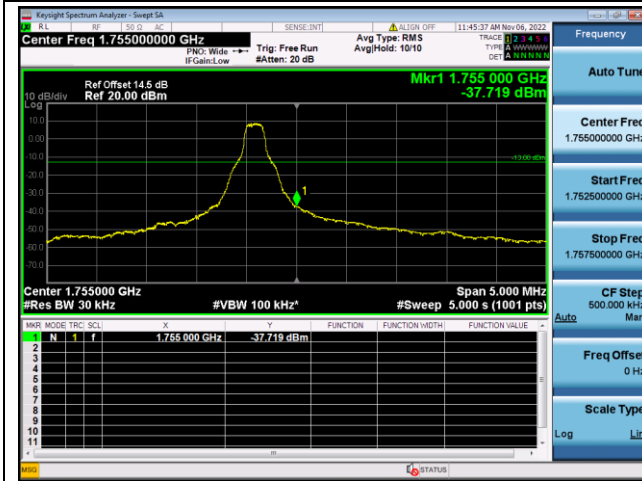
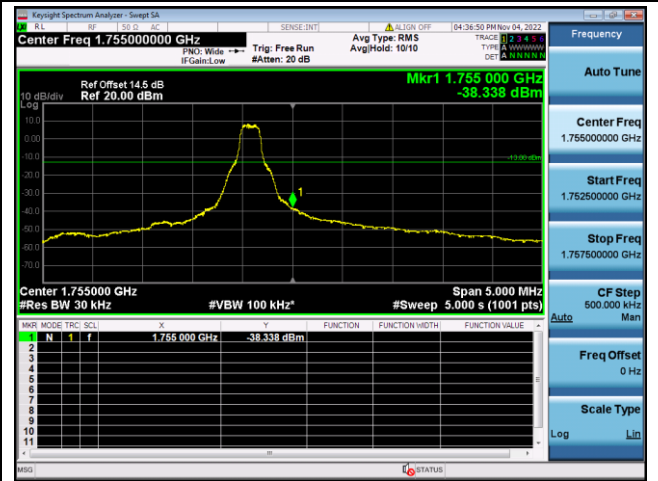


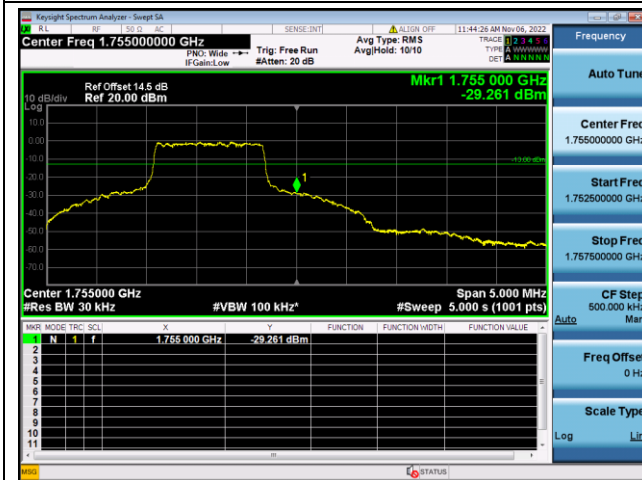
QPSK High channel-1 RB offset max



16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

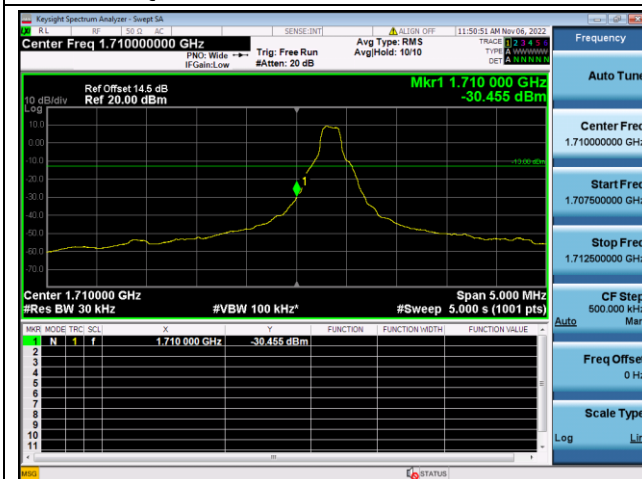


16QAM High channel-6 RB offset 0

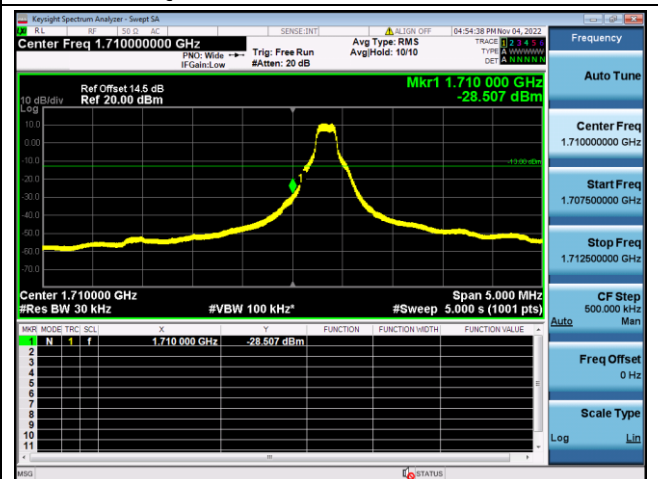


LTE FDD Band 4, Nominal Bandwidth: 5MHz

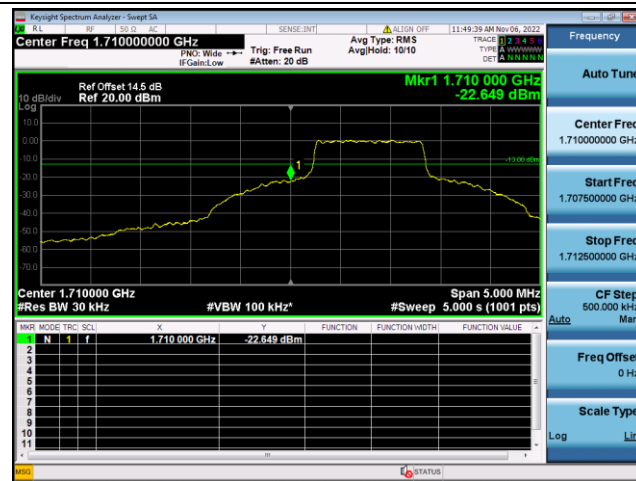
QPSK Low channel-1 RB offset 0



16QAM Low channel-1 RB offset 0



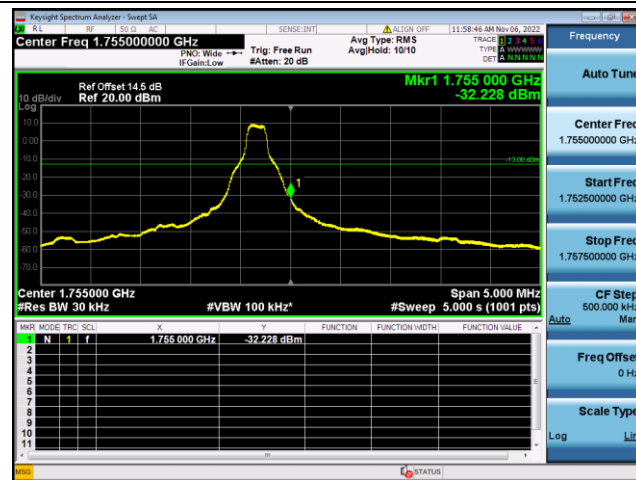
QPSK Low channel-6 RB offset 0



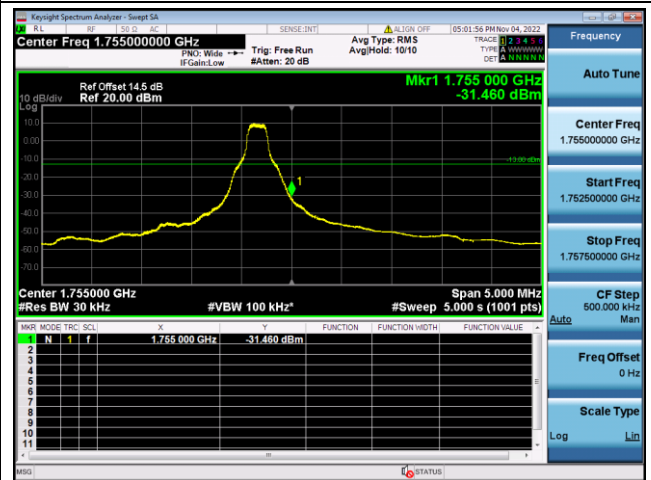
16QAM Low channel-6 RB offset 0



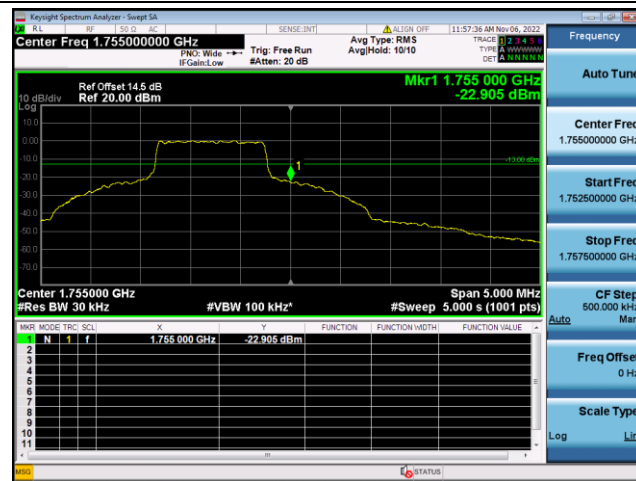
QPSK High channel-1 RB offset max



16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

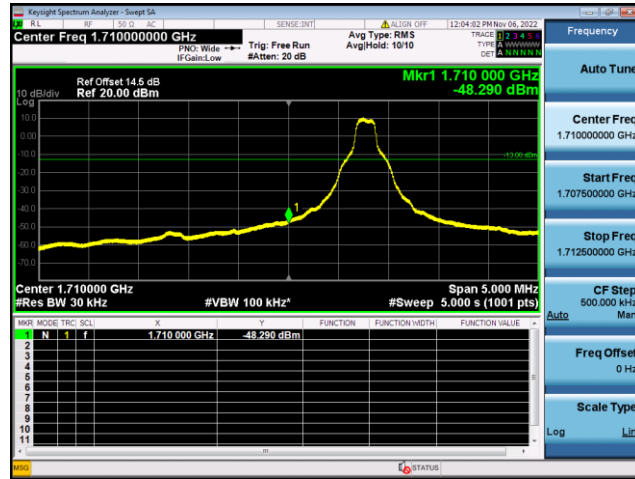


16QAM High channel-6 RB offset 0

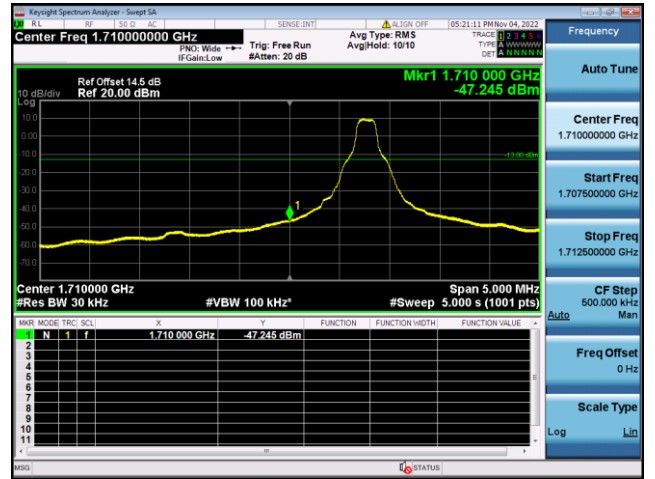


LTE FDD Band 4, Nominal Bandwidth: 10MHz

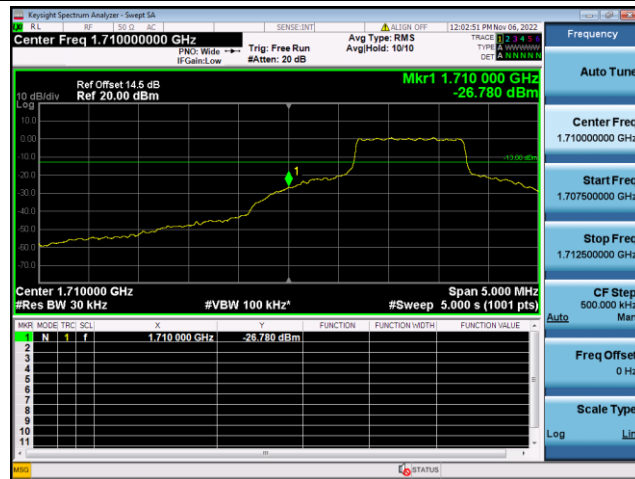
QPSK Low channel-1 RB offset 0



16QAM Low channel-1 RB offset 0



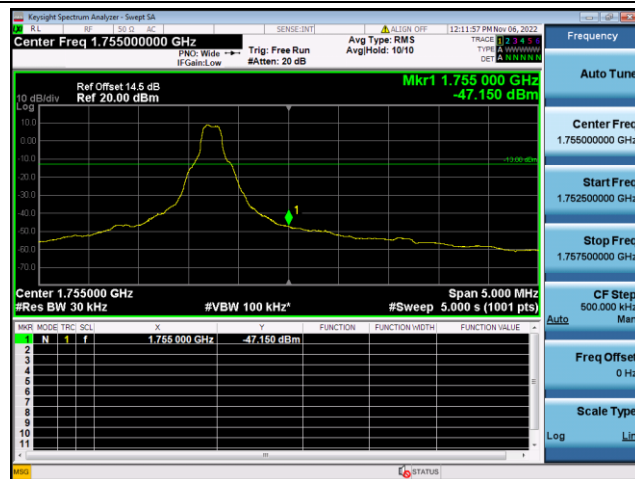
QPSK Low channel-6 RB offset 0



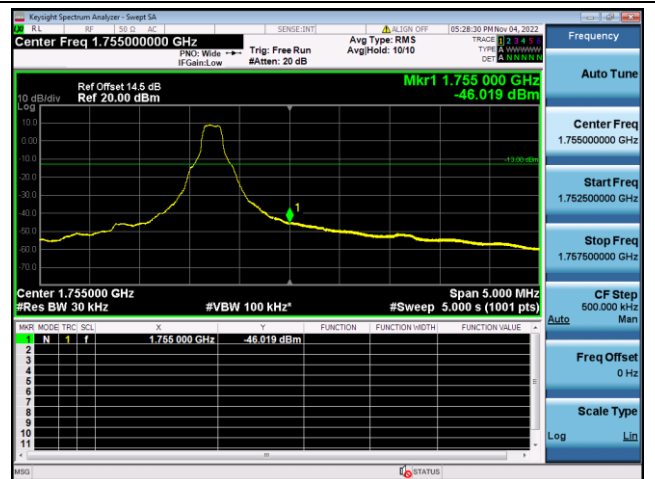
16QAM Low channel-6 RB offset 0



QPSK High channel-1 RB offset max



16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

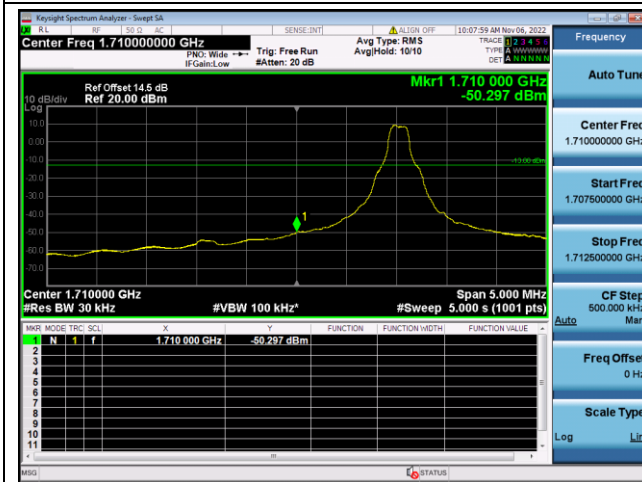


16QAM High channel-6 RB offset 0

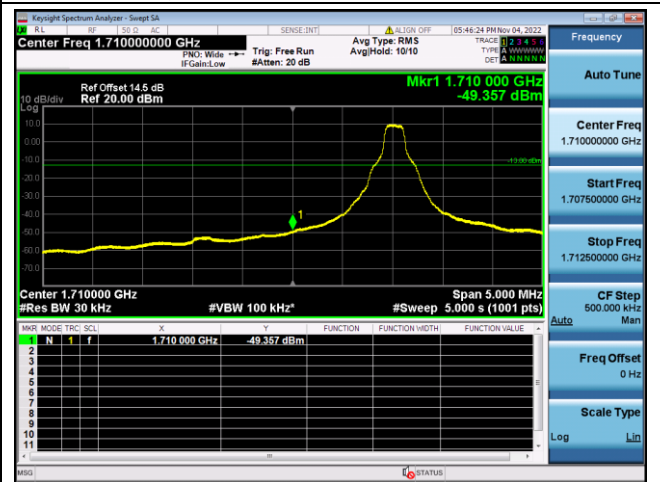


LTE FDD Band 4, Nominal Bandwidth: 15MHz

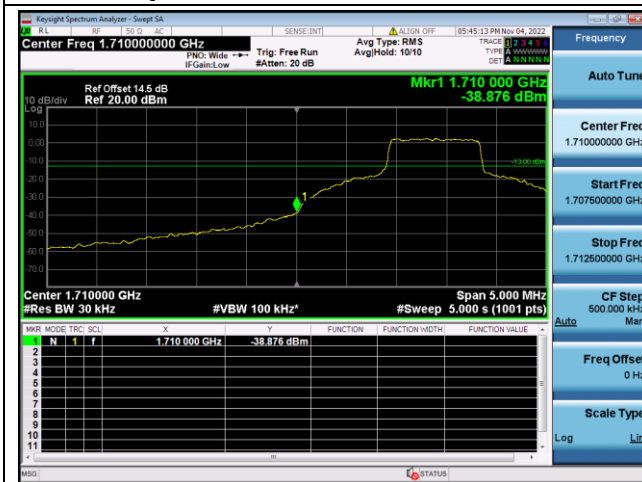
QPSK Low channel-1 RB offset 0



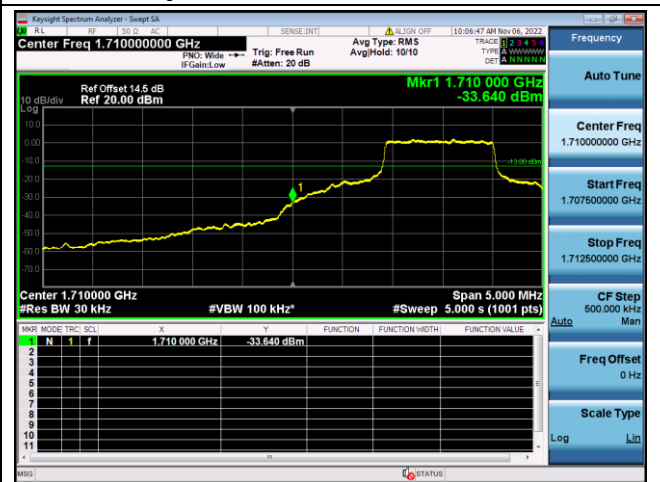
16QAM Low channel-1 RB offset 0



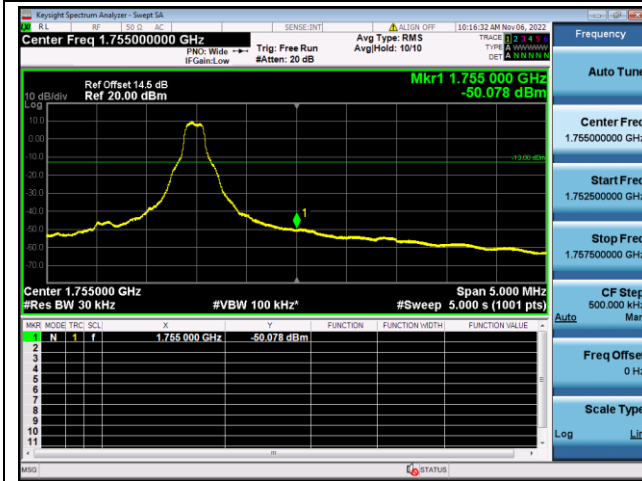
QPSK Low channel-6 RB offset 0



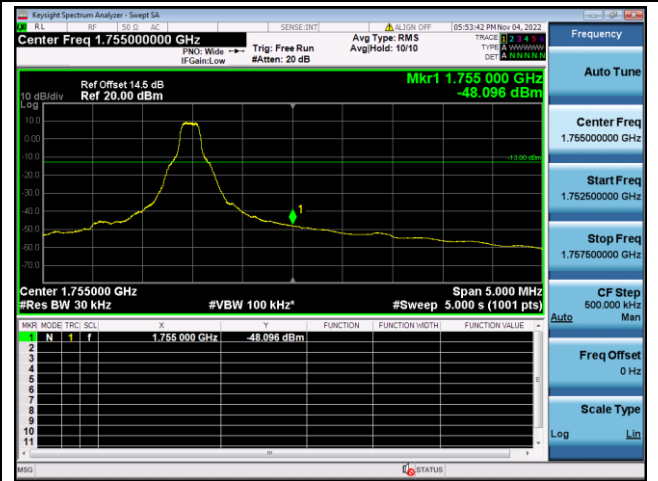
16QAM Low channel-6 RB offset 0



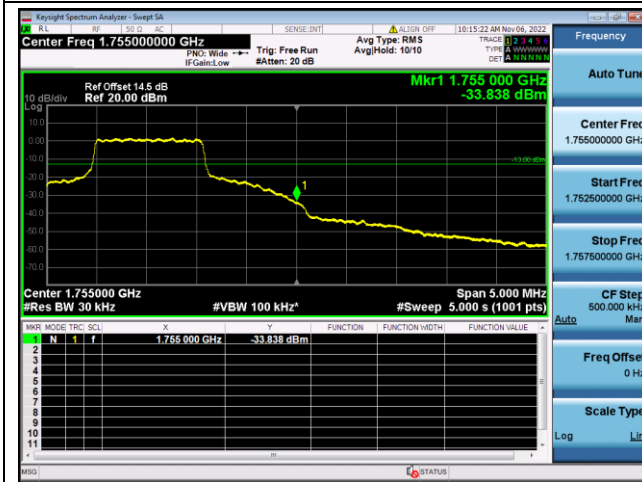
QPSK High channel-1 RB offset max



16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

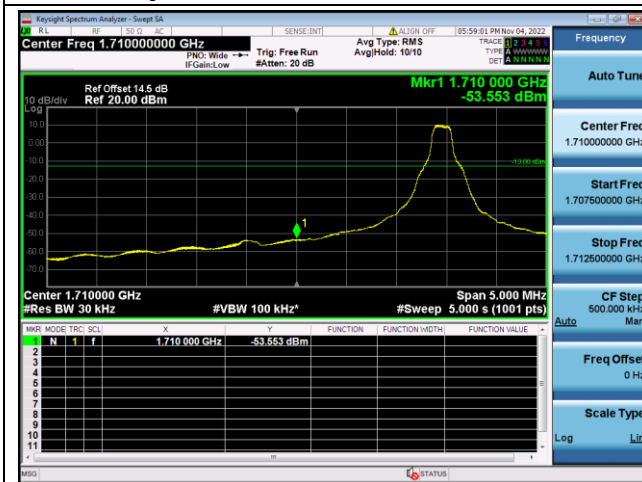


16QAM High channel-6 RB offset 0

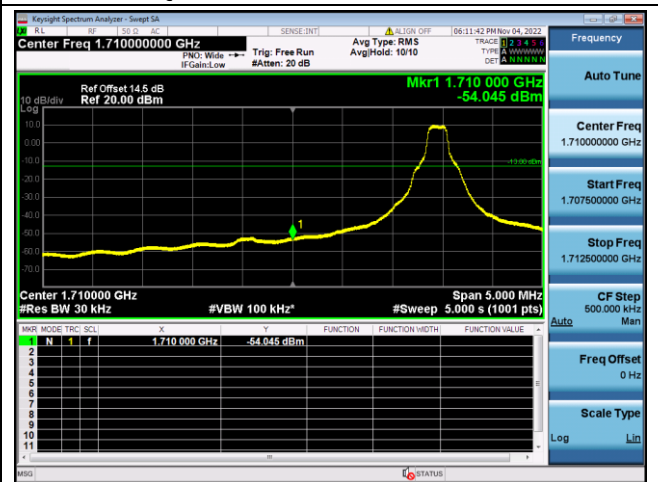


LTE FDD Band 4, Nominal Bandwidth: 20MHz

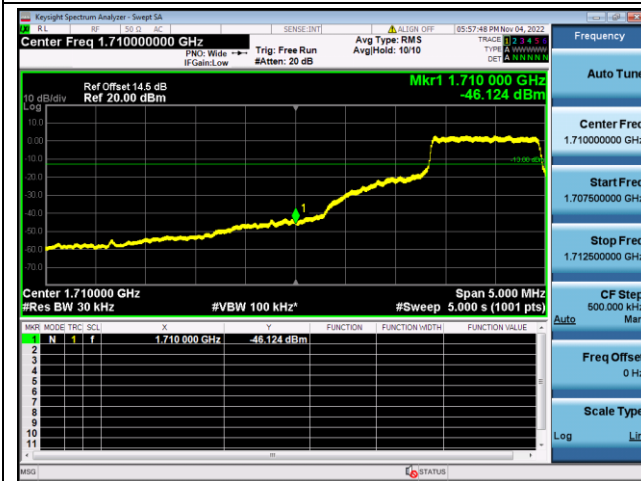
QPSK Low channel-1 RB offset 0



16QAM Low channel-1 RB offset 0



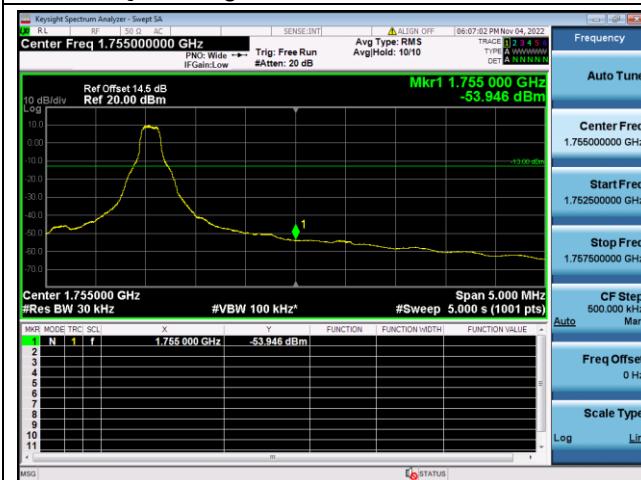
QPSK Low channel-6 RB offset 0



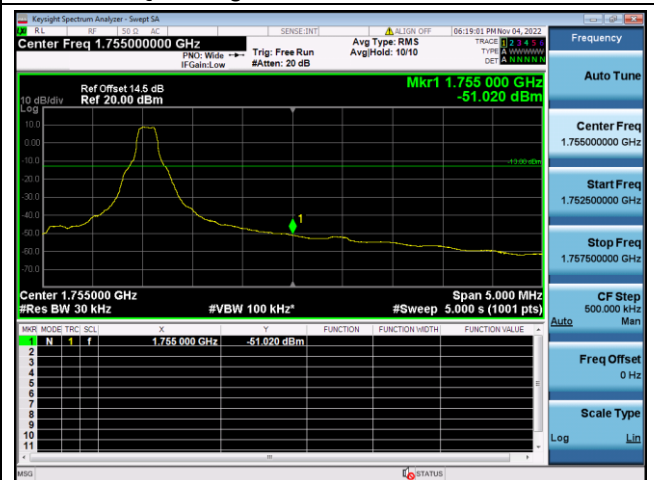
16QAM Low channel-6 RB offset 0



QPSK High channel-1 RB offset max



16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

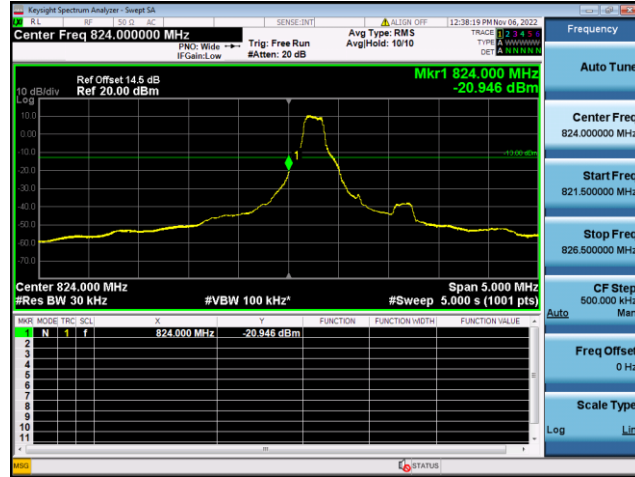


16QAM High channel-6 RB offset 0

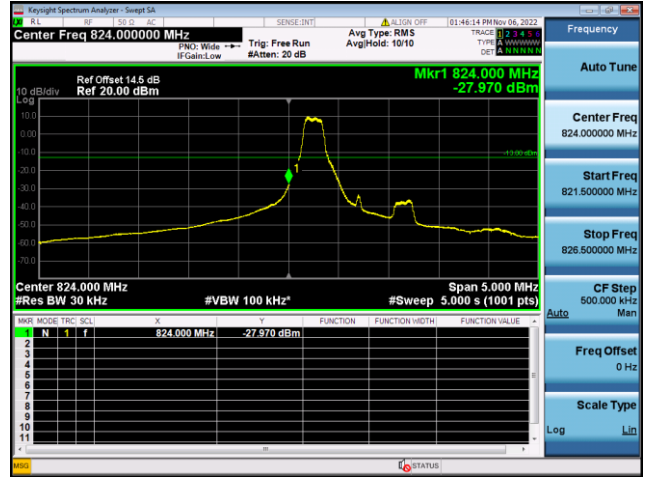


LTE FDD Band 5, Nominal Bandwidth: 1.4MHz

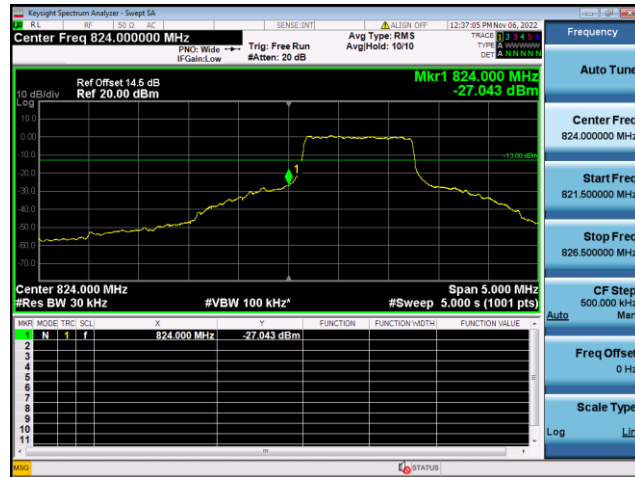
QPSK Low channel-1 RB offset 0



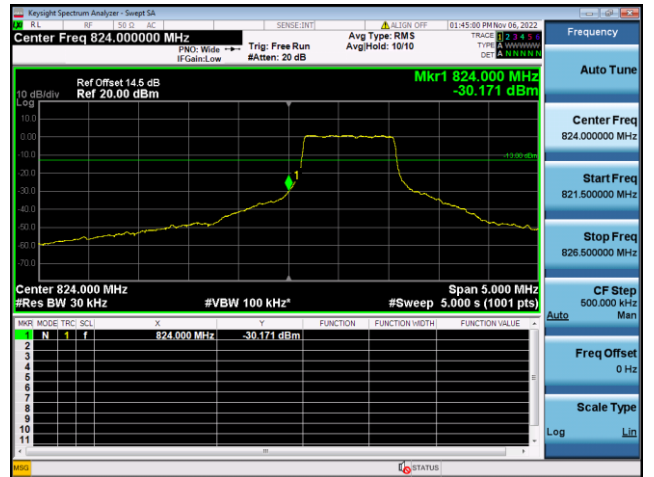
16QAM Low channel-1 RB offset 0



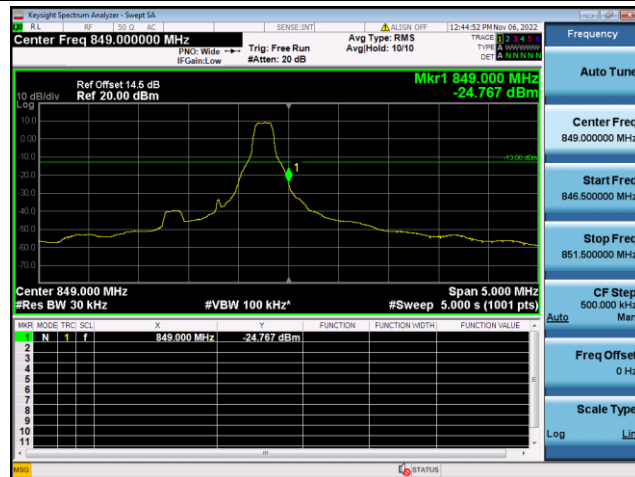
QPSK Low channel-6 RB offset 0



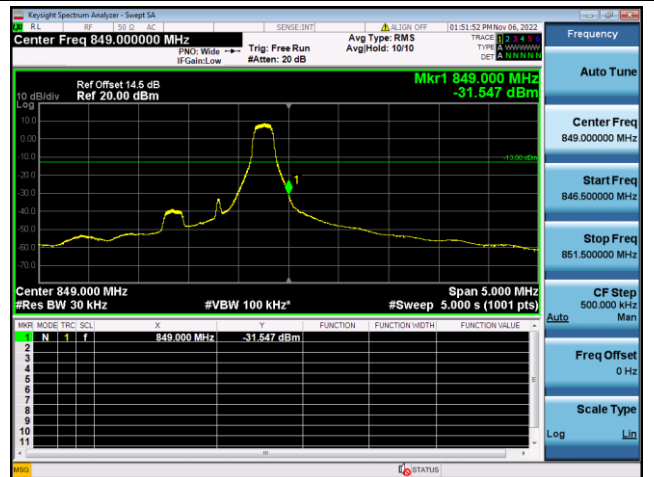
16QAM Low channel-6 RB offset 0



QPSK High channel-1 RB offset max



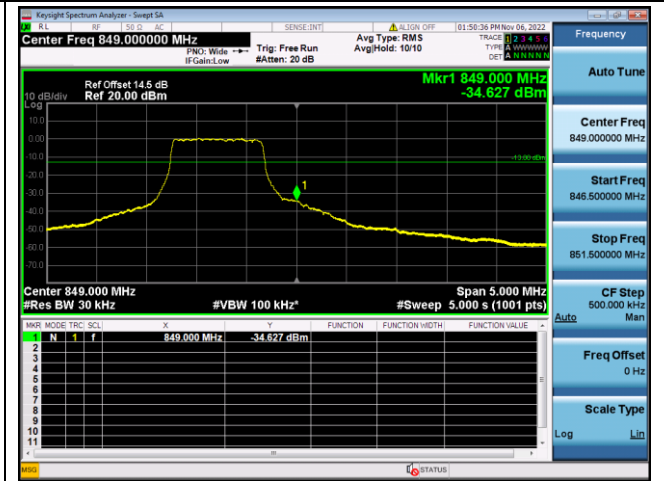
16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

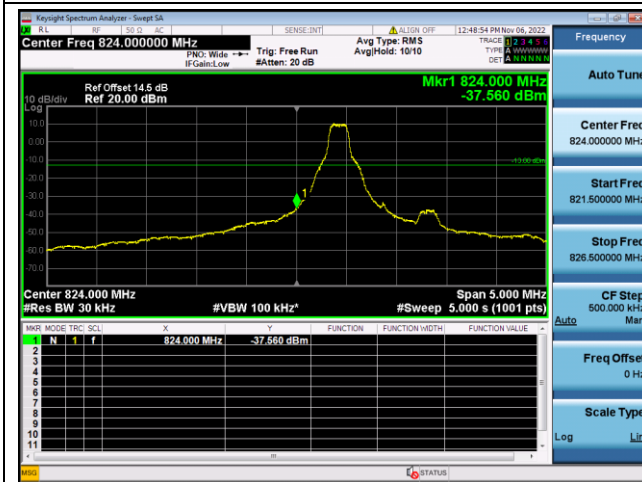


16QAM High channel-6 RB offset 0

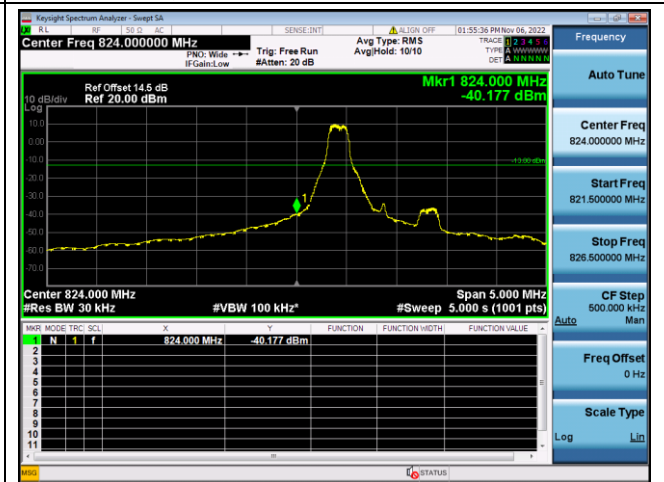


LTE FDD Band 5, Nominal Bandwidth: 3MHz

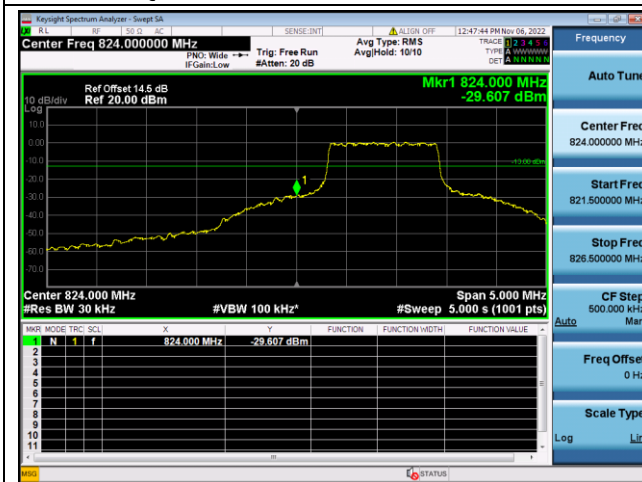
QPSK Low channel-1 RB offset 0



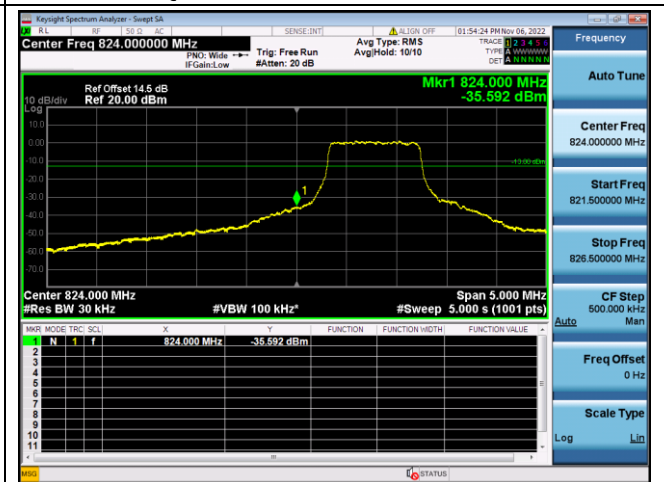
16QAM Low channel-1 RB offset 0



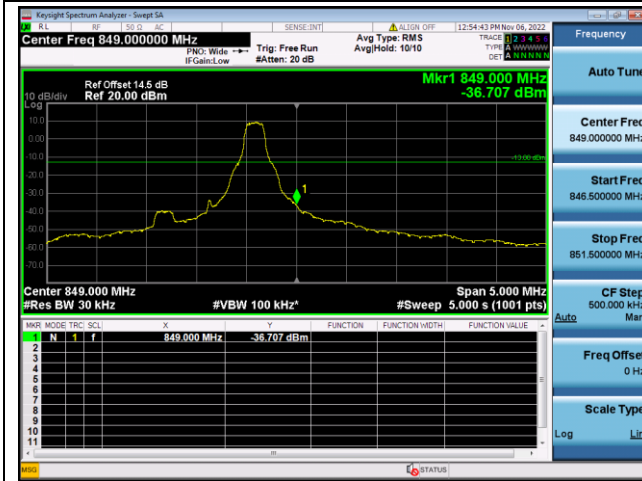
QPSK Low channel-6 RB offset 0



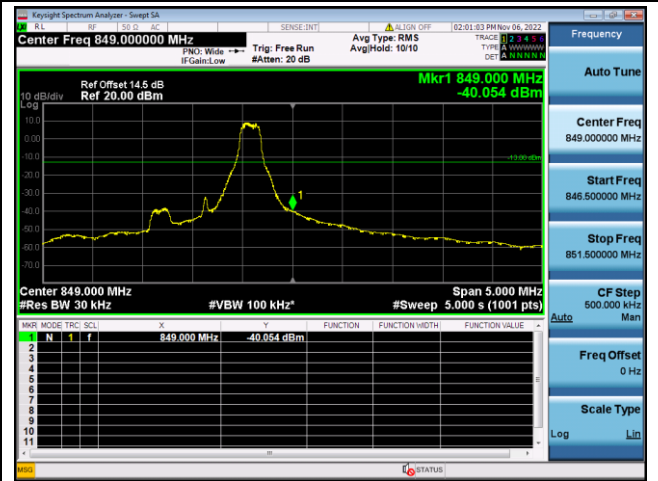
16QAM Low channel-6 RB offset 0



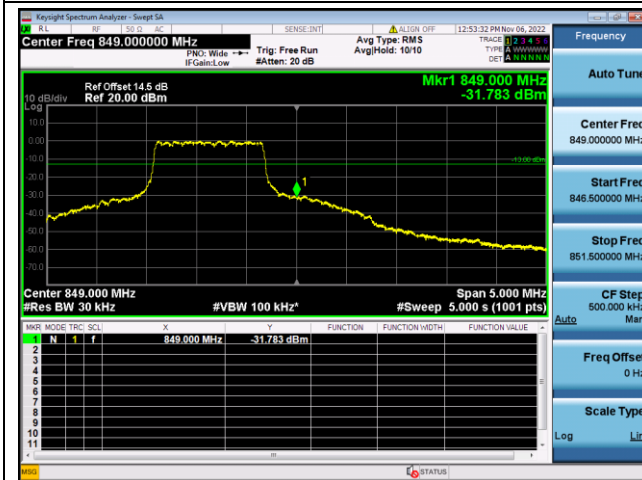
QPSK High channel-1 RB offset max



16QAM High channel-1 RB offset max



QPSK High channel-6 RB offset 0

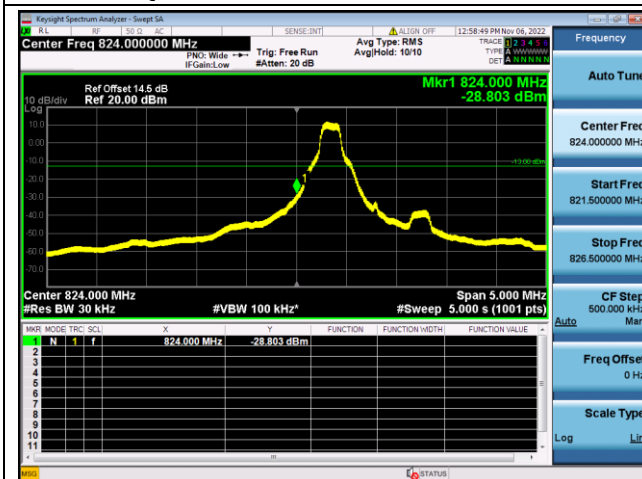


16QAM High channel-6 RB offset 0

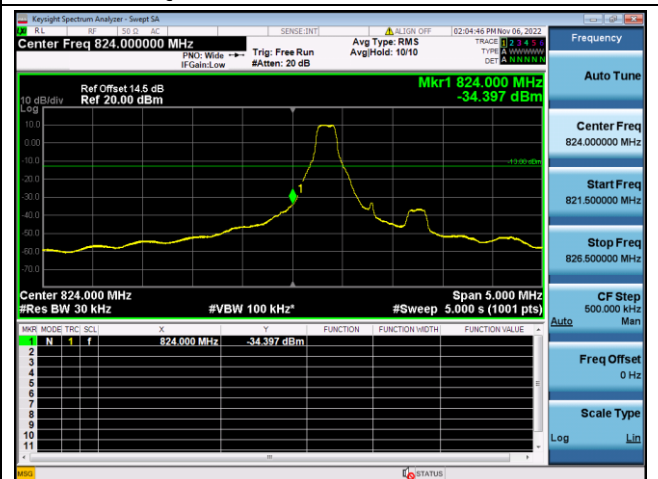


LTE FDD Band 5, Nominal Bandwidth: 5MHz

QPSK Low channel-1 RB offset 0



16QAM Low channel-1 RB offset 0



Keysight Spectrum Analyzer - Sweep SA

Center Freq 824.000000 MHz

Ref Offset 14.5 dB
Ref 20.00 dBm

Trig: Free Run
#Att: 20 dB

Avg Type: RMS
Avg/Hold: 10/10

12:57:38 PM Nov 05, 2023

TRACE 1 2 3 4 5
TYPE A W W W W W
DEF 300 N N N N N

Mkr1 824.000 MHz
-23.875 dBm

Center 824.000 MHz
#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	824.000 MHz	-23.875 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

Auto Tune

Center Freq 824.000000 MHz

Start Freq 821.500000 MHz

Stop Freq 826.500000 MHz

CF Step 500.000000 MHz

Scale Type

Log

STATUS

Keylight Spectrum Analyzer - Sweep SA

02:03:35 PM Nov 06, 2022

Center Freq 824.000000 MHz

Ref Offset 14.5 dB
Ref 20.00 dBm

PKW: Wide → IF Gain: Low

Trig: Free Run #Att: 20 dB

Avg Type: RMS AvgHold: 10/10

TRACE 0 2 3 4 5 6 7 8 9 10 11
TYPE: A POWER
DET: A NORM

Frequency

Auto Tune

Center Freq 824.000000 MHz

Start Freq 821.500000 MHz

Stop Freq 826.500000 MHz

CF Step 500.000000 MHz Man

Auto

Freq Offset 0 Hz

Scale Type Log Lin

Mkr1 824.000 MHz
-30.239 dBm

Center 824.000 MHz
#Res BW 30 kHz #VBW 100 kHz* #Sweep 5.000 s (1001 pts)

MKR	MODE	TRG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	F	824.000 MHz	-30.239 dBm			

Center Freq 849.000000 MHz
 PNC: Wide
 IF Gain: Low
 Trig: Free Run
 Attenu: 20 dB
 Avg Type: RMS
 Avg Hold: 10/10
 TRAC1 849.000 MHz -31.300 dBm
 Mkr1 849.000 MHz -31.300 dBm
 Ref Offset 14.5 dB
 Ref 20.00 dBm
 10 dB/dB
 Center 849.000 MHz
 #Res BW 30 kHz
 #VBW 100 kHz*
 Span 5.000 MHz
 #Sweep 5.000 s (1001 pts)
 MKR MODE TRC: SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
 1 N 1 f 849.000 MHz -31.300 dBm
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 6 STATUS

Keygraph Spectrum Analyzer - Sweep 5A

Center Freq 849.000000 MHz

Ref Offset 14.5 dB
Ref 20.00 dBm

PNO: Wide → IF Gain: Low

Trig: Free Run

ATTen: 20 dB

Avg Type: RMS
Avg Hold: 10/10

Mkr1 849.000 MHz
-35.976 dBm

Center 849.000 MHz
#Res 30 kHz
#VBW 100 kHz
#Sweep 5.000 s (1001 pts)

Span 5.000 MHz

CF Step 500.0000 MHz
Man

Auto

Freq Offset 0 Hz

Scale Type Log Lin

NR MODE TRC: SCL

	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	849.000 MHz	-35.976 dBm			

Keysight Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 14.5 dB
Ref 20.00 dBm

PNC: Wide →
IF Gain: Low

Trig: Free Run
#Atten: 20 dB

Avg Type: RMS
Avg/Hold: 10/10

ALIGN OFF

01:03:30 PM Nov 05, 2023

TRACE 1 1 2 3 4 5
TYPE A W W W W W
OFF 0.000000 MHz

Mkr1 849.000 MHz
-24.949 dBm

10 dB/div

Center 849.000 MHz
#Res BW 30 kHz
#VBW 100 kHz*
#Sweep 5.000 s (1001 pts)

Span 849.000 MHz

MR MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	849.000 MHz	-24.949 dBm		
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							

MR00

STATUS

Keysight Spectrum Analyzer - Sweet 5A

SP = 1 52.00 MHz

SENSE: INT

ALIGN OFF

02:09:03 PM Nov 04, 2022

Center Freq 849.000000 MHz

Trig: Free Run

Avg Type: RMS

Span: 5.000 MHz

Ref Offset 14.5 dB

Ref 20.00 dBm

PK: Wide

IF Gain: Low

#Att: 20 dB

Mkr1 849.000 MHz -32.449 dBm

10 dB/div

Center 849.000 MHz

#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	849.000 MHz	-32.449 dBm			

Auto

Freq Offset 0 Hz

Scale Type Log Lin

STATUS