

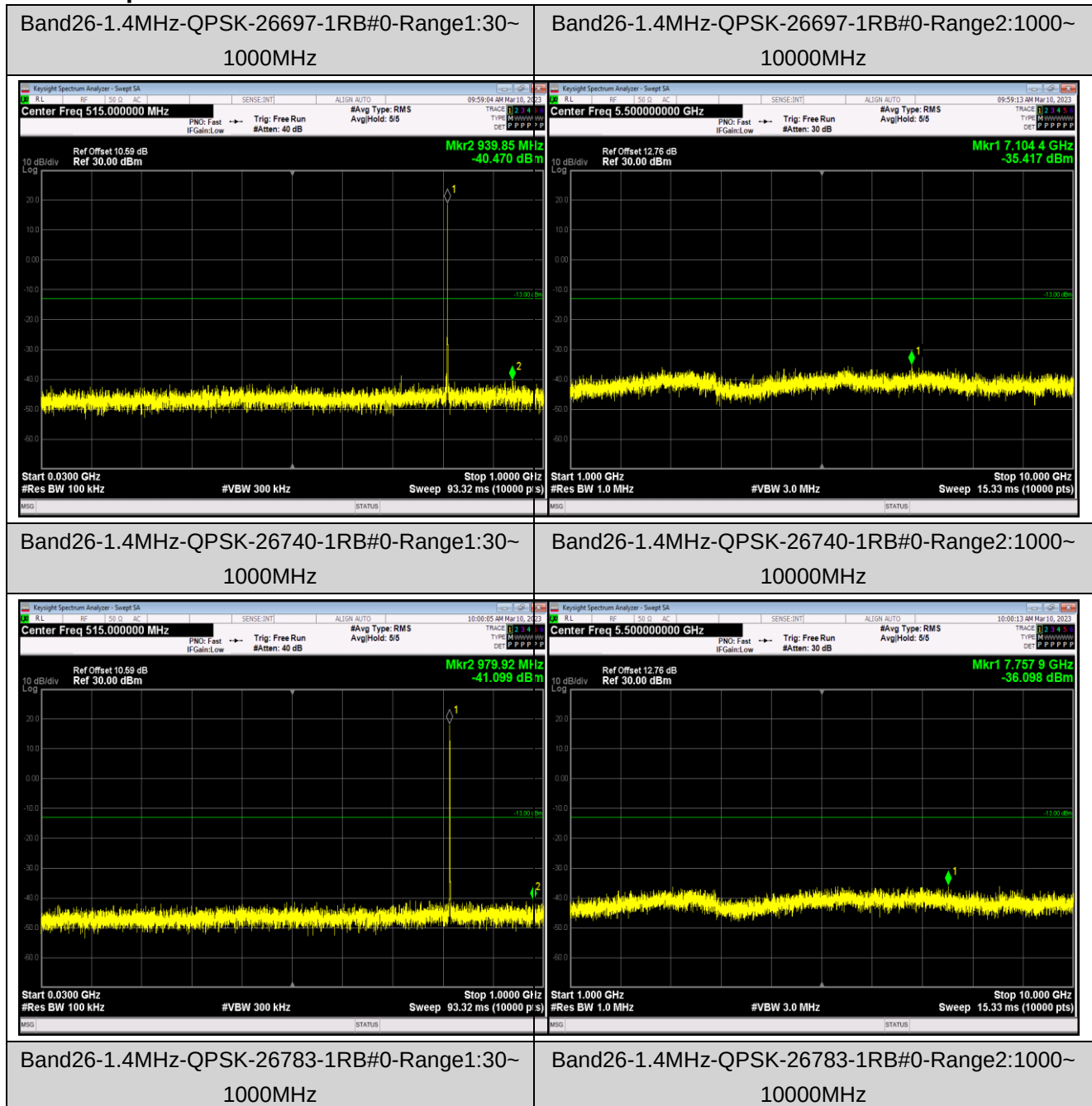
Appendix E: Conducted Spurious Emission

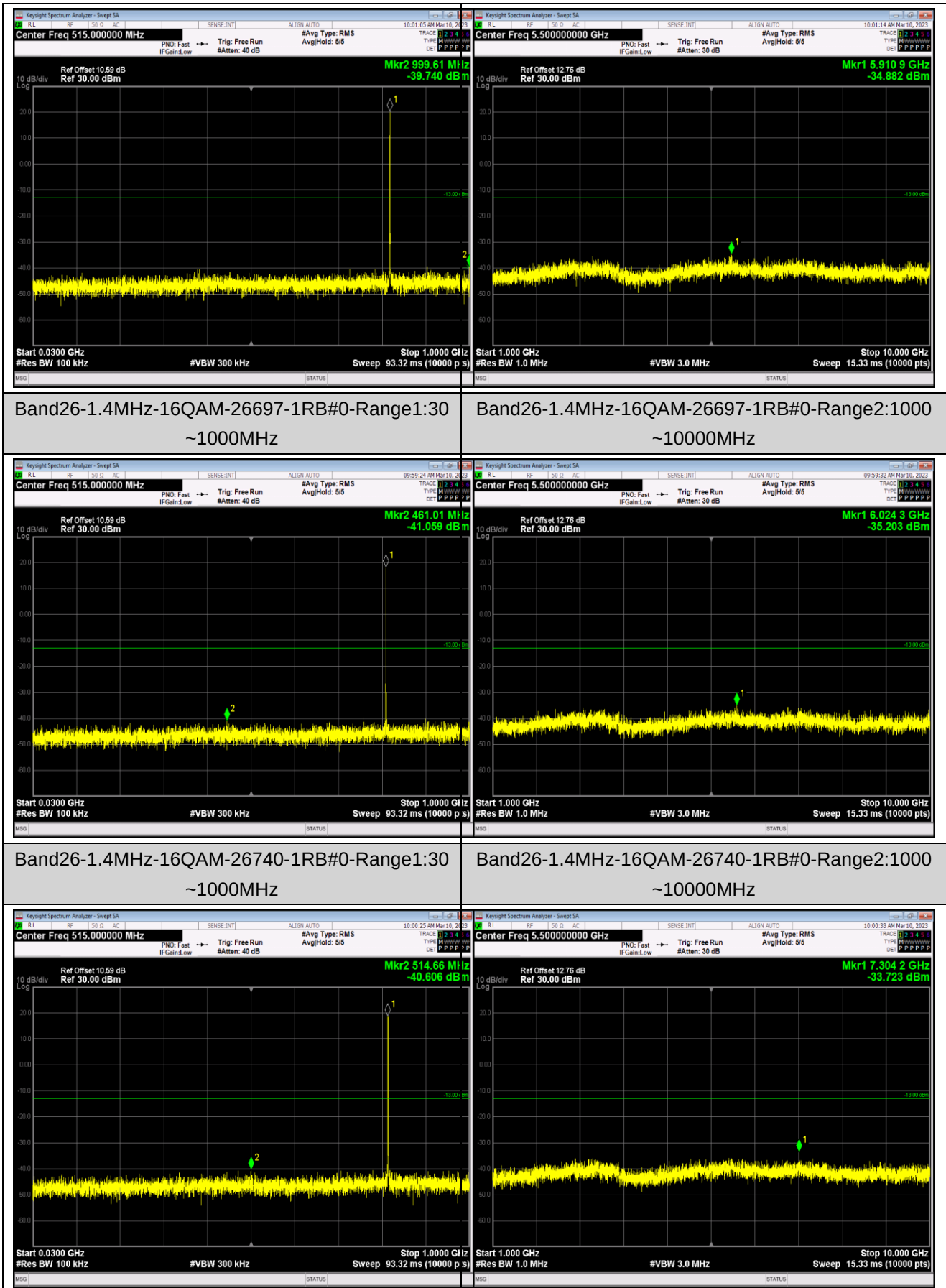
Test Result (worst case)

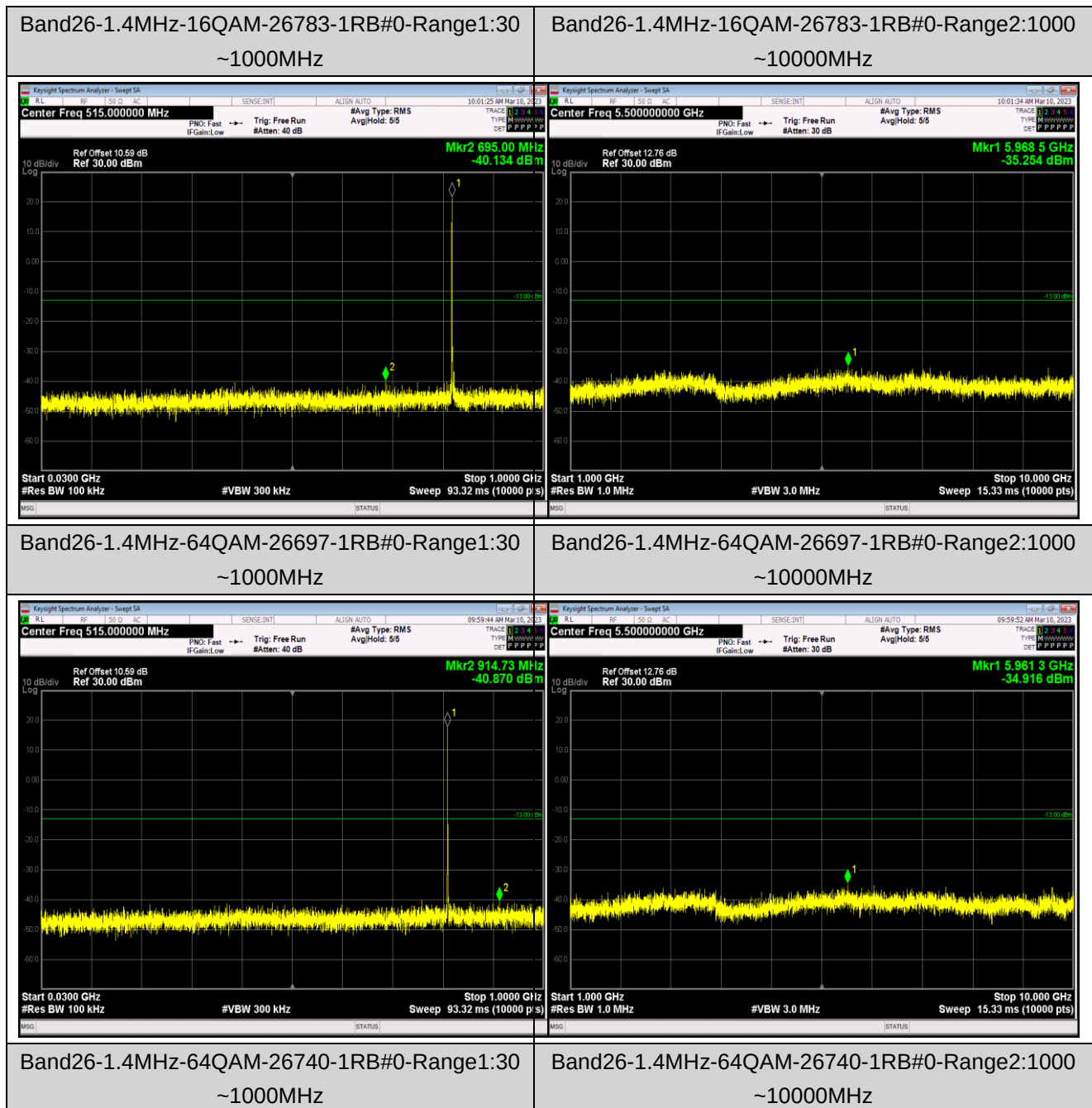
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	Range1:30~1000MHz	-40.47	PASS
Band26	1.4MHz	QPSK	26697	1RB#0	Range2:1000~10000MHz	-35.42	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	Range1:30~1000MHz	-41.1	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	Range2:1000~10000MHz	-36.1	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	Range1:30~1000MHz	-39.74	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	Range2:1000~10000MHz	-34.88	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	Range1:30~1000MHz	-41.06	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	Range2:1000~10000MHz	-35.2	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	Range1:30~1000MHz	-40.61	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	Range2:1000~10000MHz	-33.72	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	Range1:30~1000MHz	-40.13	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	Range2:1000~10000MHz	-35.25	PASS
Band26	1.4MHz	64QAM	26697	1RB#0	Range1:30~1000MHz	-40.87	PASS
Band26	1.4MHz	64QAM	26697	1RB#0	Range2:1000~10000MHz	-34.92	PASS
Band26	1.4MHz	64QAM	26740	1RB#0	Range1:30~1000MHz	-40.69	PASS
Band26	1.4MHz	64QAM	26740	1RB#0	Range2:1000~10000MHz	-34.8	PASS
Band26	1.4MHz	64QAM	26783	1RB#0	Range1:30~1000MHz	-41.36	PASS
Band26	1.4MHz	64QAM	26783	1RB#0	Range2:1000~10000MHz	-35.1	PASS
Band26	10MHz	QPSK	26740	1RB#0	Range1:30~1000MHz	-40.12	PASS
Band26	10MHz	QPSK	26740	1RB#0	Range2:1000~10000MHz	-35.07	PASS
Band26	10MHz	16QAM	26740	1RB#0	Range1:30~1000MHz	-39.48	PASS
Band26	10MHz	16QAM	26740	1RB#0	Range2:1000~10000MHz	-34.64	PASS
Band26	10MHz	64QAM	26740	1RB#0	Range1:30~1000MHz	-39.03	PASS
Band26	10MHz	64QAM	26740	1RB#0	Range2:1000~10000MHz	-32.98	PASS

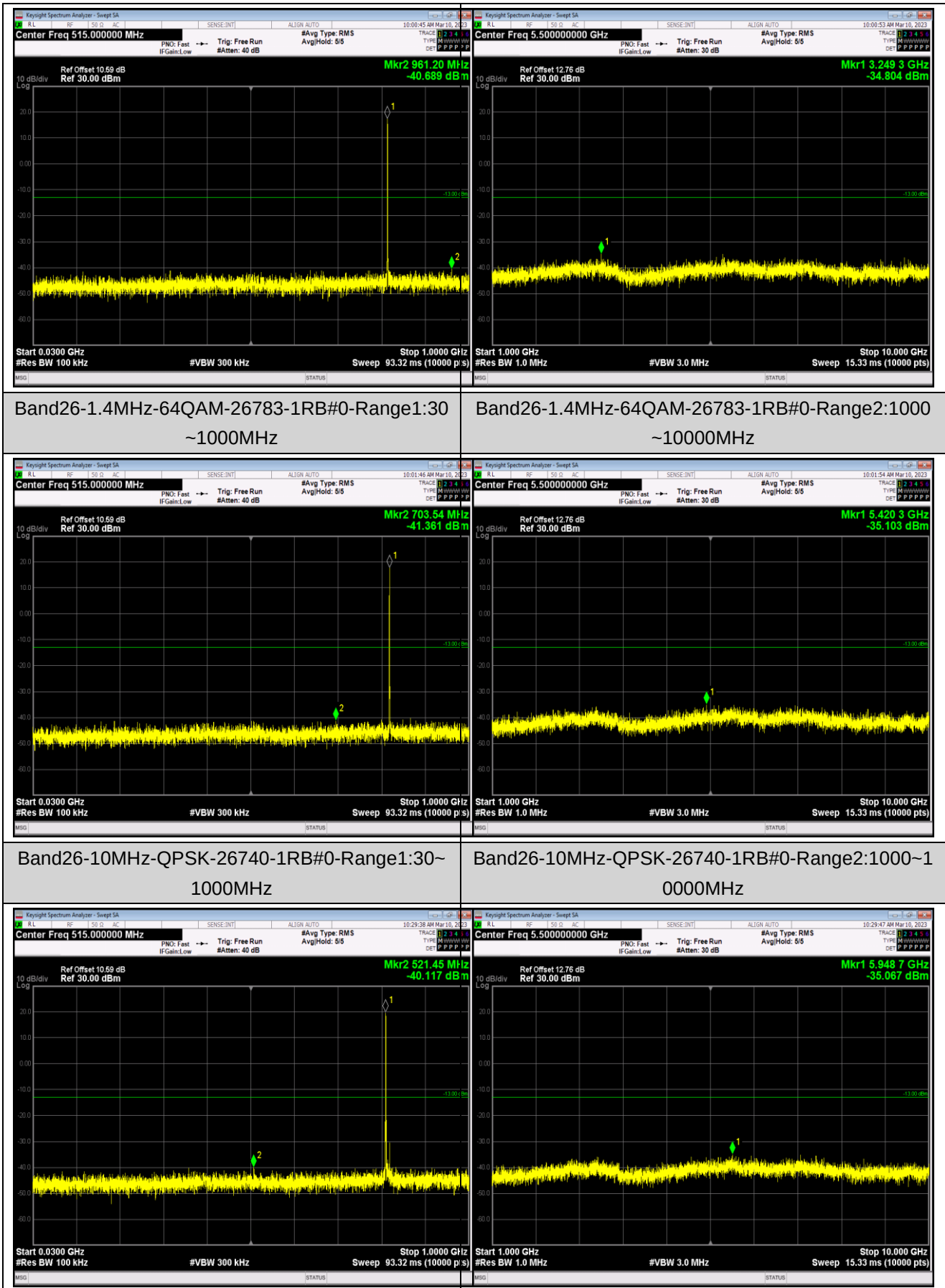
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.

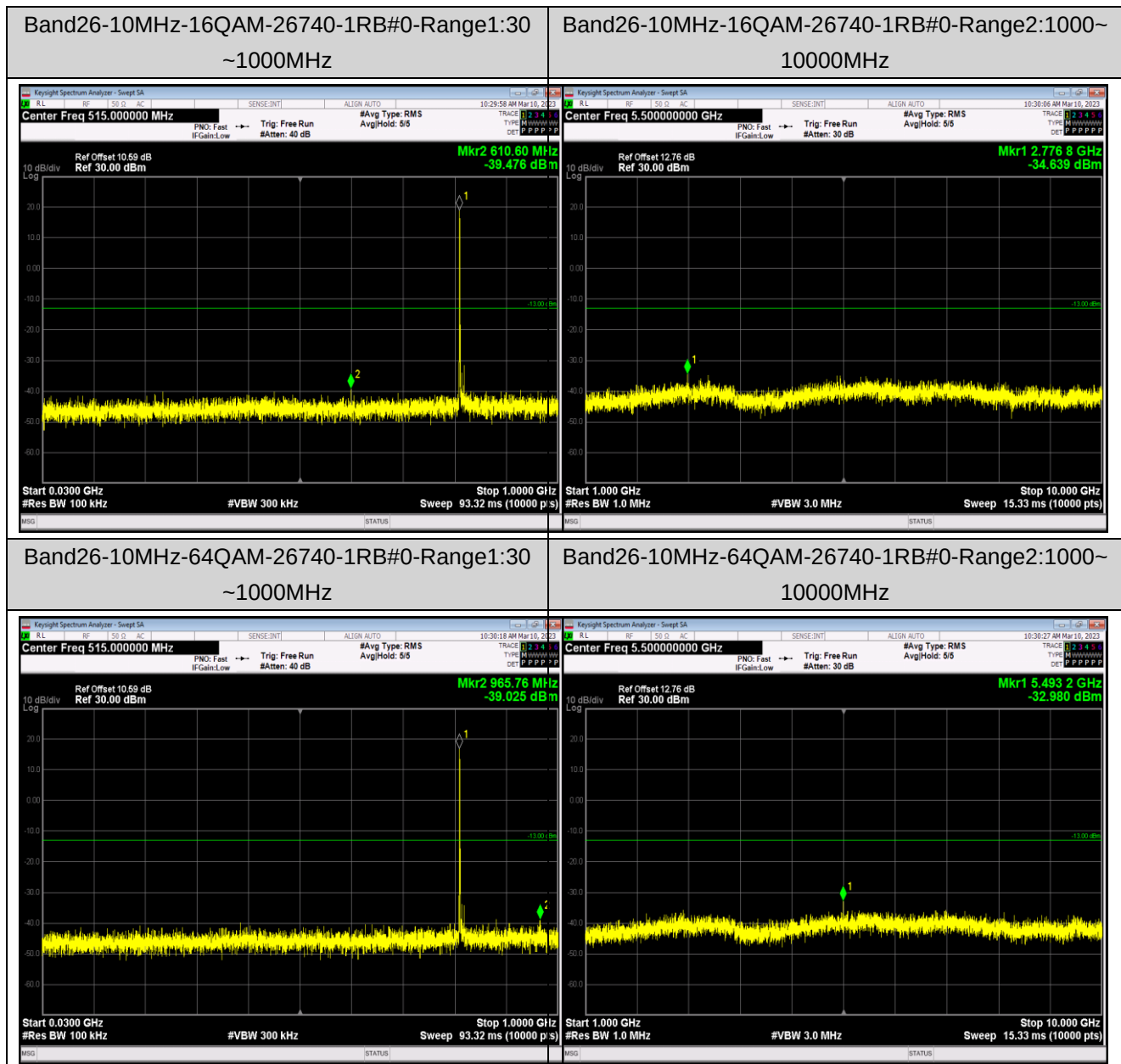
Test Graphs











Appendix F: Frequency Stability

Test Result

LTE Band 26 part:

Reference Frequency: LTE Band 26(10MHz) Middle channel=26740 Frequency=819MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.80	-30	-4.52	-0.005519	Within authorized band for Band 12	Pass
	-20	-14.41	-0.017595		
	-10	-12.1	-0.014774		
	0	-10.27	-0.01254		
	10	-11.13	-0.01359		
	20	-9.36	-0.011429		
	30	-1.69	-0.002063		
	40	-12.17	-0.01486		
	50	-12.16	-0.014847		
16QAM					
3.80	-30	-4.68	-0.005714	Within authorized band for Band 12	Pass
	-20	-5.61	-0.00685		
	-10	-2.66	-0.003248		
	0	-8.25	-0.010073		
	10	-2.89	-0.003529		
	20	-6.34	-0.007741		
	30	-13.6	-0.016606		
	40	-11.52	-0.014066		
	50	-10.87	-0.013272		
64QAM					
3.80	-30	-10.1	-0.012332	Within authorized band for Band 12	Pass
	-20	-4.61	-0.005629		
	-10	-6.39	-0.007802		
	0	-6.69	-0.008168		
	10	-7.68	-0.009377		
	20	-9.16	-0.011184		
	30	-10.27	-0.01254		
	40	-8.18	-0.009988		
	50	2.9	0.003541		
	-30	-10.1	-0.012332		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.30	-11.74	-0.014335	Within authorized band for Band 12	Pass
	3.80	-3.46	-0.004225		
	4.35	-11.62	-0.014188		
16QAM					
25	3.30	-9.26	-0.011306	Within authorized band for Band 12	Pass
	3.80	-10.77	-0.01315		
	4.35	-4.15	-0.005067		
64QAM					
25	3.30	-6.07	-0.007411	Within authorized band for Band 12	Pass
	3.80	-12.37	-0.015104		
	4.35	-12.17	-0.01486		
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
Band26	10MHz	QPSK	26740	50RB#0	PASS	PASS
Band26	10MHz	16QAM	26740	50RB#0	PASS	PASS
Band26	10MHz	64QAM	26740	50RB#0	PASS	PASS

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

Test Graphs

