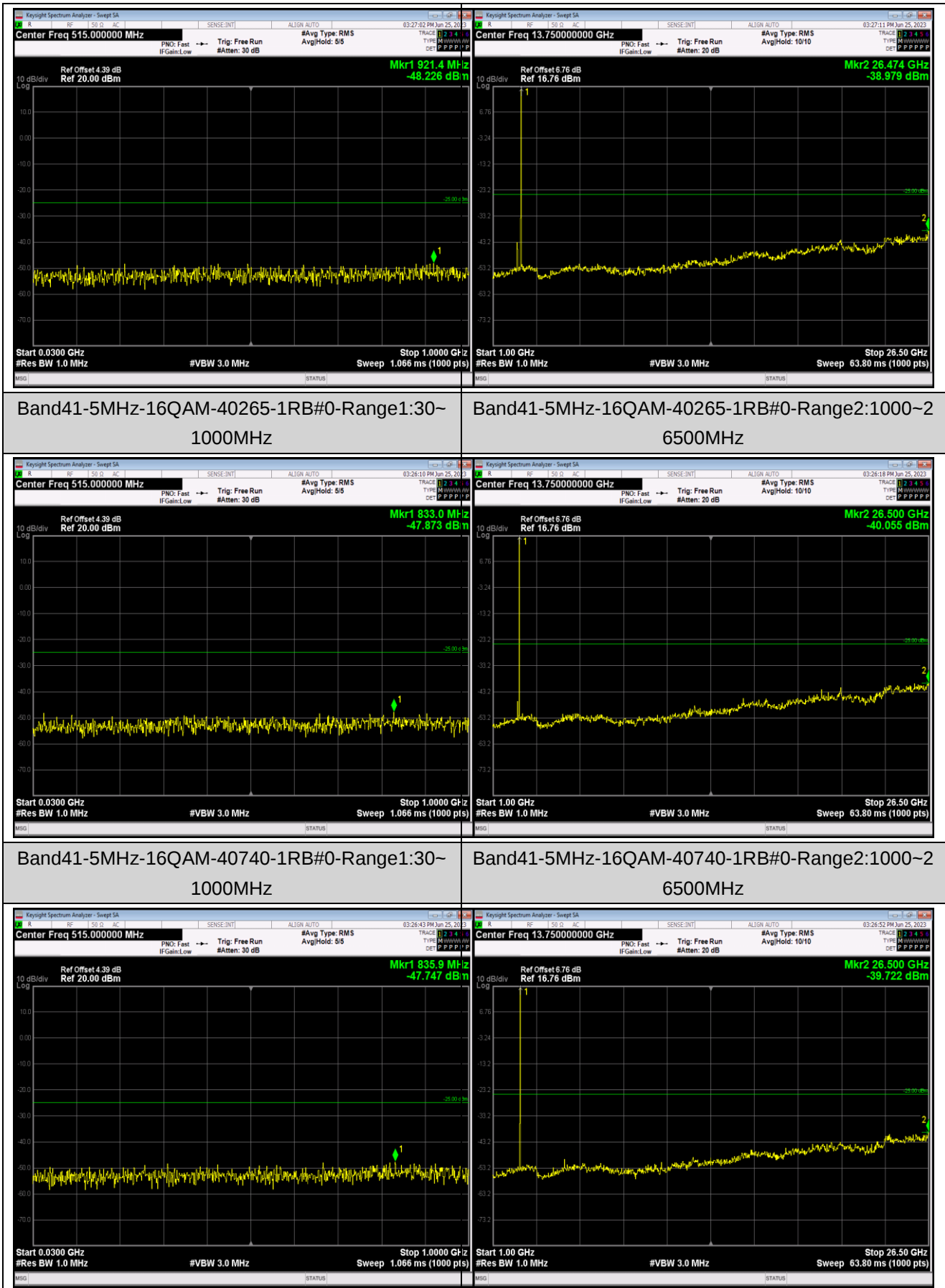
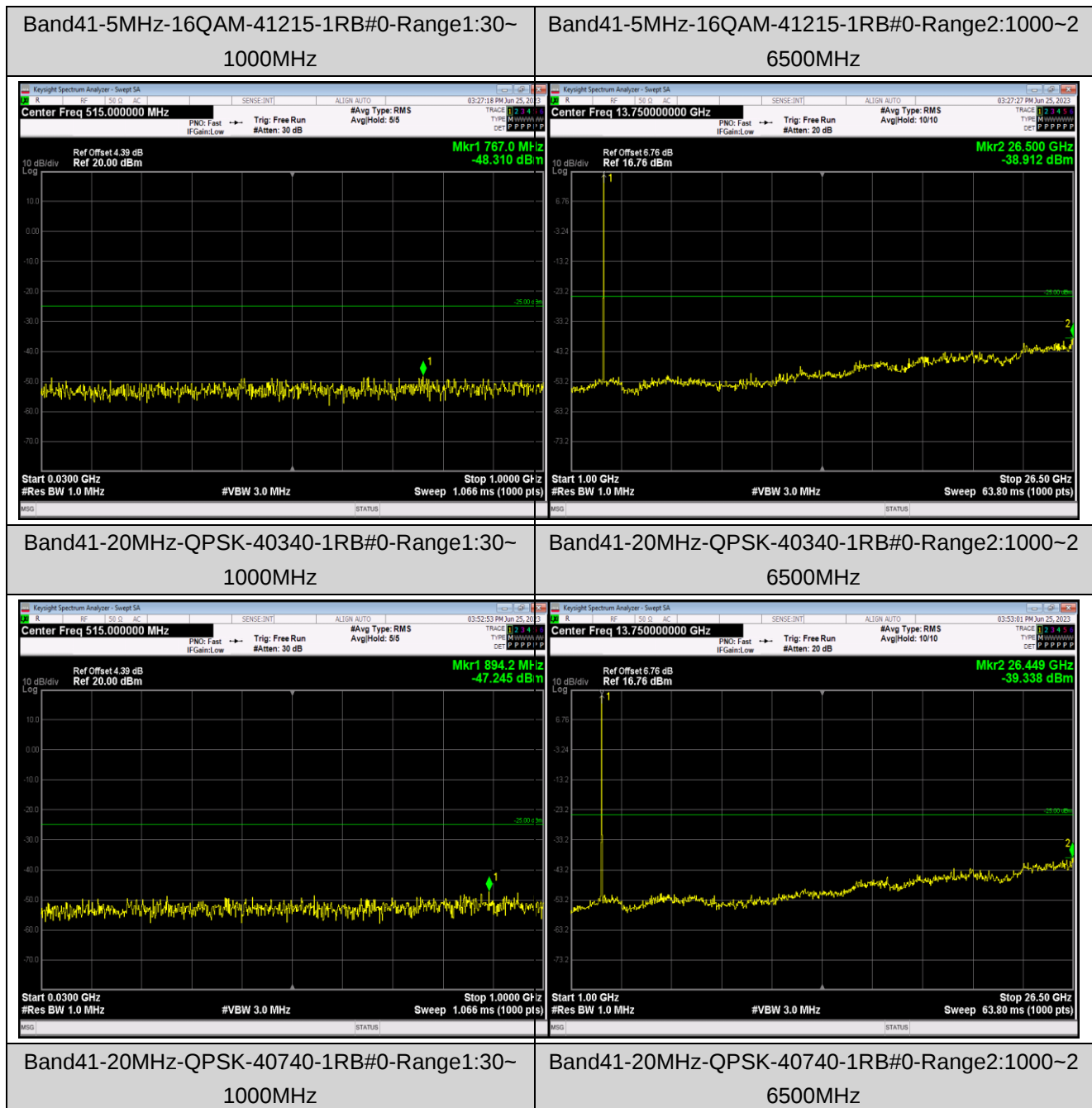
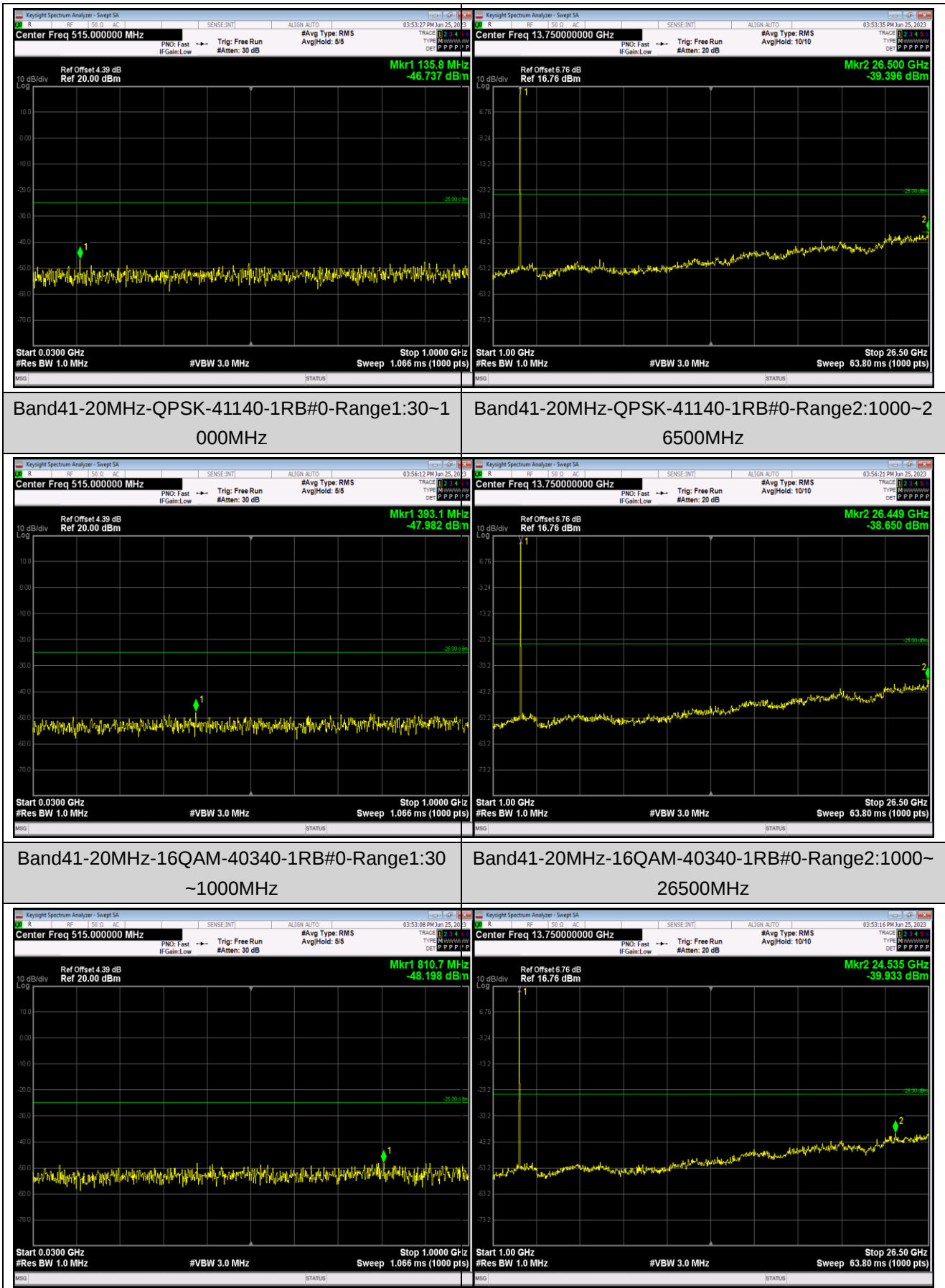
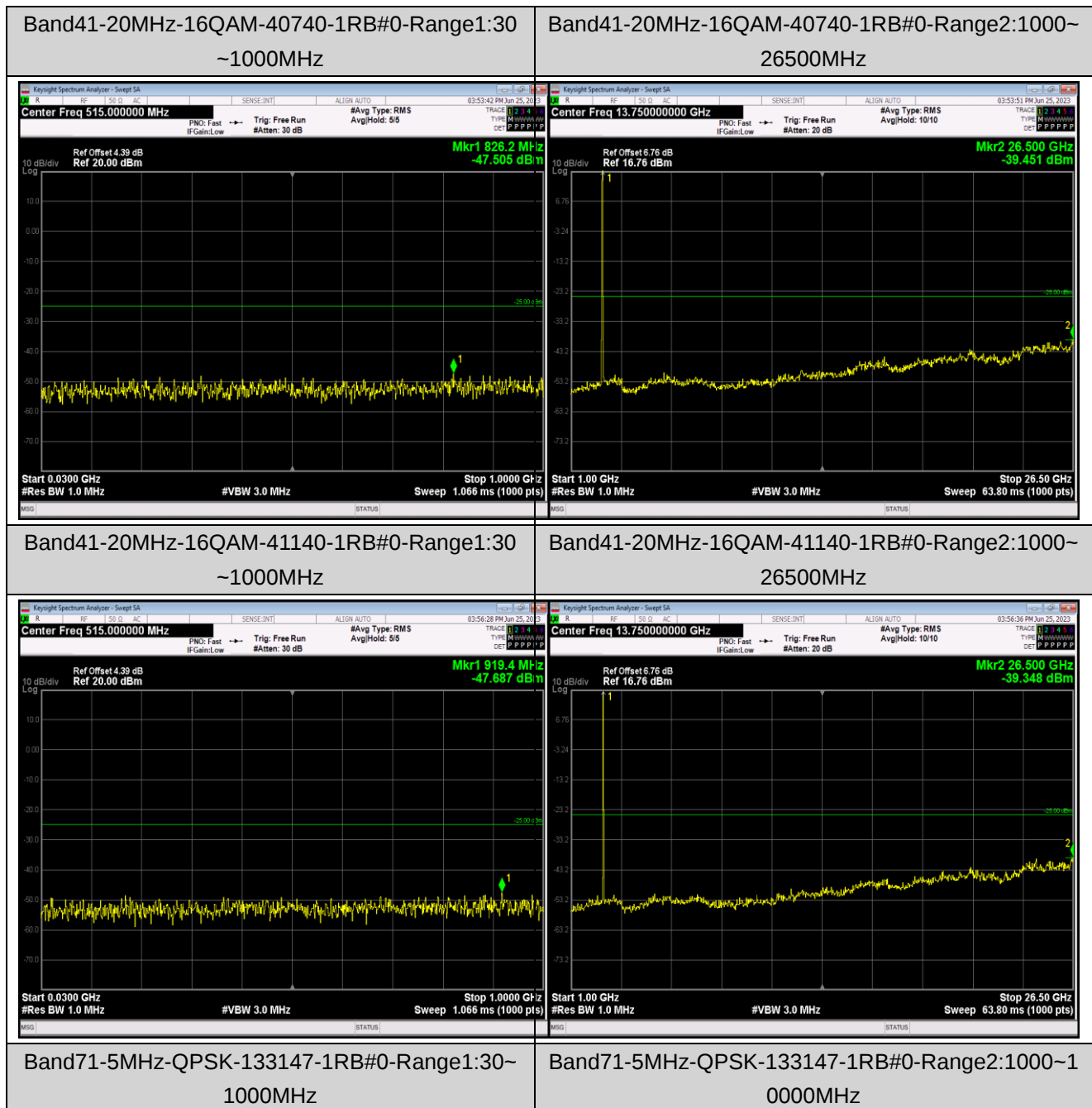
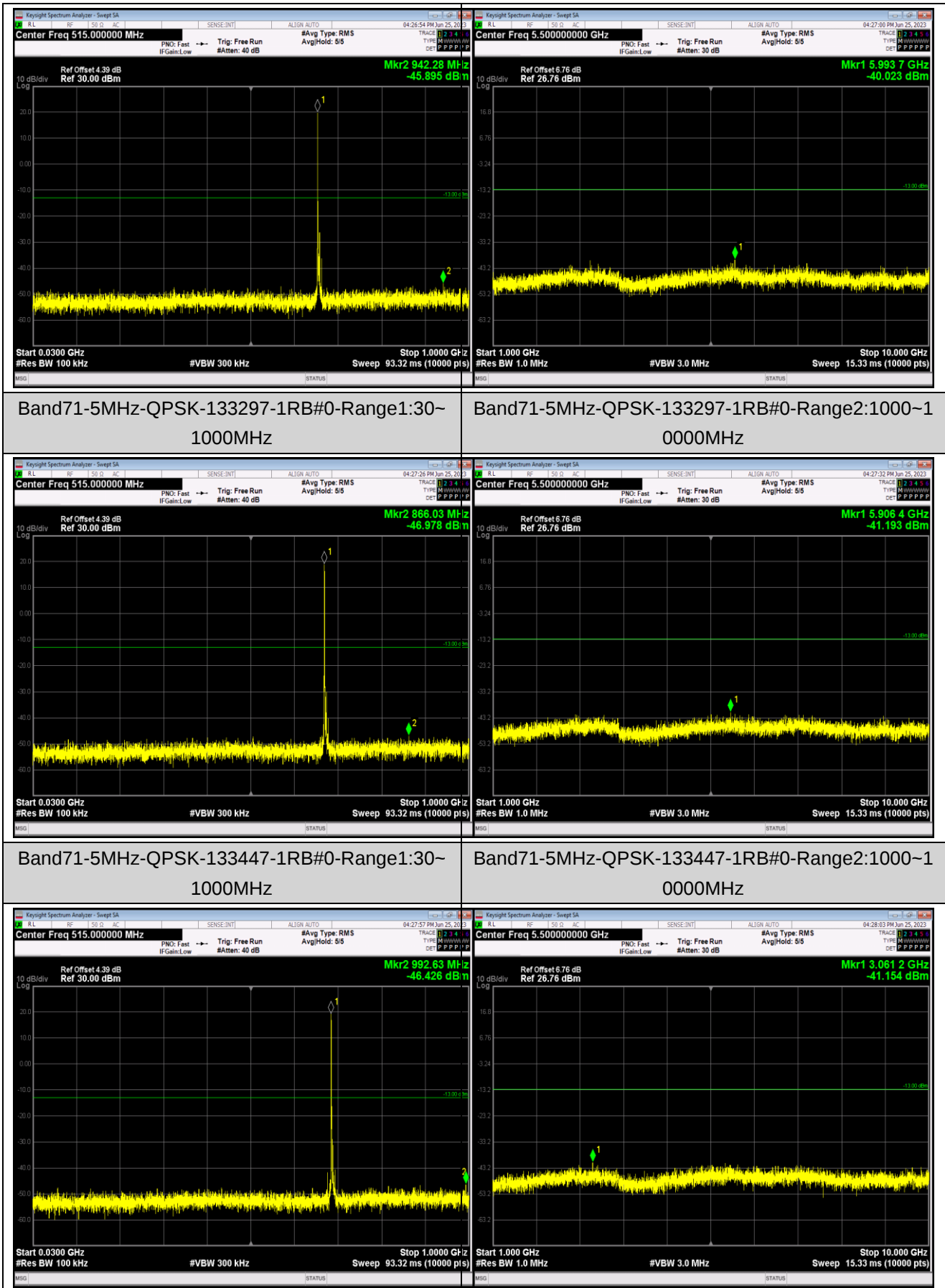


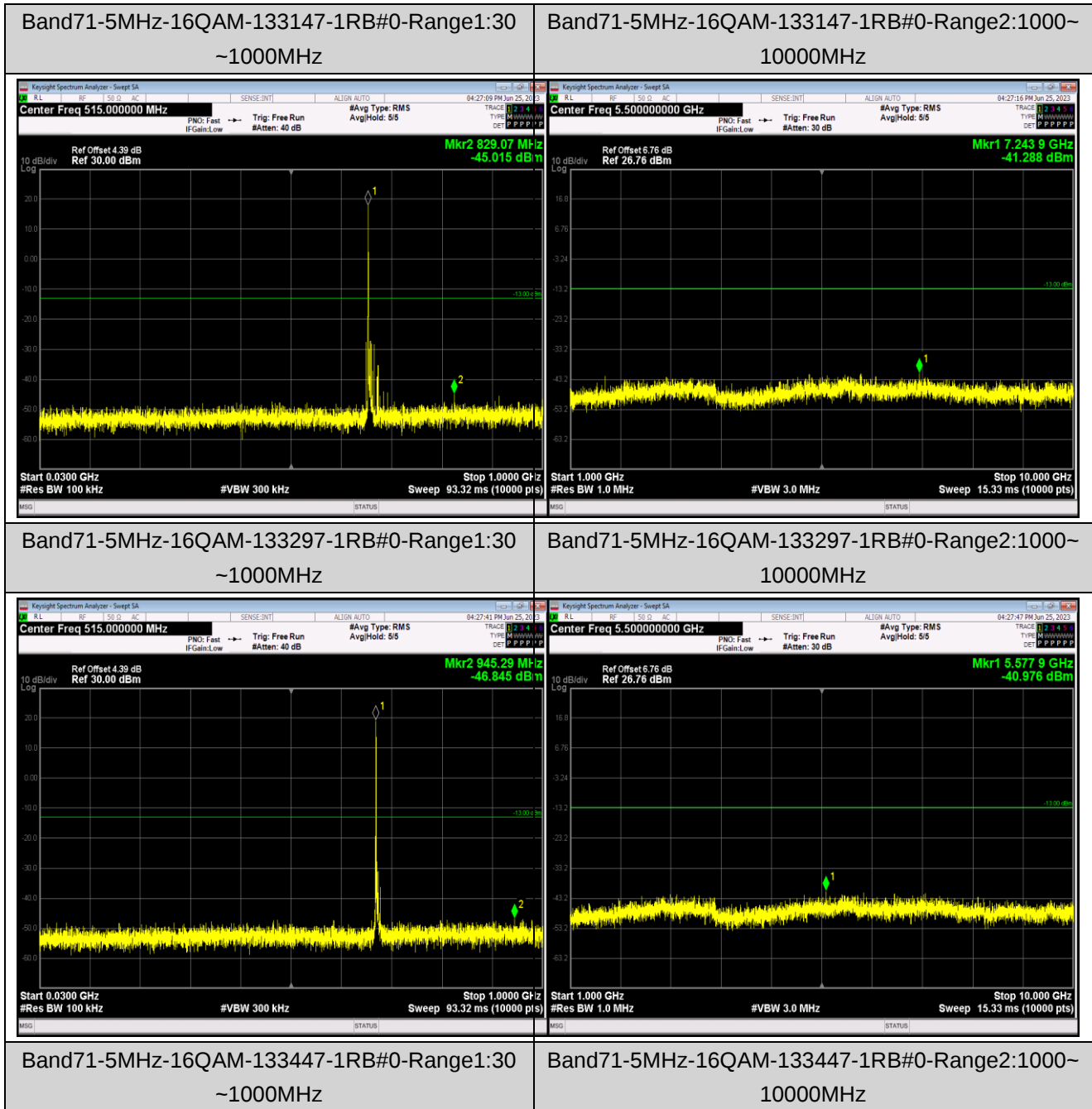


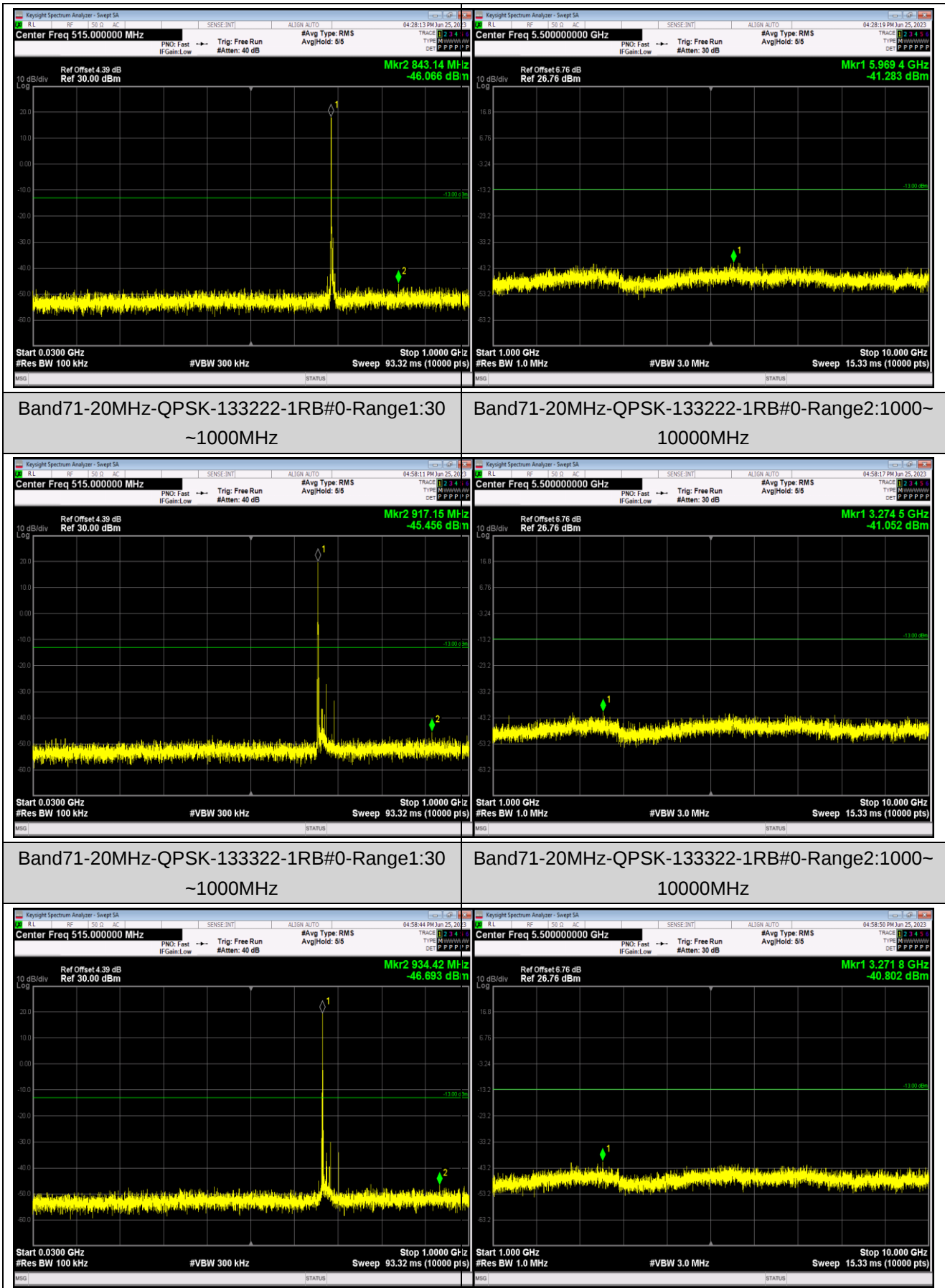


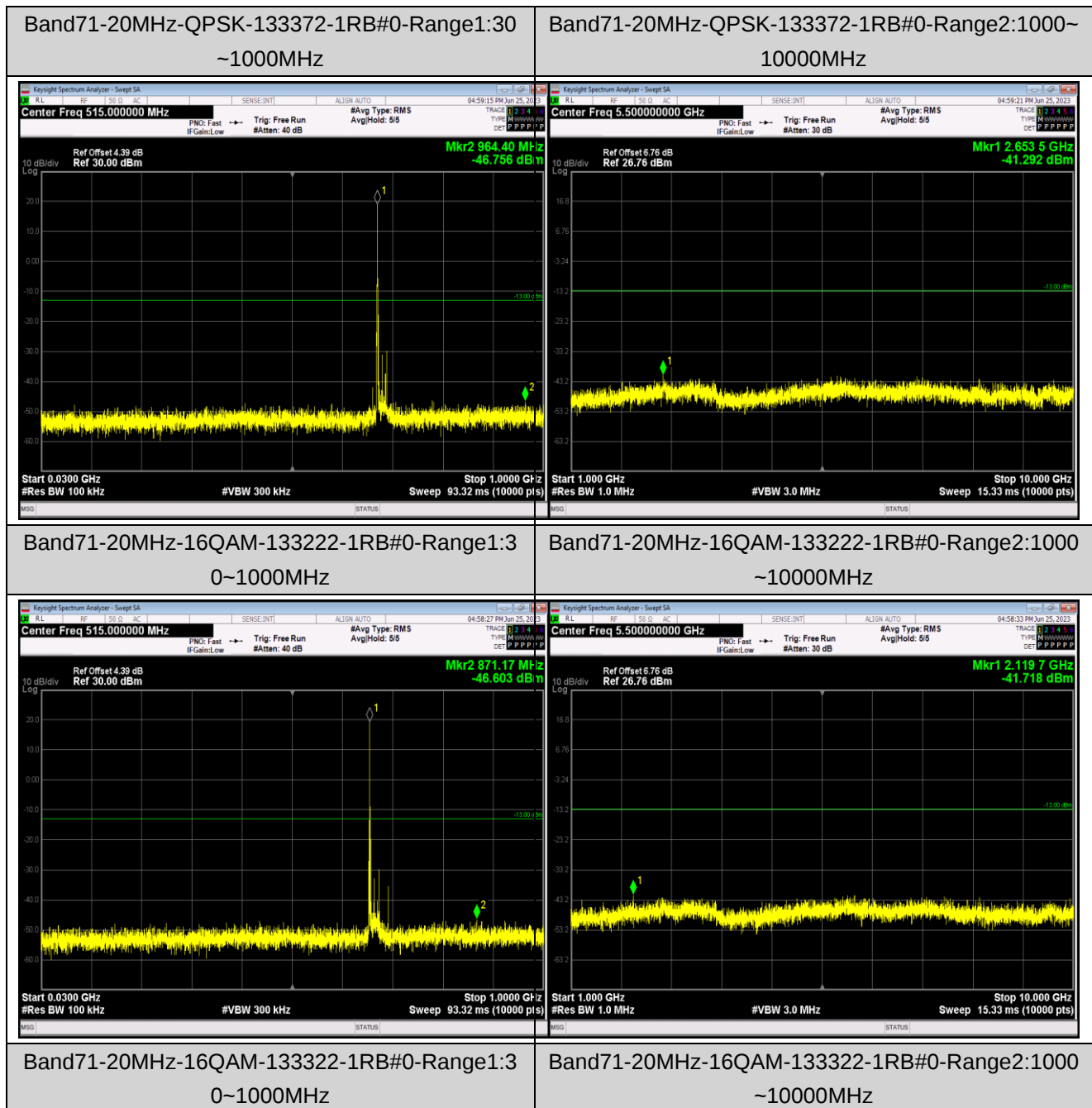


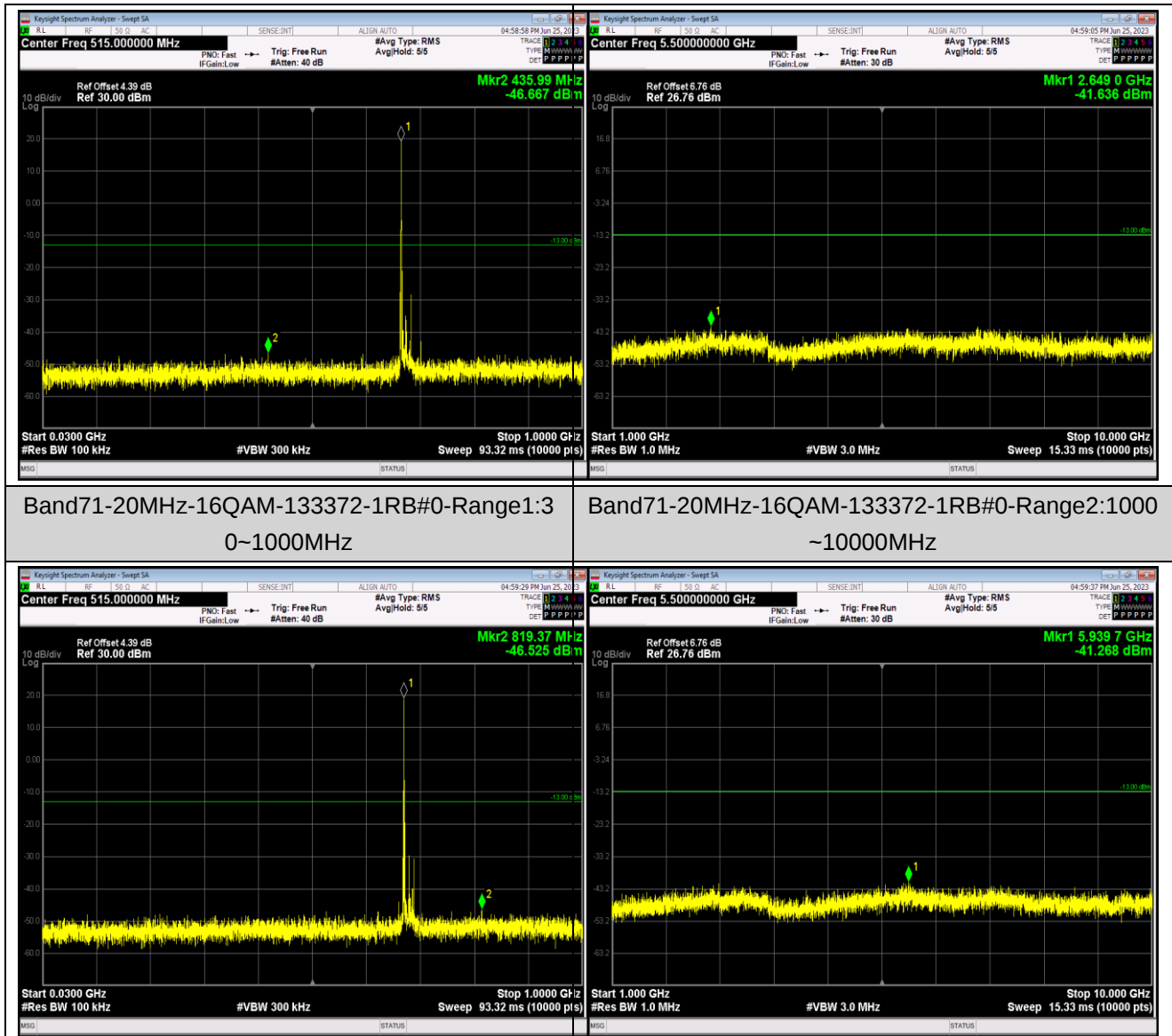












Appendix F: Frequency Stability

Test Result

LTE Band 41 part:

Reference Frequency: LTE Band 41 (10MHz) Middle channel=40640 Frequency=2595.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.8	-30	-23.73	-0.009109	Within authorized band for Band 41	Pass
	-20	-28.68	-0.011010		
	-10	26.02	0.009988		
	0	12.57	0.004825		
	10	-22.10	-0.008484		
	20	21.24	0.008154		
	30	11.70	0.004491		
	40	14.66	0.005628		
	50	-18.70	-0.007179		
16QAM					
3.8	-30	-25.35	-0.009731	Within authorized band for Band 41	Pass
	-20	22.90	0.008791		
	-10	-29.33	-0.011259		
	0	-24.48	-0.009397		
	10	-18.54	-0.007117		
	20	-5.52	-0.002119		
	30	19.60	0.007524		
	40	-19.48	-0.007478		
	50	21.07	0.008088		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.50	-15.25	-0.005854	Within authorized band for Band 41	Pass
	3.85	-29.78	-0.011432		
	4.33	-19.04	-0.007309		
16QAM					
25	3.50	-19.08	-0.007324	Within authorized band for Band41	Pass
	3.85	-20.01	-0.007681		
	4.33	-22.80	-0.008752		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 71 part:

Reference Frequency: LTE Band 66 (10MHz) Middle channel=132322 Frequency=1745.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.8	-30	-7.38	-0.011048	Within authorized band for Band 71	Pass
	-20	-10.34	-0.015479		
	-10	-11.83	-0.017710		
	0	-13.78	-0.020629		
	10	-4.38	-0.006557		
	20	-16.87	-0.025254		
	30	-13.90	-0.020808		
	40	-10.11	-0.015135		
	50	-4.23	-0.006332		
16QAM					
3.8	-30	-14.25	-0.021332	Within authorized band for Band 71	Pass
	-20	-11.94	-0.017874		
	-10	-11.23	-0.016811		
	0	-12.46	-0.018653		
	10	-4.12	-0.006168		
	20	-7.84	-0.011737		
	30	-8.71	-0.013039		
	40	5.95	0.008907		
	50	-8.94	-0.013383		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.50	-7.50	-0.011228	Within authorized band for Band 71	Pass
	3.85	-7.42	-0.011108		
	4.33	-9.74	-0.014581		
16QAM					
25	3.50	-2.17	-0.003249	Within authorized band for Band 71	Pass
	3.85	-11.44	-0.017126		
	4.33	-14.83	-0.022201		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band41	20MHz	QPSK	40740	100RB#0	PASS	PASS
Band41	20MHz	16QAM	40740	100RB#0	PASS	PASS
Band71	20MHz	QPSK	133322	100RB#0	PASS	PASS
Band71	20MHz	16QAM	133322	100RB#0	PASS	PASS

Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

Test Graphs

