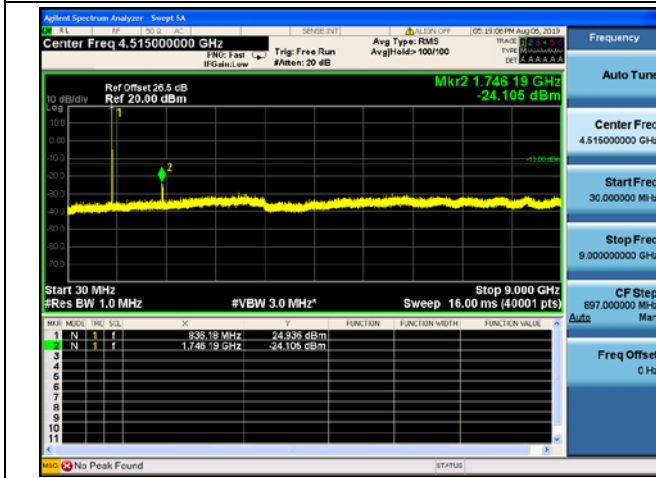


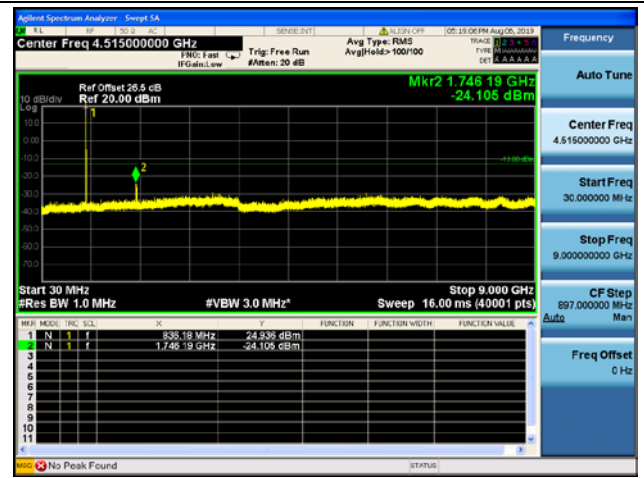


LTE Band 5 CSE

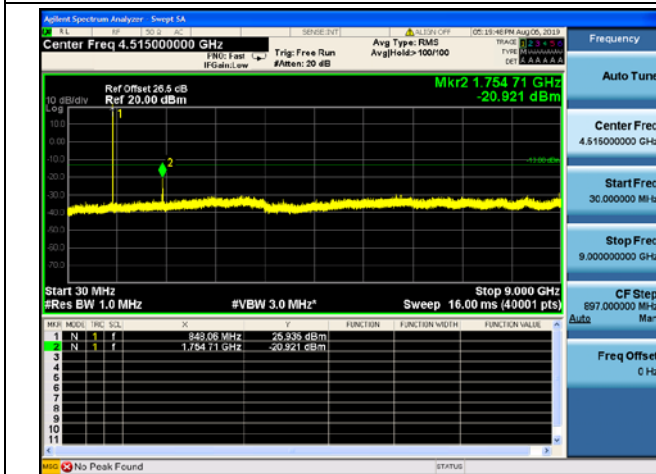
1.4MHz/QPSK/Low CH



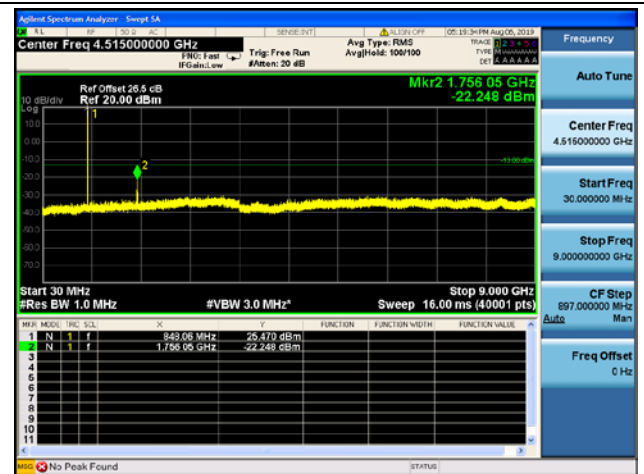
1.4MHz/16QAM/Low CH



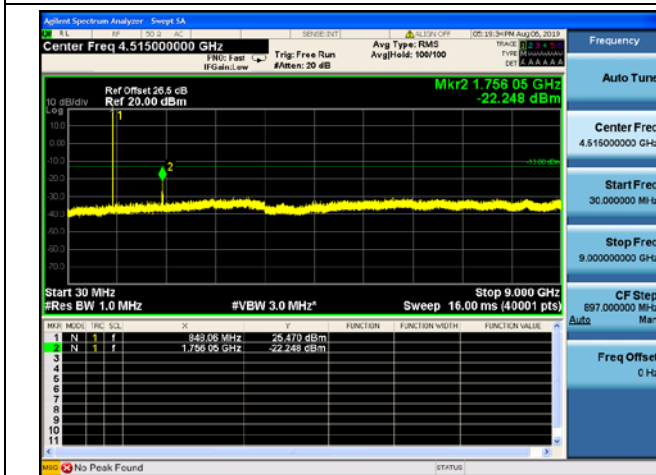
1.4MHz/QPSK/High CH



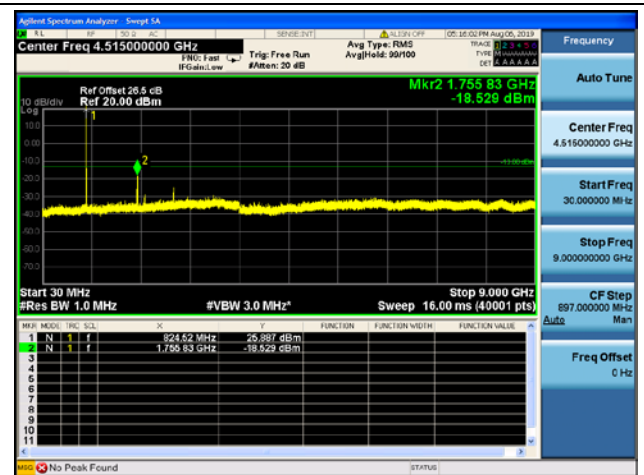
1.4MHz/16QAM/High CH



1.4MHz/64QAM/High CH

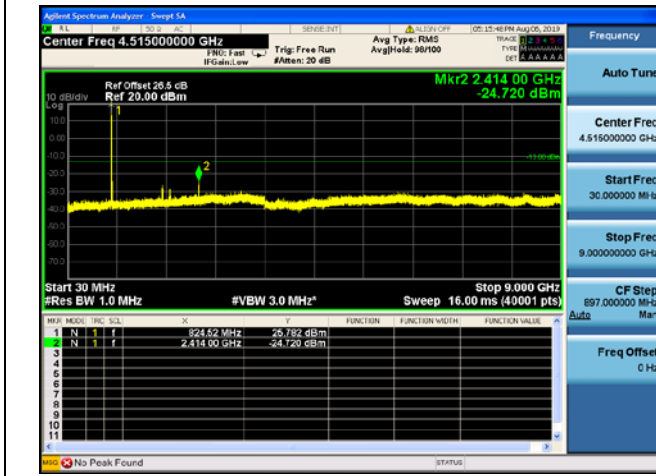


3MHz/QPSK/Low CH





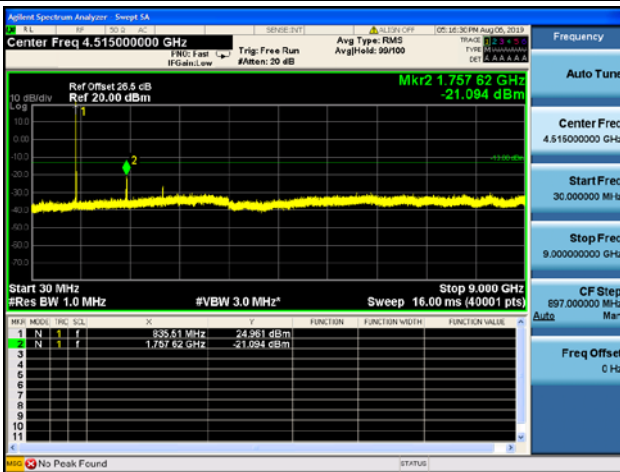
3MHz/16QAM/Low CH



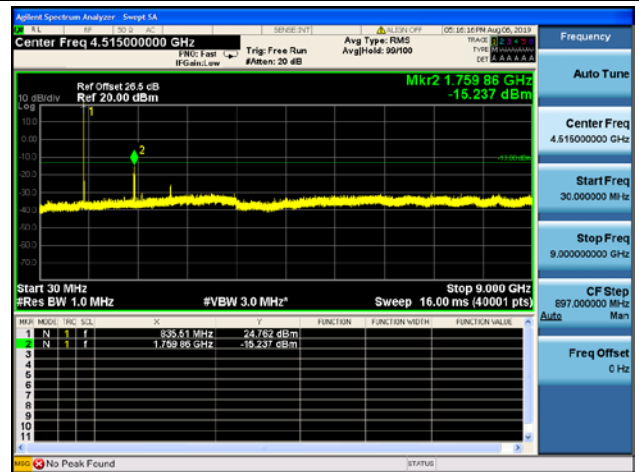
3MHz/64QAM/Low CH



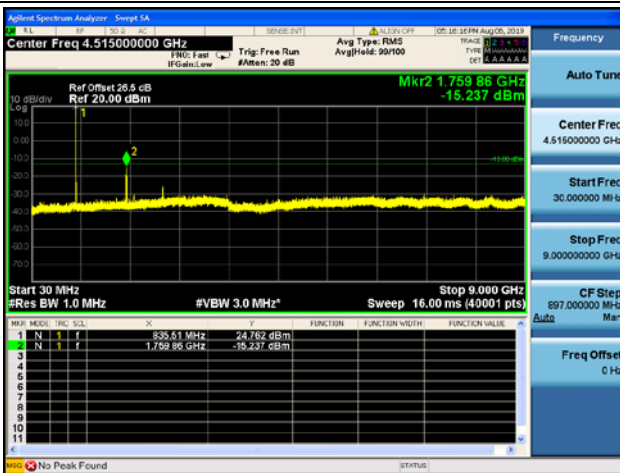
3MHz/QPSK/Mid CH



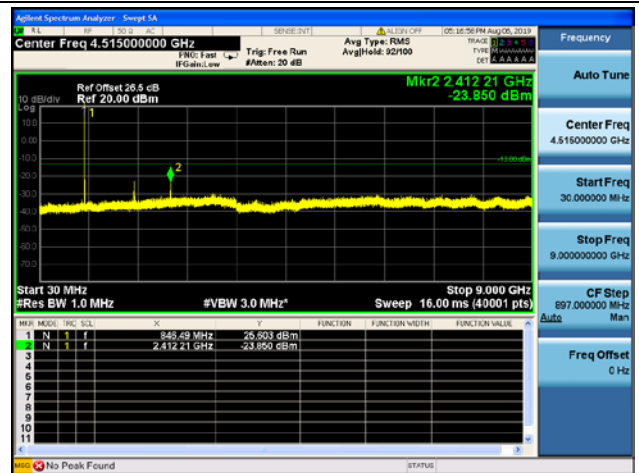
3MHz/16QAM/Mid CH



3MHz/64QAM/Mid CH



3MHz/QPSK/High CH





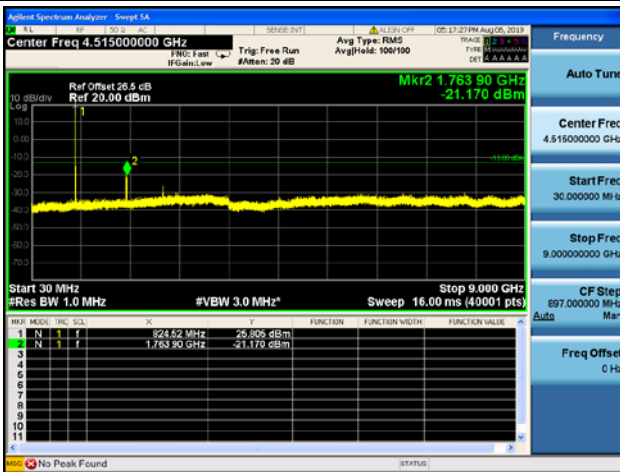
3MHz/16QAM/High CH



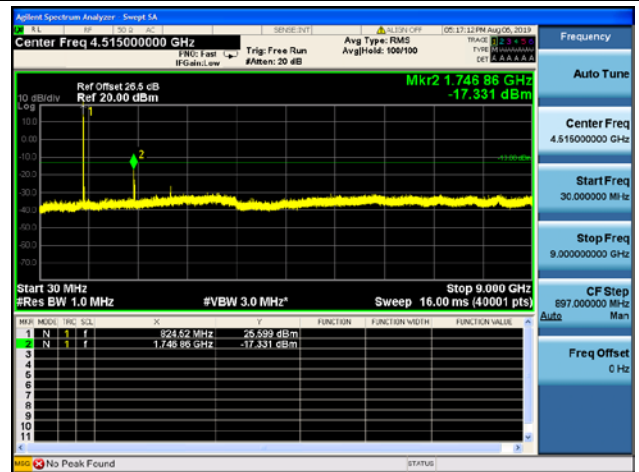
3MHz/64QAM/High CH



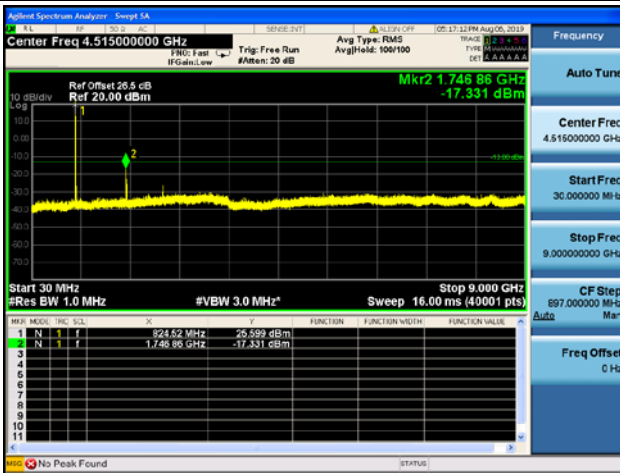
5MHz/QPSK/Low CH



5MHz/16QAM/Low CH



5MHz/64QAM/Low CH

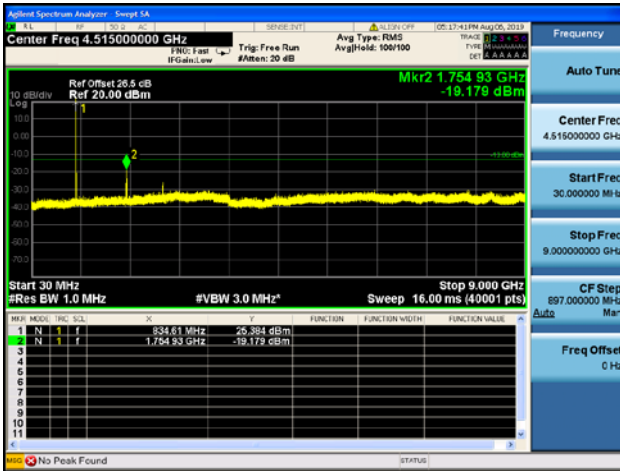


5MHz/QPSK/Mid CH

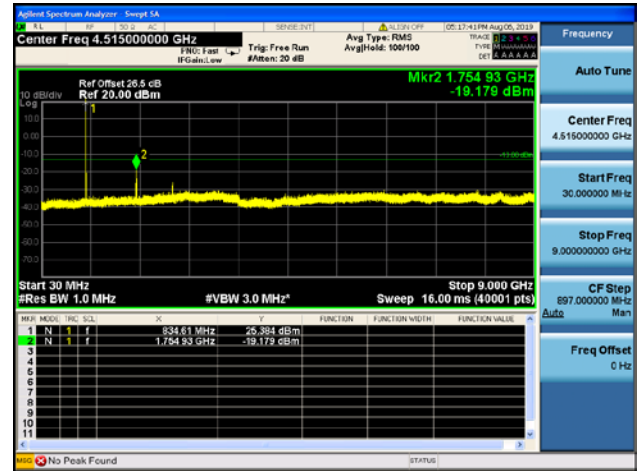




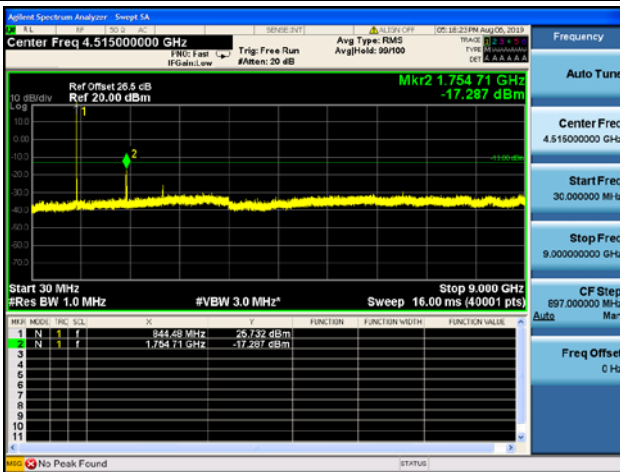
5MHz/16QAM/Mid CH



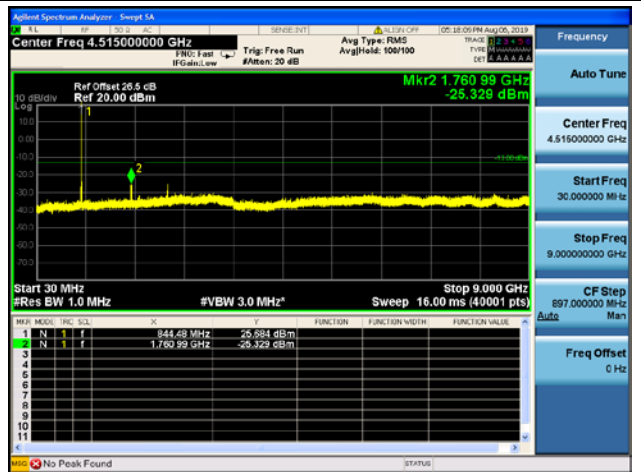
5MHz/64QAM/Mid CH



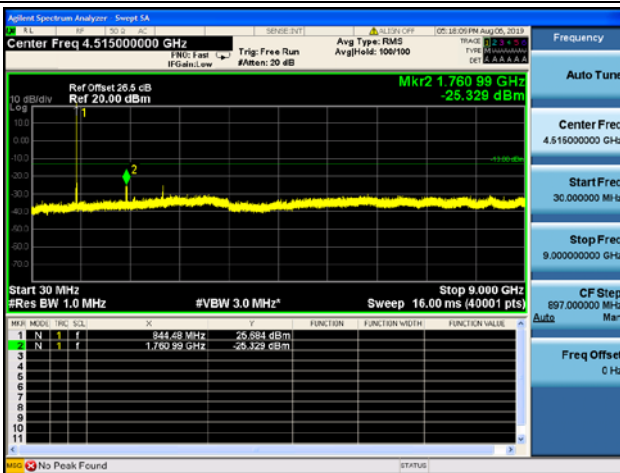
5MHz/QPSK/High CH



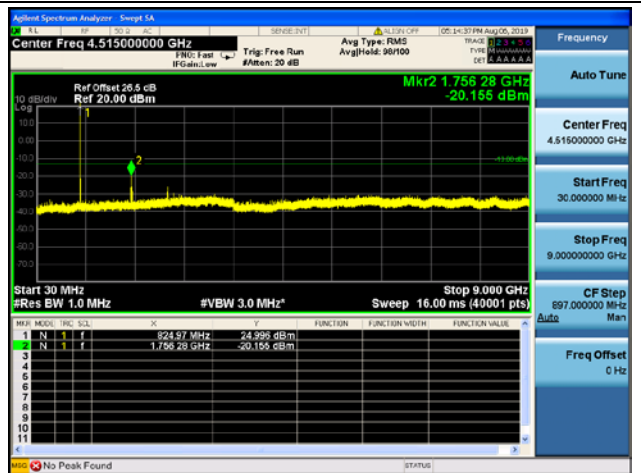
5MHz/16QAM/High CH



5MHz/64QAM/High CH

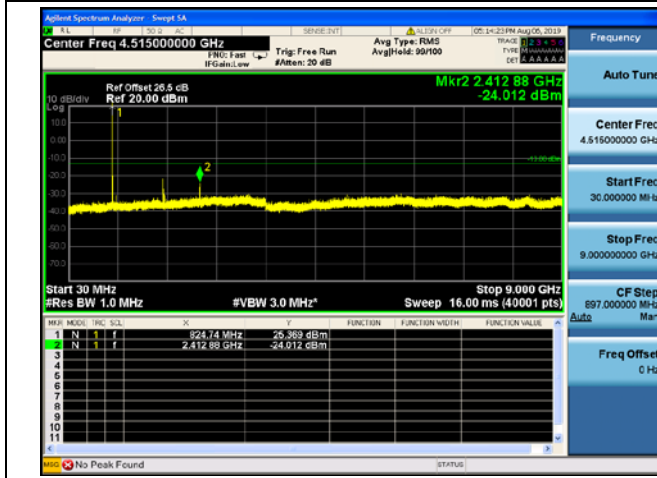


10MHz/QPSK/Low CH





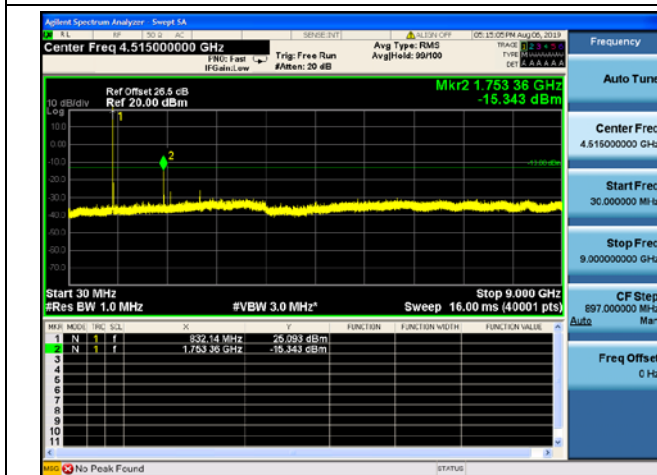
10MHz/16QAM/Low CH



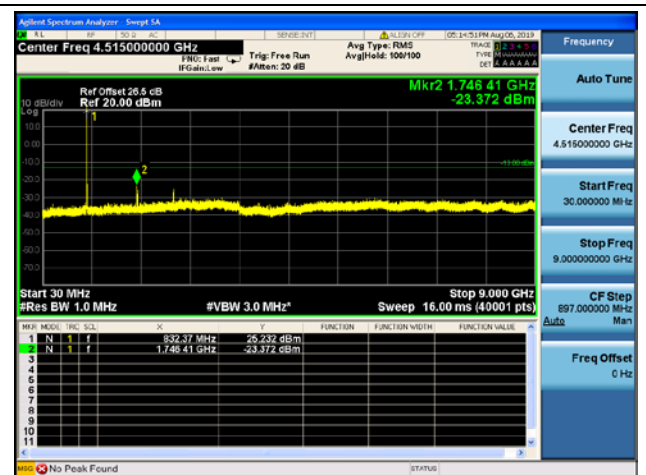
10MHz/64QAM/Low CH



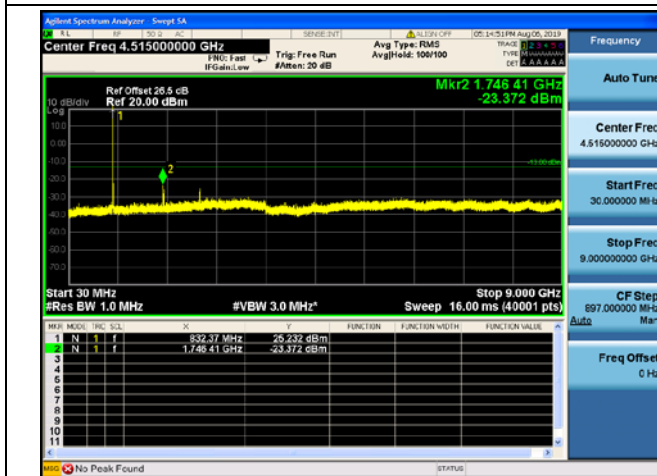
10MHz/QPSK/Mid CH



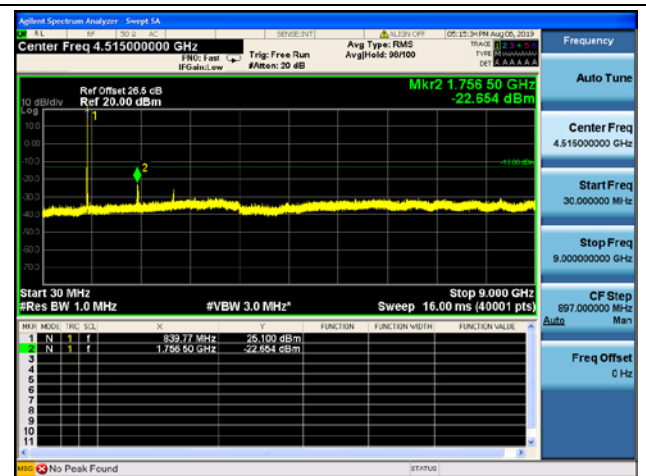
10MHz/16QAM/Mid CH



10MHz/64QAM/Mid CH

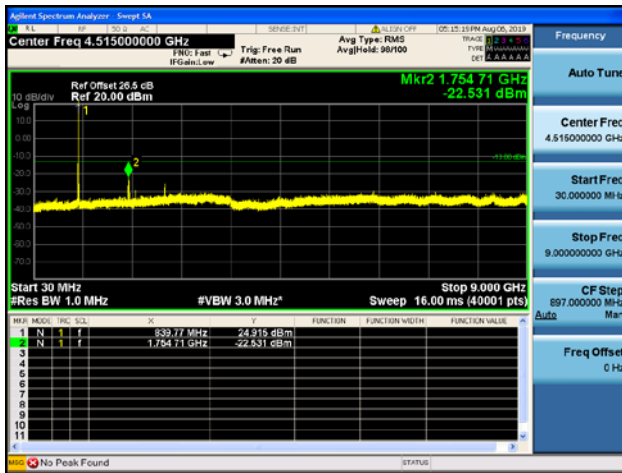


10MHz/QPSK/High CH

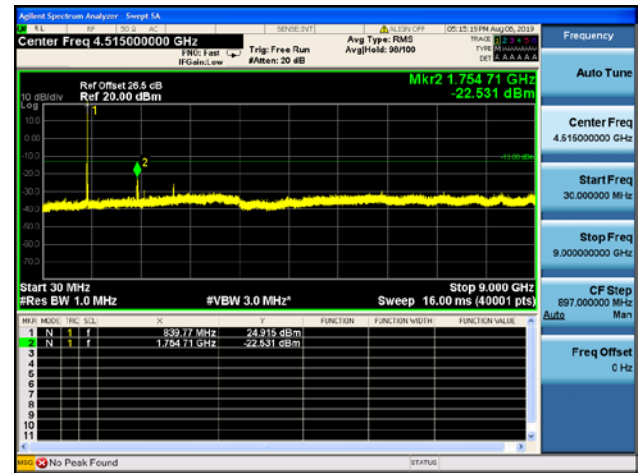




10MHz/16QAM/High CH

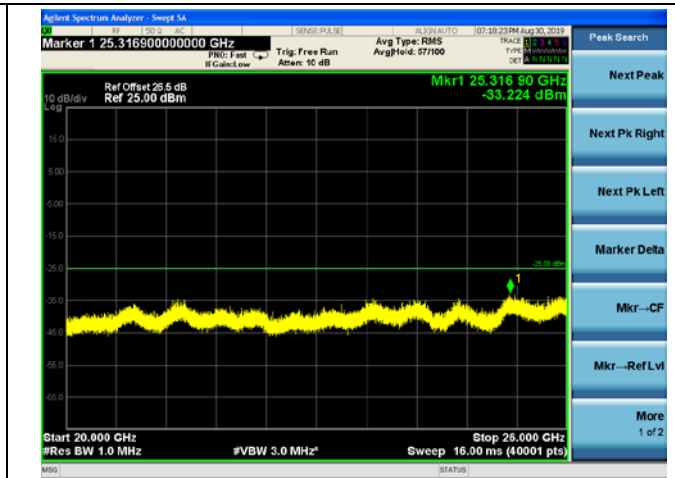
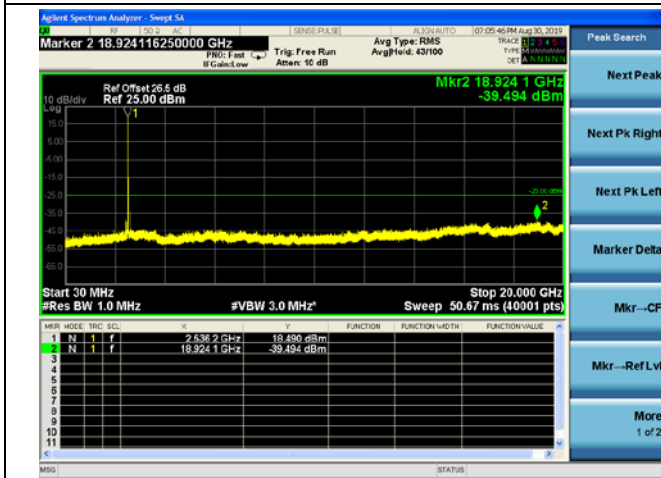


10MHz/64QAM/High CH

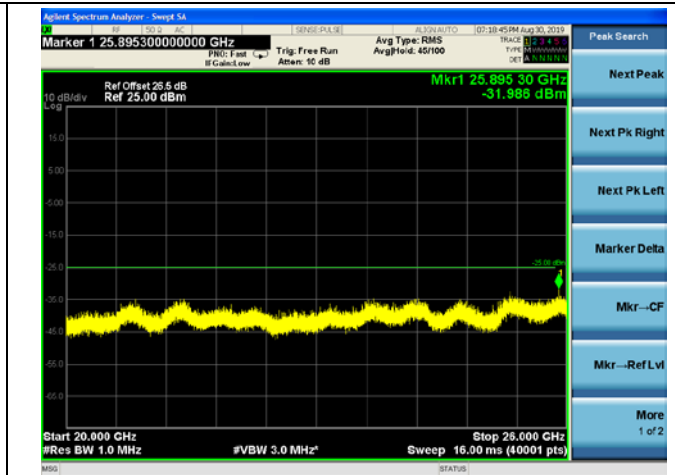
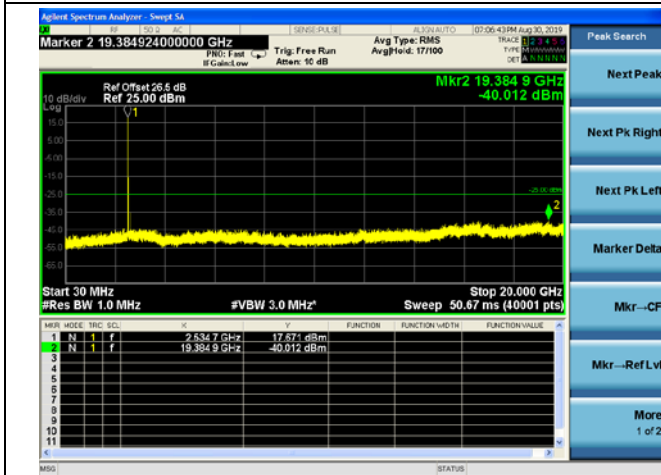




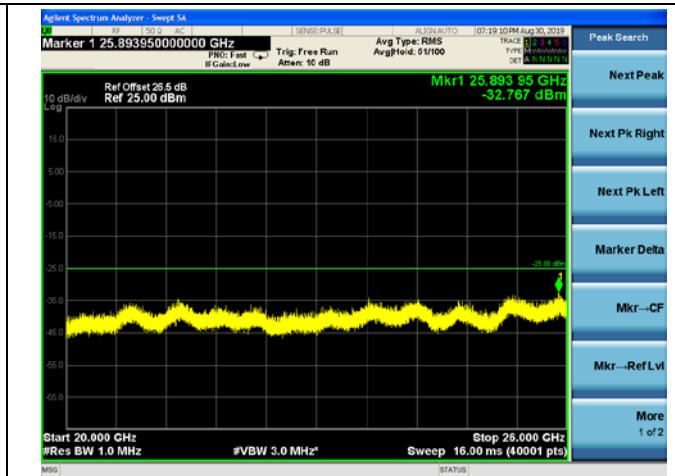
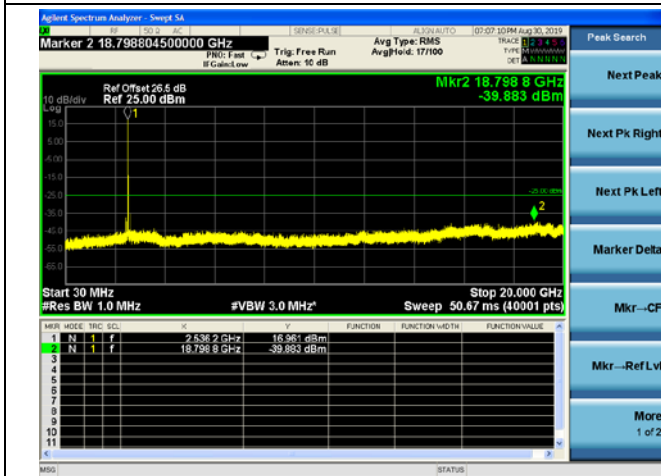
LTE Band 7 CSE 5MHz/QPSK/Low CH



5MHz/16QAM/Low CH

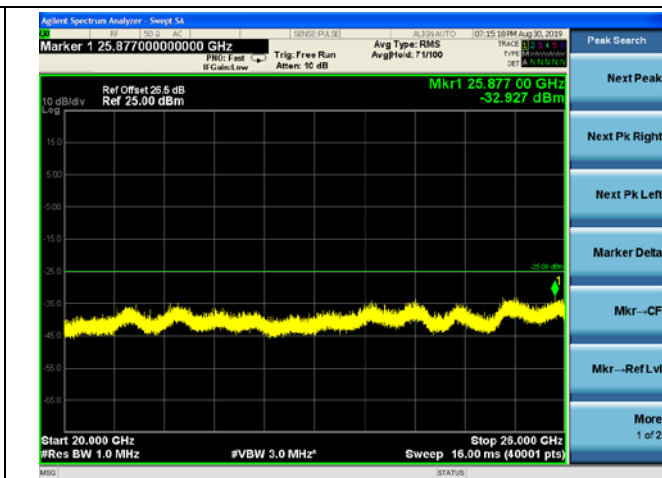
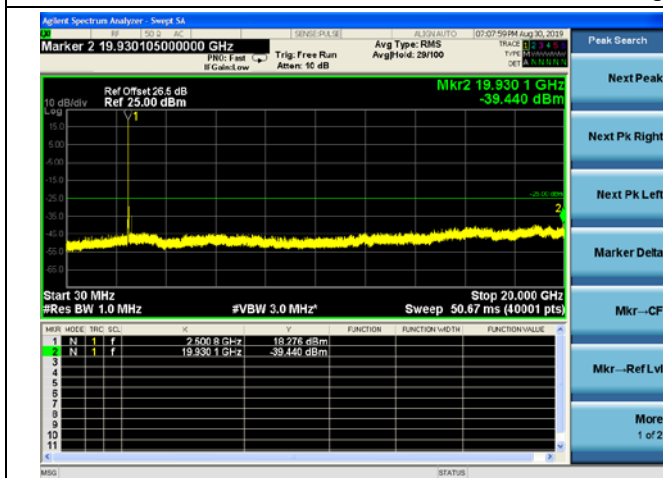


5MHz/64QAM/Low CH

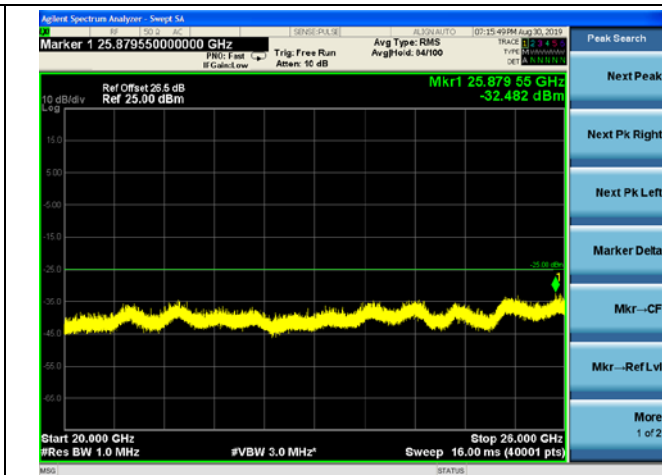
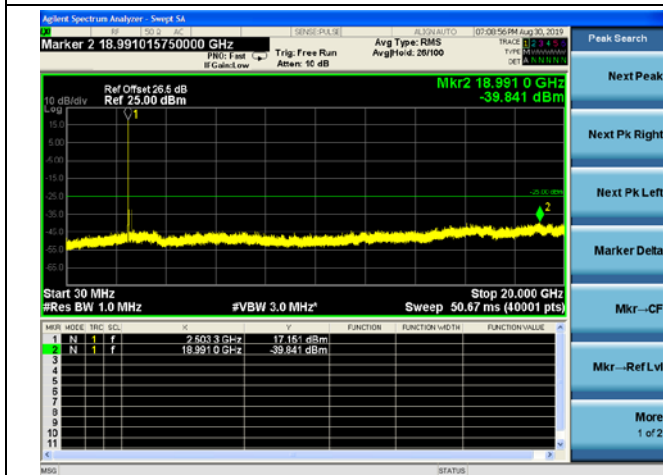




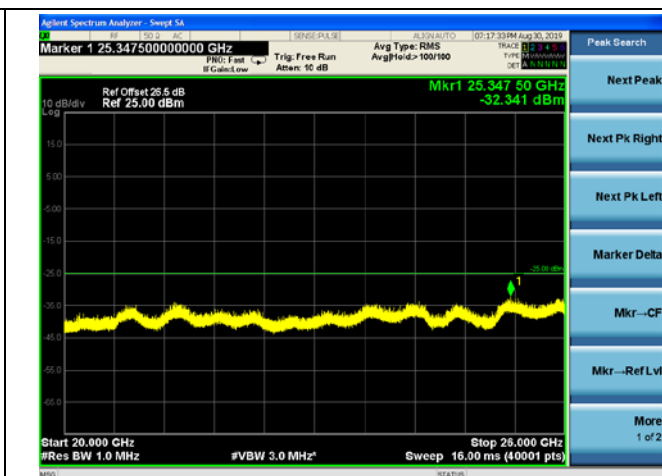
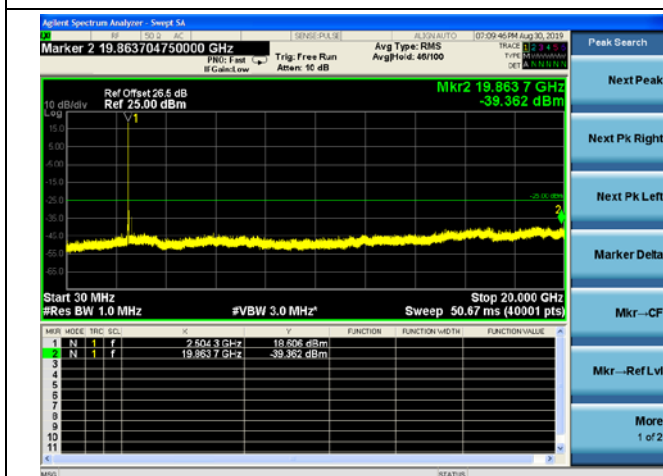
5MHz/QPSK/Mid CH



5MHz/16QAM/Mid CH

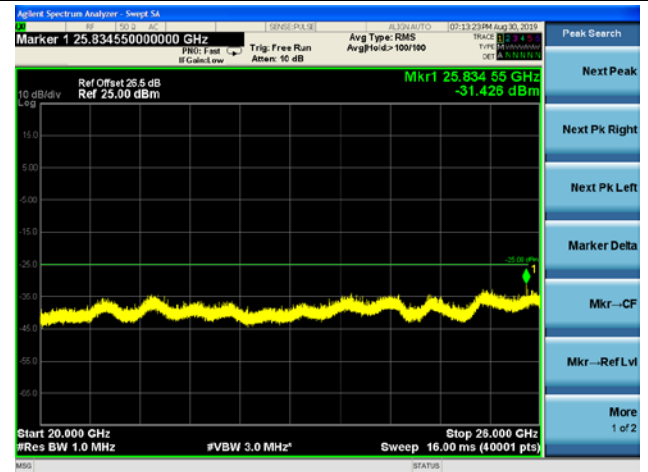
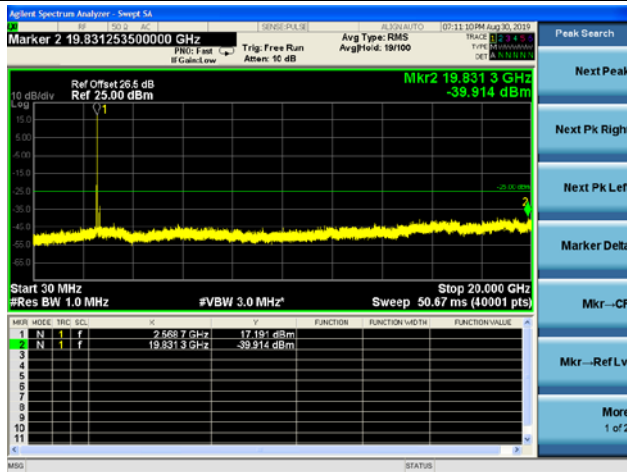


5MHz/64QAM/Mid CH

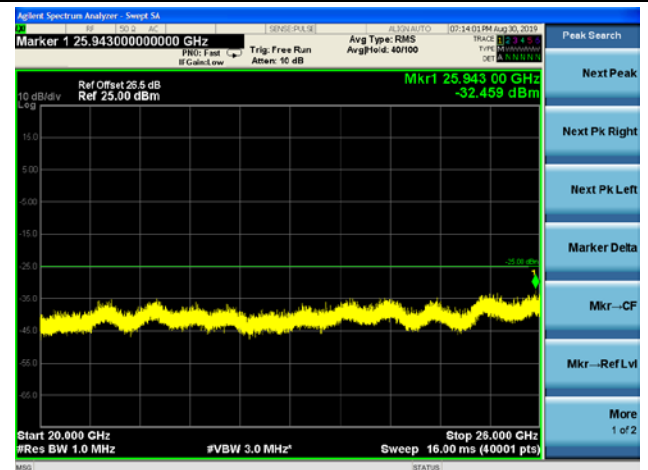
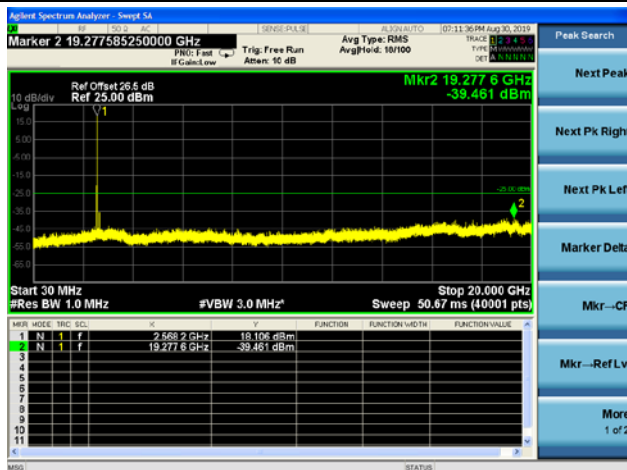




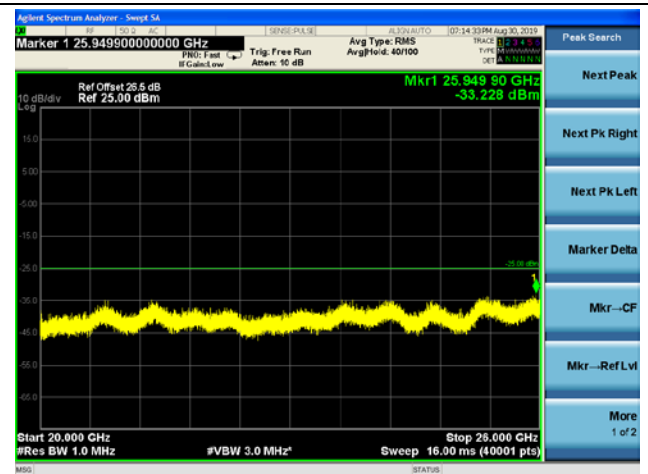
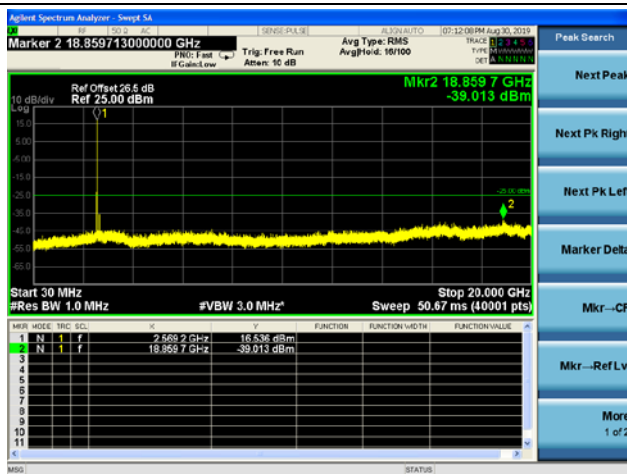
5MHz/QPSK/High CH



5MHz/16QAM/High CH

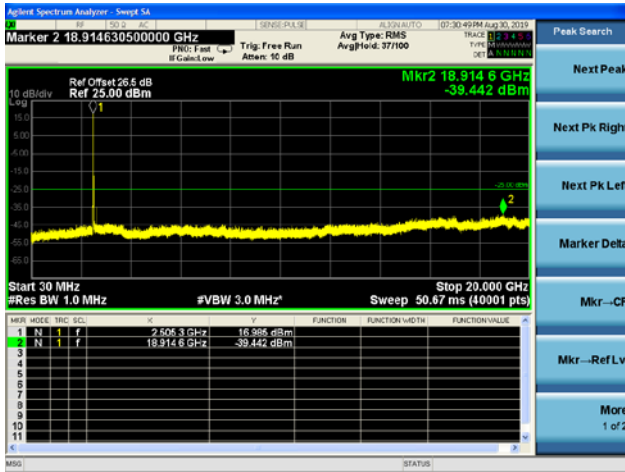


5MHz/64QAM/High CH

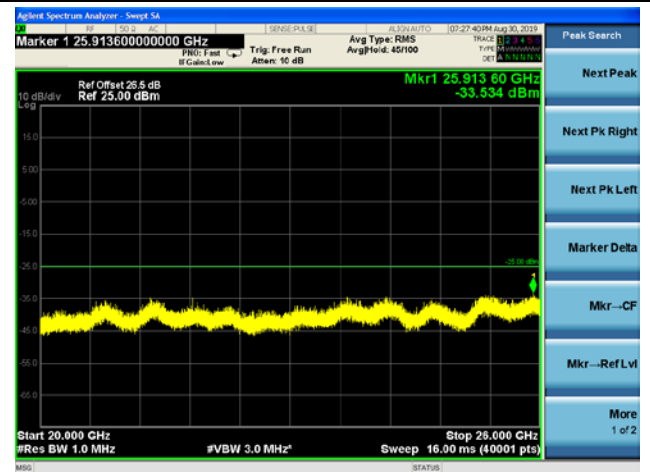
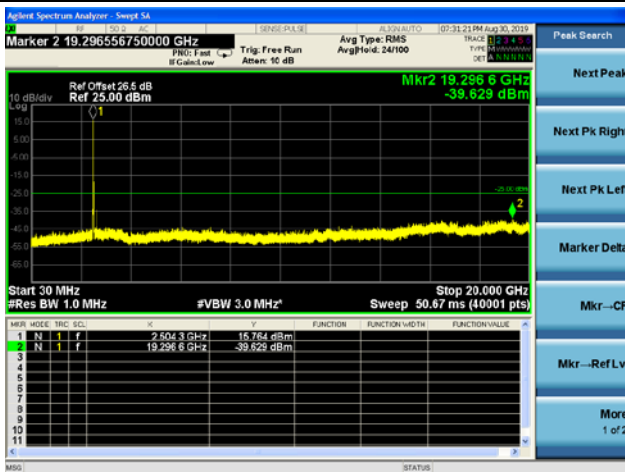




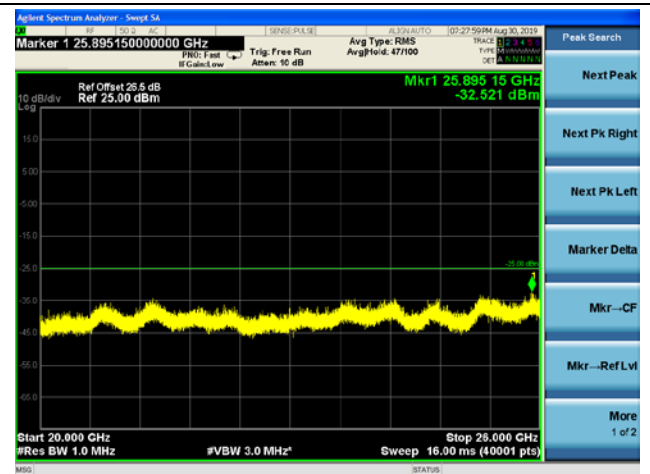
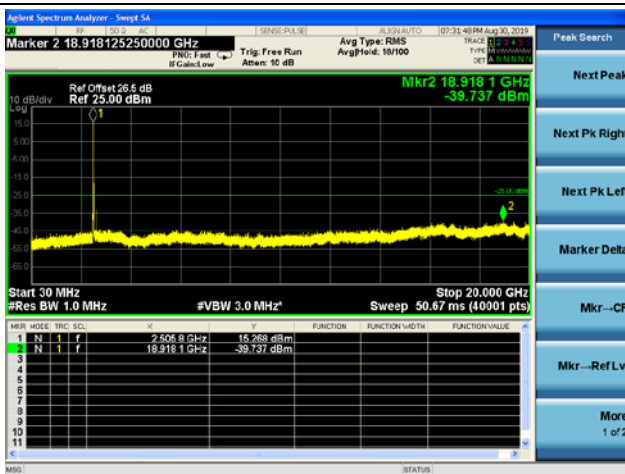
10MHz/QPSK/Low CH



10MHz/16QAM/Low CH



10MHz/64QAM/Low CH





Agilent Spectrum Analyzer - Sweep 5A

Marker 2 18.617576750000 GHz
 Ref Offset: 26.5 dB
 Ref: 25.00 dBm
 Avg Type: RMS
 Avg Freq: 20100
 Trig: Free Run
 Attenu: 10 dB
 PRC: F-Ref
 IF Gain: Low

Mkr2 18.617 6 GHz
 -40.108 dBm

MKR	MODE	TRIG	SGL	K	F	V	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	F		2.534 7 GHz-2	16.762 dBm			
2	N	1	F		18.617 6 GHz-2	-40.108 dBm			

Start 30 MHz
 #Res BW 1.0 MHz
 #VBW 3.0 MHz
 Sweep 50.67 ms (40001 pts)

Next Peak
 Next Pk Right
 Next Pk Left
 Marker Delta
 Mkr--CF
 Mkr--RefLvl
 More 1 of 2

Agilent Spectrum Analyzer - Sweep 5A

Marker 1 25.331000000000 GHz
 Ref Offset: 26.5 dB
 Ref: 25.00 dBm
 Avg Type: RMS
 Avg Freq: 27100
 Trig: Free Run
 Attenu: 10 dB
 PRC: F-Ref
 IF Gain: Low

Mkr1 25.331 00 GHz
 -33.295 dBm

MKR	MODE	TRIG	SGL	K	F	V	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	F		25.331 00 GHz-2	-33.295 dBm			

Start 20.000 GHz
 #Res BW 1.0 MHz
 #VBW 3.0 MHz
 Sweep 16.00 ms (40001 pts)

Next Peak
 Next Pk Right
 Next Pk Left
 Marker Delta
 Mkr--CF
 Mkr--RefLvl
 More 1 of 2

The figure displays two side-by-side screenshots of the Agilent Spectrum Analyzer software interface, showing the results of a spectral analysis. Both screens show a frequency range from 18.9 GHz to 20.0 GHz and a power level from -60 dBm to 10 dBm. The left screen shows a peak at 18.9316 GHz, and the right screen shows a peak at 25.9455 GHz. The interface includes various control buttons and a table at the bottom showing measurement data.

Left Screenshot (Marker 2):

- Marker 2: 18.931605000000 GHz
- Ref Offset: 26.5 dB
- Ref: 25.00 dBm
- Avg Type: RMS
- Avg Freq: 19100
- Trig: Free Run
- Attenu: 10 dB
- Peak Search: Next Peak, Next Pk Right, Next Pk Left, Marker Delta, Mkr--CF, Mkr--Ref Lvl

MWR	MODE	TRIG	SQL	F	K	V	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	F			2.5327 GHz		16.794 dBm	
2	N	1	F			18.9316 GHz		-39.005 dBm	

Right Screenshot (Marker 1):

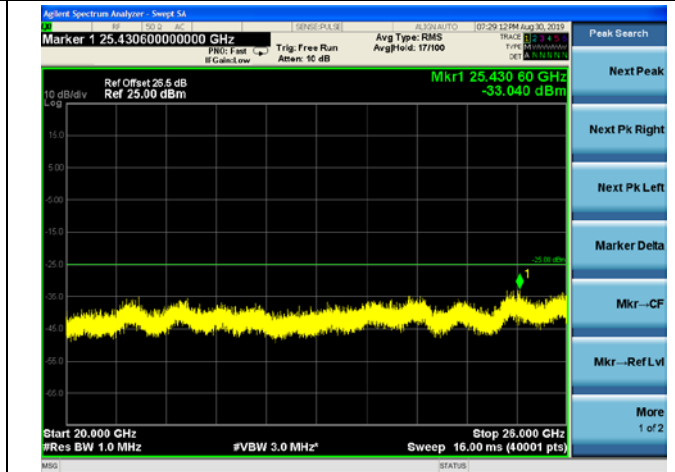
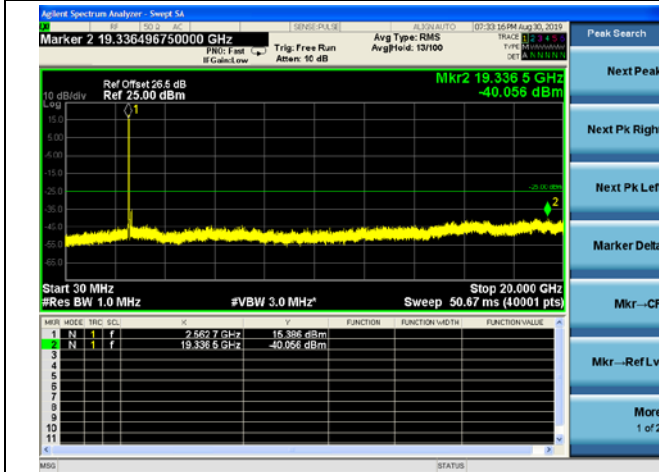
- Marker 1: 25.945500000000 GHz
- Ref Offset: 26.5 dB
- Ref: 25.00 dBm
- Avg Type: RMS
- Avg Freq: 27100
- Trig: Free Run
- Attenu: 10 dB
- Peak Search: Next Peak, Next Pk Right, Next Pk Left, Marker Delta, Mkr--CF, Mkr--Ref Lvl

MWR	MODE	TRIG	SQL	F	K	V	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	F			25.9455 GHz		-33.431 dBm	

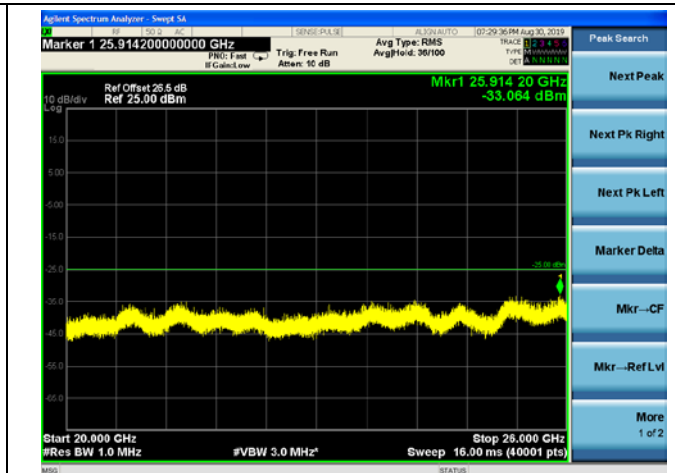
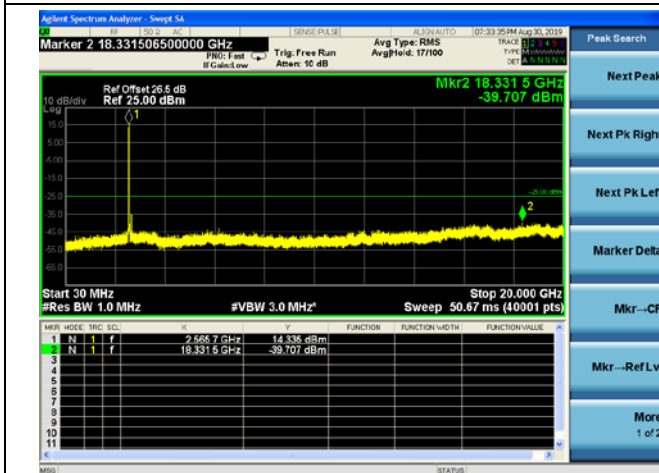
The figure consists of two side-by-side screenshots of an Agilent Spectrum Analyzer interface. Both screens show a frequency spectrum with a yellow trace. The left screen has a peak at 18.702 GHz, and the right screen has a peak at 25.342 GHz. Both screens show a resolution bandwidth of 3.0 MHz and a sweep of 50.67 ms. The y-axis is labeled 'dBm' and ranges from -50.0 to 10.0. The x-axis is labeled 'GHz' and ranges from 18.000 to 20.000. The right screen also shows a peak at 25.342 GHz, labeled 'Mkr1 25.342 70 GHz -32.523 dBm'.



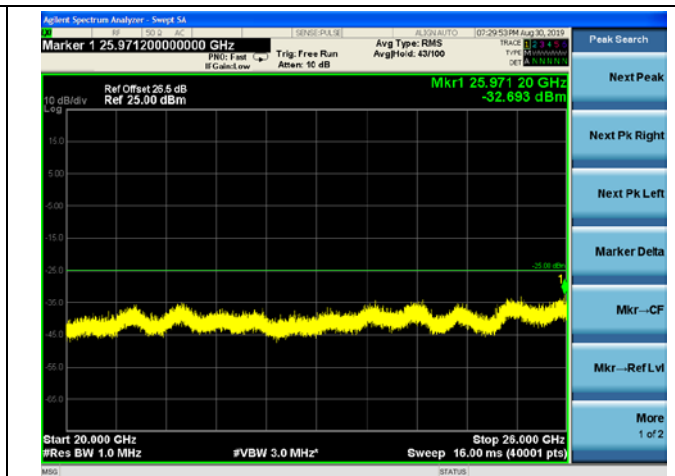
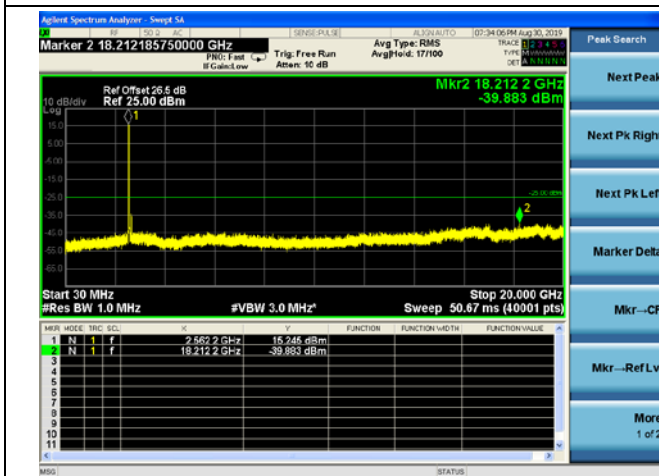
10MHz/QPSK/High CH



10MHz/16QAM/High CH

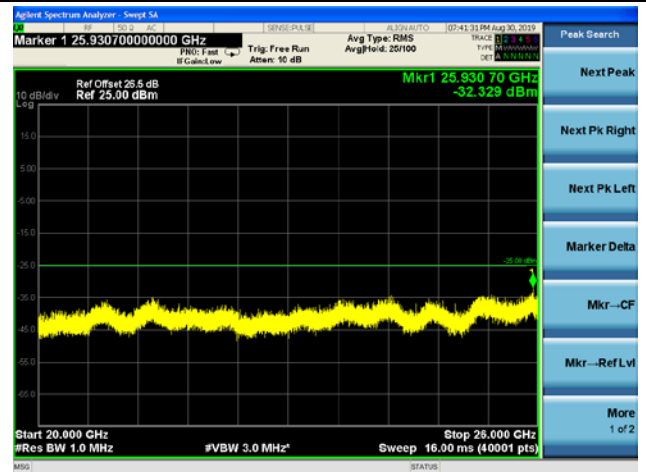
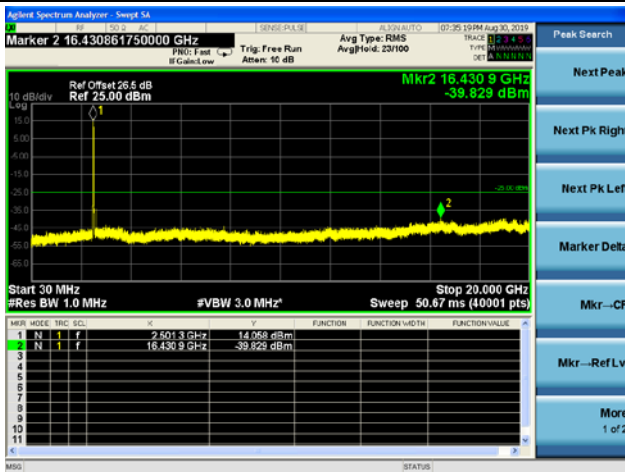


10MHz/64QAM/High CH

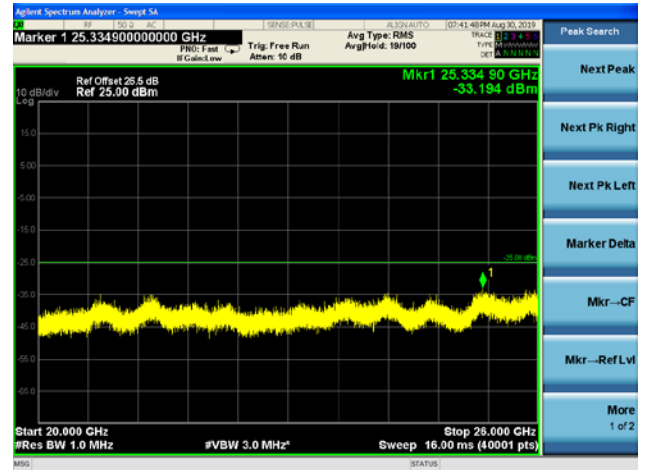
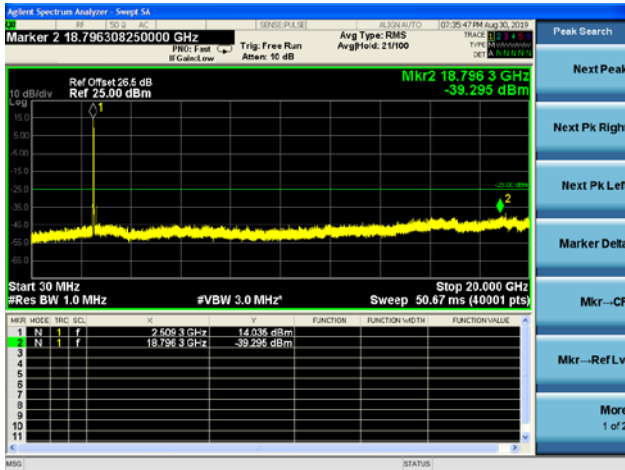




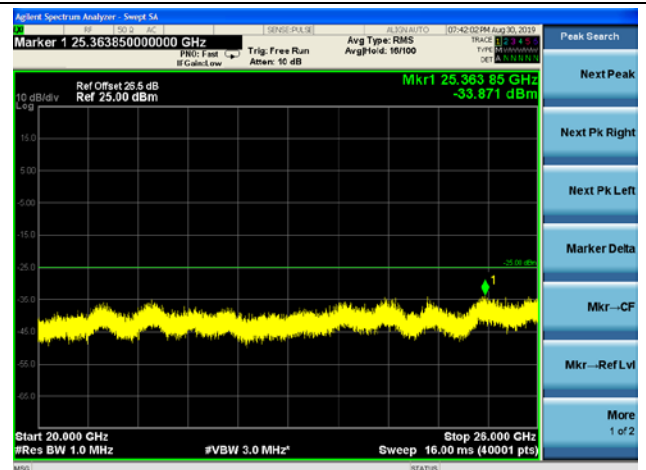
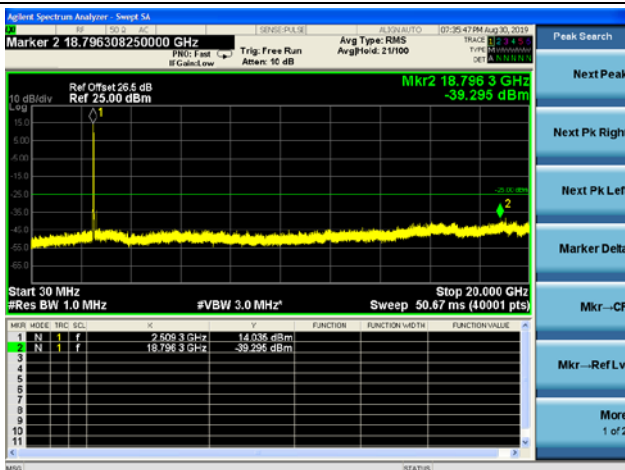
15MHz/QPSK/Low CH

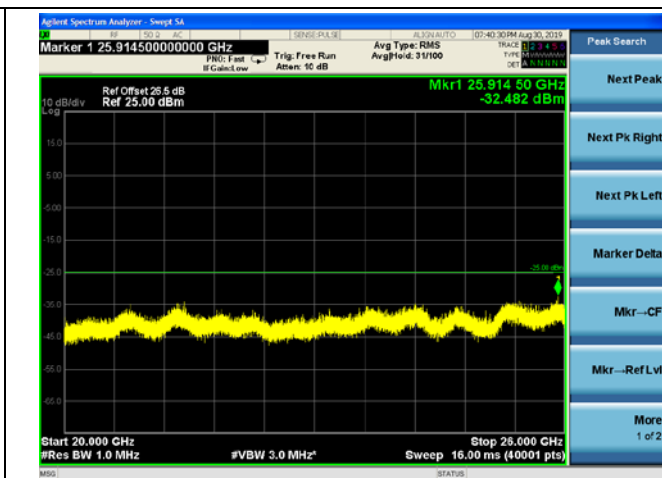
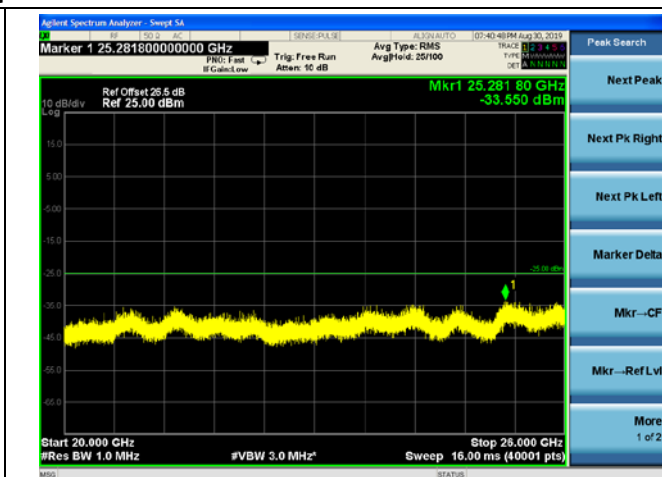


15MHz/16QAM/Low CH



15MHz/64QAM/Low CH



[illegible][illegible]

High Spectrum Analyzer - Sweep 5A

Marker 2 19.3569600000 GHz

Ref Offset 26.5 dB
Ref 25.00 dBm

PRF: 1 ps
IF Gain: Low

Trig: Free Run
Atten: 10 dB

AVG AUTO
Avg Type: RMS
Avg Pkoid: 10/100

07:27:01 PM Aug 30, 2019
TRACE: Mkr2
TYPE: PARMAN
DET: A 100000

Peak Search

Next Peak

Next Pk Right

Next Pk Left

Marker Delta

Mkr2 19.357 0 GHz
-39.670 dBm

10 dB/div
Log

Start 30 MHz
#Res BW 1.0 MHz

#VBW 3.0 MHz

Sweep 50.67 ms (40001 pts)

Stop 20.00 GHz

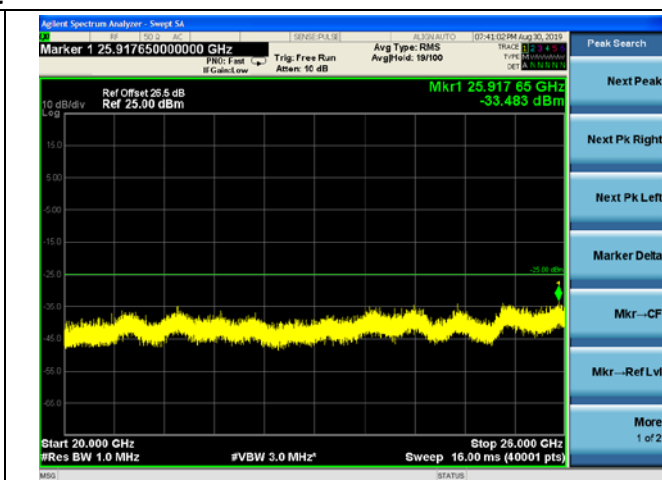
MWR	MODE	TRC	SEL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.536 2 GHz	14.160 dBm			
2	N	1	f	19.357 0 GHz	-39.670 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

More

1 of 2

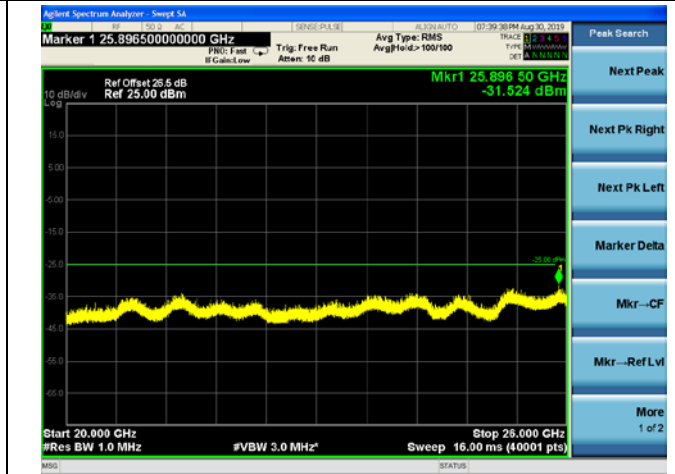
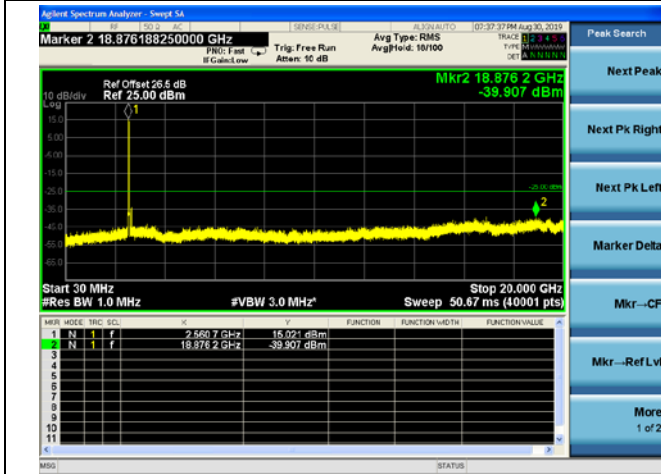
MSG

STATUS

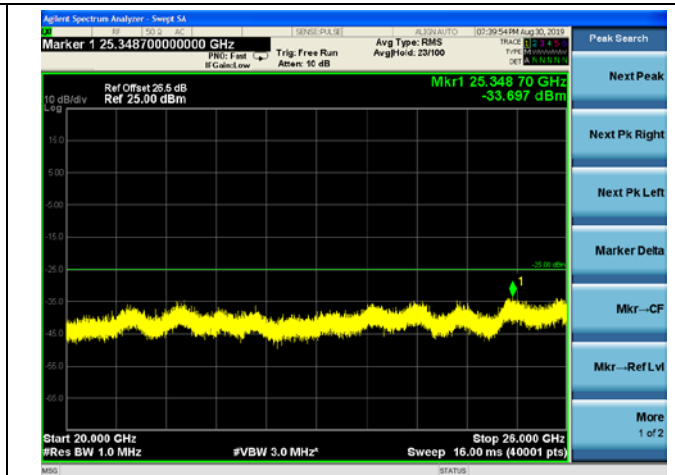
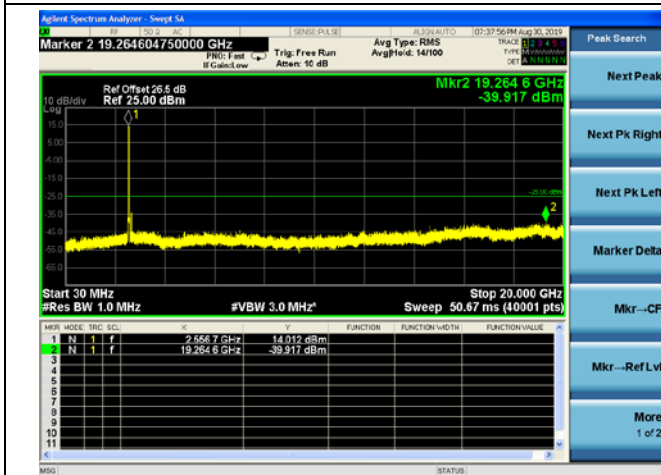




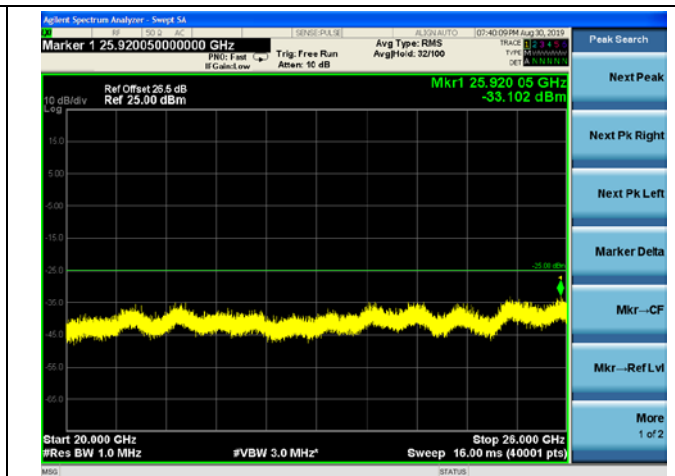
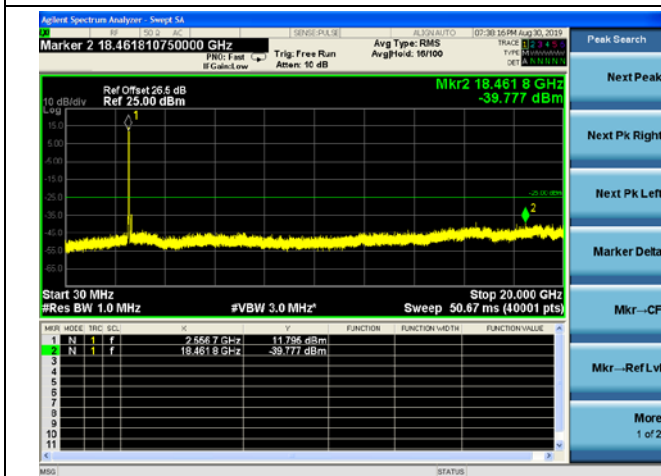
15MHz/QPSK/High CH



15MHz/16QAM/High CH

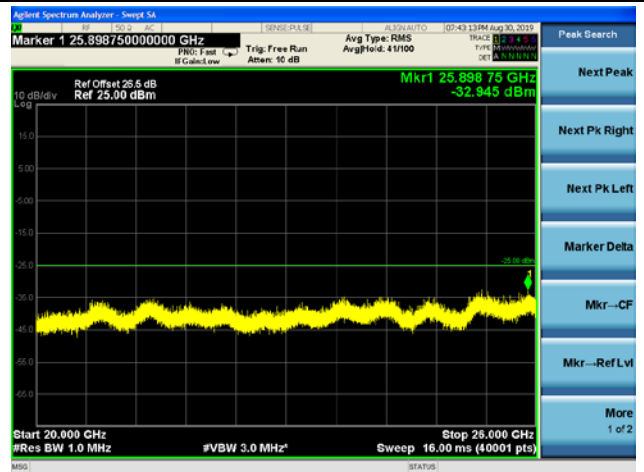
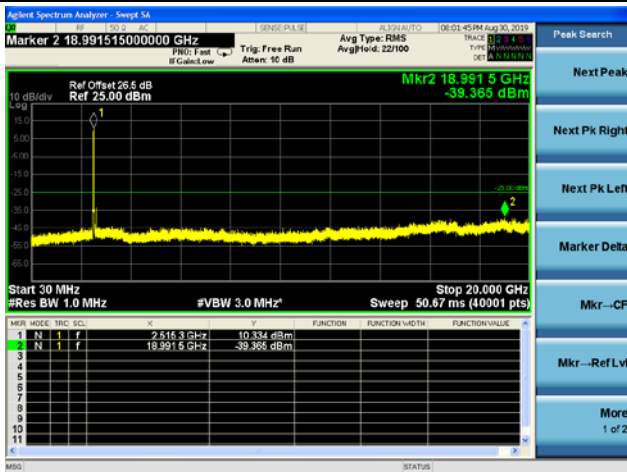


15MHz/64QAM/High CH

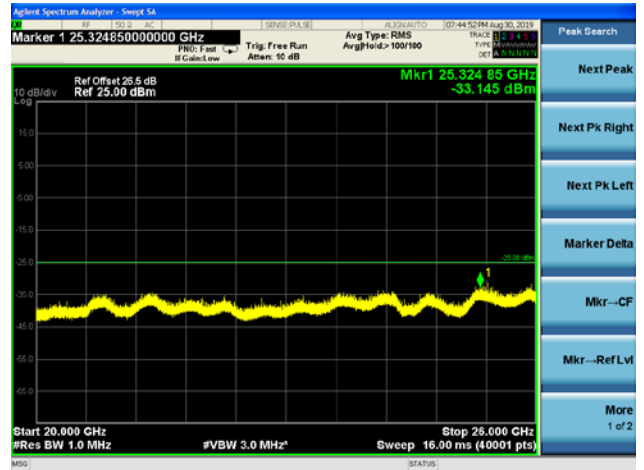
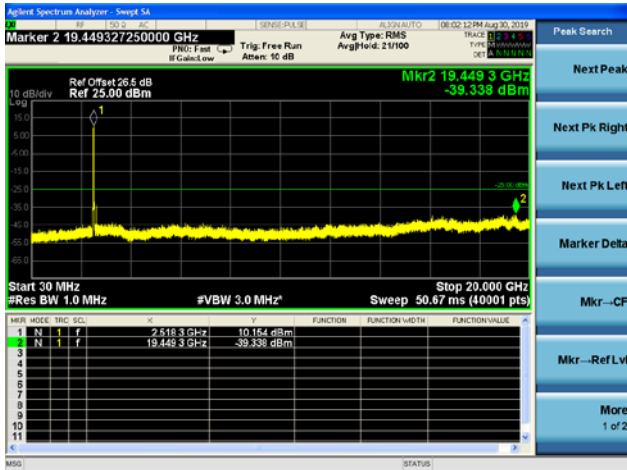




20MHz/QPSK/Low CH



20MHz/16QAM/Low CH



20MHz/64QAM/Low CH

