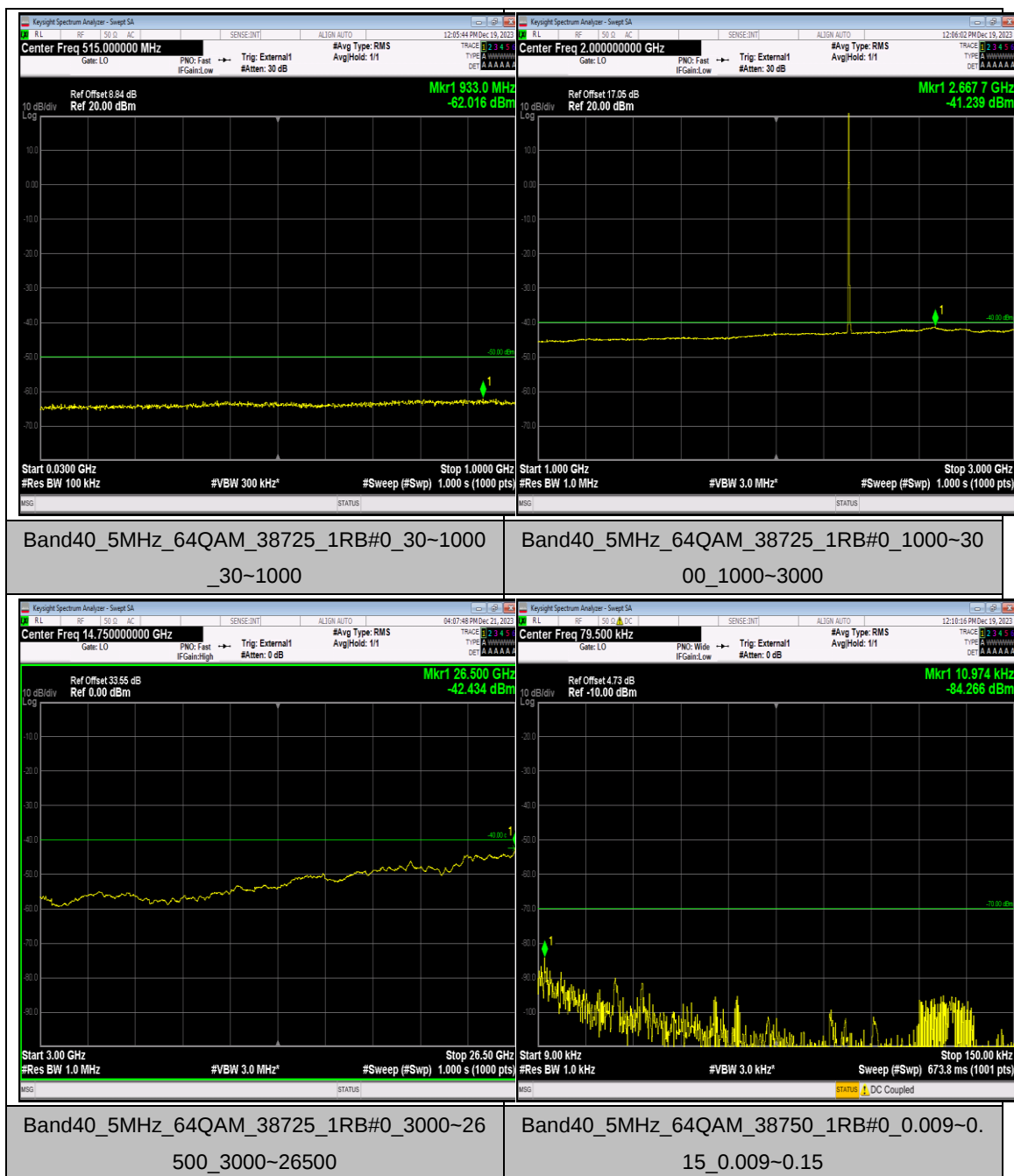
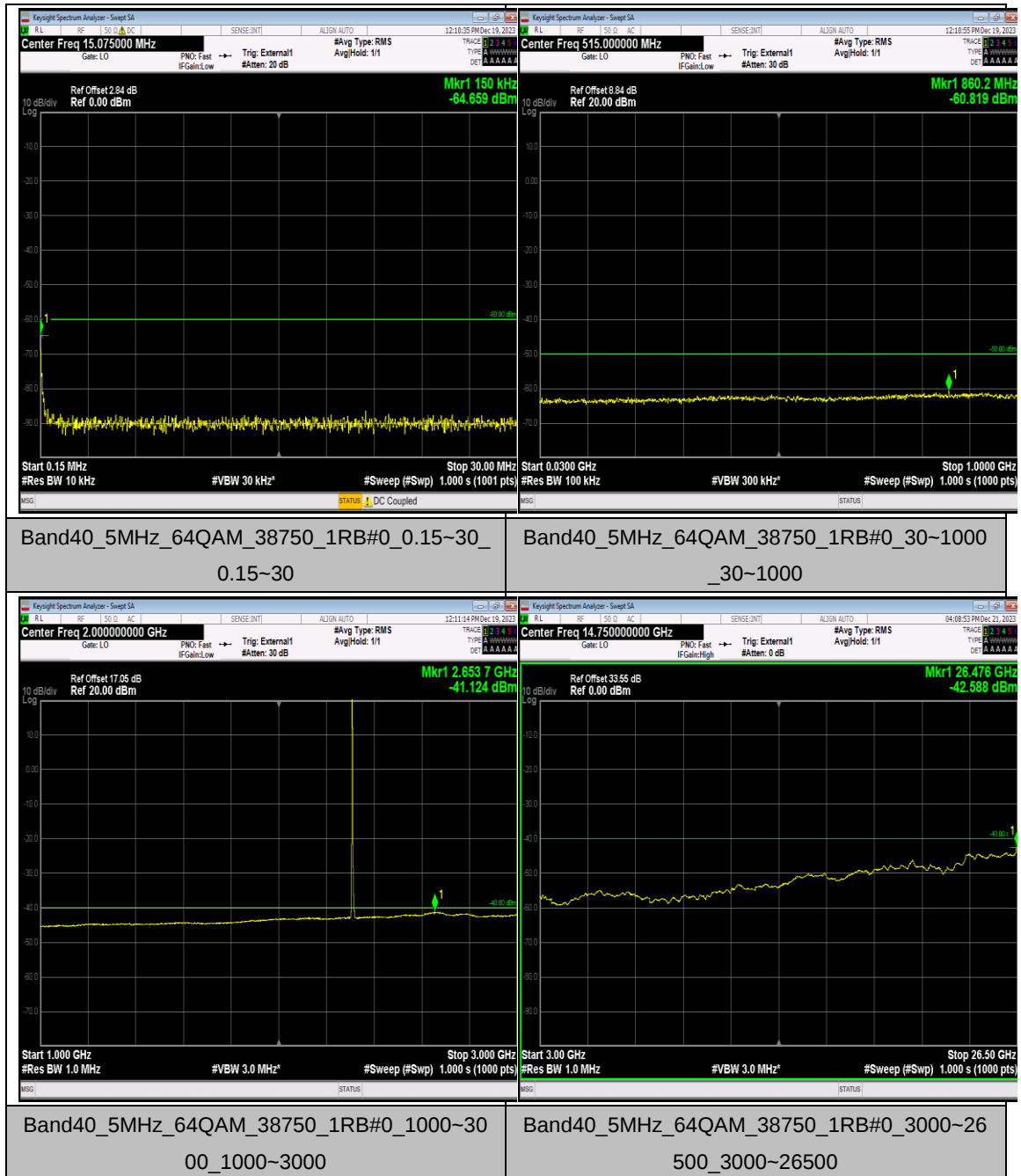
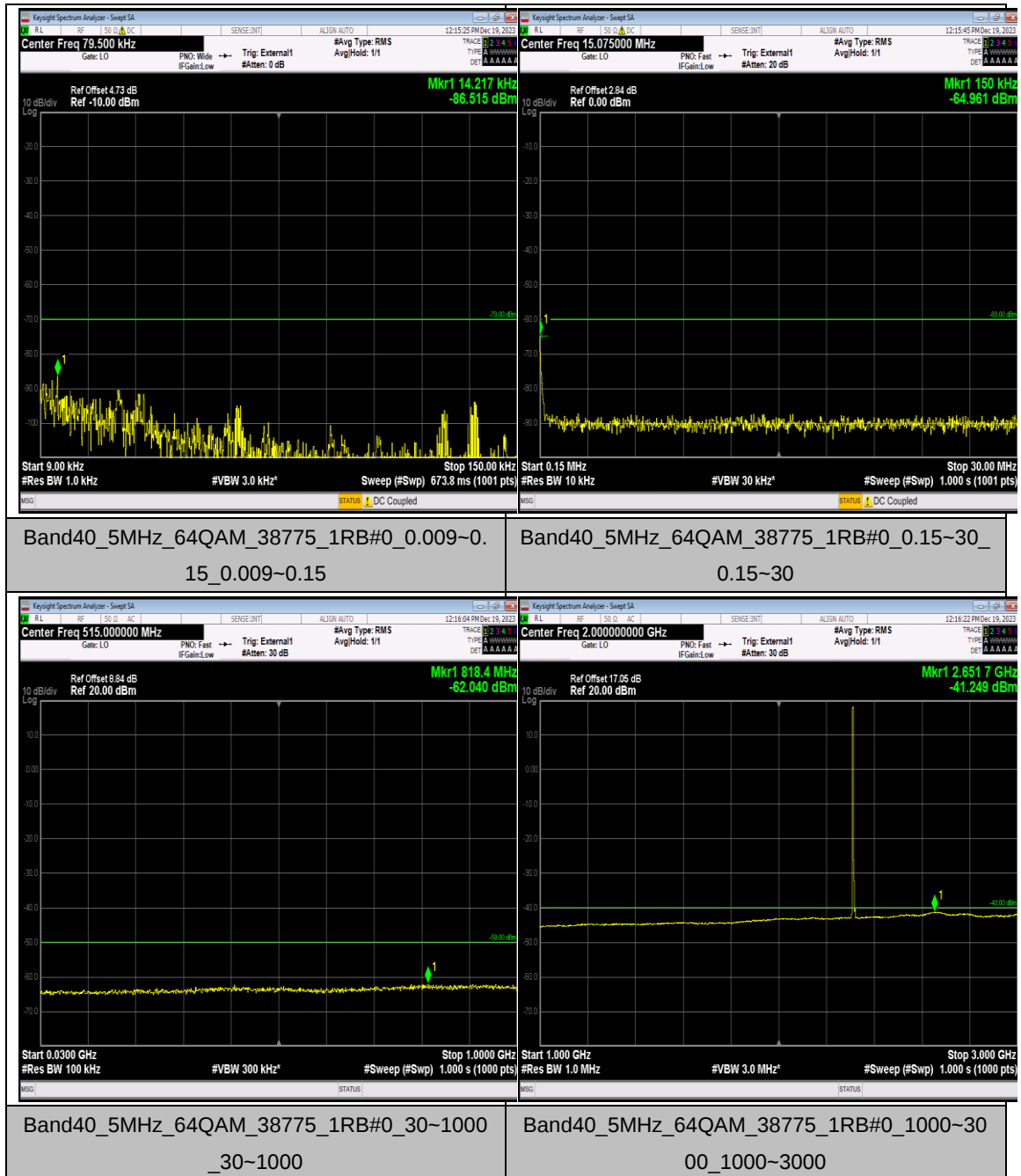
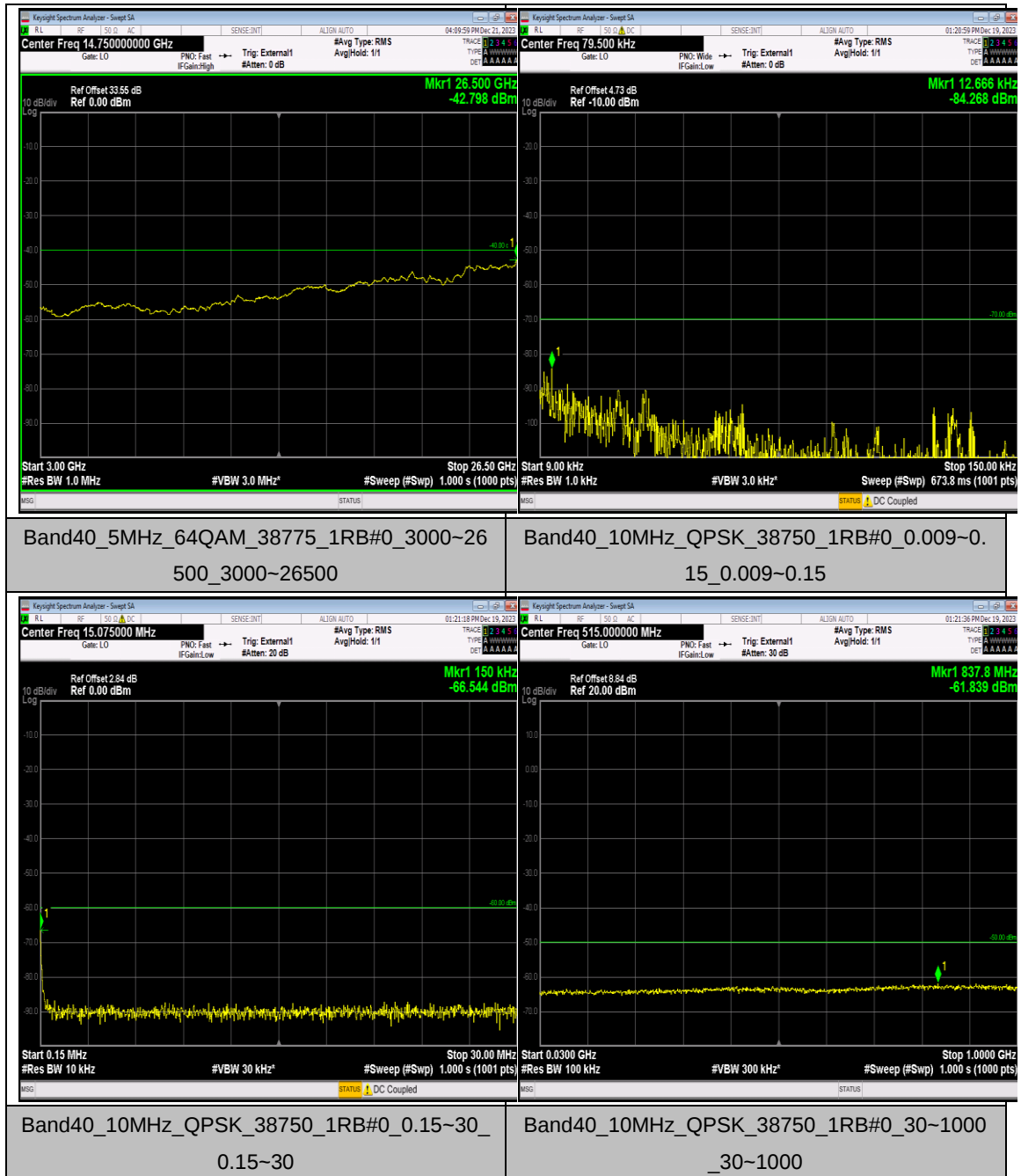
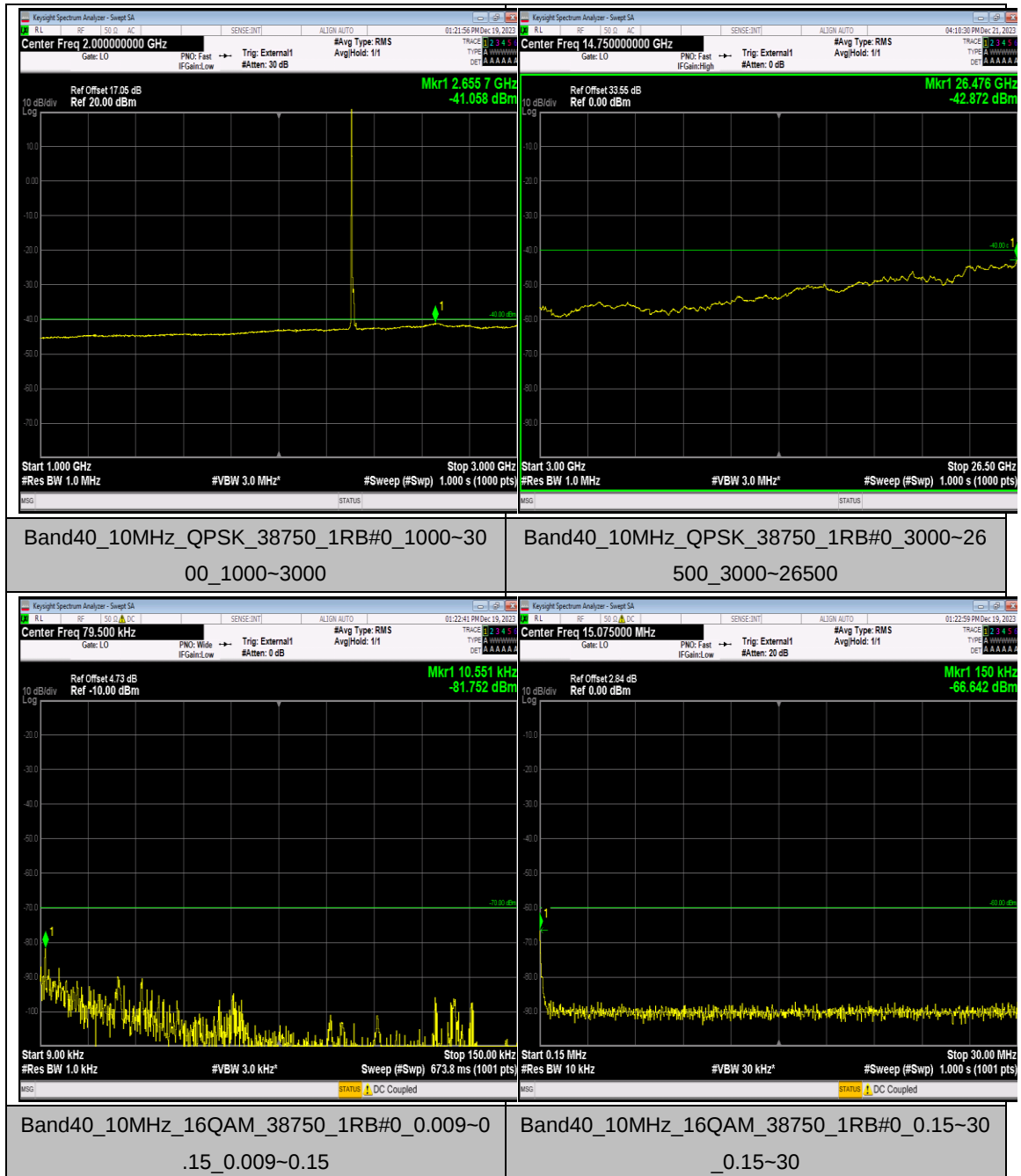


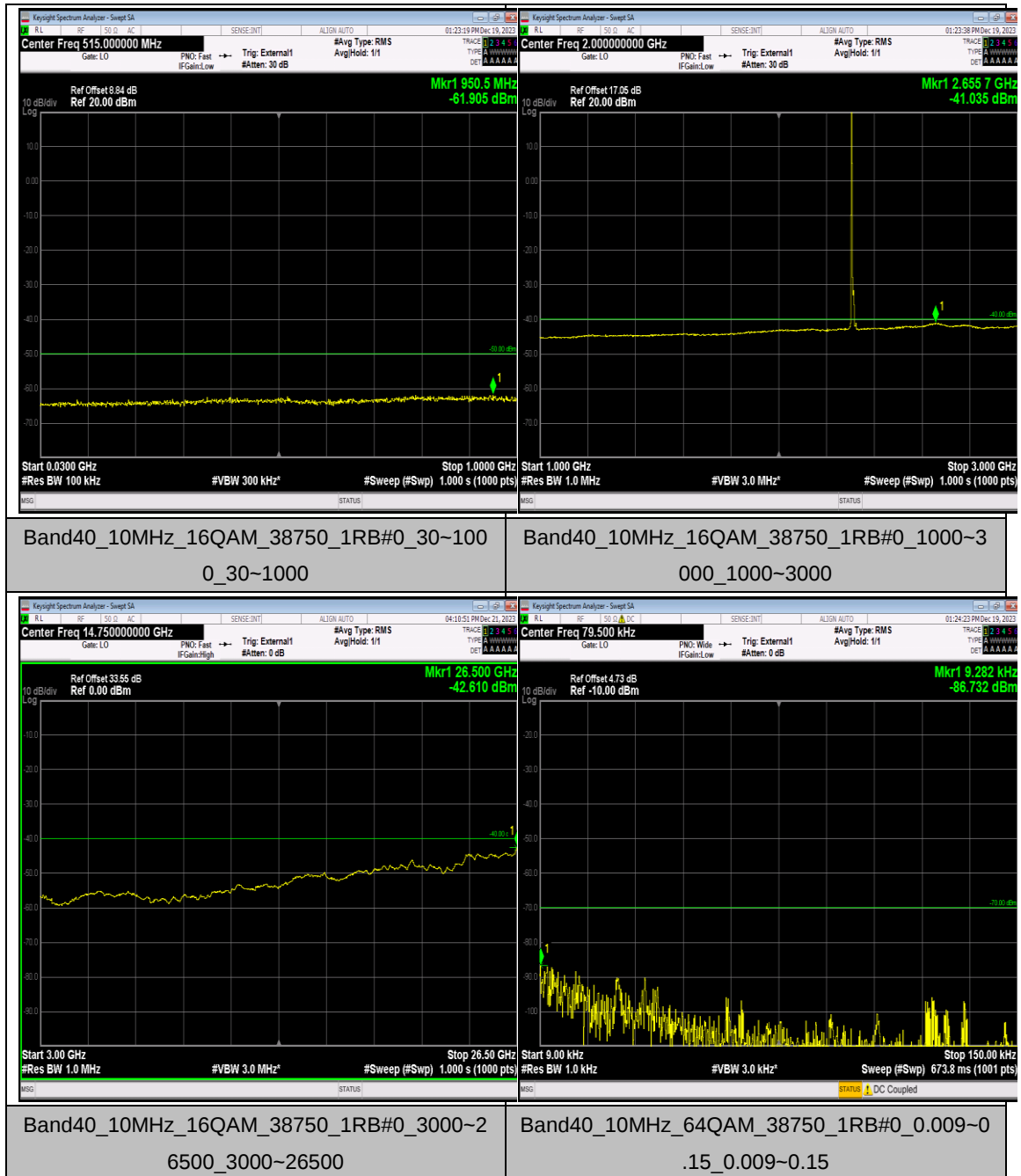


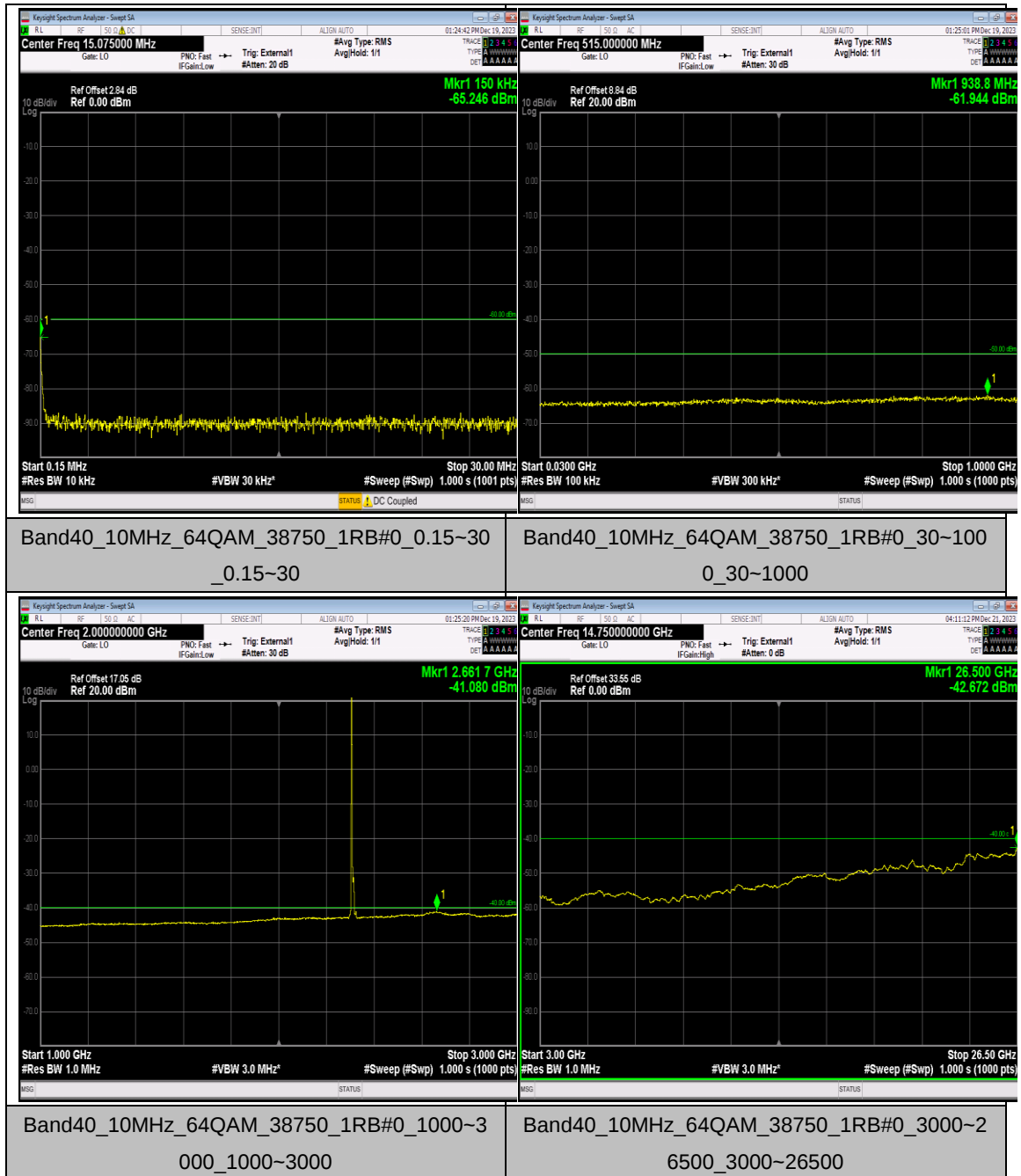


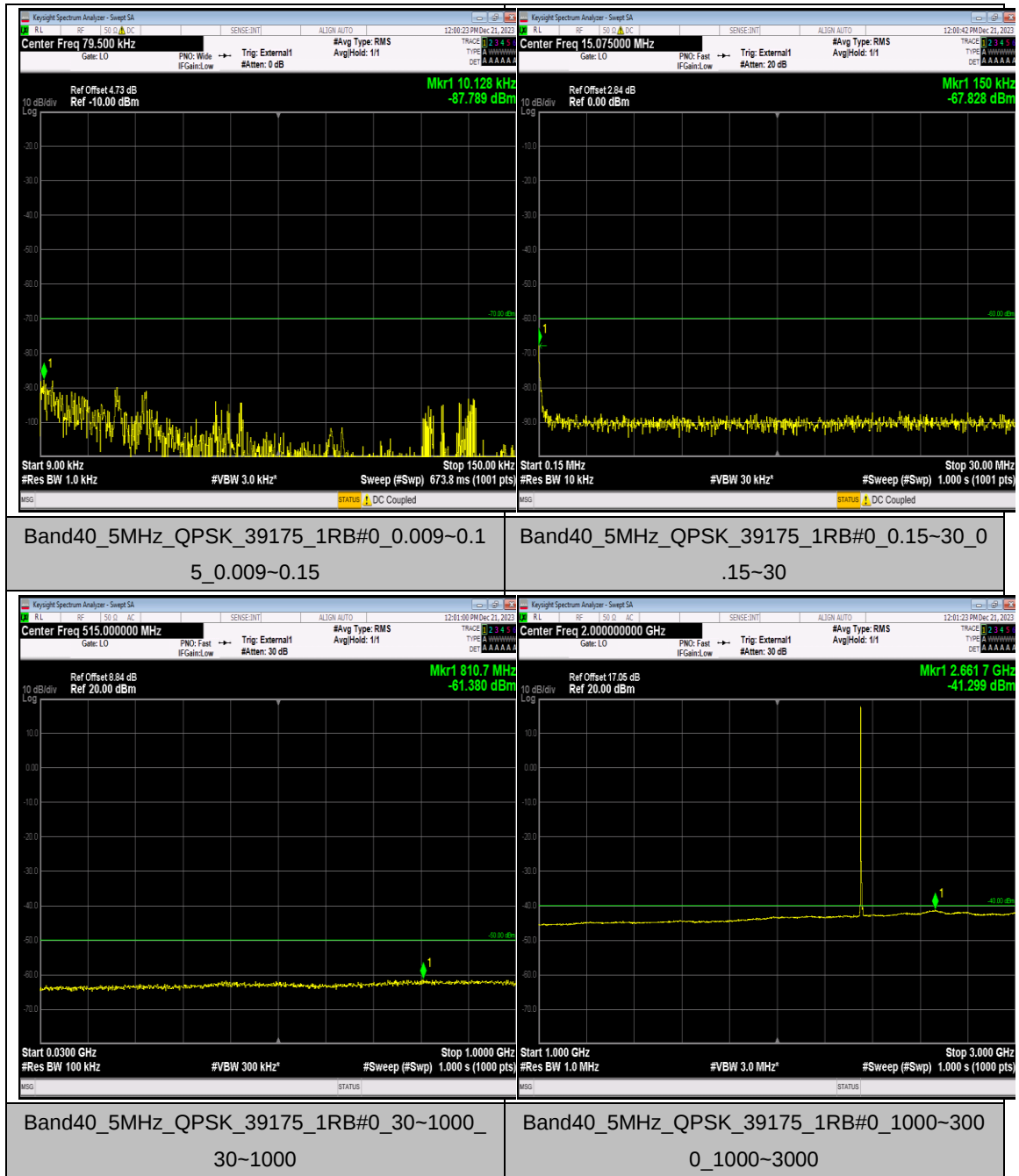


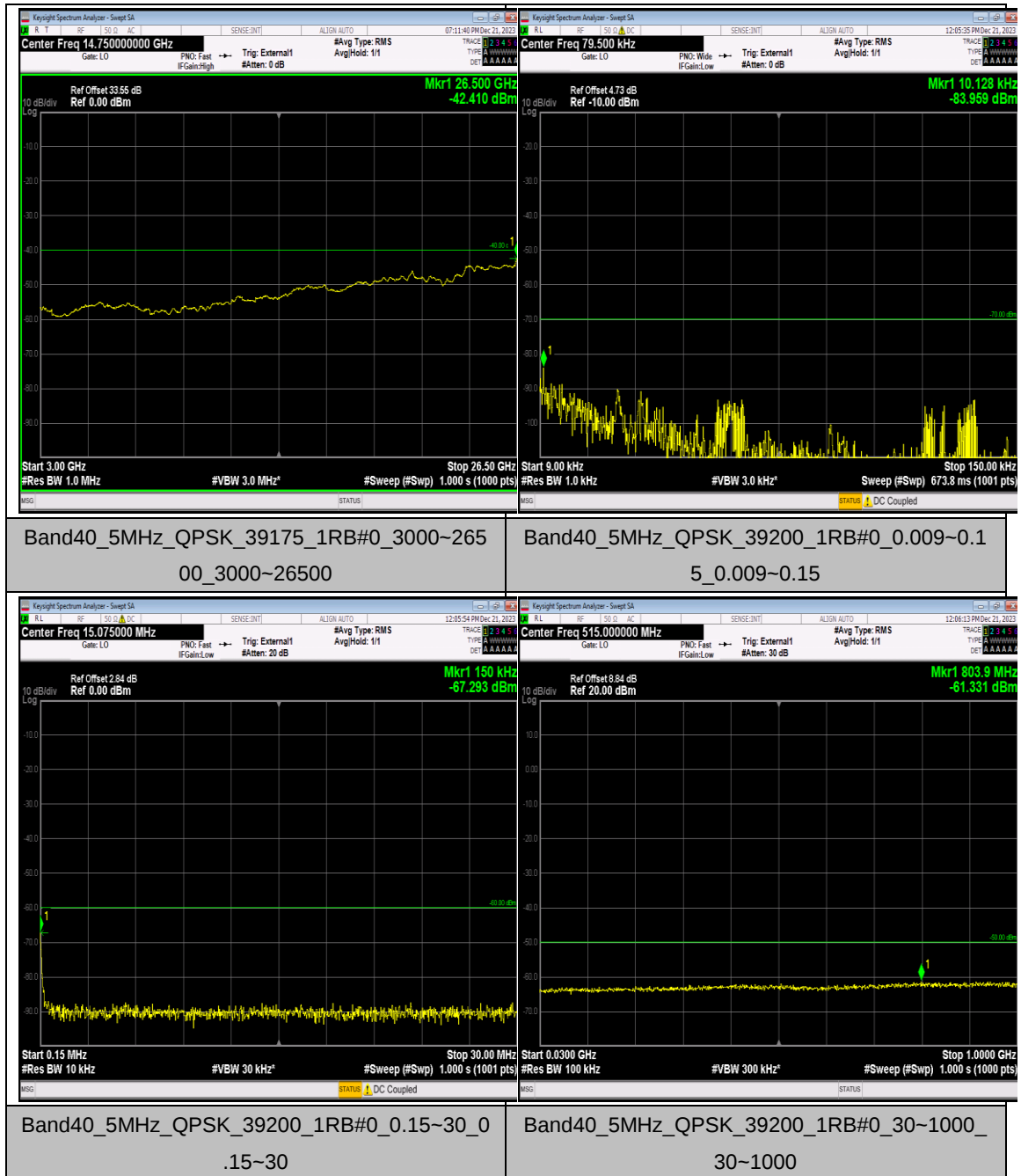


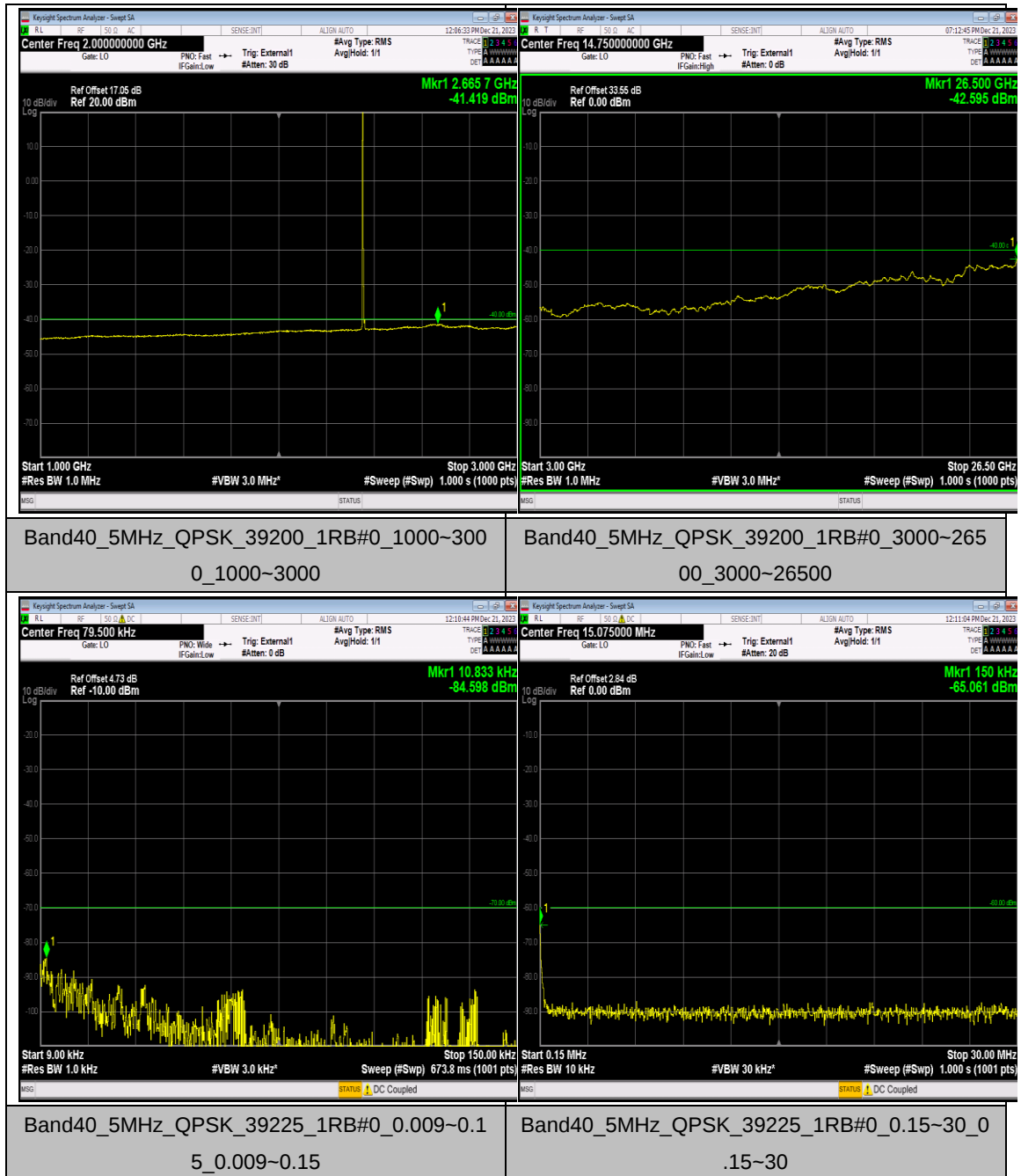


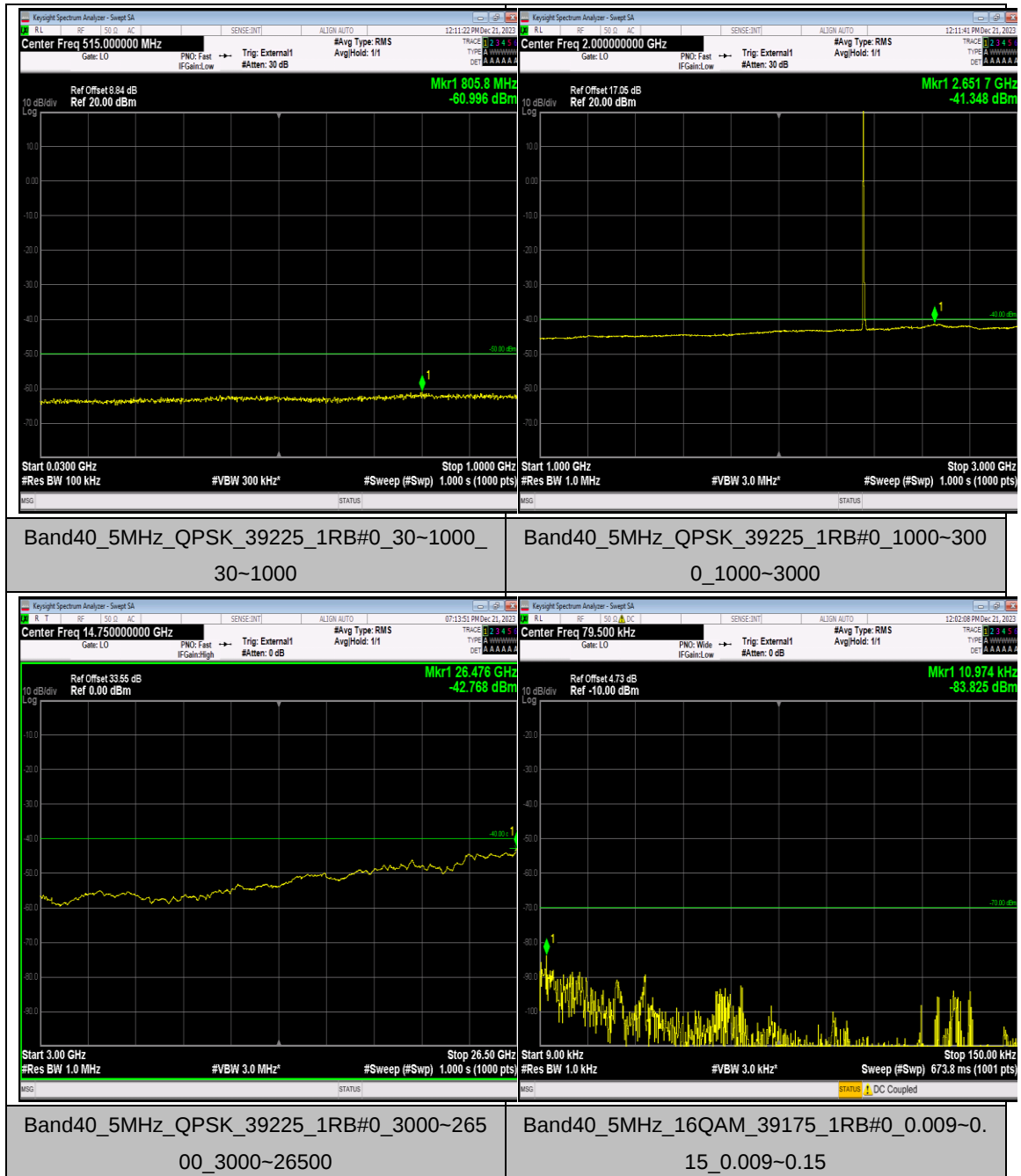


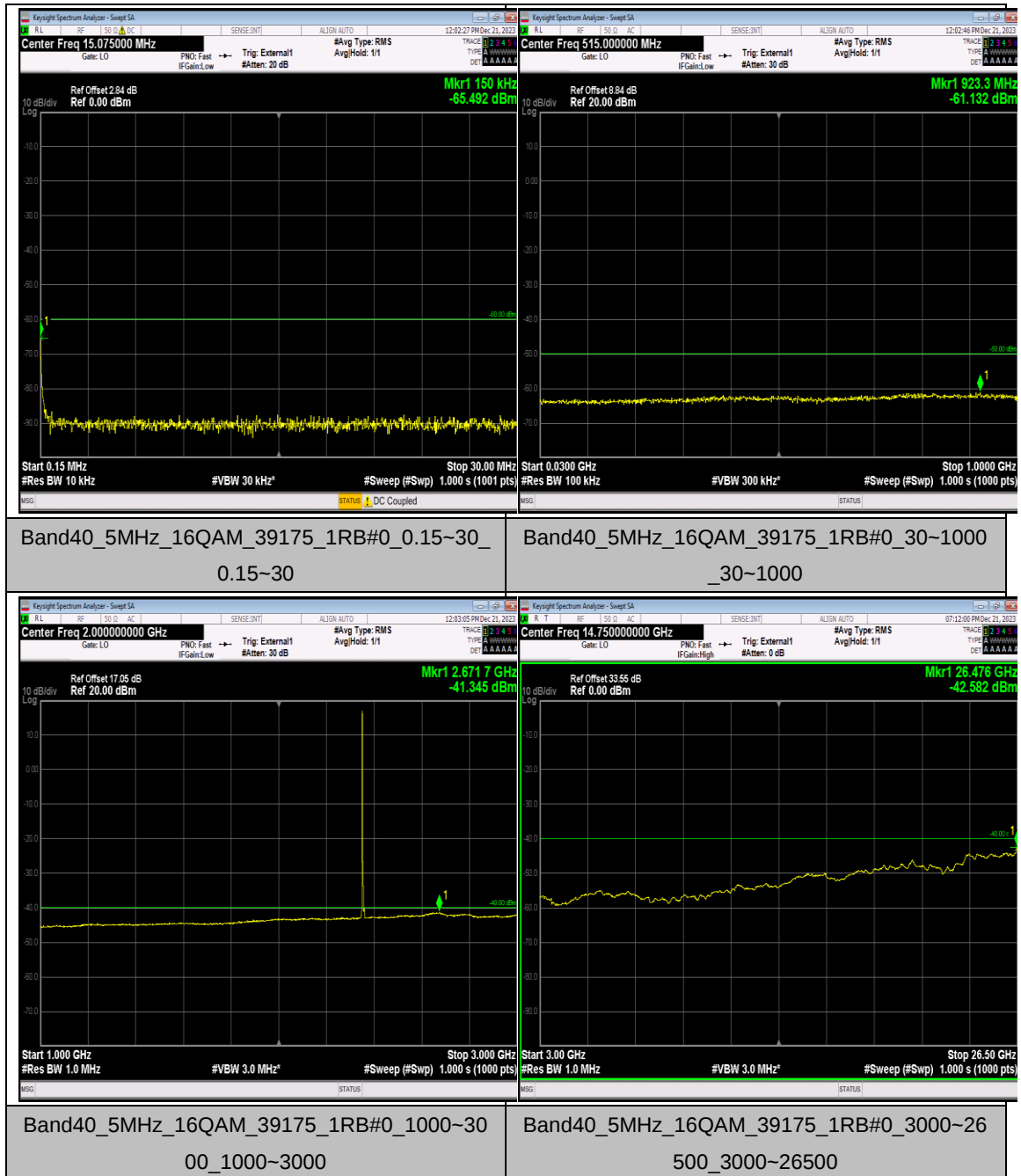


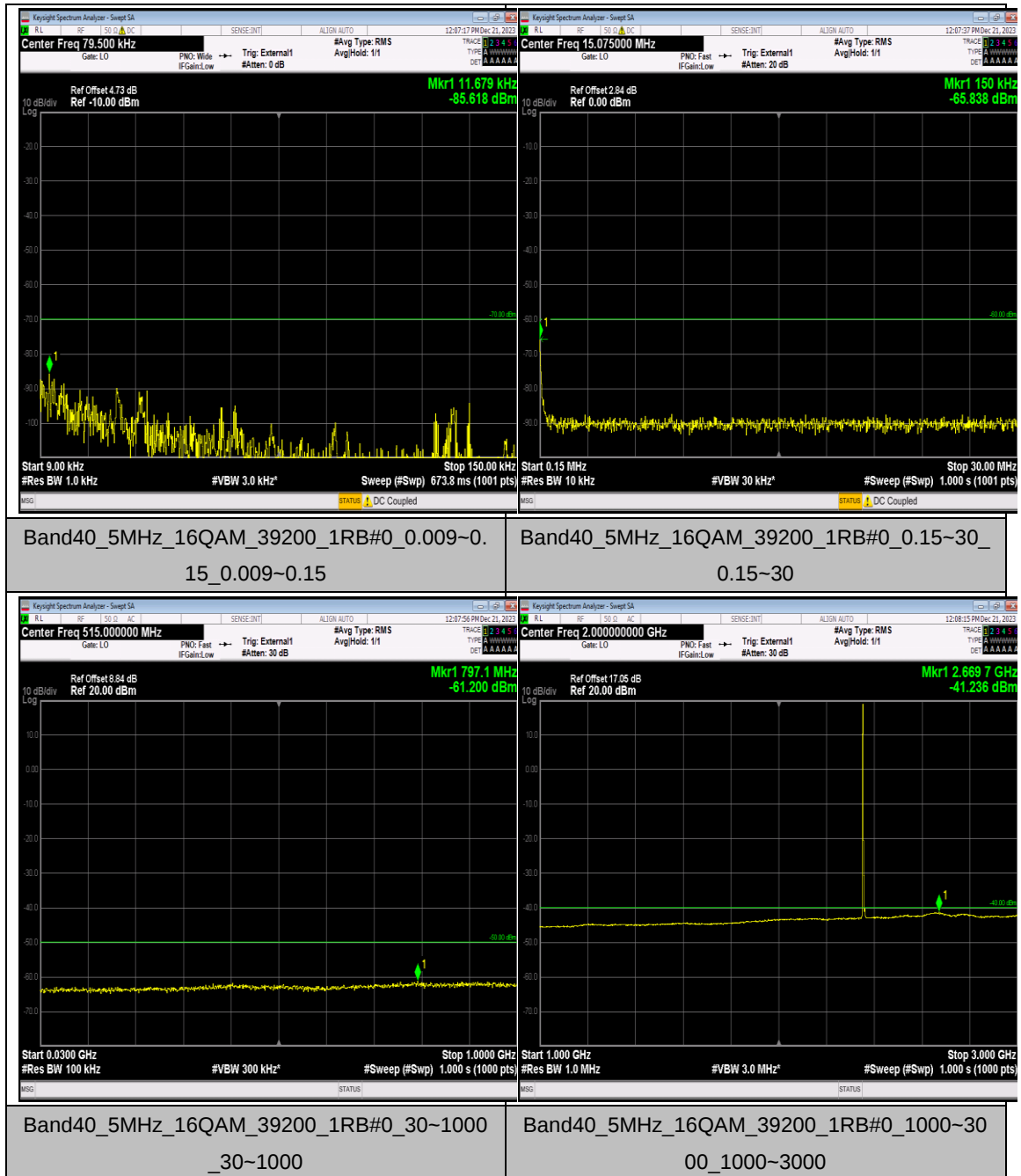


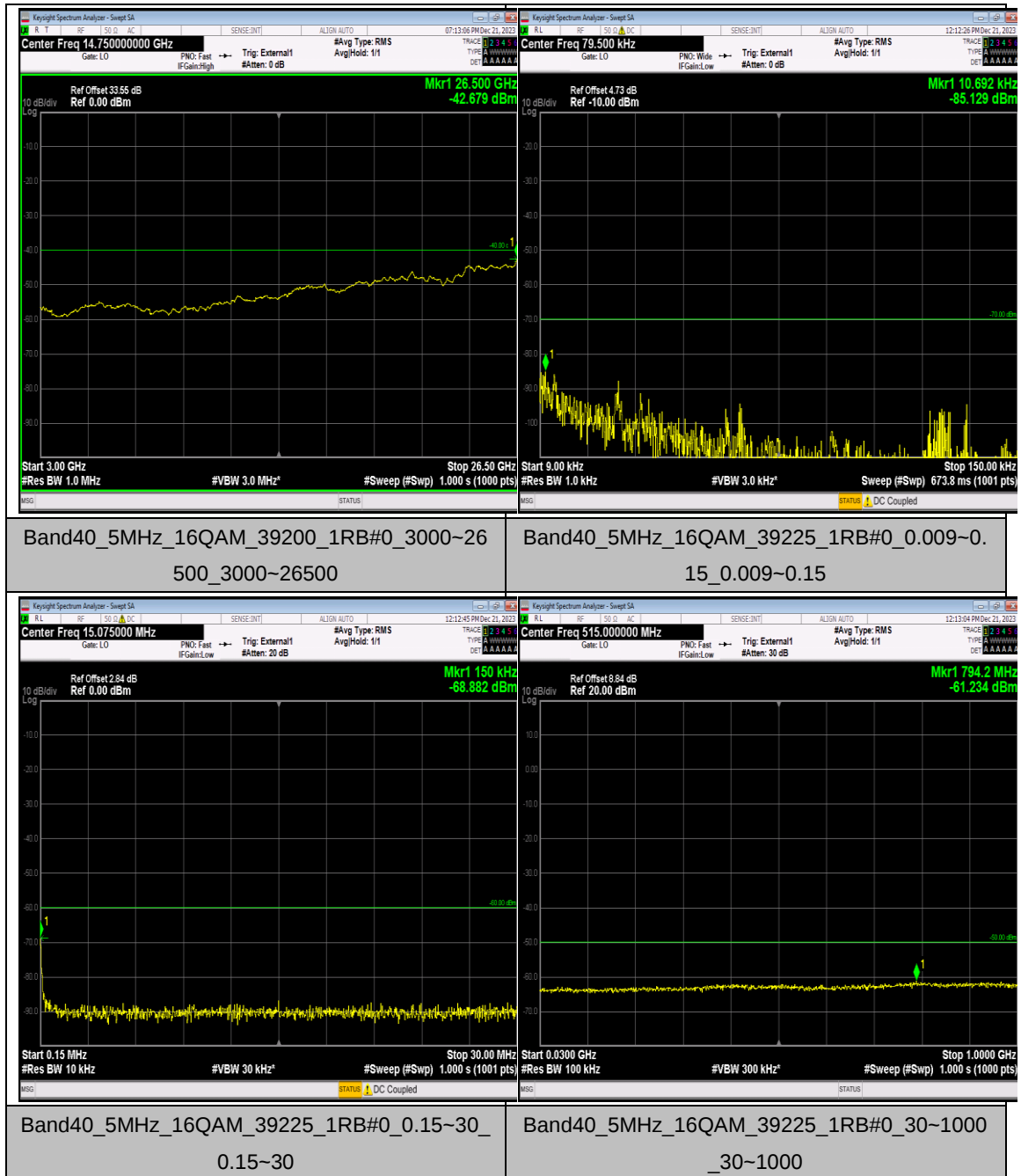


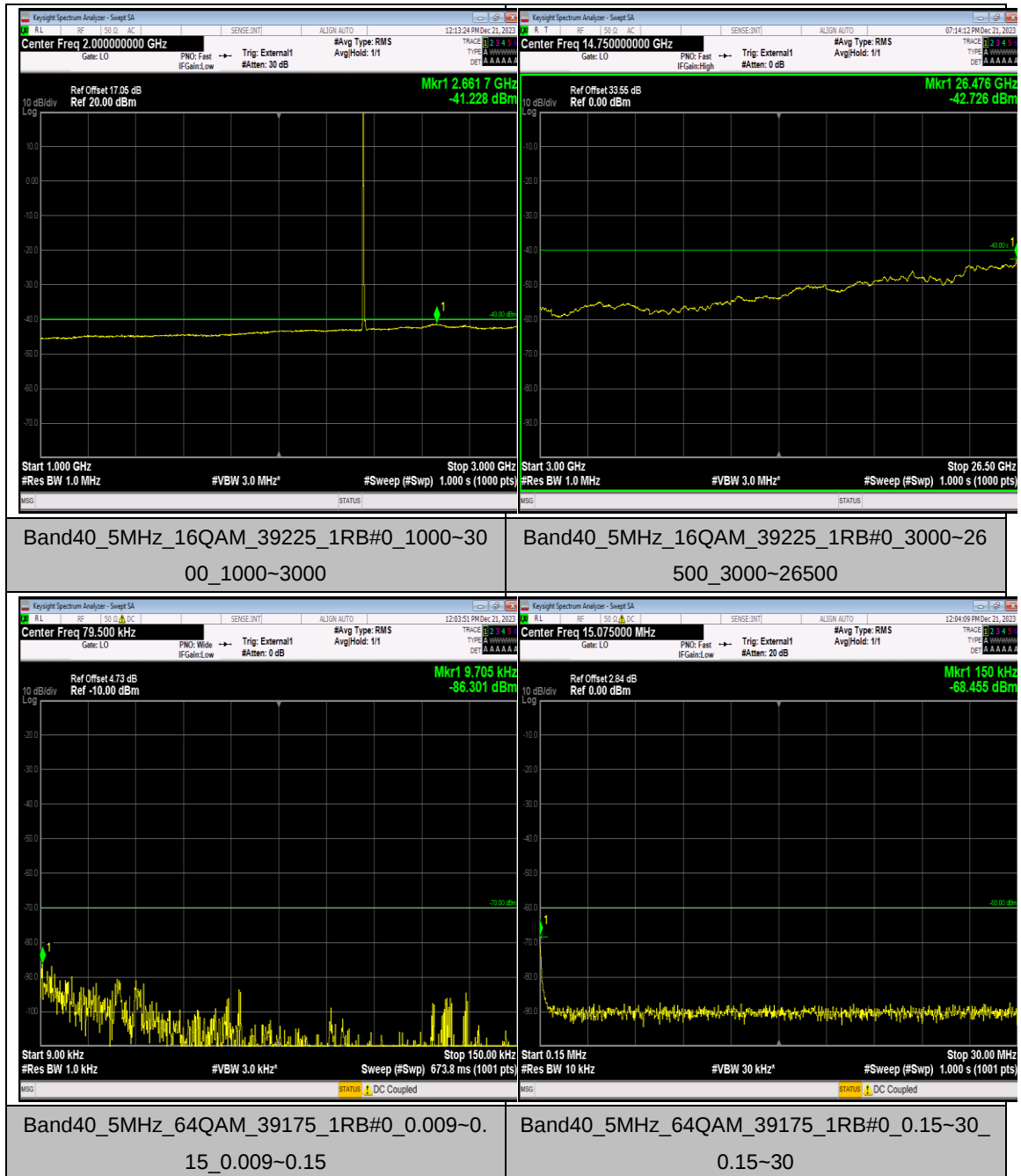


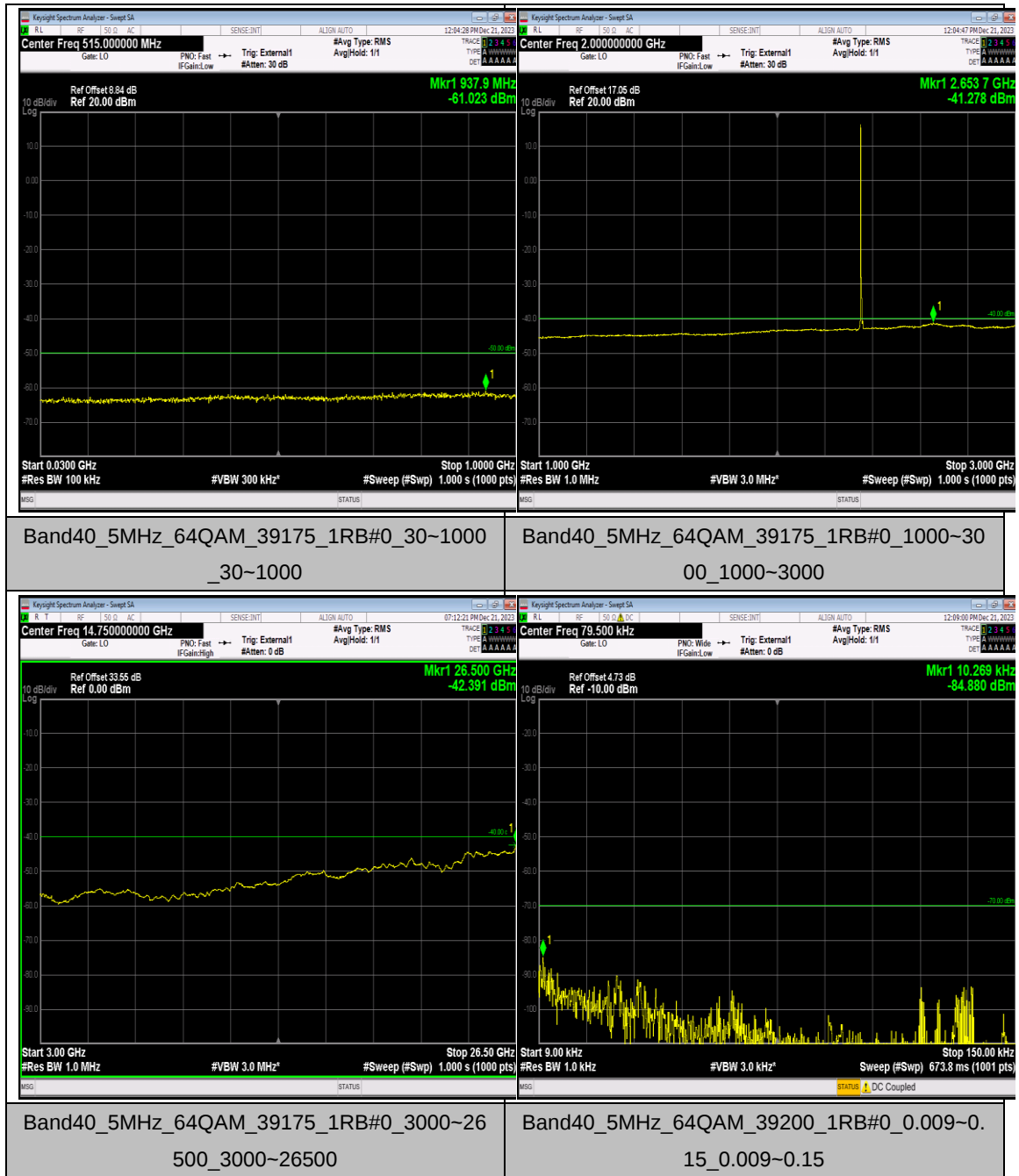


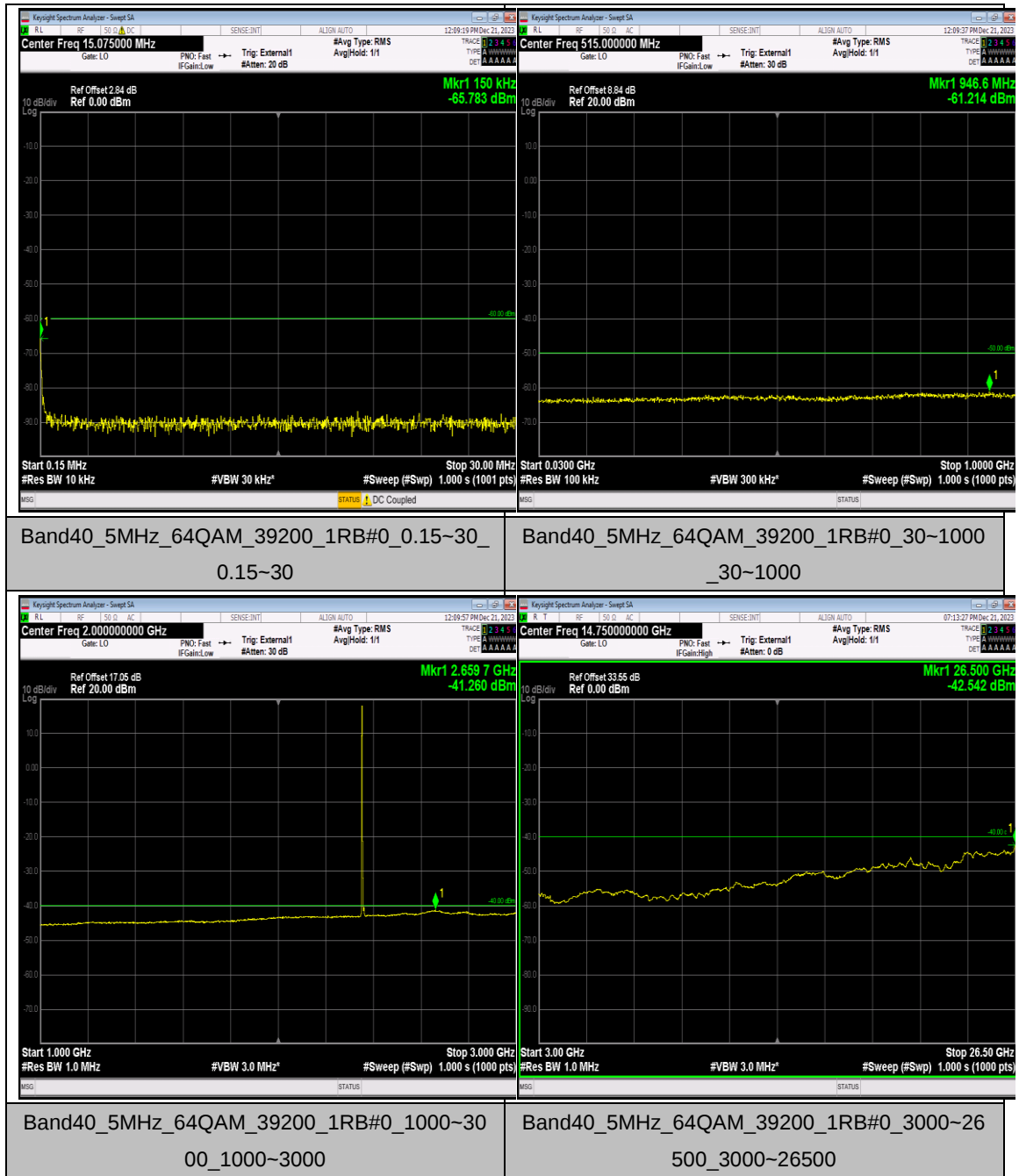


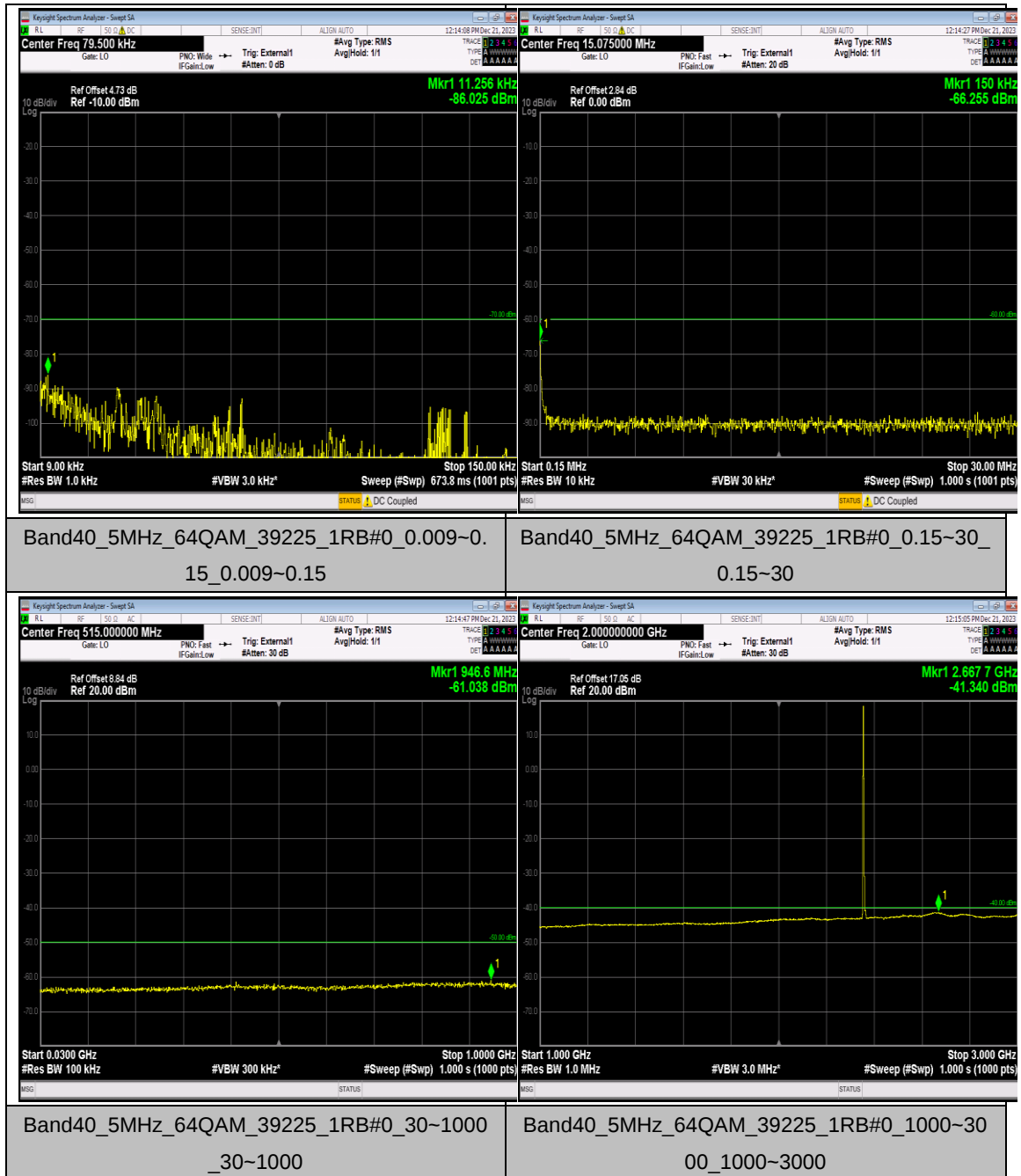


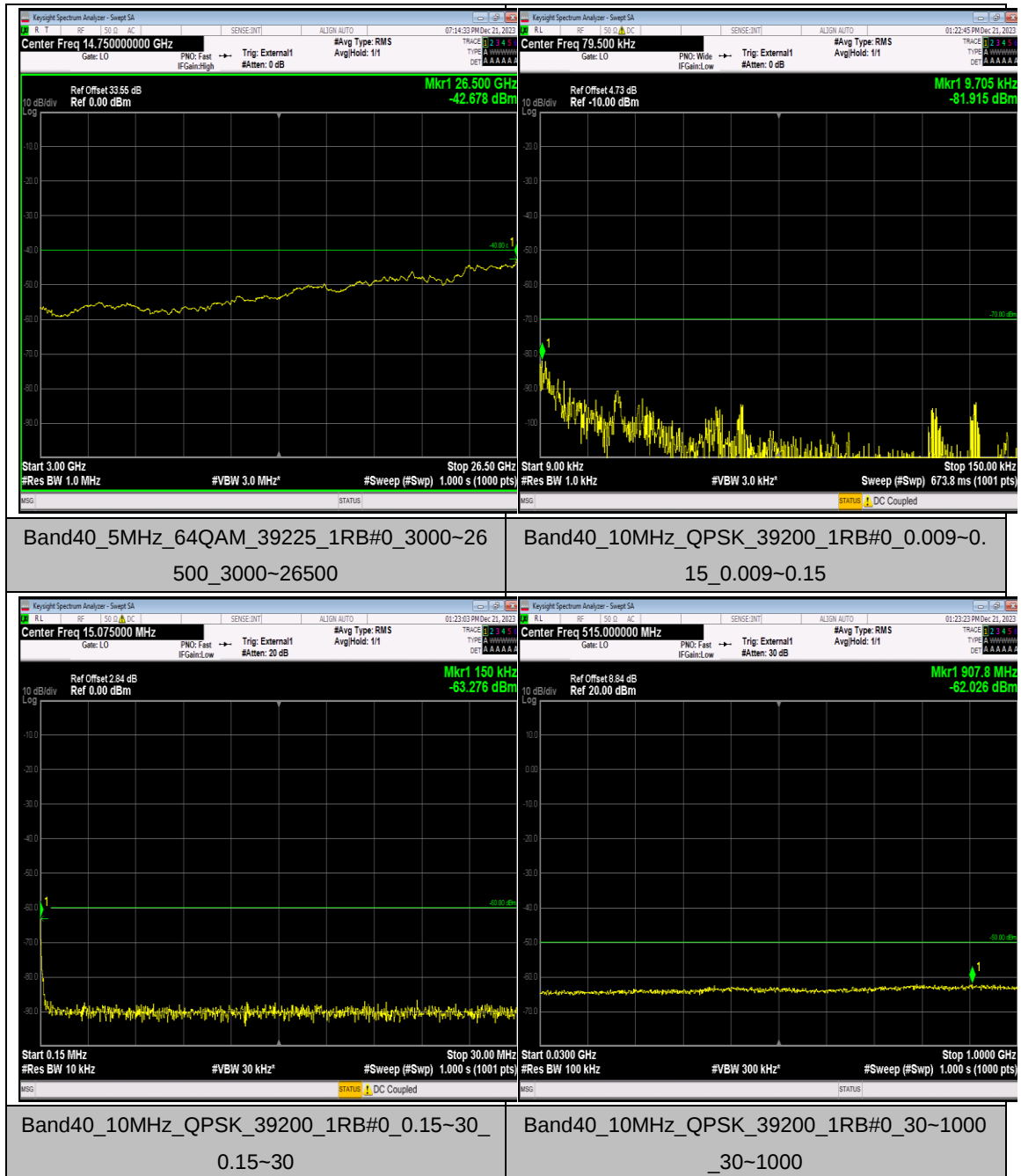


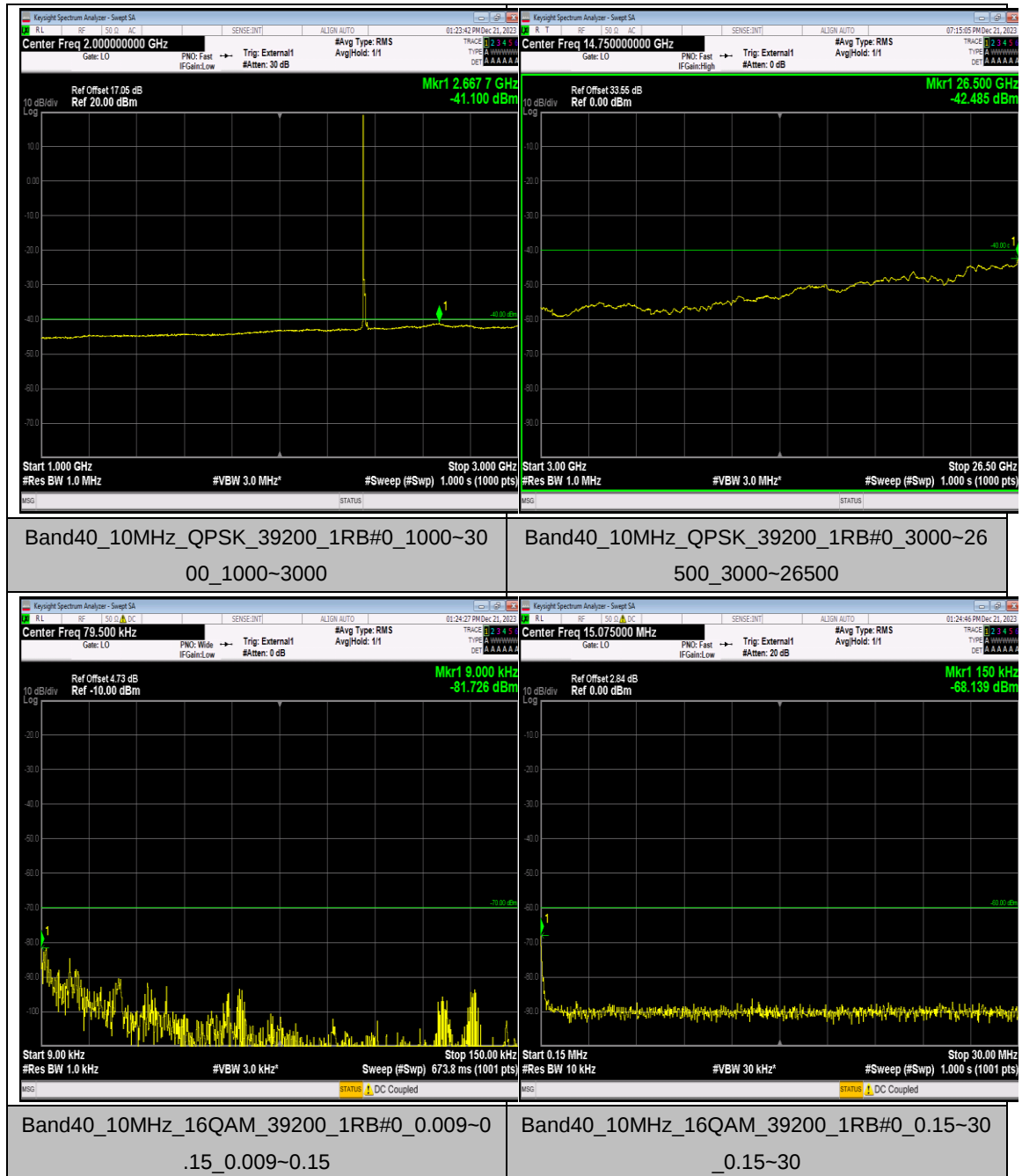


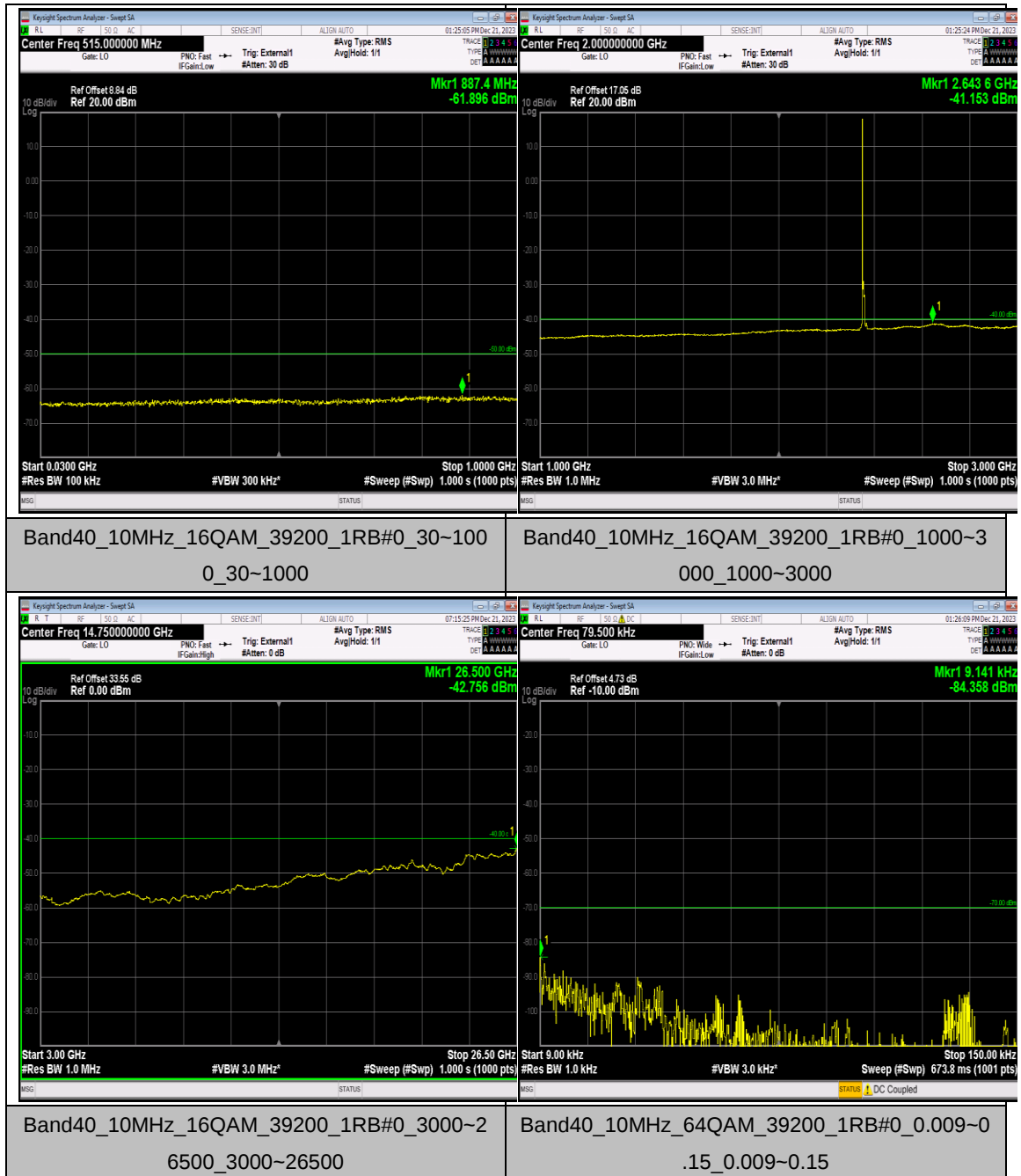


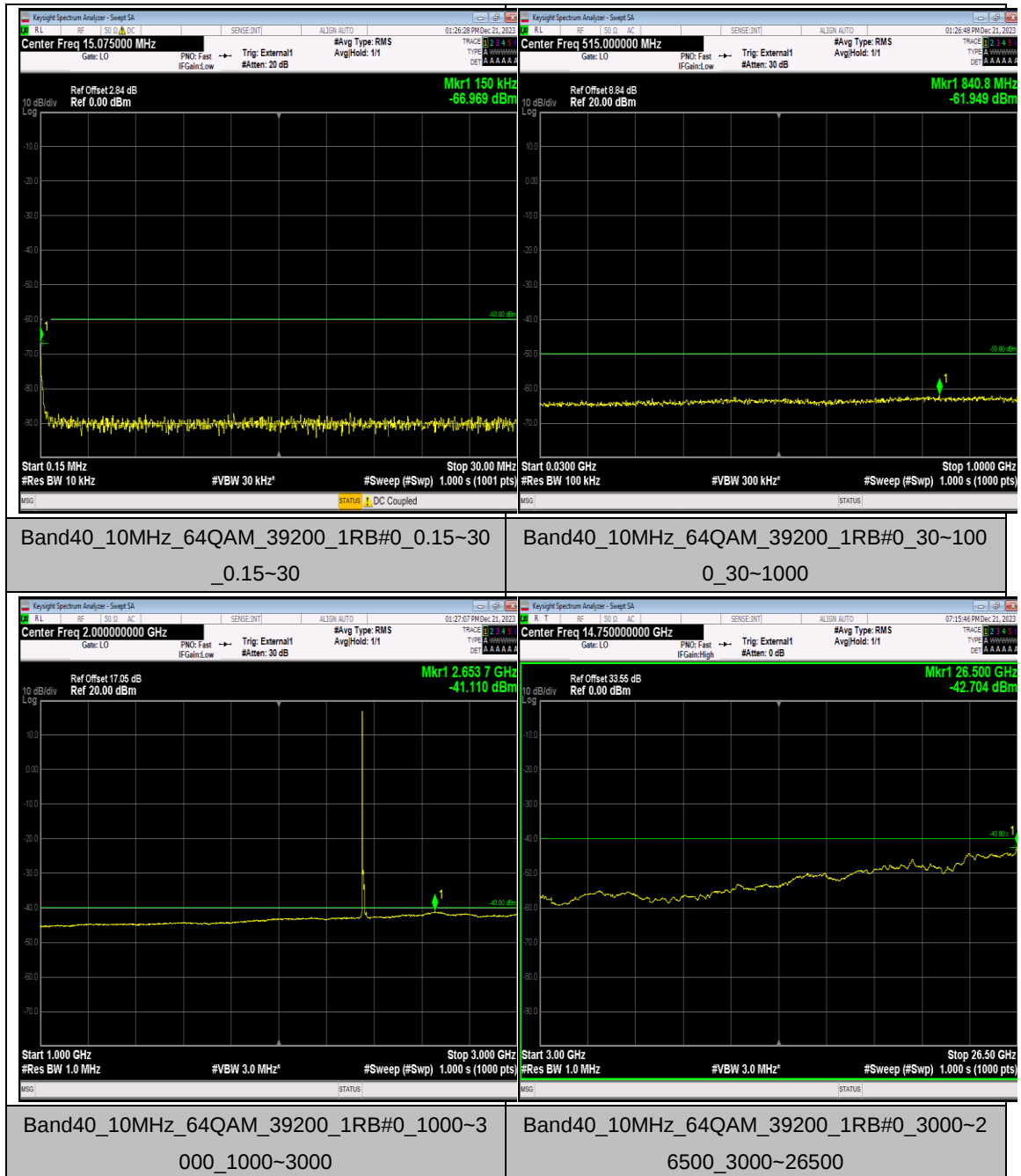












Appendix F: Frequency Stability

Test Result

LTE Band 40 (2305-2315) part:

Reference Frequency: LTE Band 2 (10MHz) Middle channel=38750 Frequency=2355.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.91	-30	7.98	0.003455	Within authorized band for Band 2	Pass
	-20	6.07	0.002628		
	-10	5.34	0.002312		
	0	7.02	0.003039		
	10	4.15	0.001797		
	20	4.25	0.001840		
	30	3.93	0.001701		
	40	4.73	0.002048		
	50	6.84	0.002961		
16QAM					
3.91	-30	6.82	0.002952	Within authorized band for Band 2	Pass
	-20	5.78	0.002502		
	-10	-2.73	-0.001182		
	0	3.08	0.001333		
	10	7.91	0.003424		
	20	5.39	0.002333		
	30	3.66	0.001584		
	40	2.73	0.001182		
	50	4.79	0.002074		
64QAM					
3.91	-30	7.18	0.003108	Within authorized band for Band 2	Pass
	-20	5.22	0.002260		
	-10	5.08	0.002199		
	0	6.09	0.002636		
	10	3.22	0.001394		
	20	3.39	0.001468		
	30	7.81	0.003381		
	40	4.02	0.001740		
	50	3.39	0.001468		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.45	6.88	0.002978	Within authorized band for Band	Pass
	3.91	9.87	0.004273		
	4.50	1.69	0.000732		
16QAM					
25	3.45	4.99	0.002160	Within authorized band for Band	Pass
	3.91	9.87	0.004273		
	4.50	9.11	0.003944		
64QAM					
25	3.45	6.94	0.003004	Within authorized band for Band	Pass
	3.91	4.79	0.002074		
	4.50	7.24	0.003134		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 40 (2350-2360) part:

Reference Frequency: LTE Band 40 (10MHz) Middle channel=39200 Frequency=2355.00MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.91	-30	-5.94	-0.002522	Within authorized band for Band 40	Pass
	-20	-7.32	-0.003108		
	-10	-4.92	-0.002089		
	0	-7.52	-0.003193		
	10	-5.82	-0.002471		
	20	-6.79	-0.002883		
	30	-6.21	-0.002637		
	40	-4.31	-0.001830		
	50	-4.23	-0.001796		
16QAM					
3.91	-30	-6.09	-0.002586	Within authorized band for Band 40	Pass
	-20	-6.65	-0.002824		
	-10	-5.89	-0.002501		
	0	-5.74	-0.002437		
	10	-4.21	-0.001788		
	20	-8.28	-0.003516		
	30	-4.58	-0.001945		
	40	-3.86	-0.001639		
	50	-4.79	-0.002034		
64QAM					
3.91	-30	-9.20	-0.003907	Within authorized band for Band 40	Pass
	-20	-6.09	-0.002586		
	-10	-7.14	-0.003032		
	0	-8.81	-0.003741		
	10	-7.45	-0.003163		
	20	-5.97	-0.002535		
	30	-10.69	-0.004539		
	40	-6.68	-0.002837		
	50	-4.62	-0.001962		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.45	-8.35	-0.003546	Within authorized band for Band	Pass
	3.91	-4.49	-0.001907		
	4.50	-2.07	-0.000879		
16QAM					
25	3.45	-7.77	-0.003299	Within authorized band for Band	Pass
	3.91	-7.77	-0.003299		
	4.50	-7.18	-0.003049		
64QAM					
25	3.45	-5.71	-0.002425	Within authorized band for Band	Pass
	3.91	3.32	0.001410		
	4.50	4.86	0.002064		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					