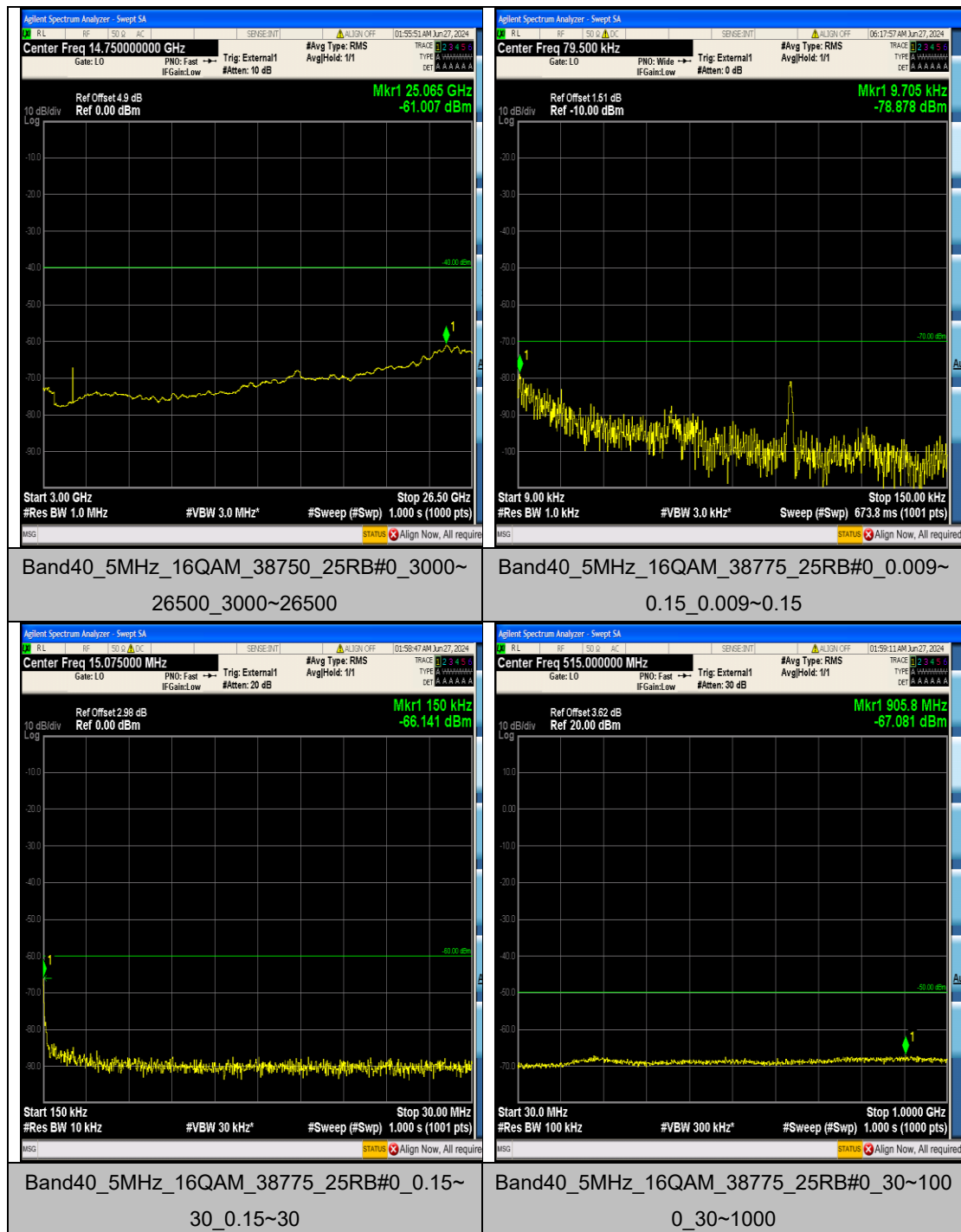
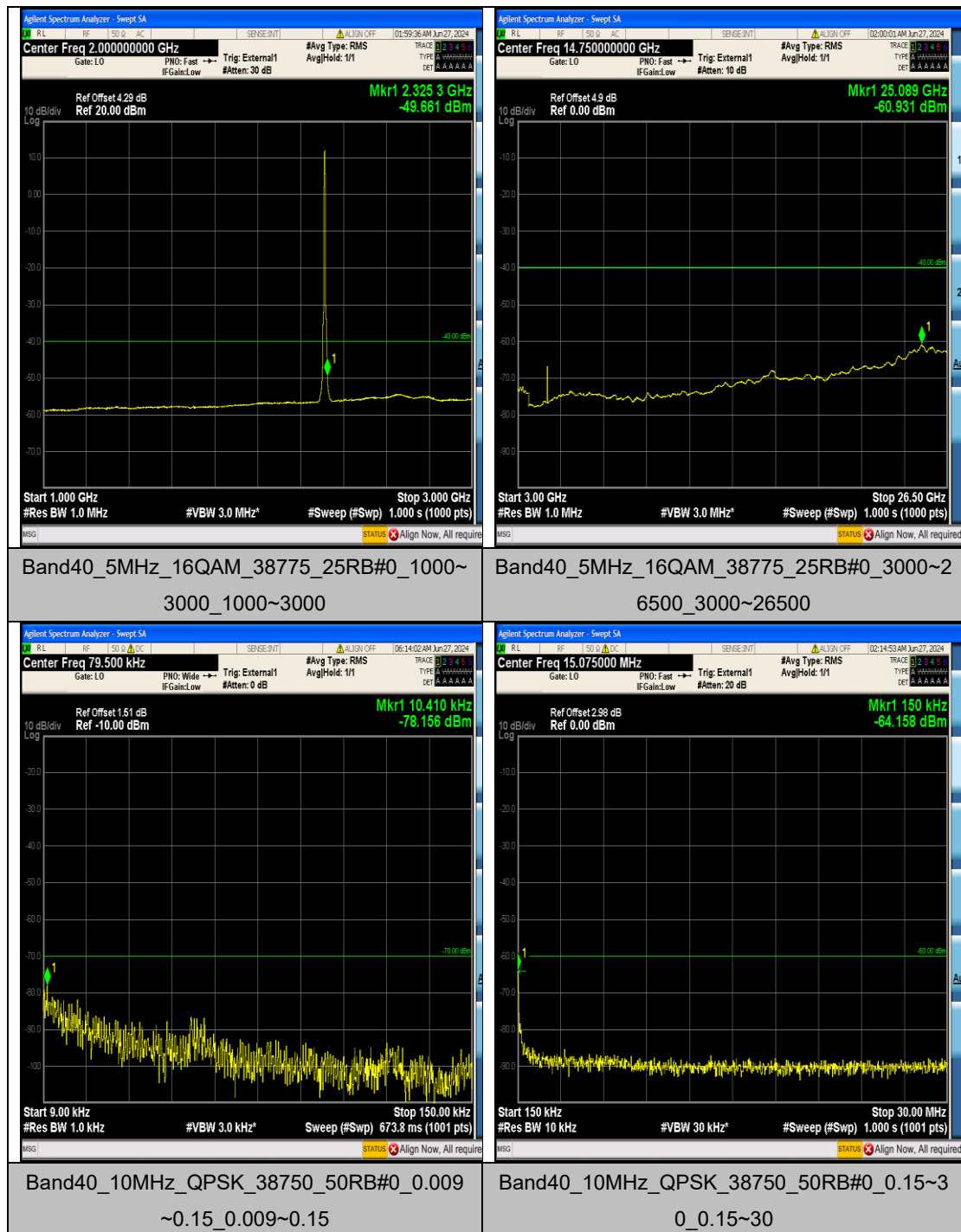
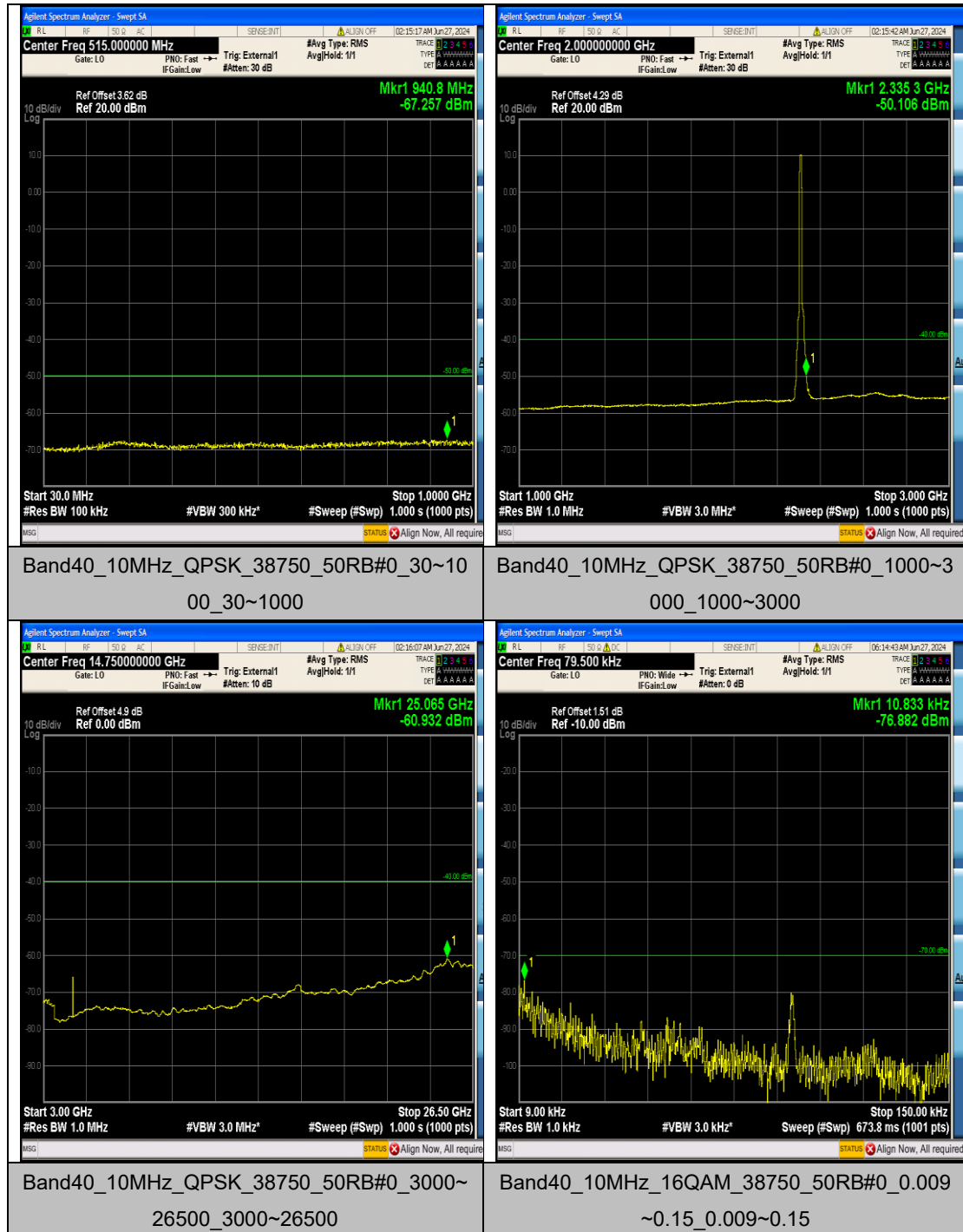
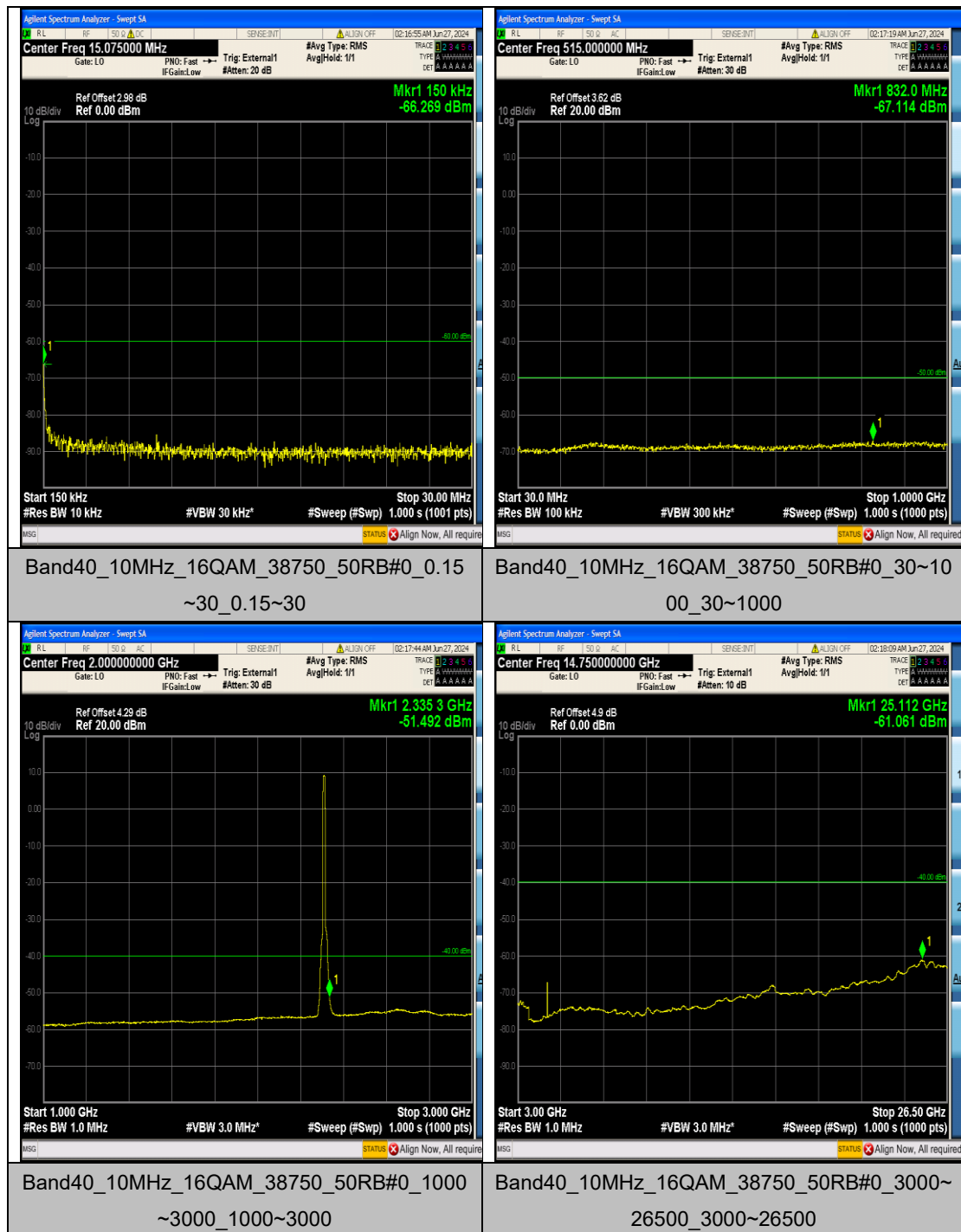
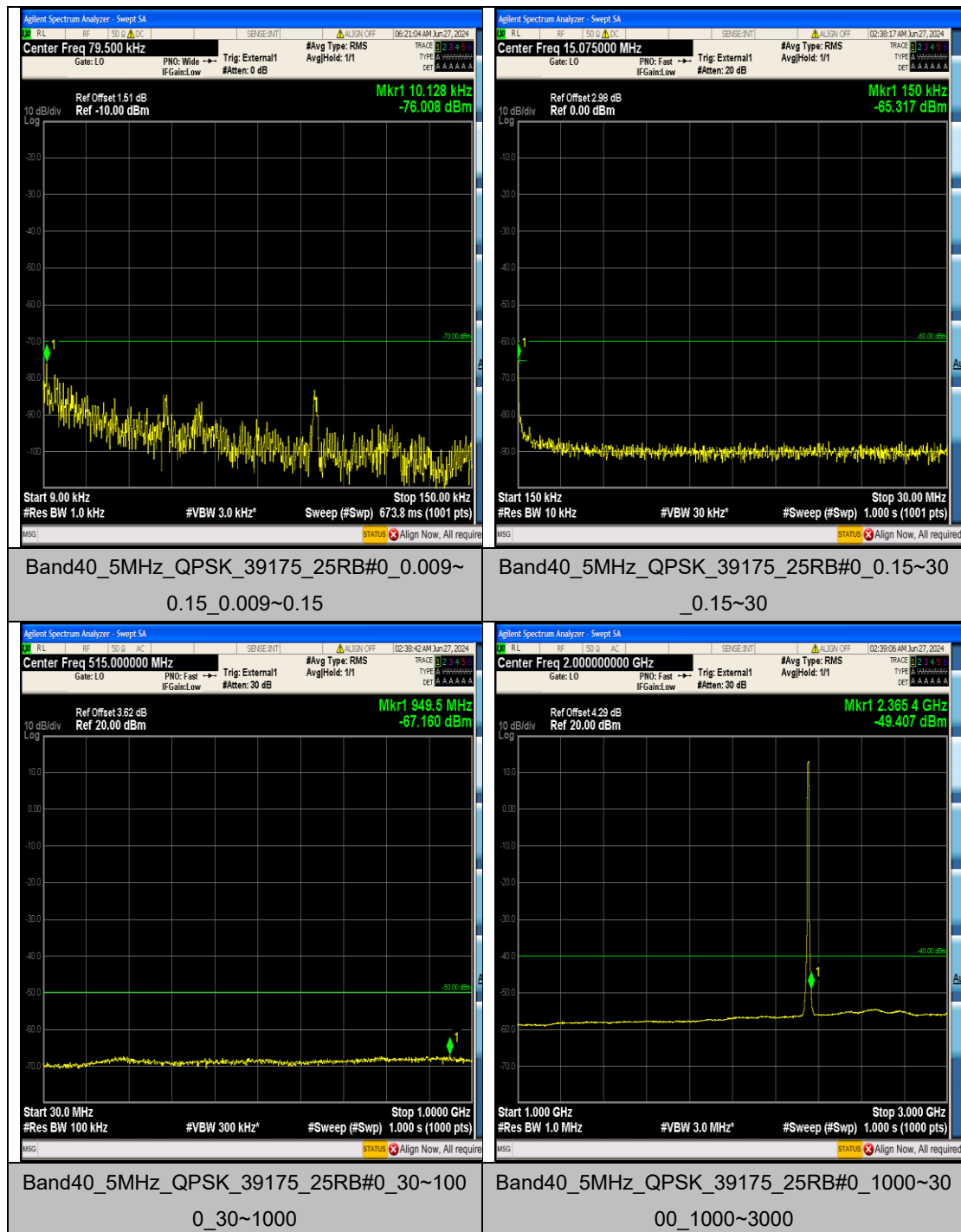


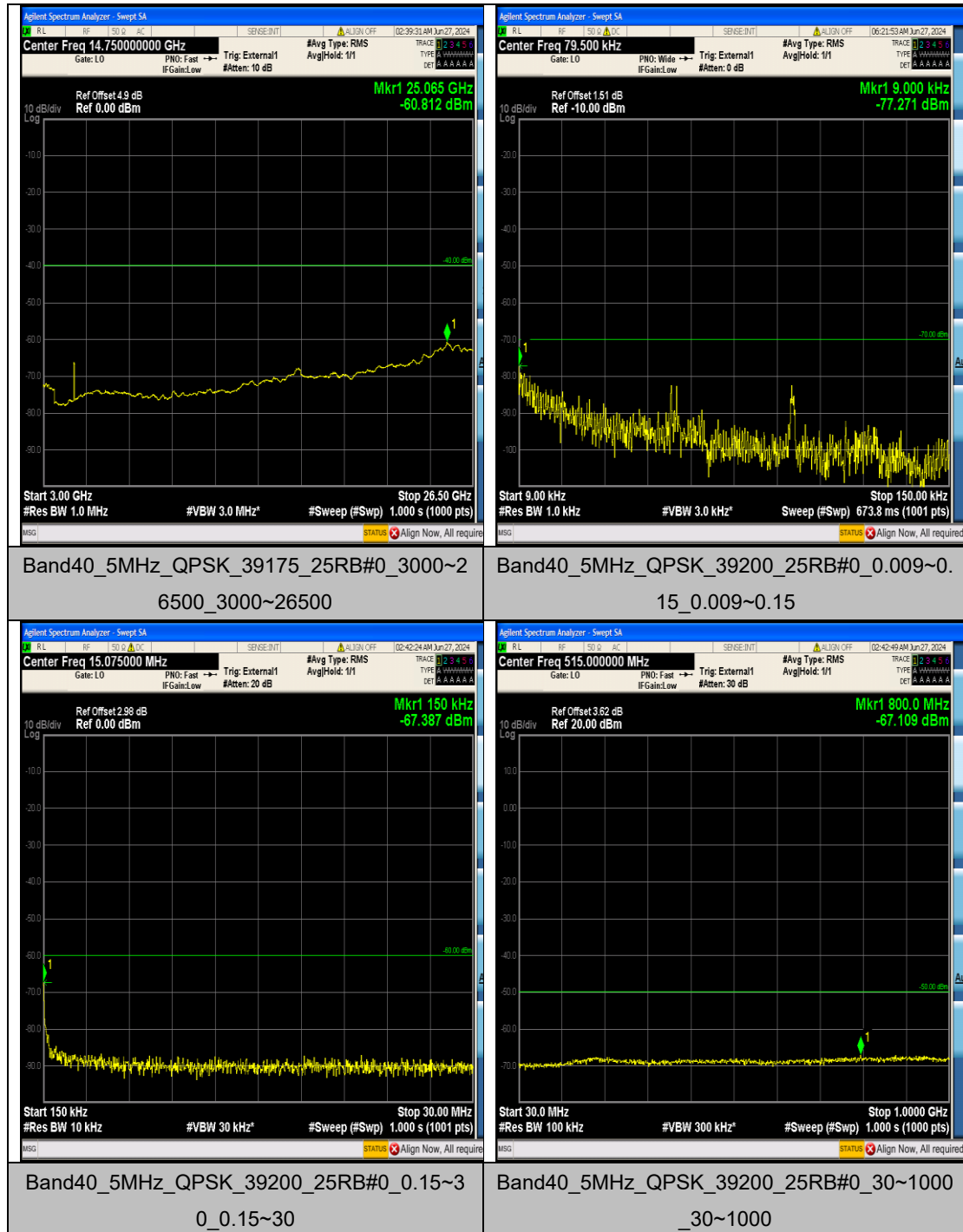


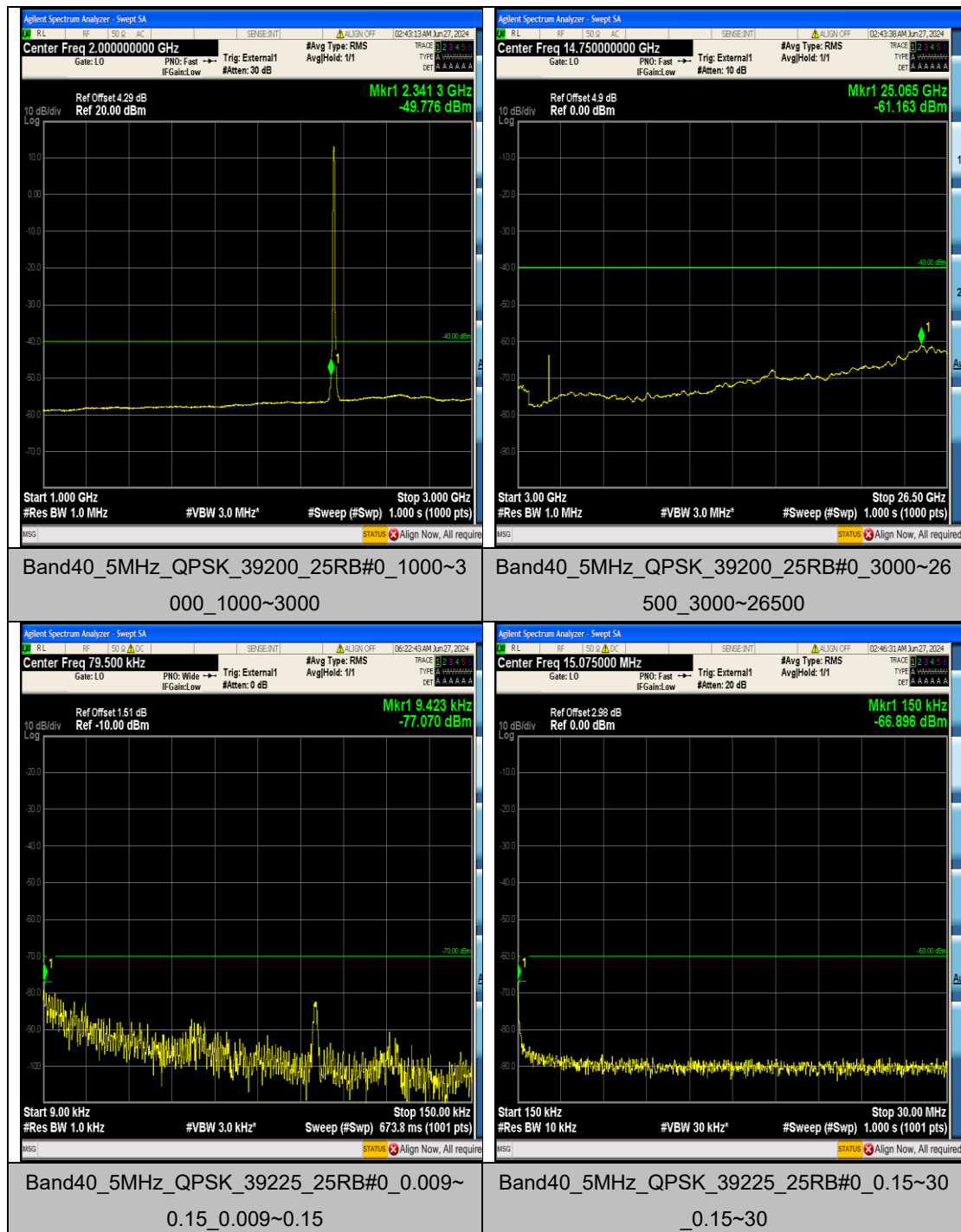


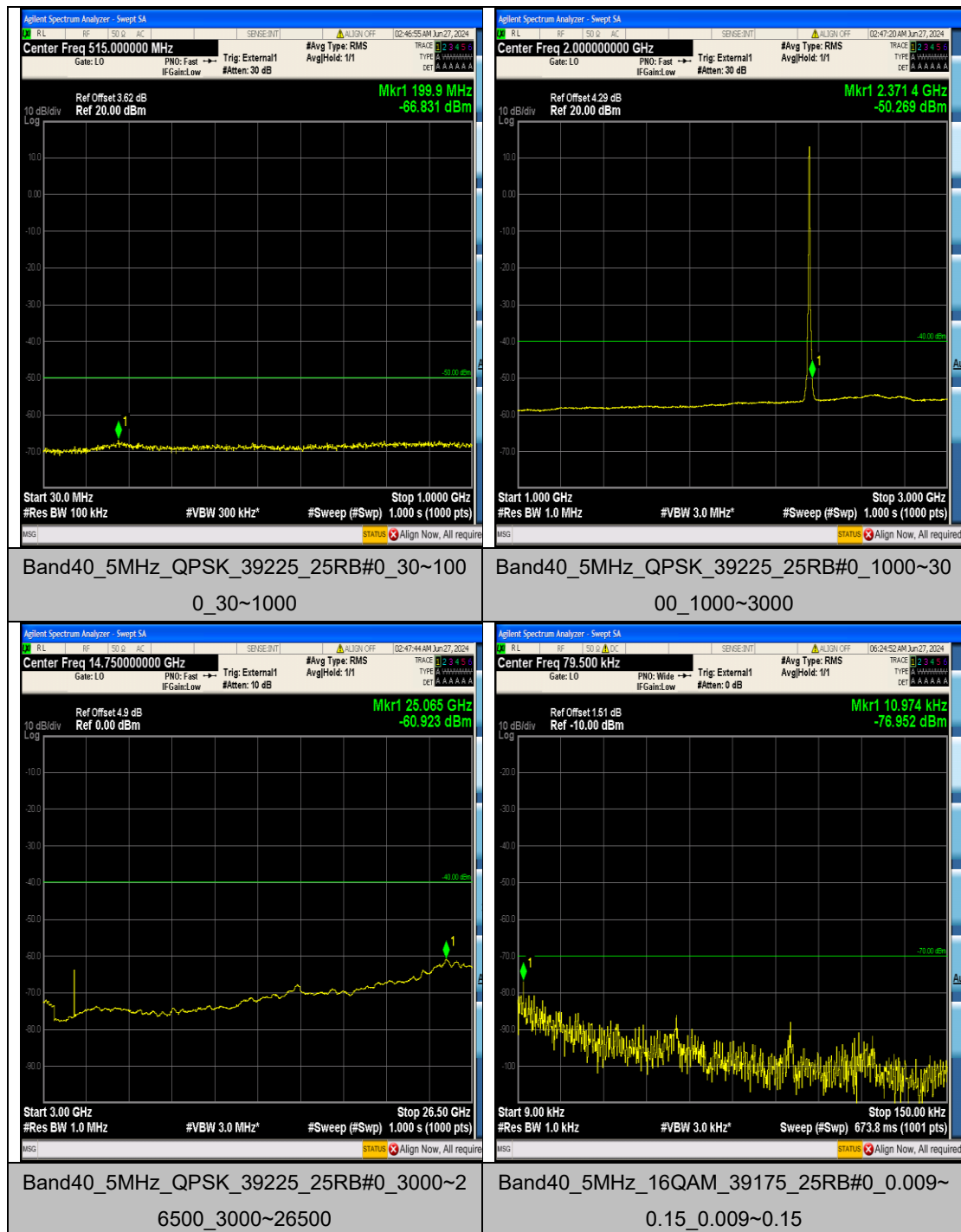


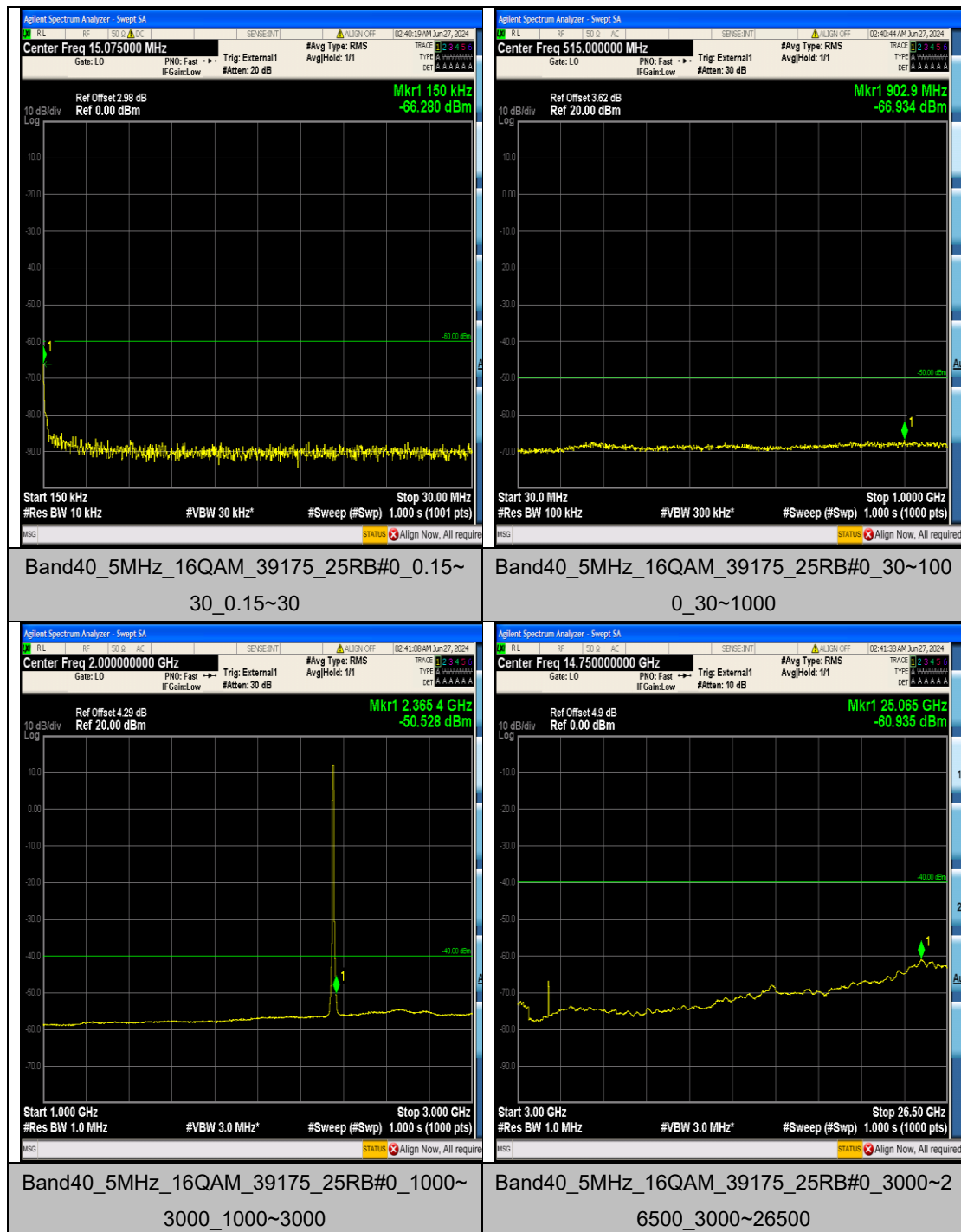


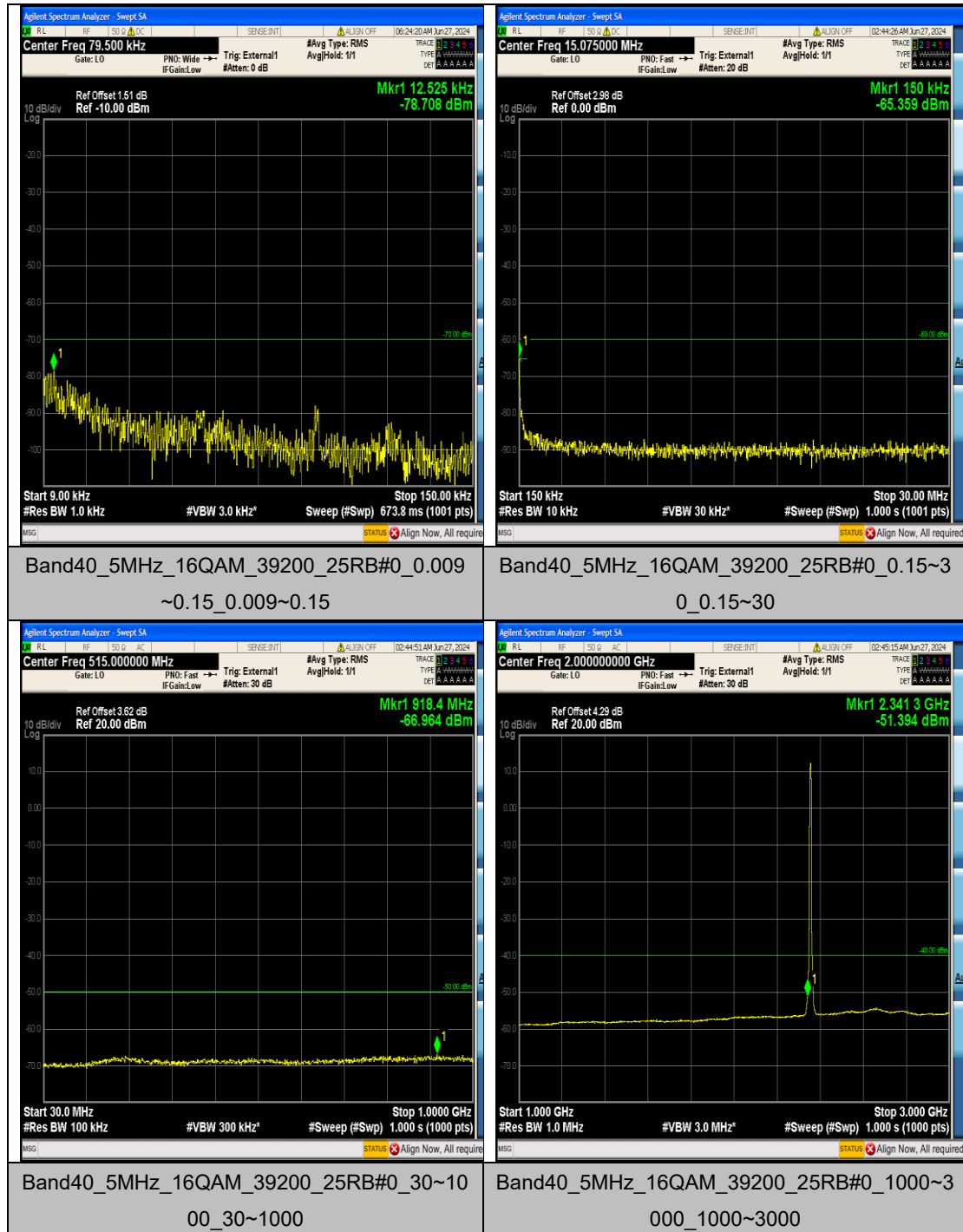


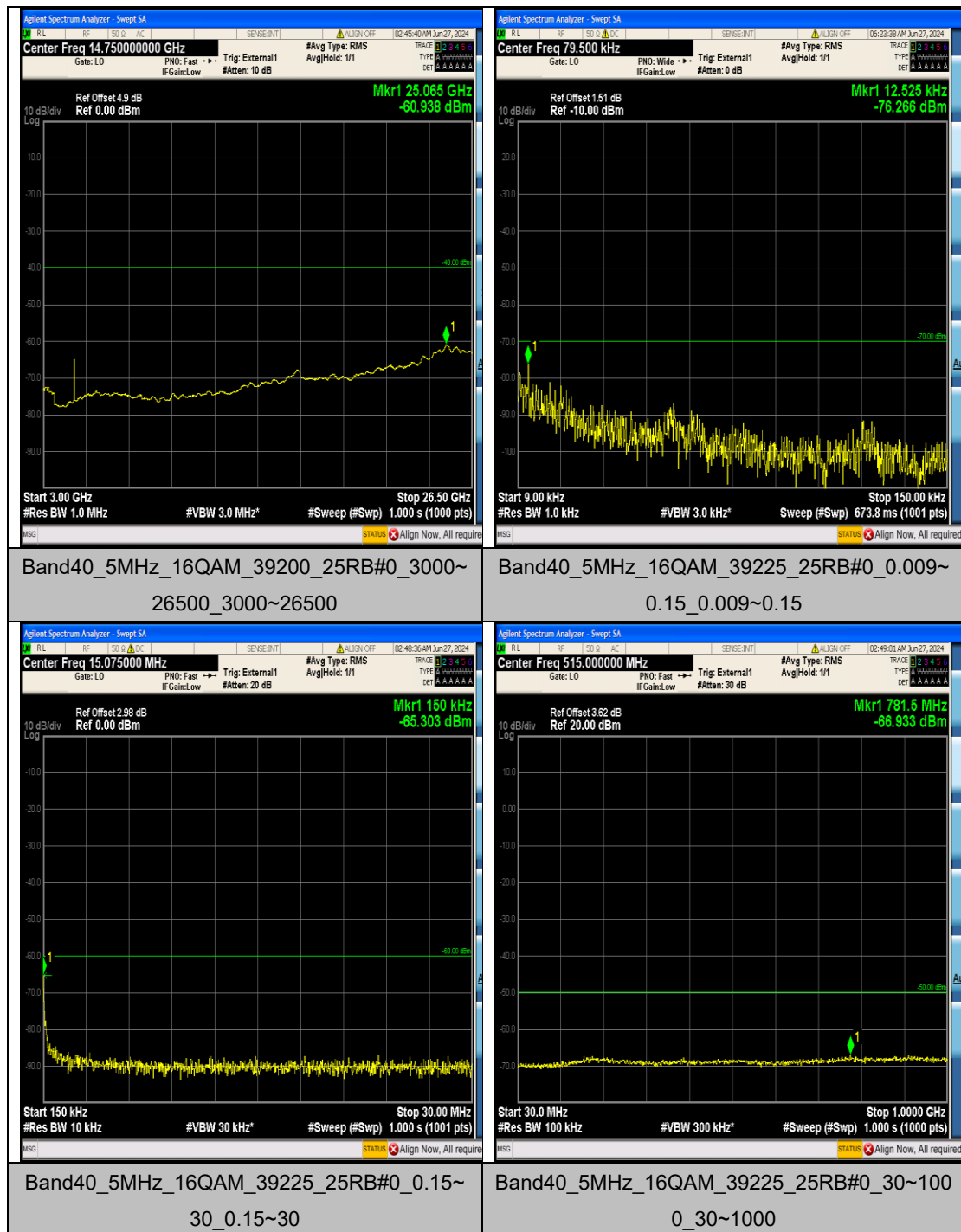


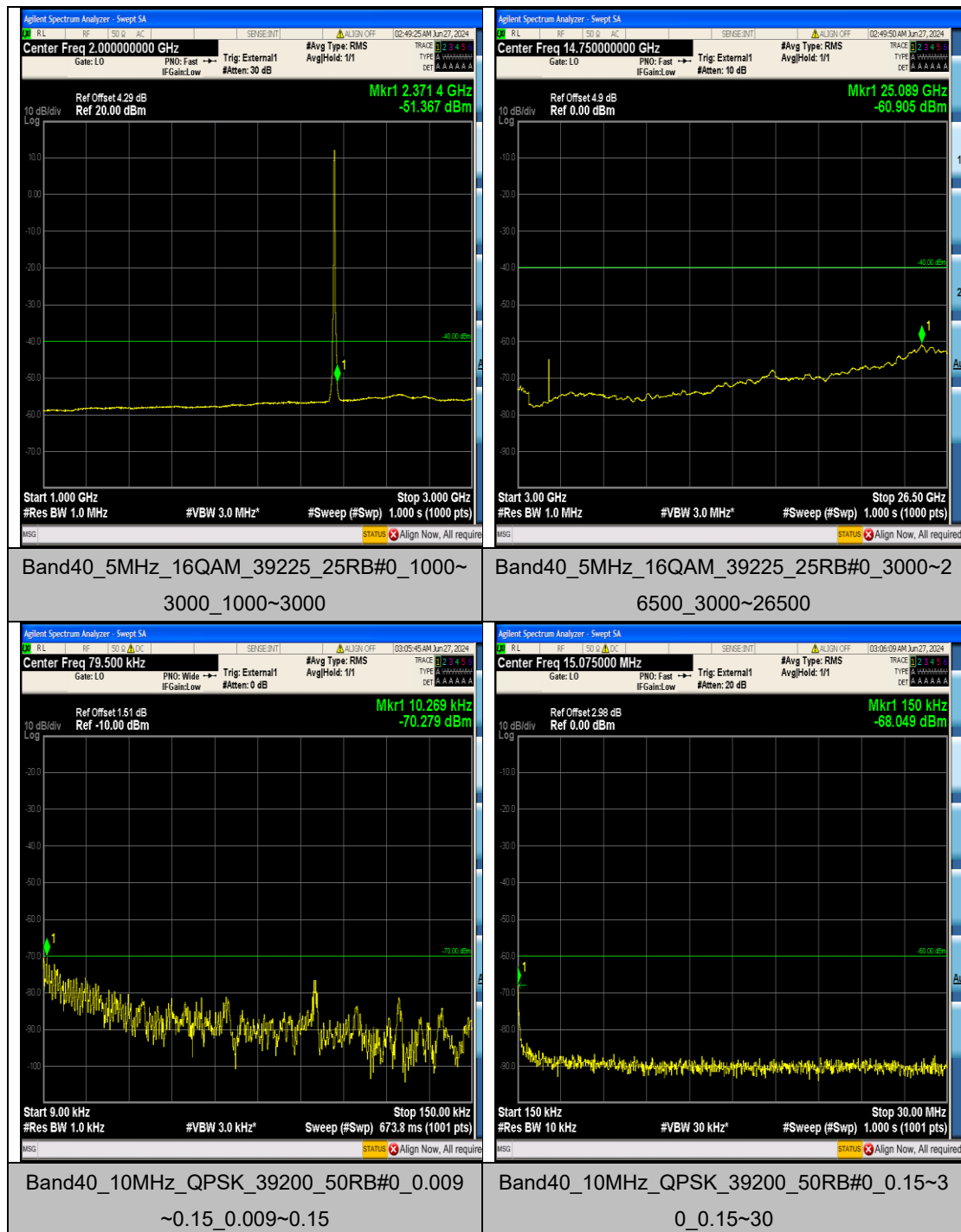


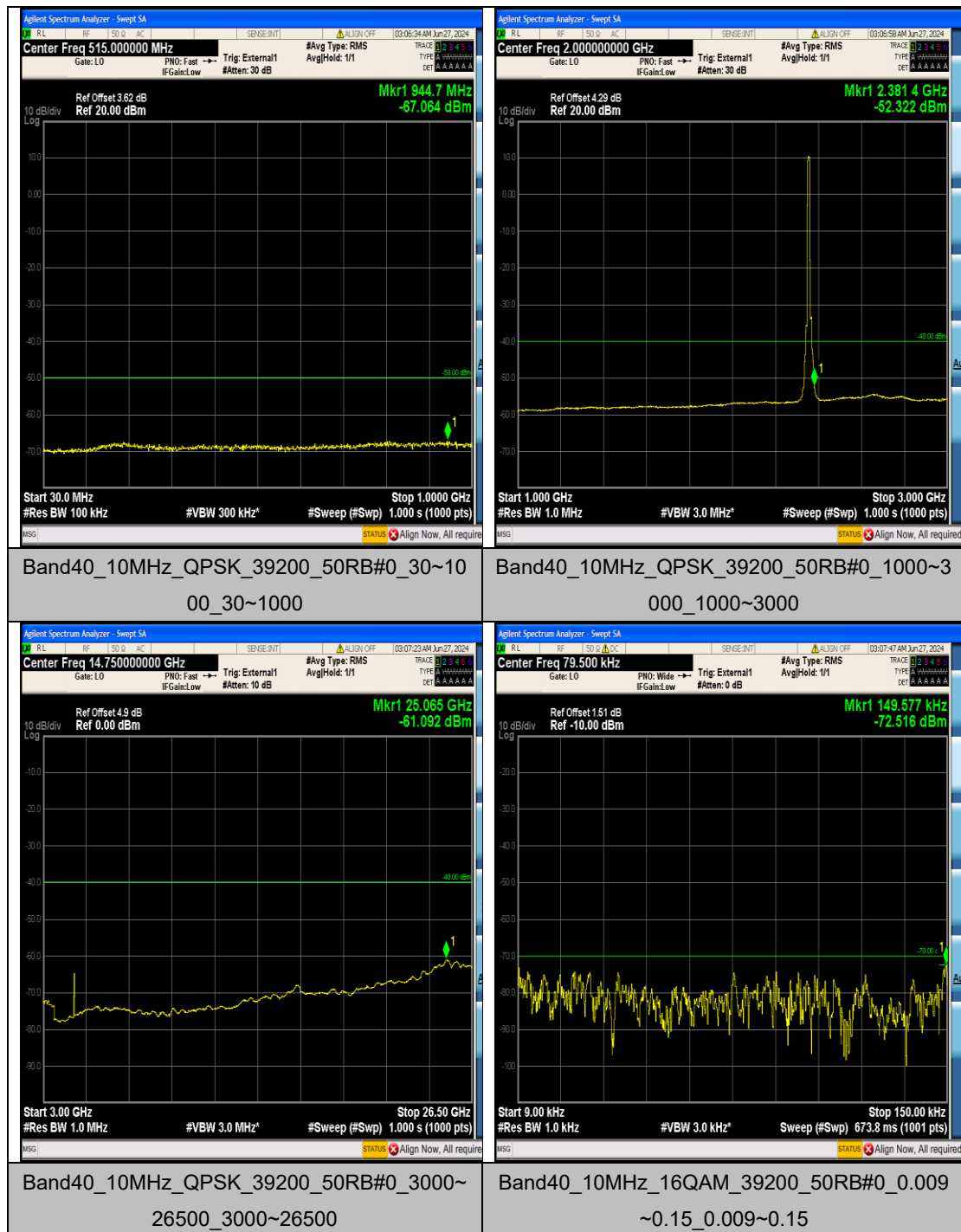


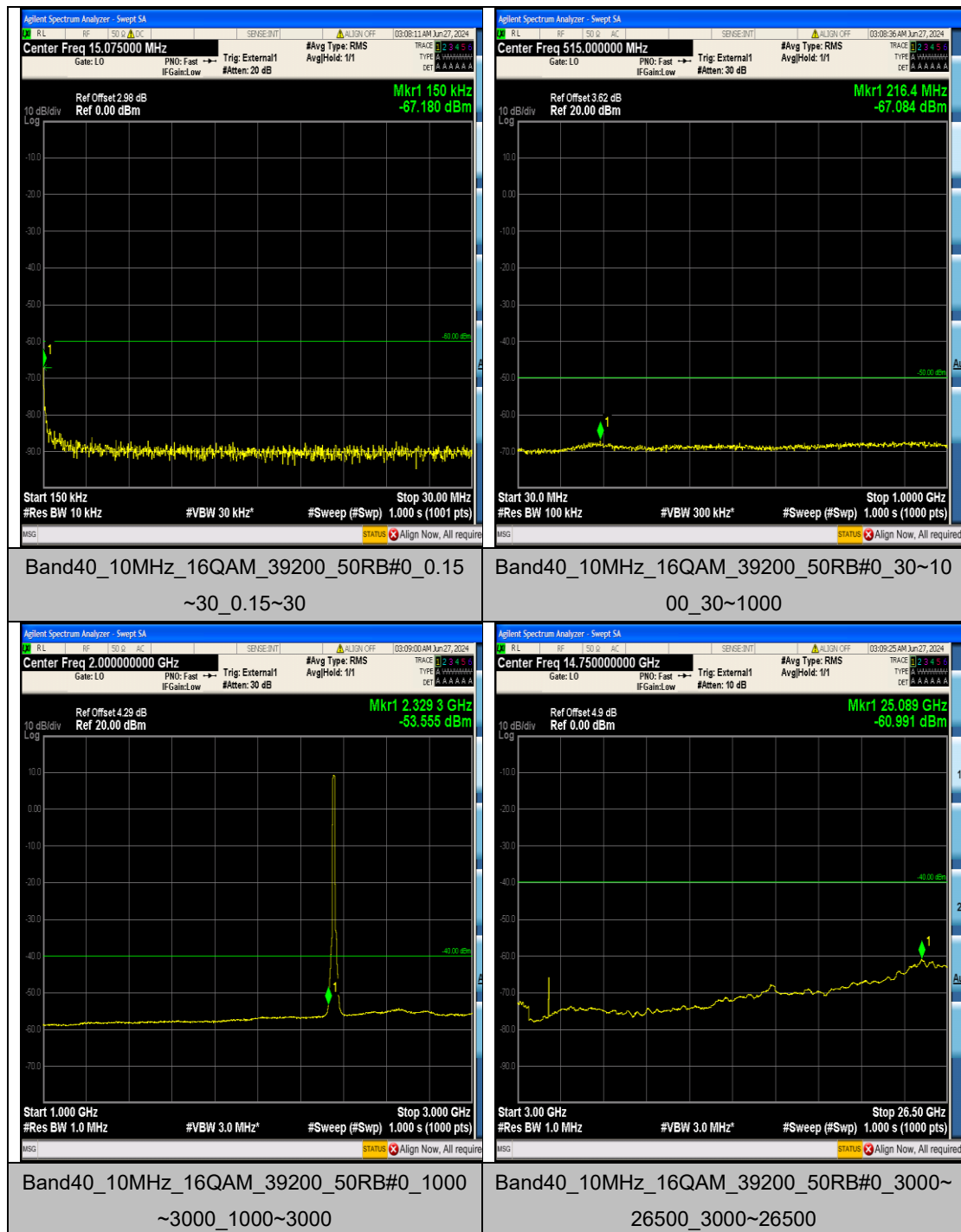












Appendix F: Frequency Stability

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	4.21	0.001824	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-20	-7.32	-0.003172	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-10	3.56	0.001543	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	0	-3.91	-0.001694	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	10	-11.63	-0.005040	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	20	-8.77	-0.003801	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	30	-7.54	-0.003268	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	40	-6.31	-0.002735	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	50	-9.38	-0.004065	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	-30	2.10	0.000909	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	-20	-10.03	-0.004342	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	-10	-7.58	-0.003281	±2.5	PASS
Band40	5MHz	QPSK	38750	25RB#0	NV	0	-6.29	-0.002723	±2.5	PASS

(2305-2315)										
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	10	-14.89	-0.006446	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	20	-8.93	-0.003866	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	30	6.54	0.002831	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	40	-18.60	-0.008052	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	50	-7.34	-0.003177	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	-30	4.96	0.002145	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	-20	4.19	0.001812	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	-10	-8.20	-0.003546	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	0	-4.21	-0.001821	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	10	-6.65	-0.002876	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	20	-11.99	-0.005185	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	30	6.54	0.002828	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	40	-7.80	-0.003373	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	50	-18.77	-0.008117	±2.5	PASS

2315)										
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	-30	-7.98	-0.003458	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	-20	-8.35	-0.003619	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	-10	-5.35	-0.002319	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	0	-9.27	-0.004017	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	10	6.11	0.002648	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	20	-4.81	-0.002085	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	30	6.58	0.002852	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	40	8.44	0.003658	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38725	25RB#0	NV	50	-4.71	-0.002041	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38750	25RB#0	NV	-30	-10.67	-0.004619	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38750	25RB#0	NV	-20	-5.97	-0.002584	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38750	25RB#0	NV	-10	-6.02	-0.002606	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38750	25RB#0	NV	0	8.33	0.003606	±2.5	PASS
Band40 (2305- 2315)	5MHz	16QAM	38750	25RB#0	NV	10	-8.83	-0.003823	±2.5	PASS

Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	20	-13.86	-0.006000	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	30	-13.15	-0.005693	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	40	-7.30	-0.003160	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	50	5.91	0.002558	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-30	4.55	0.001968	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-20	-6.85	-0.002962	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-10	-9.67	-0.004182	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	0	-4.31	-0.001864	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	10	-10.87	-0.004701	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	20	-6.57	-0.002841	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	30	-3.48	-0.001505	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	40	-6.74	-0.002915	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	50	-9.18	-0.003970	±2.5	PASS
Band40 (2305-2315)	10MHz	QPSK	38750	50RB#0	NV	-30	-8.74	-0.003784	±2.5	PASS
Band40	10MHz	QPSK	38750	50RB#0	NV	-20	-7.90	-0.003420	±2.5	PASS

(2305-2315)										
Band40 (2305-2315)	10MHz	QPSK	38750	50RB#0	NV	-10	-12.22	-0.005290	±2.5	PASS
Band40 (2305-2315)	10MHz	QPSK	38750	50RB#0	NV	0	-10.60	-0.004589	±2.5	PASS
Band40 (2305-2315)	10MHz	QPSK	38750	50RB#0	NV	10	-7.30	-0.003160	±2.5	PASS
Band40 (2305-2315)	10MHz	QPSK	38750	50RB#0	NV	20	-9.28	-0.004017	±2.5	PASS
Band40 (2305-2315)	10MHz	QPSK	38750	50RB#0	NV	30	8.48	0.003671	±2.5	PASS
Band40 (2305-2315)	10MHz	QPSK	38750	50RB#0	NV	40	-8.27	-0.003580	±2.5	PASS
Band40 (2305-2315)	10MHz	QPSK	38750	50RB#0	NV	50	-14.16	-0.006130	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	-30	-7.58	-0.003281	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	-20	-9.01	-0.003900	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	-10	-12.89	-0.005580	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	0	-6.64	-0.002874	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	10	-13.10	-0.005671	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	20	-2.86	-0.001238	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	30	-6.77	-0.002931	±2.5	PASS

2315)										
Band40 (2305- 2315)	10MHz	16QAM	38750	50RB#0	NV	40	-2.93	-0.001268	±2.5	PASS
Band40 (2305- 2315)	10MHz	16QAM	38750	50RB#0	NV	50	-13.85	-0.005996	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	-30	-5.29	-0.002249	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	-20	-8.01	-0.003405	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	-10	-7.47	-0.003175	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	0	3.42	0.001454	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	10	-10.14	-0.004310	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	20	-8.98	-0.003817	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	30	-6.27	-0.002665	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	40	-15.26	-0.006487	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39175	25RB#0	NV	50	-12.03	-0.005114	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	-30	11.10	0.004713	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	-20	-5.25	-0.002229	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	-10	-3.12	-0.001325	±2.5	PASS

Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	0	-3.99	-0.001694	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	10	6.42	0.002726	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	20	-6.31	-0.002679	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	30	5.25	0.002229	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	40	-8.14	-0.003456	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39200	25RB#0	NV	50	-7.55	-0.003206	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	-30	5.14	0.002180	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	-20	5.92	0.002511	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	-10	-8.57	-0.003635	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	0	-3.65	-0.001548	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	10	-7.44	-0.003156	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	20	-6.72	-0.002850	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	30	7.78	0.003300	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	40	-8.00	-0.003393	±2.5	PASS
Band40	5MHz	QPSK	39225	25RB#0	NV	50	-5.22	-0.002214	±2.5	PASS

(2350-2360)										
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	-30	5.99	0.002546	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	-20	-11.53	-0.004901	±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	-9.97	-0.004238	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	10	6.15	0.002614	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	20	-4.16	-0.001768	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	30	-6.18	-0.002627	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	40	1.90	0.000808	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39175	25RB#0	NV	50	-10.53	-0.004476	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39200	25RB#0	NV	-30	-10.56	-0.004484	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39200	25RB#0	NV	-20	-8.61	-0.003656	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39200	25RB#0	NV	-10	-5.46	-0.002318	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39200	25RB#0	NV	0	-7.95	-0.003376	±2.5	PASS
Band40 (2350-2360)	5MHz	16QAM	39200	25RB#0	NV	10	-2.93	-0.001244	±2.5	PASS

2360)										
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	20	13.78	0.005851	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	30	3.06	0.001299	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	40	-13.00	-0.005520	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	50	-10.34	-0.004391	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	-30	6.14	0.002604	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	-20	7.95	0.003372	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	-10	6.19	0.002626	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	0	-3.98	-0.001688	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	10	-6.22	-0.002638	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	20	-5.11	-0.002168	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	30	-4.91	-0.002083	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	40	8.03	0.003406	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	50	-3.85	-0.001633	±2.5	PASS
Band40 (2350- 2360)	10MHz	QPSK	39200	50RB#0	NV	-30	13.20	0.005605	±2.5	PASS

Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	-20	-7.90	-0.003355	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	-10	8.08	0.003431	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	0	-10.19	-0.004327	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	10	-11.26	-0.004781	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	20	-9.10	-0.003864	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	30	-8.60	-0.003652	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	40	-7.10	-0.003015	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	50	-2.68	-0.001138	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-30	-7.35	-0.003121	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-20	-12.33	-0.005236	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-10	-5.94	-0.002522	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	0	-6.08	-0.002582	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	10	8.21	0.003486	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	20	-6.58	-0.002794	±2.5	PASS
Band40	10MHz	16QAM	39200	50RB#0	NV	30	-8.11	-0.003444	±2.5	PASS

(2350-2360)										
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	40	-7.35	-0.003121	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	50	-7.12	-0.003023	±2.5	PASS