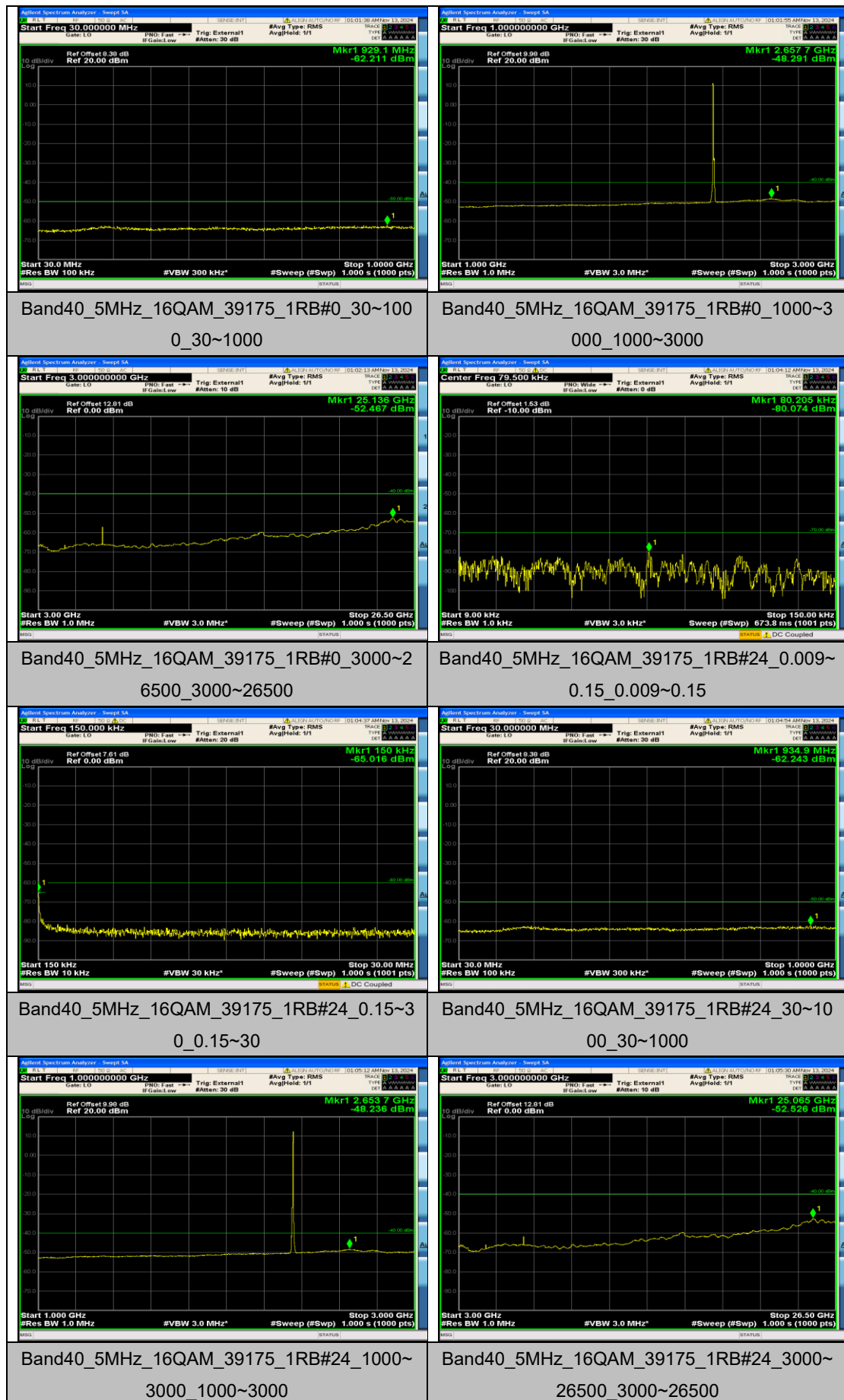
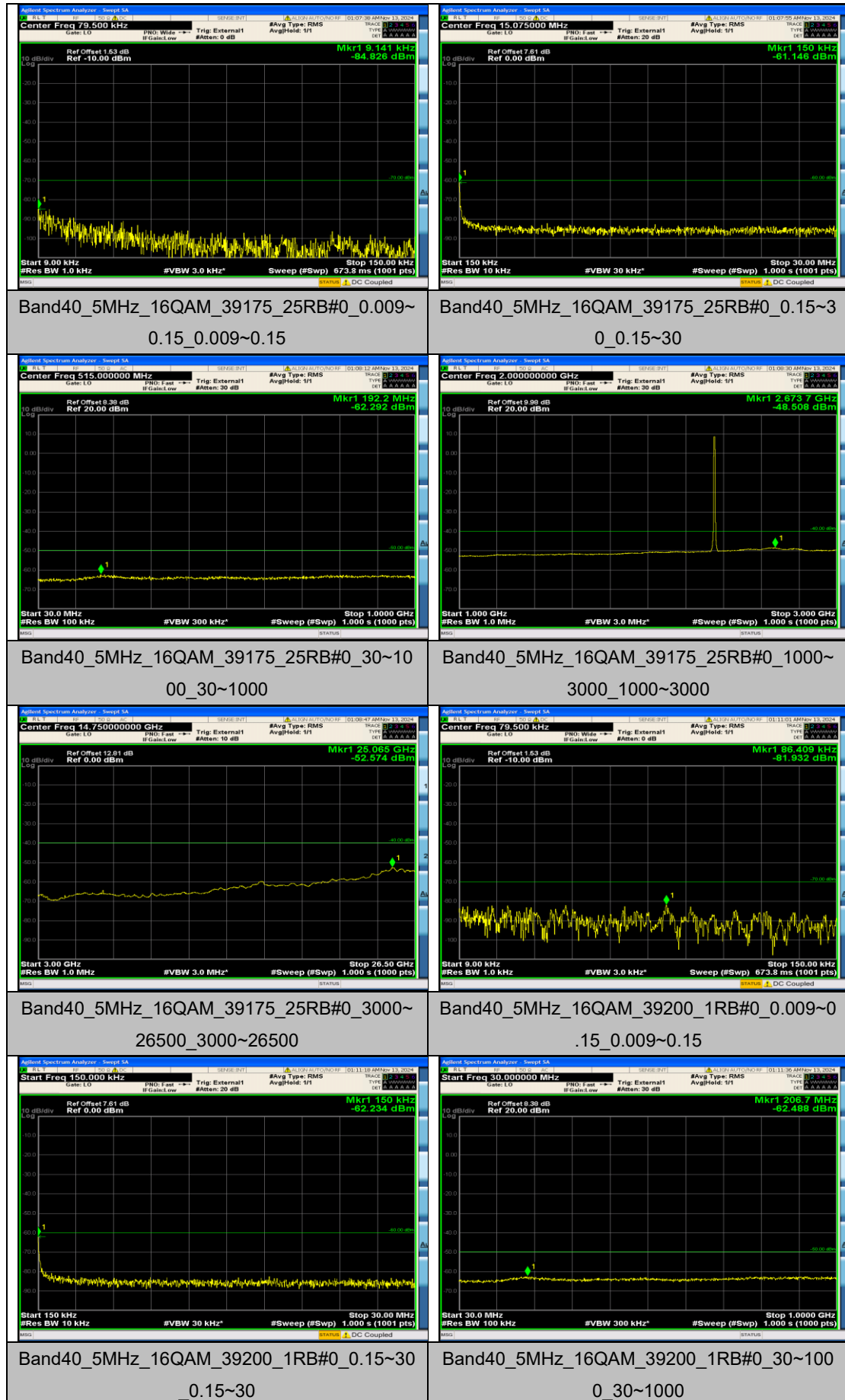
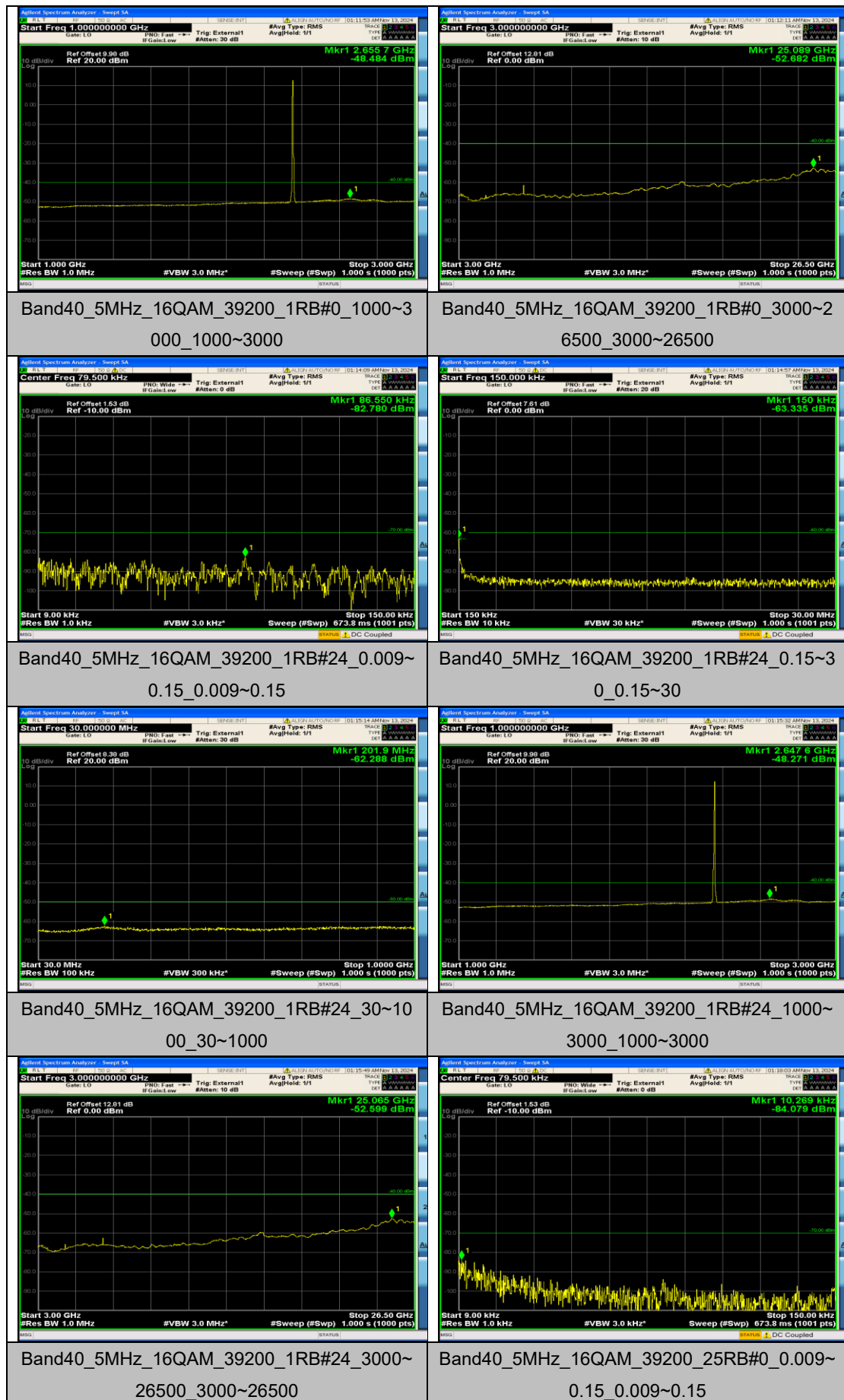
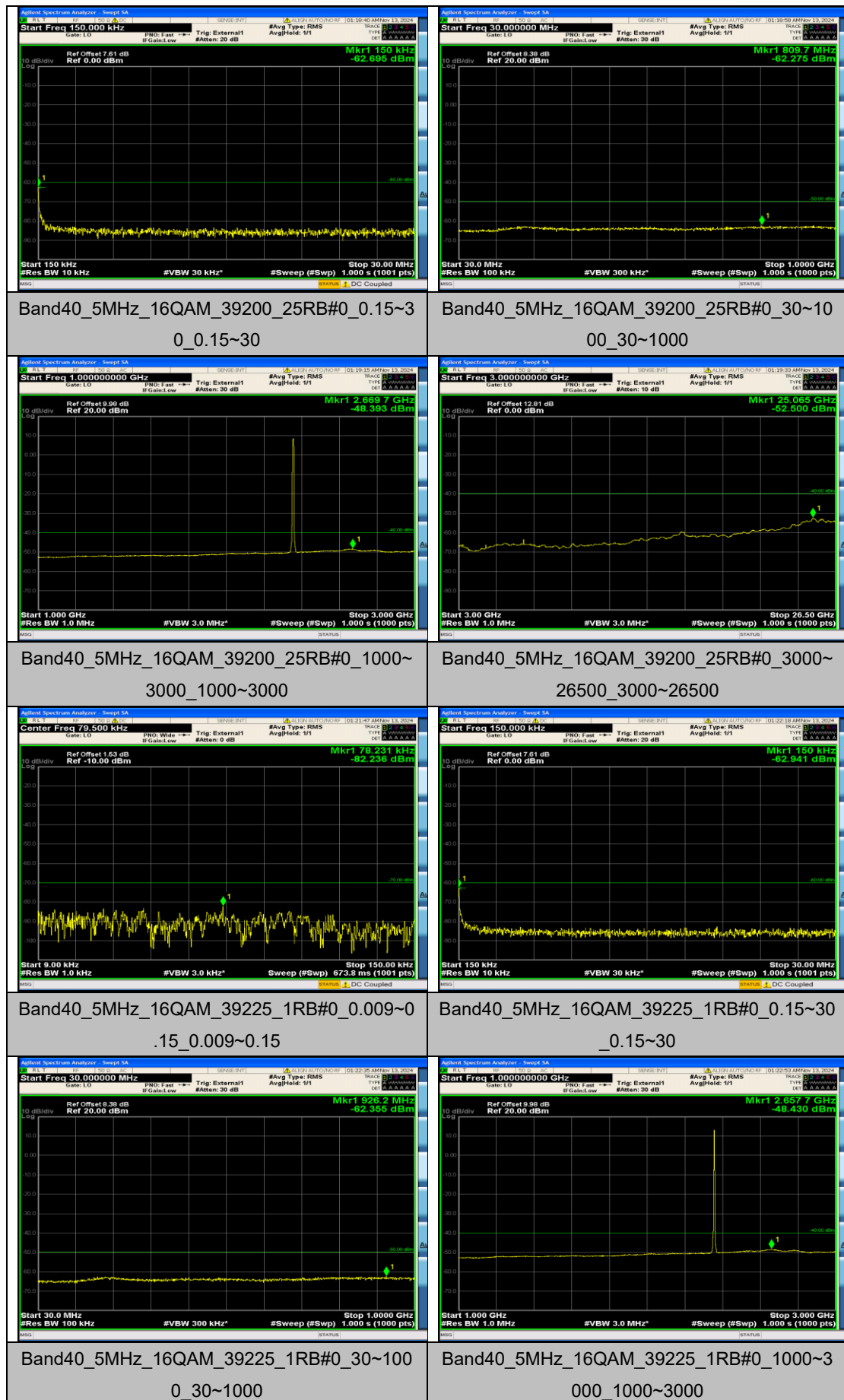
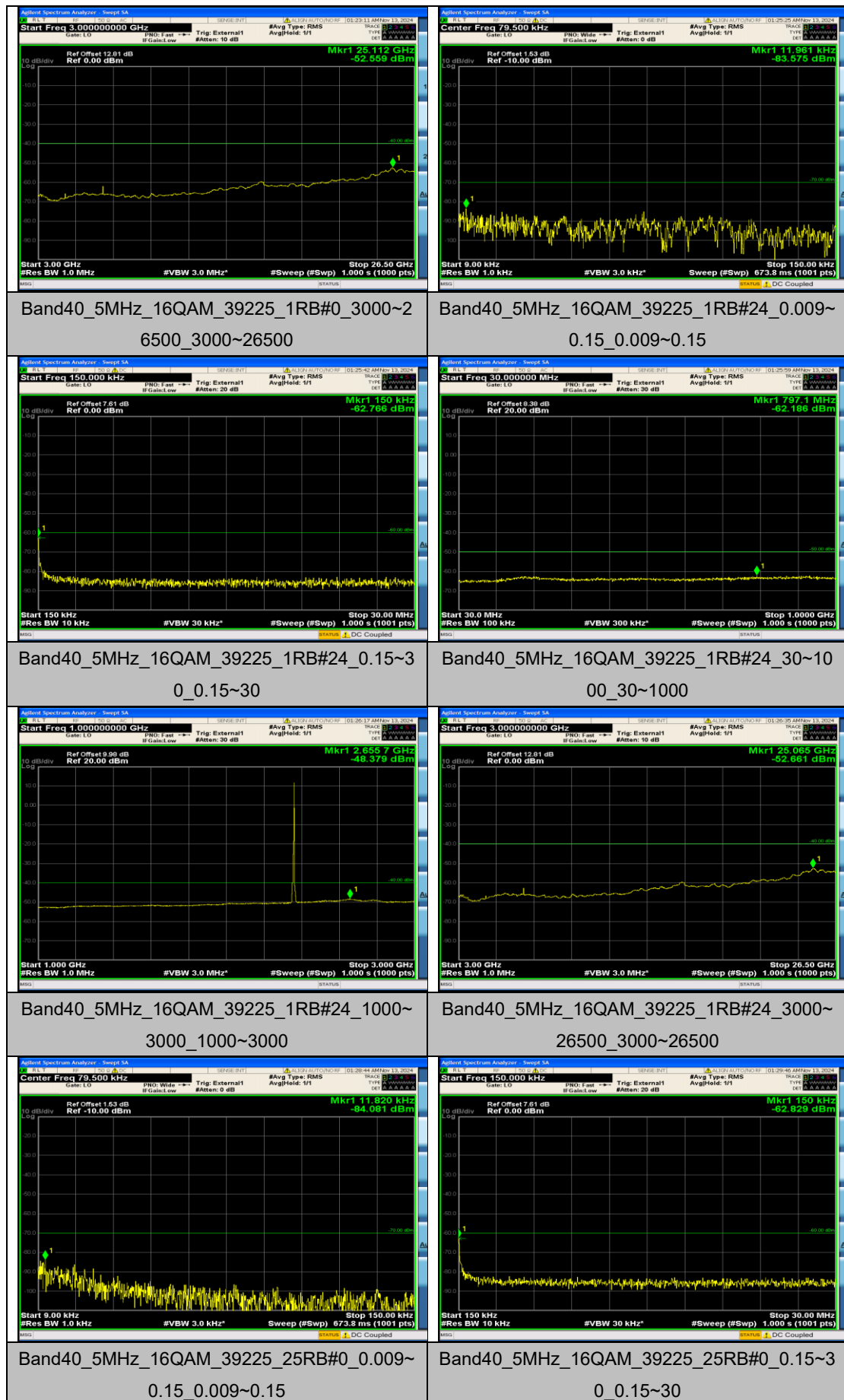


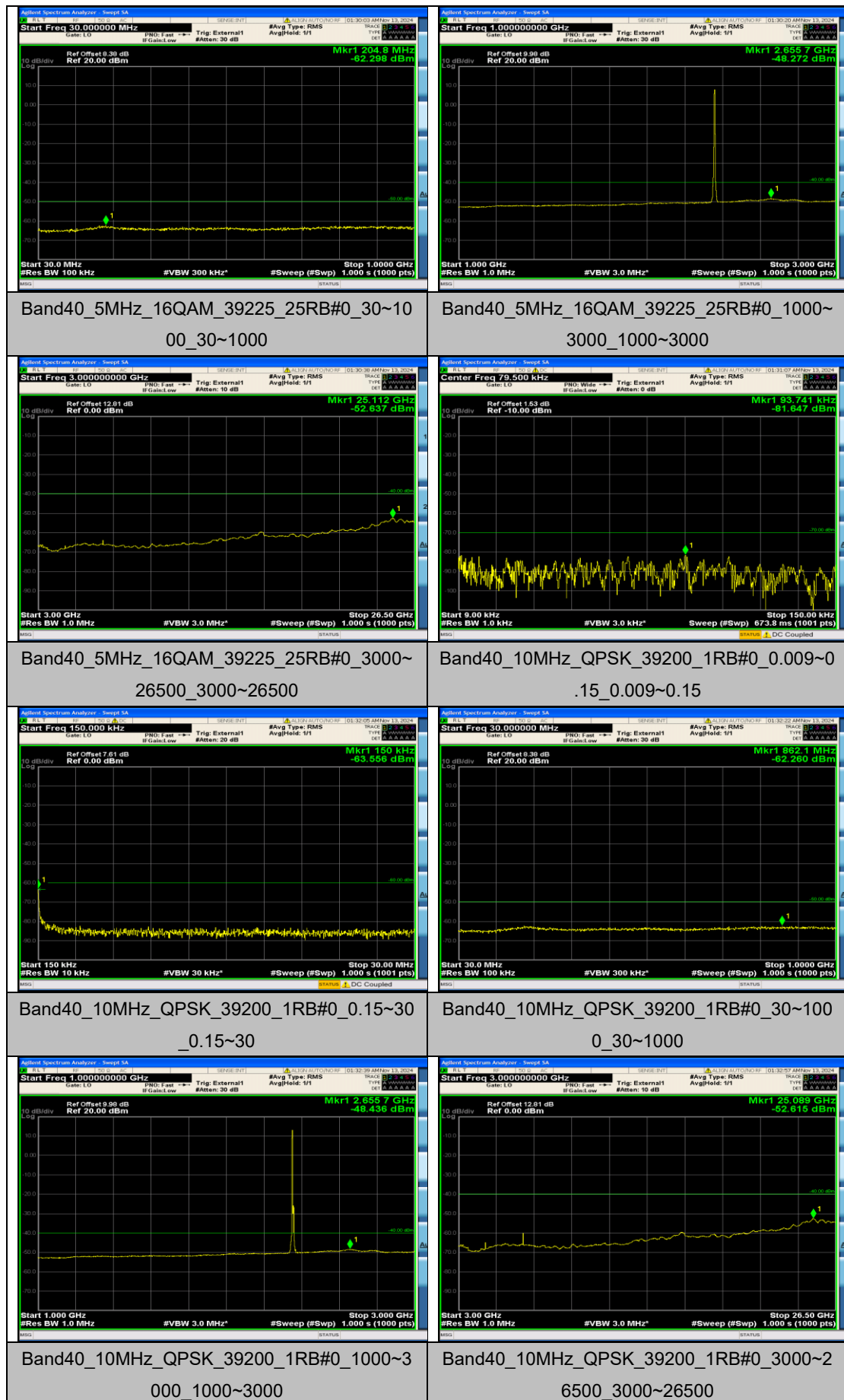


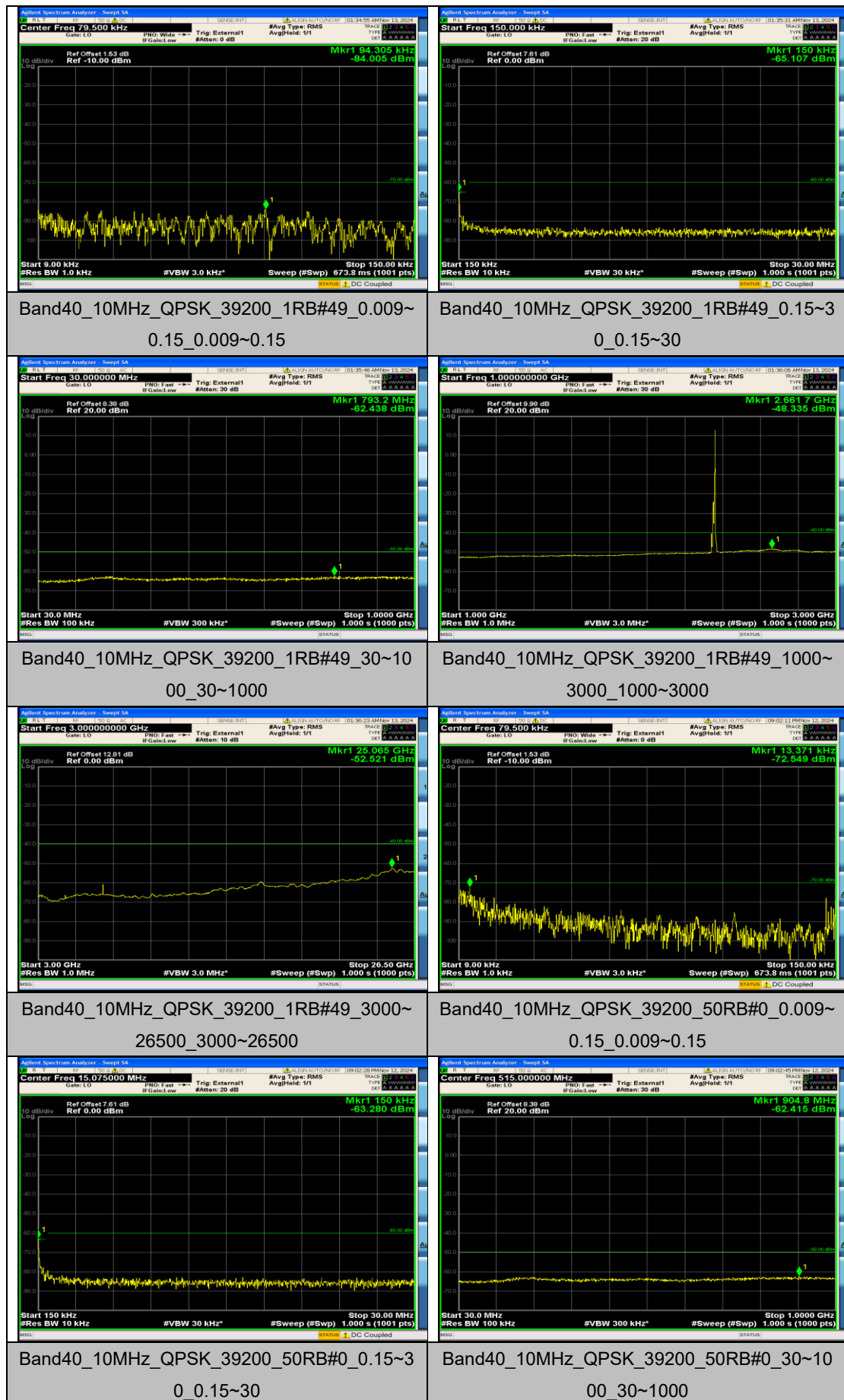


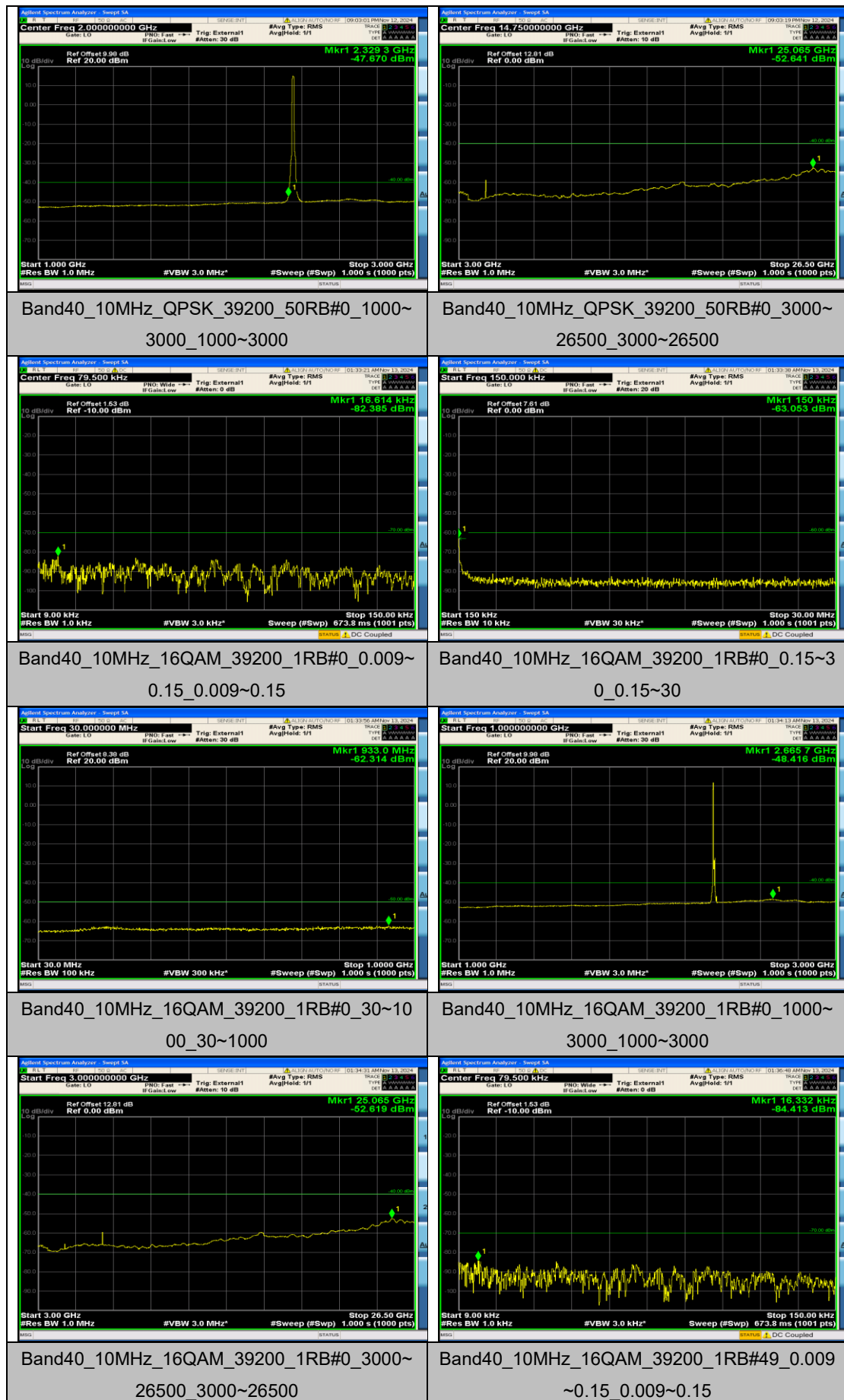


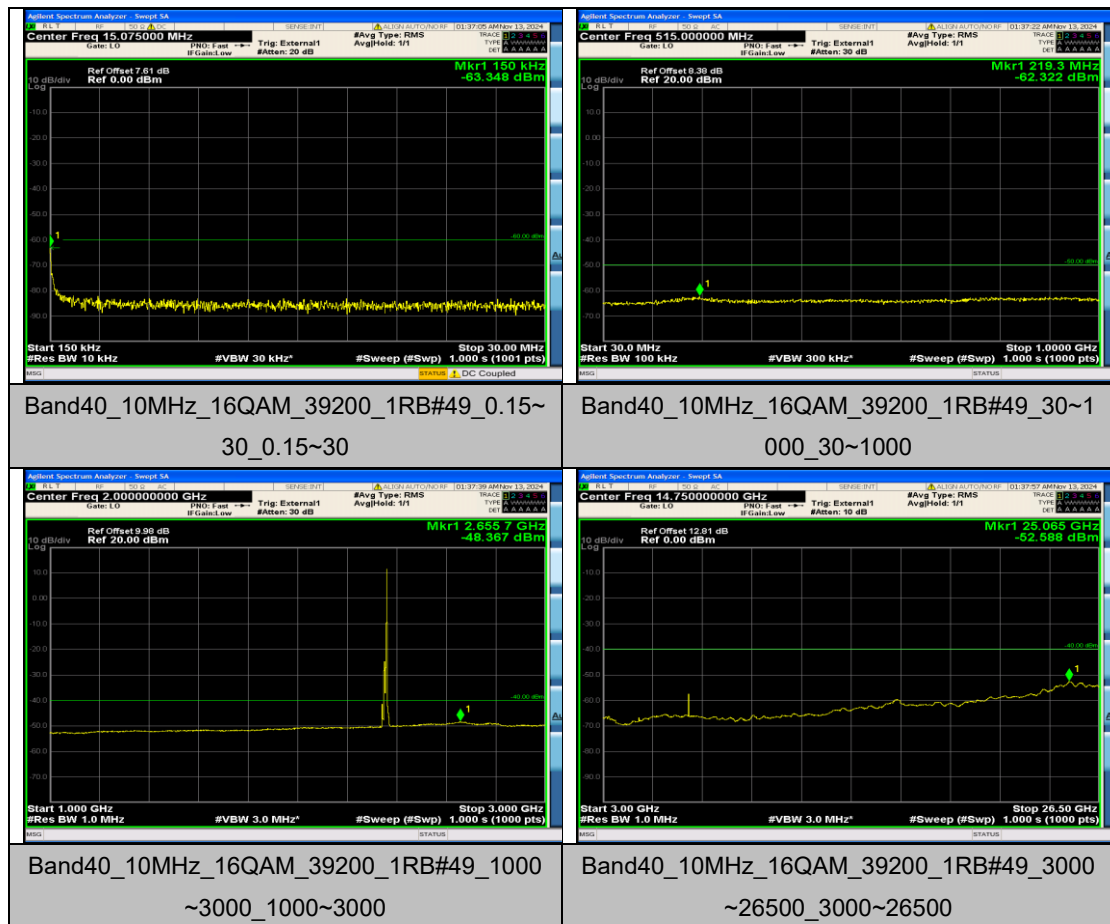












Appendix F: Frequency Stability

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	-8140.00	-3.527627	±NA	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-20	-8120.00	-3.518960	±NA	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-10	-8090.00	-3.505959	±NA	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	0	-8090.00	-3.505959	±NA	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	10	-8120.00	-3.518960	±NA	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	20	-8100.00	-3.510293	±NA	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	30	-8110.00	-3.514626	±NA	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	40	-8120.00	-3.518960	±NA	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	50	-8120.00	-3.518960	±NA	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	-30	-4570.00	-1.978355	±NA	PASS

2315)										
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	-20	-4550.00	-1.969697	±NA	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	-10	-4520.00	-1.956710	±NA	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	0	-4560.00	-1.974026	±NA	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	10	-4490.00	-1.943723	±NA	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	20	-4520.00	-1.956710	±NA	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	30	-4510.00	-1.952381	±NA	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	40	-4540.00	-1.965368	±NA	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	50	-4510.00	-1.952381	±NA	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	-30	-8580.00	-3.710270	±NA	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	-20	-8640.00	-3.736216	±NA	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	-10	-8610.00	-3.723243	±NA	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	0	-8620.00	-3.727568	±NA	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	10	-8660.00	-3.744865	±NA	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	20	-8570.00	-3.705946	±NA	PASS

Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	30	-8610.00	-3.723243	±NA	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	40	-8580.00	-3.710270	±NA	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	50	-8630.00	-3.731892	±NA	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	-30	3430.00	1.486457	±NA	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	-20	3420.00	1.482124	±NA	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	-10	3470.00	1.503792	±NA	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	0	3430.00	1.486457	±NA	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	10	3490.00	1.512459	±NA	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	20	3470.00	1.503792	±NA	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	30	3460.00	1.499458	±NA	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	40	3470.00	1.503792	±NA	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	50	3450.00	1.495125	±NA	PASS
Band40 (2305- 2315)	5MHz	16QAM	38750	25RB#0	NV	-30	-2320.00	-1.004329	±NA	PASS
Band40 (2305- 2315)	5MHz	16QAM	38750	25RB#0	NV	-20	-2390.00	-1.034632	±NA	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	-10	-2510.00	-1.086580	±NA	PASS

(2305-2315)										
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	0	-2360.00	-1.021645	±NA	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	10	-2420.00	-1.047619	±NA	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	20	-2350.00	-1.017316	±NA	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	30	-2410.00	-1.043290	±NA	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	40	-2470.00	-1.069264	±NA	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	50	-2450.00	-1.060606	±NA	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-30	2610.00	1.128649	±NA	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-20	2640.00	1.141622	±NA	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-10	2670.00	1.154595	±NA	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	0	2730.00	1.180541	±NA	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	10	2700.00	1.167568	±NA	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	20	2690.00	1.163243	±NA	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	30	2730.00	1.180541	±NA	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	40	2740.00	1.184865	±NA	PASS

2315)										
Band40 (2305- 2315)	5MHz	16QAM	38775	25RB#0	NV	50	2710.00	1.171892	±NA	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	-30	-1270.00	-0.549784	±NA	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	-20	-1320.00	-0.571429	±NA	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	-10	-1380.00	-0.597403	±NA	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	0	-1280.00	-0.554113	±NA	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	10	-1340.00	-0.580087	±NA	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	20	-1310.00	-0.567100	±NA	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	30	-1310.00	-0.567100	±NA	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	40	-1430.00	-0.619048	±NA	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	50	-1320.00	-0.571429	±NA	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	-30	-1650.00	-0.701382	±NA	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	-20	-4790.00	-2.036132	±NA	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	-10	-6160.00	-2.618491	±NA	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	0	-4540.00	-1.929862	±NA	PASS

Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	10	-4760.00	-2.023379	±NA	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	20	-5950.00	-2.529224	±NA	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	30	-1400.00	-0.595112	±NA	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	40	-3920.00	-1.666312	±NA	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	50	-4200.00	-1.785335	±NA	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	-30	-4960.00	-2.106157	±NA	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	-20	-5480.00	-2.326964	±NA	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	-10	-4310.00	-1.830149	±NA	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	0	-3130.00	-1.329087	±NA	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	10	-5430.00	-2.305732	±NA	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	20	-6510.00	-2.764331	±NA	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	30	-4760.00	-2.021231	±NA	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	40	-5520.00	-2.343949	±NA	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	50	-4500.00	-1.910828	±NA	PASS
Band40	5MHz	QPSK	39225	25RB#0	NV	-30	720.00	0.305408	±NA	PASS

(2350-2360)										
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	-20	-460.00	-0.195122	±NA	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	-10	400.00	0.169671	±NA	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	0	1790.00	0.759279	±NA	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	10	780.00	0.330859	±NA	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	20	1310.00	0.555673	±NA	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	30	-780.00	-0.330859	±NA	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	40	-690.00	-0.292683	±NA	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	50	640.00	0.271474	±NA	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	-30	-2560.00	-1.088204	±NA	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	-20	830.00	0.352816	±NA	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	-10	910.00	0.386823	±NA	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	0	1480.00	0.629118	±NA	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	10	-2160.00	-0.918172	±NA	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	20	-710.00	-0.301807	±NA	PASS

2360)										
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	30	-30.00	-0.012752	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	40	-1500.00	-0.637620	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	50	500.00	0.212540	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	-30	-530.00	-0.225053	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	-20	-680.00	-0.288747	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	-10	-1390.00	-0.590234	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	0	70.00	0.029724	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	10	-1880.00	-0.798301	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	20	-650.00	-0.276008	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	30	-3380.00	-1.435244	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	40	50.00	0.021231	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	50	-1280.00	-0.543524	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	-30	710.00	0.301166	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	-20	700.00	0.296925	±NA	PASS

Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	-10	1120.00	0.475080	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	0	-220.00	-0.093319	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	10	2280.00	0.967126	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	20	1200.00	0.509014	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	30	-80.00	-0.033934	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	40	1640.00	0.695652	±NA	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	50	2150.00	0.911983	±NA	PASS
Band40 (2350- 2360)	10MHz	QPSK	39200	50RB#0	NV	-30	1060.00	0.450106	±NA	PASS
Band40 (2350- 2360)	10MHz	QPSK	39200	50RB#0	NV	-20	870.00	0.369427	±NA	PASS
Band40 (2350- 2360)	10MHz	QPSK	39200	50RB#0	NV	-10	1020.00	0.433121	±NA	PASS
Band40 (2350- 2360)	10MHz	QPSK	39200	50RB#0	NV	0	1140.00	0.484076	±NA	PASS
Band40 (2350- 2360)	10MHz	QPSK	39200	50RB#0	NV	10	1200.00	0.509554	±NA	PASS
Band40 (2350- 2360)	10MHz	QPSK	39200	50RB#0	NV	20	1130.00	0.479830	±NA	PASS
Band40 (2350- 2360)	10MHz	QPSK	39200	50RB#0	NV	30	990.00	0.420382	±NA	PASS
Band40	10MHz	QPSK	39200	50RB#0	NV	40	1040.00	0.441614	±NA	PASS

(2350-2360)										
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	50	790.00	0.335456	±NA	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band40(2305-2315)	5MHz	QPSK	38725	25RB#0	PASS
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	PASS
Band40(2305-2315)	5MHz	QPSK	38775	25RB#0	PASS
Band40(2305-2315)	5MHz	16QAM	38725	25RB#0	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	PASS
Band40(2305-2315)	5MHz	16QAM	38775	25RB#0	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	PASS
Band40(2350-2360)	5MHz	QPSK	39175	25RB#0	PASS
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	PASS
Band40(2350-2360)	5MHz	QPSK	39225	25RB#0	PASS
Band40(2350-2360)	5MHz	16QAM	39175	25RB#0	PASS
Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	PASS
Band40(2350-2360)	5MHz	16QAM	39225	25RB#0	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	PASS

Test Graphs

