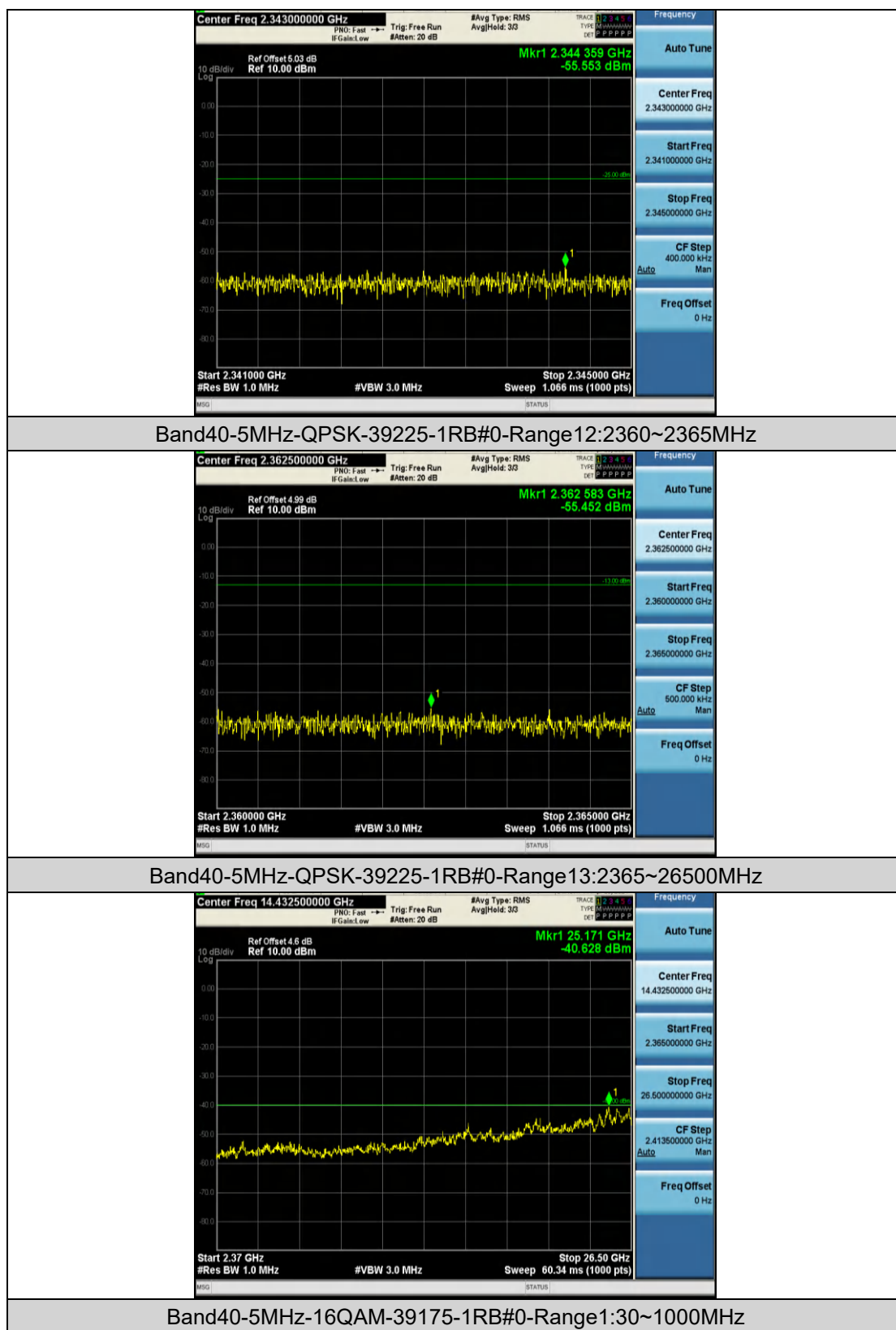


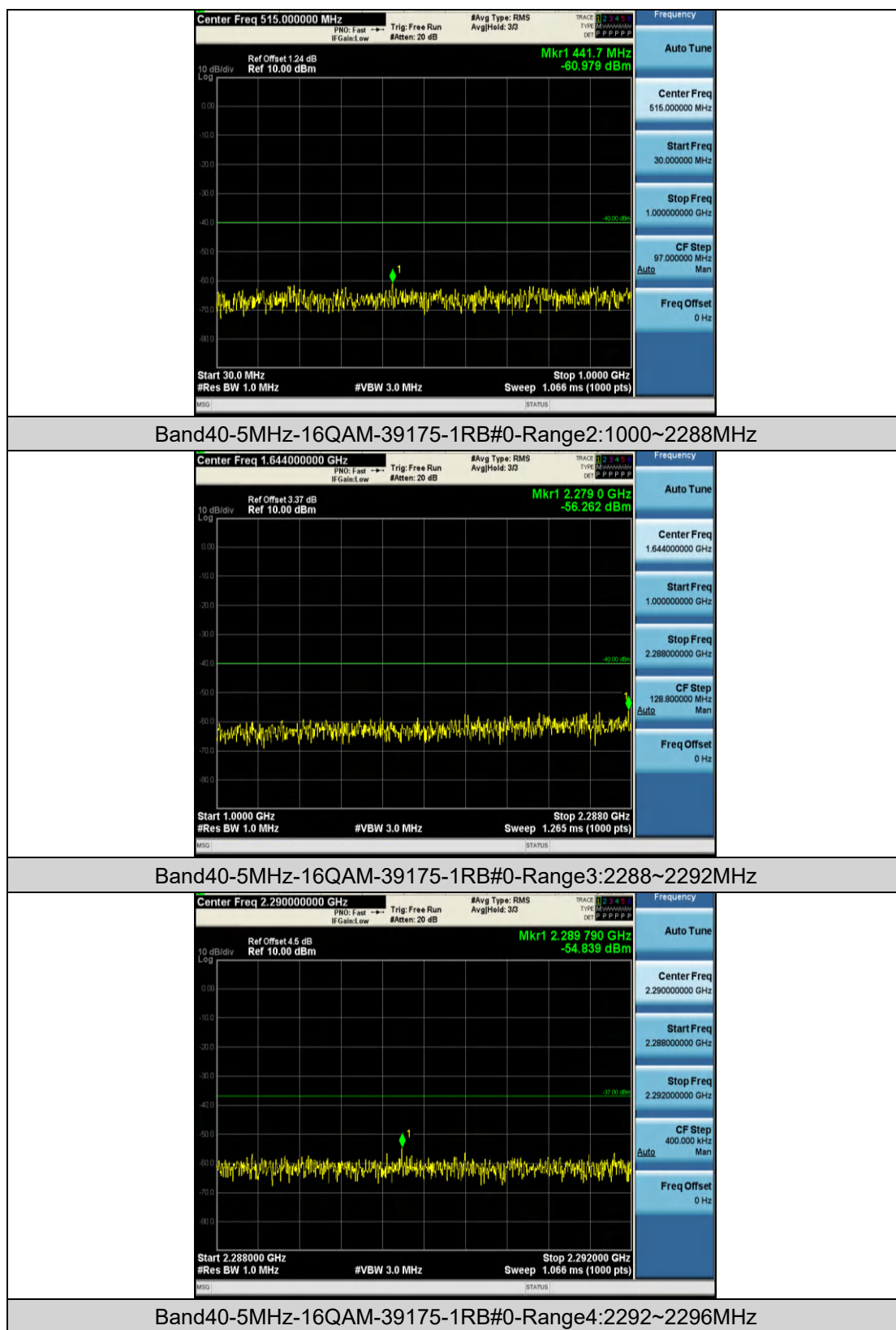


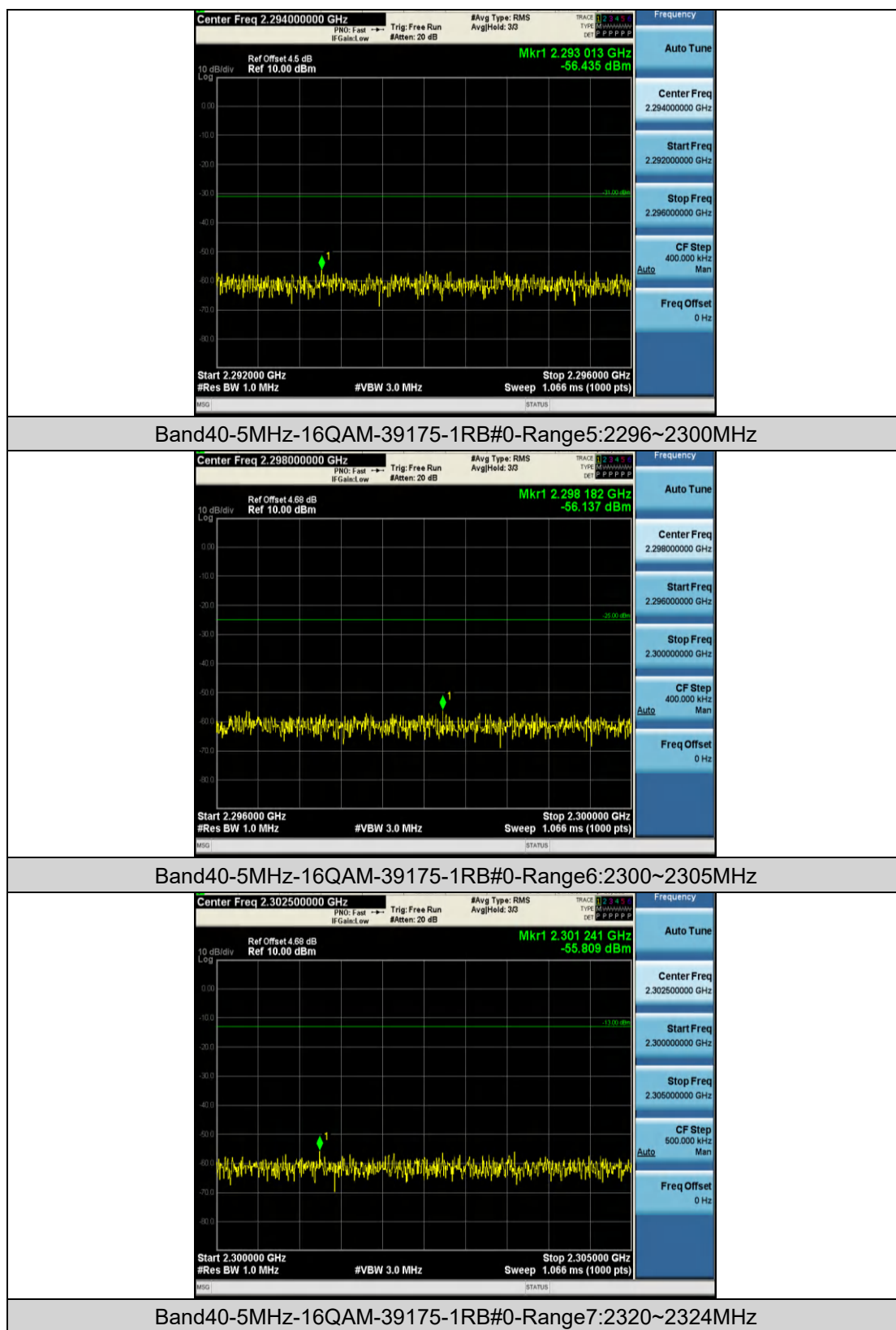


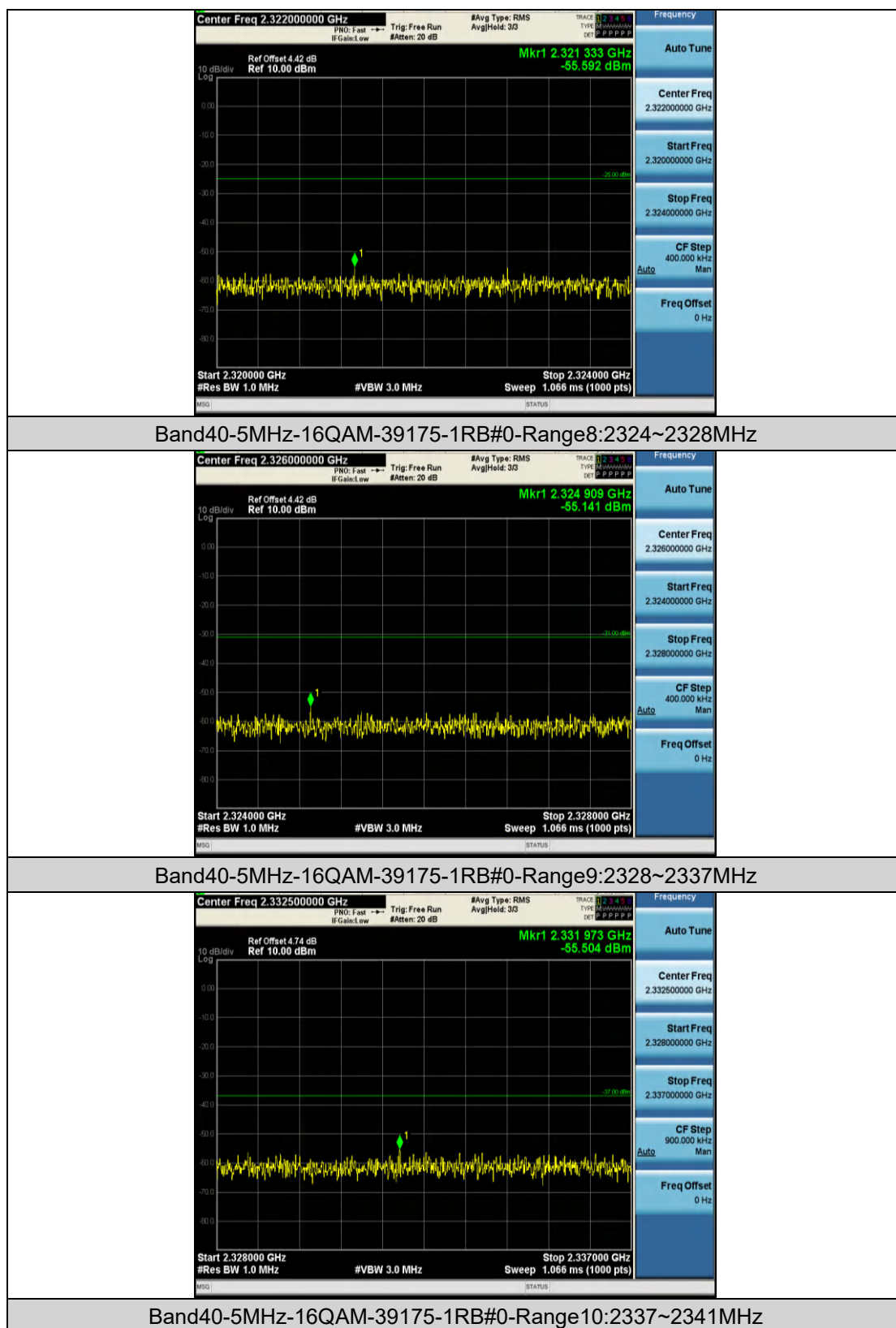


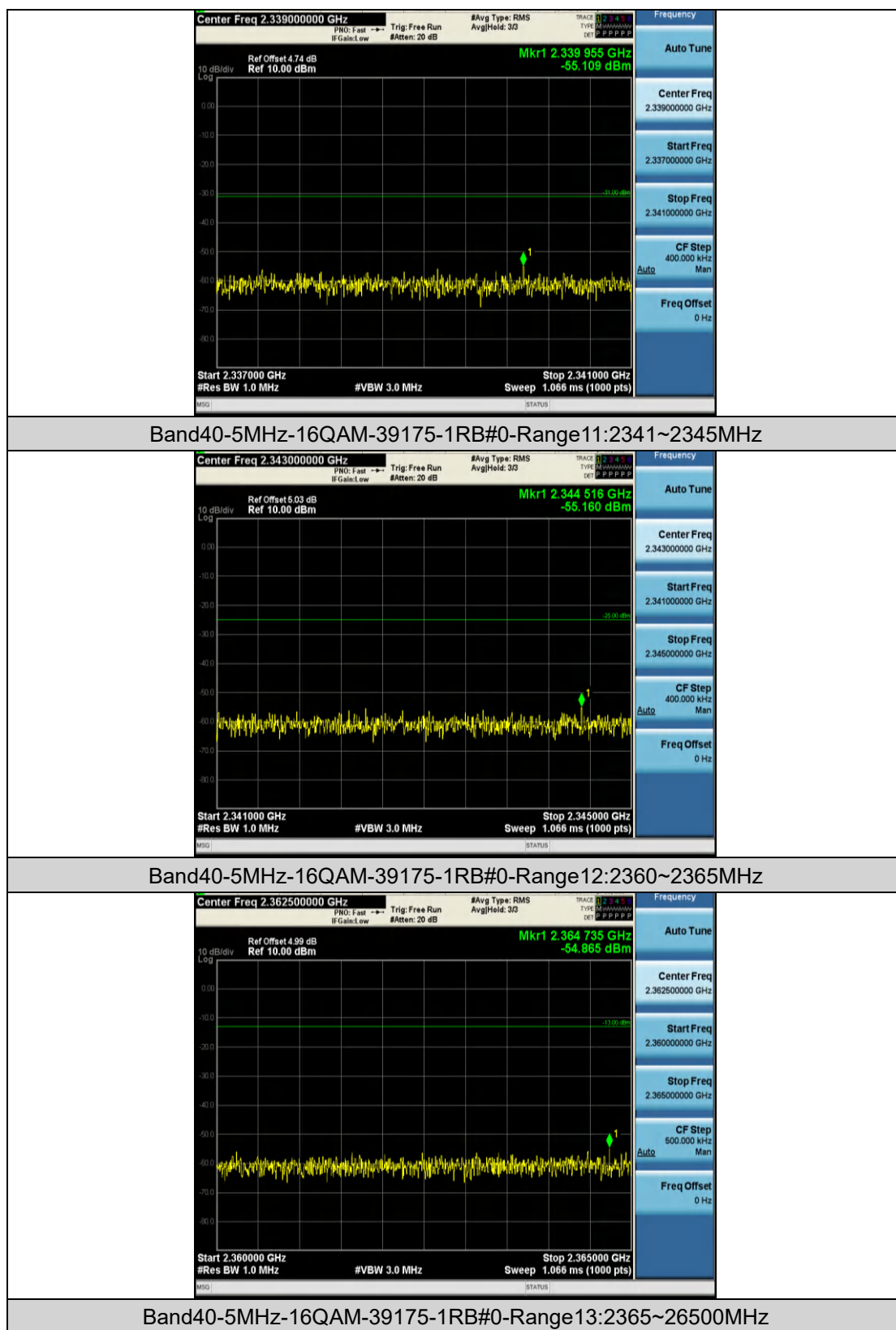


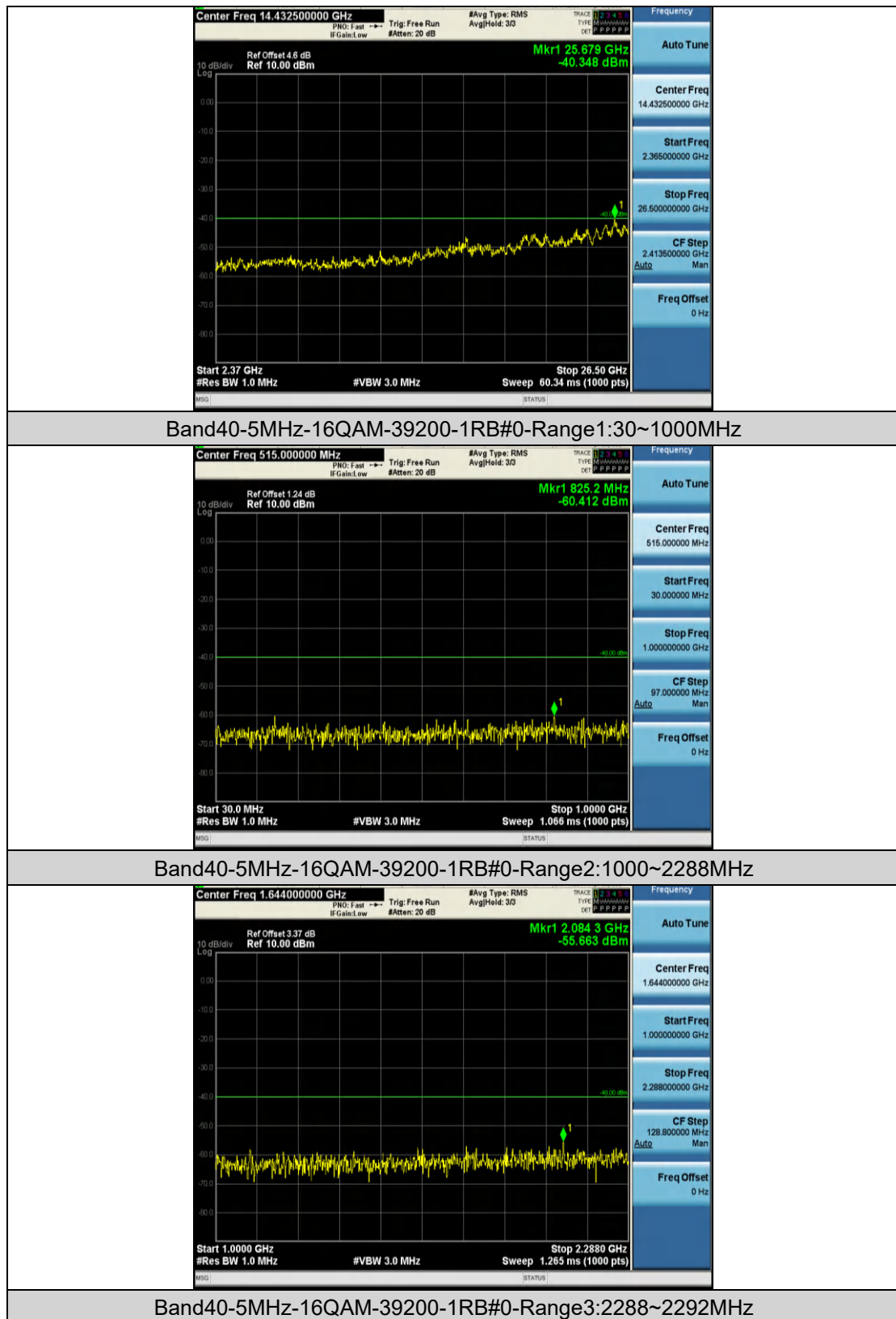


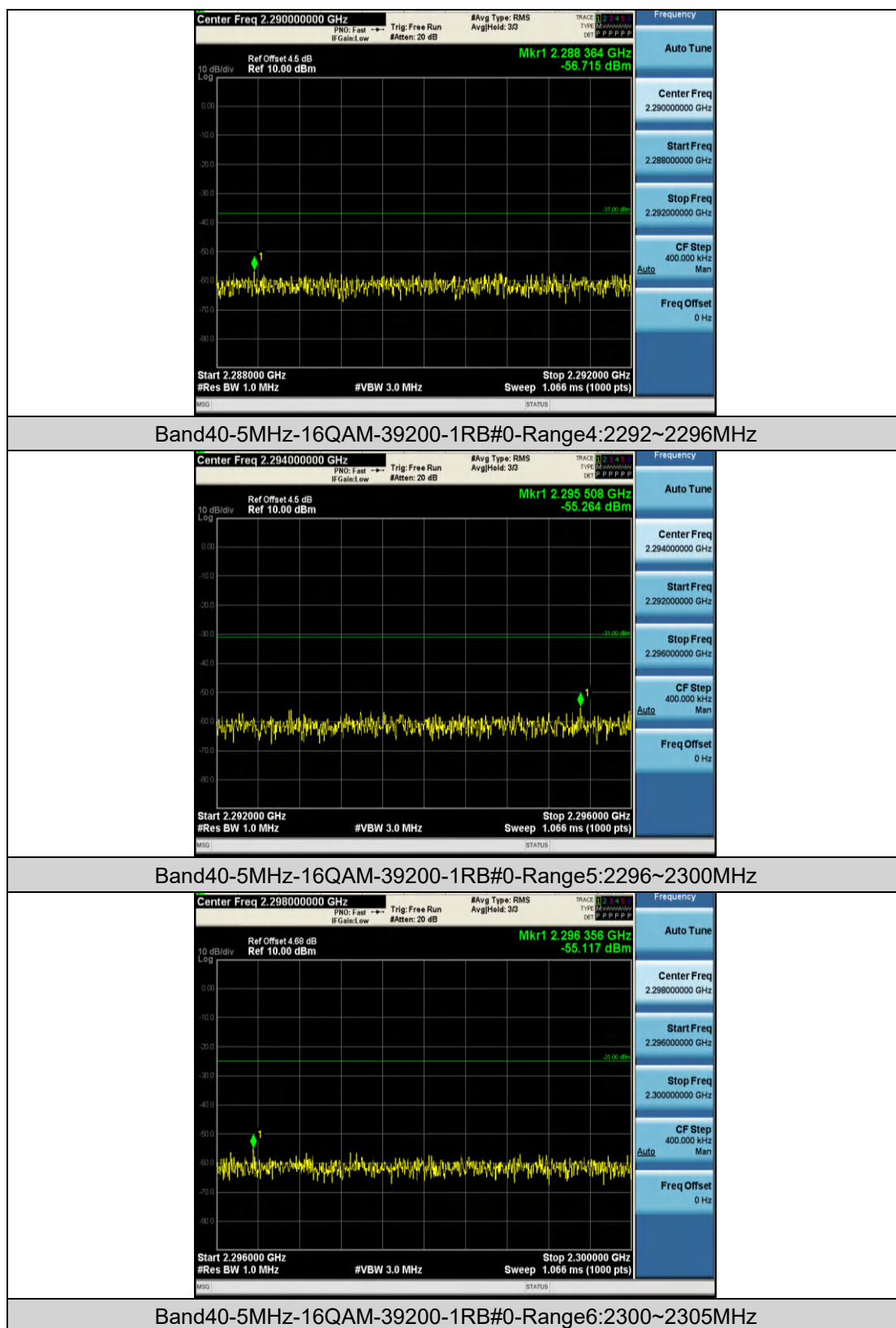


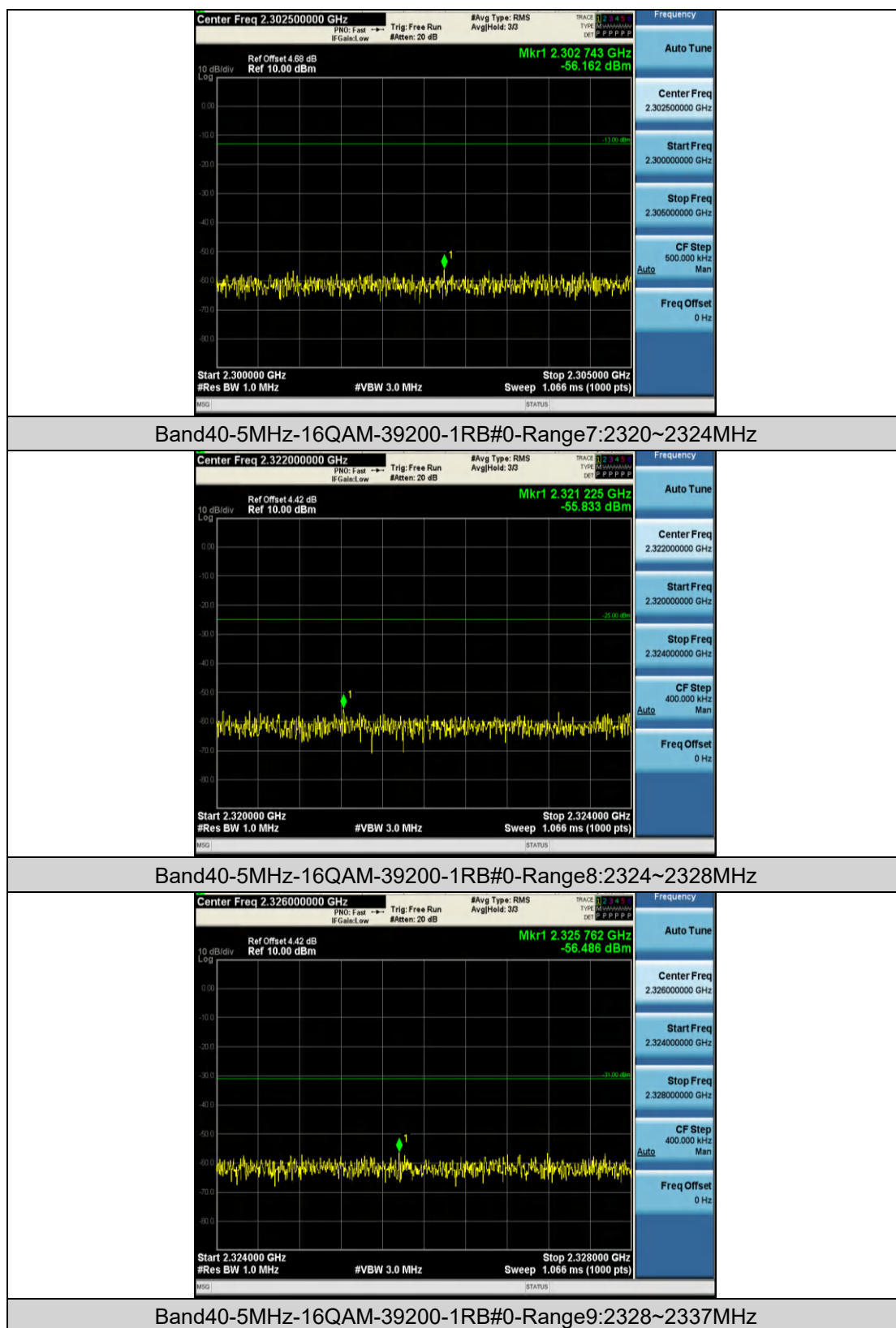


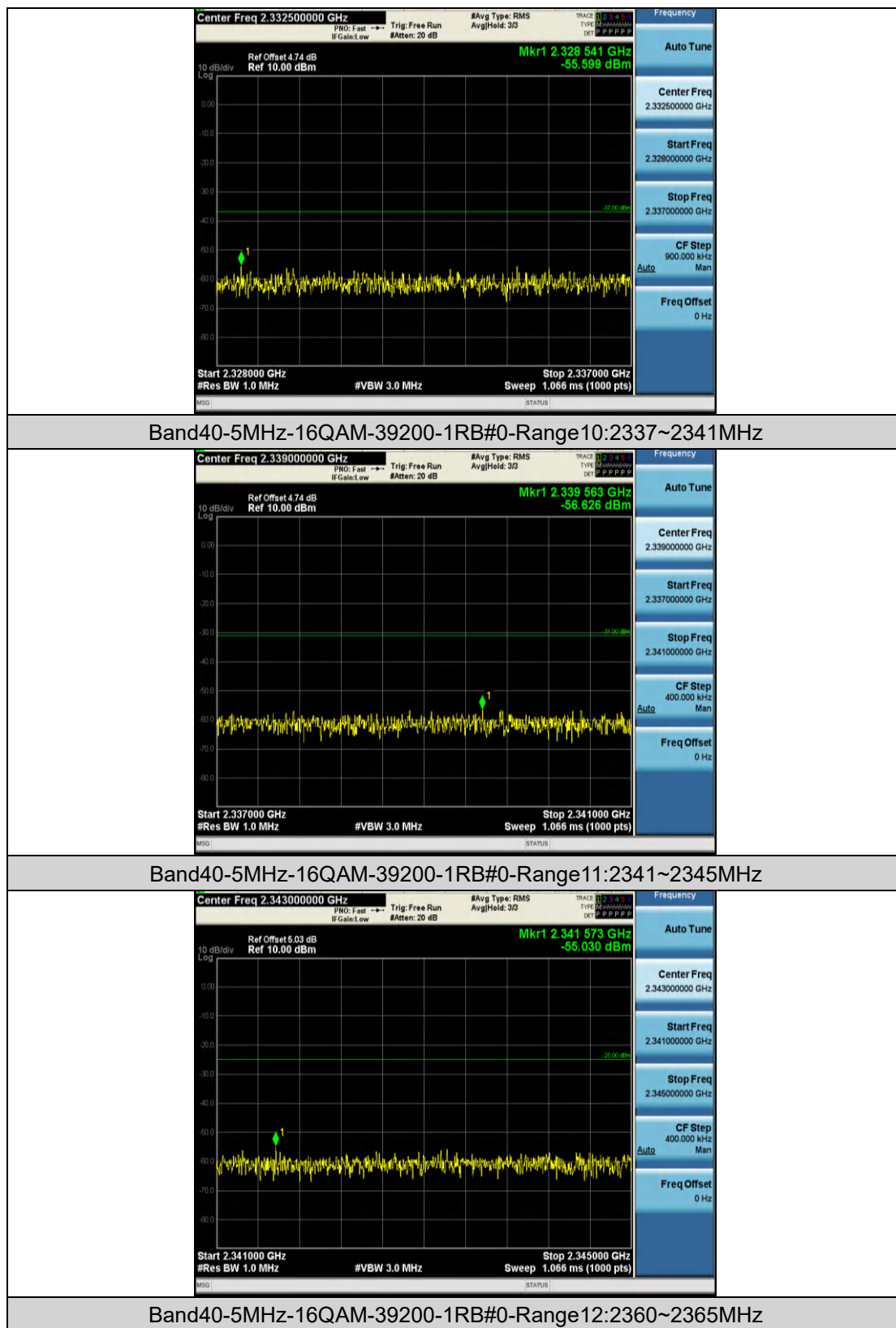


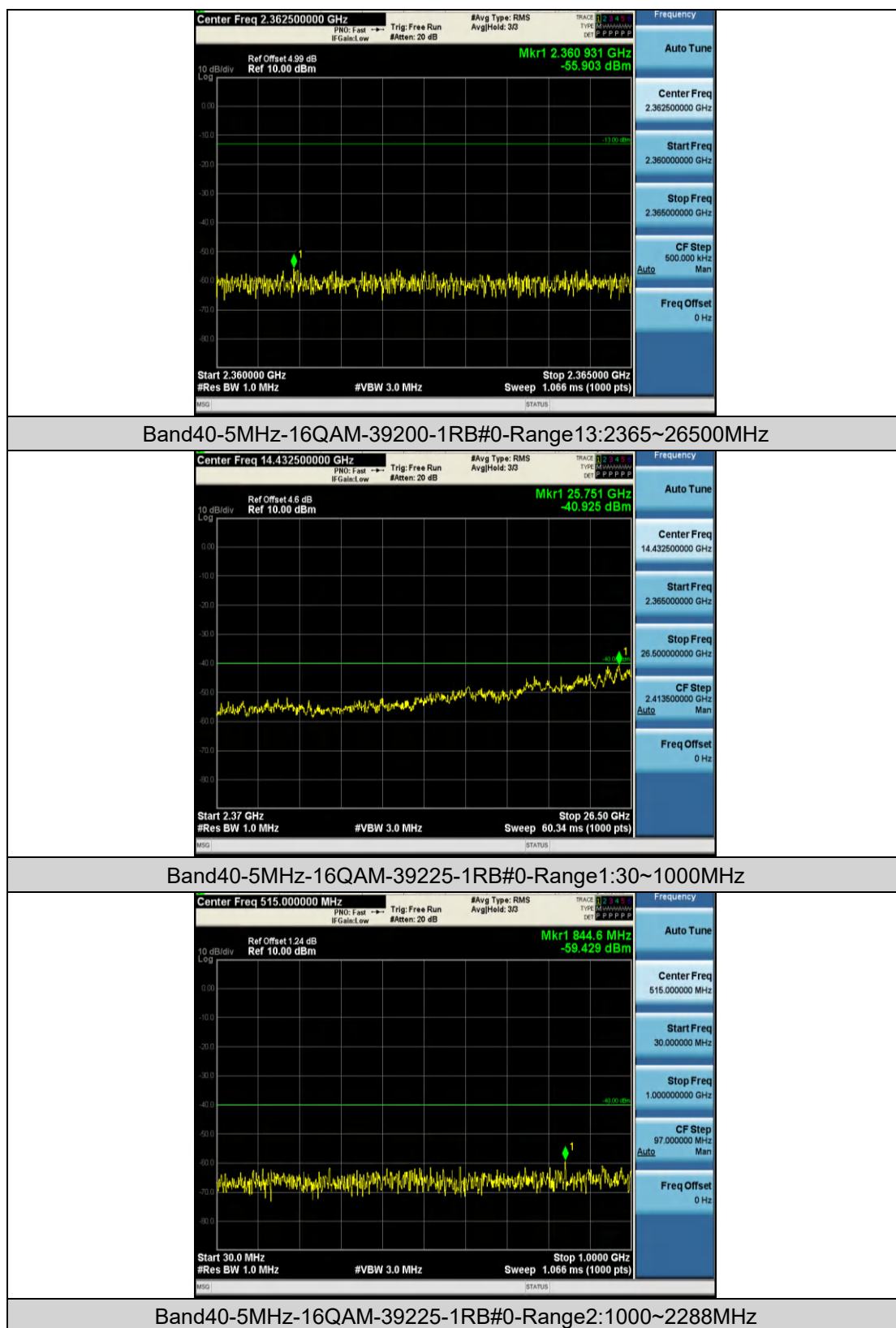


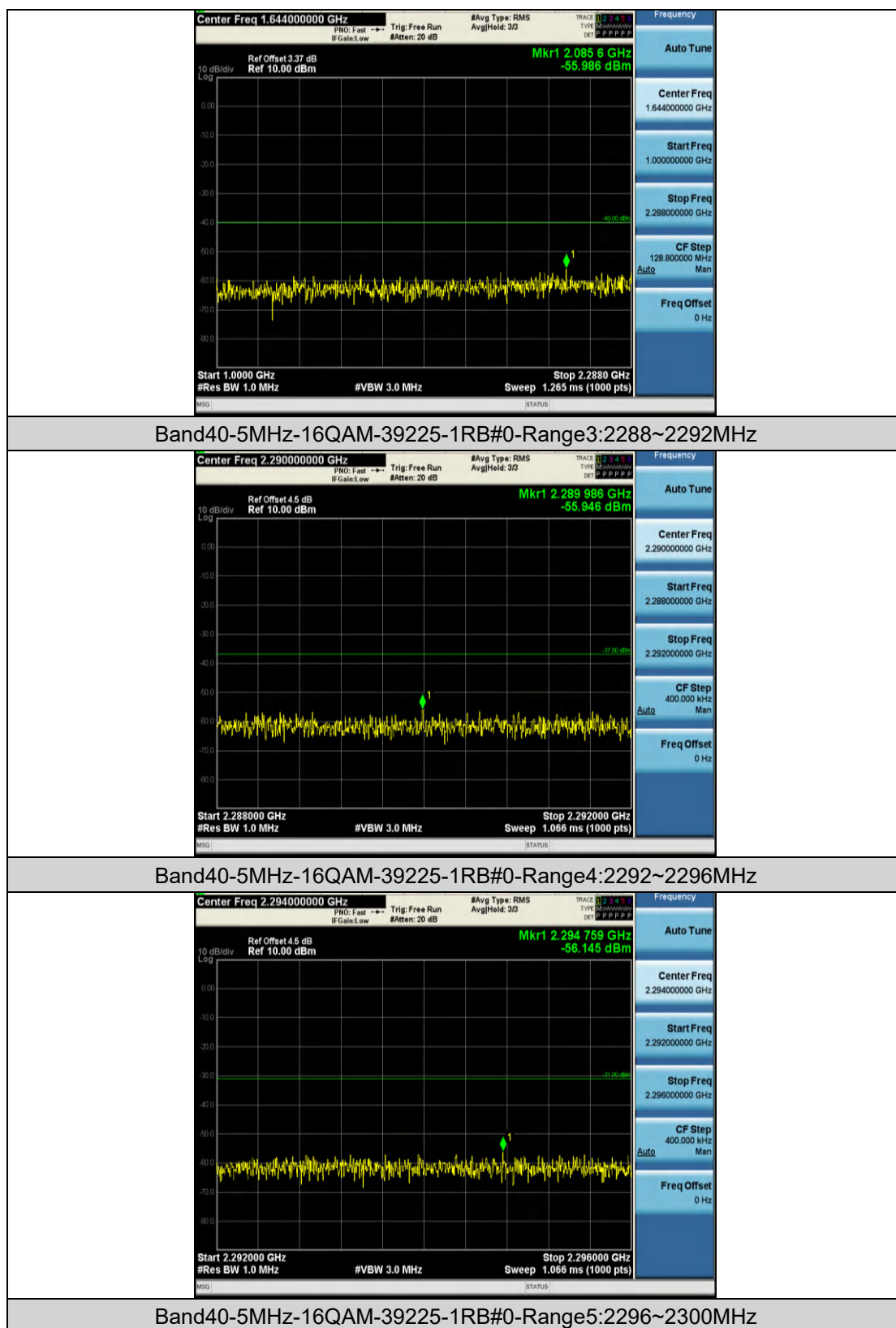


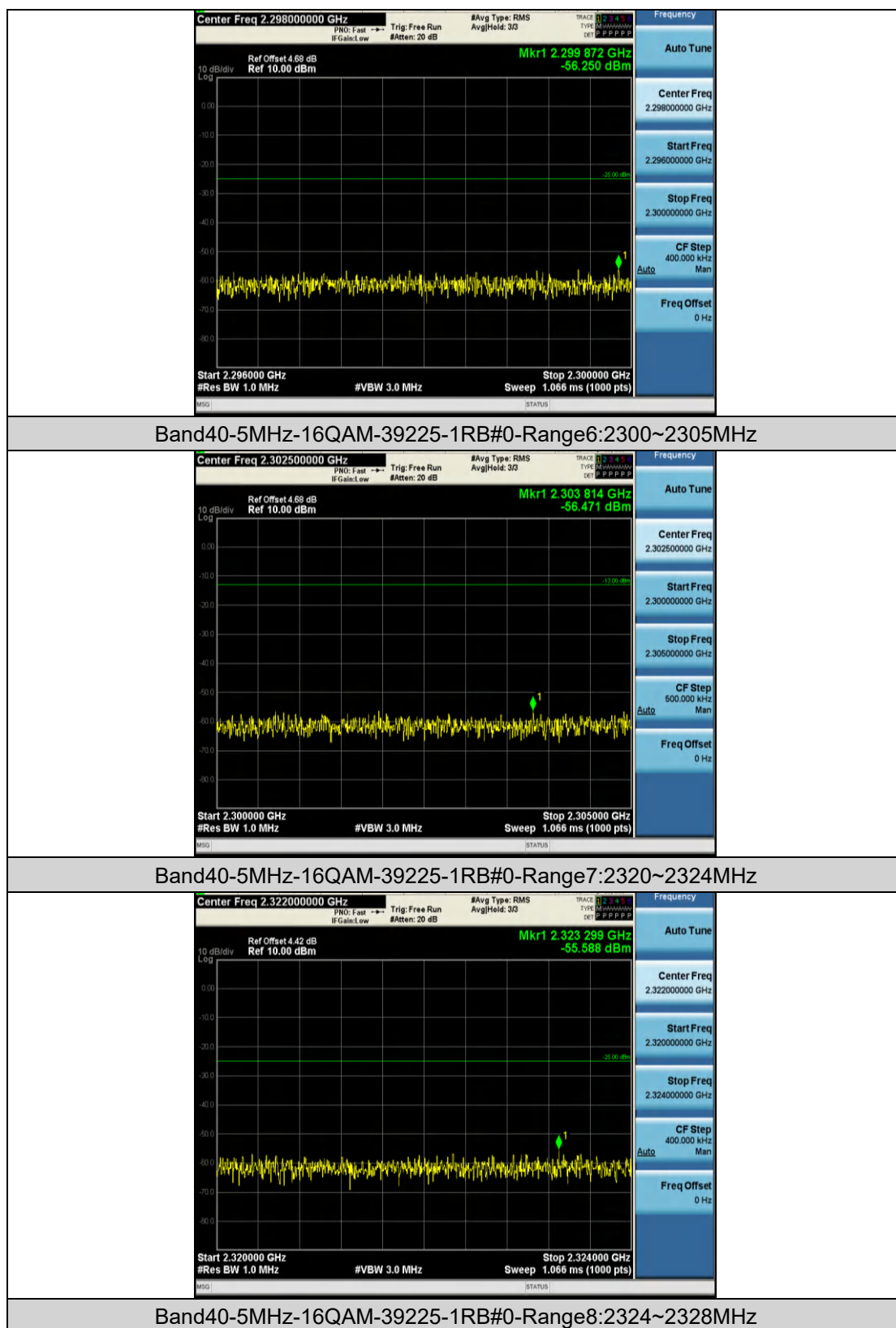


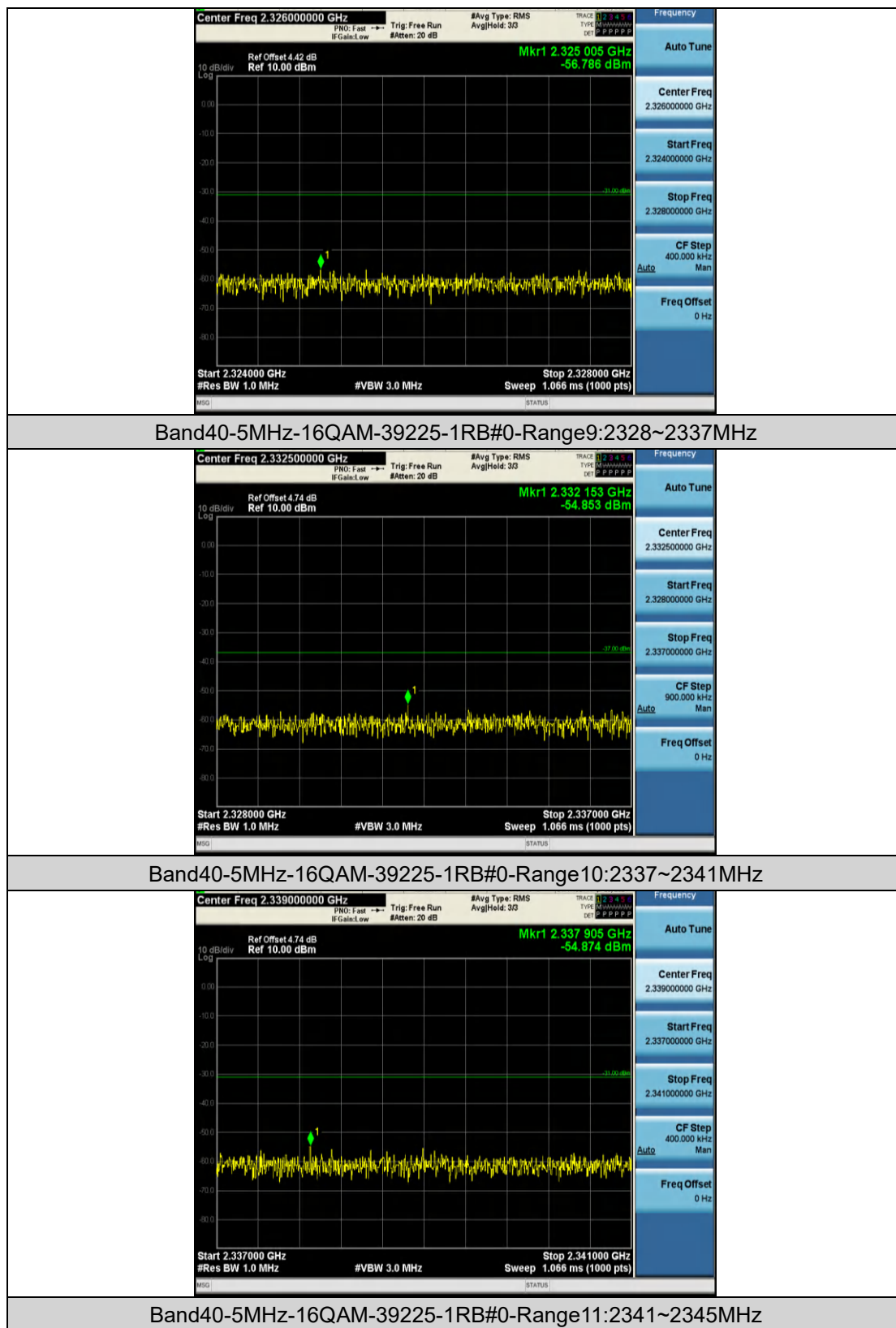


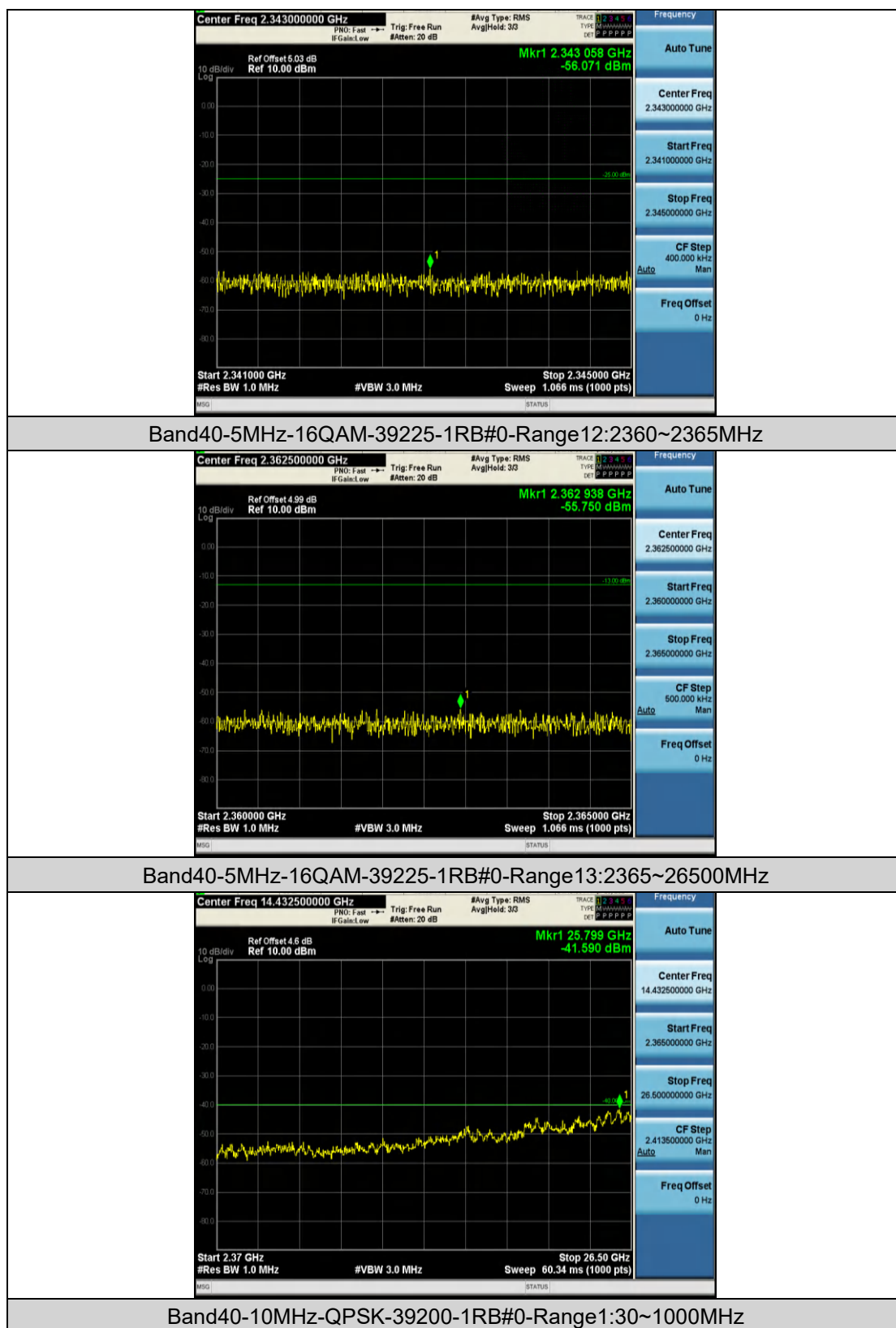


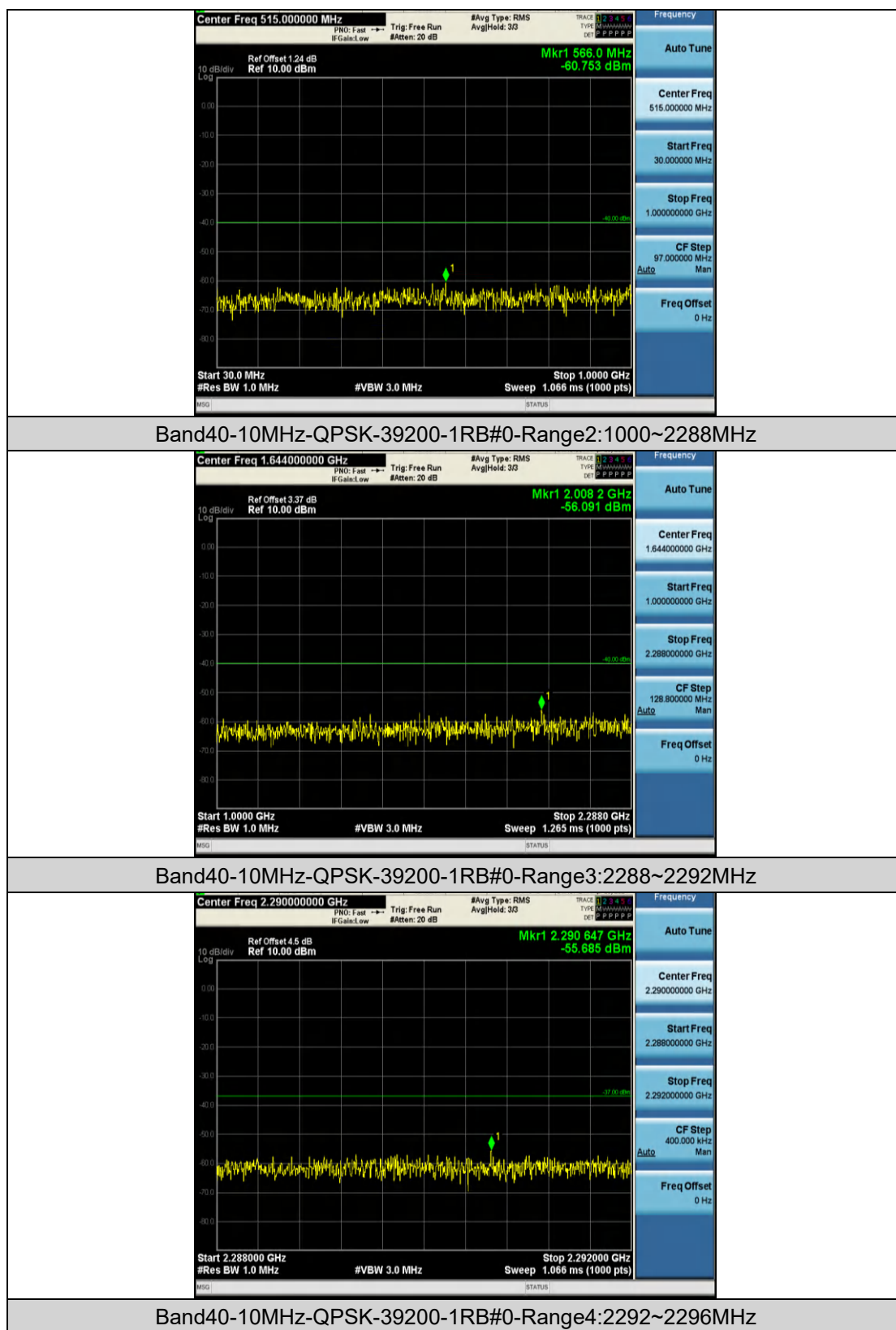


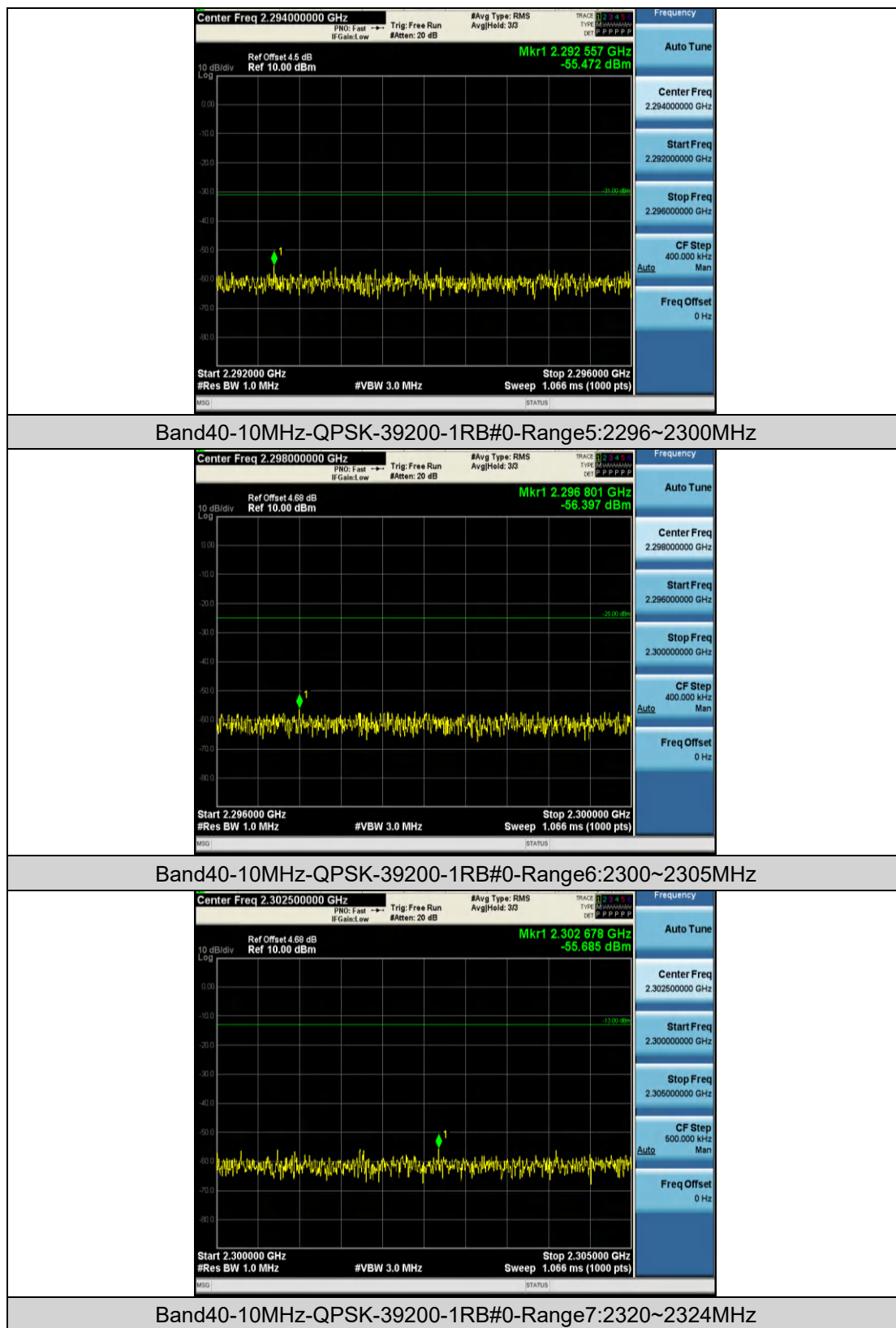


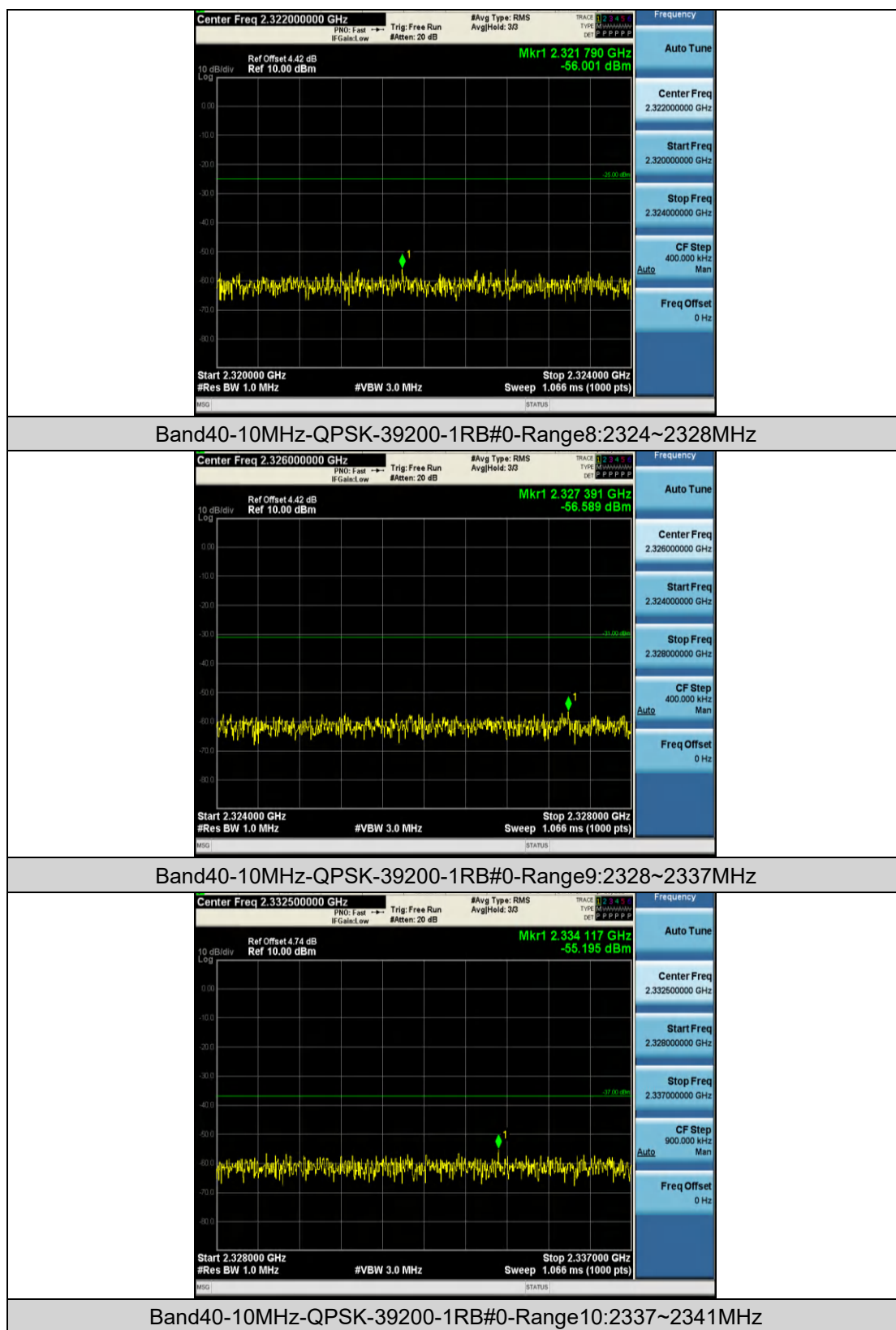


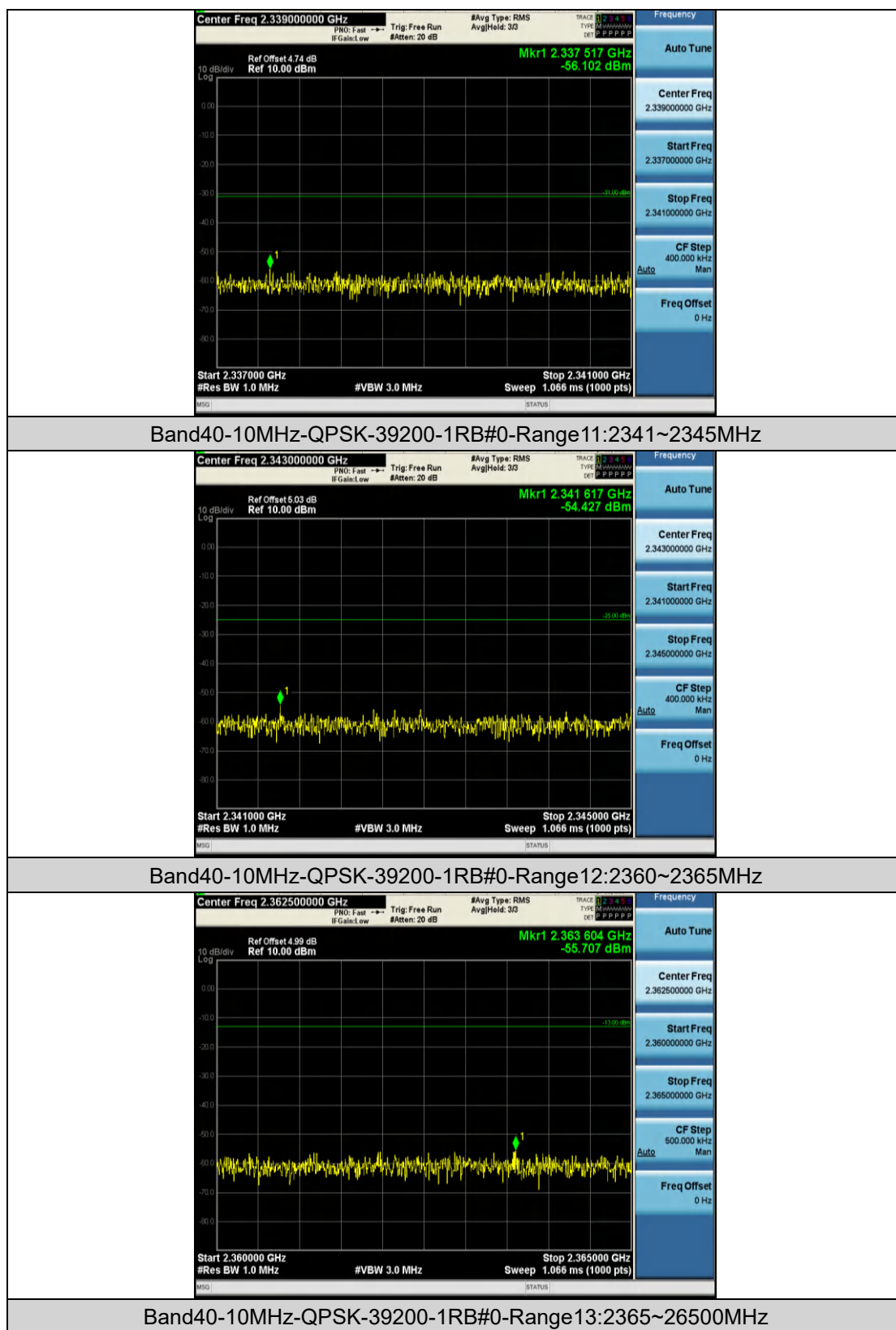


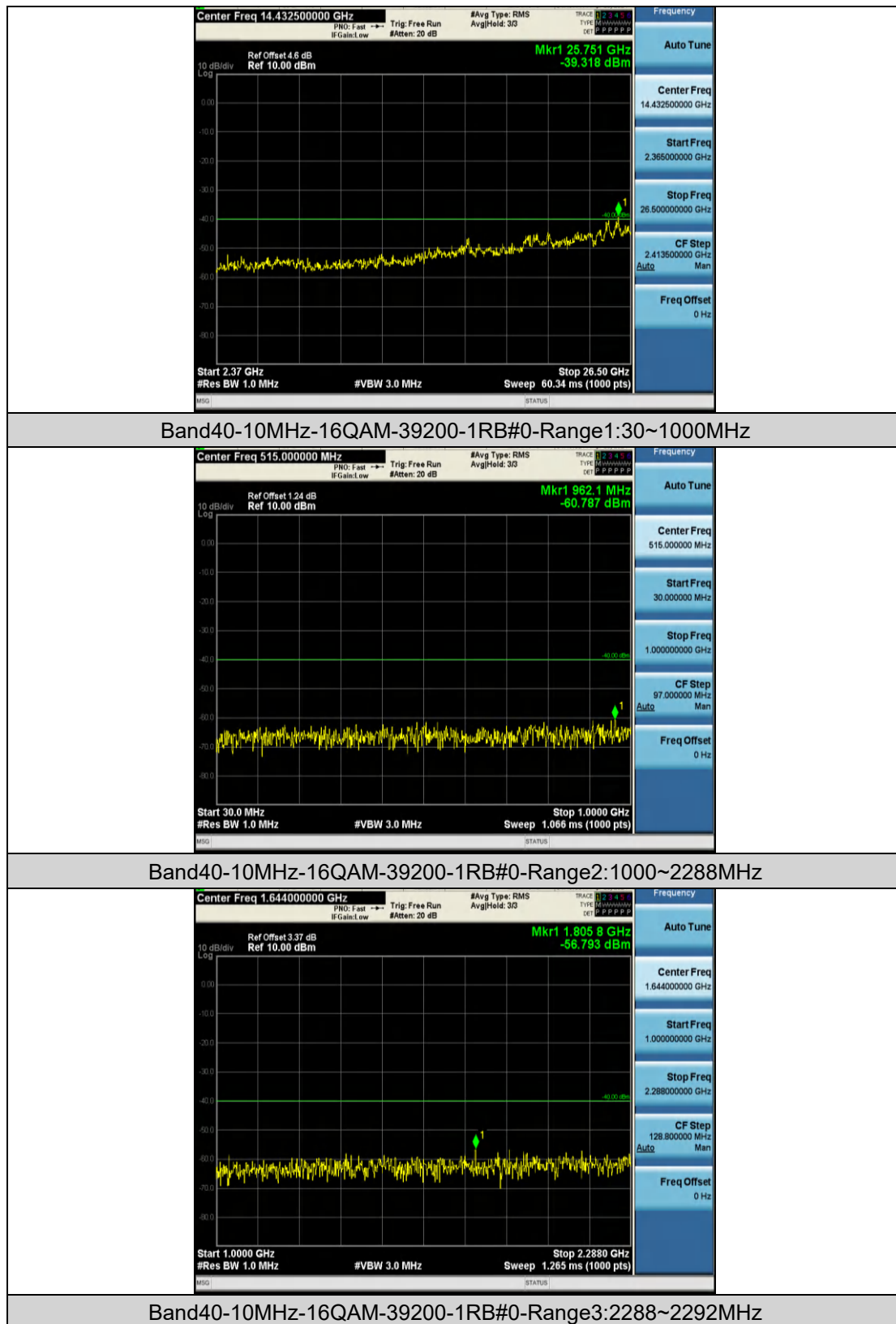


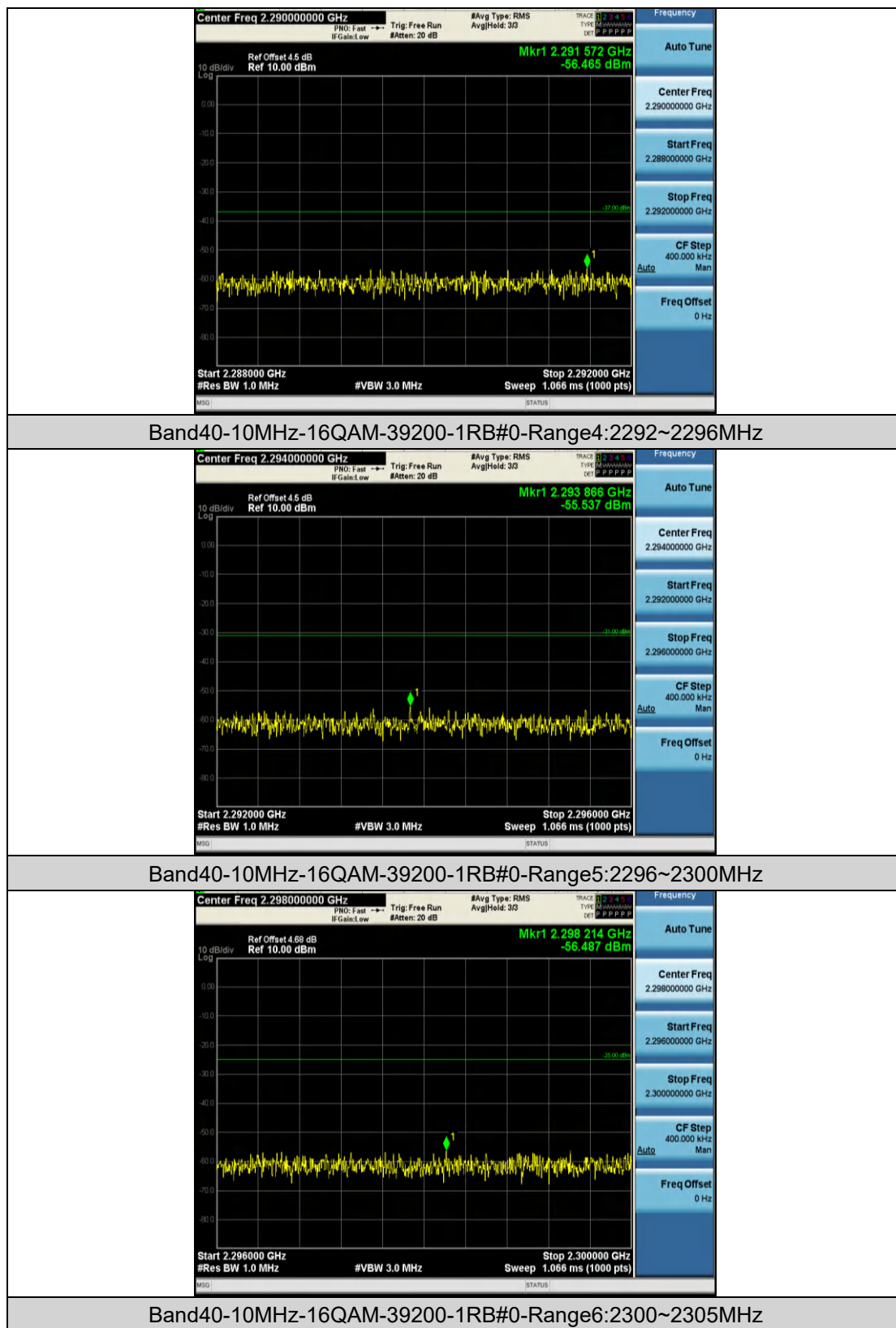


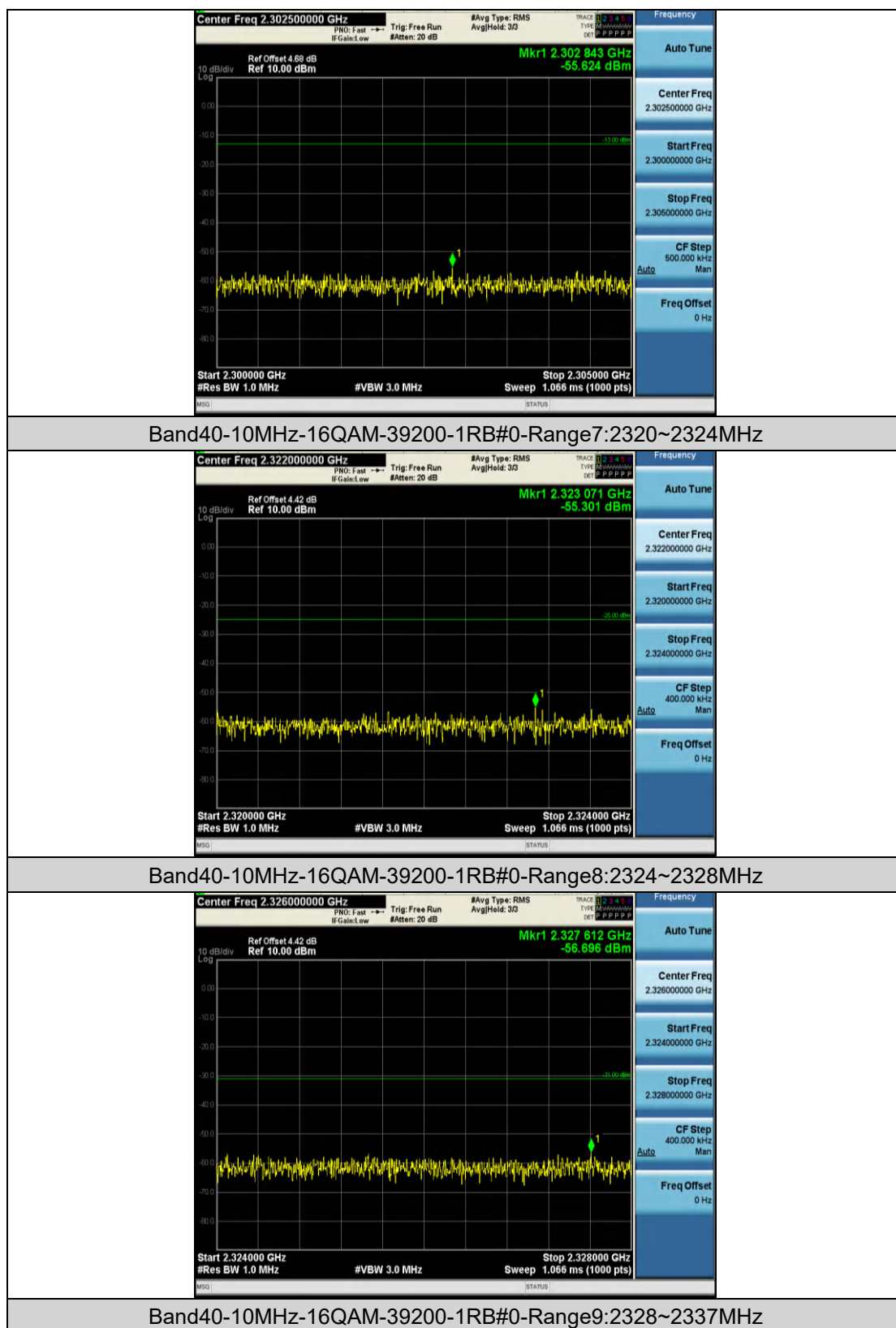


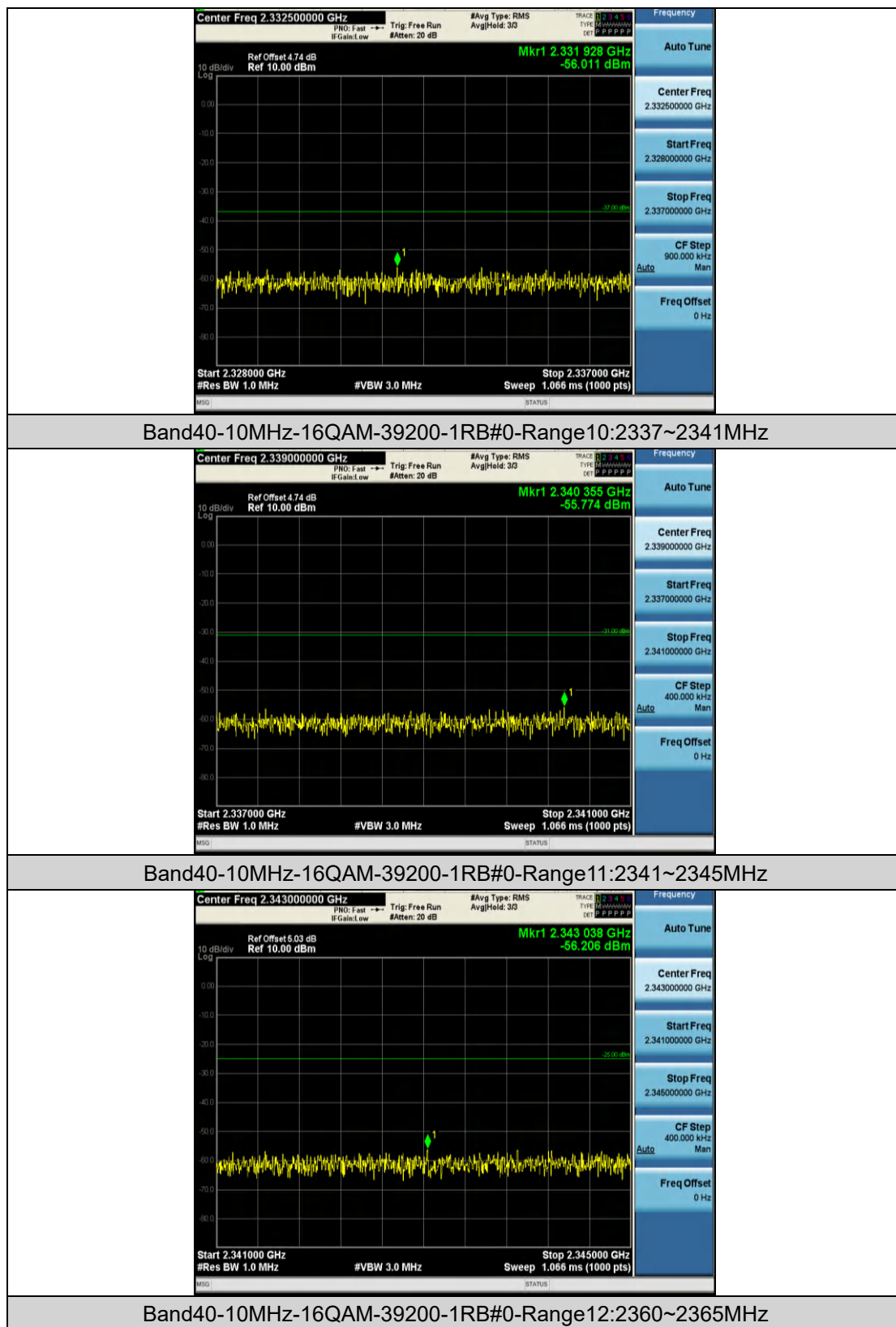


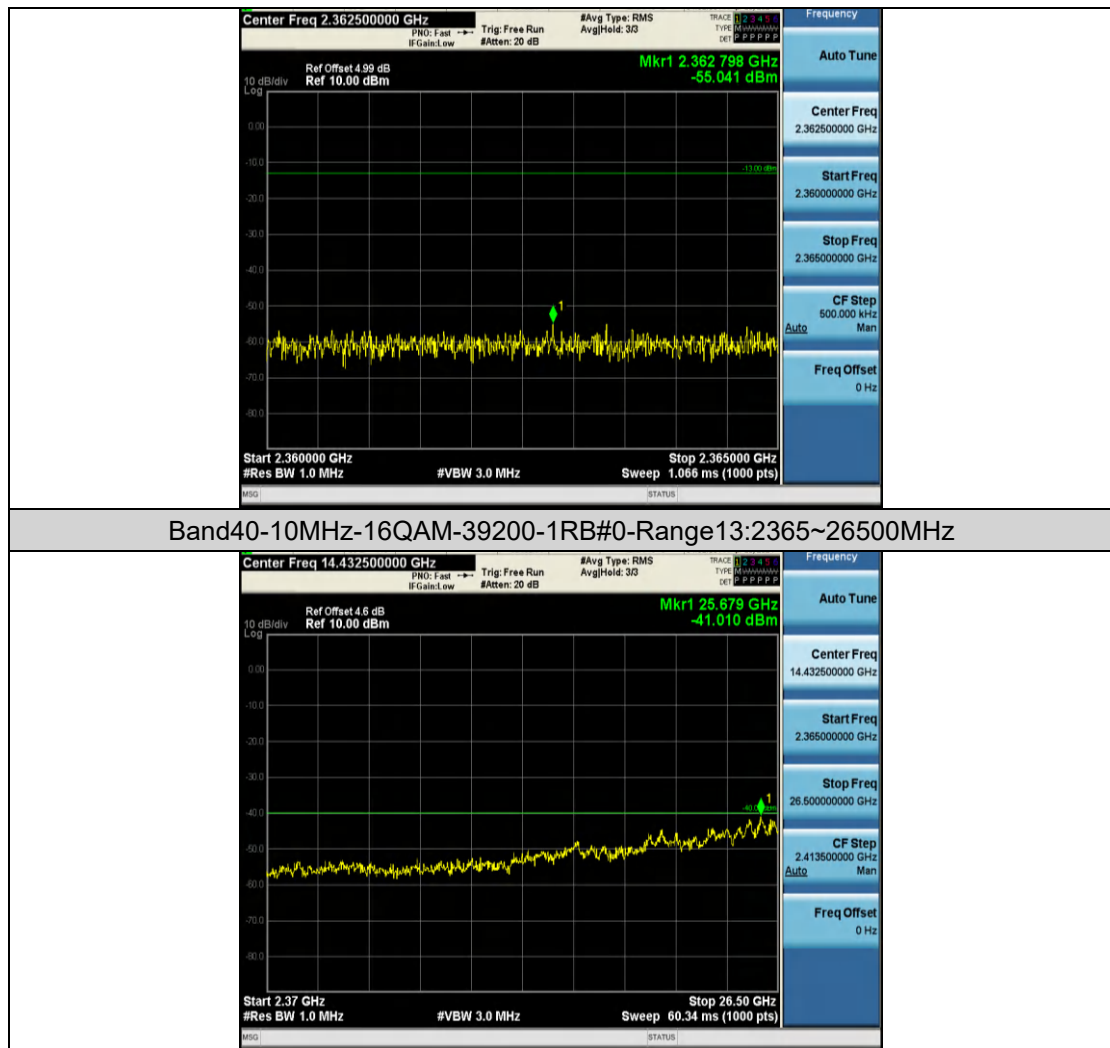












Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
40(2350-2360)	5MHz	QPSK	39175	25RB#0	VN	NT	24.77	0.010529	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	VL	NT	22.18	0.009428	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	VH	NT	23.74	0.010091	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	VN	NT	17.92	0.007617	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	VL	NT	17.58	0.007473	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	VH	NT	21.09	0.008965	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	VN	NT	18.43	0.007826	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	VL	NT	16.63	0.007062	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	VH	NT	14.23	0.006042	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	VN	NT	13.11	0.005567	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	VL	NT	14.76	0.006268	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	VH	NT	16.25	0.006900	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	VN	NT	4.35	0.001845	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	VL	NT	5.57	0.002363	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39225	25RB#0	VH	NT	-11.25	-0.004772	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	VN	NT	-14.33	-0.006078	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	VL	NT	-17.21	-0.007300	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39225	25RB#0	VH	NT	-15.65	-0.006638	±2.5	PASS

40(2350-2360)	10MHz	QPSK	39200	50RB#0	VN	NT	-1.62	-0.000688	±2.5	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	VL	NT	-7.04	-0.002989	±2.5	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	VH	NT	-6.11	-0.002594	±2.5	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	VN	NT	-16.99	-0.007214	±2.5	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	VL	NT	-15.27	-0.006484	±2.5	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	VH	NT	-19.40	-0.008238	±2.5	PASS

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	22.18	0.009428	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	NV	-20	18.00	0.007651	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	NV	-10	22.83	0.009705	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	NV	0	17.78	0.007558	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	NV	10	17.96	0.007634	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	NV	20	16.46	0.006997	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	NV	30	17.14	0.007286	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	NV	40	13.78	0.005858	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39175	25RB#0	NV	50	13.92	0.005917	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	-30	26.42	0.011231	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	-20	20.91	0.008888	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	-10	20.80	0.008842	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	0	19.83	0.008429	±2.5	PASS

40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	10	22.86	0.009717	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	20	23.30	0.009904	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	30	22.24	0.009454	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	40	20.61	0.008761	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39175	25RB#0	NV	50	22.18	0.009428	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	-30	9.80	0.004161	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	-20	8.29	0.003520	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	-10	11.38	0.004832	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	0	10.47	0.004446	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	10	8.63	0.003665	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	20	9.62	0.004085	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	30	9.45	0.004013	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	40	14.45	0.006136	±2.5	PASS
40(2350-2360)	5MHz	QPSK	39200	25RB#0	NV	50	11.75	0.004989	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	NV	-30	9.93	0.004217	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	NV	-20	14.49	0.006153	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	NV	-10	13.34	0.005665	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	NV	0	12.79	0.005431	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	NV	10	12.41	0.005270	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	NV	20	10.19	0.004327	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	NV	30	15.07	0.006399	±2.5	PASS
40(2350-2360)	5MHz	16QAM	39200	25RB#0	NV	40	14.34	0.006089	±2.5	PASS

-2360)										
40(2350 -2360)	5MHz	16QAM	39200	25RB#0	NV	50	11.14	0.004730	±2.5	PASS
40(2350 -2360)	5MHz	QPSK	39225	25RB#0	NV	-30	-21.59	-0.009158	±2.5	PASS
40(2350 -2360)	5MHz	QPSK	39225	25RB#0	NV	-20	-20.67	-0.008768	±2.5	PASS
40(2350 -2360)	5MHz	QPSK	39225	25RB#0	NV	-10	-18.78	-0.007966	±2.5	PASS
40(2350 -2360)	5MHz	QPSK	39225	25RB#0	NV	0	-20.05	-0.008505	±2.5	PASS
40(2350 -2360)	5MHz	QPSK	39225	25RB#0	NV	10	-17.42	-0.007389	±2.5	PASS
40(2350 -2360)	5MHz	QPSK	39225	25RB#0	NV	20	-17.01	-0.007215	±2.5	PASS
40(2350 -2360)	5MHz	QPSK	39225	25RB#0	NV	30	-11.56	-0.004903	±2.5	PASS
40(2350 -2360)	5MHz	QPSK	39225	25RB#0	NV	40	-11.89	-0.005043	±2.5	PASS
40(2350 -2360)	5MHz	QPSK	39225	25RB#0	NV	50	-14.21	-0.006028	±2.5	PASS
40(2350 -2360)	5MHz	16QAM	39225	25RB#0	NV	-30	-13.01	-0.005519	±2.5	PASS
40(2350 -2360)	5MHz	16QAM	39225	25RB#0	NV	-20	-10.24	-0.004344	±2.5	PASS
40(2350 -2360)	5MHz	16QAM	39225	25RB#0	NV	-10	-12.55	-0.005323	±2.5	PASS
40(2350 -2360)	5MHz	16QAM	39225	25RB#0	NV	0	-13.30	-0.005642	±2.5	PASS
40(2350 -2360)	5MHz	16QAM	39225	25RB#0	NV	10	-16.59	-0.007037	±2.5	PASS
40(2350 -2360)	5MHz	16QAM	39225	25RB#0	NV	20	-12.73	-0.005400	±2.5	PASS
40(2350 -2360)	5MHz	16QAM	39225	25RB#0	NV	30	-14.90	-0.006320	±2.5	PASS
40(2350 -2360)	5MHz	16QAM	39225	25RB#0	NV	40	-19.04	-0.008076	±2.5	PASS
40(2350 -2360)	5MHz	16QAM	39225	25RB#0	NV	50	-15.13	-0.006418	±2.5	PASS
40(2350 -2360)	10MHz	QPSK	39200	50RB#0	NV	-30	3.62	0.001537	±2.5	PASS
40(2350 -2360)	10MHz	QPSK	39200	50RB#0	NV	-20	-5.53	-0.002348	±2.5	PASS

40(2350-2360)	10MHz	QPSK	39200	50RB#0	NV	-10	-6.90	-0.002930	±2.5	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	NV	0	-4.63	-0.001966	±2.5	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	NV	10	5.16	0.002191	±2.5	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	NV	20	6.24	0.002650	±2.5	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	NV	30	-12.17	-0.005168	±2.5	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	NV	40	-11.59	-0.004921	±2.5	PASS
40(2350-2360)	10MHz	QPSK	39200	50RB#0	NV	50	-14.62	-0.006208	±2.5	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-30	-18.24	-0.007745	±2.5	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-20	-23.01	-0.009771	±2.5	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-10	-23.46	-0.009962	±2.5	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	0	-25.08	-0.010650	±2.5	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	10	-23.38	-0.009928	±2.5	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	20	-26.08	-0.011074	±2.5	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	30	-27.62	-0.011728	±2.5	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	40	-27.85	-0.011826	±2.5	PASS
40(2350-2360)	10MHz	16QAM	39200	50RB#0	NV	50	-26.87	-0.011410	±2.5	PASS