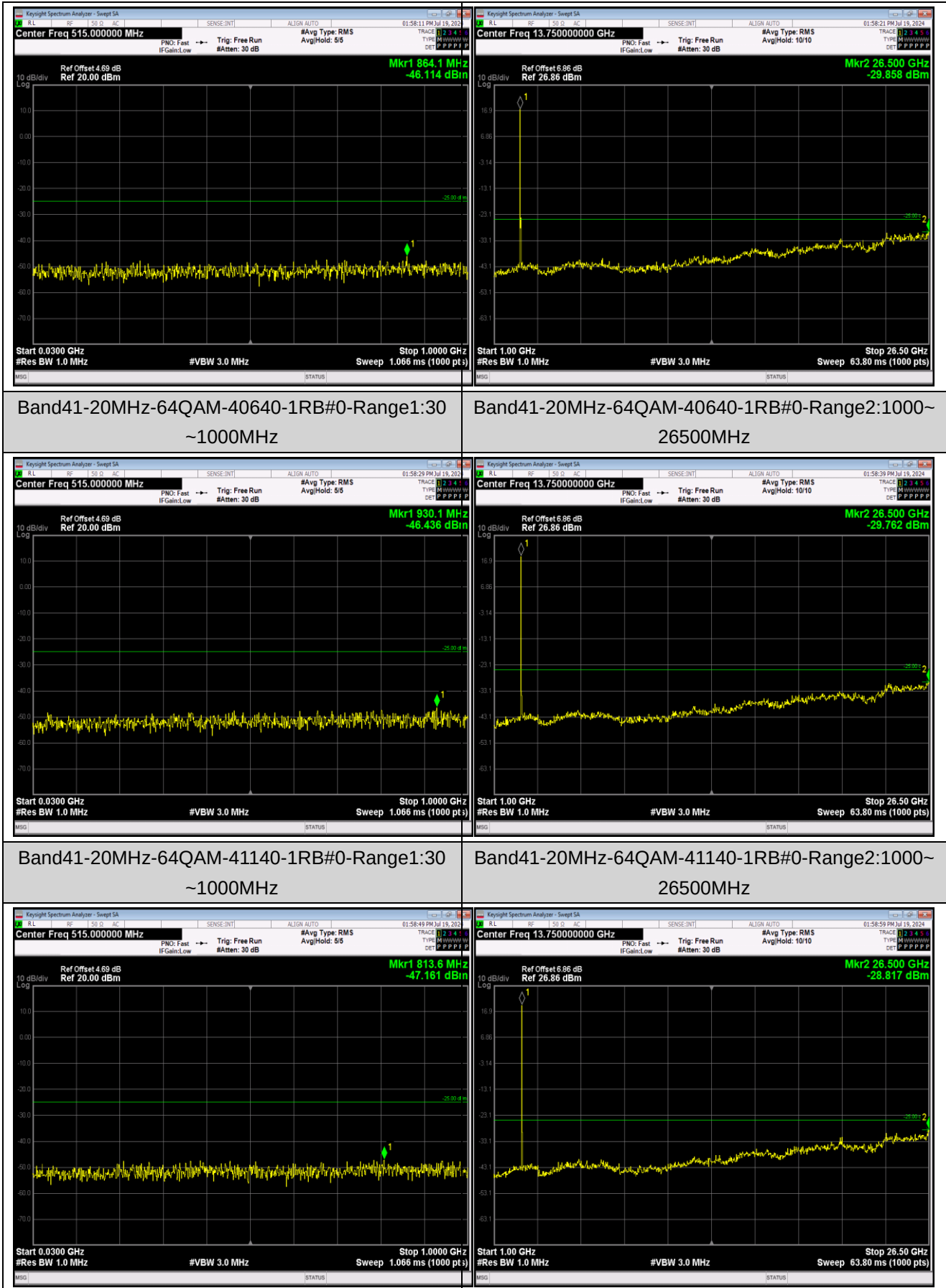
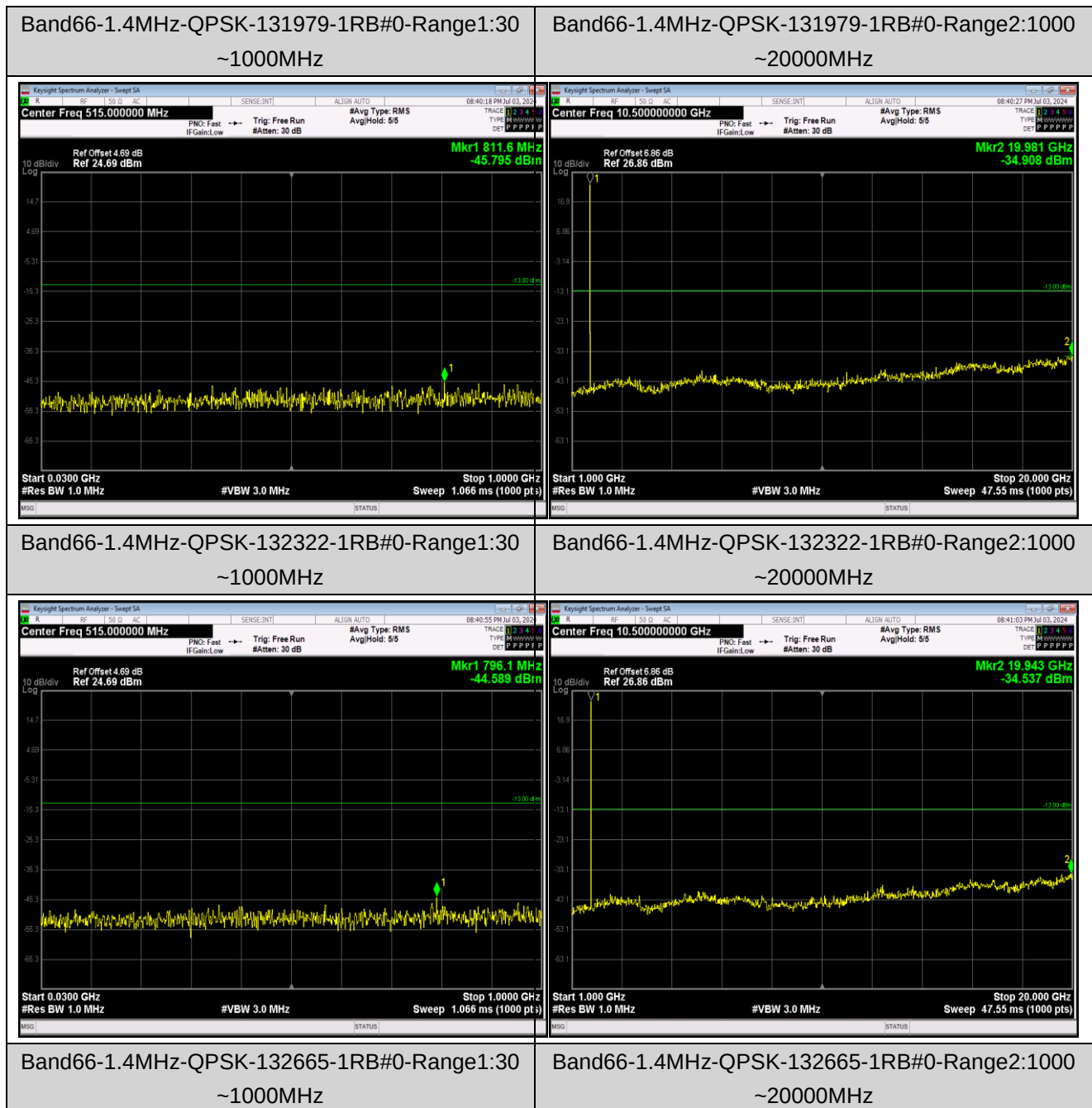
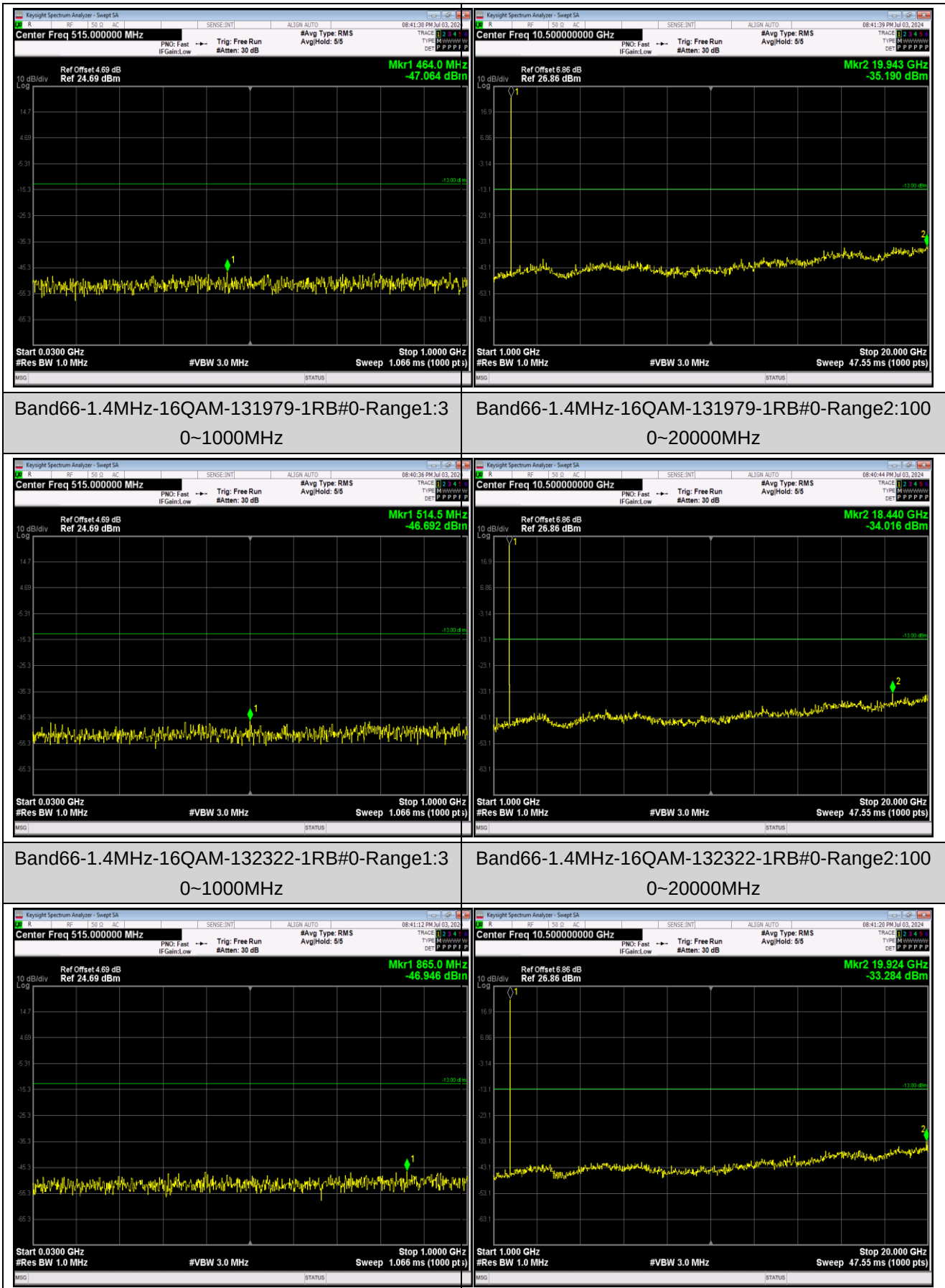
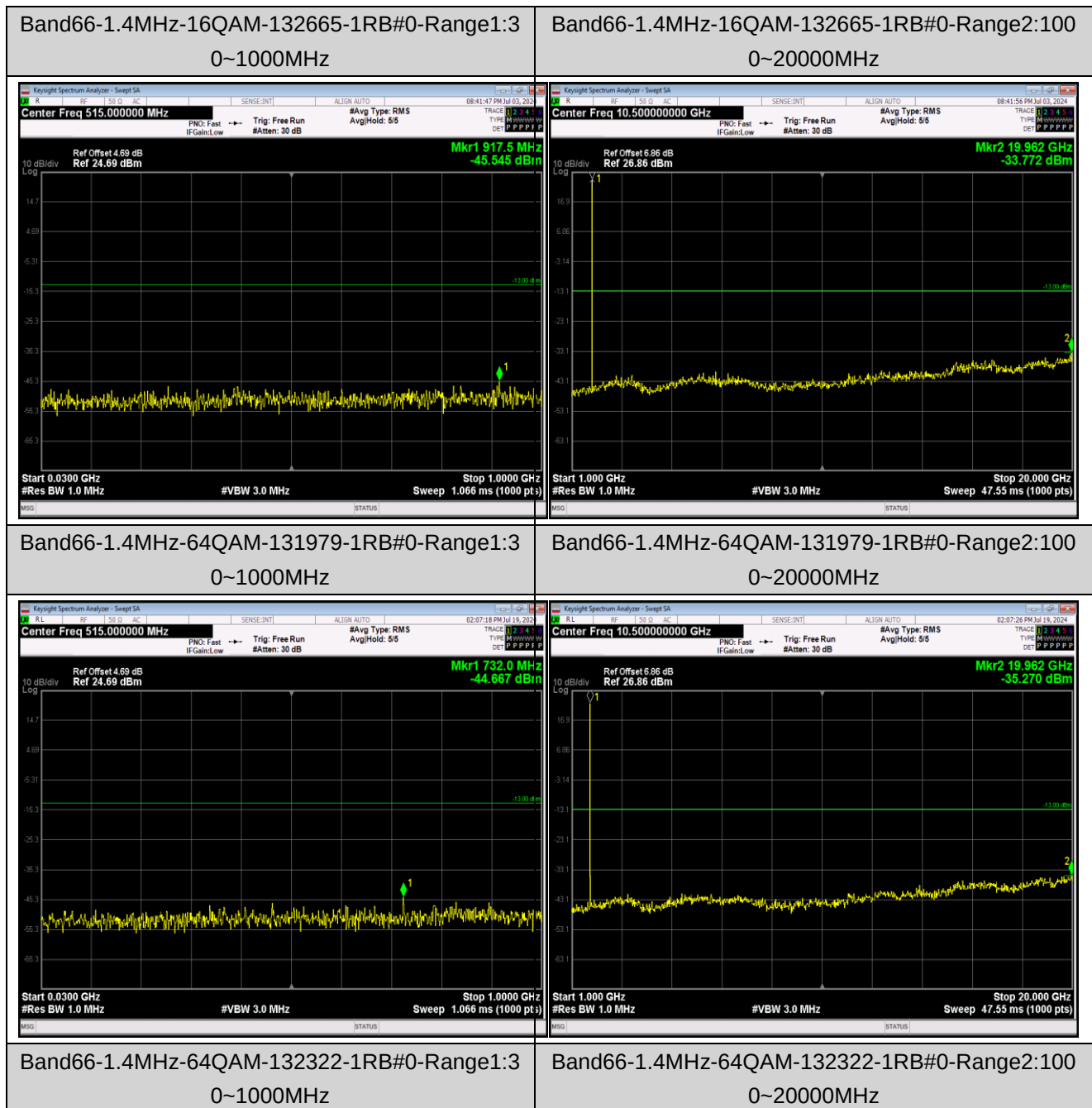
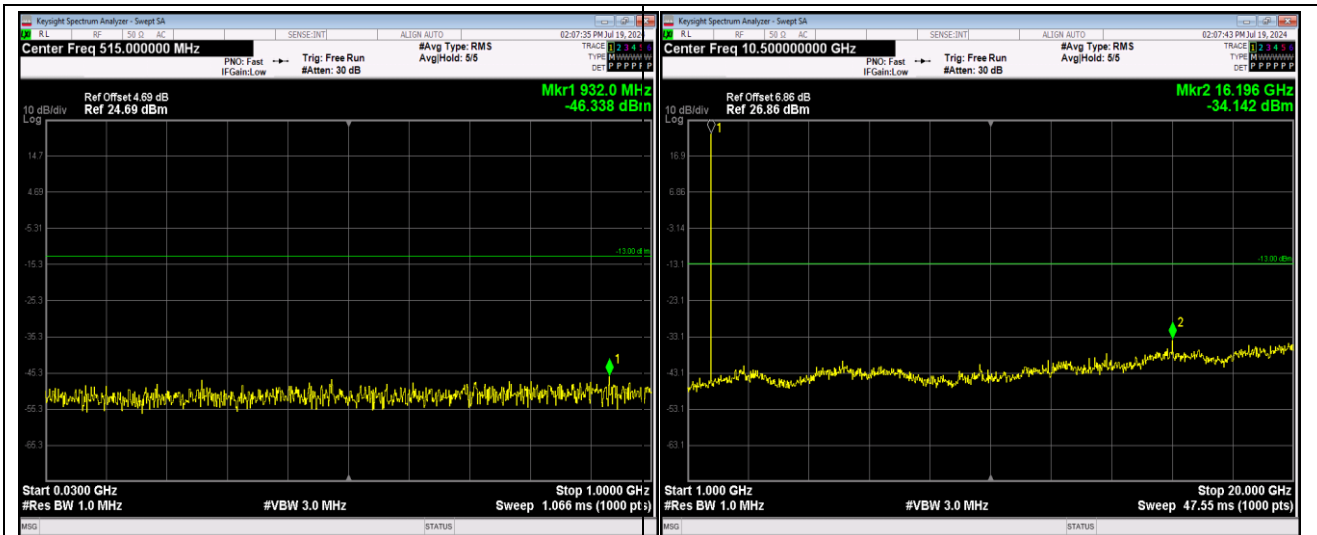












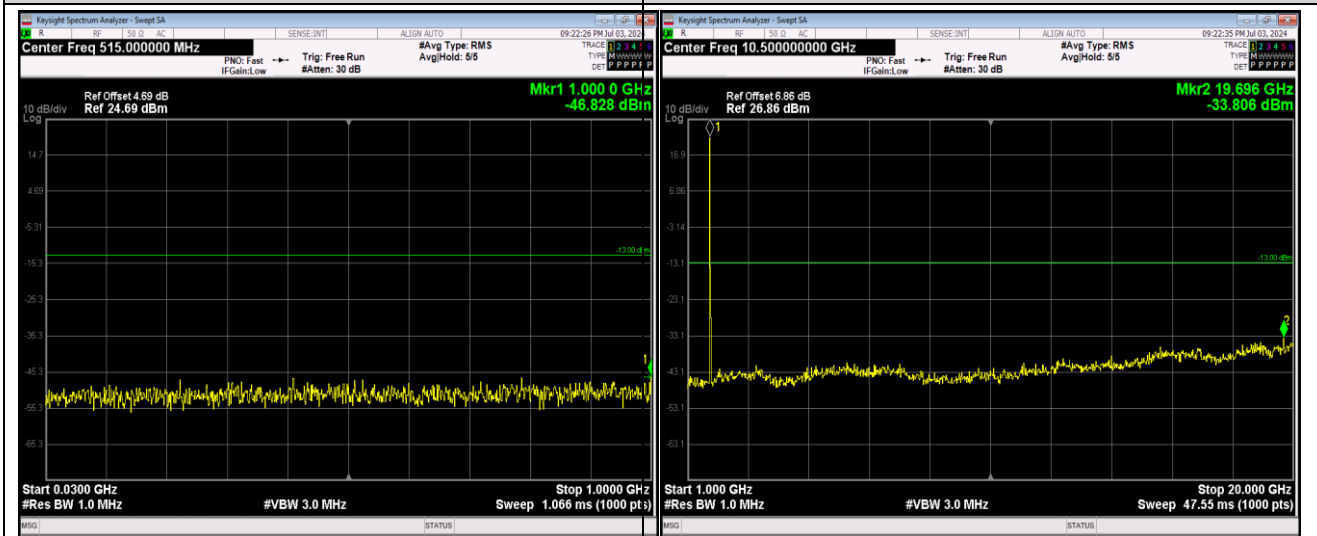
Band66-1.4MHz-64QAM-132665-1RB#0-Range1:3
0~1000MHz

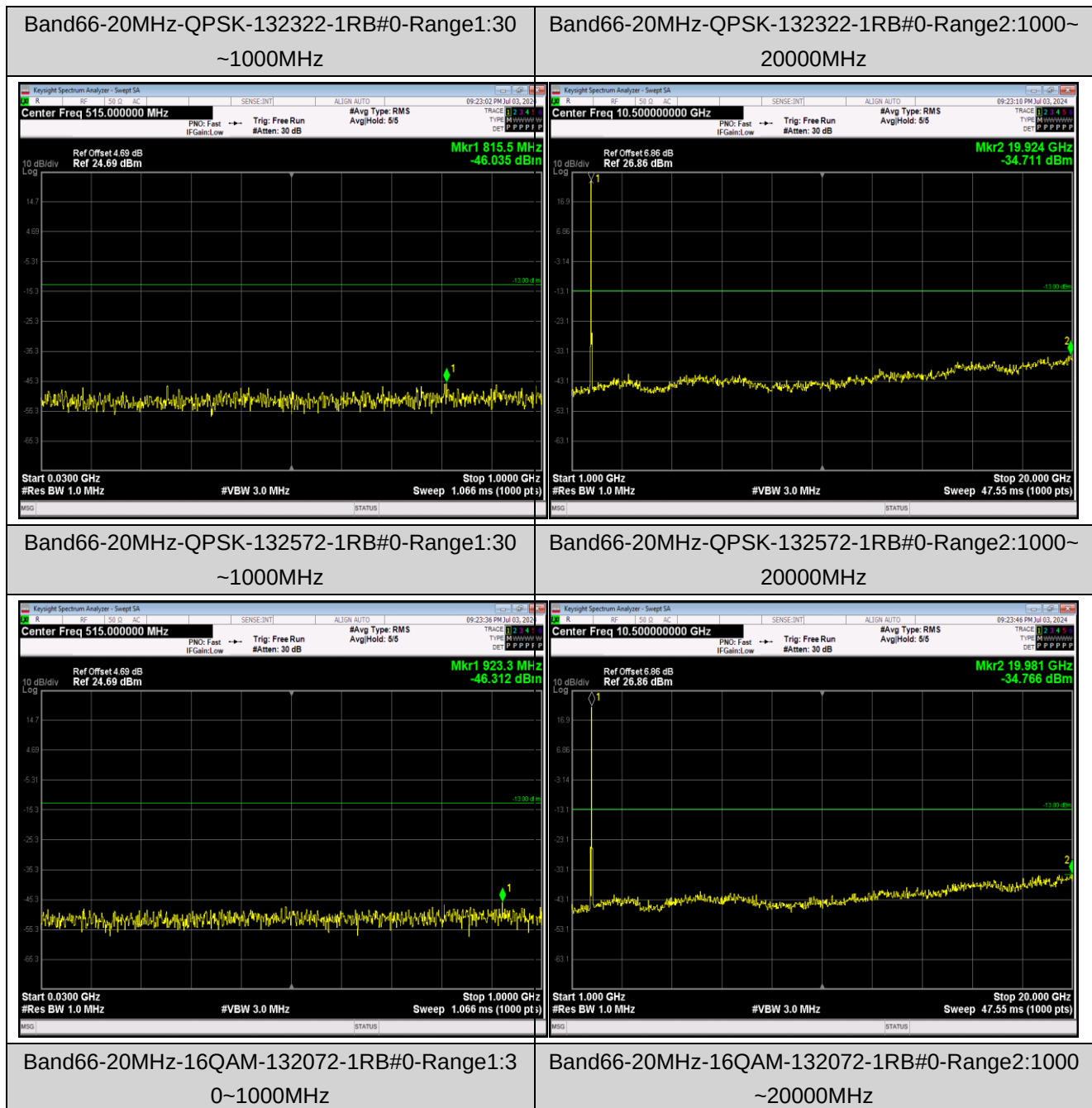
Band66-1.4MHz-64QAM-132665-1RB#0-Range2:100
0~20000MHz

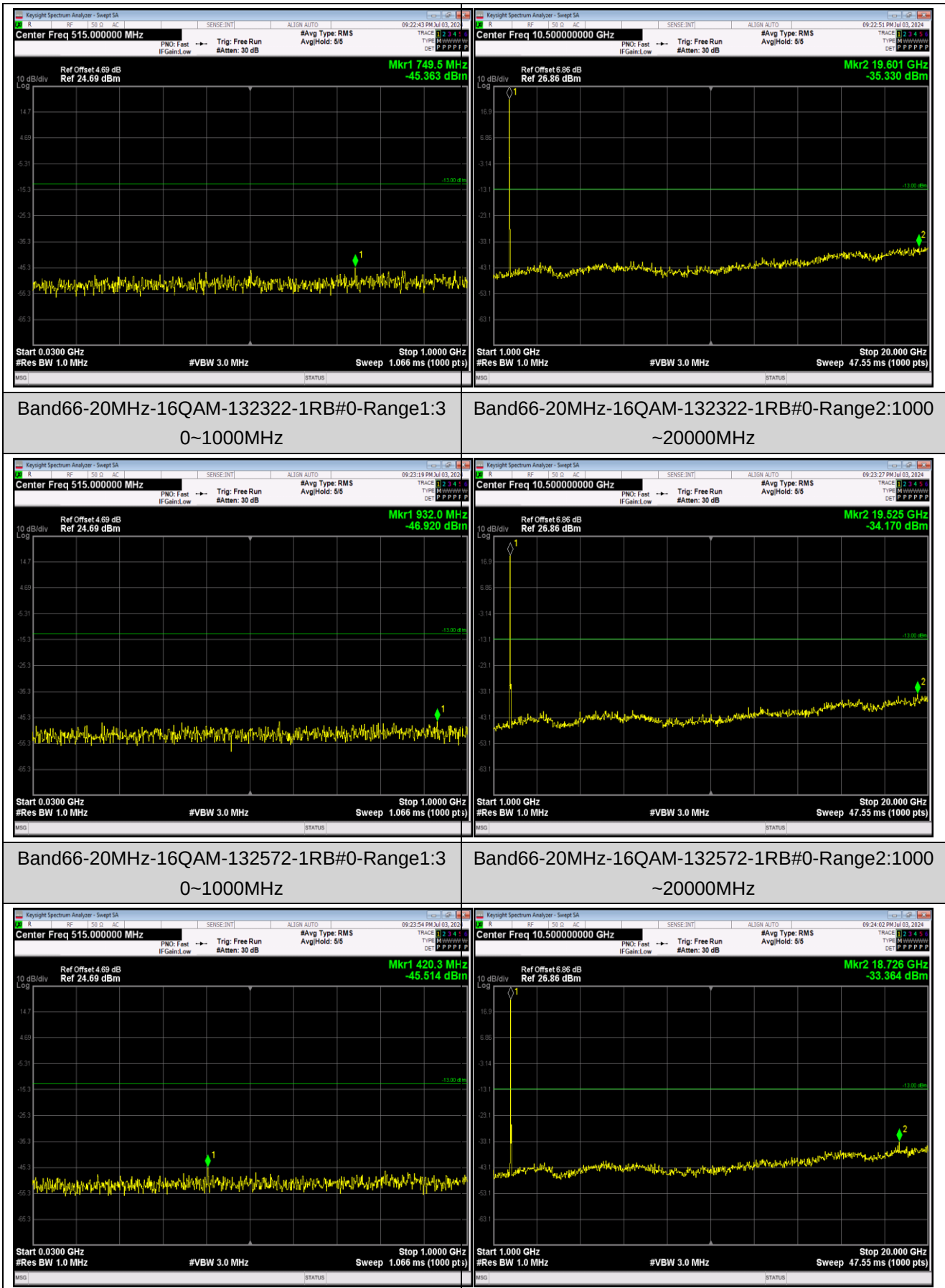


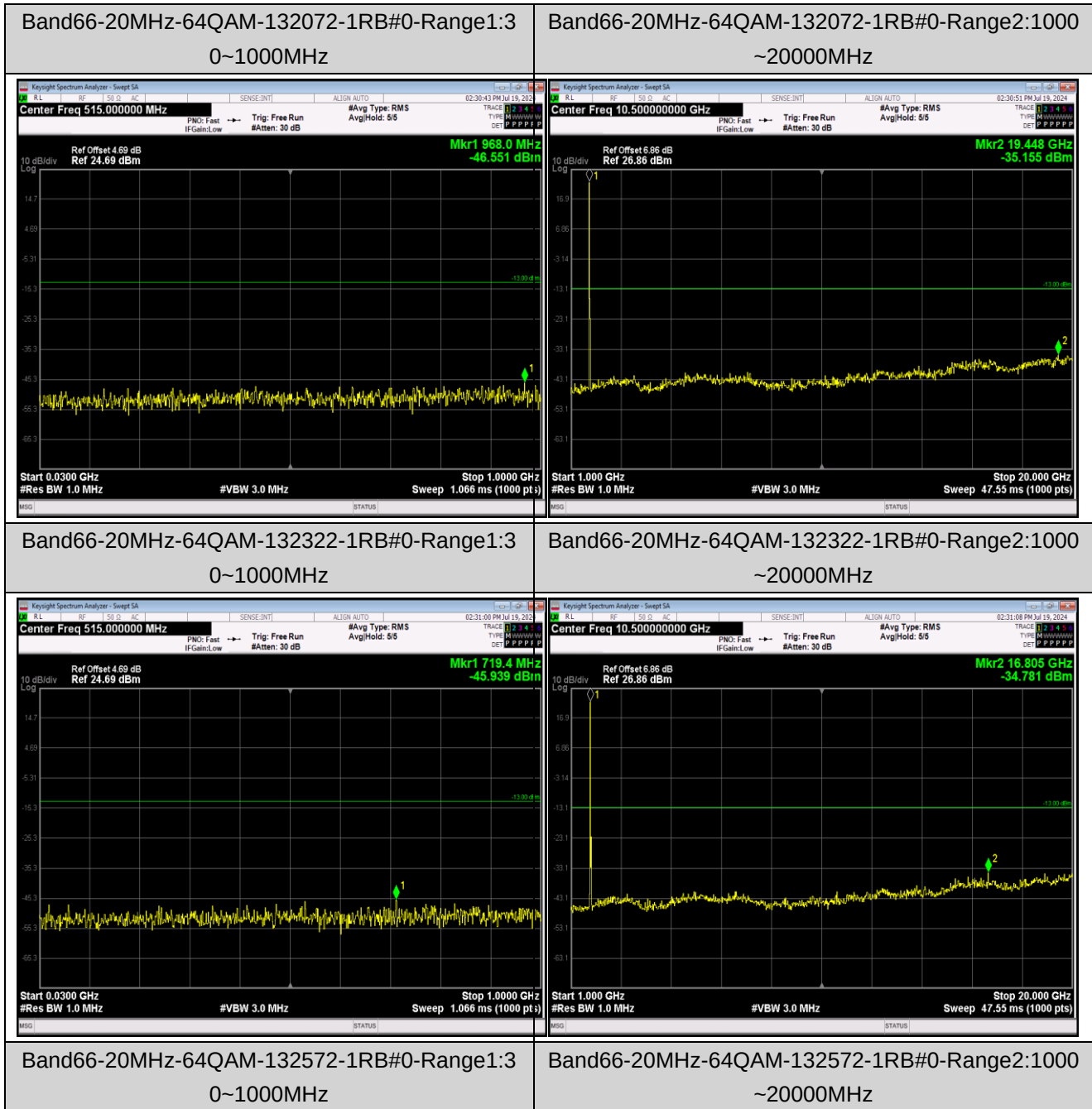
Band66-20MHz-QPSK-132072-1RB#0-Range1:30
~1000MHz

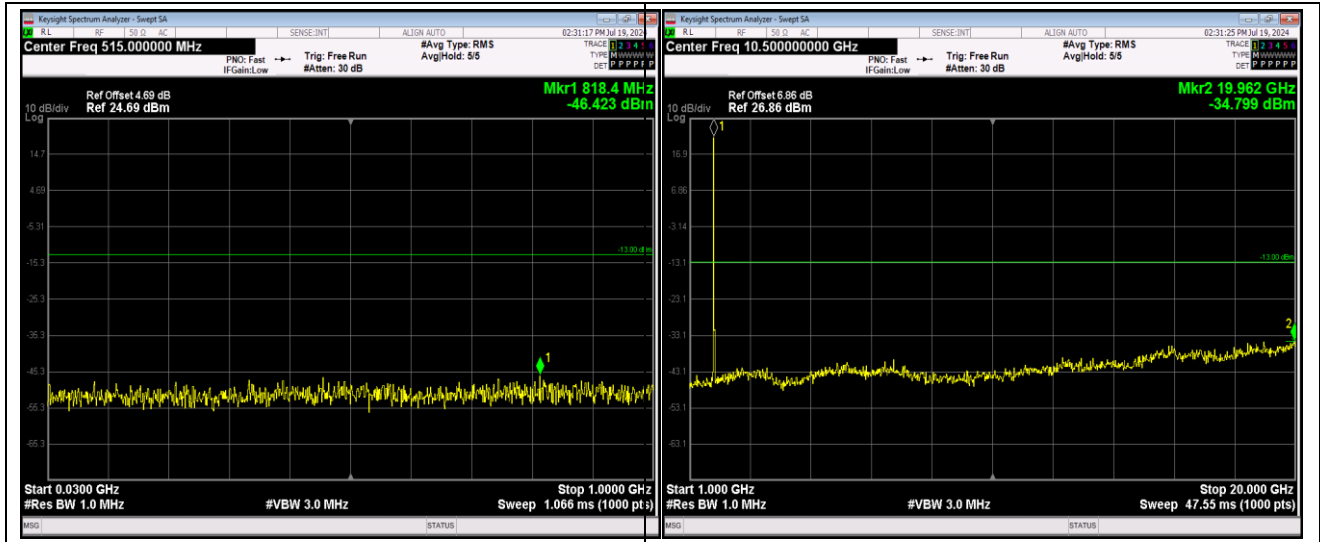
Band66-20MHz-QPSK-132072-1RB#0-Range2:1000~
20000MHz











Appendix F: Frequency Stability

Test Result

LTE Band 2 part:

Reference Frequency: LTE Band 2 (10MHz) Middle channel=18900 Frequency=1880.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.87	-30	-14.10	-0.007500	Within authorized band for Band 2	Pass
	-20	-26.69	-0.014197		
	-10	-19.63	-0.010441		
	0	-17.41	-0.009261		
	10	-17.44	-0.009277		
	20	-11.29	-0.006005		
	30	-15.18	-0.008074		
	40	-17.15	-0.009122		
	50	-14.03	-0.007463		
16QAM					
3.87	-30	-11.54	-0.006138	Within authorized band for Band 2	Pass
	-20	-18.10	-0.009628		
	-10	-25.58	-0.013606		
	0	-10.93	-0.005814		
	10	-25.32	-0.013468		
	20	-14.53	-0.007729		
	30	-17.95	-0.009548		
	40	9.07	0.004824		
	50	-11.47	-0.006101		
64QAM					
3.87	-30	-12.42	-0.006606	Within authorized band for Band 2	Pass
	-20	3.38	0.001798		
	-10	-16.48	-0.008766		
	0	-14.35	-0.007633		
	10	-14.19	-0.007548		
	20	-11.86	-0.006309		
	30	-7.80	-0.004149		
	40	7.54	0.004011		
	50	-15.25	-0.008112		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.45	-17.37	-0.009239	Within authorized band for Band 2	Pass
	3.87	-13.65	-0.007261		
	4.45	-18.08	-0.009617		
16QAM					
25	3.45	-14.73	-0.007835	Within authorized band for Band 2	Pass
	3.87	-19.00	-0.010106		
	4.45	-17.41	-0.009261		
64QAM					
25	3.45	-13.68	-0.007277	Within authorized band for Band 2	Pass
	3.87	14.00	0.007447		
	4.45	-13.12	-0.006979		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 5 part:

Reference Frequency: LTE Band 5(10MHz) Middle channel=20525 Frequency=836.5MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.87	-30	-10.53	-0.012588	±2.5	Pass
	-20	-9.33	-0.011154		
	-10	-10.87	-0.012995		
	0	-3.93	-0.004698		
	10	-9.31	-0.011130		
	20	-4.25	-0.005081		
	30	-11.29	-0.013497		
	40	-8.10	-0.009683		
	50	-10.43	-0.012469		
16QAM					
3.87	-30	-10.64	-0.012720	±2.5	Pass
	-20	-11.82	-0.014130		
	-10	-7.58	-0.009062		
	0	-11.74	-0.014035		
	10	-9.64	-0.011524		
	20	-11.90	-0.014226		
	30	-6.51	-0.007782		
	40	-10.49	-0.012540		
	50	-3.45	-0.004124		
64QAM					
3.87	-30	-7.34	-0.008775	±2.5	Pass
	-20	-8.80	-0.010520		
	-10	-6.54	-0.007818		
	0	-1.99	-0.002379		
	10	-7.74	-0.009253		
	20	-4.41	-0.005272		
	30	-7.21	-0.008619		
	40	-4.99	-0.005965		
	50	-7.82	-0.009348		