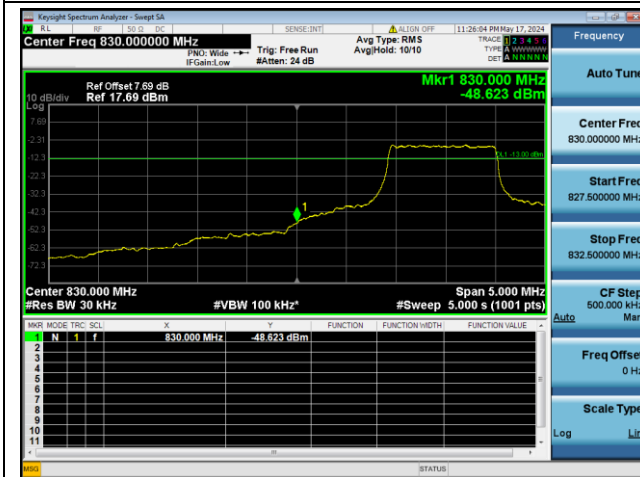
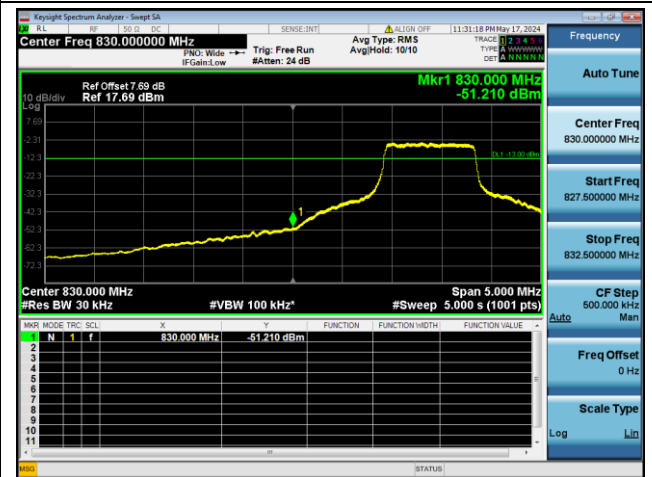


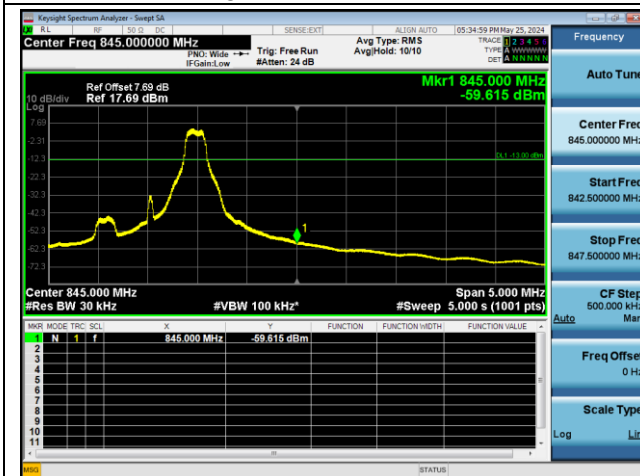
QPSK Low channel-6 RB offset 0



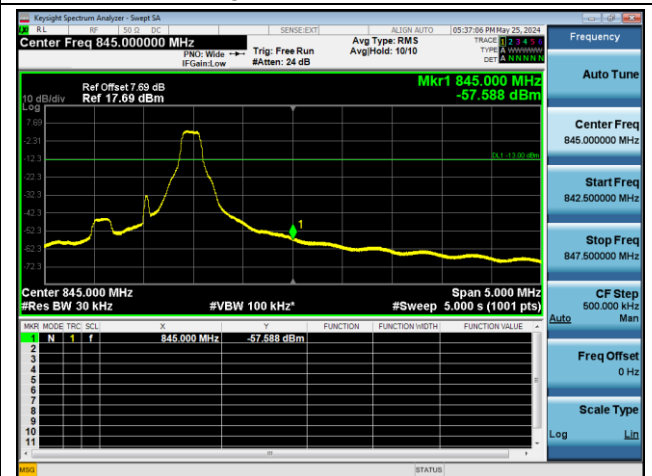
16QAM Low channel-5 RB offset 0



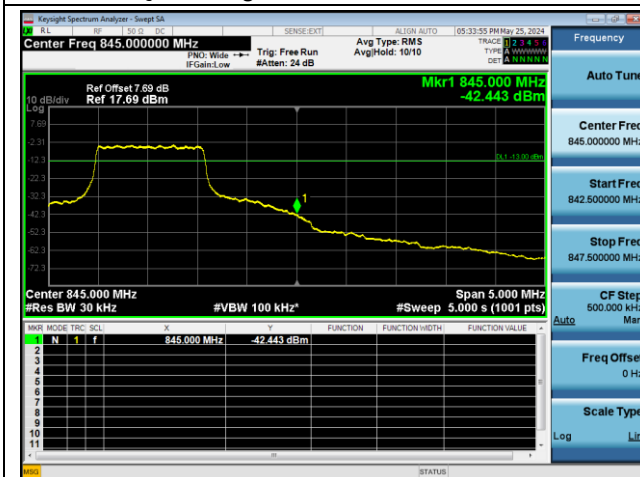
QPSK High channel-1 RB offset max



16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

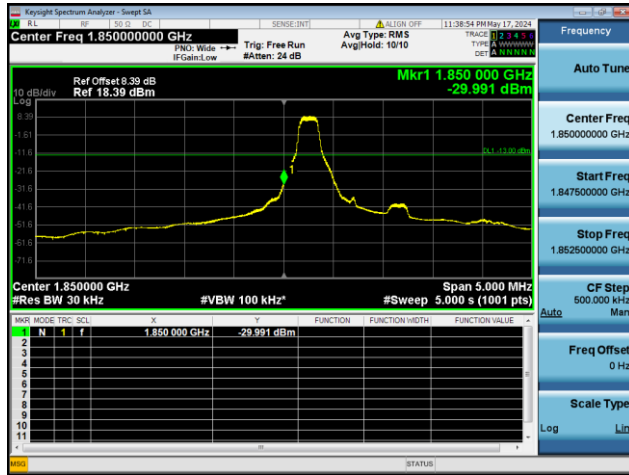


16QAM High channel-5 RB offset 0

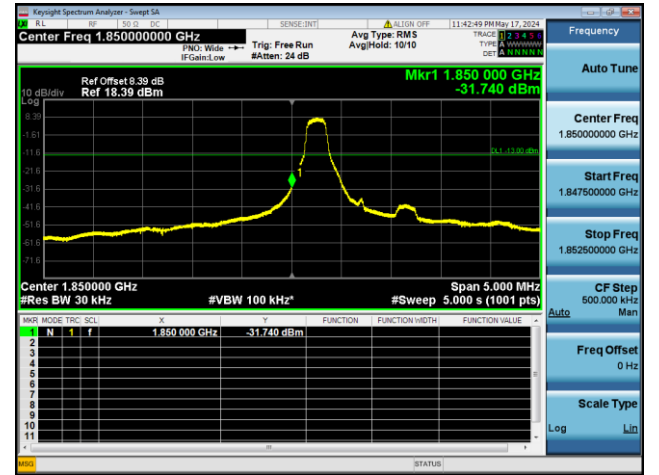


LTE FDD Band 25, Nominal Bandwidth: 1.4MHz

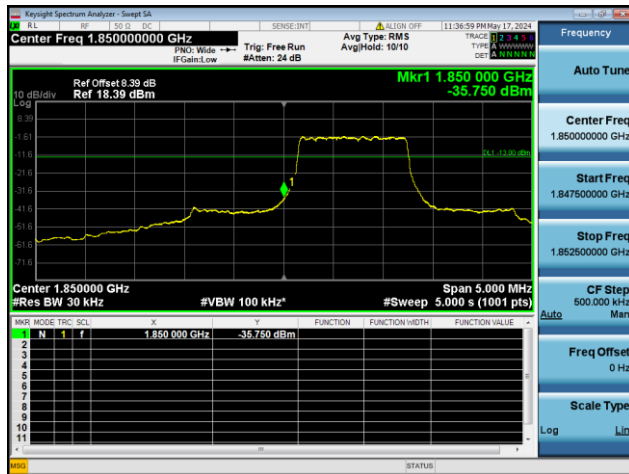
QPSK Low channel-1 RB offset 0



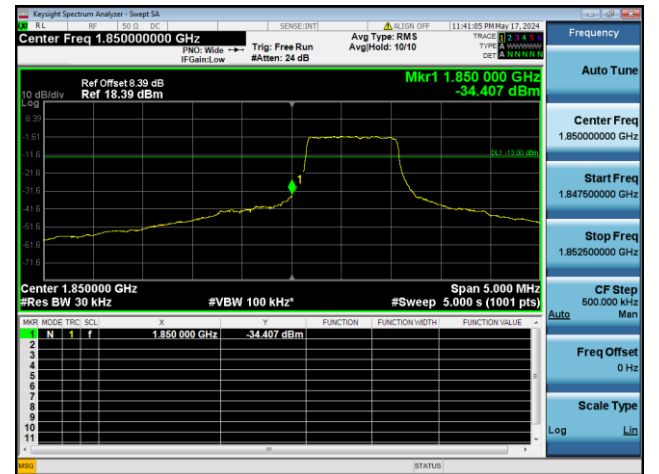
16QAM Low channel-1 RB offset 0



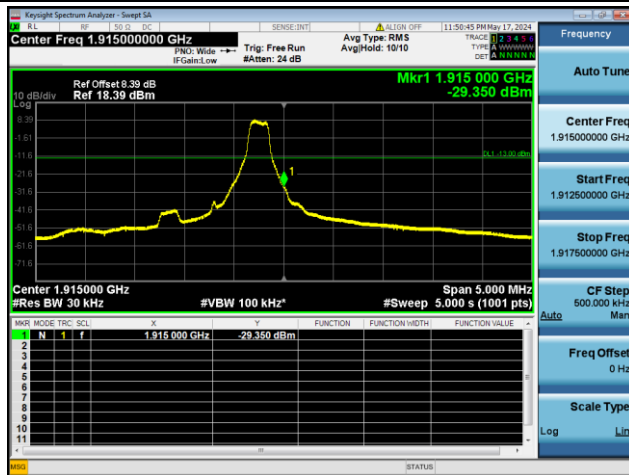
QPSK Low channel-6 RB offset 0



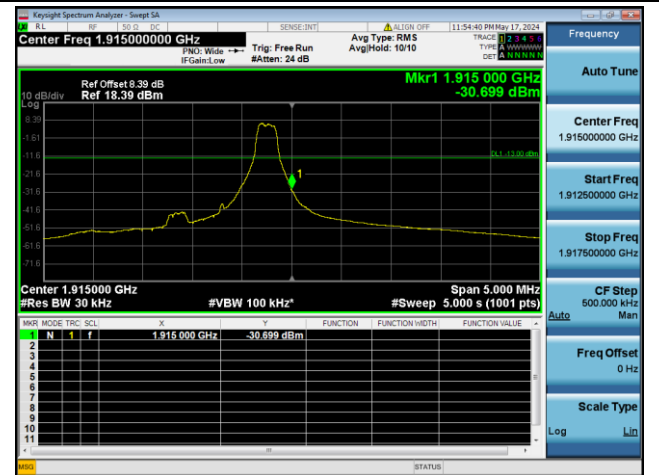
16QAM Low channel-5 RB offset 0



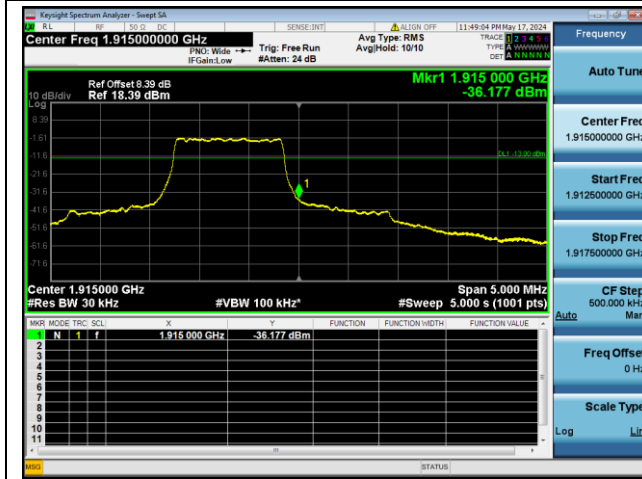
QPSK High channel-1 RB offset max



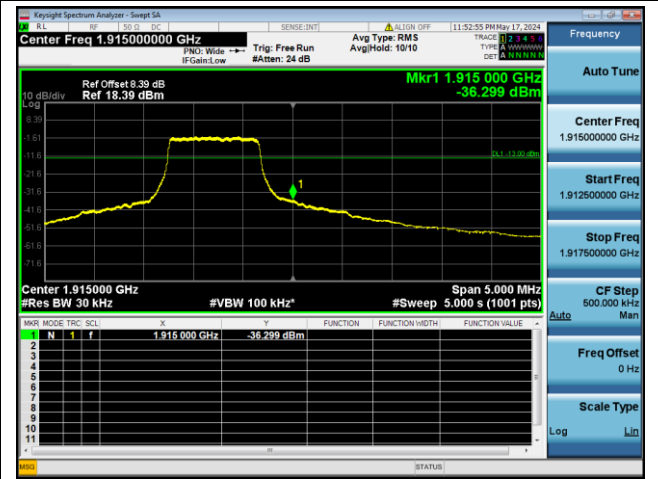
16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

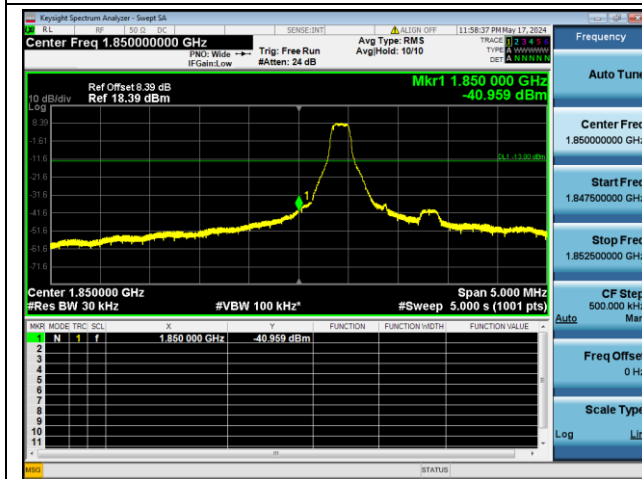


16QAM High channel-5 RB offset 0

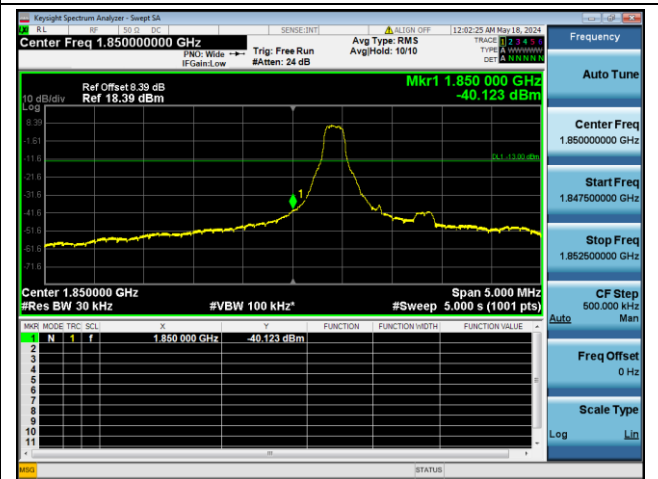


LTE FDD Band 25, Nominal Bandwidth: 3MHz

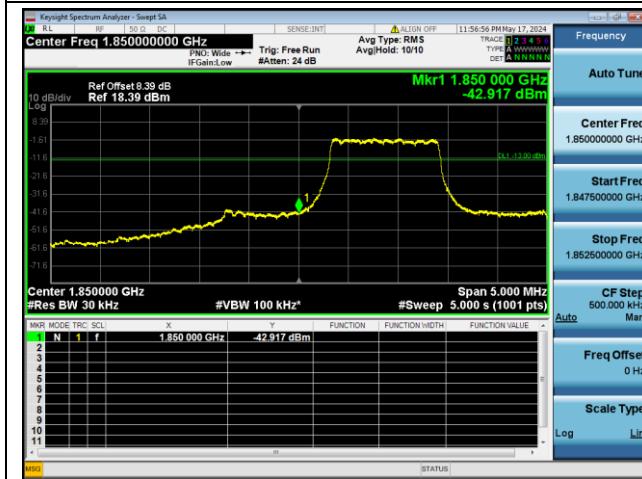
QPSK Low channel-1 RB offset 0



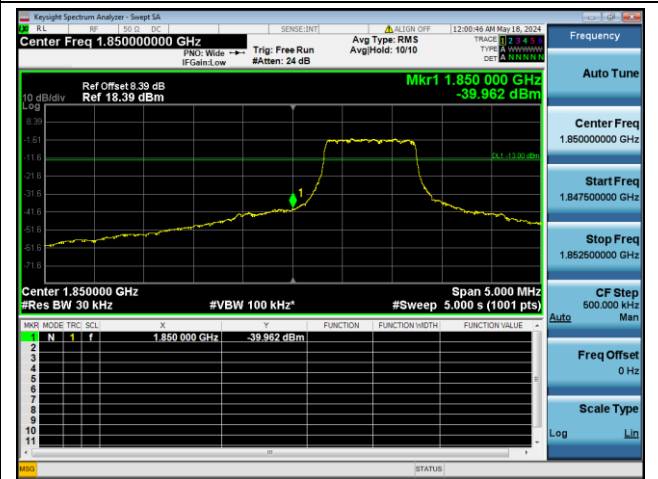
16QAM Low channel-1 RB offset 0



QPSK Low channel-6 RB offset 0



16QAM Low channel-5 RB offset 0



Keysight Spectrum Analyzer - Screenshot

Center Freq 1.91500000 GHz

Ref Offset 8.39 dB
Ref 18.39 dBm

Trig: Free Run
#Atten: 24 dB

Avg Type: RMS
AvgHold: 1010

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

Mkr1 1.915 000 GHz
-40.155 dBm

10 dB/div
Log

1.91500000 GHz

Auto Tune

Center Freq 1.91500000 GHz

Start Freq 1.91250000 GHz

Stop Freq 1.91750000 GHz

CF Step 500.000 kHz

Scale Type

Log

Keysight Spectrum Analyzer - Screenshot

Center Freq 1.915000000 GHz

Ref Off 8.39 dB
Ref 18.39 dBm

Trig: Free Run
#Att: 24 dB

Avg Type: RMS
Avg Hold: 10/10

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

Mkr1 1.915 000 GHz
-40.999 dBm

Frequency

Auto Tune

Center Freq
1.915000000 GHz

Start Freq
1.912500000 GHz

Stop Freq
1.917500000 GHz

CF Step
500.000000 GHz

Auto

Freq Offset
0 Hz

Scale Type
Log

[illegible]

Frequency Spectrum Analyzer - Swept CW

R1 50 Hz DC SERVO-INT ALIGN OFF 12-24-03 AM May 18, 2024

Center Freq 1.915000000 GHz

PNO: Wide → Trig: Free Run Avg Type: RMS
IF Gate: Low #Aster: 24 dB Avg Hold: 10/10

TRACED [3 3 4 7]
TYPE: AVERAGE DET: MINIMUM

Mkr1 1.915 000 GHz -39.695 dBm

Ref Offset 8.39 dB Ref 18.39 dBm

10 dB/div

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
N	1	f	1.915 000 GHz	-39.695 dBm			

Auto Tune

Center Freq 1.915000000 GHz

Start Freq 1.912500000 GHz

Stop Freq 1.917500000 GHz

CF Step 500.000 MHz

Freq Offset 0 Hz

Scale Type Log Lin

(STATUS)

LTE FDD Band 25, Nominal Bandwidth: 5MHz

QPSK Low channel-1 RB offset 0

16QAM Low channel-1 RB offset 0

Keysight Spectrum Analyzer - Sweep 5A

Center Freq 1.85000000 GHz

PND: Wide Trig: Free Run AvgType: RMS AvgHold: 10/10

IF Gain: Low #Atten: 24 dB

12:30:24 AM Mar 18, 2024

TRACE 01 3.4.5.0

TYPE A WVDW

DEF 2.000 MHz

Frequency

Auto Tune

Center Freq 1.85000000 GHz

Start Freq 1.847500000 GHz

Stop Freq 1.852500000 GHz

CF Step 500.000 kHz

Man

Auto

Freq Offset 0 Hz

Scale Type

Log Lin

Center 1.850000 GHz

#Res BW 30 kHz #VBW 100 kHz* Span 5.000 MHz

#Sweep 5.000 s (1001 pts)

INMR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE

	N	f	1.850 000 GHz	-38.311 dBm			
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							

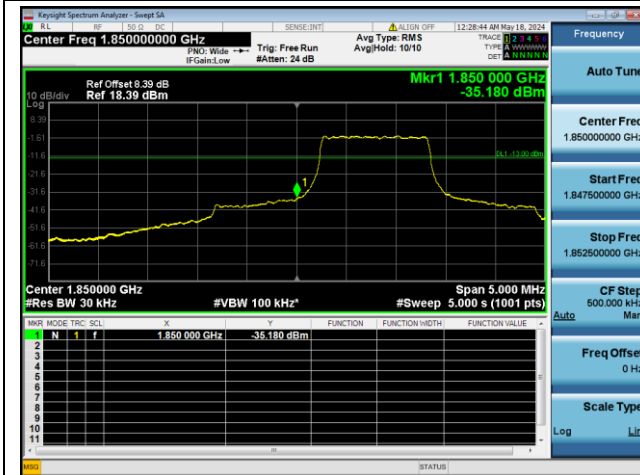
dBm

GHz

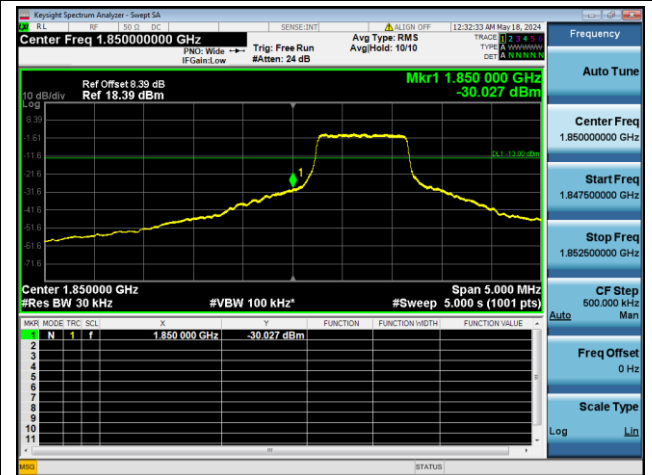
STATUS

[illegible]

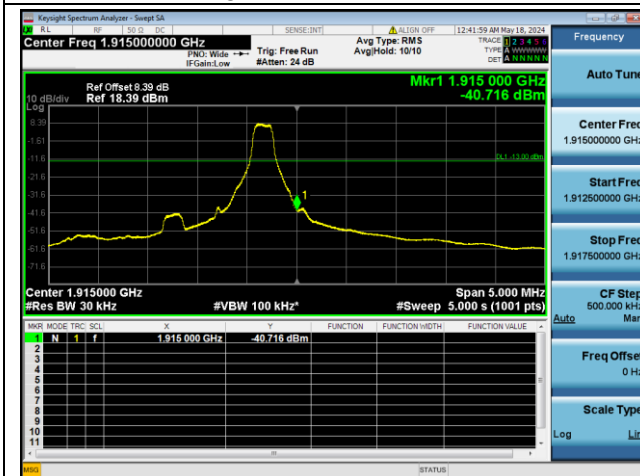
QPSK Low channel-6 RB offset 0



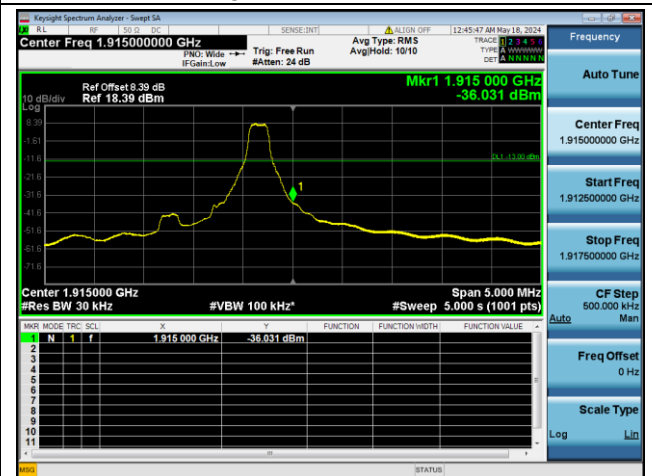
16QAM Low channel-5 RB offset 0



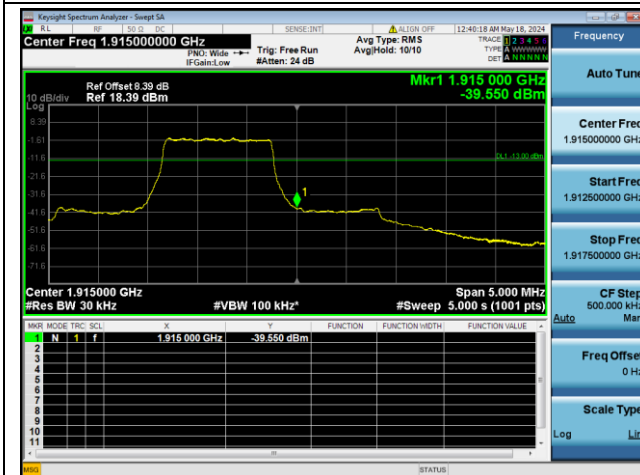
QPSK High channel-1 RB offset max



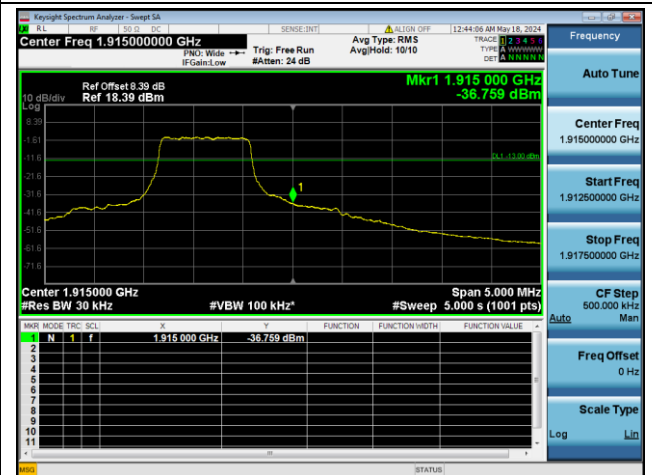
16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

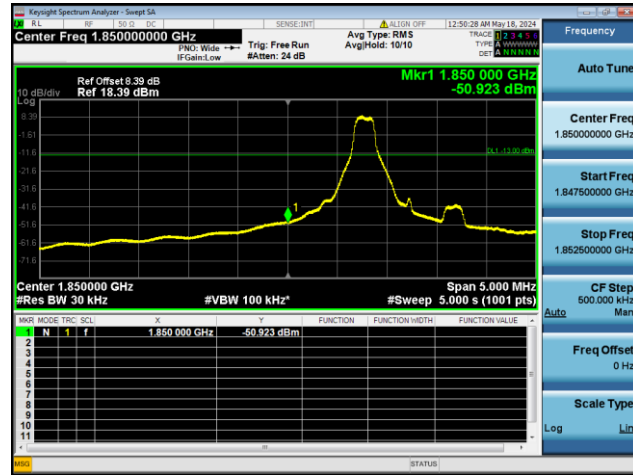


16QAM High channel-5 RB offset 0

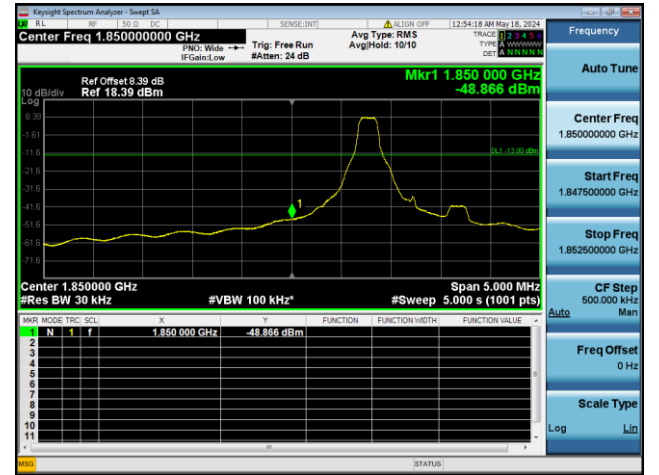


LTE FDD Band 25, Nominal Bandwidth: 10MHz

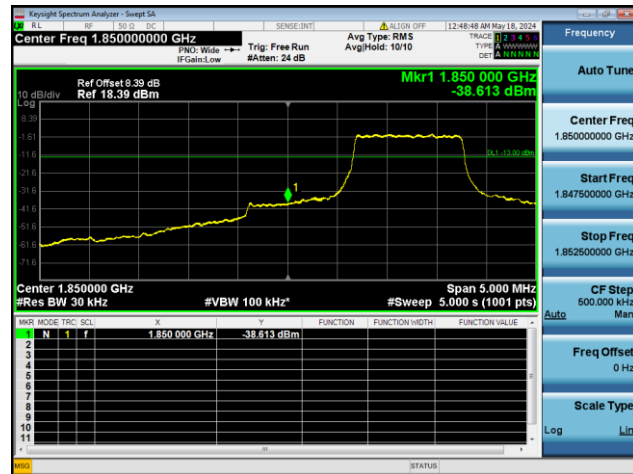
QPSK Low channel-1 RB offset 0



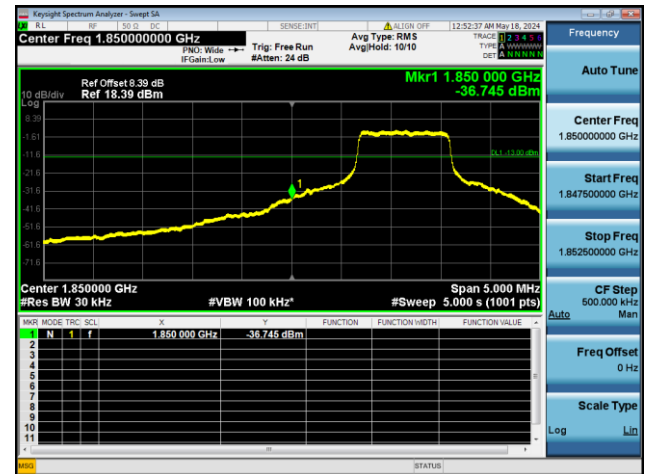
16QAM Low channel-1 RB offset 0



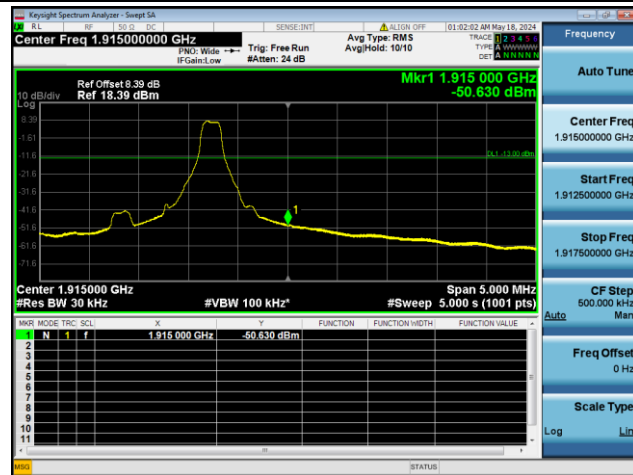
QPSK Low channel-6 RB offset 0



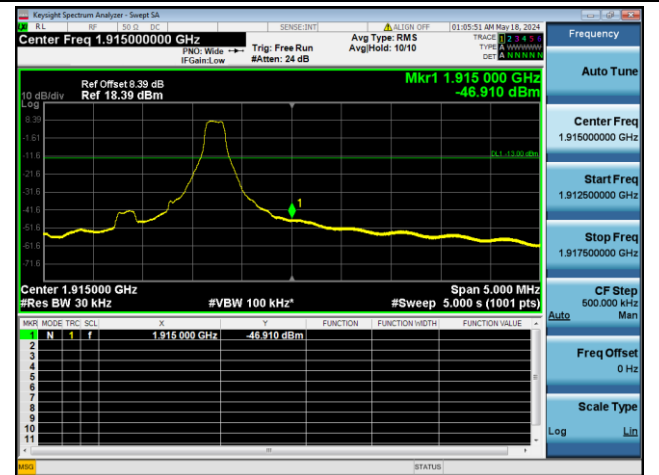
16QAM Low channel-5 RB offset 0



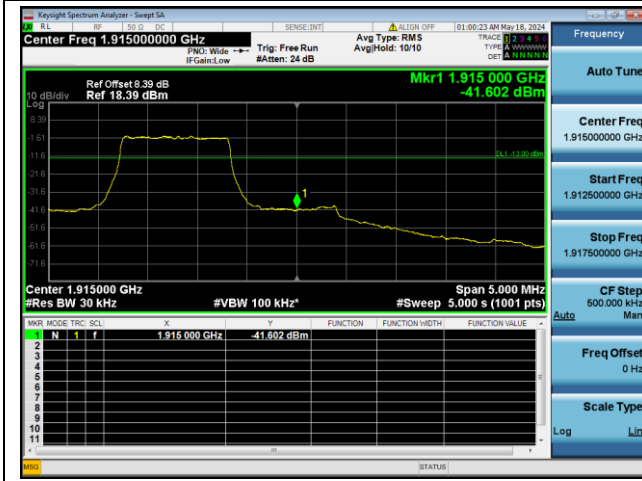
QPSK High channel-1 RB offset max



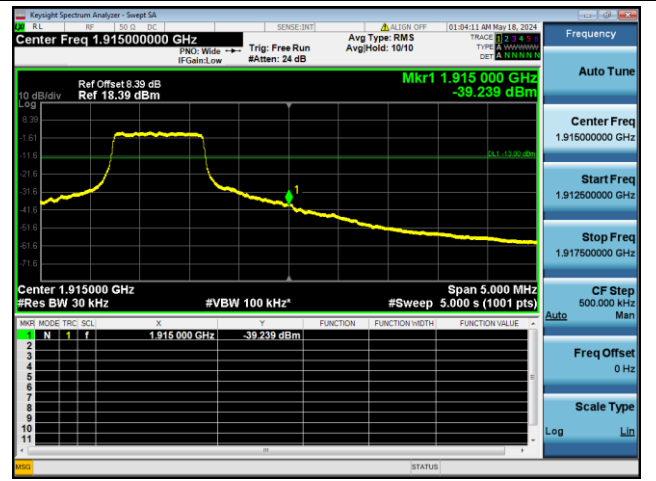
16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

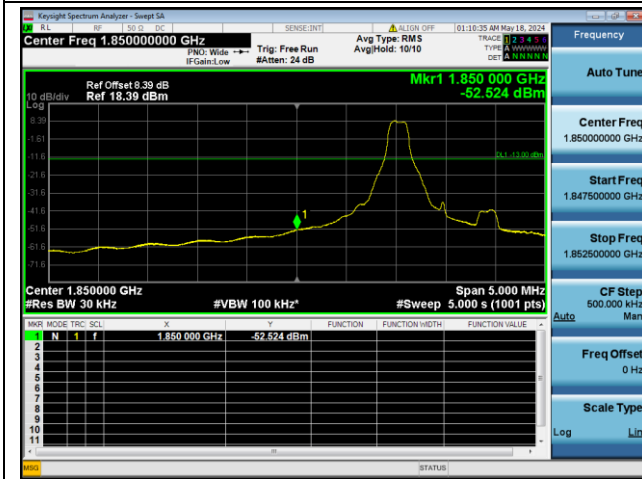


16QAM High channel-5 RB offset 0

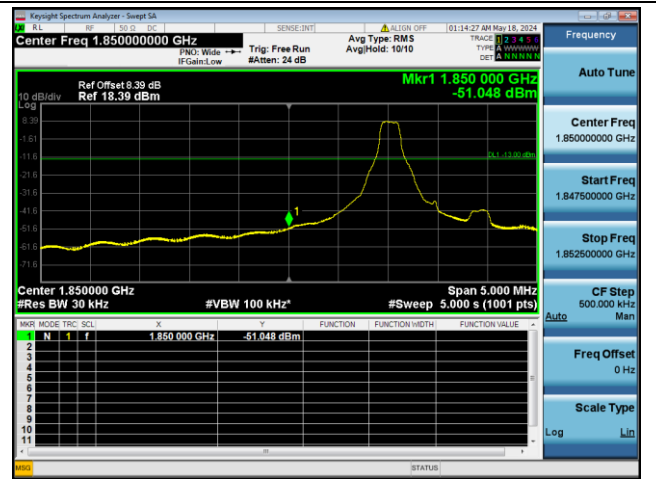


LTE FDD Band 25, Nominal Bandwidth: 15MHz

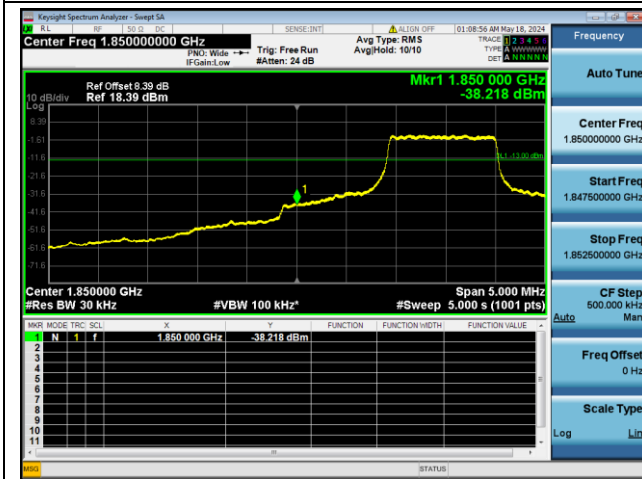
QPSK Low channel-1 RB offset 0



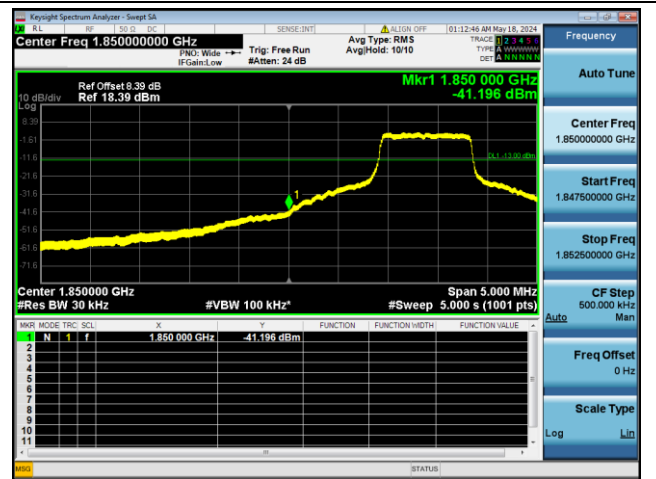
16QAM Low channel-1 RB offset 0



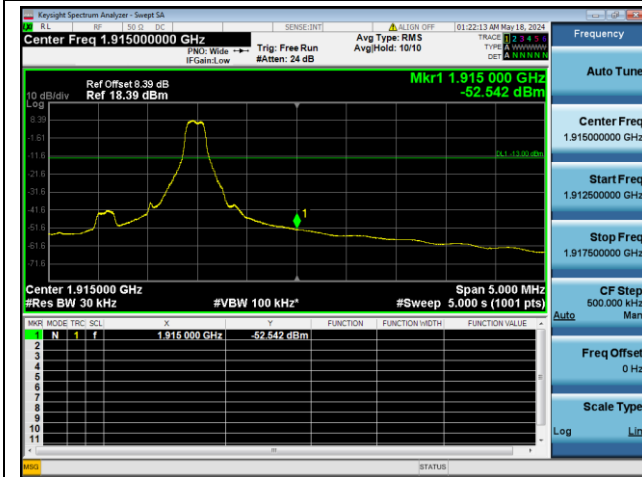
QPSK Low channel-6 RB offset 0



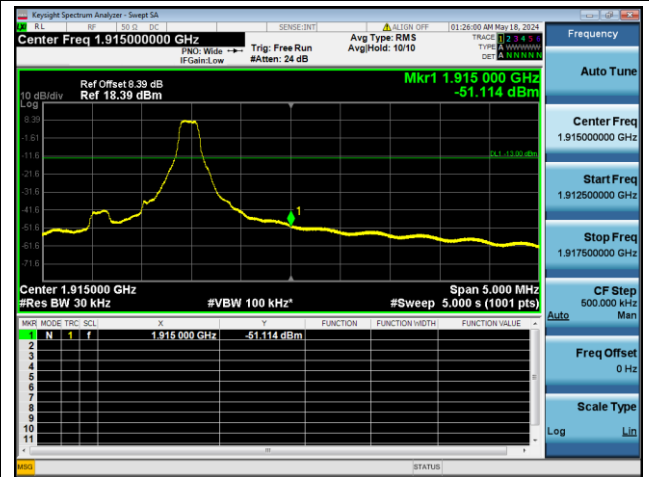
16QAM Low channel-5 RB offset 0



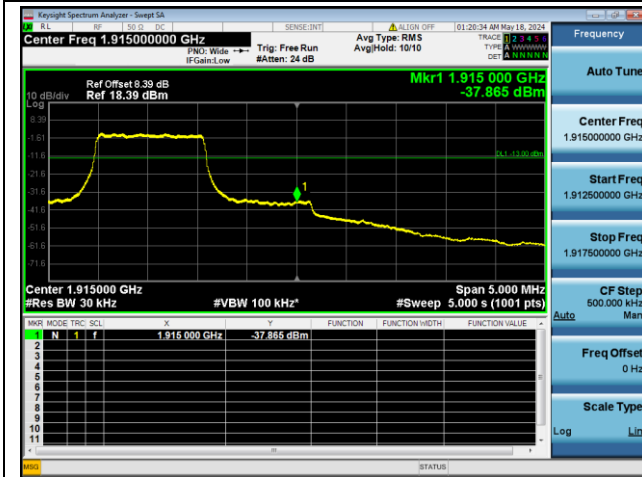
QPSK High channel-1 RB offset max



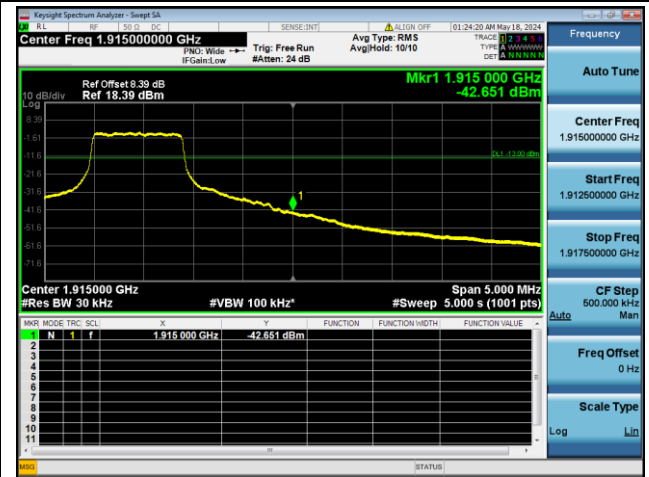
16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

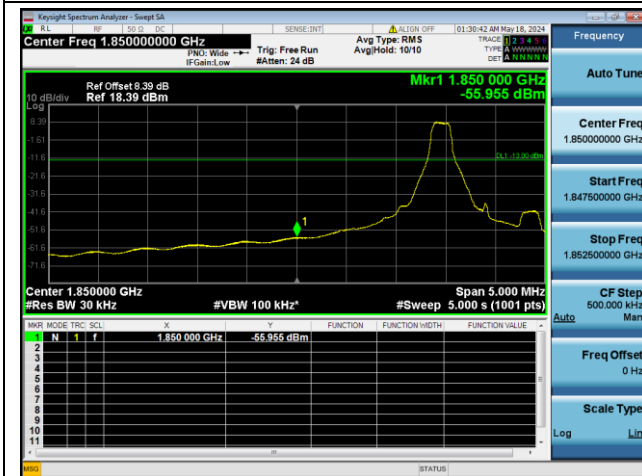


16QAM High channel-5 RB offset 0

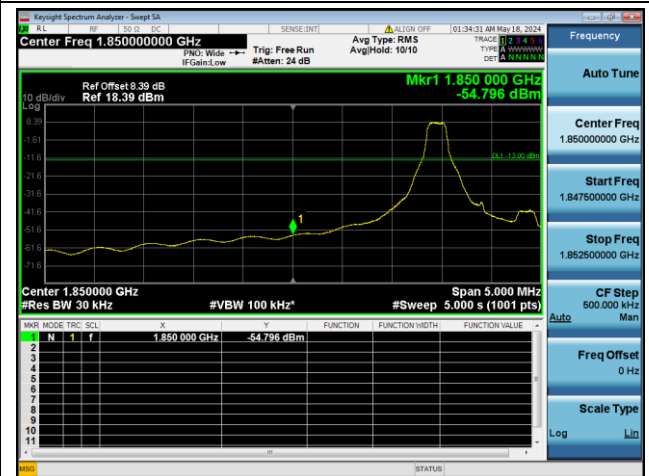


LTE FDD Band 25, Nominal Bandwidth: 20MHz

QPSK Low channel-1 RB offset 0



16QAM Low channel-1 RB offset 0



Keysight Spectrum Analyzer - Sweep 5A

Frequency

Auto Tune

Center Freq 1.850000000 GHz

Ref Offset 8.39 dB

Ref 18.39 dBm

PWD: Wide

IF Gain: Low

Trig: Free Run

#Azm: 24 dB

Avg Type: RMS

Avg/Hold: 10/10

01:29:52 AM May 18, 2024

TRACE 1 1 2 3 4 5

TYPE A WVDW

DEF 2.000000000

Mkr1 1.850 000 GHz

-47.990 dBm

10 dB/div

Log

Center 1.8500000 GHz

#Res BW 30 kHz

#VBW 100 kHz

Span 5.000 MHz

#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

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: HANDED
DET: NORM

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			

STATUS

Keylight Spectrum Analyzer - Sweep SA

Center Freq 1.915000000 GHz

Ref Offset 8.39 dB
Ref 18.39 dBm

Mkr1 1.915 000 GHz
-57.527 dBm

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

ALIGN OFF 01:42:18 AM May 18, 2024

TRAC1 01234567
TYPE A WWWW
REF 20.0 19.9 19.8

Y-axis: 0 dBm/Div, 18.39, 11.6, 31.6, 41.6, 51.6, 61.6, 71.5

X-axis: 1.915000 GHz, 1.915500 GHz, 1.916000 GHz

STATUS

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 TRACE 0: 2.345.1 TYPE: A HHHHHH DET: A 10.000

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

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

Avg Type: RMS
Avg/Hold: 10/10

01:44:25 AM Nov 18, 2024

TRACE 1 [1.915 GHz]
TYPE A WWWWWW
DET A MINMAX

Mkr1 1.915 000 GHz
-48.210 dBm

10 dB/div
9.9
8.39
6.81
5.23
3.65
2.07
0.49
-11.1
-27.6
-43.6
-59.6
-75.6
-91.6

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

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

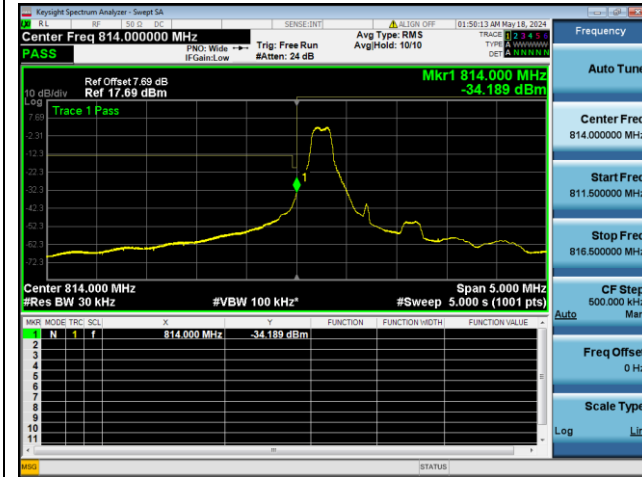
Auto

Freq Offset
0 Hz

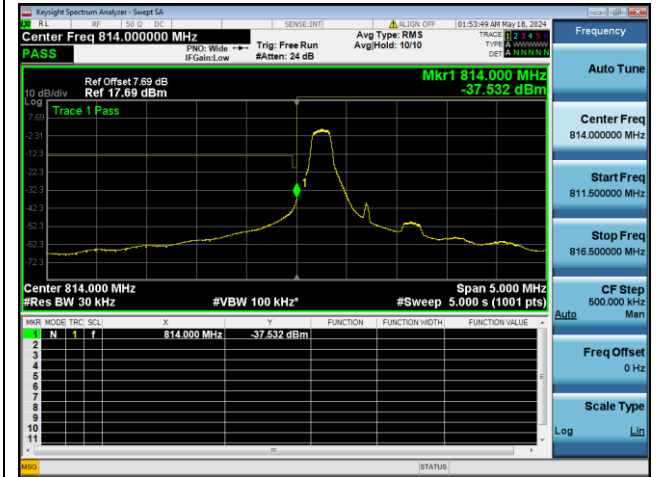
Scale Type
Log Lin

LTE FDD Band 26a, Nominal Bandwidth: 1.4MHz

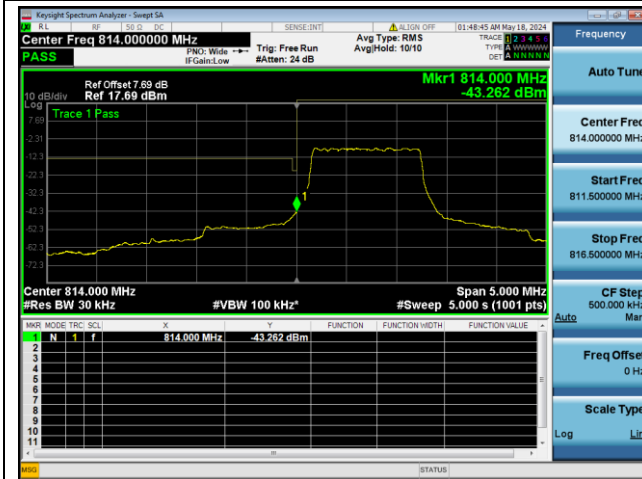
QPSK Low channel-1 RB offset 0



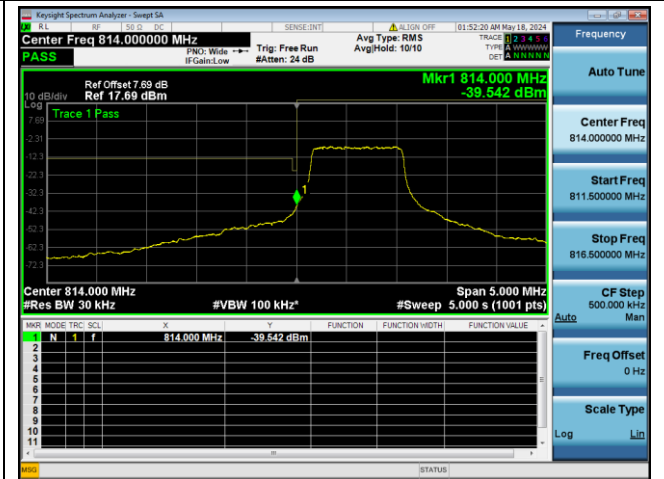
16QAM Low channel-1 RB offset 0



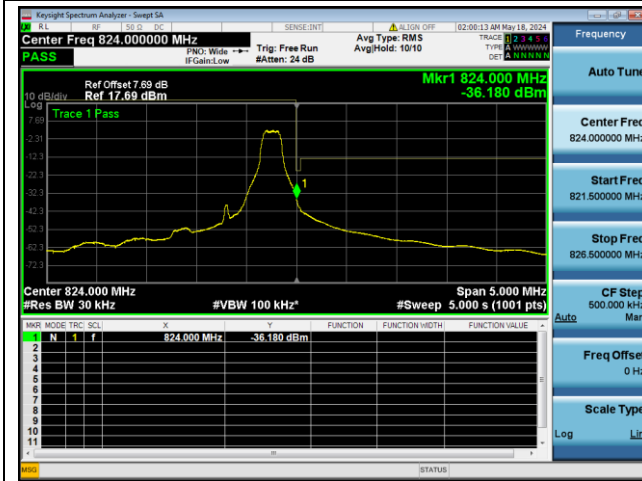
QPSK Low channel-6 RB offset 0



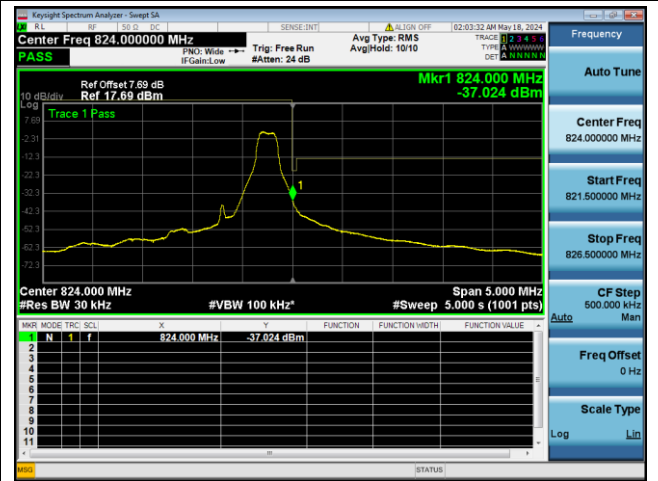
16QAM Low channel-5 RB offset 0



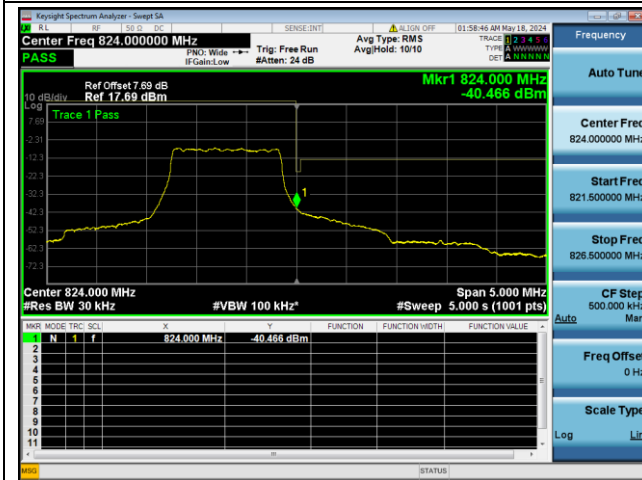
QPSK High channel-1 RB offset max



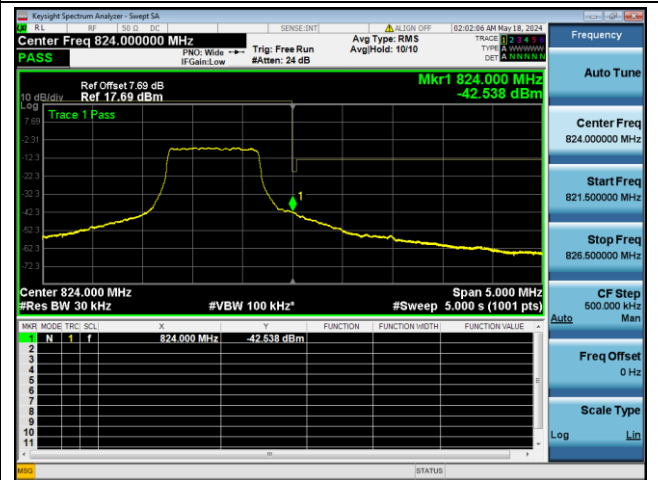
16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

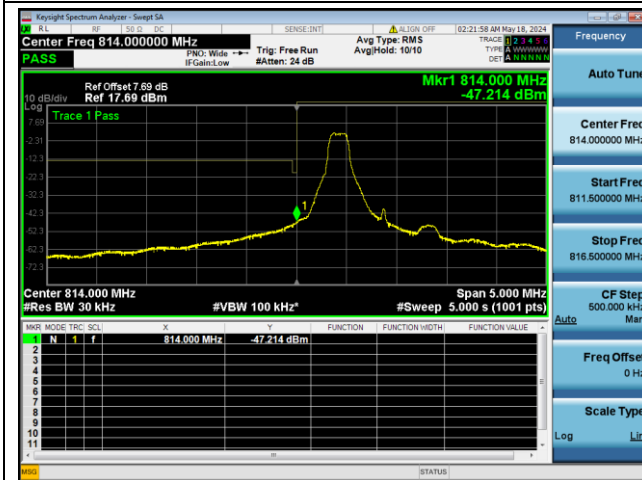


16QAM High channel-5 RB offset 0

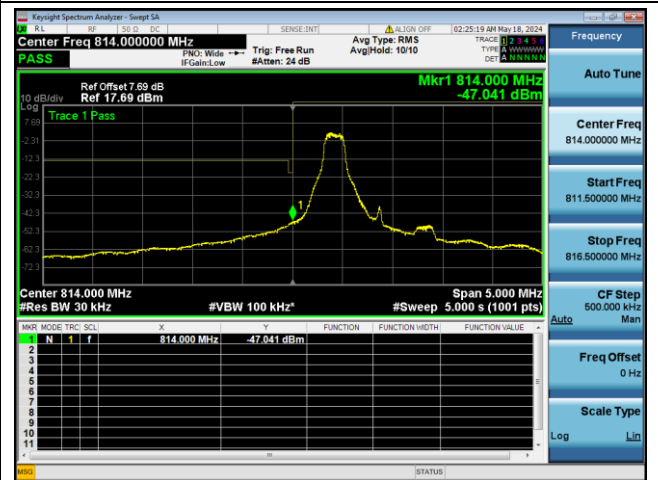


LTE FDD Band 26a, Nominal Bandwidth: 3MHz

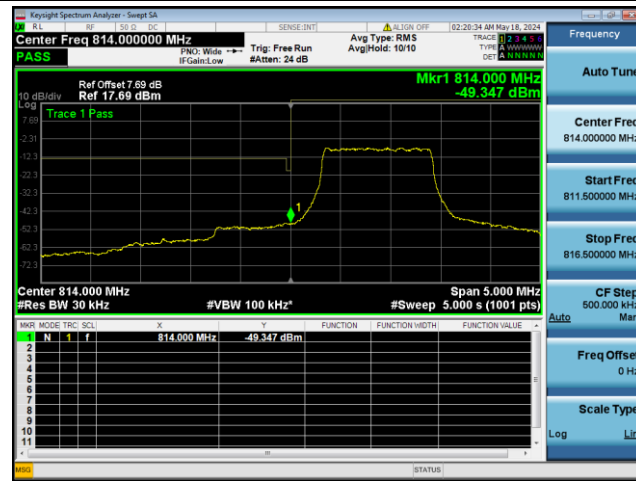
QPSK Low channel-1 RB offset 0



16QAM Low channel-1 RB offset 0



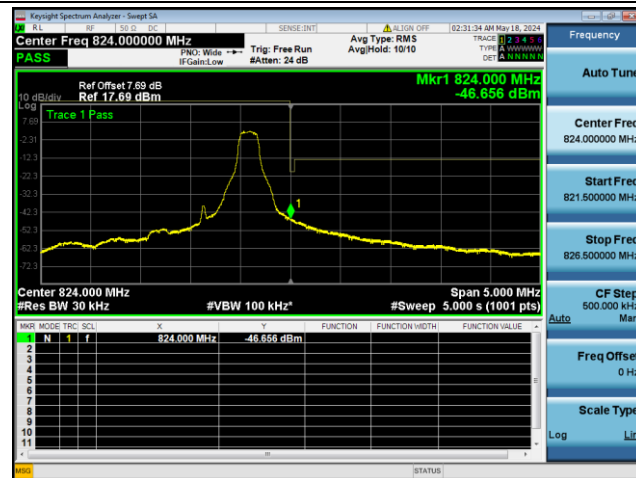
QPSK Low channel-6 RB offset 0



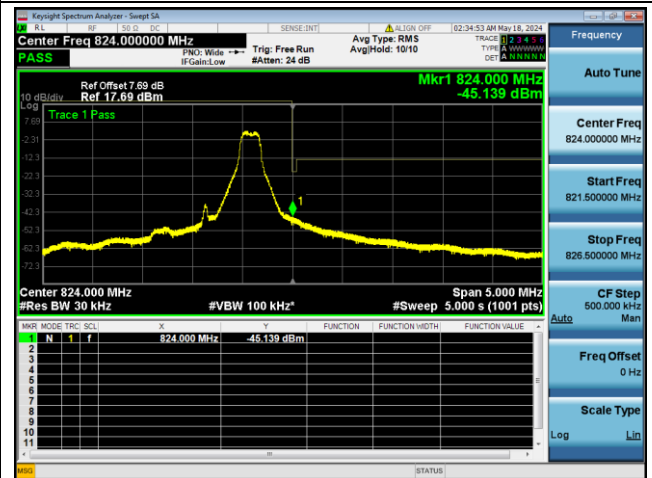
16QAM Low channel-5 RB offset 0



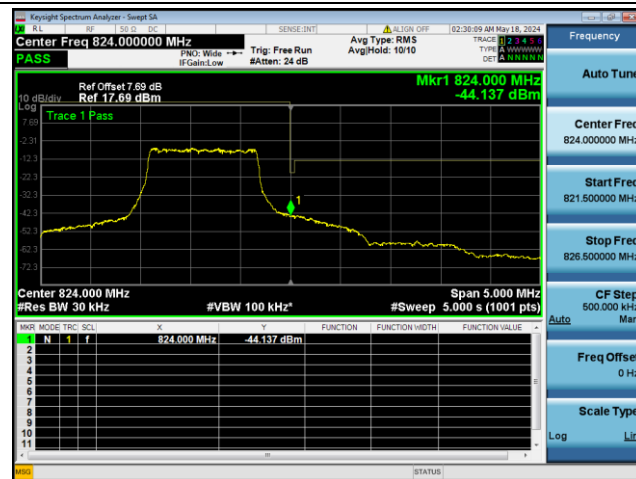
QPSK High channel-1 RB offset max



16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0



16QAM High channel-5 RB offset 0

