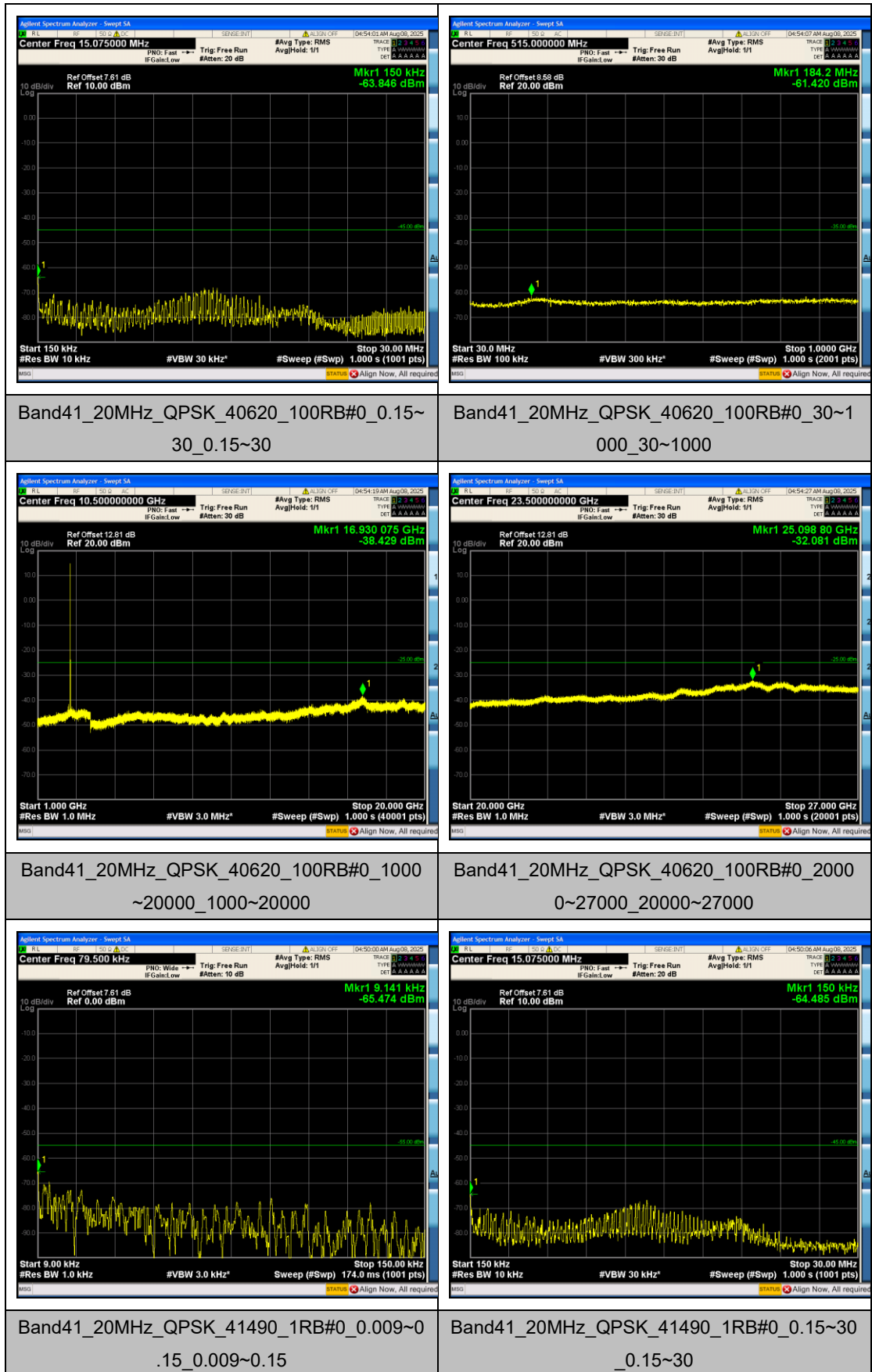
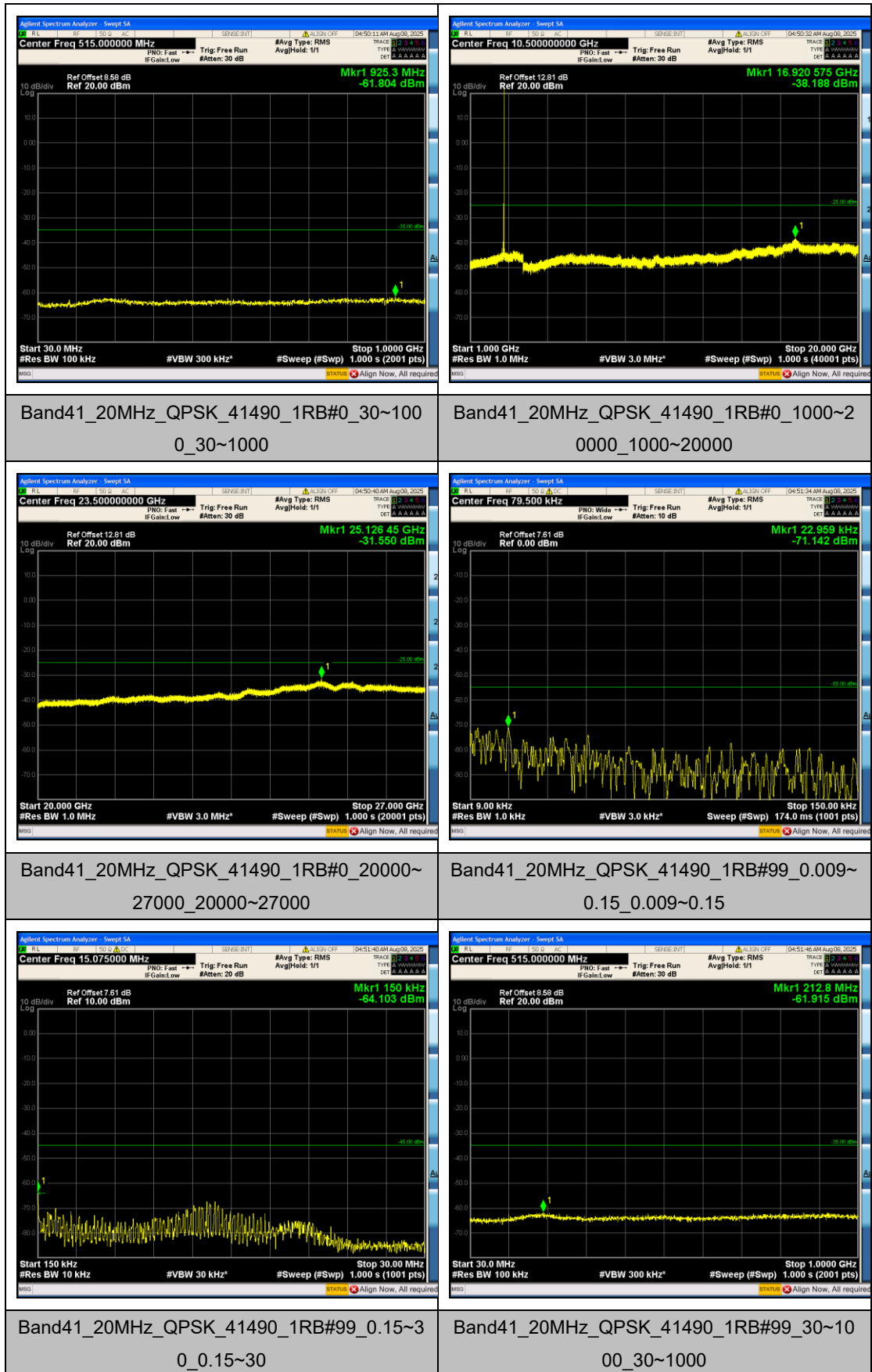
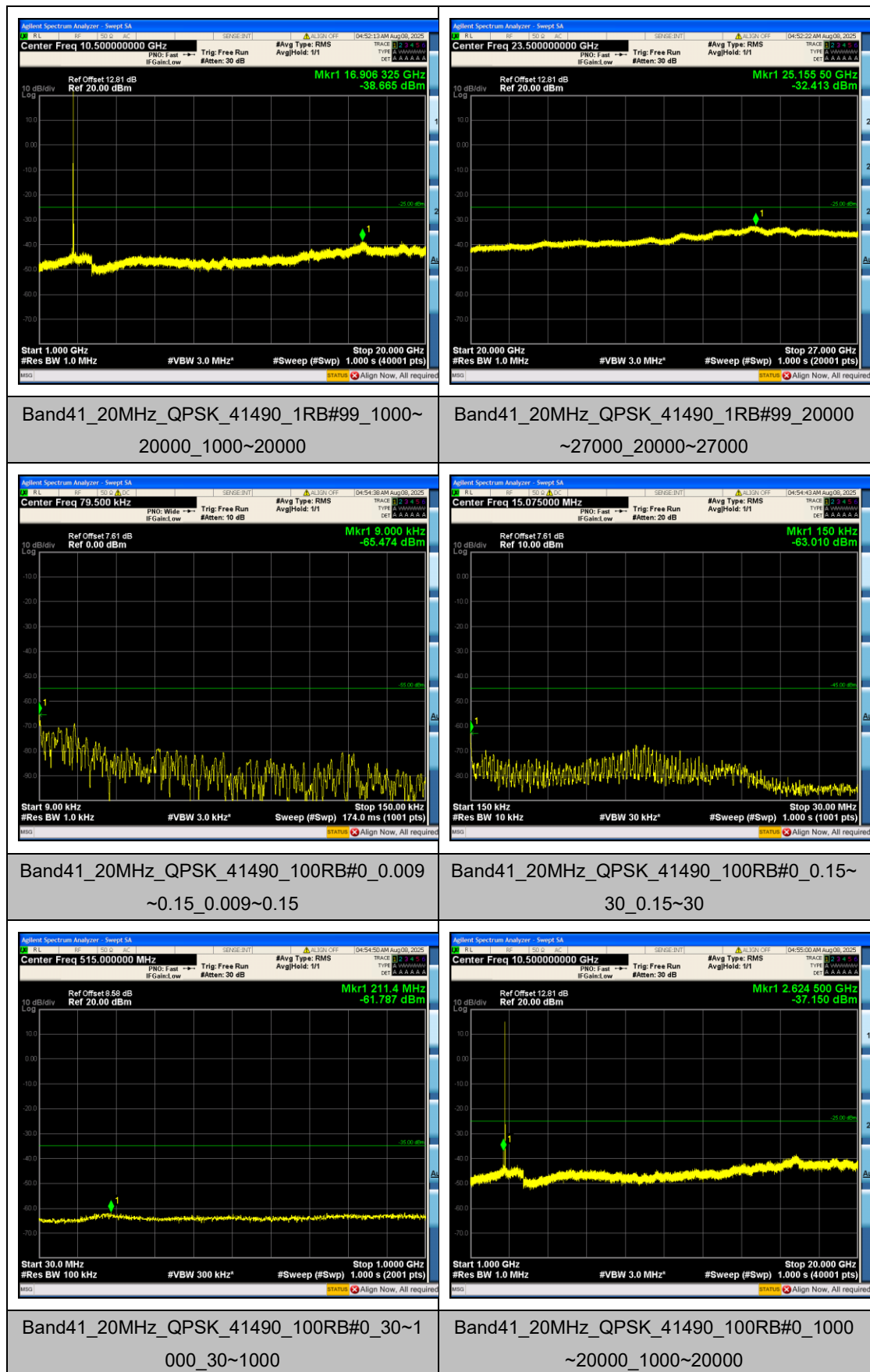
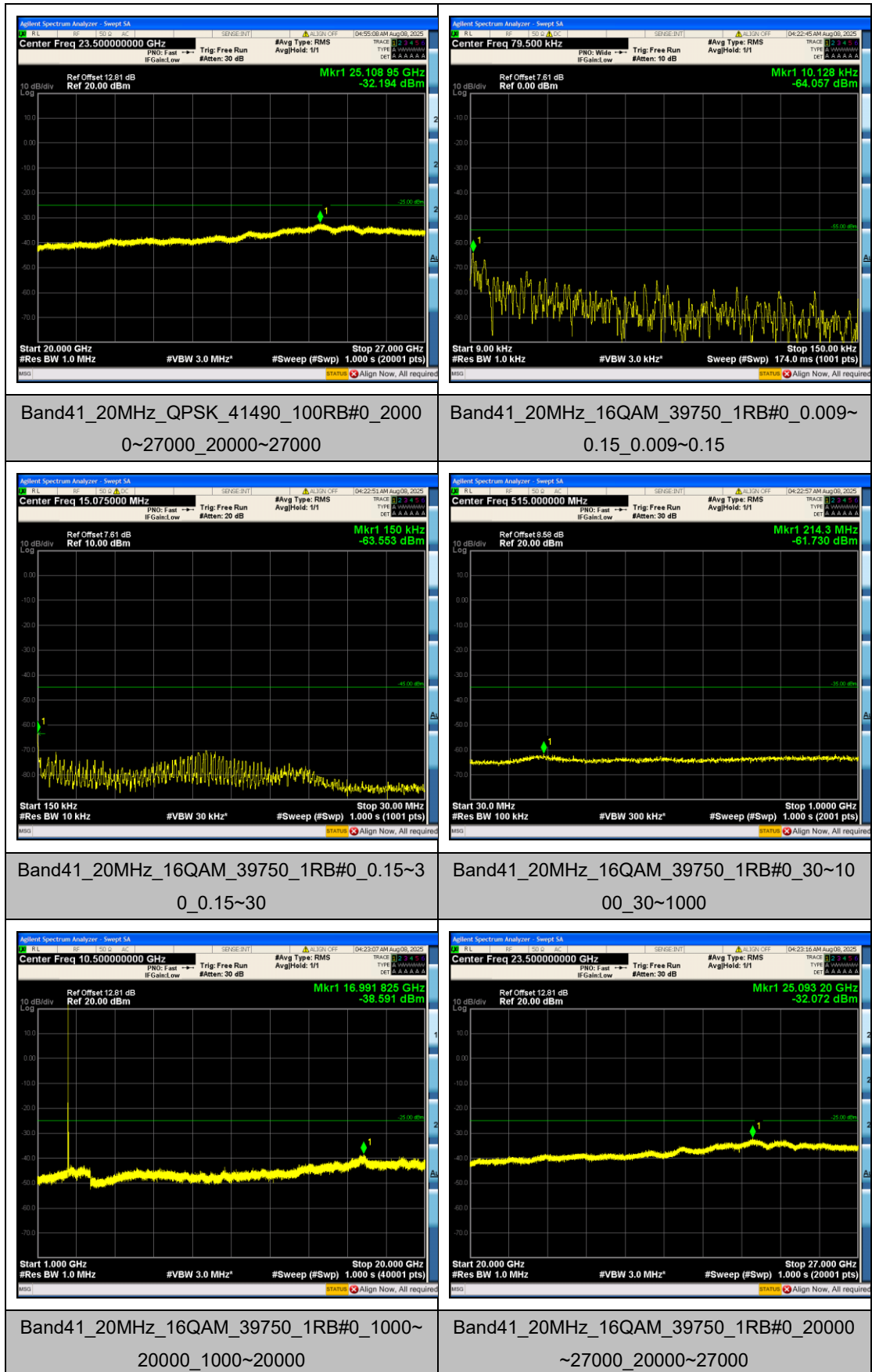
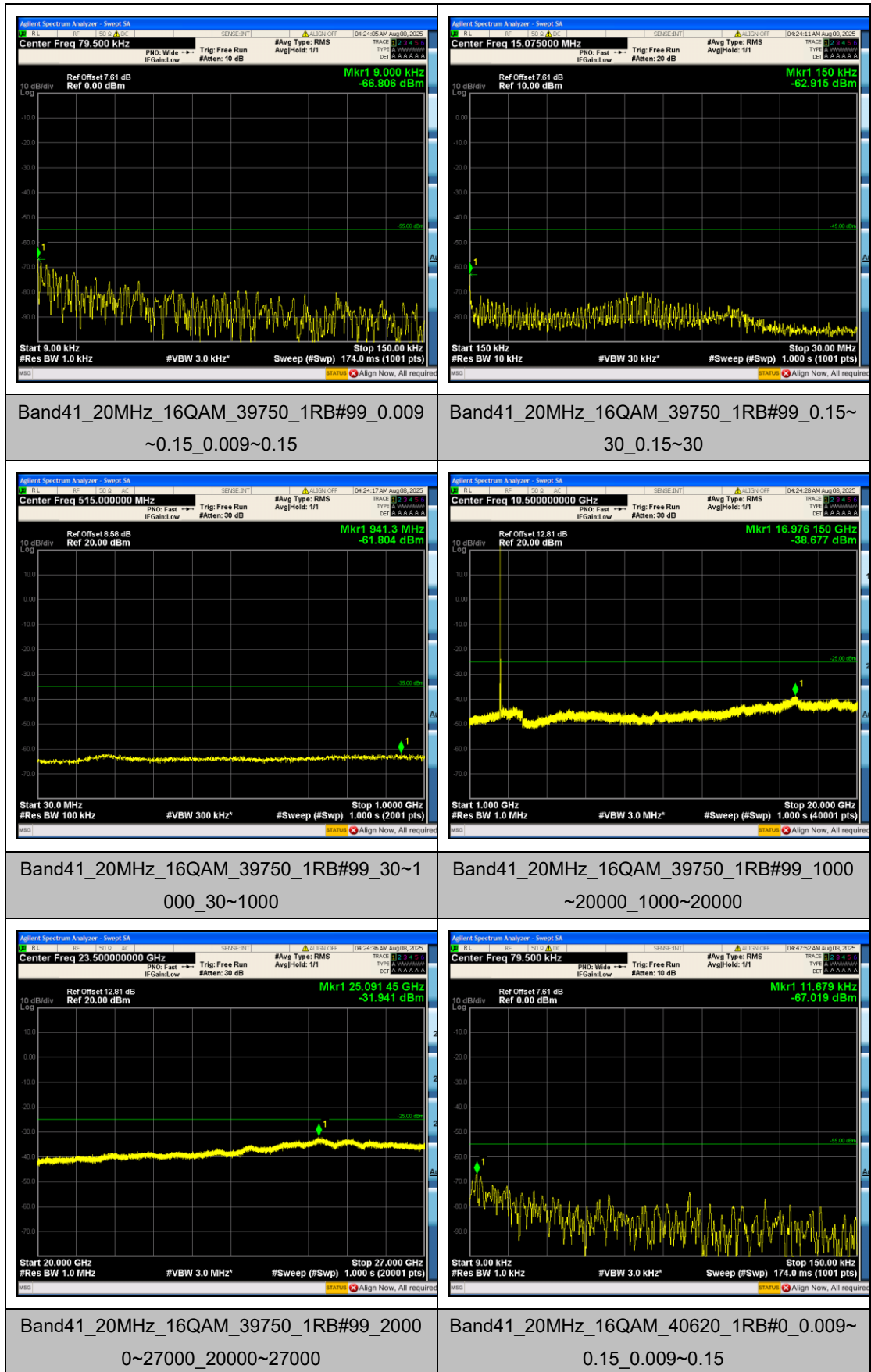


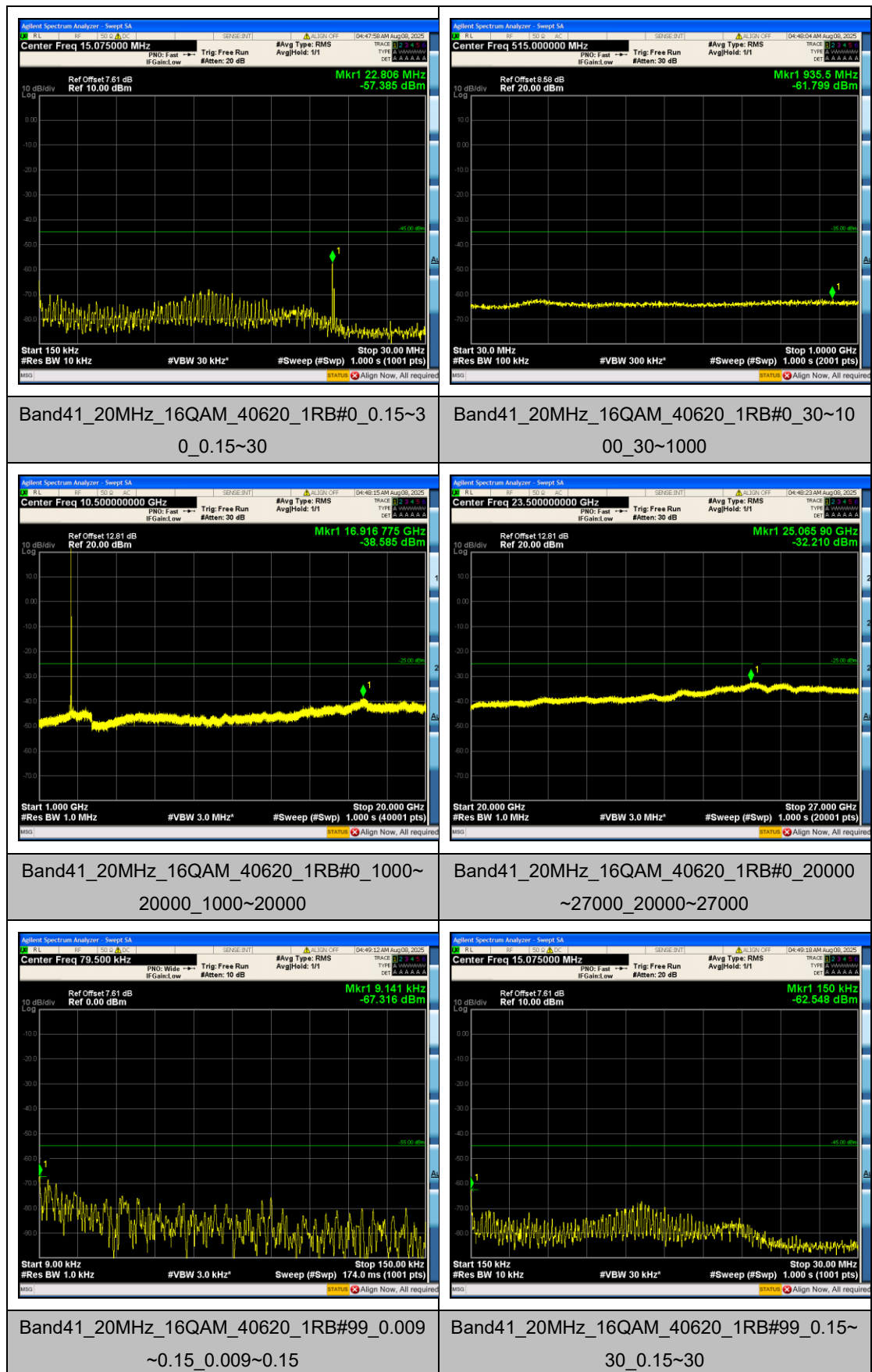


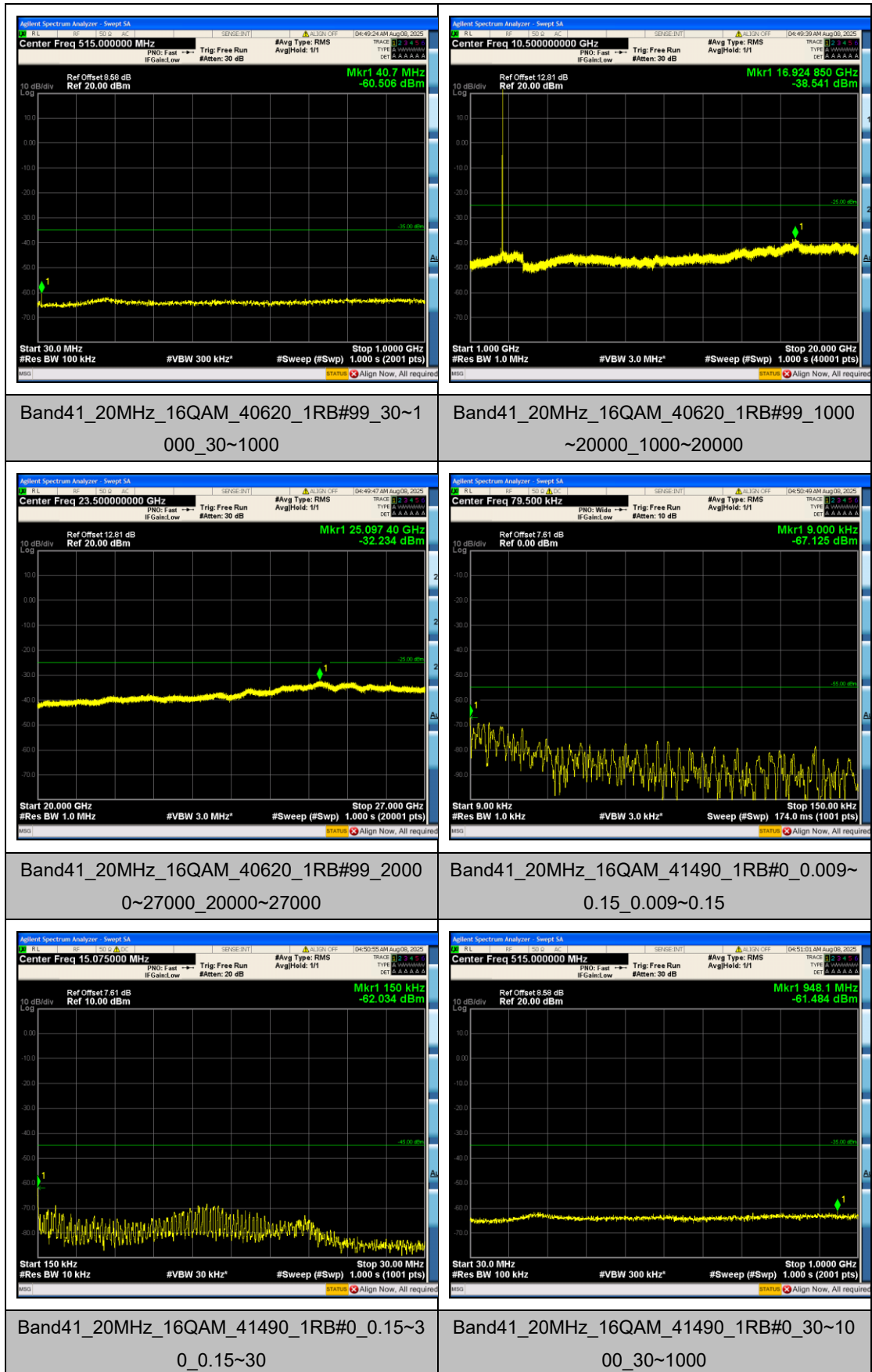


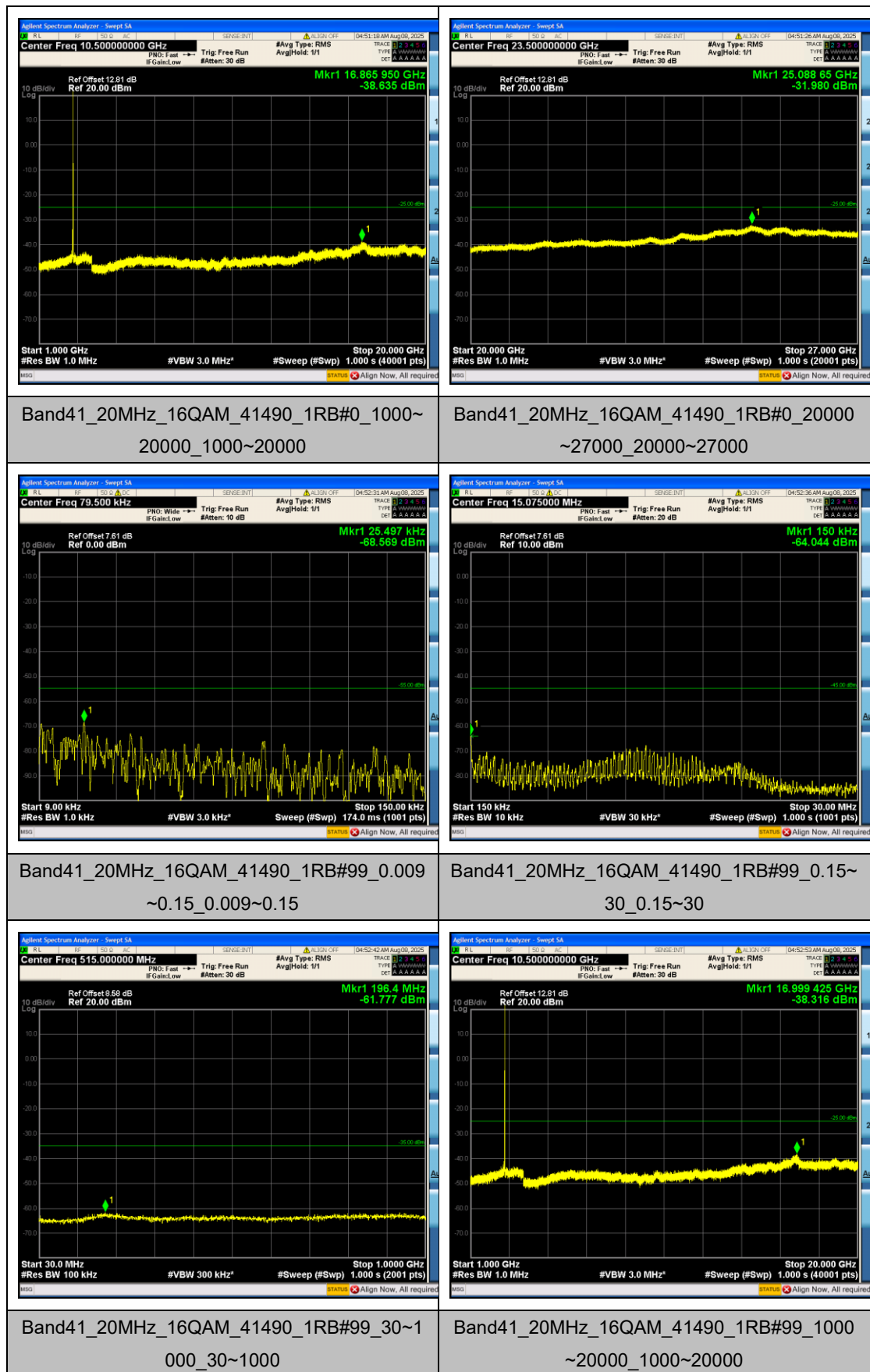


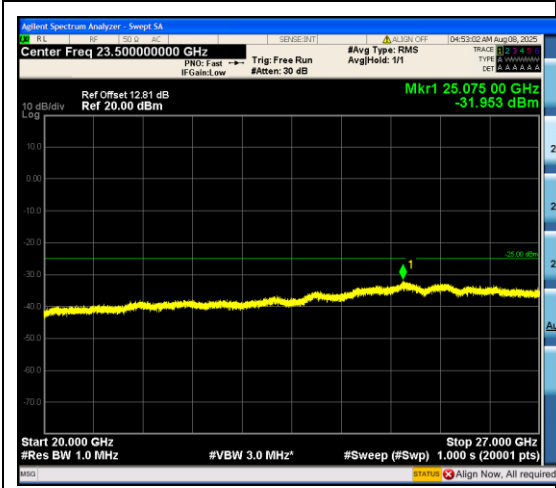












Band41_20MHz_16QAM_41490_1RB#99_2000
0~27000_20000~27000

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	-5.79	-0.002317	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	-20	8.74	0.003498	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	-10	10.41	0.004166	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	0	7.85	0.003142	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	10	4.86	0.001945	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	20	13.13	0.005255	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	30	8.54	0.003418	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	40	11.59	0.004639	±2.5	PASS
Band41	5MHz	QPSK	39675	25RB#0	NV	50	7.60	0.003042	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	-30	9.16	0.003533	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	-20	12.79	0.004933	±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	0	8.41	0.003243	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	10	10.87	0.004192	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	20	11.26	0.004342	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	30	14.16	0.005461	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	40	9.30	0.003587	±2.5	PASS
Band41	5MHz	QPSK	40620	25RB#0	NV	50	-6.81	-0.002626	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	-30	10.94	0.004071	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	-20	14.42	0.005366	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	-10	13.40	0.004986	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	0	10.00	0.003721	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	10	13.36	0.004971	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	20	12.22	0.004547	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	30	14.82	0.005514	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	40	15.84	0.005894	±2.5	PASS
Band41	5MHz	QPSK	41565	25RB#0	NV	50	10.13	0.003769	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	-30	8.90	0.003562	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	-20	8.87	0.003550	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	-10	11.54	0.004619	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	0	9.40	0.003762	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	10	8.20	0.003282	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	20	5.97	0.002389	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	30	6.75	0.002702	±2.5	PASS
Band41	5MHz	16QAM	39675	25RB#0	NV	40	6.98	0.002794	±2.5	PASS

Band41	5MHz	16QAM	39675	25RB#0	NV	50	9.77	0.003910	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	-30	9.11	0.003513	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	-20	9.13	0.003521	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	-10	16.57	0.006390	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	0	10.39	0.004007	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	10	8.68	0.003347	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	20	9.88	0.003810	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	30	5.45	0.002102	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	40	9.43	0.003637	±2.5	PASS
Band41	5MHz	16QAM	40620	25RB#0	NV	50	6.82	0.002630	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	-30	8.78	0.003267	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	-20	11.07	0.004119	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	-10	11.83	0.004402	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	0	7.71	0.002869	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	10	11.17	0.004156	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	20	9.70	0.003609	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	30	10.23	0.003807	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	40	11.97	0.004454	±2.5	PASS
Band41	5MHz	16QAM	41565	25RB#0	NV	50	12.06	0.004487	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-30	7.94	0.003175	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-20	8.68	0.003471	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	-10	11.90	0.004758	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	0	8.13	0.003251	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	10	5.62	0.002247	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	20	10.20	0.004078	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	30	10.84	0.004334	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	40	3.98	0.001591	±2.5	PASS
Band41	10MHz	QPSK	39700	50RB#0	NV	50	11.40	0.004558	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-30	7.37	0.002842	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-20	8.55	0.003297	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	-10	8.40	0.003239	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	0	4.39	0.001693	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	10	13.19	0.005087	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	20	8.71	0.003359	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	30	6.11	0.002356	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	40	7.68	0.002962	±2.5	PASS
Band41	10MHz	QPSK	40620	50RB#0	NV	50	-6.45	-0.002487	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-30	6.14	0.002287	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-20	9.07	0.003378	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	-10	7.30	0.002719	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	0	-9.38	-0.003493	±2.5	PASS

Band41	10MHz	QPSK	41540	50RB#0	NV	10	-13.12	-0.004886	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	20	-7.17	-0.002670	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	30	9.10	0.003389	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	40	-12.15	-0.004525	±2.5	PASS
Band41	10MHz	QPSK	41540	50RB#0	NV	50	-9.66	-0.003598	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	-30	-9.00	-0.003595	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	-20	-7.87	-0.003144	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	-10	-8.48	-0.003387	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	0	-8.41	-0.003359	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	10	-7.30	-0.002916	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	20	-6.69	-0.002672	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	30	-8.15	-0.003255	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	40	6.32	0.002524	±2.5	PASS
Band41	15MHz	QPSK	39725	75RB#0	NV	50	-10.67	-0.004262	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	-30	7.71	0.002973	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	-20	10.00	0.003857	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	-10	-5.49	-0.002117	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	0	3.52	0.001358	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	10	-7.74	-0.002985	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	20	-5.44	-0.002098	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	30	8.40	0.003239	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	40	-6.92	-0.002669	±2.5	PASS
Band41	15MHz	QPSK	40620	75RB#0	NV	50	-8.90	-0.003432	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	-30	9.81	0.003657	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	-20	10.83	0.004037	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	-10	12.20	0.004548	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	0	7.97	0.002971	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	10	9.21	0.003433	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	20	7.81	0.002911	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	30	10.70	0.003989	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	40	13.96	0.005204	±2.5	PASS
Band41	15MHz	QPSK	41515	75RB#0	NV	50	7.88	0.002938	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-30	7.58	0.003025	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-20	-4.59	-0.001832	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	-10	8.03	0.003204	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	0	5.71	0.002279	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	10	7.94	0.003168	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	20	-7.22	-0.002881	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	30	7.78	0.003105	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	40	-8.20	-0.003272	±2.5	PASS
Band41	20MHz	QPSK	39750	100RB#0	NV	50	6.97	0.002781	±2.5	PASS

Band41	20MHz	QPSK	40620	100RB#0	NV	-30	6.45	0.002487	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	8.18	0.003155	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	19.00	0.007327	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-6.38	-0.002460	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	4.39	0.001693	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	12.39	0.004778	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-9.06	-0.003494	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	7.82	0.003016	±2.5	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-5.19	-0.002002	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-30	7.87	0.002937	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-20	8.54	0.003187	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	-10	6.44	0.002403	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	0	9.67	0.003608	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	10	7.84	0.002925	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	20	8.01	0.002989	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	30	9.18	0.003425	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	40	6.78	0.002530	±2.5	PASS
Band41	20MHz	QPSK	41490	100RB#0	NV	50	6.64	0.002478	±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

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