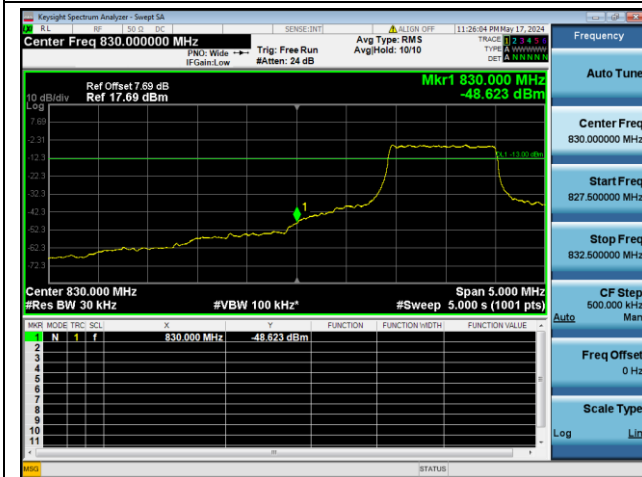
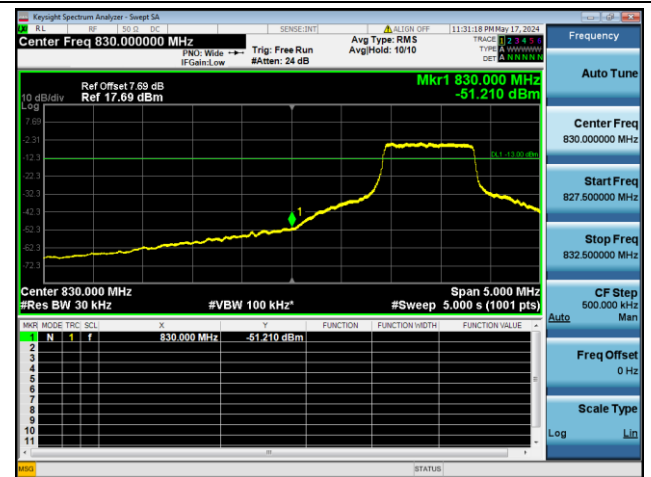


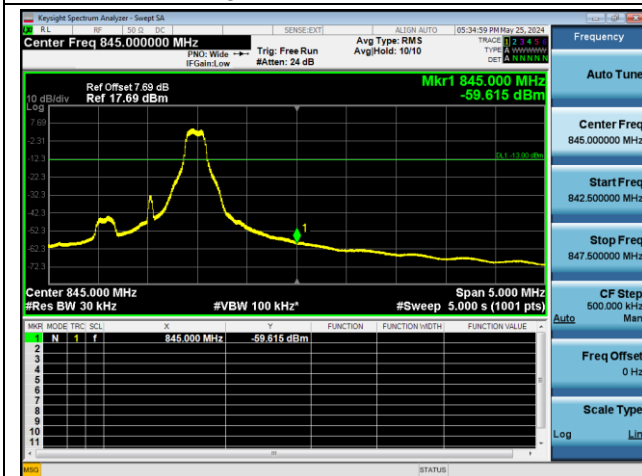
QPSK Low channel-6 RB offset 0



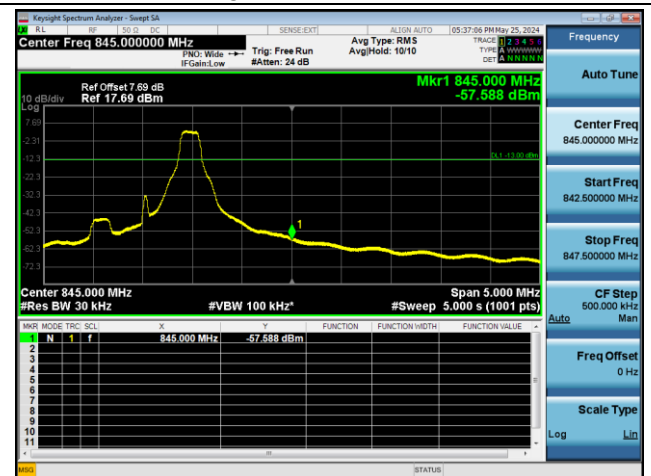
16QAM Low channel-5 RB offset 0



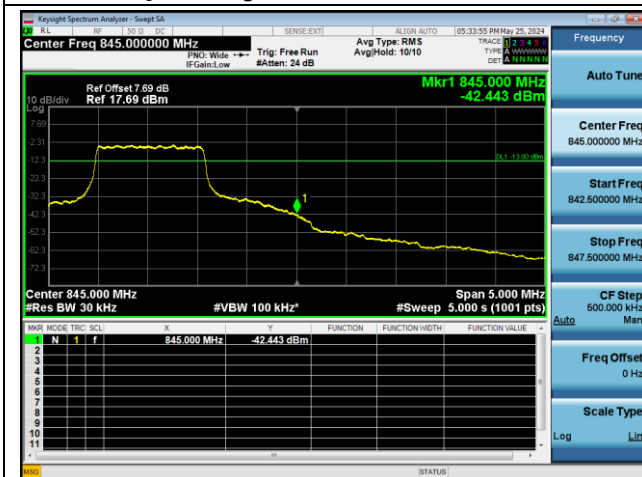
QPSK High channel-1 RB offset max



16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

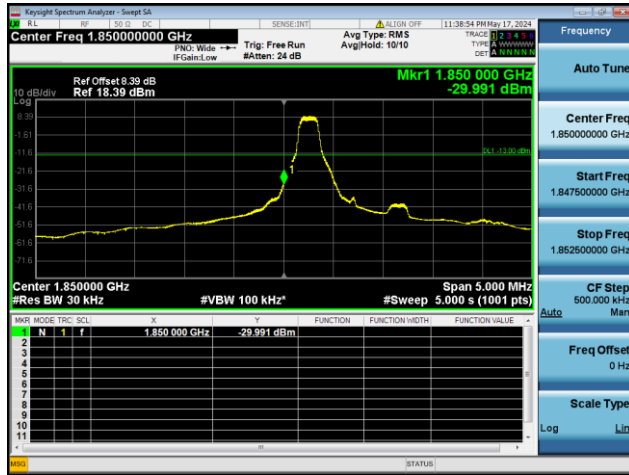


16QAM High channel-5 RB offset 0

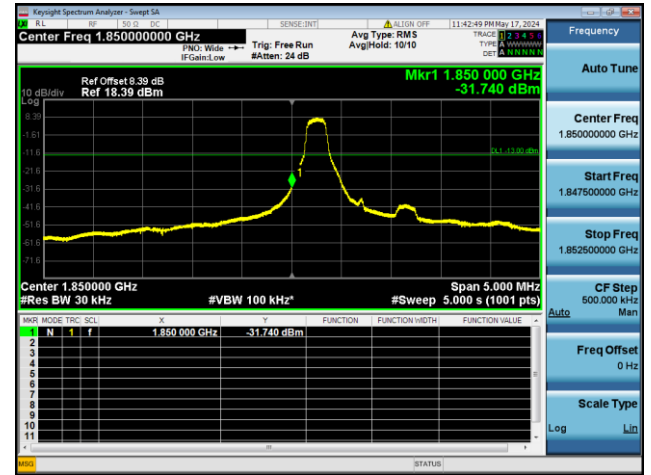


LTE FDD Band 25, Nominal Bandwidth: 1.4MHz

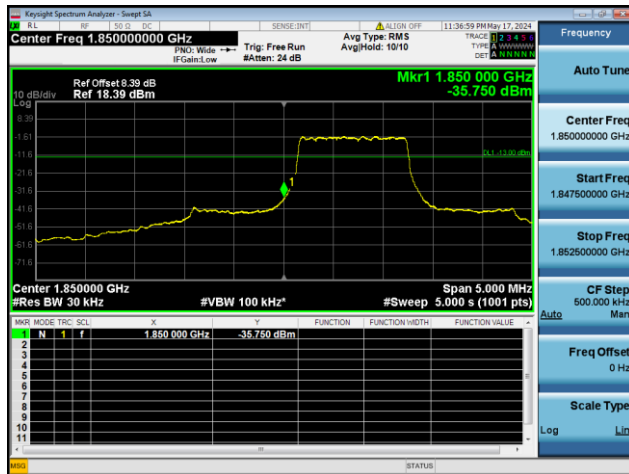
QPSK Low channel-1 RB offset 0



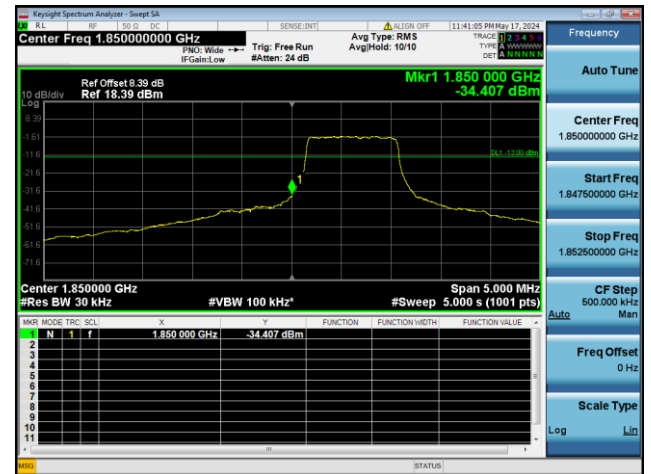
16QAM Low channel-1 RB offset 0



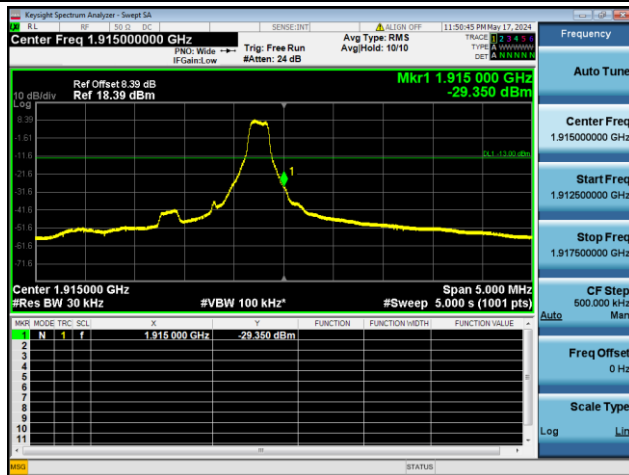
QPSK Low channel-6 RB offset 0



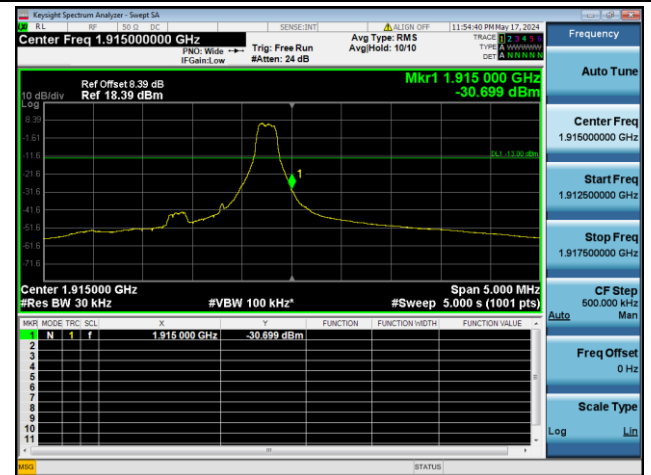
16QAM Low channel-5 RB offset 0



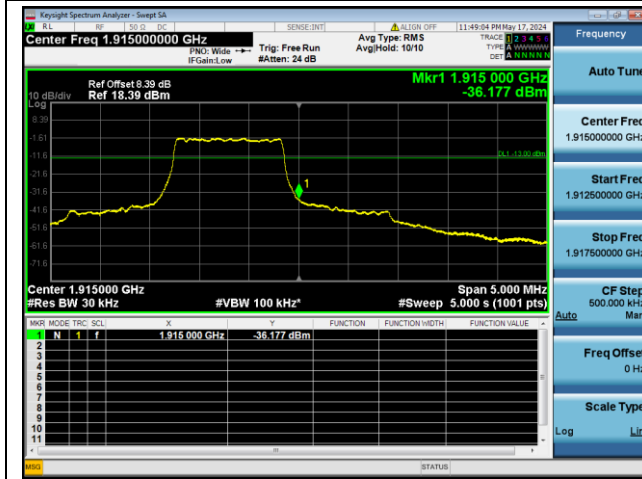
QPSK High channel-1 RB offset max



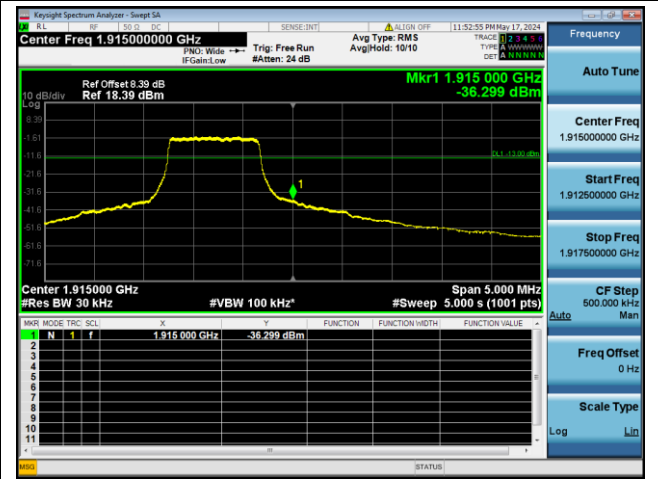
16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

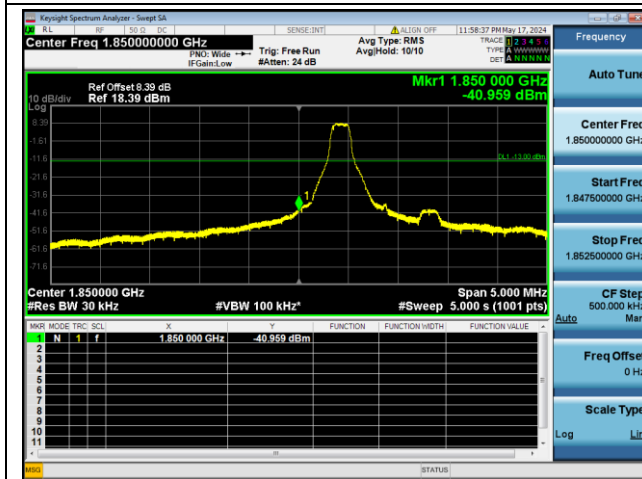


16QAM High channel-5 RB offset 0

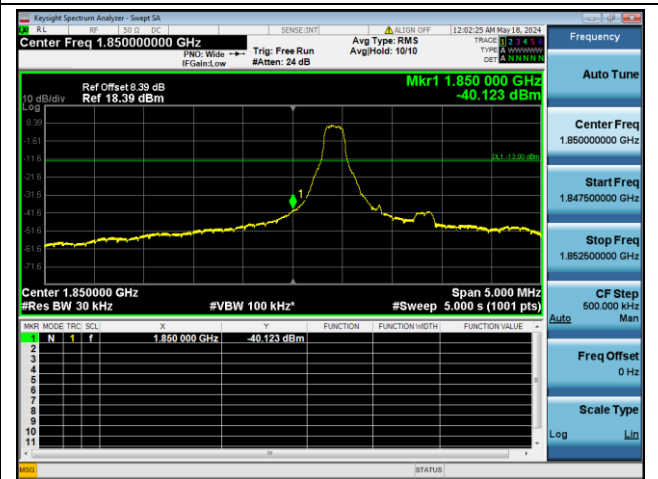


LTE FDD Band 25, Nominal Bandwidth: 3MHz

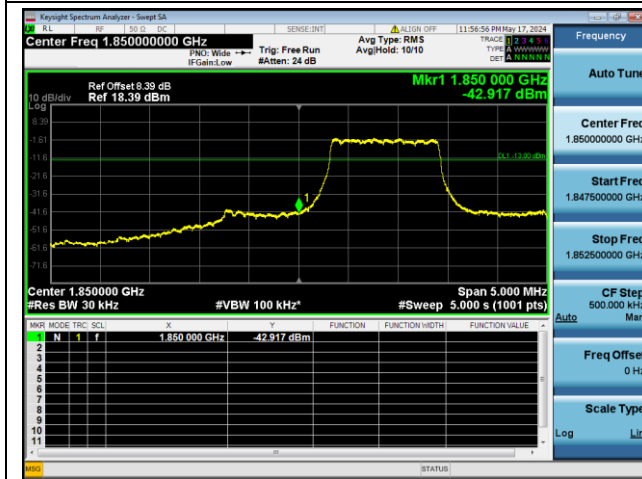
QPSK Low channel-1 RB offset 0



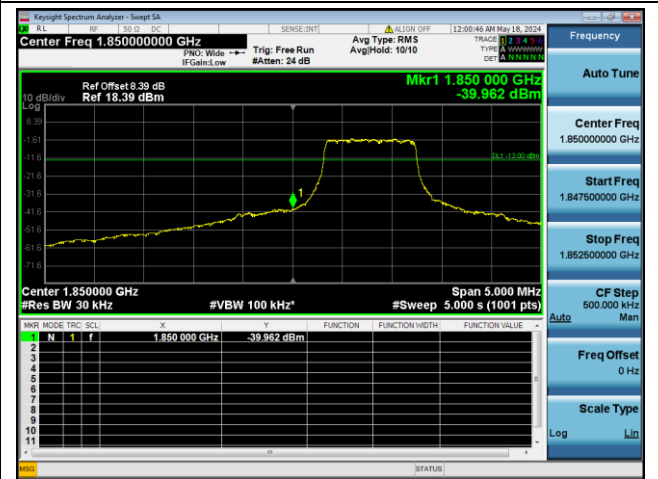
16QAM Low channel-1 RB offset 0



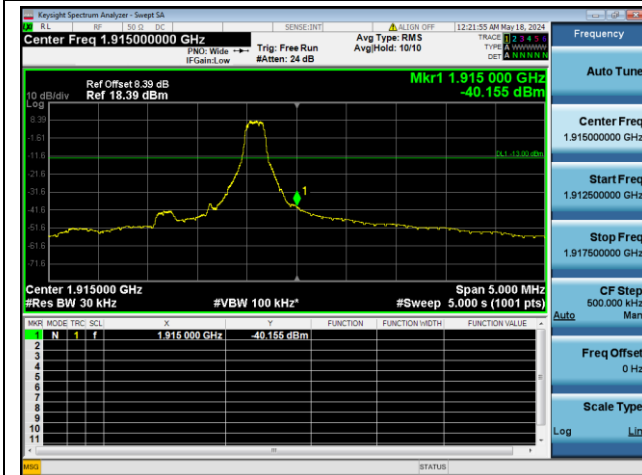
QPSK Low channel-6 RB offset 0



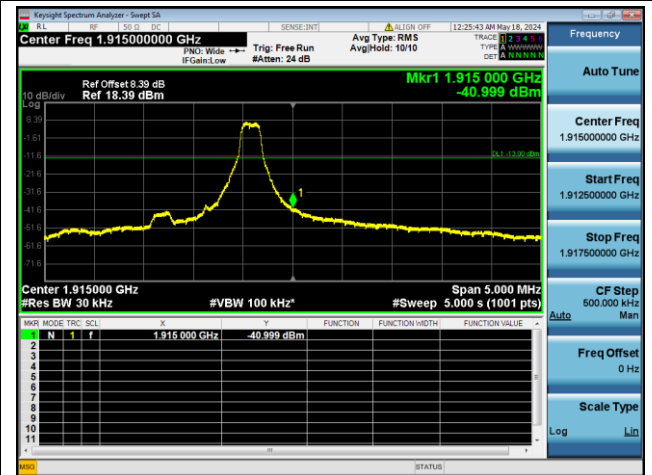
16QAM Low channel-5 RB offset 0



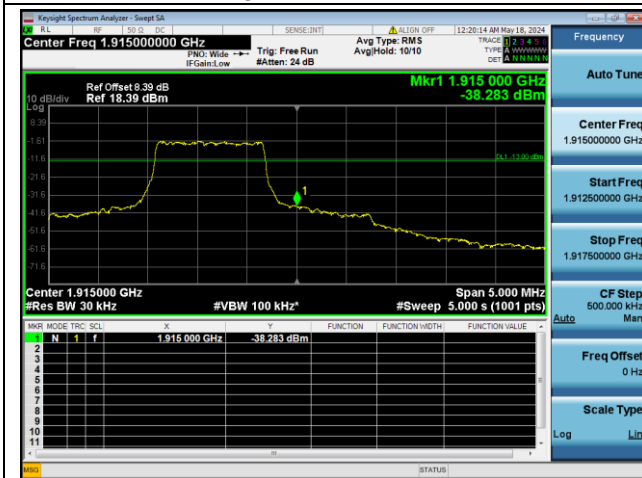
QPSK High channel-1 RB offset max



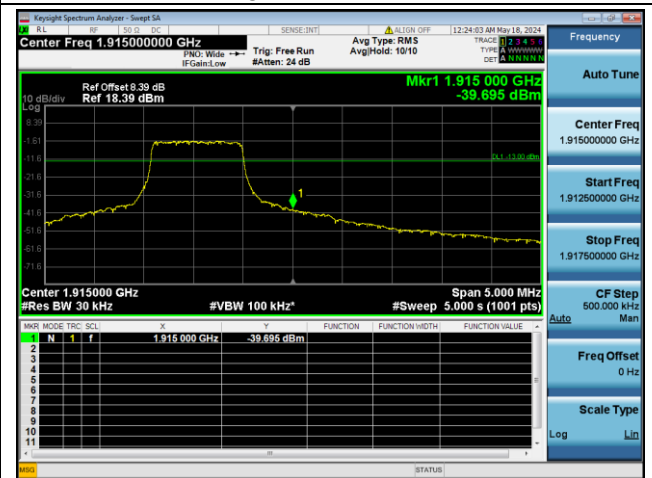
16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

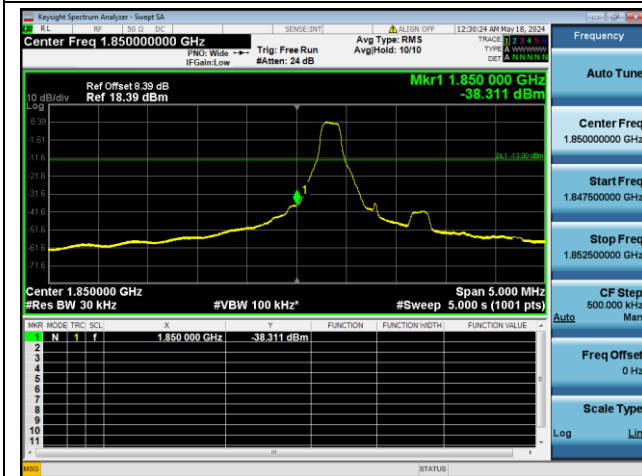


16QAM High channel-5 RB offset 0

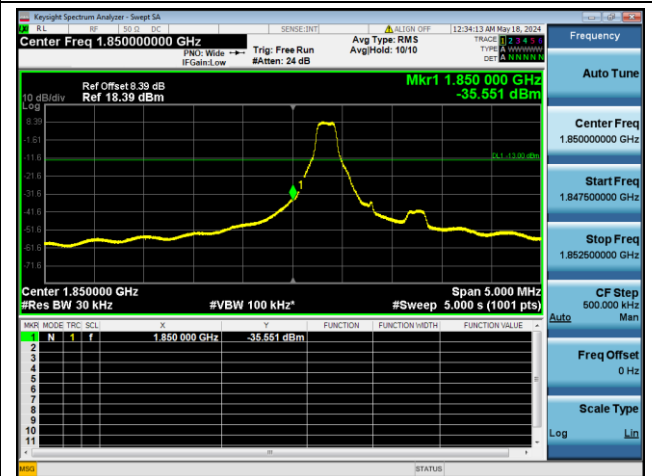


LTE FDD Band 25, Nominal Bandwidth: 5MHz

QPSK Low channel-1 RB offset 0



16QAM Low channel-1 RB offset 0



[illegible]

Keylight Spectrum Analyzer - Sweep 2/3

SENSE:INTI ALIGN OFF 12:32:33 AM May 18, 2024

Center Freq 1.850000000 GHz Avg Type: RMS Trace 0: 2, 3, 5, 7, 9
 PNO: Wide → Trig: Free Run AvgHold: 10/10 Type: HHHHHH
 IF Gain: Low #Atten: 24 dB Det: 100000

Ref Offset 8.39 dB Ref 18.39 dBm Mkr1 1.850 000 GHz -30.027 dBm

10 dB/div

Center 1.850000 GHz Span 5.000 MHz
 #Res BW 30 kHz #VBW 100 kHz* #Sweep 5.000 s (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.850000 GHz	-30.027 dBm			

Frequency Auto Tune Center Freq 1.850000000 GHz Start Freq 1.847500000 GHz Stop Freq 1.852500000 GHz CF Step 600.000 kHz Auto Mm Freq Offset 0 Hz Scale Type Log Lin

[illegible]

Keylight Spectrum Analyzer - Sweep 2A

SENSE:INTI ALIGN OFF 12:45:47 AM May 18, 2024

Center Freq 1.915000000 GHz PNO: Wds → Trig: Free Run Avg Type: RMS TRACE 1 2 3 4 5 6 7
 IF Gain: Low #Atten: 24 dB Avg/Hold: 10/10 Type 1 HHHHHH
 DET 1 100000

Ref Offset 8.39 dB Ref 18.39 dBm Mkr1 1.915 000 GHz
 -36.031 dBm

10 dB/div 10.0 9.9 1.51 1.0 0.5 0.0 -0.5 -1.0 -1.5 -2.0 -2.5 -3.0 -3.5 -4.0 -4.5 -5.0 -5.5 -6.0 -6.5 -7.0

Center 1.915000 GHz Span 5.000 MHz
 #Res BW 30 kHz #VBW 100 kHz* #Sweep 5.000 s (1001 pts)

MRK	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.915 000 GHz	-36.031 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency Auto Tune Center Freq 1.915000000 GHz Start Freq 1.912500000 GHz Stop Freq 1.917500000 GHz CF Step 500.000 kHz Auto Mm Frequency Offset 0 Hz Scale Type Log Lin

Keysight Spectrum Analyzer - Swept SA

12:40:18 AM Nov 18, 2024

SENSE (INT)

ALISON_CSP

Center Freq 1.915000000 GHz

Ref Offset 8.39 dB

Ref 18.39 dBm

PNO: Wide --> IF Gain: Low

Trig: Free Run #Atten: 24 dB

Avg Type: RMS Avg/Hold: 10/10

Mkr1 1.915 GHz -39.550 dBm

10 dB/div

Log

Center 1.915000 GHz

#Res BW 30 kHz

#VBW 100 kHz*

Span 5.000 MHz

#Sweep 5.000 s (1001 pts)

Marker 1: 1.915 GHz, -39.550 dBm

MARK	MODE	TRIG	SCN	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.915000 GHz	-39.550 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq 1.915000000 GHz

Start Freq 1.912500000 GHz

Stop Freq 1.917500000 GHz

CF Stop 5.000 kHz

Man

Auto

Freq Offset 0 Hz

Scale Type

Log Lin

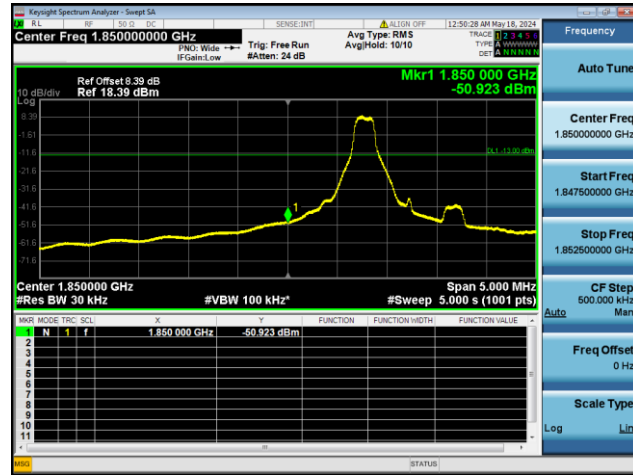
9999

(STATUS)

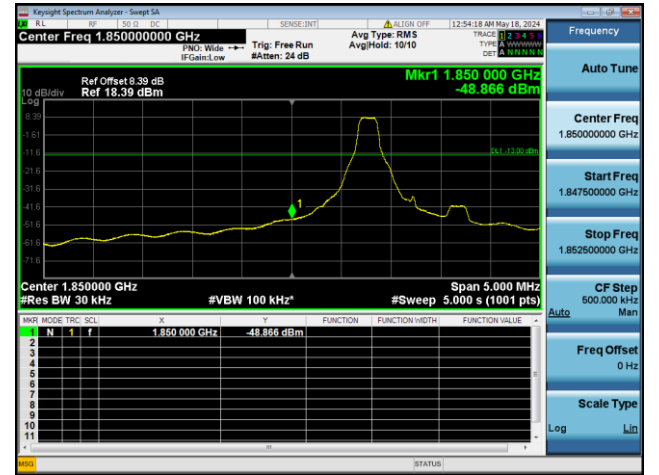
The screenshot displays the Keysight Spectrum Analyzer interface. The main plot shows a signal spectrum with a peak labeled 'Mkr1' at 1.915 000 GHz and -36.759 dBm. The reference level is set to Ref Offset 8.39 dB and Ref 18.39 dBm. The frequency range is from 1.9145 MHz to 1.9155 MHz, with a span of 5.000 MHz. The resolution bandwidth (Res BW) is 30 kHz, and the video bandwidth (VBW) is 100 kHz. The sweep time is 5.000 s (1001 pts). The interface includes various control panels for settings like Center Freq, Span, Res BW, VBW, Sweep, and Reference Level.

LTE FDD Band 25, Nominal Bandwidth: 10MHz

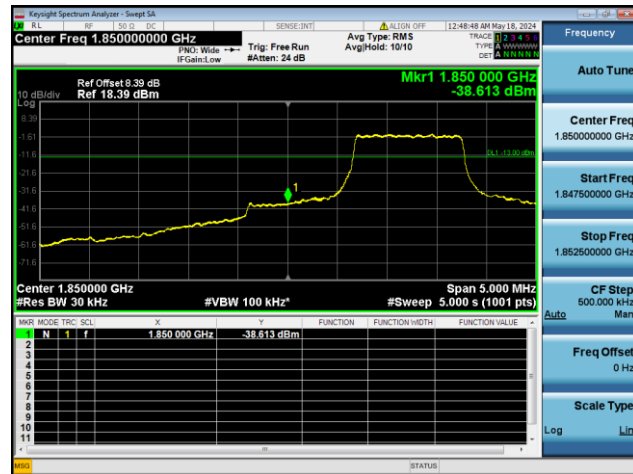
QPSK Low channel-1 RB offset 0



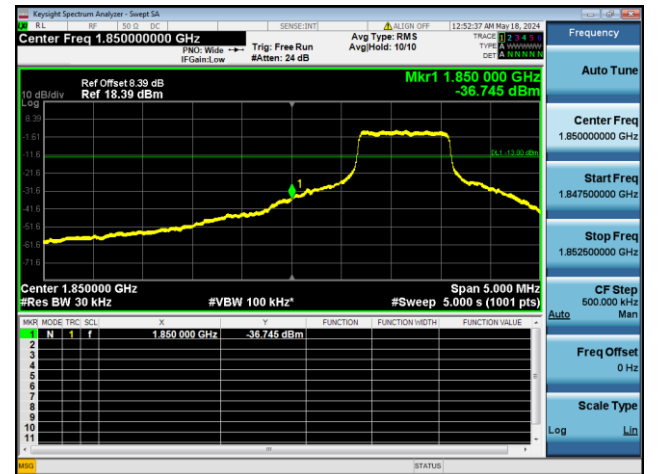
16QAM Low channel-1 RB offset 0



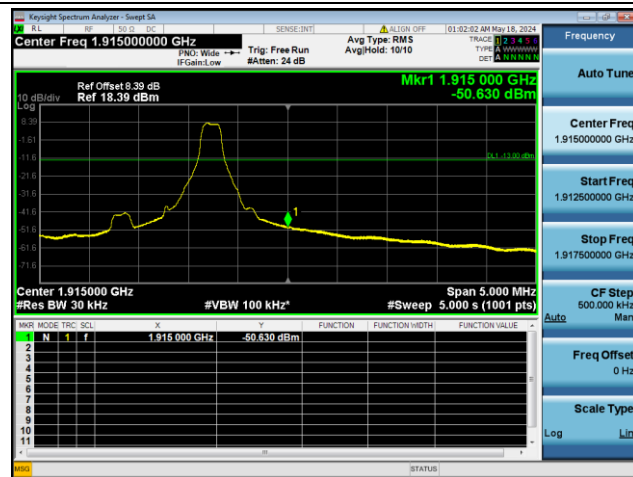
QPSK Low channel-6 RB offset 0



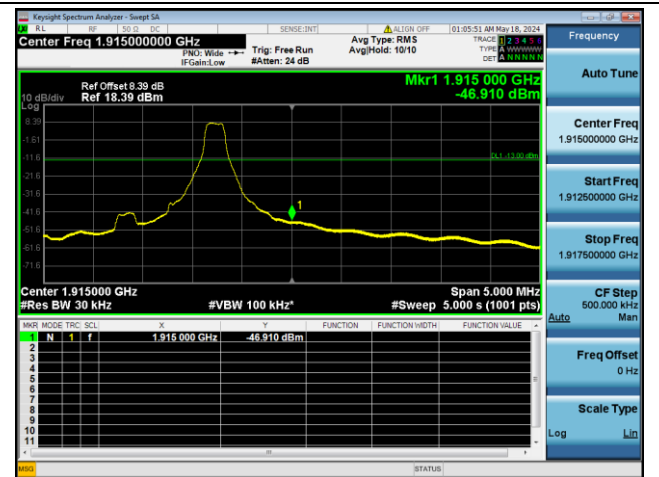
16QAM Low channel-5 RB offset 0



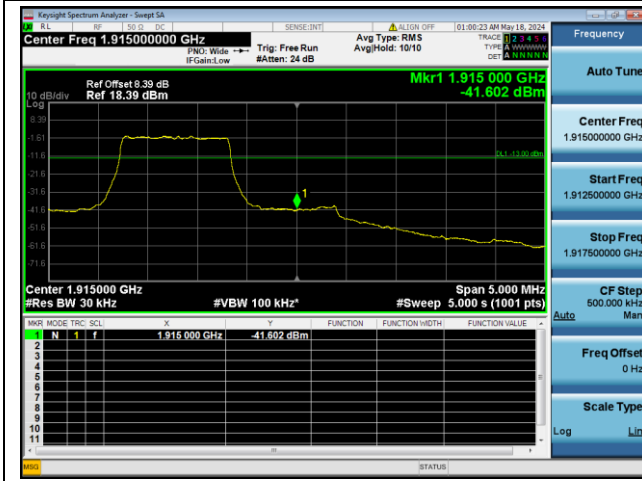
QPSK High channel-1 RB offset max



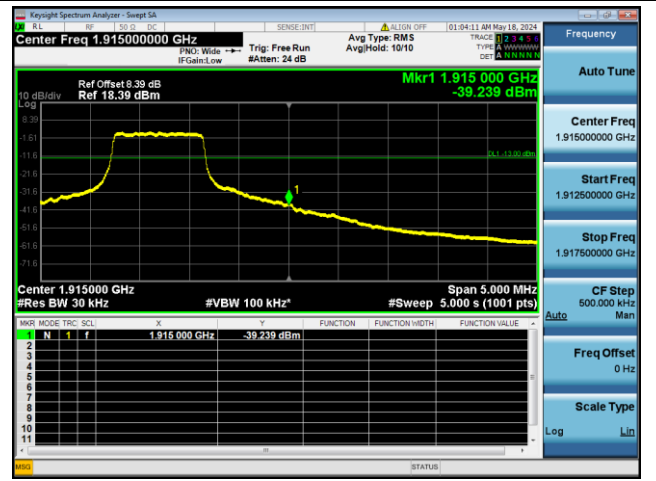
16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

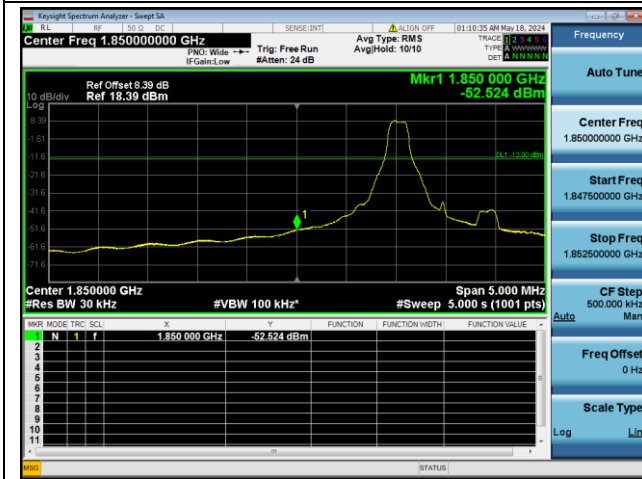


16QAM High channel-5 RB offset 0

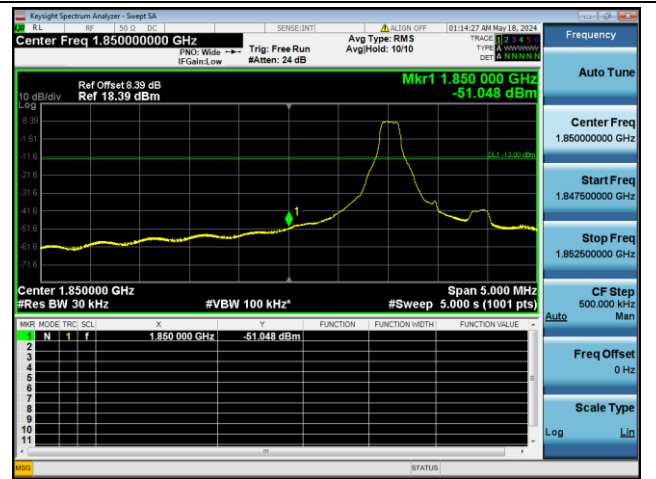


LTE FDD Band 25, Nominal Bandwidth: 15MHz

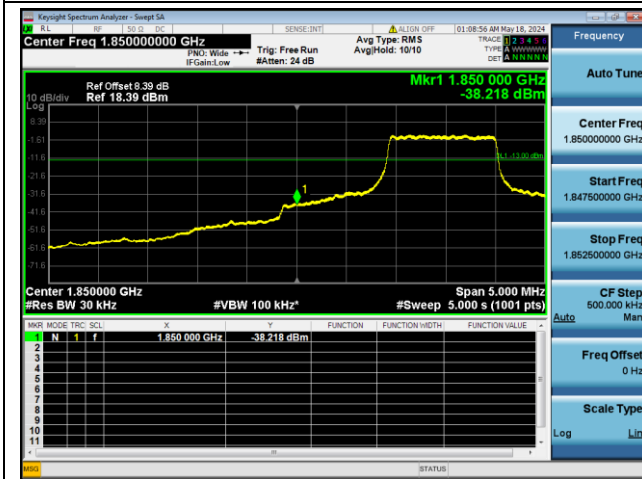
QPSK Low channel-1 RB offset 0



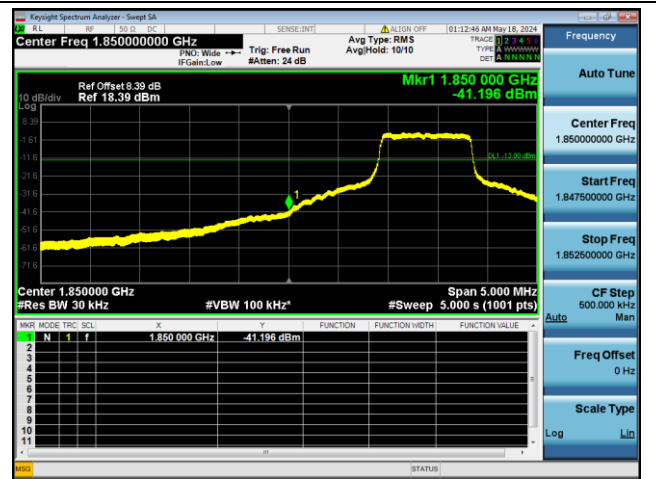
16QAM Low channel-1 RB offset 0



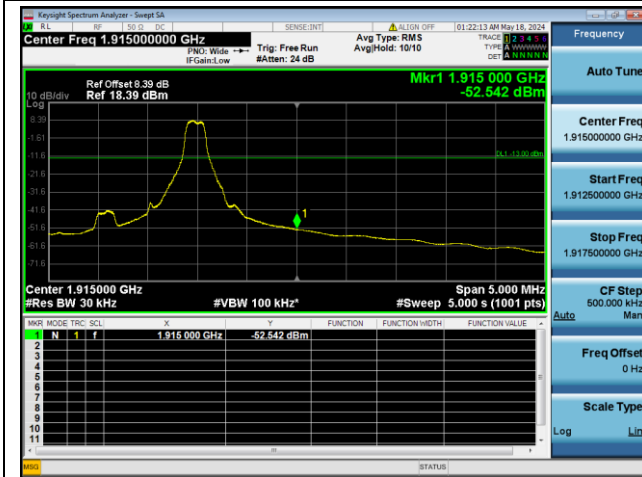
QPSK Low channel-6 RB offset 0



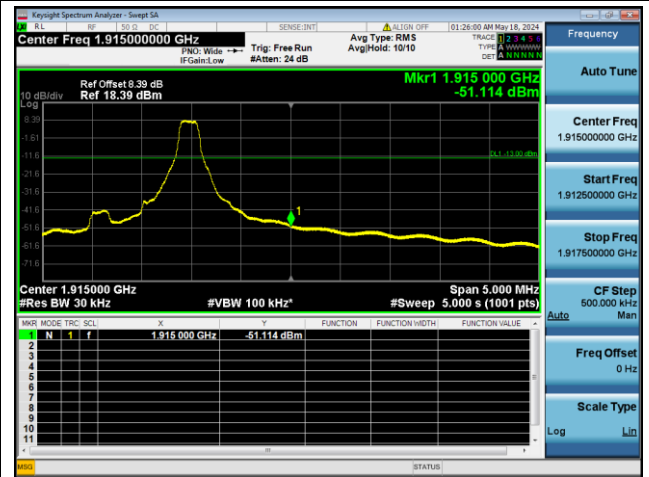
16QAM Low channel-5 RB offset 0



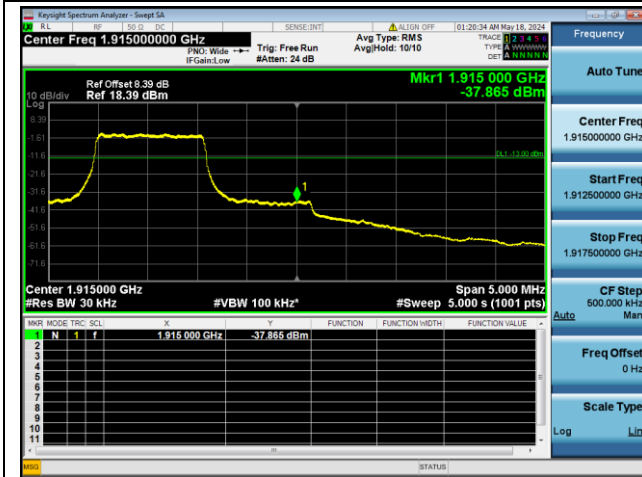
QPSK High channel-1 RB offset max



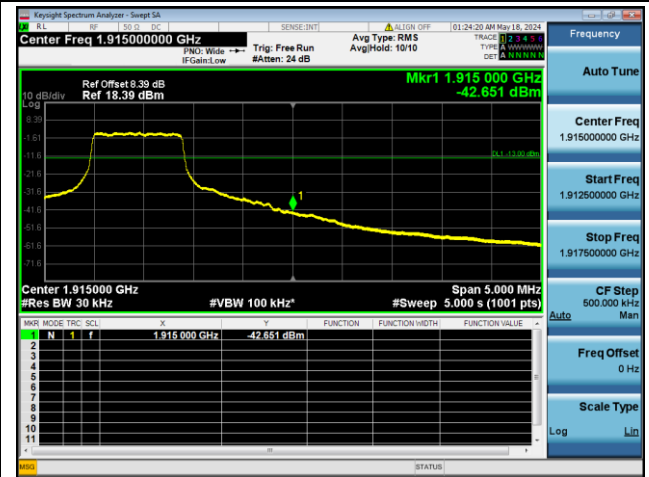
16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

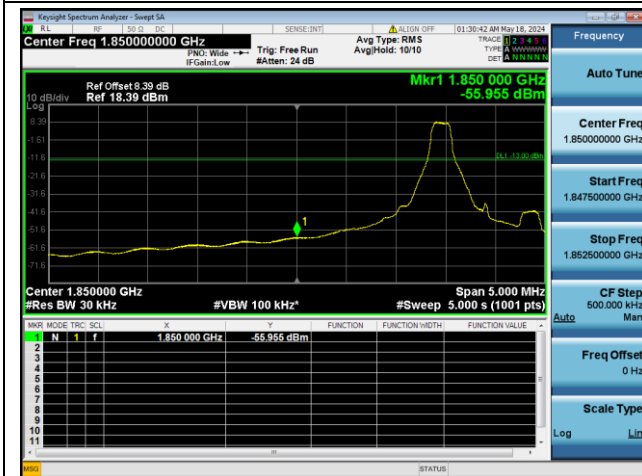


16QAM High channel-5 RB offset 0

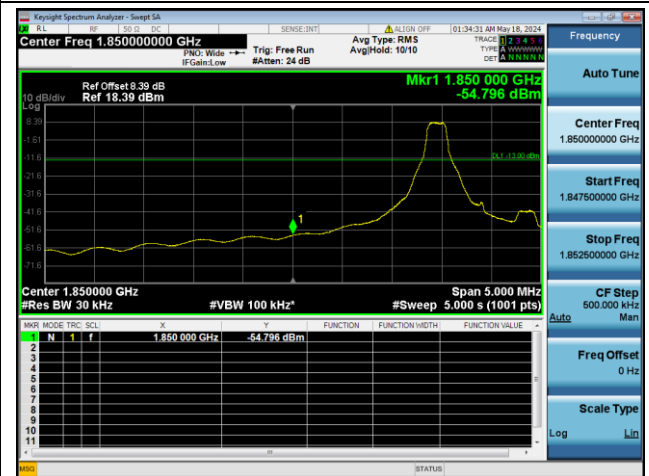


LTE FDD Band 25, Nominal Bandwidth: 20MHz

QPSK Low channel-1 RB offset 0



16QAM Low channel-1 RB offset 0



Keysight Spectrum Analyzer - Sweep 5A

Frequency 01:29:52 AM May 18, 2024

Center Freq 1.850000000 GHz

PWD: Wide Trig: Free Run Avg Type: RMS Avg/Hold: 10/10

IF Gain: Low #Azm: 24 dB

Ref Offset 8.39 dB Ref 18.39 dBm

Mkr1 1.850 000 GHz -47.990 dBm

Center 1.8500000 GHz Span 5.000 MHz

#Res BW 30 kHz #VBW 100 kHz* #Sweep 5.000 s (1001 pts)

INR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.850 000 GHz	-47.990 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Log

Auto

Frequency

Auto Tune

Center Freq 1.850000000 GHz

Start Freq 1.847500000 GHz

Stop Freq 1.852500000 GHz

CF Step 600.000 kHz

Man

Freq Offset 0 Hz

Scale Type

Log Lin

STATUS

Keysight Spectrum Analyzer - Swept Lvl

Center Freq 1.850000000 GHz

Ref Offset 8.39 dB
Ref 18.39 dBm

Trig: Free Run
PNO: Wide
IF Gain: Low
#Att: 24 dB

Avg Type: RMS
Avg Hold: 10/10

ALIGN OFF

61:32:51 AM May 18, 2024

TRACE 1: 2.95.1
TYPE: A W W W W W W
DET: 1.00000

Frequency

Auto Tune

Center Freq
1.850000000 GHz

Start Freq
1.847500000 GHz

Stop Freq
1.852500000 GHz

CF Step
600.000 kHz

Auto

Freq Offset
0 Hz

Scale Type
Log Lin

Mkr1 1.850 000 GHz
-46.416 dBm

10 dB/div

Center 1.850000 GHz
#Res BW 30 kHz
#VBW 100 kHz*
#Sweep 5.000 s (1001 pts)

Mkr	Mode	Trc	SCL	X	Y	Function	Function Width	Function Value
1	N	1	f	1.850000 GHz	-46.416 dBm			

2
3
4
5
6
7
8
9
10
11

(STATUS)

[illegible]

Keylight Spectrum Analyzer - Sweep 2A

SENSE:INT1 ALIGN OFF 01:46:00 AM May 18, 2024

Center Freq 1.915000000 GHz Avg Type: RMS PNO: Wide → Trig: Free Run IF Gain: Low #Att: 24 dB TYPE: A HHHHHH DET: S Max

Ref Offset 8.39 dB Ref 18.39 dBm Mkr1 1.915 000 GHz -52.834 dBm

Center 1.915000 GHz Span 5.000 MHz
#Res BW 30 kHz #VBW 100 kHz* #Sweep 5.000 s (1001 pts)

MARK	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.915 000 GHz	-52.834 dBm			

Frequency Auto Tune Center Freq 1.915000000 GHz Start Freq 1.912500000 GHz Stop Freq 1.917500000 GHz CF Step 500.000 kHz Auto Mm Frequency Offset 0 Hz Scale Type Log Lin

[illegible]

Keysight Spectrum Analyzer - Sweep SA

Center Freq 1.915000000 GHz

Ref Offset 8.39 dB
Ref 18.39 dBm

Mkr1 1.915 000 GHz
-48.210 dBm

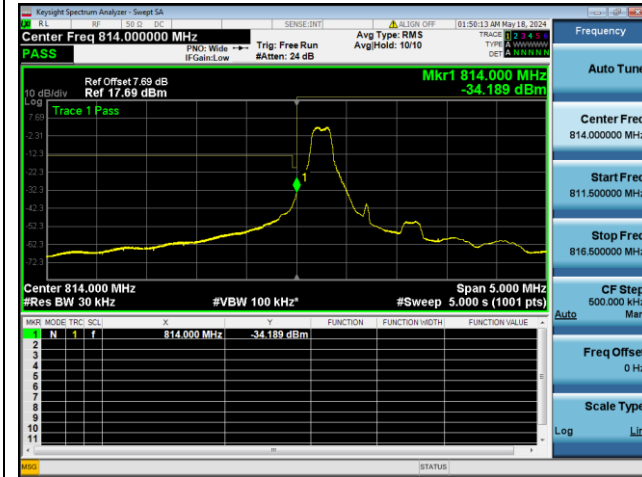
Center 1.915000 GHz
#Res BW 30 kHz
#VBW 100 kHz*
#Sweep 5.000 s (1001 pts)

Span 5.000 MHz

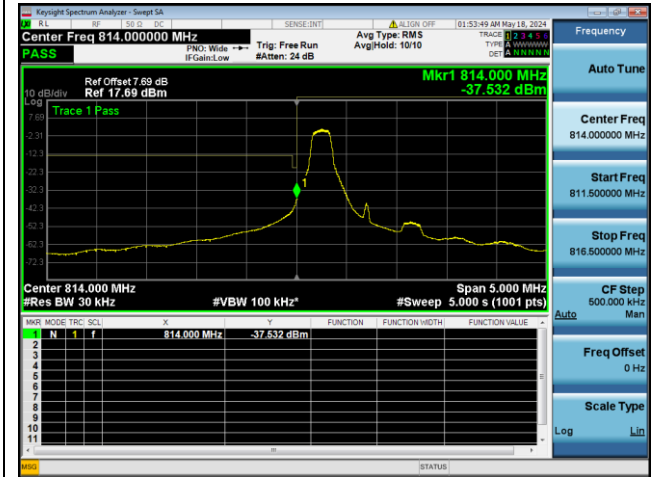
MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.915 000 GHz	-48.210 dBm			

LTE FDD Band 26a, Nominal Bandwidth: 1.4MHz

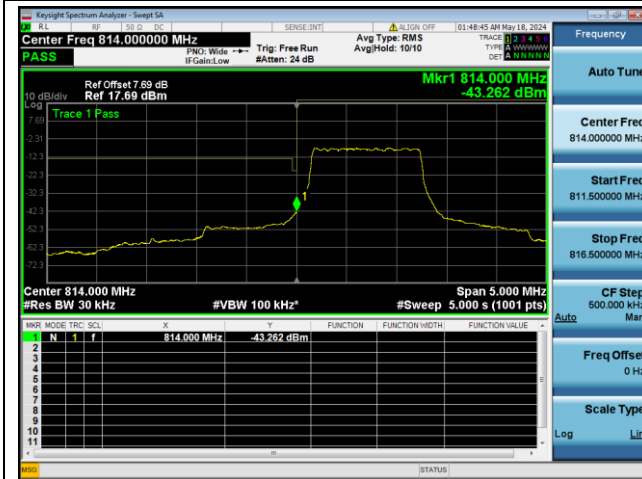
QPSK Low channel-1 RB offset 0



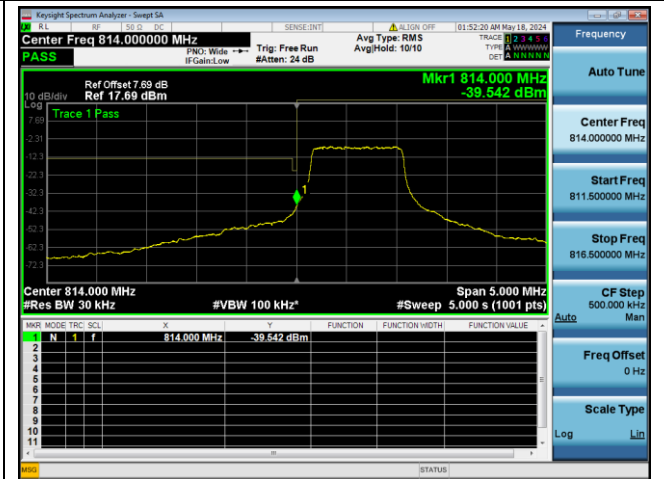
16QAM Low channel-1 RB offset 0



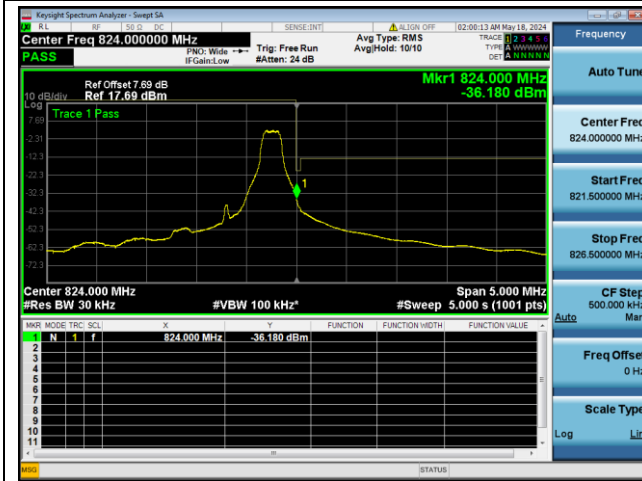
QPSK Low channel-6 RB offset 0



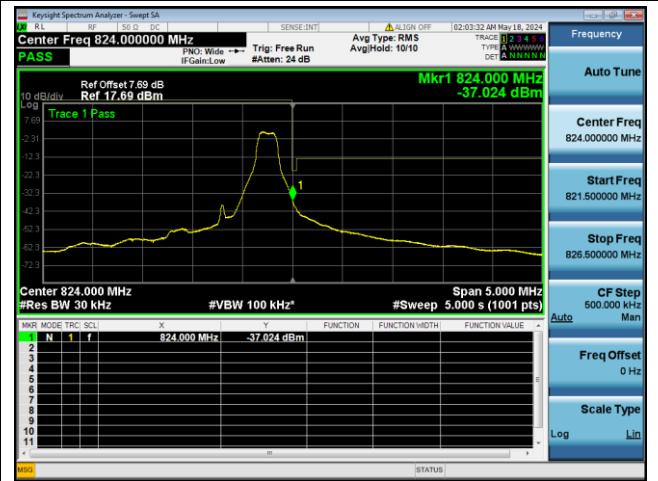
16QAM Low channel-5 RB offset 0



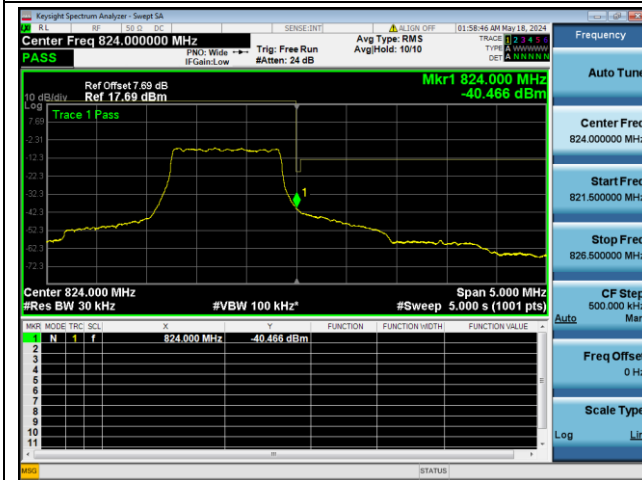
QPSK High channel-1 RB offset max



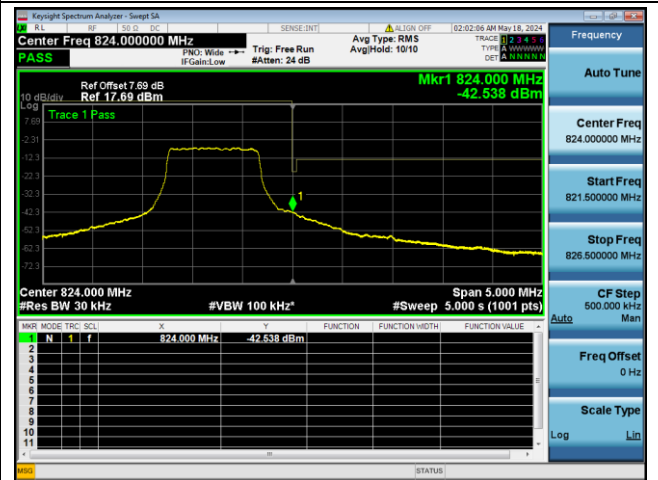
16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

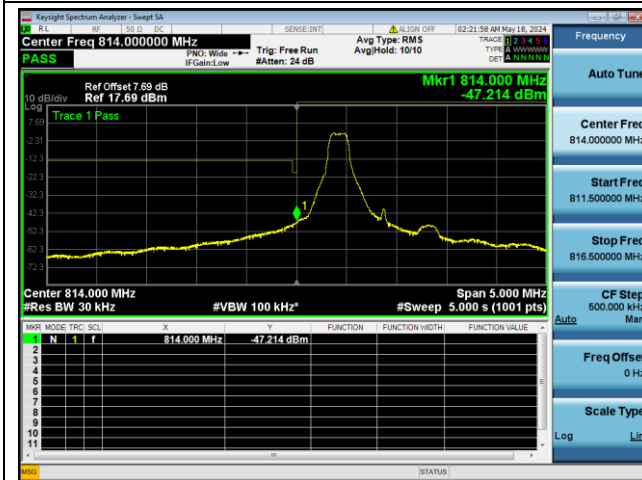


16QAM High channel-5 RB offset 0

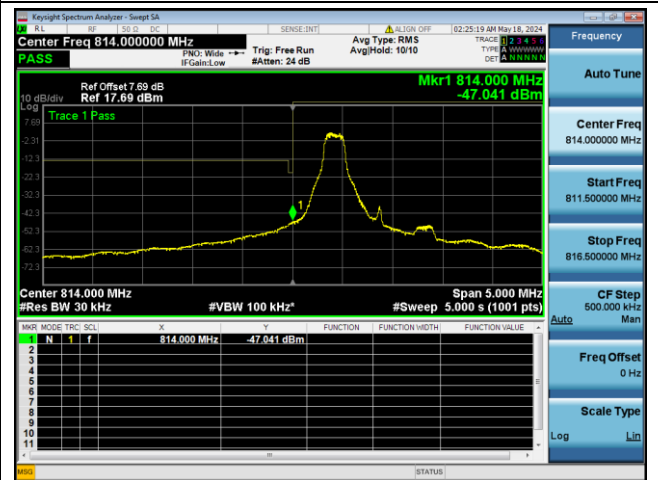


LTE FDD Band 26a, Nominal Bandwidth: 3MHz

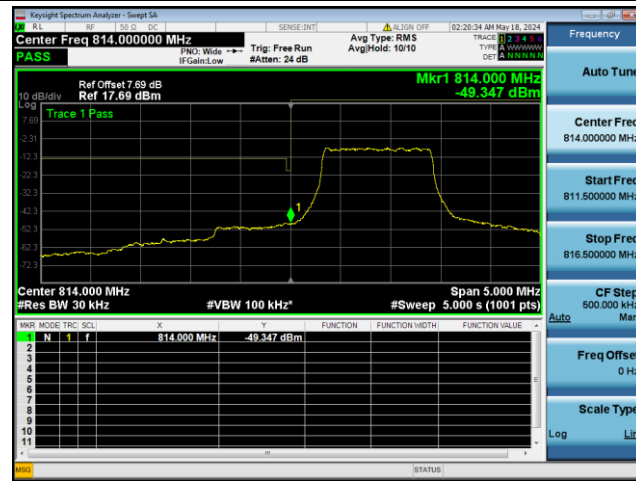
QPSK Low channel-1 RB offset 0



16QAM Low channel-1 RB offset 0



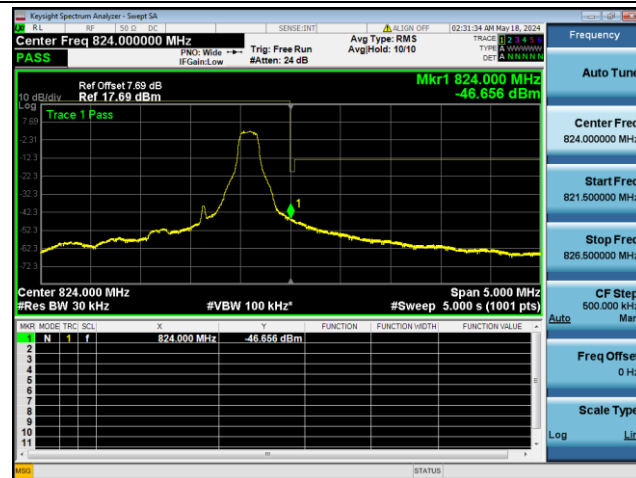
QPSK Low channel-6 RB offset 0



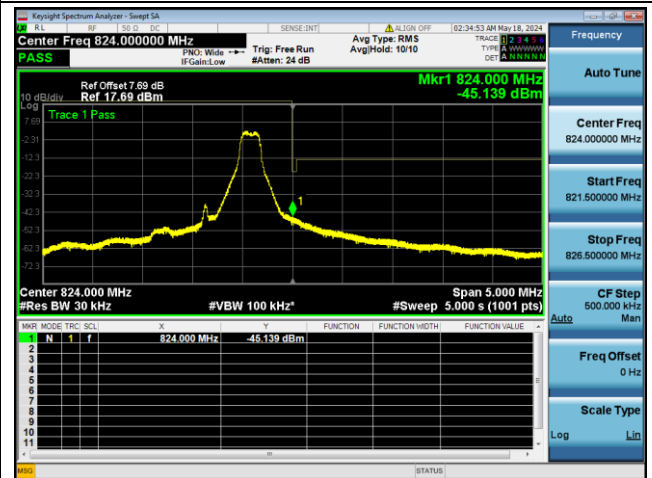
16QAM Low channel-5 RB offset 0



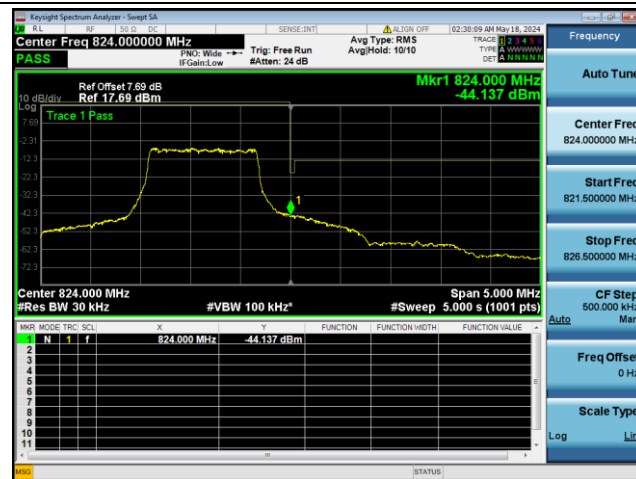
QPSK High channel-1 RB offset max



16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0

