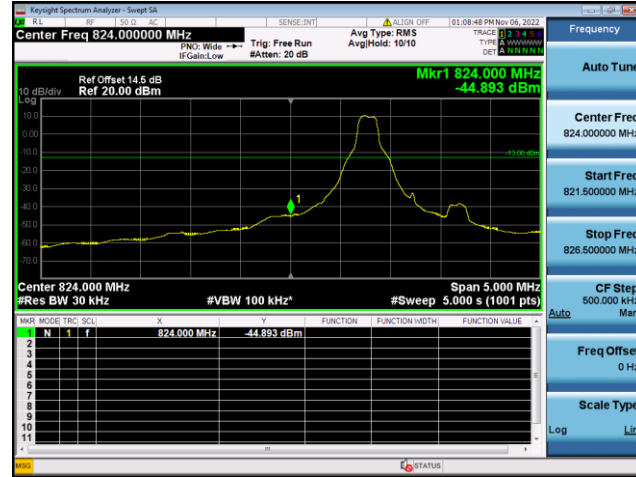
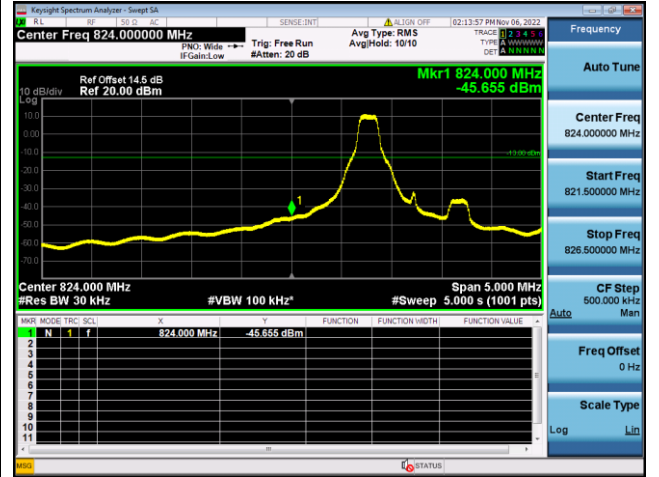


LTE FDD Band 5, Nominal Bandwidth: 10MHz

QPSK Low channel-1 RB offset 0



16QAM Low channel-1 RB offset 0



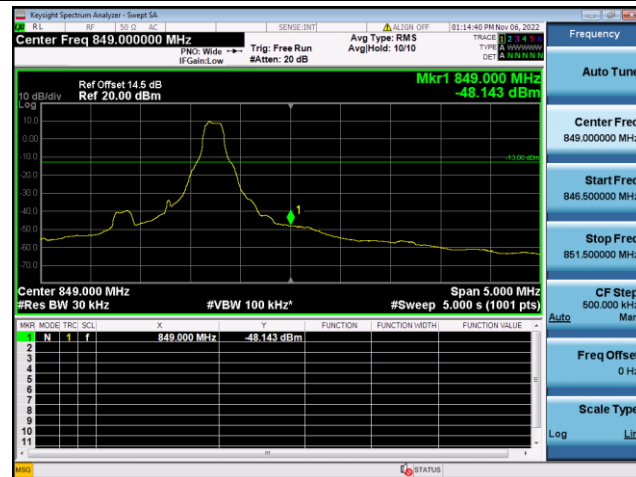
QPSK Low channel-6 RB offset 0



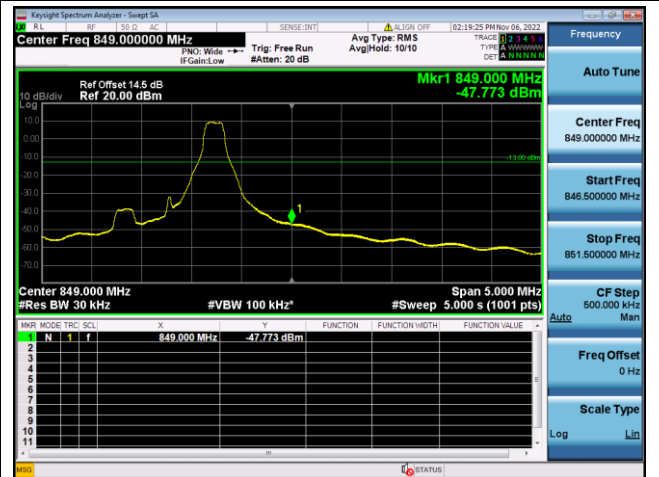
16QAM Low channel-6 RB offset 0



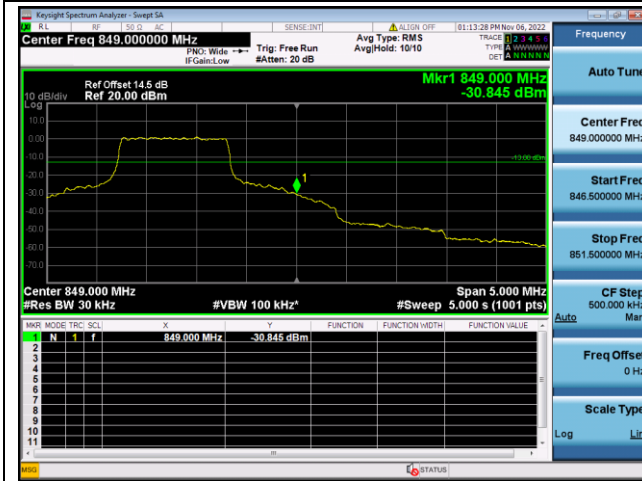
QPSK High channel-1 RB offset max



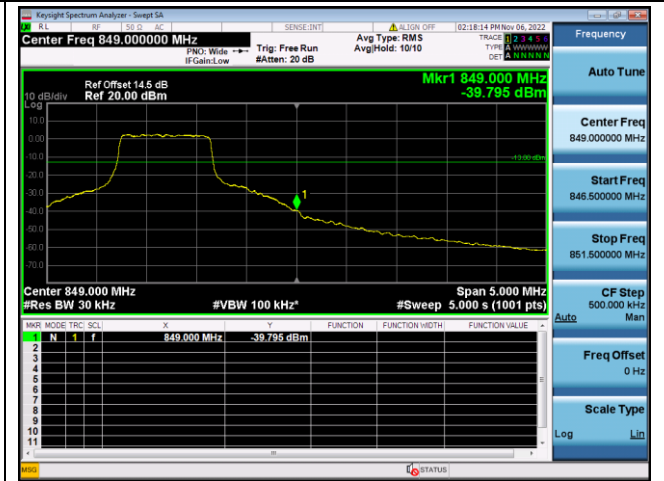
16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

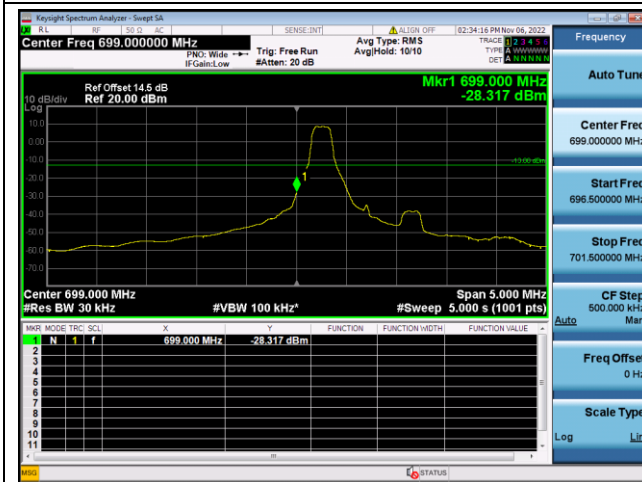


16QAM High channel-6 RB offset 0

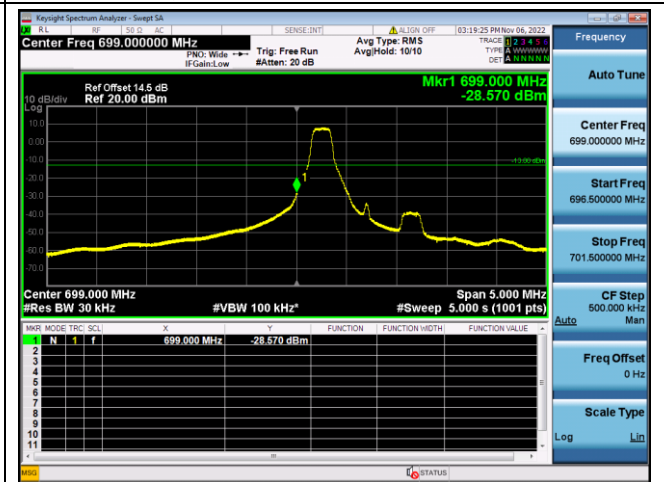


LTE FDD Band 12, Nominal Bandwidth: 1.4MHz

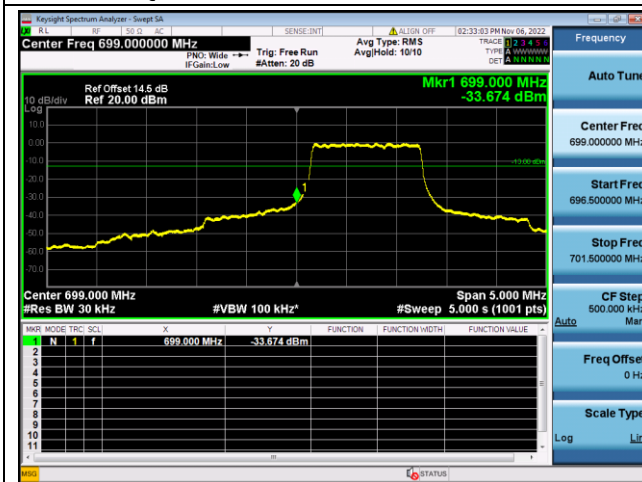
QPSK Low channel-1 RB offset 0



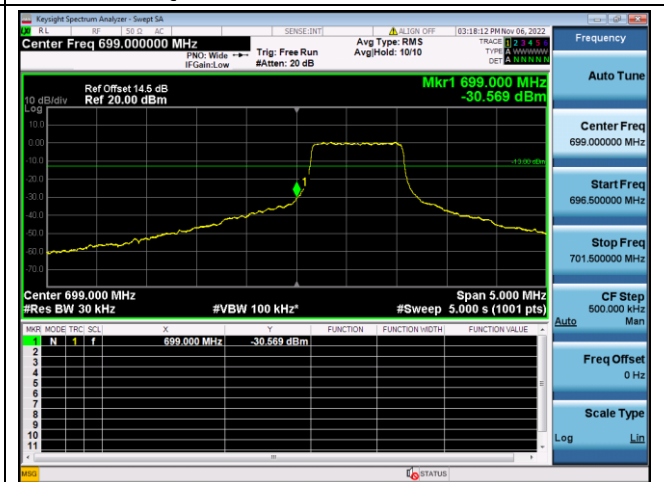
16QAM Low channel-1 RB offset 0



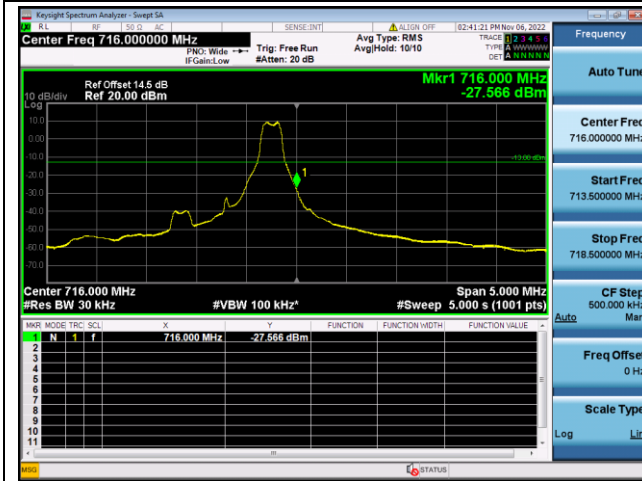
QPSK Low channel-6 RB offset 0



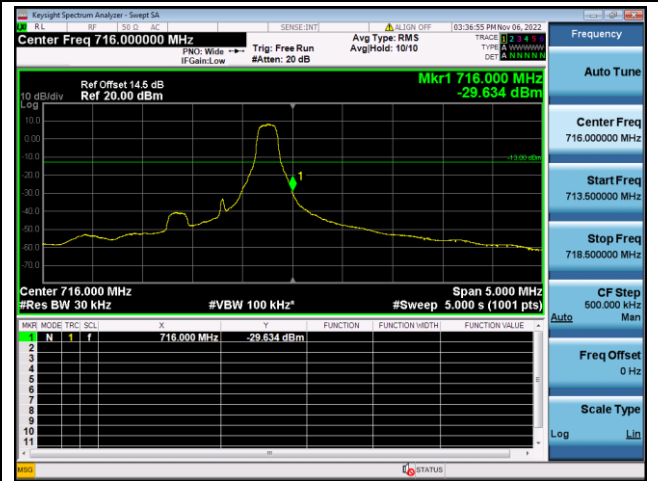
16QAM Low channel-6 RB offset 0



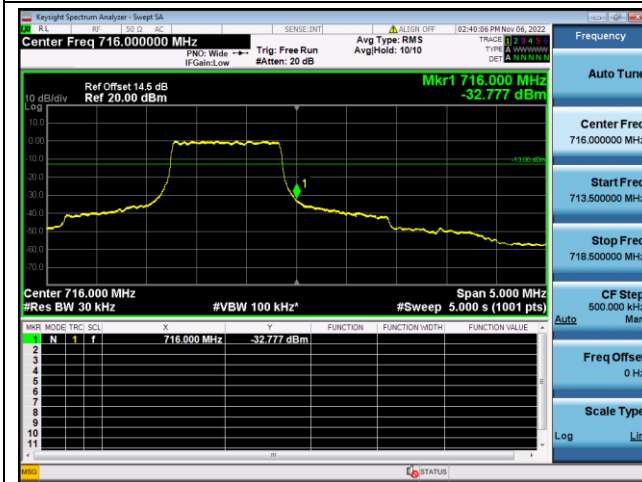
QPSK High channel-1 RB offset max



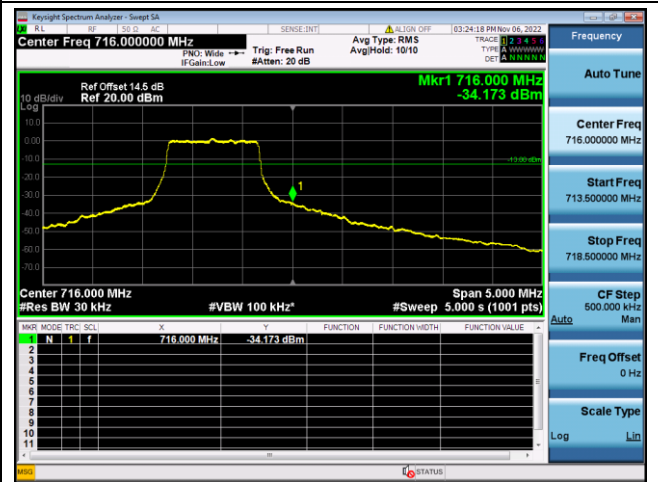
16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

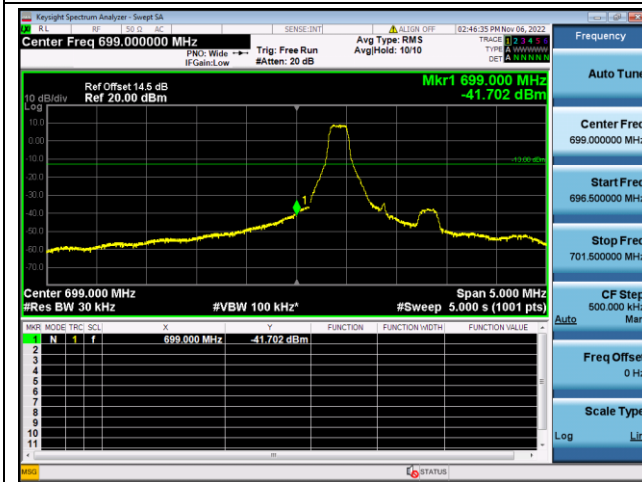


16QAM High channel-6 RB offset 0

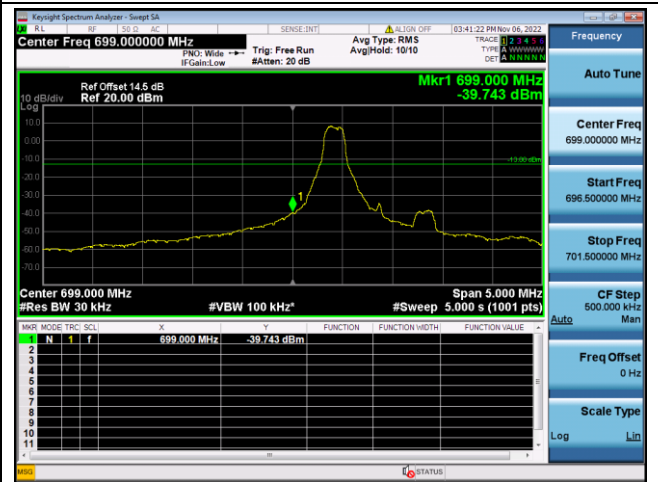


LTE FDD Band 12, Nominal Bandwidth: 3MHz

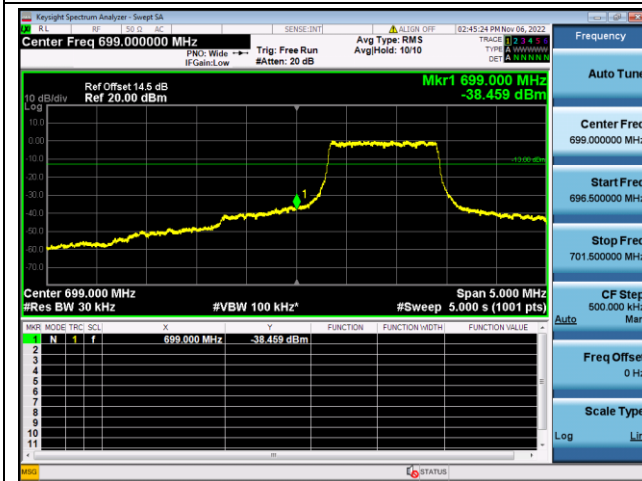
QPSK Low channel-1 RB offset 0



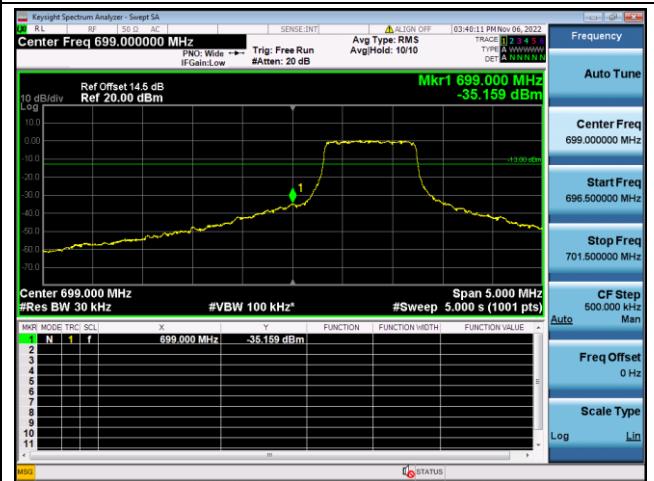
16QAM Low channel-1 RB offset 0



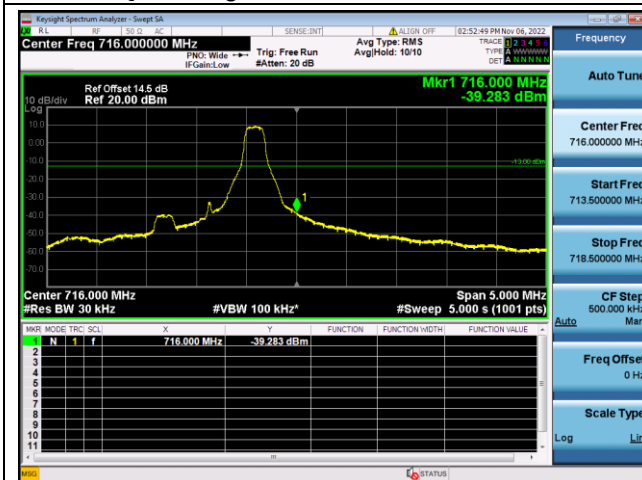
QPSK Low channel-6 RB offset 0



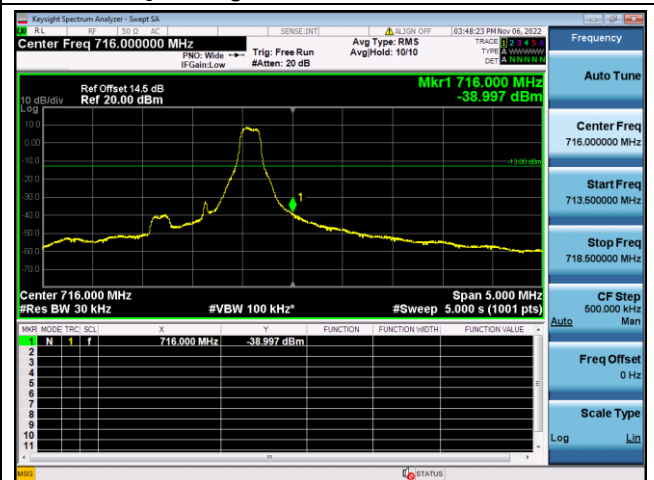
16QAM Low channel-6 RB offset 0



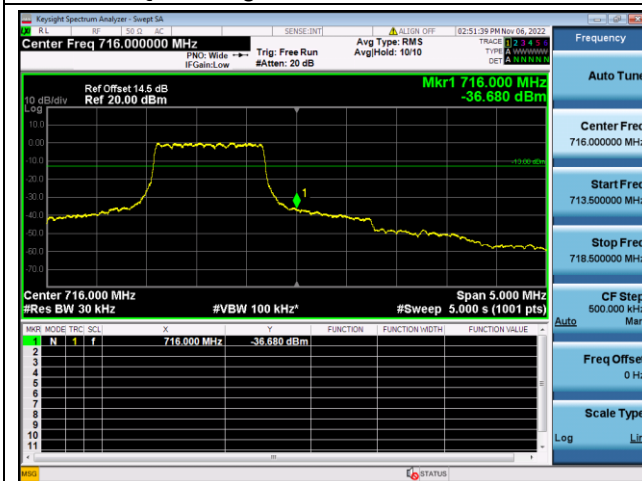
QPSK High channel-1 RB offset max



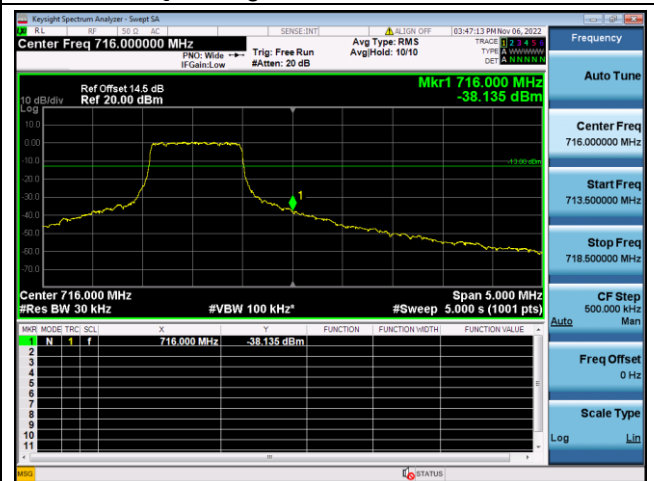
16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

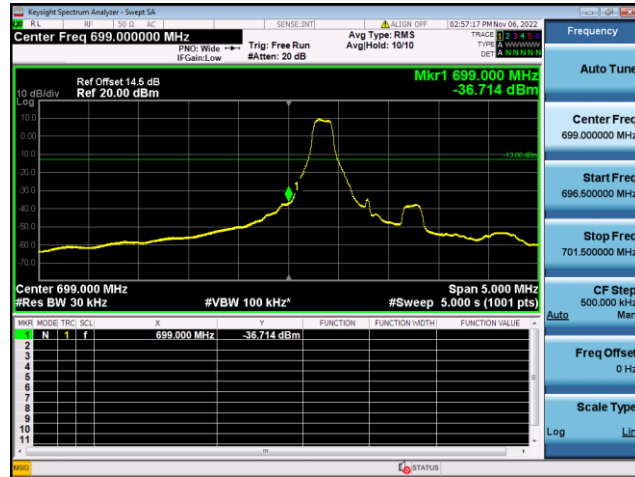


16QAM High channel-6 RB offset 0

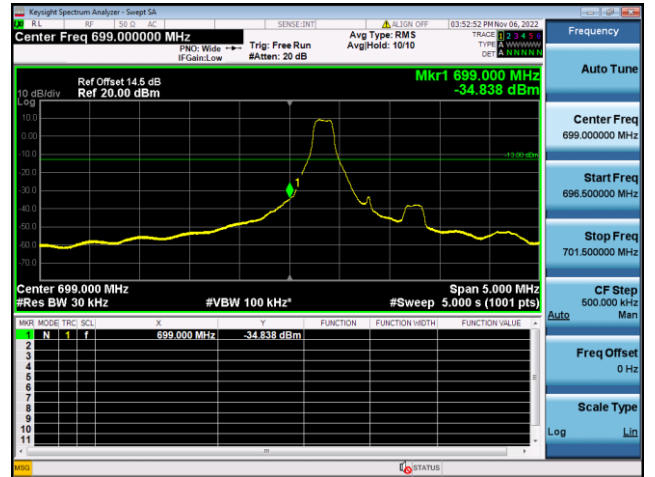


LTE FDD Band 12, Nominal Bandwidth: 5MHz

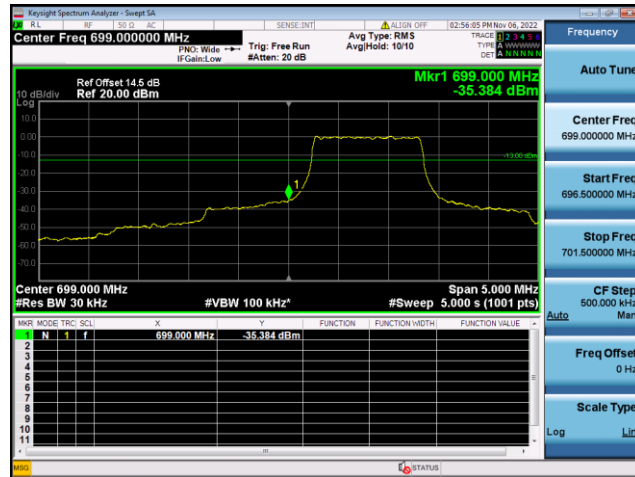
QPSK Low channel-1 RB offset 0



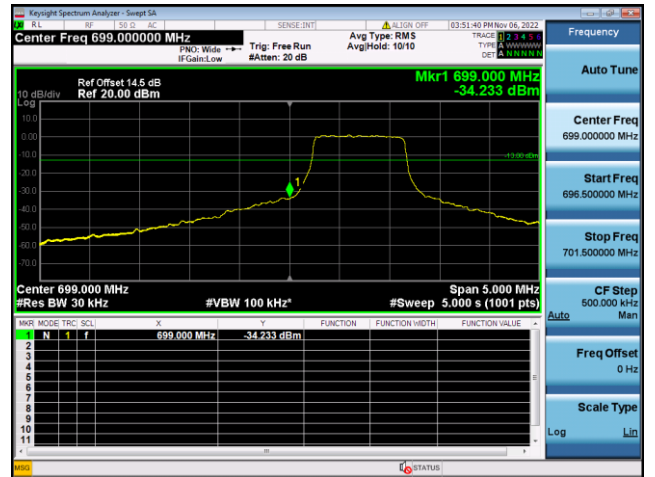
16QAM Low channel-1 RB offset 0



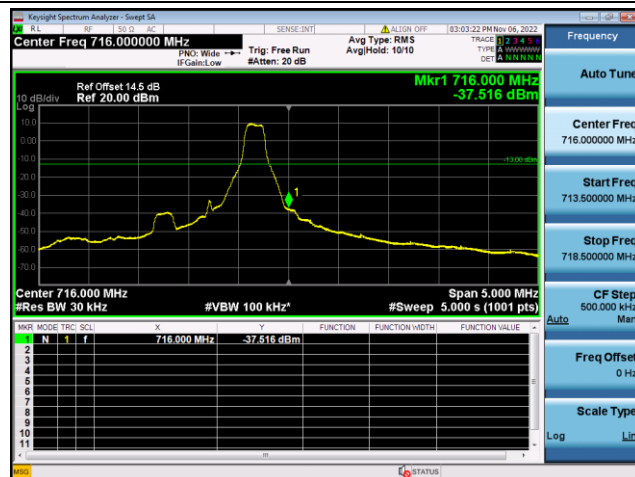
QPSK Low channel-6 RB offset 0



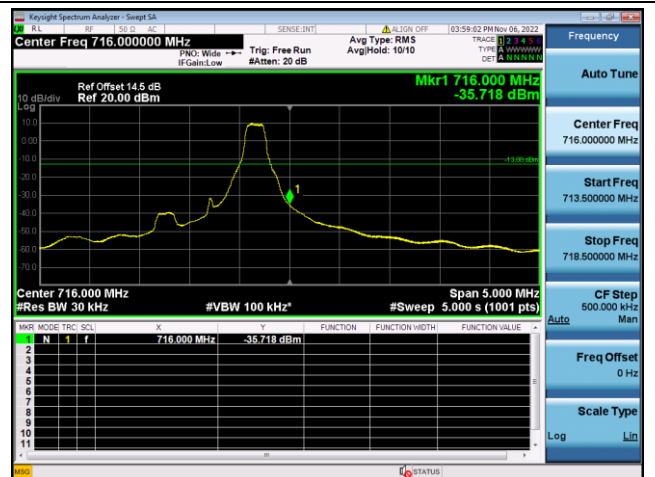
16QAM Low channel-6 RB offset 0



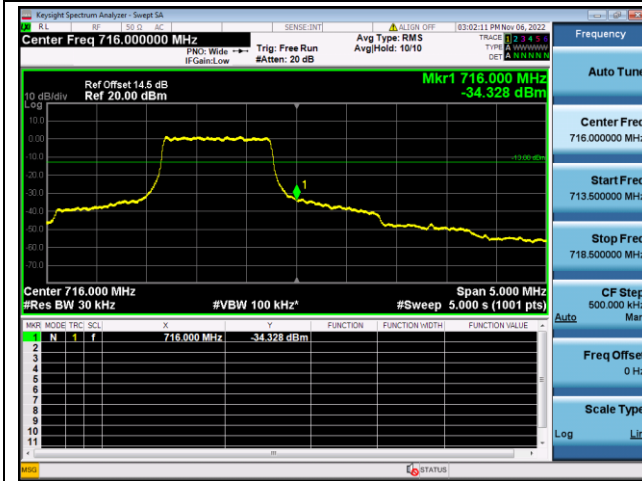
QPSK High channel-1 RB offset max



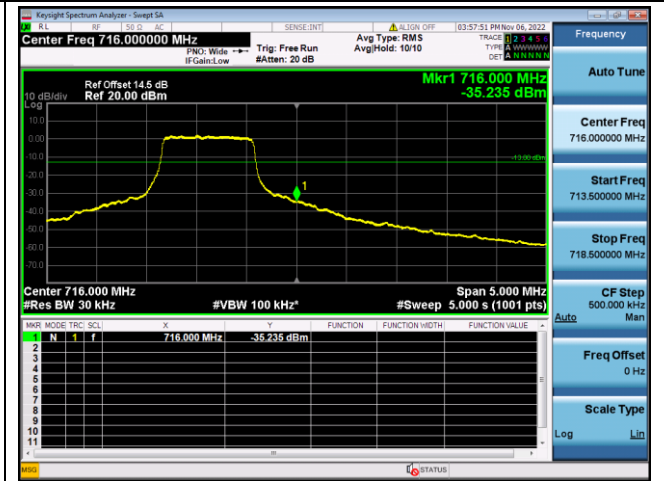
16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

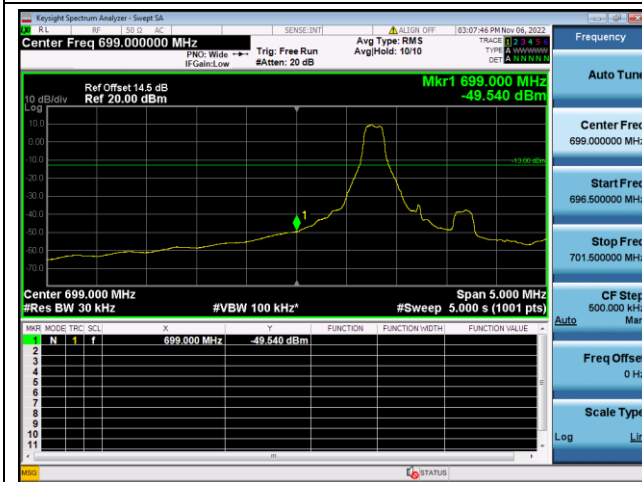


16QAM High channel-6 RB offset 0

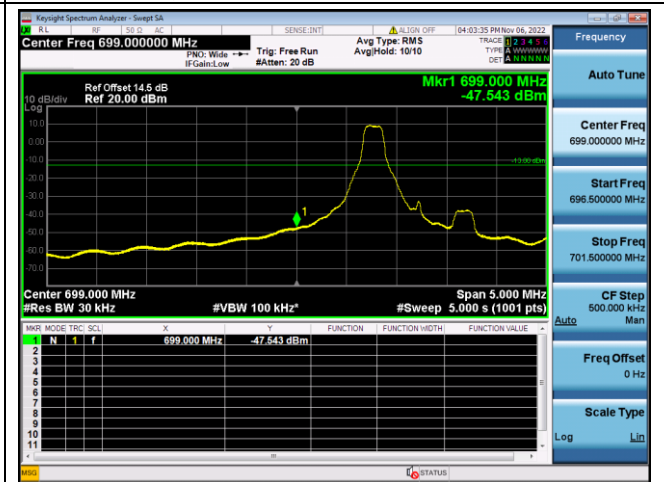


LTE FDD Band 12, Nominal Bandwidth: 10MHz

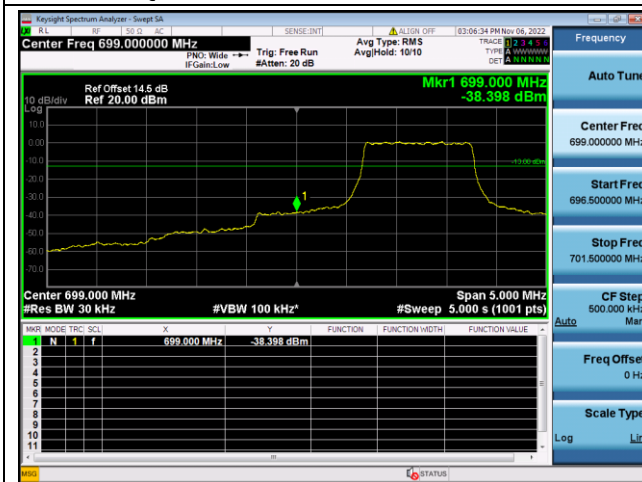
QPSK Low channel-1 RB offset 0



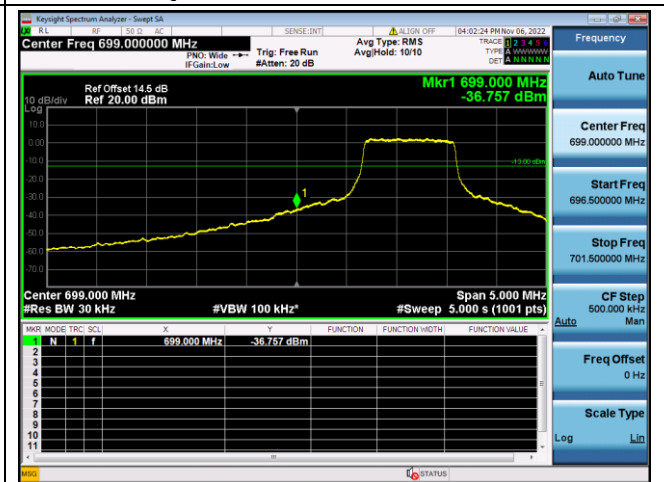
16QAM Low channel-1 RB offset 0



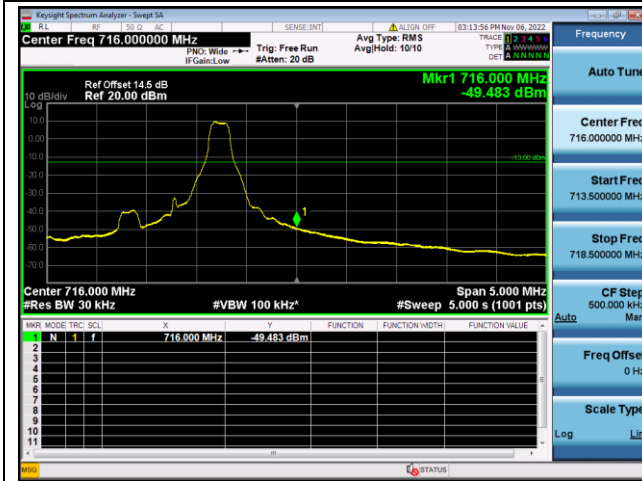
QPSK Low channel-6 RB offset 0



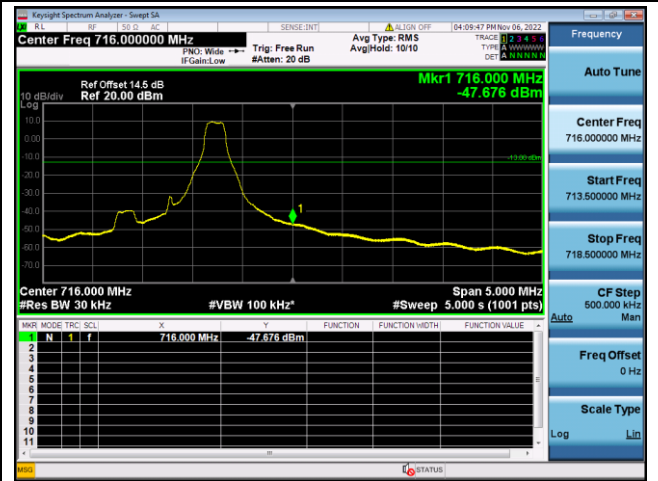
16QAM Low channel-6 RB offset 0



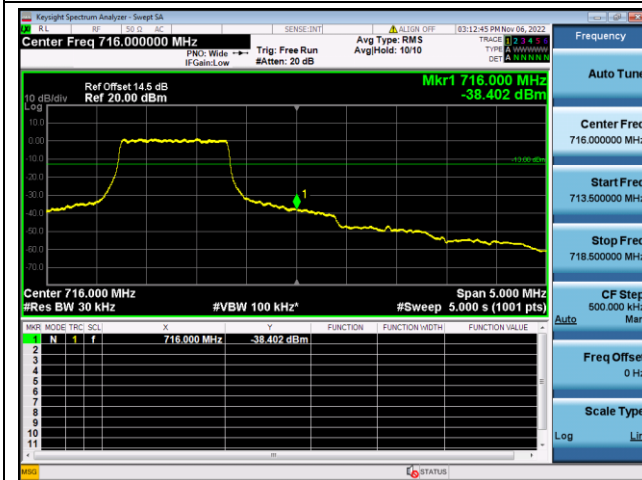
QPSK High channel-1 RB offset max



16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

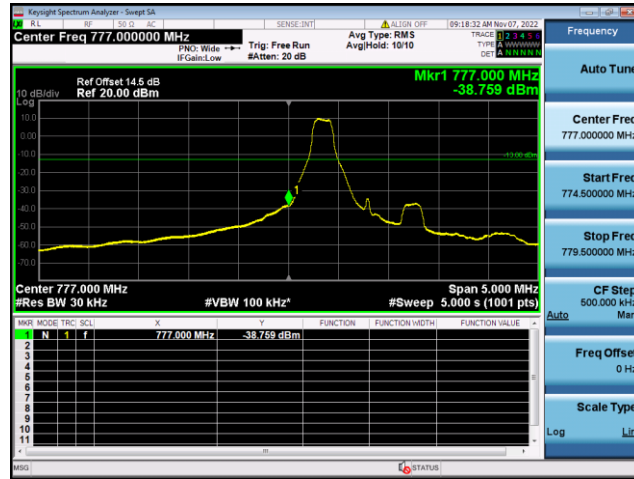


16QAM High channel-6 RB offset 0

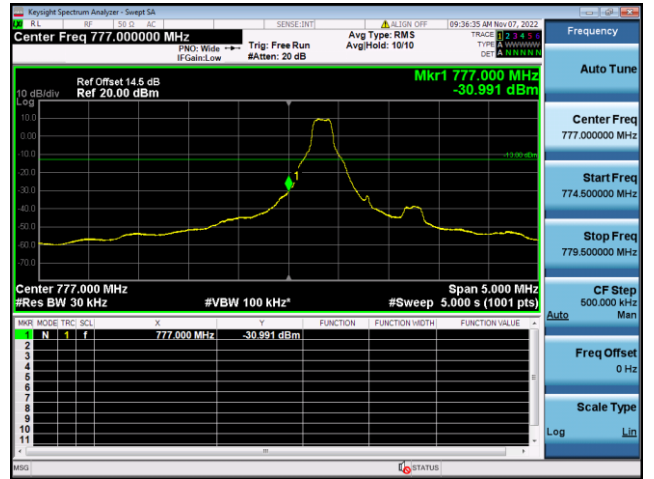


LTE FDD Band 13, Nominal Bandwidth: 5MHz

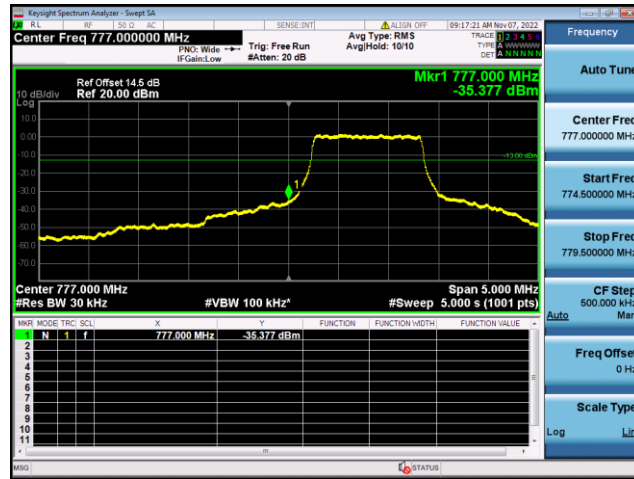
QPSK Low channel-1 RB offset 0-1



16QAM Low channel-1 RB offset 0-1



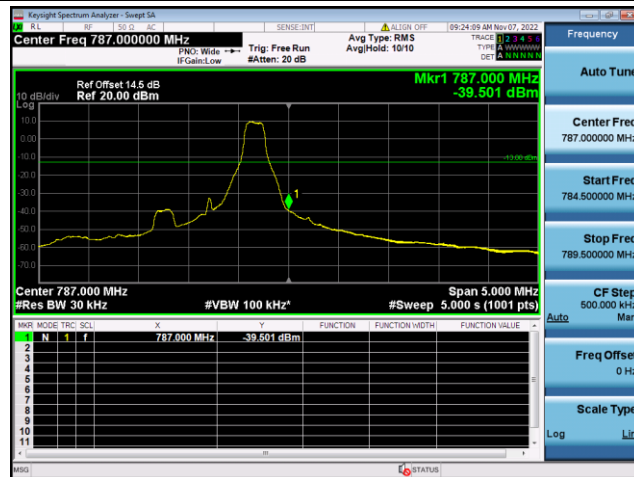
QPSK Low channel-6 RB offset 0-1



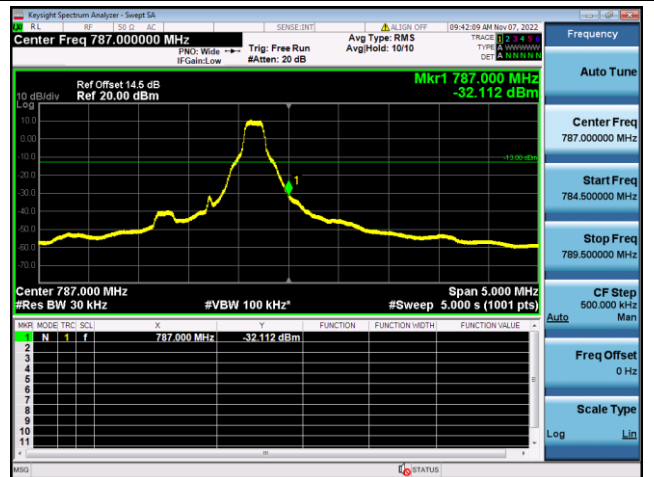
16QAM Low channel-6 RB offset 0-1



QPSK High channel-1 RB offset max-1



16QAM High channel-1 RB offset max-1



[illegible]

Keysight Spectrum Analyzer - Setup SA

RL RF SP D AC SENSE:INT

ALIGN OFF 09:40:58 AM Nov 07, 2022

Center Freq 787.000000 MHz

PNO: Wide Trig: Free Run Avg Type: RMS

IF Gain: Low #Atten: 20 dB AvgHold: 10/10

TRACE 1 2 3 4 5 6 7 8 9 10 11 12

TYPE: ANALOG DET: ENVELOPE

Auto Tune

Center Freq 787.000000 MHz

Start Freq 784.500000 MHz

Stop Freq 789.500000 MHz

CF Step 500.0000 MHz

Auto

Freq Offset 0 Hz

Scale Type Log Lin

OK STATUS

QPSK Low channel-1 RB offset 0-2	16QAM Low channel-1 RB offset 0-2
----------------------------------	-----------------------------------

Keysight Spectrum Analyzer - Sweep 5a

Row 1
 PASS PNC: Fast Trig: Free Run Avg Type: RMS
 IF Gain: Low IFatten: 20 dB AvgHeld: 10/10

03:43:26 PM Nov 15, 2022

Frequency

Auto Tune

Center Freq
 769.500000 MHz

Start Freq
 763.000000 MHz

Stop Freq
 776.000000 MHz

CF Step
 1.300000 MHz

Man

Freq Offset
 0 Hz

Scale Type

Log

10 dB/div

Ref Offset 14.5 dB
 Ref 20.00 dBm

Trace 1 Pass

Mkr1 775.990 9 MHz
 -56.985 dBm

Start 763.000 MHz
 #Res BW 6.2 kHz

#VBW 20 kHz*

Stop 776.000 MHz
 #Sweep 2.000 s (10001 pts)

Mkr Mode TRC: SCL

	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f	775.990 9 MHz	-56.985 dBm	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					

Points changed; all traces cleared

STATUS

KeySight Spectrum Analyzer - Sweep SA

SENSE: INT1

ALIGN OFF

63.4B-12 PM Nov 15, 2022

Row 1

PASS

PN0: Fast

Trig: Free Run

Avg Type: RMS

Avg/Hold: 10/10

TRACE 1 2 3 4 5

TYPE: BW Noise

DET: A BW Noise

Frequency

Auto Tune

Center Freq
769.500000 MHz

Start Freq
763.000000 MHz

Stop Freq
776.000000 MHz

CF Step
1.300000 MHz

Auto

Freq Offset
0 Hz

Scale Type
Log

10 dB/div

Ref Offset 14.6 dB

Ref 20.00 dBm

Mkr1 775.983 1 MHz

-55.318 dBm

Trace 1 Pass

Start 763.000 MHz

#Res BW 6.2 kHz

#VBW 20 kHz*

#Sweep 2.000 s (776.000 pts)

Mkr Mode TRC: SCL

X

Y

FUNCTION

FUNCTION WIDTH

FUNCTION VALUE

N	F	775.983 1 MHz	-55.318 dBm
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			

Points changed; all traces cleared

STATUS

Keylight Spectrum Analyzer - Sweep SA

SENSE:INT

ALIGN:OFF

02:42:51 PM Nov 19, 2023

Row 1

PASS

PNO: Fast

Trig: Free Run

Avg Type: RMS

Avg/Hold: 10/10

TRACER 1 2 3 4 5

TYPE A

DEF A

WNR/NR/NR

Ref Offset 14.5 dB

Ref 20.0 dBm

Mkr1 775.805 0 MHz

-50.949 dBm

10 dB/div

Trace 1 Pass

Start 763.000 MHz

#Res BW 6.2 kHz

#VBW 20 kHz*

Stop 776.000 MHz

Sweep 2.000 s (10001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	775.805 0 MHz	-50.949 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Points changed: all traces cleared

STATUS

Keysight Spectrum Analyzer - Sweep SA

SENSE: INT

ALIGN OFF

63:47:38 PM Nov 10, 2022

Row 1

PASS

Trig: Free Run

Avg Type: RMS

TrACE 1 2 3 4 5 6

TYPE: AVERAGE

REF: A 11.0000

PK: Fast

IF Gain: Low

#Att: 20 dB

Avg Hold: 10/10

Frequency

Auto Tune

Center Freq
769.500000 MHz

Start Freq
763.000000 MHz

Stop Freq
776.000000 MHz

CF Step
1.300000 MHz

Auto

Freq Offset
0 Hz

Scale Type
Log Lin

Start 763.000 MHz
#Res BW 6.2 kHz

#VBW 20 kHz

Stop 776.000 MHz
#Sweep 2.000 s (10001 pts)

10 dB/div

Ref Offset 14.5 dB

Ref 20.00 dBm

Trace 1 Pass

Mkr1 775.916 8 MHz
-51.977 dBm

MARK MODE TRC: SCL

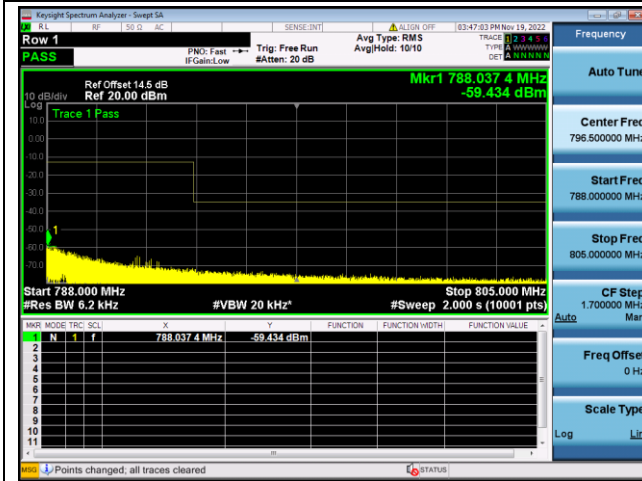
X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE

N	F	F			
1			775.916 8 MHz	-51.977 dBm	
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					

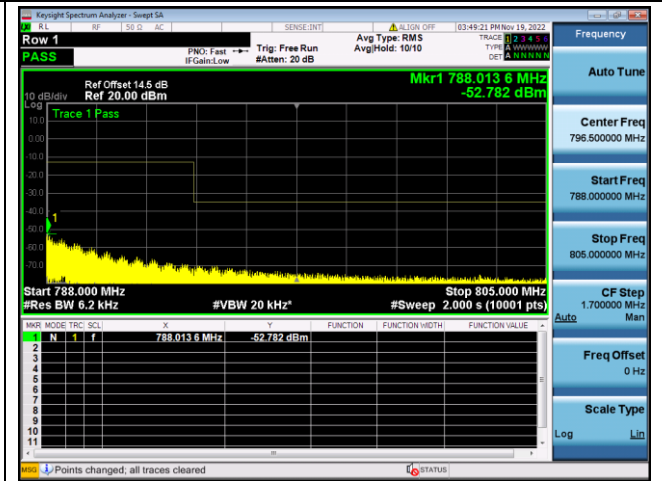
Points changed; all traces cleared

STATUS

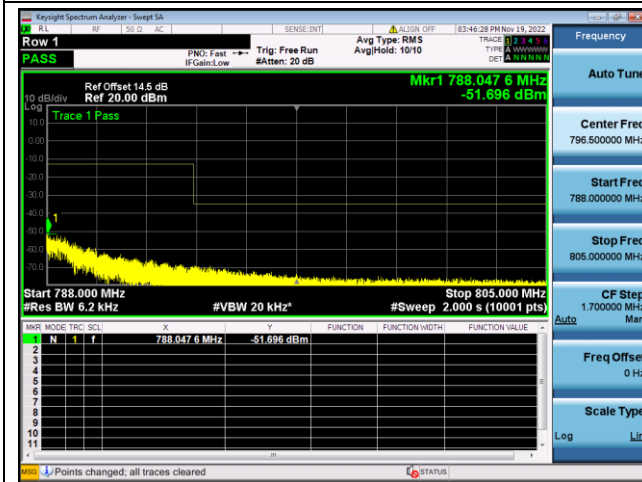
QPSK High channel-1 RB offset max-2



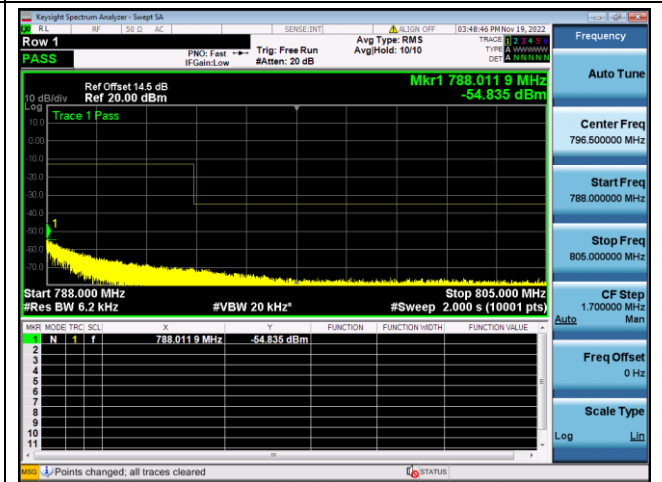
16QAM High channel-1 RB offset max-2



QPSK High channel-6 RB offset 0-2

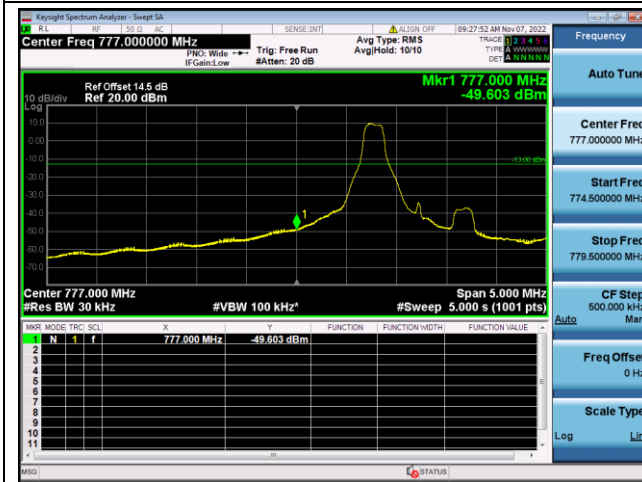


16QAM High channel-6 RB offset 0-2



LTE FDD Band 13, Nominal Bandwidth: 10MHz

QPSK Low channel-1 RB offset 0-1



16QAM Low channel-1 RB offset 0-1

