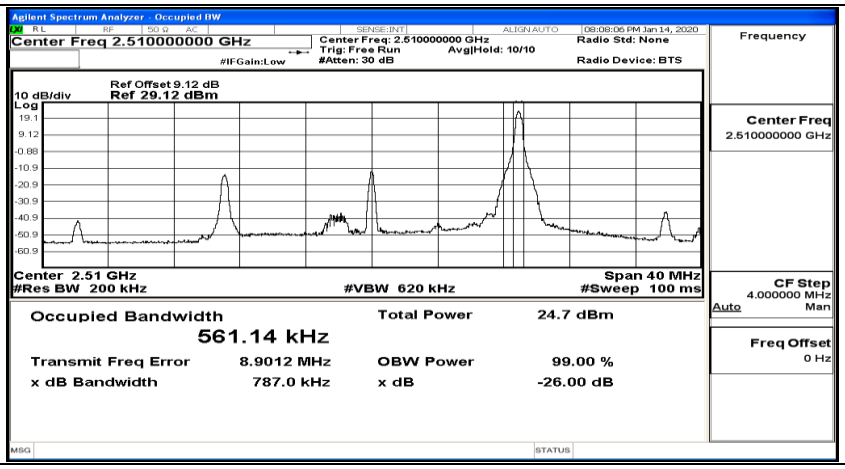
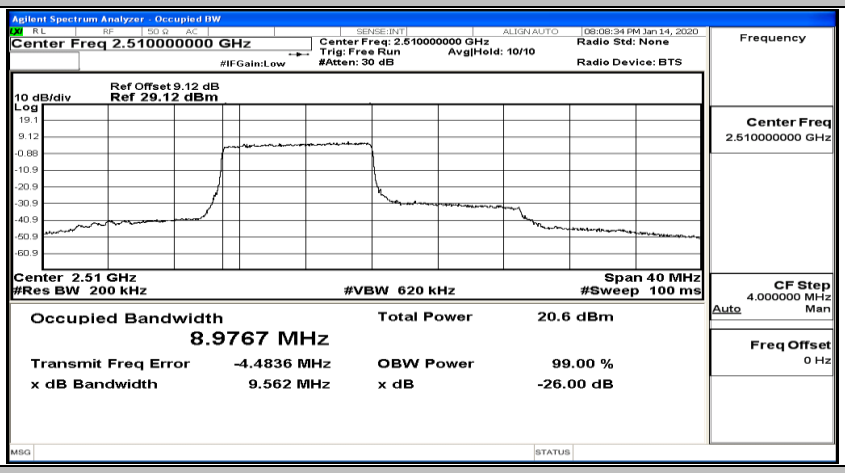
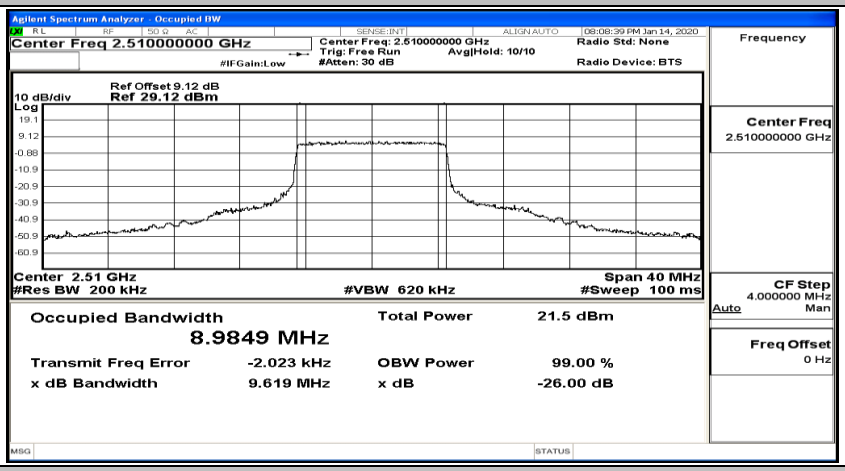

Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.510000000 GHz
Center Freq: 2.510000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
08:08:06 PM Jan 14, 2020
Frequency
Ref Offset 9.12 dB
10 dB/div
Ref 29.12 dBm
Log
Center Freq
2.510000000 GHz
Center 2.51 GHz
#Res BW 200 kHz
#VBW 620 kHz
Span 40 MHz
#Sweep 100 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
561.14 kHz
Total Power
24.7 dBm
Transmit Freq Error
8.9012 MHz
OBW Power
99.00 %
x dB Bandwidth
787.0 kHz
x dB
-26.00 dB
Freq Offset
0 Hz
MSG
STATUS

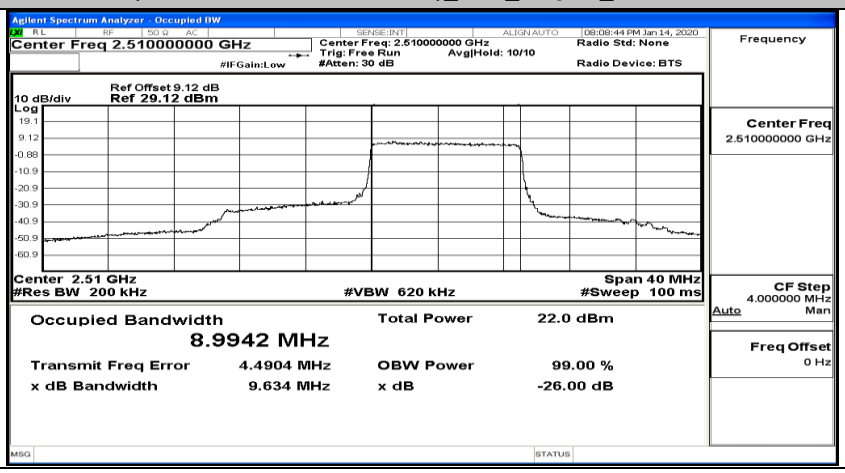
(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#0



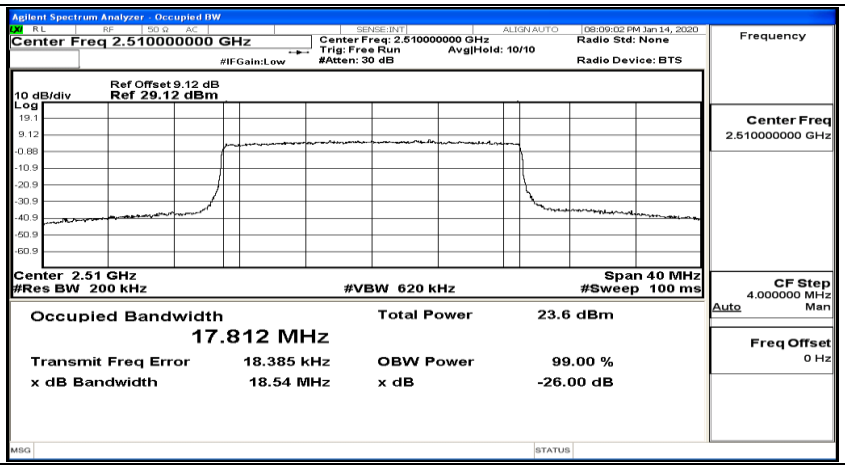
(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#25



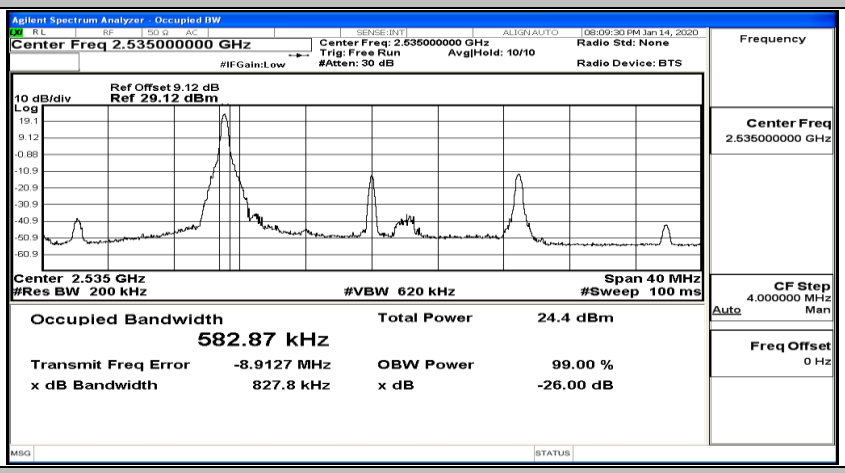
(Channel Bandwidth:20 MHz)_LCH_16QAM_50RB#50



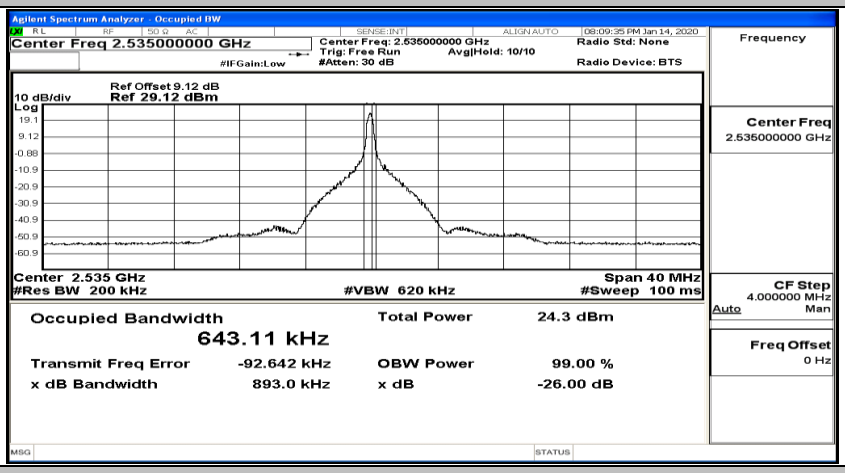
(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0



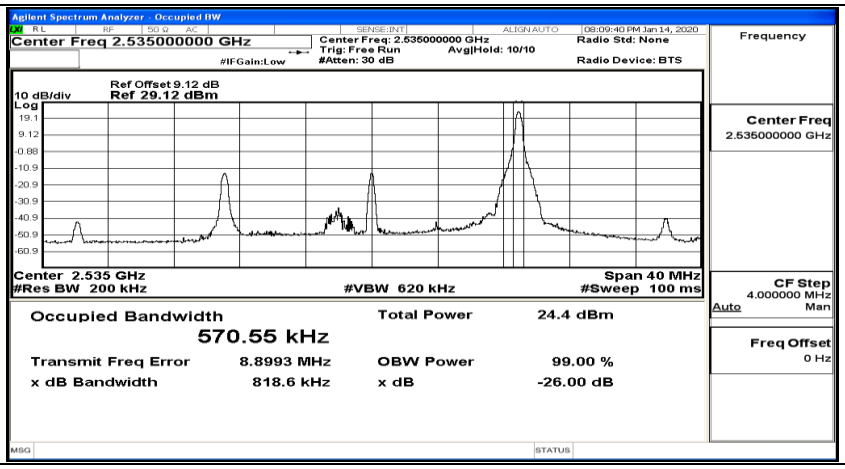
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0



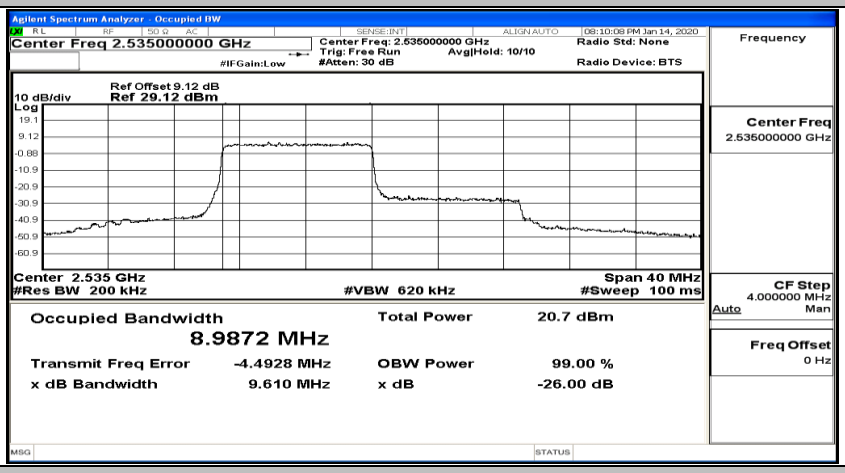
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#50



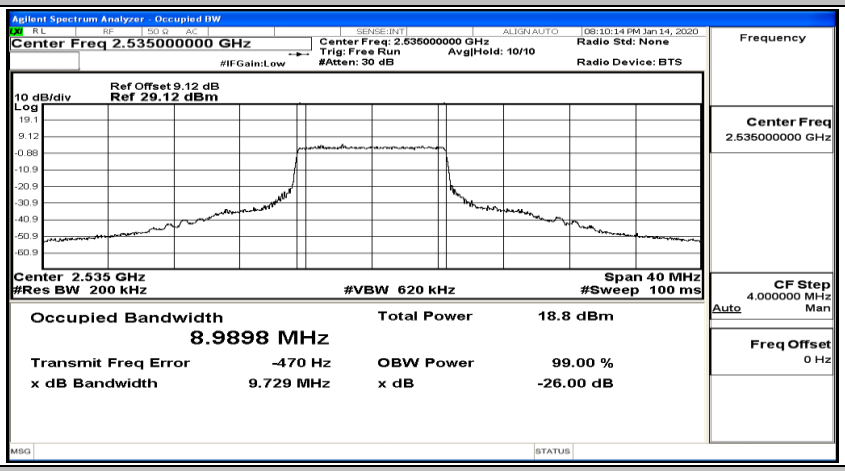
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#99


Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.535000000 GHz
Center Freq: 2.535000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
08:09:40 PM Jan 14, 2020
Ref Offset 9.12 dB
10 dB/div
Ref 29.12 dBm
Log
Center 2.535 GHz
#Res BW 200 kHz
#VBW 620 kHz
Span 40 MHz
#Sweep 100 ms
Occupied Bandwidth
570.55 kHz
Total Power 24.4 dBm
Transmit Freq Error 8.8993 MHz
OBW Power 99.00 %
x dB Bandwidth 818.6 kHz
x dB -26.00 dB
Frequency
Center Freq
2.535000000 GHz
CF Step
4.000000 MHz
Auto Man
Freq Offset
0 Hz

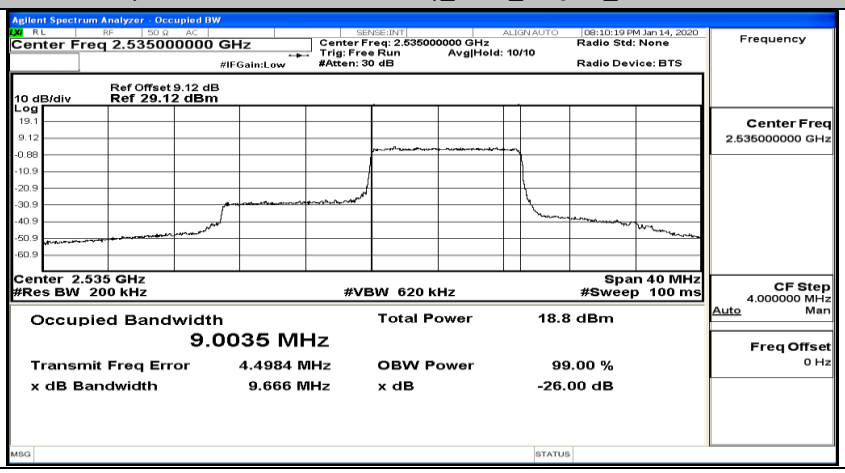
(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#0



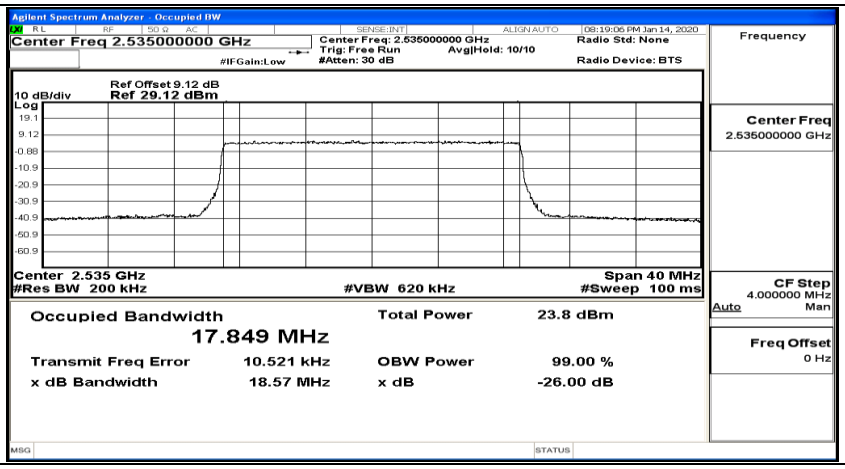
(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#25



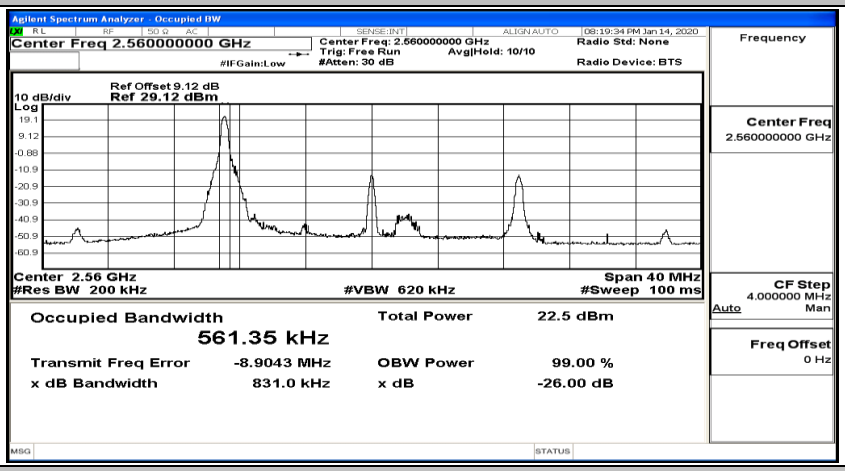
(Channel Bandwidth:20 MHz)_MCH_16QAM_50RB#50



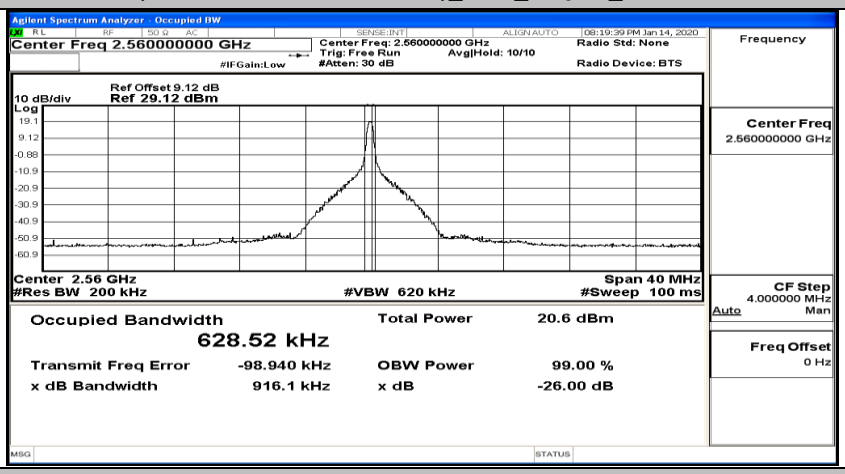
(Channel Bandwidth:20 MHz)_MCH_16QAM_100RB#0



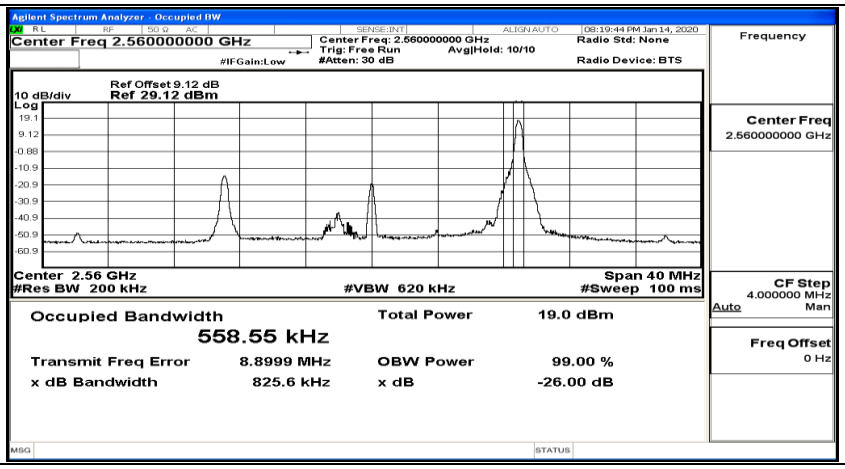
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



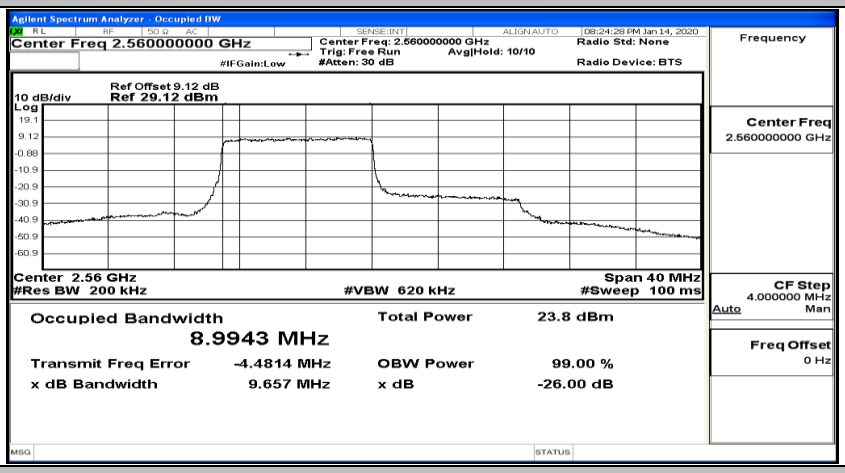
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#50



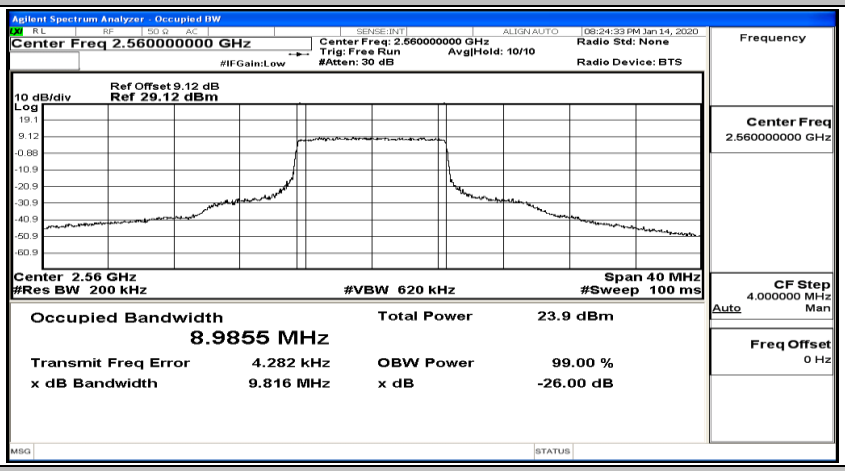
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99


Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.560000000 GHz
Center Freq: 2.560000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
08:19:44 PM Jan 14, 2020
Ref Offset 9.12 dB
10 dB/div
Ref 29.12 dBm
Log
Center 2.56 GHz
#Res BW 200 kHz
#VBW 620 kHz
Span 40 MHz
#Sweep 100 ms
Occupied Bandwidth
558.55 kHz
Total Power 19.0 dBm
Transmit Freq Error 8.8999 MHz
OBW Power 99.00 %
x dB Bandwidth 825.6 kHz
x dB -26.00 dB
Frequency
Center Freq
2.560000000 GHz
CF Step
4.000000 MHz
Auto Man
Freq Offset
0 Hz

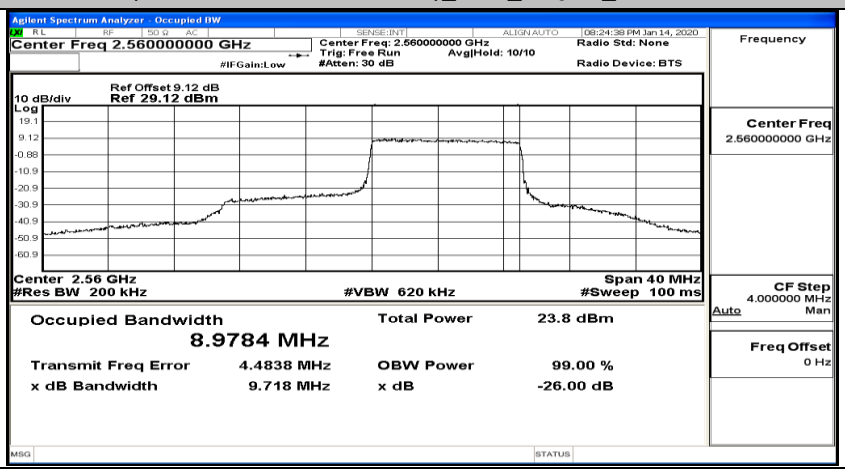
(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#0



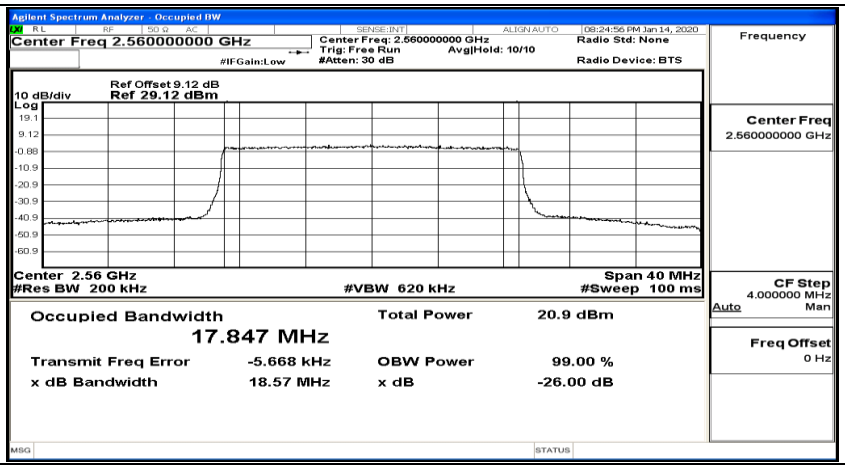
(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#25



(Channel Bandwidth:20 MHz)_HCH_16QAM_50RB#50



(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0

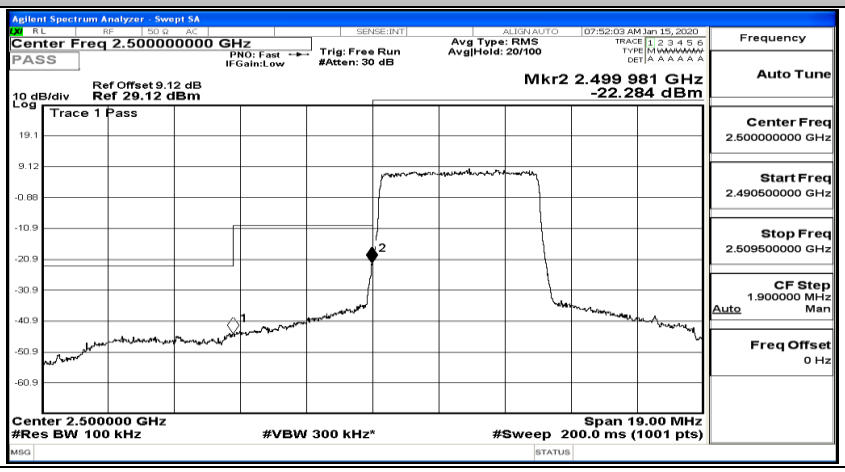

Agilent Spectrum Analyzer - Occupied BW
Center Freq 2.560000000 GHz
Center Freq: 2.560000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
08:24:56 PM Jan 14, 2020
Ref Offset 9.12 dB
10 dB/div
Ref 29.12 dBm
Log
Center 2.56 GHz
#Res BW 200 kHz
#VBW 620 kHz
Span 40 MHz
#Sweep 100 ms
Occupied Bandwidth
17.847 MHz
Total Power 20.9 dBm
Transmit Freq Error -5.668 kHz
OBW Power 99.00 %
x dB Bandwidth 18.57 MHz
x dB -26.00 dB
Frequency
Center Freq
2.560000000 GHz
CF Step
4.000000 MHz
Auto Man
Freq Offset
0 Hz

E.4: Band Edge

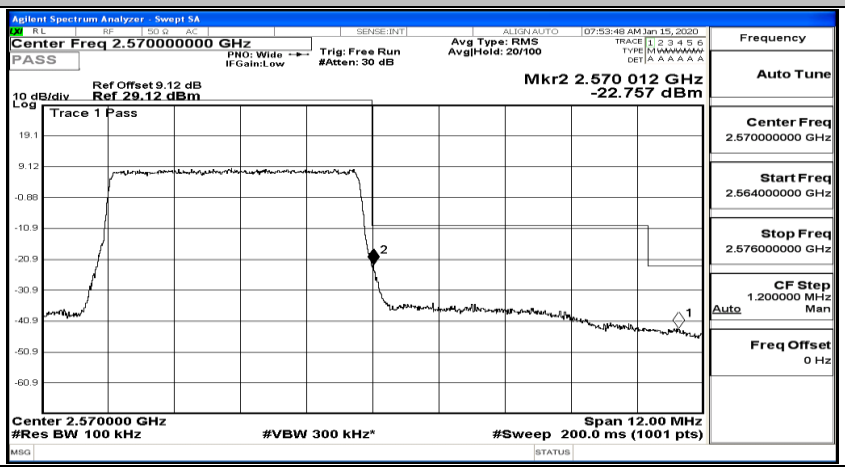
Test Graphs

Channel Bandwidth: 5 MHz

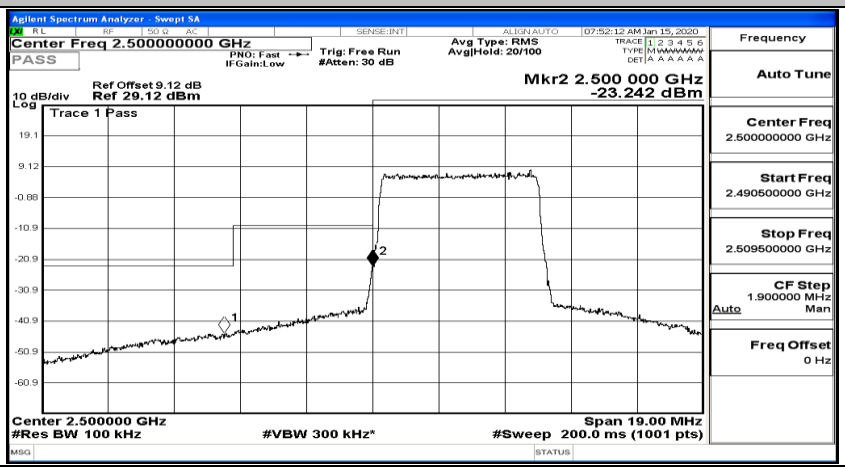
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



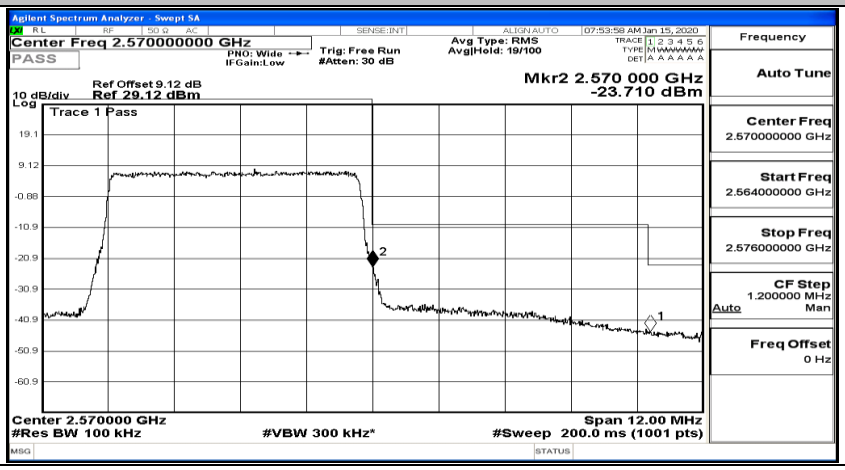
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0

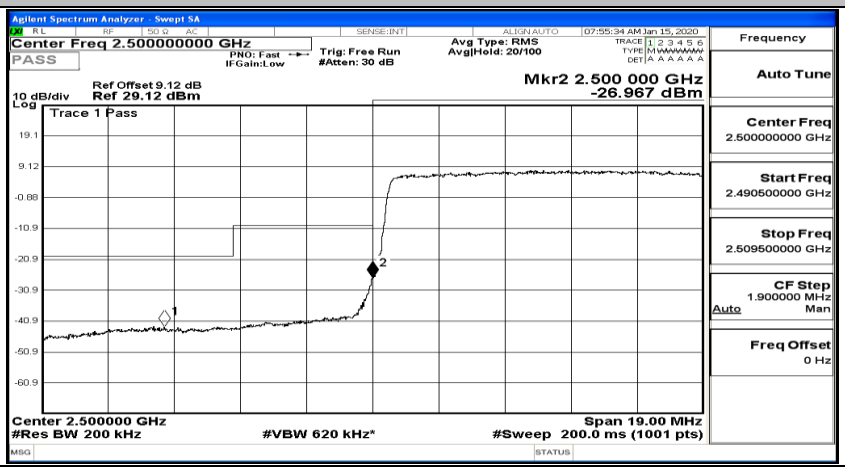


(Channel Bandwidth: 5 MHz)_HCH_16QAM_25RB#0

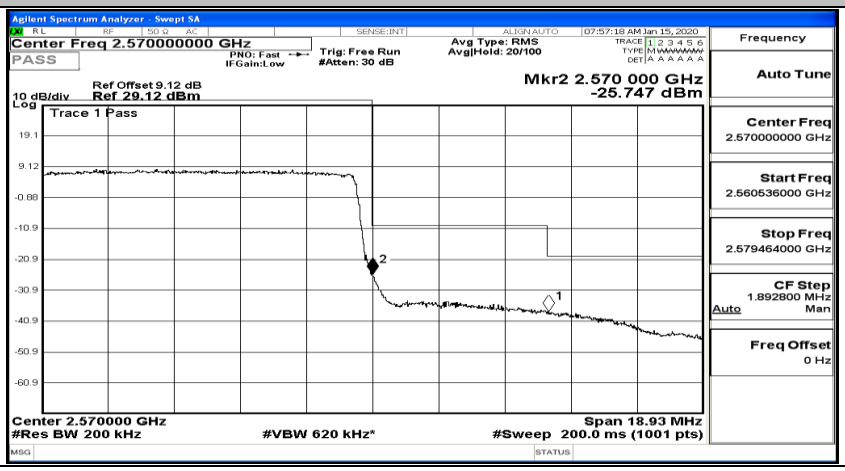


Channel Bandwidth: 10 MHz

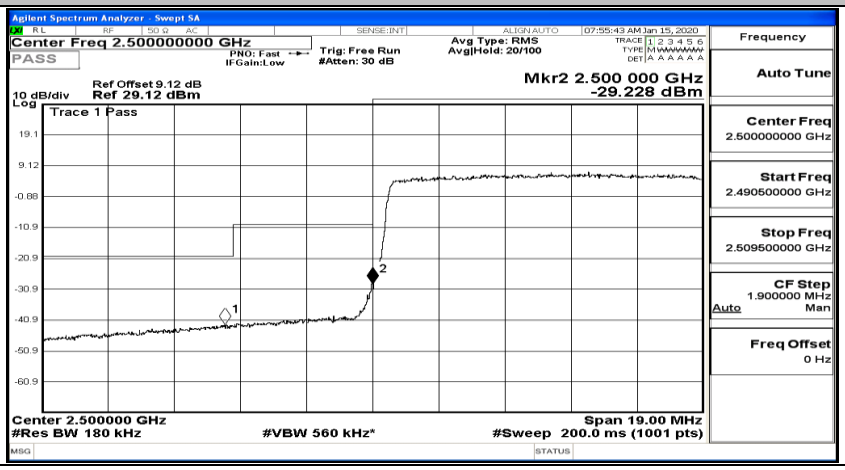
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



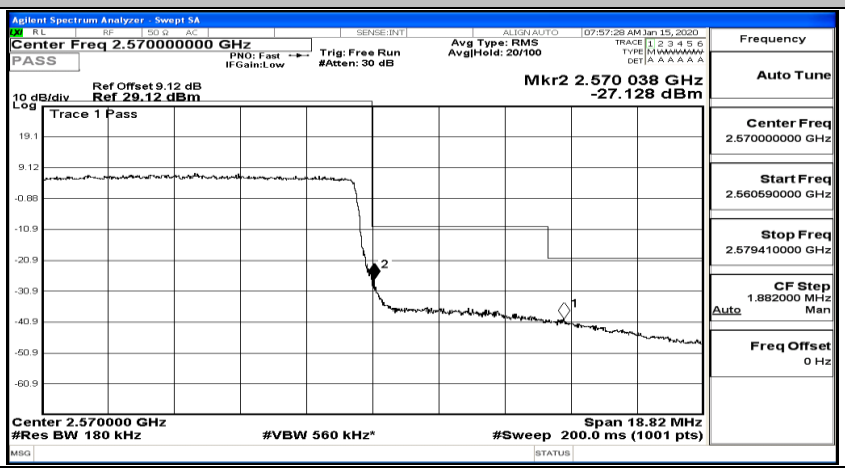
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0

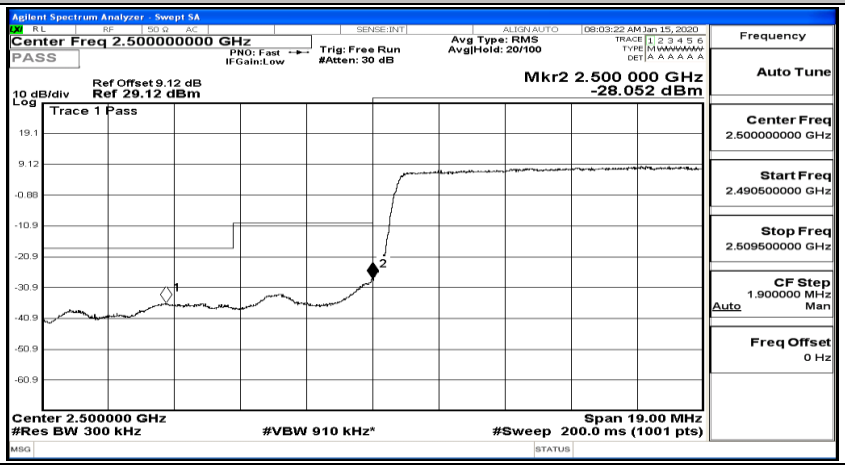


Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

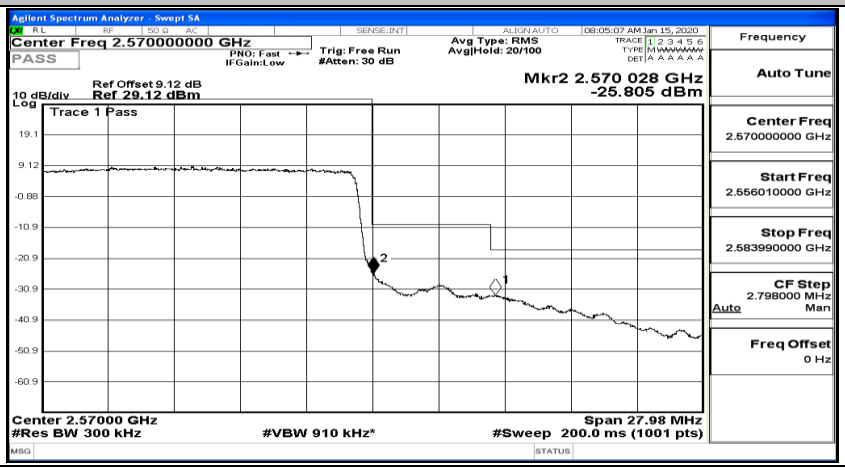


Channel Bandwidth: 15 MHz

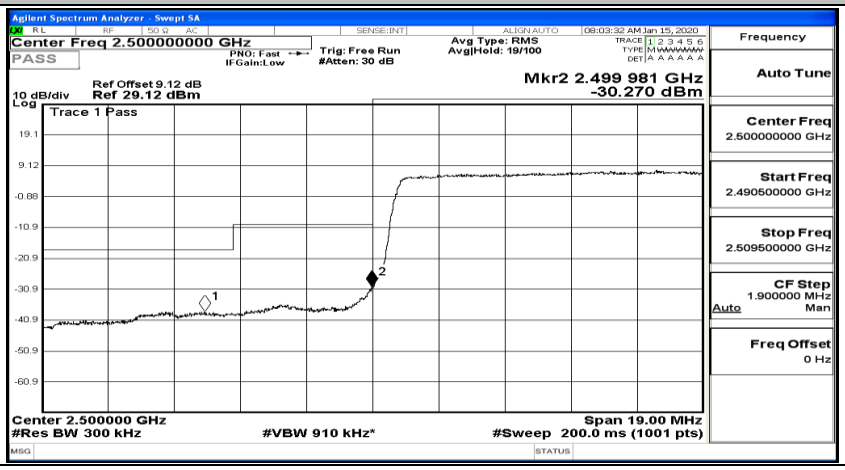
(Channel Bandwidth:15 MHz)_LCH_QPSK_75RB#0



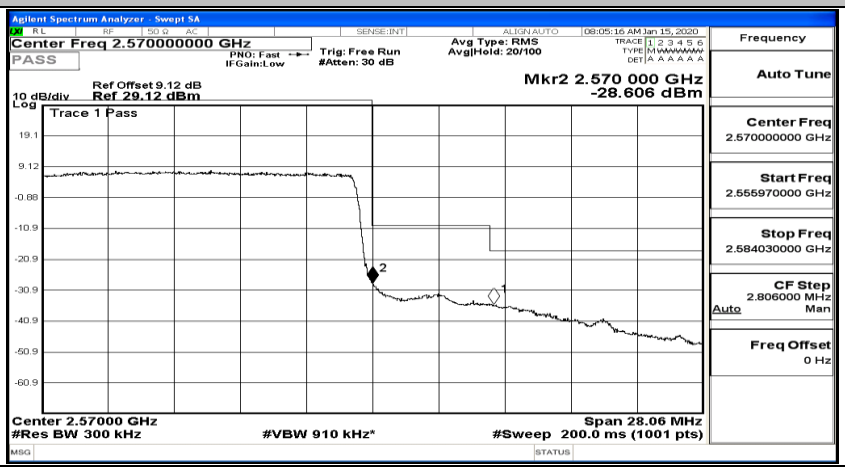
(Channel Bandwidth:15 MHz)_HCH_QPSK_75RB#0



(Channel Bandwidth:15 MHz)_LCH_16QAM_75RB#0

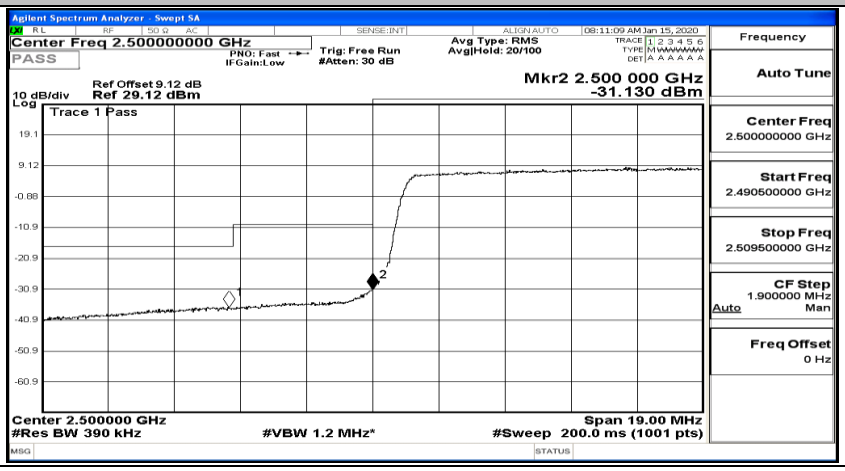


(Channel Bandwidth:15 MHz)_HCH_16QAM_75RB#0

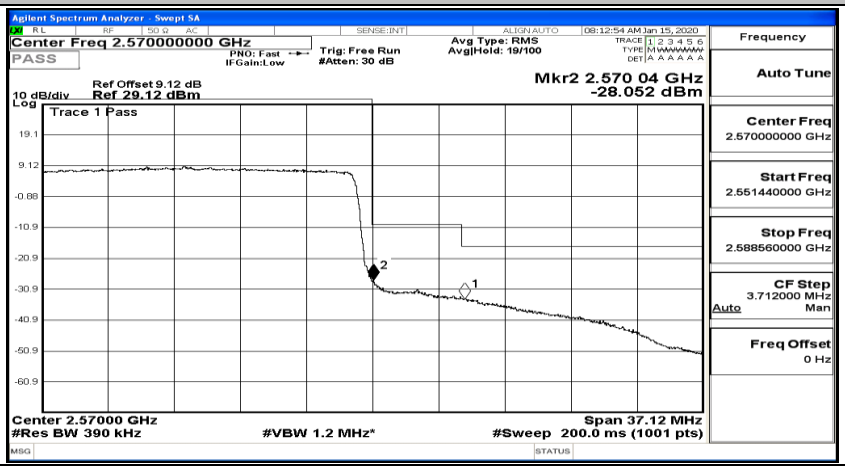


Channel Bandwidth: 20 MHz

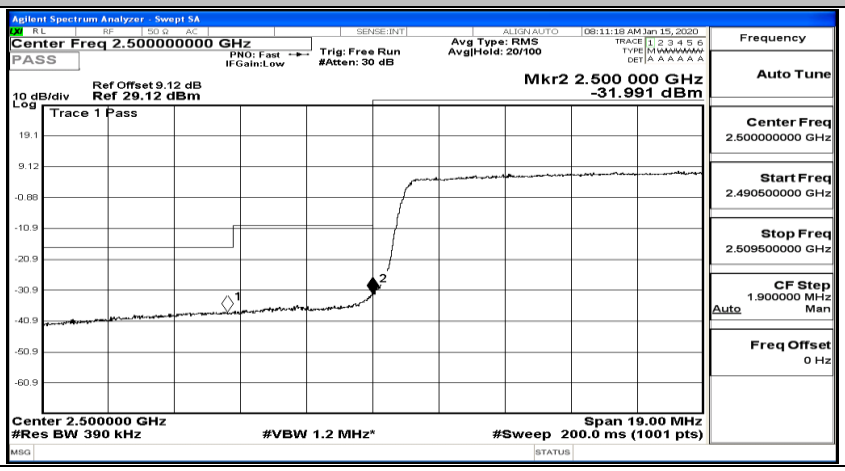
(Channel Bandwidth:20 MHz)_LCH_QPSK_100RB#0



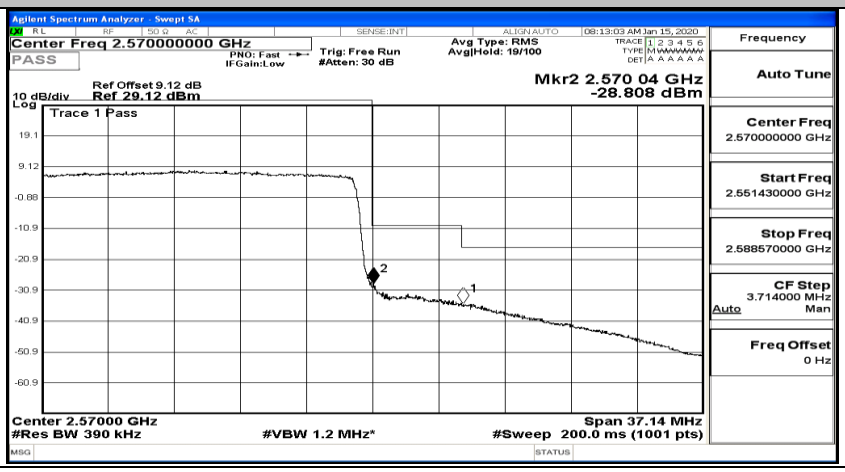
(Channel Bandwidth:20 MHz)_HCH_QPSK_100RB#0



(Channel Bandwidth:20 MHz)_LCH_16QAM_100RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_100RB#0

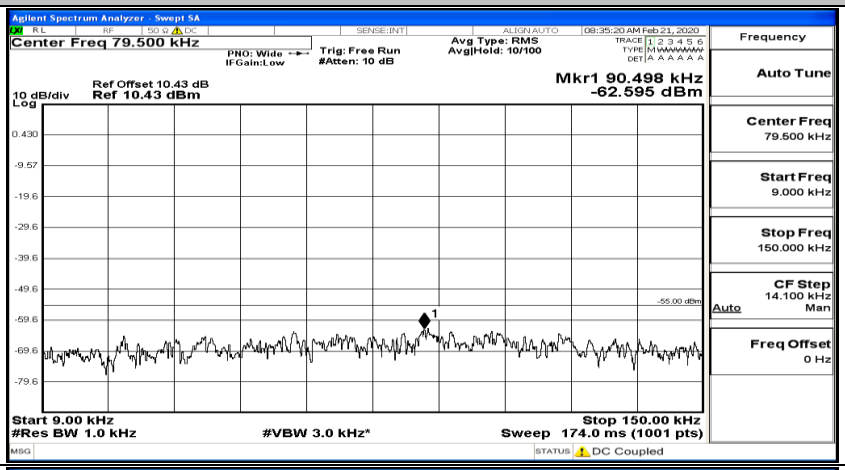


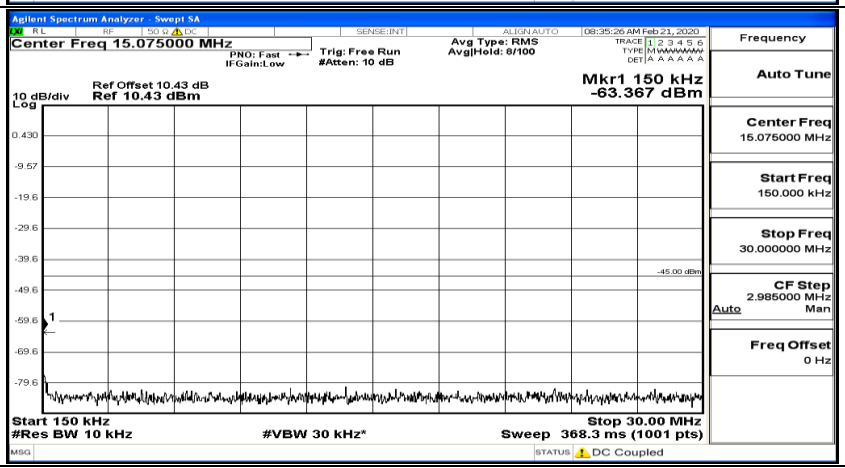
E.5: Conducted Spurious Emission

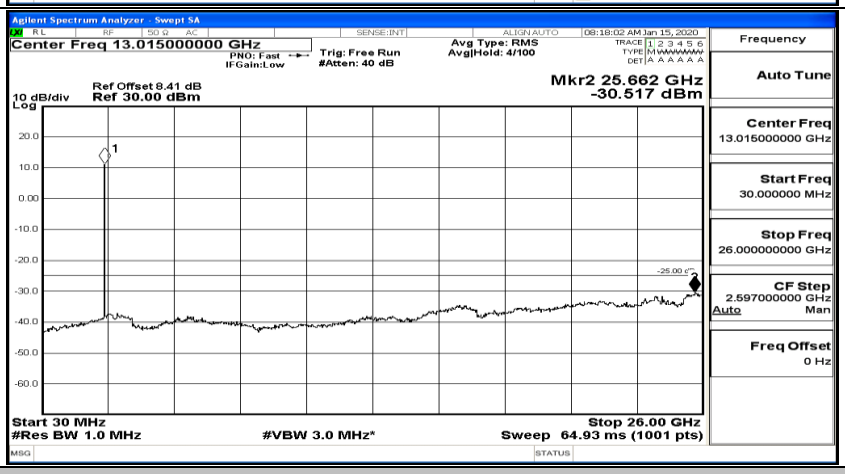
Test Graphs

Channel Bandwidth: 5 MHz

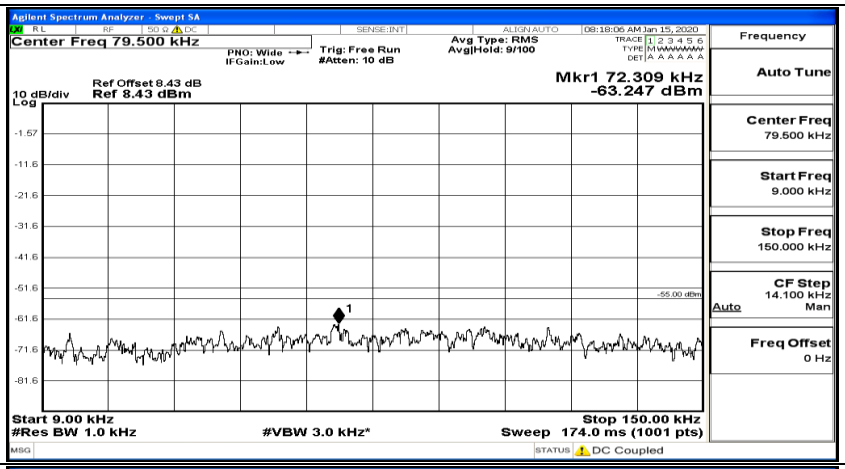
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

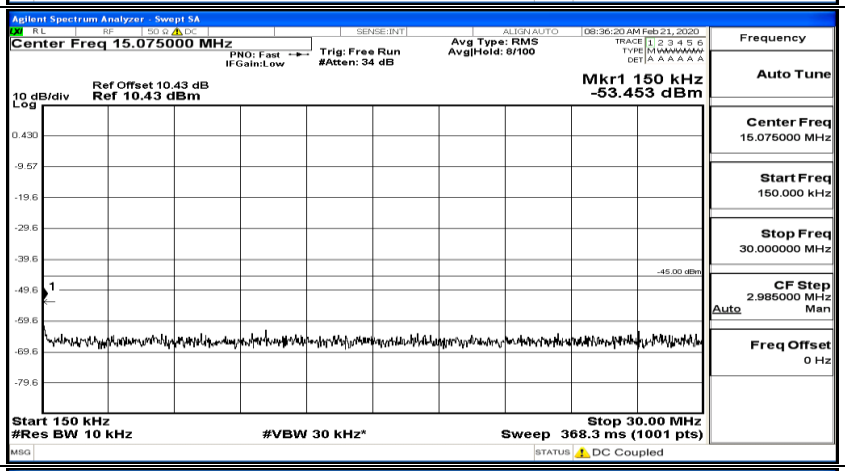




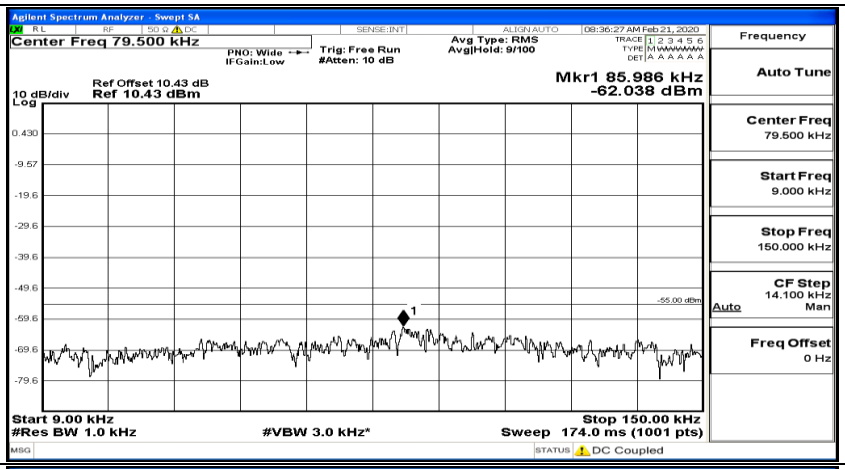


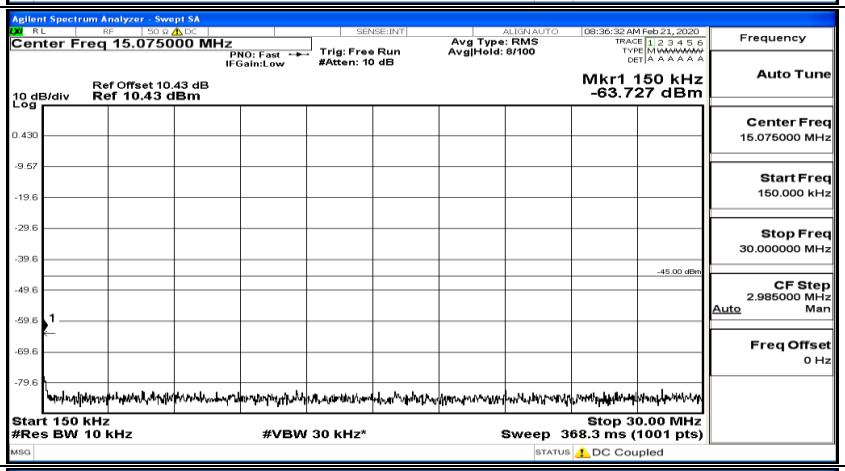
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12



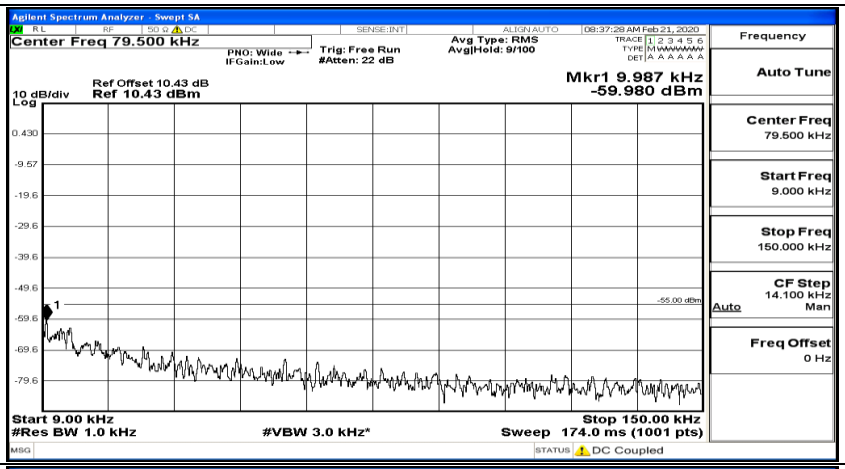


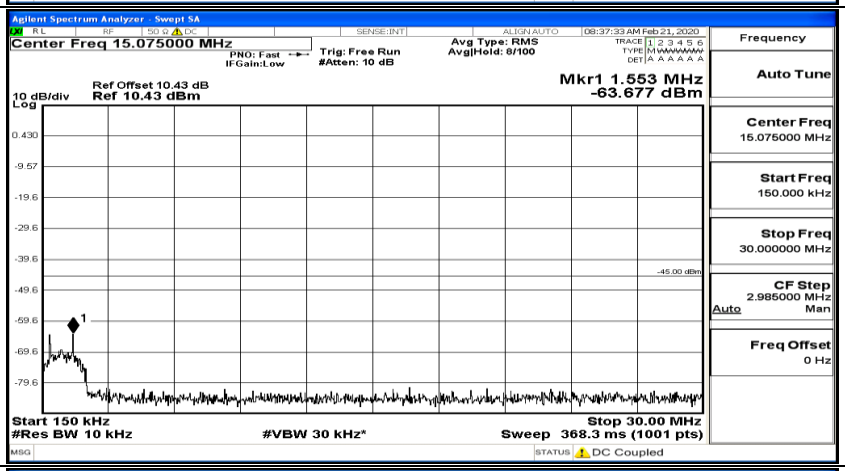
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24



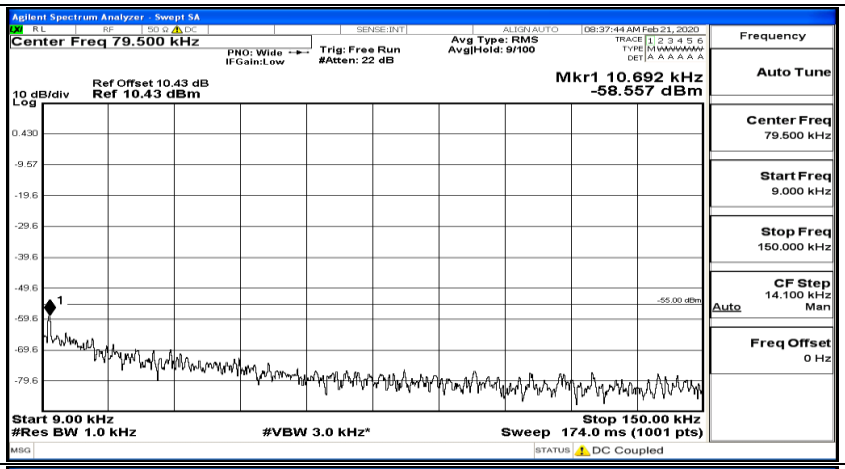


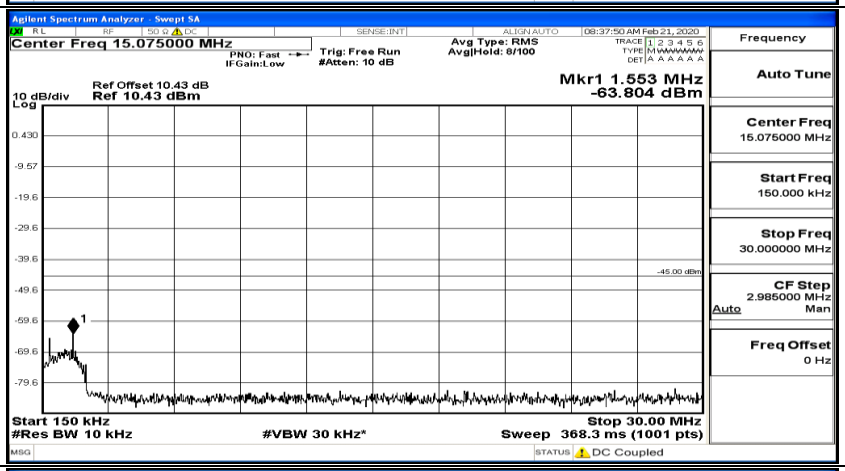
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#0

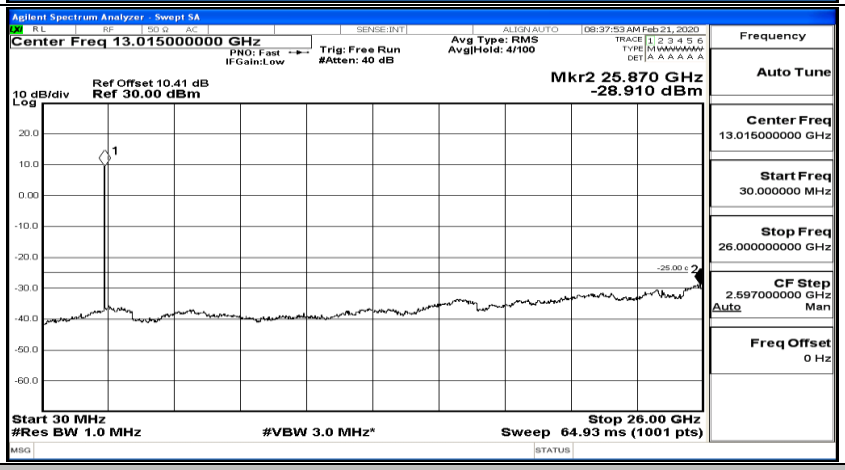




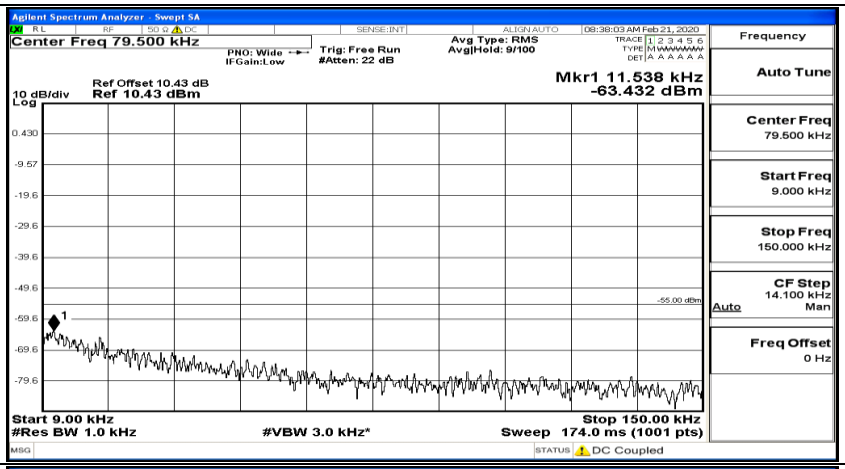
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#6

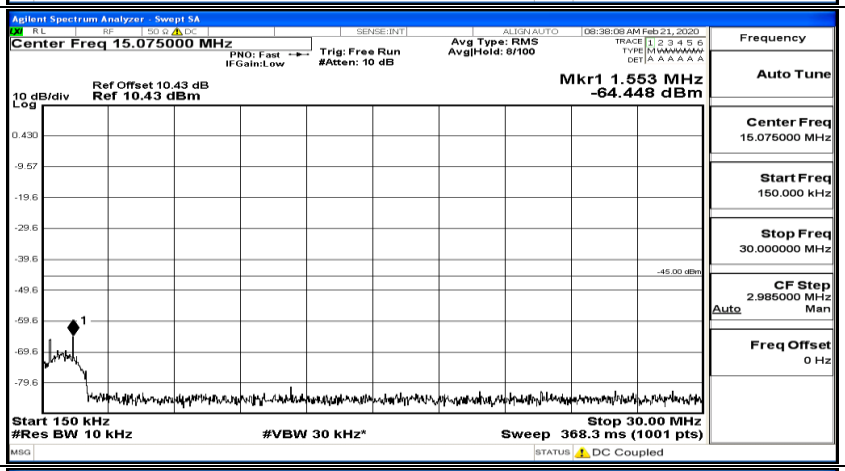


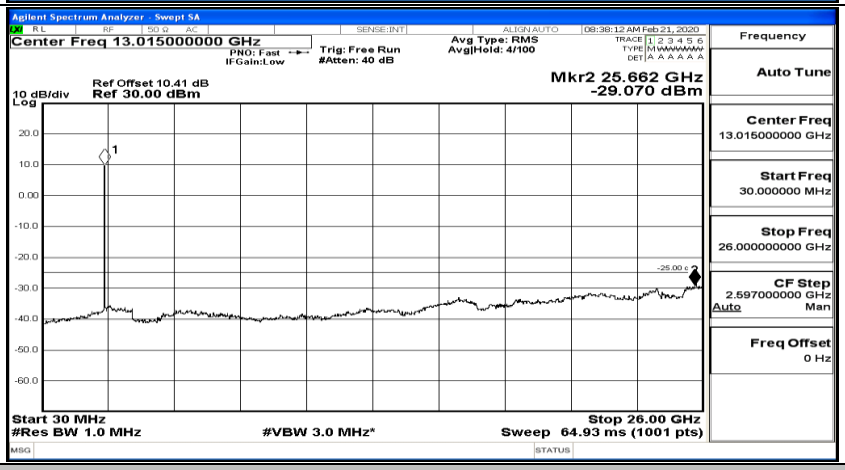




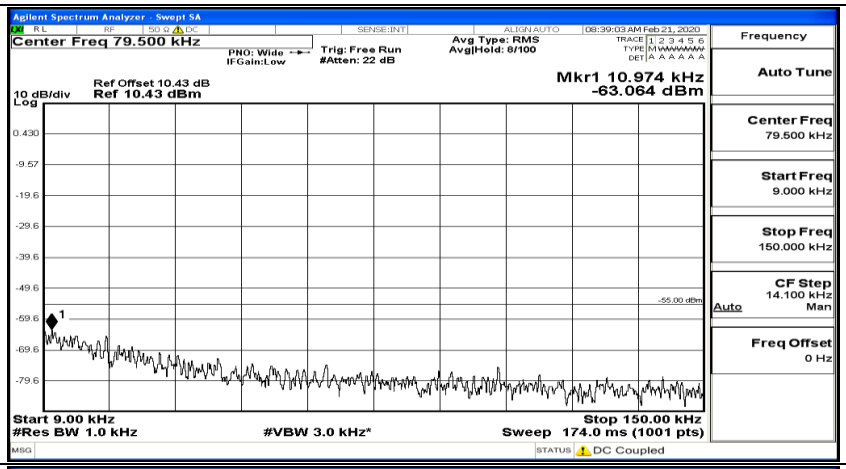
(Channel Bandwidth: 5 MHz)_LCH_QPSK_12RB#13

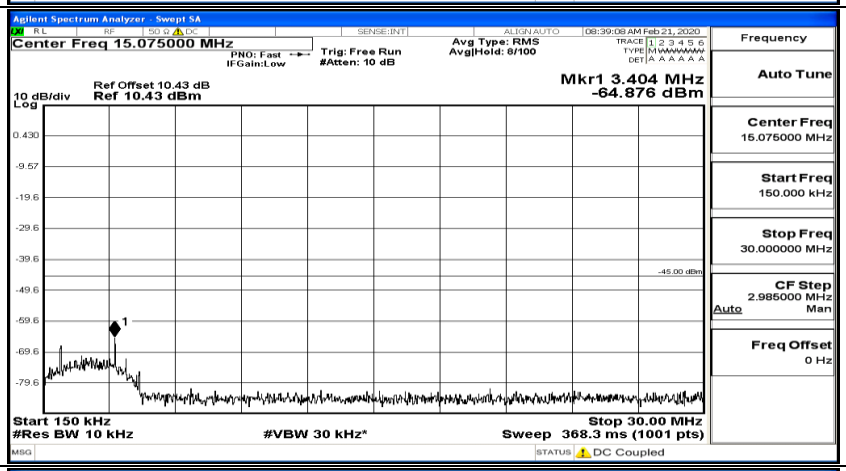




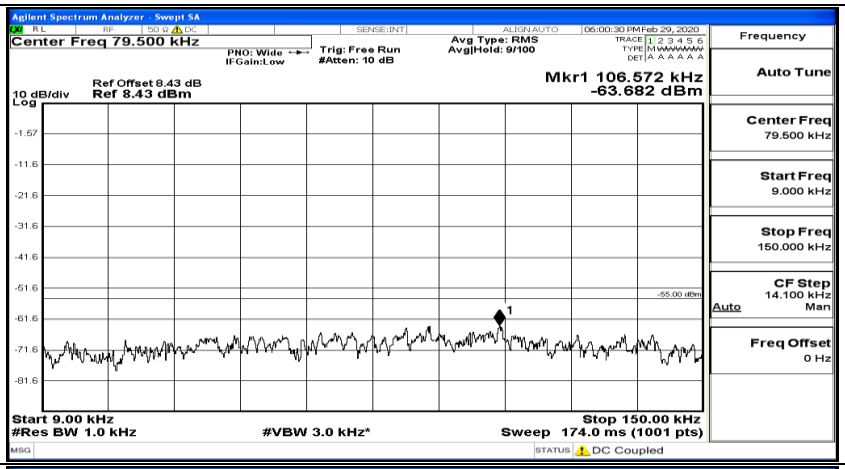


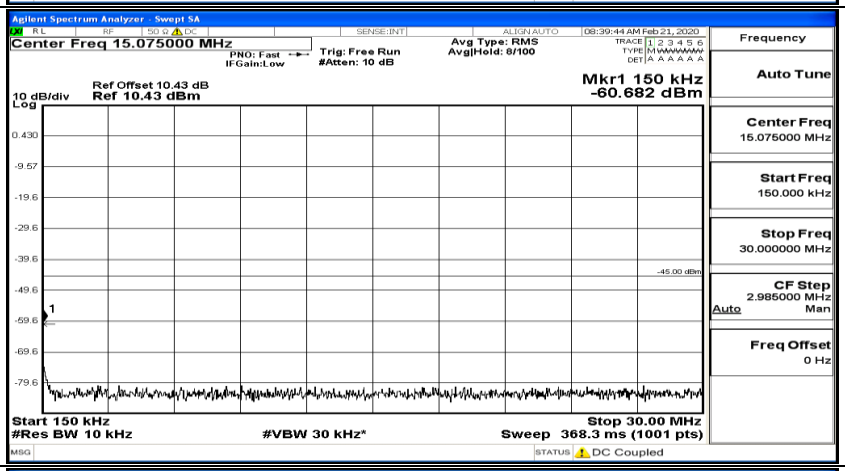
(Channel Bandwidth: 5 MHz)_LCH_QPSK_25RB#0



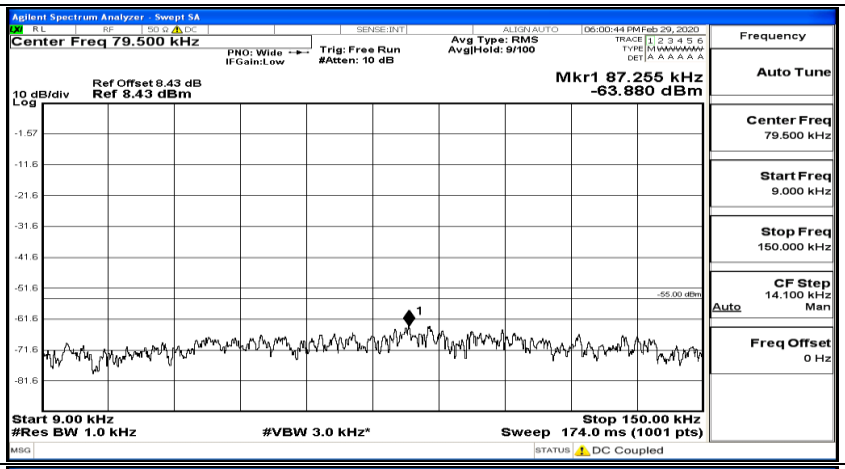


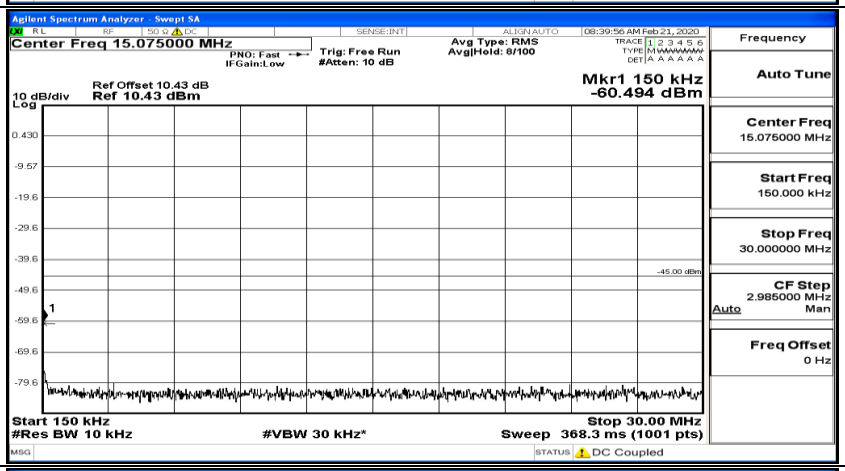
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0



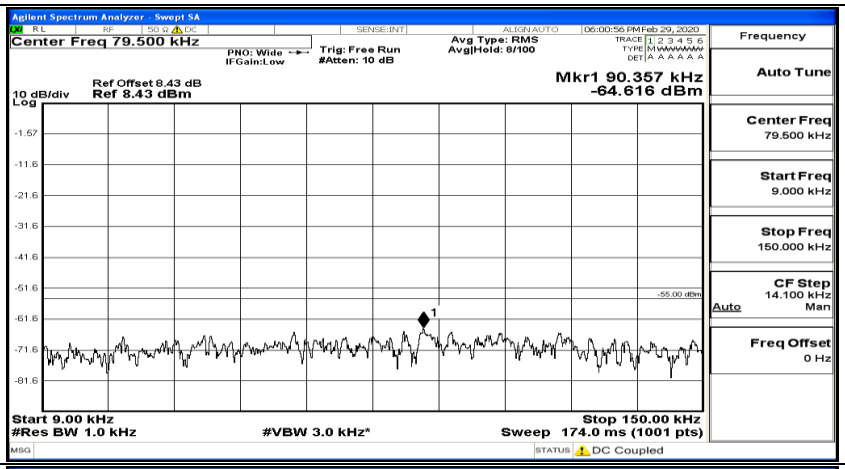


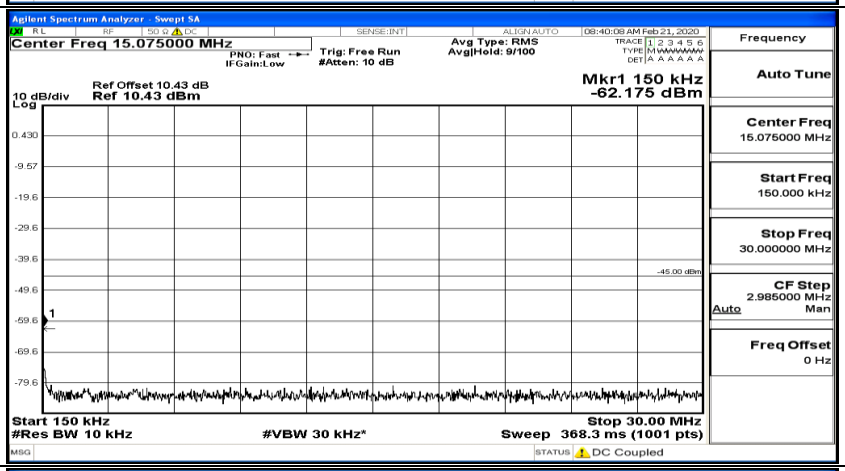
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12



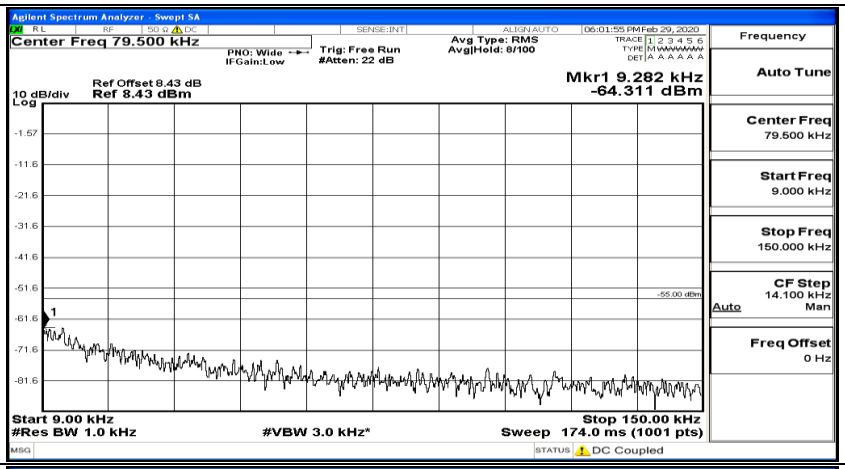


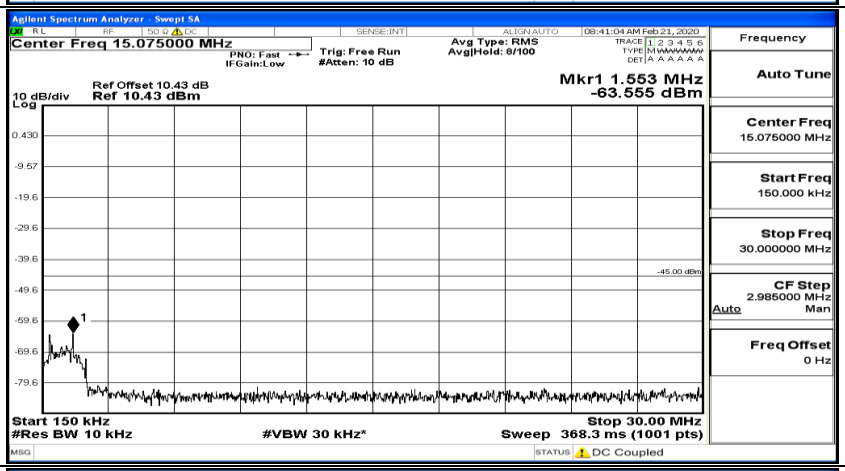
(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#24



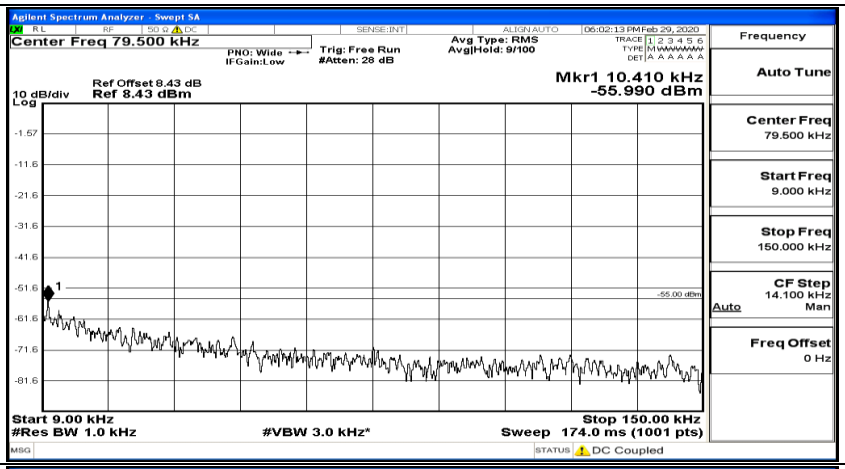


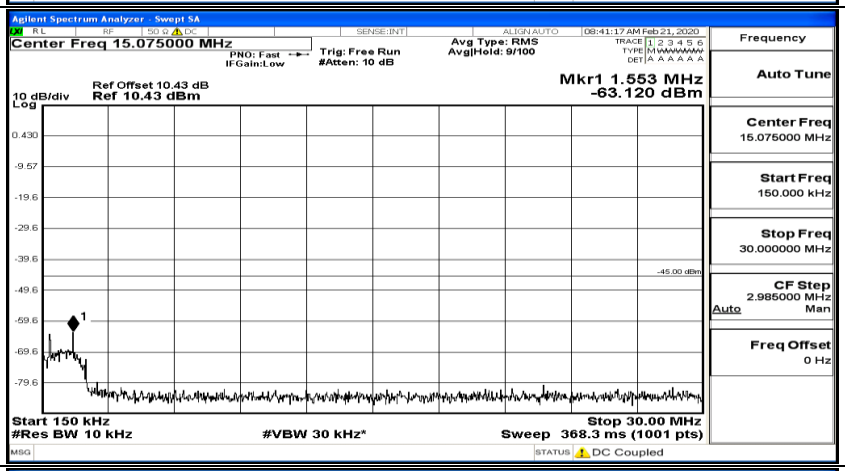
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#0



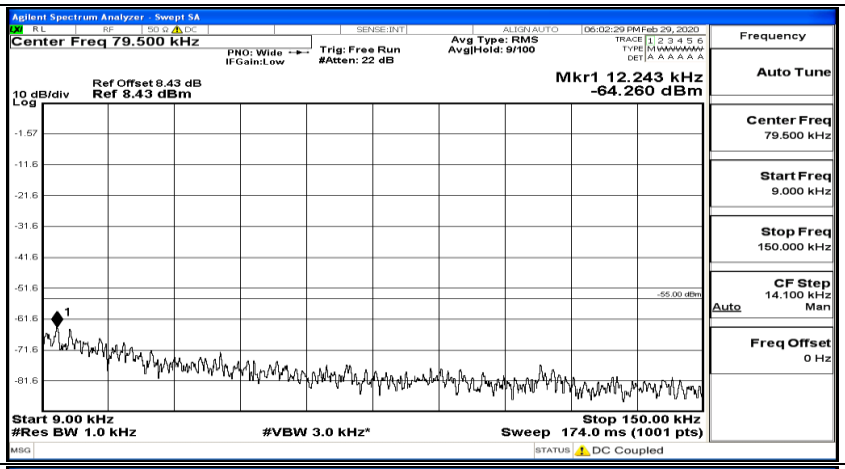


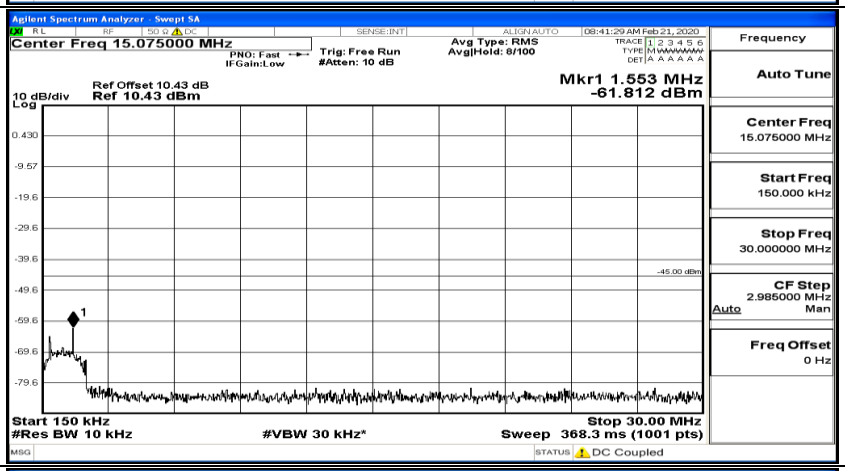
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#6



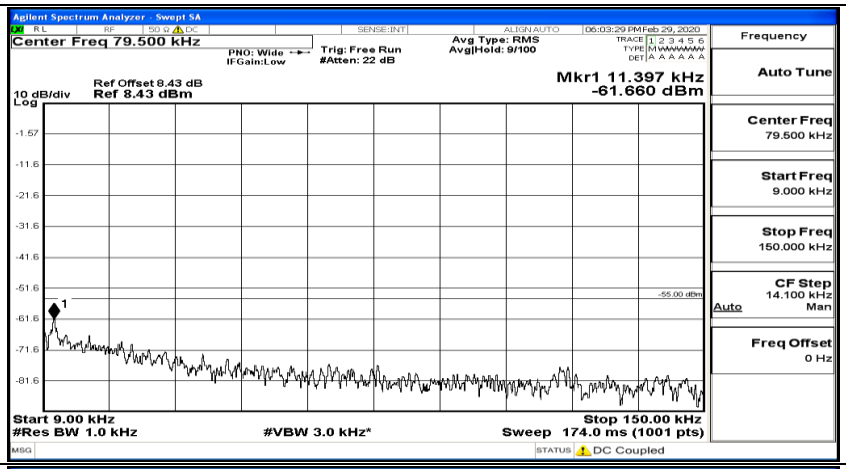


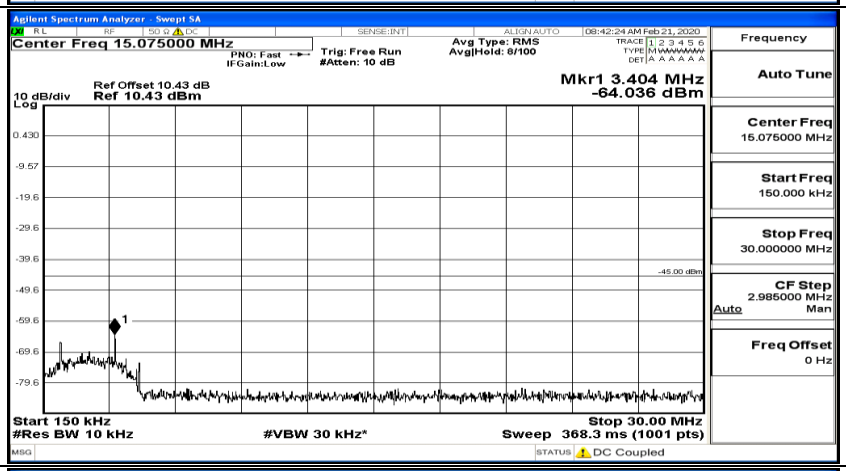
(Channel Bandwidth: 5 MHz)_MCH_QPSK_12RB#13





(Channel Bandwidth: 5 MHz)_MCH_QPSK_25RB#0





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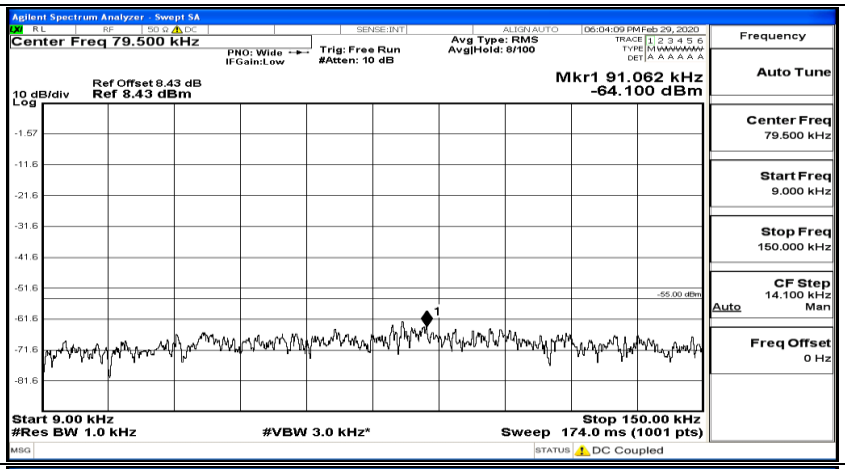

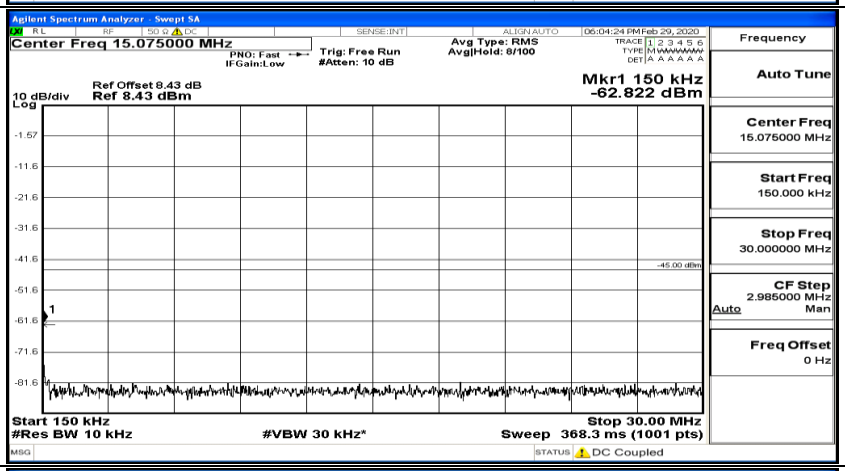

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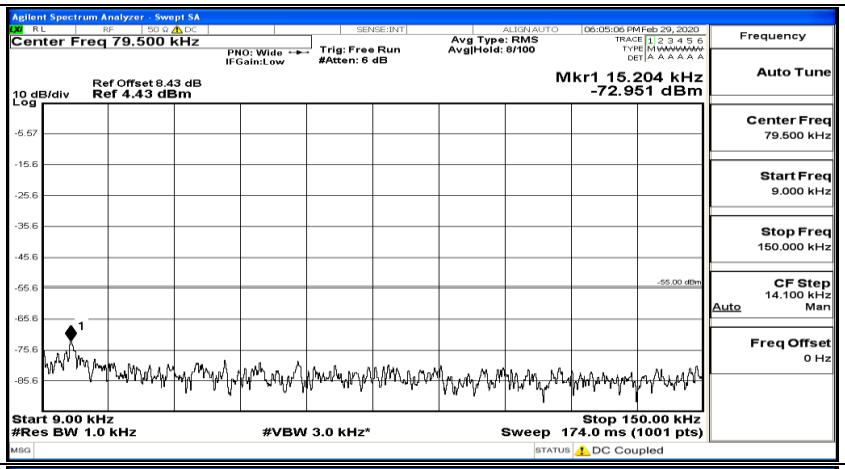
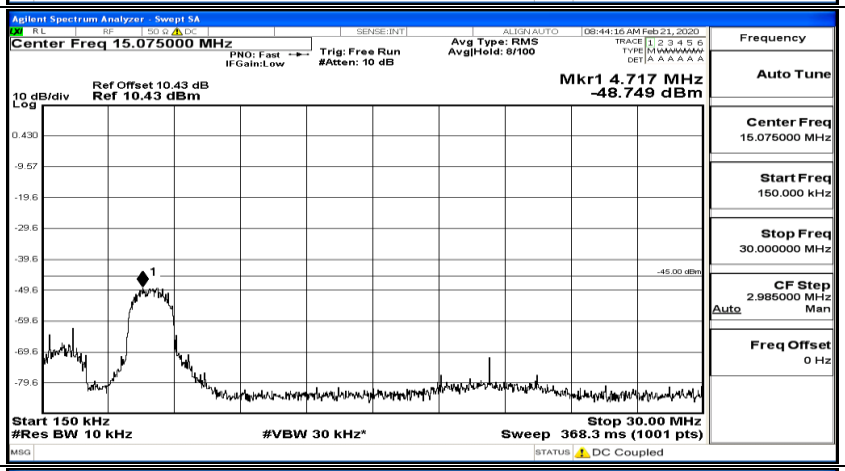
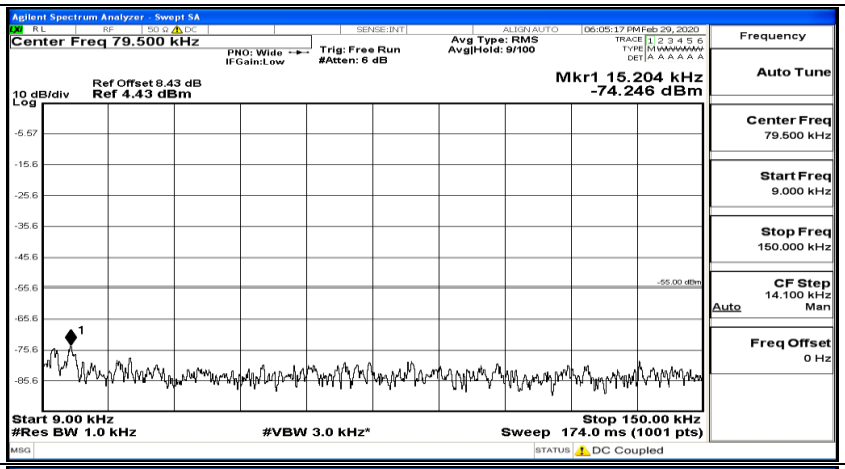
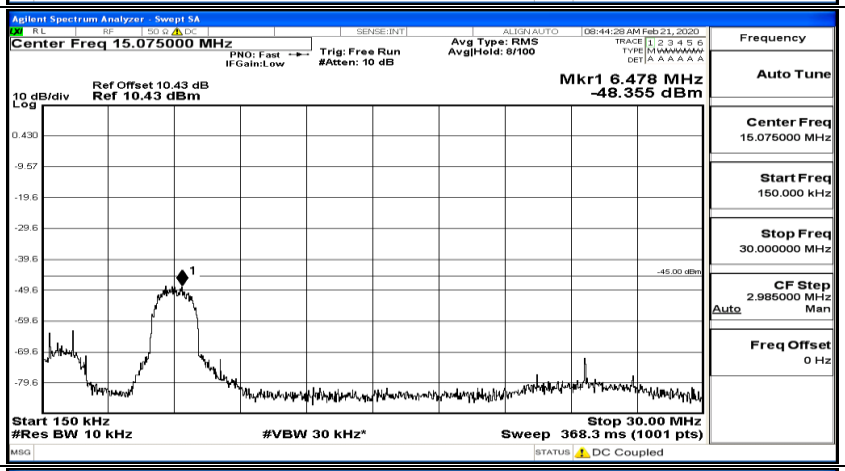


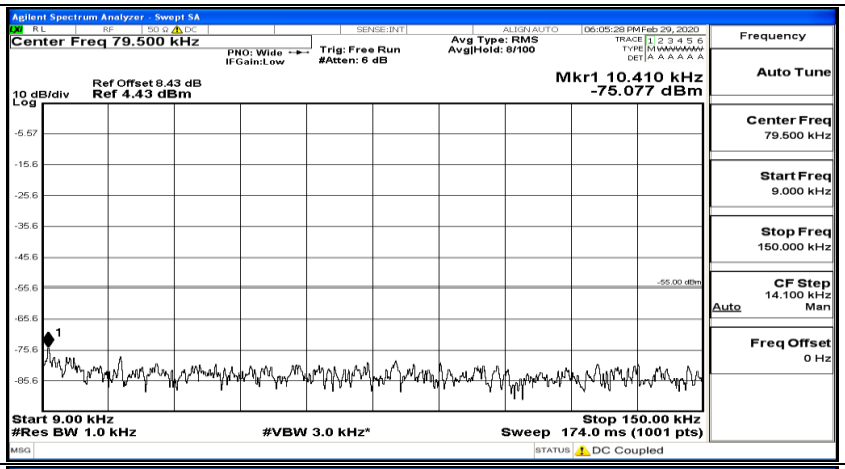


(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#6

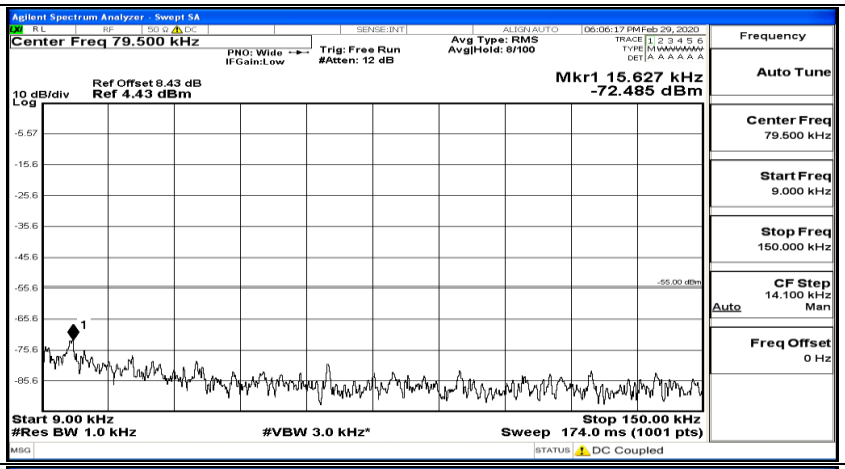


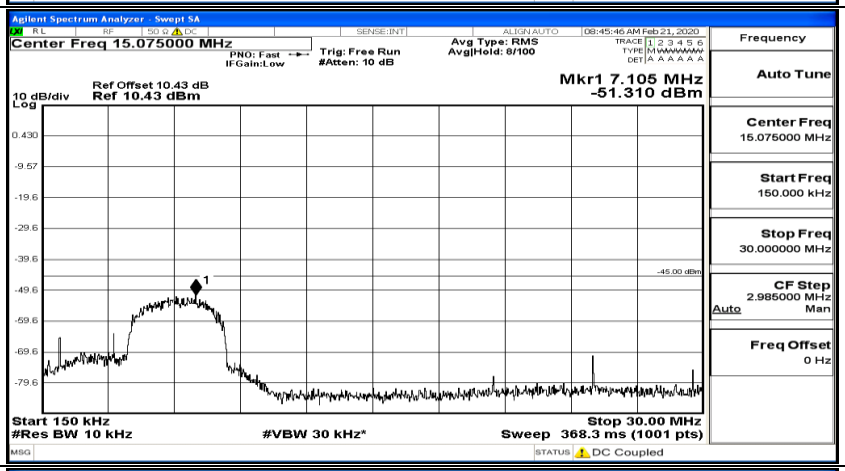


(Channel Bandwidth: 5 MHz)_HCH_QPSK_12RB#13

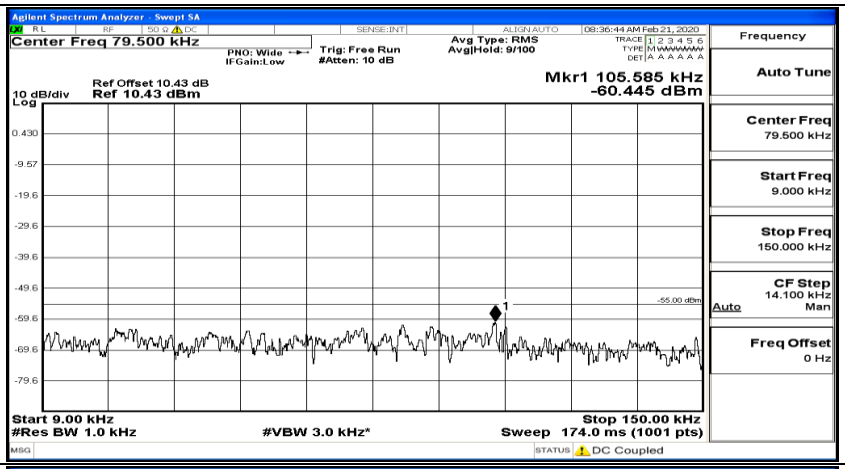


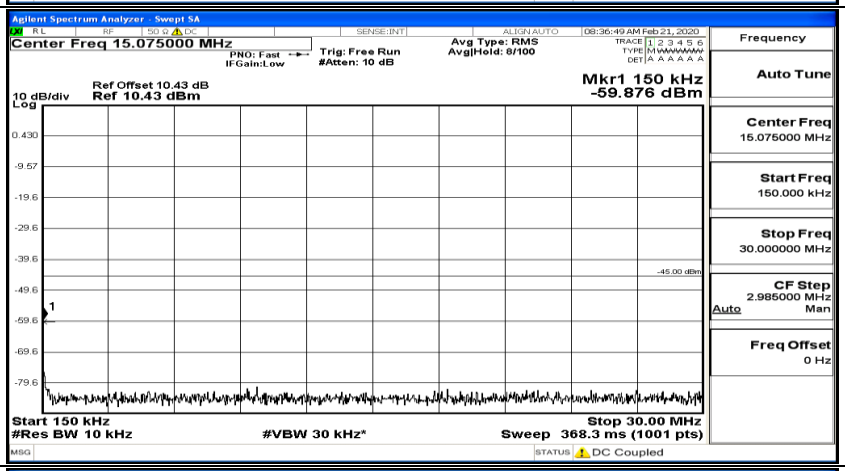
(Channel Bandwidth: 5 MHz)_HCH_QPSK_25RB#0



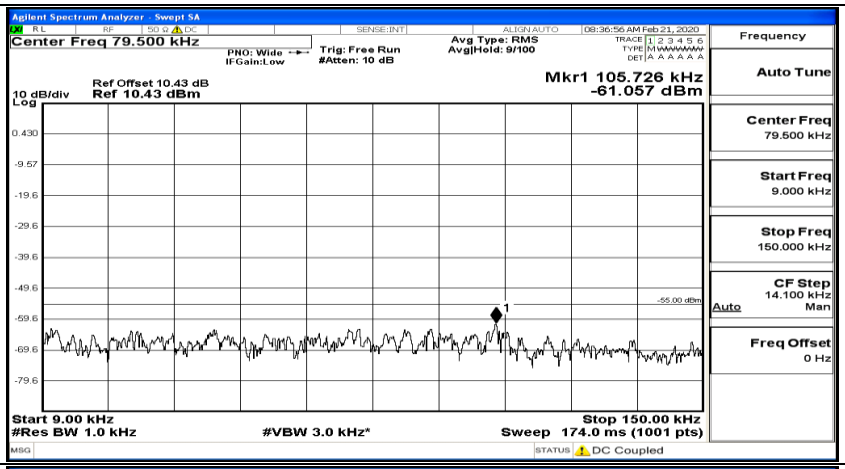


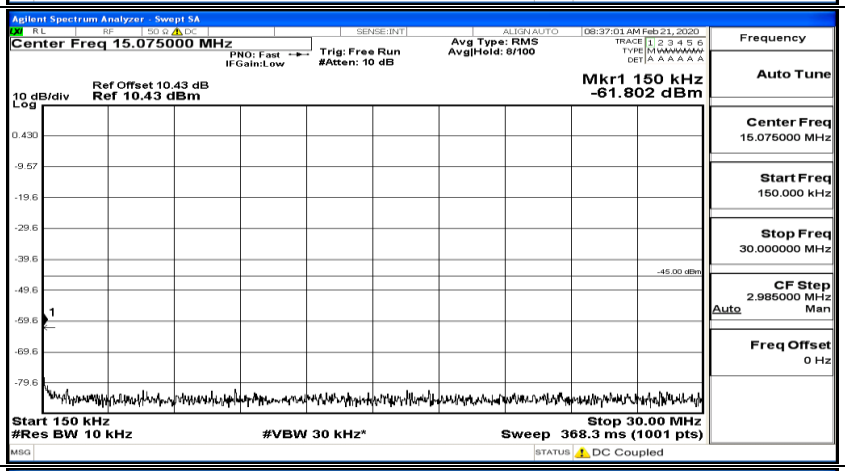
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0



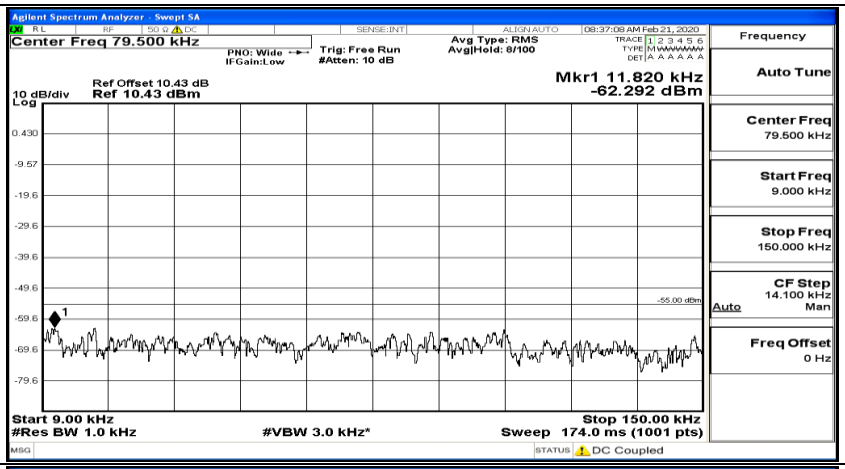


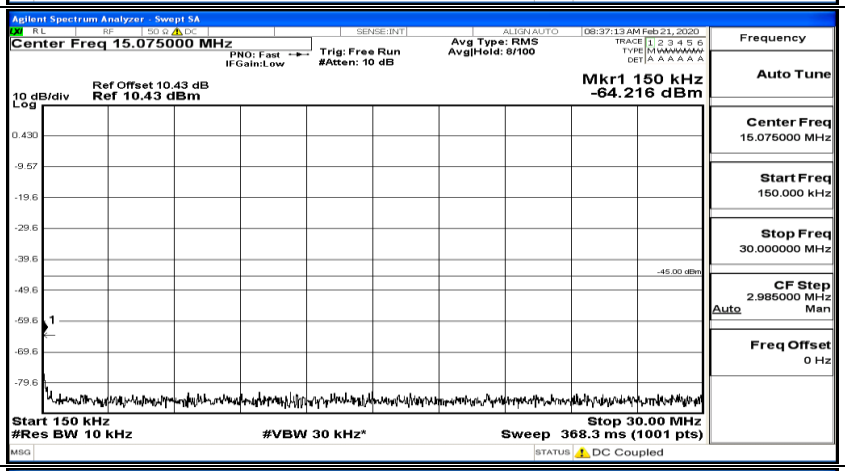
(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12





(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#24





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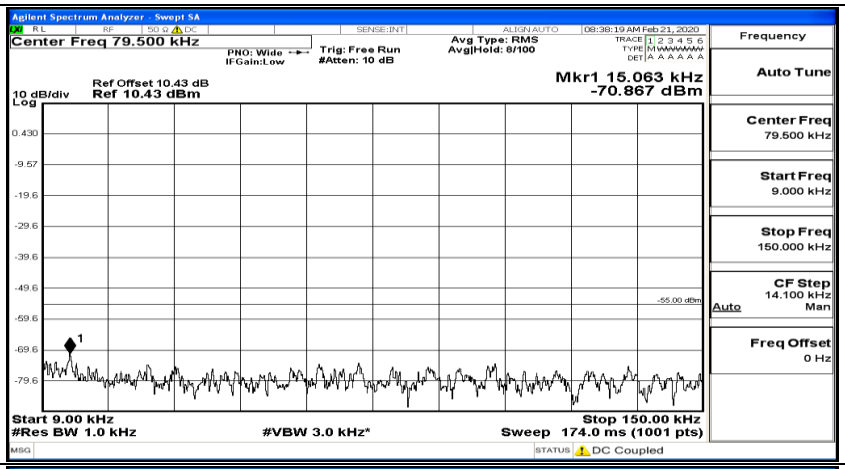
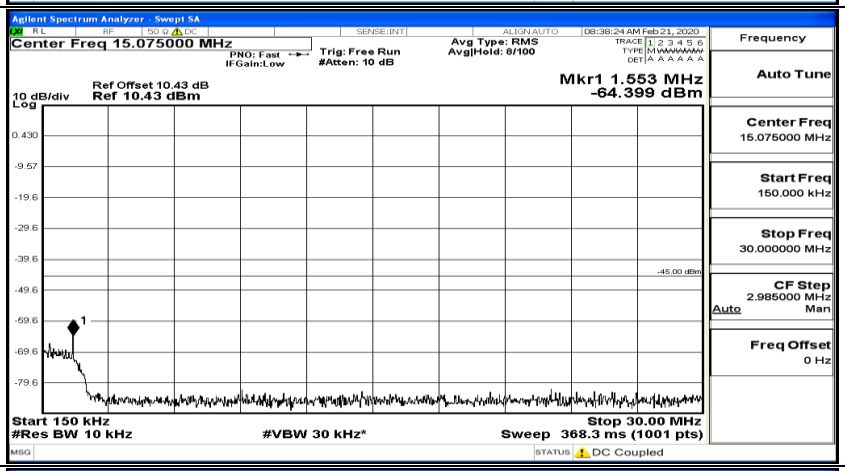
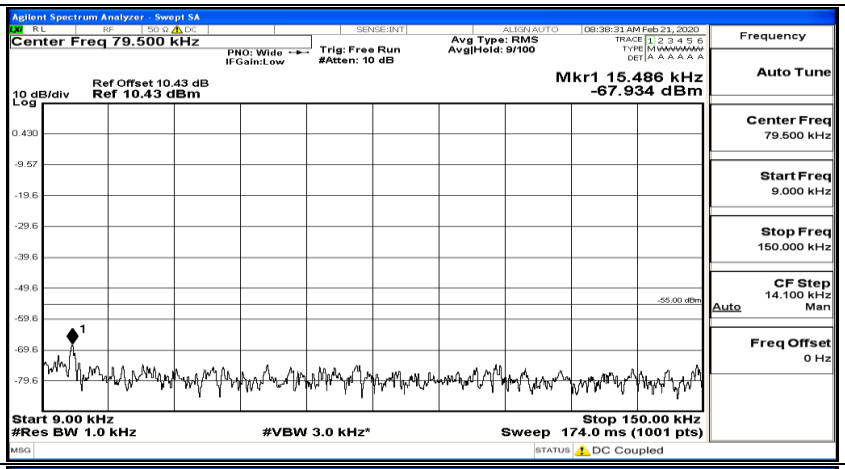
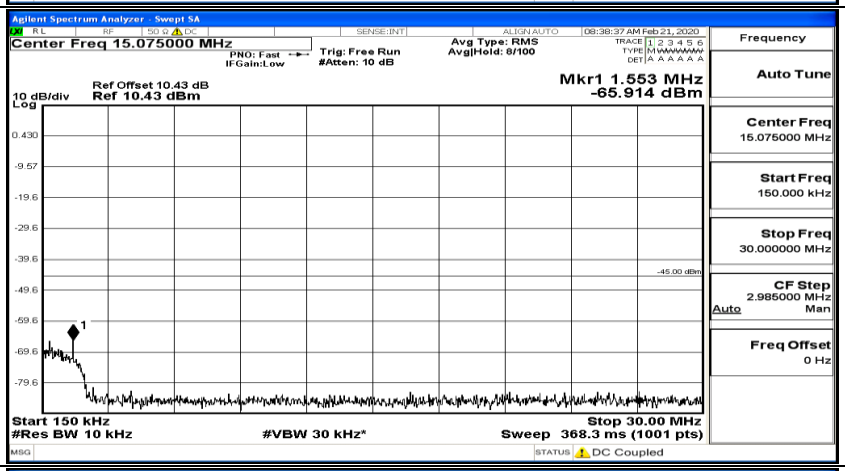
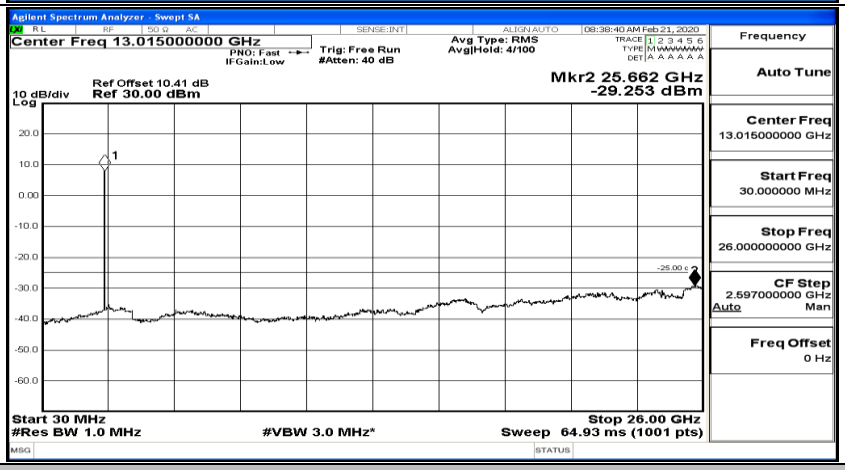




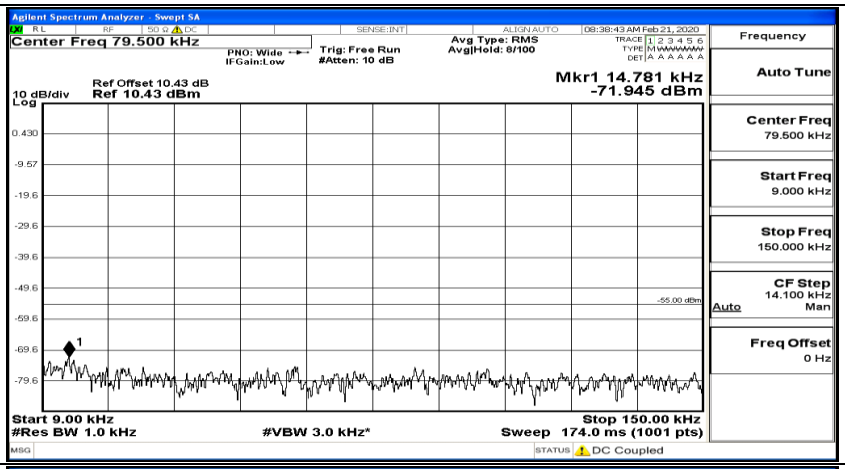
(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#6

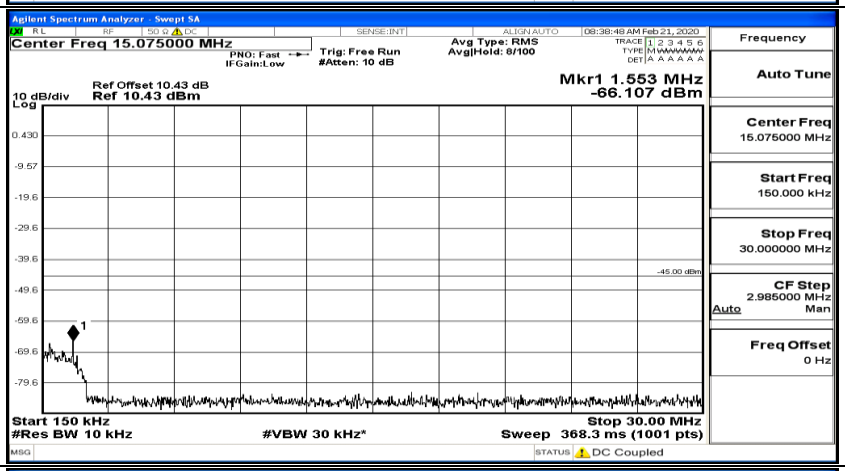






(Channel Bandwidth: 5 MHz)_LCH_16QAM_12RB#13





(Channel Bandwidth: 5 MHz)_LCH_16QAM_25RB#0