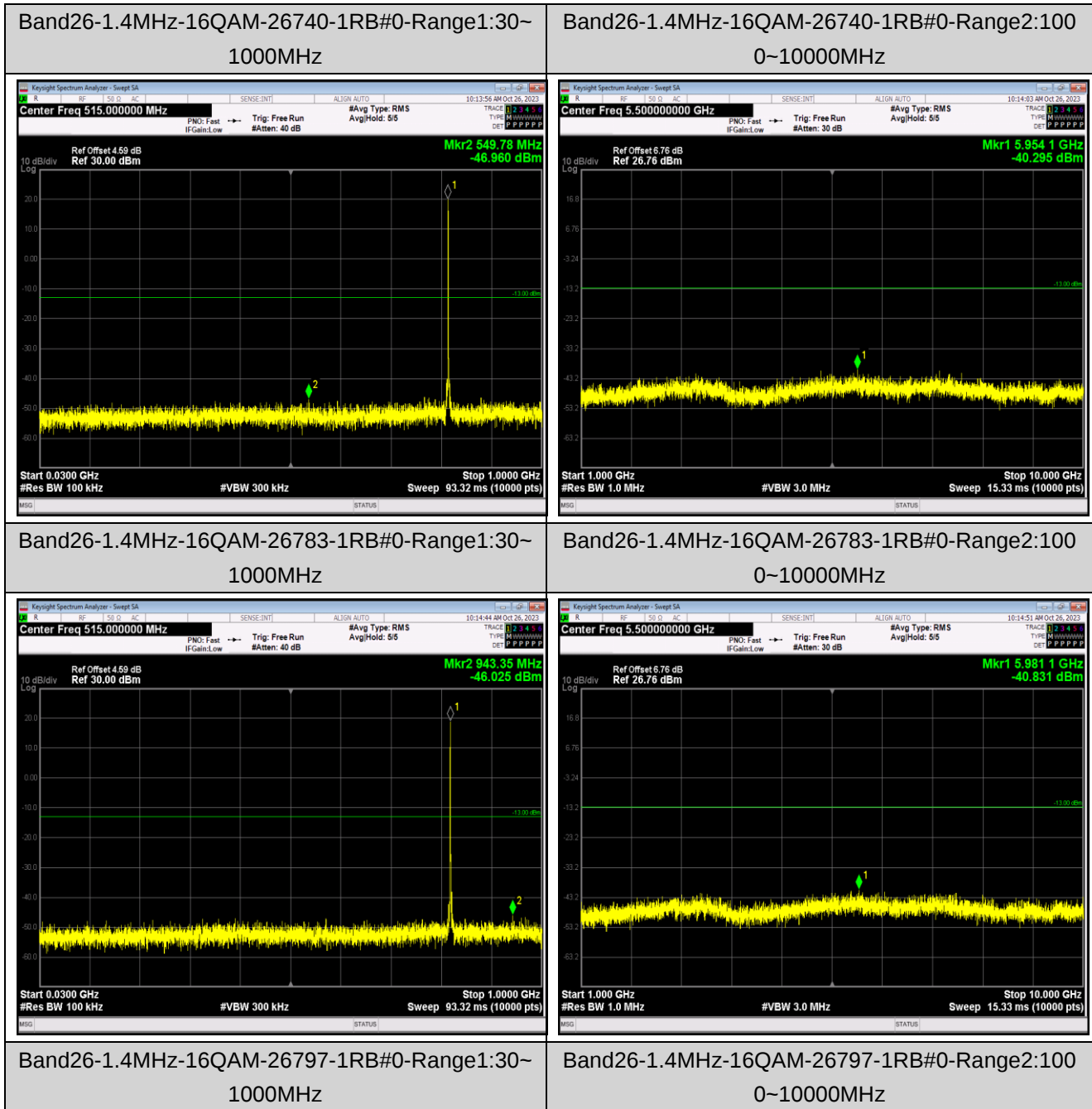
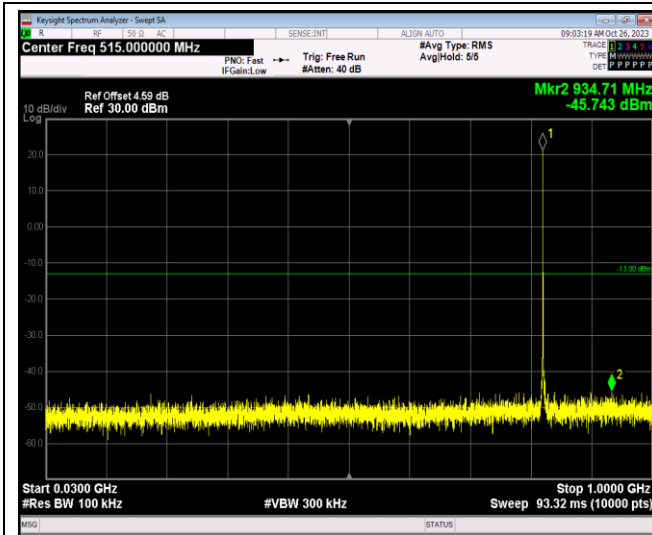
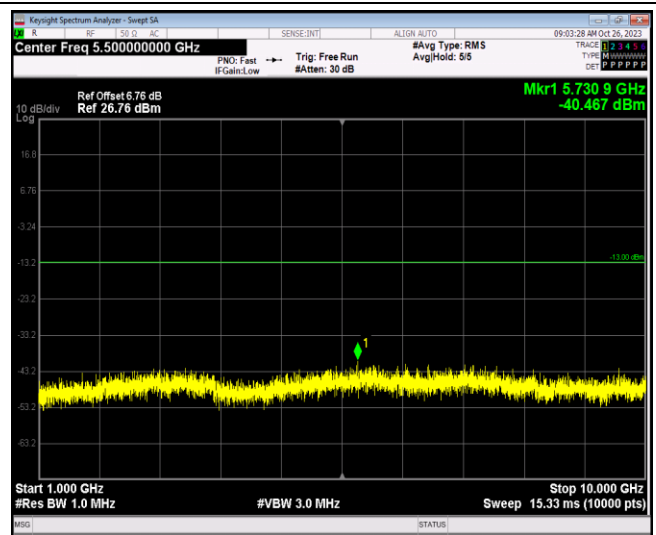


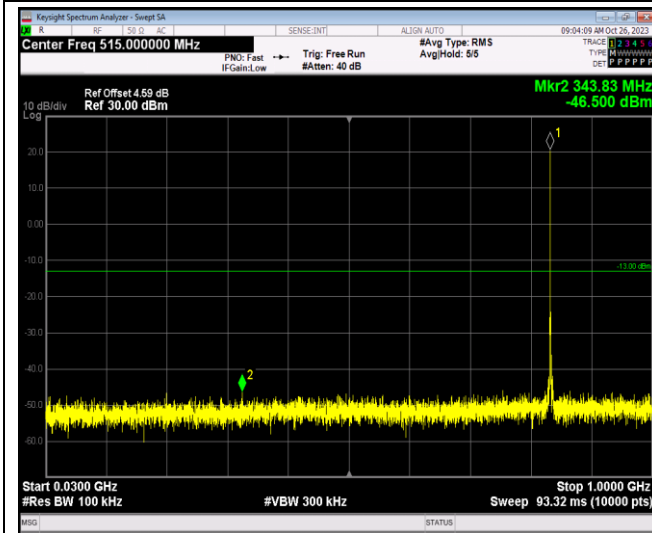




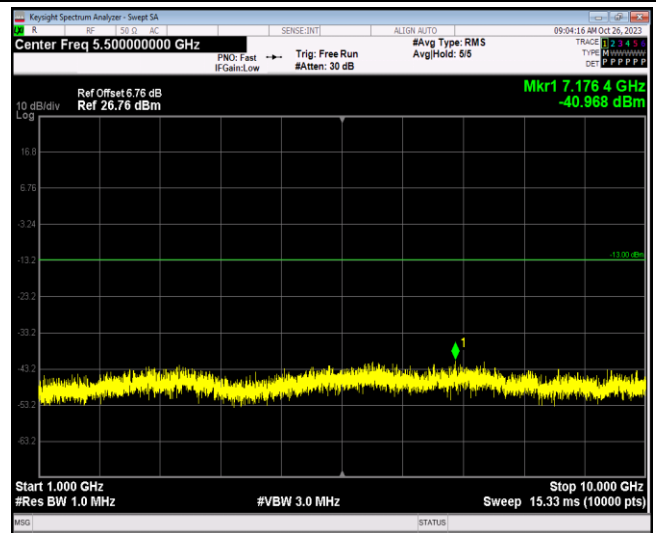
Band26-1.4MHz-16QAM-26915-1RB#0-Range1:30~1000MHz



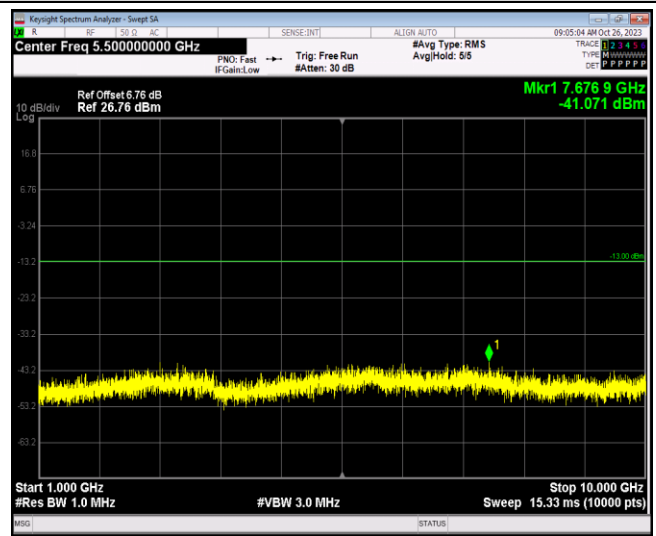
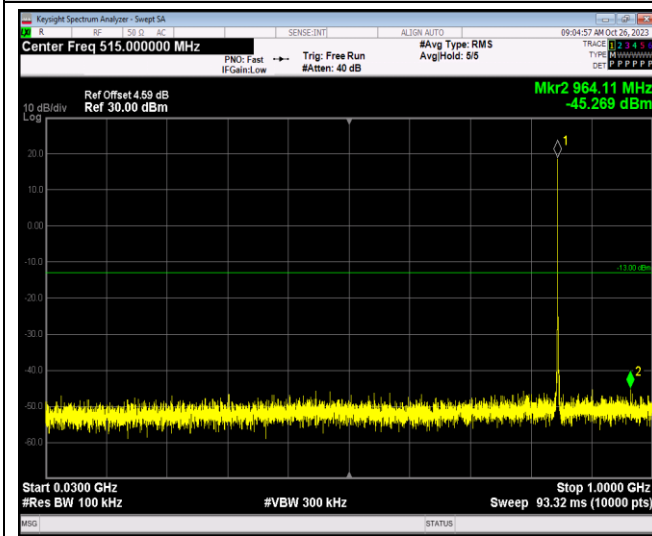
Band26-1.4MHz-16QAM-26915-1RB#0-Range2:1000~10000MHz

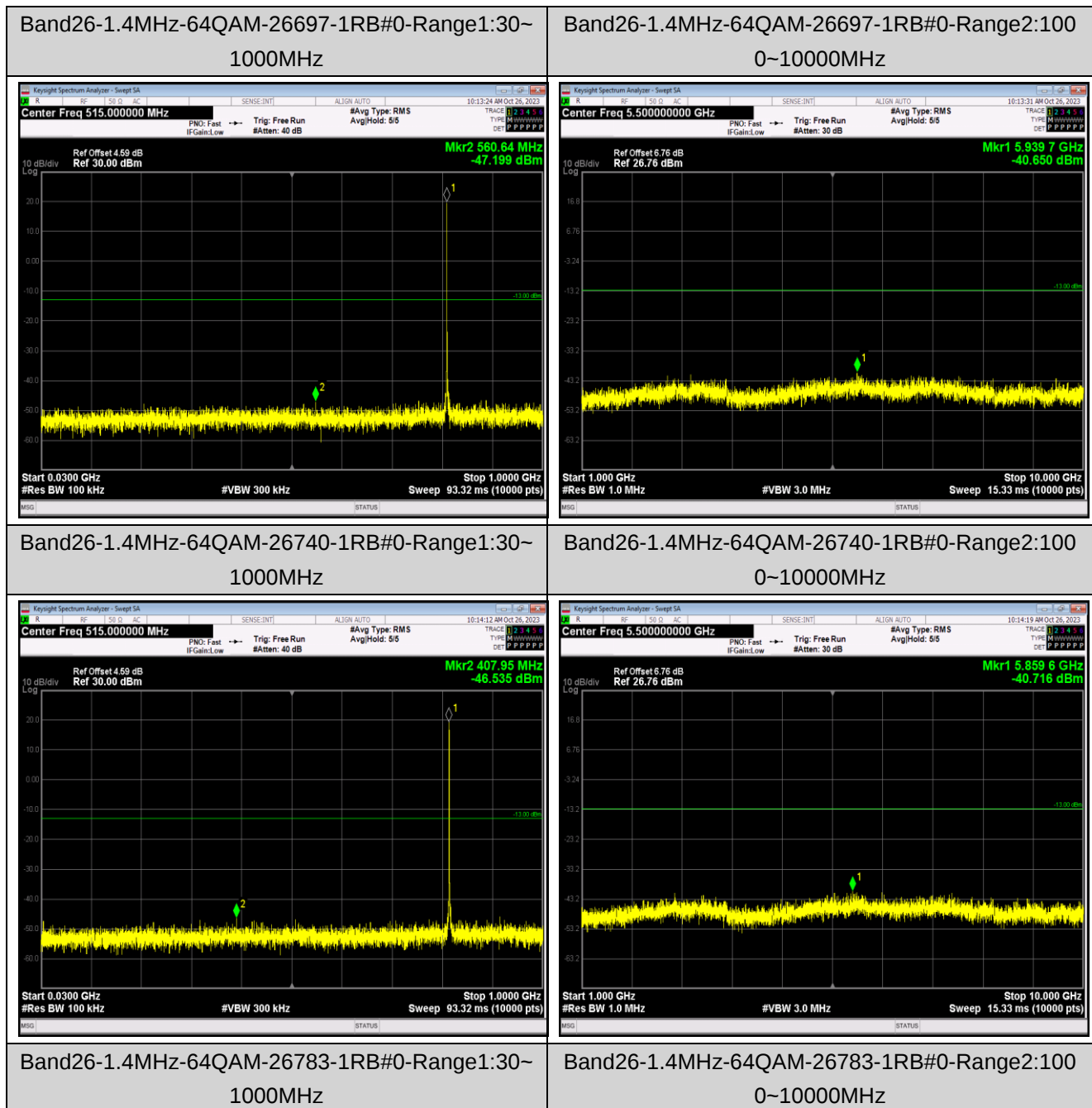


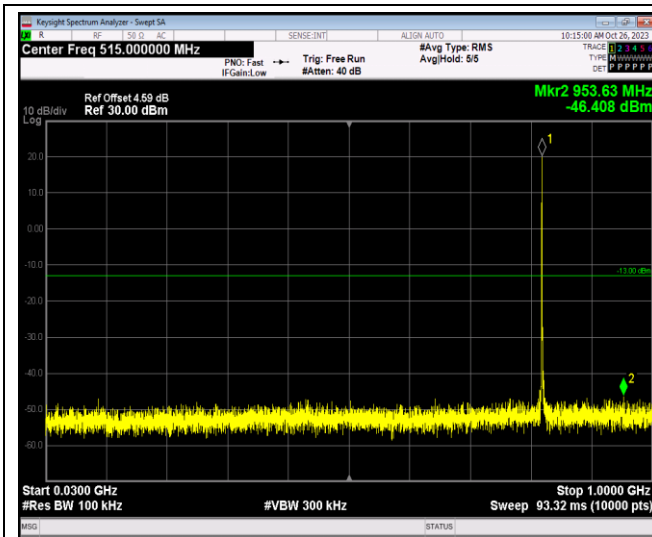
Band26-1.4MHz-16QAM-27033-1RB#0-Range1:30~1000MHz



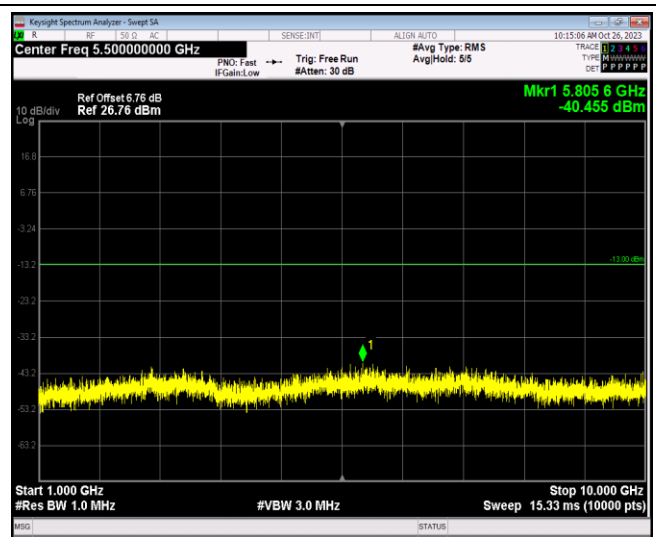
Band26-1.4MHz-16QAM-27033-1RB#0-Range2:1000~10000MHz



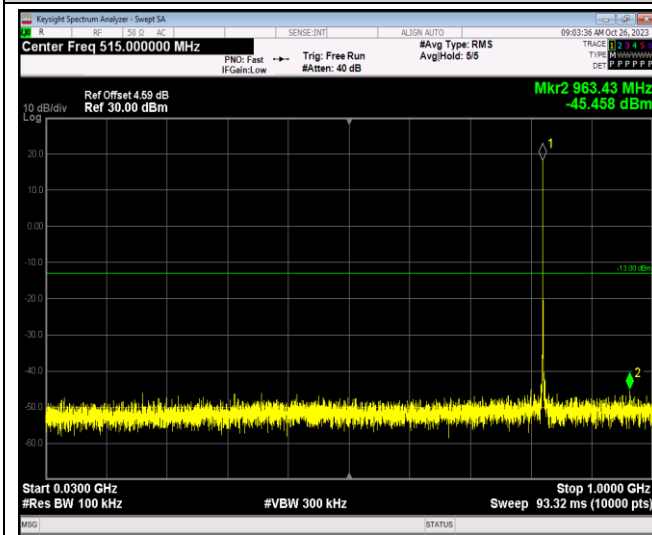




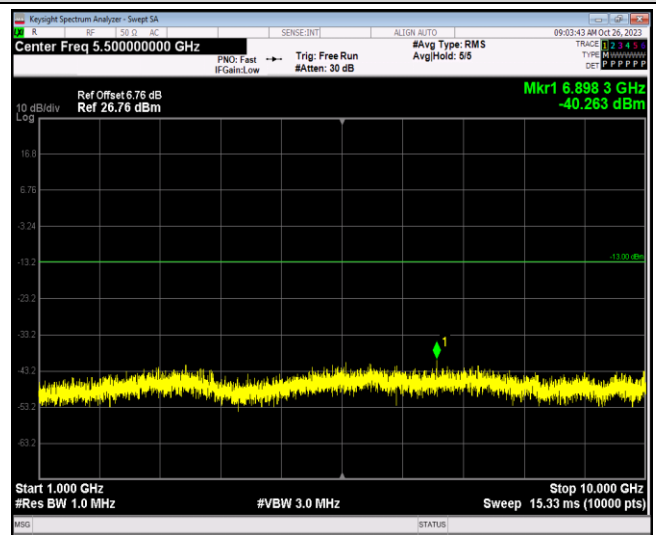
Band26-1.4MHz-64QAM-26797-1RB#0-Range1:30~1000MHz



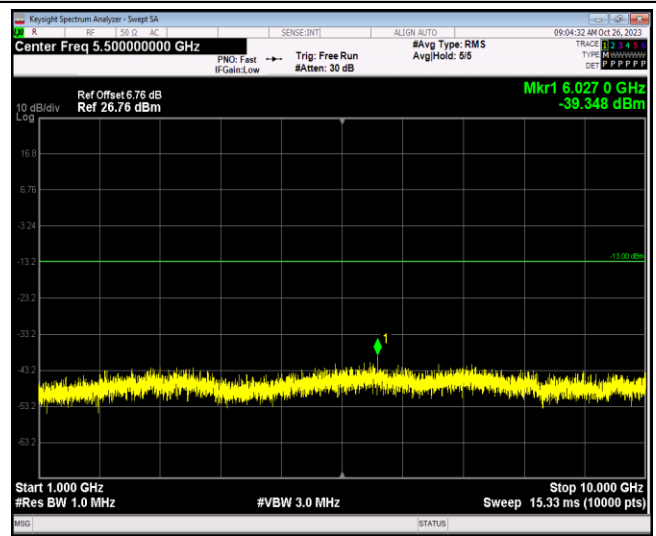
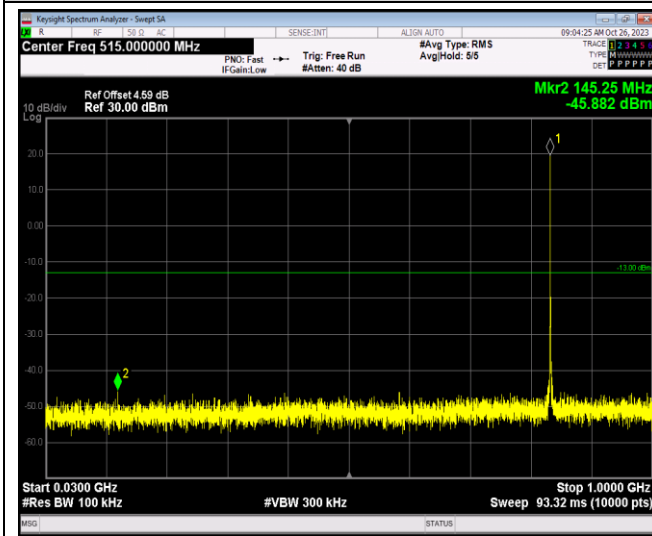
Band26-1.4MHz-64QAM-26797-1RB#0-Range2:1000~10000MHz

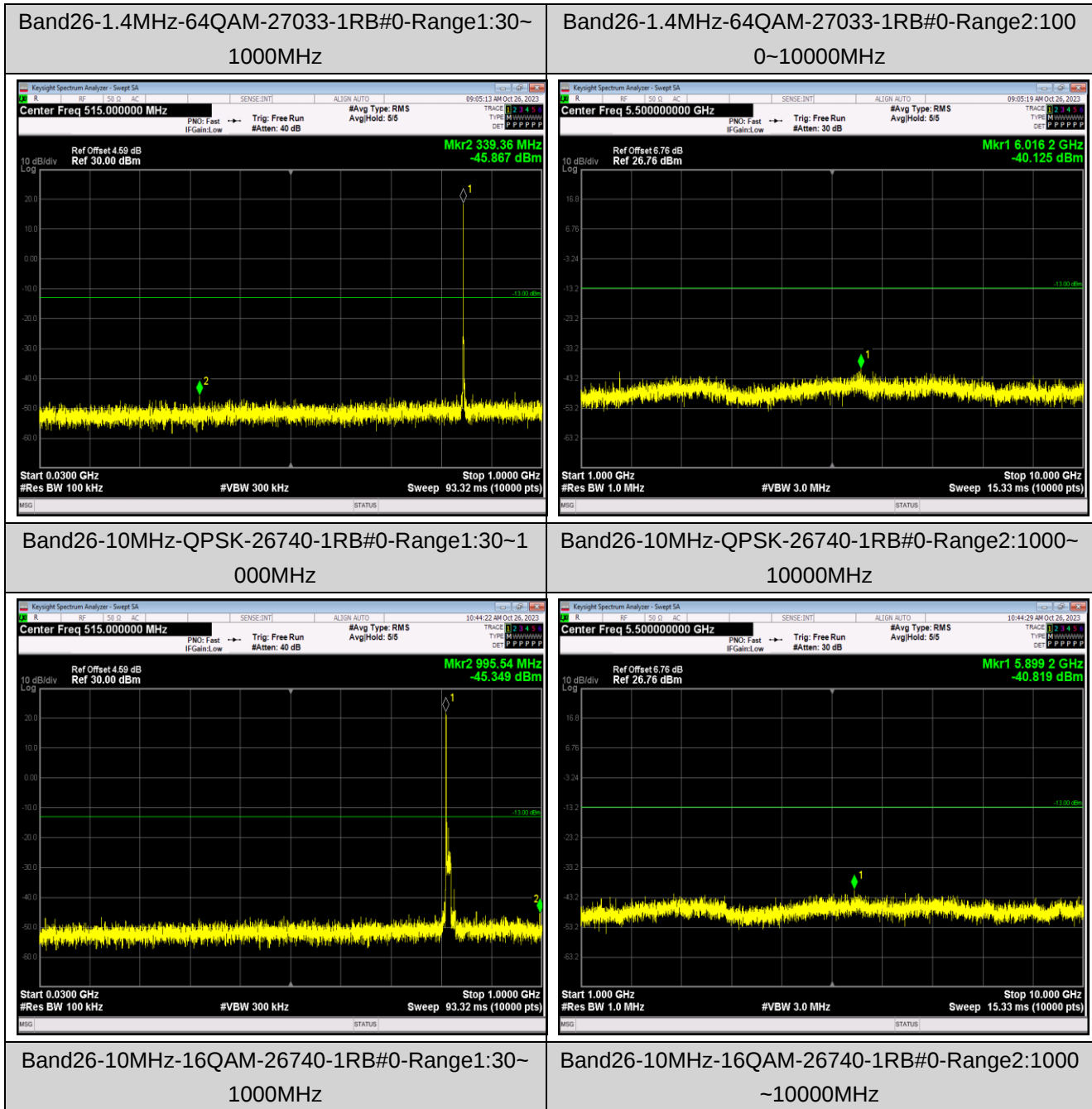


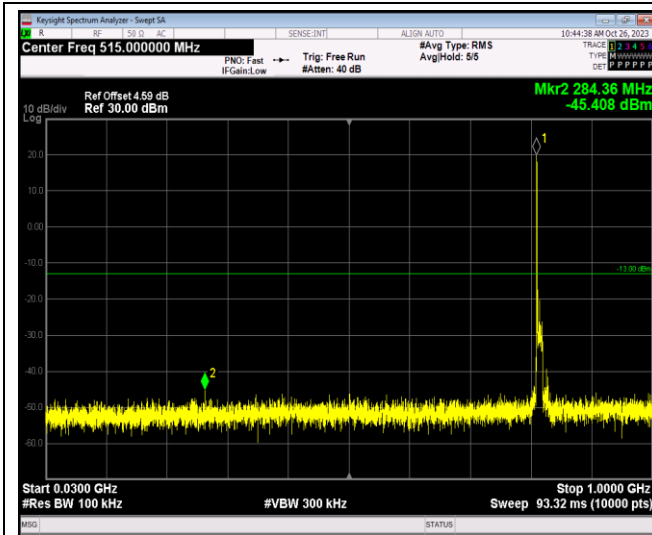
Band26-1.4MHz-64QAM-26915-1RB#0-Range1:30~1000MHz



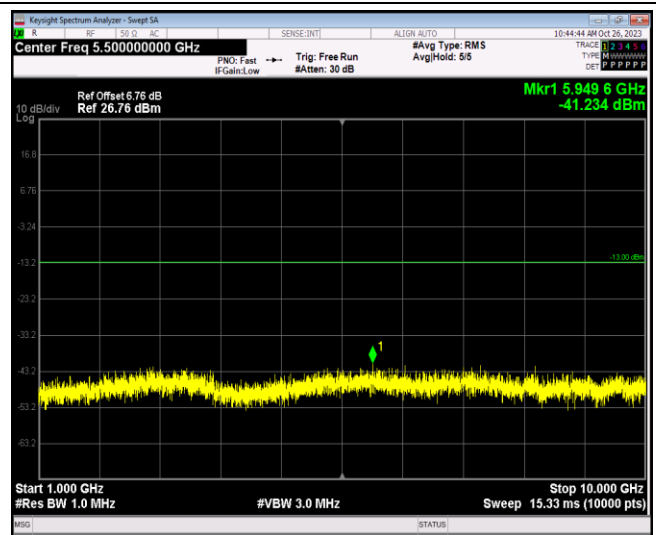
Band26-1.4MHz-64QAM-26915-1RB#0-Range2:1000~10000MHz



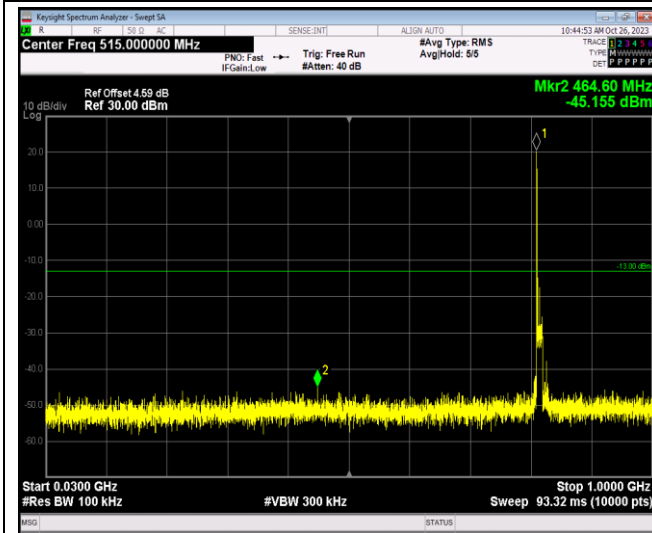




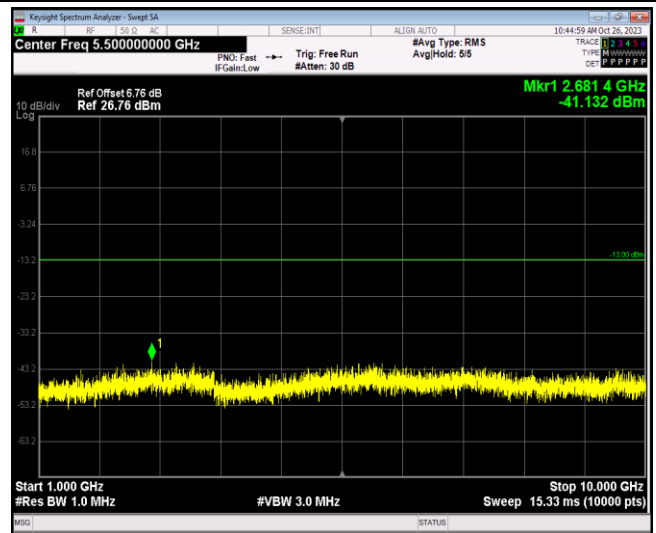
Band26-10MHz-64QAM-26740-1RB#0-Range1:30~1000MHz



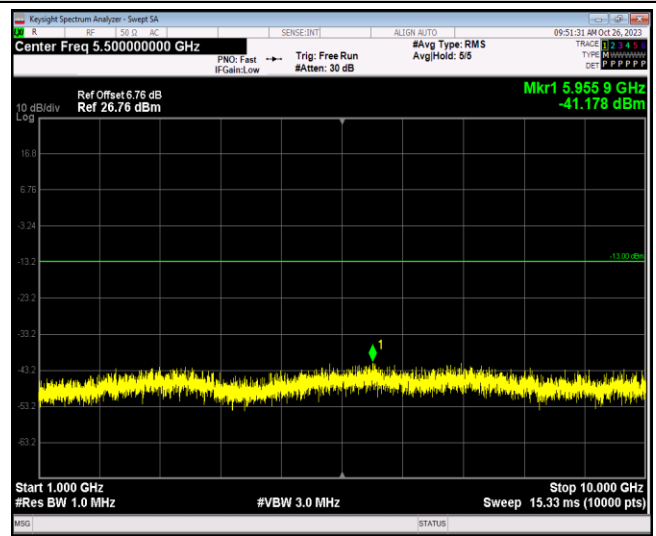
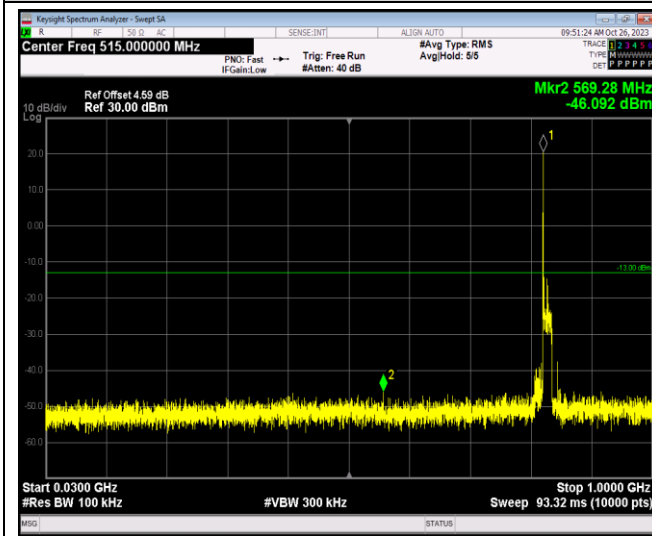
Band26-10MHz-64QAM-26740-1RB#0-Range2:1000~10000MHz



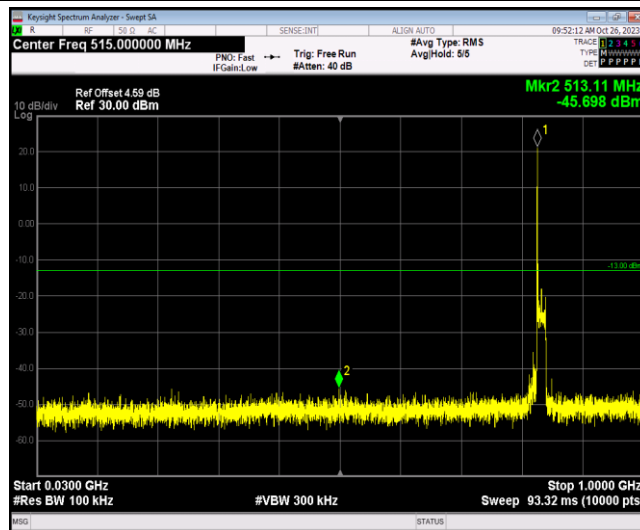
Band26-15MHz-QPSK-26865-1RB#0-Range1:30~1000MHz



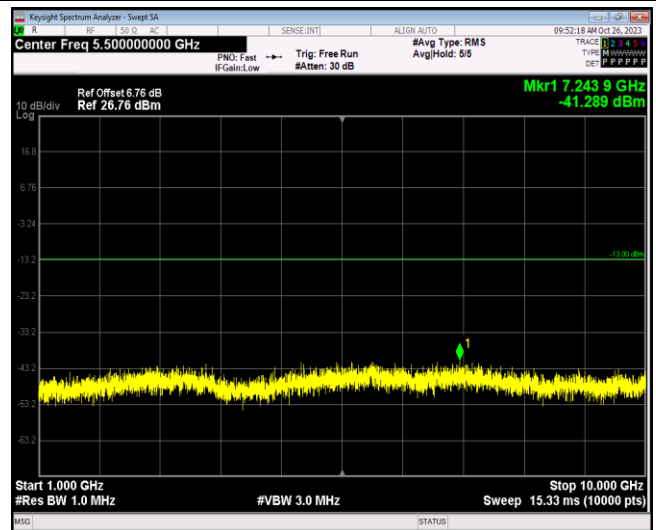
Band26-15MHz-QPSK-26865-1RB#0-Range2:1000~10000MHz



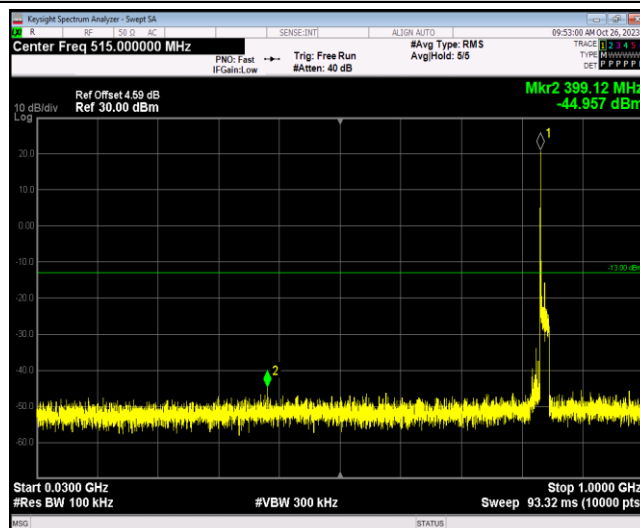
Band26-15MHz-QPSK-26915-1RB#0-Range1:30~1
000MHz



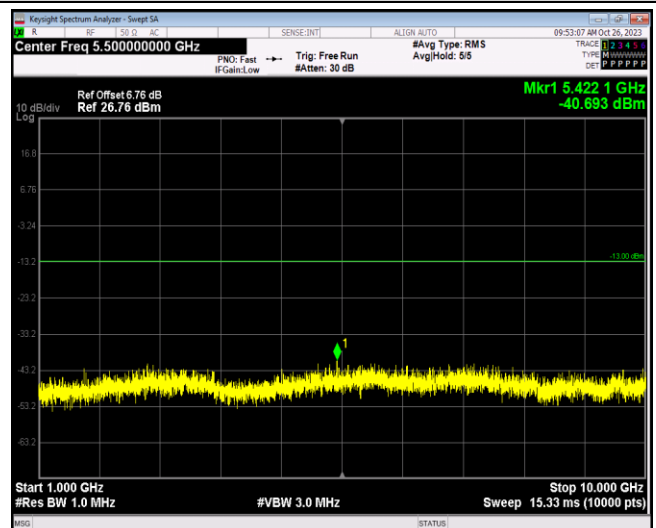
Band26-15MHz-QPSK-26915-1RB#0-Range2:1000~
10000MHz



Band26-15MHz-QPSK-26965-1RB#0-Range1:30~1
000MHz

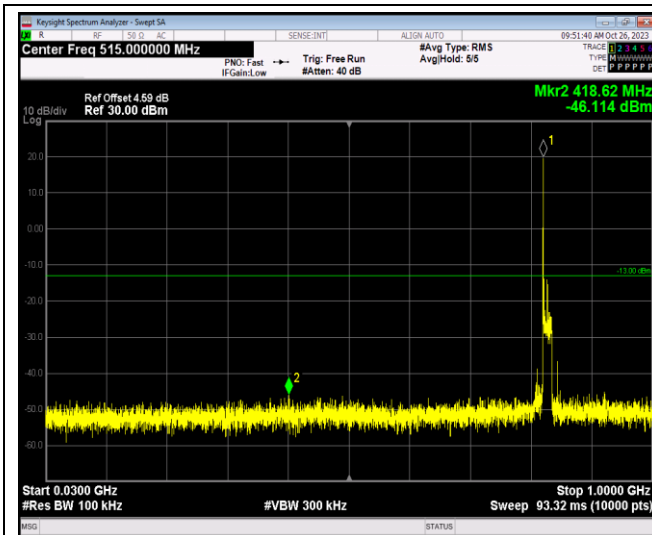


Band26-15MHz-QPSK-26965-1RB#0-Range2:1000~
10000MHz

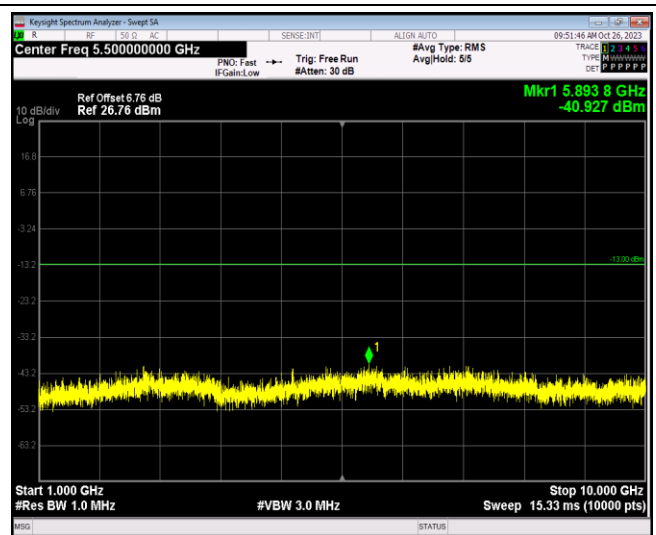


Band26-15MHz-16QAM-26865-1RB#0-Range1:30~
1000MHz

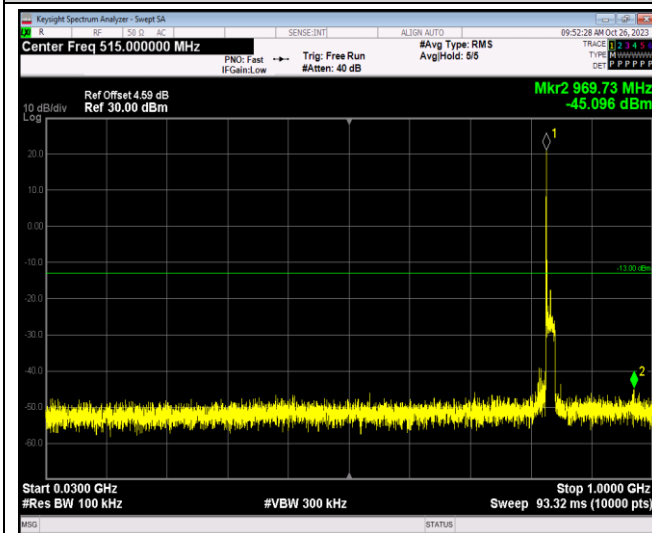
Band26-15MHz-16QAM-26865-1RB#0-Range2:1000
~10000MHz



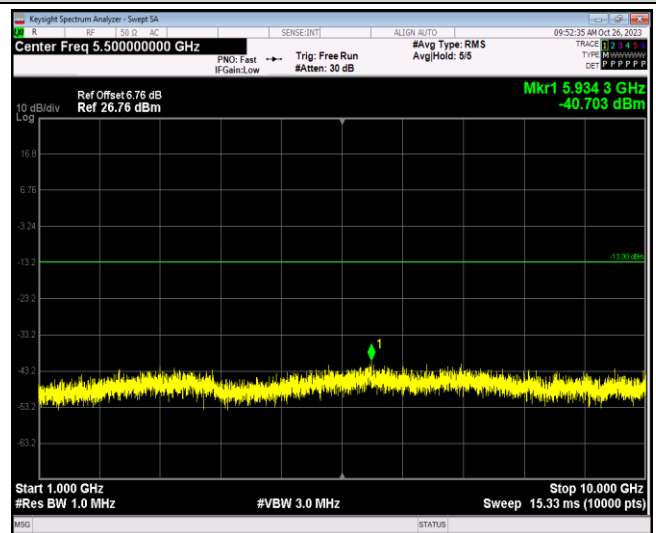
Band26-15MHz-16QAM-26915-1RB#0-Range1:30~
1000MHz



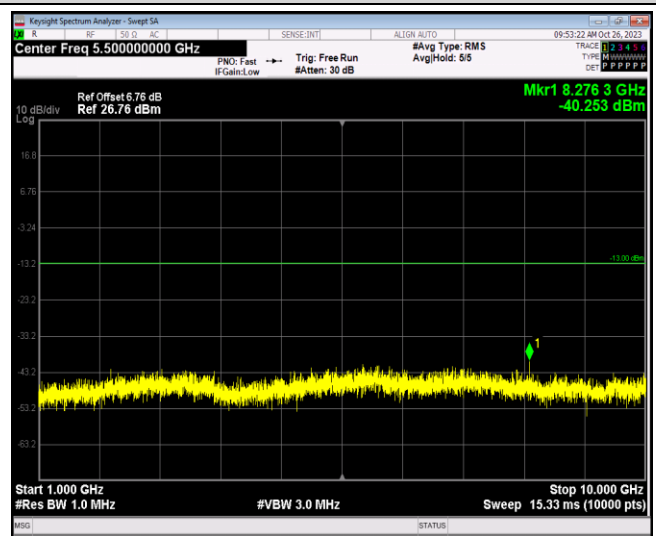
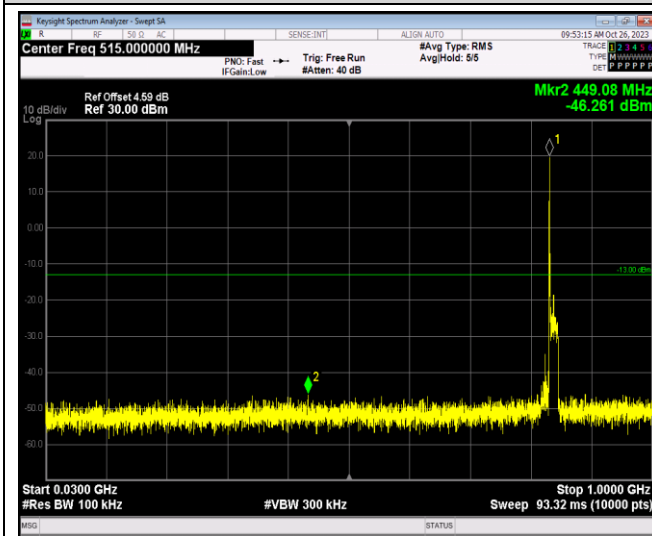
Band26-15MHz-16QAM-26915-1RB#0-Range2:1000
~10000MHz

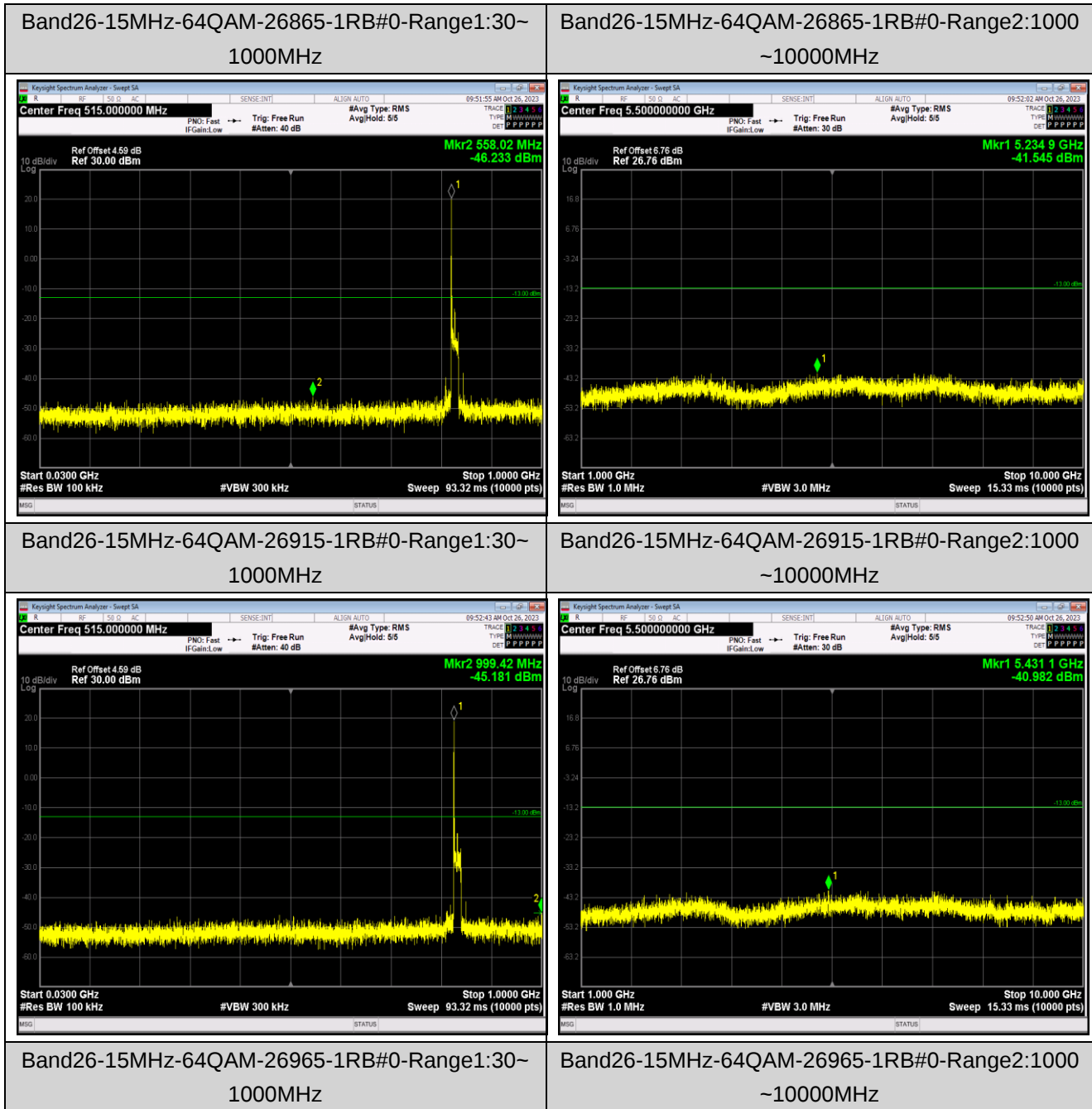


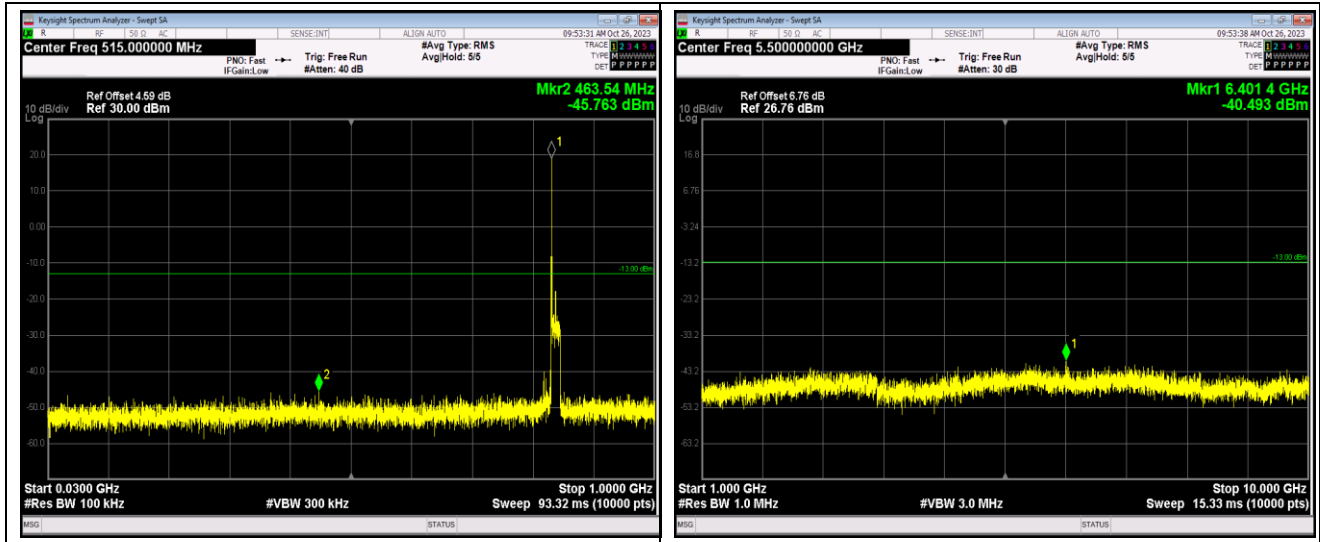
Band26-15MHz-16QAM-26965-1RB#0-Range1:30~
1000MHz



Band26-15MHz-16QAM-26965-1RB#0-Range2:1000
~10000MHz







Appendix F: Frequency Stability

Test Result

LTE Band 13 part:

Reference Frequency: LTE Band 13(10MHz) Middle channel=23230 Frequency=782.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (℃)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.87	-30	2.06	0.002634	Within authorized band for Band 13	Pass
	-20	-8.94	-0.011432		
	-10	-8.54	-0.010921		
	0	-7.31	-0.009348		
	10	-5.94	-0.007596		
	20	-6.61	-0.008453		
	30	-3.91	-0.005000		
	40	-6.71	-0.008581		
	50	-4.82	-0.006164		
16QAM					
3.87	-30	-5.09	-0.006509	Within authorized band for Band 13	Pass
	-20	-6.71	-0.008581		
	-10	-4.81	-0.006151		
	0	3.28	0.004194		
	10	-6.95	-0.008887		
	20	1.36	0.001739		
	30	-4.71	-0.006023		
	40	-4.79	-0.006125		
	50	4.16	0.005320		
64QAM					
3.87	-30	-5.68	-0.007263	Within authorized band for Band 13	Pass
	-20	-6.72	-0.008593		
	-10	-3.62	-0.004629		
	0	-5.56	-0.007110		
	10	-5.98	-0.007647		
	20	-3.13	-0.004003		
	30	-3.86	-0.004936		
	40	-4.94	-0.006317		
	50	-8.28	-0.010588		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.45	-3.73	-0.004770	Within authorized band for Band 13	Pass
	3.87	-2.55	-0.003261		
	4.45	-3.05	-0.003900		
16QAM					
25	3.45	-4.36	-0.005575	Within authorized band for Band 13	Pass
	3.87	-4.49	-0.005742		
	4.45	-3.50	-0.004476		
64QAM					
25	3.45	-6.94	-0.008875	Within authorized band for Band 13	Pass
	3.87	-4.23	-0.005409		
	4.45	-6.94	-0.008875		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 26(Part90) part:

Reference Frequency: LTE Band 26 (10MHz) Middle channel=26740 Frequency=819.0MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.87	-30	-3.03	-0.003700	±2.5	Pass
	-20	-8.84	-0.010794		
	-10	-4.81	-0.005873		
	0	4.16	0.005079		
	10	-3.98	-0.004860		
	20	-1.60	-0.001954		
	30	-3.93	-0.004799		
	40	-6.32	-0.007717		
	50	-9.50	-0.011600		
16QAM					
3.87	-30	-2.59	-0.003162	±2.5	Pass
	-20	-8.00	-0.009768		
	-10	-3.72	-0.004542		
	0	-1.99	-0.002430		
	10	-3.85	-0.004701		
	20	-8.97	-0.010952		
	30	-7.47	-0.009121		
	40	-10.17	-0.012418		
	50	-3.98	-0.004860		
64QAM					
3.87	-30	-5.58	-0.006813	±2.5	Pass
	-20	-3.33	-0.004066		
	-10	2.92	0.003565		
	0	-7.84	-0.009573		
	10	-7.34	-0.008962		
	20	-7.81	-0.009536		
	30	-8.00	-0.009768		
	40	-3.08	-0.003761		
	50	-10.64	-0.012991		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.45	-8.25	-0.010073	±2.5	Pass
	3.87	-2.99	-0.003651		
	4.45	-8.04	-0.009817		
16QAM					
25	3.45	-2.42	-0.002955	±2.5	Pass
	3.87	-9.20	-0.011233		
	4.45	-7.65	-0.009341		
64QAM					
25	3.45	-6.77	-0.008266	±2.5	Pass
	3.87	2.60	0.003175		
	4.45	-9.97	-0.012173		
Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.					

LTE Band 26(Part22) part:

Reference Frequency: LTE Band 26 (10MHz) Middle channel=26915 Frequency=836.5MHz					
Temperature					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.87	-30	-8.81	-0.010532	±2.5	Pass
	-20	-5.94	-0.007101		
	-10	-4.01	-0.004794		
	0	-7.05	-0.008428		
	10	-8.81	-0.010532		
	20	-11.94	-0.014274		
	30	-8.24	-0.009851		
	40	-10.36	-0.012385		
	50	-4.99	-0.005965		
16QAM					
3.87	-30	-7.40	-0.008846	±2.5	Pass
	-20	-5.91	-0.007065		
	-10	-7.58	-0.009062		
	0	-6.01	-0.007185		
	10	-10.54	-0.012600		
	20	-4.32	-0.005164		
	30	-7.51	-0.008978		
	40	3.23	0.003861		
	50	-3.49	-0.004172		
64QAM					
3.87	-30	-5.66	-0.006766	±2.5	Pass
	-20	-6.44	-0.007699		
	-10	-6.44	-0.007699		
	0	4.26	0.005093		
	10	-7.30	-0.008727		
	20	-5.56	-0.006647		
	30	-8.55	-0.010221		
	40	-8.00	-0.009564		
	50	-7.38	-0.008822		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.45	-4.72	-0.005643	±2.5	Pass
	3.87	-8.53	-0.010197		
	4.45	-7.75	-0.009265		
16QAM					
25	3.45	-6.18	-0.007388	±2.5	Pass
	3.87	-1.80	-0.002152		
	4.45	-3.16	-0.003778		
64QAM					
25	3.45	-3.39	-0.004053	±2.5	Pass
	3.87	5.35	0.006396		
	4.45	-6.52	-0.007794		
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
Band13	10MHz	QPSK	23230	50RB#0	PASS	PASS
Band13	10MHz	16QAM	23230	50RB#0	PASS	PASS
Band13	10MHz	64QAM	23230	50RB#0	PASS	PASS
Band26	10MHz	QPSK	26740	50RB#0	PASS	PASS
Band26	10MHz	16QAM	26740	50RB#0	PASS	PASS
Band26	10MHz	64QAM	26740	50RB#0	PASS	PASS
Band26	15MHz	QPSK	26915	75RB#0	PASS	PASS
Band26	15MHz	16QAM	26915	75RB#0	PASS	PASS
Band26	15MHz	64QAM	26915	75RB#0	PASS	PASS

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

Test Graphs

