(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

Screen 1:

Agilent Spectrum Analyzer - Swept SA

LXI R L   RF   50 Ω DC   SENSE:INT   ALIGN AUTO   12:56:12 PM Mar 12, 2018

Center Freq 79.500 kHz   Avg Type: RMS   TRACE 1 2 3 4 5 6
                          PNO: Wide   Trig: Free Run   Avg|Hold: 6/100   TYPE M W W W W W
                          IF Gain:Low   #Atten: 10 dB   DET A A A A A A

                                                                   Mkr1 9.141 kHz
10 dB/div   Ref Offset 8.44 dB   **-62.488 dBm**
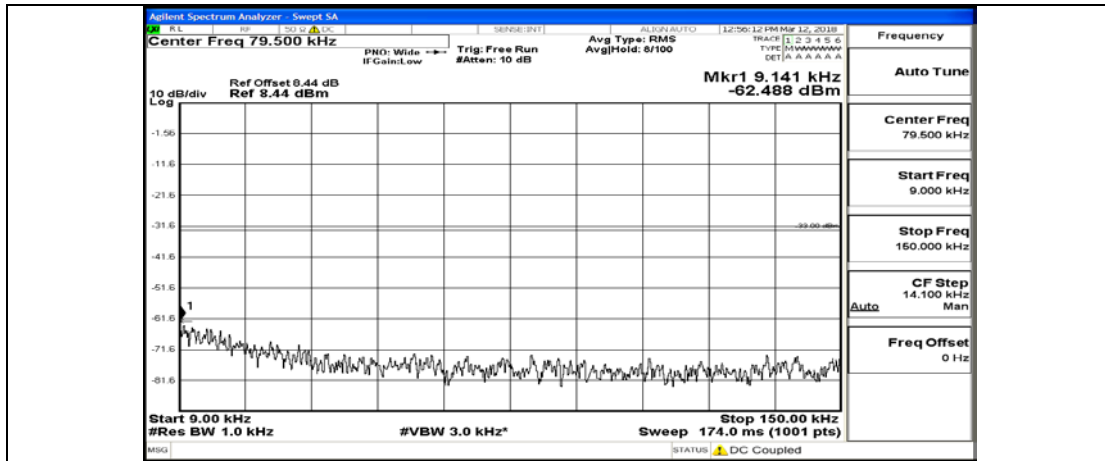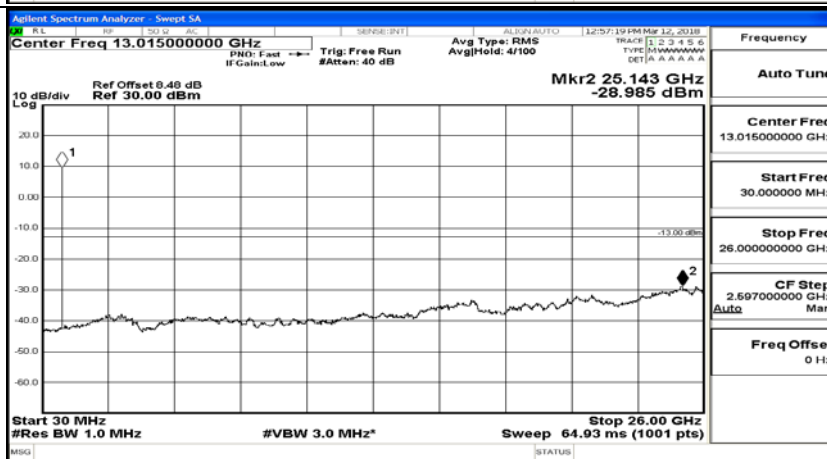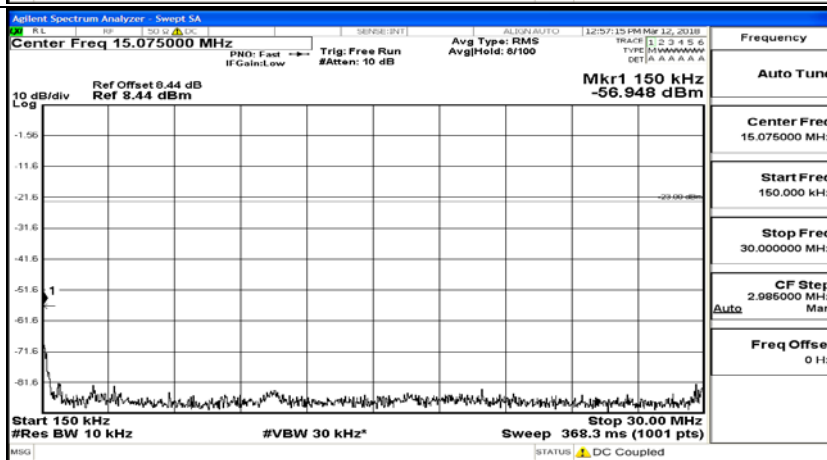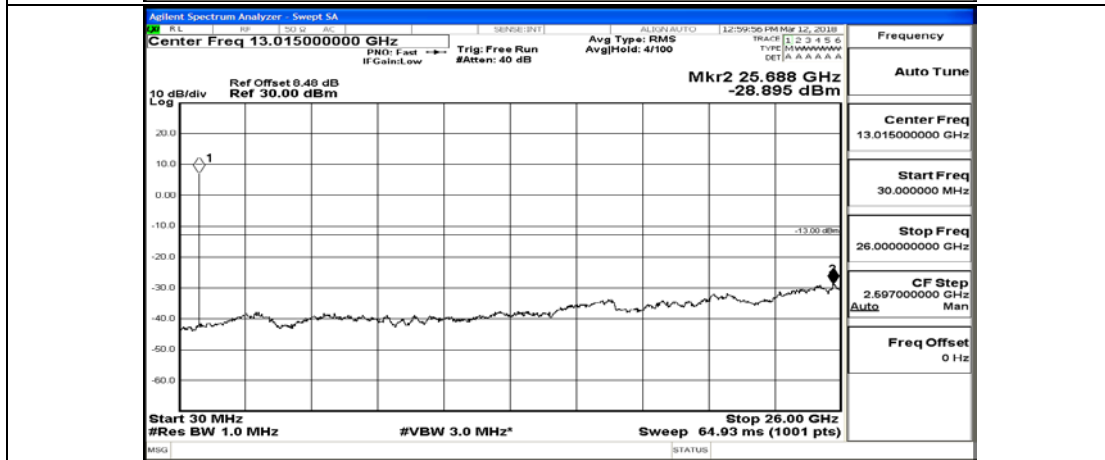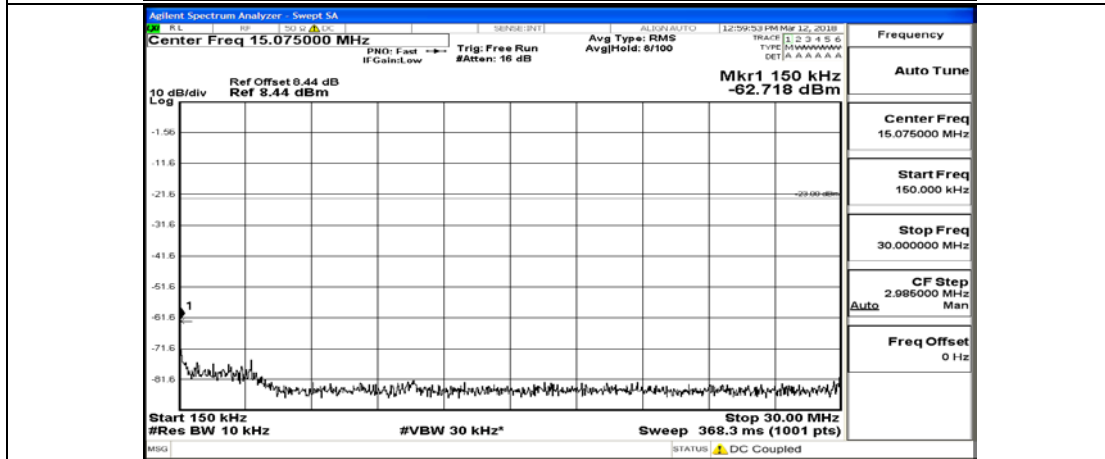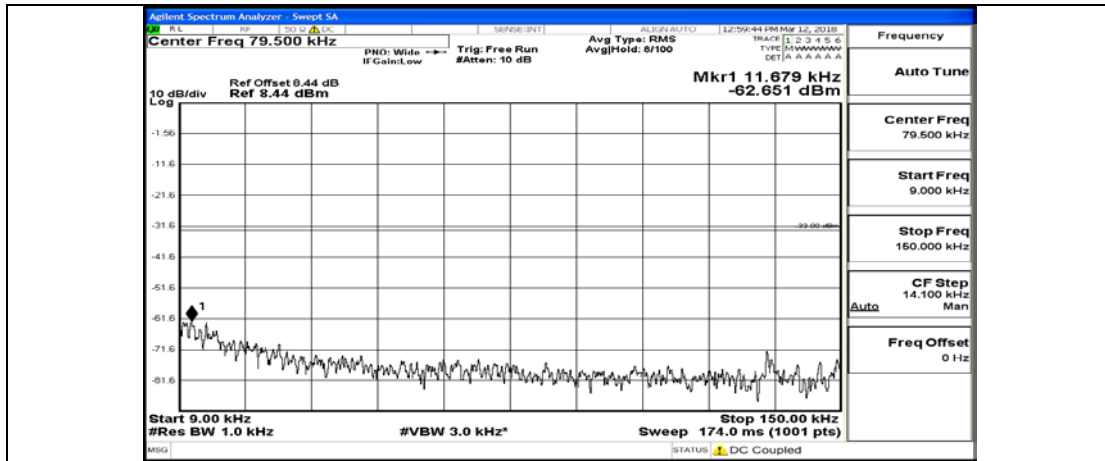Log   Ref 8.44 dBm

-1.56
-11.6
-21.6
-31.6   -33.00 dBm
-41.6
-51.6
-61.6 1
-71.6
-81.6

Start 9.00 kHz   Stop 150.00 kHz
#Res BW 1.0 kHz   #VBW 3.0 kHz*   Sweep 174.0 ms (1001 pts)
MSG   STATUS ⚠ 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

Screen 2:

Agilent Spectrum Analyzer - Swept SA

LXI R L   RF   50 Ω DC   SENSE:INT   ALIGN AUTO   12:56:17 PM Mar 12, 2018

Center Freq 15.075000 MHz   Avg Type: RMS   TRACE 1 2 3 4 5 6
                          PNO: Fast   Trig: Free Run   Avg|Hold: 8/100   TYPE M W W W W W
                          IF Gain:Low   #Atten: 10 dB   DET A A A A A A

                                                                   Mkr1 3.404 MHz
10 dB/div   Ref Offset 8.44 dB   **-66.028 dBm**
Log   Ref 8.44 dBm

-1.56
-11.6
-21.6   -29.00 dBm
-31.6
-41.6
-51.6
-61.6   1
-71.6
-81.6

Start 150 kHz   Stop 30.00 MHz
#Res BW 10 kHz   #VBW 30 kHz*   Sweep 368.3 ms (1001 pts)
MSG   STATUS ⚠ 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

Screen 3:

Agilent Spectrum Analyzer - Swept SA

LXI R L   RF   50 Ω AC   SENSE:INT   ALIGN AUTO   12:56:21 PM Mar 12, 2018

Center Freq 13.015000000 GHz   Avg Type: RMS   TRACE 1 2 3 4 5 6
                          PNO: Fast   Trig: Free Run   Avg|Hold: 4/100   TYPE M W W W W W
                          IF Gain:Low   #Atten: 40 dB   DET A A A A A A

                                                                   Mkr2 25.091 GHz
10 dB/div   Ref Offset 8.48 dB   **-29.607 dBm**
Log   Ref 30.00 dBm

20.0
10.0   1
0.00
-10.0   -13.00 dBm
-20.0
-30.0   2
-40.0
-50.0
-60.0

Start 30 MHz   Stop 26.00 GHz
#Res BW 1.0 MHz   #VBW 3.0 MHz*   Sweep 64.93 ms (1001 pts)
MSG   STATUS

Frequency
Auto Tune
Center Freq 13.015000000 GHz
Start Freq 30.000000 MHz
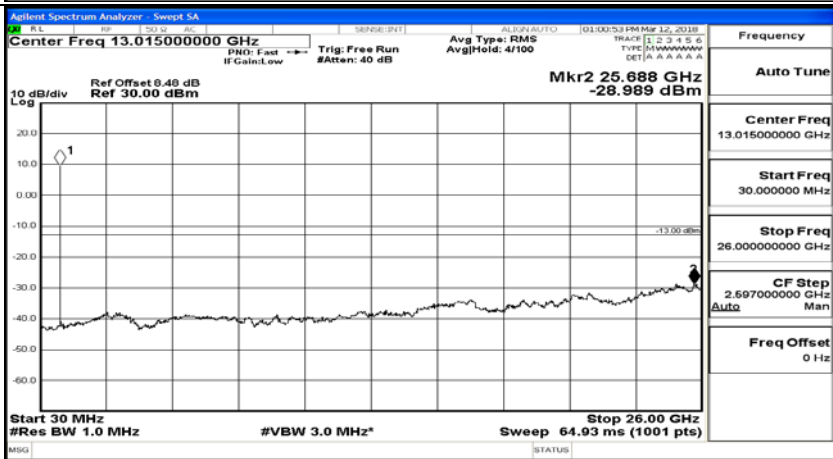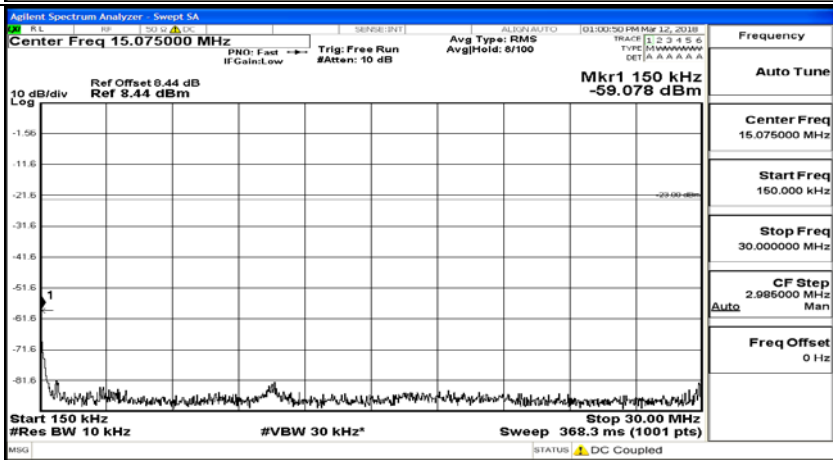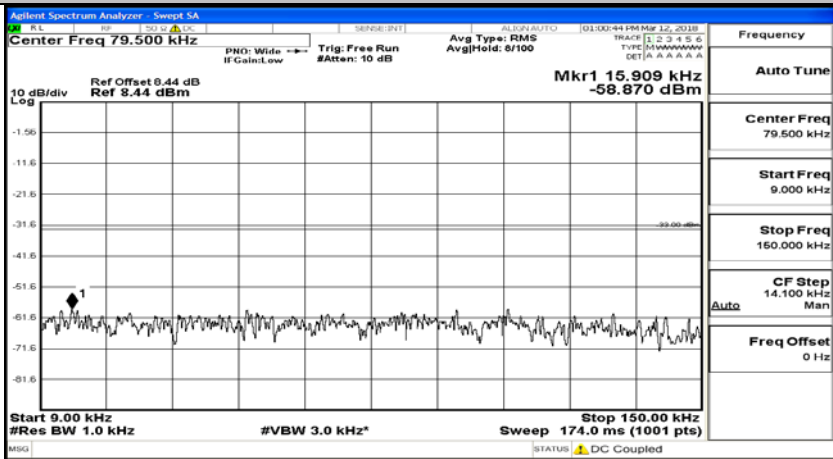Stop Freq 26.000000000 GHz
CF Step 2.697000000 GHz Auto | Man
Freq Offset 0 Hz

(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_MCH_16QAM_25RB#0

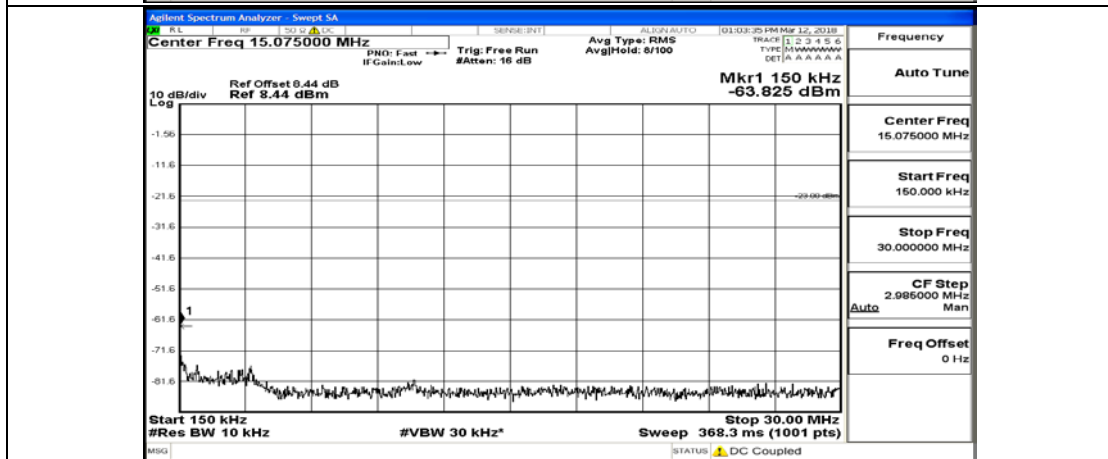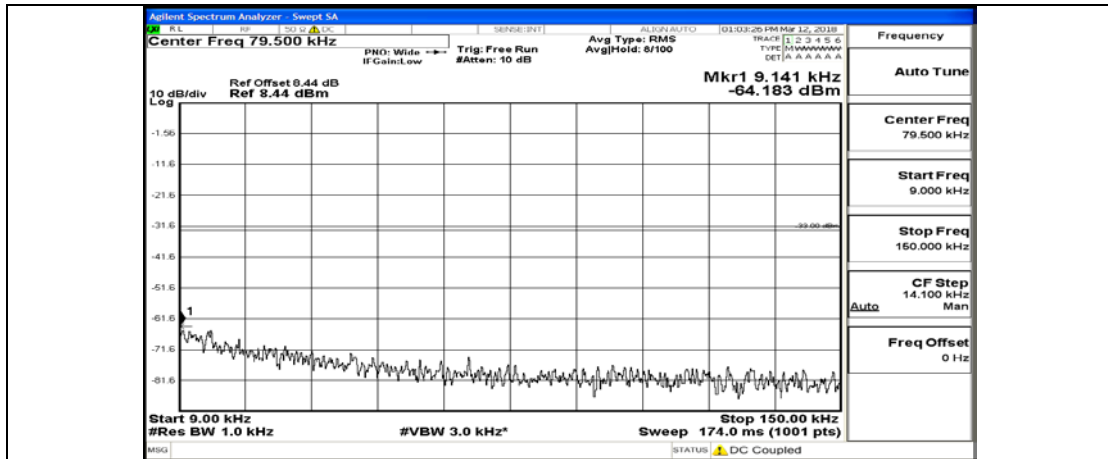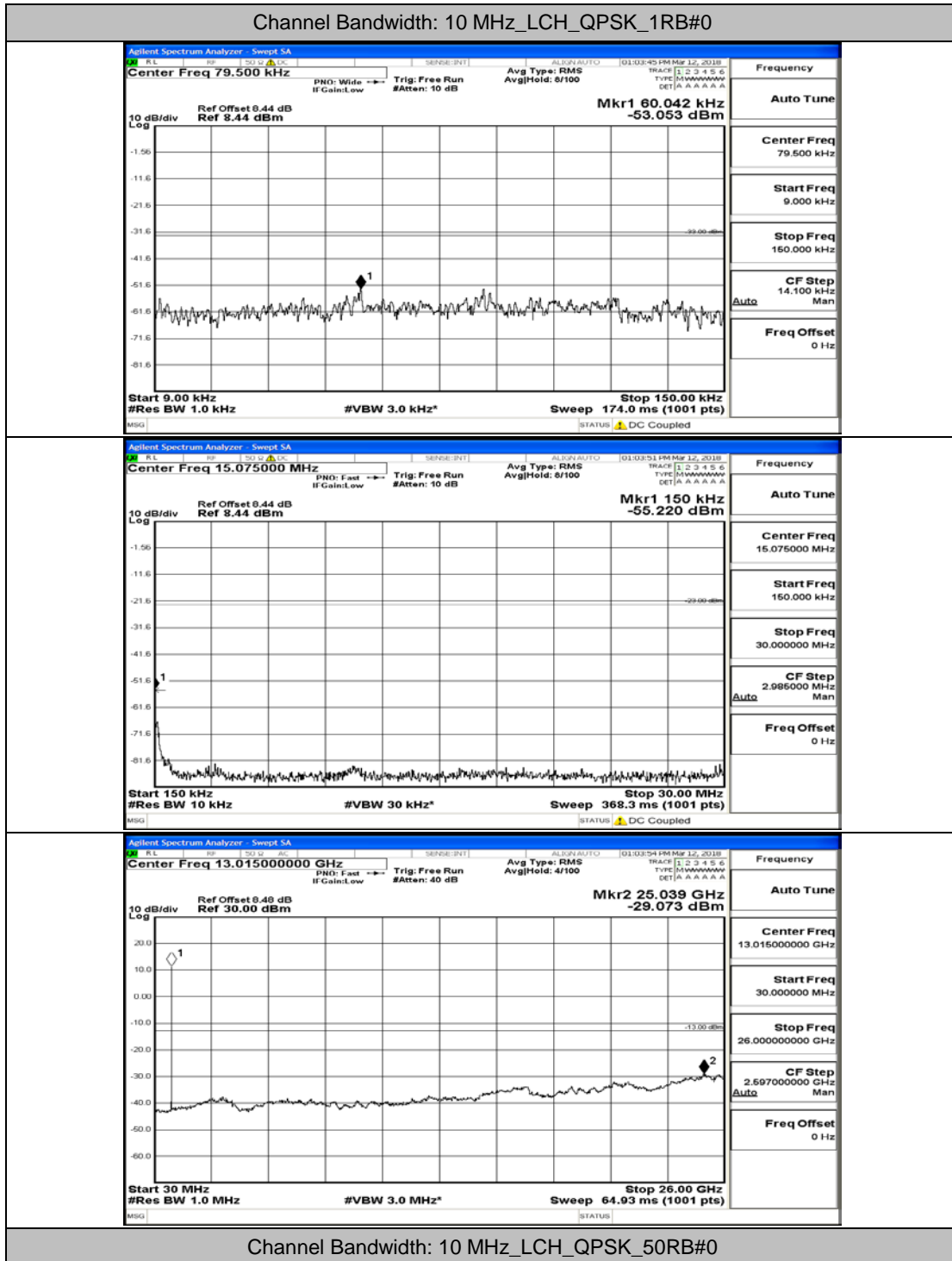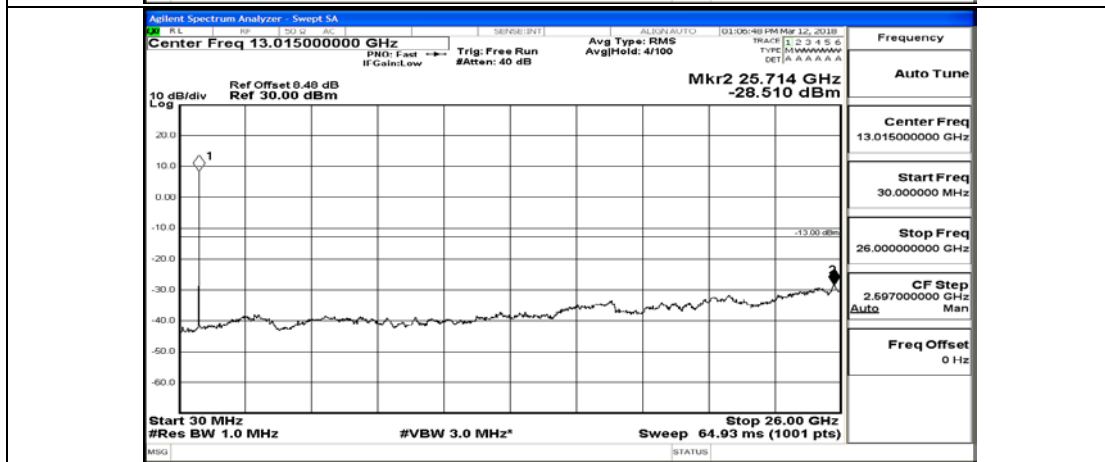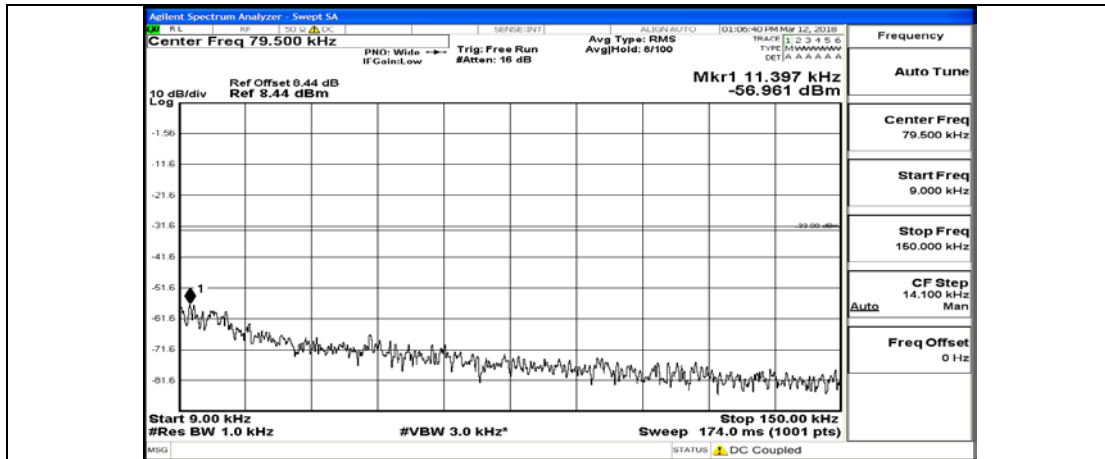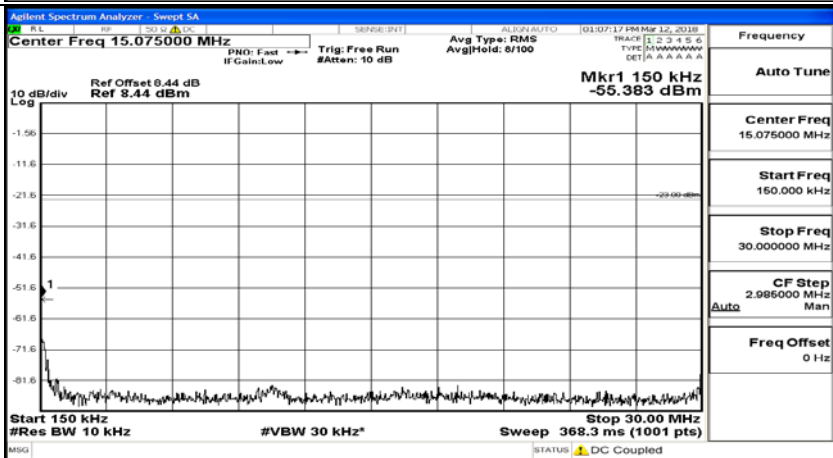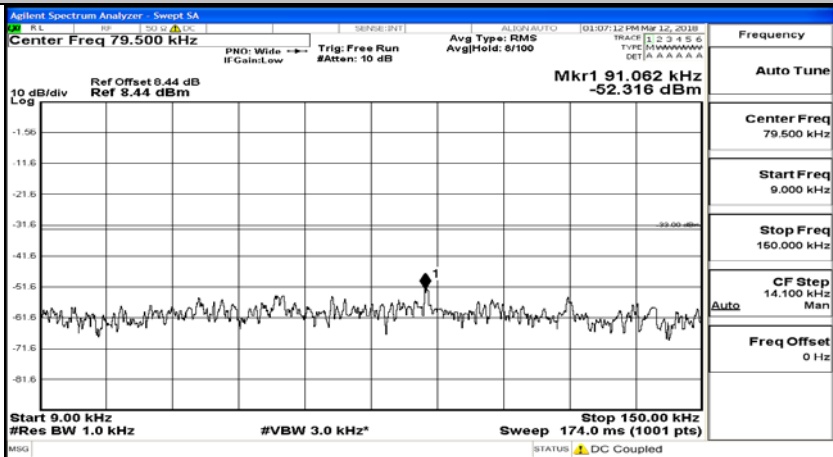| (Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0 |
|---|

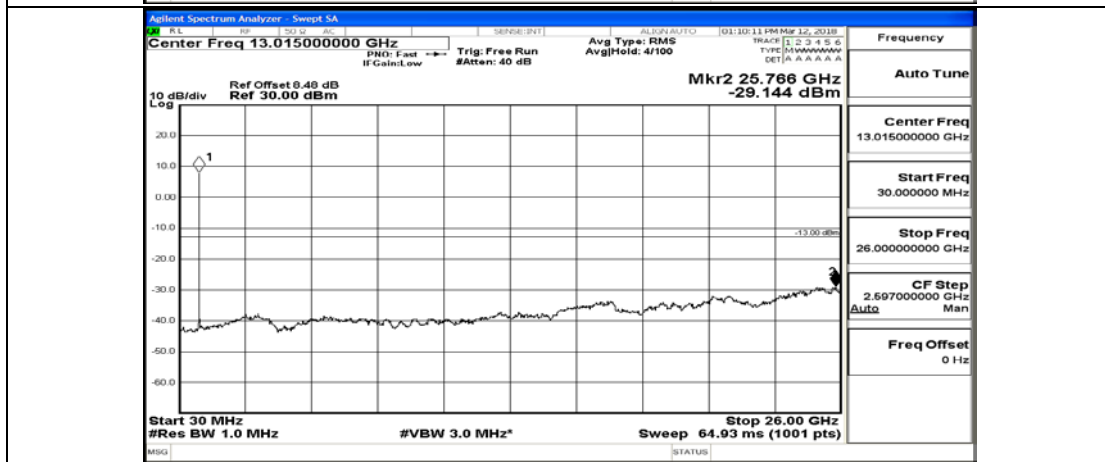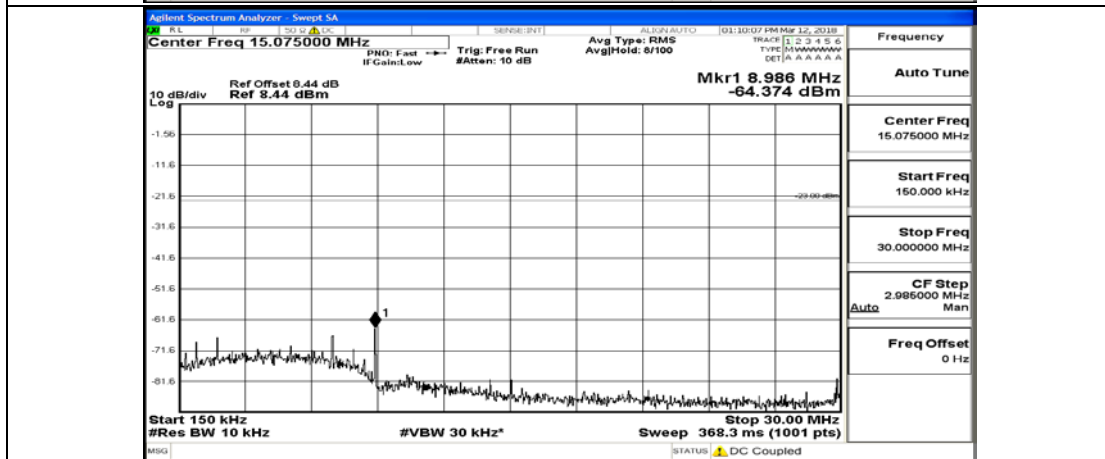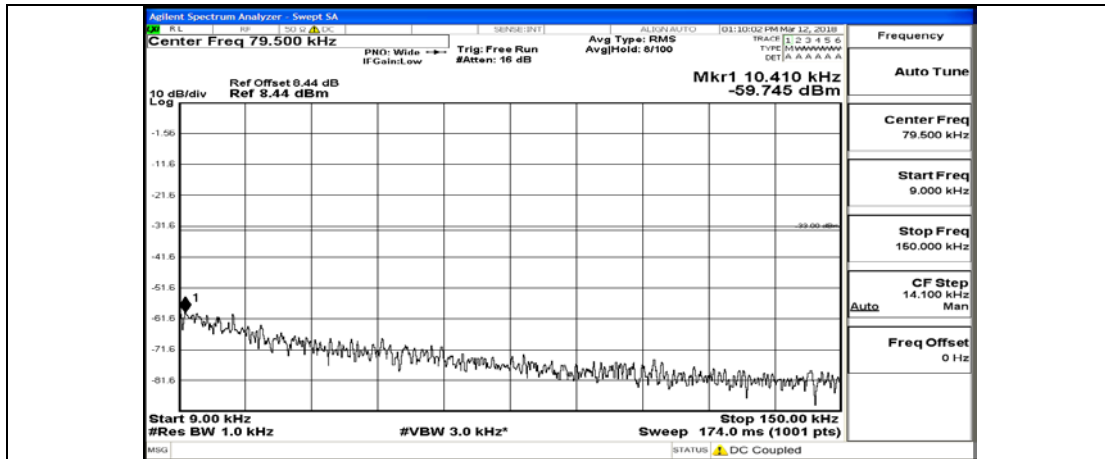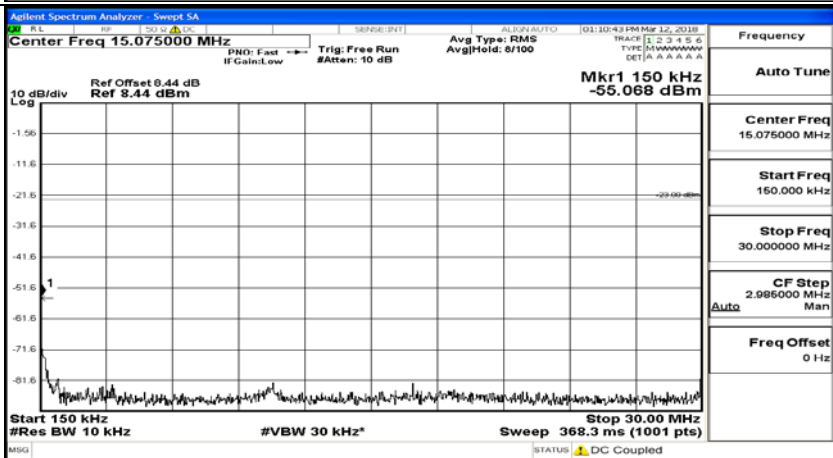| (Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0 |
|---|

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0

Screen 1 (Agilent Spectrum Analyzer - Swept SA)

| | | | SENSE:INT | ALIGN AUTO | 01:06:40 PM Mar 12, 2018 | TRACE 1 2 3 4 5 6 |
LXI R L | RF | 50 Ω DC | | | | TYPE M W W W W W
Center Freq 79.500 kHz | | | DET A A A A A

PNO: Wide | Trig: Free Run | Avg Type: RMS
IF Gain:Low | #Atten: 16 dB | Avg|Hold: 6/100

Mkr1 11.397 kHz
-56.961 dBm

10 dB/div Ref Offset 8.44 dB
Log   Ref 8.44 dBm

-1.56
-11.6
-21.6
-31.6   -33.00 dBm
-41.6
-51.6 ◆1
-61.6
-71.6
-81.6

Start 9.00 kHz   Stop 150.00 kHz
#Res BW 1.0 kHz   #VBW 3.0 kHz*   Sweep 174.0 ms (1001 pts)
MSG   STATUS ⚠ 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

Screen 2 (Agilent Spectrum Analyzer - Swept SA)

| | | | SENSE:INT | ALIGN AUTO | 01:06:45 PM Mar 12, 2018 | TRACE 1 2 3 4 5 6 |
LXI R L | RF | 50 Ω DC | | | | TYPE M W W W W W
Center Freq 15.075000 MHz | | | DET A A A A A

PNO: Fast | Trig: Free Run | Avg Type: RMS
IF Gain:Low | #Atten: 10 dB | Avg|Hold: 8/100

Mkr1 8.986 MHz
-64.255 dBm

10 dB/div Ref Offset 8.44 dB
Log   Ref 8.44 dBm

-1.56
-11.6
-21.6   -29.00 dBm
-31.6
-41.6
-51.6
-61.6   ◆1
-71.6
-81.6

Start 150 kHz   Stop 30.00 MHz
#Res BW 10 kHz   #VBW 30 kHz*   Sweep 368.3 ms (1001 pts)
MSG   STATUS ⚠ 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

Screen 3 (Agilent Spectrum Analyzer - Swept SA)

| | | | SENSE:INT | ALIGN AUTO | 01:06:48 PM Mar 12, 2018 | TRACE 1 2 3 4 5 6 |
LXI R L | RF | 50 Ω AC | | | | TYPE M W W W W W
Center Freq 13.015000000 GHz | | | DET A A A A A

PNO: Fast | Trig: Free Run | Avg Type: RMS
IF Gain:Low | #Atten: 40 dB | Avg|Hold: 4/100

Mkr2 25.714 GHz
-28.510 dBm

10 dB/div Ref Offset 8.48 dB
Log   Ref 30.00 dBm

20.0
10.0 ◇1
0.00
-10.0   -13.00 dBm
-20.0
-30.0   ◆2
-40.0
-50.0
-60.0

Start 30 MHz   Stop 26.00 GHz
#Res BW 1.0 MHz   #VBW 3.0 MHz*   Sweep 64.93 ms (1001 pts)
MSG   STATUS

Frequency
Auto Tune
Center Freq 13.015000000 GHz
Start Freq 30.000000 MHz
Stop Freq 26.000000000 GHz
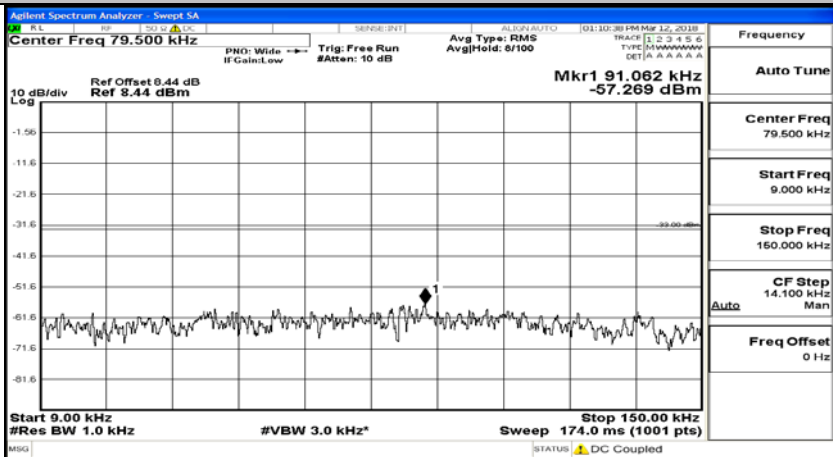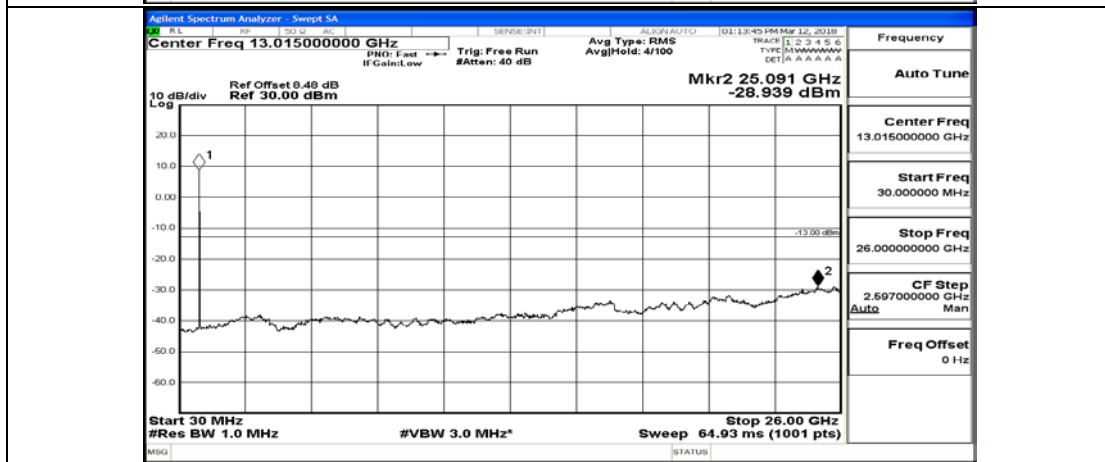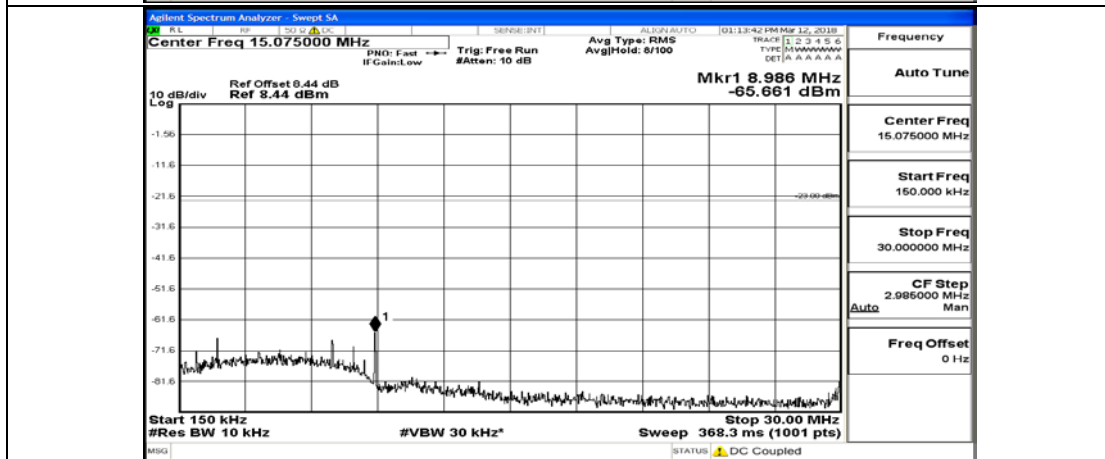CF Step 2.697000000 GHz Auto Man
Freq Offset 0 Hz

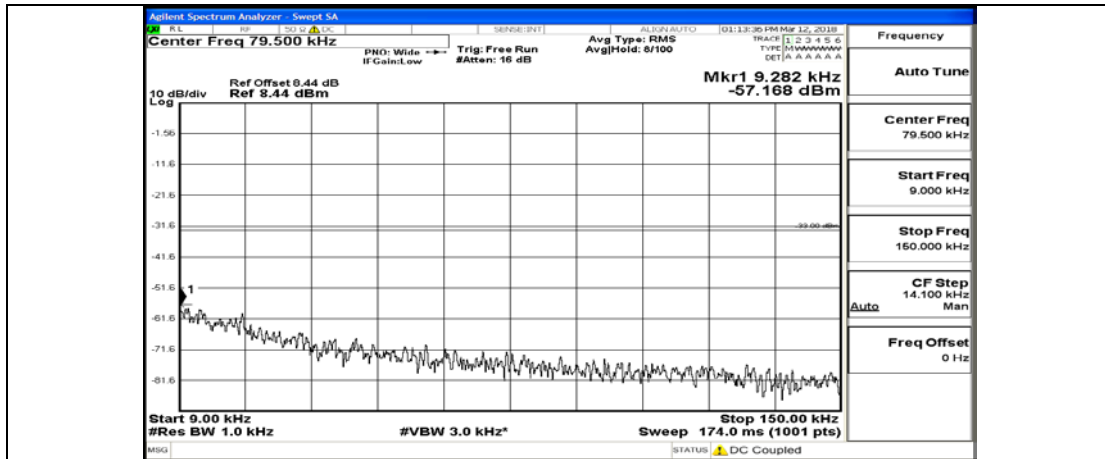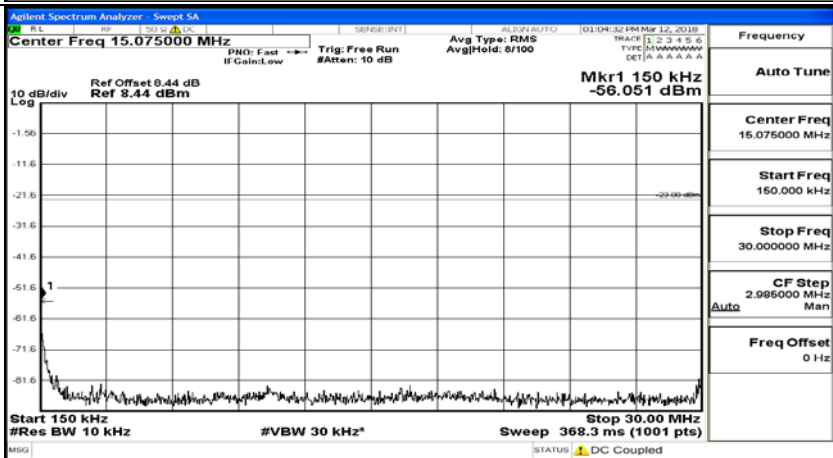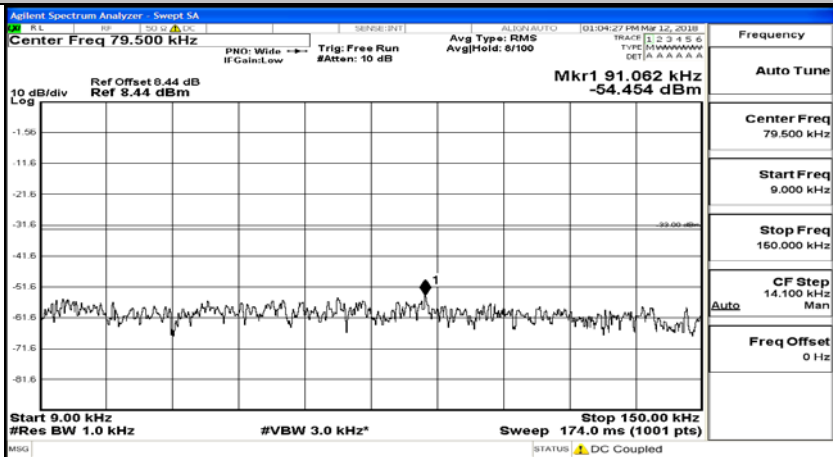| Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0 |
|---|

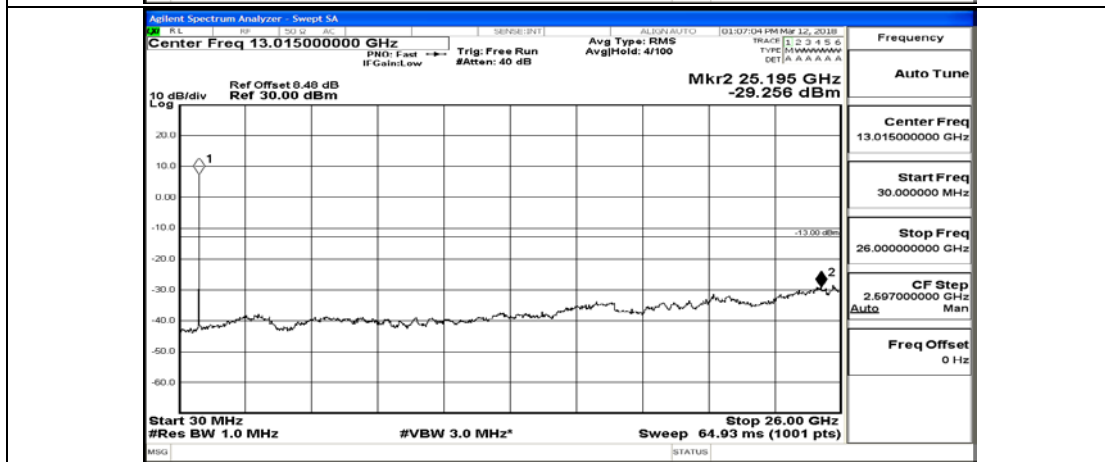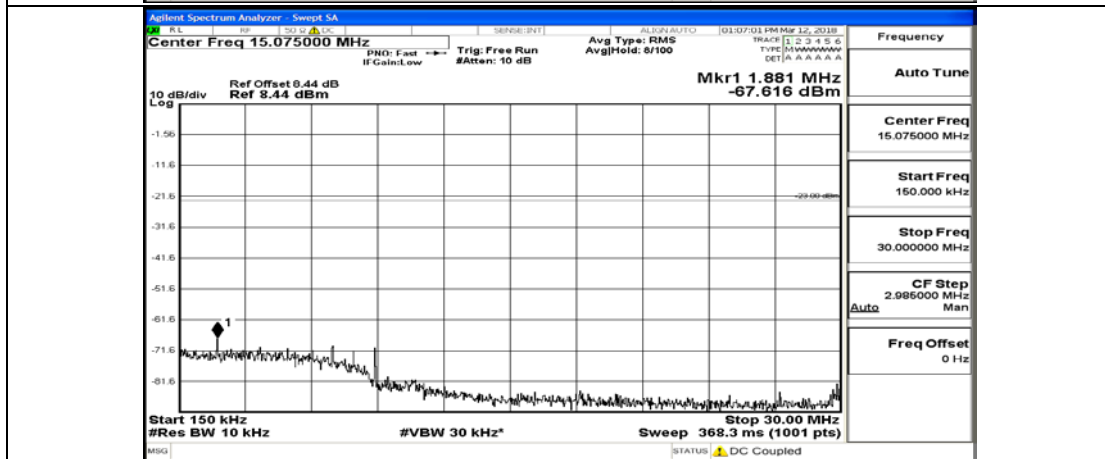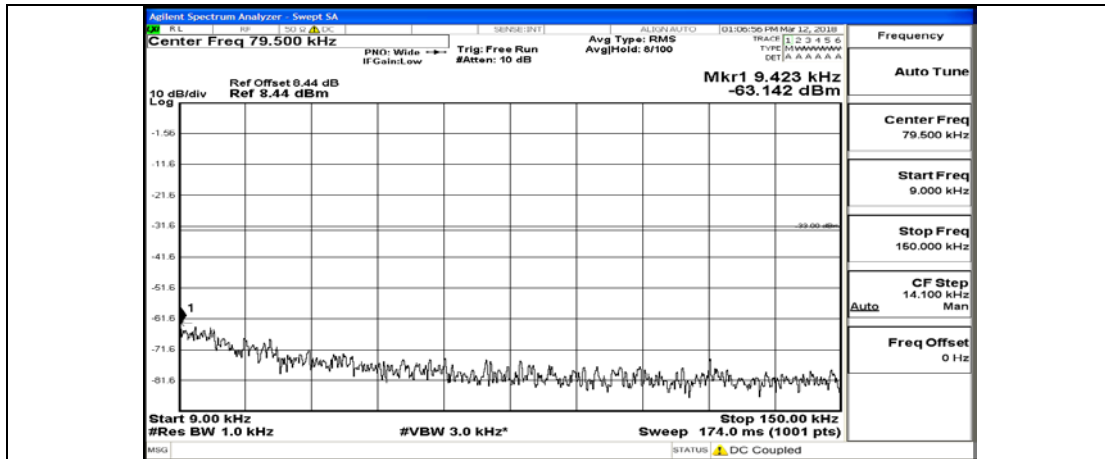| Channel Bandwidth: 10 MHz_MCH_QPSK_50RB#0 |
|---|

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0

Screenshot 1:

Agilent Spectrum Analyzer - Swept SA

LXI R L RF 50 Ω DC | SENSE:INT | ALIGN AUTO | 01:13:36 PM Mar 12, 2018

Center Freq 79.500 kHz

PNO: Wide → | Trig: Free Run | Avg Type: RMS | TRACE 1 2 3 4 5 6

IF Gain:Low | #Atten: 16 dB | Avg|Hold: 6/100 | TYPE M W W W W W | DET A A A A A

10 dB/div | Ref Offset 8.44 dB | Mkr1 9.282 kHz

Log | Ref 8.44 dBm | -57.168 dBm

-1.56

-11.6

-21.6

-31.6 .... -33.00 dBm

-41.6

-51.6 1

-61.6

-71.6

-81.6

Start 9.00 kHz | Stop 150.00 kHz

#Res BW 1.0 kHz | #VBW 3.0 kHz* | Sweep 174.0 ms (1001 pts)

MSG | STATUS ⚠ DC Coupled

Screenshot 2:

Agilent Spectrum Analyzer - Swept SA

LXI R L RF 50 Ω DC | SENSE:INT | ALIGN AUTO | 01:13:42 PM Mar 12, 2018

Center Freq 15.075000 MHz

PNO: Fast → | Trig: Free Run | Avg Type: RMS | TRACE 1 2 3 4 5 6

IF Gain:Low | #Atten: 10 dB | Avg|Hold: 8/100 | TYPE M W W W W W | DET A A A A A

10 dB/div | Ref Offset 8.44 dB | Mkr1 8.986 MHz

Log | Ref 8.44 dBm | -65.661 dBm

-1.56

-11.6

-21.6 .... -29.00 dBm

-31.6

-41.6

-51.6

-61.6 1

-71.6

-81.6

Start 150 kHz | Stop 30.00 MHz

#Res BW 10 kHz | #VBW 30 kHz* | Sweep 368.3 ms (1001 pts)

MSG | STATUS ⚠ DC Coupled

Screenshot 3:

Agilent Spectrum Analyzer - Swept SA

LXI R L RF 50 Ω AC | SENSE:INT | ALIGN AUTO | 01:13:45 PM Mar 12, 2018

Center Freq 13.015000000 GHz

PNO: Fast → | Trig: Free Run | Avg Type: RMS | TRACE 1 2 3 4 5 6

IF Gain:Low | #Atten: 40 dB | Avg|Hold: 4/100 | TYPE M W W W W W | DET A A A A A

10 dB/div | Ref Offset 8.48 dB | Mkr2 25.091 GHz

Log | Ref 30.00 dBm | -28.939 dBm

20.0

10.0 ◇1

0.00

-10.0 .... -13.00 dBm

-20.0

-30.0 ◆2

-40.0

-50.0

-60.0

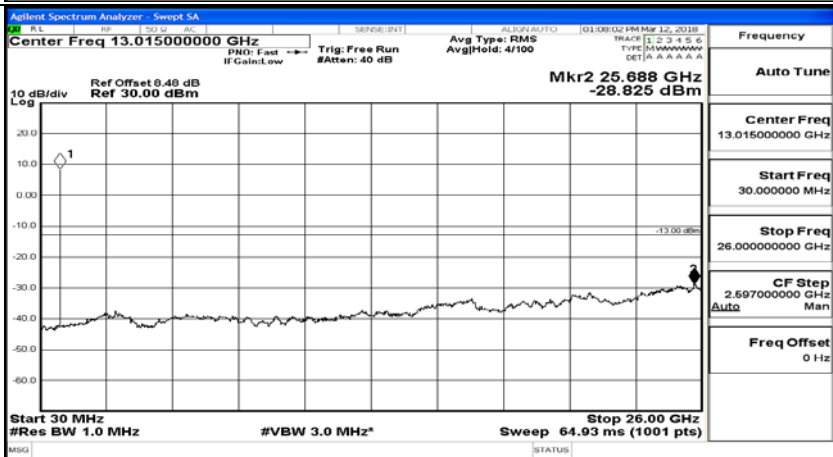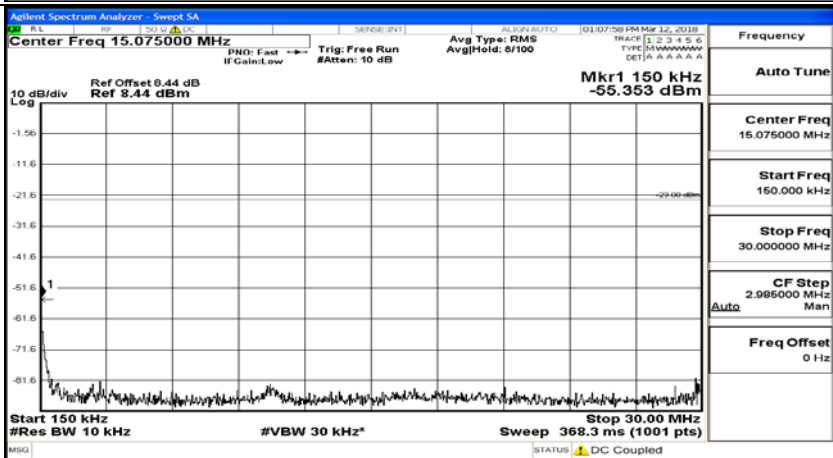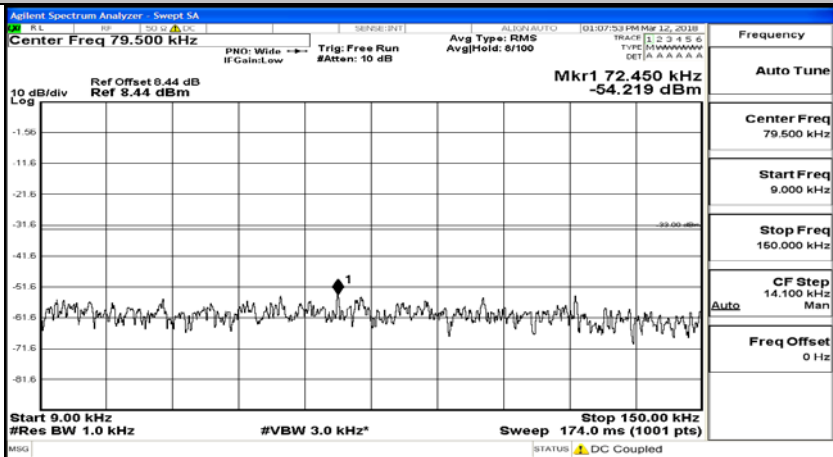Start 30 MHz | Stop 26.00 GHz

#Res BW 1.0 MHz | #VBW 3.0 MHz* | Sweep 64.93 ms (1001 pts)
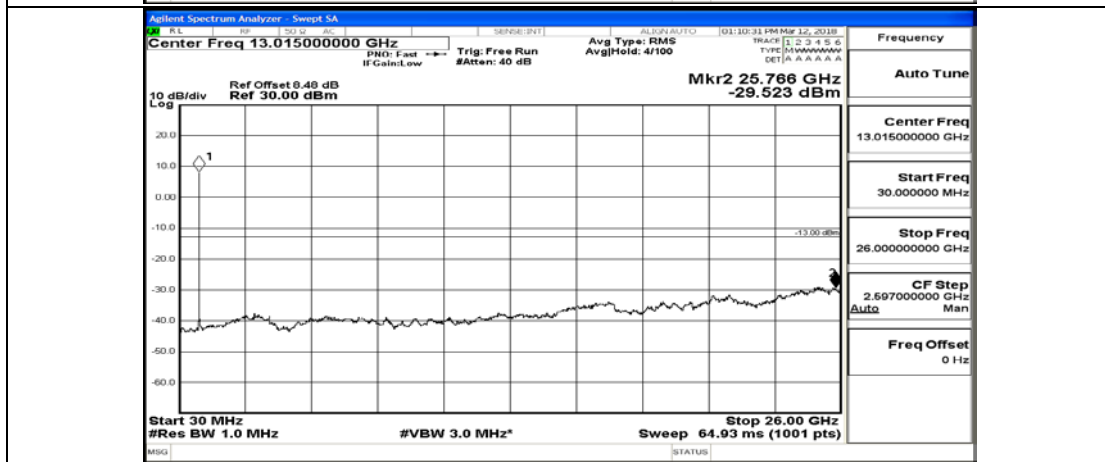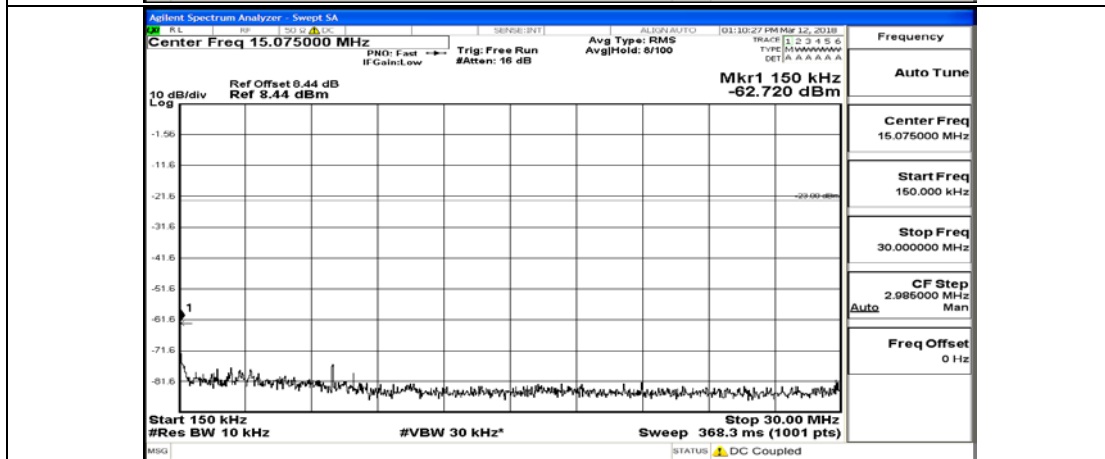
MSG | STATUS

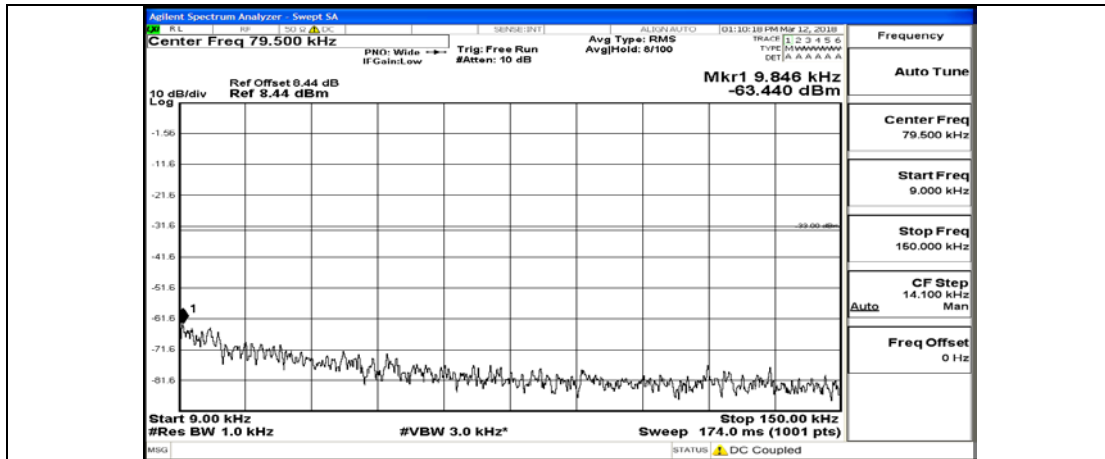| Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0 |
| --- |

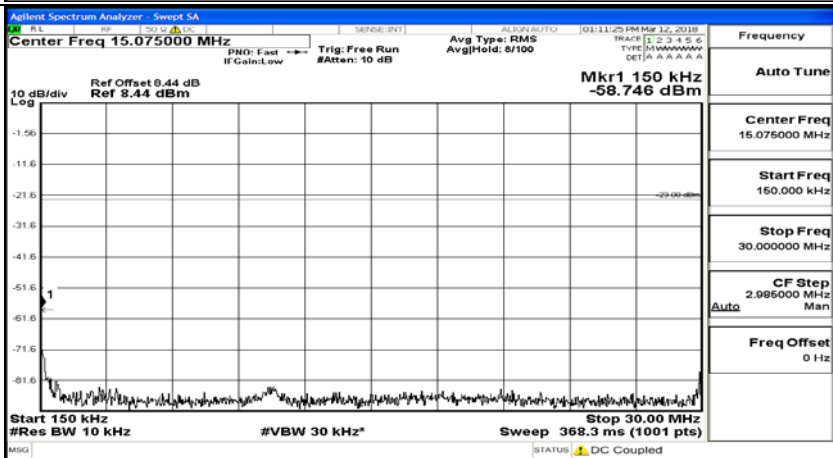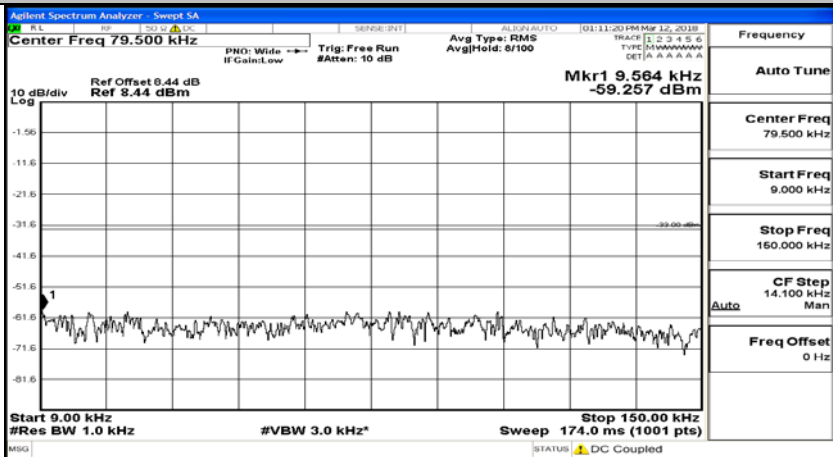| Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0 |
| --- |

Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0