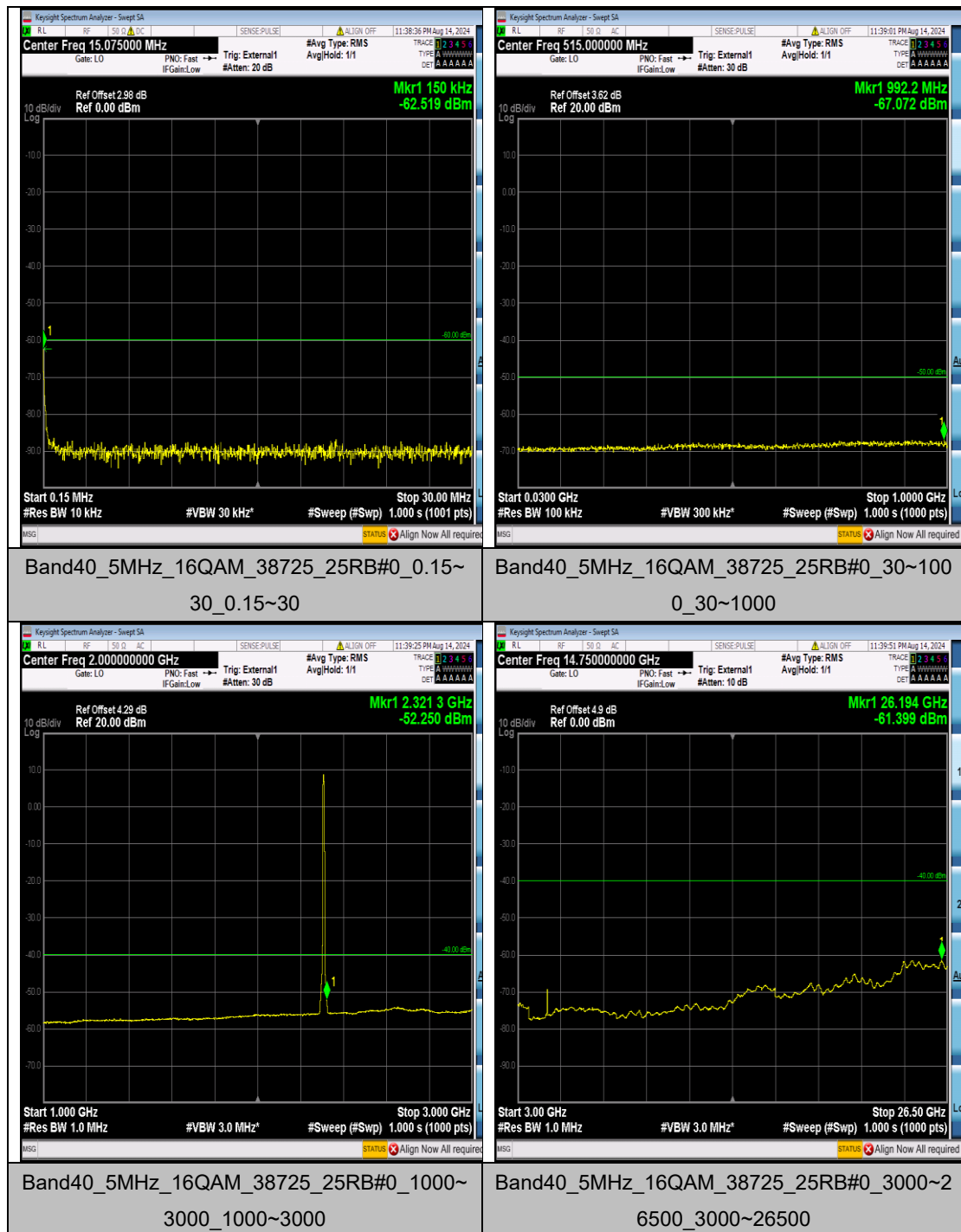
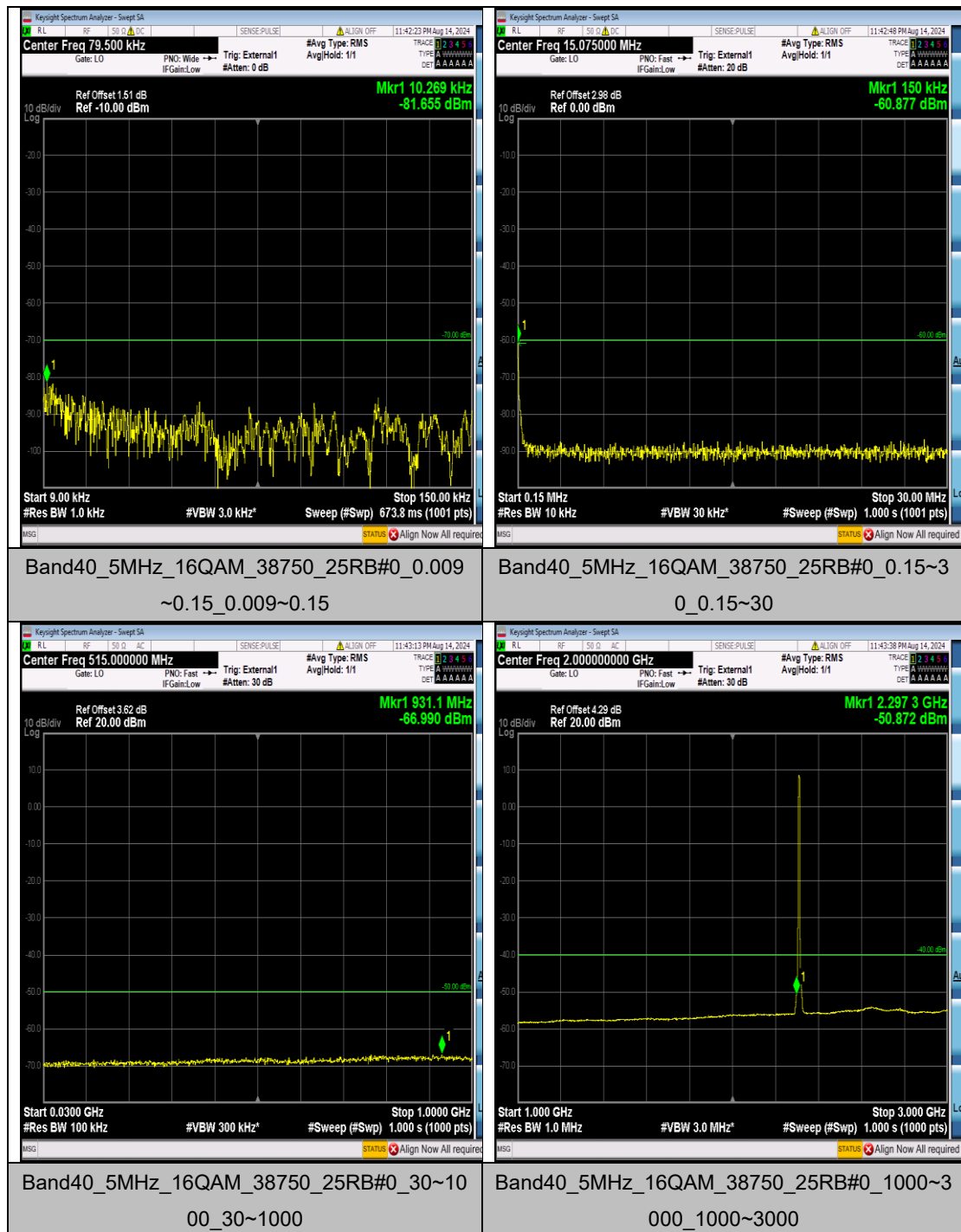
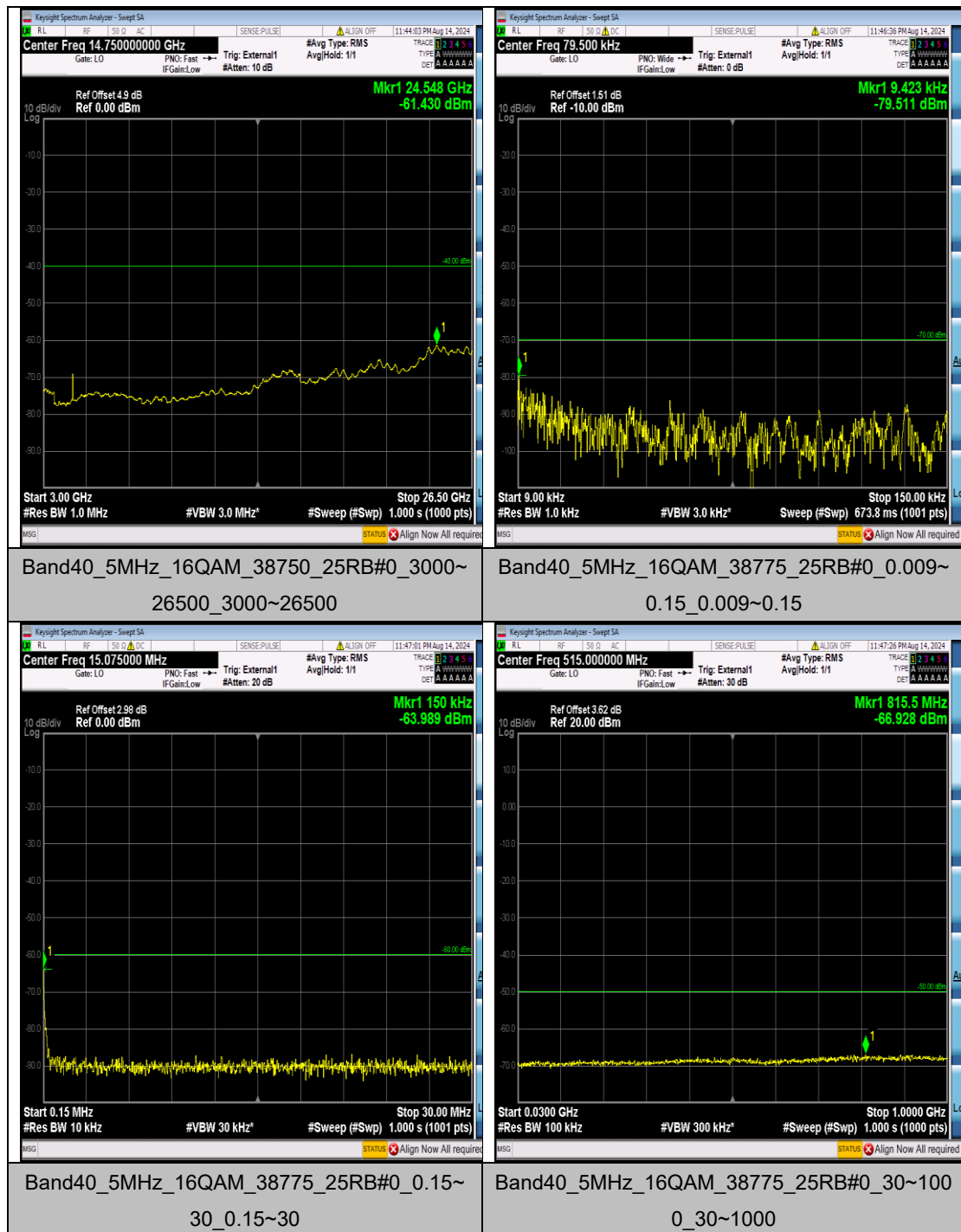
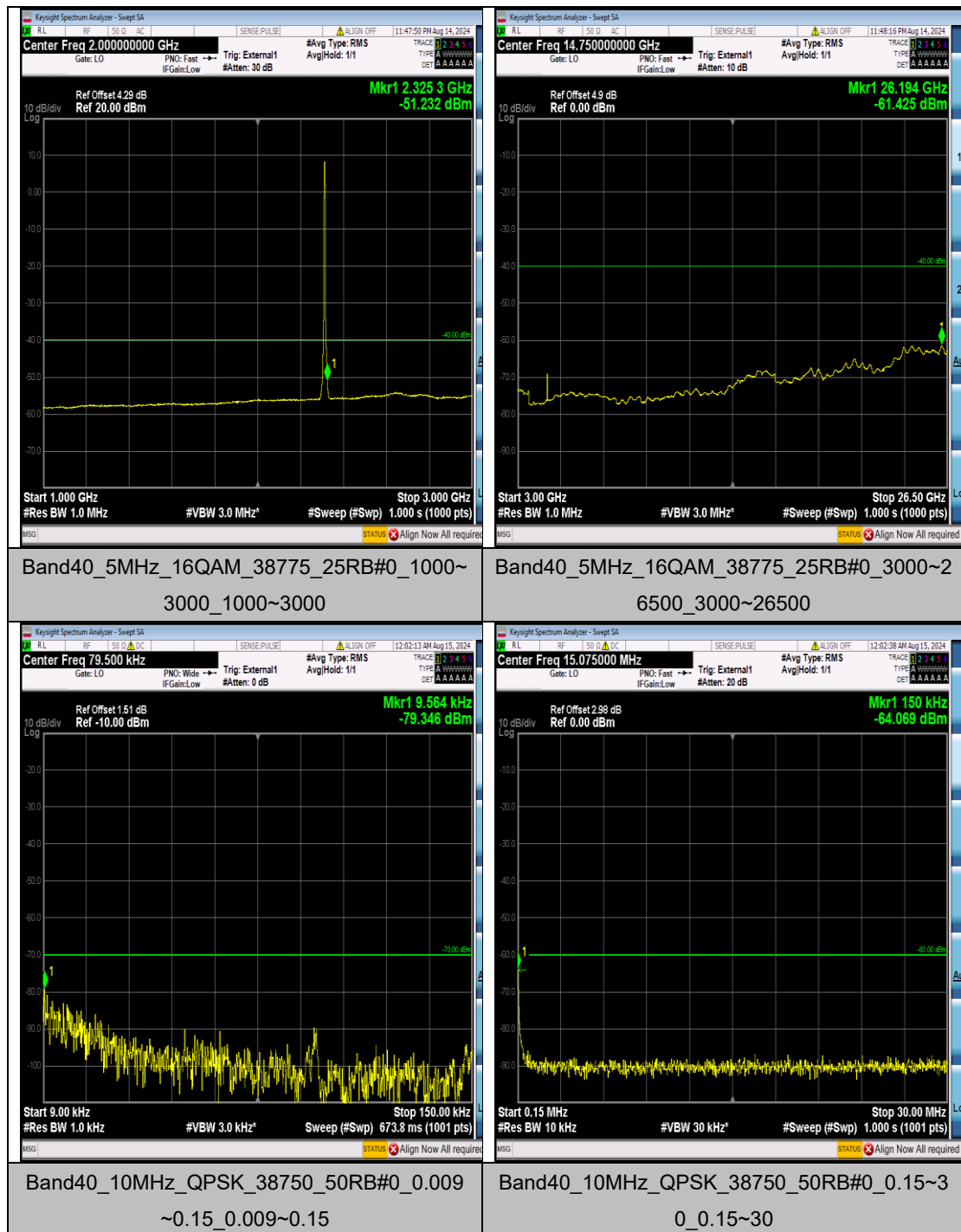
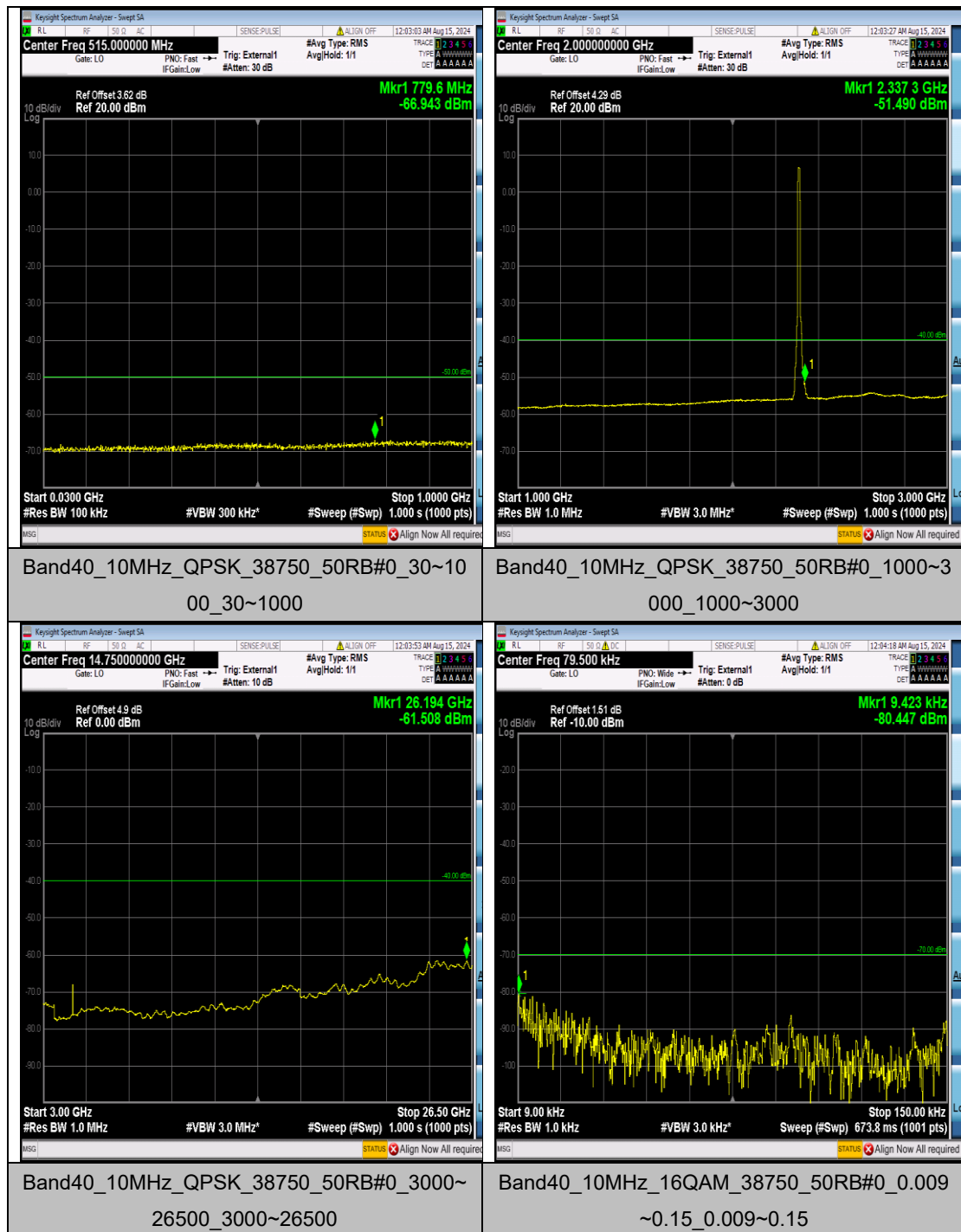


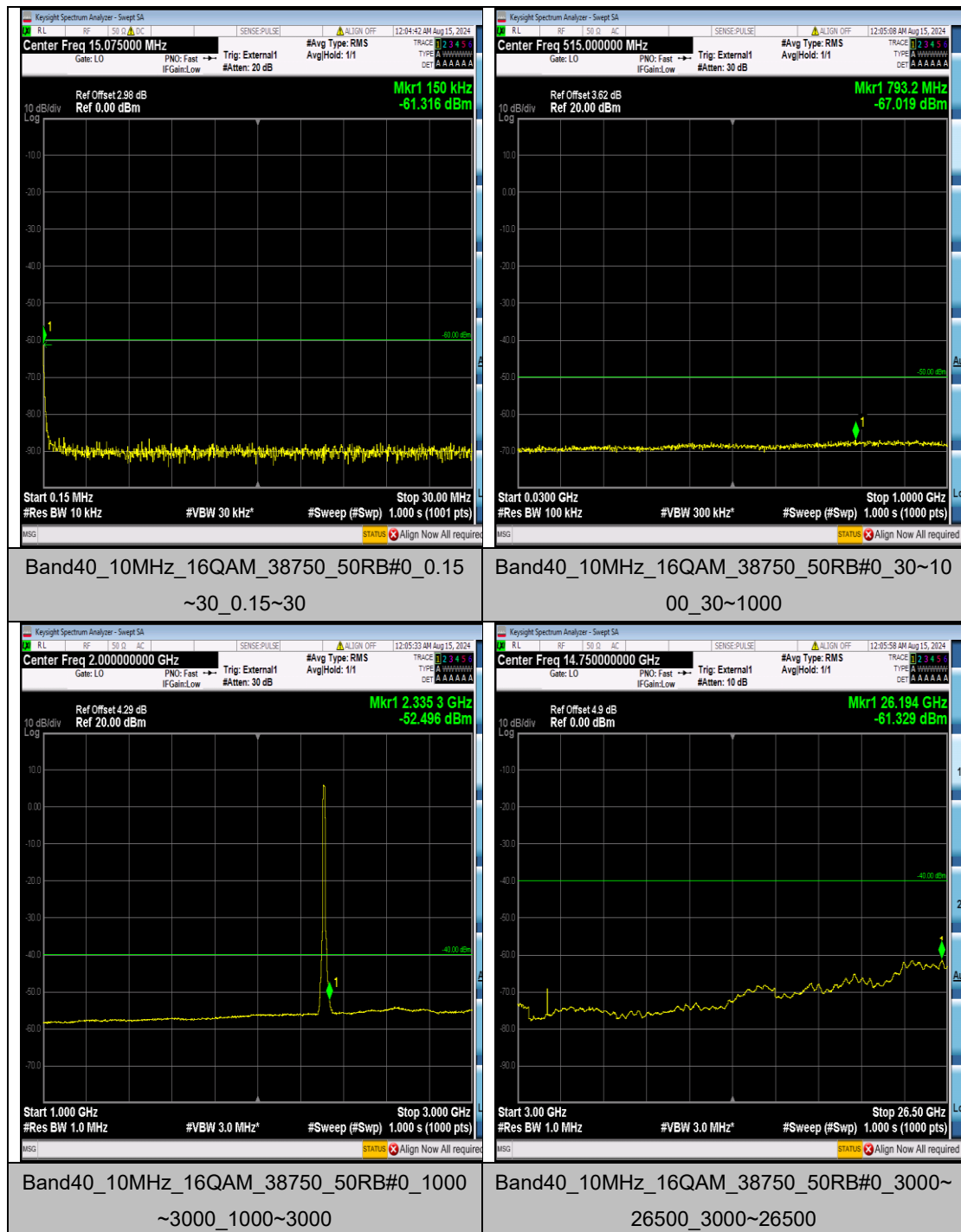


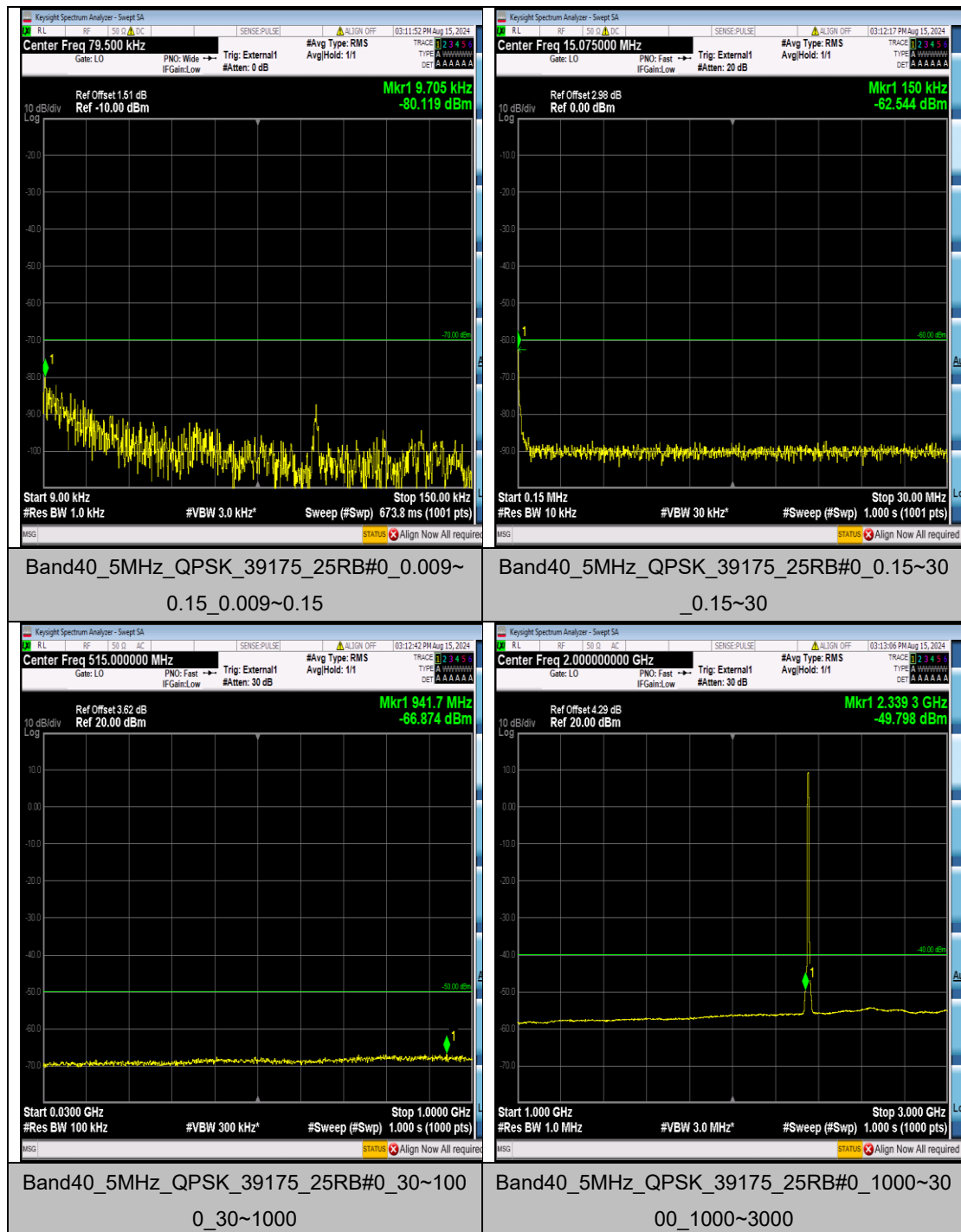


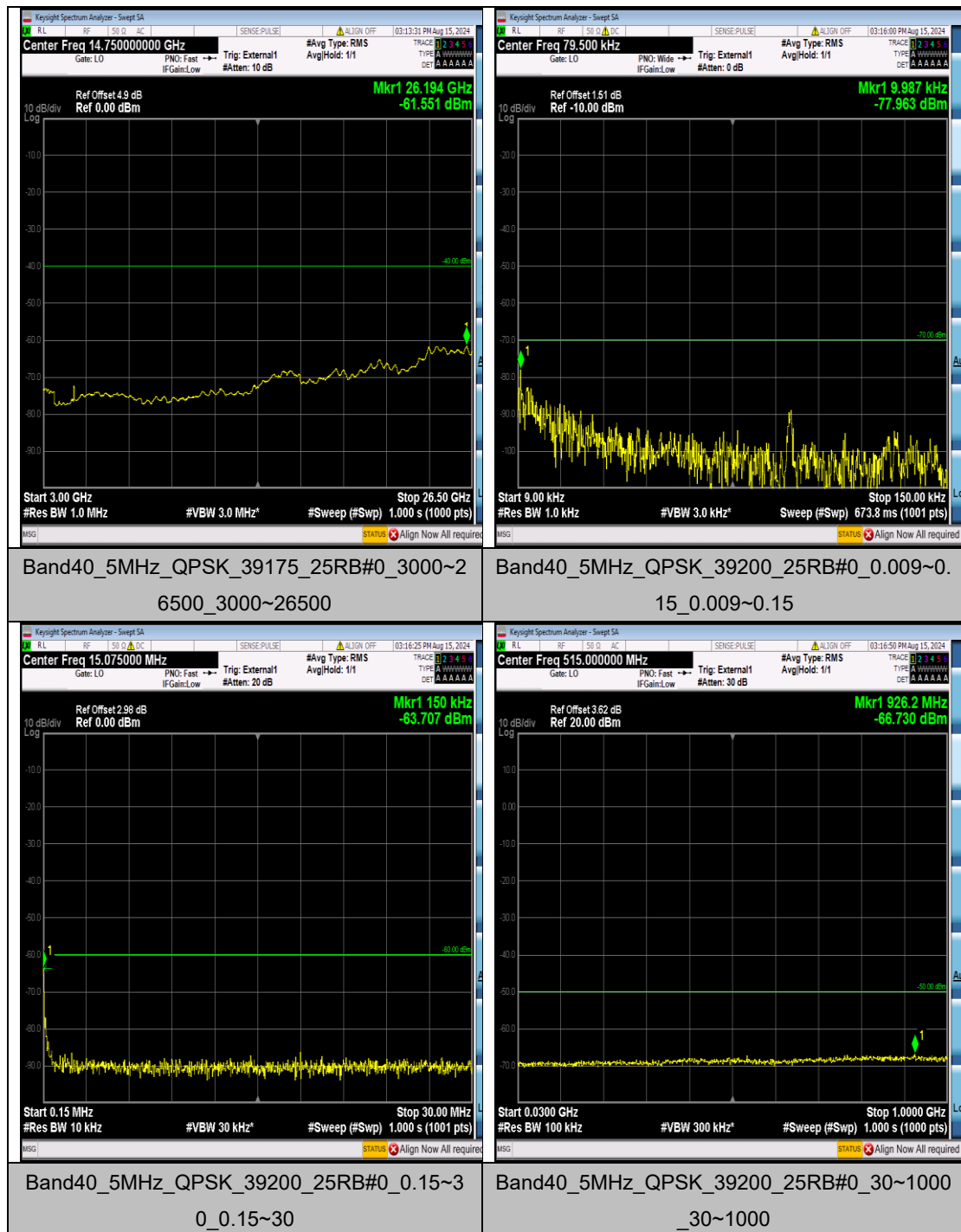


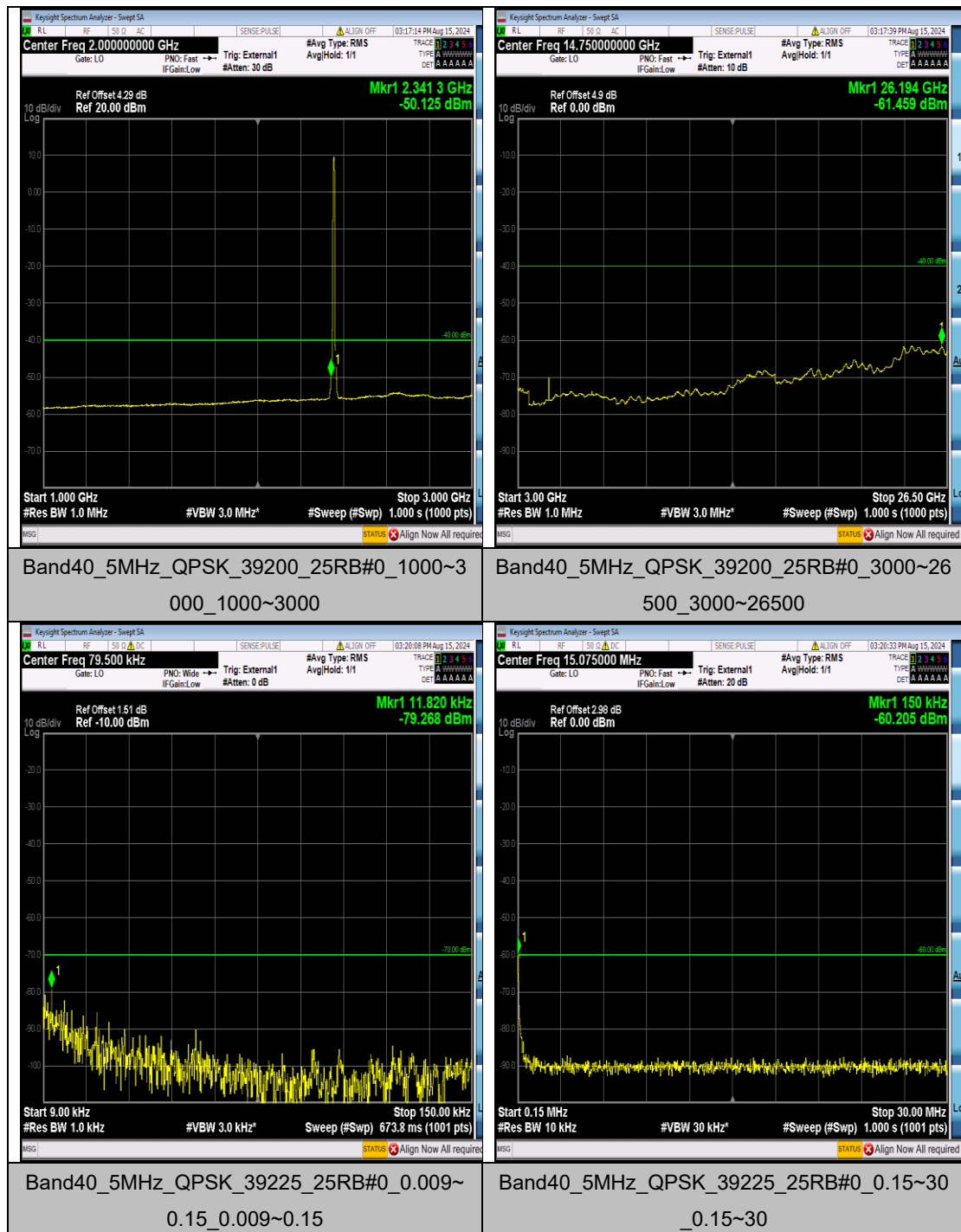


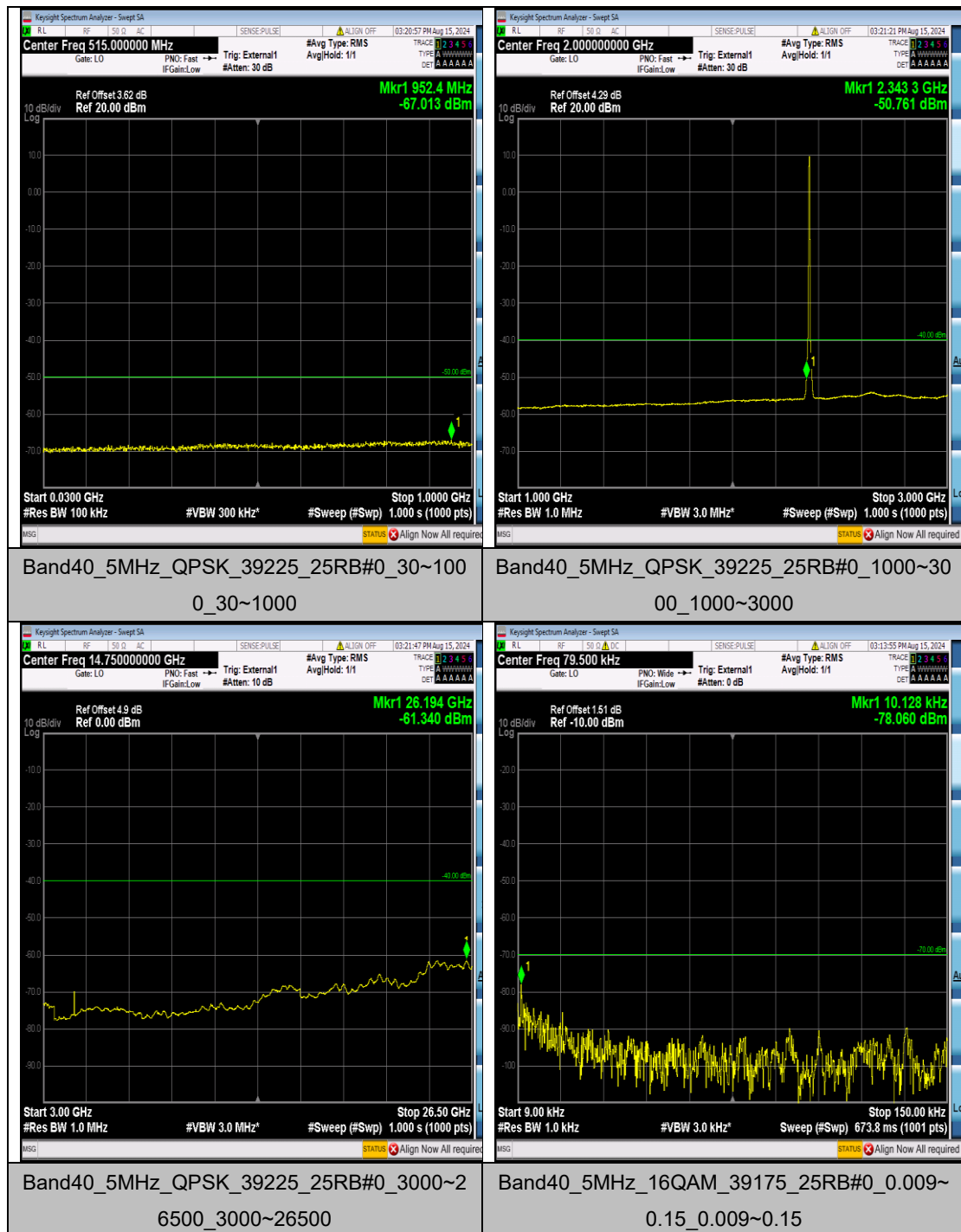


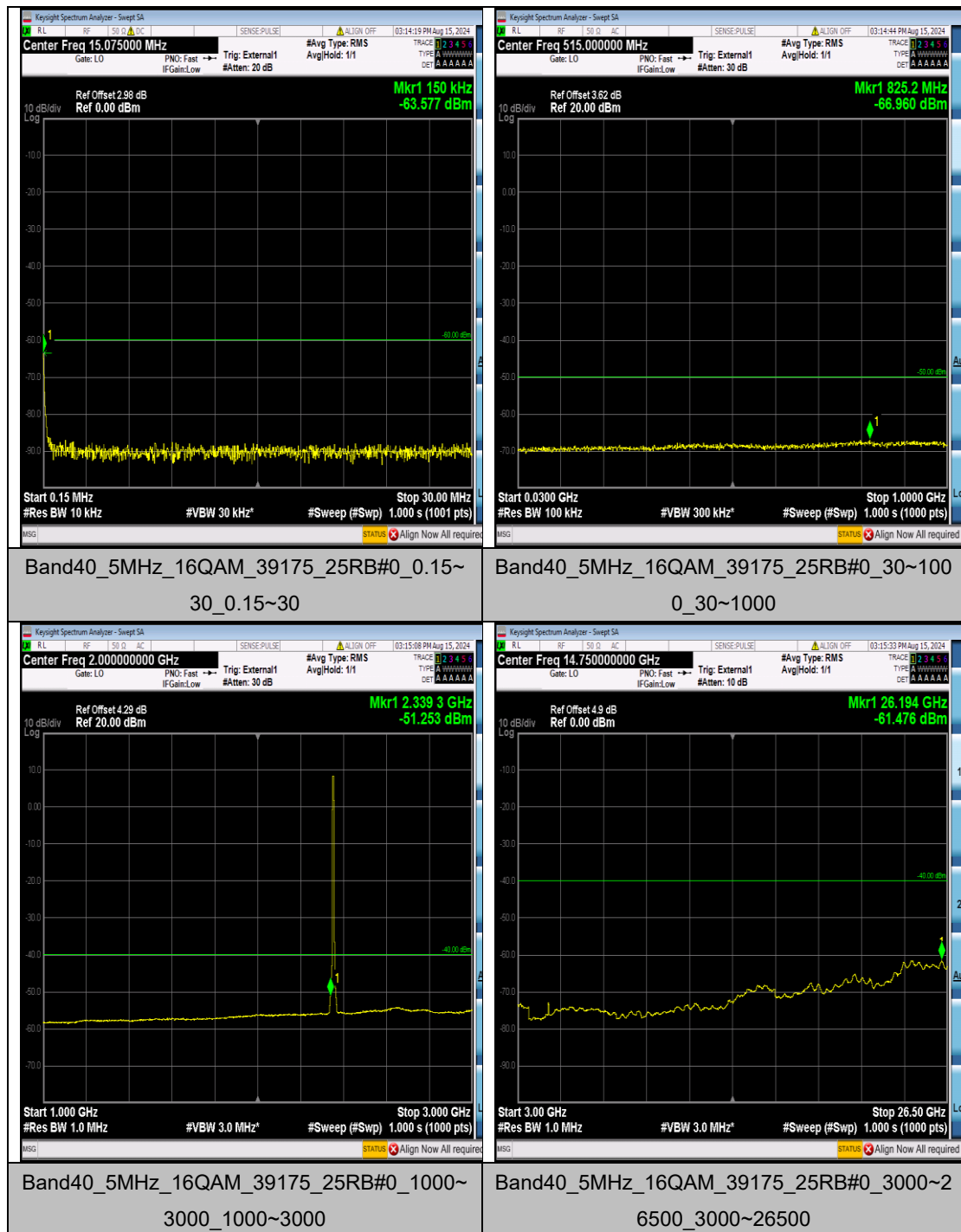


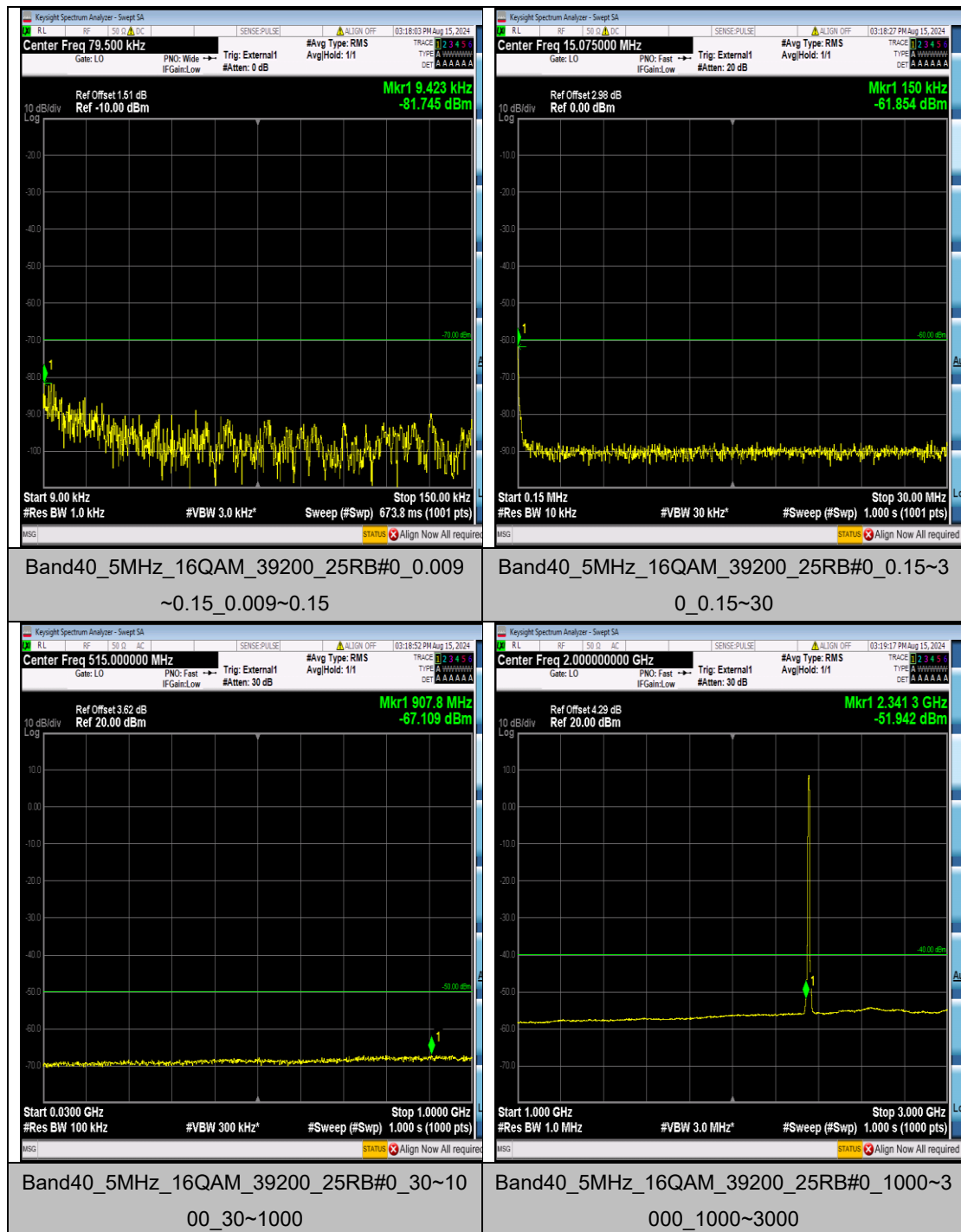


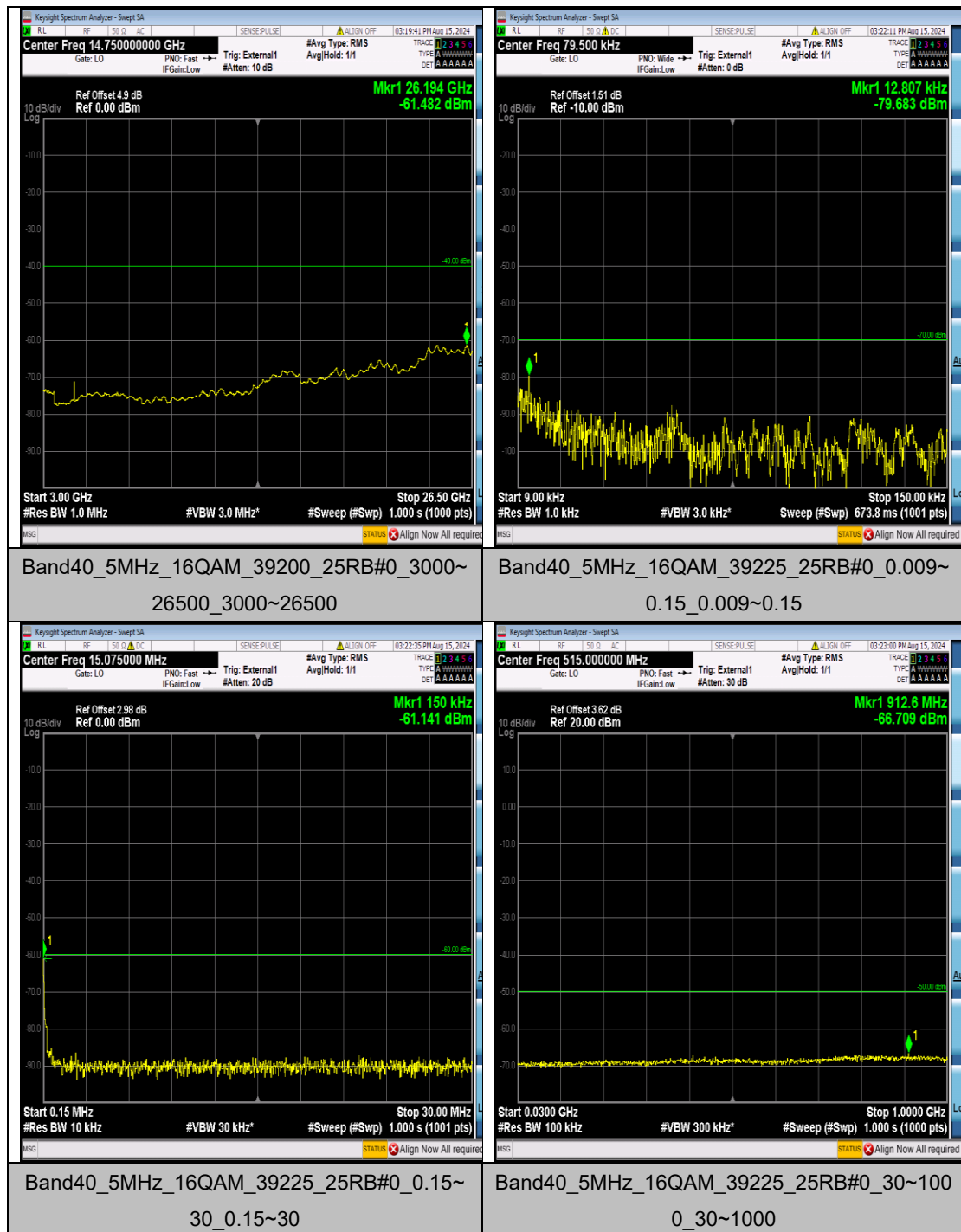


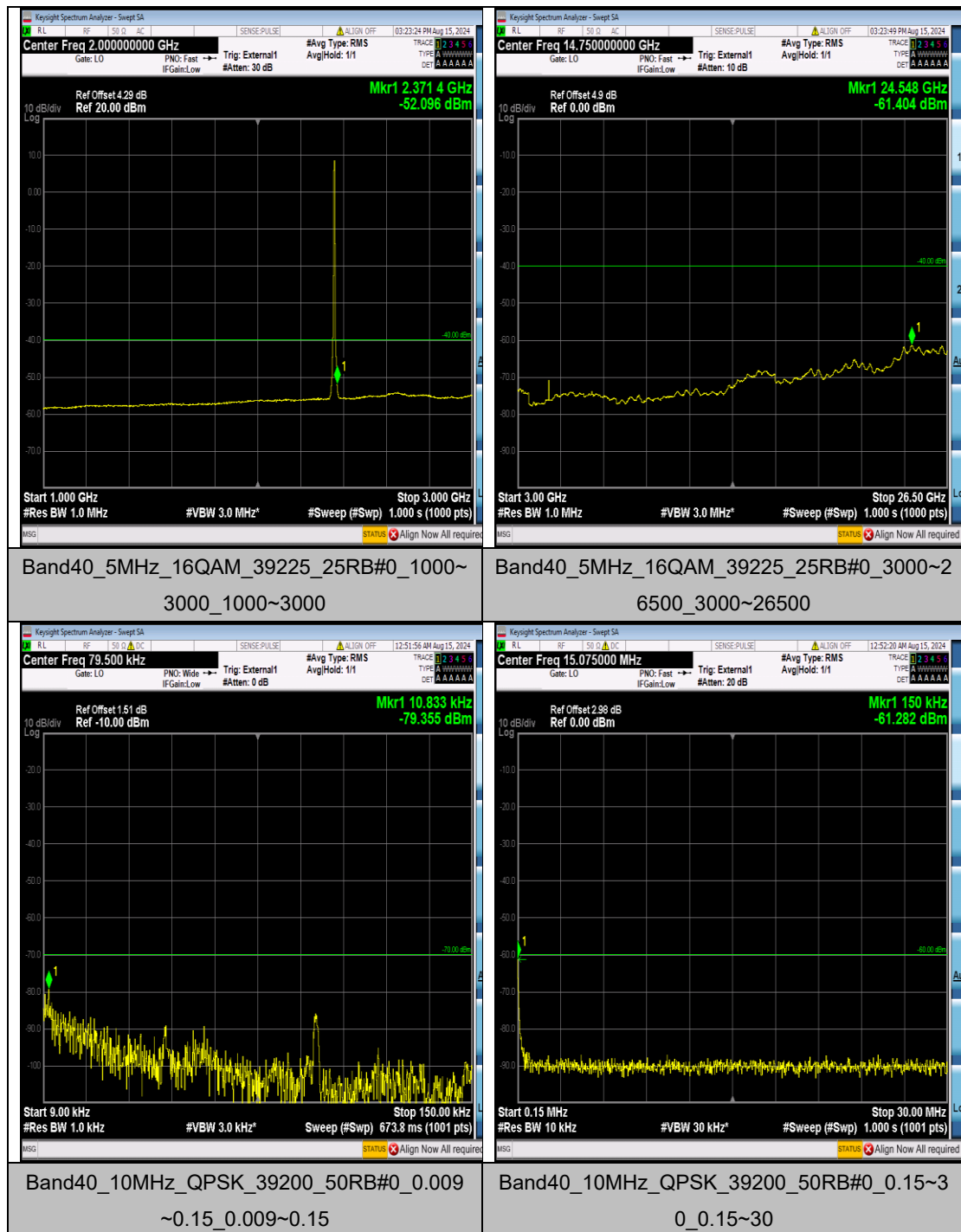


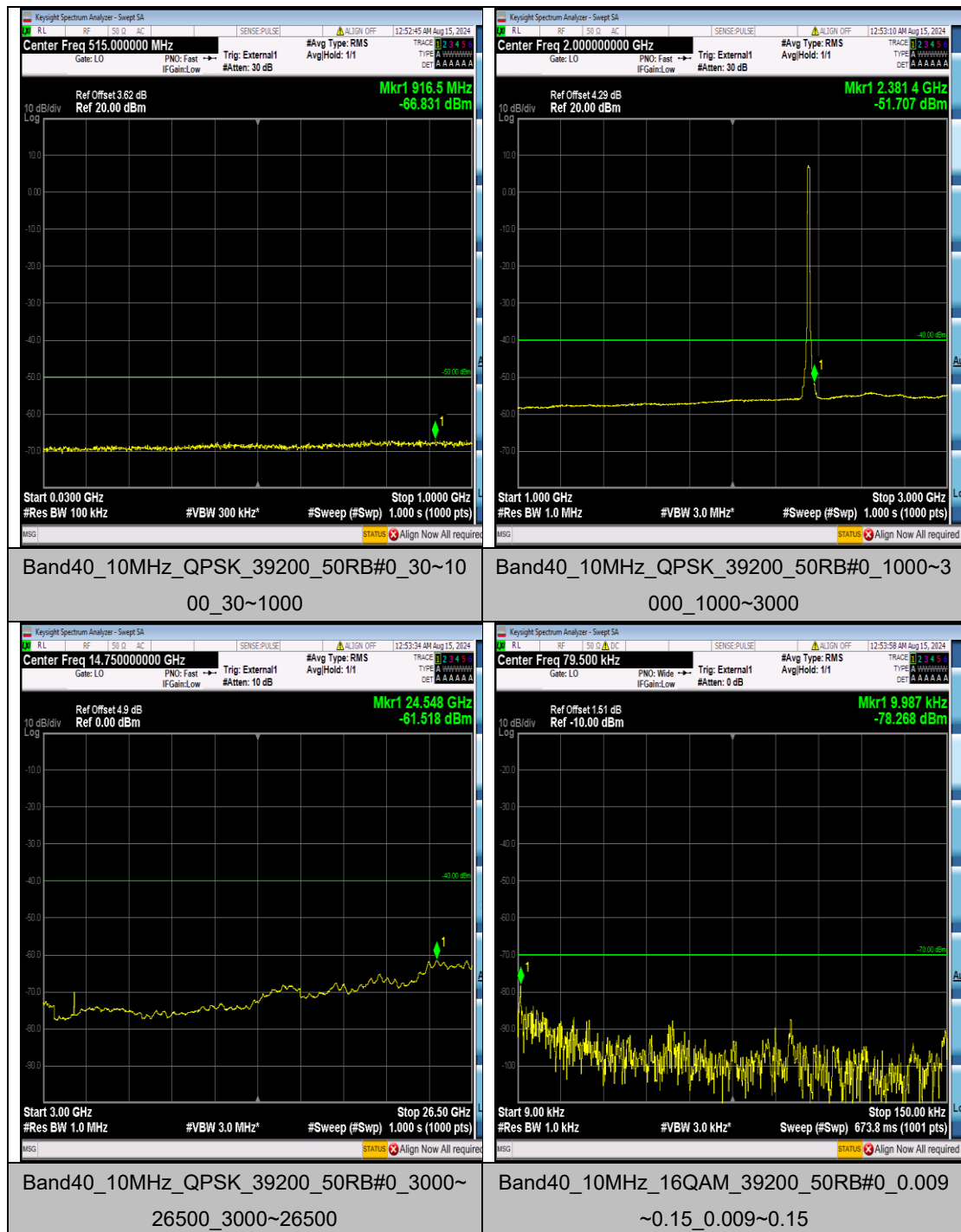


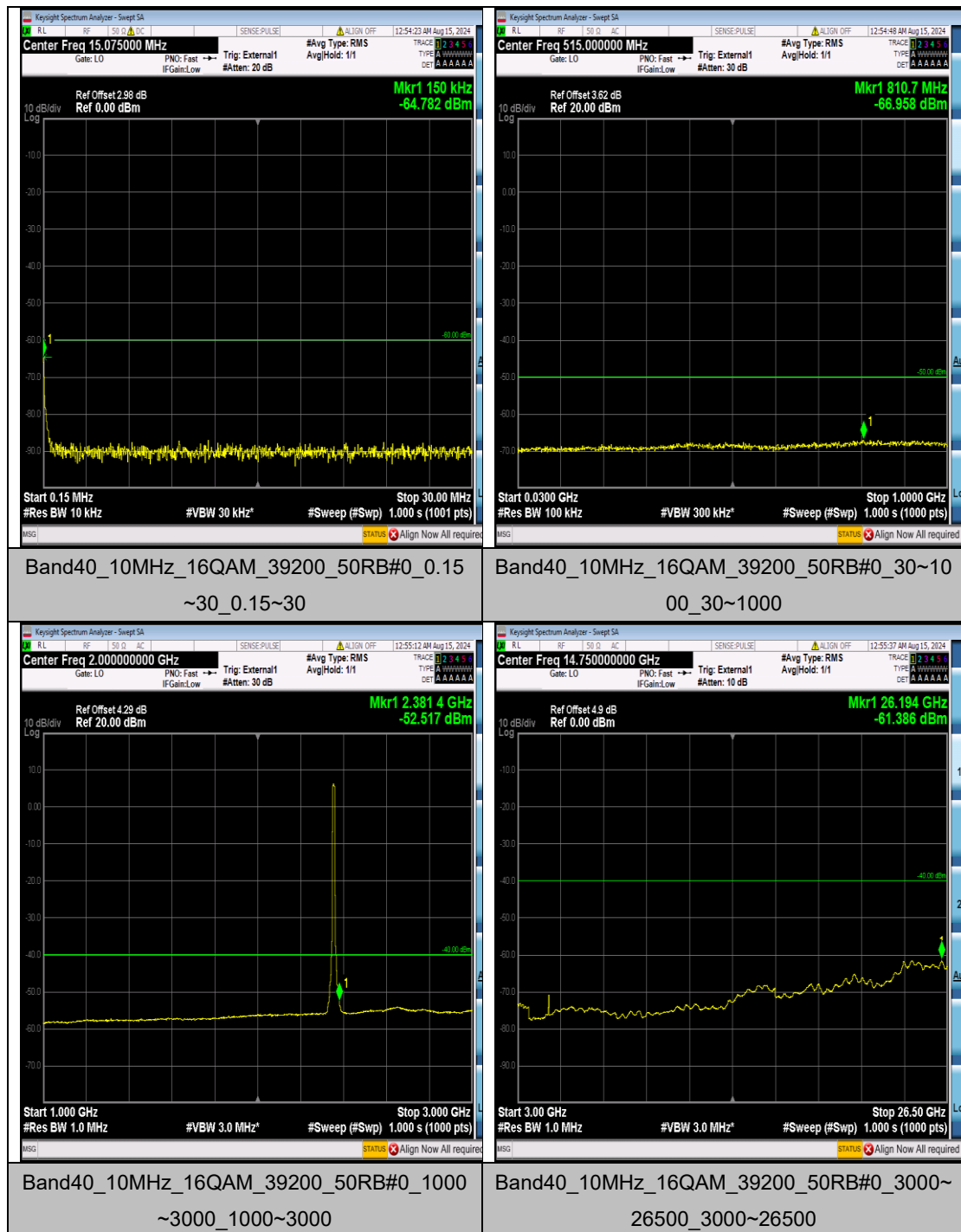












Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BandName	Bandwidth	Modulation	Channel	RBcfg	VolValue	TempValue	ValueHz	ValuePpm	Limit	Verdict

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-30	-13.88	-0.006015	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-20	-3.23	-0.001400	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-10	-11.50	-0.004984	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	0	-7.58	-0.003285	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	10	-15.51	-0.006722	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	20	-11.66	-0.005053	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	30	-9.11	-0.003948	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	40	-13.23	-0.005733	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	50	-11.89	-0.005153	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	-30	-11.49	-0.004974	±2.5	PASS

2315)										
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	-20	-5.46	-0.002364	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	-10	-7.20	-0.003117	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	0	-7.61	-0.003294	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	10	2.47	0.001069	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	20	-11.49	-0.004974	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	30	-8.90	-0.003853	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	40	-4.99	-0.002160	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	50	-20.03	-0.008671	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	-30	-21.64	-0.009358	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	-20	-13.92	-0.006019	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	-10	-5.92	-0.002560	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	0	-6.08	-0.002629	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	10	-16.62	-0.007187	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	20	-9.38	-0.004056	±2.5	PASS

Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	30	-12.72	-0.005501	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	40	-11.79	-0.005098	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	50	-7.02	-0.003036	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	-30	-10.59	-0.004589	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	-20	-21.31	-0.009235	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	-10	-7.54	-0.003268	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	0	-20.94	-0.009075	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	10	-11.20	-0.004854	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	20	-7.37	-0.003194	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	30	-5.55	-0.002405	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	40	-13.42	-0.005816	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	50	-18.14	-0.007861	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38750	25RB#0	NV	-30	-15.62	-0.006762	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38750	25RB#0	NV	-20	-9.64	-0.004173	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	-10	-9.73	-0.004212	±2.5	PASS

(2305-2315)										
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	0	-3.75	-0.001623	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	10	-9.38	-0.004061	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	20	-4.82	-0.002087	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	30	-12.96	-0.005610	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	40	-3.32	-0.001437	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	50	-18.31	-0.007926	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-30	-12.20	-0.005276	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-20	-7.47	-0.003230	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-10	-13.99	-0.006050	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	0	-5.19	-0.002244	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	10	-14.89	-0.006439	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	20	-8.96	-0.003875	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	30	-11.12	-0.004809	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	40	-8.35	-0.003611	±2.5	PASS

2315)										
Band40 (2305- 2315)	5MHz	16QAM	38775	25RB#0	NV	50	-6.67	-0.002884	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	-30	-9.03	-0.003909	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	-20	-12.22	-0.005290	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	-10	-9.04	-0.003913	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	0	-10.43	-0.004515	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	10	-7.21	-0.003121	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	20	-13.12	-0.005680	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	30	5.32	0.002303	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	40	-12.06	-0.005221	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	50	-6.98	-0.003022	±2.5	PASS
Band40 (2305- 2315)	10MHz	16QAM	38750	50RB#0	NV	-30	-3.26	-0.001411	±2.5	PASS
Band40 (2305- 2315)	10MHz	16QAM	38750	50RB#0	NV	-20	-13.58	-0.005879	±2.5	PASS
Band40 (2305- 2315)	10MHz	16QAM	38750	50RB#0	NV	-10	-13.86	-0.006000	±2.5	PASS
Band40 (2305- 2315)	10MHz	16QAM	38750	50RB#0	NV	0	-11.50	-0.004978	±2.5	PASS

Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	10	-8.34	-0.003610	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	20	-6.54	-0.002831	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	30	-9.88	-0.004277	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	40	-7.57	-0.003277	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	50	8.21	0.003554	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	-30	-7.70	-0.003273	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	-20	-15.16	-0.006444	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	-10	-8.96	-0.003809	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	0	-14.00	-0.005951	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	10	-3.93	-0.001671	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	20	-8.08	-0.003435	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	30	-17.94	-0.007626	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	40	-9.20	-0.003911	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	50	-12.36	-0.005254	±2.5	PASS
Band40	5MHz	QPSK	39200	25RB#0	NV	-30	-5.51	-0.002340	±2.5	PASS

(2350-2360)										
Band40 (2350-2360)	5MHz	QPSK	39200	25RB#0	NV	-20	-8.71	-0.003699	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39200	25RB#0	NV	-10	-4.56	-0.001936	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39200	25RB#0	NV	0	-7.95	-0.003376	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39200	25RB#0	NV	10	-7.94	-0.003372	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39200	25RB#0	NV	20	-17.35	-0.007367	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39200	25RB#0	NV	30	-17.15	-0.007282	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39200	25RB#0	NV	40	-14.09	-0.005983	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39200	25RB#0	NV	50	-18.22	-0.007737	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	-30	-22.12	-0.009383	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	-20	-14.22	-0.006032	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	-10	-12.57	-0.005332	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	0	-10.21	-0.004331	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	10	-6.25	-0.002651	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	20	-4.51	-0.001913	±2.5	PASS

2360)										
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	30	3.36	0.001425	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	40	-5.34	-0.002265	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	50	-15.65	-0.006638	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	-30	-11.94	-0.005075	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	-20	-13.63	-0.005794	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	-10	-6.39	-0.002716	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	0	-3.82	-0.001624	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	10	-12.56	-0.005339	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	20	-15.89	-0.006755	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	30	-7.78	-0.003307	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	40	5.88	0.002499	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	50	-8.78	-0.003732	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	-30	-13.55	-0.005754	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	-20	-4.48	-0.001902	±2.5	PASS

Band40 (2350-2360)	5MHz	16QAM	39200	25RB#0	NV	-10	-10.29	-0.004369	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39200	25RB#0	NV	0	-10.67	-0.004531	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39200	25RB#0	NV	10	-13.95	-0.005924	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39200	25RB#0	NV	20	-5.87	-0.002493	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39200	25RB#0	NV	30	-7.41	-0.003146	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39200	25RB#0	NV	40	-6.77	-0.002875	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39200	25RB#0	NV	50	-6.51	-0.002764	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39225	25RB#0	NV	-30	-11.77	-0.004993	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39225	25RB#0	NV	-20	-14.08	-0.005972	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39225	25RB#0	NV	-10	-22.90	-0.009714	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39225	25RB#0	NV	0	-14.43	-0.006121	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39225	25RB#0	NV	10	-8.21	-0.003483	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39225	25RB#0	NV	20	-10.51	-0.004458	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39225	25RB#0	NV	30	-18.94	-0.008034	±2.5	PASS
Band40	5MHz	16QAM	39225	25RB#0	NV	40	-9.54	-0.004047	±2.5	PASS

(2350-2360)										
Band40 (2350-2360)	5MHz	16QAM	39225	25RB#0	NV	50	8.90	0.003775	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	-30	-9.10	-0.003864	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	-20	-10.76	-0.004569	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	-10	-6.08	-0.002582	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	0	-8.88	-0.003771	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	10	-8.01	-0.003401	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	20	-15.92	-0.006760	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	30	-21.69	-0.009210	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	40	-14.62	-0.006208	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	50	-8.03	-0.003410	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-30	-11.36	-0.004824	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-20	-10.59	-0.004497	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-10	-10.31	-0.004378	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	0	-13.59	-0.005771	±2.5	PASS

2360)										
Band40 (2350- 2360)	10MHz	16QAM	39200	50RB#0	NV	10	-11.96	-0.005079	±2.5	PASS
Band40 (2350- 2360)	10MHz	16QAM	39200	50RB#0	NV	20	-14.09	-0.005983	±2.5	PASS
Band40 (2350- 2360)	10MHz	16QAM	39200	50RB#0	NV	30	-5.82	-0.002471	±2.5	PASS
Band40 (2350- 2360)	10MHz	16QAM	39200	50RB#0	NV	40	-6.51	-0.002764	±2.5	PASS
Band40 (2350- 2360)	10MHz	16QAM	39200	50RB#0	NV	50	-2.63	-0.001117	±2.5	PASS