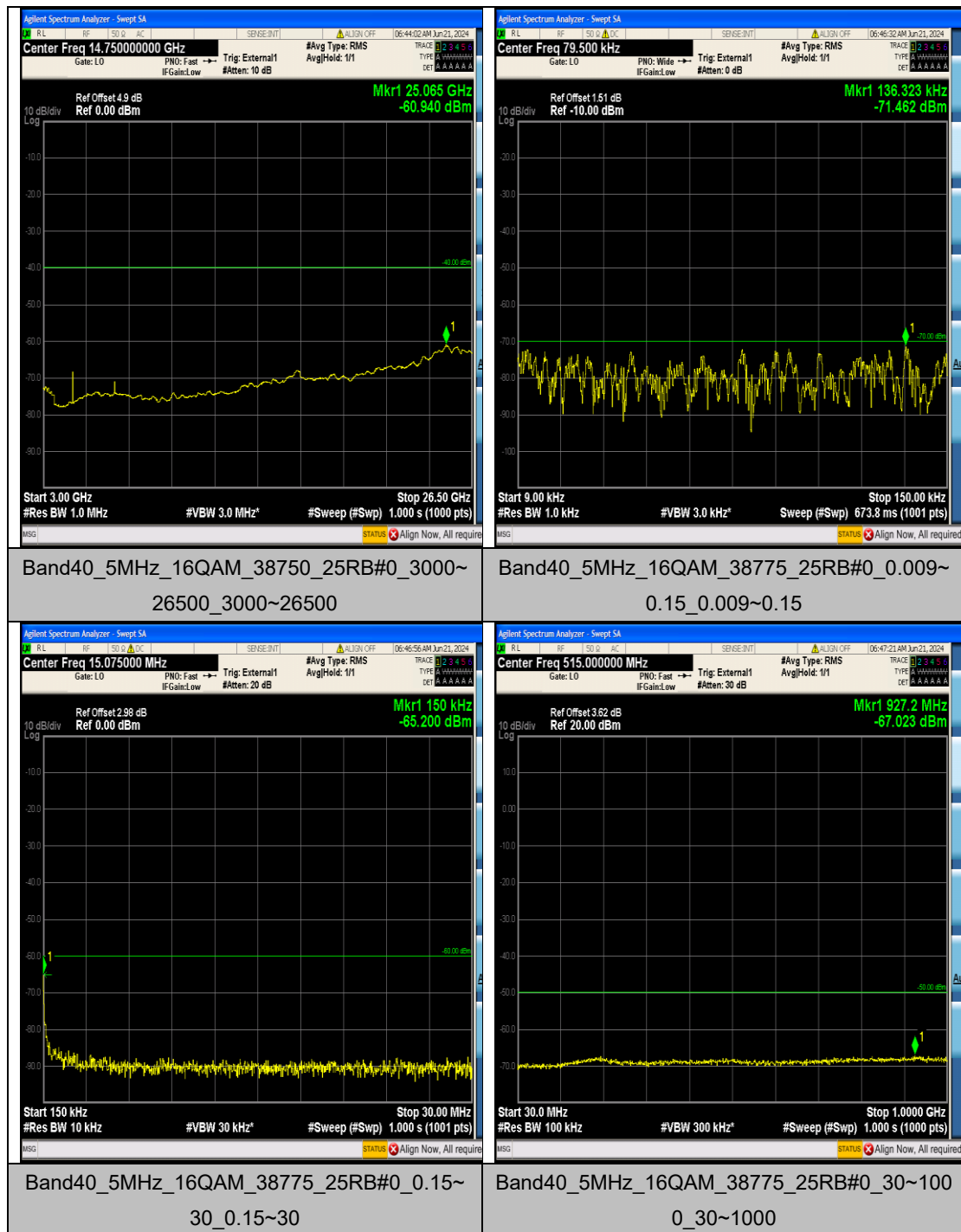
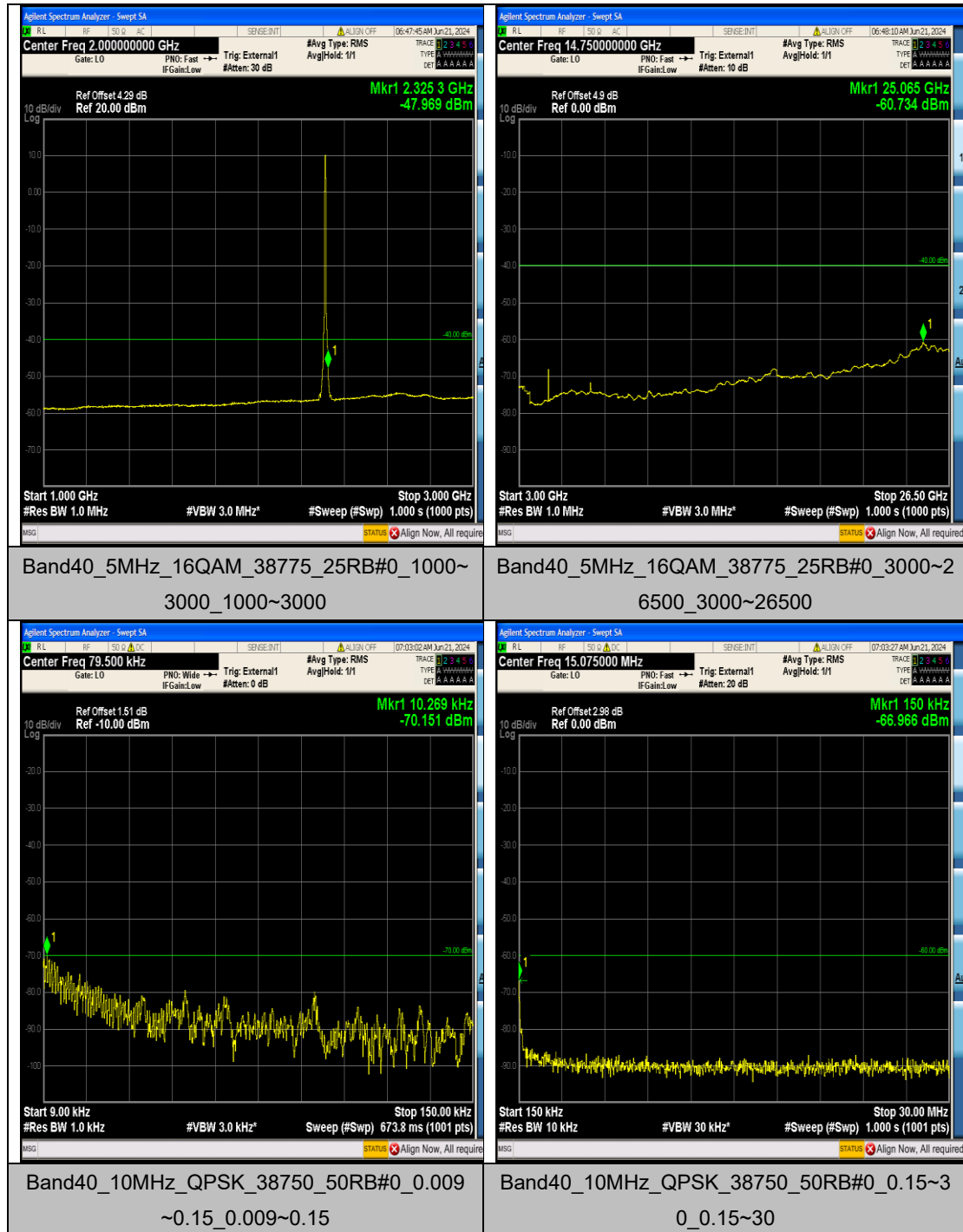
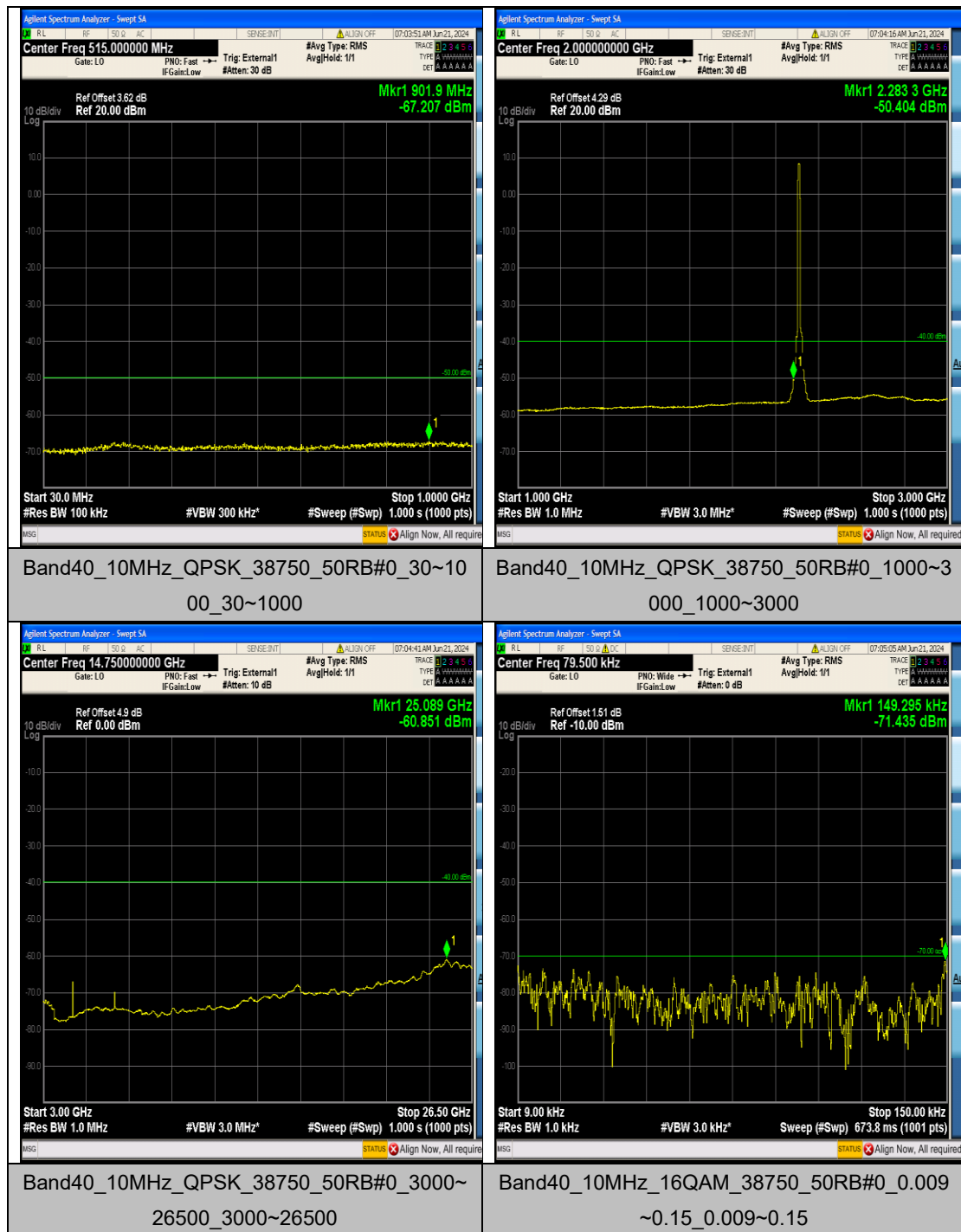
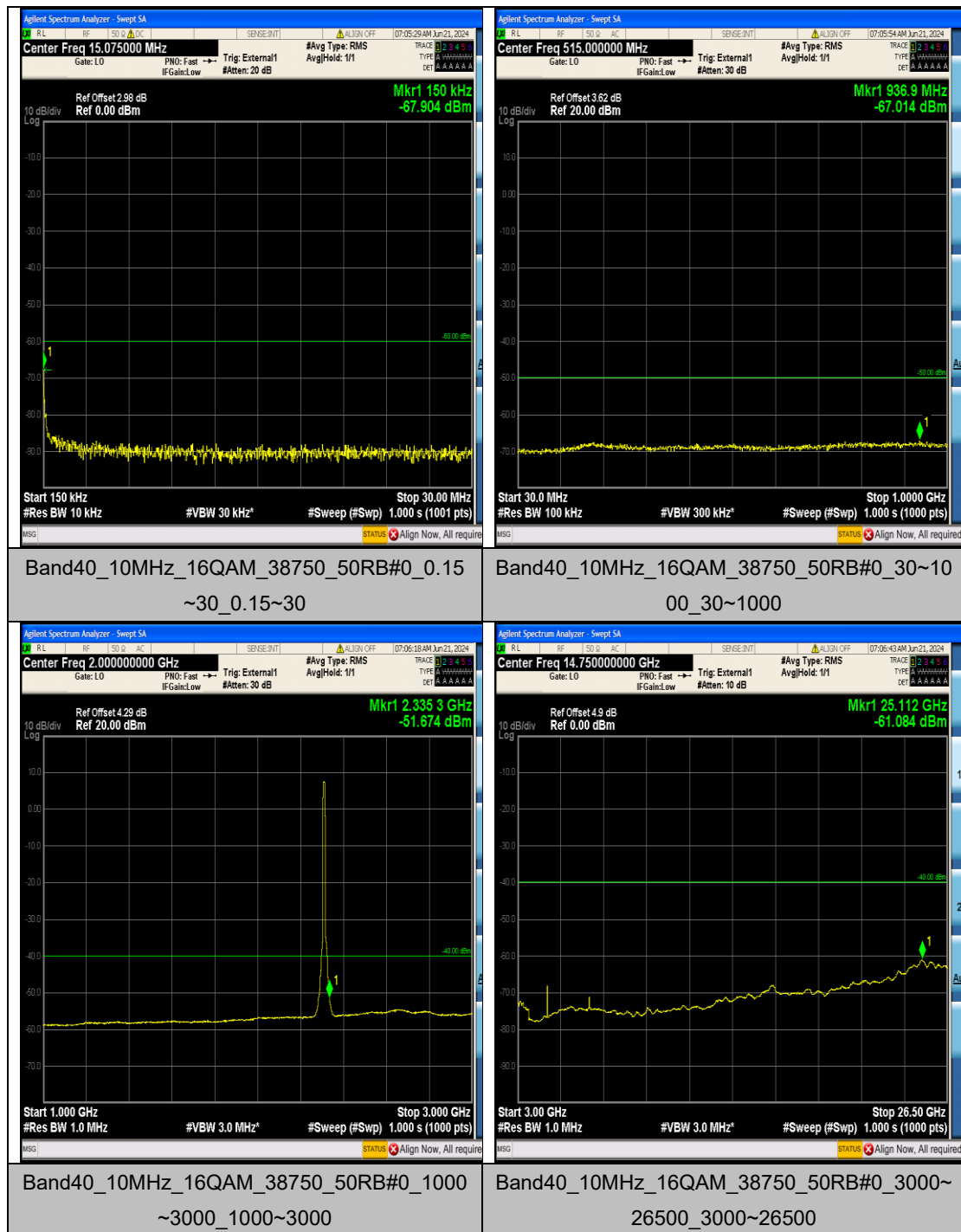
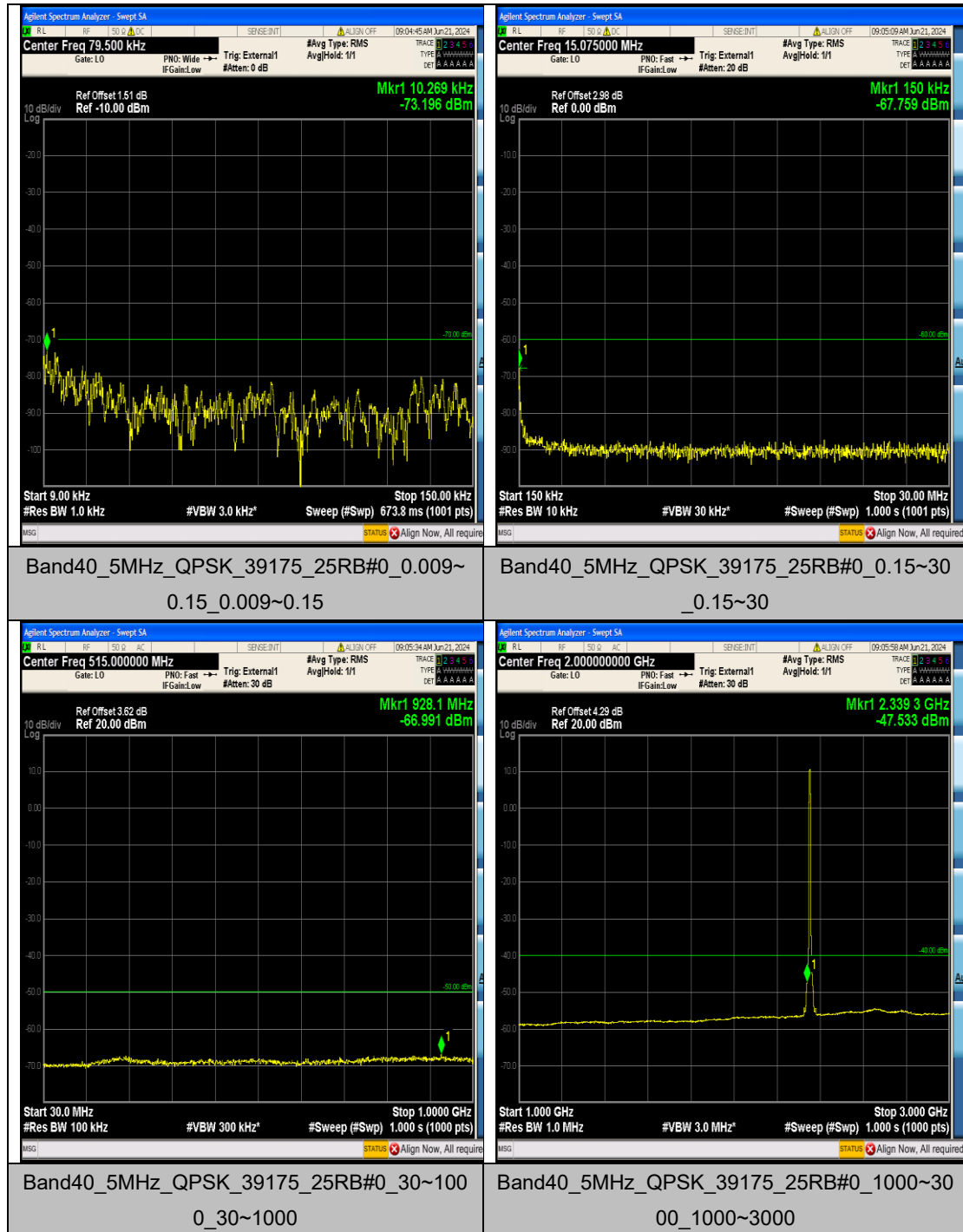


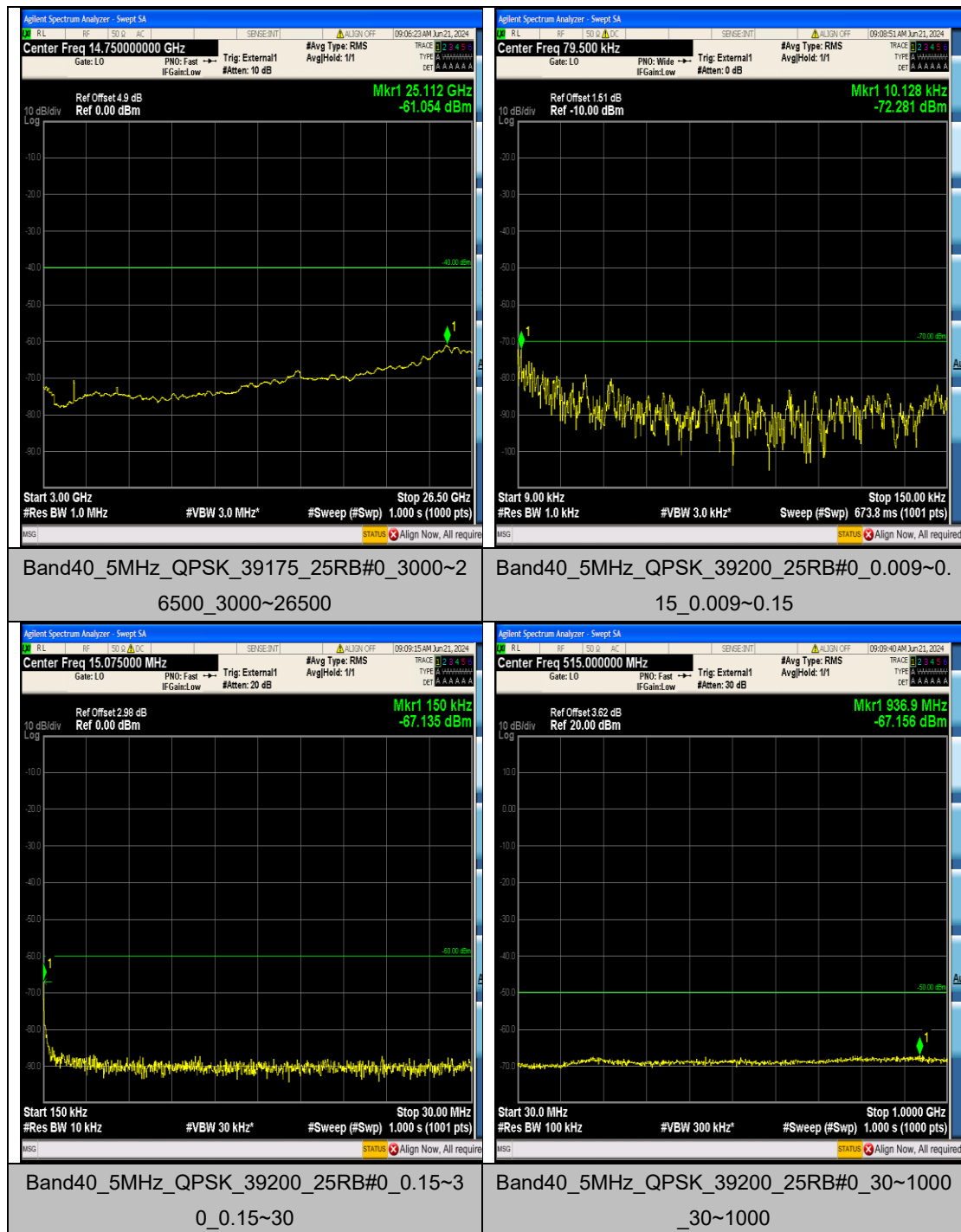


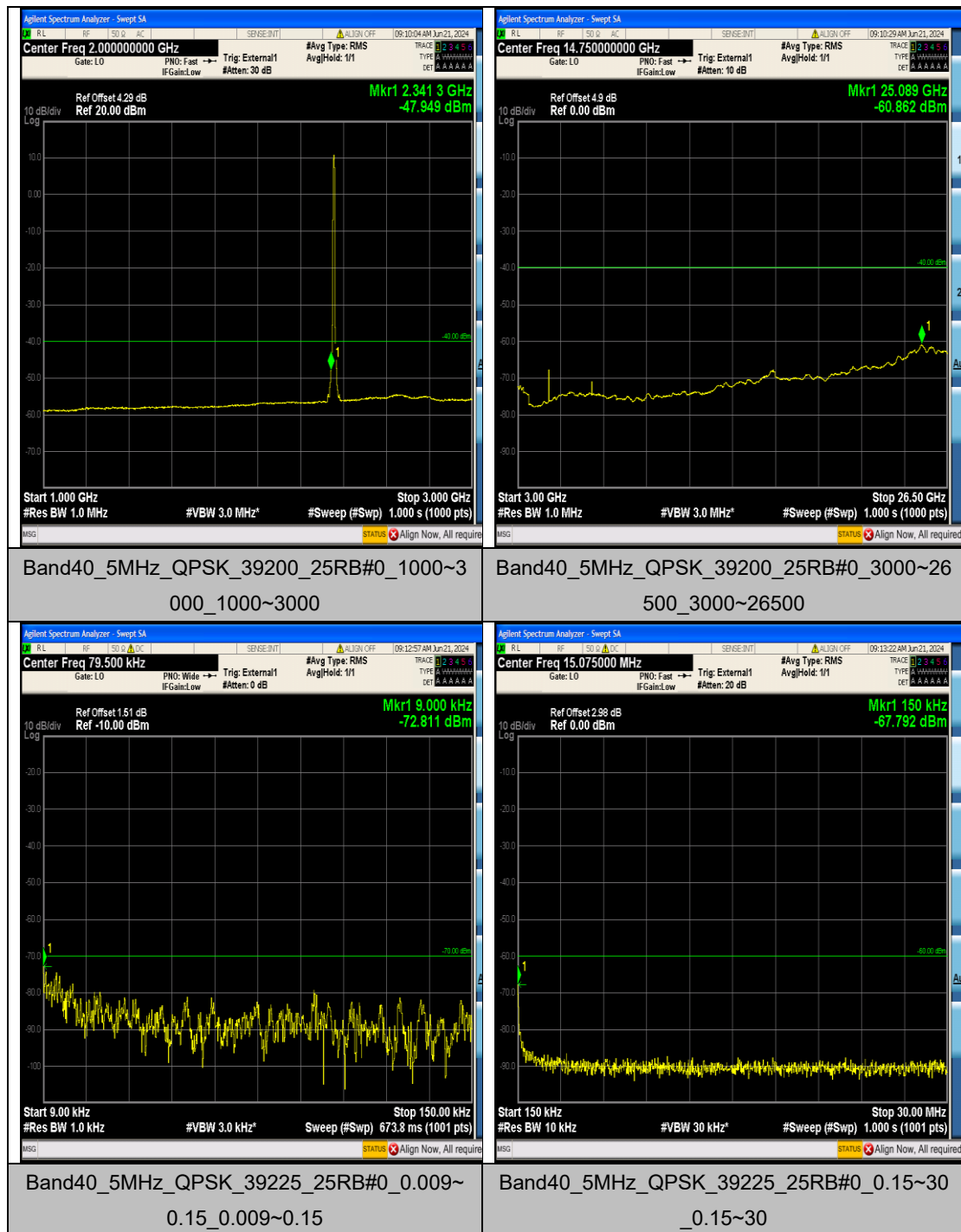


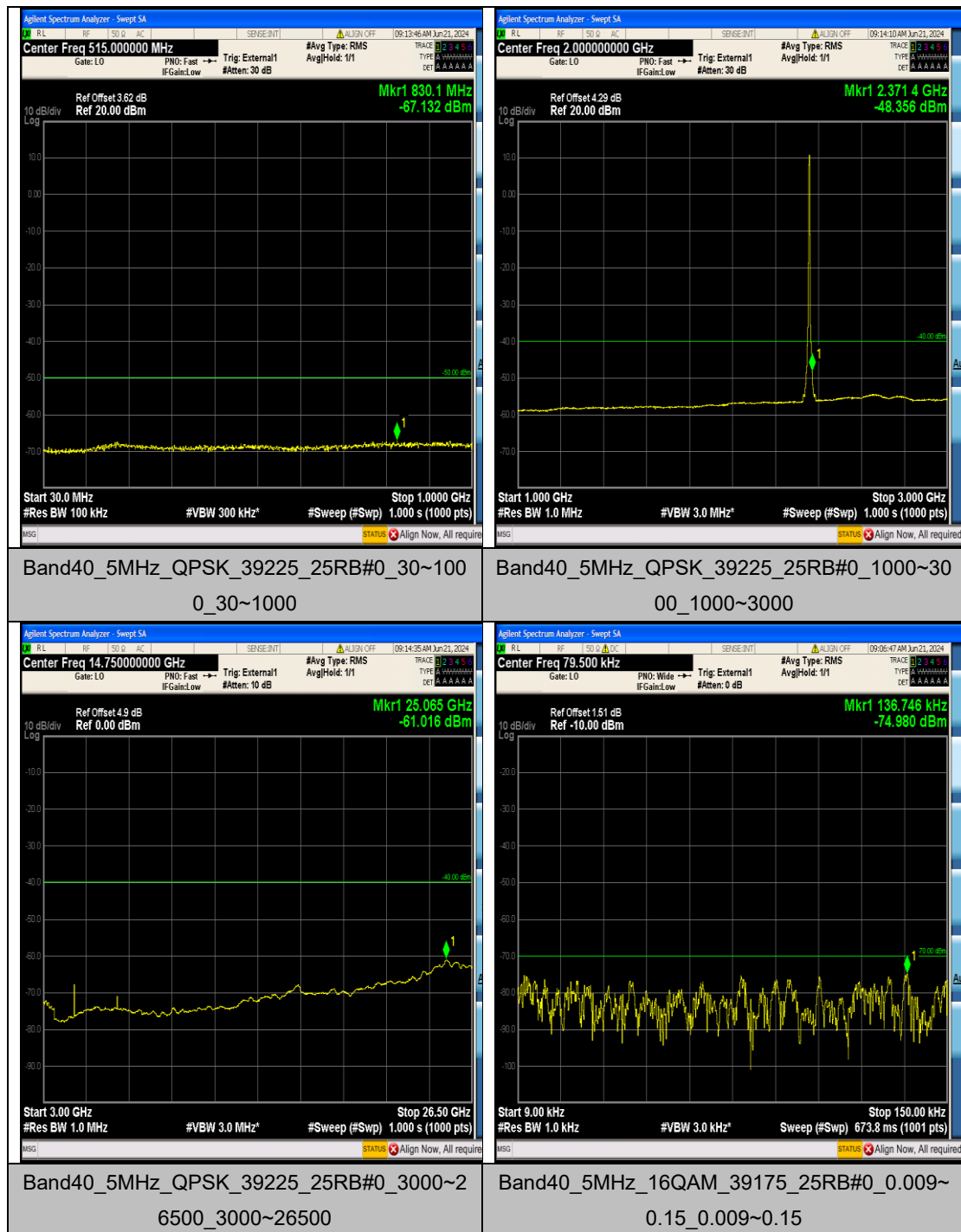


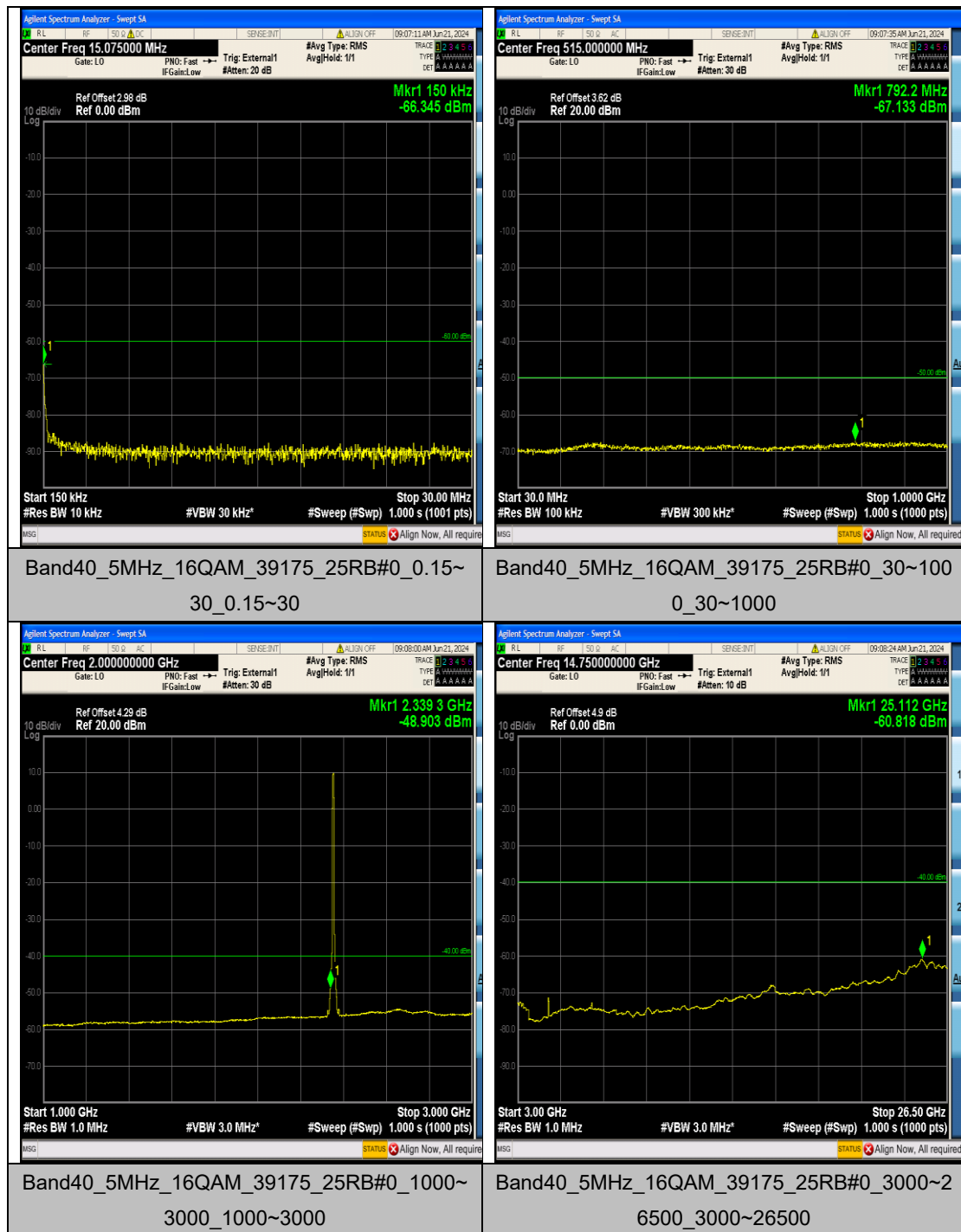


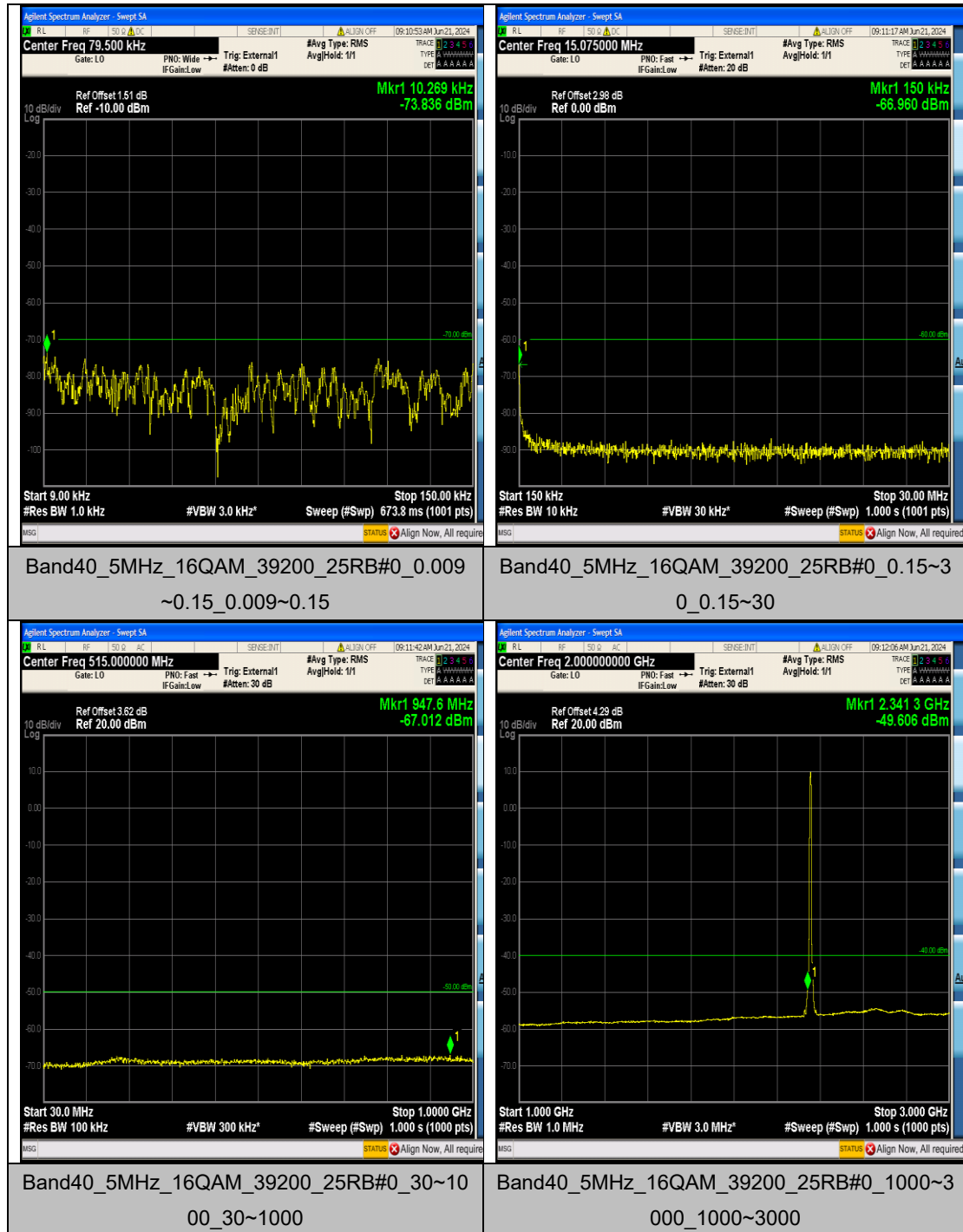


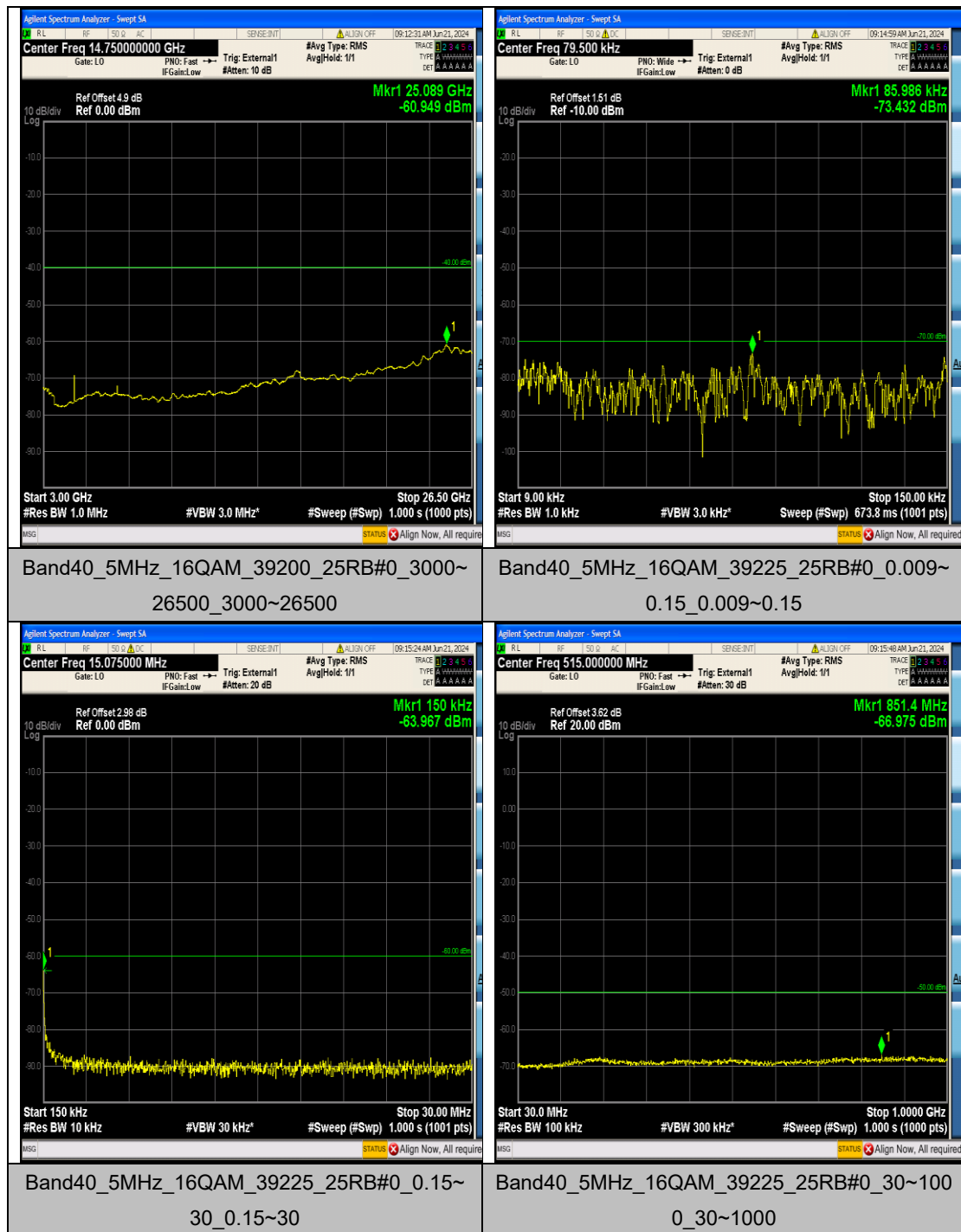


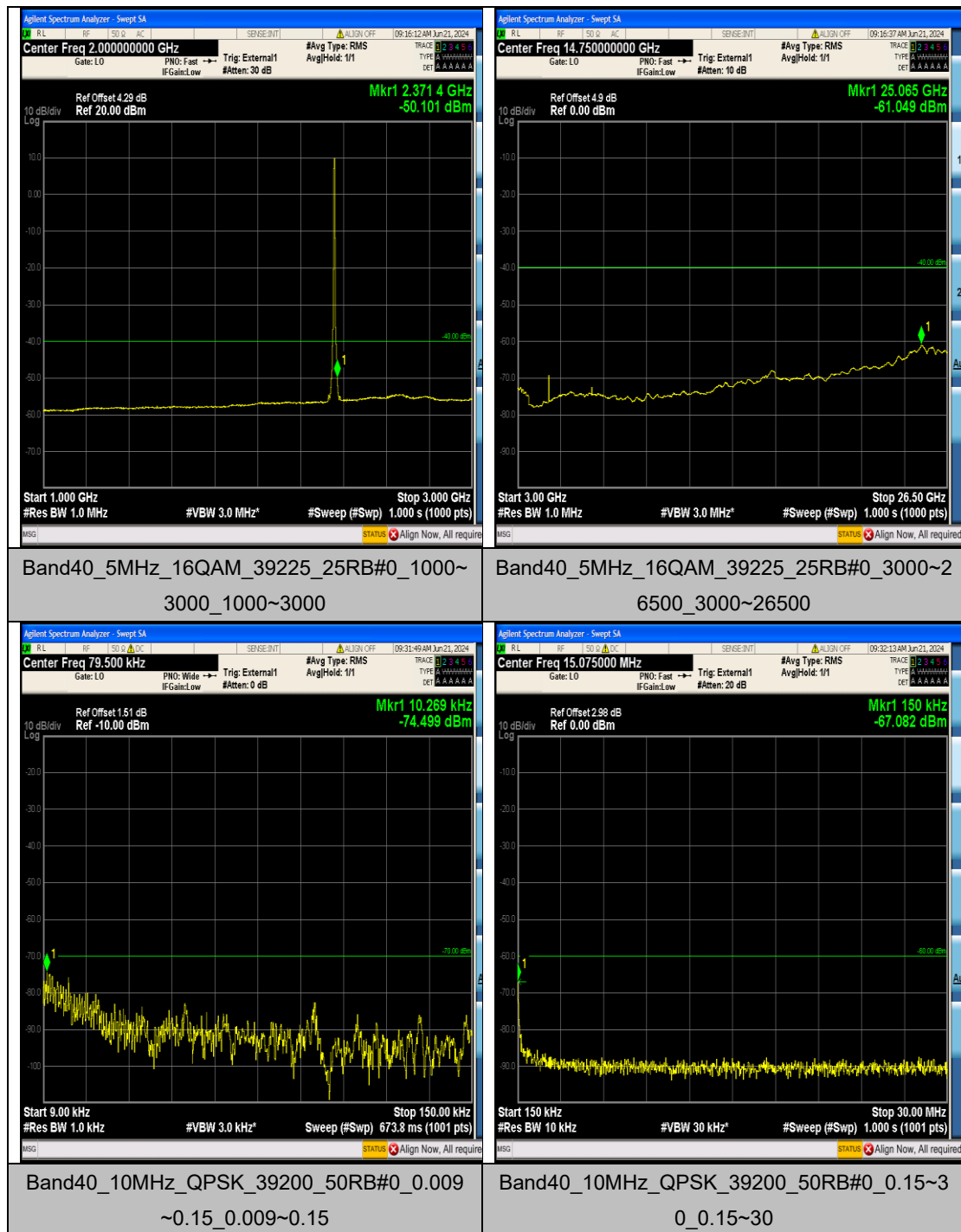


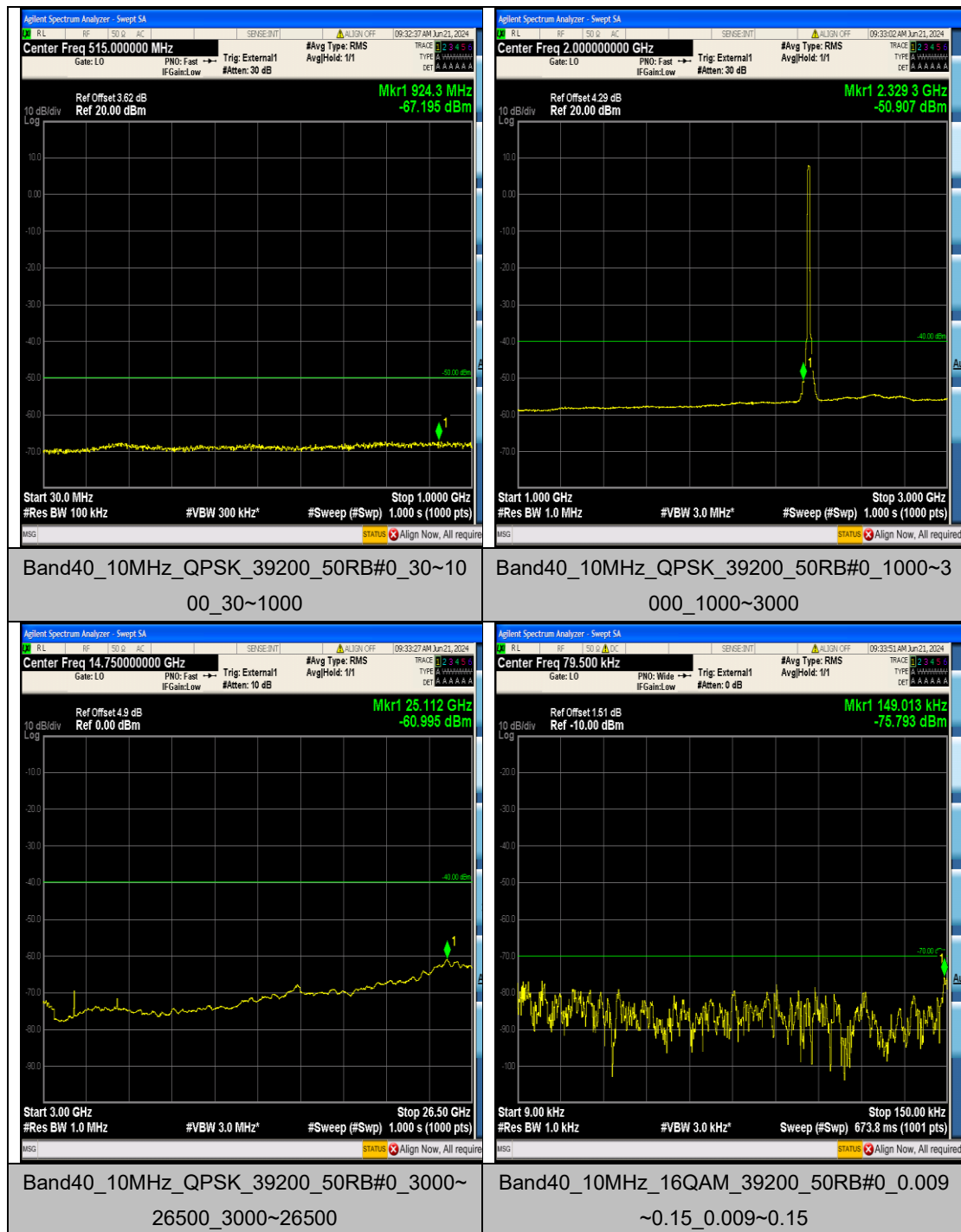


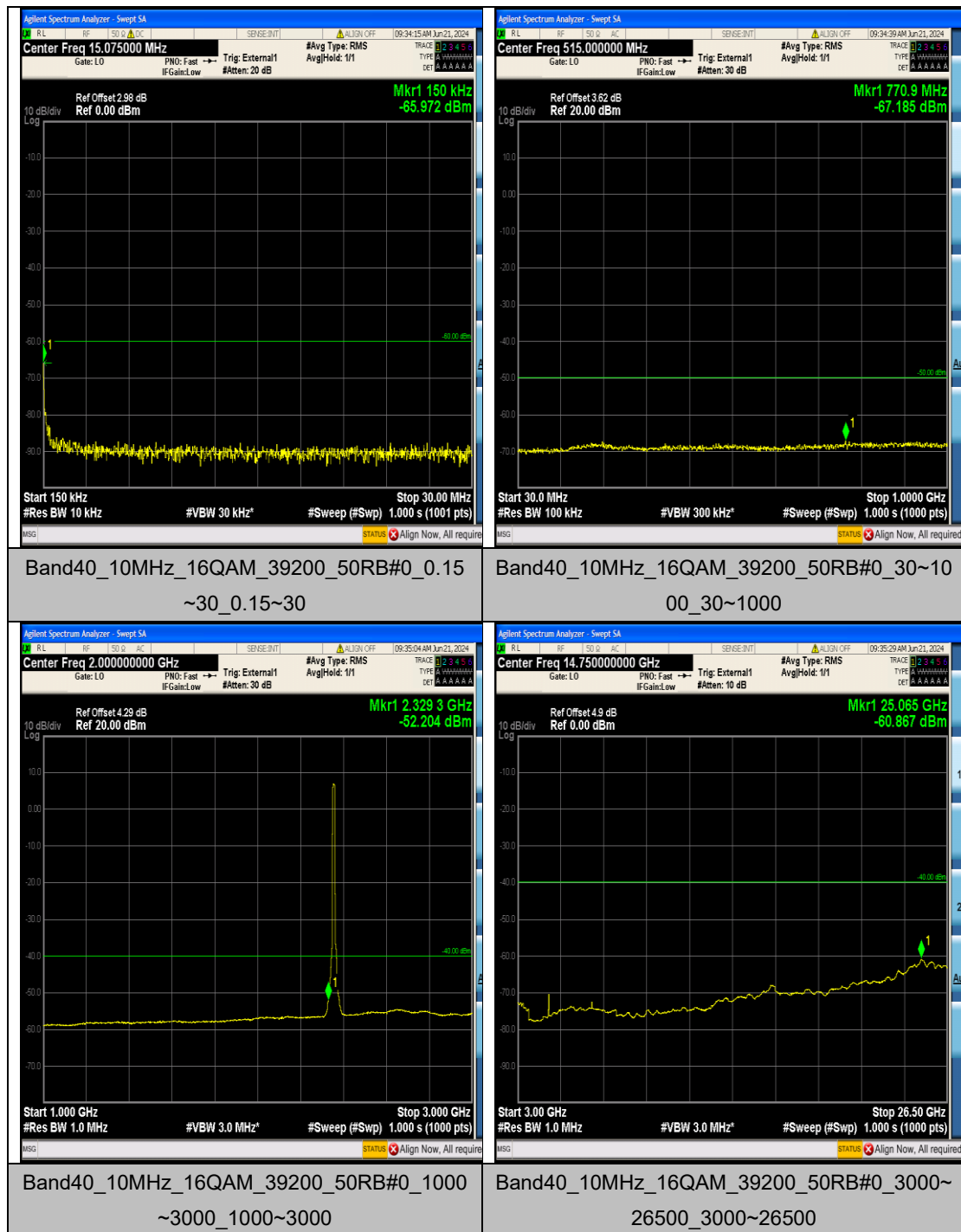












Appendix F: Frequency Stability

Test Result

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	-45.20	-0.019588	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-20	-37.32	-0.016173	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-10	-37.95	-0.016446	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	0	-35.93	-0.015571	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	10	-45.30	-0.019632	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	20	-52.31	-0.022670	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	30	-35.66	-0.015454	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	40	-20.79	-0.009010	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	50	-29.20	-0.012654	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	-30	-33.04	-0.014303	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	-20	-28.10	-0.012165	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	-10	-19.57	-0.008472	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	0	-15.61	-0.006758	±2.5	PASS

(2305-2315)										
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	10	-42.39	-0.018351	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	20	-26.26	-0.011368	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	30	-21.40	-0.009264	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	40	-42.72	-0.018494	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	50	-18.41	-0.007970	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	-30	19.20	0.008303	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	-20	-24.20	-0.010465	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	-10	-19.15	-0.008281	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	0	-18.77	-0.008117	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	10	-54.14	-0.023412	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	20	-28.08	-0.012143	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	30	-17.11	-0.007399	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	40	-17.74	-0.007671	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	50	-12.85	-0.005557	±2.5	PASS

2315)										
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	-30	-32.33	-0.014011	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	-20	-19.47	-0.008438	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	-10	-39.63	-0.017174	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	0	-21.14	-0.009161	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	10	14.00	0.006067	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	20	-36.39	-0.015770	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	30	-23.65	-0.010249	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	40	-21.16	-0.009170	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	50	31.87	0.013811	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38750	25RB#0	NV	-30	-27.74	-0.012009	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38750	25RB#0	NV	-20	-26.25	-0.011364	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38750	25RB#0	NV	-10	-35.10	-0.015195	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38750	25RB#0	NV	0	-27.74	-0.012009	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38750	25RB#0	NV	10	-20.16	-0.008727	±2.5	PASS

Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	20	-37.98	-0.016442	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	30	-27.29	-0.011814	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	40	-18.80	-0.008139	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	50	-39.04	-0.016900	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-30	-34.32	-0.014841	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-20	-37.08	-0.016035	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-10	-48.47	-0.020960	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	0	19.61	0.008480	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	10	-15.28	-0.006608	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	20	-43.62	-0.018863	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	30	-31.63	-0.013678	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	40	-33.67	-0.014560	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	50	-37.84	-0.016363	±2.5	PASS
Band40 (2305-2315)	10MHz	QPSK	38750	50RB#0	NV	-30	-43.14	-0.018675	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	NV	-20	-36.36	-0.015740	±2.5	PASS

(2305-2315)										
Band40 (2305-2315)	10MHz	QPSK	38750	50RB#0	NV	-10	14.86	0.006433	±2.5	PASS
Band40 (2305-2315)	10MHz	QPSK	38750	50RB#0	NV	0	-27.82	-0.012043	±2.5	PASS
Band40 (2305-2315)	10MHz	QPSK	38750	50RB#0	NV	10	-37.29	-0.016143	±2.5	PASS
Band40 (2305-2315)	10MHz	QPSK	38750	50RB#0	NV	20	-17.22	-0.007455	±2.5	PASS
Band40 (2305-2315)	10MHz	QPSK	38750	50RB#0	NV	30	-46.42	-0.020095	±2.5	PASS
Band40 (2305-2315)	10MHz	QPSK	38750	50RB#0	NV	40	-36.15	-0.015649	±2.5	PASS
Band40 (2305-2315)	10MHz	QPSK	38750	50RB#0	NV	50	-26.34	-0.011403	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	-30	34.07	0.014749	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	-20	-38.17	-0.016524	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	-10	-27.49	-0.011900	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	0	-50.27	-0.021762	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	10	-32.77	-0.014186	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	20	-40.86	-0.017688	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	30	-47.49	-0.020558	±2.5	PASS

2315)										
Band40 (2305- 2315)	10MHz	16QAM	38750	50RB#0	NV	40	25.52	0.011048	±2.5	PASS
Band40 (2305- 2315)	10MHz	16QAM	38750	50RB#0	NV	50	-35.76	-0.015481	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	-30	-38.08	-0.016187	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	-20	-20.16	-0.008570	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	-10	-17.08	-0.007260	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	0	15.38	0.006538	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	10	20.99	0.008922	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	20	-28.24	-0.012004	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	30	-22.57	-0.009594	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	40	-40.81	-0.017348	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	50	-42.24	-0.017955	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	-30	-25.52	-0.010837	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	-20	-31.96	-0.013571	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	-10	-49.01	-0.020811	±2.5	PASS

Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	0	-16.54	-0.007023	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	10	-28.31	-0.012021	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	20	-27.87	-0.011834	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	30	-22.49	-0.009550	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	40	-39.08	-0.016594	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	50	-25.52	-0.010837	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	-30	-48.21	-0.020450	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	-20	-30.38	-0.012887	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	-10	-42.07	-0.017845	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	0	-59.05	-0.025048	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	10	-36.52	-0.015491	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	20	-7.21	-0.003058	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	30	-23.07	-0.009786	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	40	-24.59	-0.010431	±2.5	PASS
Band40	5MHz	QPSK	39225	25RB#0	NV	50	-66.25	-0.028102	±2.5	PASS

(2350-2360)										
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	-30	-36.52	-0.015524	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	-20	-28.34	-0.012047	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	-10	-23.17	-0.009849	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	0	-20.03	-0.008514	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	10	-55.96	-0.023787	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	20	9.77	0.004153	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	30	-33.77	-0.014355	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	40	-35.72	-0.015184	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	50	-32.57	-0.013845	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39200	25RB#0	NV	-30	-20.11	-0.008539	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39200	25RB#0	NV	-20	-26.15	-0.011104	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39200	25RB#0	NV	-10	-33.73	-0.014323	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39200	25RB#0	NV	0	-46.72	-0.019839	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39200	25RB#0	NV	10	-27.04	-0.011482	±2.5	PASS

2360)										
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	20	-26.38	-0.011202	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	30	-42.27	-0.017949	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	40	-40.01	-0.016989	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	50	-44.22	-0.018777	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	-30	-21.01	-0.008912	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	-20	-22.00	-0.009332	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	-10	-36.75	-0.015589	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	0	32.04	0.013591	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	10	-43.03	-0.018252	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	20	-29.81	-0.012645	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	30	-47.65	-0.020212	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	40	14.62	0.006201	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	50	-13.40	-0.005684	±2.5	PASS
Band40 (2350- 2360)	10MHz	QPSK	39200	50RB#0	NV	-30	-22.30	-0.009469	±2.5	PASS

Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	-20	-17.67	-0.007503	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	-10	-27.72	-0.011771	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	0	-33.27	-0.014127	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	10	-37.54	-0.015941	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	20	-32.49	-0.013796	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	30	-49.78	-0.021138	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	40	27.31	0.011597	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	50	12.40	0.005265	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-30	-47.56	-0.020195	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-20	-26.19	-0.011121	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-10	-40.90	-0.017367	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	0	-29.23	-0.012412	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	10	-29.98	-0.012730	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	20	-51.76	-0.021979	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	30	-42.41	-0.018008	±2.5	PASS

(2350-2360)										
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	40	-34.15	-0.014501	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	50	-52.07	-0.022110	±2.5	PASS