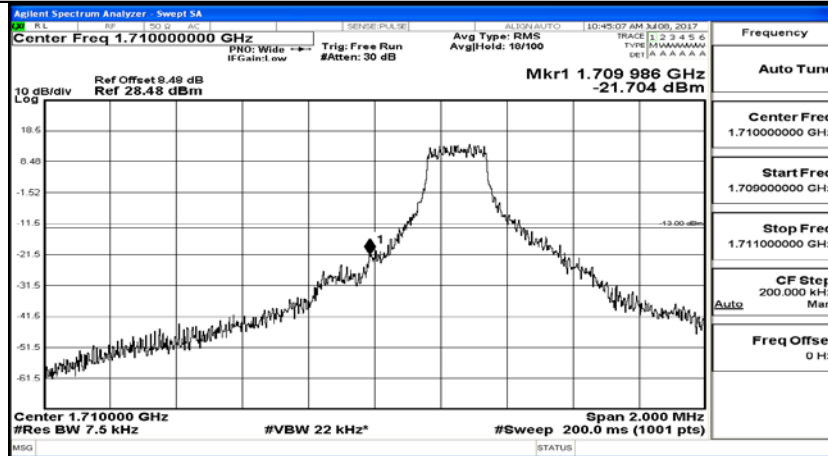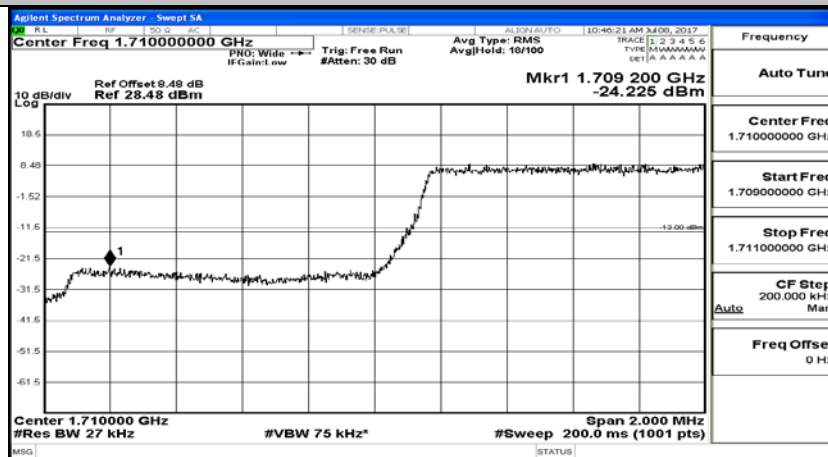## Appendix B.4: Band Edge

Test Graphs

Channel Bandwidth: 1.4 MHz
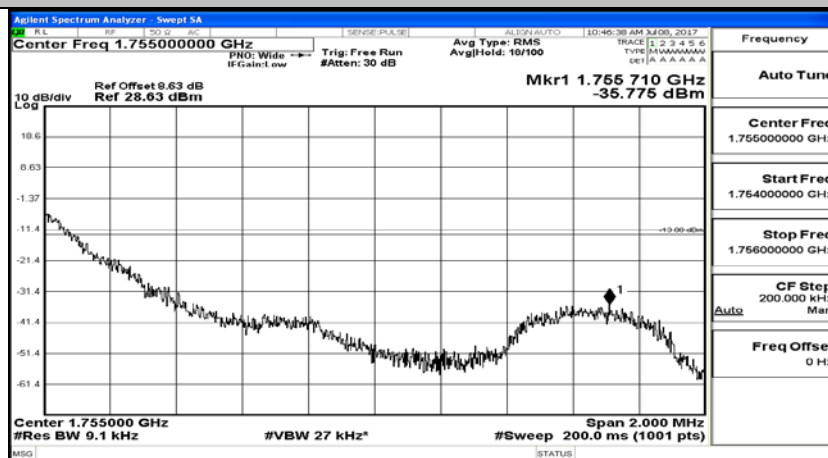
(Channel Bandwidth: 1.4 MHz)_LCH_QPSK_1RB#0

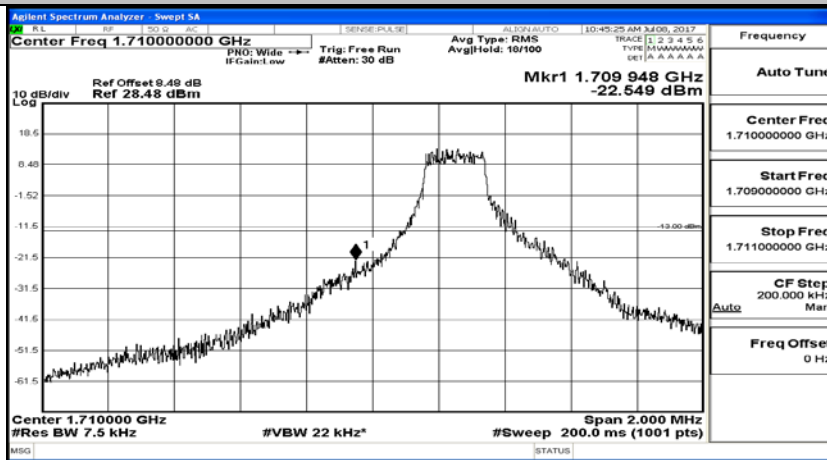| (Channel Bandwidth: 1.4 MHz)_LCH_QPSK_6RB#0 |
| --- |

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 1.4 MHz)_HCH_QPSK_6RB#0

Agilent Spectrum Analyzer - Swept SA
SENSE:PULSE   ALIGN AUTO   10:47:52 AM Jul 08, 2017
Center Freq 1.755000000 GHz
PNO: Wide   Trig: Free Run   Avg Type: RMS   TRACE 1 2 3 4 5 6
IFGain:Low   #Atten: 30 dB   AvgHold: 10/100   TYPE M W W W W W
DET A A A A A A
Ref Offset 9.63 dB
10 dB/div   Ref 28.63 dBm
Mkr1 1.755 044 GHz
-14.741 dBm

10.6
8.63
-1.37
-11.4   -10.00 dBm   1
-21.4
-31.4
-41.4
-51.4
-61.4

Center 1.755000 GHz   Span 2.000 MHz
#Res BW 33 kHz   #VBW 100 kHz*   #Sweep 200.0 ms (1001 pts)
MSG   STATUS

Frequency
Auto Tune
Center Freq 1.755000000 GHz
Start Freq 1.754000000 GHz
Stop Freq 1.756000000 GHz
CF Step 200.000 kHz   Auto   Man
Freq Offset 0 Hz

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_1RB#0

Agilent Spectrum Analyzer - Swept SA
SENSE:PULSE   ALIGN AUTO   10:45:25 AM Jul 08, 2017
Center Freq 1.710000000 GHz
PNO: Wide   Trig: Free Run   Avg Type: RMS   TRACE 1 2 3 4 5 6
IFGain:Low   #Atten: 30 dB   AvgHold: 10/100   TYPE M W W W W W
DET A A A A A A
Ref Offset 8.48 dB
10 dB/div   Ref 28.48 dBm
Mkr1 1.709 948 GHz
-22.549 dBm

10.6
8.48
-1.52
-11.5   -13.00 dBm
-21.5   1
-31.5
-41.6
-51.5
-61.5

Center 1.710000 GHz   Span 2.000 MHz
#Res BW 7.5 kHz   #VBW 22 kHz*   #Sweep 200.0 ms (1001 pts)
MSG   STATUS

Frequency
Auto Tune
Center Freq 1.710000000 GHz
Start Freq 1.709000000 GHz
Stop Freq 1.711000000 GHz
CF Step 200.000 kHz   Auto   Man
Freq Offset 0 Hz

(Channel Bandwidth: 1.4 MHz)_LCH_16QAM_6RB#0

Agilent Spectrum Analyzer - Swept SA
SENSE:PULSE   ALIGN AUTO   10:46:30 AM Jul 08, 2017
Center Freq 1.710000000 GHz
PNO: Wide   Trig: Free Run   Avg Type: RMS   TRACE 1 2 3 4 5 6
IFGain:Low   #Atten: 30 dB   AvgHold: 10/100   TYPE M W W W W W
DET A A A A A A
Ref Offset 9.48 dB
10 dB/div   Ref 28.48 dBm
Mkr1 1.709 776 GHz
-23.353 dBm

10.6
8.48
-1.52
-11.5   -13.00 dBm
-21.5   1
-31.5
-41.6
-51.5
-61.5

Center 1.710000 GHz   Span 2.000 MHz
#Res BW 27 kHz   #VBW 75 kHz*   #Sweep 200.0 ms (1001 pts)
MSG   STATUS

Frequency
Auto Tune
Center Freq 1.710000000 GHz
Start Freq 1.709000000 GHz
Stop Freq 1.711000000 GHz
CF Step 200.000 kHz   Auto   Man
Freq Offset 0 Hz

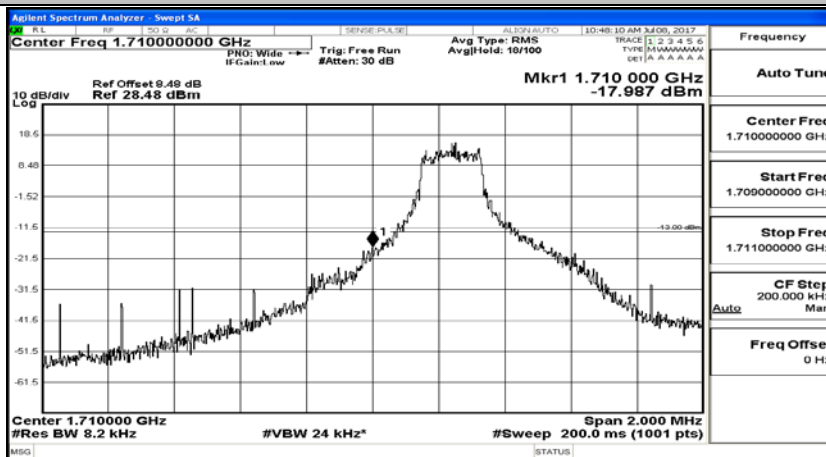| (Channel Bandwidth: 1.4 MHz)_HCH_16QAM_1RB#0 |
|---|

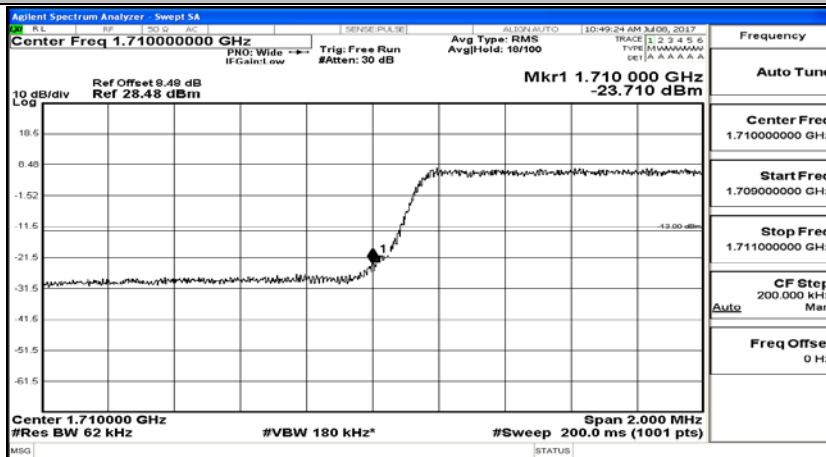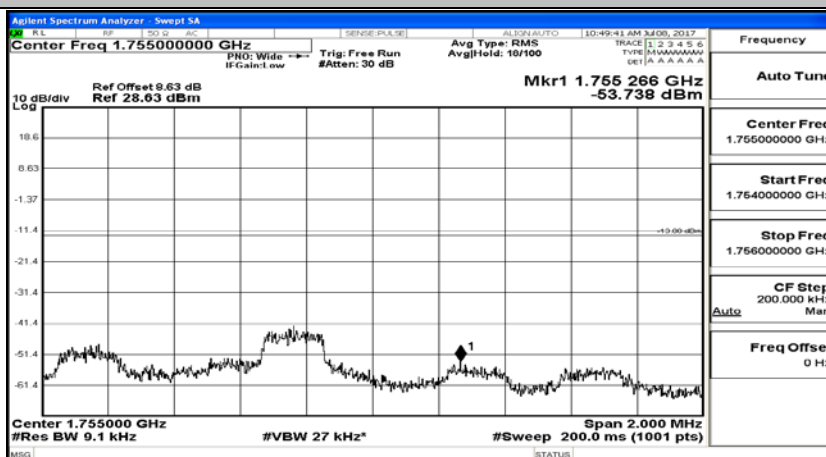| (Channel Bandwidth: 1.4 MHz)_HCH_16QAM_6RB#0 |
|---|
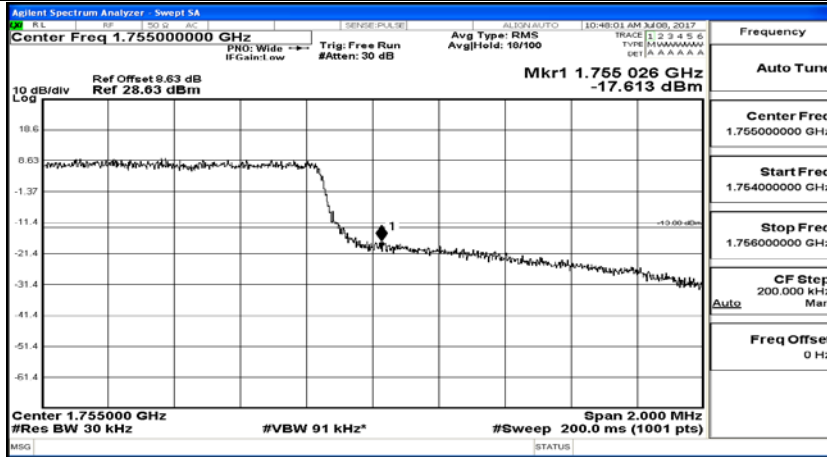
Channel Bandwidth: 3 MHz

(Channel Bandwidth: 3 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth: 3 MHz)_LCH_QPSK_15RB#0

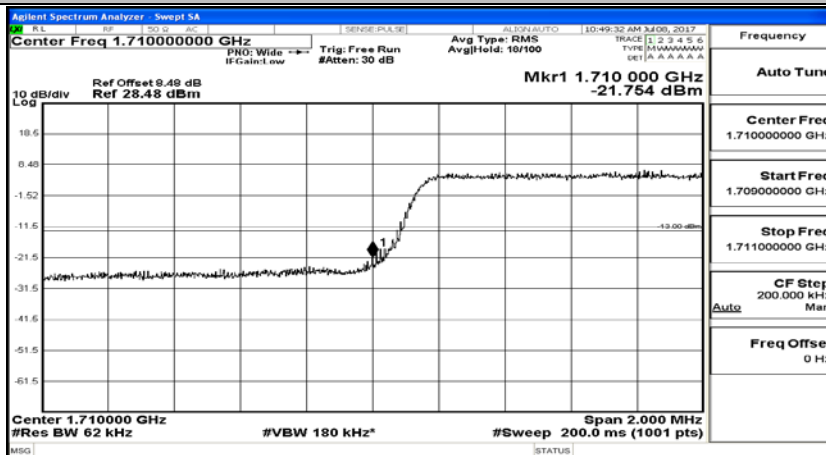| (Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0 |
|---|
| |

(Channel Bandwidth: 3 MHz)_HCH_QPSK_15RB#0
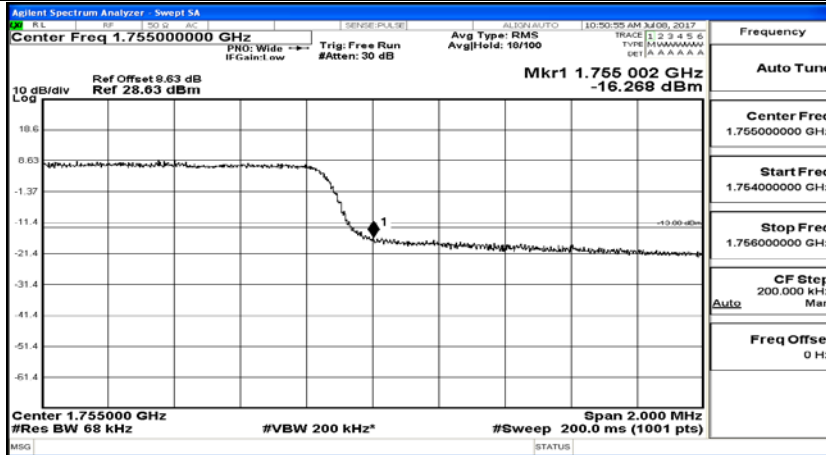
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0
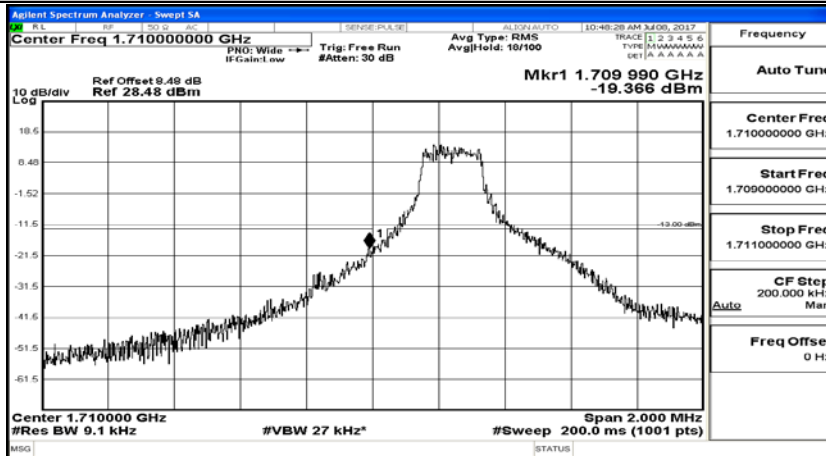
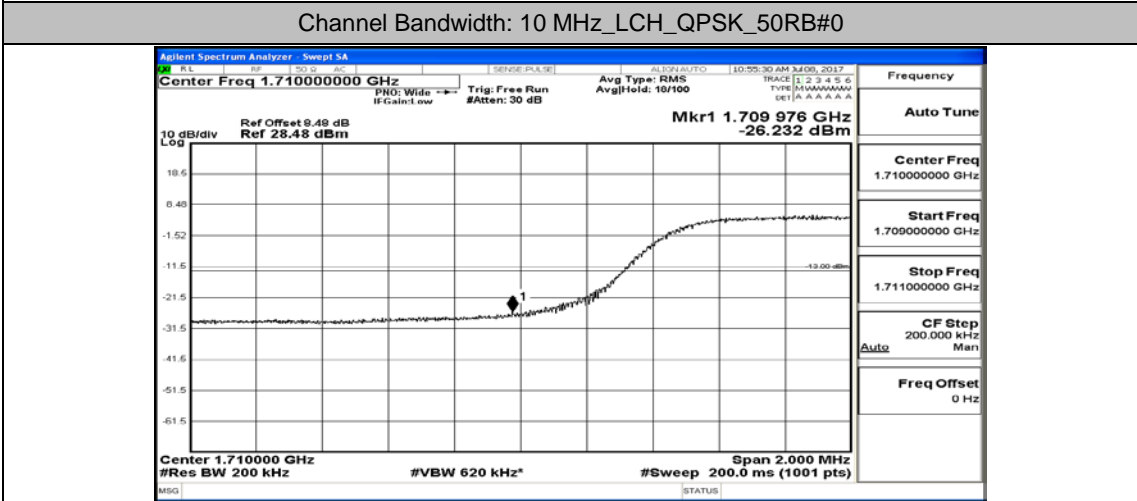| (Channel Bandwidth: 3 MHz)_LCH_16QAM_15RB#0 |
|---|

(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 3 MHz)_HCH_16QAM_15RB#0
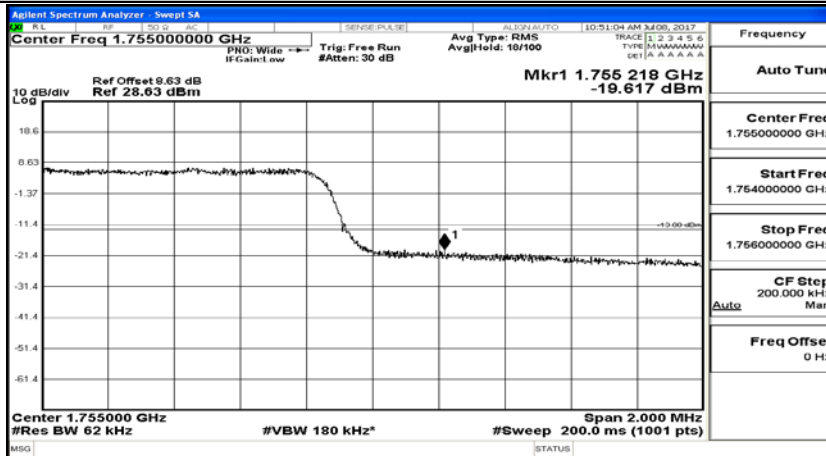
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0
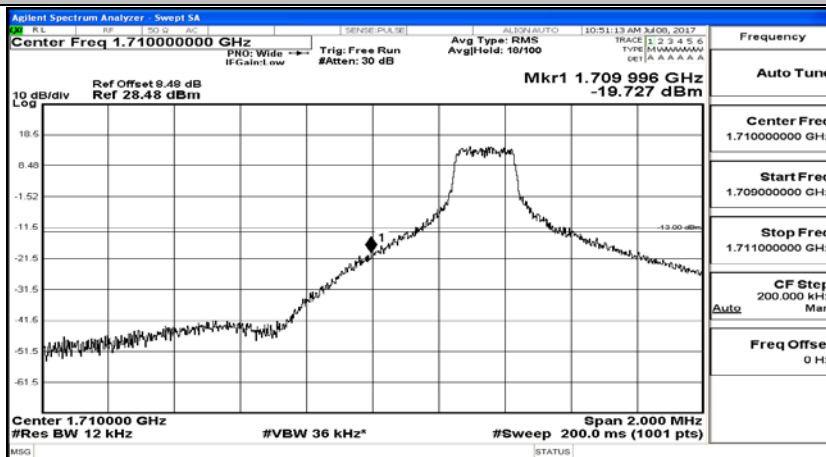
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0
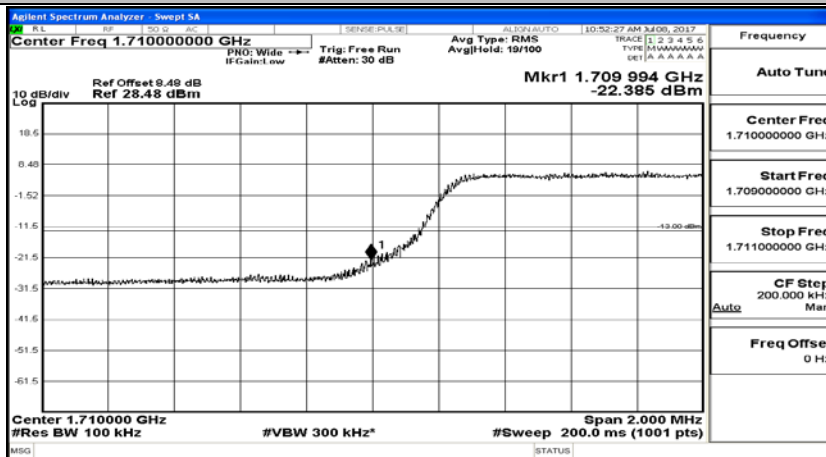
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0
(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0
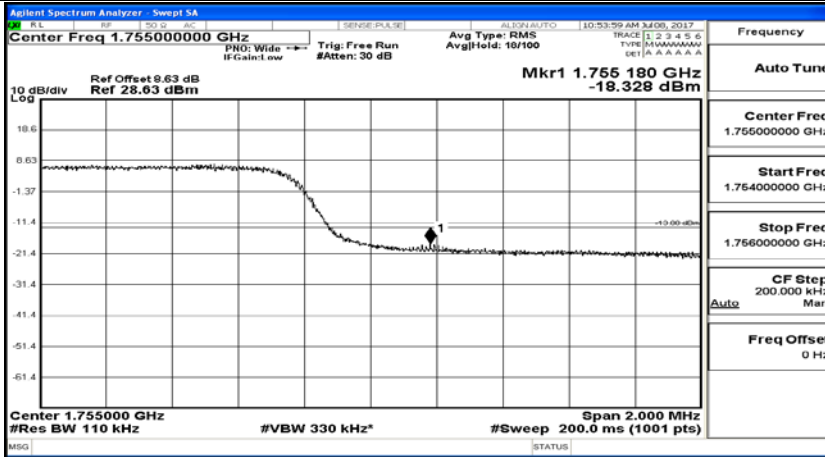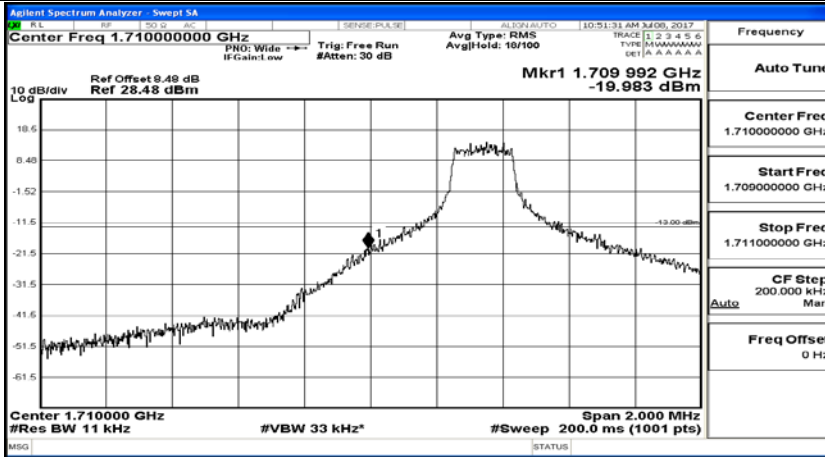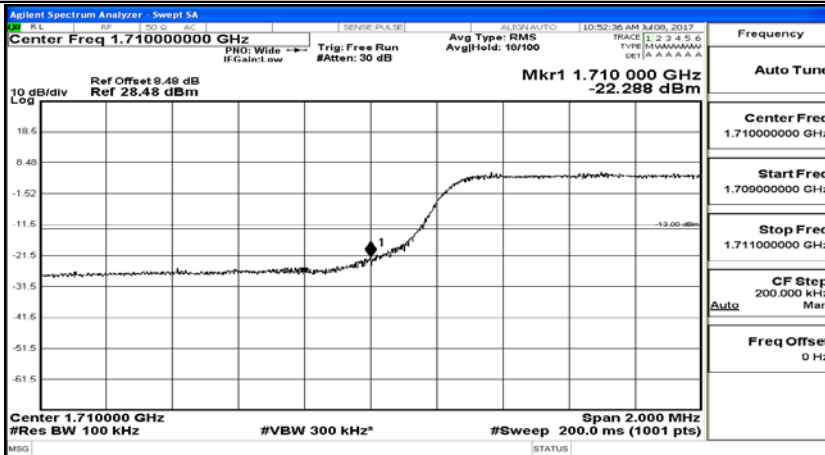
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0
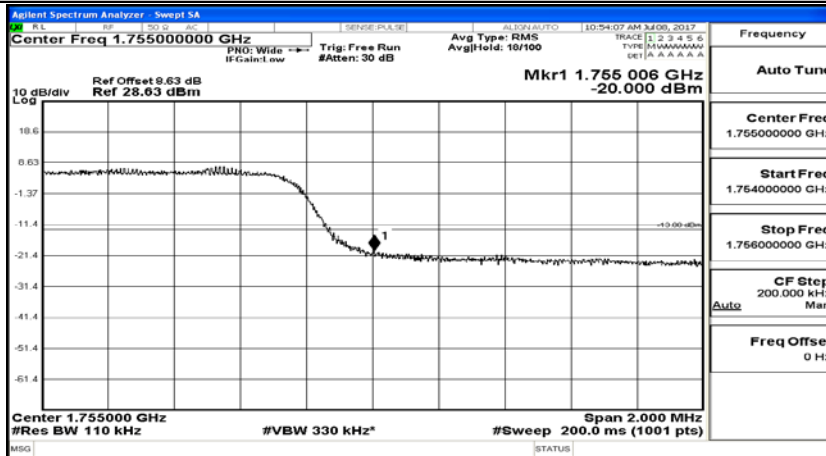
Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0
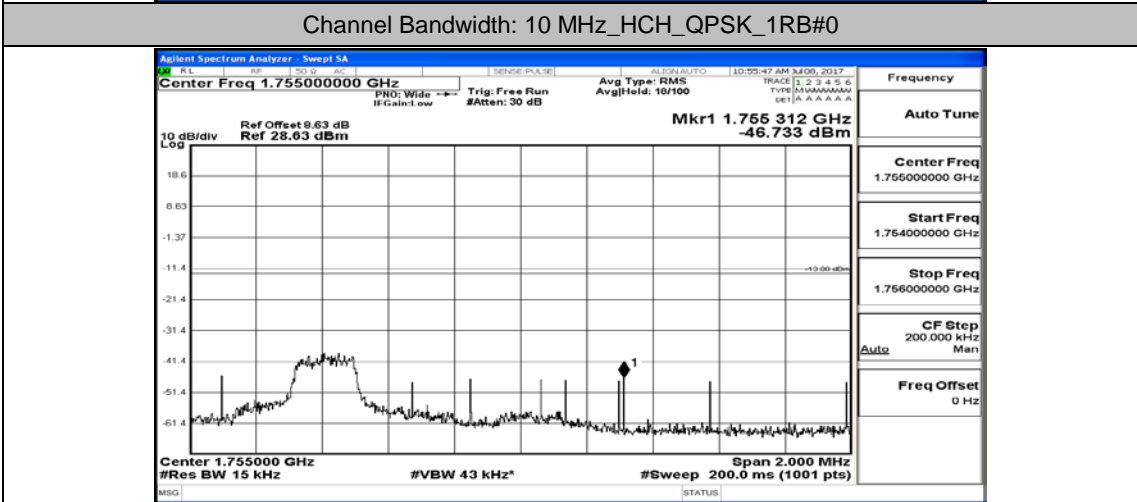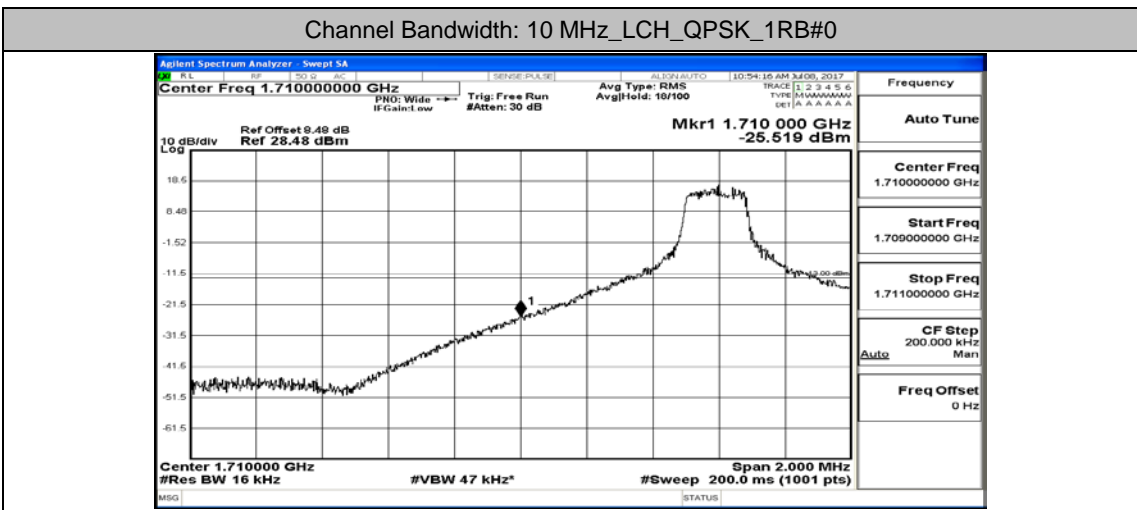
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0
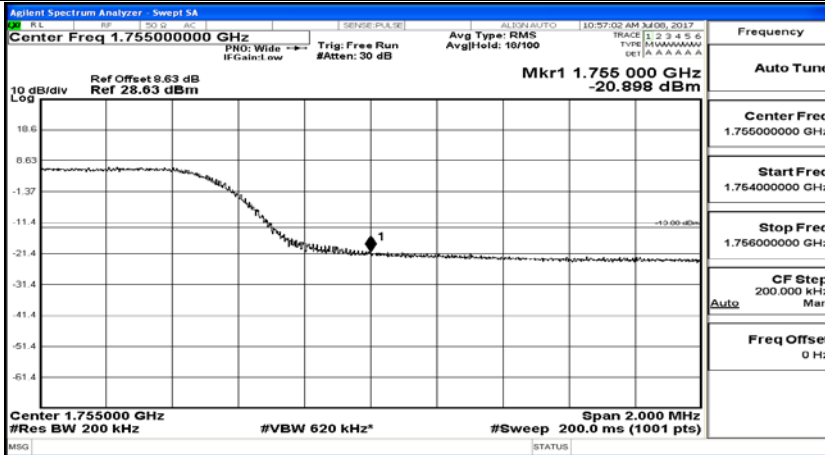
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0
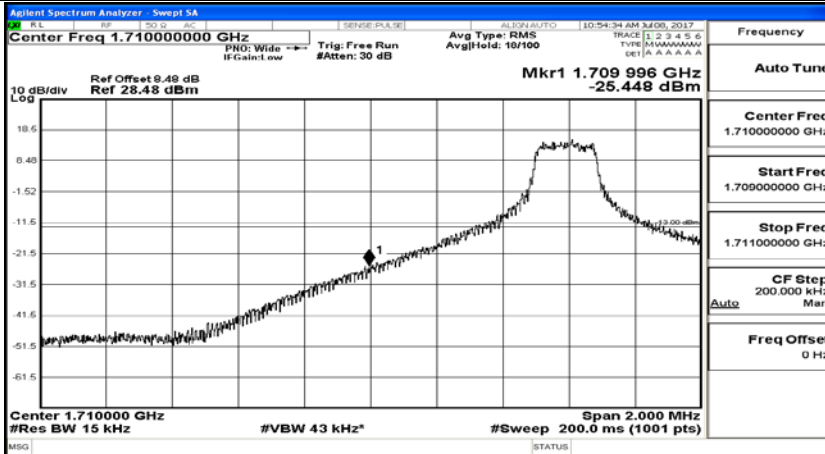
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0
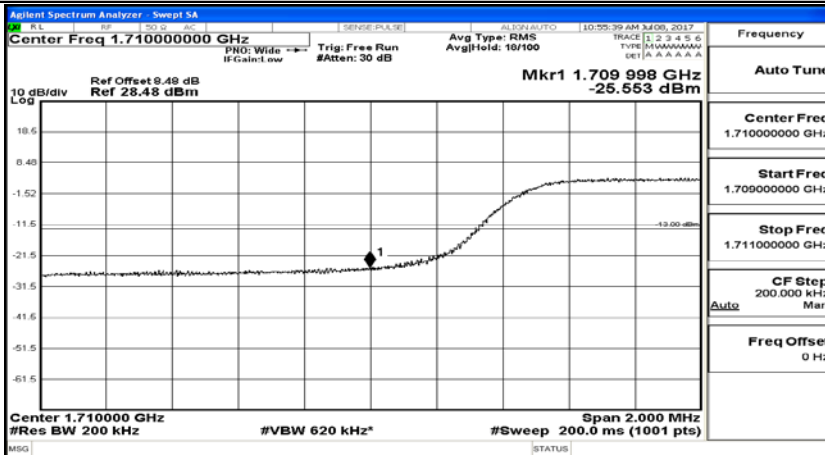
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0
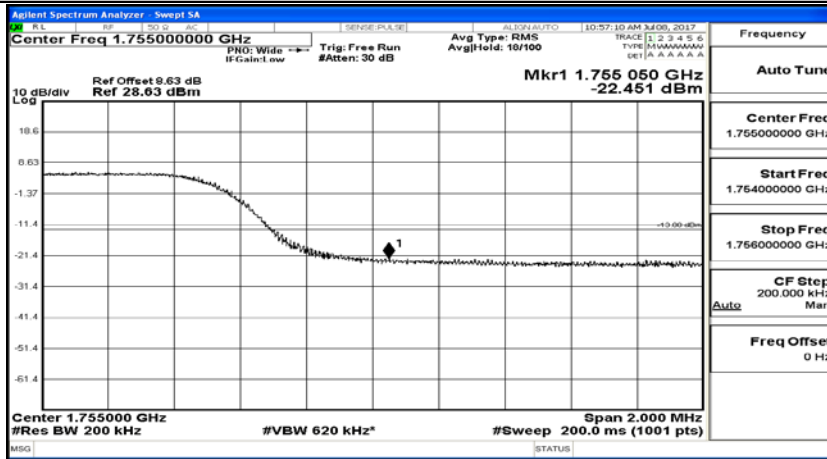
Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0

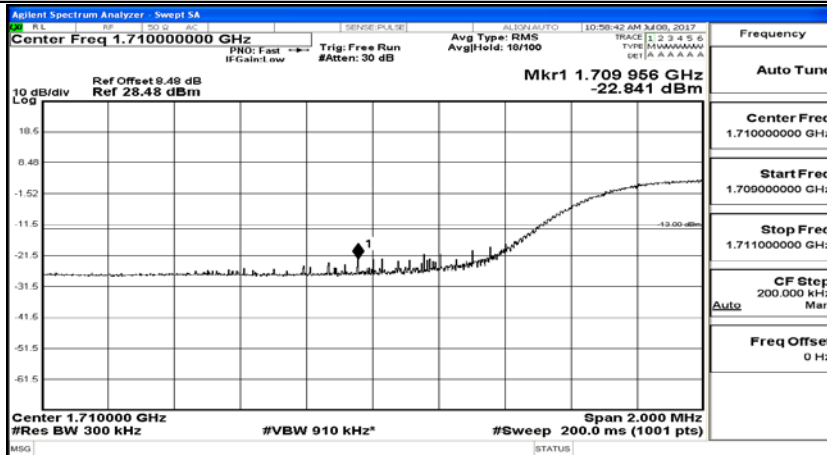| (Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0 |
|---|
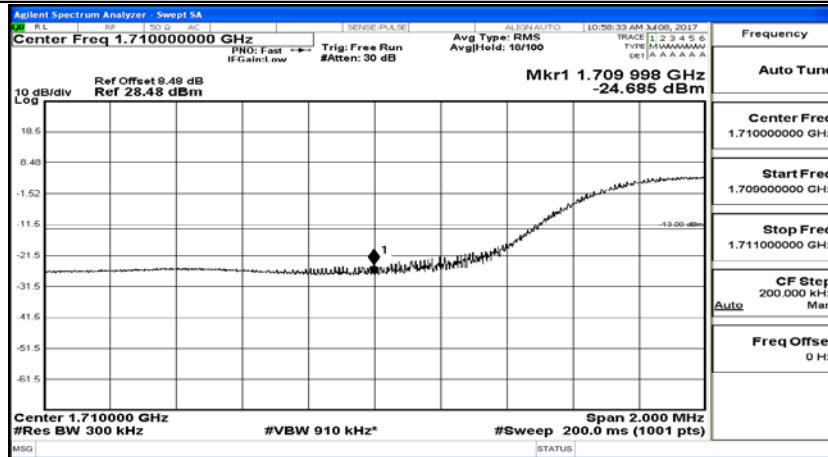
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0
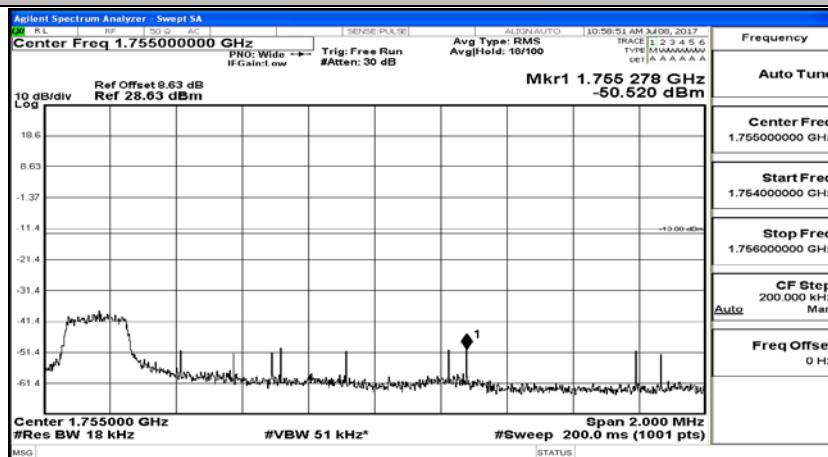
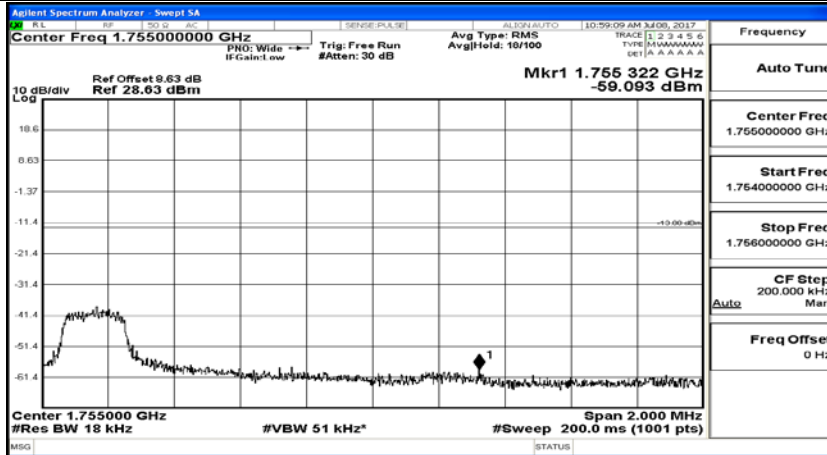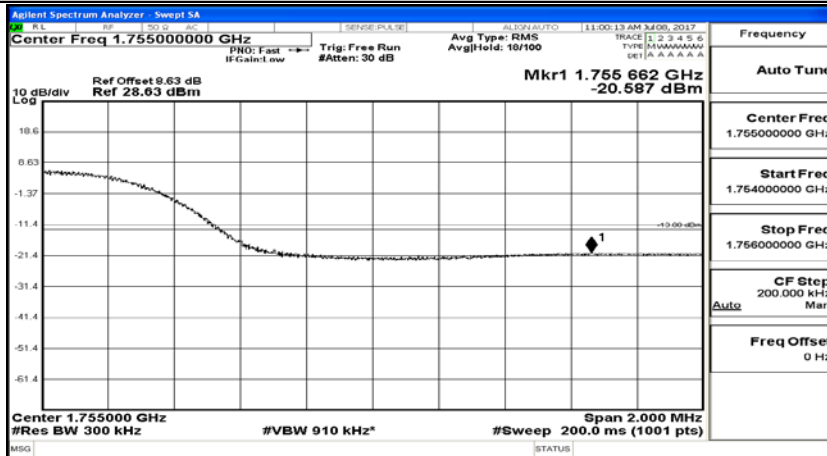| (Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0 |
|---|
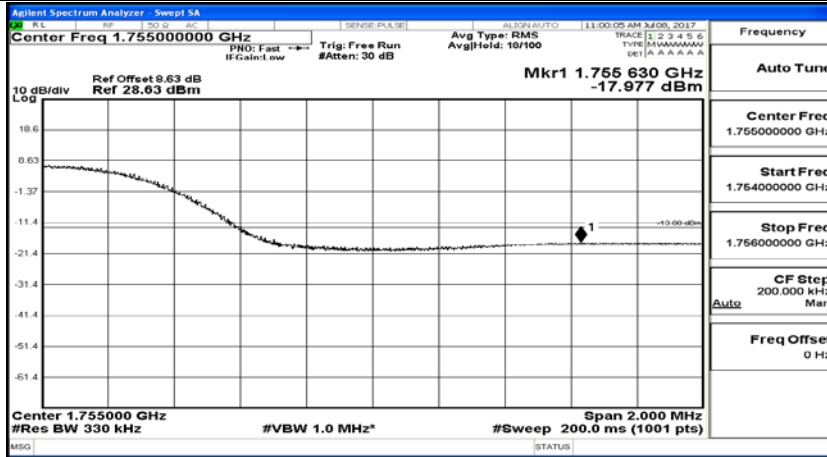
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0

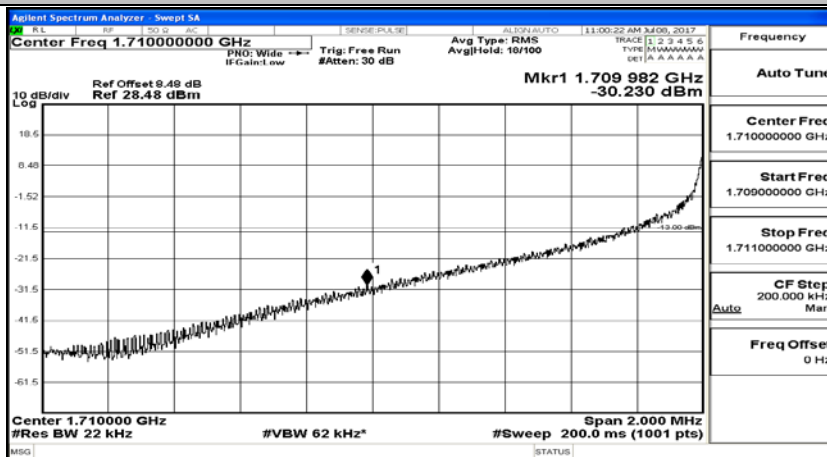| (Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0 |
|---|

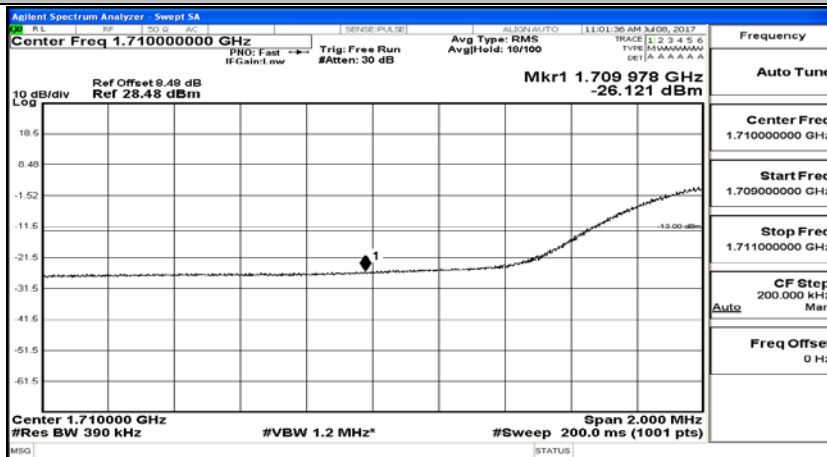| (Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0 |
|---|

Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0

(Channel Bandwidth:20 MHz)_LCH_QPSK_100RB#0

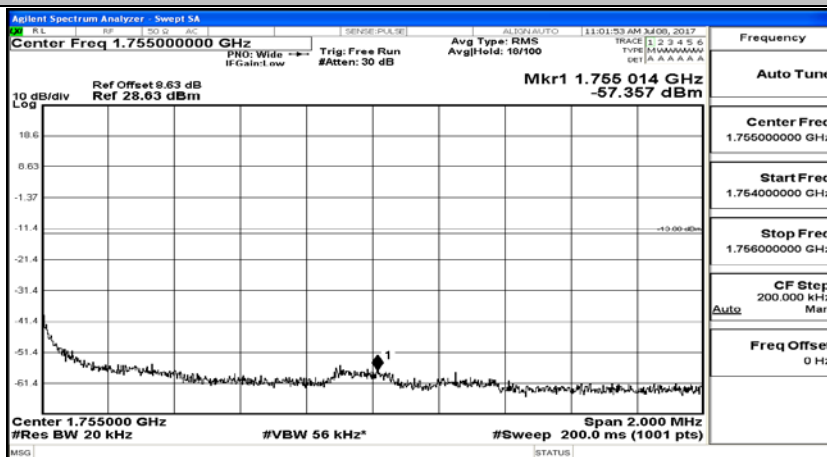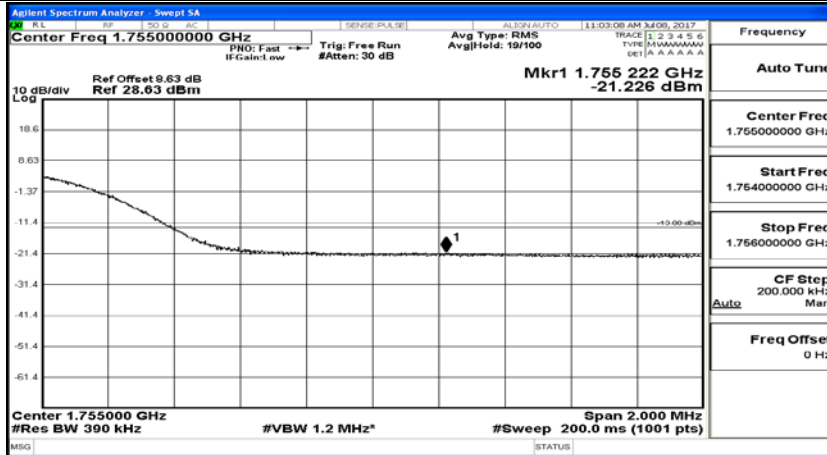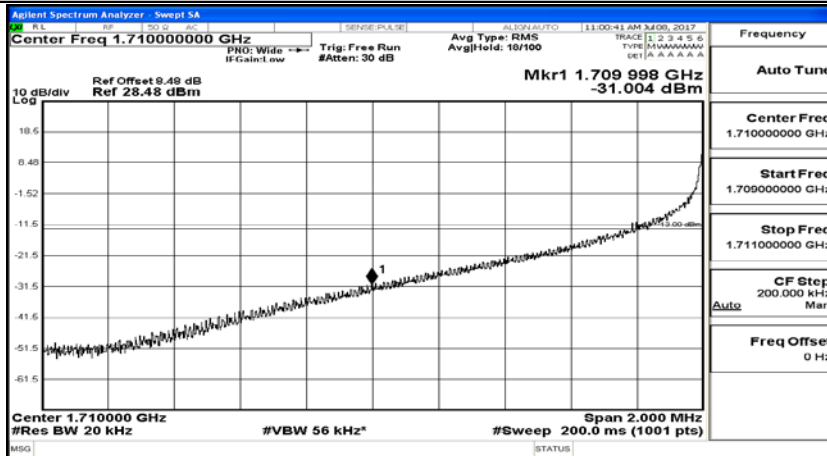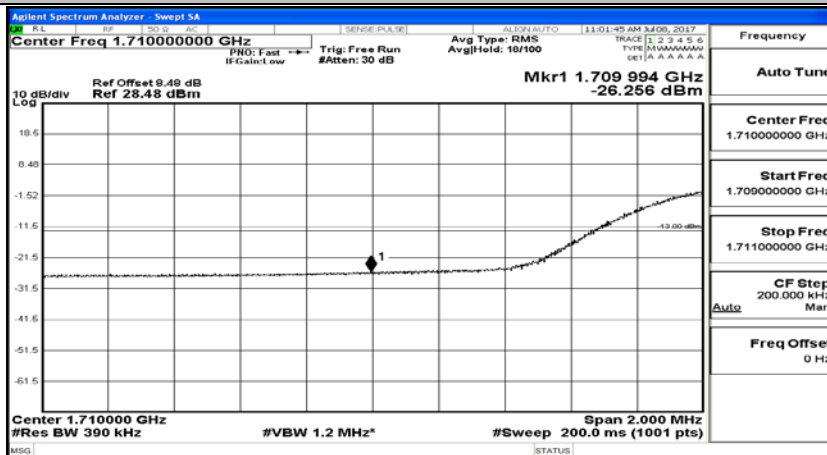| (Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0 |
|---|
| |

(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0

(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0

(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0
(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0