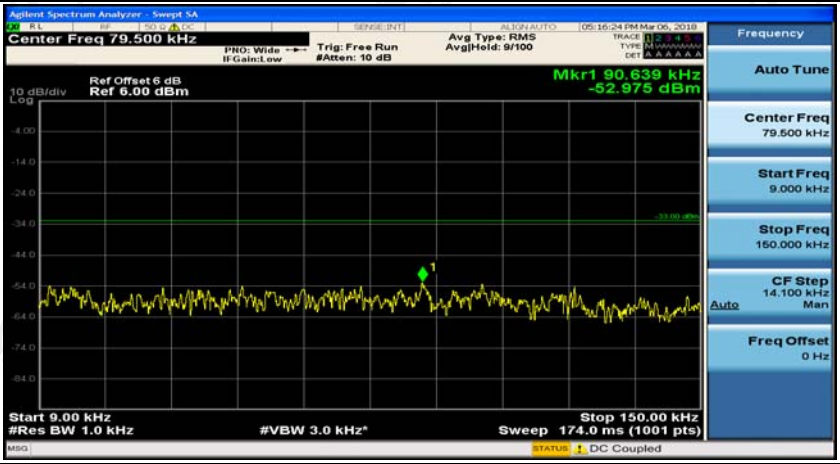
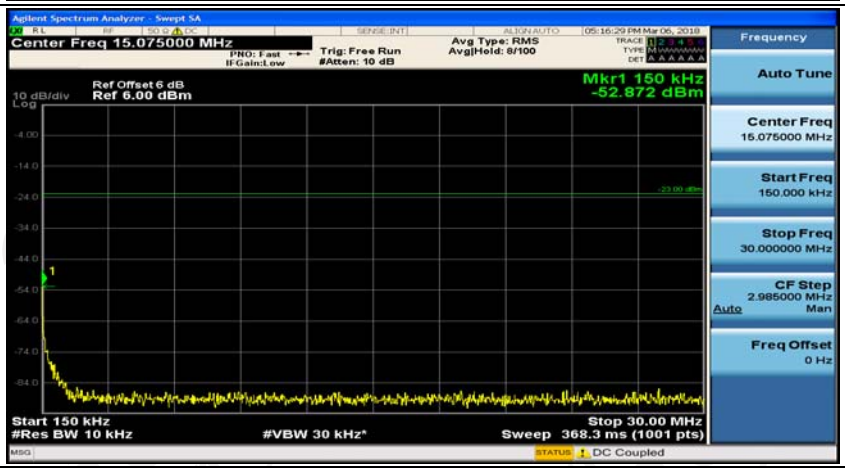
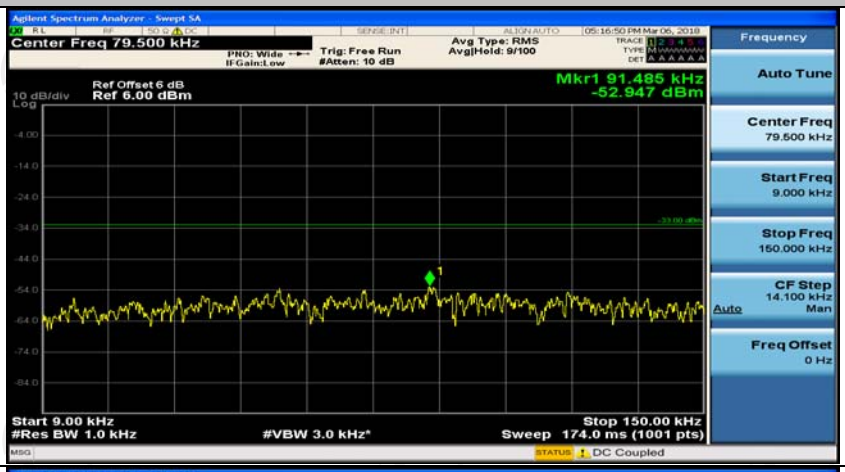
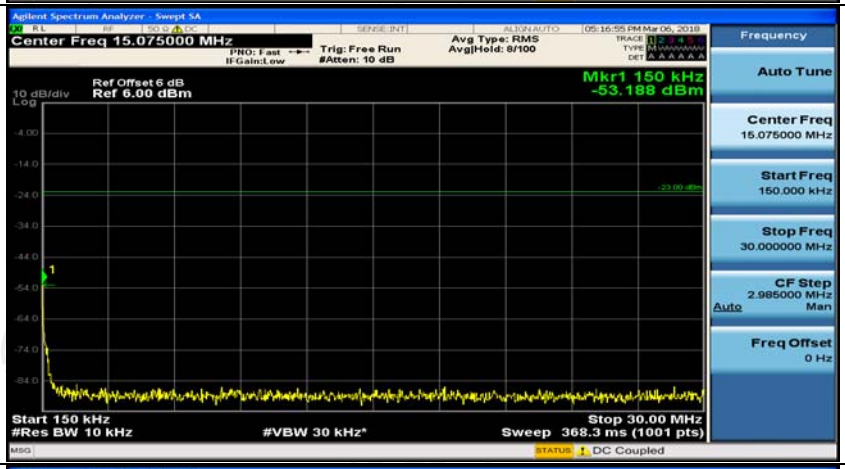

Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 9/100
05:16:24 PM Mar 06, 2018
Ref Offset 6 dB
10 dB/div Ref 6.00 dBm
Log
Mkr1 90.639 kHz
-52.975 dBm
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.0 ms (1001 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: 10 dB
Avg Type: RMS
Avg|Hold: 8/100
05:16:29 PM Mar 06, 2018
Ref Offset 6 dB
10 dB/div Ref 6.00 dBm
Log
Mkr1 150 kHz
-52.872 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 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: 6/100
05:16:32 PM Mar 06, 2018
Ref Offset 6 dB
10 dB/div Ref 30.00 dBm
Log
Mkr2 26.000 GHz
-28.290 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 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: 5 MHz

| (Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0 |
| --- |
|  |
|  |
| |
| (Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12 |





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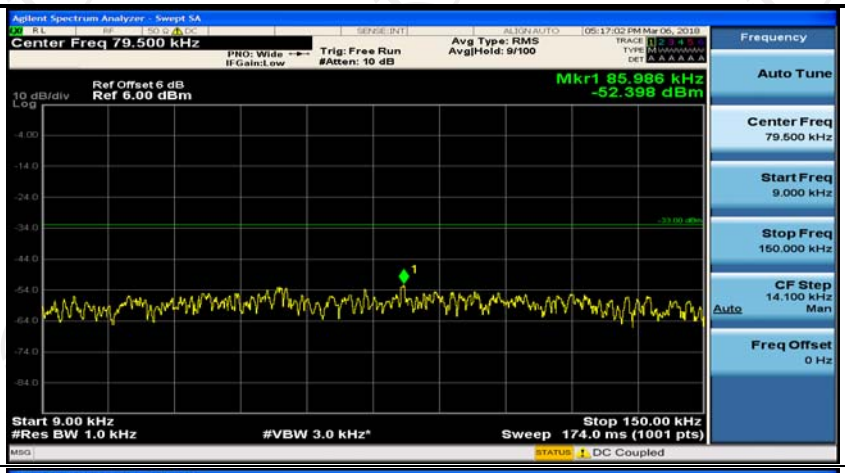


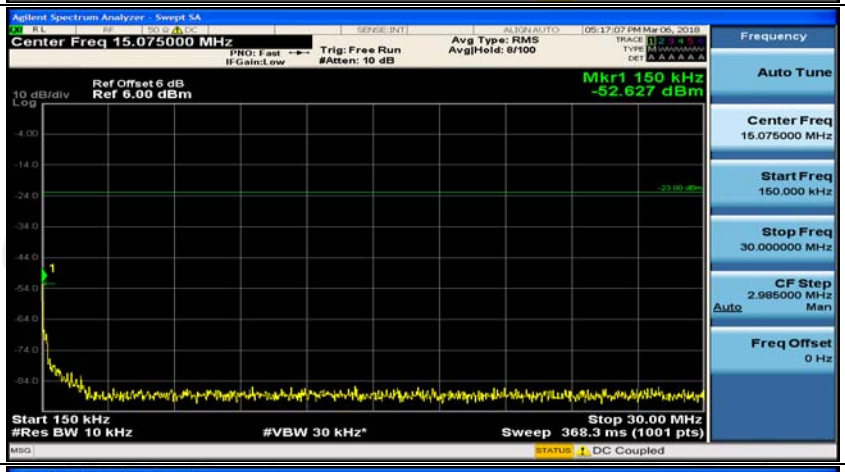

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



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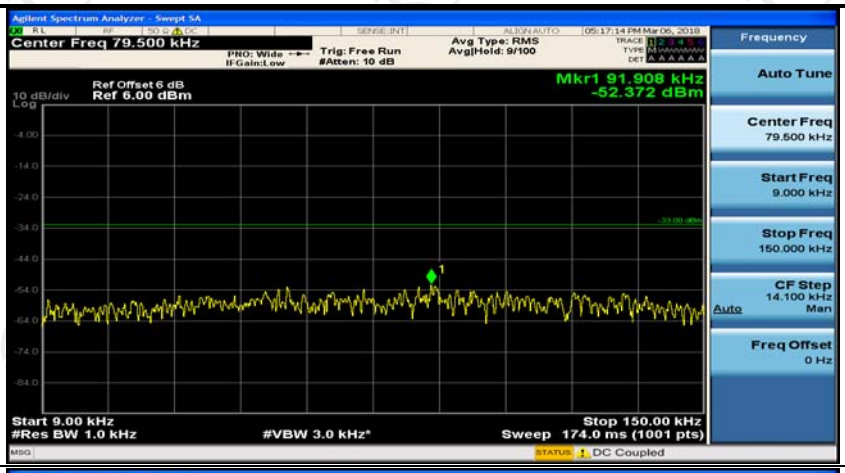
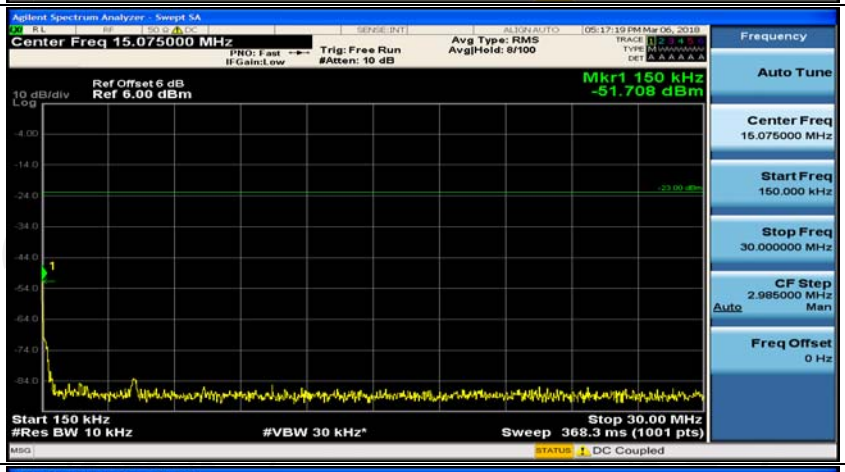
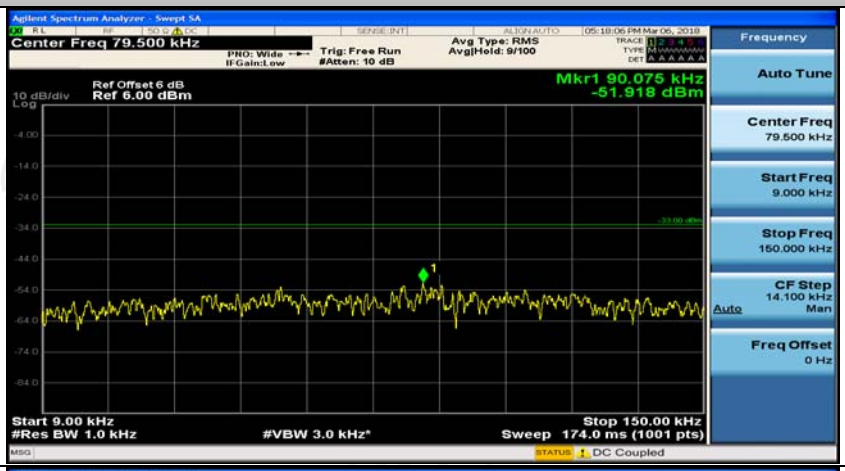
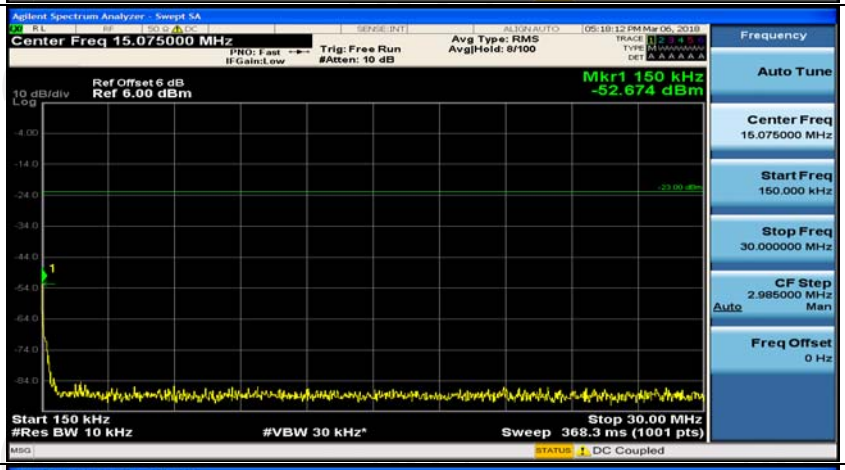
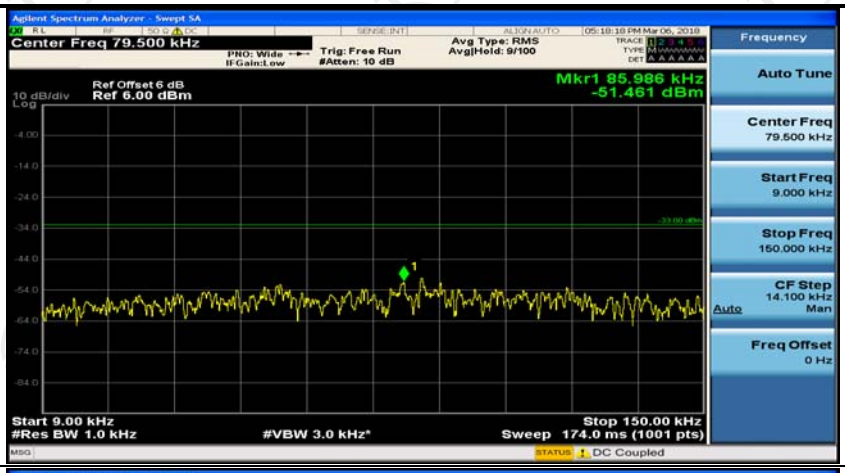
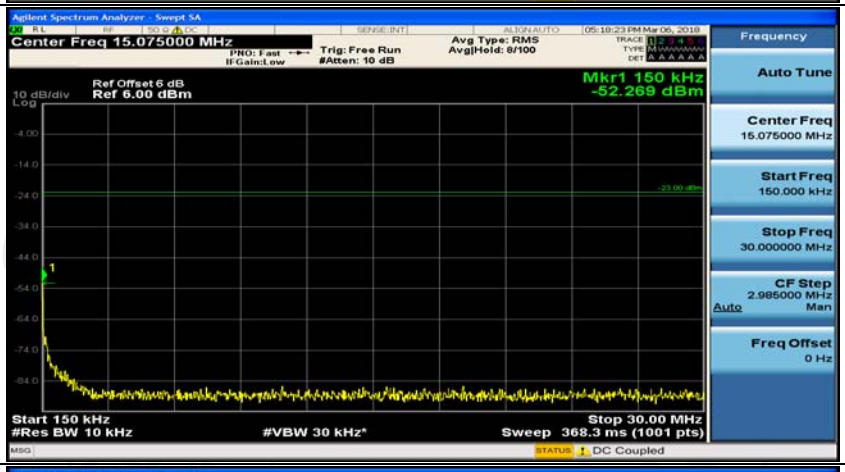

Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 9/100
05:17:14 PM Mar 06, 2018
Frequency
Auto Tune
Mkr1 91.908 kHz
-52.372 dBm
Ref Offset 6 dB
10 dB/div
Log
Ref 6.00 dBm
Center Freq
79.500 kHz
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.0 ms (1001 pts)
1 DC Coupled


Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 8/100
05:17:19 PM Mar 06, 2018
Frequency
Auto Tune
Mkr1 150 kHz
-51.708 dBm
Ref Offset 6 dB
10 dB/div
Log
Ref 6.00 dBm
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
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
1 DC Coupled

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: 6/100
05:17:22 PM Mar 06, 2018
Frequency
Auto Tune
Mkr2 25.533 GHz
-28.563 dBm
Ref Offset 6 dB
10 dB/div
Log
Ref 30.00 dBm
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
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)

| (Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0 |
| --- |
|  |
|  |
| |
| (Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12 |



(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



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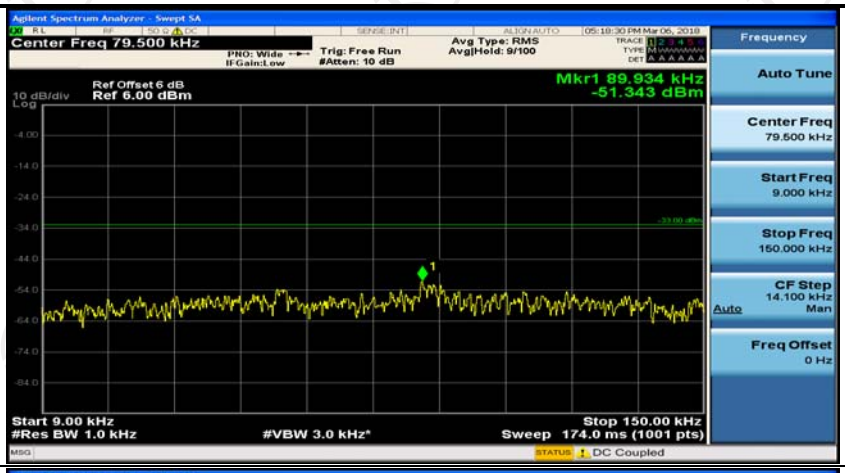


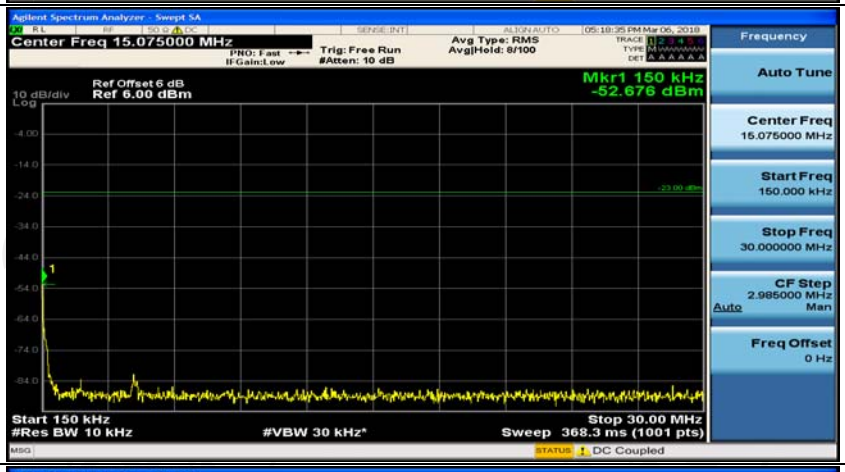

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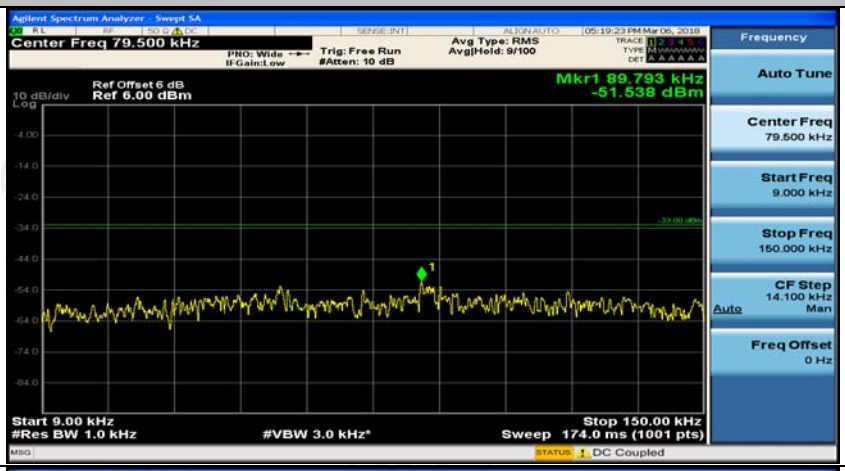
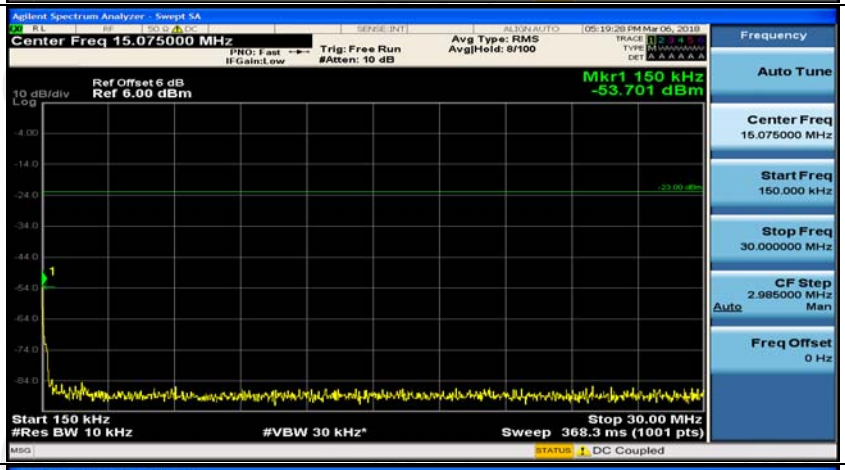
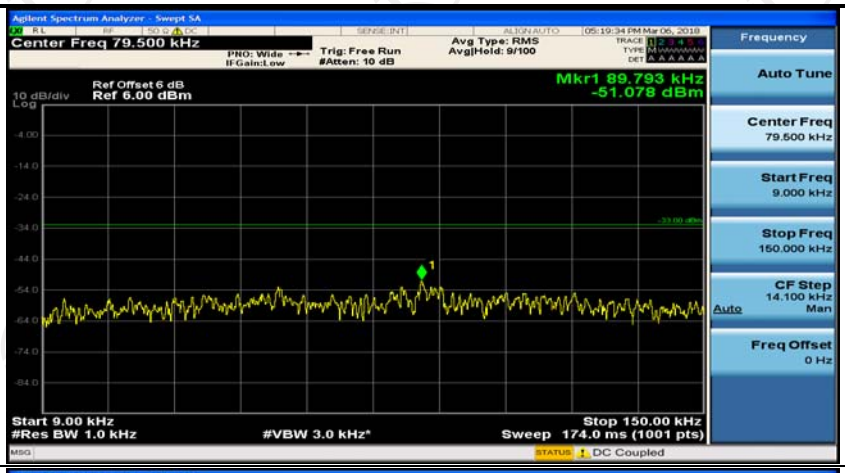
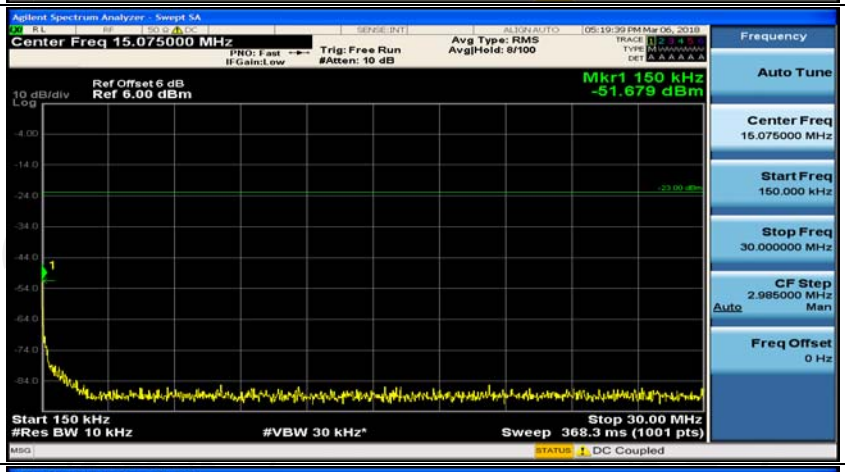
| (Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0 |
| --- |
|  |
|  |
| |
| (Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12 |



(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#24



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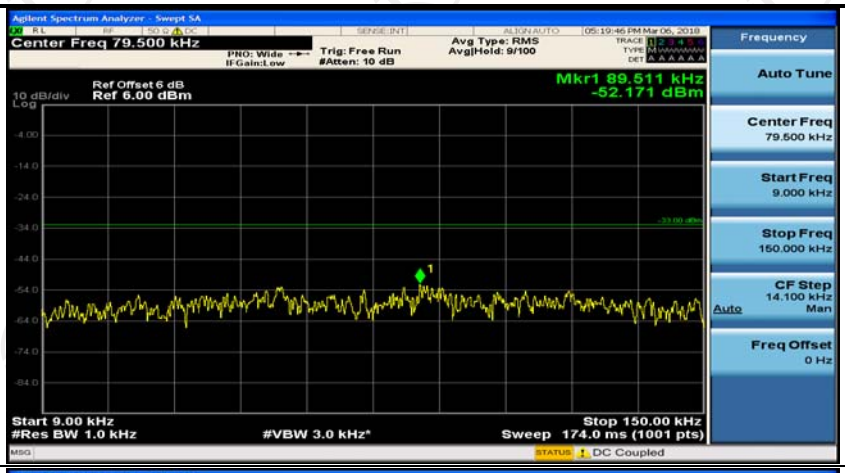
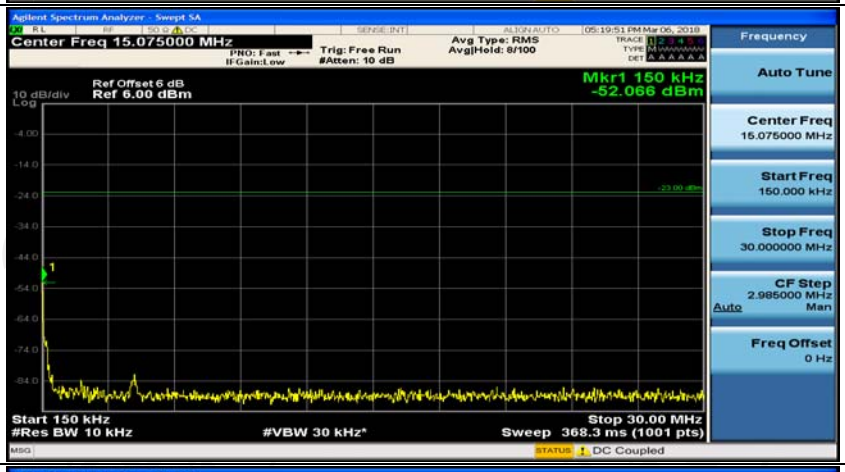
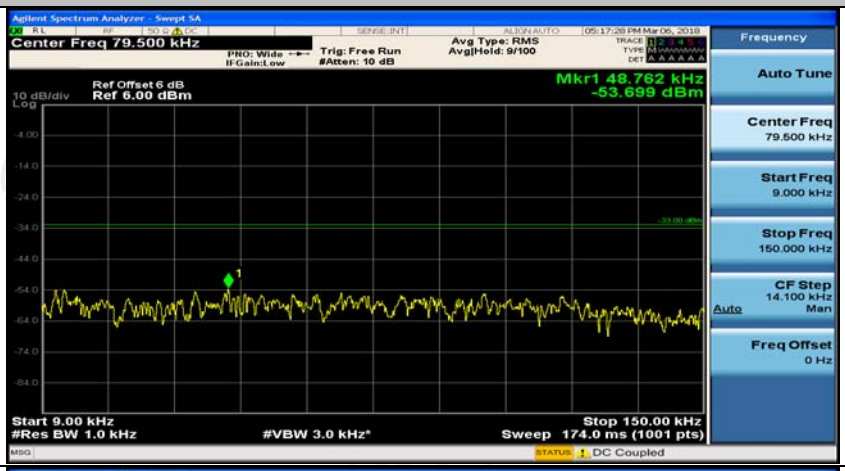
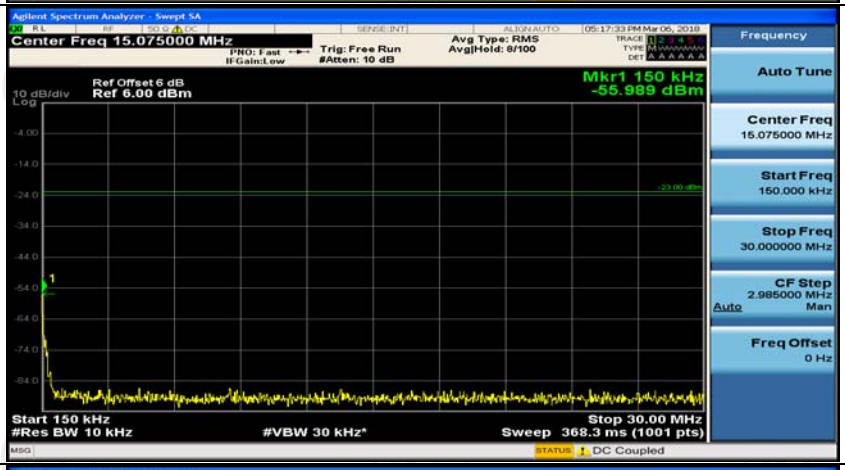

Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 9/100
05:19:46 PM Mar 06, 2018
Frequency
Auto Tune
Mkr1 89.511 kHz
-52.171 dBm
Ref Offset 6 dB
10 dB/div
Log
Ref 6.00 dBm
Center Freq
79.500 kHz
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.0 ms (1001 pts)
1 DC Coupled


Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 8/100
05:19:51 PM Mar 06, 2018
Frequency
Auto Tune
Mkr1 150 kHz
-52.066 dBm
Ref Offset 6 dB
10 dB/div
Log
Ref 6.00 dBm
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
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
1 DC Coupled

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: 6/100
05:19:54 PM Mar 06, 2018
Frequency
Auto Tune
Mkr2 25.533 GHz
-28.440 dBm
Ref Offset 6 dB
10 dB/div
Log
Ref 30.00 dBm
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
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)

| (Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0 |
| --- |
|  |
|  |
| |
| (Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12 |





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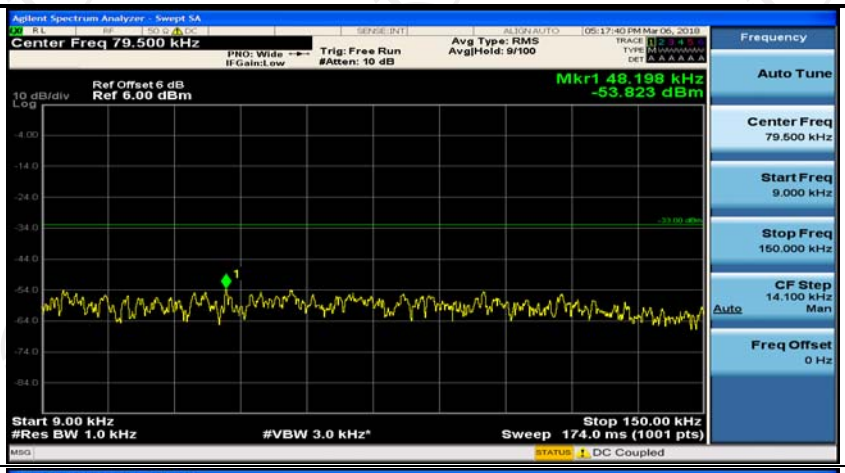
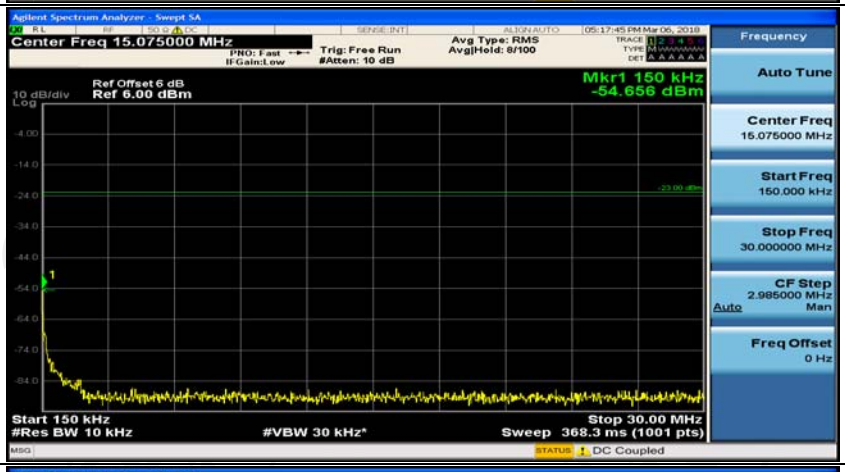
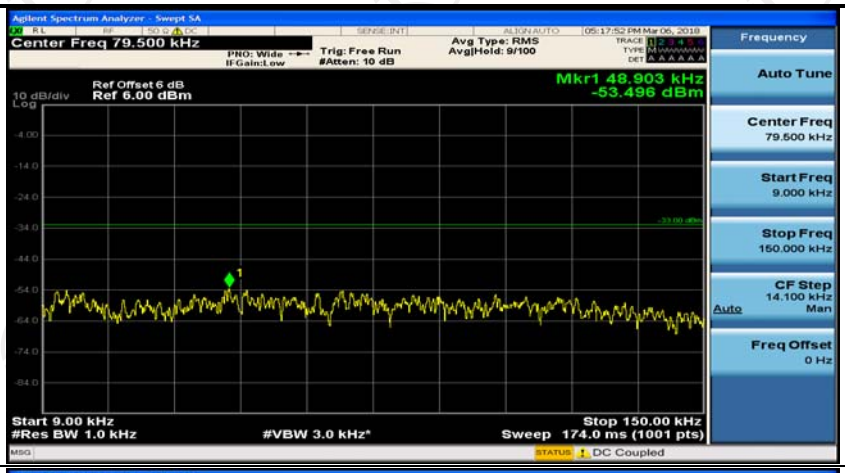
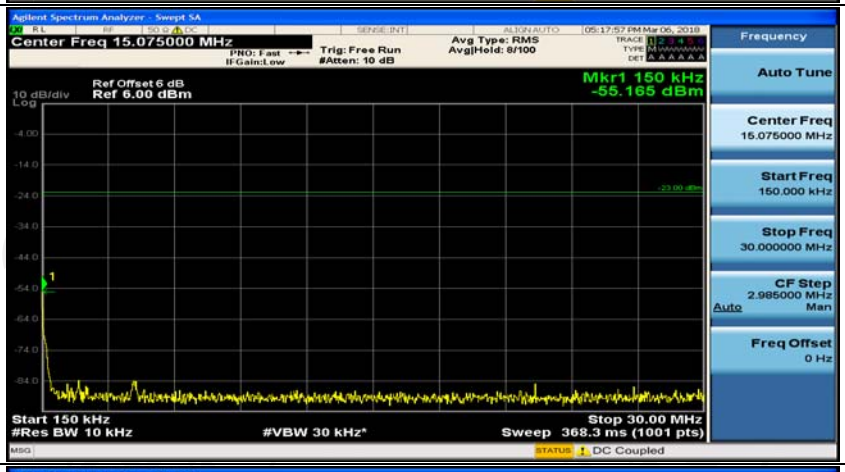


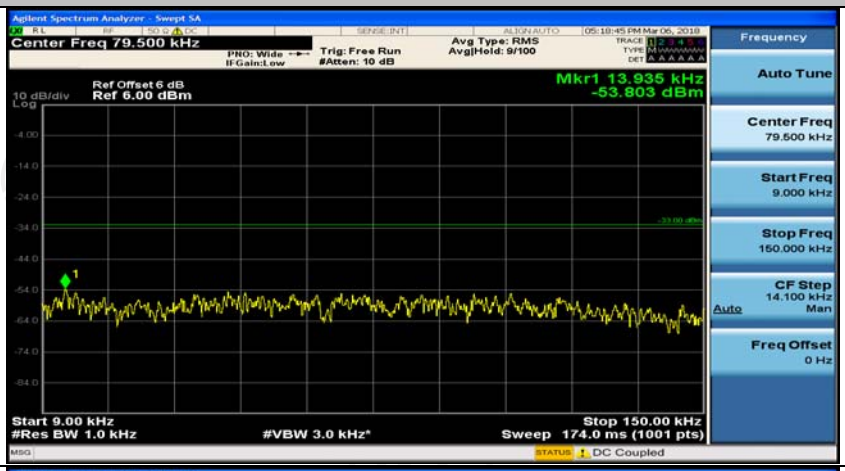
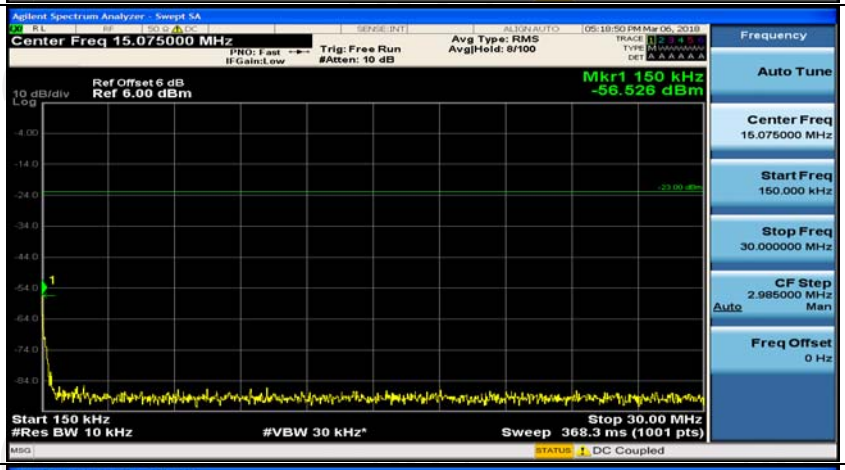



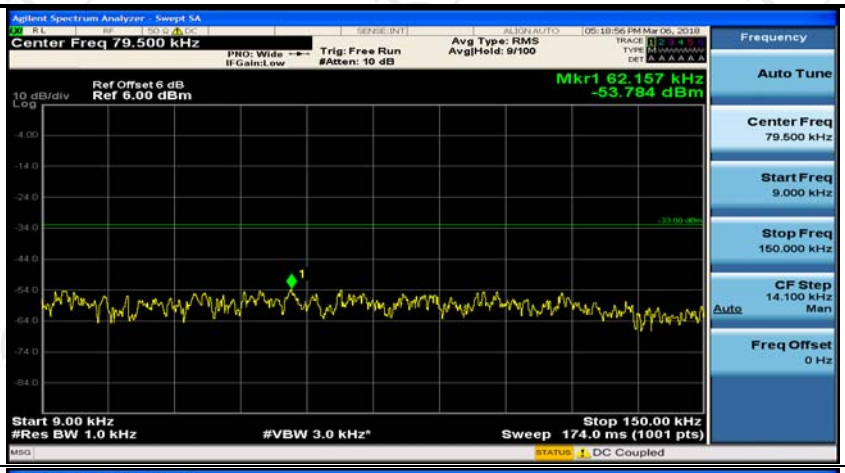
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24

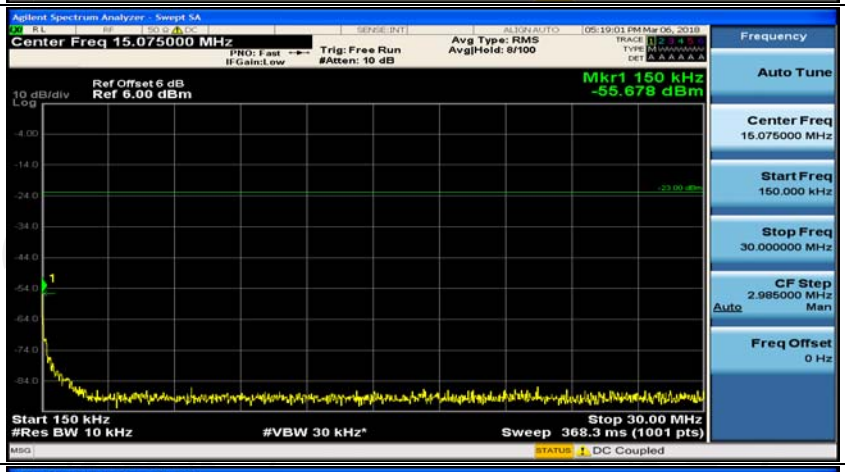

Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 9/100
Ref Offset 6 dB
10 dB/div
Log
Ref 6.00 dBm
Mkr1 48.903 kHz
-53.496 dBm
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.0 ms (1001 pts)
DC 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: 10 dB
Avg Type: RMS
Avg|Hold: 8/100
Ref Offset 6 dB
10 dB/div
Log
Ref 6.00 dBm
Mkr1 150 kHz
-55.165 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 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: 6/100
Ref Offset 6 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr2 24.987 GHz
-28.052 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 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: 5 MHz)_MCH_16QAM_1RB#0 |
| --- |
|  |
|  |
| |
| (Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12 |



(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#24



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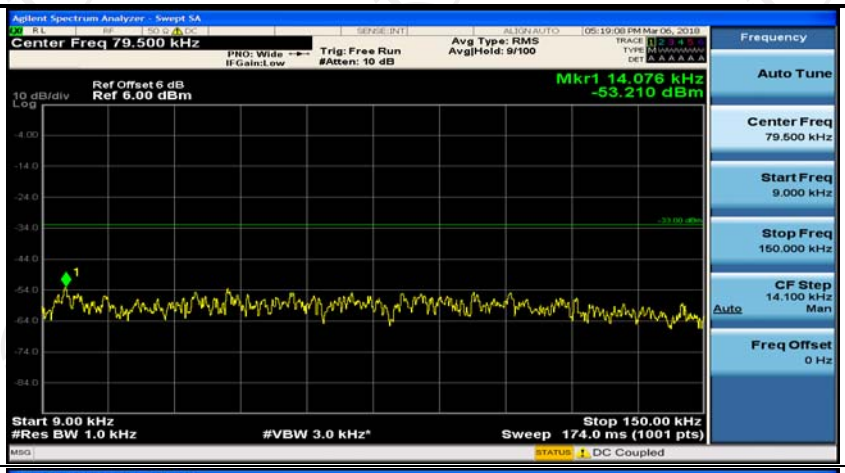
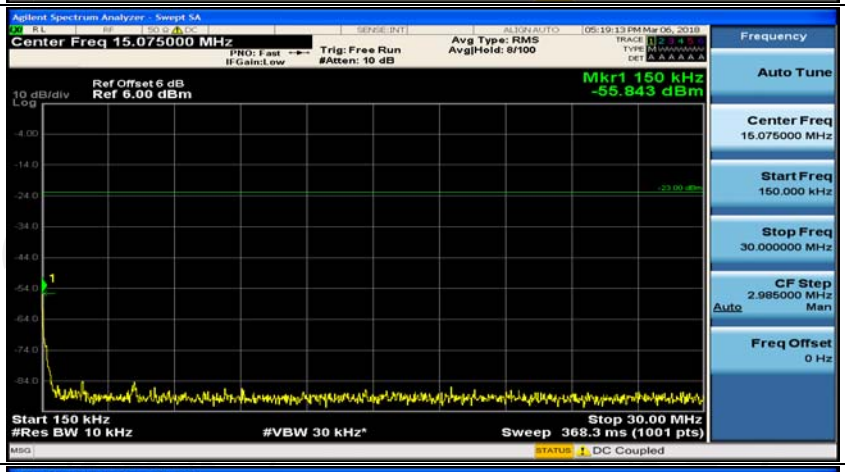
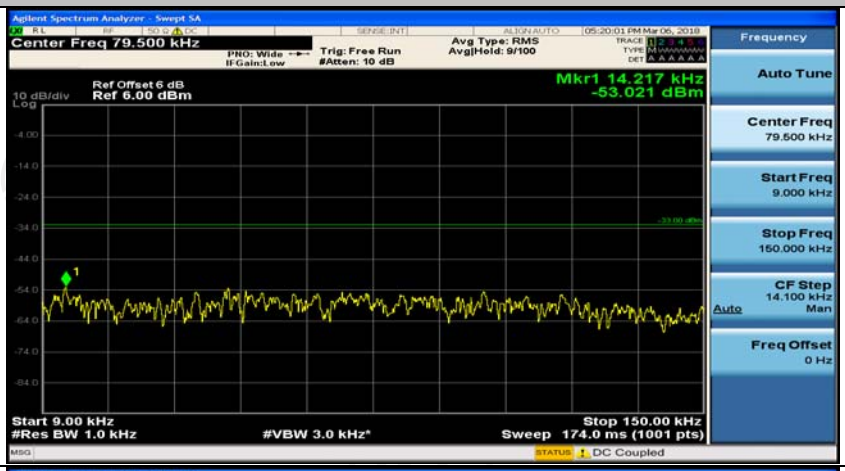
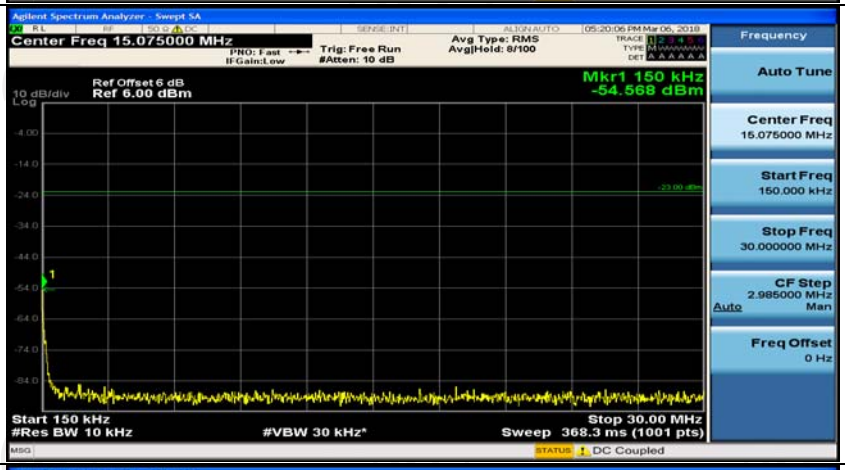

Agilent Spectrum Analyzer - Swept SA
Center Freq 79.500 kHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 9/100
05:19:08 PM Mar 06, 2018
Frequency
Auto Tune
Mkr1 14.076 kHz
-53.210 dBm
Ref Offset 6 dB
10 dB/div
Log
Ref 6.00 dBm
Center Freq
79.500 kHz
Start Freq
9.000 kHz
Stop Freq
150.000 kHz
CF Step
14.100 kHz
Auto
Man
Freq Offset
0 Hz
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.0 ms (1001 pts)
DC Coupled


Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 8/100
05:19:13 PM Mar 06, 2018
Frequency
Auto Tune
Mkr1 150 kHz
-55.843 dBm
Ref Offset 6 dB
10 dB/div
Log
Ref 6.00 dBm
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
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled

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: 6/100
05:19:16 PM Mar 06, 2018
Frequency
Auto Tune
Mkr2 24.987 GHz
-27.976 dBm
Ref Offset 6 dB
10 dB/div
Log
Ref 30.00 dBm
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
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)

| (Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0 |
| --- |
|  |
|  |
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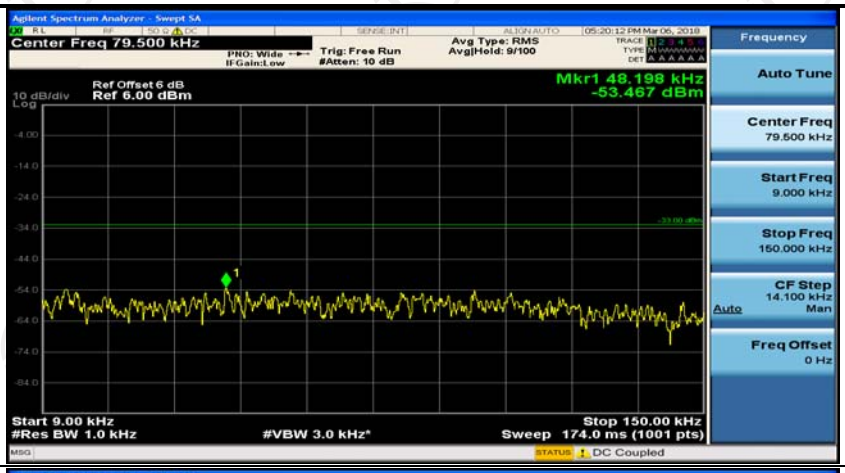
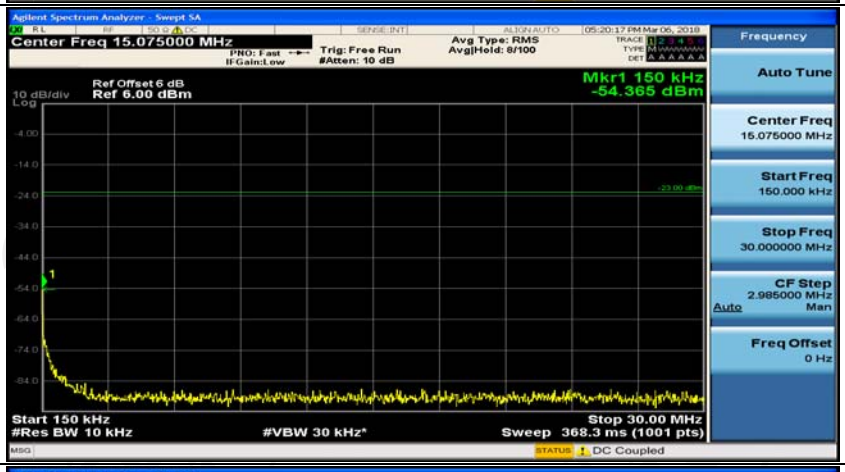
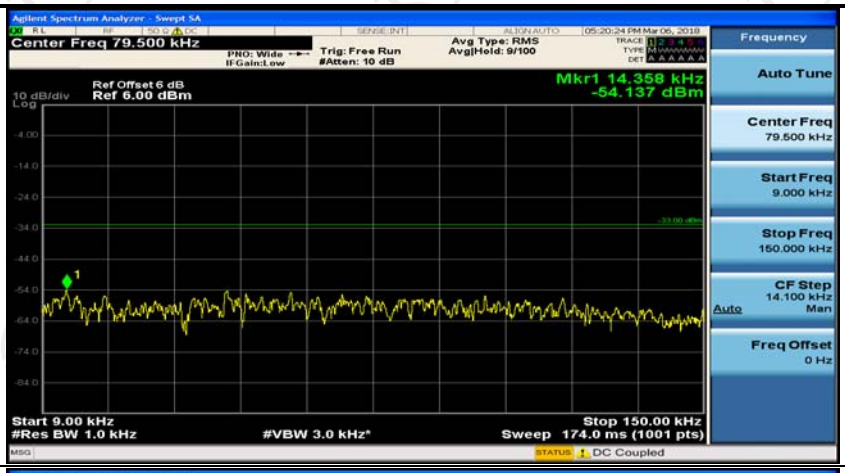
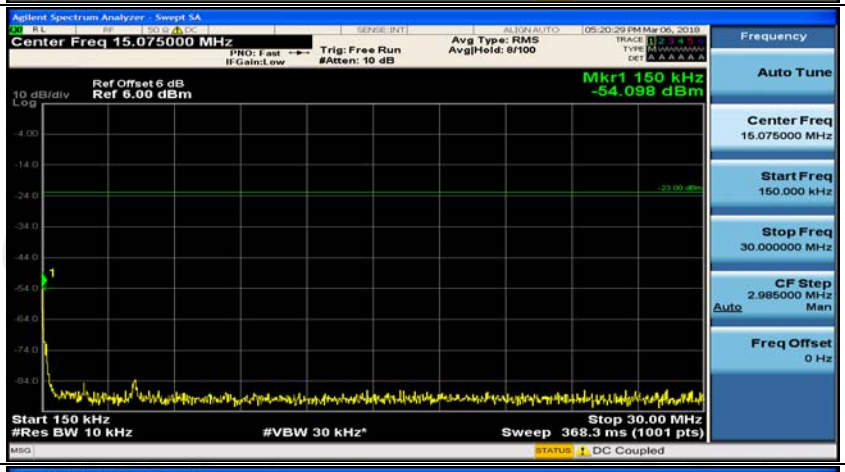
| (Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12 |



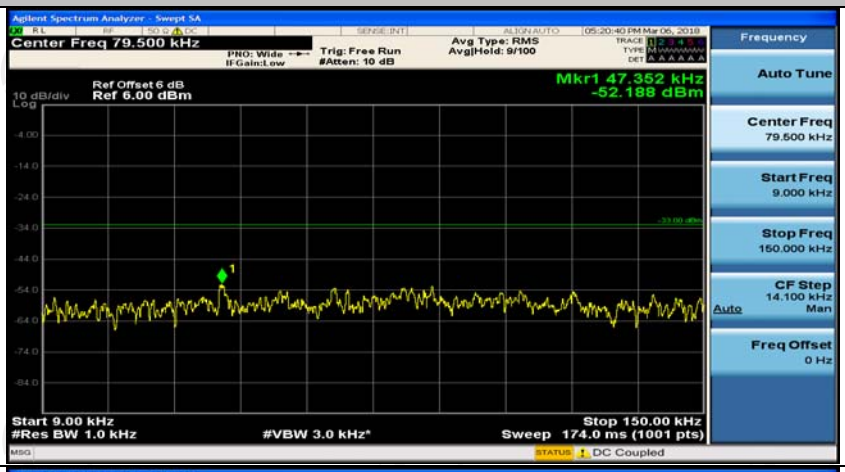
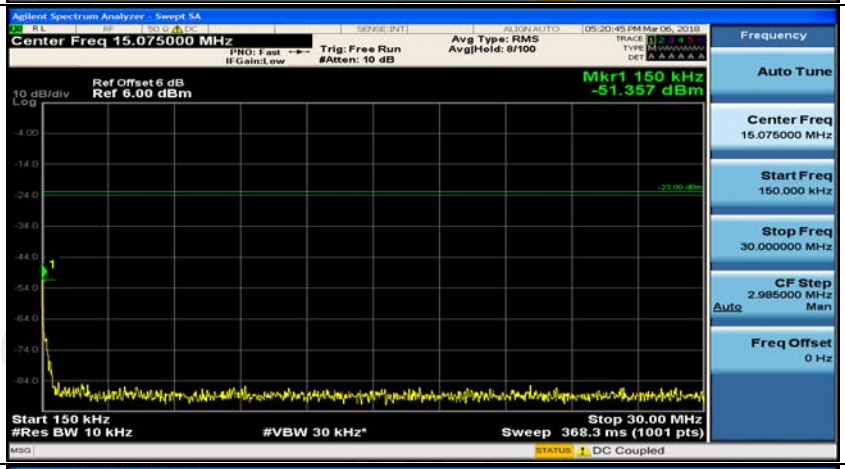
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#24


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: 9/100
05:20:24 PM Mar 06, 2018
Frequency
Auto Tune
Ref Offset 6 dB
10 dB/div
Log
Ref 6.00 dBm
Mkr1 14.358 kHz
-54.137 dBm
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
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.0 ms (1001 pts)
DC Coupled


Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 10 dB
Avg Type: RMS
Avg|Hold: 8/100
05:20:29 PM Mar 06, 2018
Frequency
Auto Tune
Ref Offset 6 dB
10 dB/div
Log
Ref 6.00 dBm
Mkr1 150 kHz
-54.098 dBm
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
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 pts)
DC Coupled

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: 6/100
05:20:33 PM Mar 06, 2018
Frequency
Auto Tune
Ref Offset 6 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr2 24.987 GHz
-28.374 dBm
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
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 pts)

## Channel Bandwidth: 10 MHz

| Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0 |
| --- |
|  |
|  |
| |
| Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#24 |





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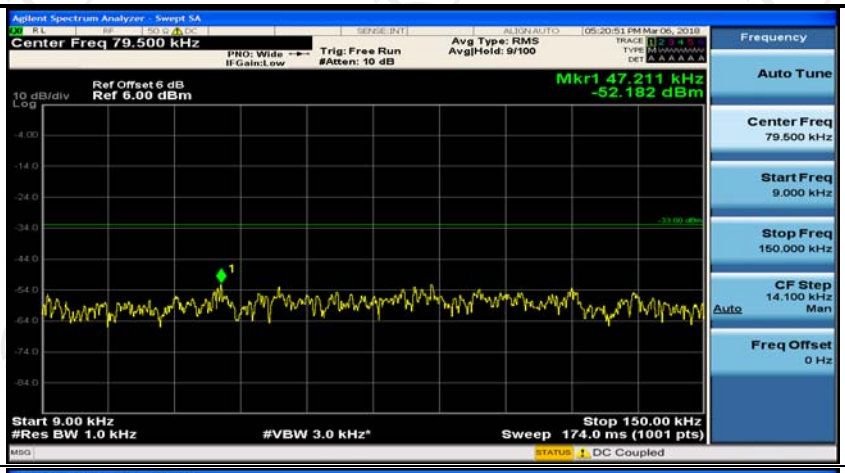
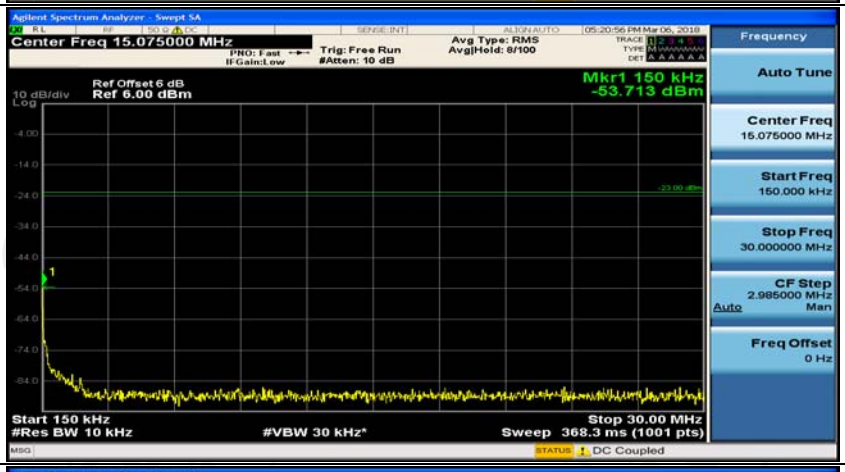
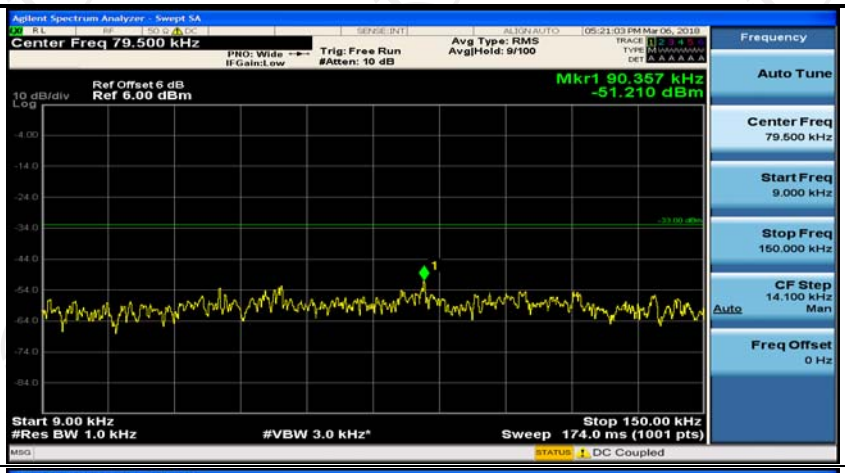
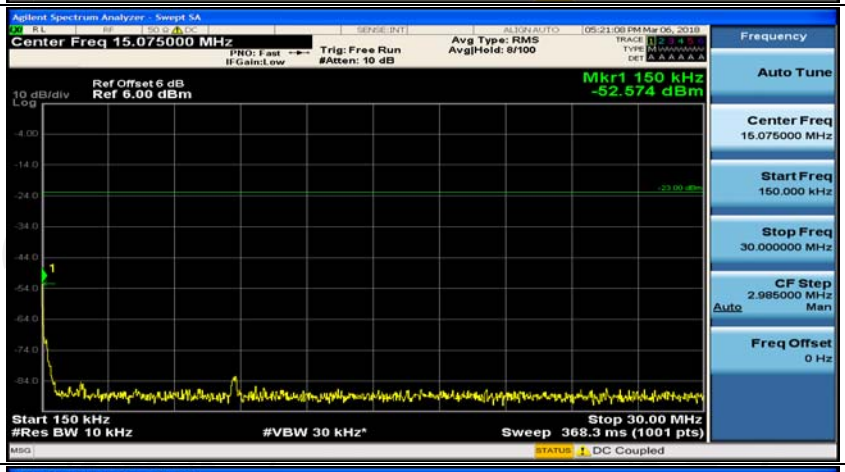


Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#49



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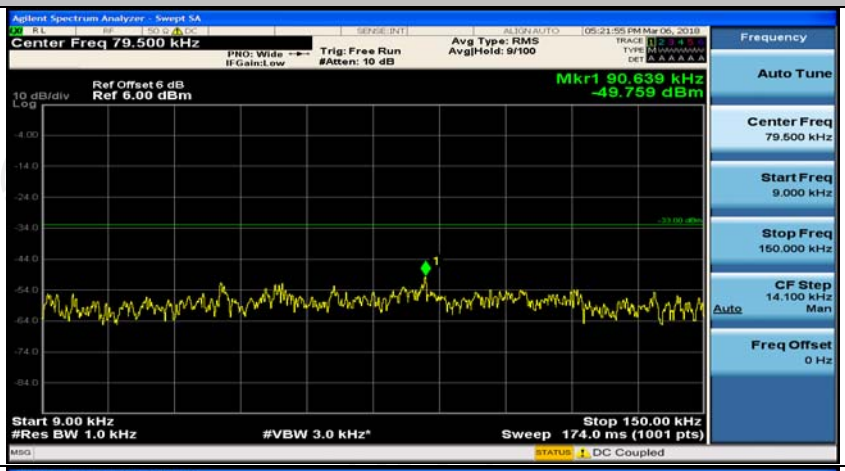
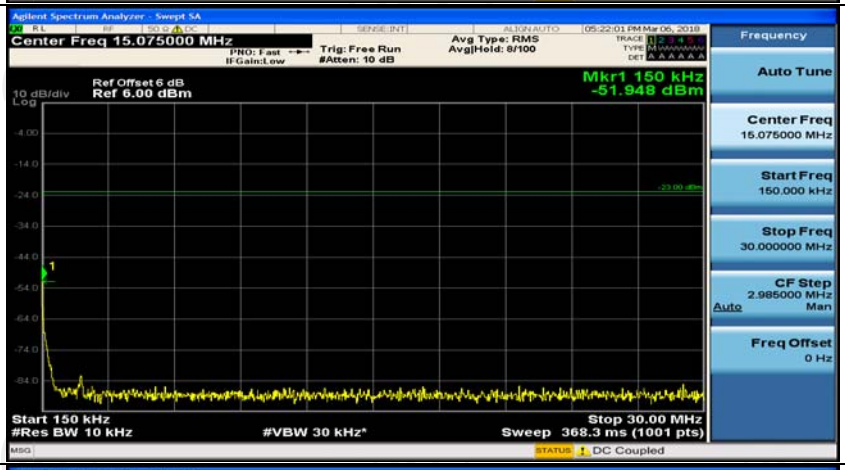
| Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0 |
| --- |
|  |
|  |
| |
| Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24 |





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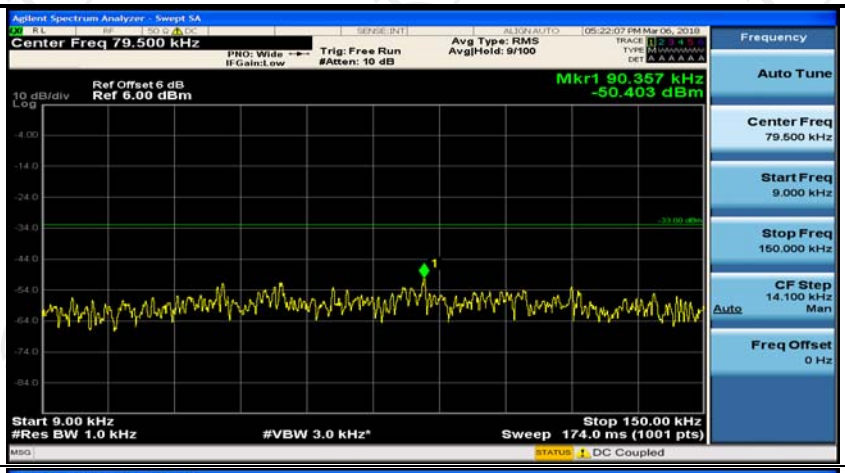
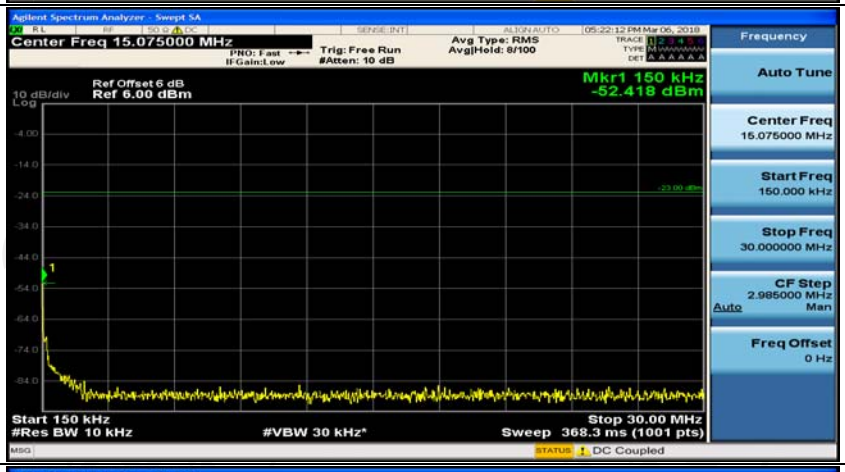
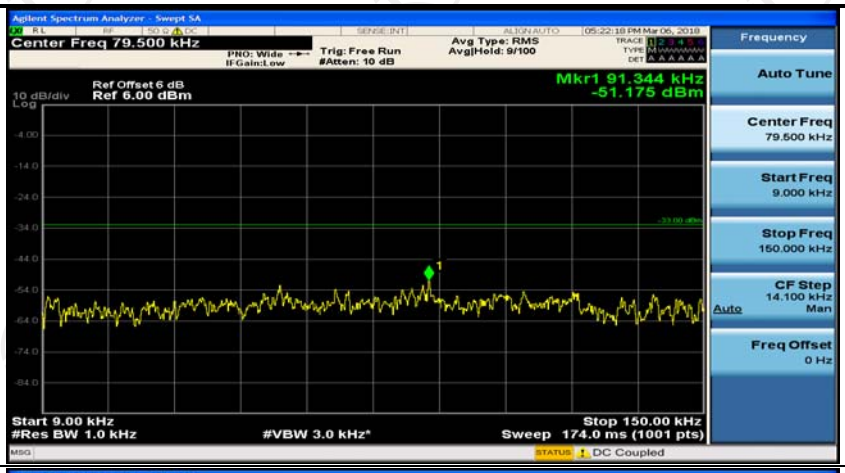
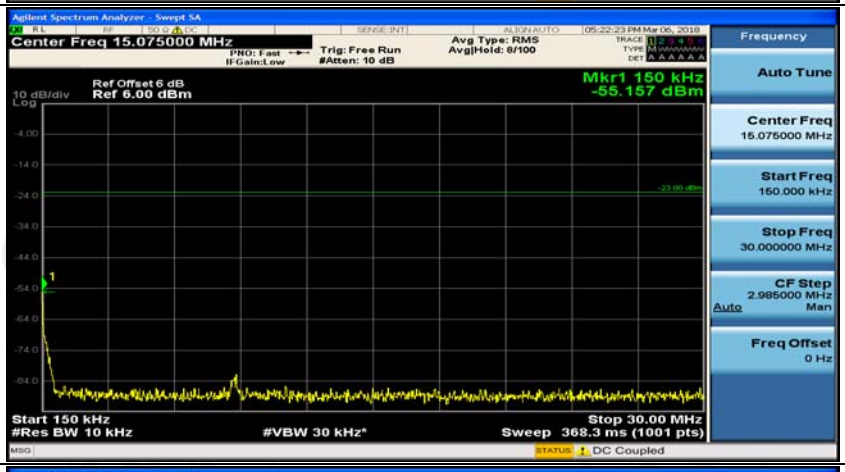


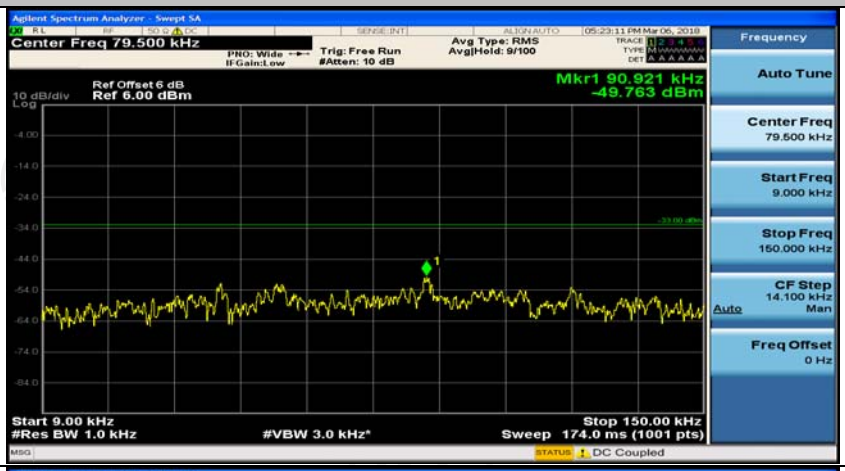
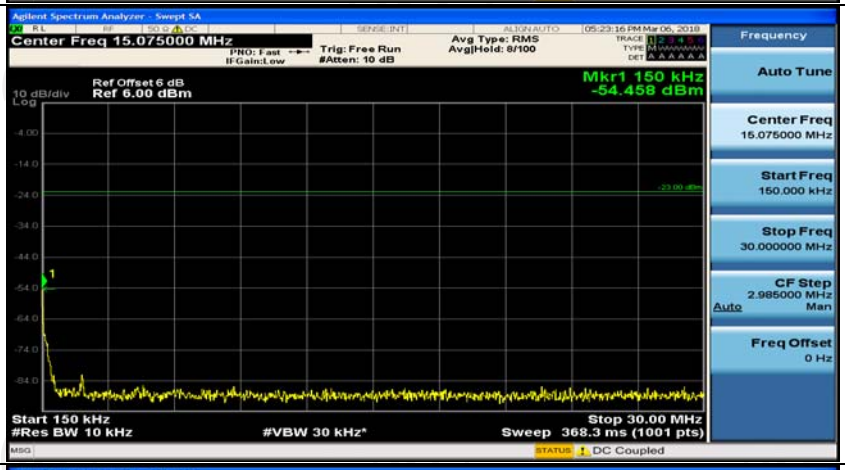



Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#49


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: 9/100
Ref Offset 6 dB
10 dB/div
Log
Ref 6.00 dBm
Mkr1 91.344 kHz
-51.175 dBm
Start 9.00 kHz
#Res BW 1.0 kHz
#VBW 3.0 kHz*
Stop 150.00 kHz
Sweep 174.0 ms (1001 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: 10 dB
Avg Type: RMS
Avg|Hold: 8/100
Ref Offset 6 dB
10 dB/div
Log
Ref 6.00 dBm
Mkr1 150 kHz
-55.157 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz*
Stop 30.00 MHz
Sweep 368.3 ms (1001 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: 6/100
Ref Offset 6 dB
10 dB/div
Log
Ref 30.00 dBm
Mkr2 25.559 GHz
-28.045 dBm
Start 30 MHz
#Res BW 1.0 MHz
#VBW 3.0 MHz*
Stop 26.00 GHz
Sweep 64.93 ms (1001 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: 10 MHz_HCH_QPSK_1RB#0 |
| --- |
|  |
|  |
| |
| Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24 |









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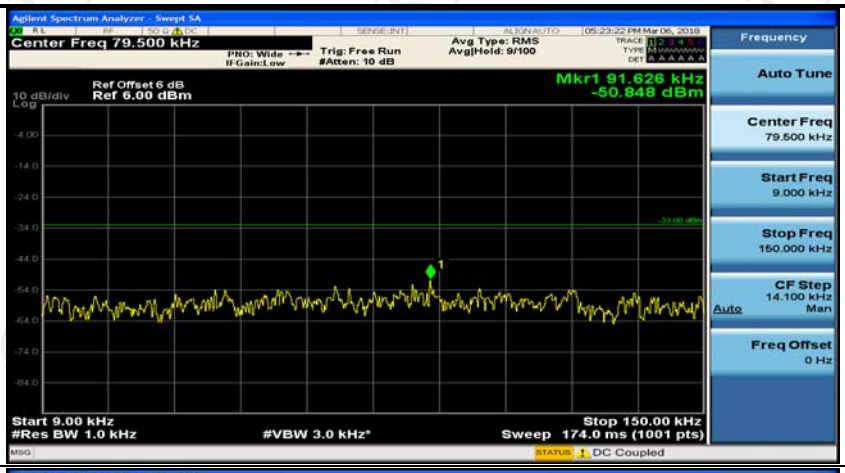
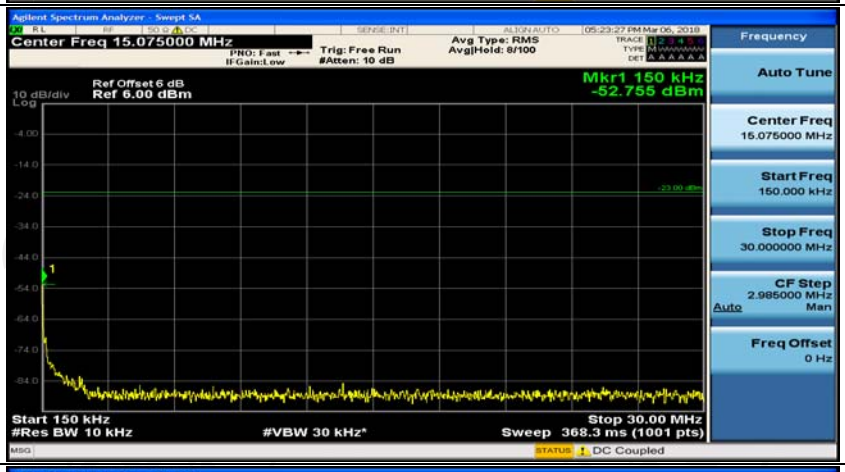
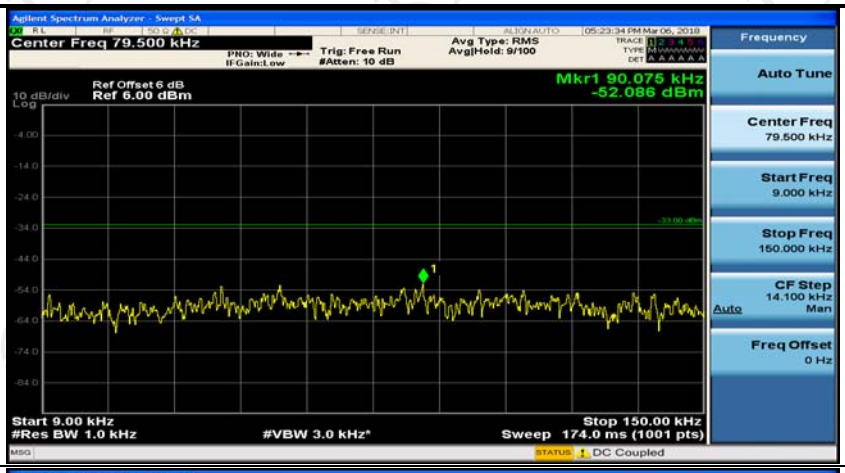
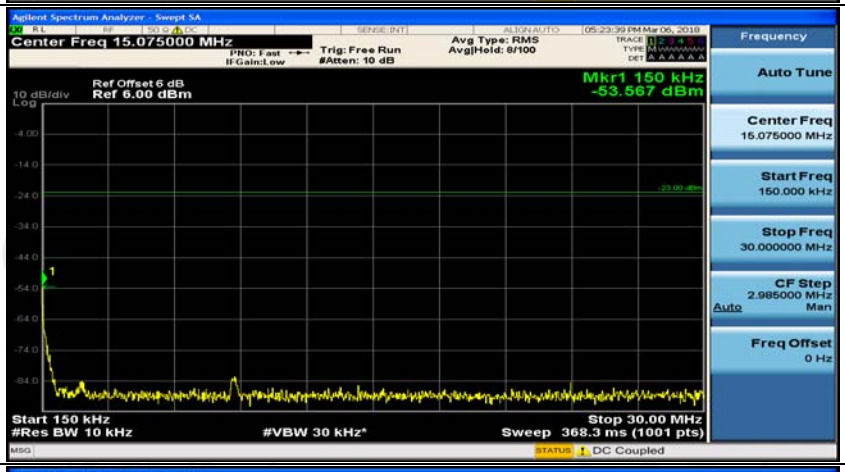


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



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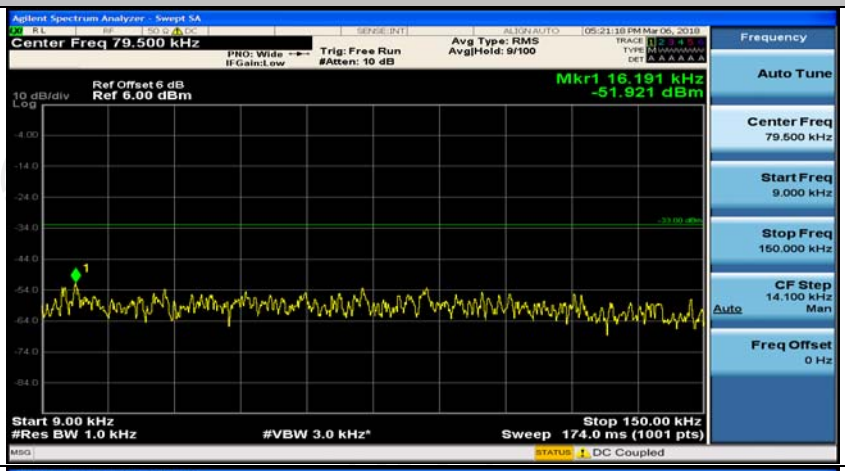
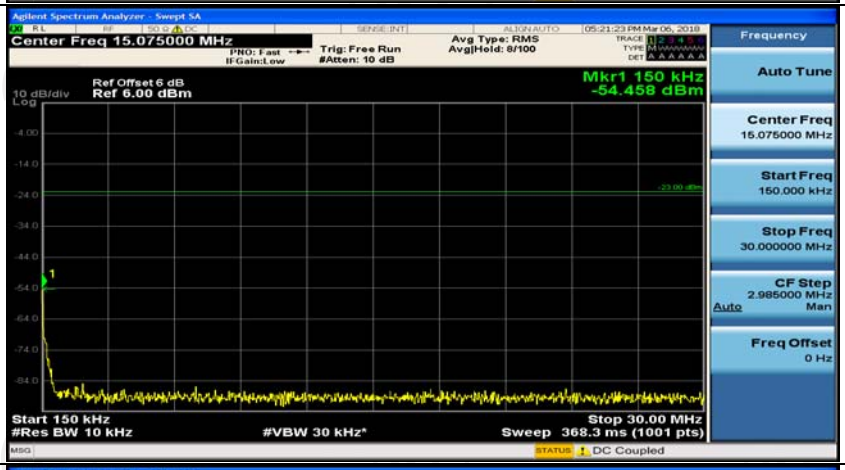
| Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0 |
| --- |
|  |
|  |
| |
| Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24 |





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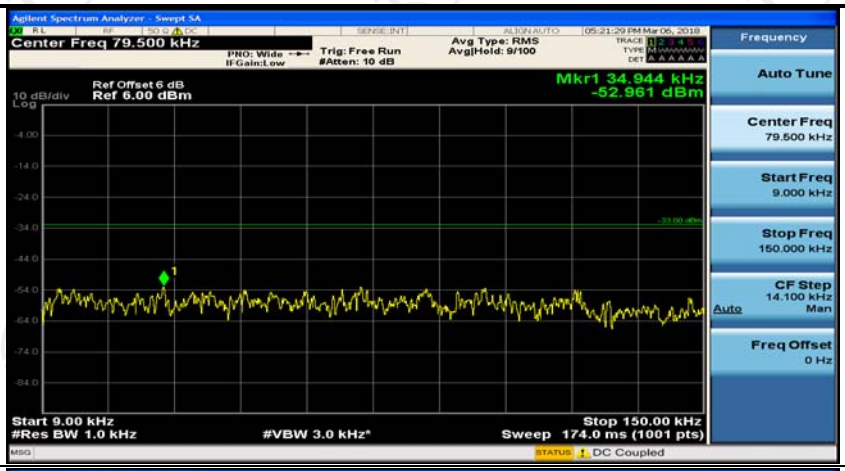


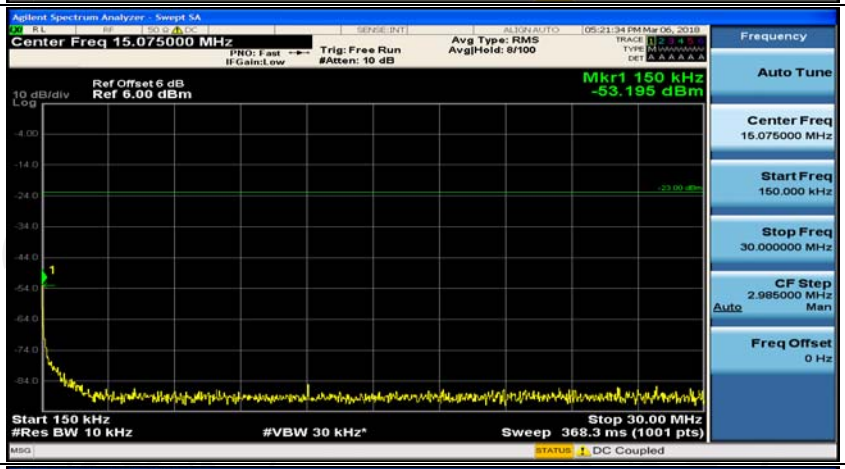

Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49