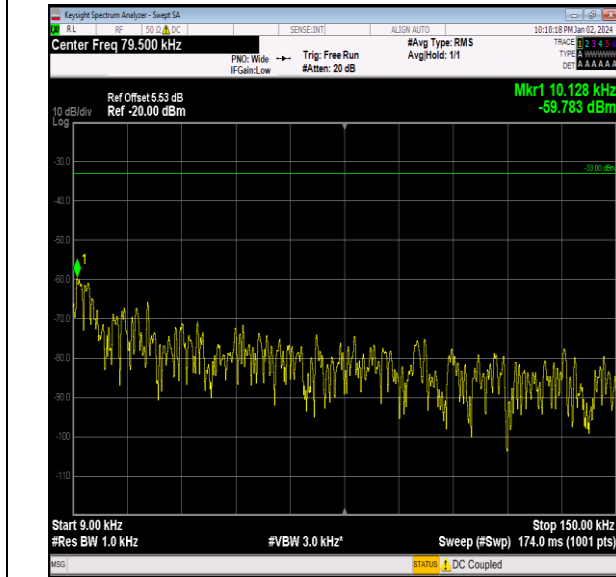
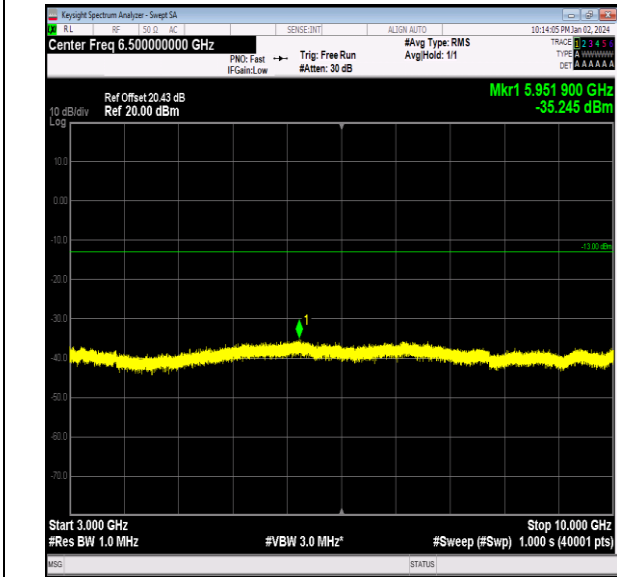


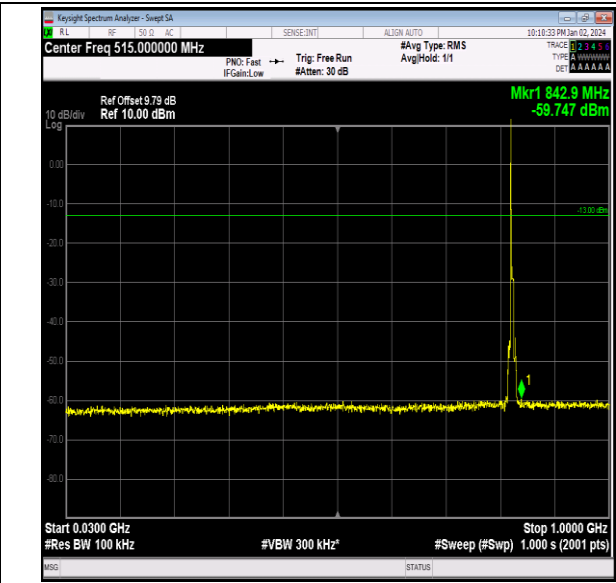
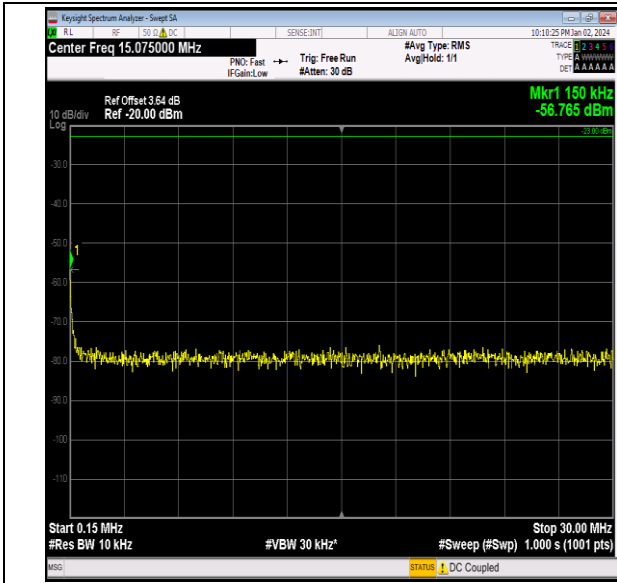
Band26_5MHz_QPSK_27015_1RB#0_30~1000_30~1000

Band26_5MHz_QPSK_27015_1RB#0_1000~3000_1000~3000



Band26_5MHz_QPSK_27015_1RB#0_3000~10000_3000~10000

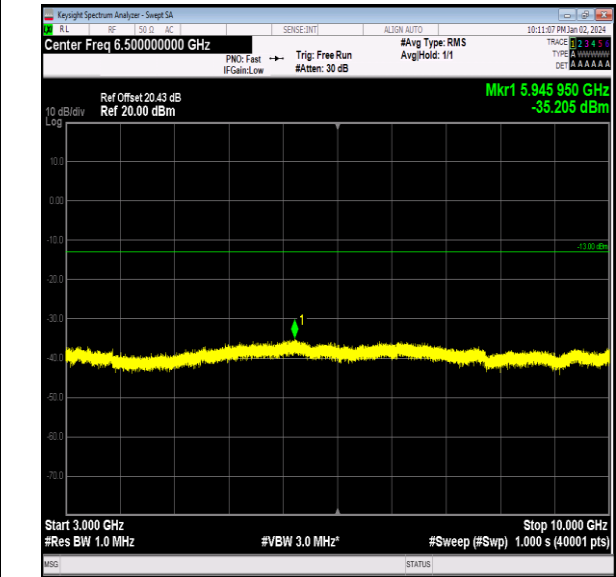
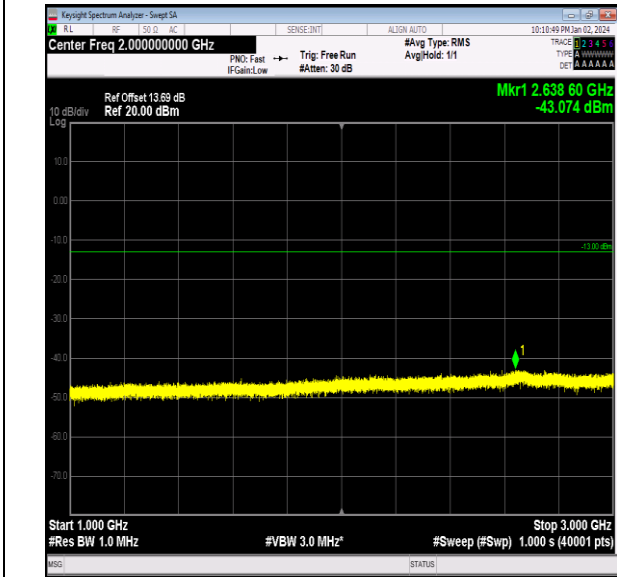
Band26_5MHz_16QAM_26815_1RB#0_0.009~0.15_0.009~0.15



Band26_5MHz_16QAM_26815_1RB#0_0.15~30_0.15~30

Band26_5MHz_16QAM_26815_1RB#0_30~1000_30~100

0

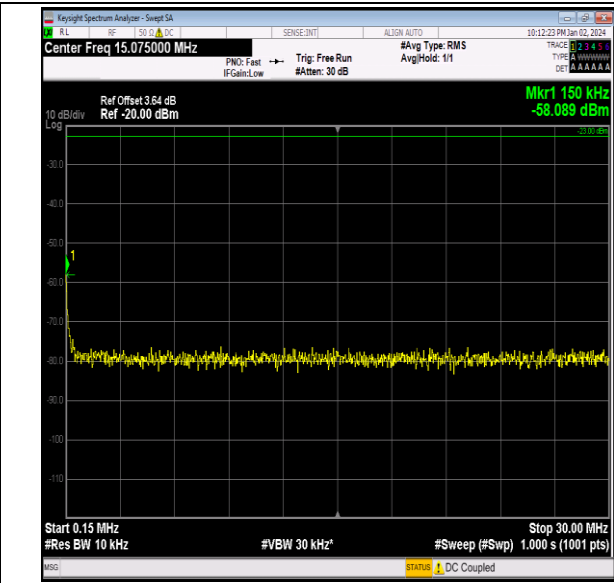
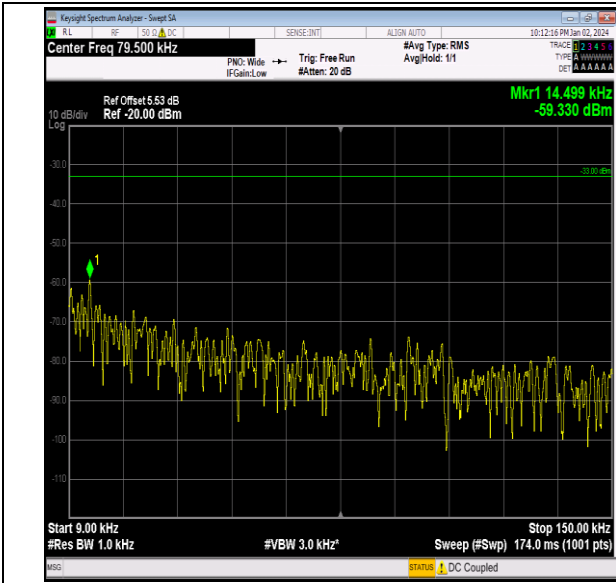


Band26_5MHz_16QAM_26815_1RB#0_1000~3000_1000

Band26_5MHz_16QAM_26815_1RB#0_3000~10000_300

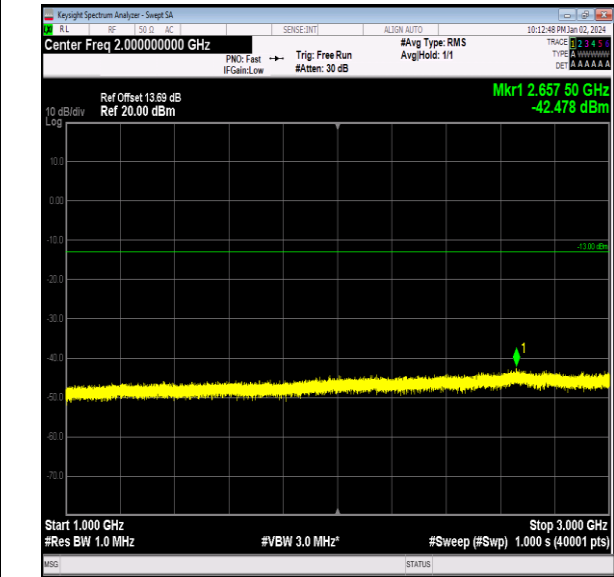
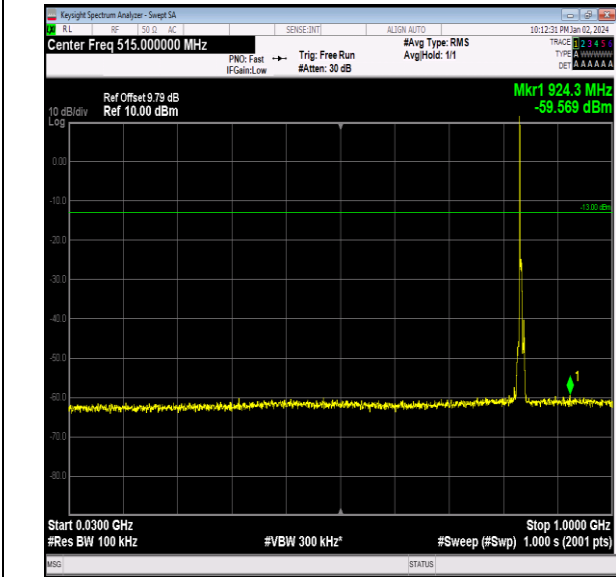
~3000

0~10000



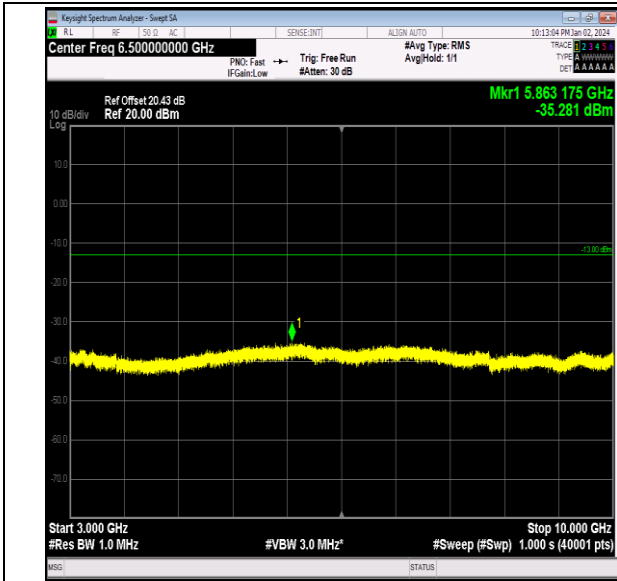
Band26_5MHz_16QAM_26915_1RB#0_0.009~0.15_0.009
 ~0.15

Band26_5MHz_16QAM_26915_1RB#0_0.15~30_0.15~30

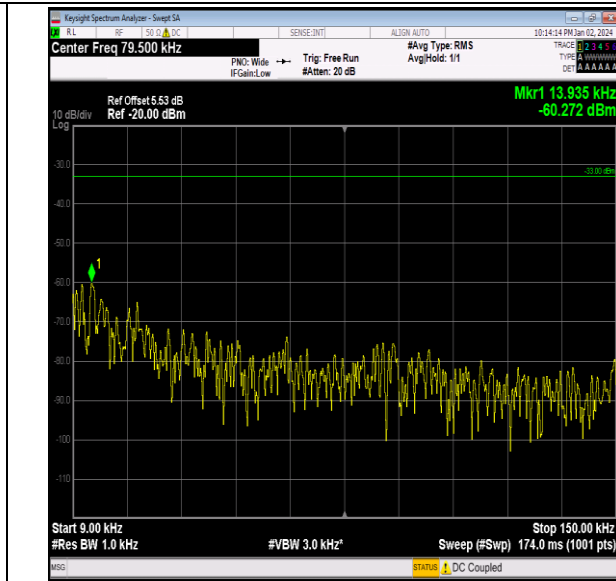


Band26_5MHz_16QAM_26915_1RB#0_30~1000_30~100
 0

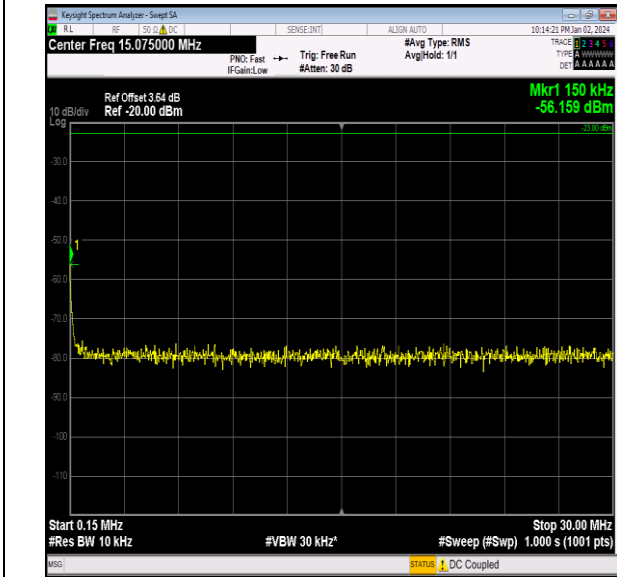
Band26_5MHz_16QAM_26915_1RB#0_1000~3000_1000
 ~3000



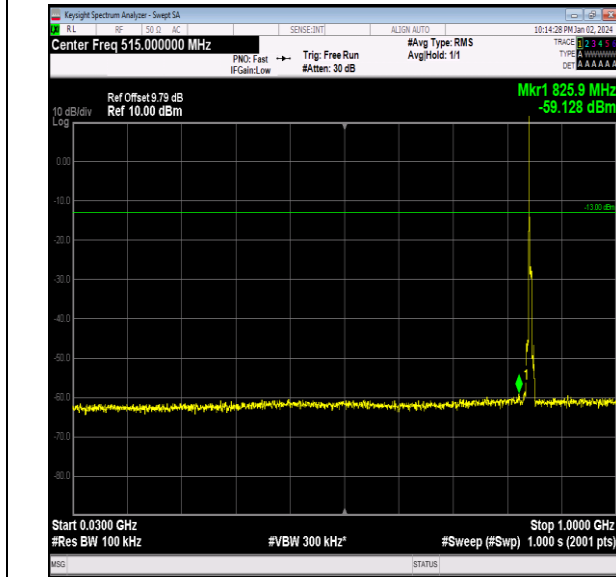
Band26_5MHz_16QAM_26915_1RB#0_3000~10000_300
0~10000



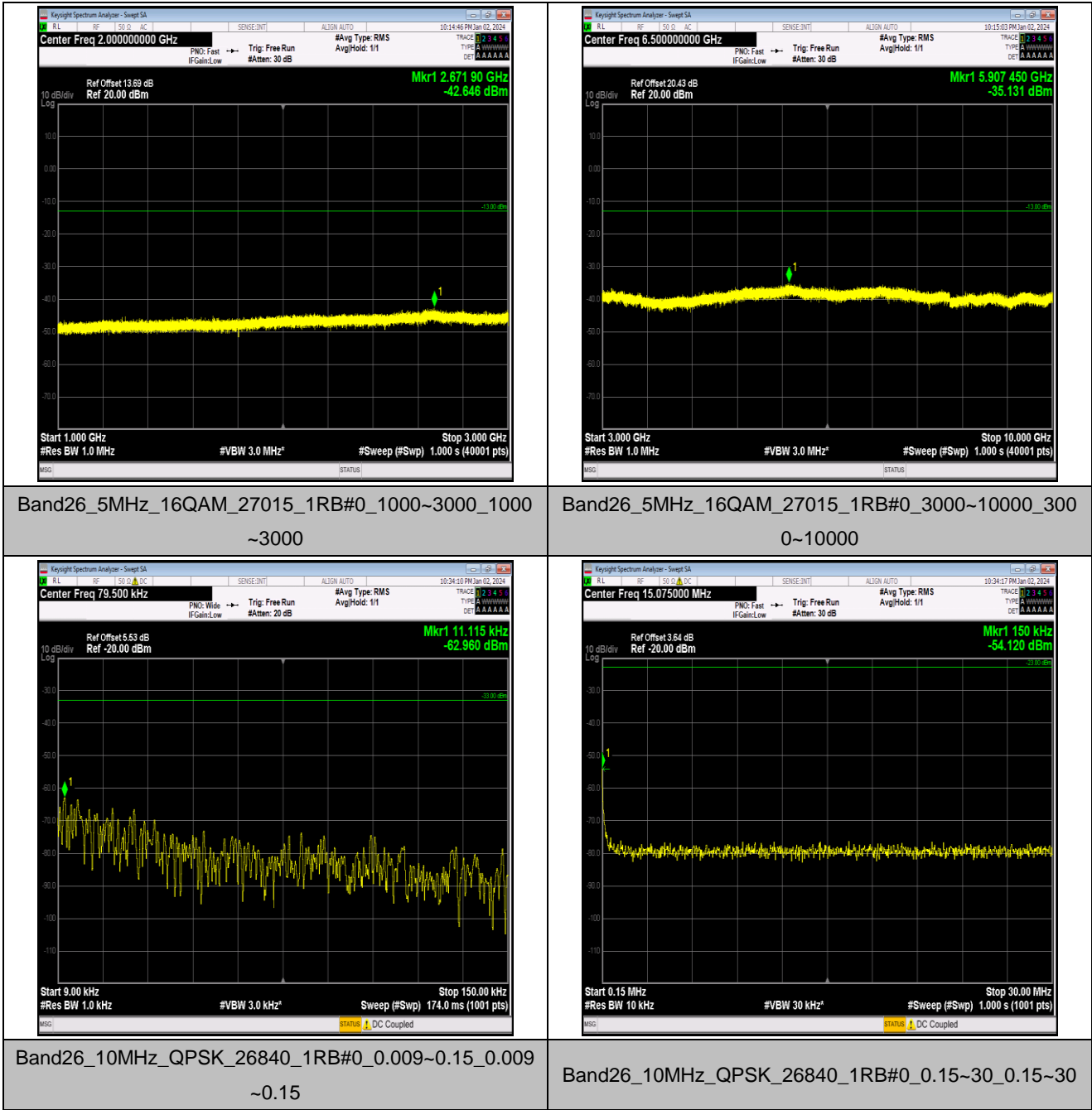
Band26_5MHz_16QAM_27015_1RB#0_0.009~0.15_0.009
~0.15

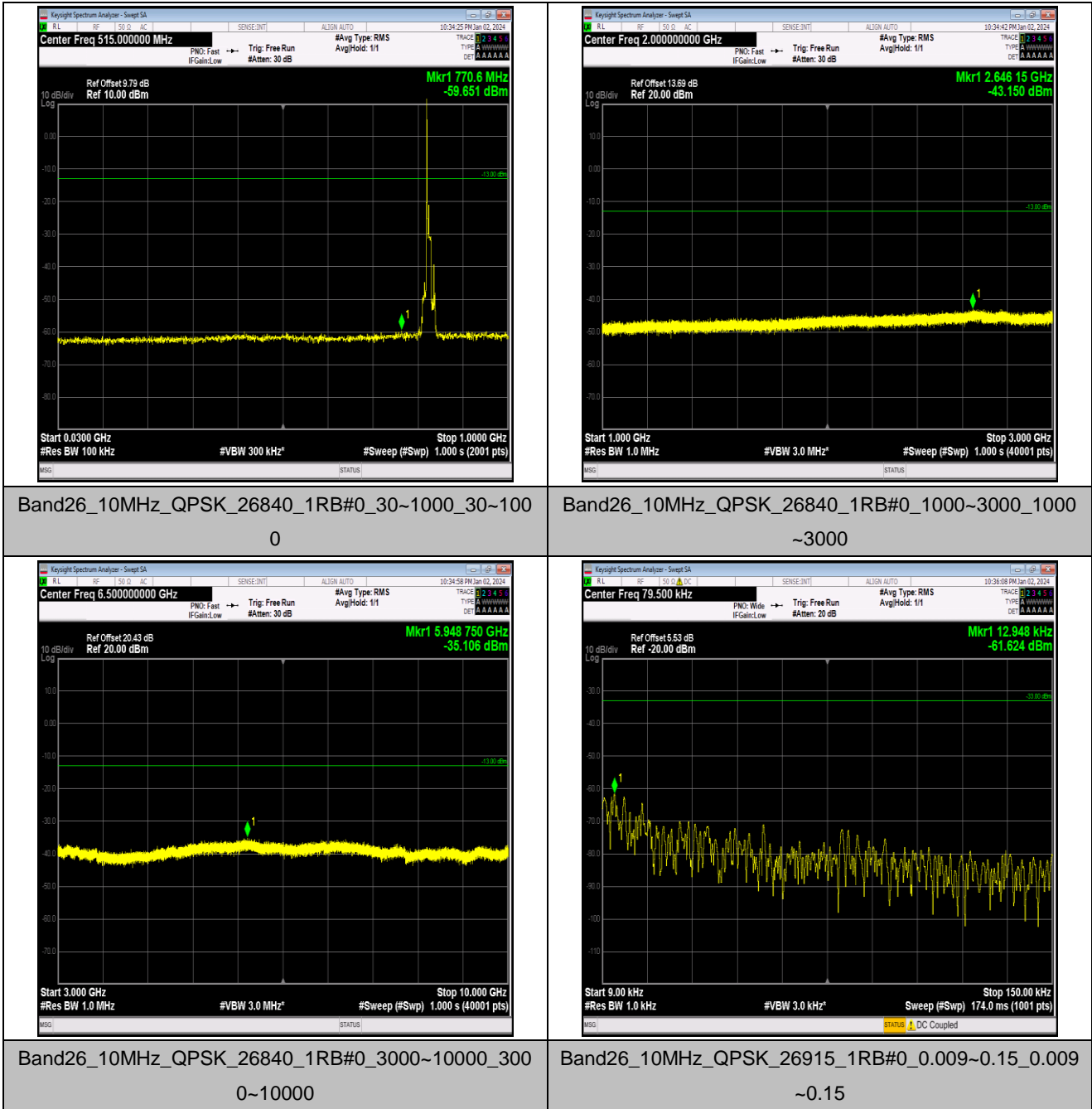


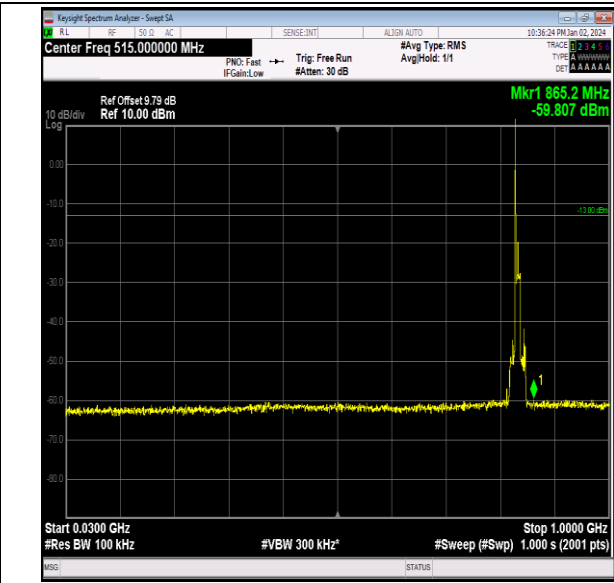
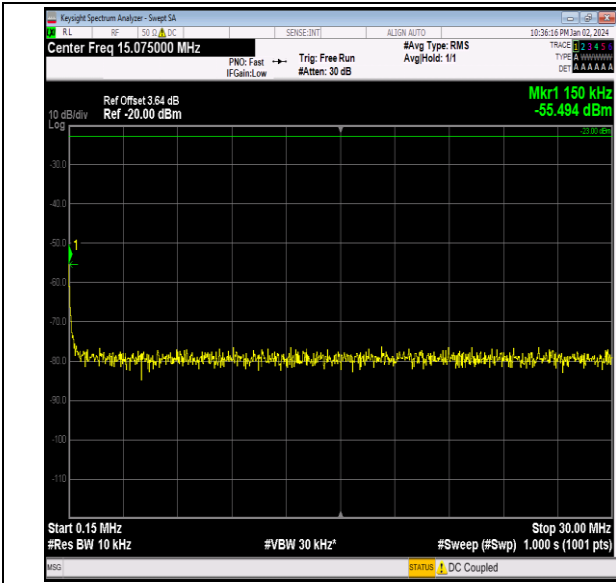
Band26_5MHz_16QAM_27015_1RB#0_0.15~30_0.15~30



Band26_5MHz_16QAM_27015_1RB#0_30~1000_30~100
0

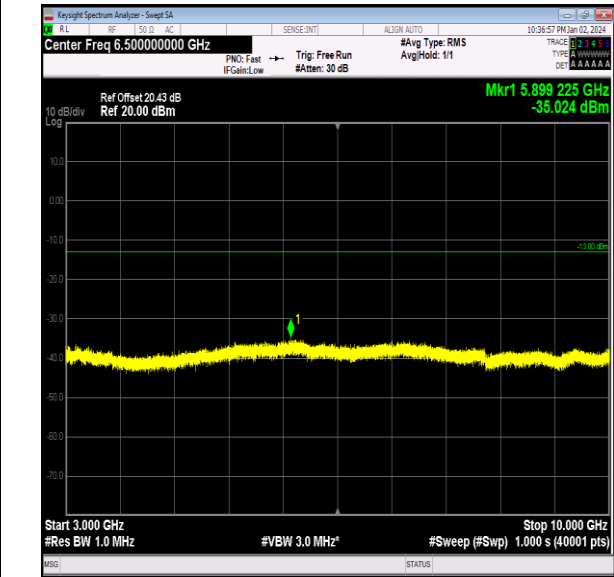
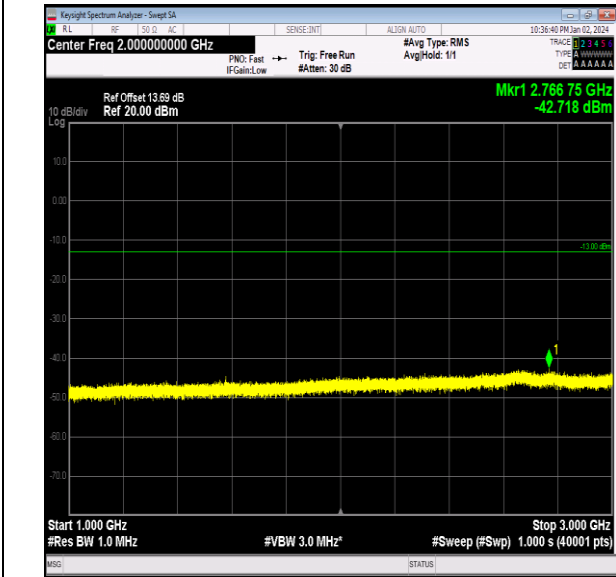






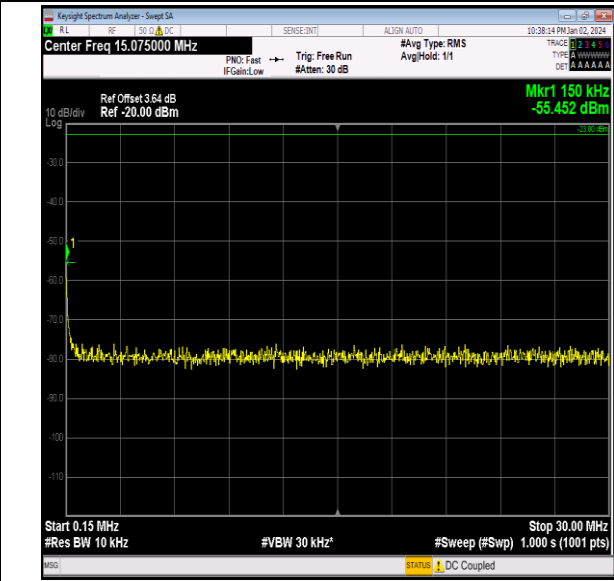
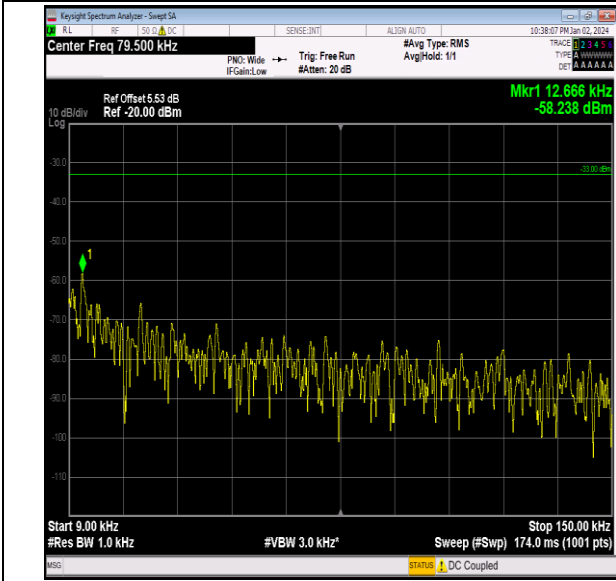
Band26_10MHz_QPSK_26915_1RB#0_0.15~30_0.15~30

Band26_10MHz_QPSK_26915_1RB#0_30~1000_30~1000
0



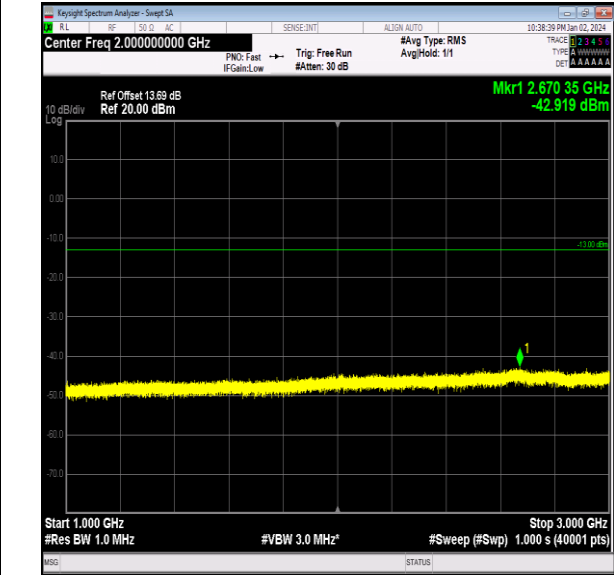
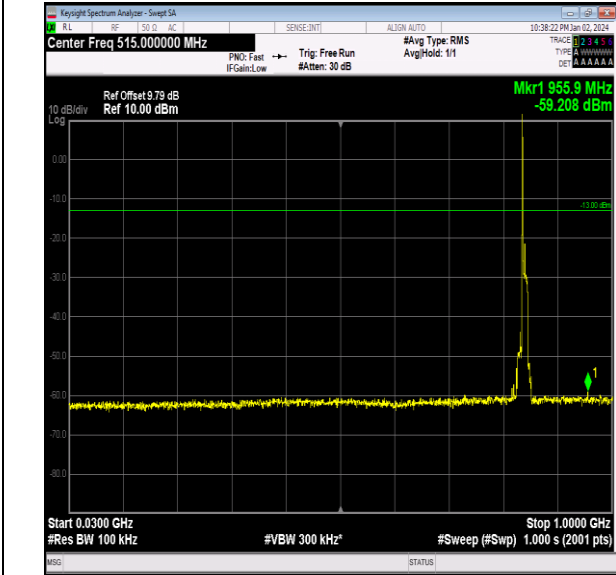
Band26_10MHz_QPSK_26915_1RB#0_1000~3000_1000
~3000

Band26_10MHz_QPSK_26915_1RB#0_3000~10000_3000
0~10000



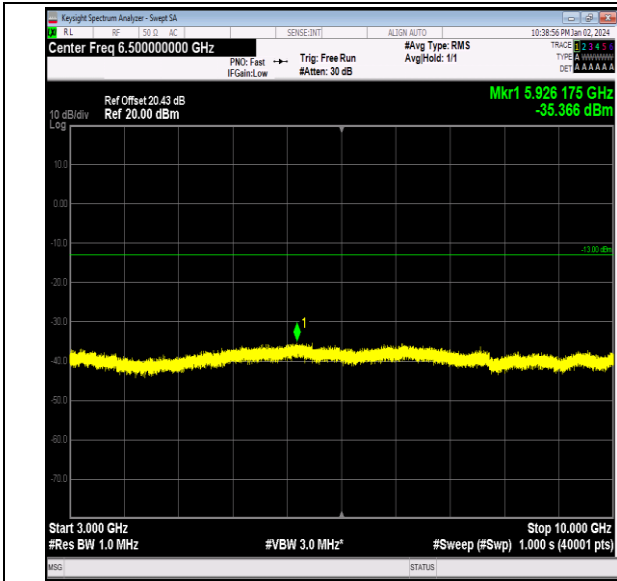
Band26_10MHz_QPSK_26990_1RB#0_0.009~0.15_0.009
 ~0.15

Band26_10MHz_QPSK_26990_1RB#0_0.15~30_0.15~30

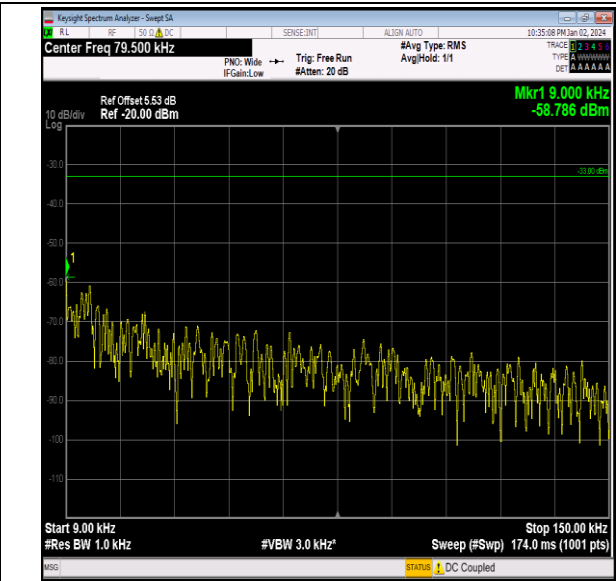


Band26_10MHz_QPSK_26990_1RB#0_30~1000_30~100
 0

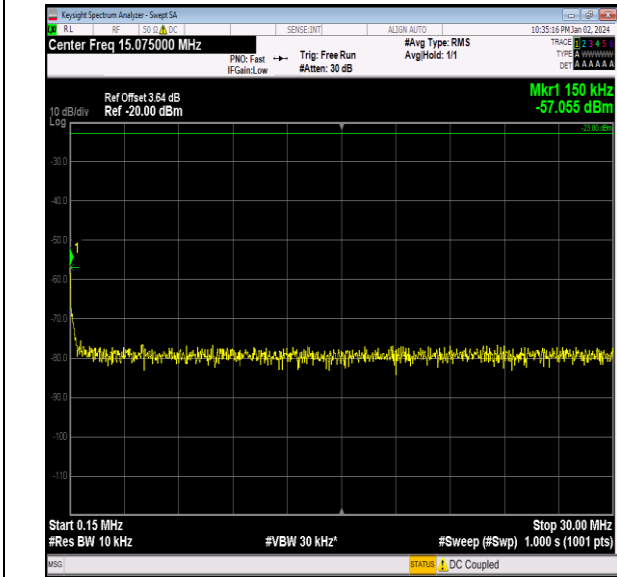
Band26_10MHz_QPSK_26990_1RB#0_1000~3000_1000
 ~3000



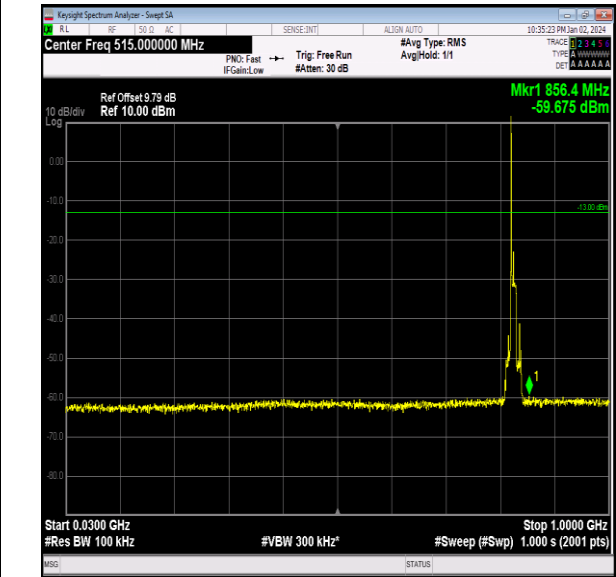
Band26_10MHz_QPSK_26990_1RB#0_3000~10000_300
 0~10000



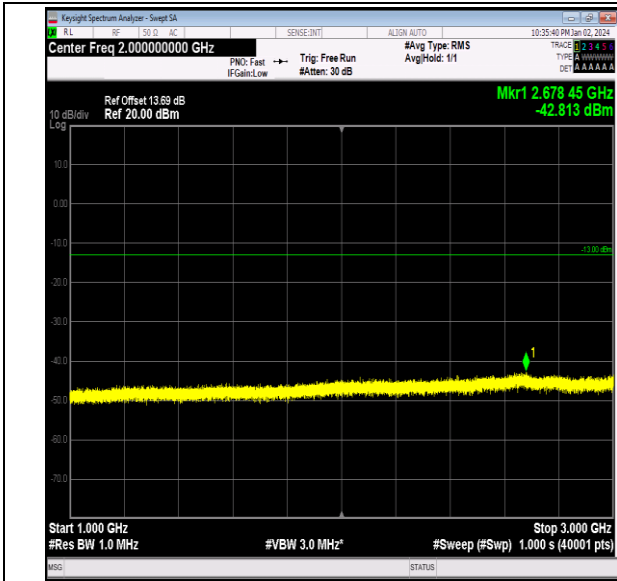
Band26_10MHz_16QAM_26840_1RB#0_0.009~0.15_0.00
 9~0.15



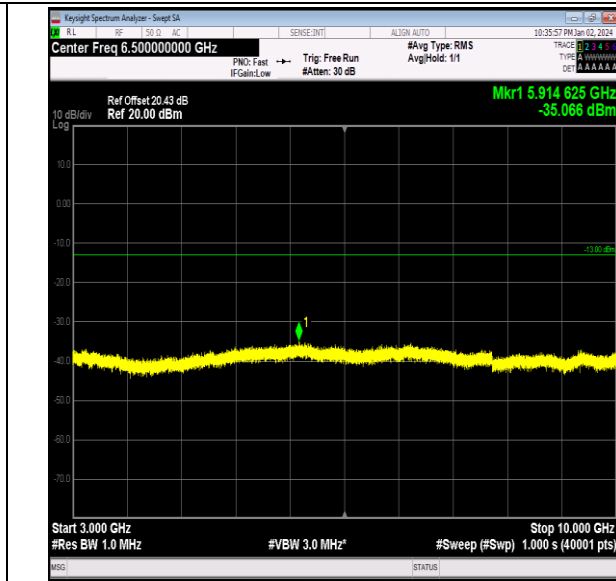
Band26_10MHz_16QAM_26840_1RB#0_0.15~30_0.15~3
 0



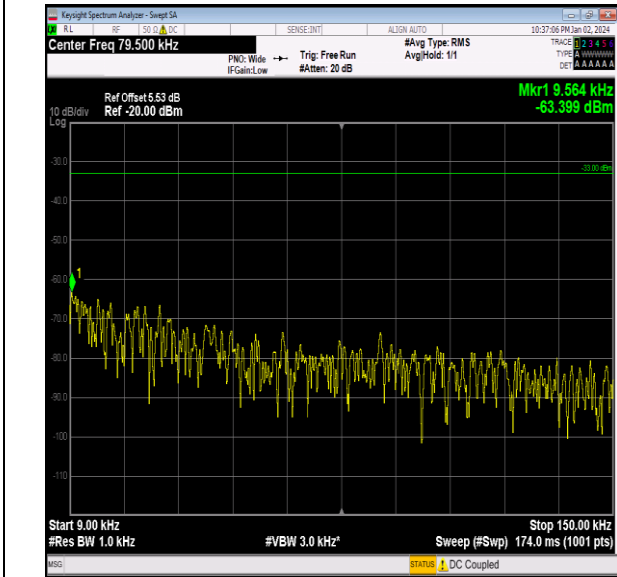
Band26_10MHz_16QAM_26840_1RB#0_30~1000_30~10
 00



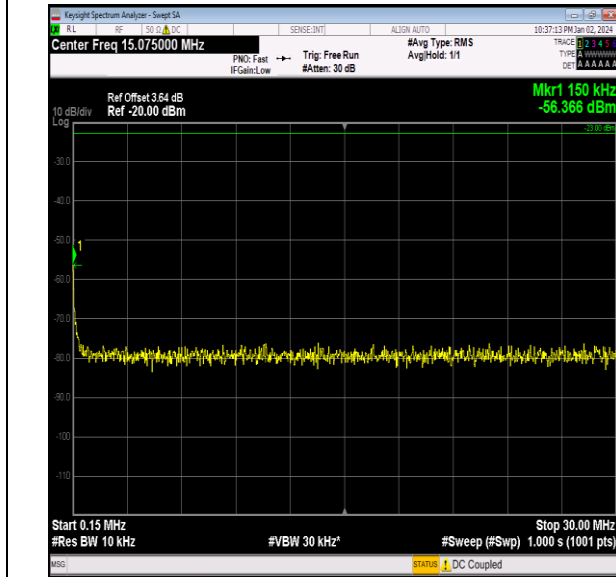
Band26_10MHz_16QAM_26840_1RB#0_1000~3000_100
 0~3000



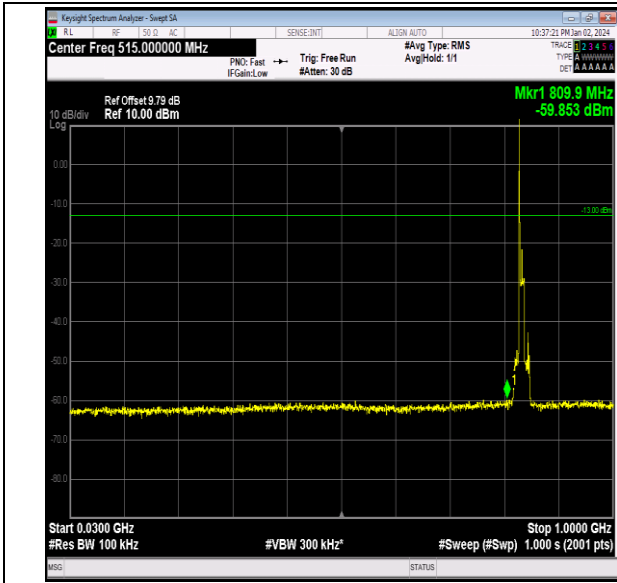
Band26_10MHz_16QAM_26840_1RB#0_3000~10000_30
 00~10000



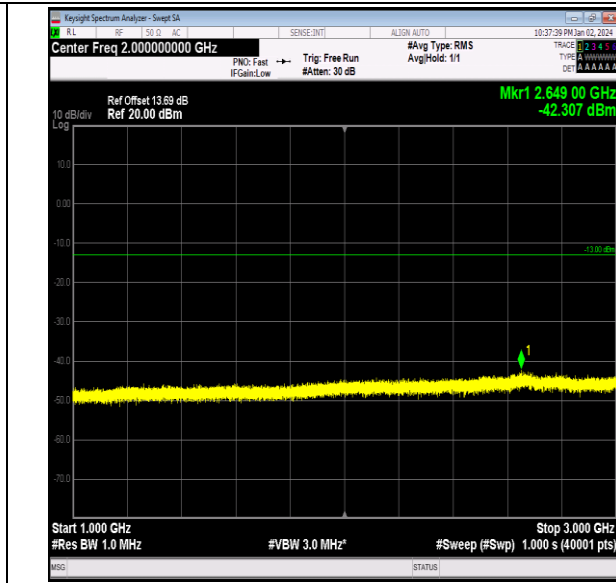
Band26_10MHz_16QAM_26915_1RB#0_0.009~0.15_0.00
 9~0.15



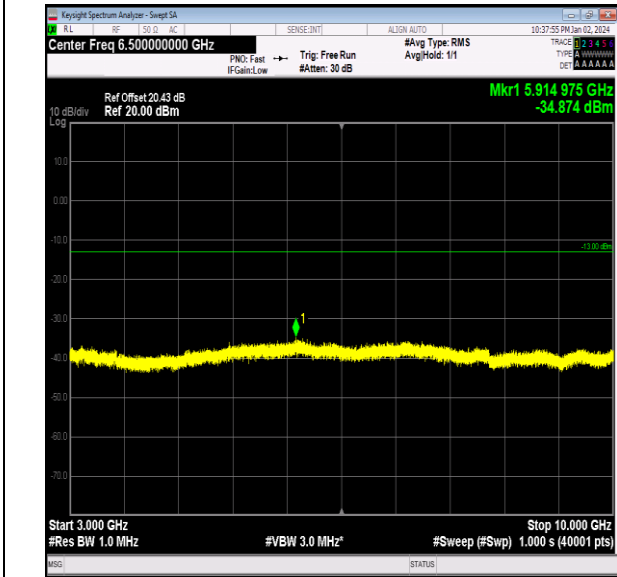
Band26_10MHz_16QAM_26915_1RB#0_0.15~30_0.15~3
 0



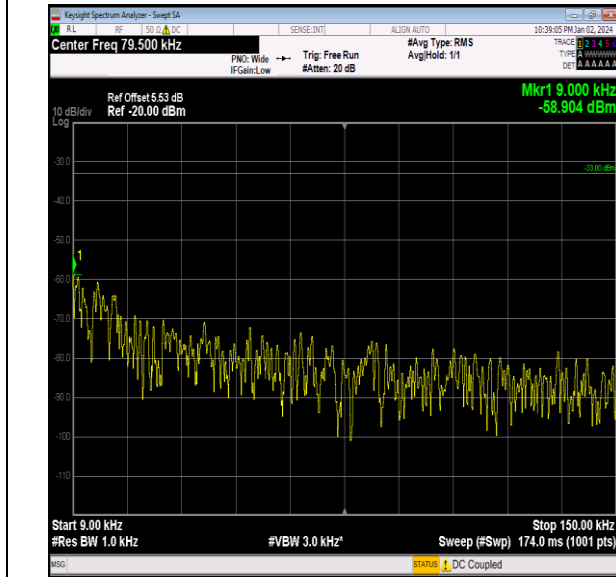
Band26_10MHz_16QAM_26915_1RB#0_30~1000_30~10
00



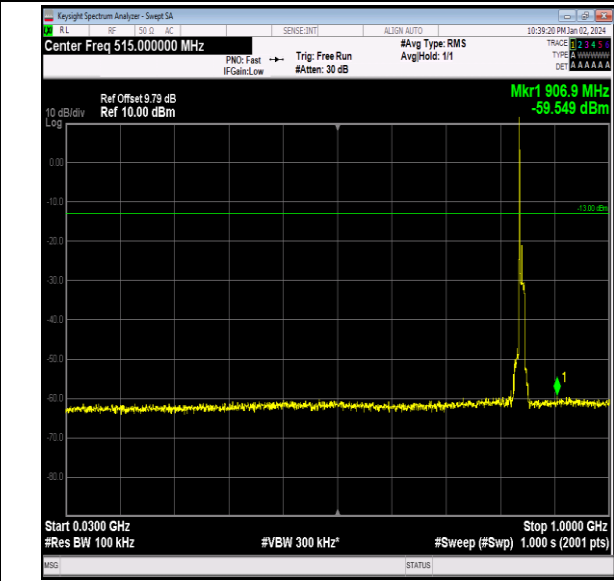
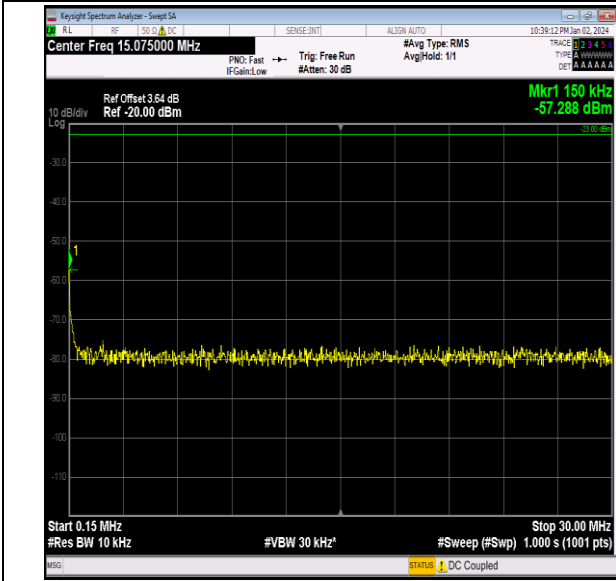
Band26_10MHz_16QAM_26915_1RB#0_1000~3000_100
0~3000



Band26_10MHz_16QAM_26915_1RB#0_3000~10000_30
00~10000

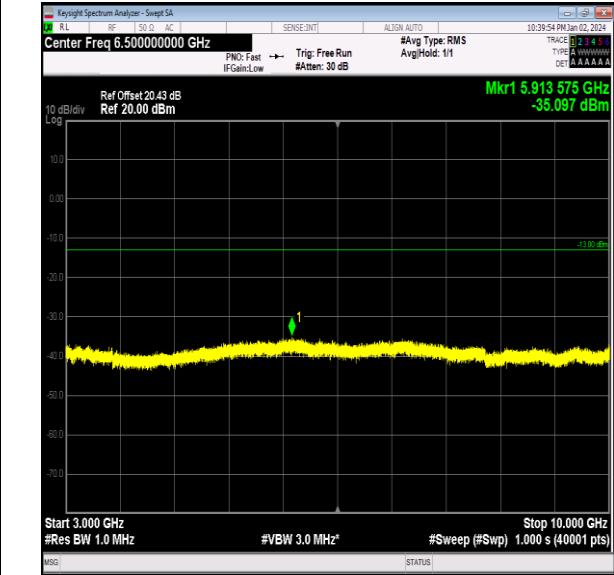
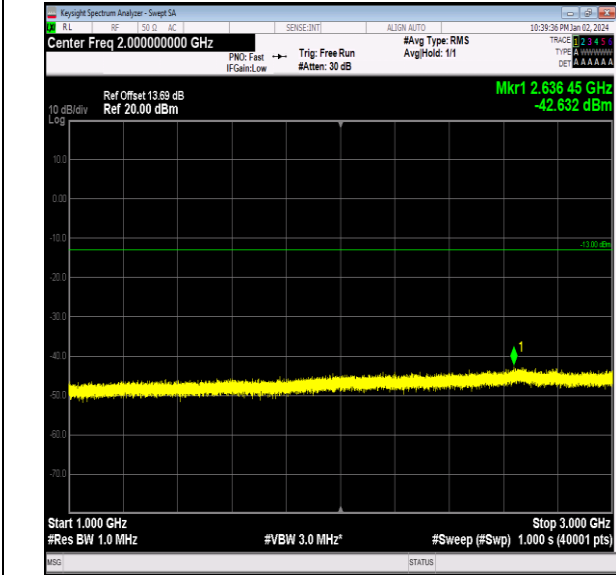


Band26_10MHz_16QAM_26990_1RB#0_0.009~0.15_0.00
9~0.15



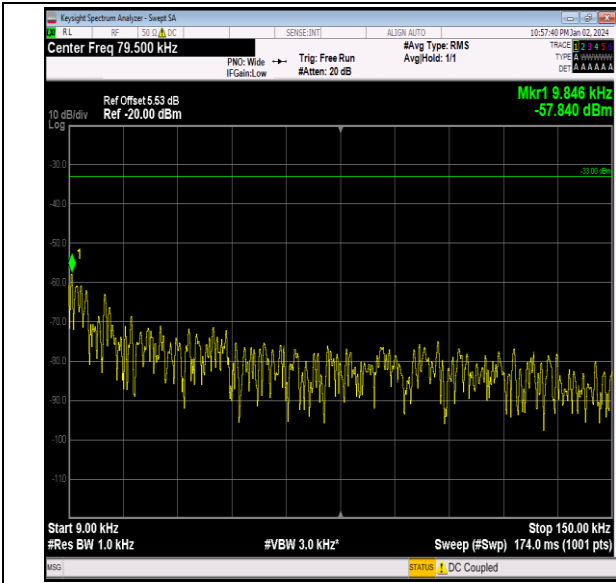
Band26_10MHz_16QAM_26990_1RB#0_0.15~30_0.15~3
0

Band26_10MHz_16QAM_26990_1RB#0_30~1000_30~10
00

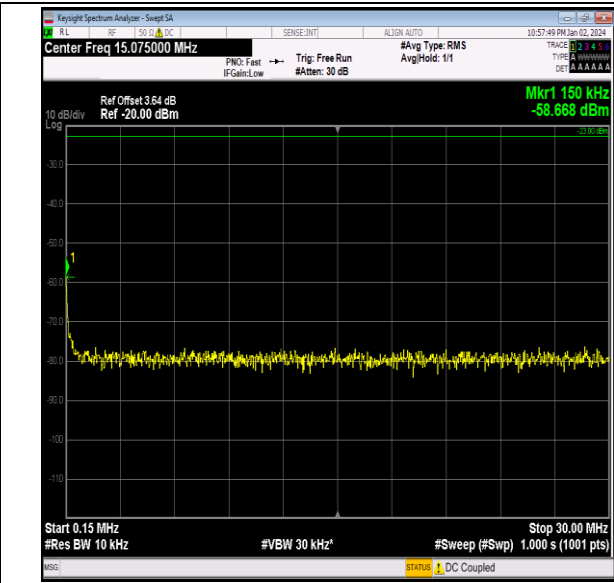


Band26_10MHz_16QAM_26990_1RB#0_1000~3000_100
0~3000

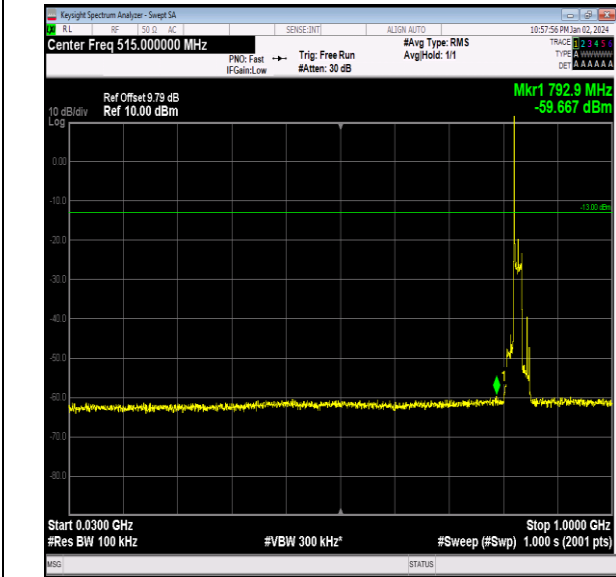
Band26_10MHz_16QAM_26990_1RB#0_3000~10000_30
00~10000



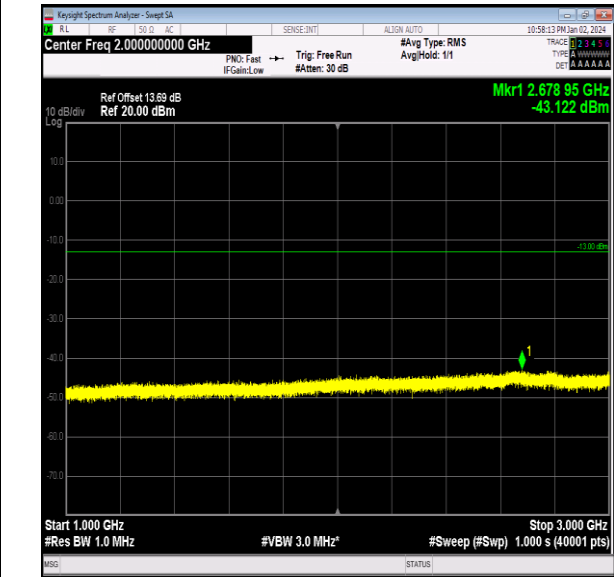
Band26_15MHz_QPSK_26865_1RB#0_0.009~0.15_0.009
~0.15



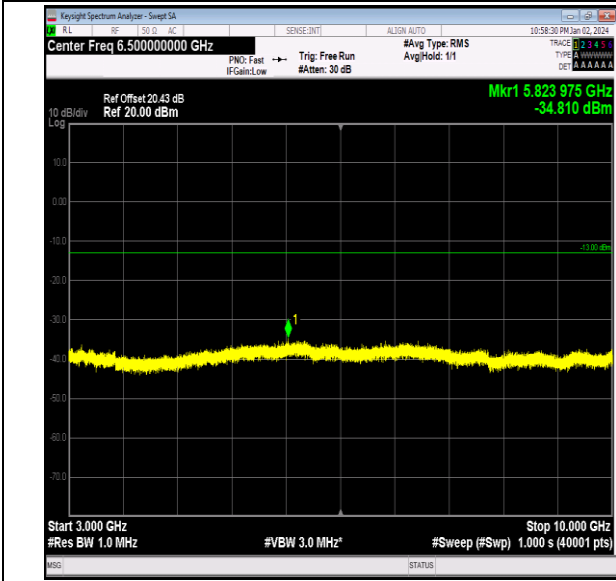
Band26_15MHz_QPSK_26865_1RB#0_0.15~30_0.15~30



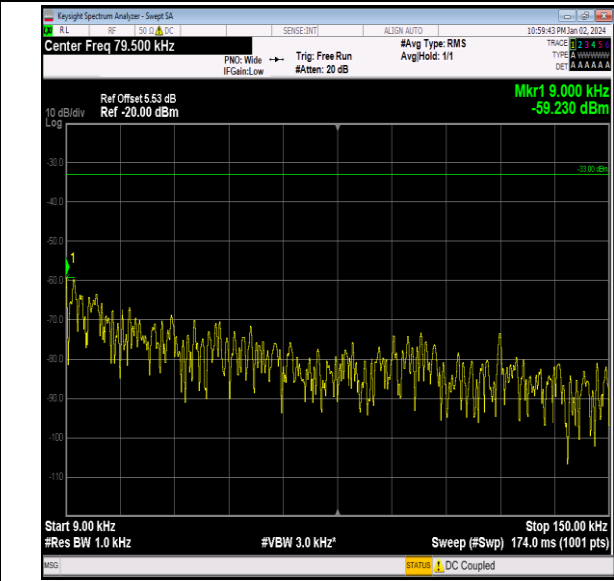
Band26_15MHz_QPSK_26865_1RB#0_30~1000_30~100
0



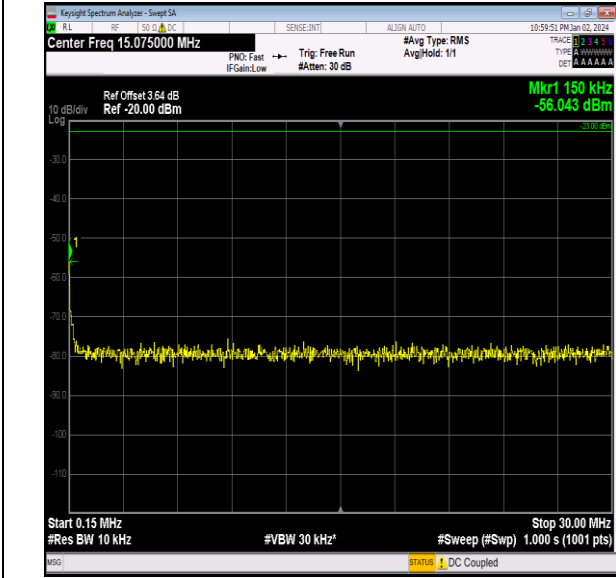
Band26_15MHz_QPSK_26865_1RB#0_1000~3000_1000
~3000



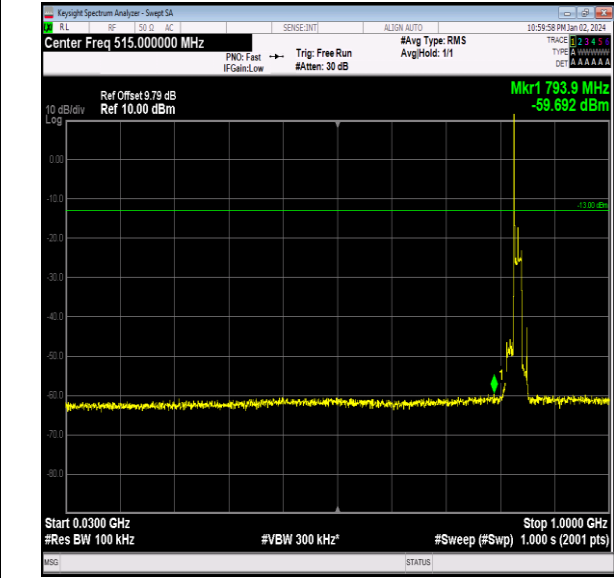
Band26_15MHz_QPSK_26865_1RB#0_3000~10000_300
0~10000



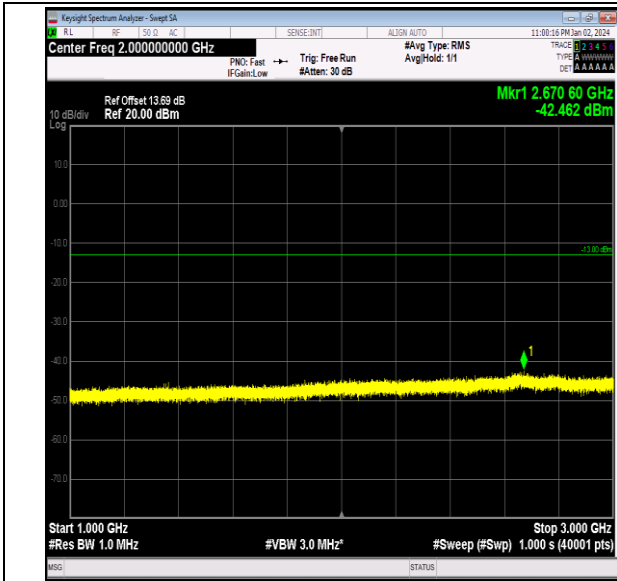
Band26_15MHz_QPSK_26915_1RB#0_0.009~0.15_0.009
~0.15



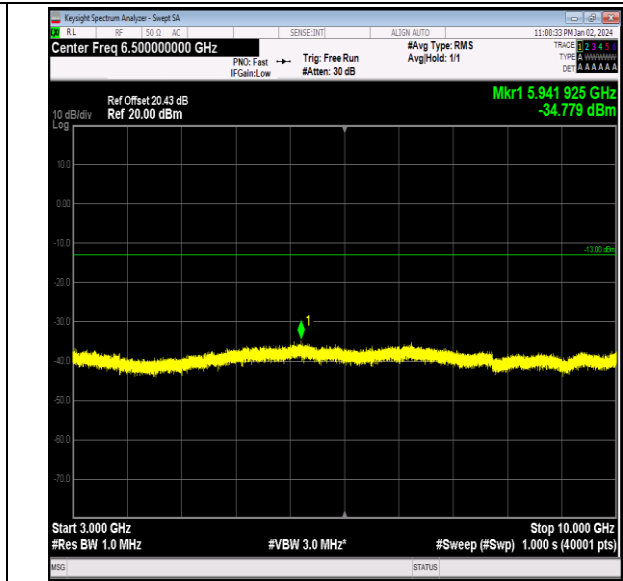
Band26_15MHz_QPSK_26915_1RB#0_0.15~30_0.15~30



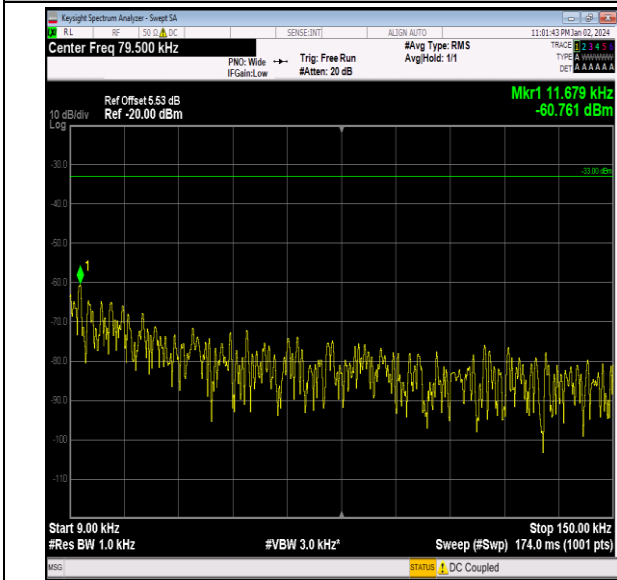
Band26_15MHz_QPSK_26915_1RB#0_30~1000_30~100
0



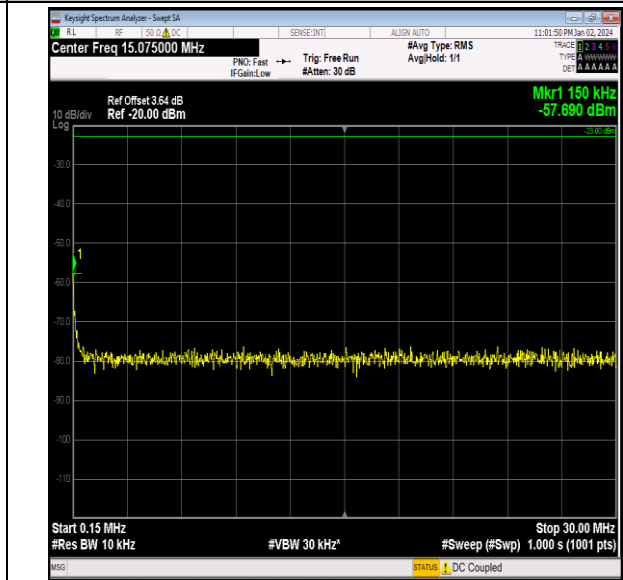
Band26_15MHz_QPSK_26915_1RB#0_1000~3000_1000
 ~3000



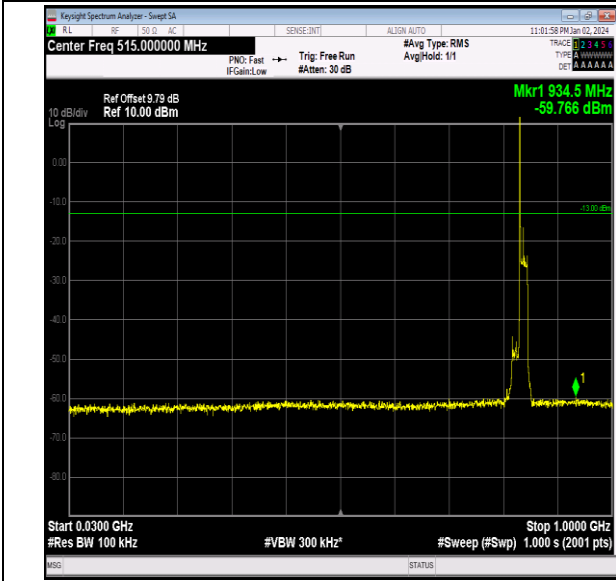
Band26_15MHz_QPSK_26915_1RB#0_3000~10000_300
 0~10000



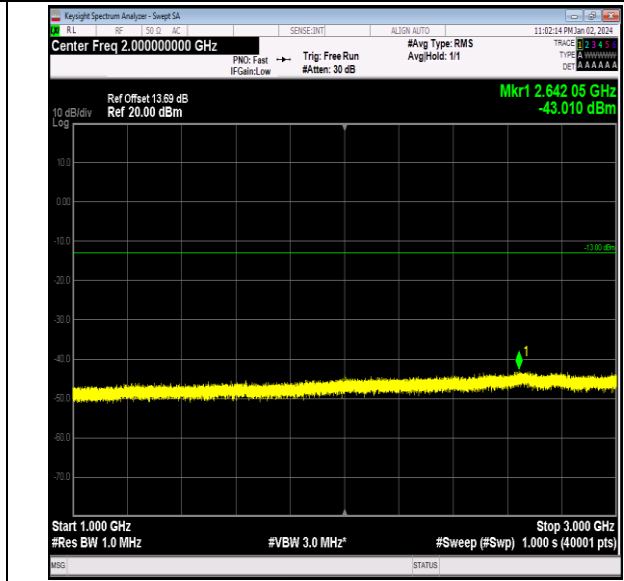
Band26_15MHz_QPSK_26965_1RB#0_0.009~0.15_0.009
 ~0.15



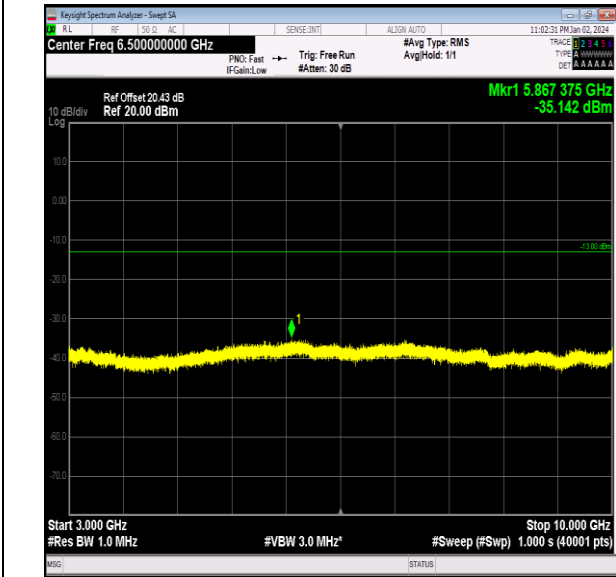
Band26_15MHz_QPSK_26965_1RB#0_0.15~30_0.15~30



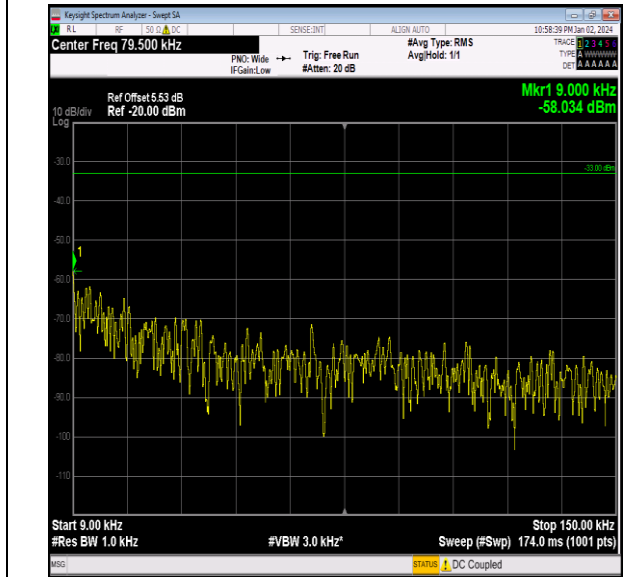
Band26_15MHz_QPSK_26965_1RB#0_30~1000_30~100
0



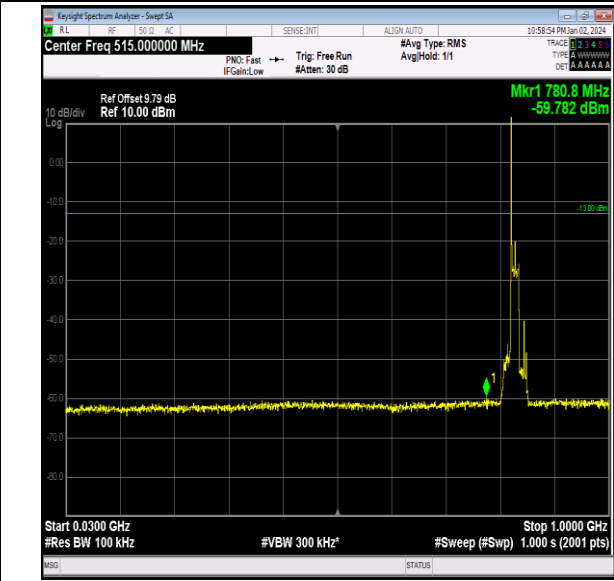
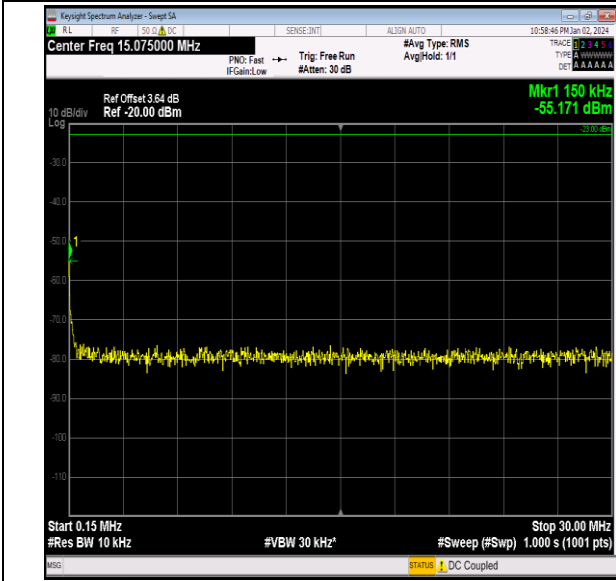
Band26_15MHz_QPSK_26965_1RB#0_1000~3000_1000
~3000



Band26_15MHz_QPSK_26965_1RB#0_3000~10000_300
0~10000

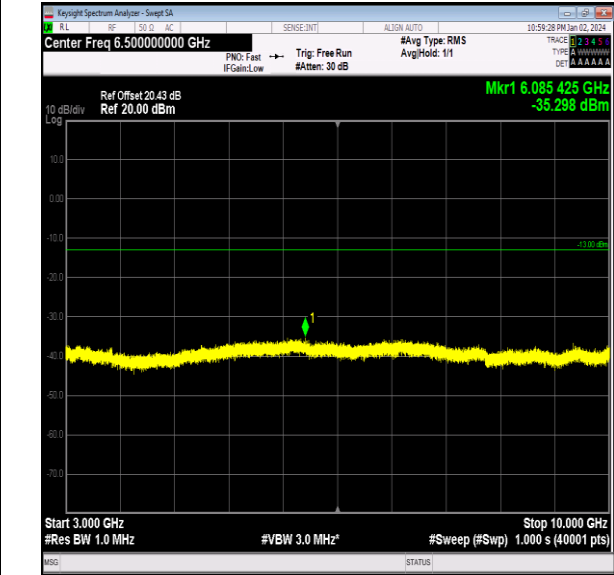
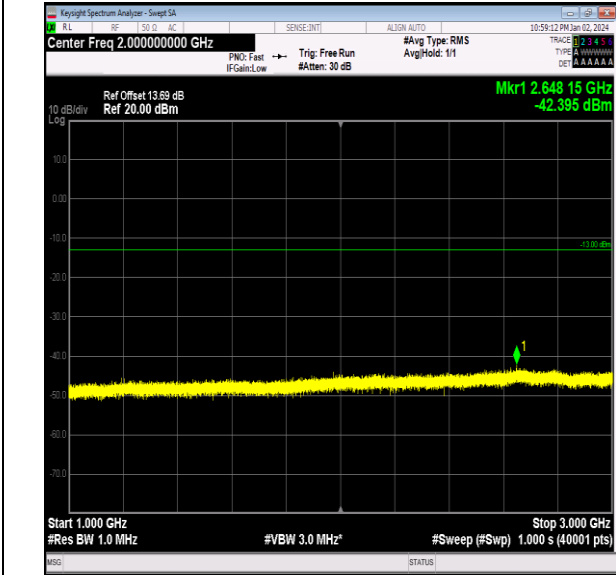


Band26_15MHz_16QAM_26865_1RB#0_0.009~0.15_0.00
9~0.15



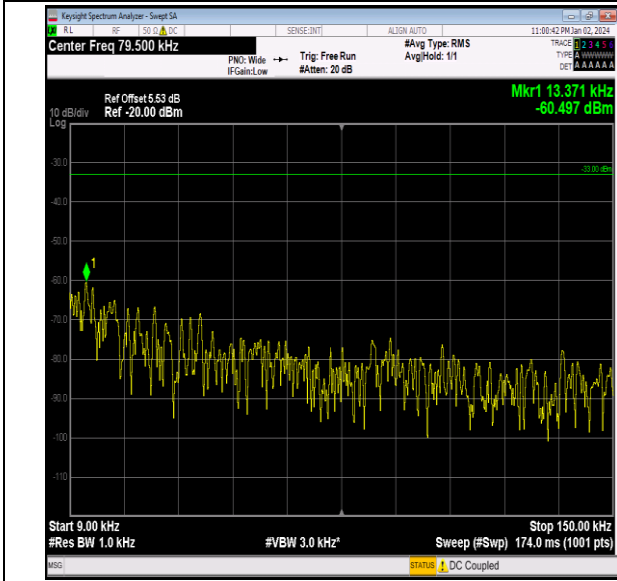
Band26_15MHz_16QAM_26865_1RB#0_0.15~30_0.15~3
0

Band26_15MHz_16QAM_26865_1RB#0_30~1000_30~10
00

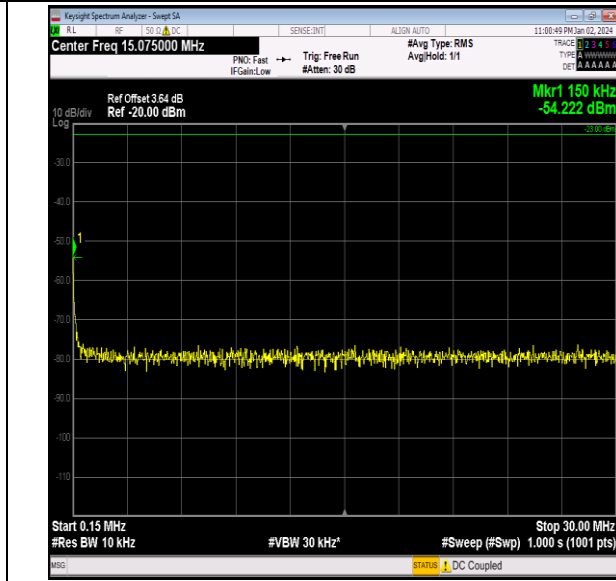


Band26_15MHz_16QAM_26865_1RB#0_1000~3000_100
0~3000

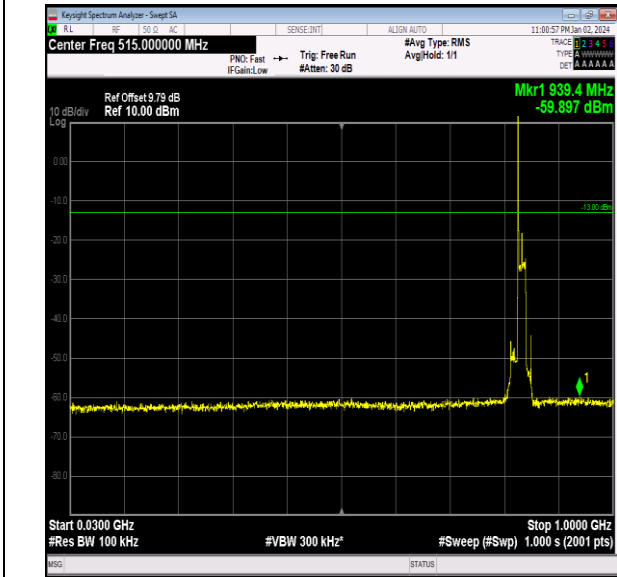
Band26_15MHz_16QAM_26865_1RB#0_3000~10000_30
00~10000



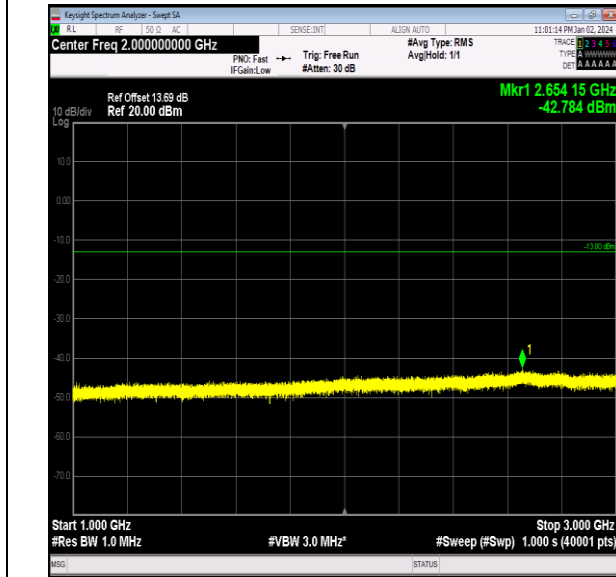
Band26_15MHz_16QAM_26915_1RB#0_0.009~0.15_0.00
 9~0.15



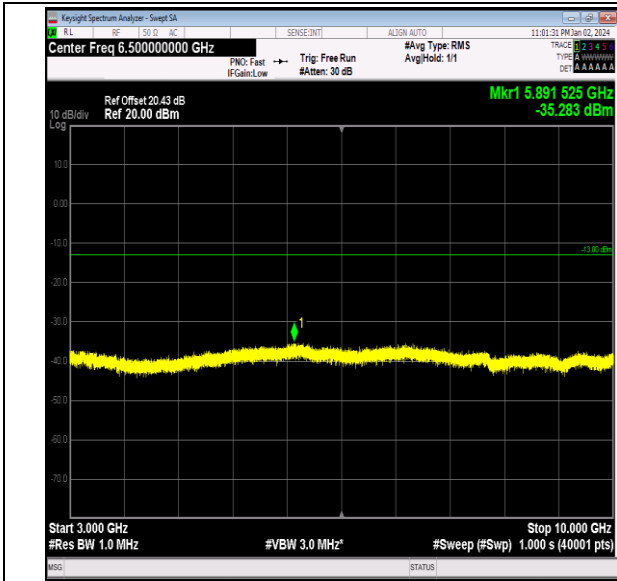
Band26_15MHz_16QAM_26915_1RB#0_0.15~30_0.15~3
 0



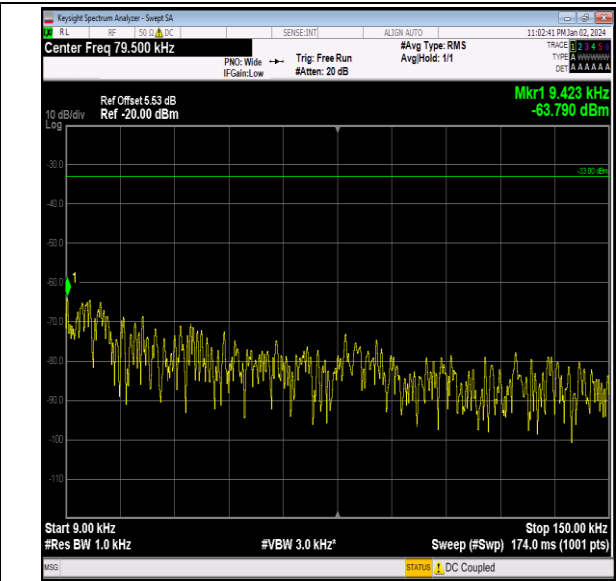
Band26_15MHz_16QAM_26915_1RB#0_30~1000_30~10
 00



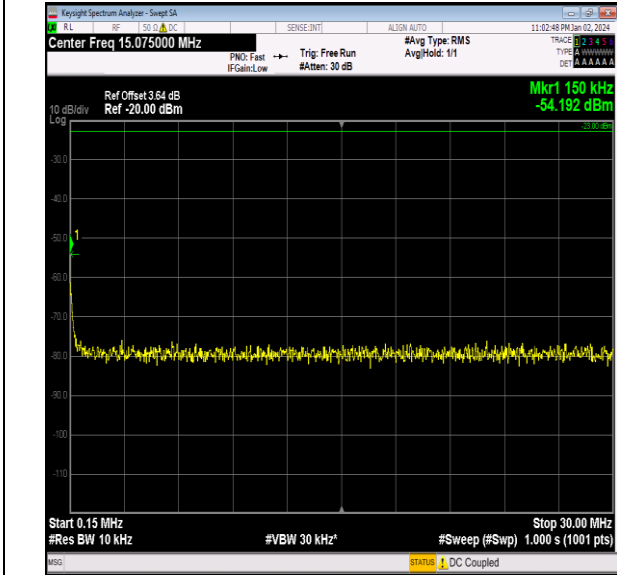
Band26_15MHz_16QAM_26915_1RB#0_1000~3000_100
 0~3000



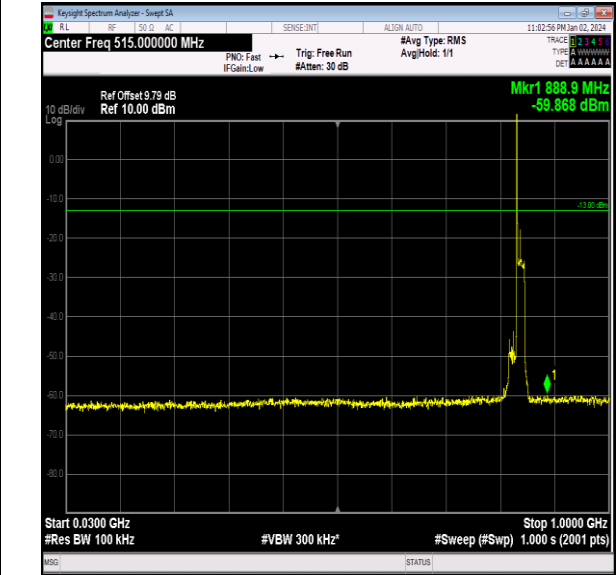
Band26_15MHz_16QAM_26915_1RB#0_3000~10000_30
 00~10000



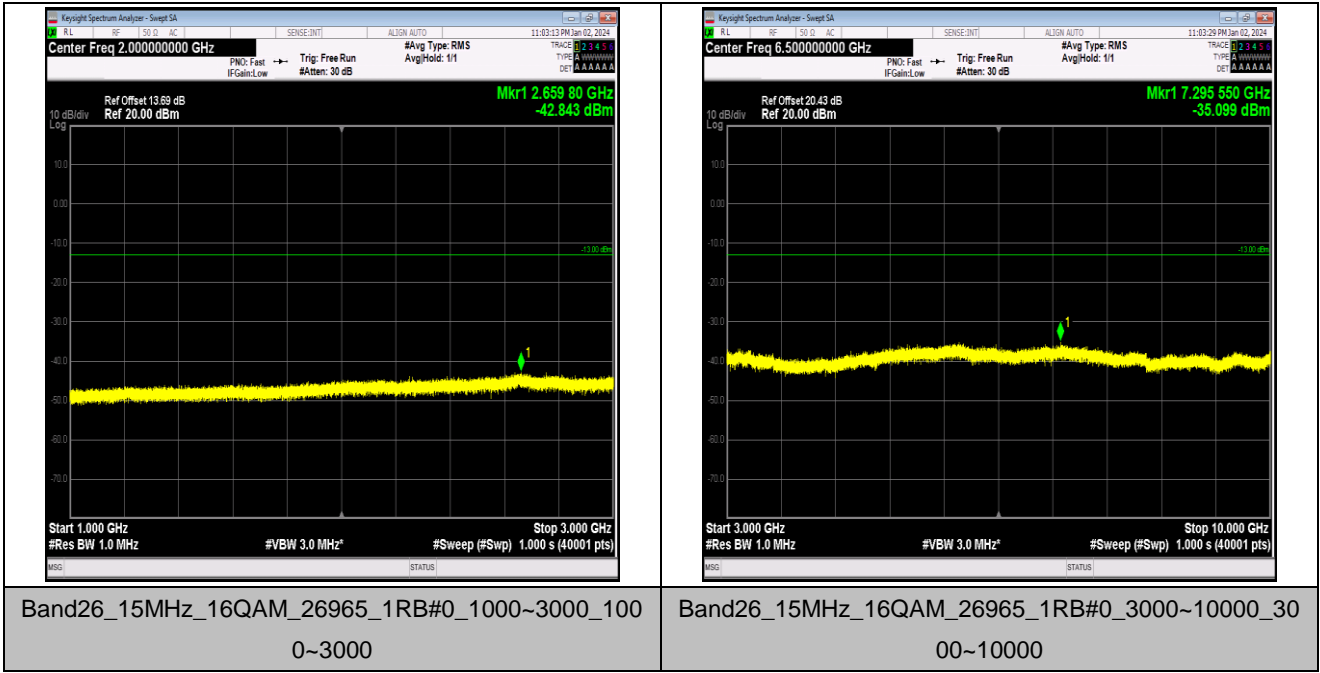
Band26_15MHz_16QAM_26965_1RB#0_0.009~0.15_0.00
 9~0.15



Band26_15MHz_16QAM_26965_1RB#0_0.15~30_0.15~3
 0



Band26_15MHz_16QAM_26965_1RB#0_30~1000_30~10
 00



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 (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
3.87	-30	-3.10	-0.003964	Within authorized band for Band 13	Pass
	-20	-8.41	-0.010754		
	-10	-5.35	-0.006841		
	0	2.26	0.002890		
	10	-8.35	-0.010678		
	20	-2.63	-0.003363		
	30	-7.51	-0.009604		
	40	-4.55	-0.005818		
	50	-3.29	-0.004207		
16QAM					
3.87	-30	-4.03	-0.005153	Within authorized band for Band 13	Pass
	-20	-6.28	-0.008031		
	-10	-5.01	-0.006407		
	0	-4.51	-0.005767		
	10	-4.94	-0.006317		
	20	-5.05	-0.006458		
	30	-5.97	-0.007634		
	40	-3.05	-0.003900		
	50	-5.22	-0.006675		

Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.45	-3.53	-0.004514	Within authorized band for Band 13	Pass
	3.87	-5.38	-0.006880		
	4.45	-4.26	-0.005448		
16QAM					
25	3.45	-7.58	-0.009693	Within authorized band for Band 13	Pass
	3.87	-3.62	-0.004629		
	4.45	-5.02	-0.006419		
<i>Remark: All bandwidth and all modulation had been tested, but only the worst case data displayed in this report.</i>					

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	-4.56	-0.005568	±2.5	Pass
	-20	3.06	0.003736		
	-10	-2.46	-0.003004		
	0	-4.59	-0.005604		
	10	-5.49	-0.006703		
	20	-5.78	-0.007057		
	30	-1.44	-0.001758		
	40	-5.05	-0.006166		
	50	-4.49	-0.005482		
16QAM					
3.87	-30	-6.65	-0.008120	±2.5	Pass
	-20	-2.35	-0.002869		
	-10	-4.15	-0.005067		
	0	-6.04	-0.007375		
	10	-6.42	-0.007839		
	20	-5.45	-0.006654		
	30	-3.60	-0.004396		
	40	-4.23	-0.005165		
	50	-2.76	-0.003370		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.45	-5.49	-0.006703	±2.5	Pass
	3.87	-4.65	-0.005678		
	4.45	-2.29	-0.002796		
16QAM					
25	3.45	-2.49	-0.003040	±2.5	Pass
	3.87	-4.02	-0.004908		
	4.45	-3.81	-0.004652		

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	-6.82	-0.008153	±2.5	Pass
	-20	-6.35	-0.007591		
	-10	-3.75	-0.004483		
	0	-3.75	-0.004483		
	10	-6.91	-0.008261		
	20	-4.48	-0.005356		
	30	-7.60	-0.009085		
	40	-3.56	-0.004256		
	50	-4.73	-0.005655		
16QAM					
3.87	-30	-5.51	-0.006587	±2.5	Pass
	-20	-2.63	-0.003144		
	-10	-3.38	-0.004041		
	0	-2.78	-0.003323		
	10	-7.82	-0.009348		
	20	-6.09	-0.007280		
	30	-5.72	-0.006838		
	40	-3.82	-0.004567		
	50	-7.31	-0.008739		
Voltage					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
QPSK					
25	3.45	3.58	0.004280	±2.5	Pass
	3.87	-2.92	-0.003491		
	4.45	-5.24	-0.006264		
16QAM					
25	3.45	-2.75	-0.003288	±2.5	Pass
	3.87	-6.81	-0.008141		
	4.45	-3.16	-0.003778		

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
Band26	10MHz	QPSK	26740	50RB#0	PASS	PASS
Band26	10MHz	16QAM	26740	50RB#0	PASS	PASS
Band26	15MHz	QPSK	26915	75RB#0	PASS	PASS
Band26	15MHz	16QAM	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

