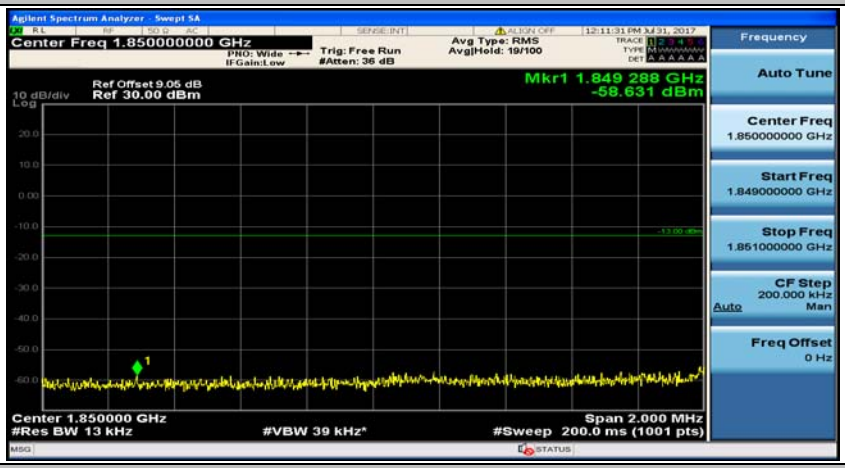
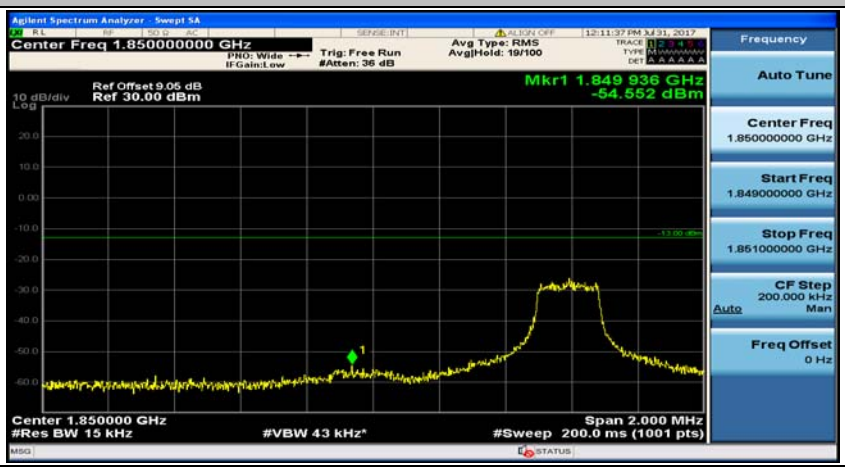
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24

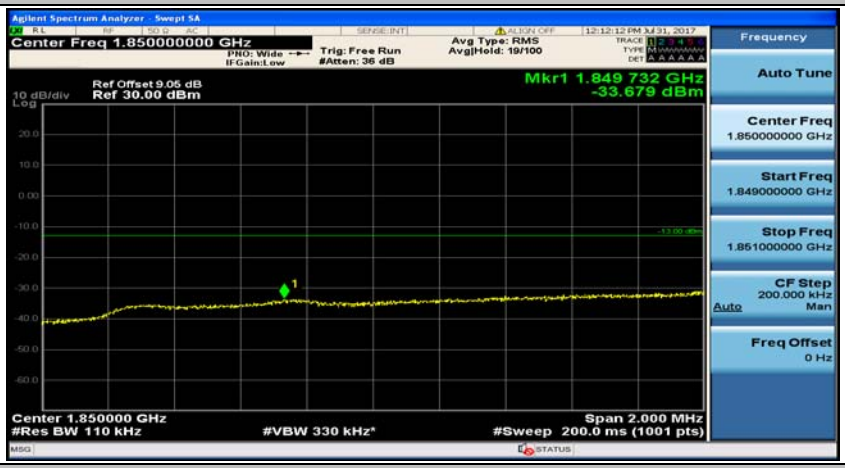



Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49

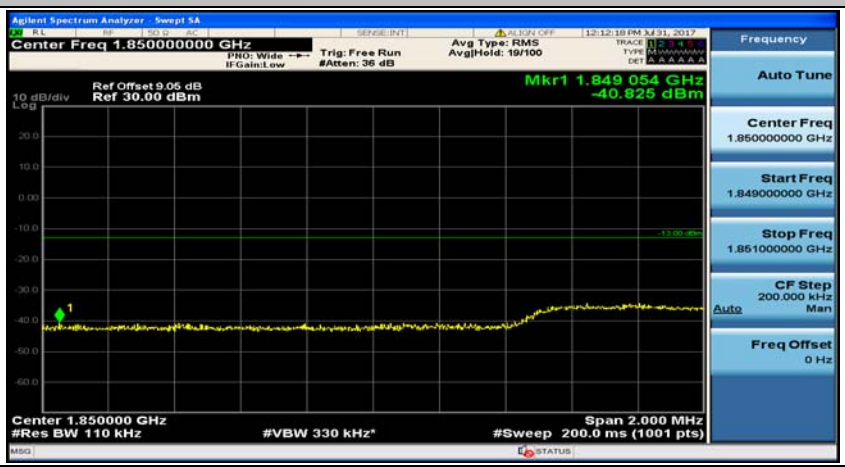



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0

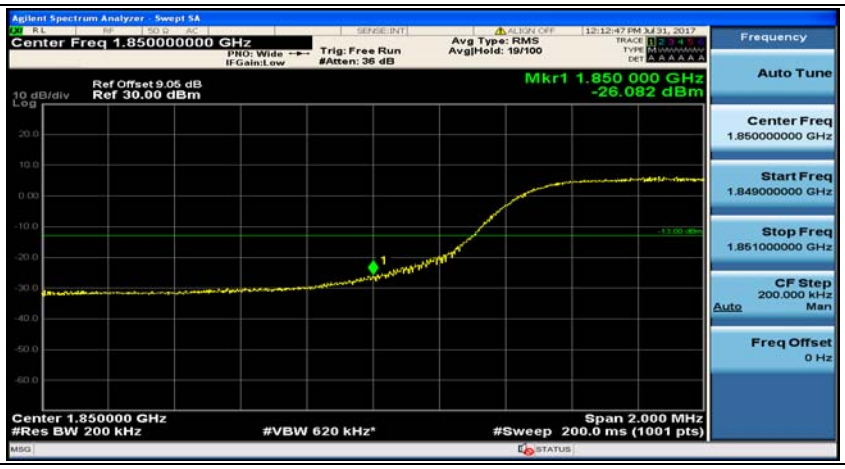
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



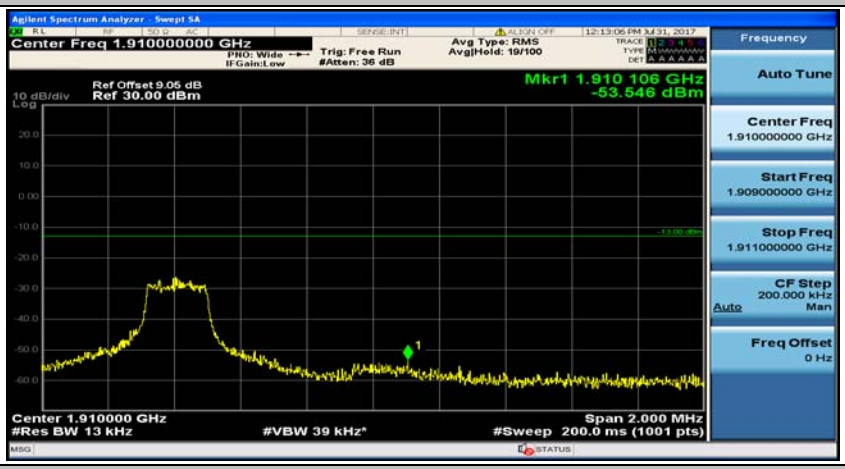

Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



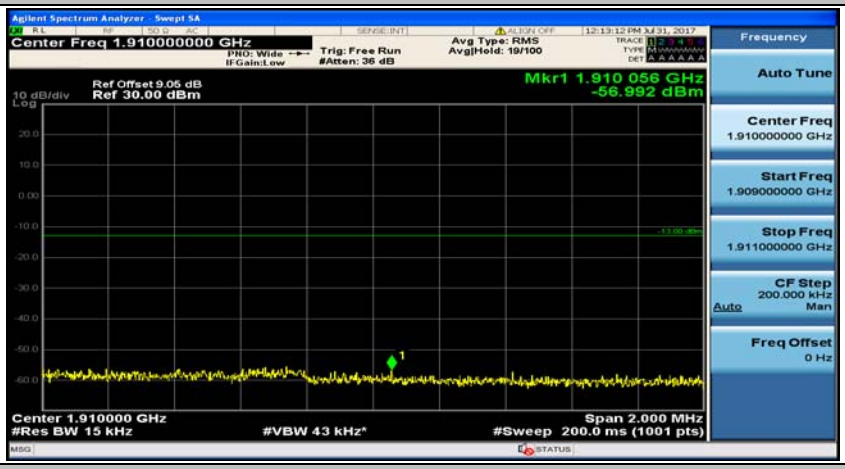

Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0




Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

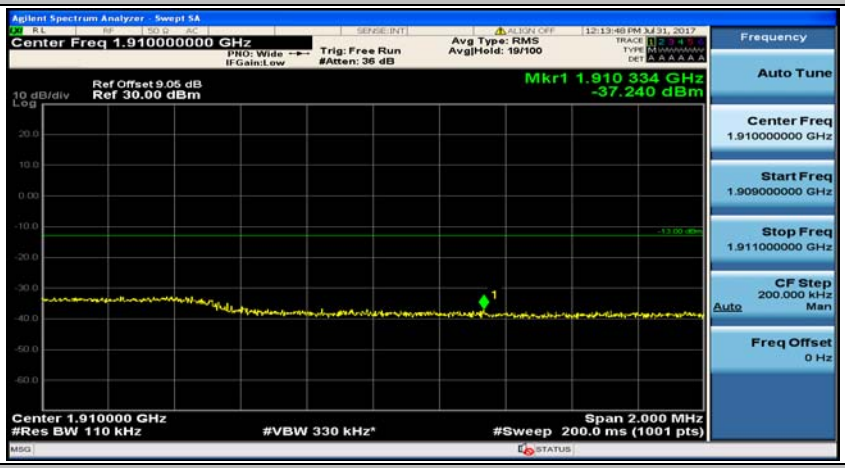



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

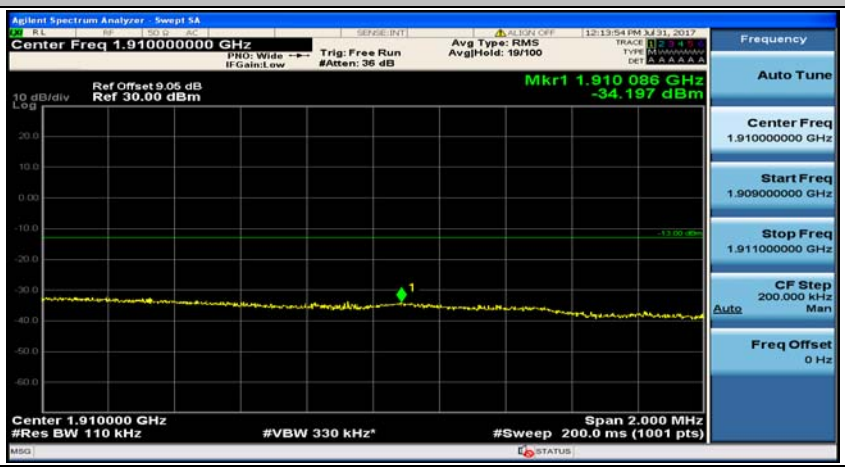



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



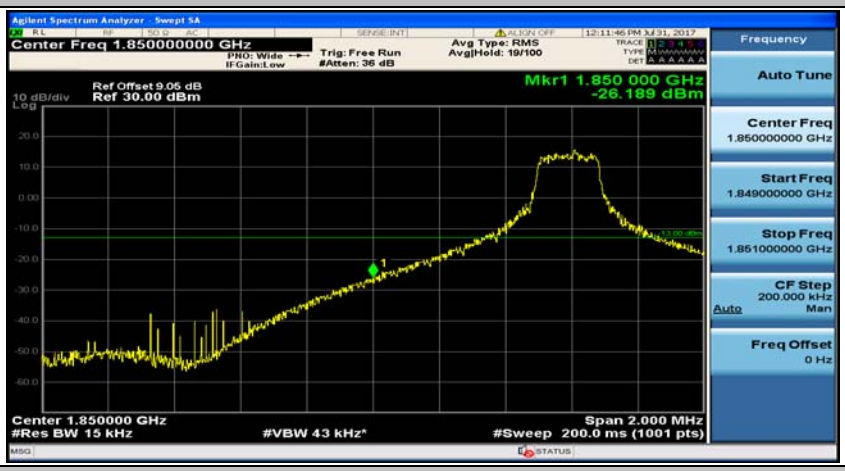

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



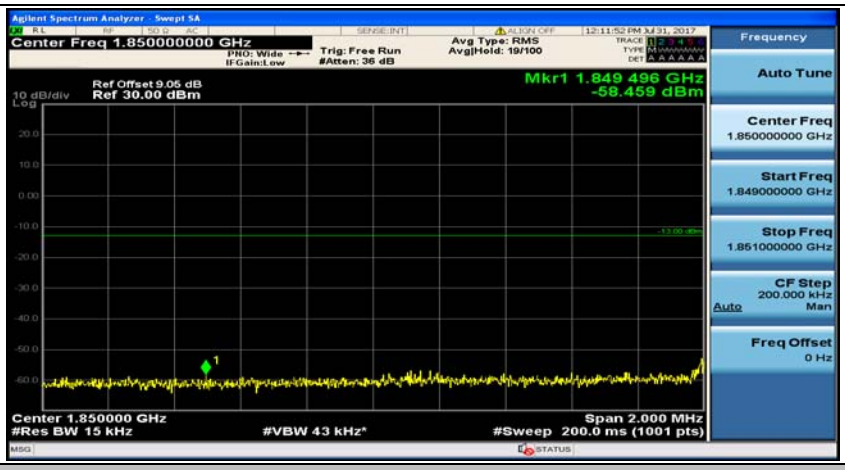

Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25

Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

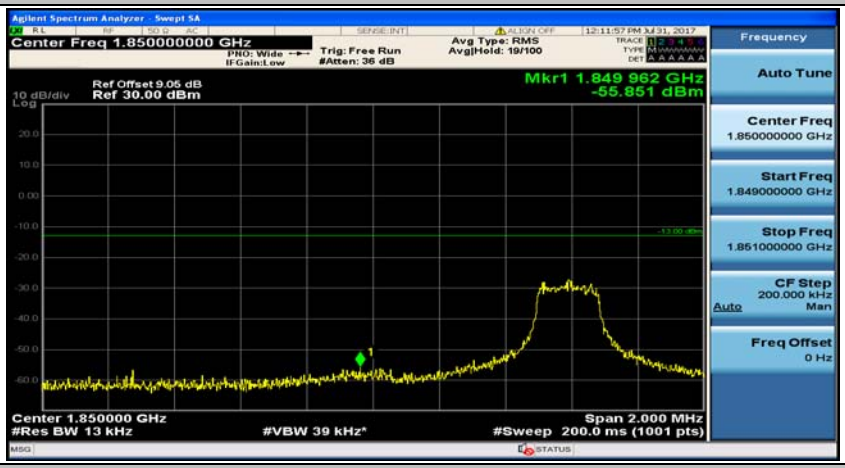
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0




Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



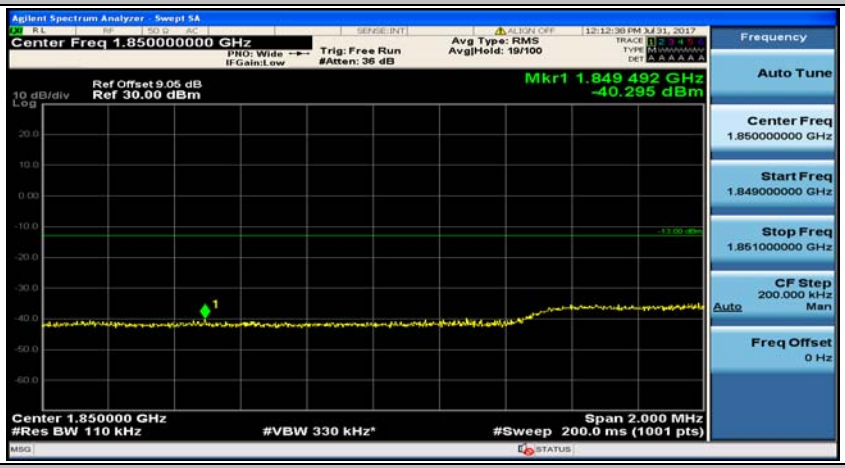

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49




Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0

Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12

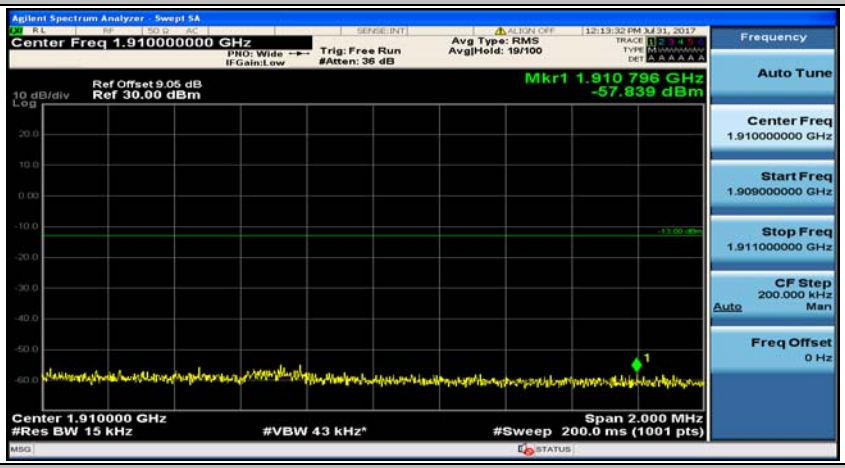
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25




Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

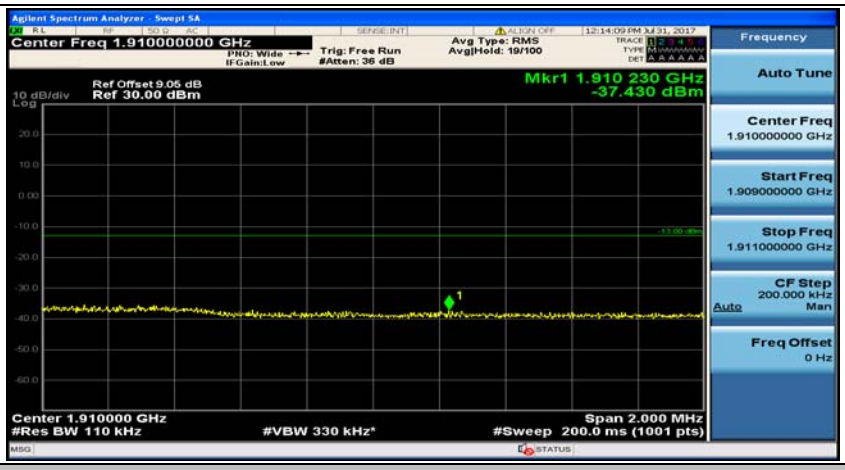
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

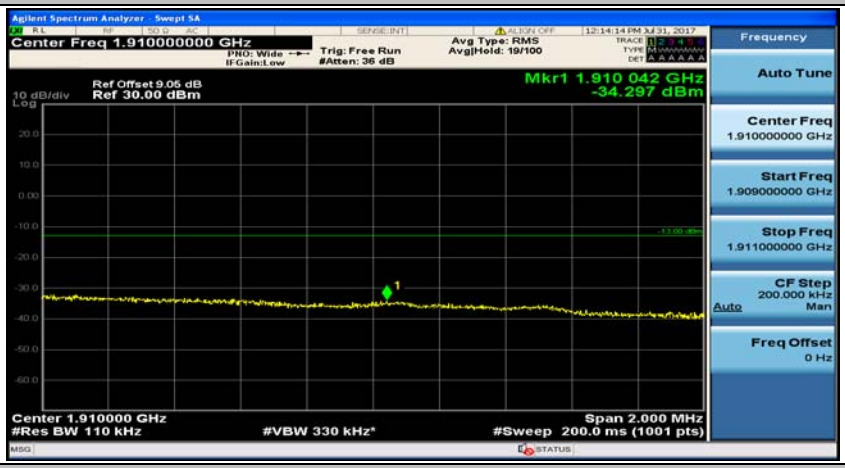



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0




Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



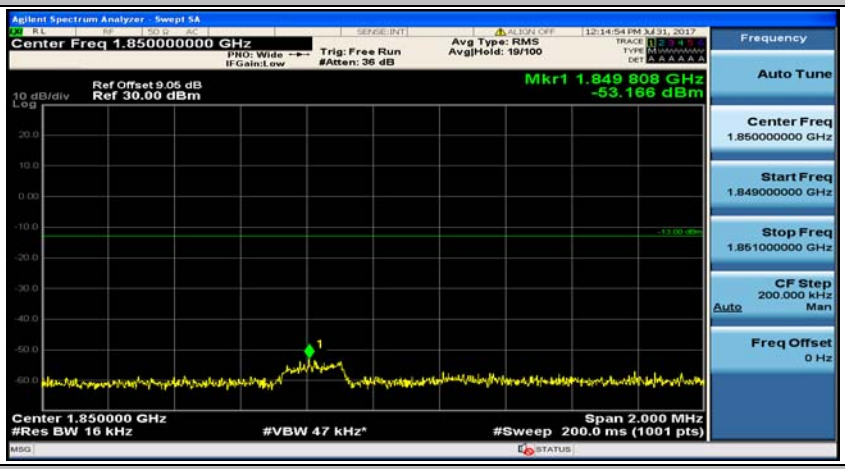

Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

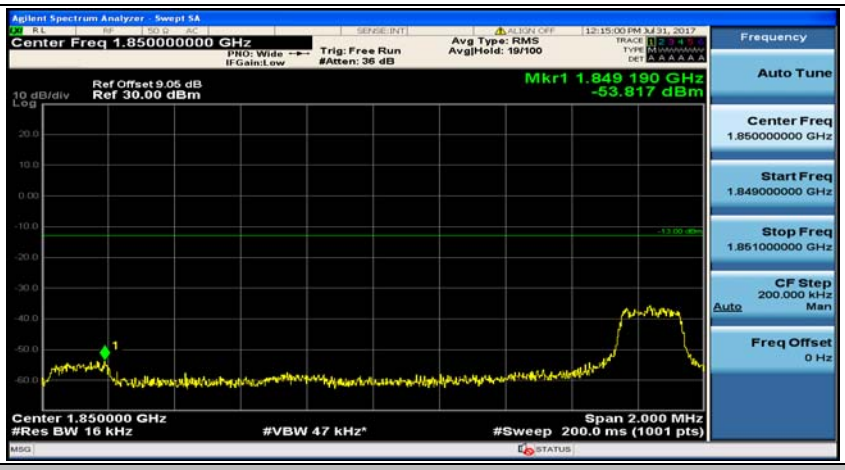
## Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0

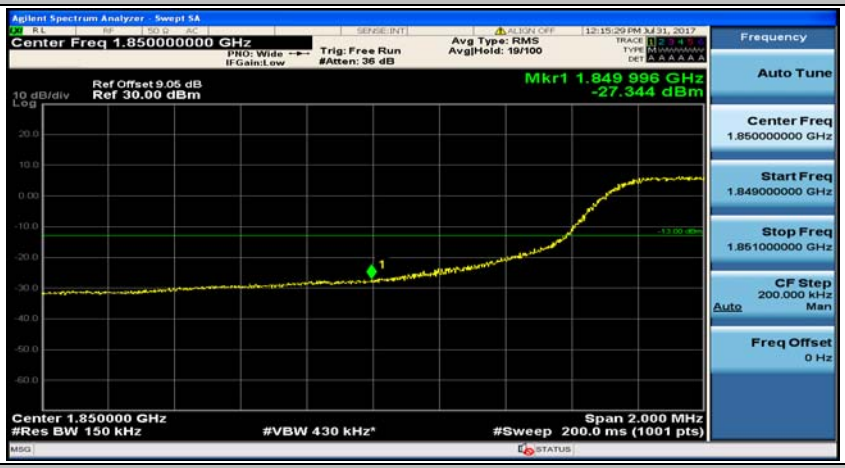
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37




(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74

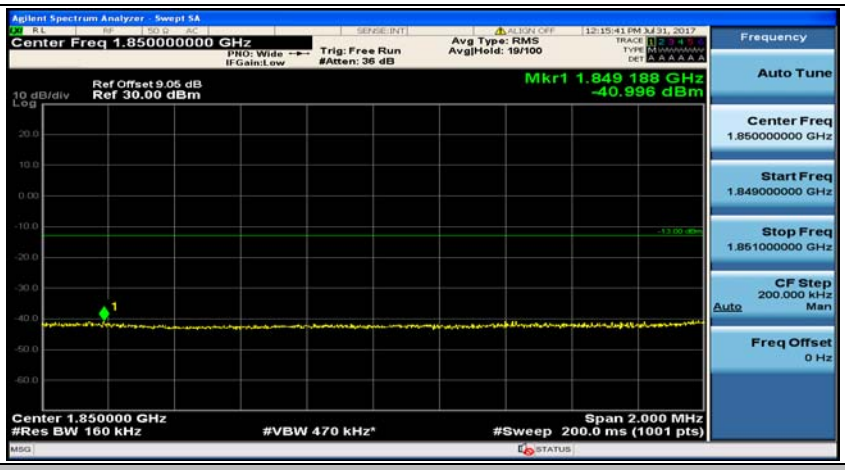



(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#0



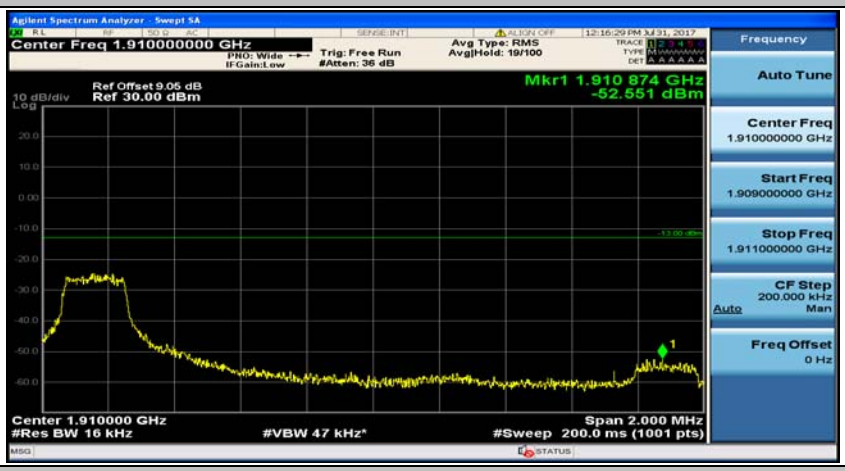

(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#18

(Channel Bandwidth:15 MHz)_LCH_QPSK_37RB#38

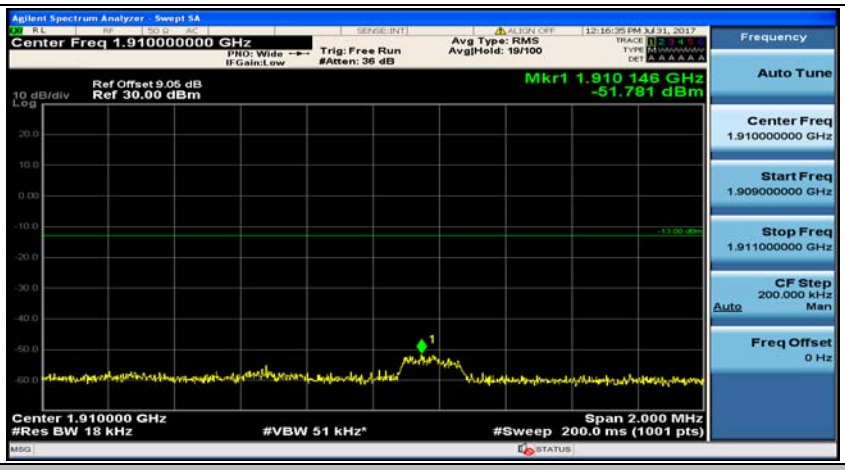



(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0

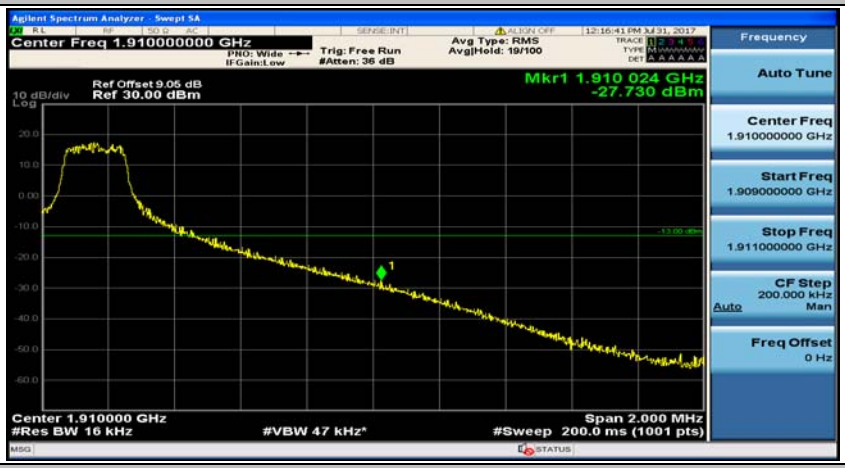
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



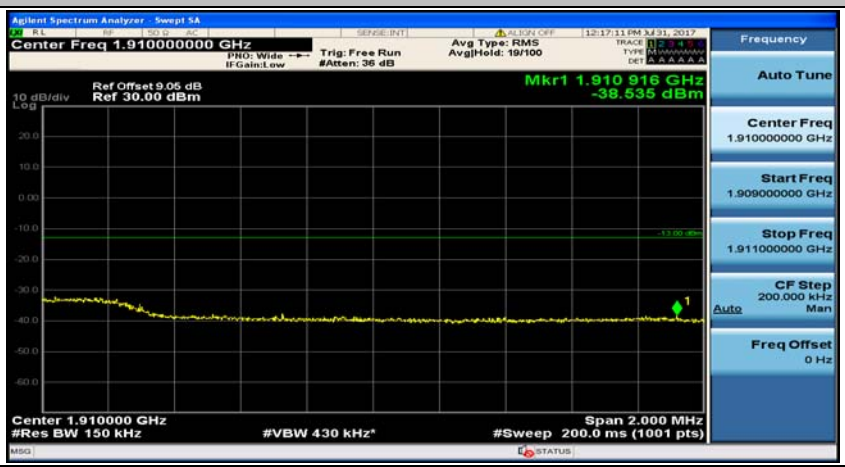

(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



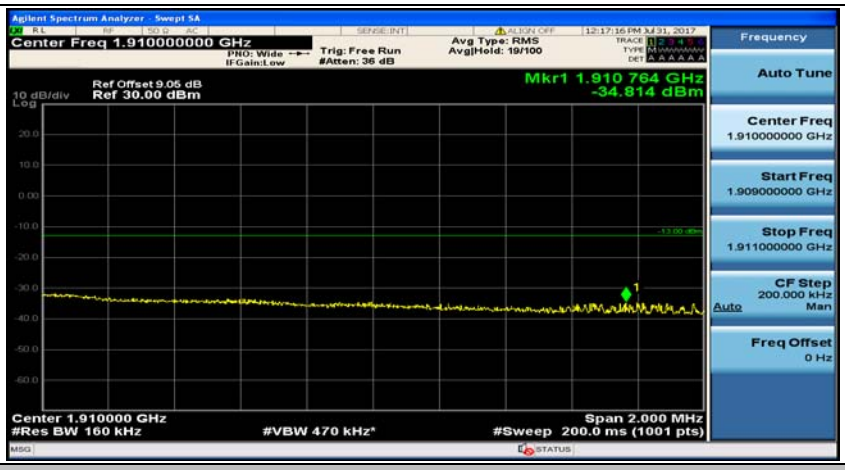

(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74



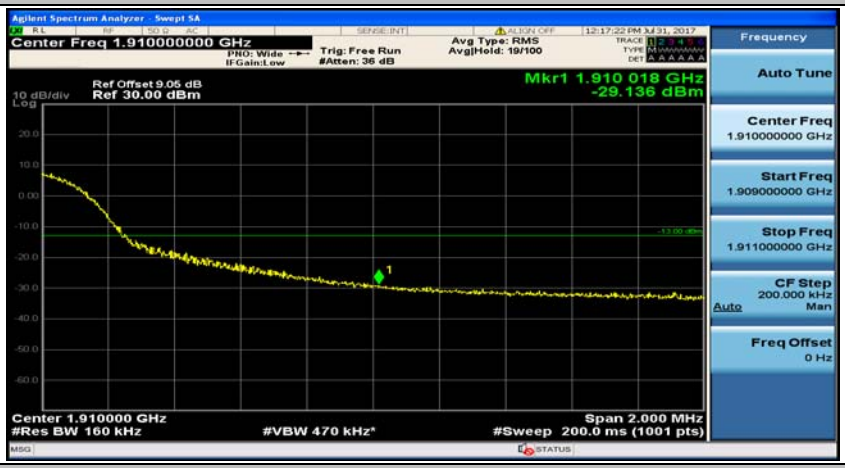

(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#0



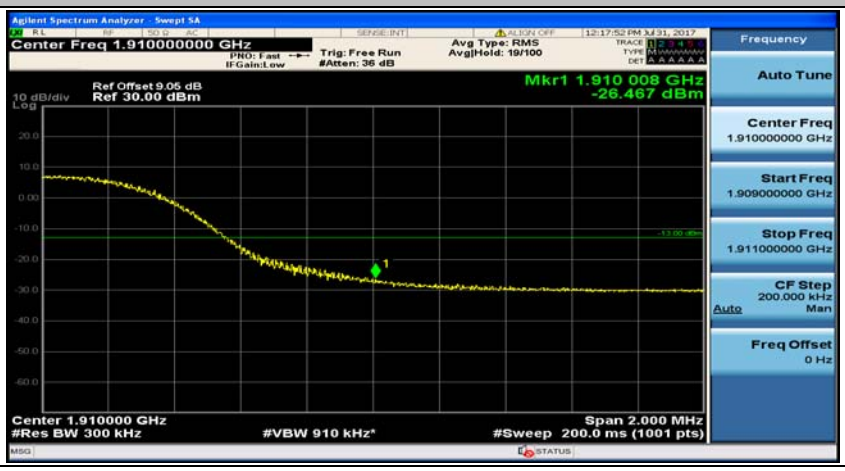

(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#18




(Channel Bandwidth:15 MHz)_HCH_QPSK_37RB#38

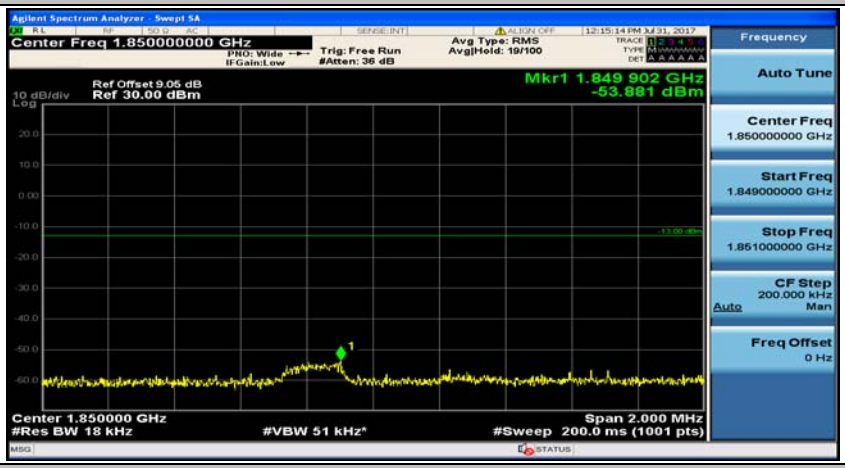



(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0

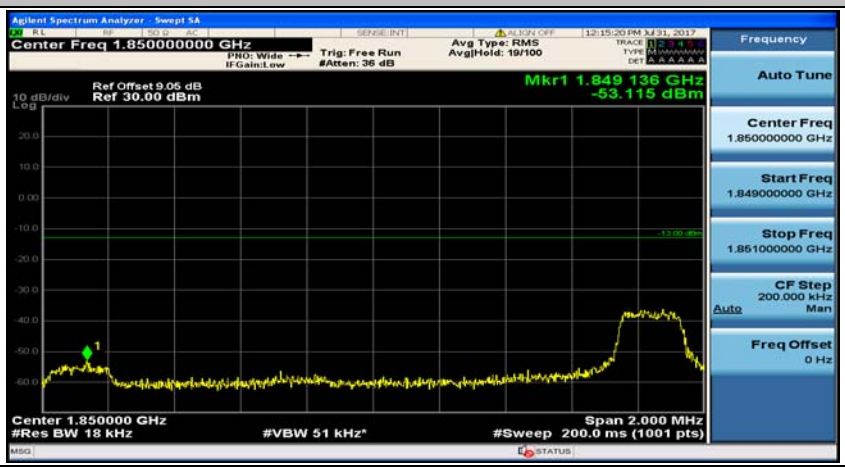



(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37



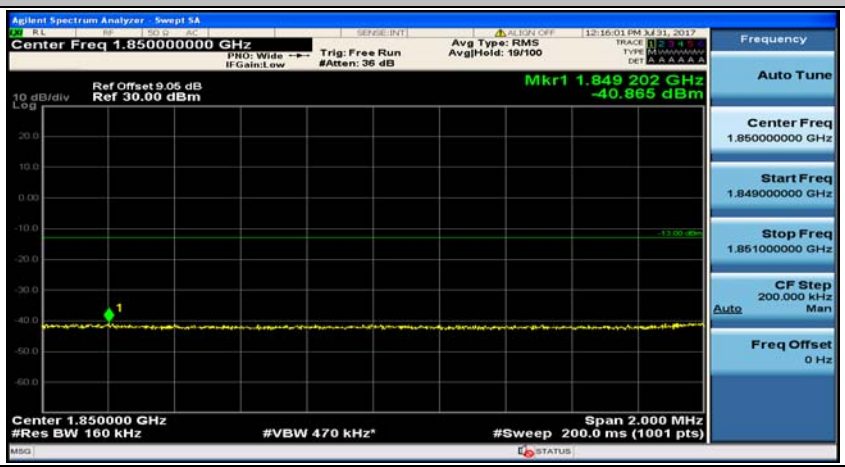

(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74




(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#0

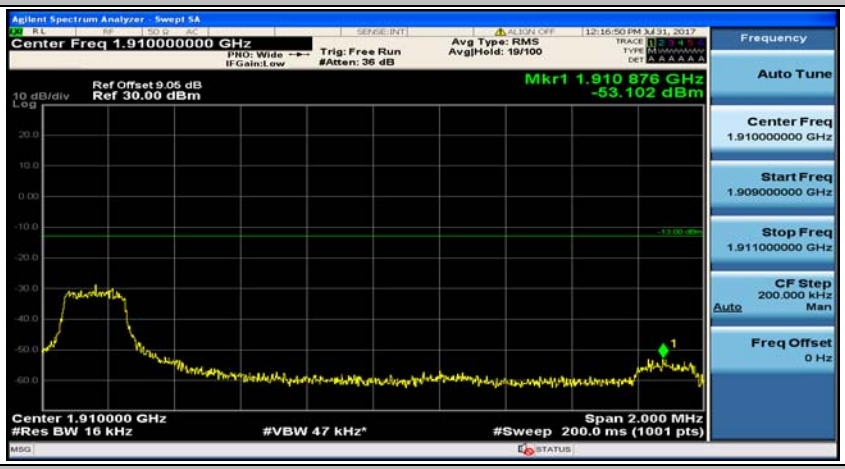
(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#18

(Channel Bandwidth:15 MHz)_LCH_16QAM_37RB#38

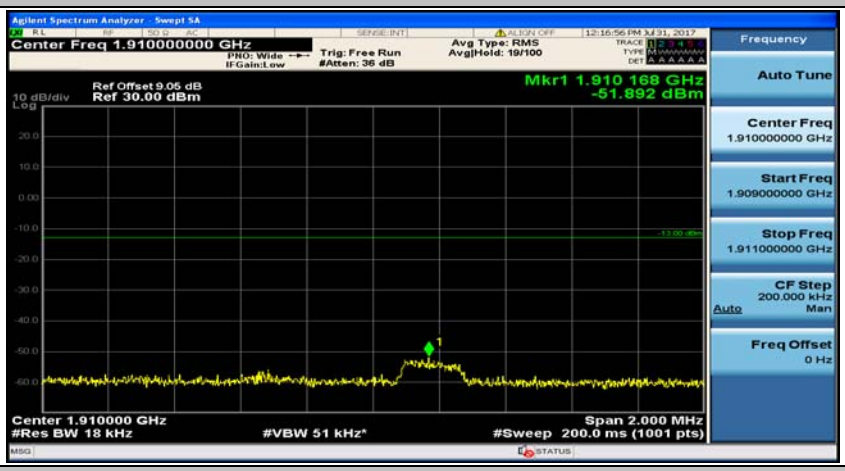



(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0

(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

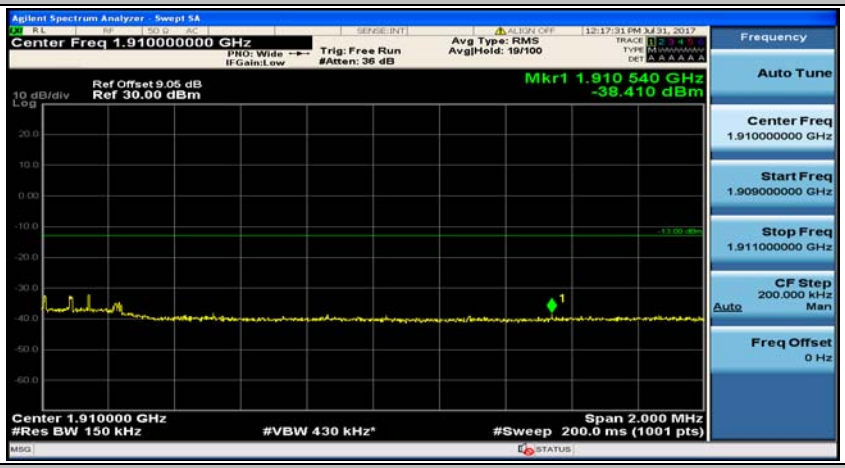



(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

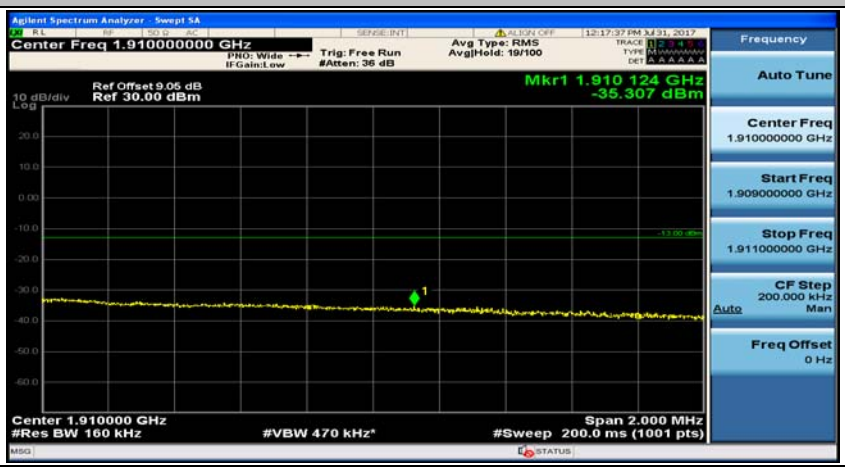



(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74

(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#0




(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#18

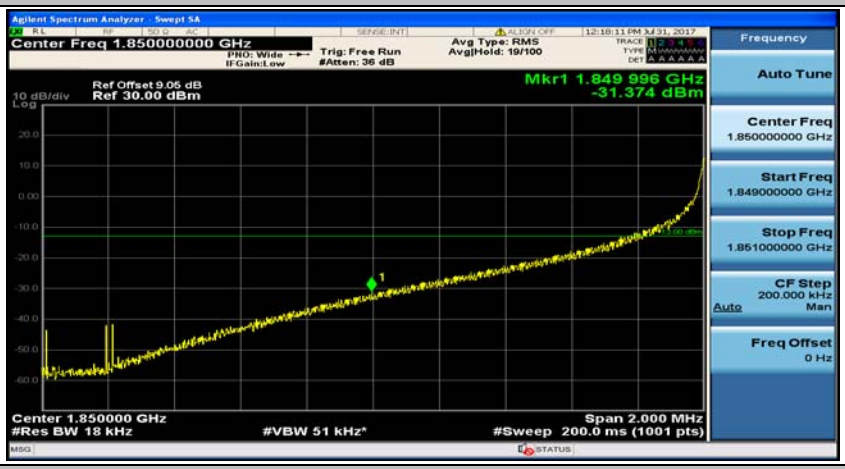



(Channel Bandwidth:15 MHz)_HCH_16QAM_37RB#38

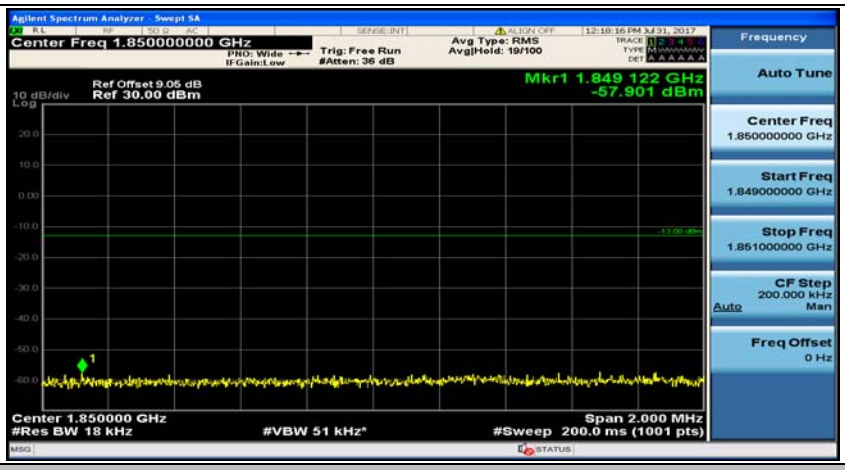
(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0

## Channel Bandwidth: 20 MHz

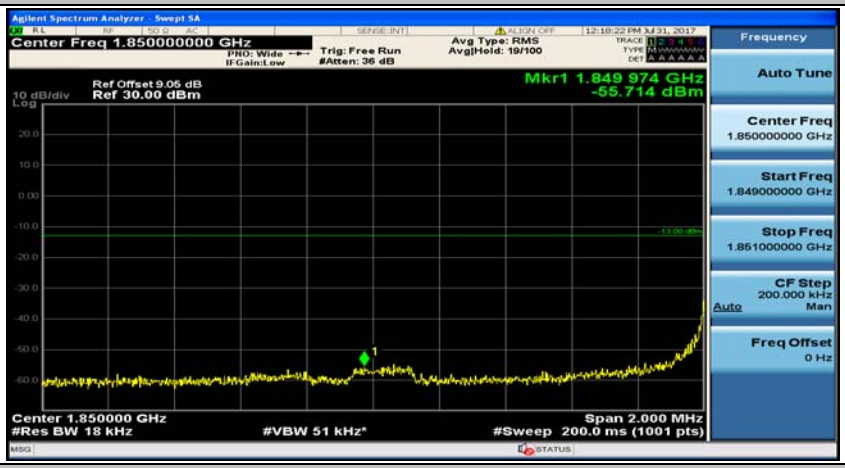
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0



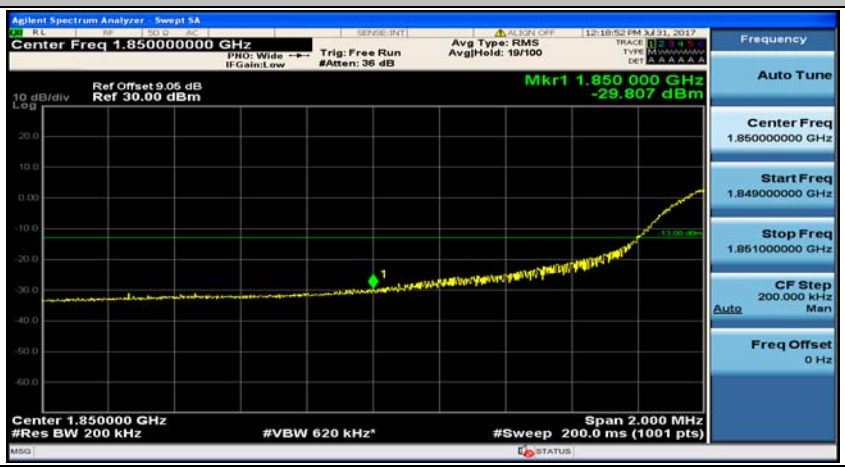

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49




(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99

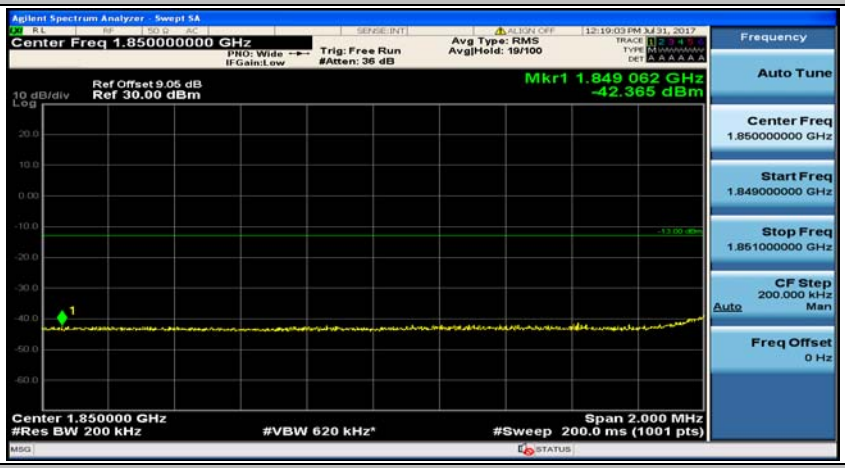



(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#0

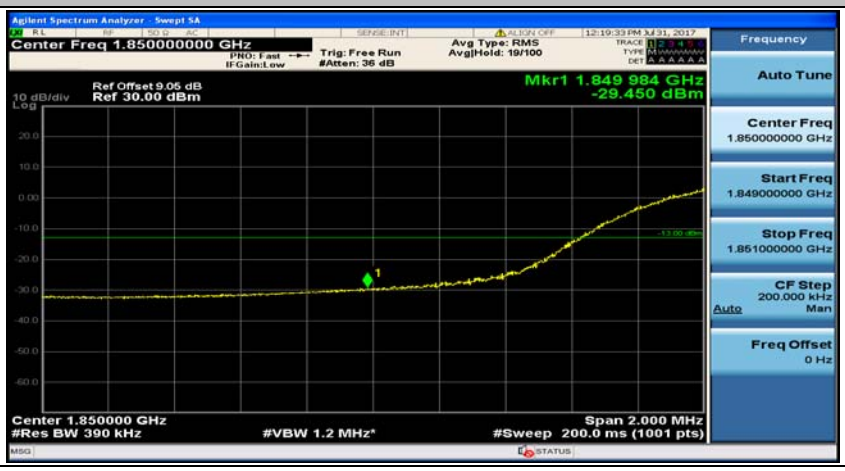



(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#25

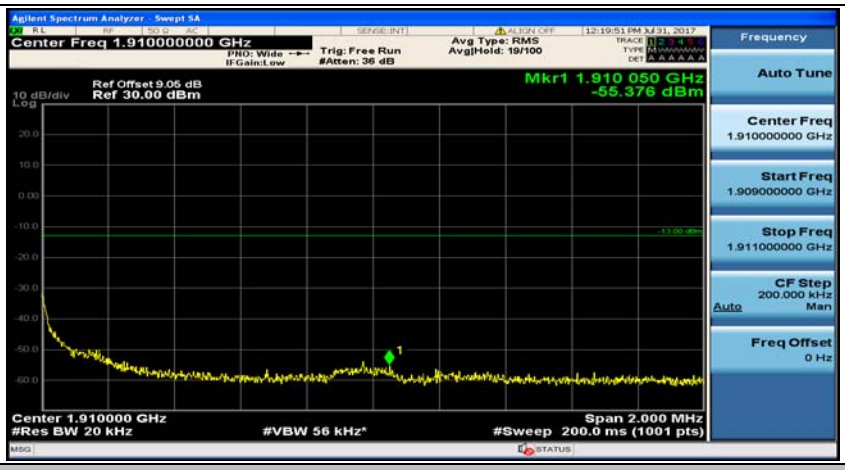
(Channel Bandwidth:20 MHz)_LCH_QPSK_50RB#50



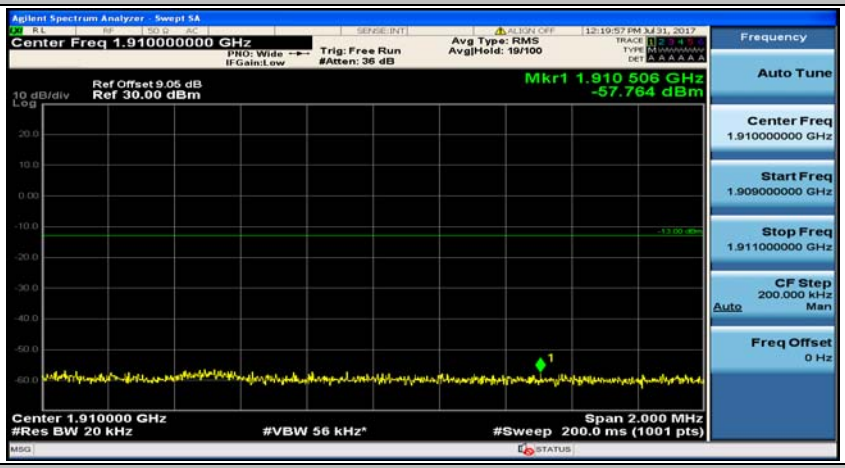

(Channel Bandwidth:20 MHz)_LCH_QPSK_100RB#0



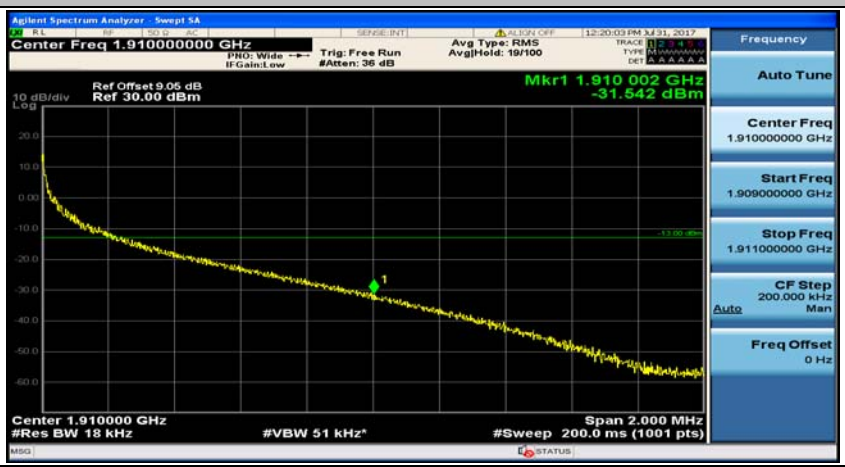

(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0



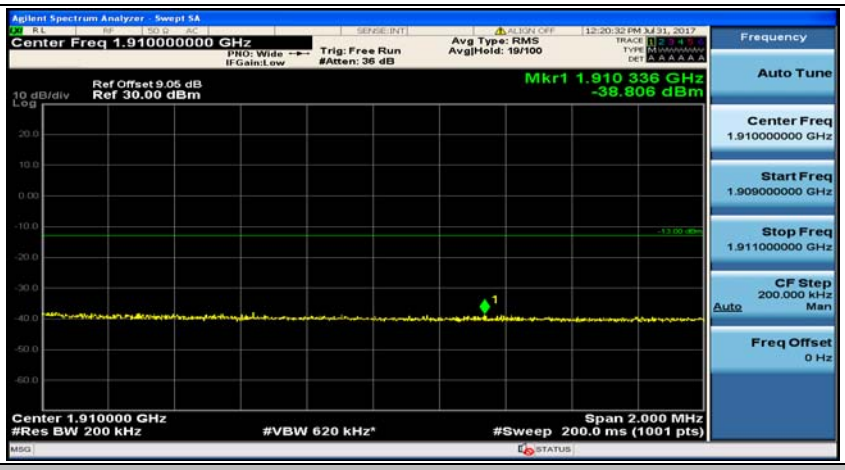

(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49



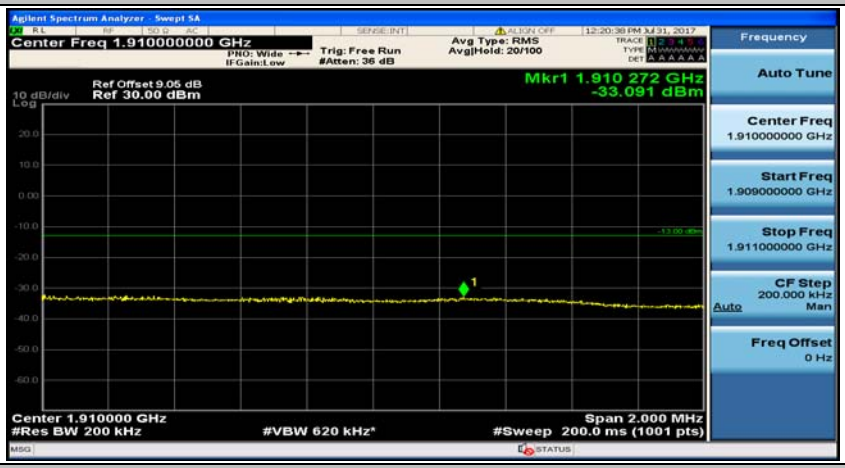

(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99



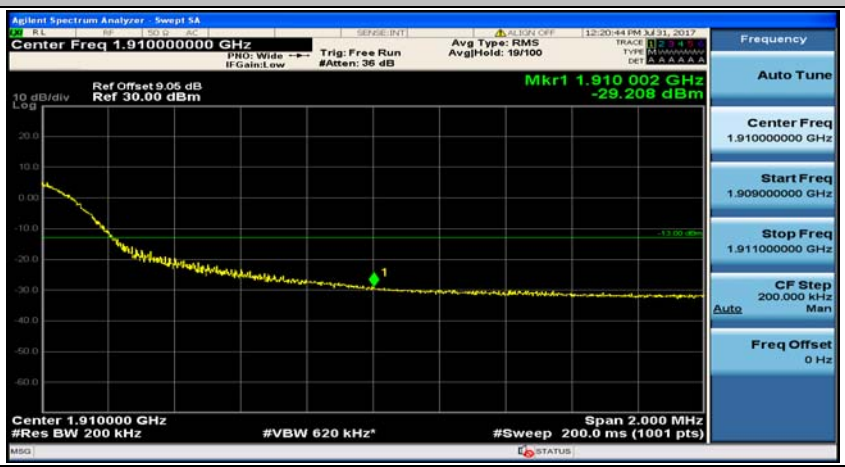

(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#0




(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#25

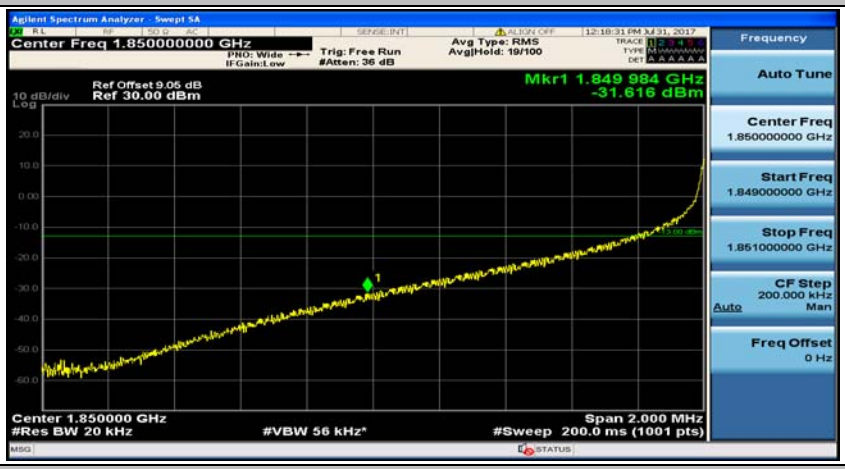



(Channel Bandwidth:20 MHz)_HCH_QPSK_50RB#50

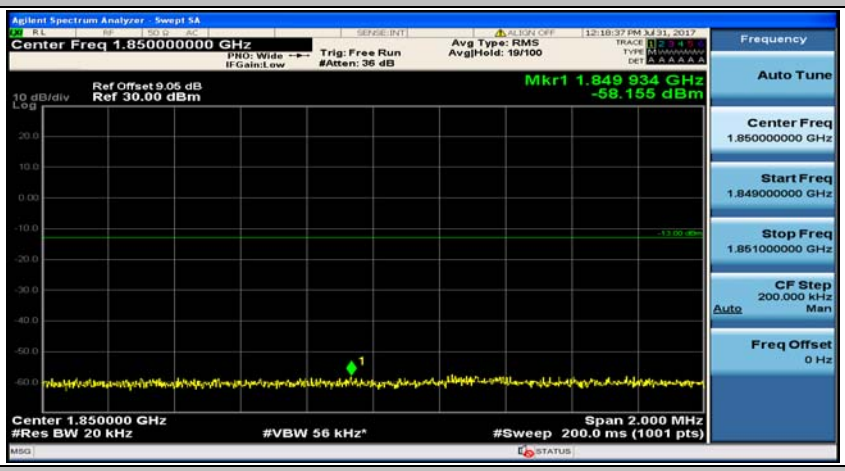



(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0

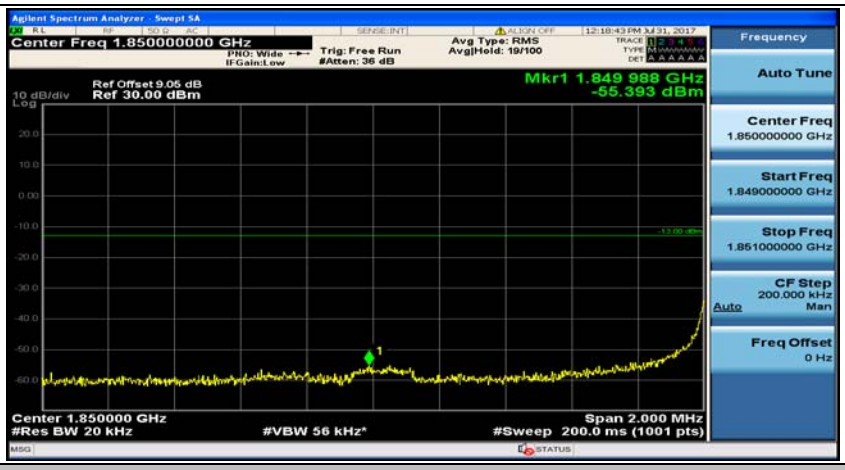
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0



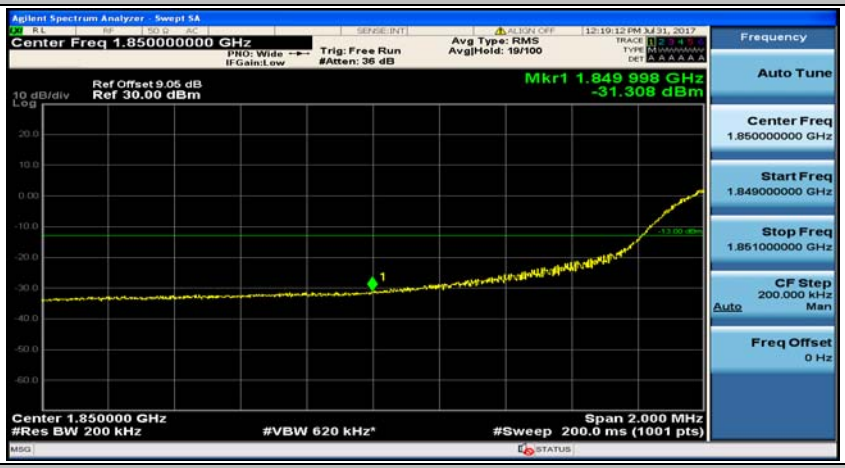

(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49



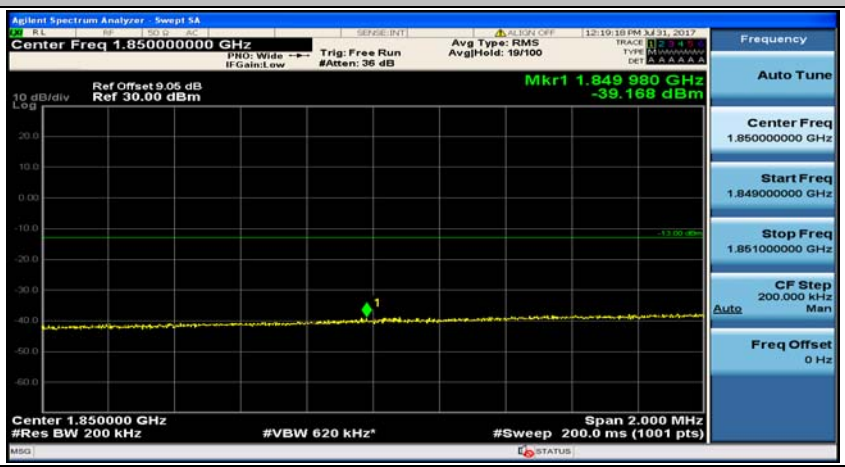

(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99



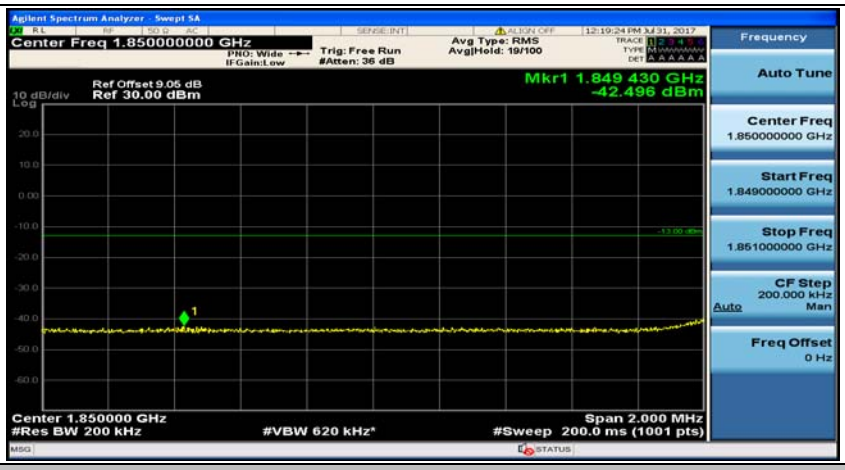

(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#0



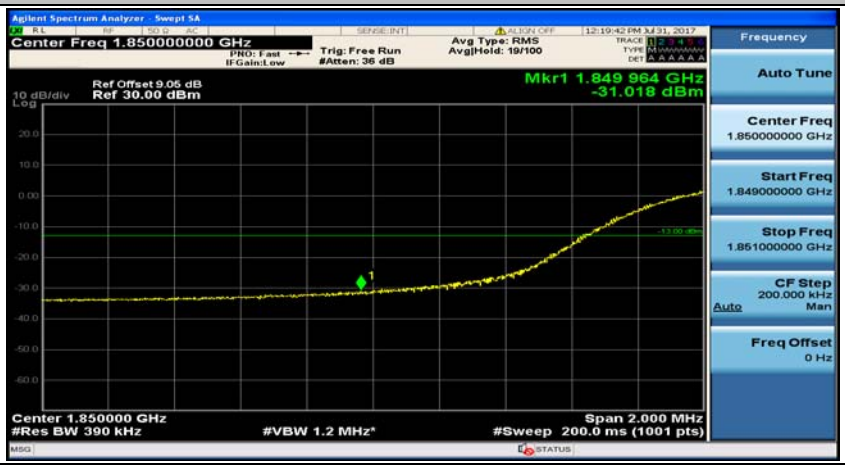

(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#25



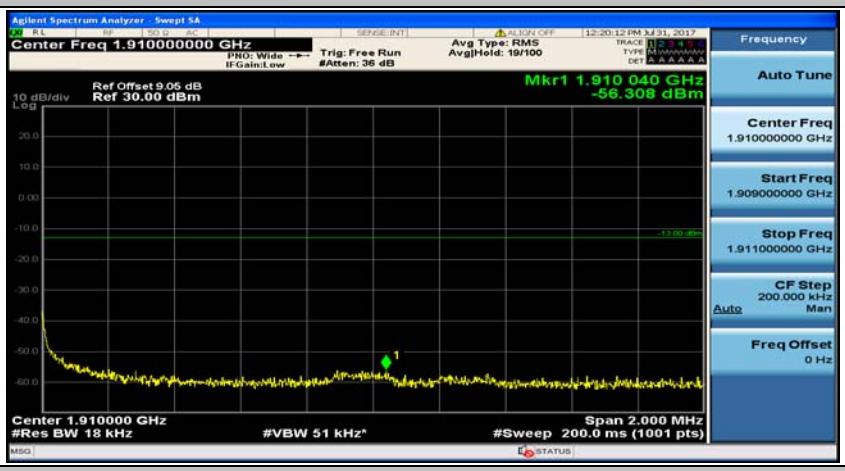

(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#50



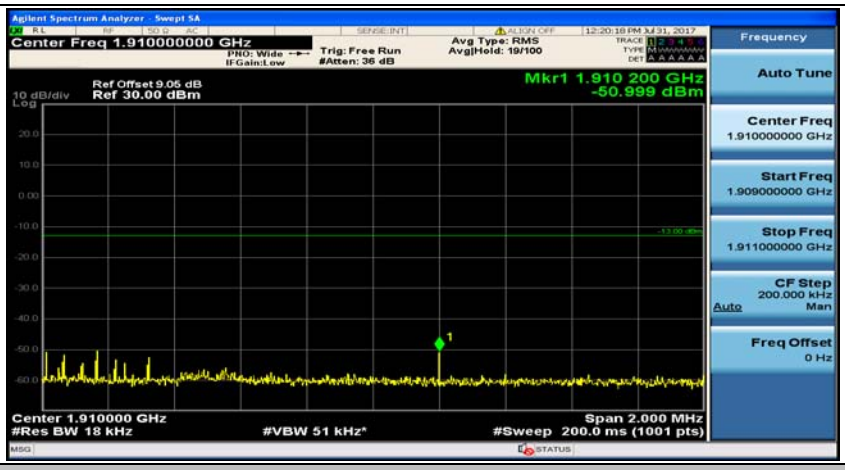

(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0



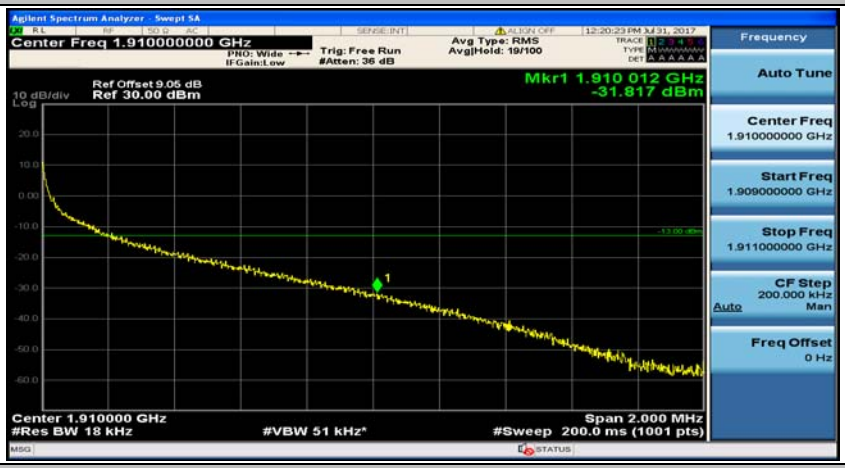

(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



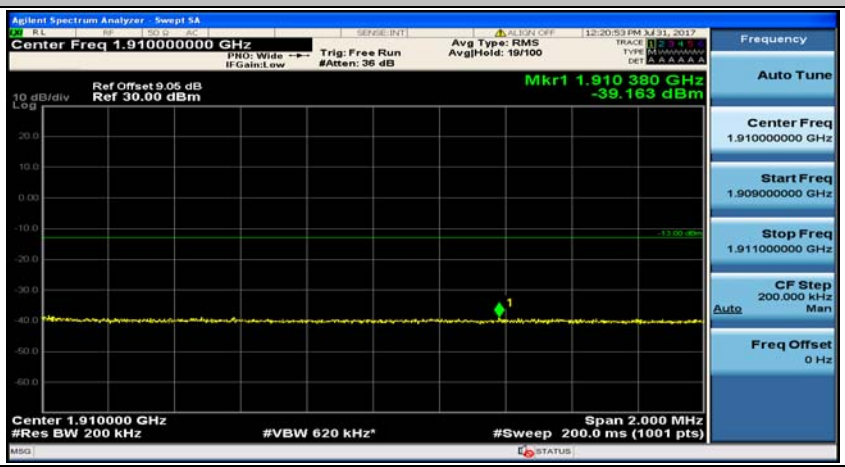

(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49



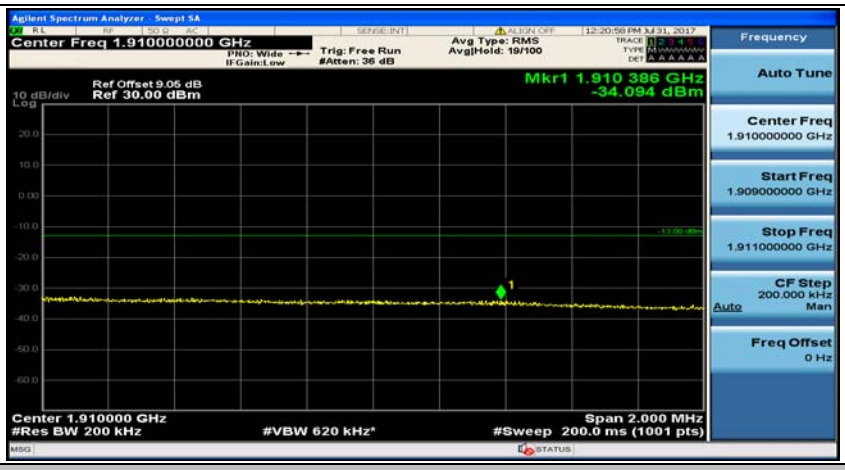

(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99




(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#0

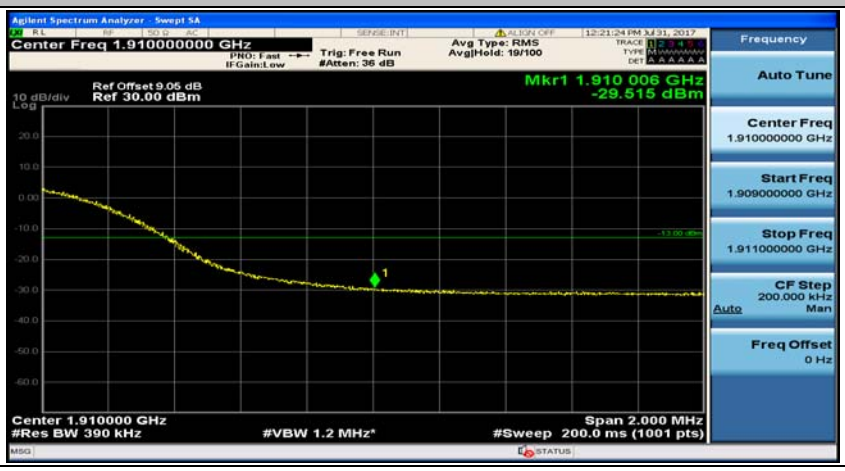



(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#25




(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#50

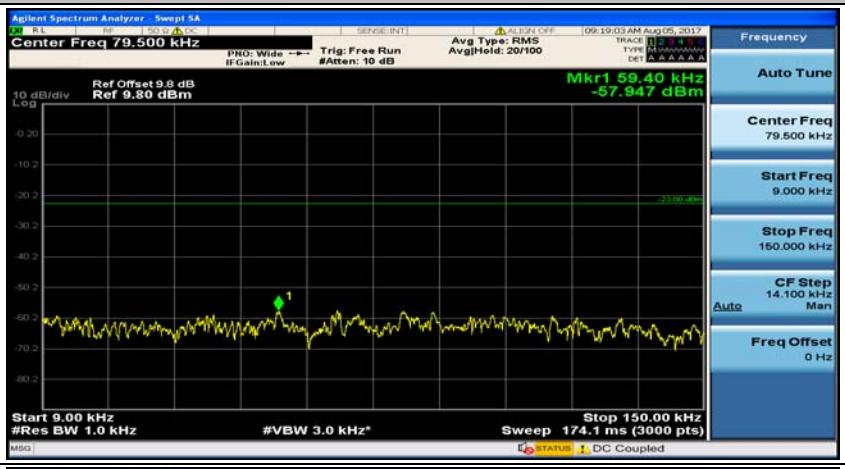
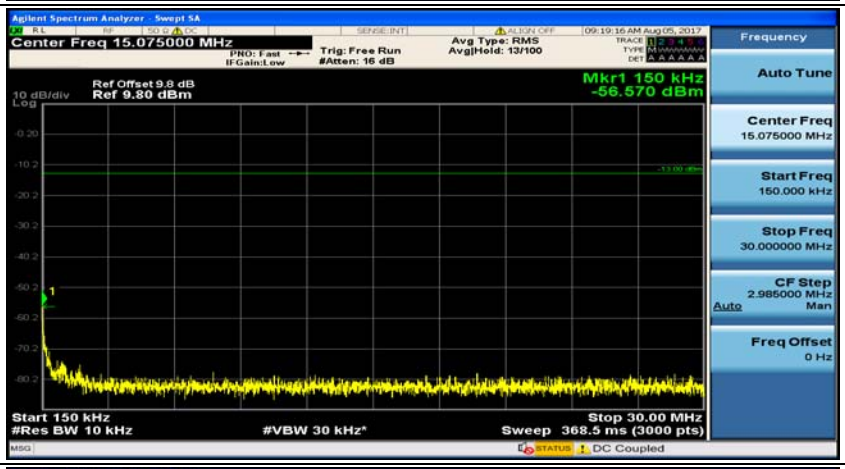
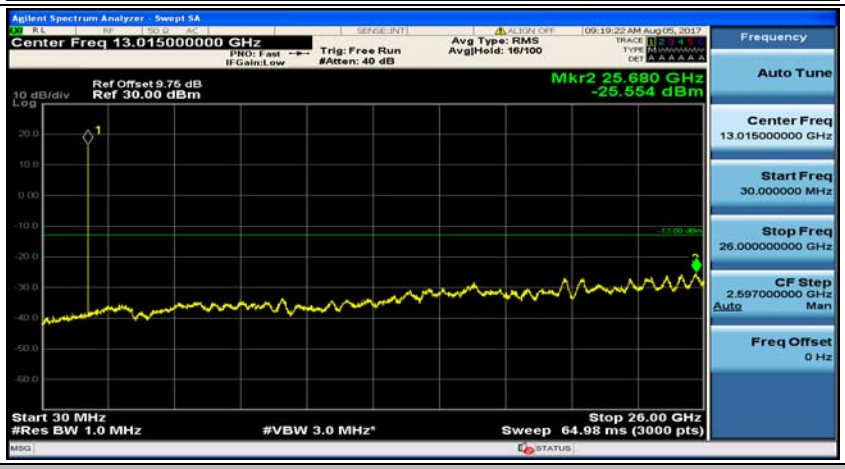
(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0

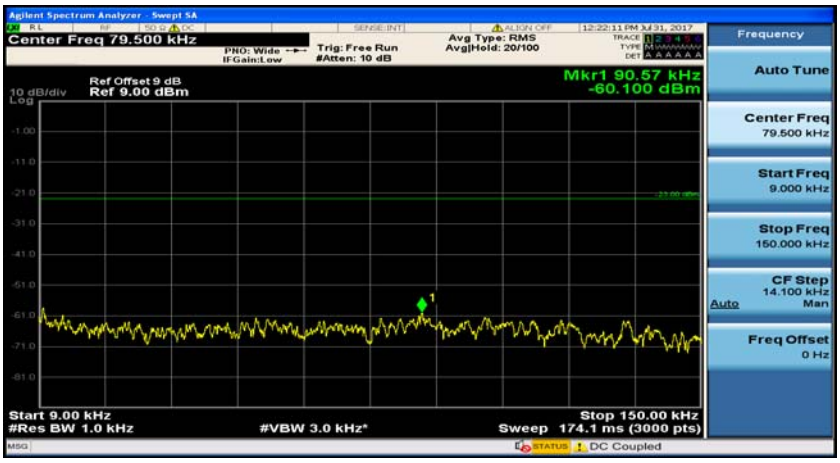


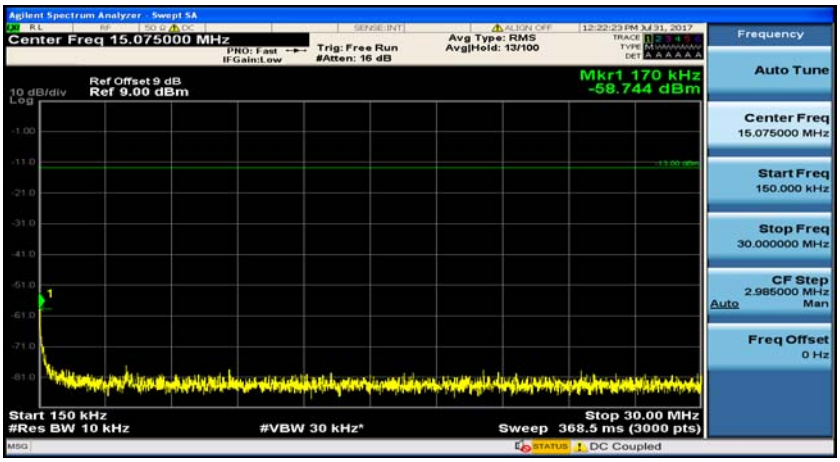
# Appendix E: Conducted Spurious Emission

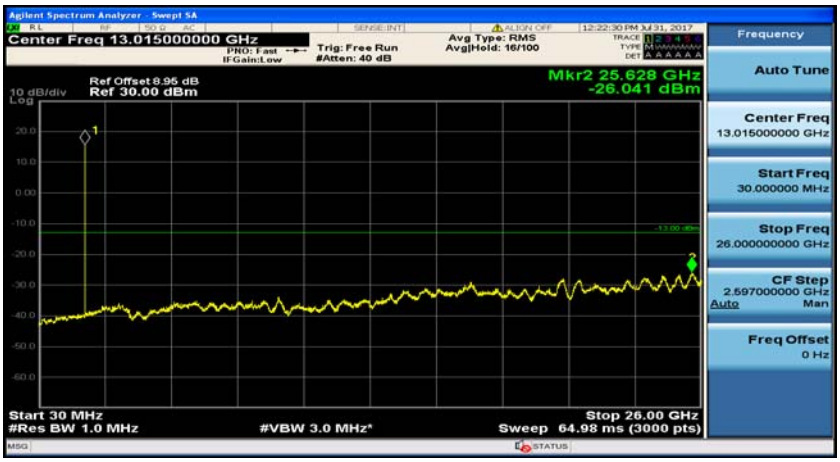
## Test Graphs

## Channel Bandwidth: 1.4 MHz

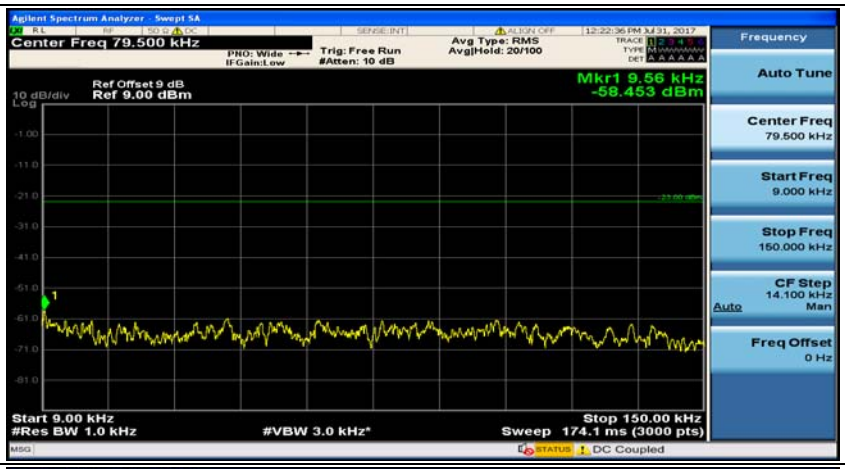
| (Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0 |
|---|
|   |
|   |
|   |
| (Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#3 |

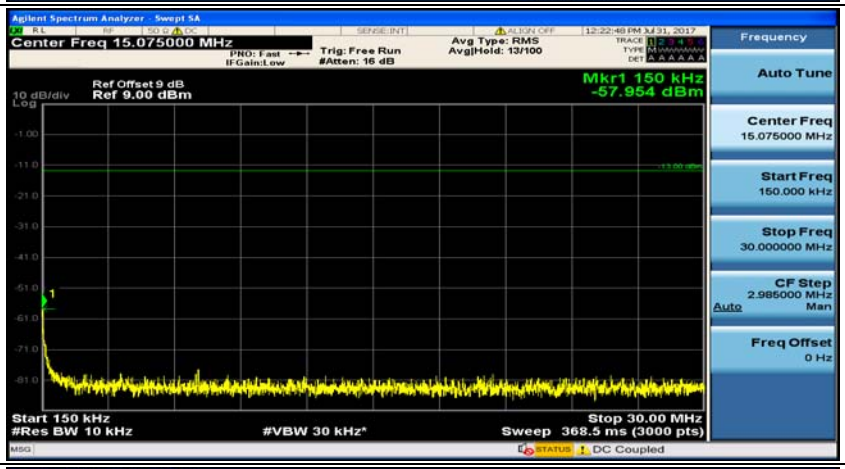


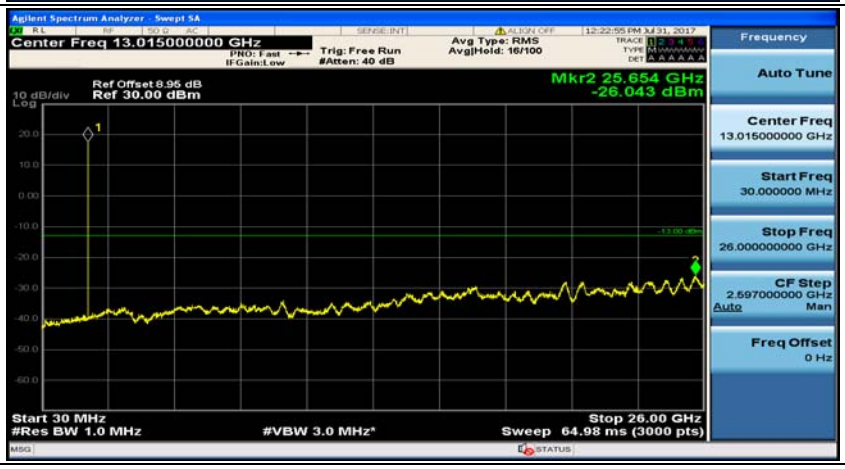



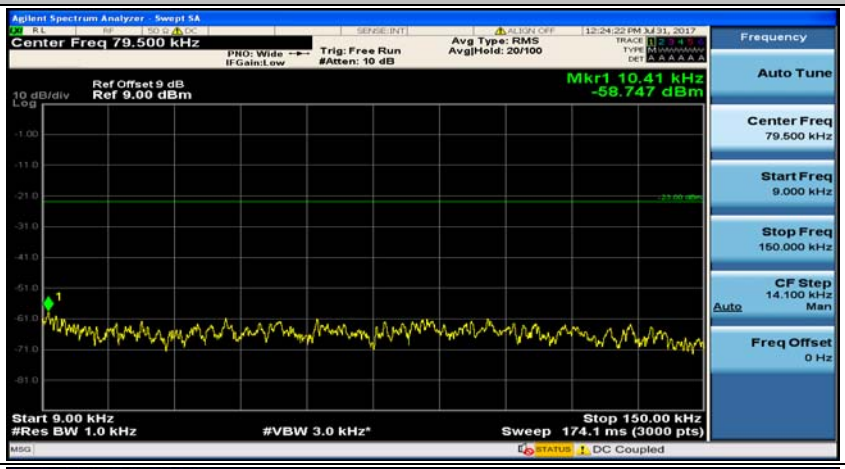

(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#5

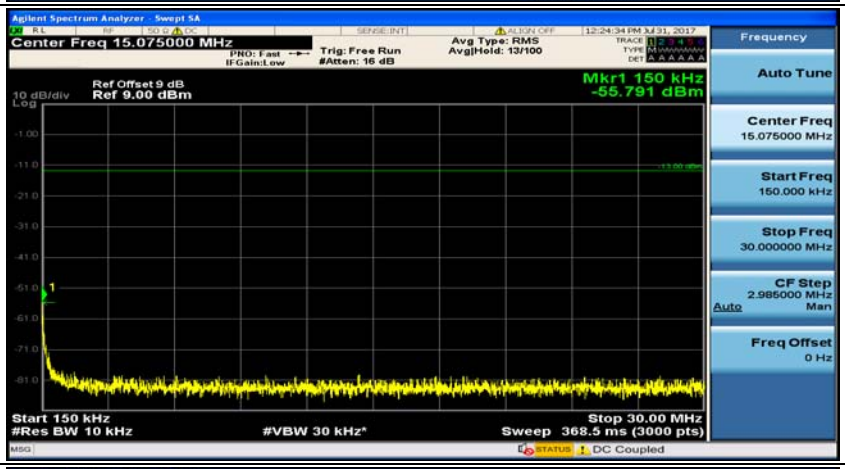

Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 20/100
12:22:36 PM Jul 31, 2017
Ref Offset 9 dB
10 dB/div
Ref 9.00 dBm
Mkr1 9.56 kHz
-58.453 dBm
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.1 ms (3000 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
79.500 kHz
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz

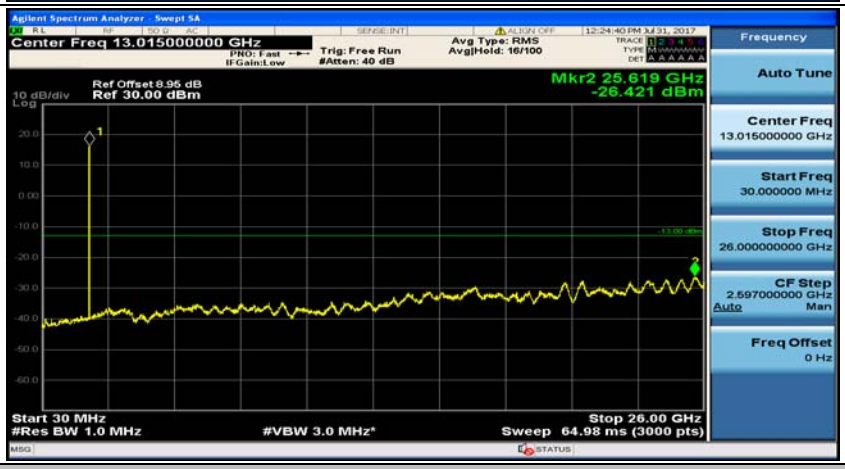

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: RMS
Avg|Hold: 13/100
12:22:48 PM Jul 31, 2017
Ref Offset 9 dB
10 dB/div
Ref 9.00 dBm
Mkr1 150 kHz
-57.954 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.5 ms (3000 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 16/100
12:22:55 PM Jul 31, 2017
Ref Offset 8.95 dB
10 dB/div
Ref 30.00 dBm
Mkr2 25.654 GHz
-26.043 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.98 ms (3000 pts)
Frequency
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz

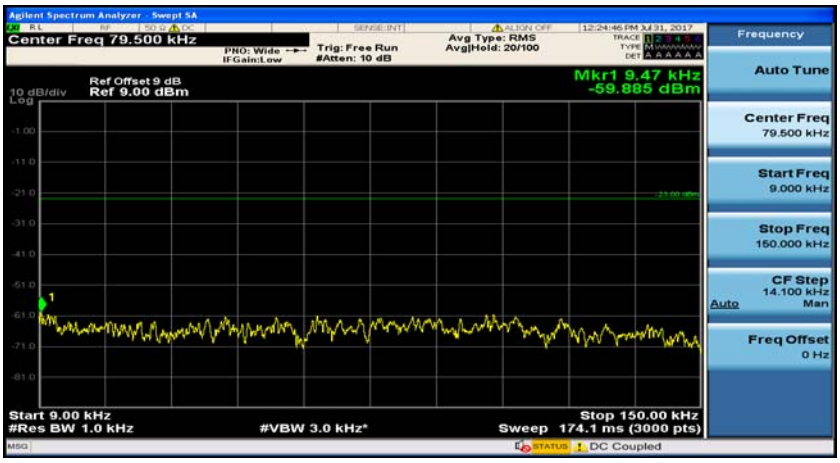
(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#0

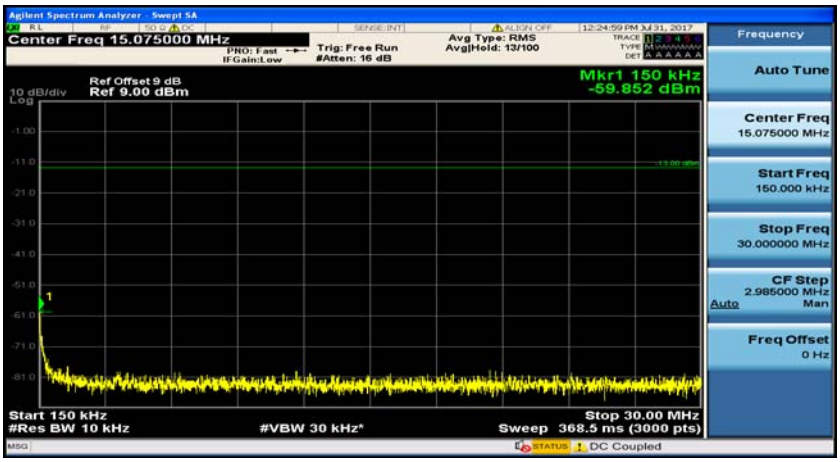


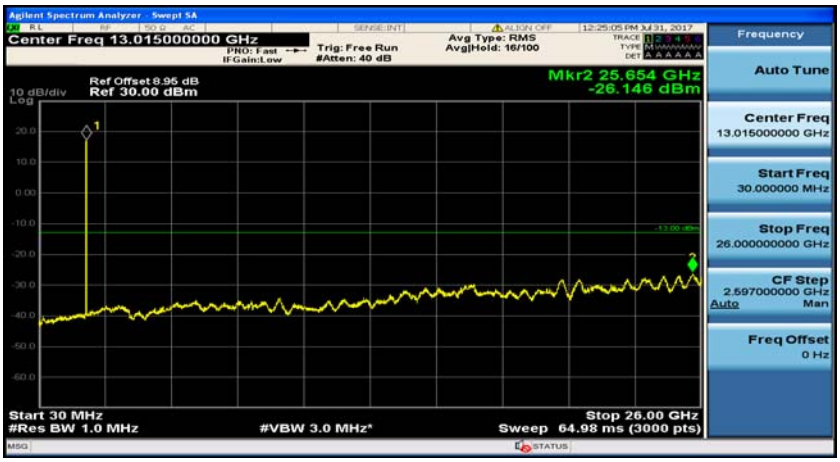



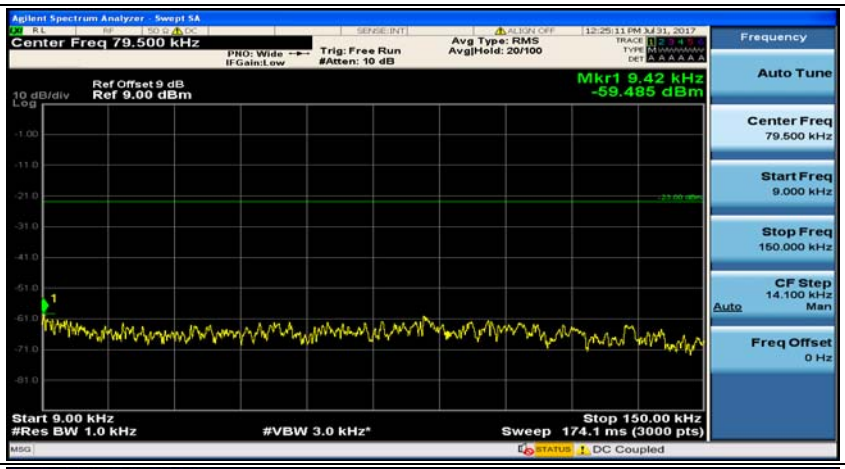

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#3

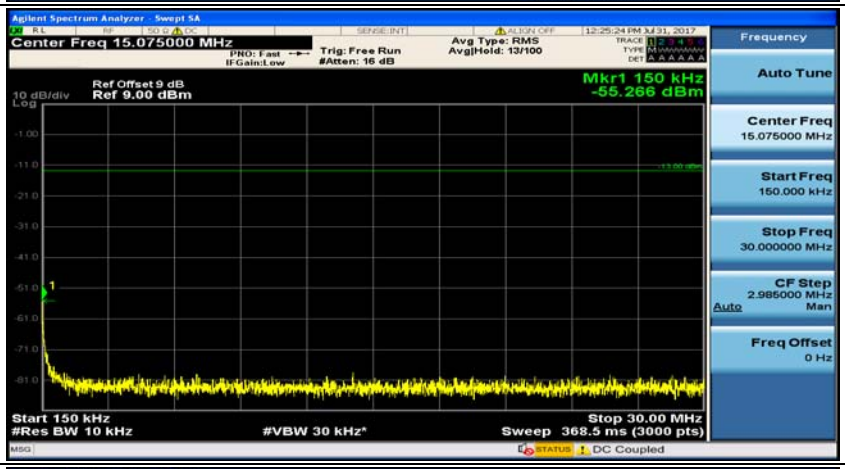


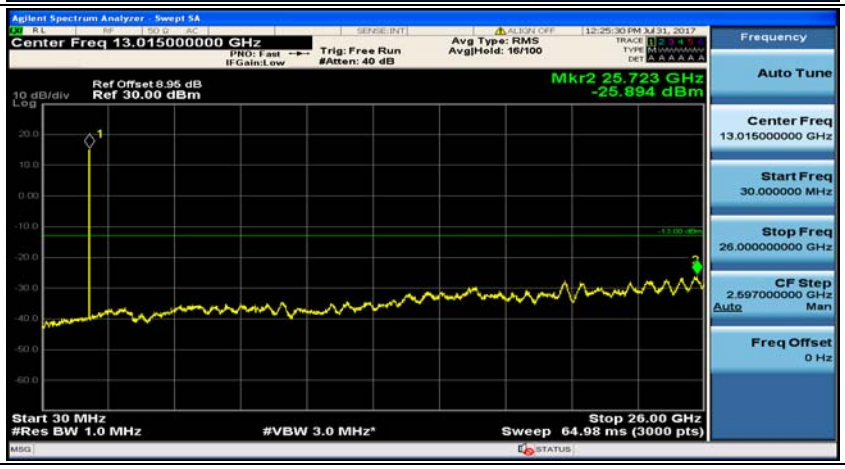



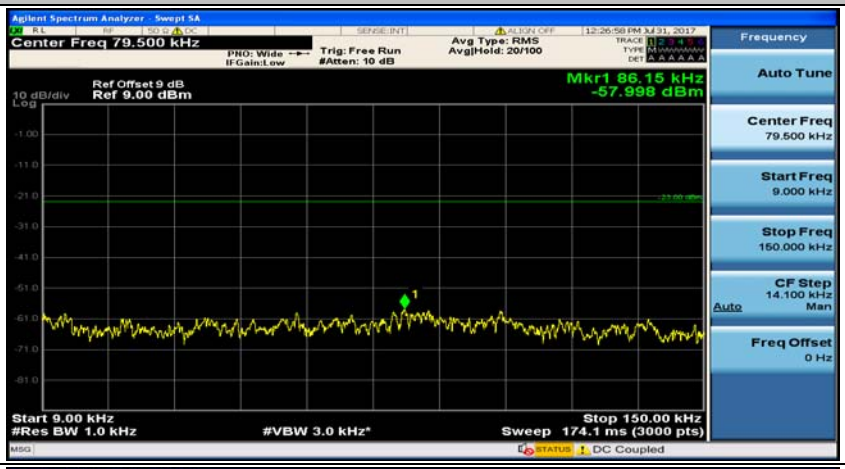

(Channel Bandwidth: 1.4 MHz)_MCH_QPSK_1RB#5

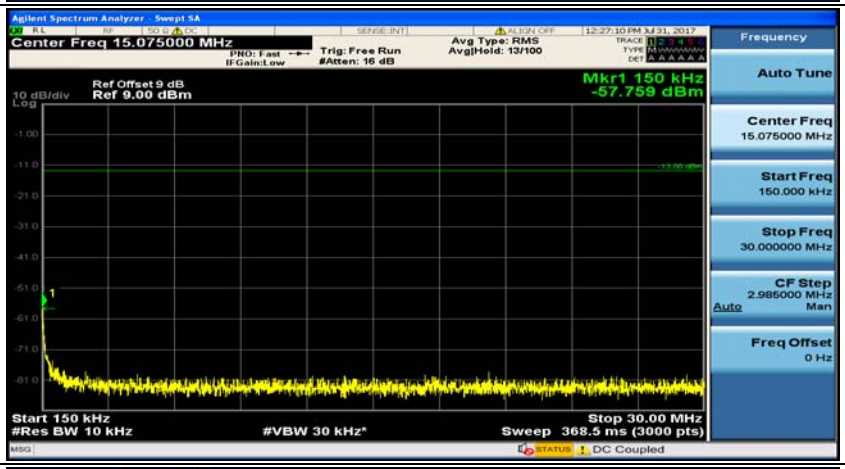

Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 20/100
12:25:11 PM Jul 31, 2017
Ref Offset 9 dB
10 dB/div
Ref 9.00 dBm
Log
Mkr1 9.42 kHz
-59.485 dBm
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.1 ms (3000 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
79.500 kHz
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz

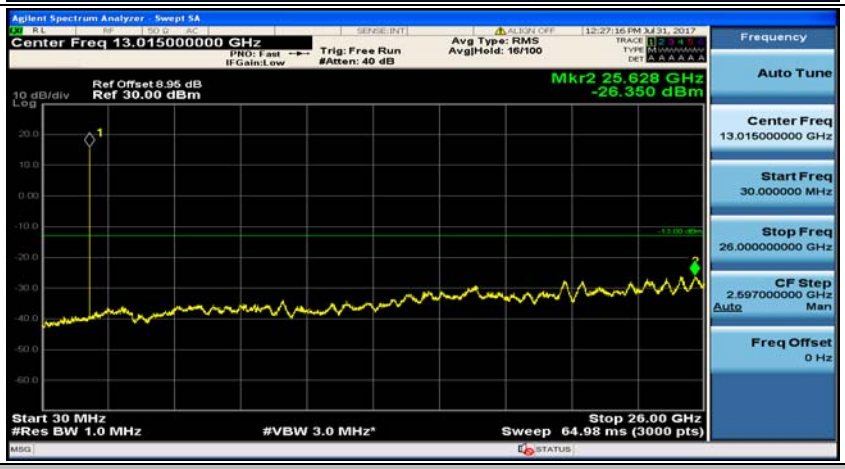

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: RMS
Avg|Hold: 13/100
12:25:24 PM Jul 31, 2017
Ref Offset 9 dB
10 dB/div
Ref 9.00 dBm
Log
Mkr1 150 kHz
-55.266 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.5 ms (3000 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 16/100
12:25:30 PM Jul 31, 2017
Ref Offset 8.95 dB
10 dB/div
Ref 30.00 dBm
Log
Mkr2 25.723 GHz
-25.894 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.98 ms (3000 pts)
Frequency
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz

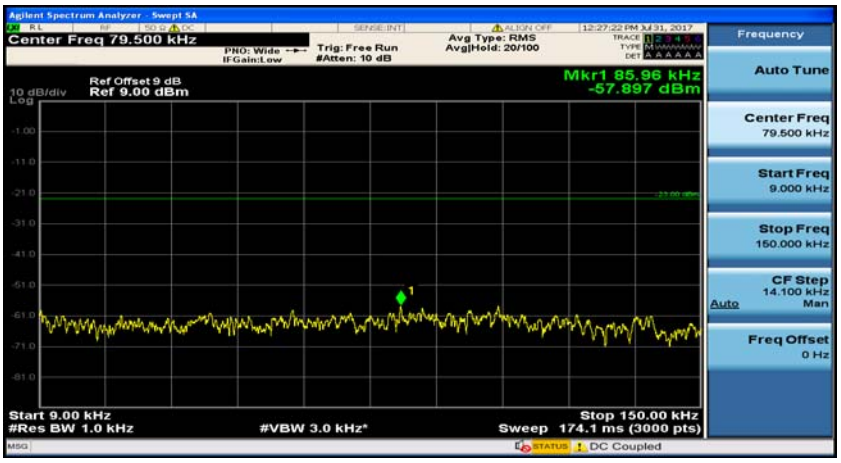
(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

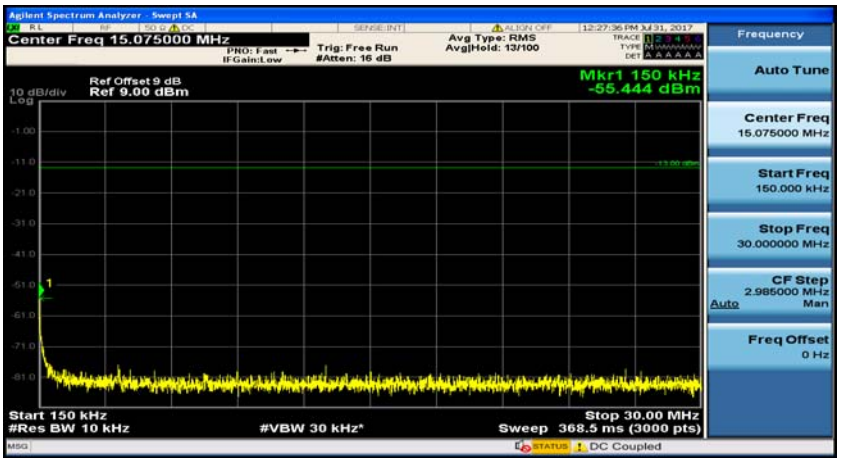


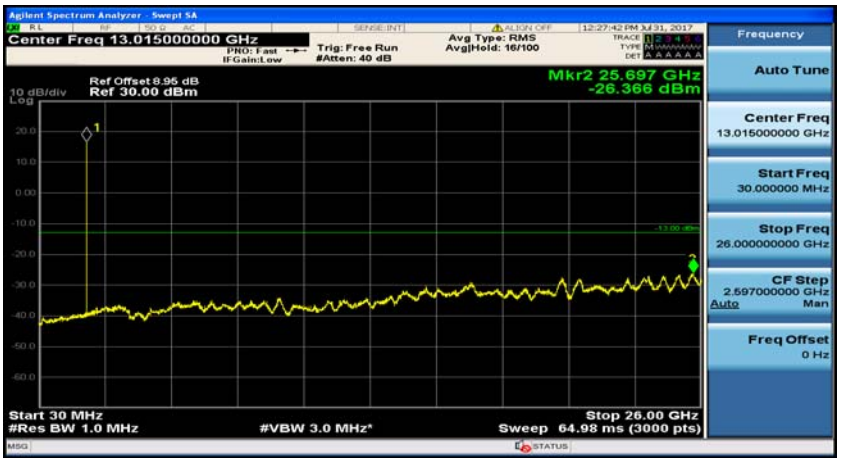



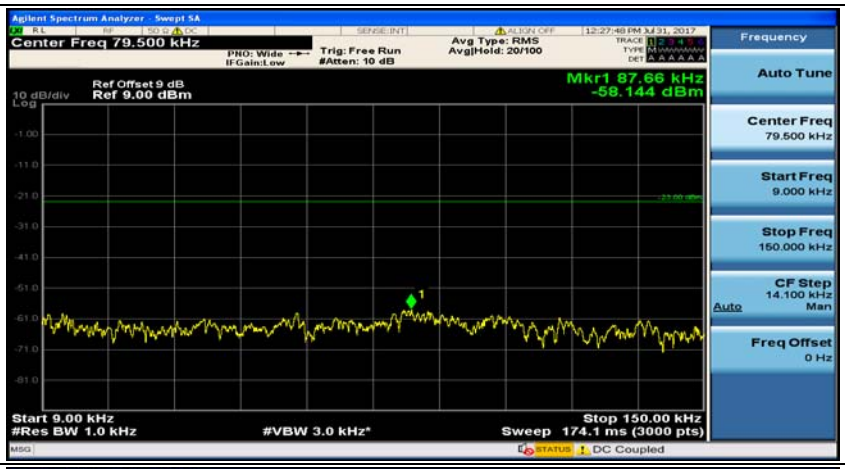

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#3

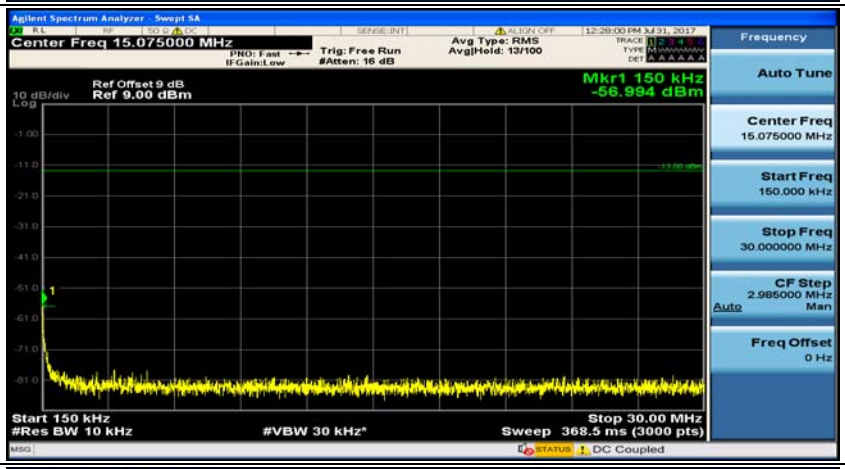


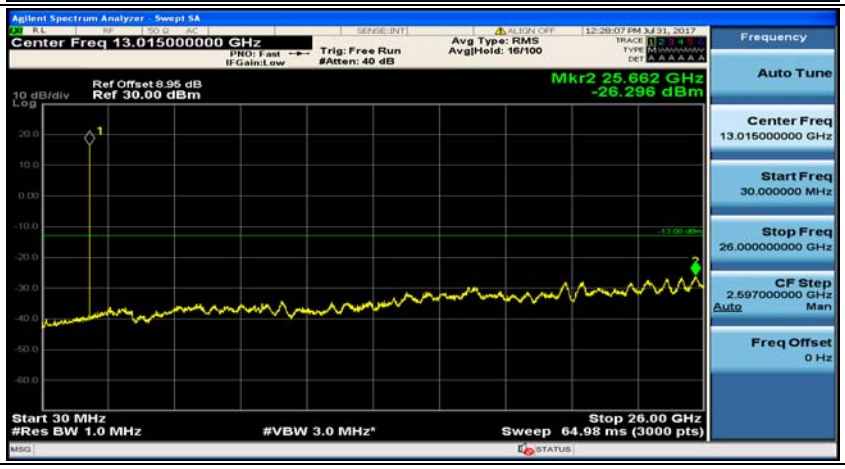



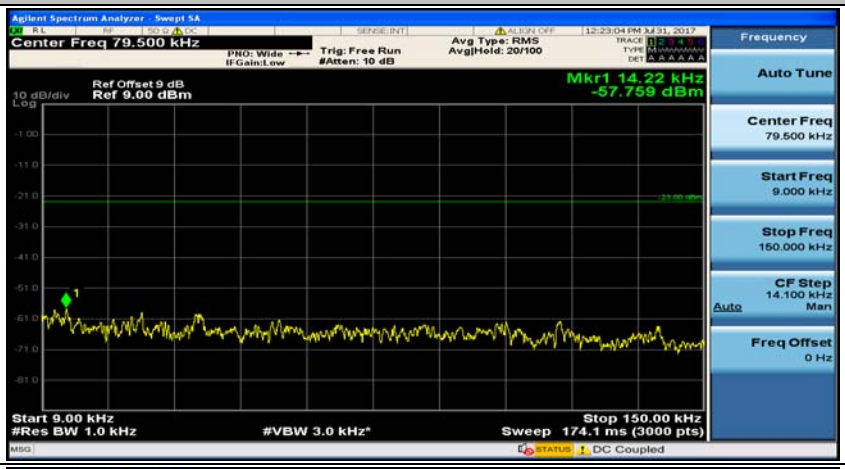

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#5

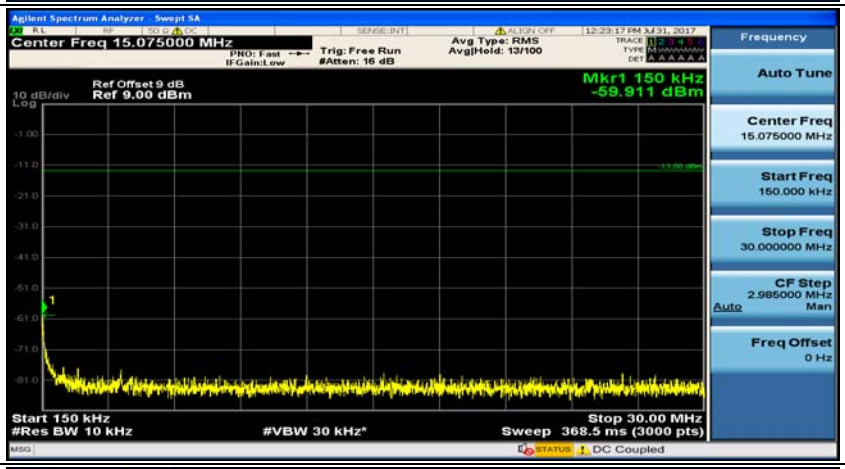

Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 20/100
12:27:48 PM Jul 31, 2017
Ref Offset 9 dB
10 dB/div
Ref 9.00 dBm
Mkr1 87.66 kHz
-58.144 dBm
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.1 ms (3000 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
79.500 kHz
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz

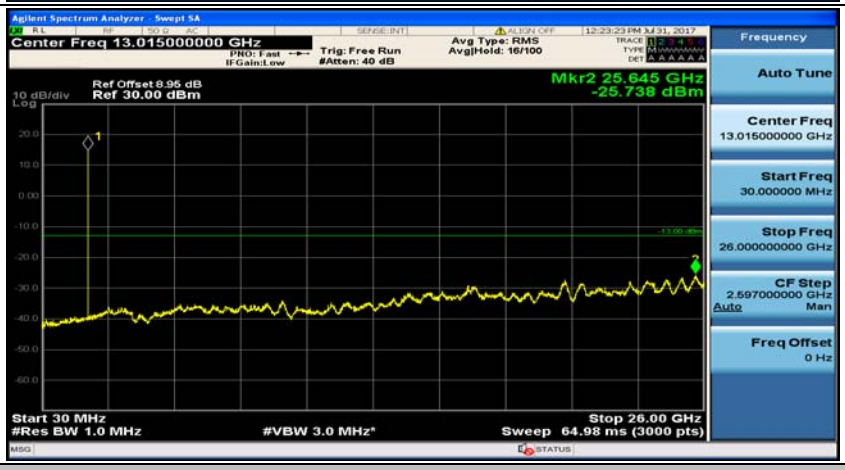

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: RMS
Avg|Hold: 13/100
12:28:00 PM Jul 31, 2017
Ref Offset 9 dB
10 dB/div
Ref 9.00 dBm
Mkr1 150 kHz
-56.994 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.5 ms (3000 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 16/100
12:28:07 PM Jul 31, 2017
Ref Offset 8.95 dB
10 dB/div
Ref 30.00 dBm
Mkr2 25.662 GHz
-26.296 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.98 ms (3000 pts)
Frequency
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz

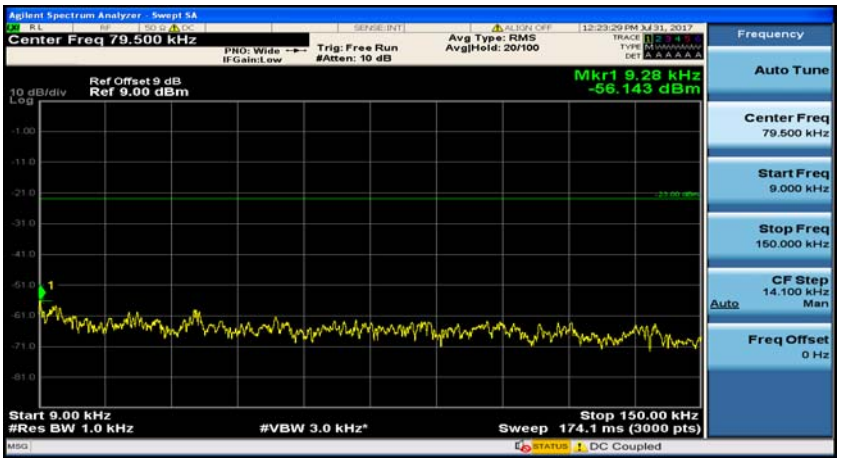
(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

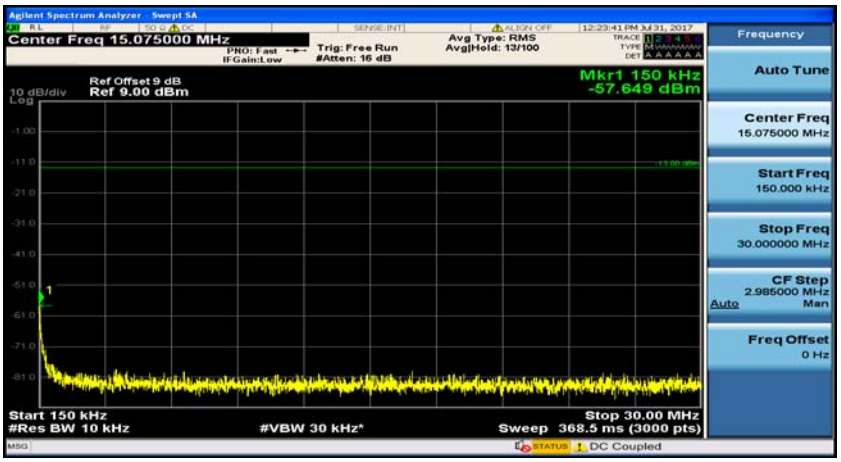


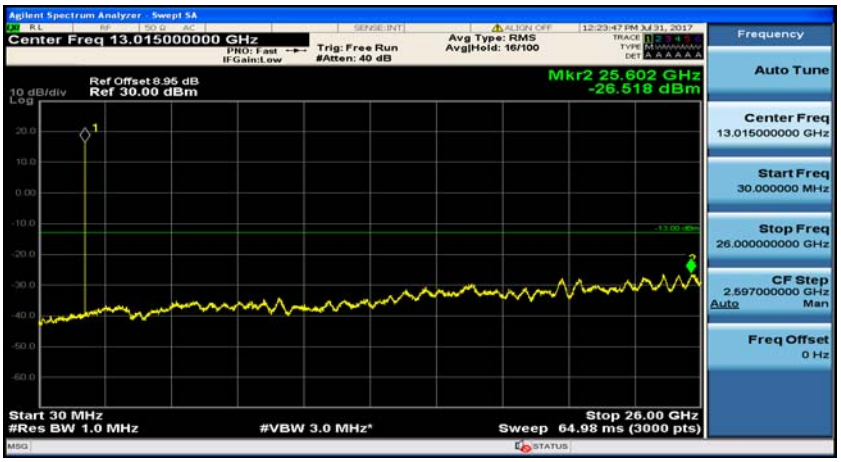



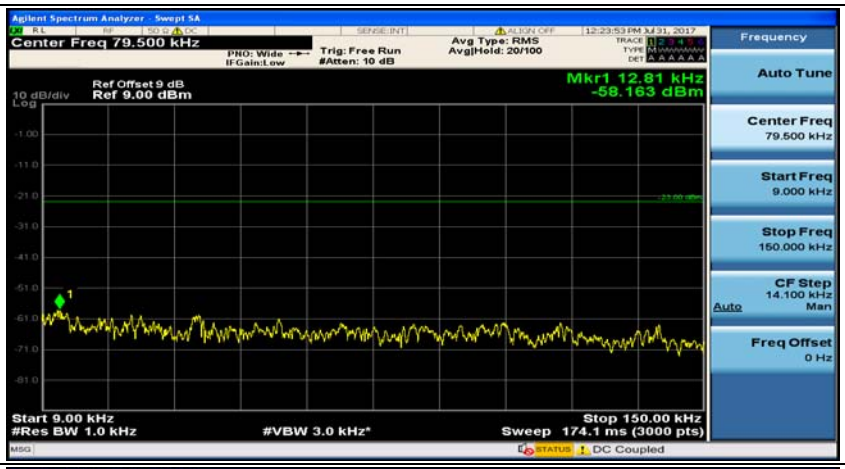

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#3

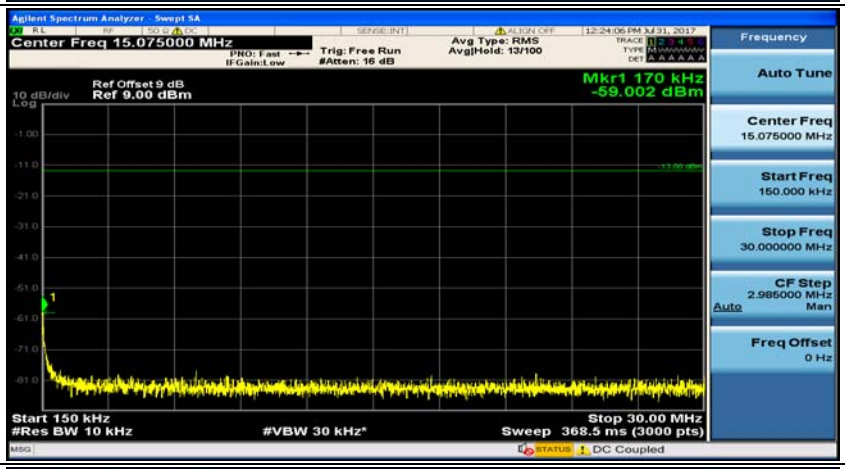


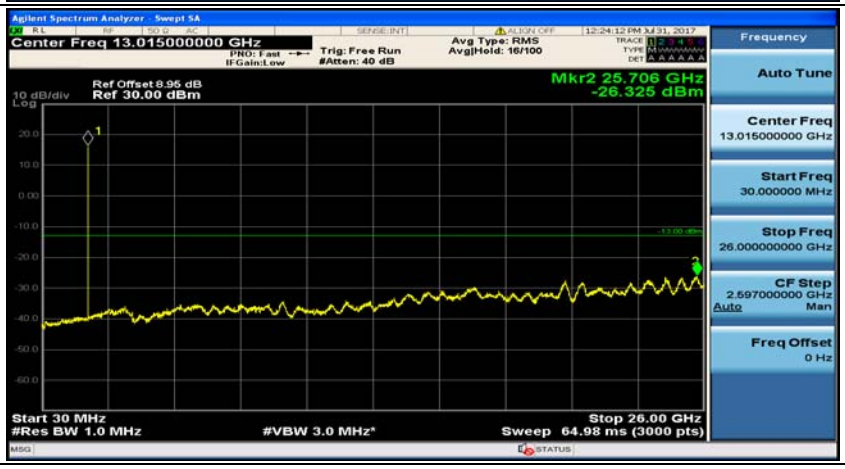




(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#5


Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 20/100
12:23:53 PM Jul 31, 2017
Ref Offset 9 dB
10 dB/div
Ref 9.00 dBm
Mkr1 12.81 kHz
-58.163 dBm
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.1 ms (3000 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
79.500 kHz
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 16 dB
Avg Type: RMS
Avg|Hold: 13/100
12:24:06 PM Jul 31, 2017
Ref Offset 9 dB
10 dB/div
Ref 9.00 dBm
Mkr1 170 kHz
-59.002 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.5 ms (3000 pts)
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.015000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 16/100
12:24:12 PM Jul 31, 2017
Ref Offset 8.95 dB
10 dB/div
Ref 30.00 dBm
Mkr2 25.706 GHz
-26.325 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.98 ms (3000 pts)
Frequency
Auto Tune
Center Freq
13.015000000 GHz
Start Freq
30.000000 MHz
Stop Freq
26.000000000 GHz
CF Step
2.597000000 GHz
Auto
Man
Freq Offset
0 Hz