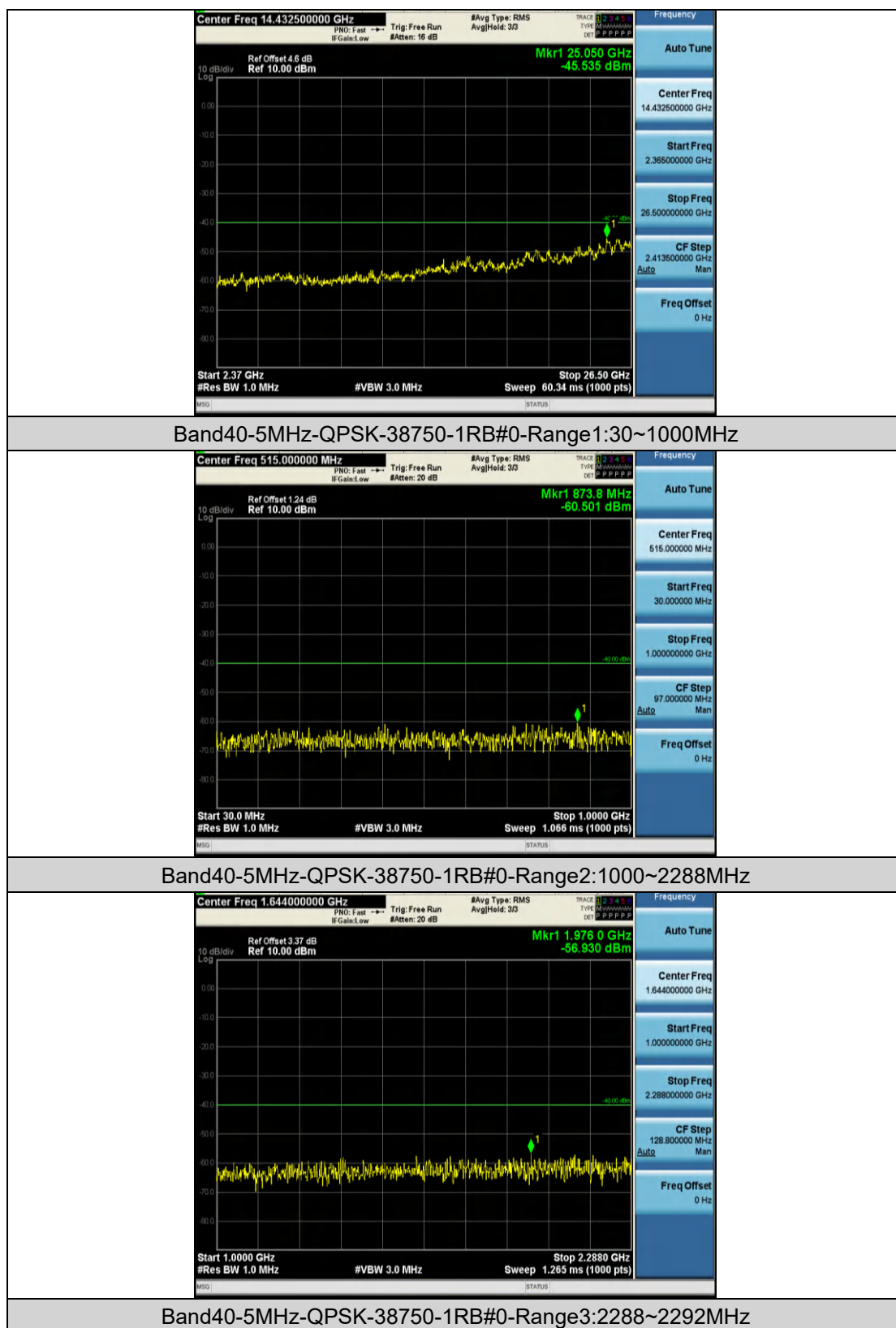
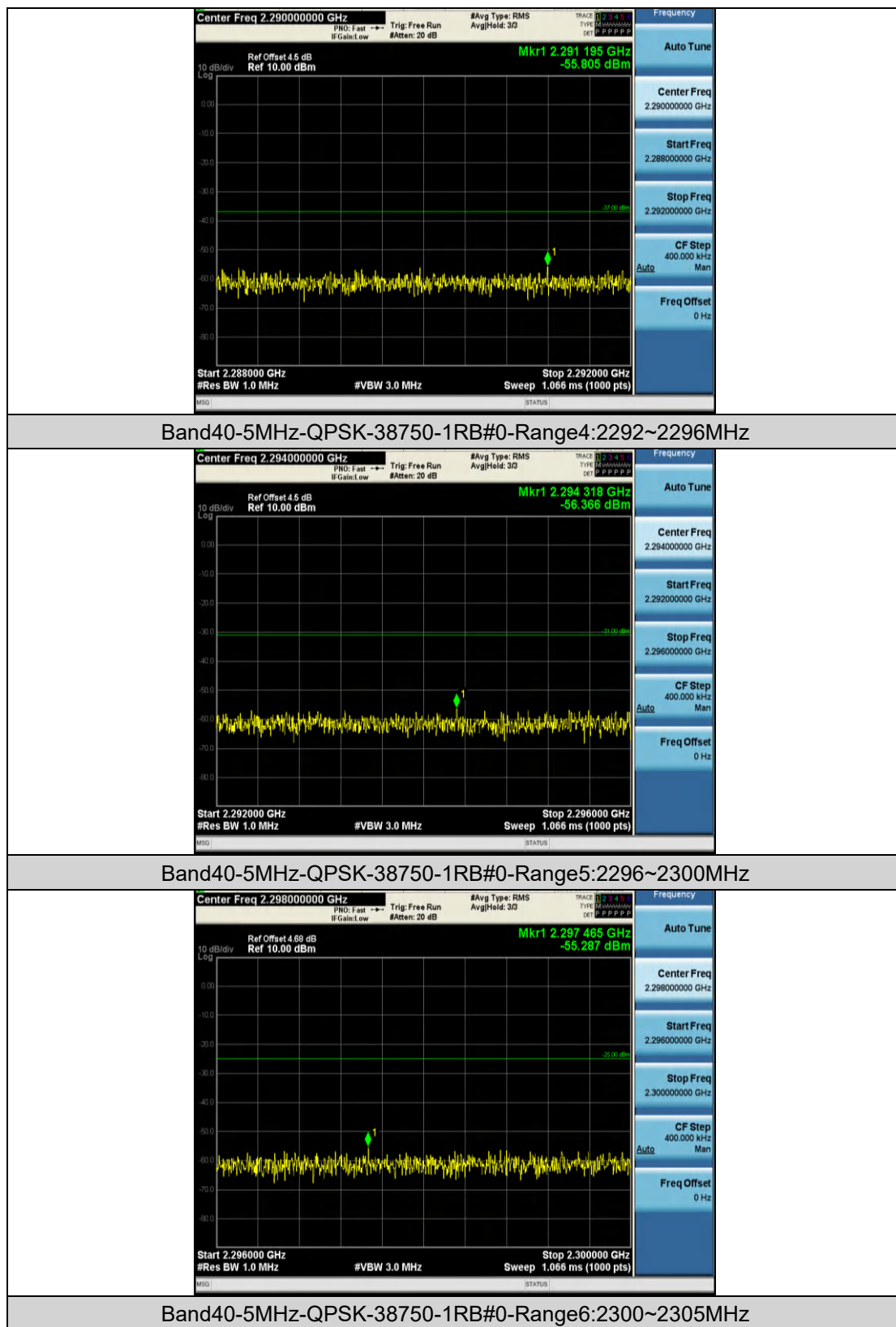
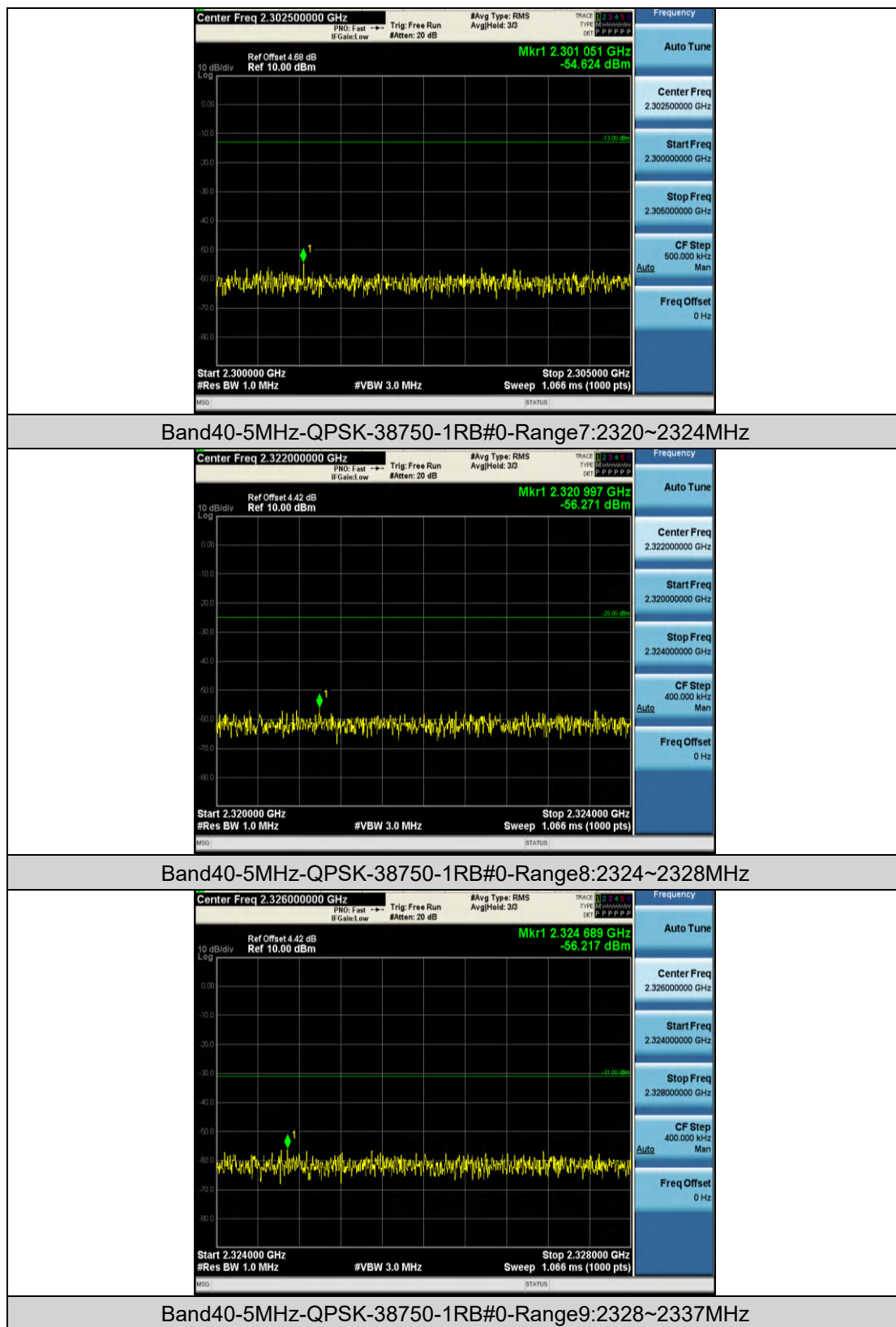
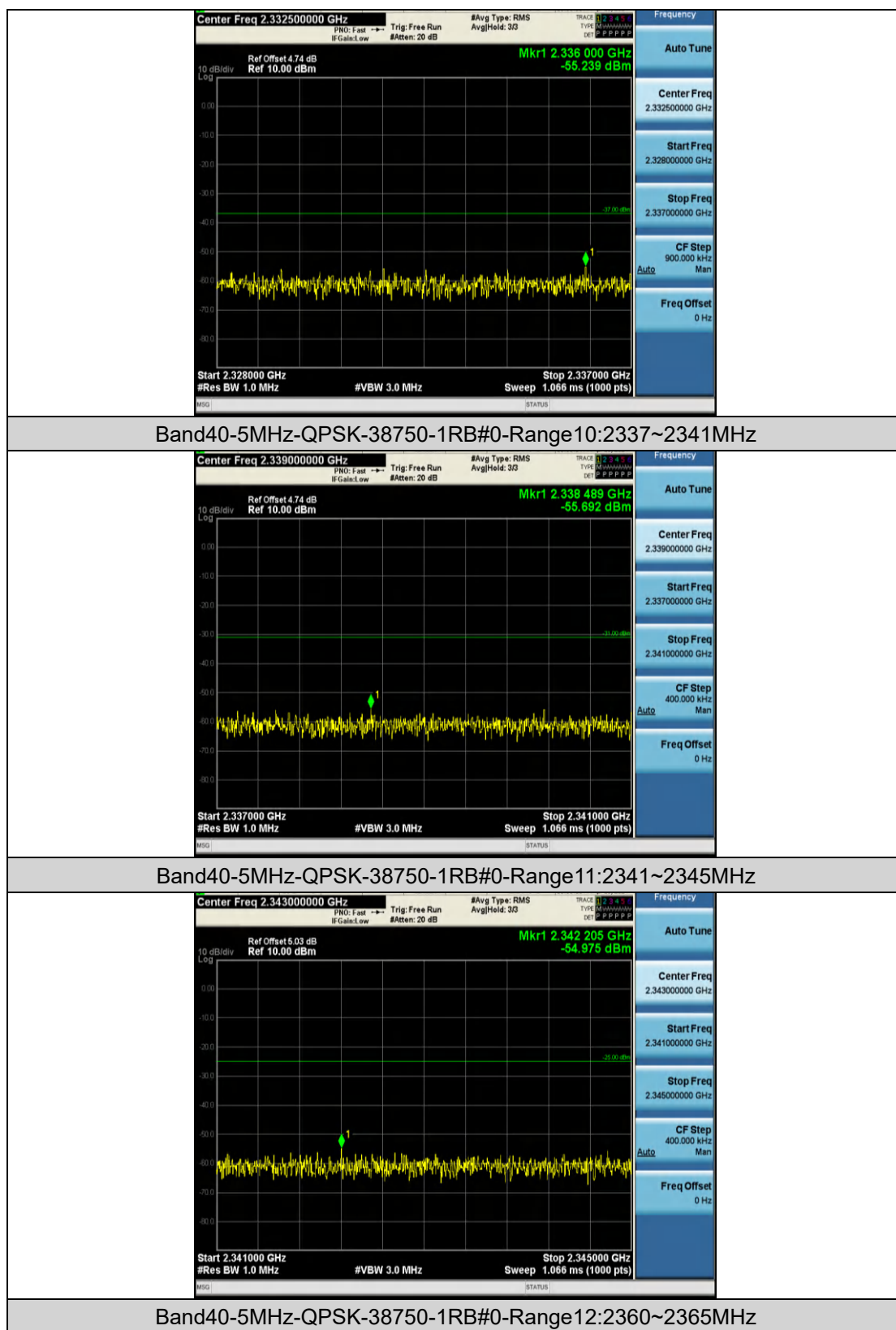
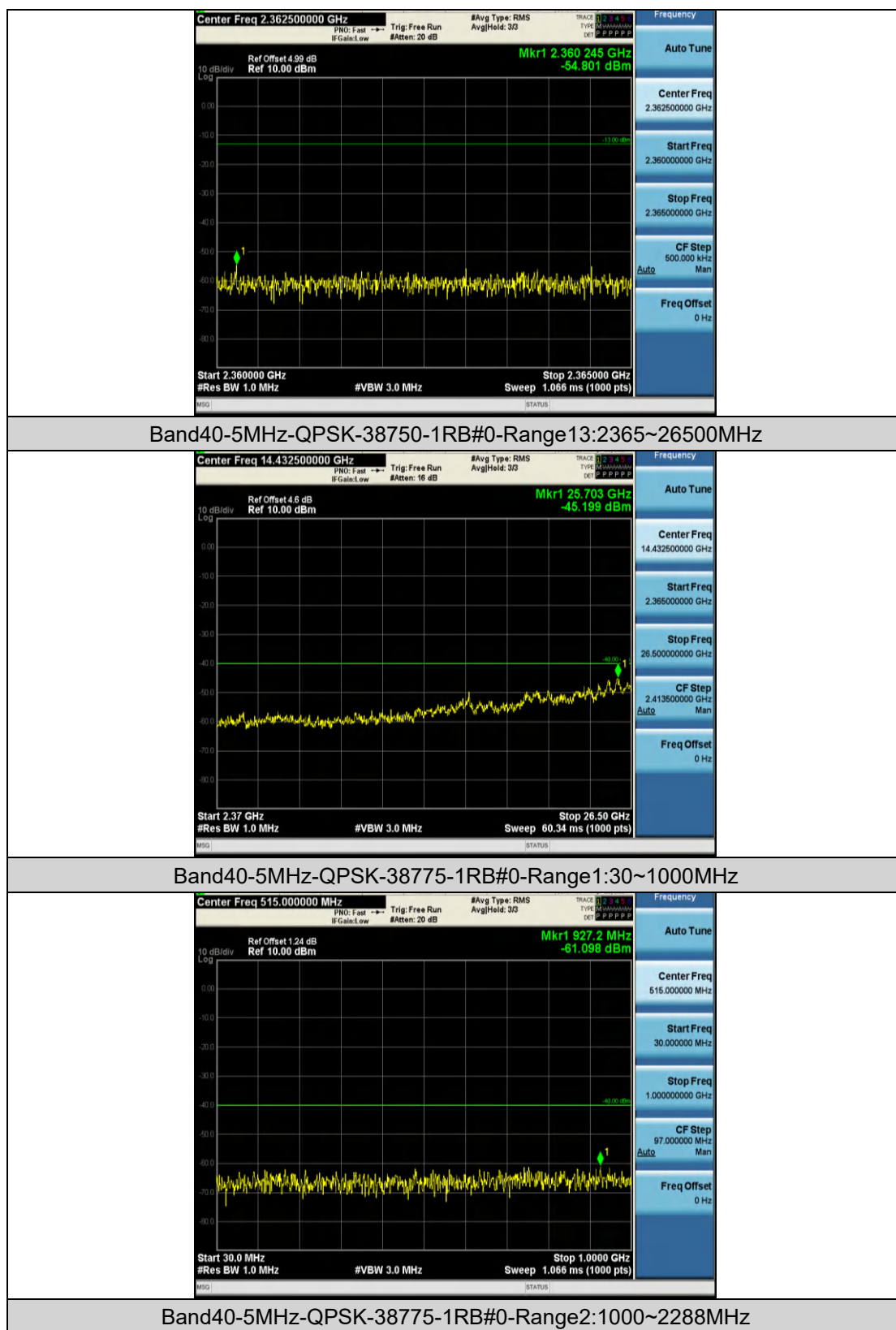


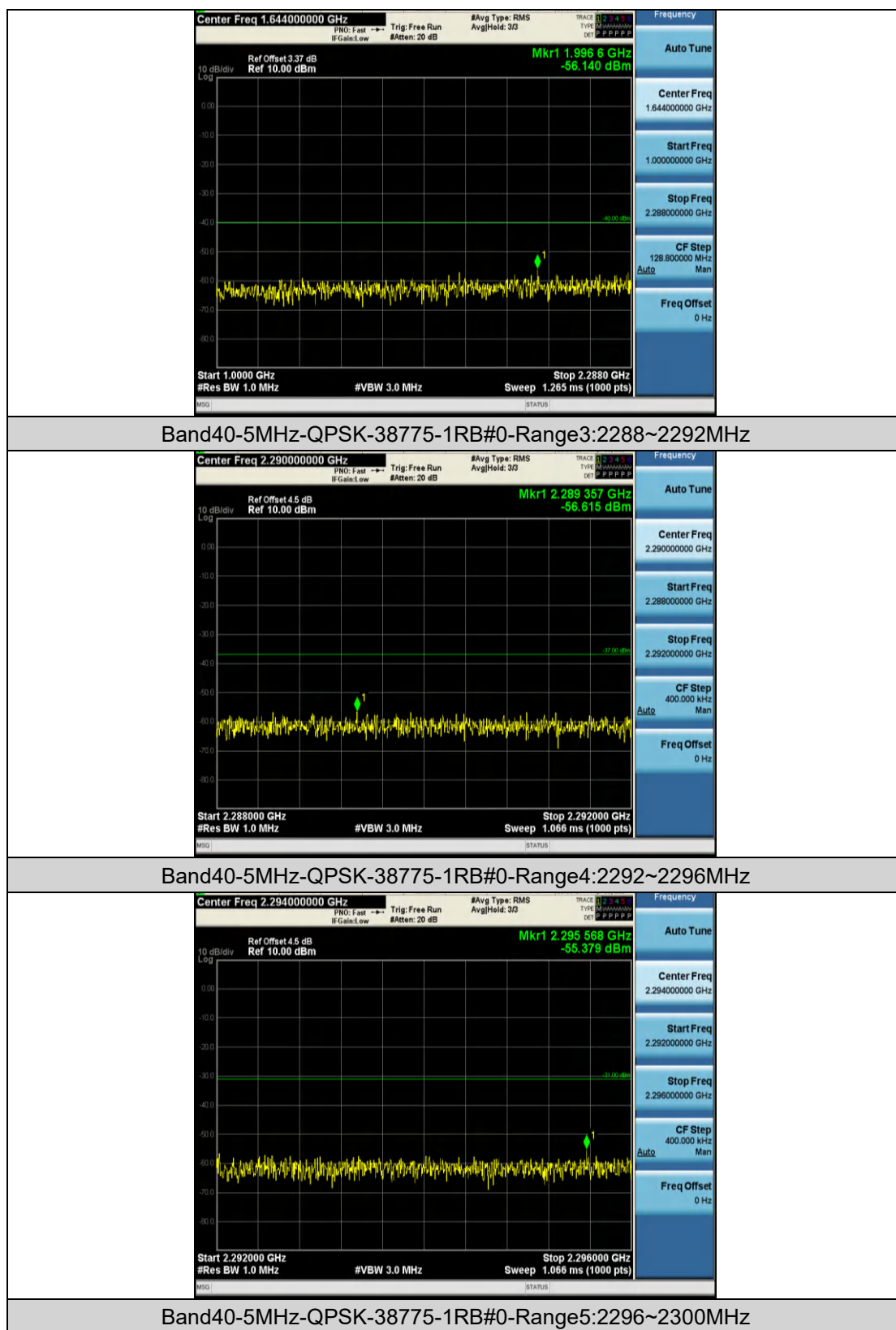


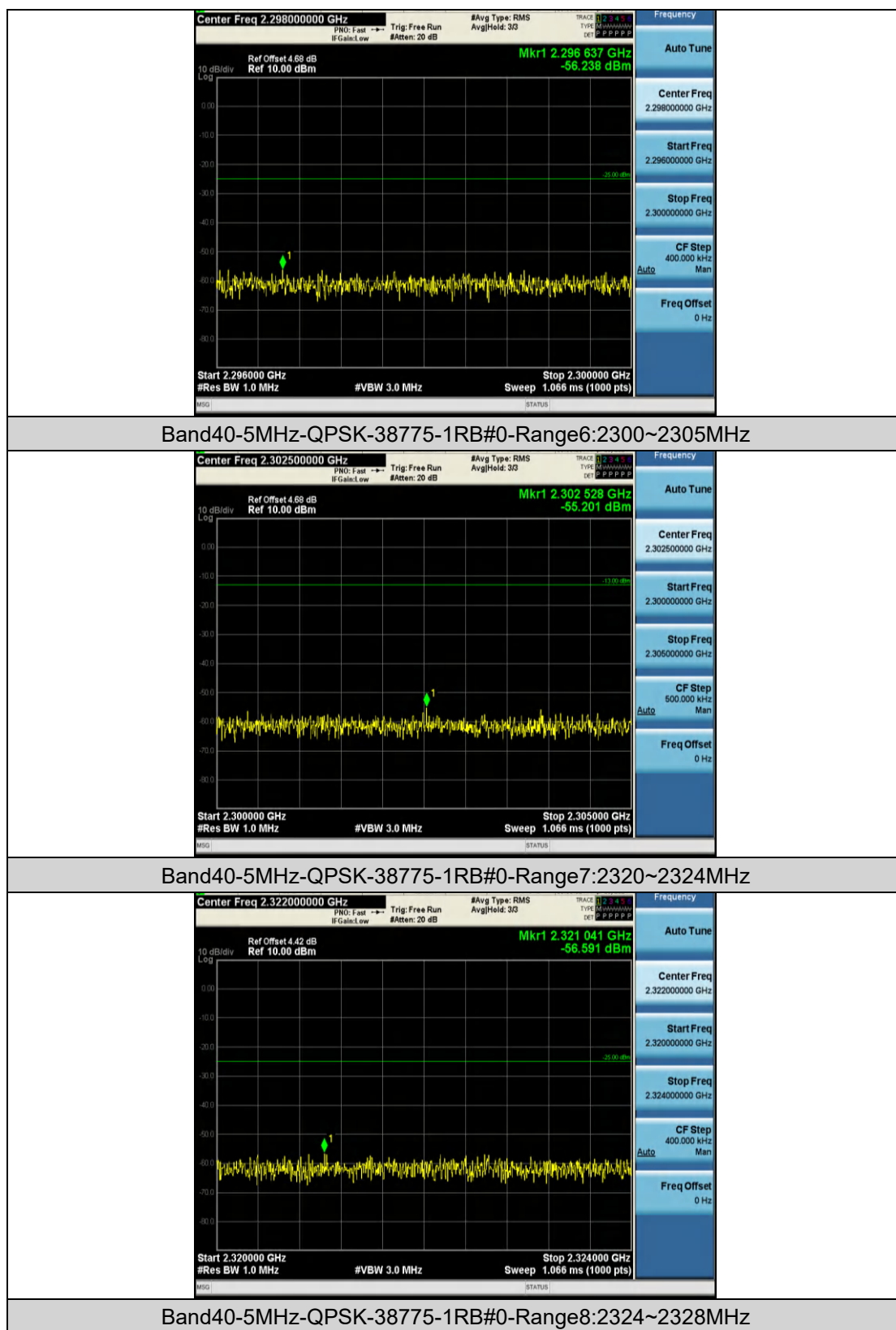


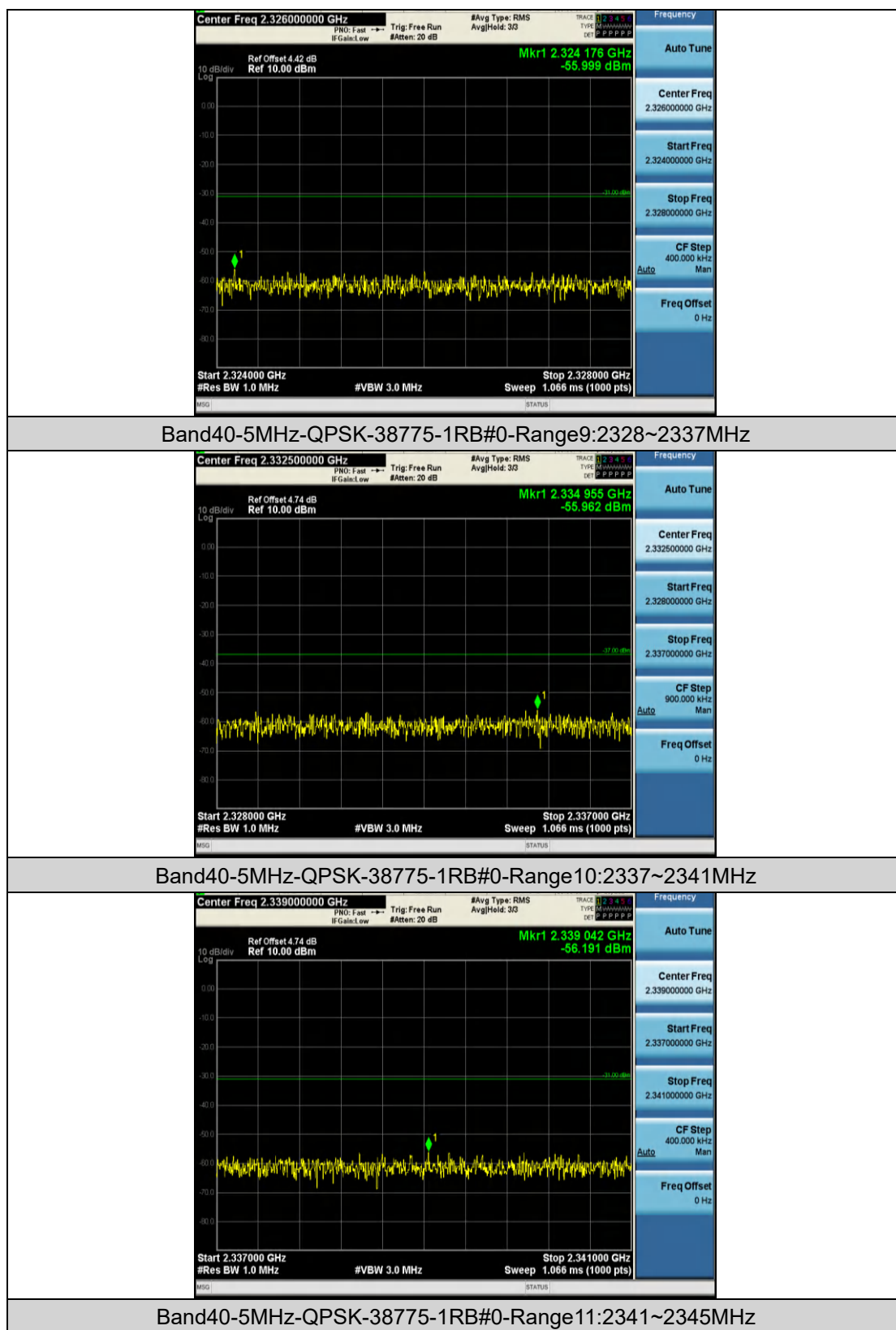


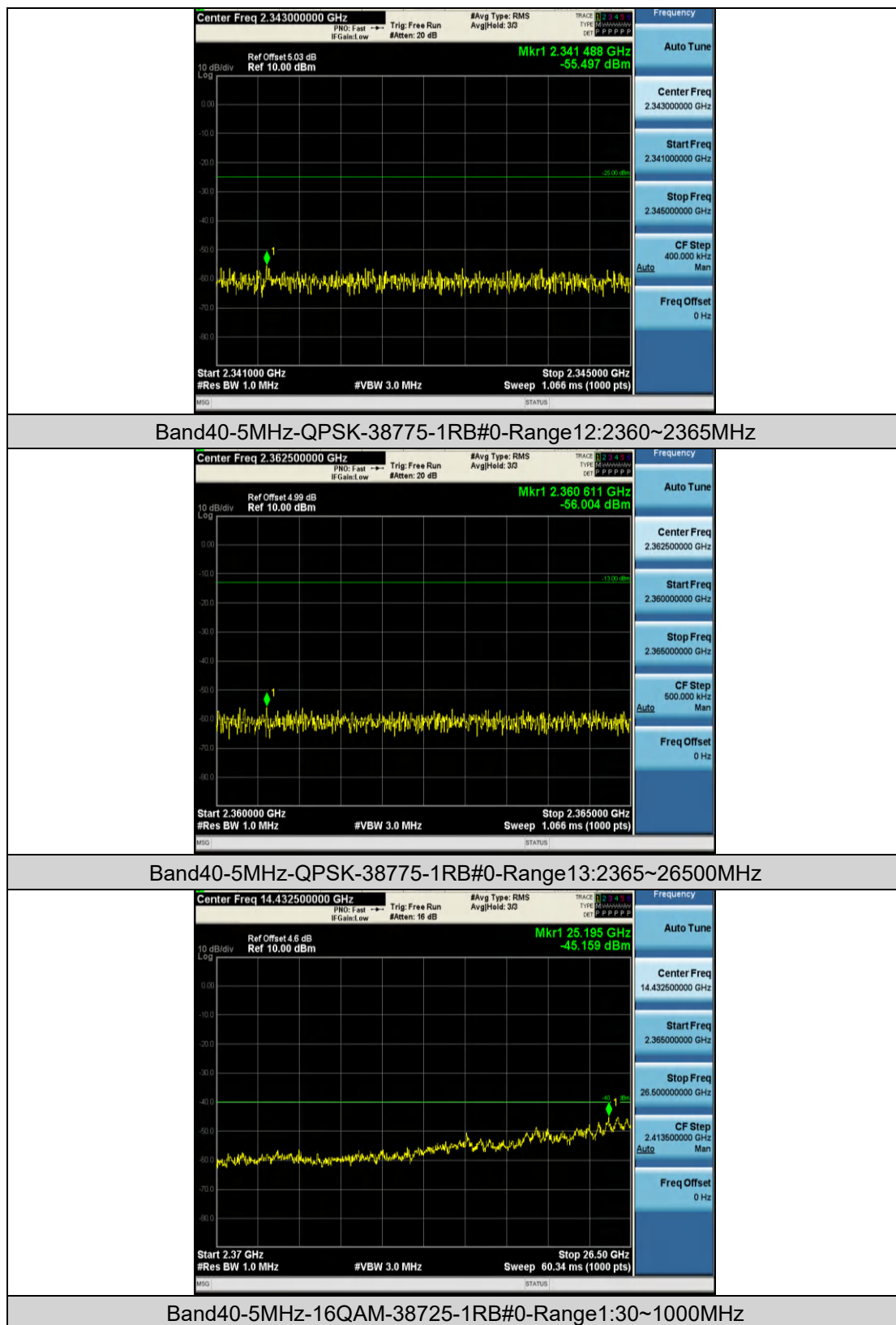


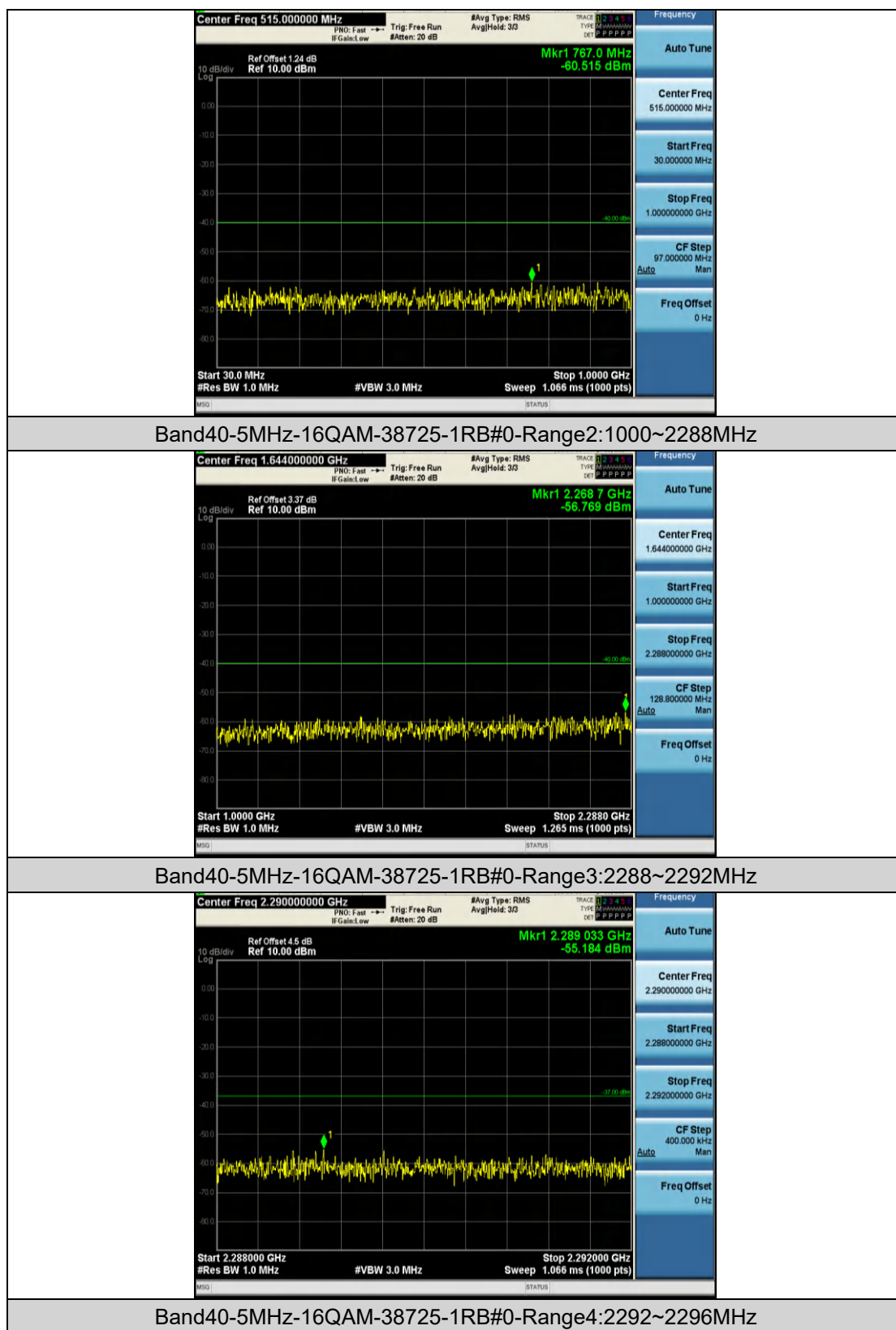


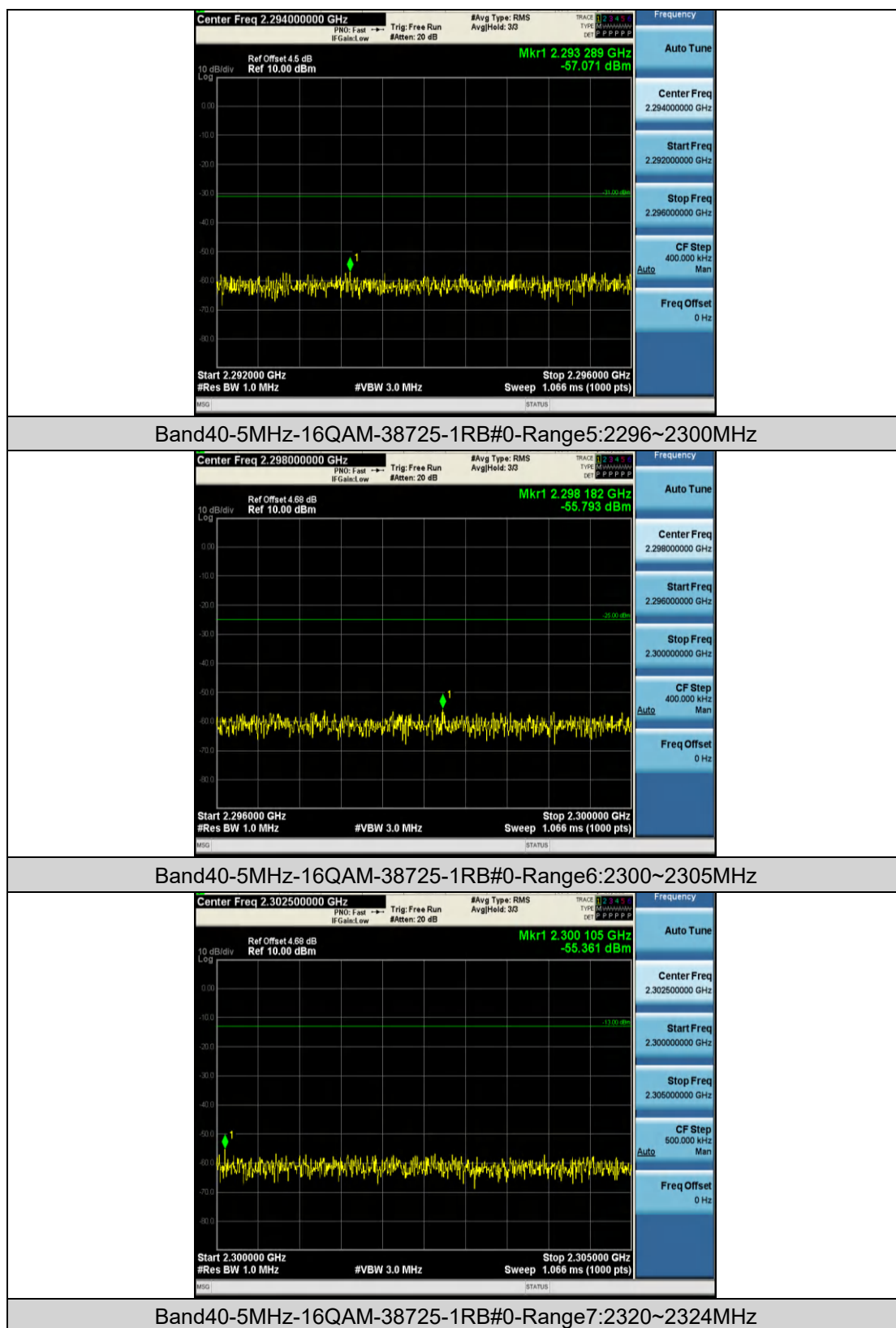


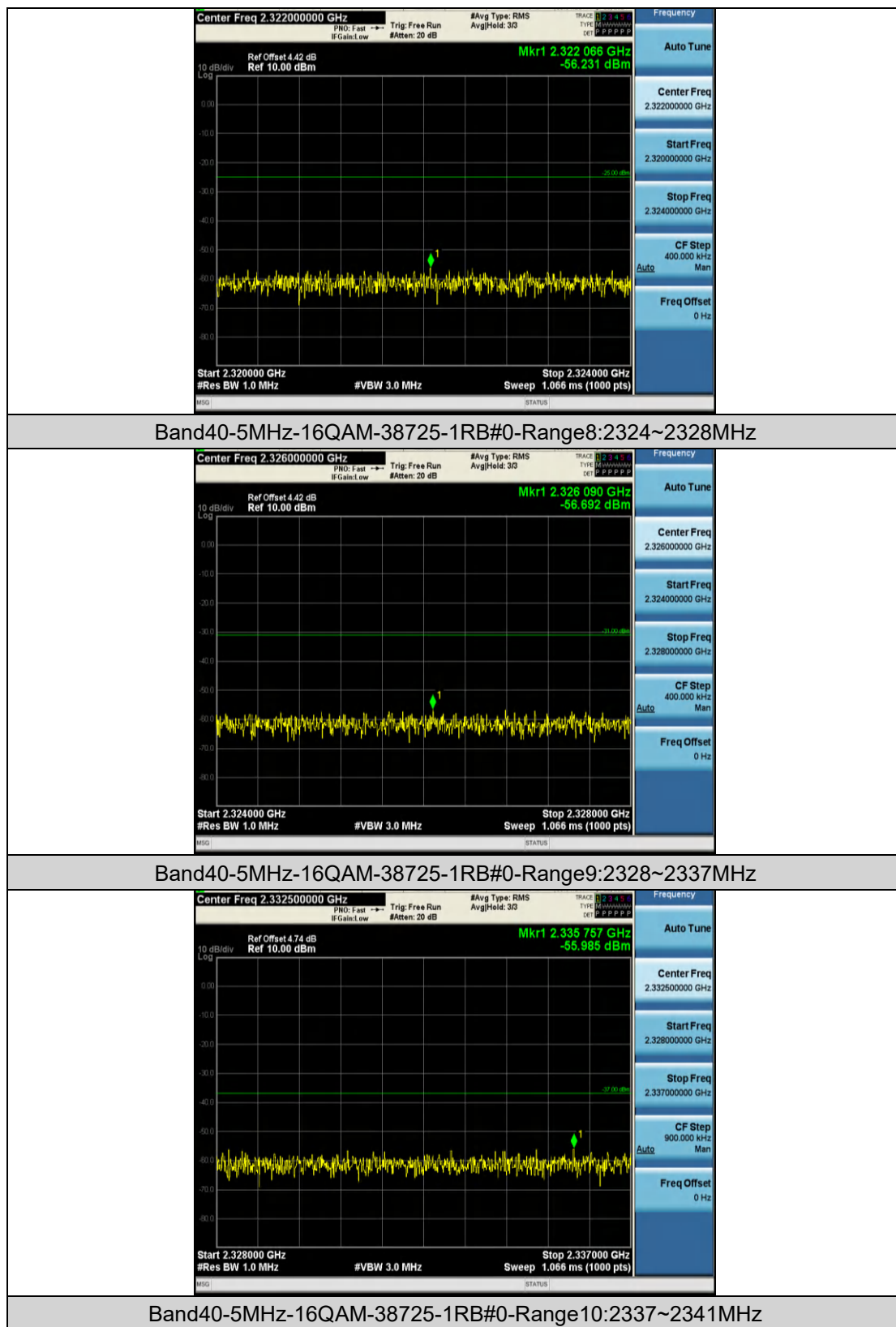


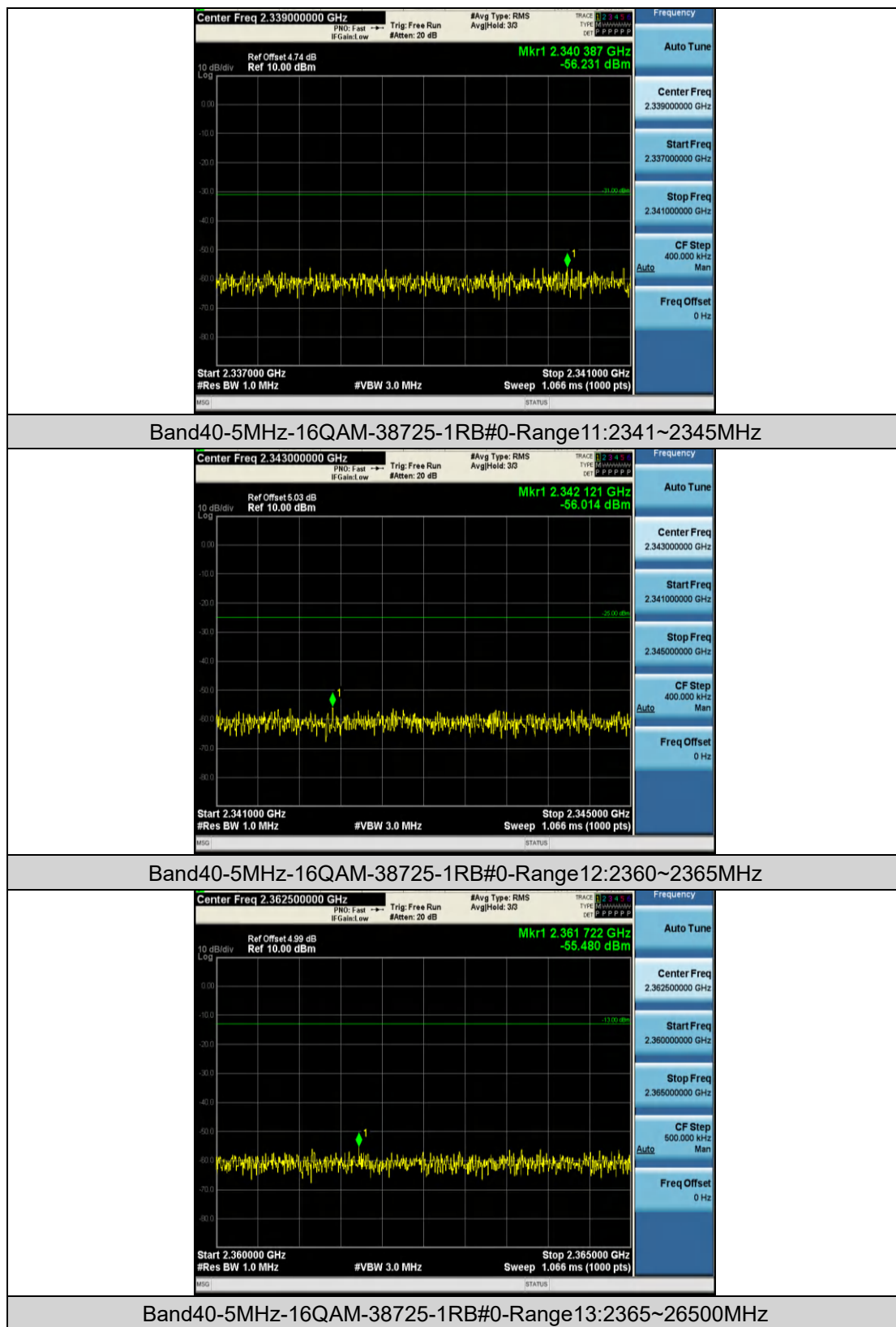


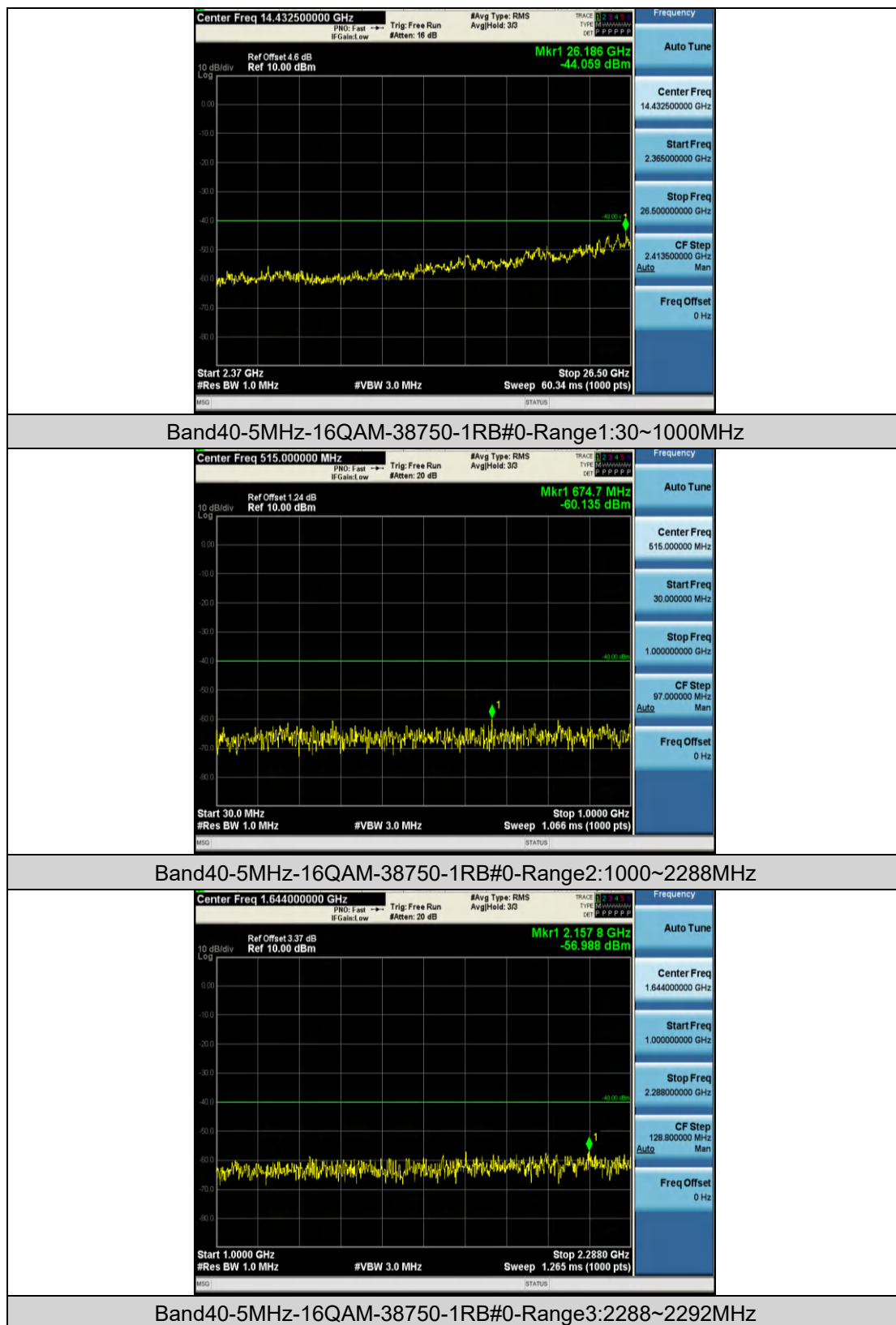


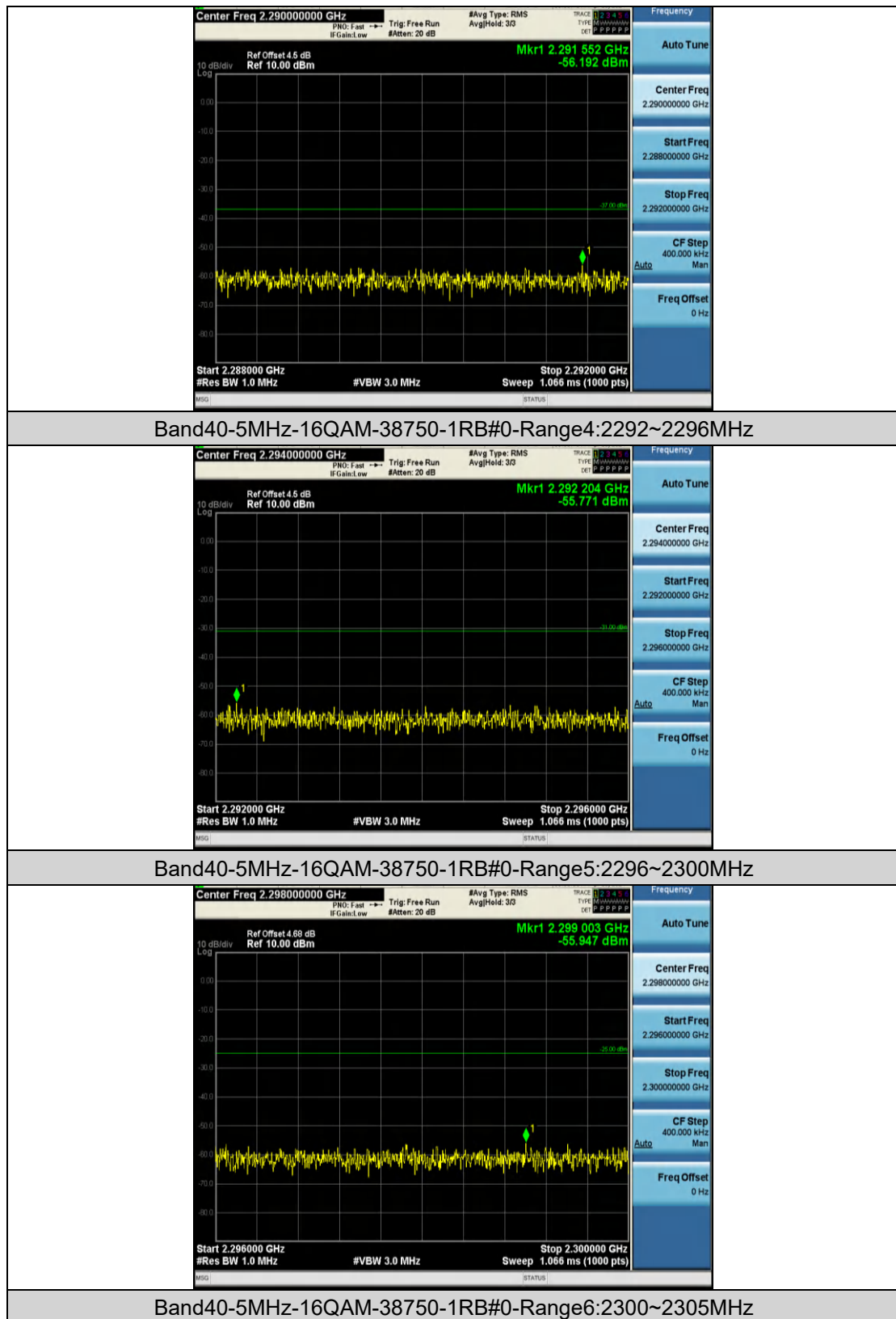


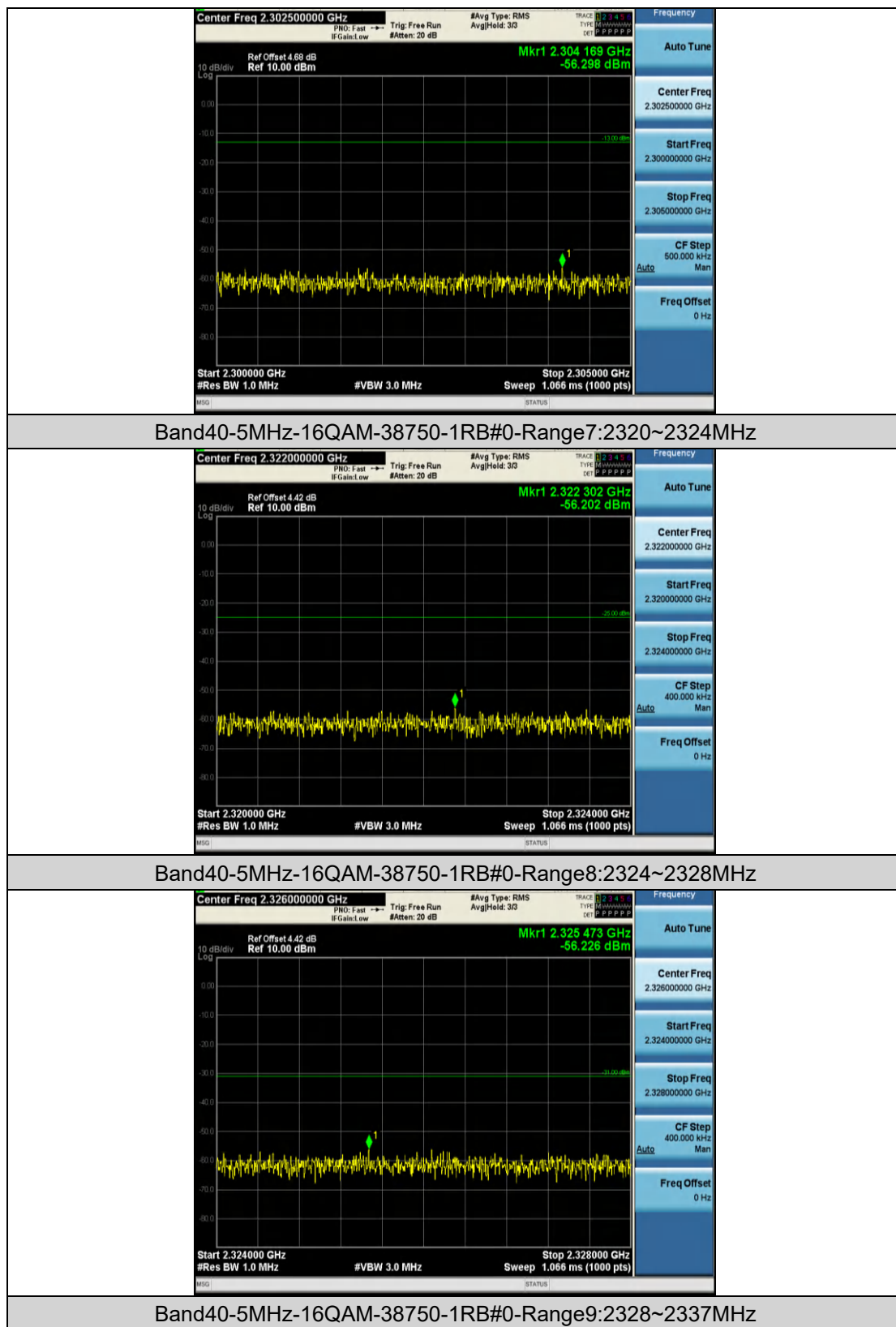


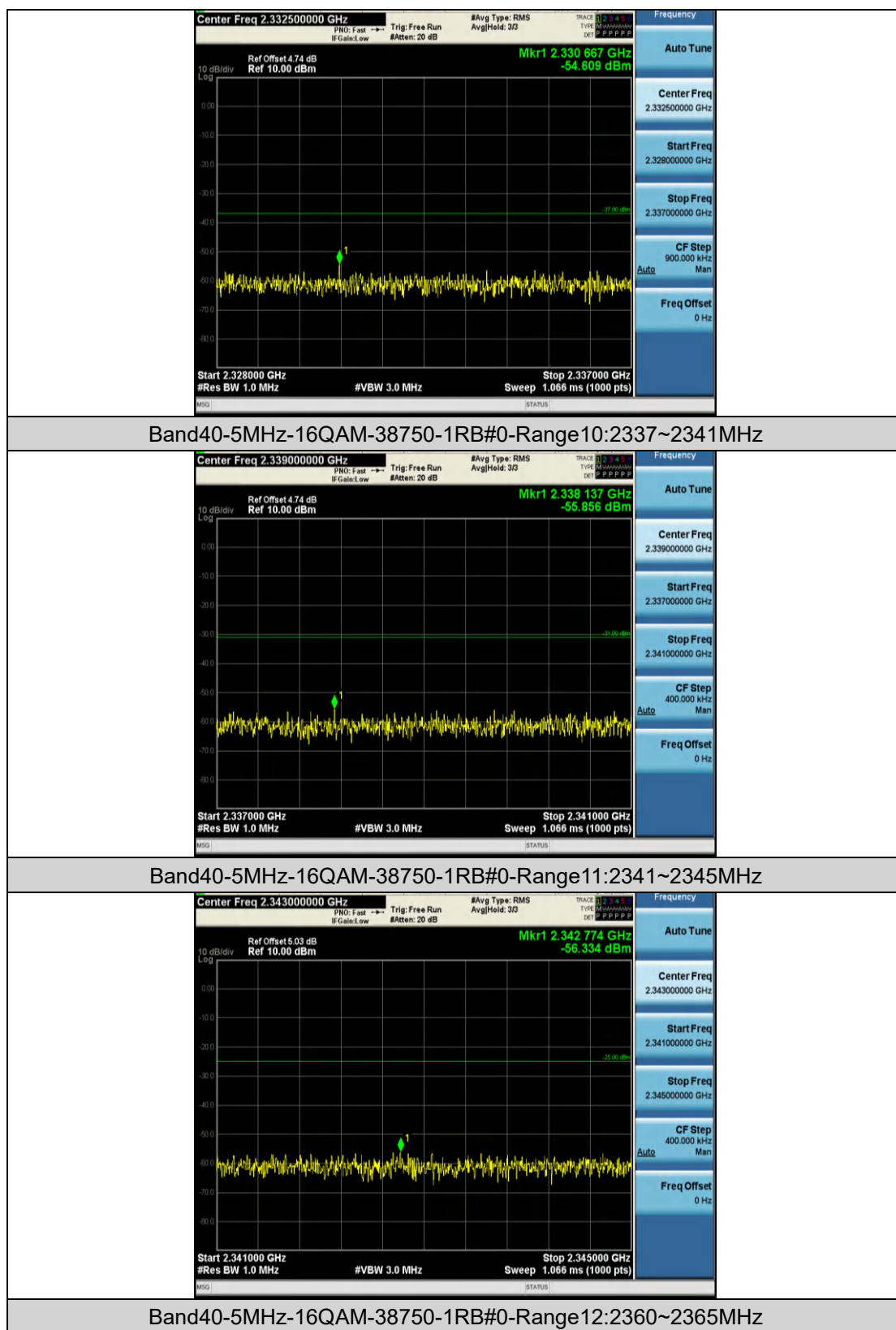


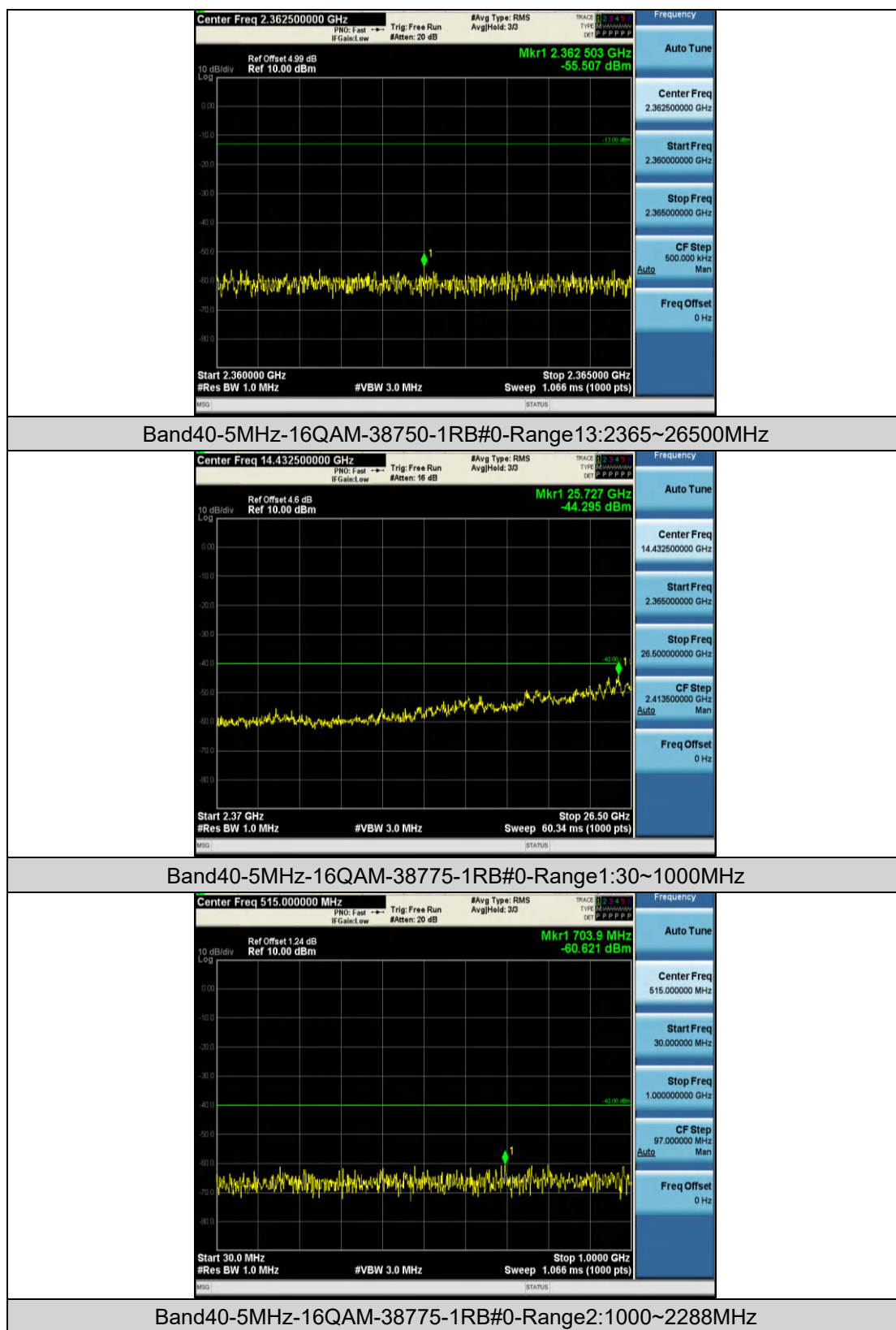


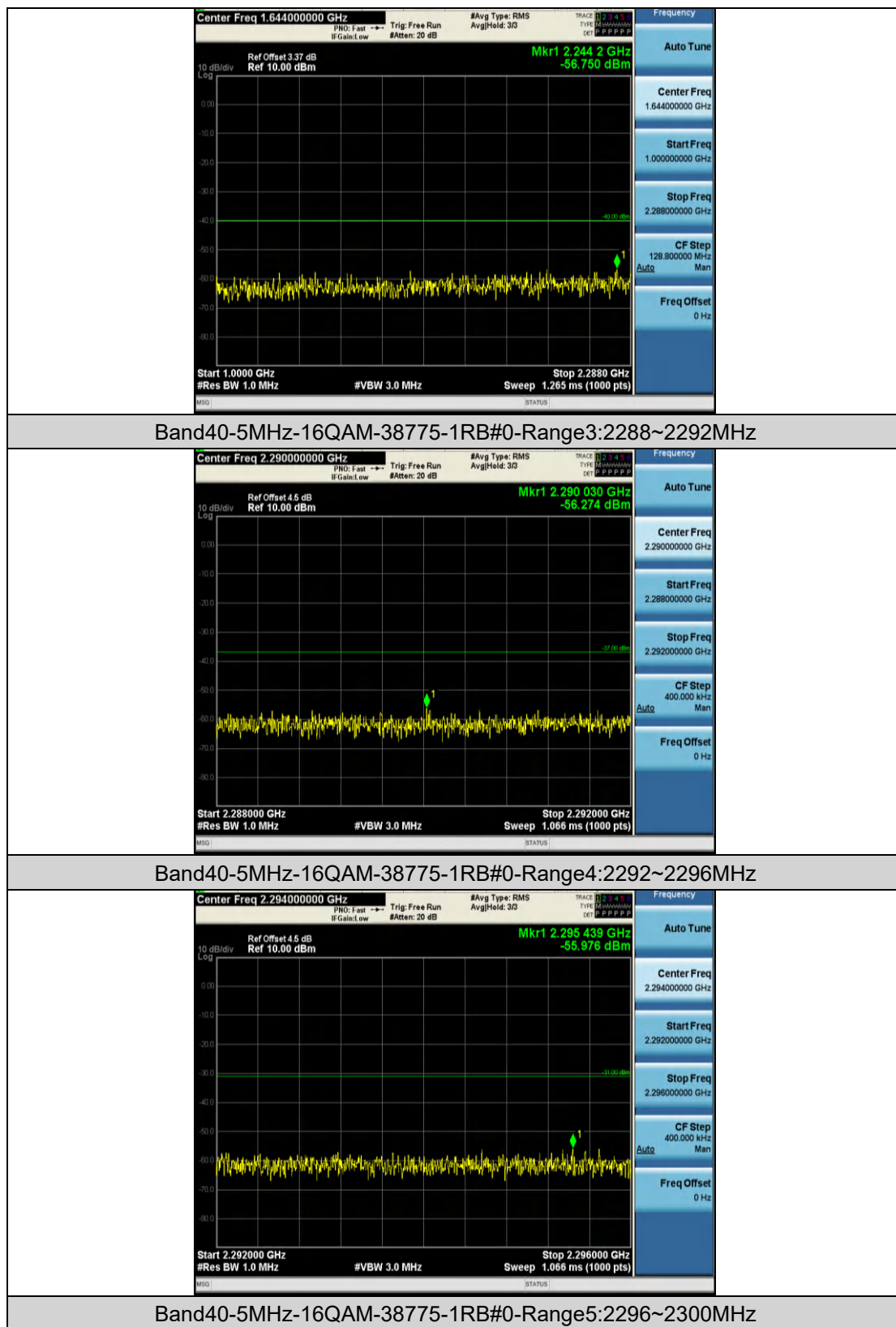


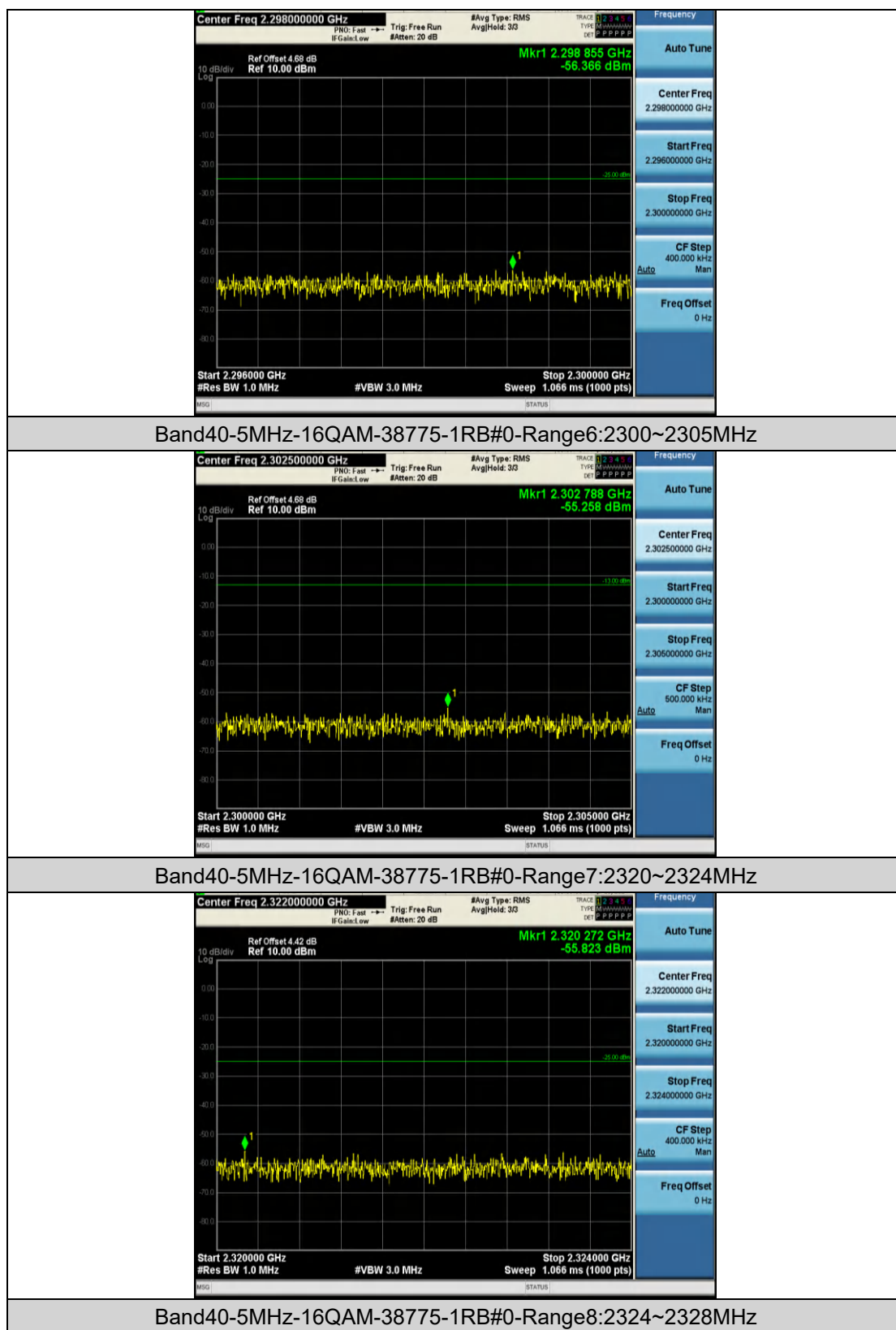


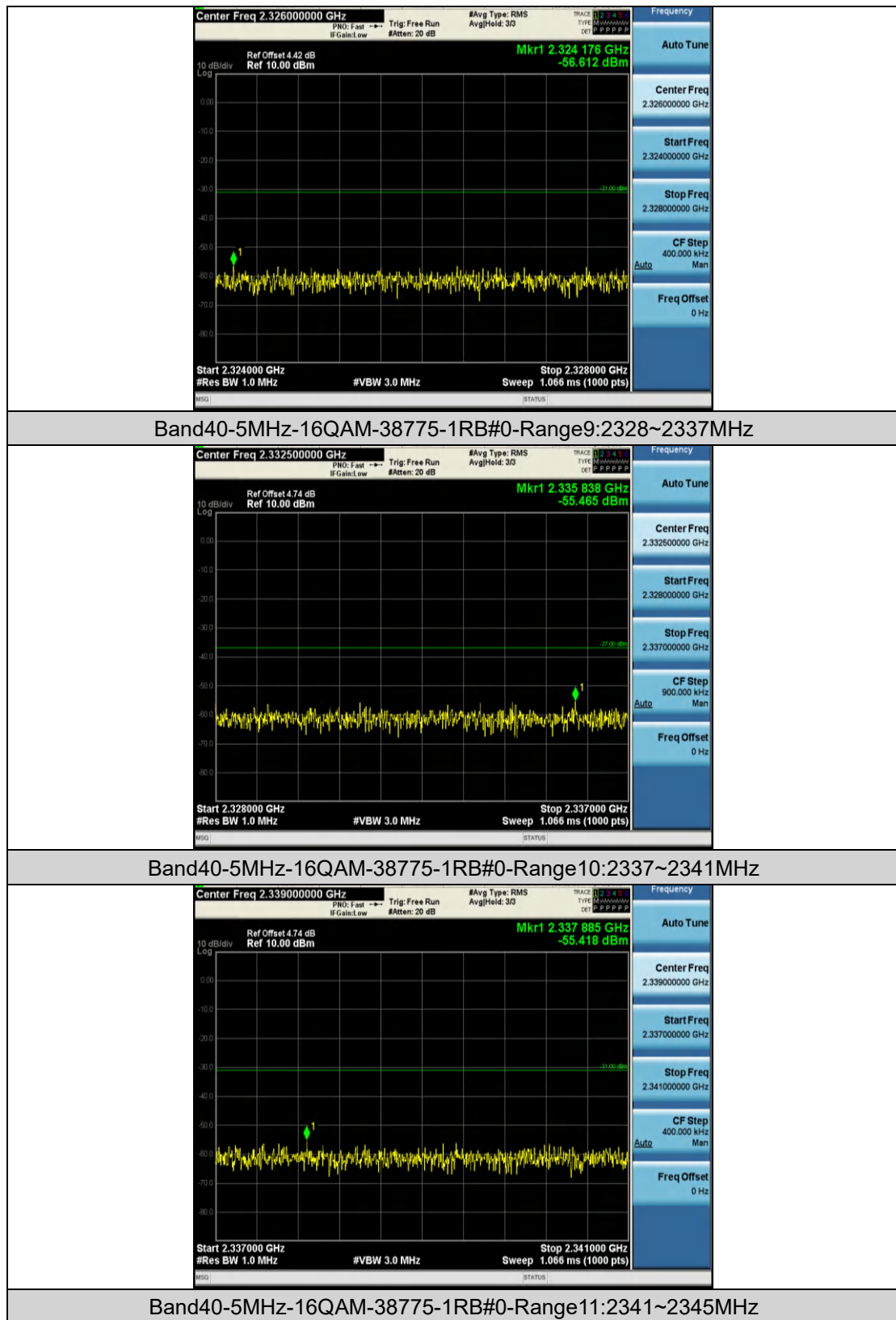


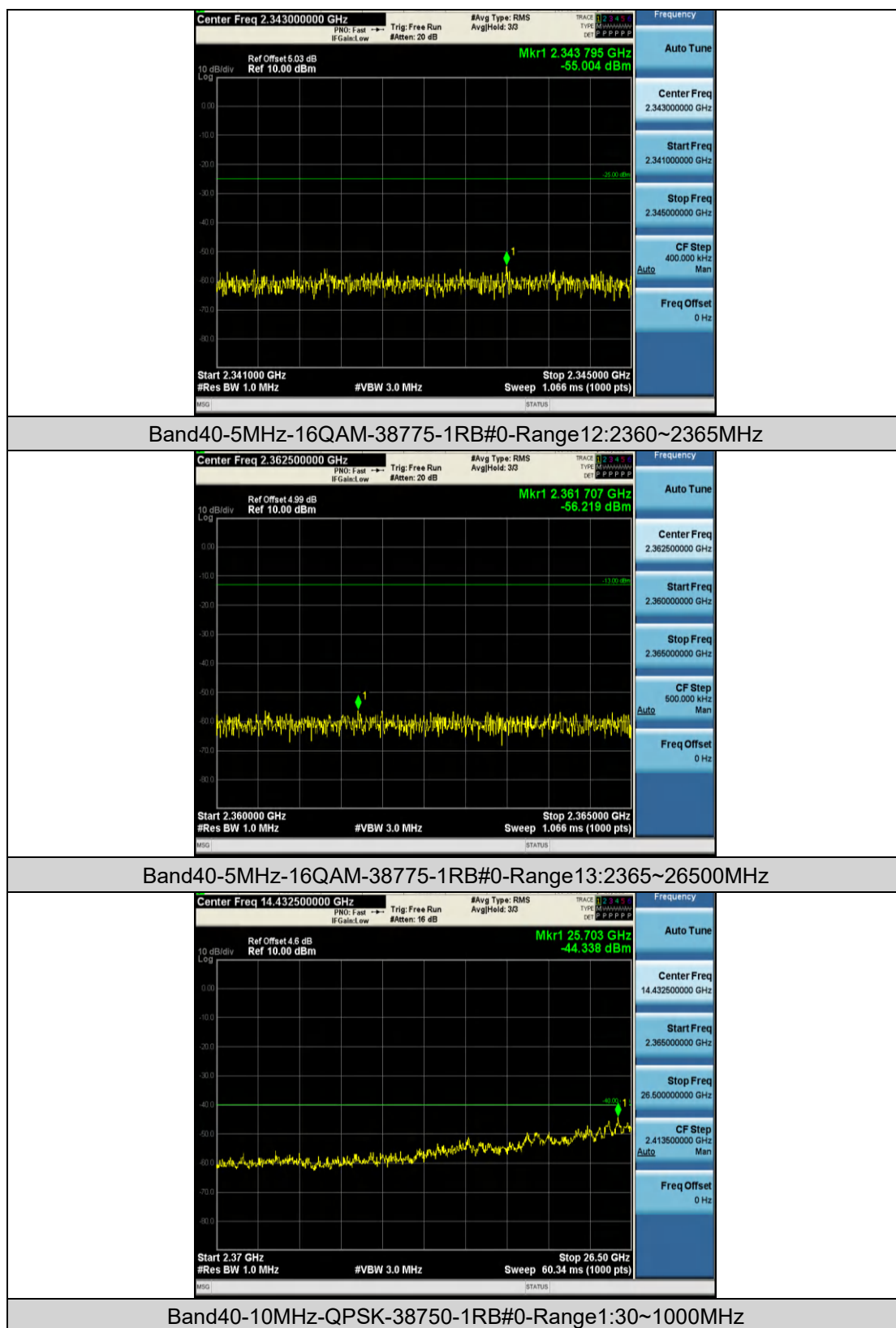


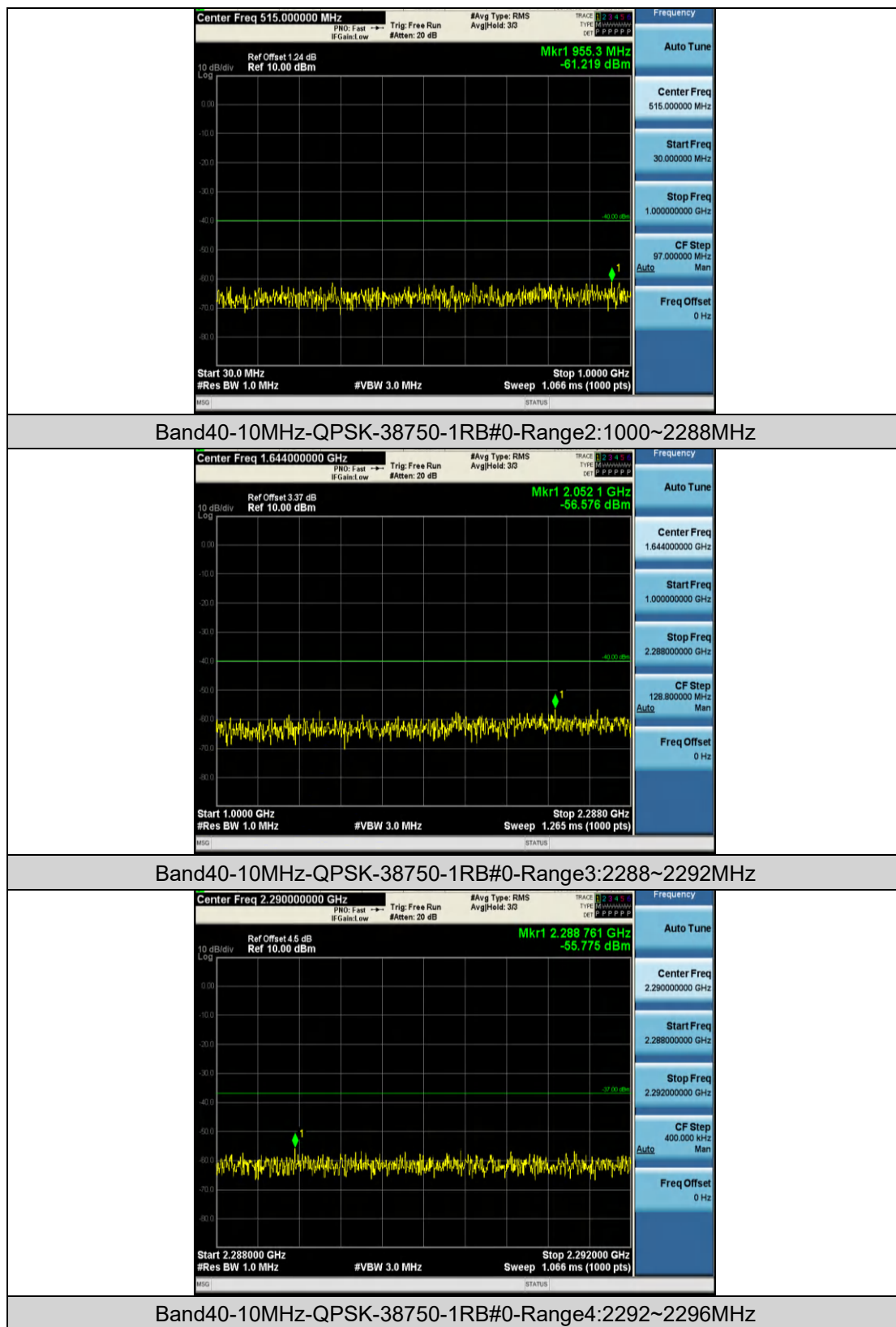


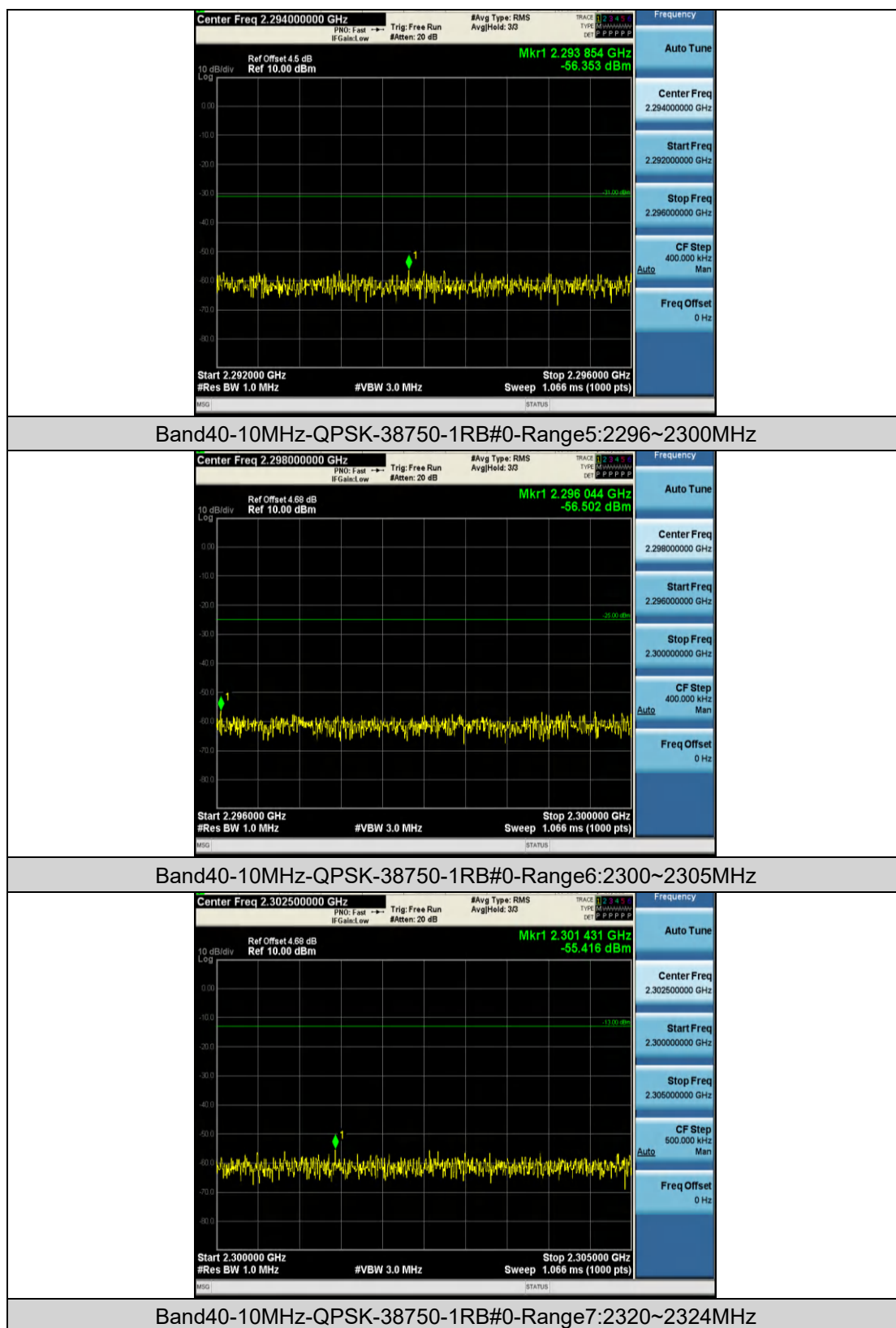


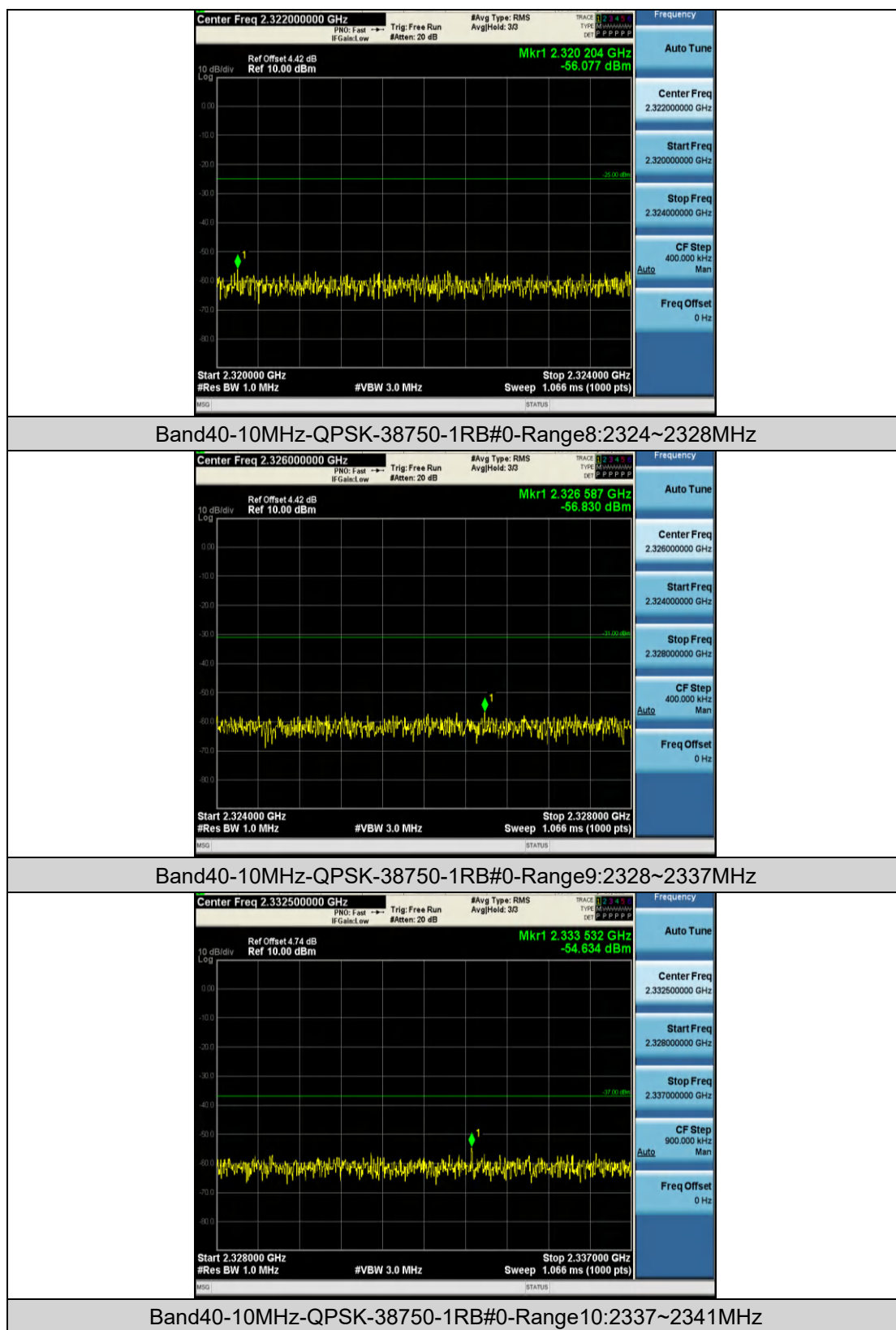


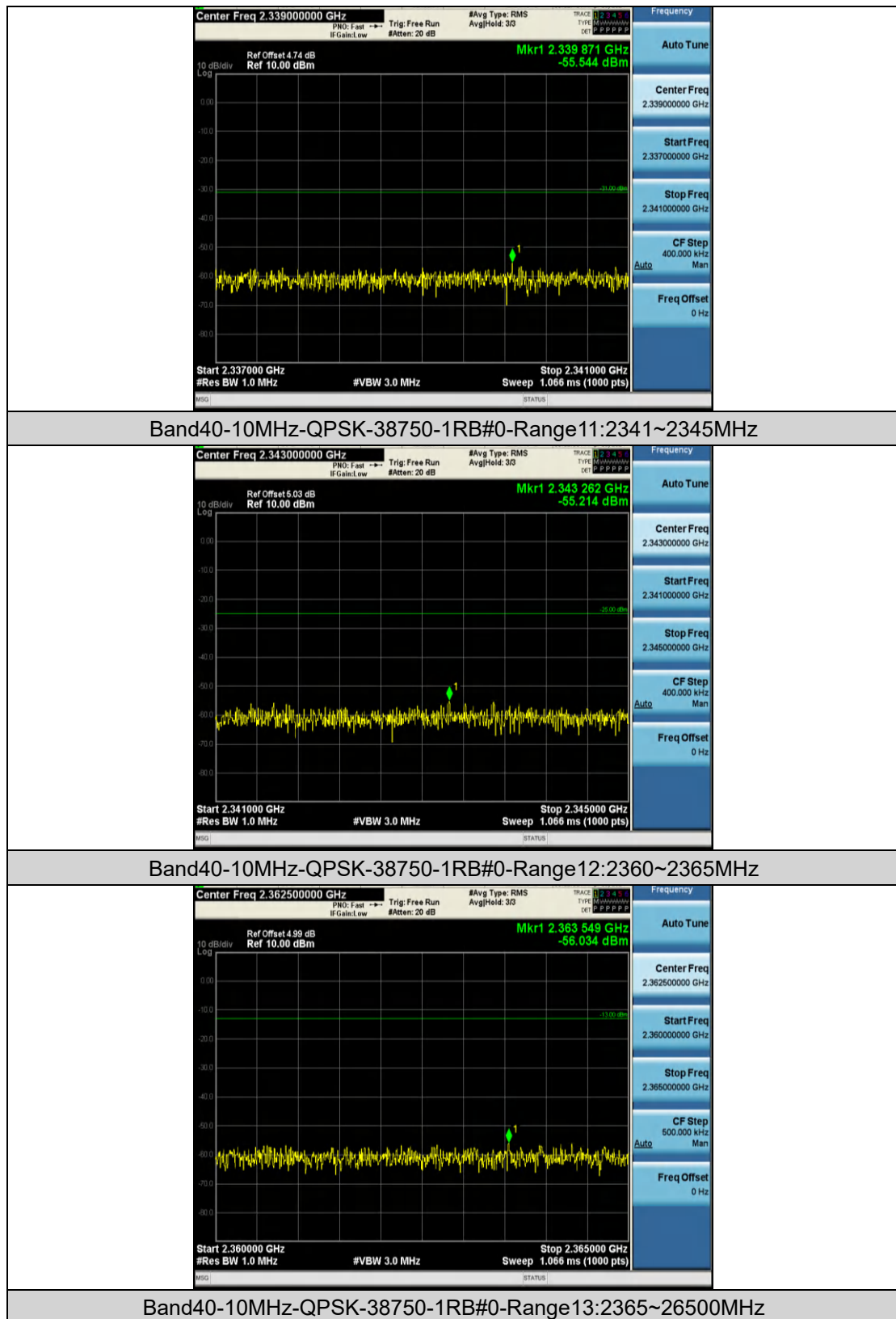


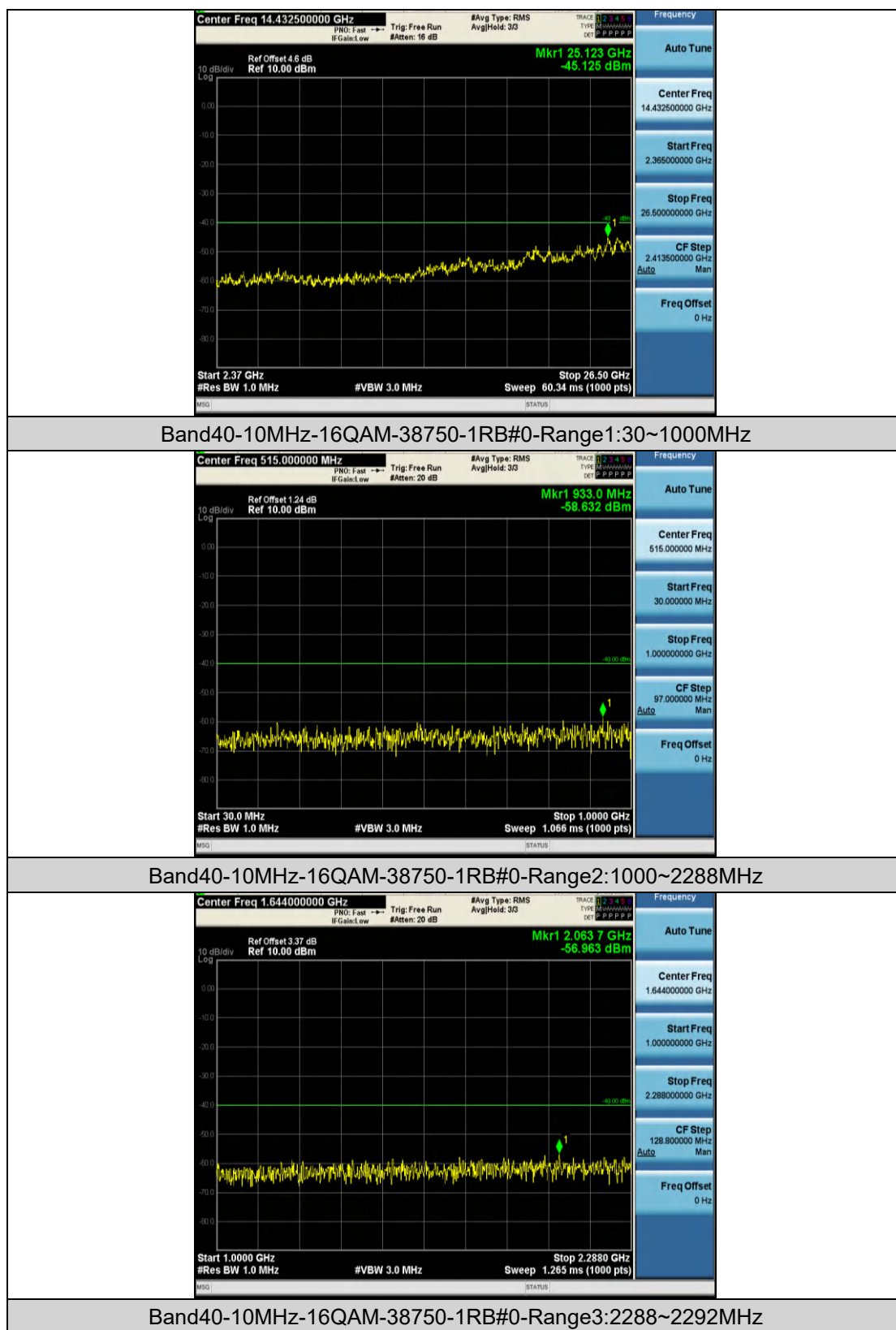


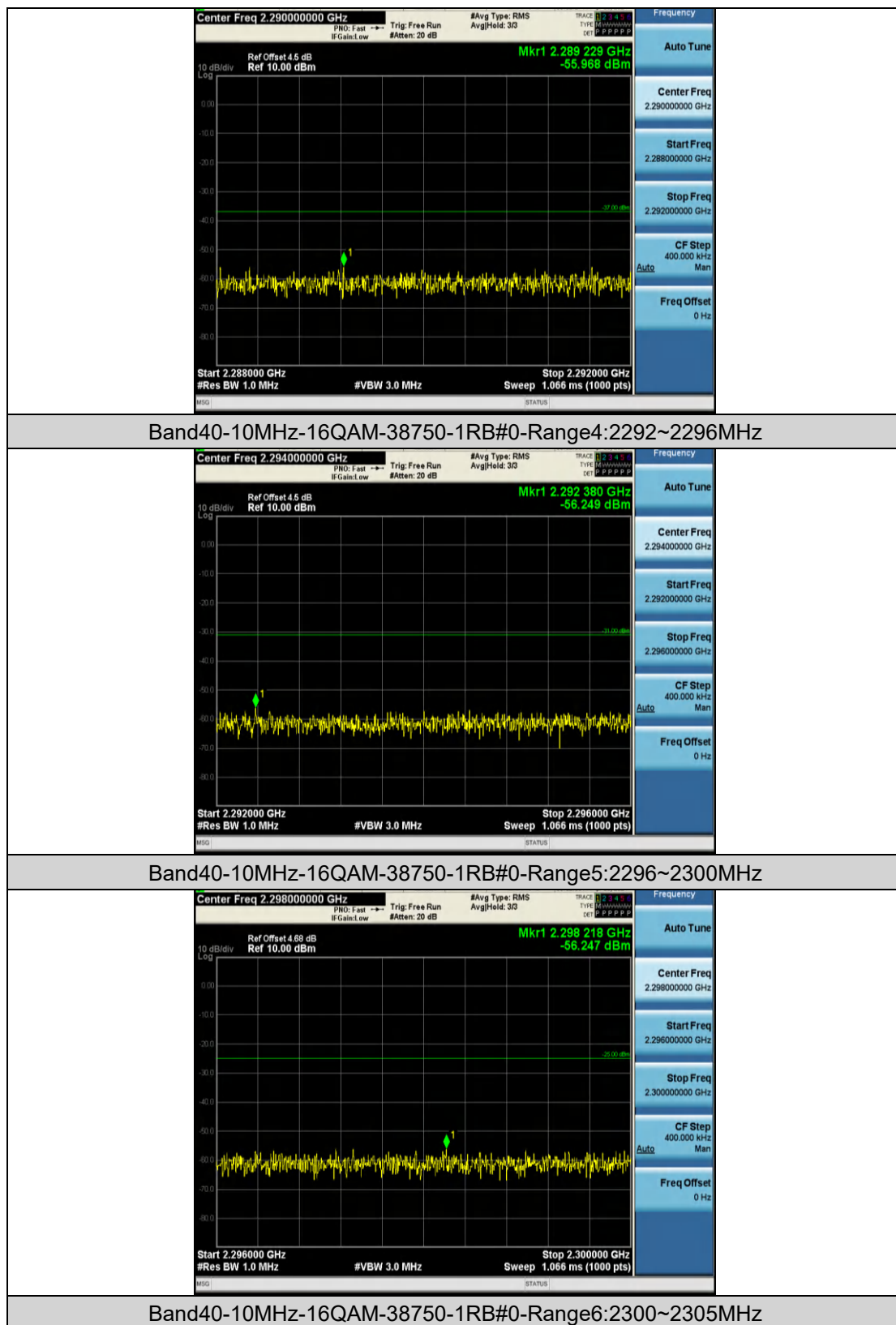


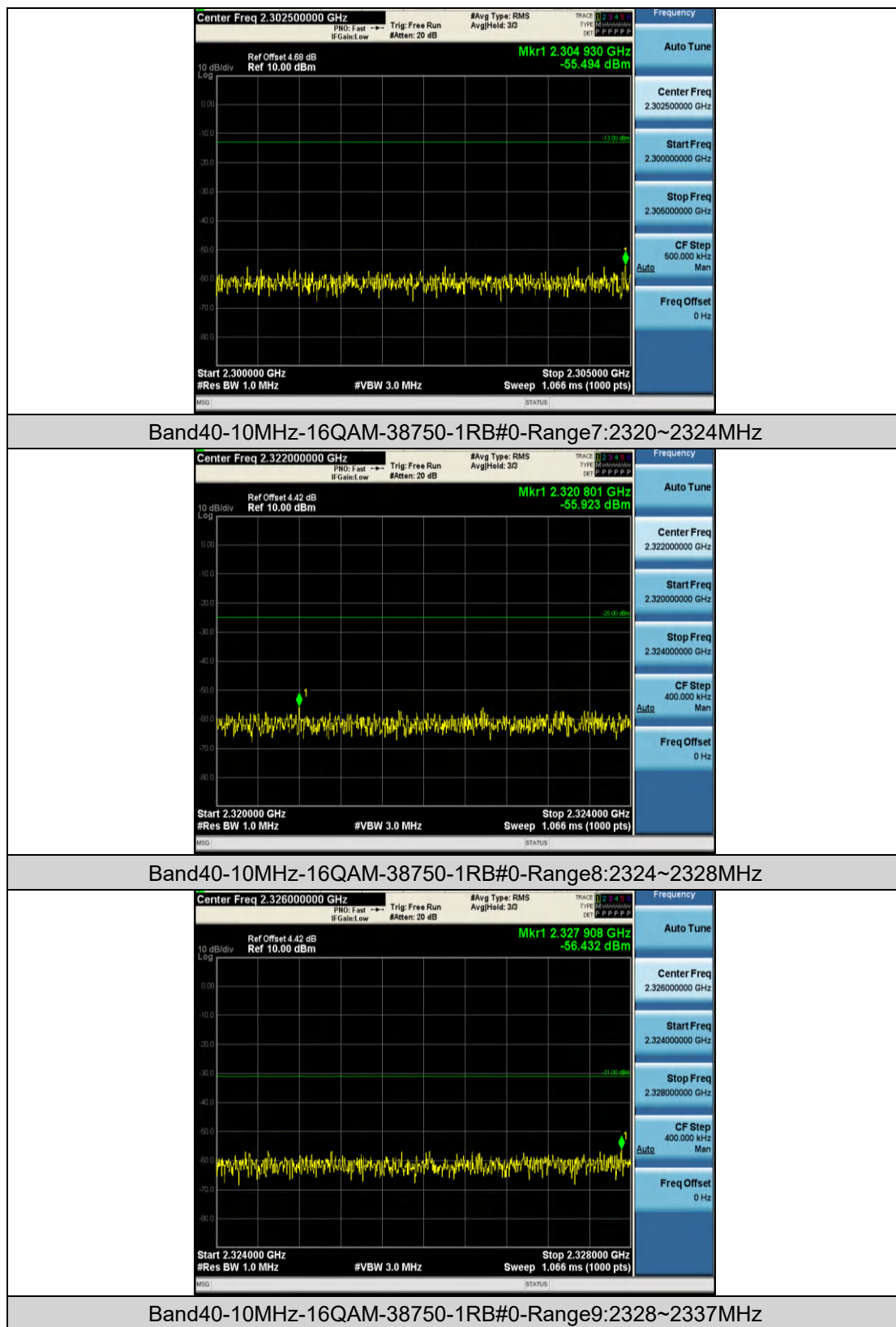


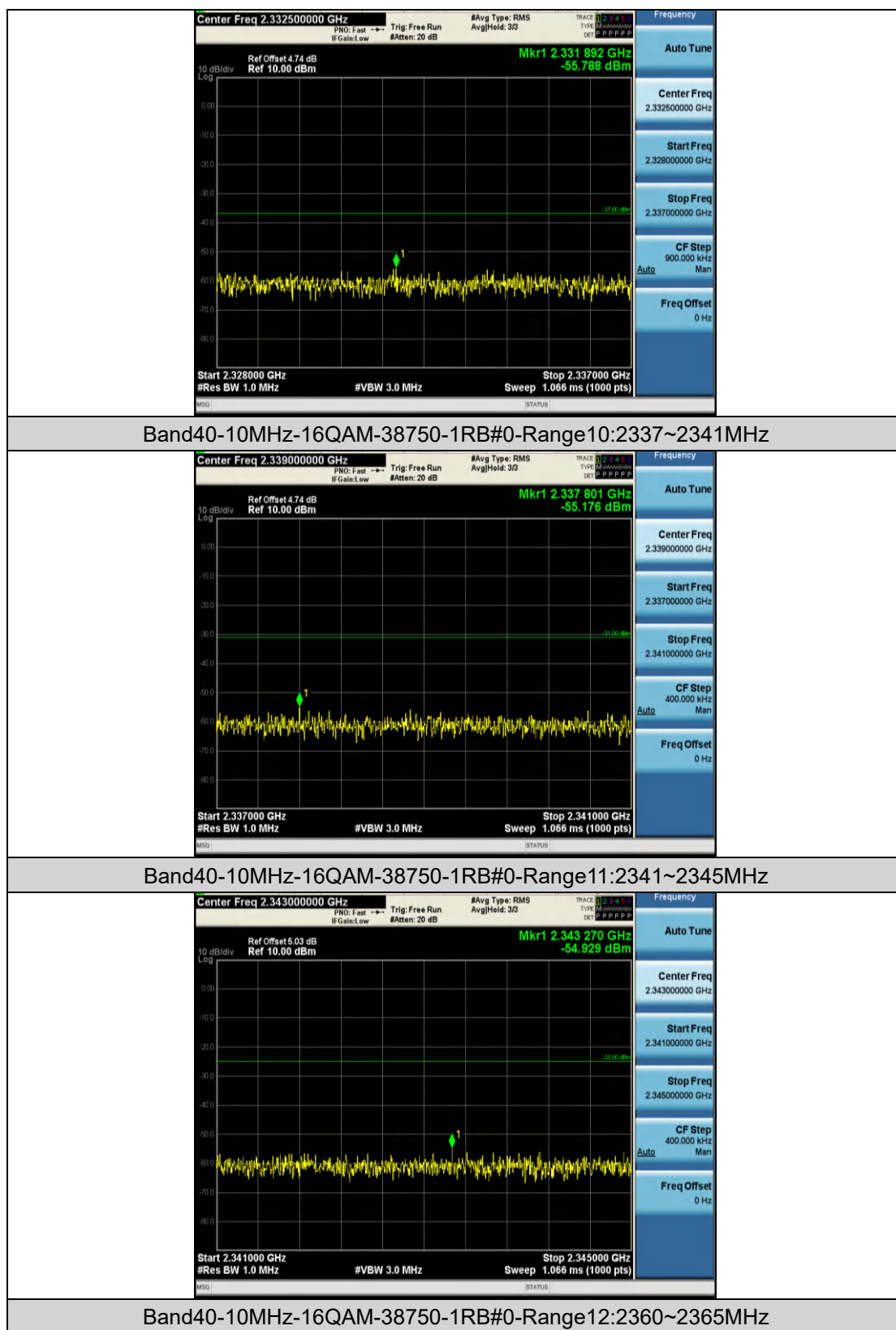


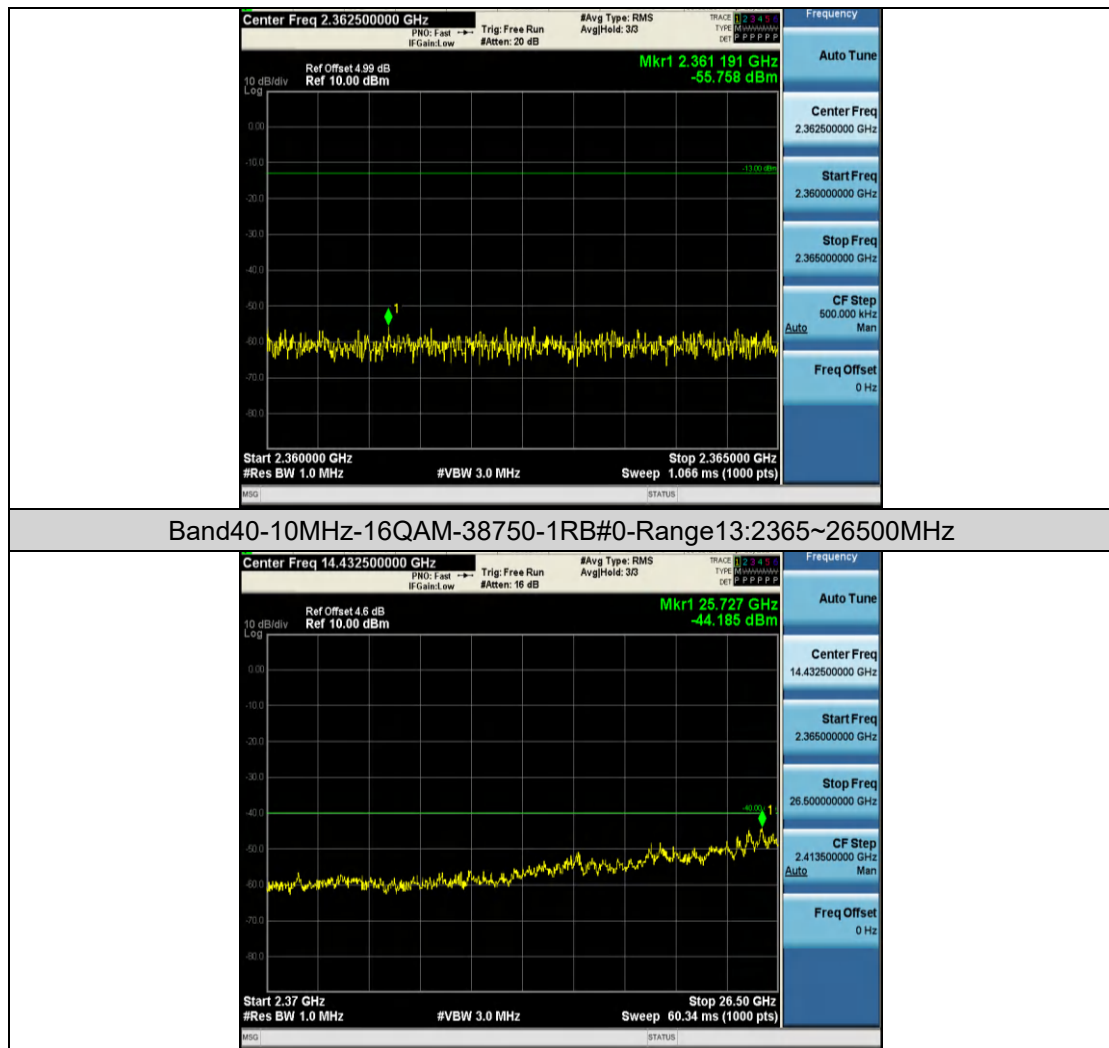












Appendix F: Frequency Stability

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	23.61	0.010232	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	VL	NT	8.45	0.003662	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	VH	NT	-17.99	-0.007796	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	VN	NT	4.36	0.001889	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	VL	NT	-9.02	-0.003909	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	VH	NT	-18.41	-0.007978	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	VN	NT	18.46	0.007991	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	VL	NT	21.91	0.009485	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	VH	NT	25.68	0.011117	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	VN	NT	-23.88	-0.010338	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	VL	NT	-25.39	-0.010991	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	VH	NT	-31.09	-0.013459	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	VN	NT	18.75	0.008108	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	VL	NT	19.14	0.008277	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38775	25RB#0	VH	NT	10.88	0.004705	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	VN	NT	-47.31	-0.020458	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	VL	NT	-45.94	-0.019866	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38775	25RB#0	VH	NT	-46.89	-0.020277	±2.5	PASS

40(2305-2315)	10MHz	QPSK	38750	50RB#0	VN	NT	-29.27	-0.012671	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	VL	NT	-54.15	-0.023442	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	VH	NT	-13.62	-0.005896	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	VN	NT	-52.52	-0.022736	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	VL	NT	-52.04	-0.022528	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	VH	NT	-9.03	-0.003909	±2.5	PASS

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	-34.48	-0.014943	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-20	-44.40	-0.019242	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-10	-12.10	-0.005244	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	0	-19.80	-0.008581	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	10	-30.13	-0.013057	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	20	-36.41	-0.015779	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	30	-39.93	-0.017304	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	40	-50.97	-0.022089	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38725	25RB#0	NV	50	-55.54	-0.024069	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	-30	-22.12	-0.009586	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	-20	-26.34	-0.011415	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	-10	-33.37	-0.014462	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	0	-35.36	-0.015324	±2.5	PASS

40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	10	-38.69	-0.016767	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	20	-43.71	-0.018943	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	30	-48.68	-0.021096	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	40	-56.35	-0.024420	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38725	25RB#0	NV	50	-56.13	-0.024325	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	-30	21.10	0.009134	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	-20	12.97	0.005615	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	-10	2.34	0.001013	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	0	-6.07	-0.002628	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	10	-9.13	-0.003952	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	20	-16.96	-0.007342	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	30	-12.42	-0.005377	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	40	-14.56	-0.006303	±2.5	PASS
40(2305-2315)	5MHz	QPSK	38750	25RB#0	NV	50	-17.12	-0.007411	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	-30	-29.39	-0.012723	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	-20	-37.50	-0.016234	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	-10	-41.26	-0.017861	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	0	-42.98	-0.018606	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	10	-50.60	-0.021905	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	20	-49.42	-0.021394	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	30	-52.56	-0.022753	±2.5	PASS
40(2305-2315)	5MHz	16QAM	38750	25RB#0	NV	40	-54.00	-0.023377	±2.5	PASS

-2315)										
40(2305 -2315)	5MHz	16QAM	38750	25RB#0	NV	50	-50.44	-0.021835	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	-30	8.03	0.003472	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	-20	-10.16	-0.004394	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	-10	-12.95	-0.005600	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	0	-13.22	-0.005717	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	10	-21.30	-0.009211	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	20	-23.72	-0.010257	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	30	-27.96	-0.012091	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	40	-31.24	-0.013509	±2.5	PASS
40(2305 -2315)	5MHz	QPSK	38775	25RB#0	NV	50	-36.62	-0.015836	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	-30	-42.27	-0.018279	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	-20	-45.09	-0.019498	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	-10	-41.30	-0.017859	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	0	-39.74	-0.017185	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	10	-40.24	-0.017401	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	20	-36.30	-0.015697	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	30	-30.21	-0.013064	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	40	-33.50	-0.014486	±2.5	PASS
40(2305 -2315)	5MHz	16QAM	38775	25RB#0	NV	50	-29.01	-0.012545	±2.5	PASS
40(2305 -2315)	10MHz	QPSK	38750	50RB#0	NV	-30	-30.64	-0.013264	±2.5	PASS
40(2305 -2315)	10MHz	QPSK	38750	50RB#0	NV	-20	-49.04	-0.021229	±2.5	PASS

40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	-10	-18.81	-0.008143	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	0	-37.22	-0.016113	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	10	-54.63	-0.023649	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	20	-8.11	-0.003511	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	30	-20.80	-0.009004	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	40	-30.68	-0.013281	±2.5	PASS
40(2305-2315)	10MHz	QPSK	38750	50RB#0	NV	50	-39.92	-0.017281	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	-30	-10.74	-0.004649	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	-20	-6.94	-0.003004	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	-10	-11.37	-0.004922	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	0	-9.86	-0.004268	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	10	-16.15	-0.006991	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	20	-20.11	-0.008706	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	30	-25.10	-0.010866	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	40	-29.21	-0.012645	±2.5	PASS
40(2305-2315)	10MHz	16QAM	38750	50RB#0	NV	50	-36.40	-0.015758	±2.5	PASS