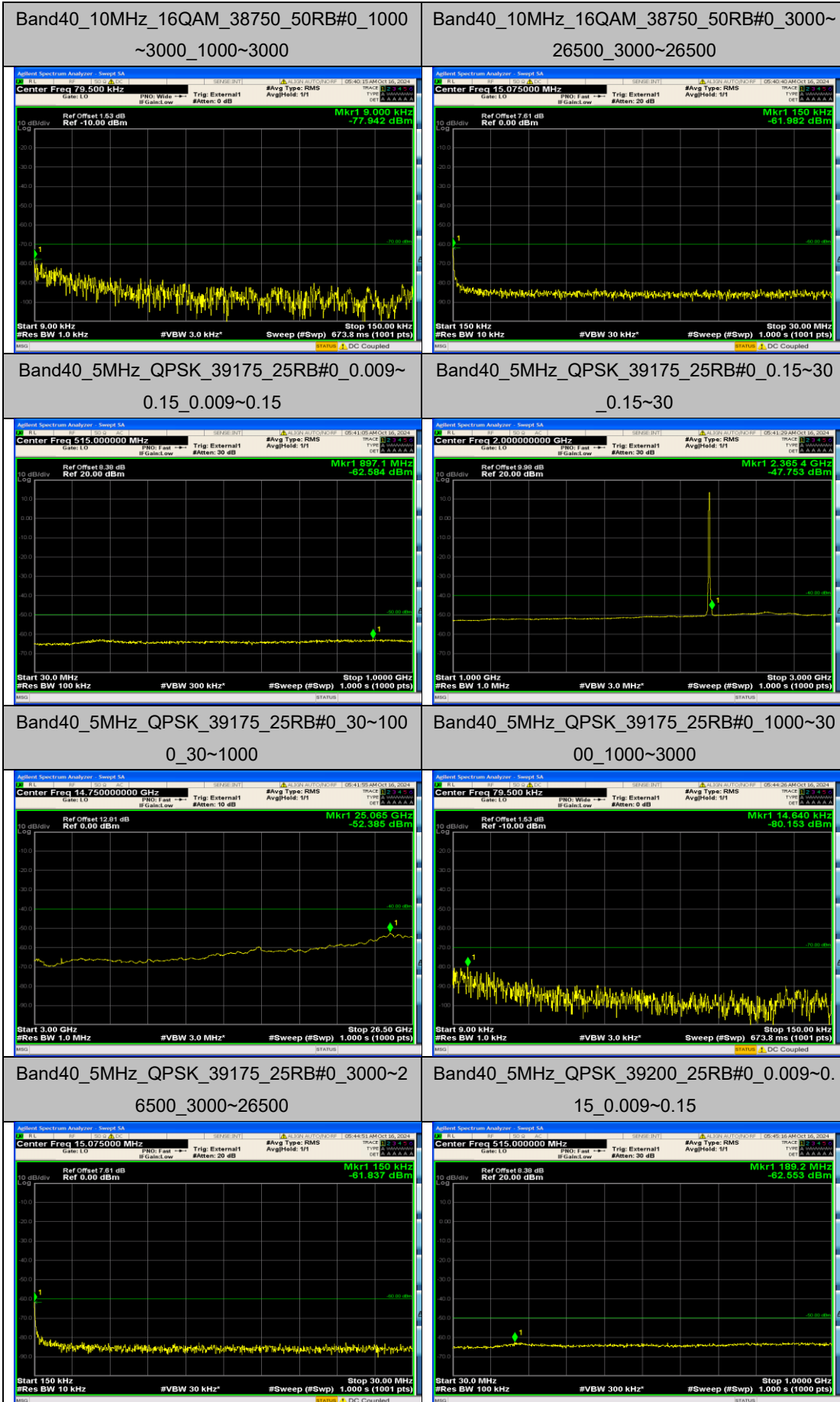
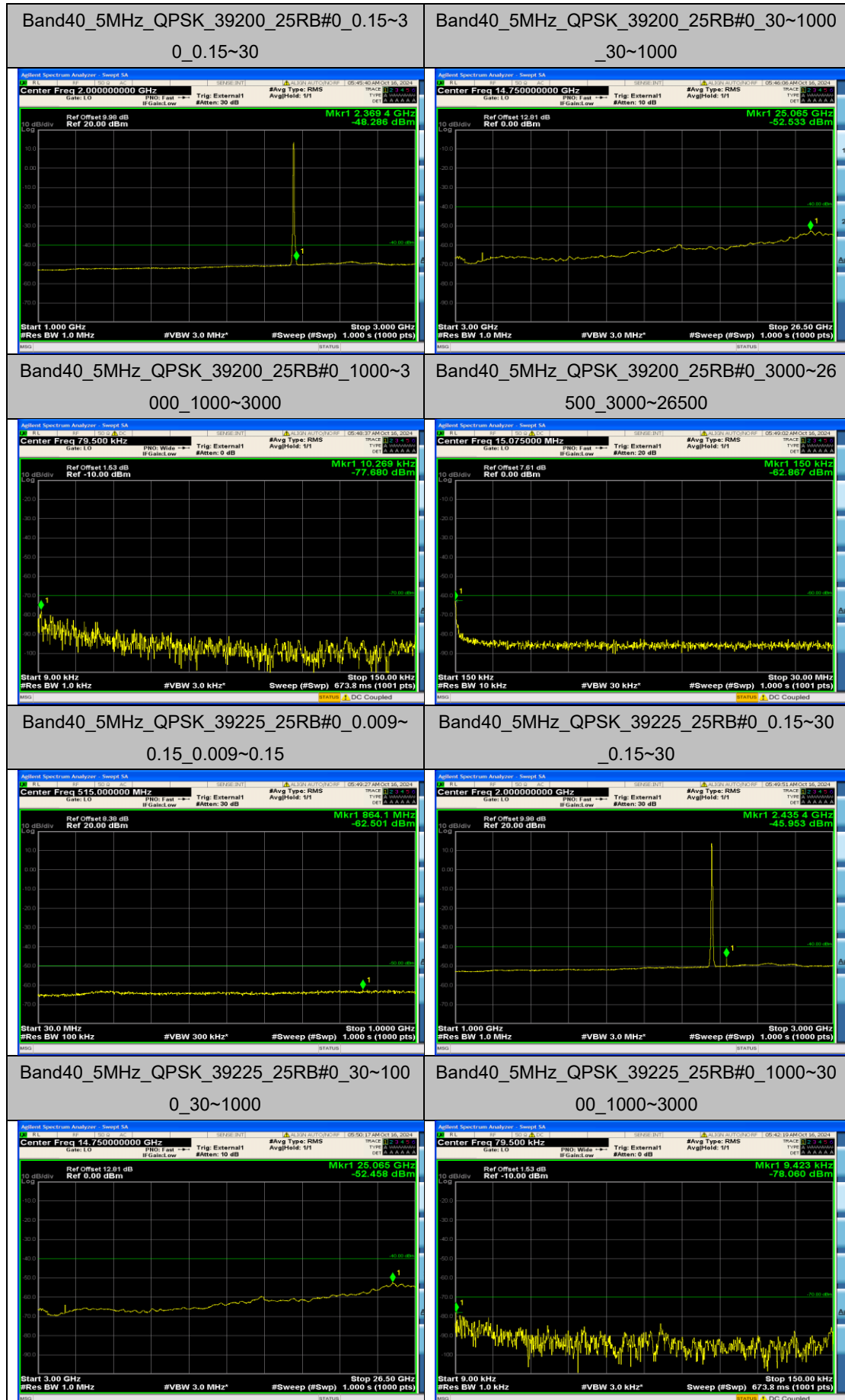
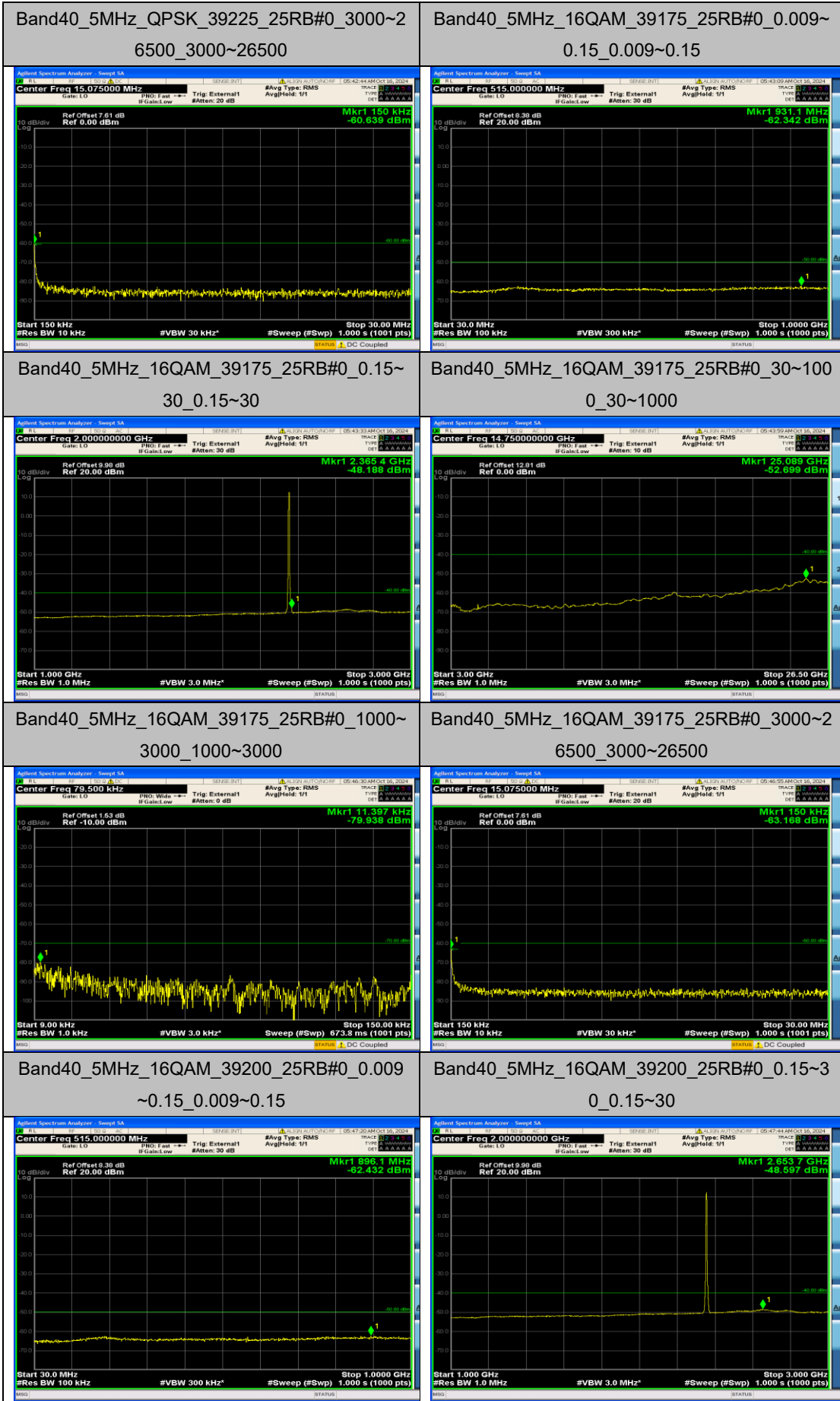
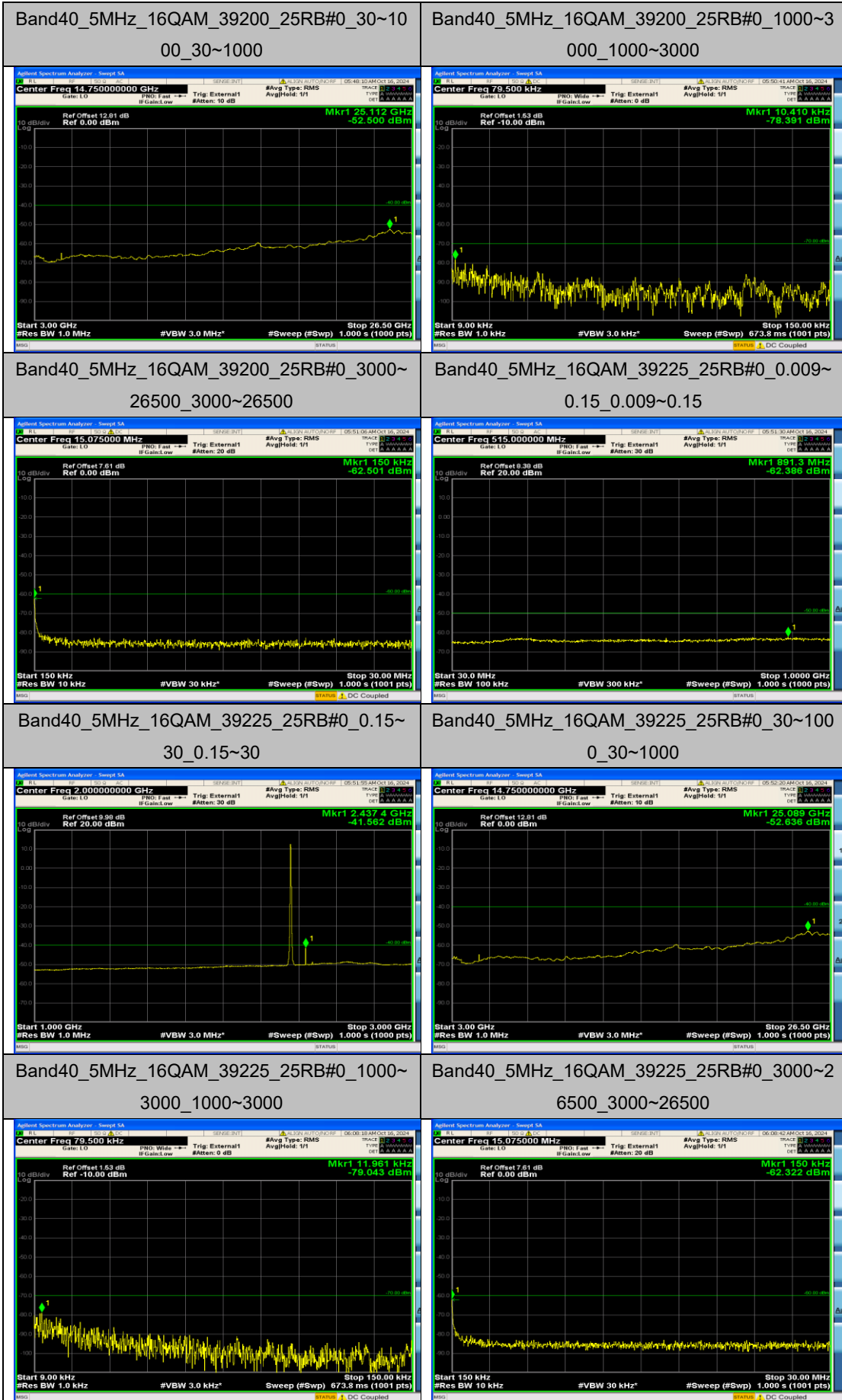
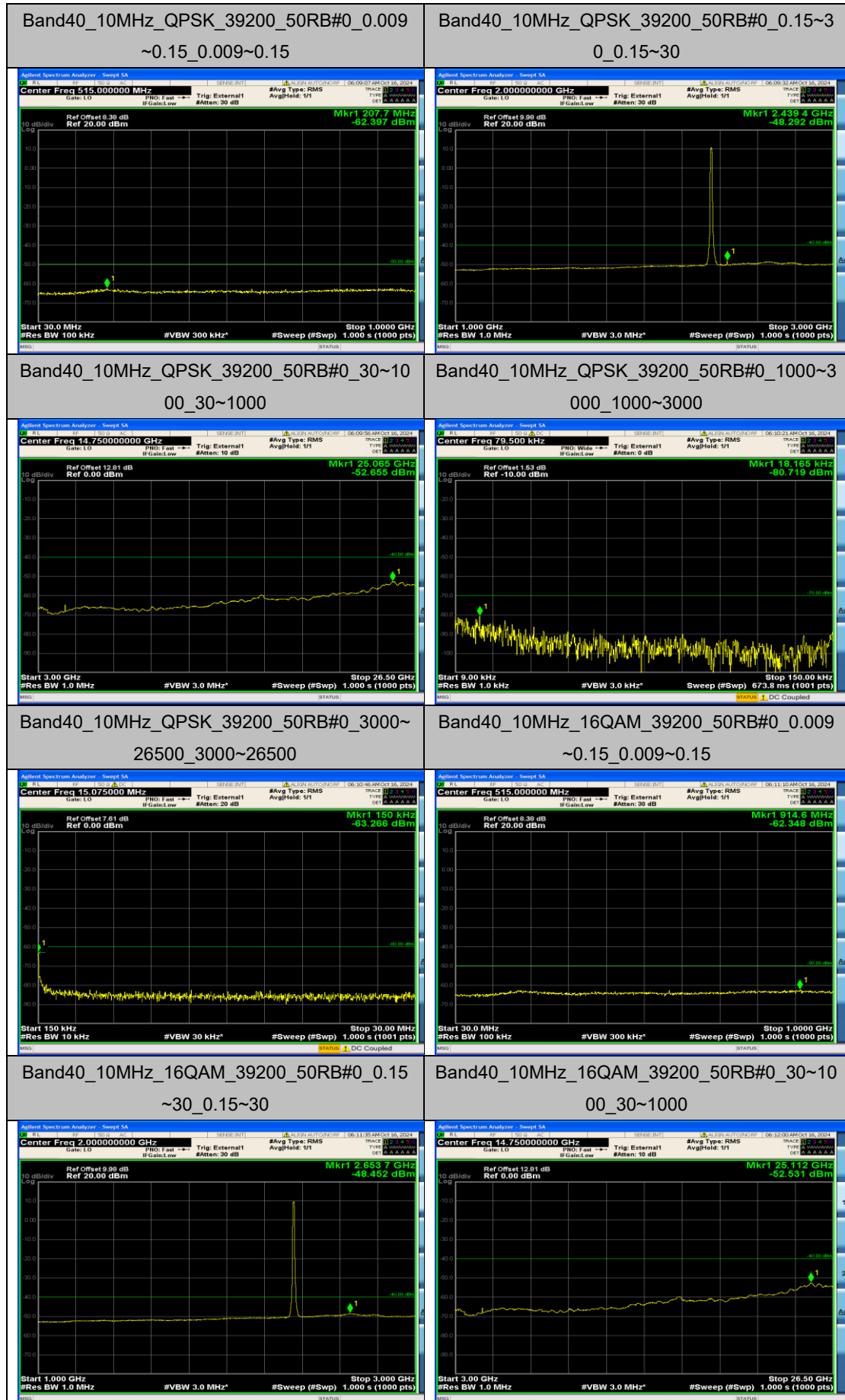












Band40_10MHz_16QAM_39200_50RB#0_1000 ~3000_1000~3000	Band40_10MHz_16QAM_39200_50RB#0_3000~ 26500_3000~26500
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Appendix F: Frequency Stability

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	10.03	0.004347	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-20	4.13	0.001790	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	-10	-5.59	-0.002423	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	0	6.88	0.002982	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	10	6.21	0.002691	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	20	4.15	0.001798	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	30	11.62	0.005036	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	40	9.31	0.004035	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	NV	50	6.92	0.002999	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	NV	-30	-4.22	-0.001827	±2.5	PASS

2315)										
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	-20	9.04	0.003913	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	-10	8.04	0.003481	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	0	5.88	0.002545	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	10	-3.26	-0.001411	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	20	15.08	0.006528	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	30	4.51	0.001952	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	40	7.14	0.003091	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38750	25RB#0	NV	50	7.40	0.003203	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	-30	6.55	0.002832	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	-20	10.53	0.004554	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	-10	14.53	0.006283	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	0	3.85	0.001665	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	10	5.46	0.002361	±2.5	PASS
Band40 (2305- 2315)	5MHz	QPSK	38775	25RB#0	NV	20	13.05	0.005643	±2.5	PASS

Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	30	5.94	0.002569	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	40	7.20	0.003114	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38775	25RB#0	NV	50	3.10	0.001341	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38725	25RB#0	NV	-30	9.56	0.004143	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38725	25RB#0	NV	-20	9.18	0.003978	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38725	25RB#0	NV	-10	9.21	0.003991	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38725	25RB#0	NV	0	4.85	0.002102	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38725	25RB#0	NV	10	13.68	0.005928	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38725	25RB#0	NV	20	-3.26	-0.001413	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38725	25RB#0	NV	30	5.91	0.002561	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38725	25RB#0	NV	40	5.69	0.002466	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38725	25RB#0	NV	50	13.18	0.005712	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	-30	4.96	0.002147	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	-20	-7.27	-0.003147	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	-10	9.54	0.004130	±2.5	PASS

(2305-2315)										
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	0	-2.78	-0.001203	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	10	3.38	0.001463	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	20	6.34	0.002745	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	30	6.94	0.003004	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	40	3.58	0.001550	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	NV	50	5.51	0.002385	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-30	9.11	0.003939	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-20	6.84	0.002958	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	-10	10.63	0.004597	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	0	10.11	0.004372	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	10	3.76	0.001626	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	20	5.09	0.002201	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	30	8.03	0.003472	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38775	25RB#0	NV	40	2.78	0.001202	±2.5	PASS

2315)										
Band40 (2305- 2315)	5MHz	16QAM	38775	25RB#0	NV	50	11.87	0.005133	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	-30	9.33	0.004039	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	-20	4.95	0.002143	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	-10	12.95	0.005606	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	0	9.34	0.004043	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	10	10.91	0.004723	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	20	6.85	0.002965	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	30	8.11	0.003511	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	40	7.88	0.003411	±2.5	PASS
Band40 (2305- 2315)	10MHz	QPSK	38750	50RB#0	NV	50	6.27	0.002714	±2.5	PASS
Band40 (2305- 2315)	10MHz	16QAM	38750	50RB#0	NV	-30	12.93	0.005597	±2.5	PASS
Band40 (2305- 2315)	10MHz	16QAM	38750	50RB#0	NV	-20	9.18	0.003974	±2.5	PASS
Band40 (2305- 2315)	10MHz	16QAM	38750	50RB#0	NV	-10	10.84	0.004693	±2.5	PASS
Band40 (2305- 2315)	10MHz	16QAM	38750	50RB#0	NV	0	13.30	0.005758	±2.5	PASS

Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	10	10.27	0.004446	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	20	5.56	0.002407	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	30	9.28	0.004017	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	40	10.73	0.004645	±2.5	PASS
Band40 (2305-2315)	10MHz	16QAM	38750	50RB#0	NV	50	5.34	0.002312	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	-30	6.72	0.002857	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	-20	14.16	0.006019	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	-10	-5.58	-0.002372	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	0	-9.36	-0.003979	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	10	-10.26	-0.004361	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	20	-3.99	-0.001696	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	30	8.58	0.003647	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	40	4.69	0.001994	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39175	25RB#0	NV	50	6.38	0.002712	±2.5	PASS
Band40	5MHz	QPSK	39200	25RB#0	NV	-30	5.95	0.002527	±2.5	PASS

(2350-2360)										
Band40 (2350-2360)	5MHz	QPSK	39200	25RB#0	NV	-20	4.45	0.001890	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39200	25RB#0	NV	-10	6.94	0.002947	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39200	25RB#0	NV	0	8.41	0.003571	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39200	25RB#0	NV	10	9.20	0.003907	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39200	25RB#0	NV	20	2.76	0.001172	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39200	25RB#0	NV	30	7.15	0.003036	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39200	25RB#0	NV	40	9.48	0.004025	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39200	25RB#0	NV	50	11.13	0.004726	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	-30	5.46	0.002316	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	-20	10.97	0.004653	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	-10	-6.58	-0.002791	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	0	10.67	0.004526	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	10	5.92	0.002511	±2.5	PASS
Band40 (2350-2360)	5MHz	QPSK	39225	25RB#0	NV	20	8.88	0.003767	±2.5	PASS

2360)										
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	30	6.51	0.002761	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	40	8.37	0.003550	±2.5	PASS
Band40 (2350- 2360)	5MHz	QPSK	39225	25RB#0	NV	50	7.31	0.003101	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	-30	3.06	0.001301	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	-20	3.55	0.001509	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	-10	9.54	0.004055	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	0	10.56	0.004489	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	10	12.70	0.005399	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	20	7.88	0.003350	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	30	6.95	0.002954	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	40	7.85	0.003337	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39175	25RB#0	NV	50	-7.22	-0.003069	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	-30	-6.69	-0.002841	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	-20	3.98	0.001690	±2.5	PASS

Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	-10	-5.36	-0.002276	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	0	6.75	0.002866	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	10	-4.62	-0.001962	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	20	4.49	0.001907	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	30	7.01	0.002977	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	40	3.93	0.001669	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39200	25RB#0	NV	50	8.23	0.003495	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	-30	20.70	0.008780	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	-20	5.64	0.002392	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	-10	9.60	0.004072	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	0	12.09	0.005128	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	10	10.64	0.004513	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	20	6.72	0.002850	±2.5	PASS
Band40 (2350- 2360)	5MHz	16QAM	39225	25RB#0	NV	30	4.01	0.001701	±2.5	PASS
Band40	5MHz	16QAM	39225	25RB#0	NV	40	6.58	0.002791	±2.5	PASS

(2350-2360)										
Band40 (2350-2360)	5MHz	16QAM	39225	25RB#0	NV	50	5.02	0.002129	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	-30	10.23	0.004344	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	-20	3.63	0.001541	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	-10	3.63	0.001541	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	0	5.71	0.002425	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	10	8.57	0.003639	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	20	6.51	0.002764	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	30	4.89	0.002076	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	40	7.52	0.003193	±2.5	PASS
Band40 (2350-2360)	10MHz	QPSK	39200	50RB#0	NV	50	-4.45	-0.001890	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-30	6.05	0.002569	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-20	5.89	0.002501	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	-10	7.78	0.003304	±2.5	PASS
Band40 (2350-2360)	10MHz	16QAM	39200	50RB#0	NV	0	3.60	0.001529	±2.5	PASS

2360)										
Band40 (2350- 2360)	10MHz	16QAM	39200	50RB#0	NV	10	6.45	0.002739	±2.5	PASS
Band40 (2350- 2360)	10MHz	16QAM	39200	50RB#0	NV	20	5.06	0.002149	±2.5	PASS
Band40 (2350- 2360)	10MHz	16QAM	39200	50RB#0	NV	30	-4.94	-0.002098	±2.5	PASS
Band40 (2350- 2360)	10MHz	16QAM	39200	50RB#0	NV	40	6.71	0.002849	±2.5	PASS
Band40 (2350- 2360)	10MHz	16QAM	39200	50RB#0	NV	50	4.58	0.001945	±2.5	PASS

Appendix I: Duty Cycle

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Duty Cycle(%)	Verdict
Band40(2305-2315)	5MHz	QPSK	38750	25RB#0	29.67	PASS
Band40(2305-2315)	5MHz	16QAM	38750	25RB#0	29.44	PASS
Band40(2305-2315)	10MHz	QPSK	38750	50RB#0	29.72	PASS
Band40(2305-2315)	10MHz	16QAM	38750	50RB#0	29.54	PASS
Band40(2350-2360)	5MHz	QPSK	39200	25RB#0	29.67	PASS
Band40(2350-2360)	5MHz	16QAM	39200	25RB#0	29.65	PASS
Band40(2350-2360)	10MHz	QPSK	39200	50RB#0	29.67	PASS
Band40(2350-2360)	10MHz	16QAM	39200	50RB#0	29.60	PASS

Test Graphs

