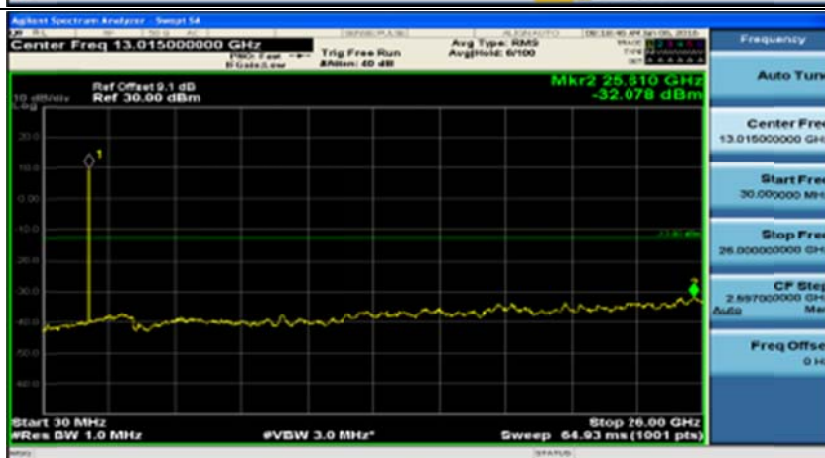
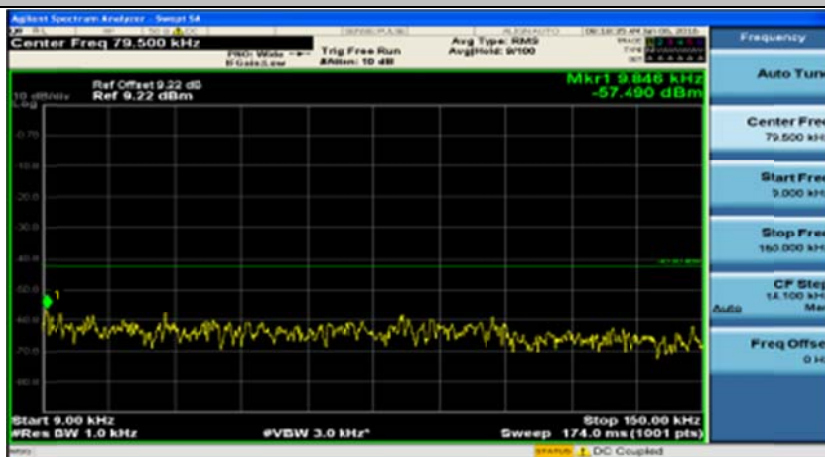
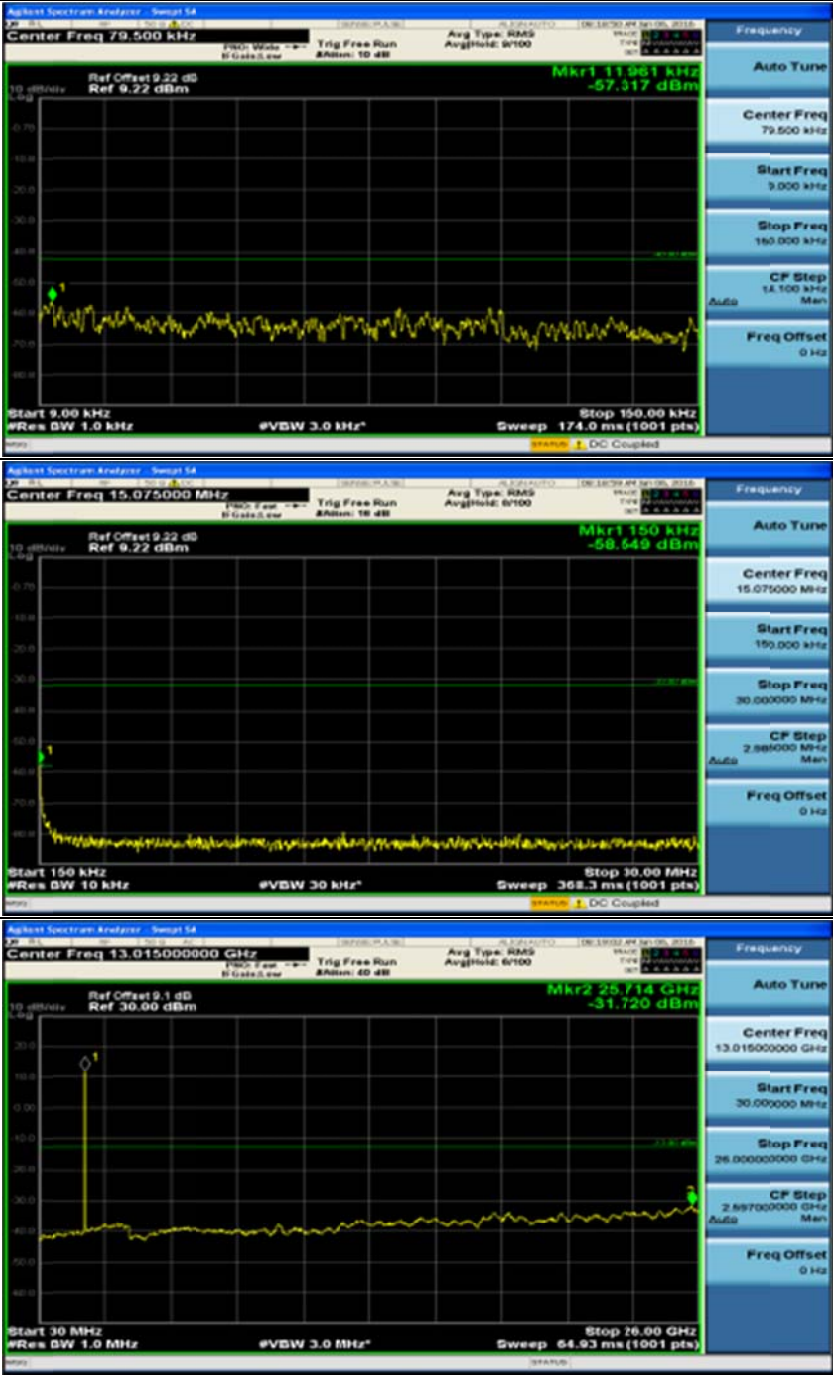


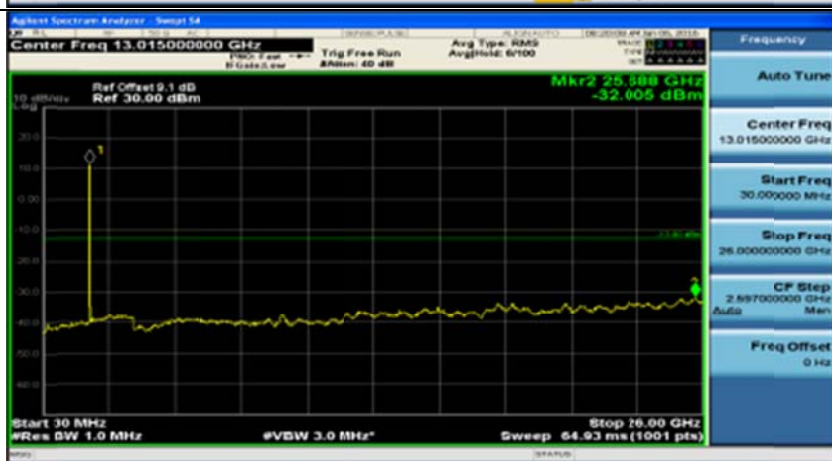
(Channel Bandwidth 5 MHz)_MCH_16QAM_1RB#12



(Channel Bandwidth 5 MHz)_MCH_16QAM_1RB#24



(Channel Bandwidth 5 MHz)_HCH_16QAM_1RB#0



Agilent Spectrum Analyzer - Setup 14

79.500 kHz 10.00 dBm

Center Freq 79.500 kHz

TRIG Mode: ☒ Video ☐ Noise ☐ W Gate: 5.00 ms

Trig Free Run

RBW: 10.00 kHz

Avg Type: RMS

ArgHold: 9/100

Frequency

Auto Tune

Center Freq 79.500 kHz

Start Freq 9.000 kHz

Stop Freq 150.000 kHz

CF Step 10.000 kHz

Audio Man

Freq Offset 0 Hz

10 dBm

Ref Offset: 9.22 dB

Ref 9.22 dBm

Mkr1 13.512 kHz -57.062 dBm

Start 9.00 kHz

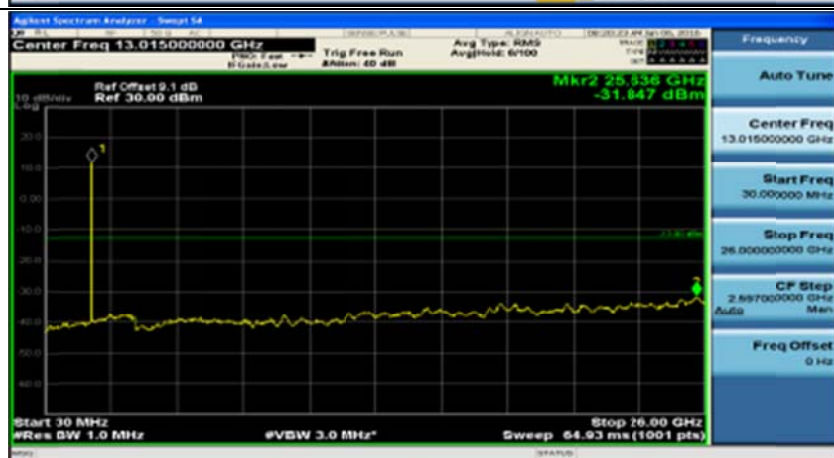
#Res BW 1.0 kHz

#VBW 3.0 MHz

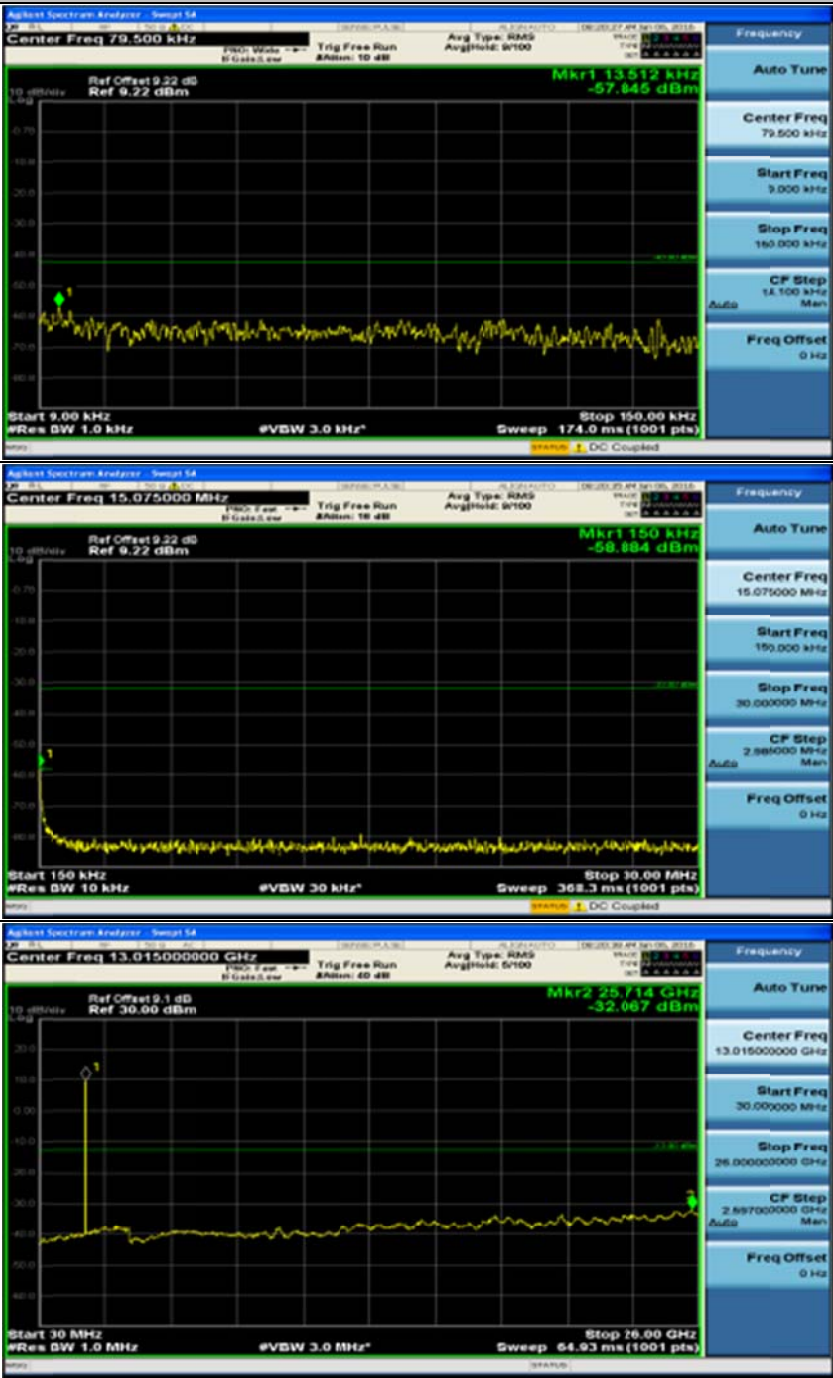
Stop 150.00 kHz

Sweep 174.0 ms (1001 pts)

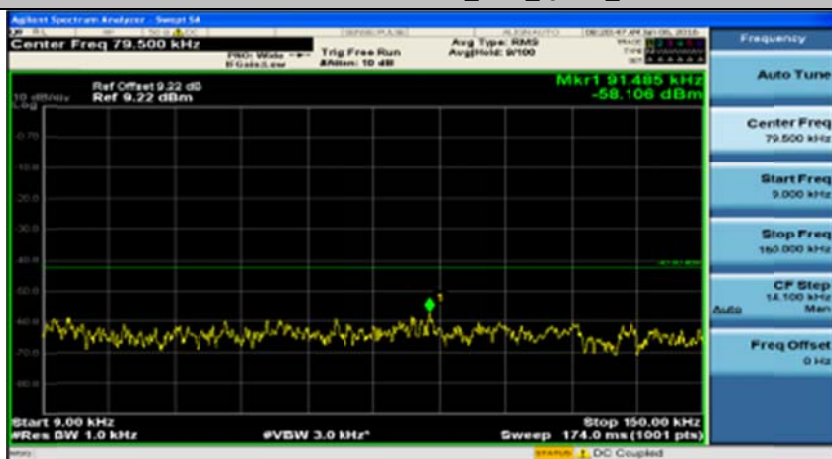
Shrink ☒ DC Coupled



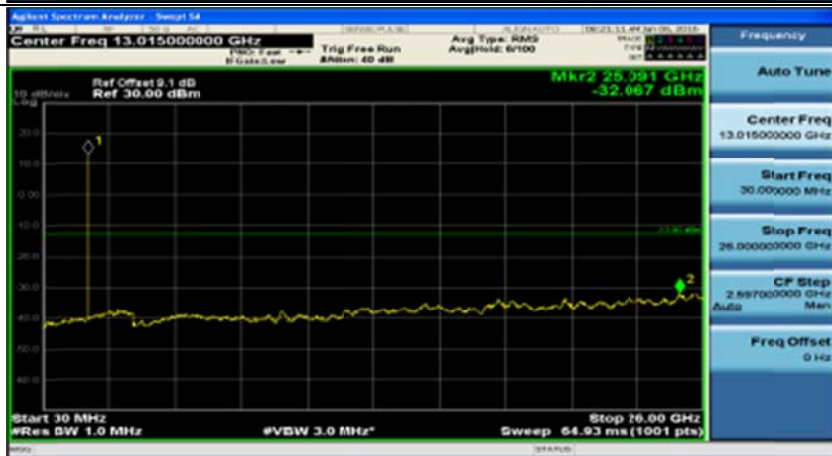
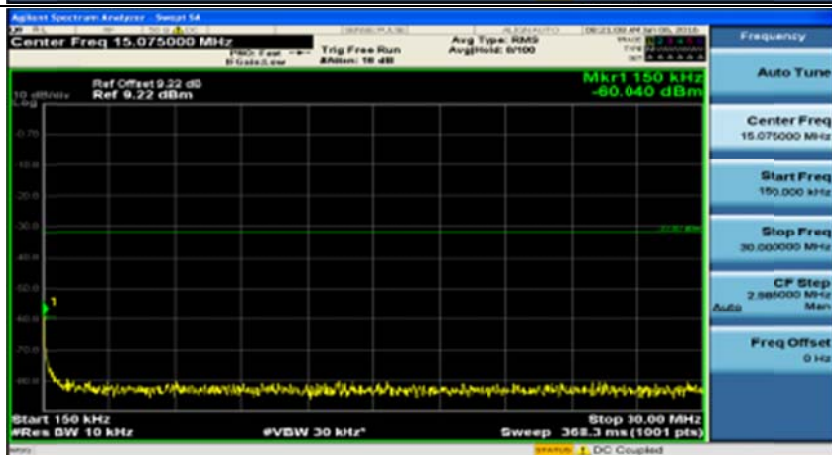
(Channel Bandwidth 5 MHz)_HCH_16QAM_1RB#24



Channel Bandwidth 10 MHz_LCH_QPSK_1RB#0



Channel Bandwidth 10 MHz_LCH_QPSK_1RB#24



Channel Bandwidth 10 MHz_LCH_QPSK_1RB#49



Agilent Spectrum Analyzer - Sweep 54

Center Freq 79.500 kHz

Ref Offset 9.22 dB
Ref 9.22 dBm

Mkr1 91.062 kHz
-58.147 dBm

Start 9.00 kHz
#Res 0W 1.0 kHz

Stop 150.00 kHz
Sweep 174.0 ms (1001 pts)

#VDW 3.0 kHz*

Auto Tune

Center Freq 79.500 kHz

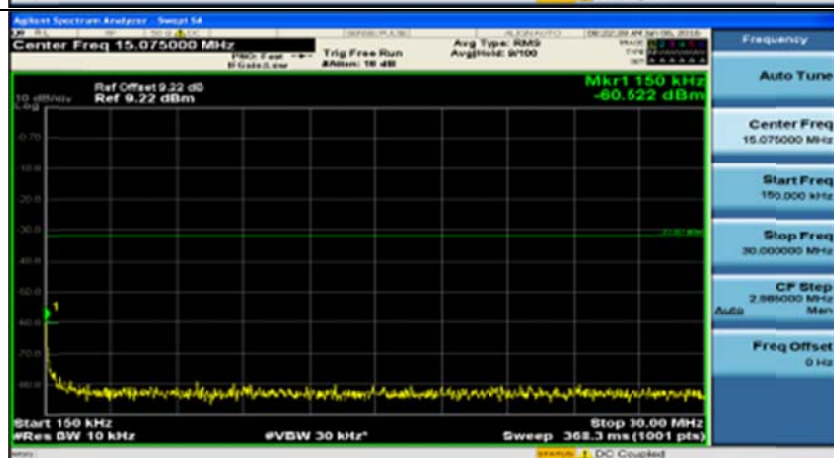
Start Freq 9.000 kHz

Stop Freq 150.000 kHz

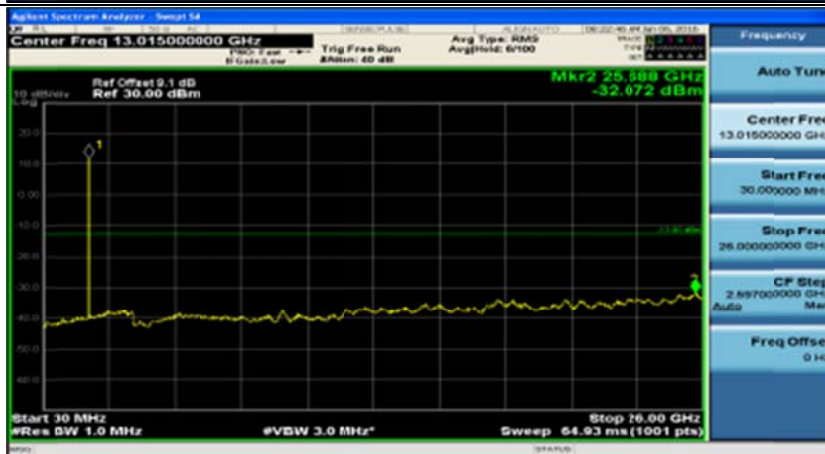
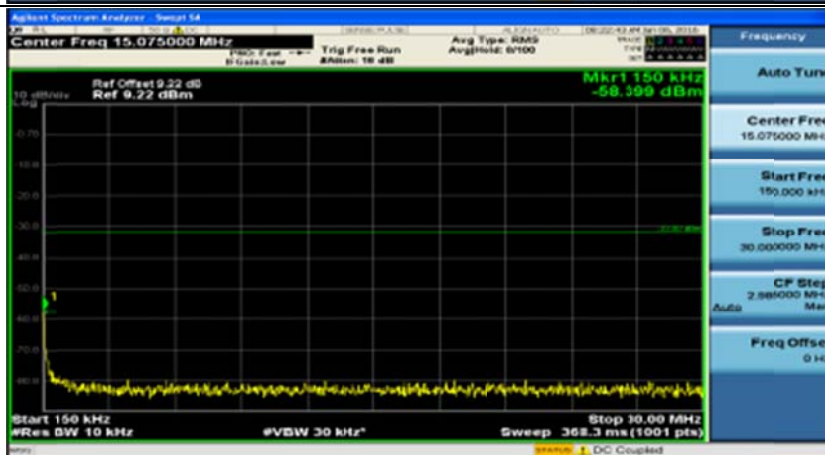
CF Step 10.100 kHz
Auto Man

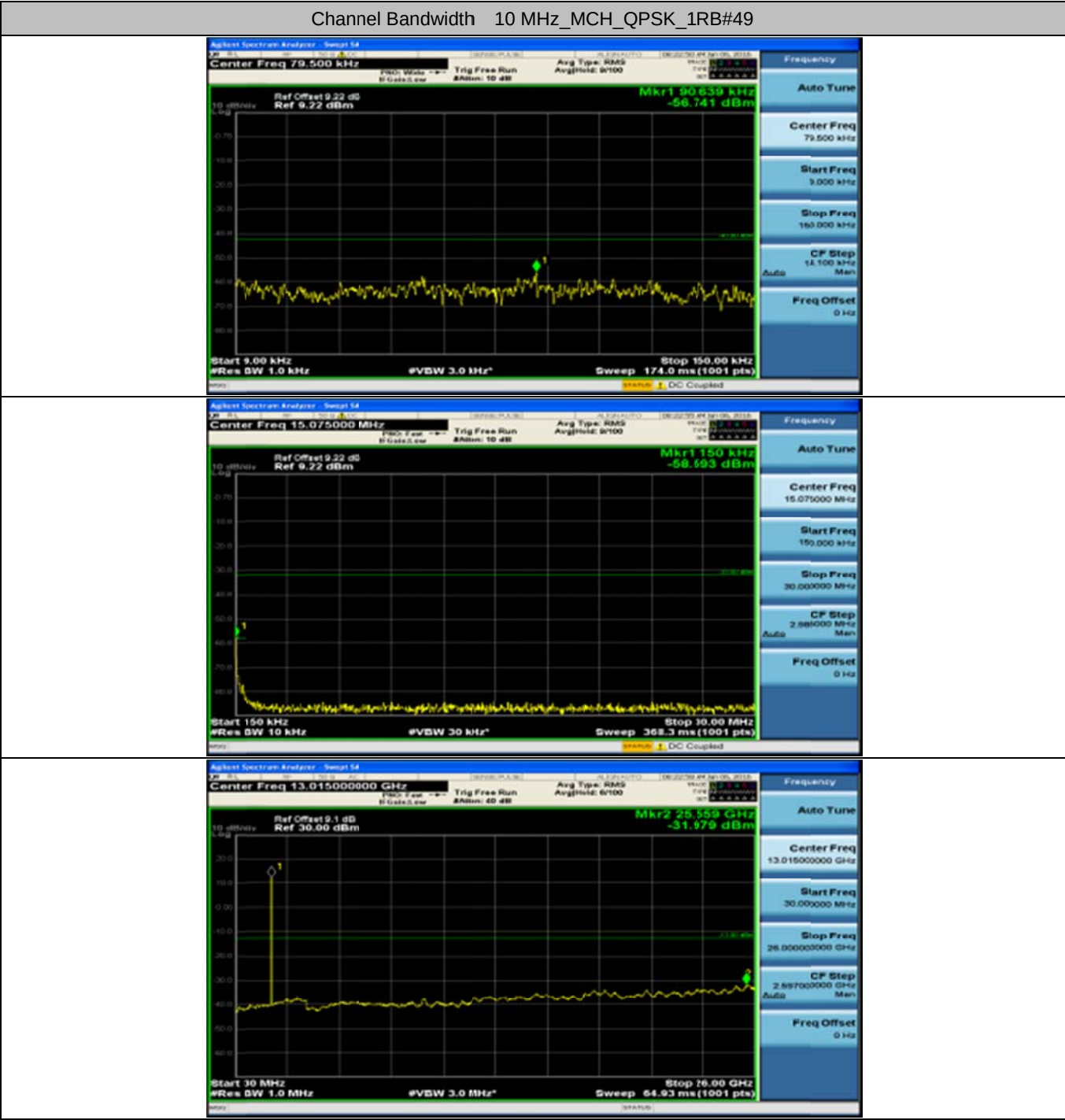
Freq Offset 0 Hz

DC Coupled

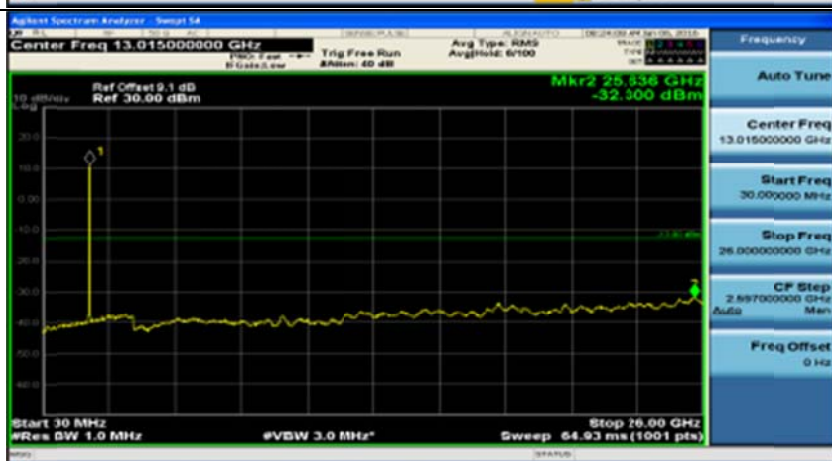
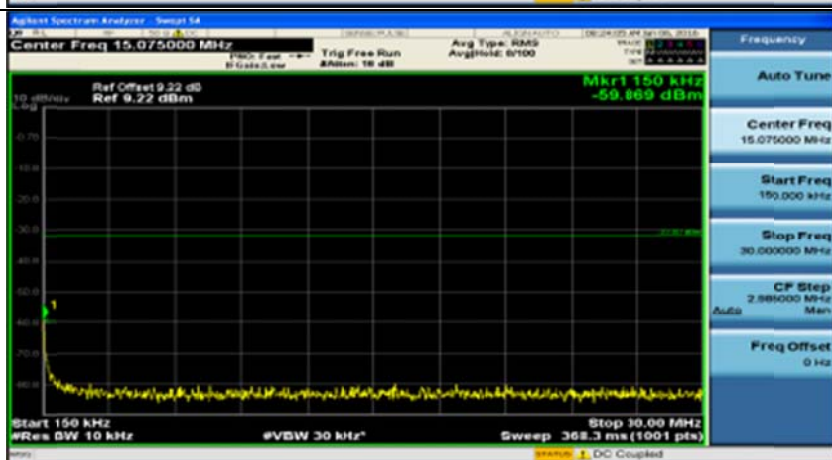


Channel Bandwidth 10 MHz_MCH_QPSK_1RB#24



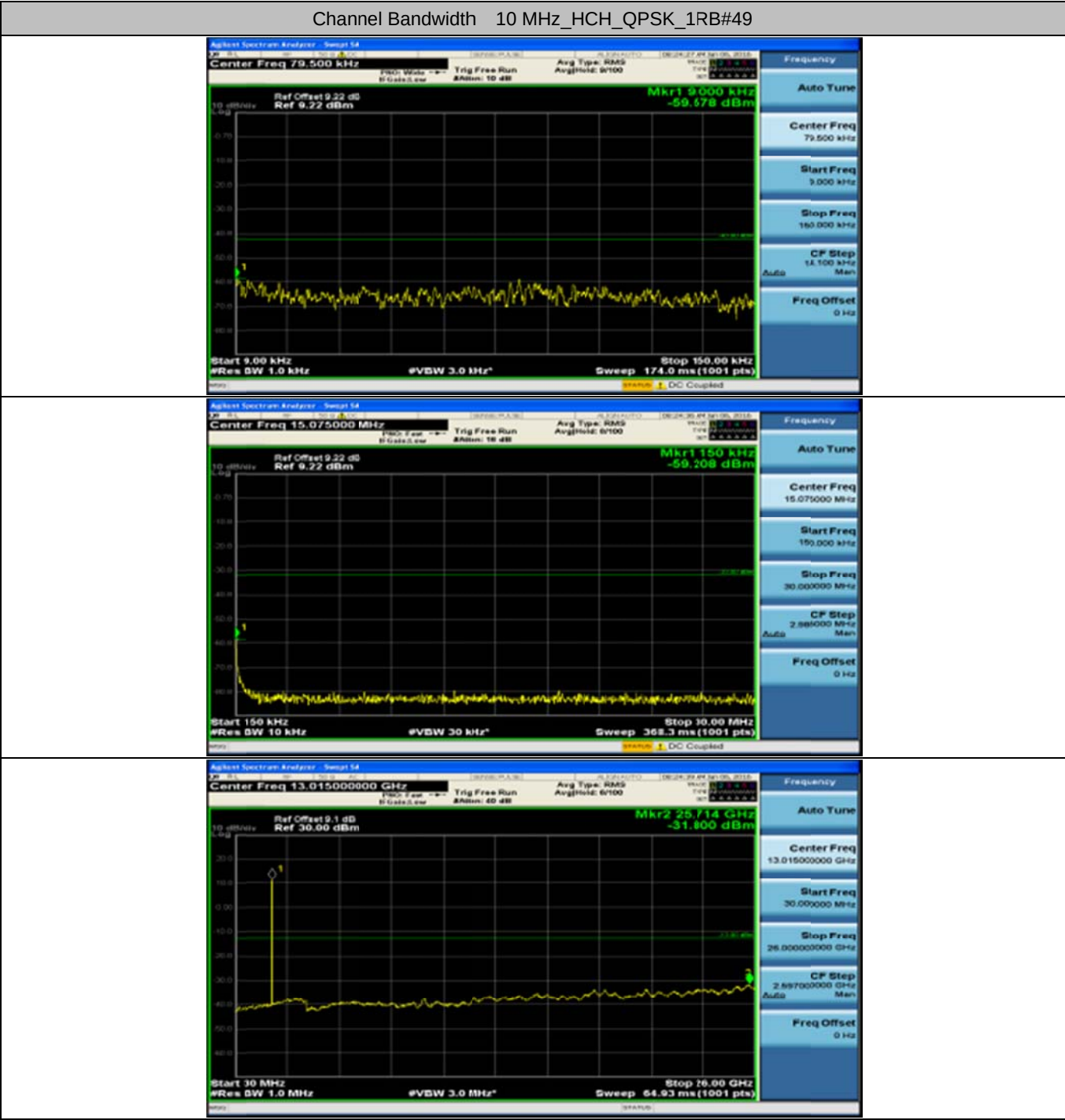


Channel Bandwidth 10 MHz_HCH_QPSK_1RB#0

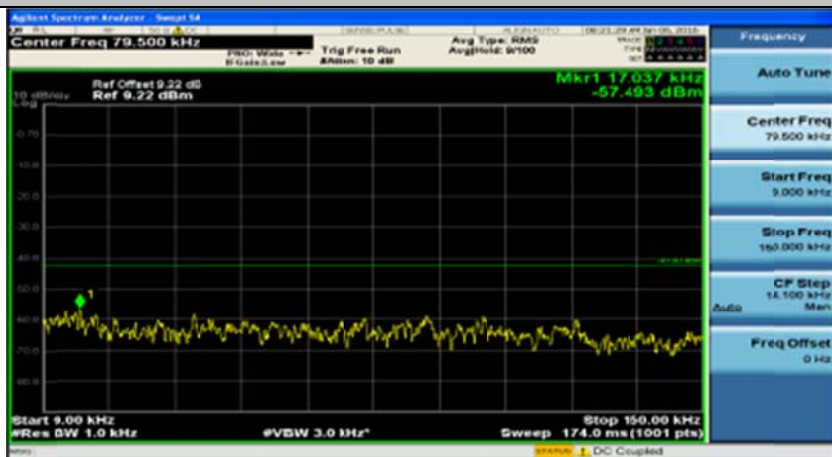


Channel Bandwidth 10 MHz_HCH_QPSK_1RB#24

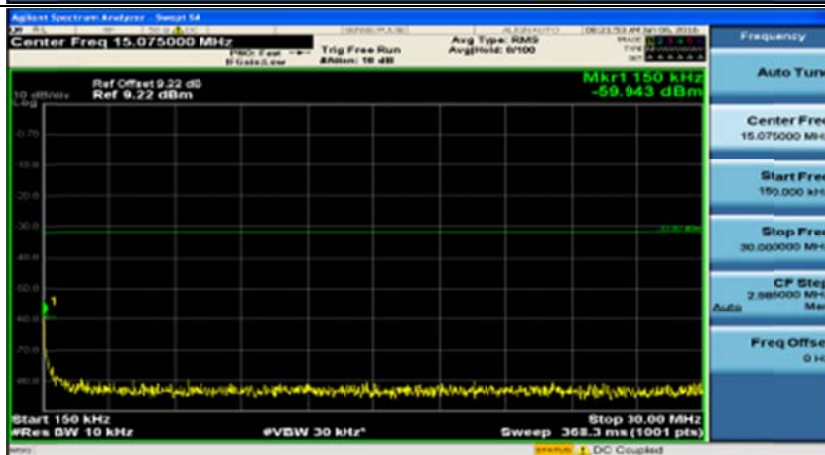
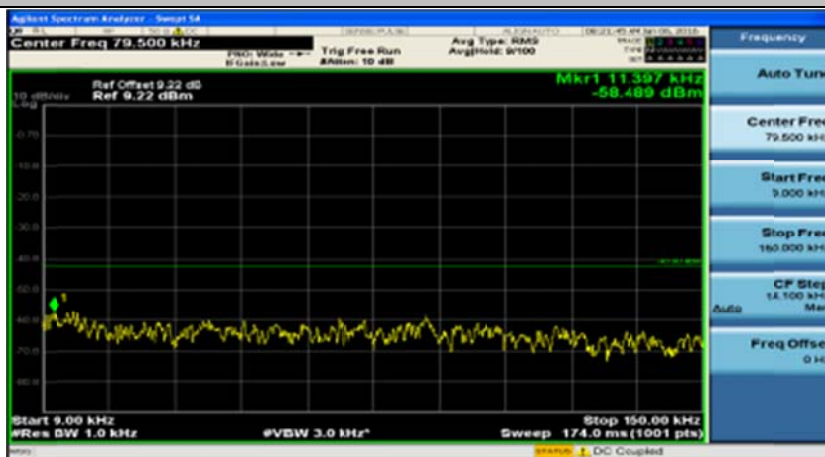




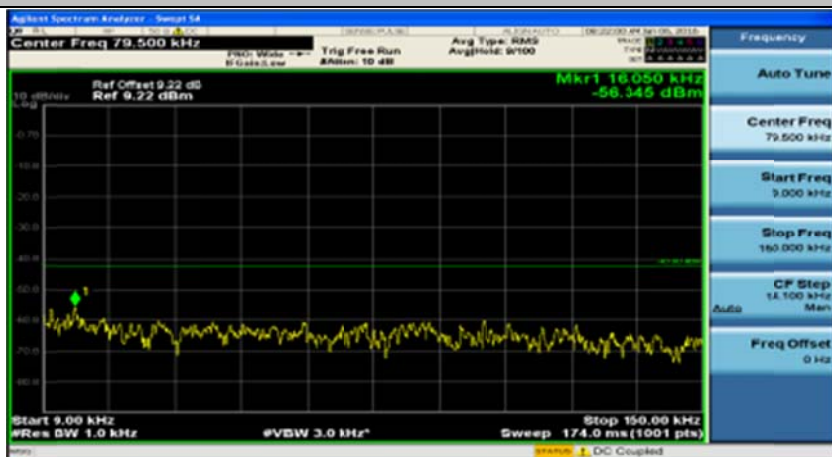
Channel Bandwidth 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth 10 MHz_LCH_16QAM_1RB#24



Channel Bandwidth 10 MHz_LCH_16QAM_1RB#49



Agilent Spectrum Analyzer - Sweet 54

12.000 MHz 100.00 dBm

Center Freq 79.500 kHz

Span Mode: Δ 5.000 dB

Trig Free Run

Span: 10.0 dB

Avg Type: RMS

Avg Noise: 9700

11.115 kHz

58.969 dBm

Ref Offset 9.22 dB

Ref 9.22 dBm

Start 9.00 kHz

#Res BW 1.0 kHz

#VBW 3.0 kHz

Stop 150.00 kHz

Sweep 174.0 ms (1001 pts)

Frequency

Auto Tune

Center Freq 79.500 kHz

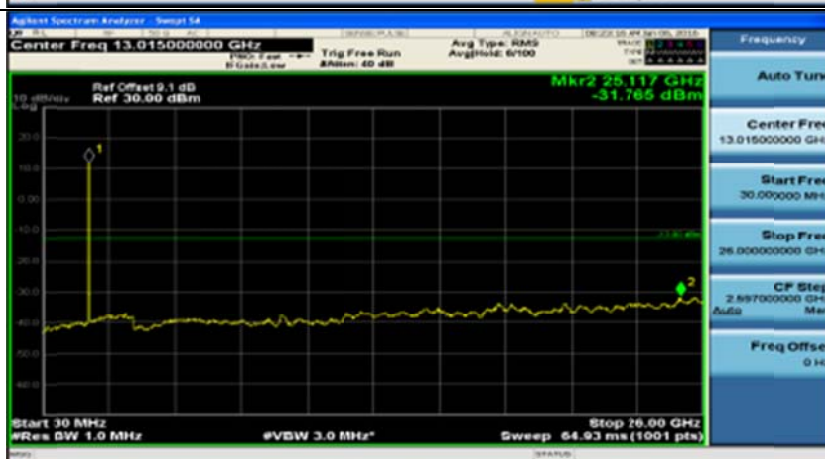
Start Freq 9.000 kHz

Stop Freq 150.000 kHz

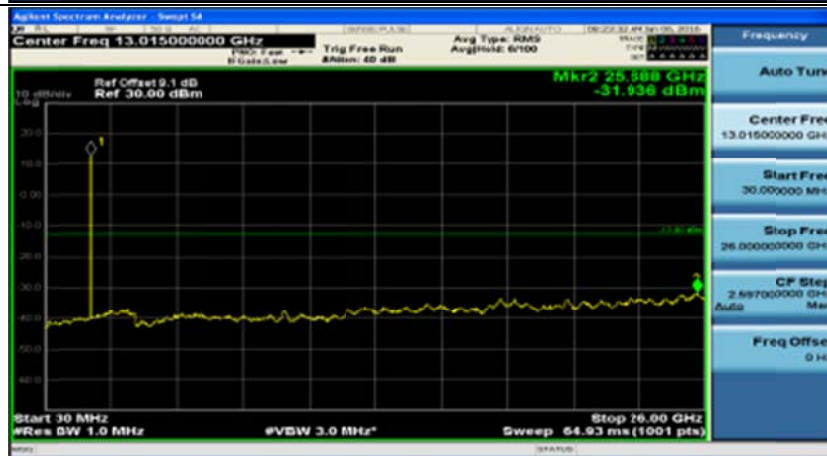
CF Step 11.100 kHz

Auto

Freq Offset 0.140 kHz



Channel Bandwidth 10 MHz_MCH_16QAM_1RB#24



Channel Bandwidth 10 MHz_MCH_16QAM_1RB#49

The figure consists of three vertically stacked screenshots of a Spectrum Analyzer interface, likely from a Keysight instrument. Each screenshot displays a frequency spectrum plot with a yellow trace and various control parameters.

Top Screenshot:

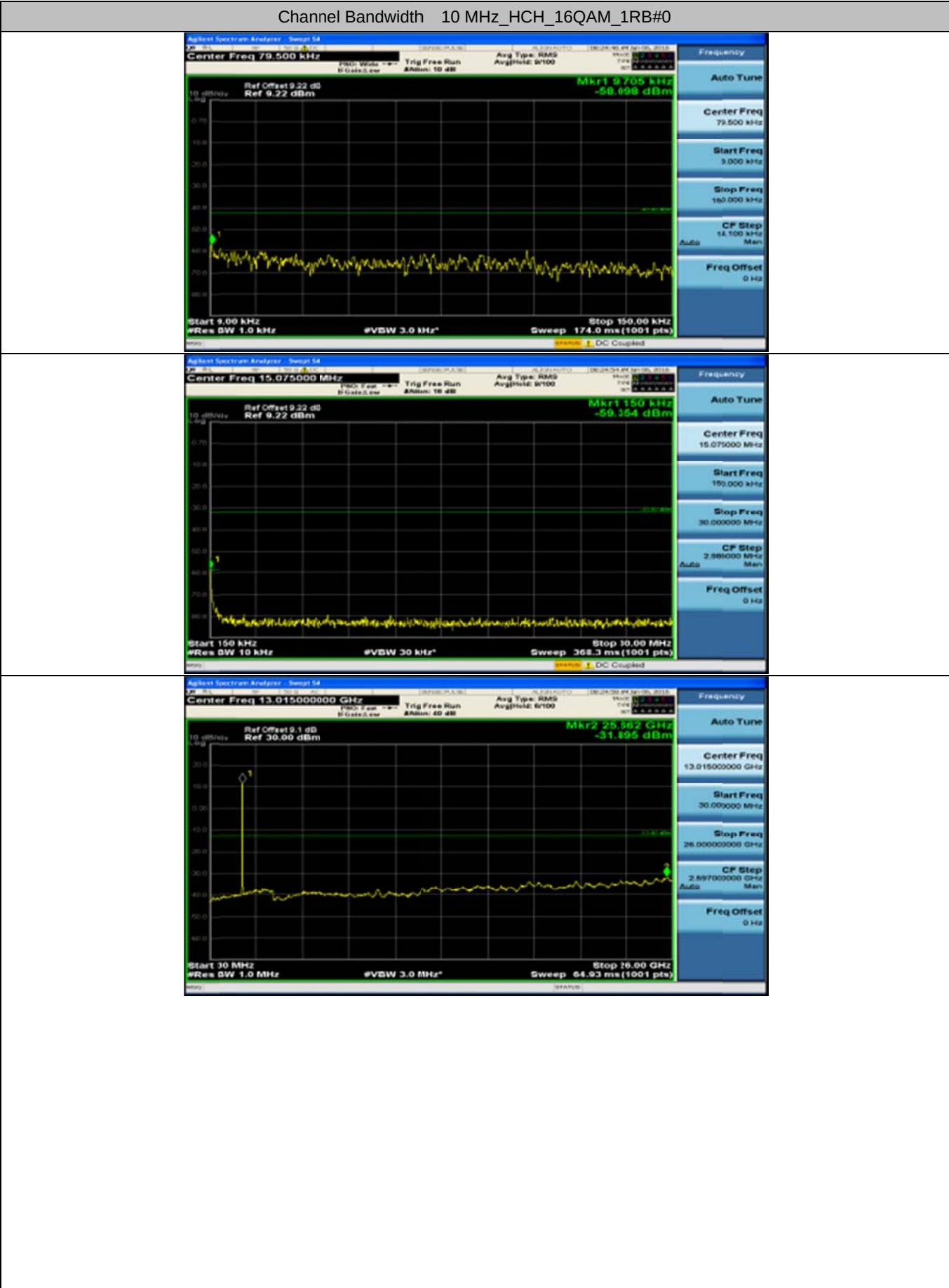
- Center Freq:** 79.500 kHz
- Ref Offset:** 9.22 dB, **Ref:** 9.22 dBm
- Mkr1:** 15.909 kHz, **-56.297 dBm**
- Start Freq:** 9.00 kHz, **Stop:** 150.00 kHz
- Res BW:** 1.0 kHz, **#VBW:** 3.0 kHz
- Sweep:** 174.0 ms (1001 pts)
- Trig:** Free Run, **Auto Tune:** On

Middle Screenshot:

- Center Freq:** 15.075000 MHz
- Ref Offset:** 9.22 dB, **Ref:** 9.22 dBm
- Mkr1:** 150 kHz, **-58.161 dBm**
- Start Freq:** 150 kHz, **Stop:** 10.00 MHz
- Res BW:** 10 kHz, **#VBW:** 30 kHz
- Sweep:** 368.3 ms (1001 pts)
- Trig:** Free Run, **Auto Tune:** On

Bottom Screenshot:

- Center Freq:** 13.01500000 GHz
- Ref Offset:** 9.1 dB, **Ref:** 30.00 dBm
- Mkr2:** 25.988 GHz, **-31.978 dBm**
- Start Freq:** 30 MHz, **Stop:** 16.00 GHz
- Res BW:** 1.0 MHz, **#VBW:** 3.0 MHz
- Sweep:** 64.93 ms (1001 pts)
- Trig:** Free Run, **Auto Tune:** On



Agilent Spectrum Analyzer - Setup 14

157050.0 Hz

Center Freq 79.500 kHz

Trig Free Run

Avg Type: RMS

ArgHold: 8/100

Frequency

Auto Tune

Center Freq 79.500 kHz

Start Freq 9.000 kHz

Stop Freq 150.000 kHz

CF Step 12.100 kHz

Frequency Offset 0 Hz

Ref Offset 9.22 dB

Ref 9.22 dBm

Mkr1 12.102 kHz -57.108 dBm

Start 9.00 kHz

#Res BW 1.0 kHz

#VSW 3.0 kHz

Stop 150.00 kHz

Sweep 174.0 ms (1001 pts)

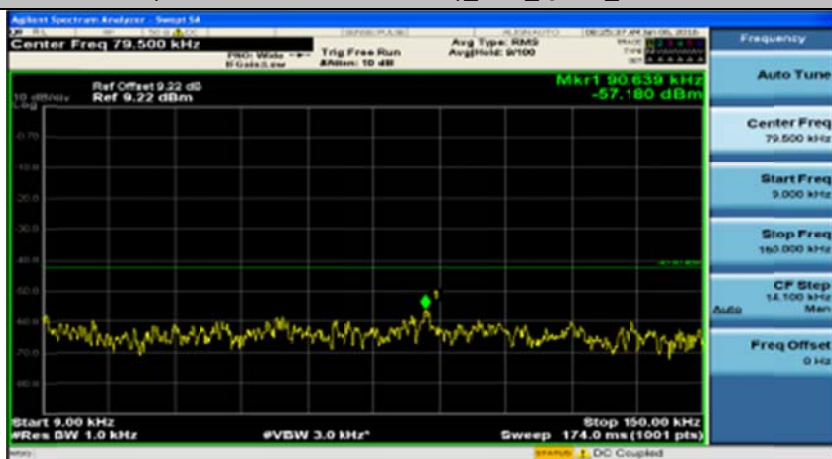
DC Coupled



Channel Bandwidth 10 MHz_HCH_16QAM_1RB#49



(Channel Bandwidth 15 MHz)_LCH_QPSK_1RB#0



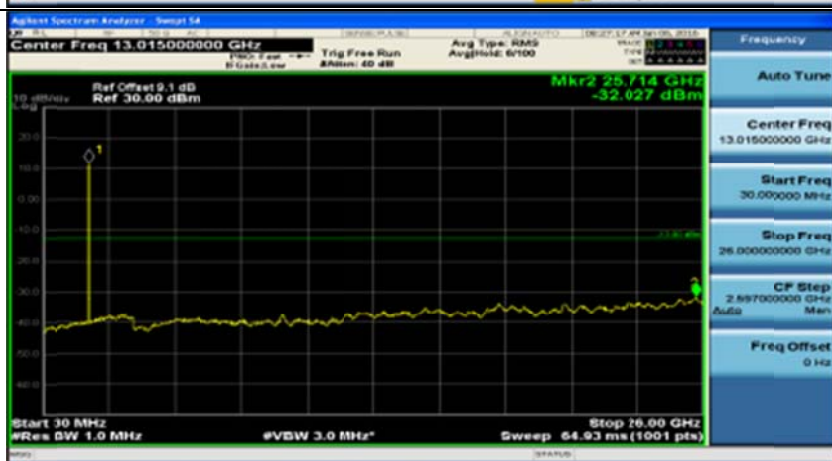
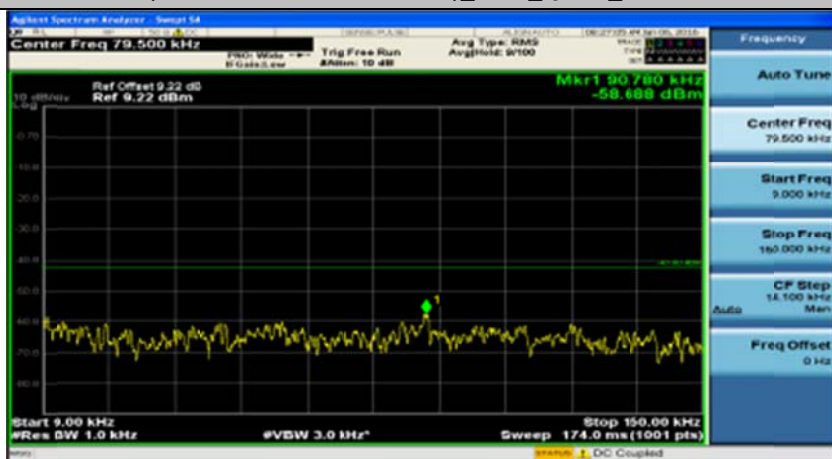
(Channel Bandwidth 15 MHz)_LCH_QPSK_1RB#37



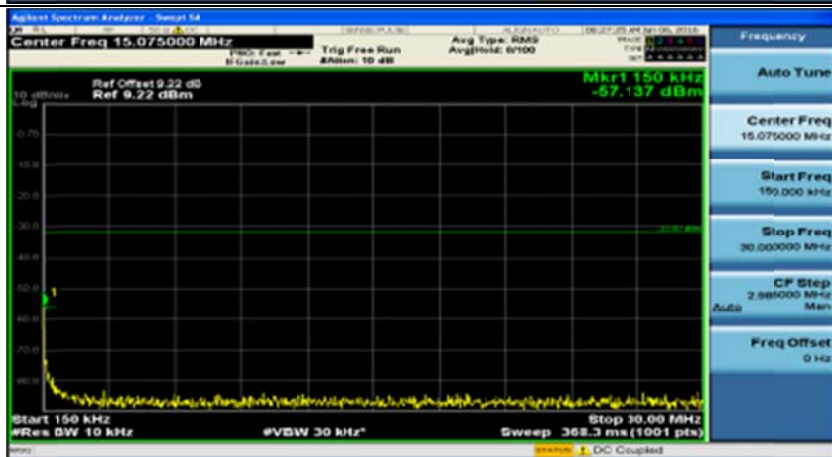
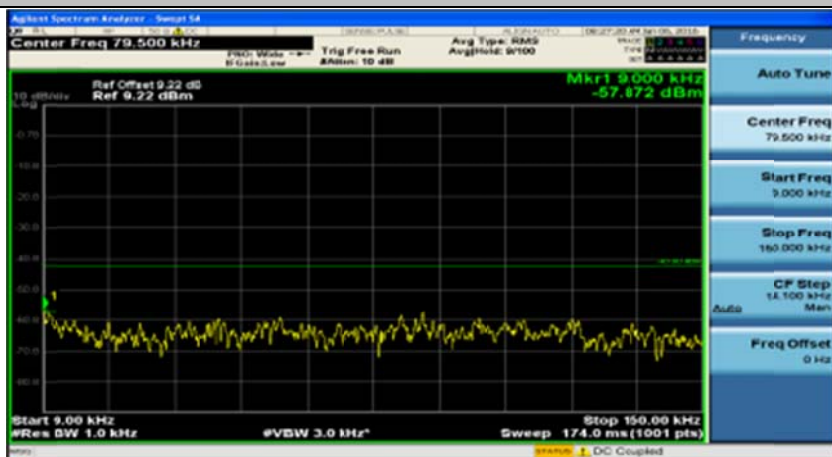
(Channel Bandwidth 15 MHz)_LCH_QPSK_1RB#74



(Channel Bandwidth 15 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth 15 MHz)_MCH_QPSK_1RB#37



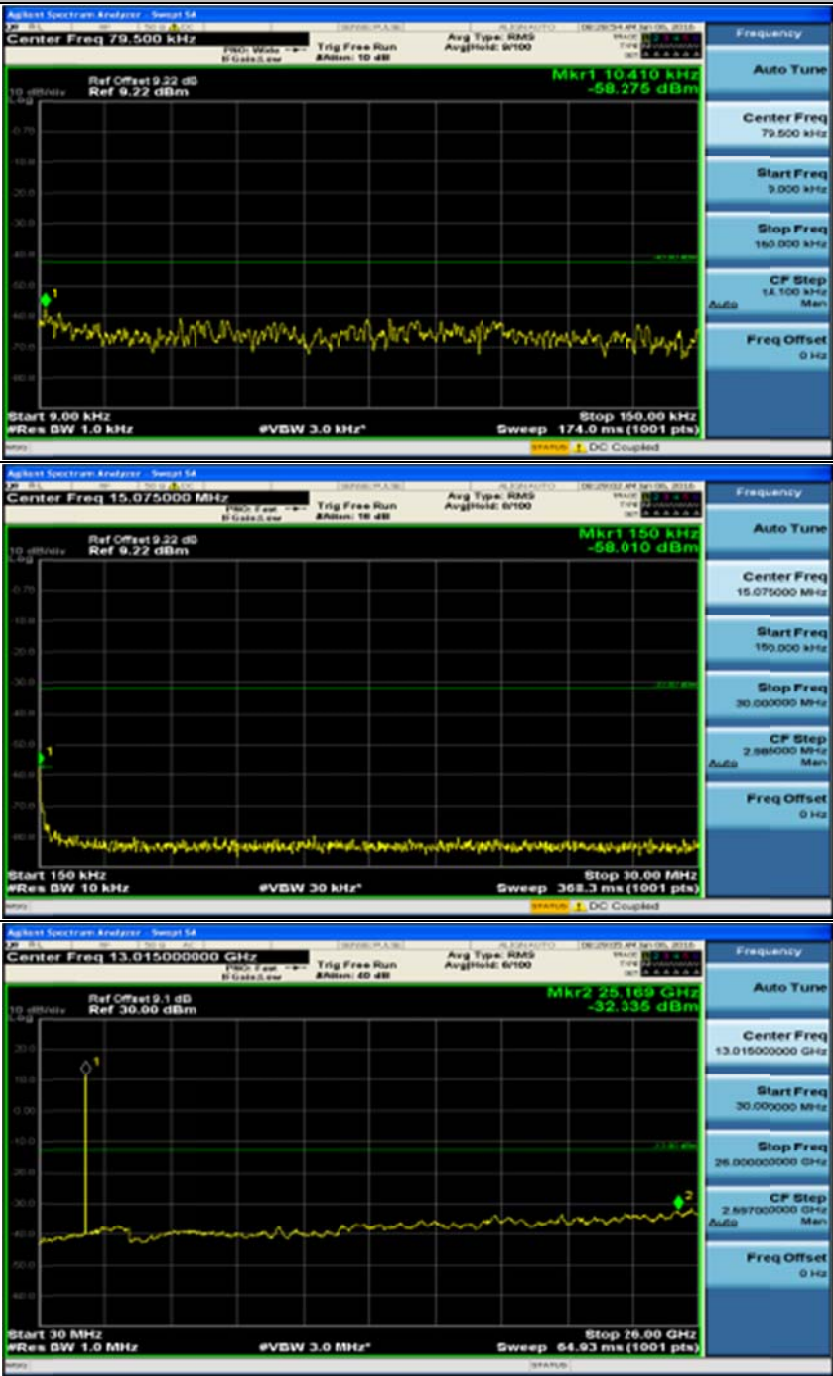
(Channel Bandwidth 15 MHz)_MCH_QPSK_1RB#74



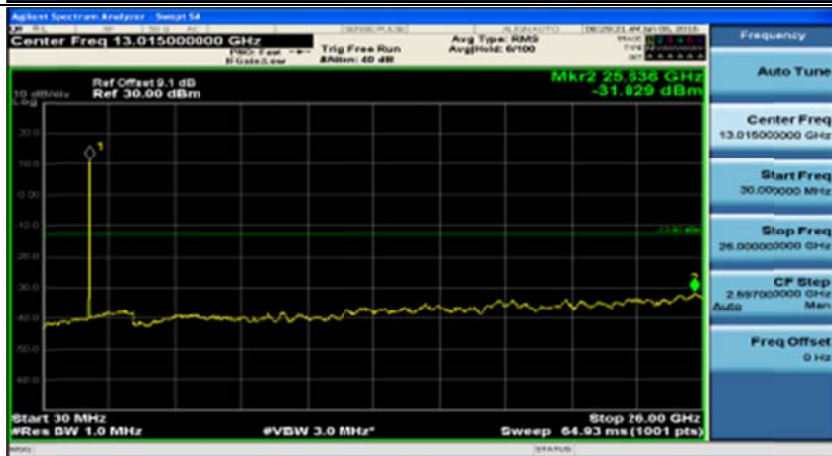
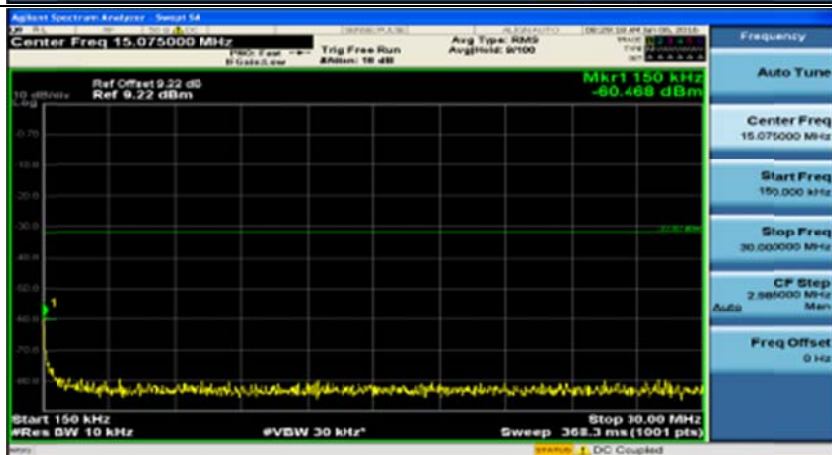
(Channel Bandwidth 15 MHz)_HCH_QPSK_1RB#0



(Channel Bandwidth 15 MHz)_HCH_QPSK_1RB#37

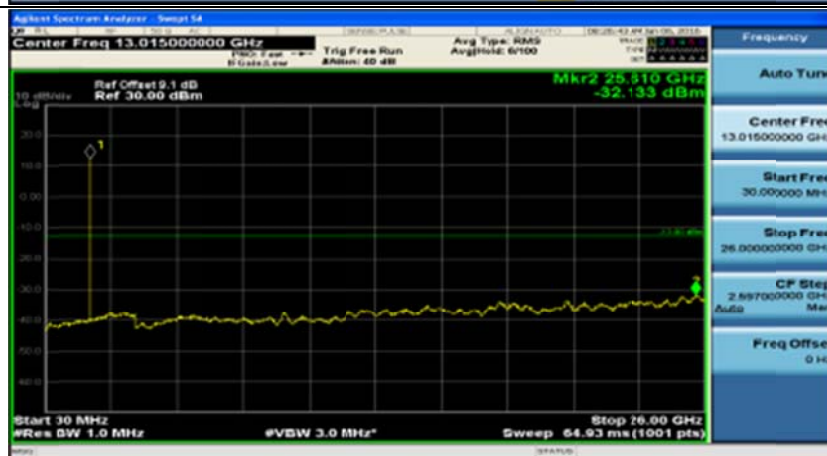


(Channel Bandwidth 15 MHz)_HCH_QPSK_1RB#74

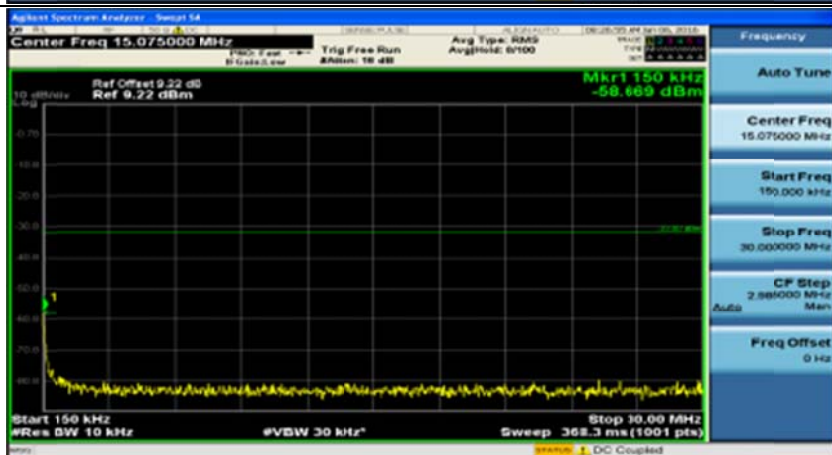


(Channel Bandwidth 15 MHz)_LCH_16QAM_1RB#0

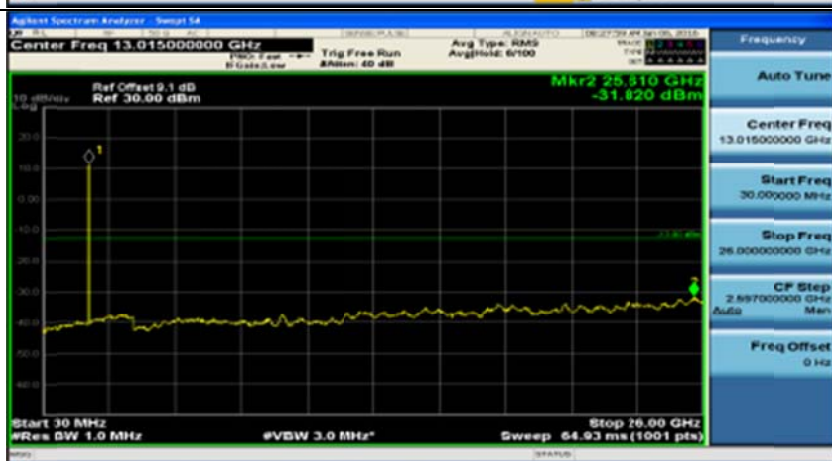
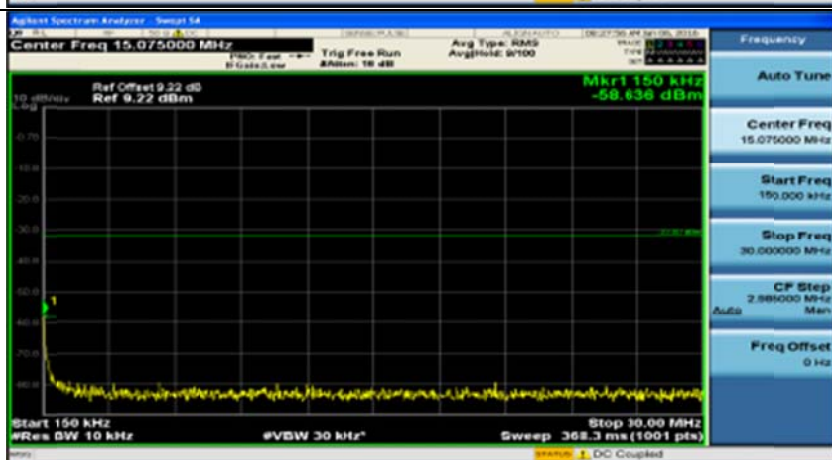


[illegible]

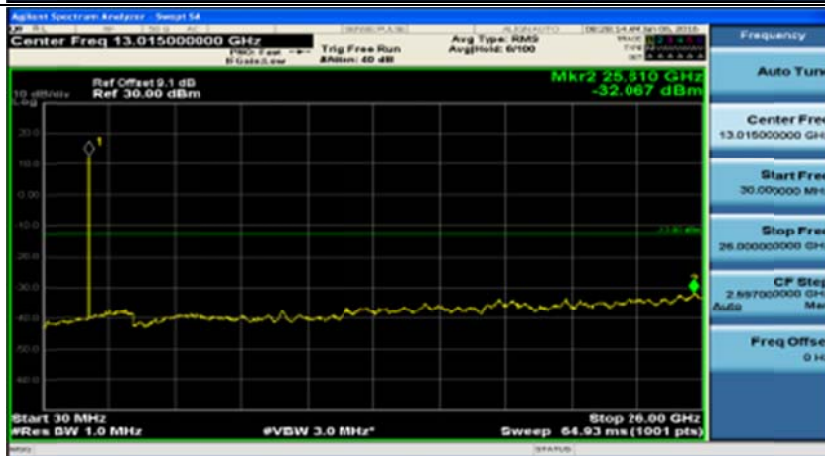
(Channel Bandwidth 15 MHz)_LCH_16QAM_1RB#74



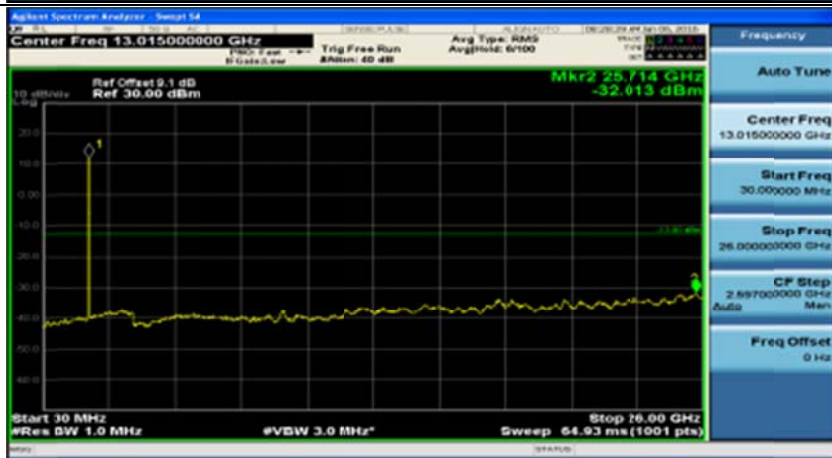
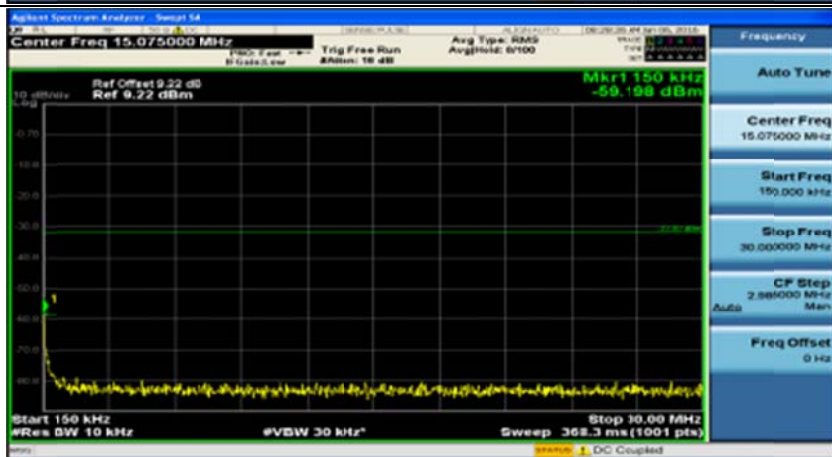
(Channel Bandwidth 15 MHz)_MCH_16QAM_1RB#0



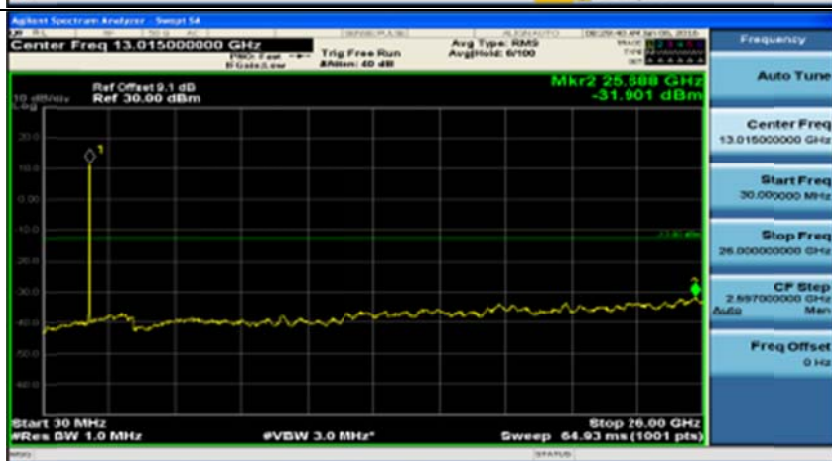
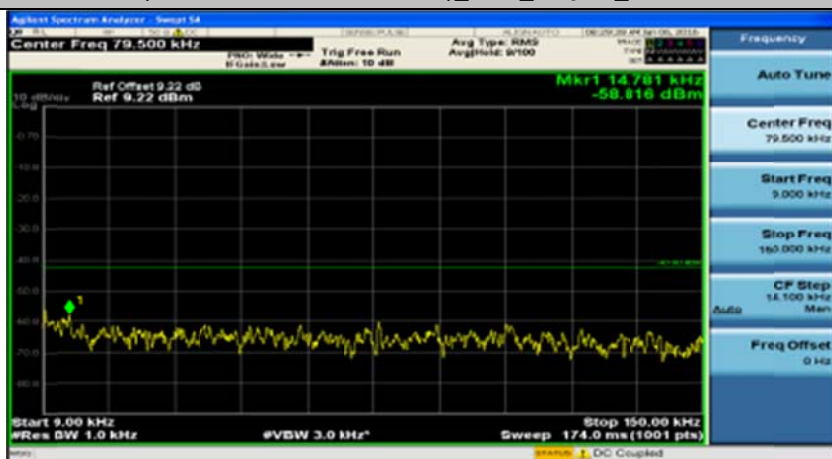
(Channel Bandwidth 15 MHz)_MCH_16QAM_1RB#37

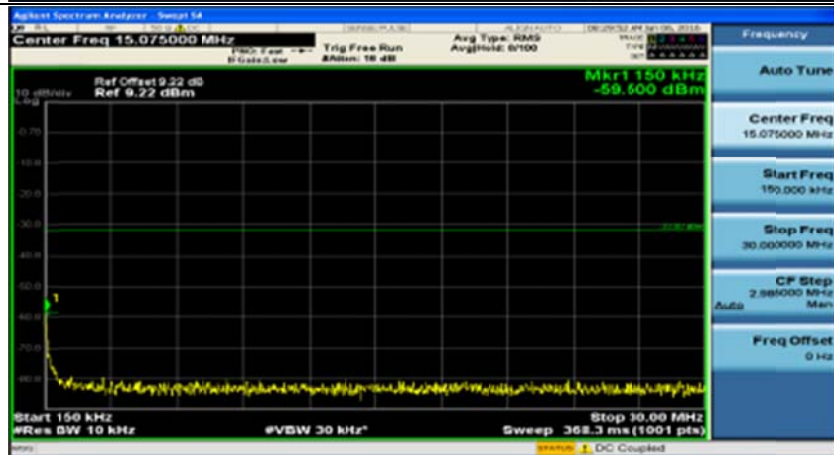


(Channel Bandwidth 15 MHz)_MCH_16QAM_1RB#74

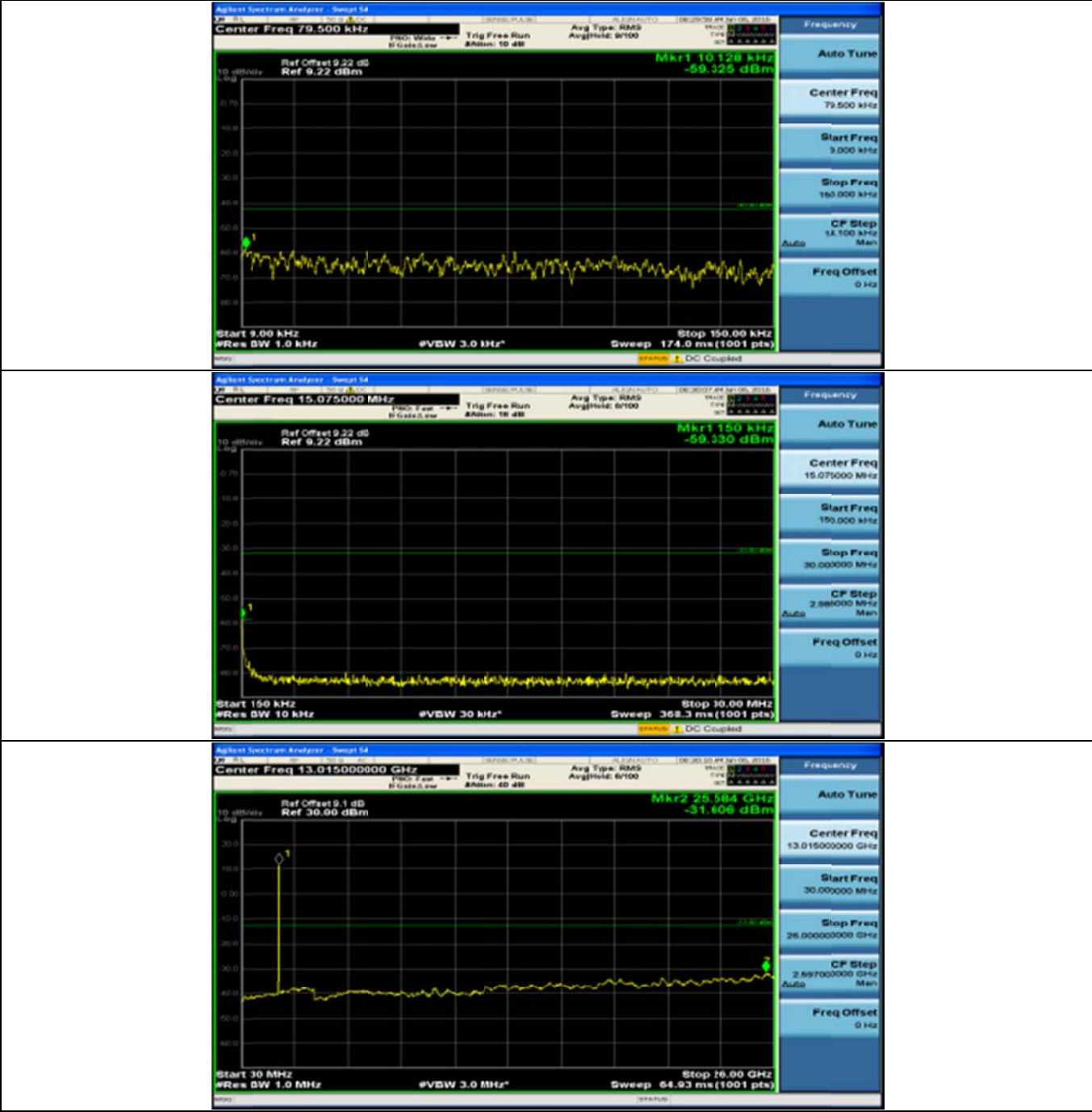


(Channel Bandwidth 15 MHz)_HCH_16QAM_1RB#0

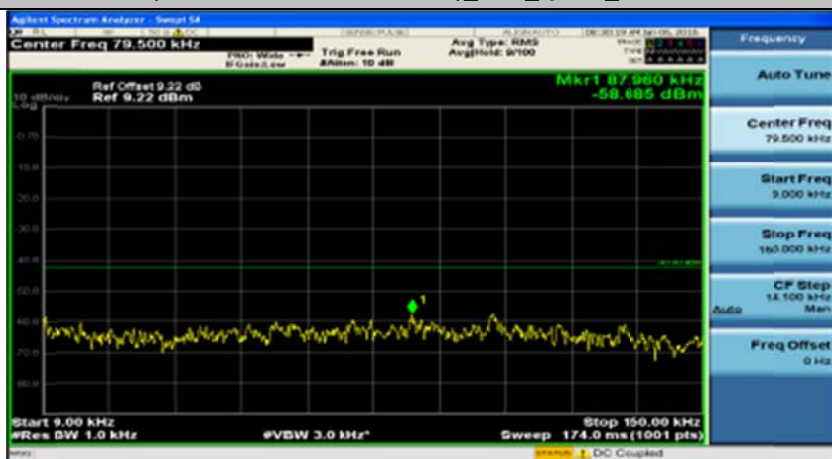


[illegible]

(Channel Bandwidth 15 MHz)_HCH_16QAM_1RB#74



(Channel Bandwidth 20 MHz)_LCH_QPSK_1RB#0



Agilent Spectrum Analyzer - Setup 14

Center Freq 79.500 kHz

Ref Offset 9.22 dB
Ref 9.22 dBm

Marker 1 9.141 kHz
-58.100 dBm

Start 9.00 kHz
#Res BW 1.0 kHz

#VBW 3.0 MHz

Stop 150.00 kHz
Sweep 174.0 ms (1001 pts)

Frequency

Auto Tune

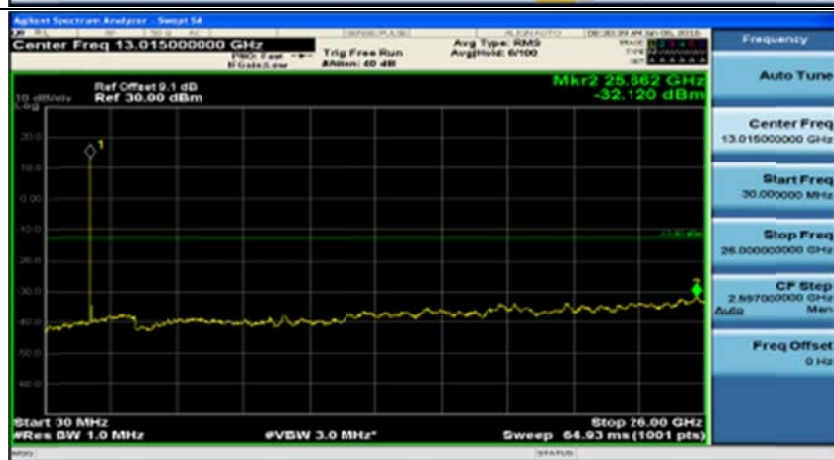
Center Freq
79.500 kHz

Start Freq
9.000 kHz

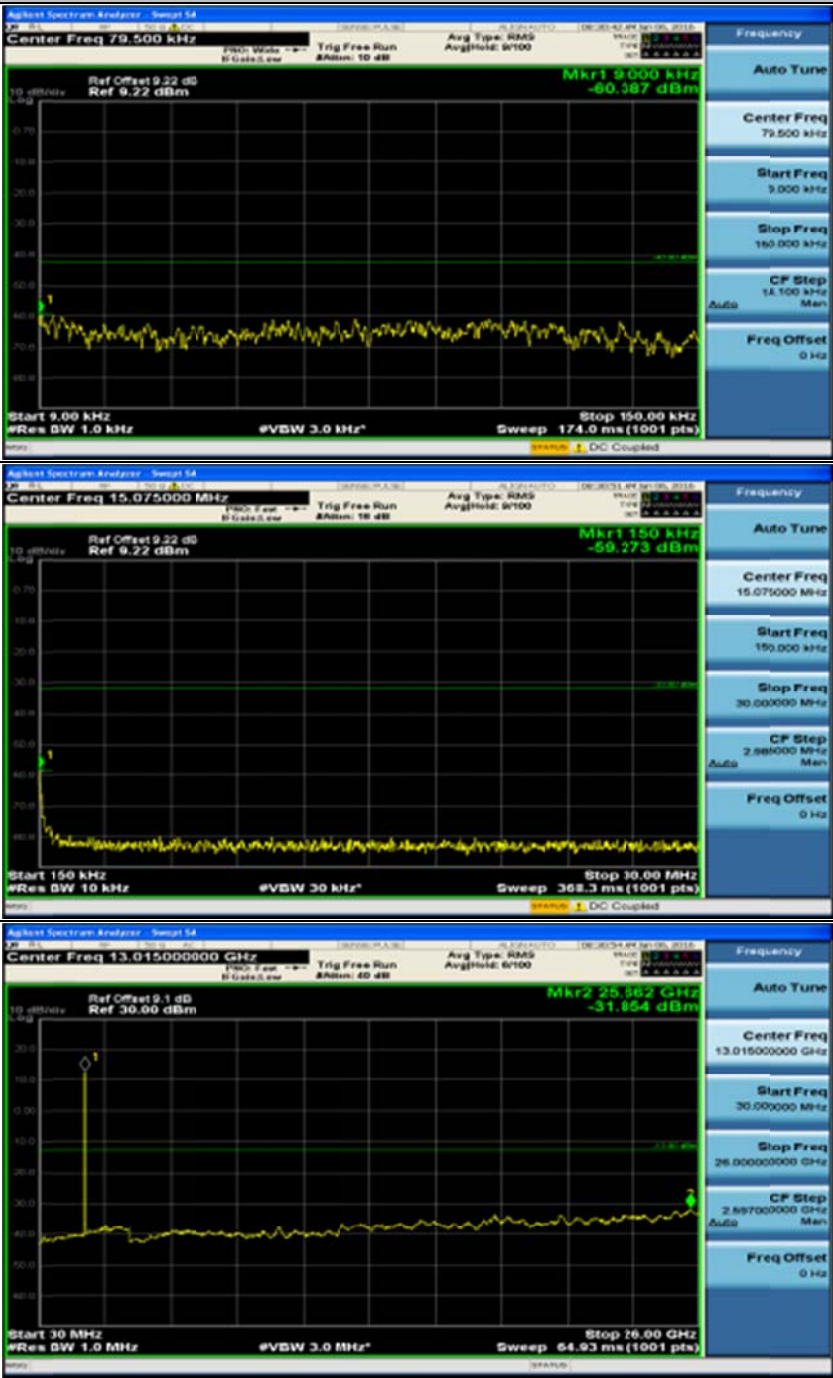
Stop Freq
150.000 kHz

CF Step
14.100 kHz
Man

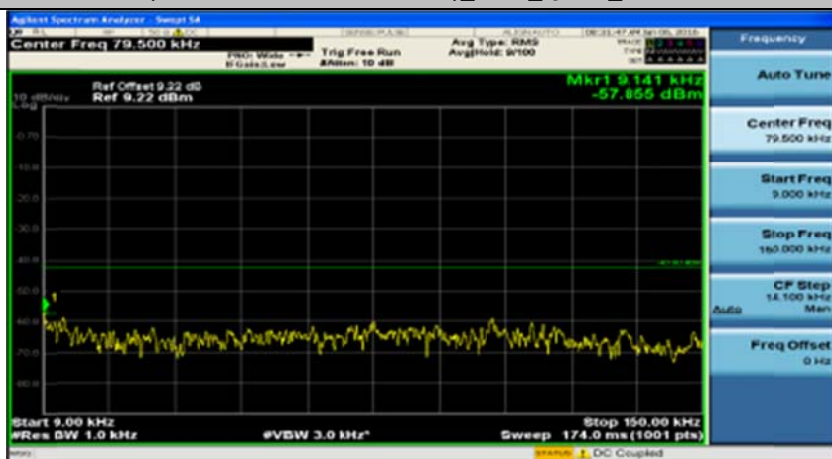
Freq Offset
0 Hz



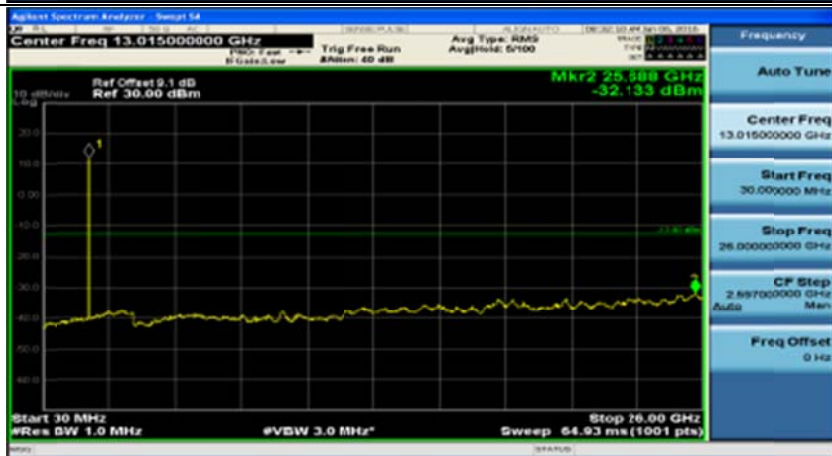
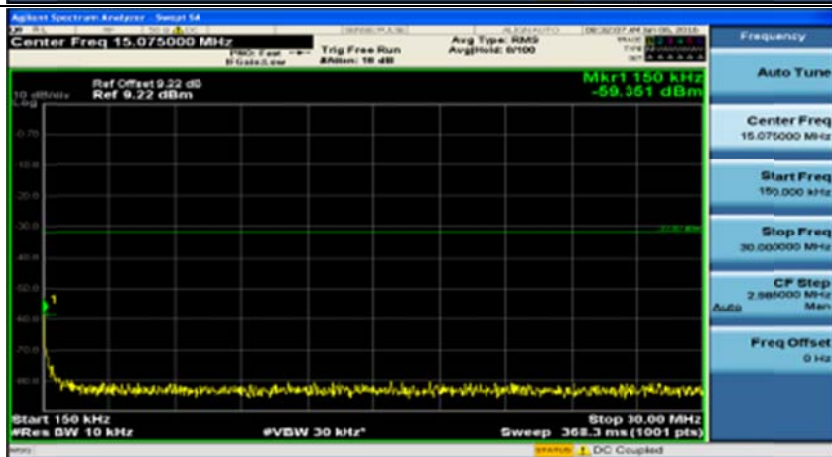
(Channel Bandwidth 20 MHz)_LCH_QPSK_1RB#99



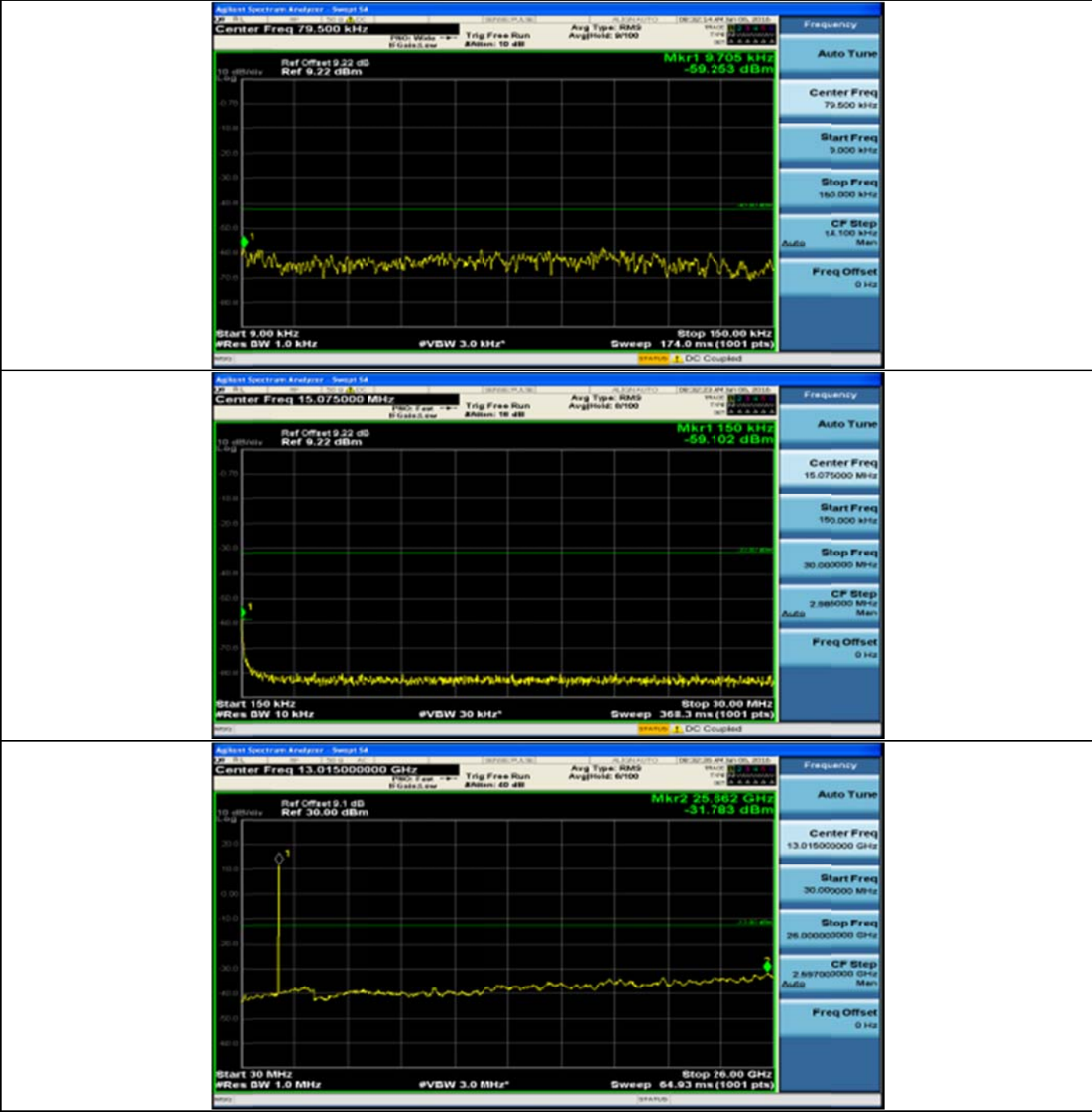
(Channel Bandwidth 20 MHz)_MCH_QPSK_1RB#0



(Channel Bandwidth 20 MHz)_MCH_QPSK_1RB#49



(Channel Bandwidth 20 MHz)_MCH_QPSK_1RB#99



(Channel Bandwidth 20 MHz)_HCH_QPSK_1RB#0



Agilent Spectrum Analyzer - Setup 34

Center Freq 79.500 kHz

Ref Offset 9.22 dB
Ref 9.22 dBm

Start 9.00 kHz
#Res BW 1.0 kHz

Stop 150.00 kHz
Sweep 174.0 ms (1001 pts)

Frequency

Auto Tune

Center Freq 79.500 kHz

Start Freq 9.000 kHz

Stop Freq 150.000 kHz

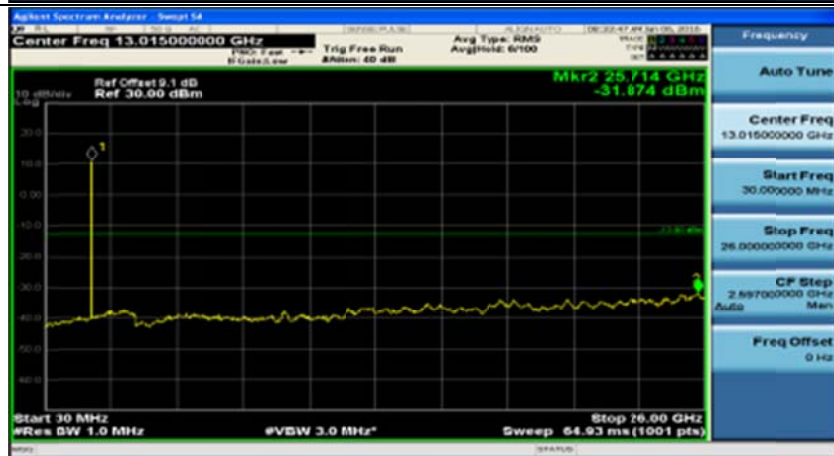
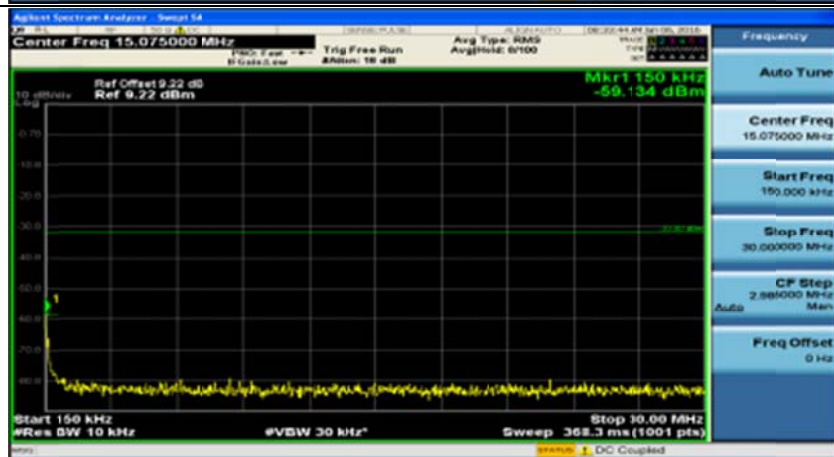
CF Step 14.100 kHz

Ref Offset 0 Hz

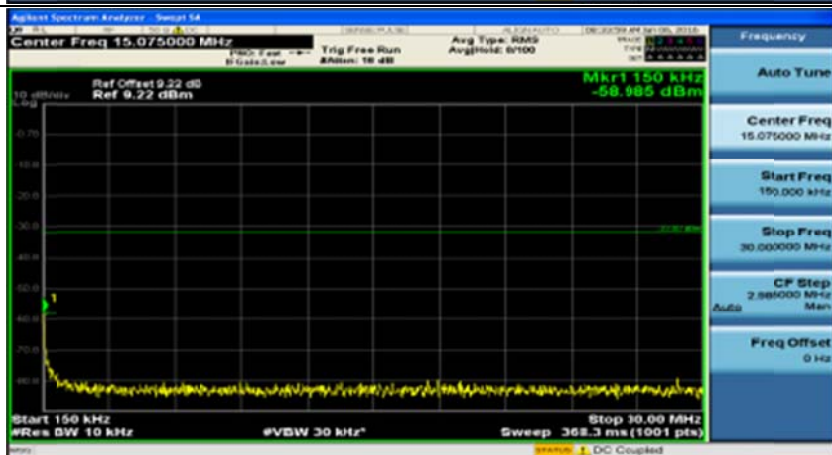
Mkr1 109.974 kHz
-59.162 dBm

#VSW 3.0 MHz*

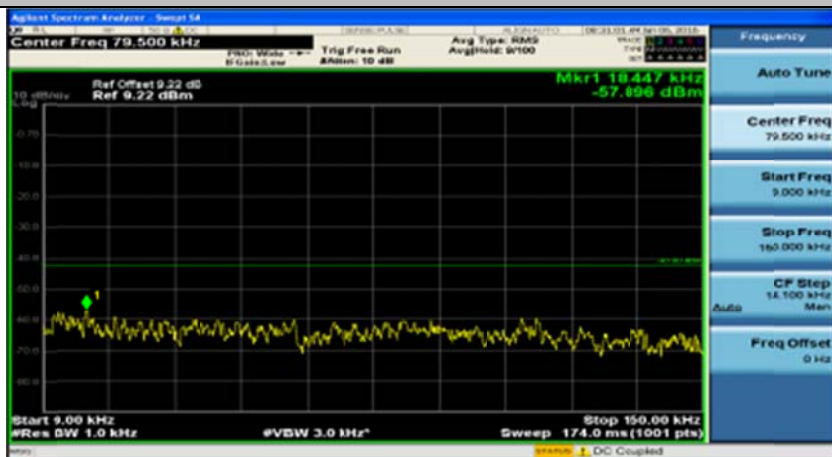
Trace 1, DC Coupled



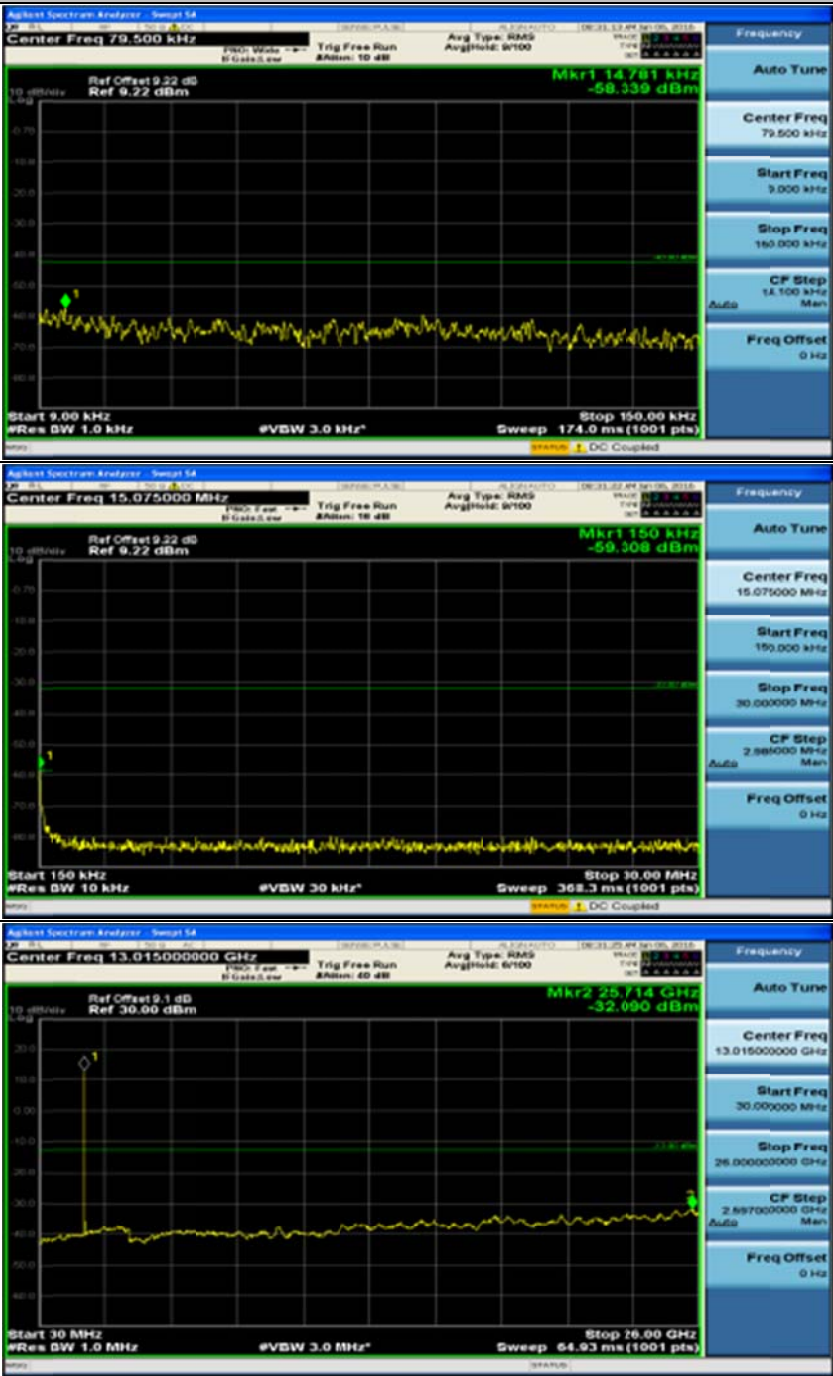
(Channel Bandwidth 20 MHz)_HCH_QPSK_1RB#99



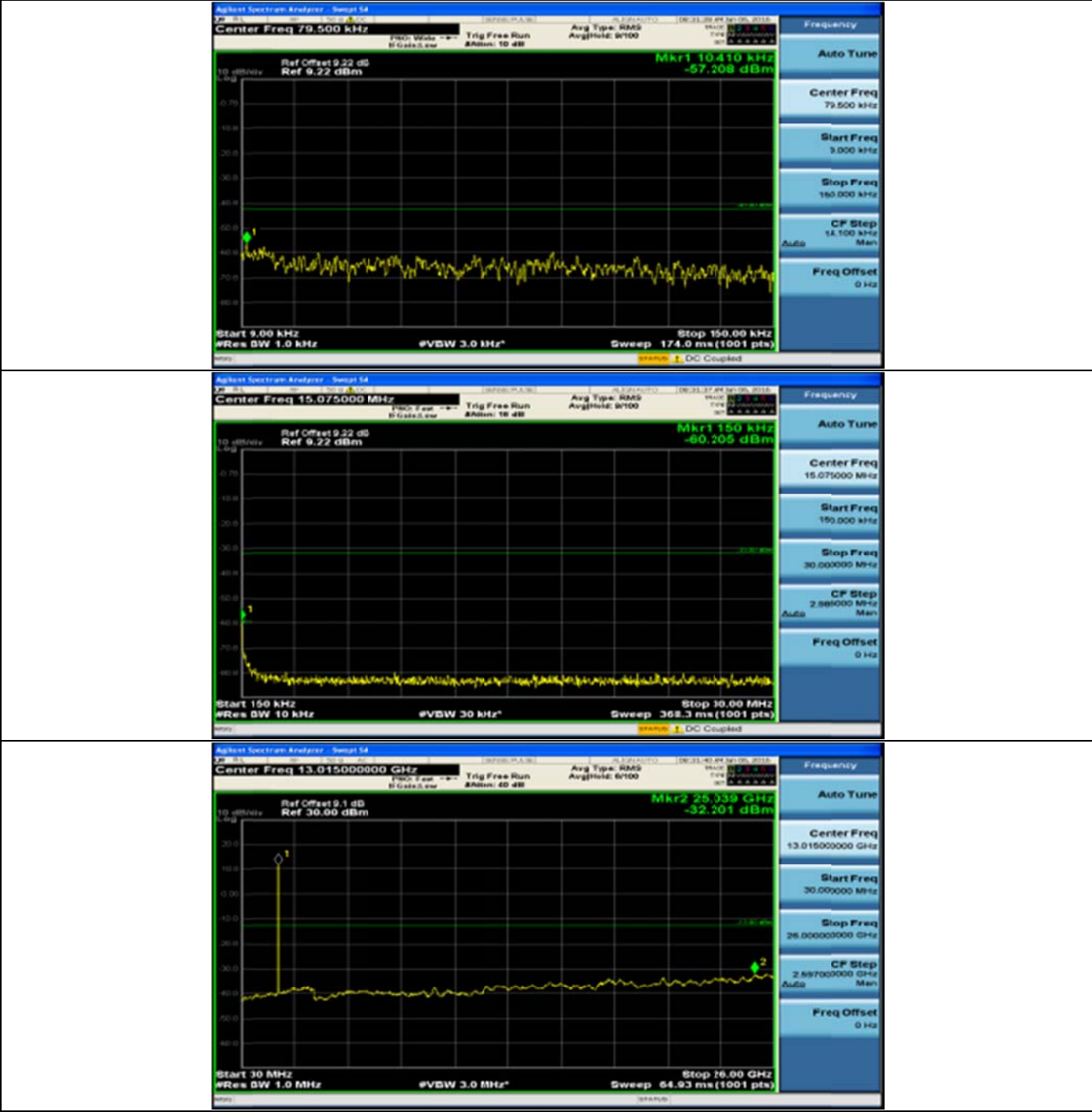
(Channel Bandwidth 20 MHz)_LCH_16QAM_1RB#0



(Channel Bandwidth 20 MHz)_LCH_16QAM_1RB#49



(Channel Bandwidth 20 MHz)_LCH_16QAM_1RB#99



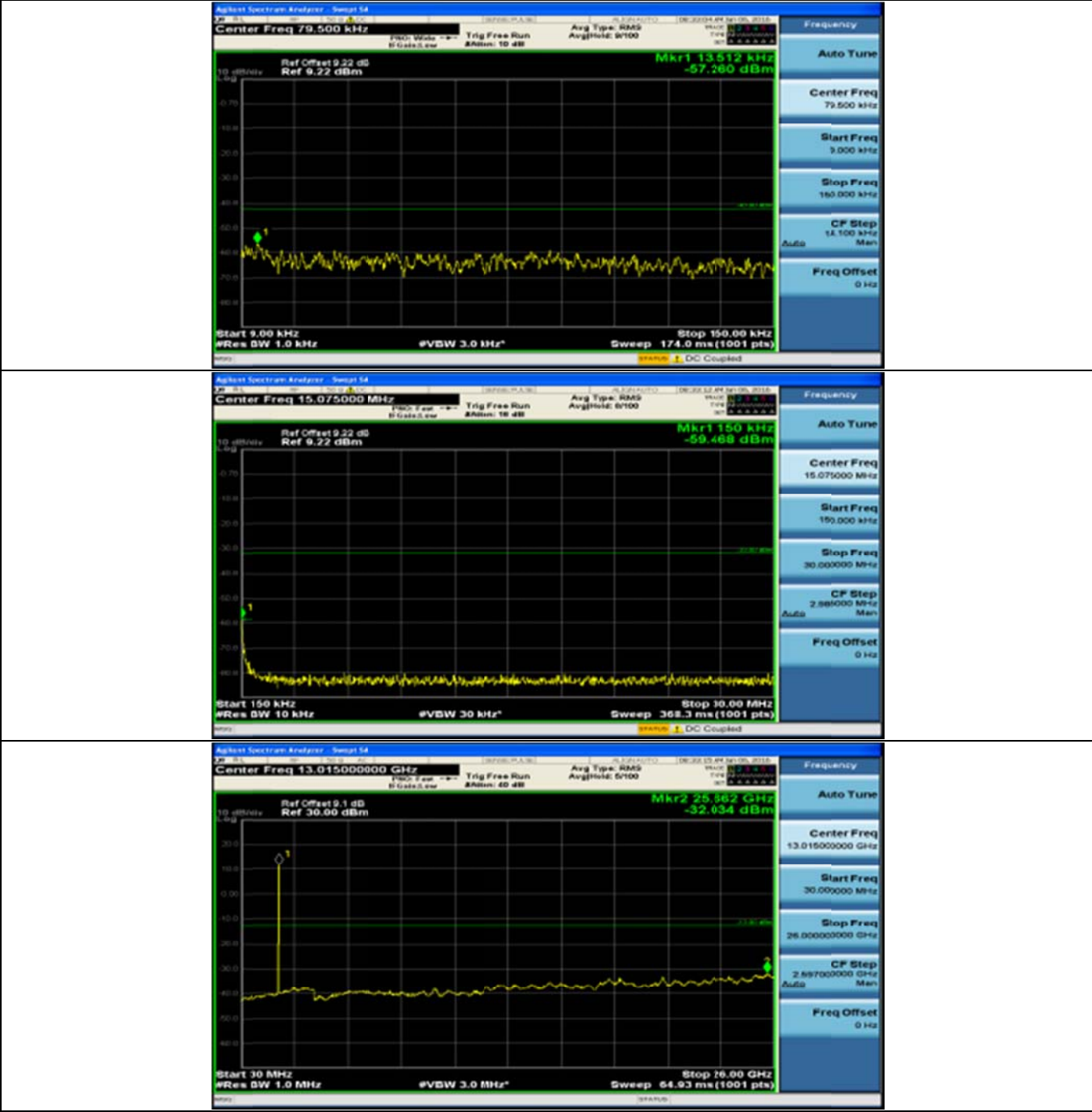
(Channel Bandwidth 20 MHz)_MCH_16QAM_1RB#0



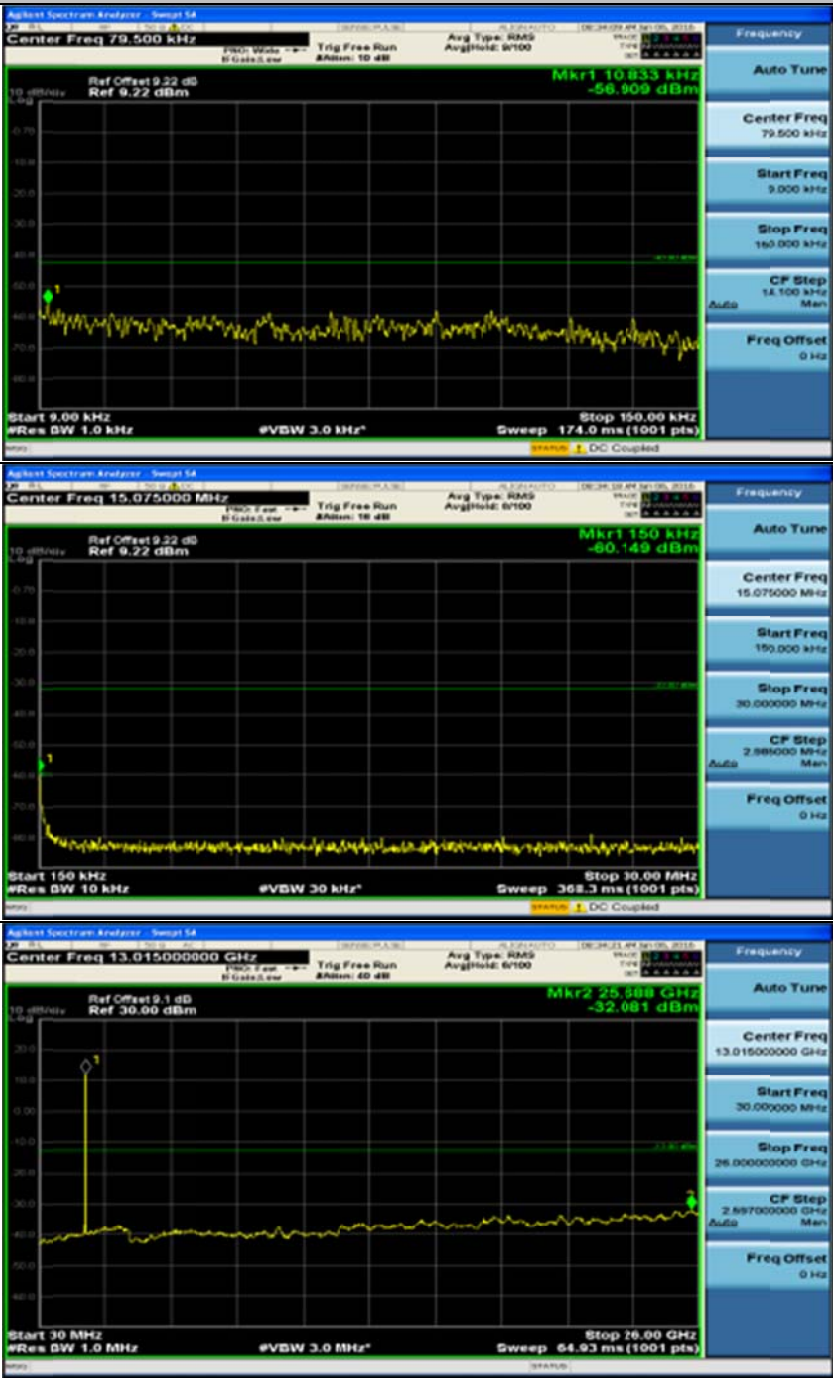
(Channel Bandwidth 20 MHz)_MCH_16QAM_1RB#49



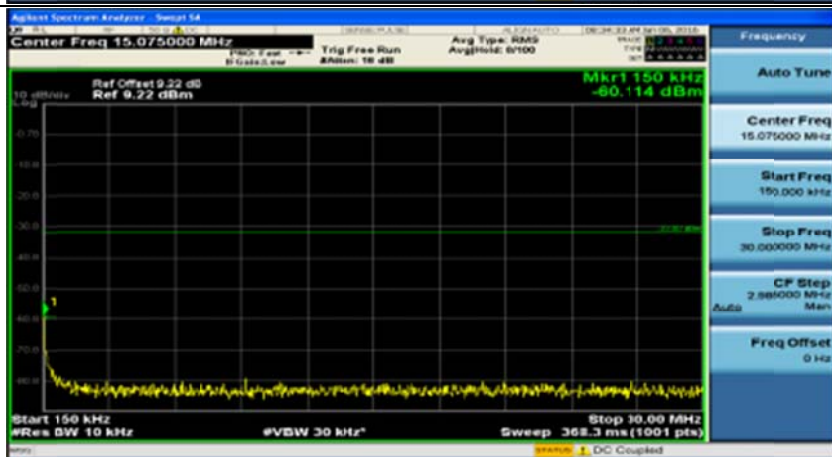
(Channel Bandwidth 20 MHz)_MCH_16QAM_1RB#99



(Channel Bandwidth 20 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth 20 MHz)_HCH_16QAM_1RB#49



(Channel Bandwidth 20 MHz)_HCH_16QAM_1RB#99

