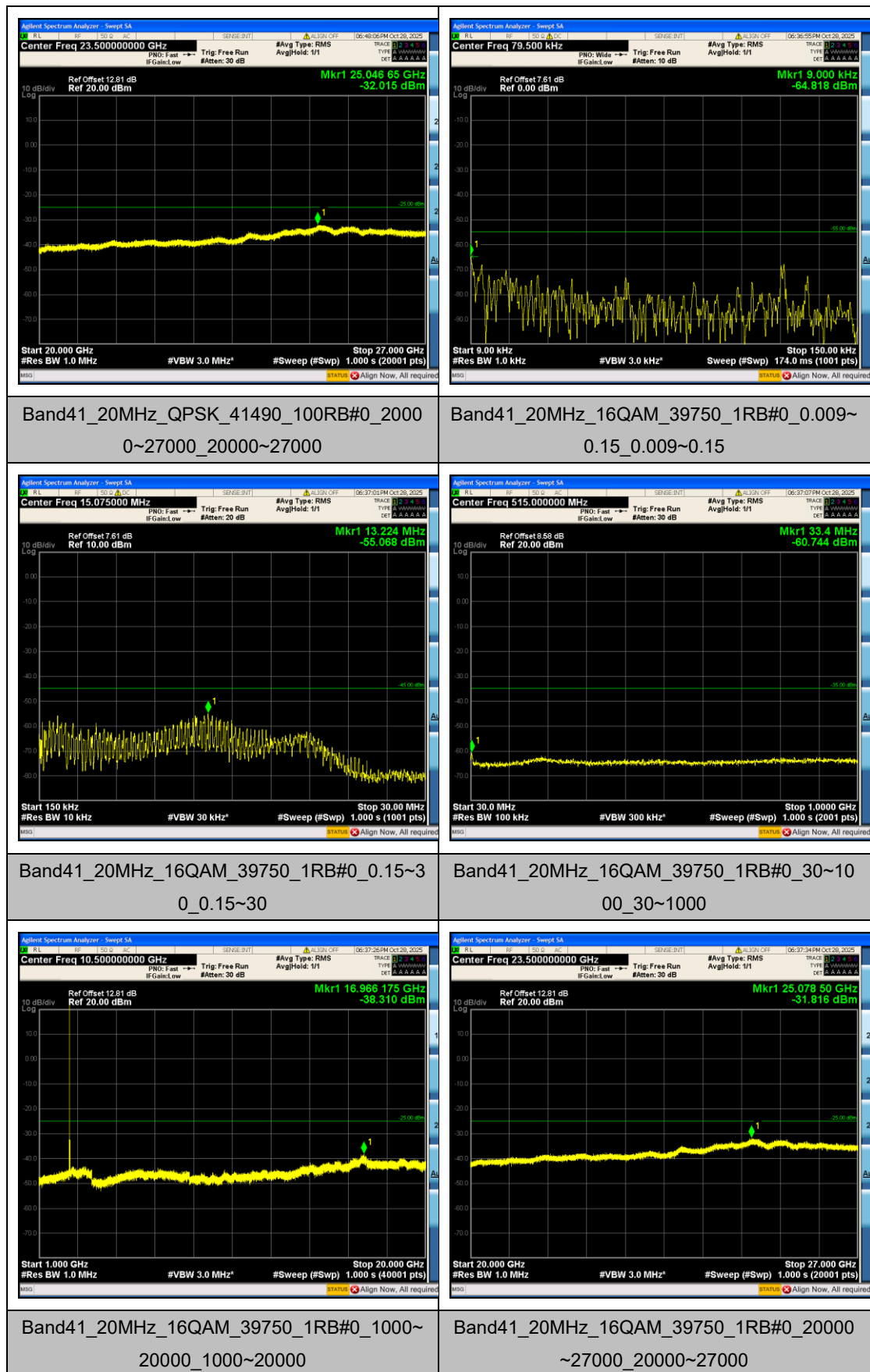
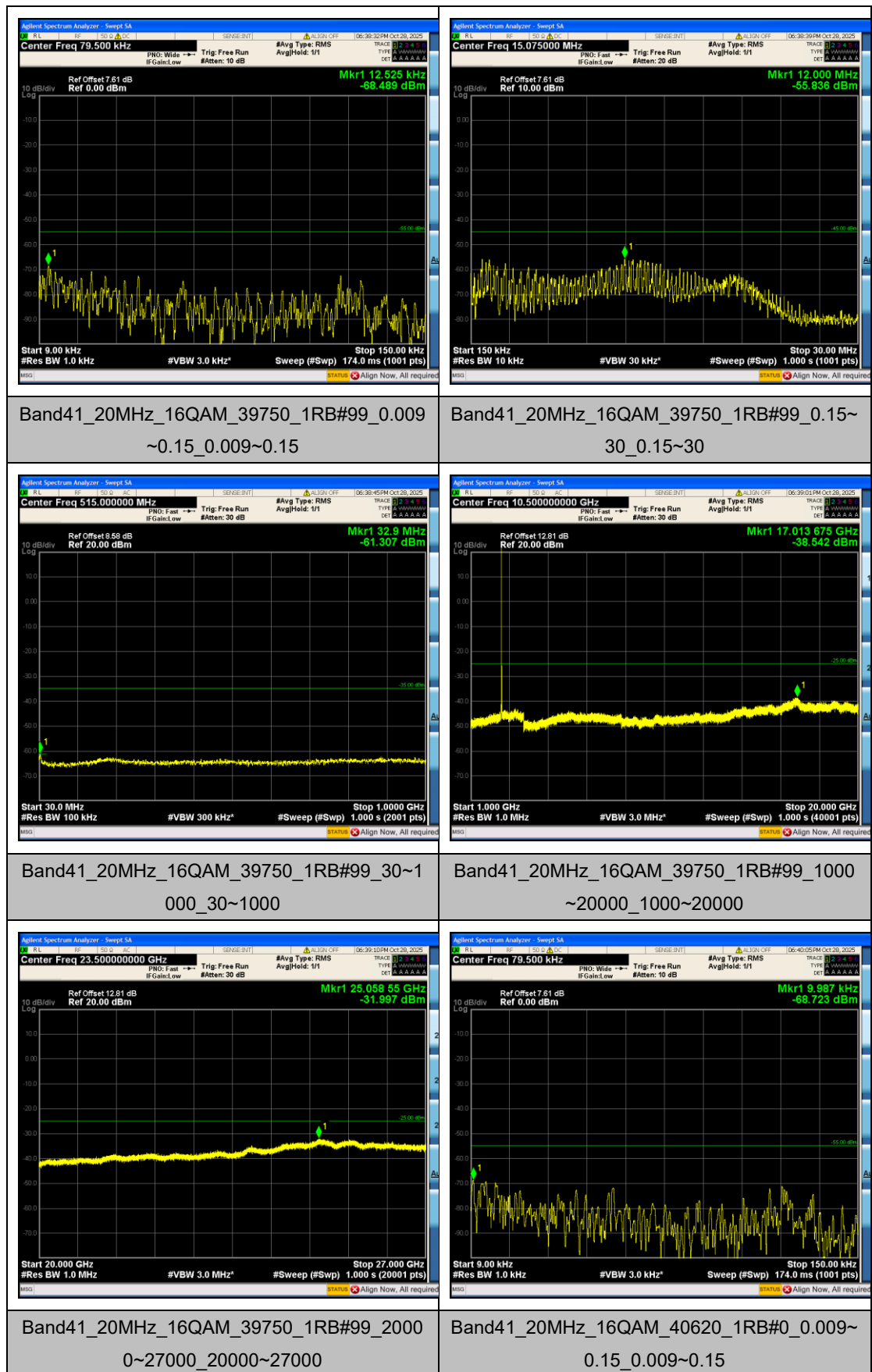
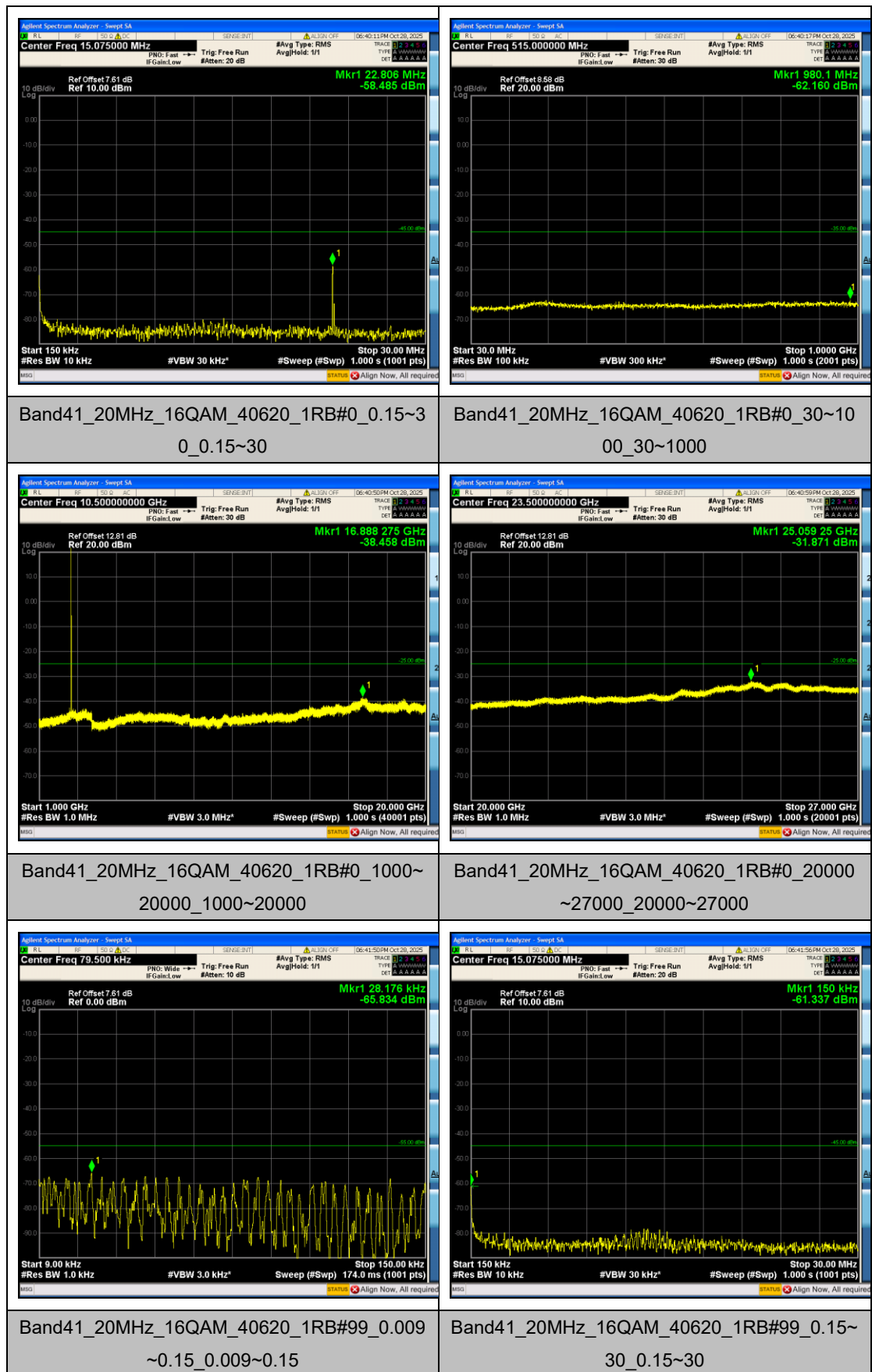
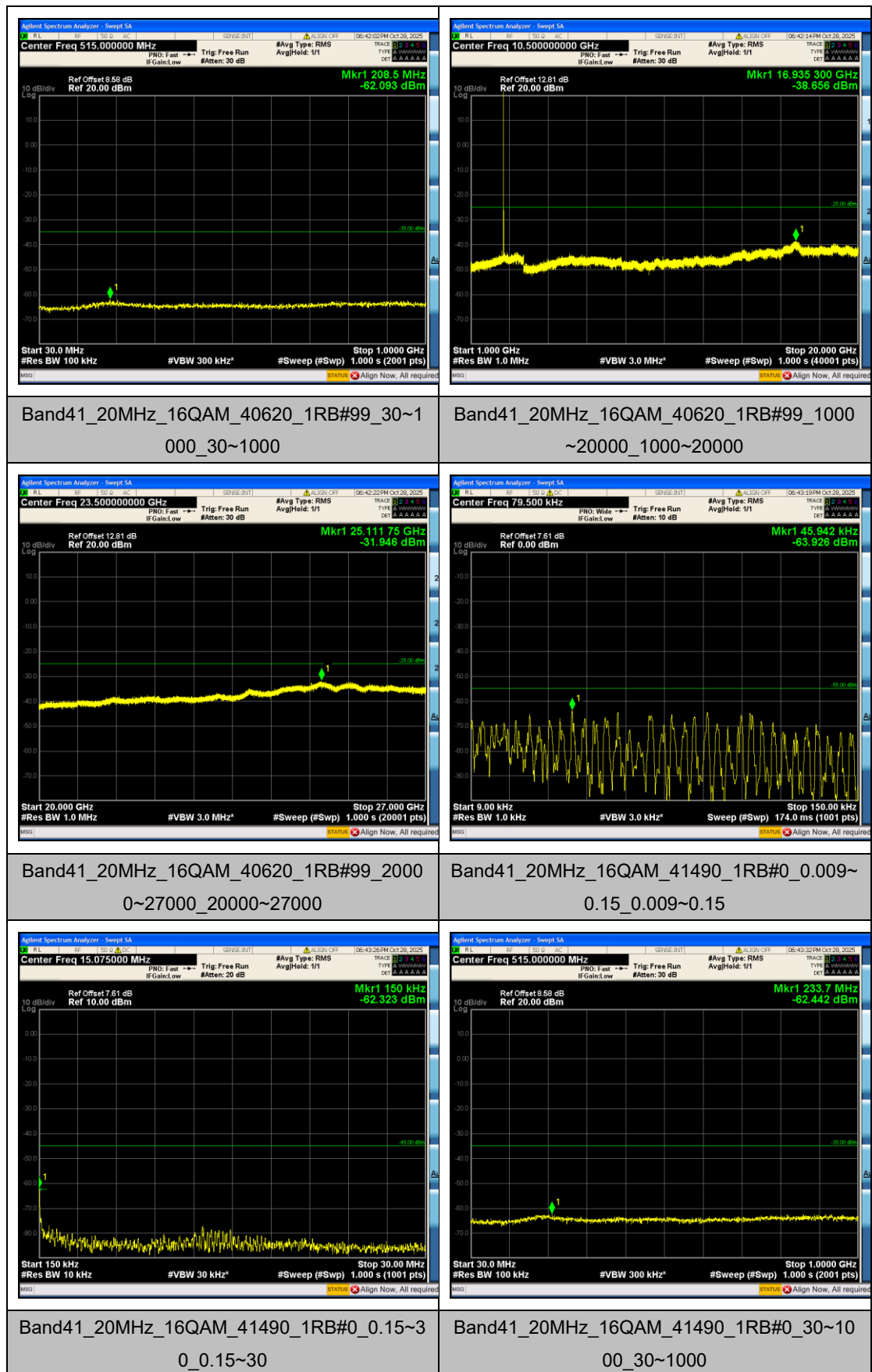
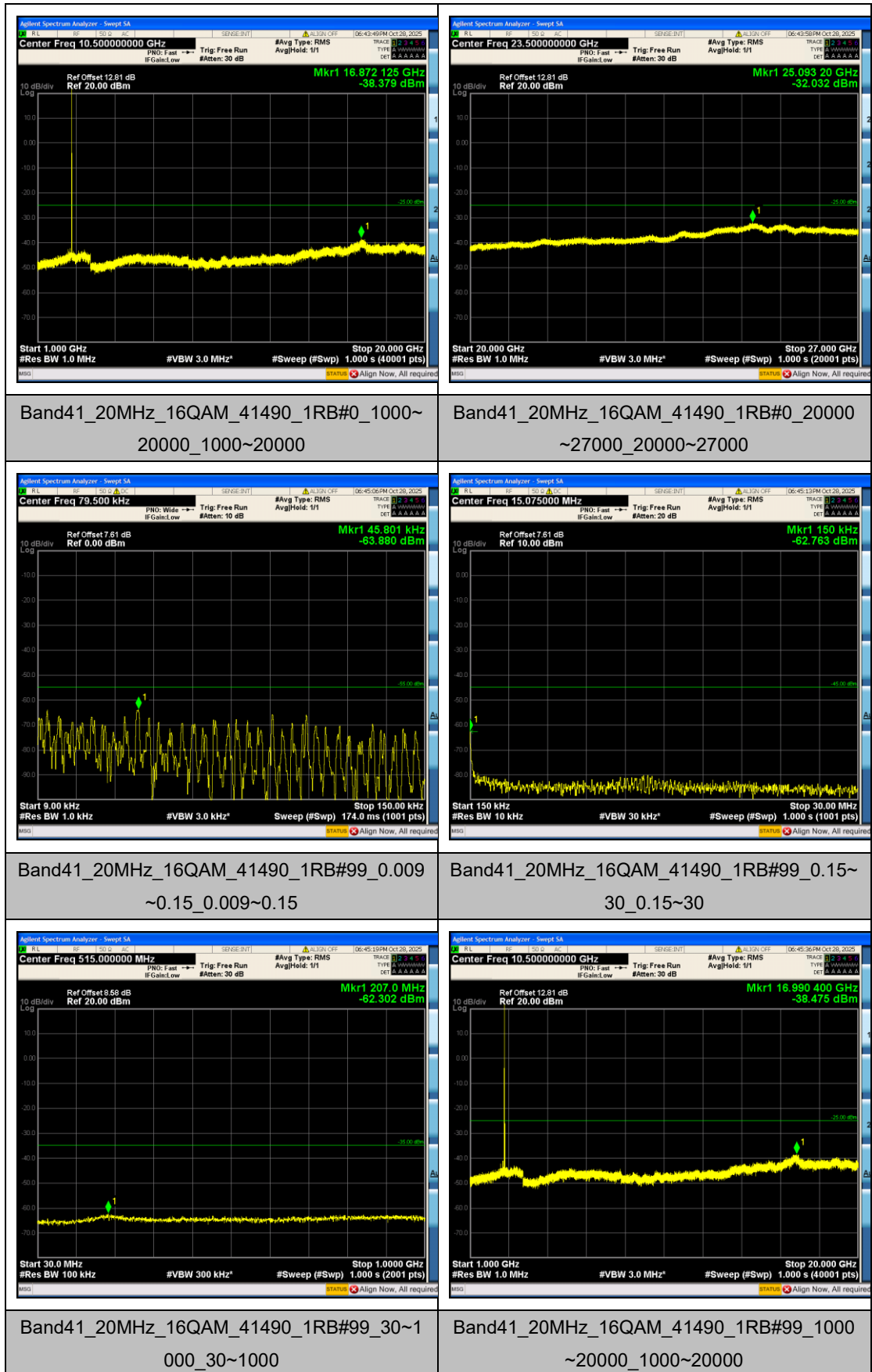


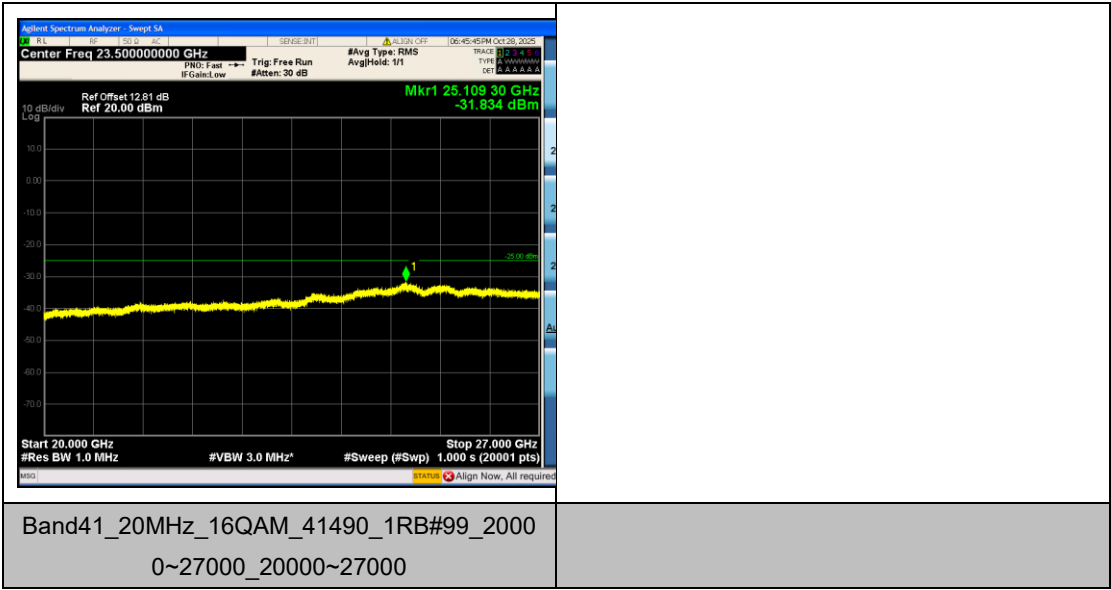












Appendix F: Frequency Stability

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	NV	-30	9.98	0.003994	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	-20	8.33	0.003334	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	-10	9.78	0.003914	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	0	10.91	0.004367	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	10	8.14	0.003258	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	20	14.81	0.005928	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	30	10.63	0.004255	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	40	9.91	0.003966	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	50	8.00	0.003202	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	-30	-7.57	-0.002919	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	-20	6.95	0.002680	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	-10	11.77	0.004539	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	0	8.87	0.003421	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	10	7.70	0.002970	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	20	-9.17	-0.003536	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	30	6.19	0.002387	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	40	5.11	0.001971	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	50	9.48	0.003656	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	-30	13.88	0.005165	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	-20	16.45	0.006121	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	-10	8.48	0.003155	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	0	12.69	0.004722	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	10	13.76	0.005120	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	20	14.15	0.005265	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	30	11.12	0.004138	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	40	11.09	0.004127	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	50	11.44	0.004257	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	-30	8.93	0.003574	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	-20	8.71	0.003486	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	-10	7.67	0.003070	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	0	10.86	0.004347	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	10	4.78	0.001913	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	20	10.74	0.004299	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	30	-7.45	-0.002982	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	40	11.32	0.004531	±2.5	PASS

Band41	5MHz	16QAM	39675	25RB#0	NV	50	6.98	0.002794	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	-30	-8.48	-0.003270	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	-20	8.48	0.003270	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	-10	12.19	0.004701	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	0	6.18	0.002383	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	10	7.67	0.002958	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	20	6.92	0.002669	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	30	-5.52	-0.002129	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	40	15.42	0.005947	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	50	11.03	0.004254	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	-30	15.58	0.005797	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	-20	9.00	0.003349	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	-10	8.34	0.003103	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	0	7.18	0.002672	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	10	12.40	0.004614	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	20	10.21	0.003799	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	30	9.83	0.003658	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	40	12.02	0.004473	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	50	7.68	0.002858	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-30	5.36	0.002143	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-20	7.32	0.002927	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-10	9.54	0.003814	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	0	14.08	0.005630	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	10	5.79	0.002315	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	20	8.31	0.003323	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	30	5.72	0.002287	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	40	7.00	0.002799	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	50	9.14	0.003655	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-30	7.50	0.002892	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-20	-3.85	-0.001485	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-10	5.26	0.002029	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	0	-7.48	-0.002885	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	10	7.74	0.002985	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	20	7.60	0.002931	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	30	-2.46	-0.000949	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	40	7.08	0.002730	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	50	7.77	0.002997	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-30	-13.46	-0.005013	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-20	-11.13	-0.004145	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-10	-5.01	-0.001866	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	0	-12.43	-0.004629	±2.5	PASS

Band41	10MHz	QPSK	41540	50RB#0	NV	10	6.02	0.002242	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	20	-10.90	-0.004060	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	30	-10.66	-0.003970	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	40	-7.70	-0.002868	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	50	-10.83	-0.004034	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	-30	7.68	0.003068	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	-20	-7.57	-0.003024	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	-10	-10.93	-0.004366	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	0	6.48	0.002588	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	10	4.55	0.001817	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	20	-8.50	-0.003395	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	30	-9.31	-0.003719	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	40	-9.97	-0.003982	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	50	-8.27	-0.003303	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	-30	-4.02	-0.001550	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	-20	6.74	0.002599	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	-10	6.88	0.002653	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	0	8.43	0.003251	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	10	7.72	0.002977	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	20	8.70	0.003355	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	30	8.84	0.003409	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	40	8.08	0.003116	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	50	7.77	0.002997	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	-30	12.36	0.004608	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	-20	6.90	0.002572	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	-10	7.71	0.002874	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	0	10.81	0.004030	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	10	6.39	0.002382	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	20	12.45	0.004641	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	30	12.69	0.004731	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	40	13.48	0.005025	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	50	13.73	0.005118	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-30	8.18	0.003264	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	7.15	0.002853	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-10	9.00	0.003591	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	6.17	0.002462	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	12.46	0.004972	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	-4.75	-0.001895	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	9.37	0.003739	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	-5.66	-0.002259	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	9.86	0.003935	±2.5	PASS

Band41	20MHz	QPSK	40620	100RB#0	NV	-30	6.79	0.002619	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	9.23	0.003560	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	6.78	0.002615	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-8.35	-0.003220	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-8.07	-0.003112	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	10.03	0.003868	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	7.98	0.003078	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	6.82	0.002630	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	6.35	0.002449	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	5.02	0.001873	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	8.91	0.003325	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-10	8.90	0.003321	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	8.65	0.003228	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	4.65	0.001735	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	8.58	0.003201	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	9.68	0.003612	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	10.39	0.003877	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	9.54	0.003560	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band41	5MHz	QPSK	39675	25RB#0	PASS
Band41	5MHz	QPSK	40620	25RB#0	PASS
Band41	5MHz	QPSK	41565	25RB#0	PASS
Band41	5MHz	16QAM	39675	25RB#0	PASS
Band41	5MHz	16QAM	40620	25RB#0	PASS
Band41	5MHz	16QAM	41565	25RB#0	PASS
Band41	10MHz	QPSK	39700	50RB#0	PASS
Band41	10MHz	QPSK	40620	50RB#0	PASS
Band41	10MHz	QPSK	41540	50RB#0	PASS
Band41	10MHz	16QAM	39700	1RB#0	PASS
Band41	10MHz	16QAM	40620	1RB#0	PASS
Band41	10MHz	16QAM	41540	1RB#0	PASS
Band41	15MHz	QPSK	39725	75RB#0	PASS
Band41	15MHz	QPSK	40620	75RB#0	PASS
Band41	15MHz	QPSK	41515	75RB#0	PASS
Band41	15MHz	16QAM	39725	1RB#0	PASS
Band41	15MHz	16QAM	40620	1RB#0	PASS
Band41	15MHz	16QAM	41515	1RB#0	PASS
Band41	20MHz	QPSK	39750	100RB#0	PASS
Band41	20MHz	QPSK	40620	100RB#0	PASS
Band41	20MHz	QPSK	41490	100RB#0	PASS
Band41	20MHz	16QAM	39750	1RB#0	PASS
Band41	20MHz	16QAM	40620	1RB#0	PASS
Band41	20MHz	16QAM	41490	1RB#0	PASS

Test Graphs

