



Appendix E

Spurious Emission at Antenna Terminal

According to FCC part 2.1051 & Part 24.238 & RSS-133



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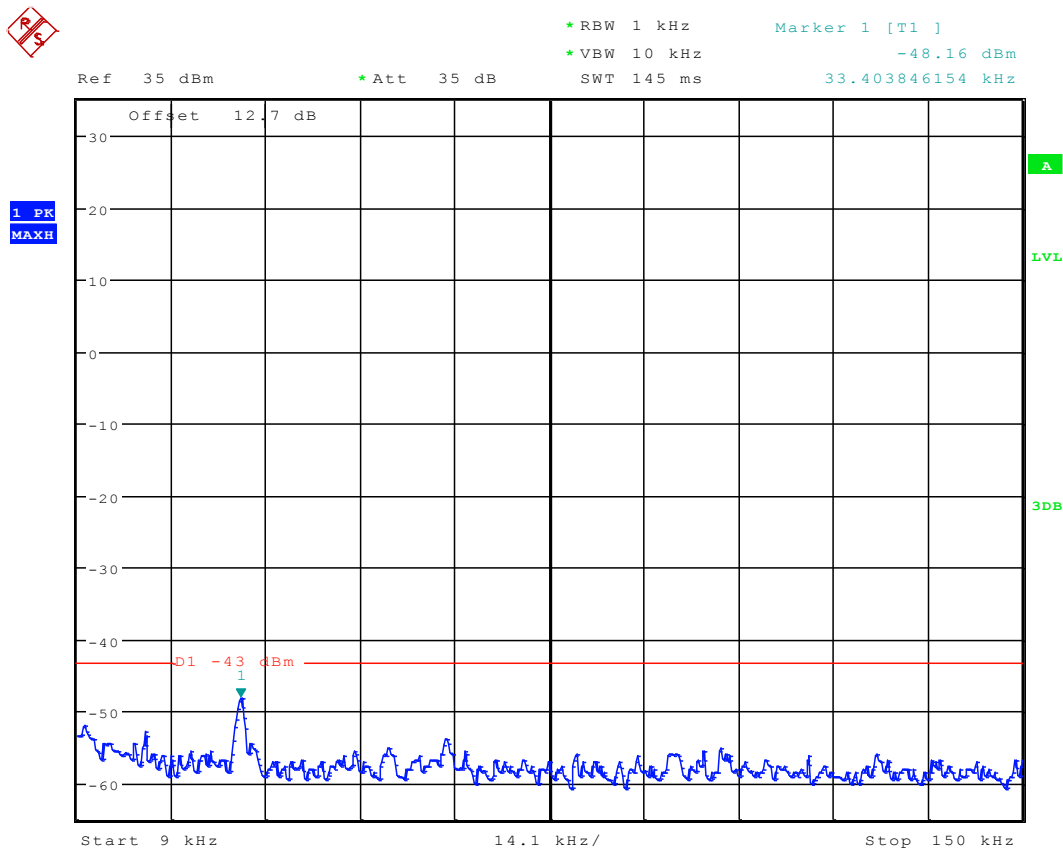
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1 For WCDMA Band 2

1.1 Test Mode=TM1

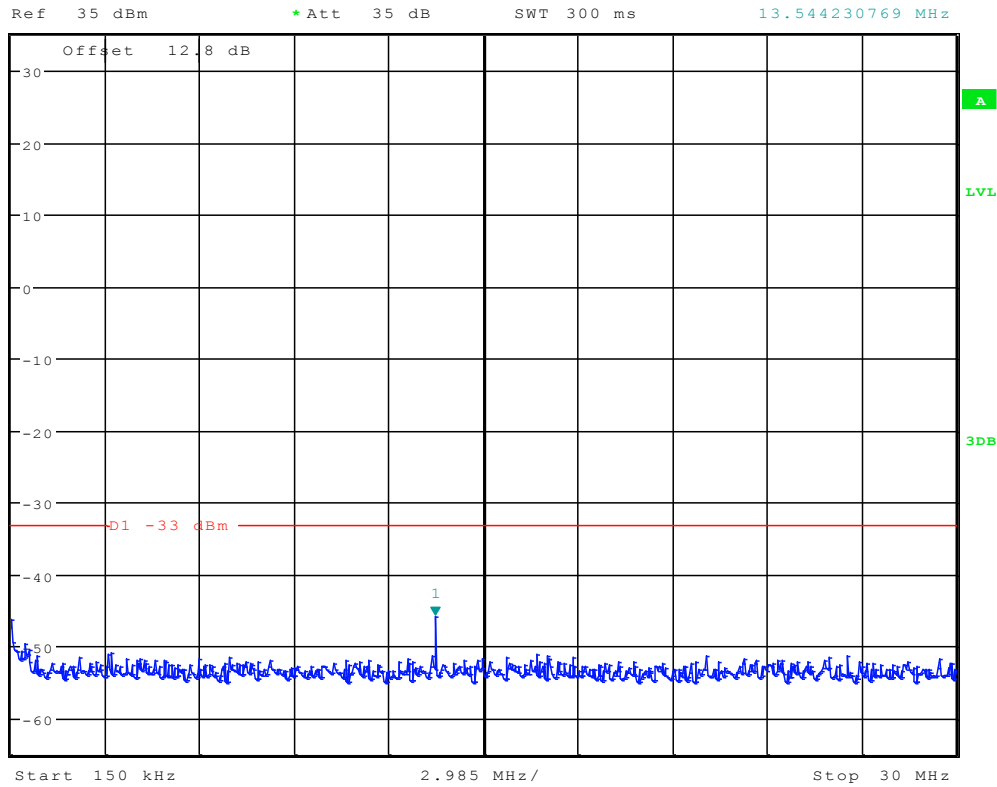
1.1.1.1 Channel = L



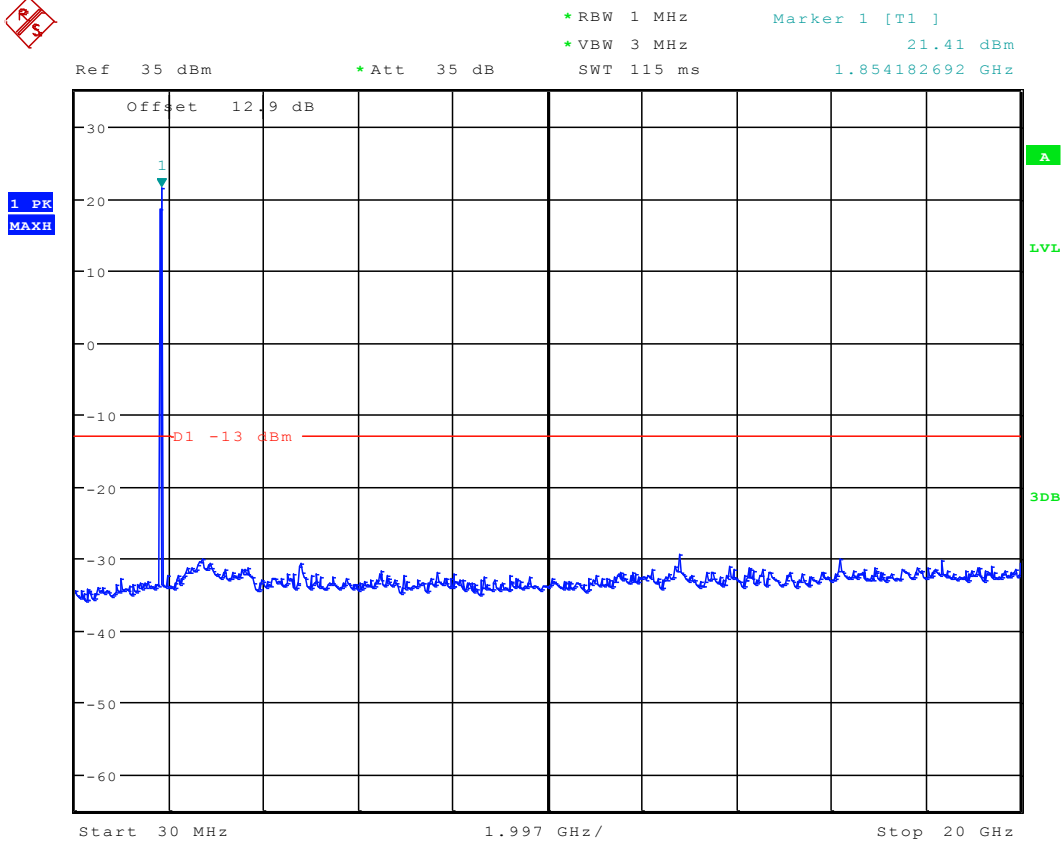
Date: 14.SEP.2012 09:42:59



* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -45.71 dBm
SWT 300 ms 13.544230769 MHz



Date: 14.SEP.2012 09:43:43



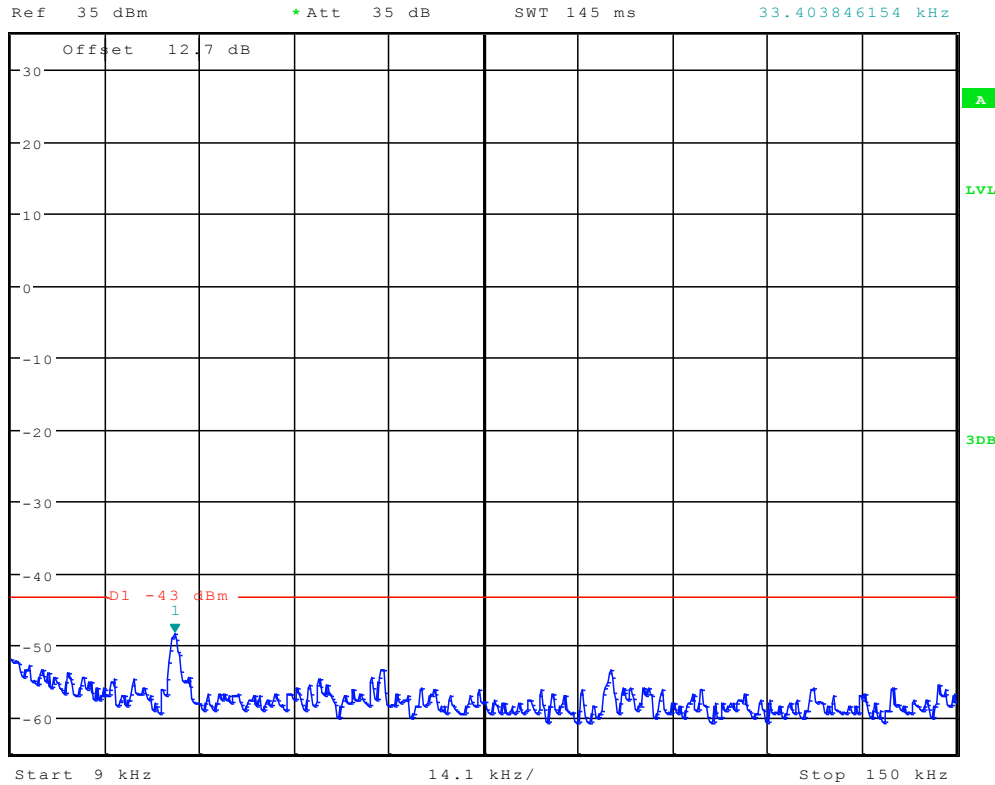
Date: 14.SEP.2012 09:44:27



1.1.1.2 Channel = M



*RBW 1 kHz Marker 1 [T1]
*VBW 10 kHz -48.29 dBm
SWT 145 ms 33.403846154 kHz



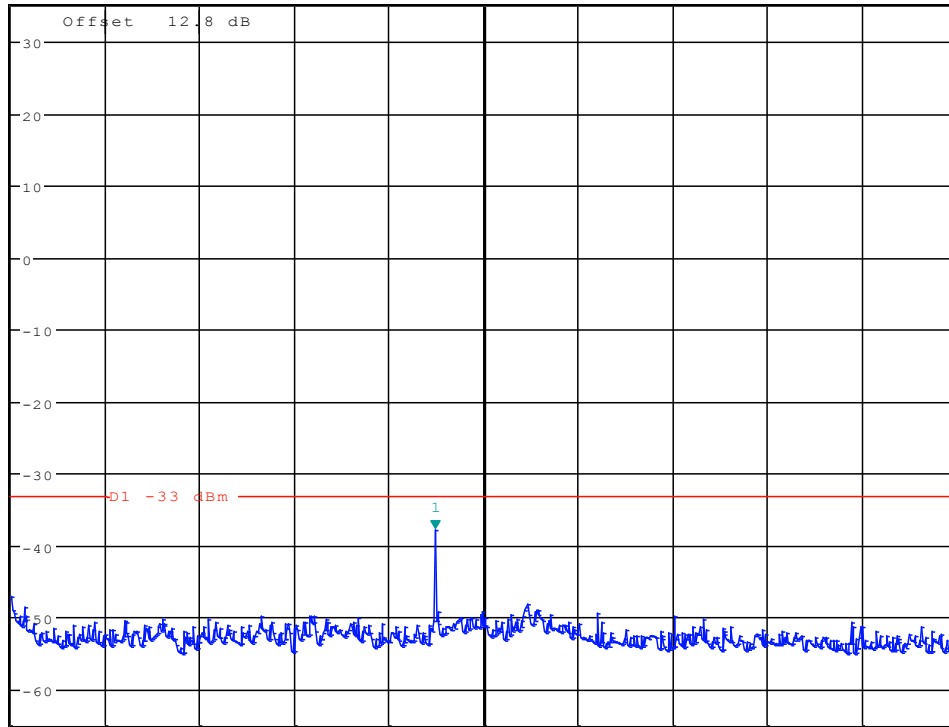
Date: 14.SEP.2012 09:43:13



* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -37.83 dBm
SWT 300 ms 13.544230769 MHz

Ref 35 dBm

* Att 35 dB

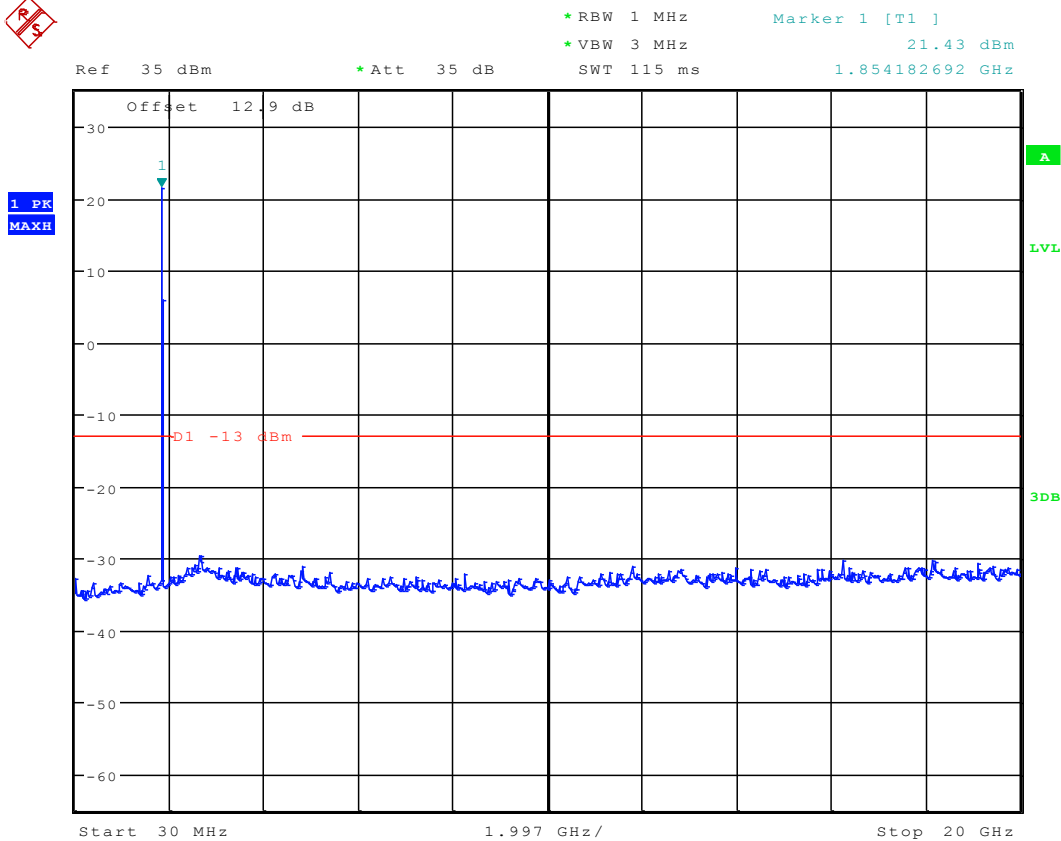


Start 150 kHz

2.985 MHz/

Stop 30 MHz

Date: 14.SEP.2012 09:43:57



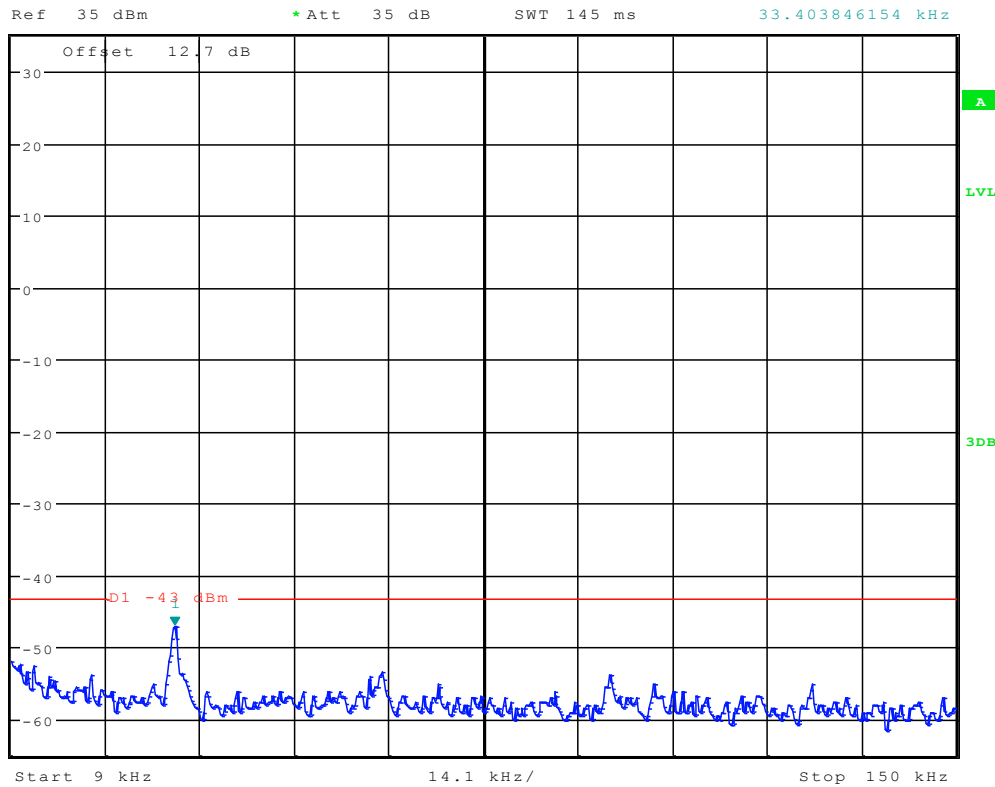
Date: 14.SEP.2012 09:44:41



1.1.1.3 Channel = H



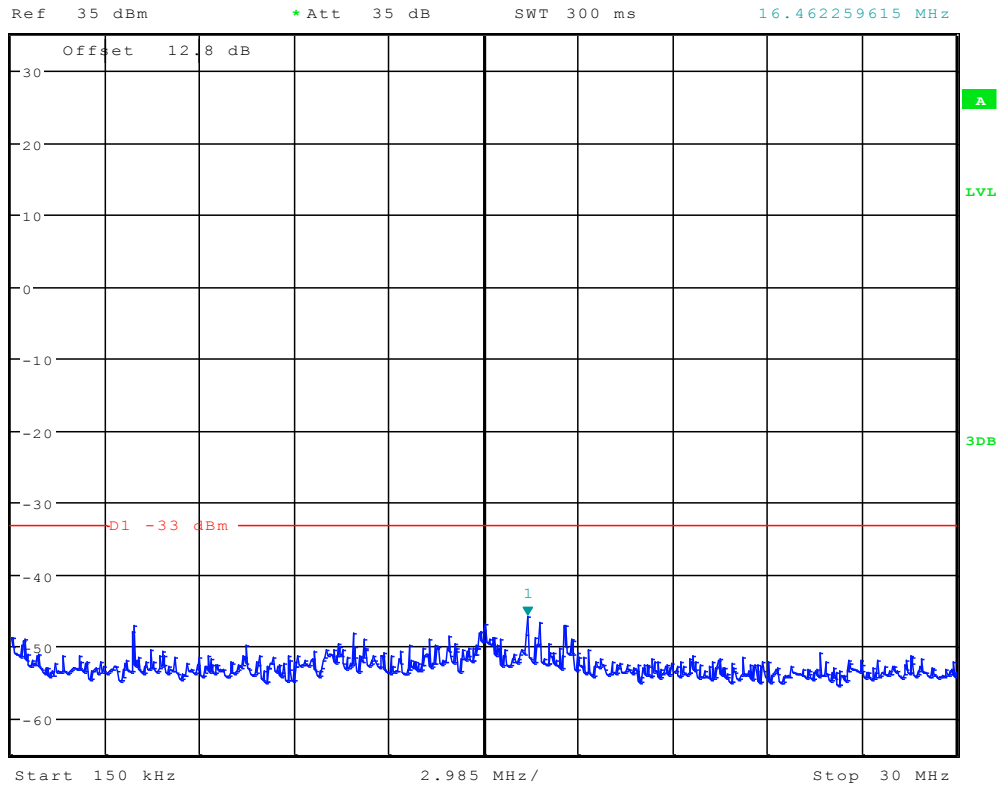
*RBW 1 kHz Marker 1 [T1]
*VBW 10 kHz -46.96 dBm
SWT 145 ms 33.403846154 kHz



Date: 14.SEP.2012 09:43:28



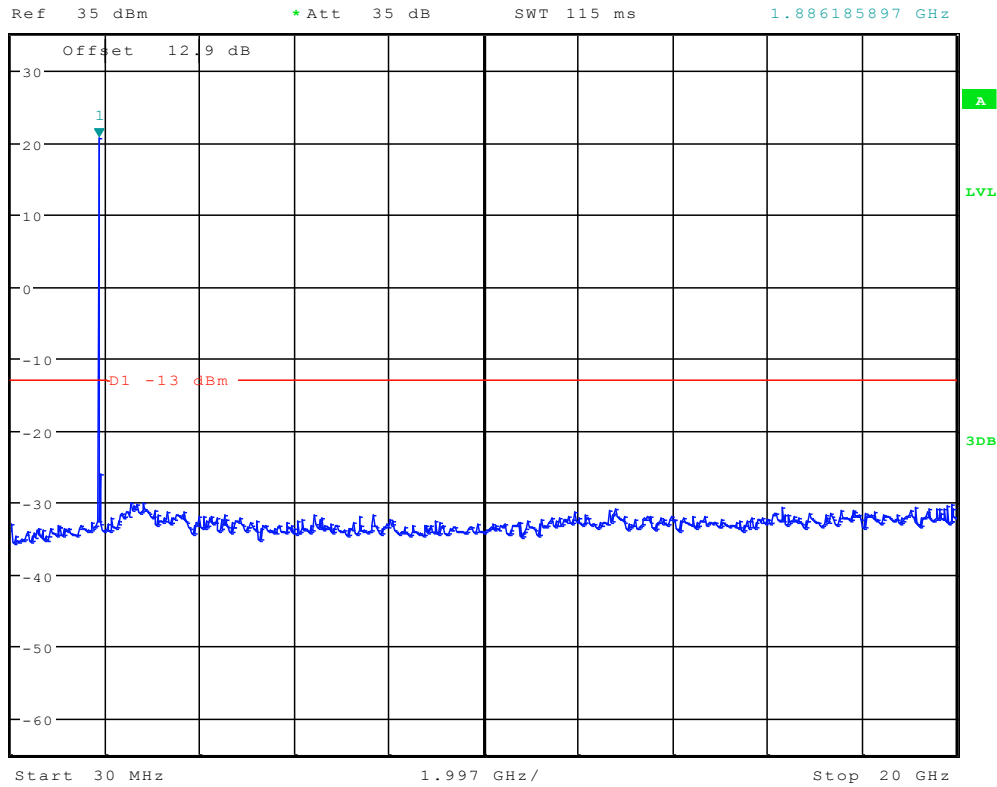
* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -45.88 dBm
SWT 300 ms 16.462259615 MHz



Date: 14.SEP.2012 09:48:14



* RBW 1 MHz Marker 1 [T1]
* VBW 3 MHz 20.71 dBm
SWT 115 ms 1.886185897 GHz



Date: 14.SEP.2012 09:44:55



2 For LTE Band 2

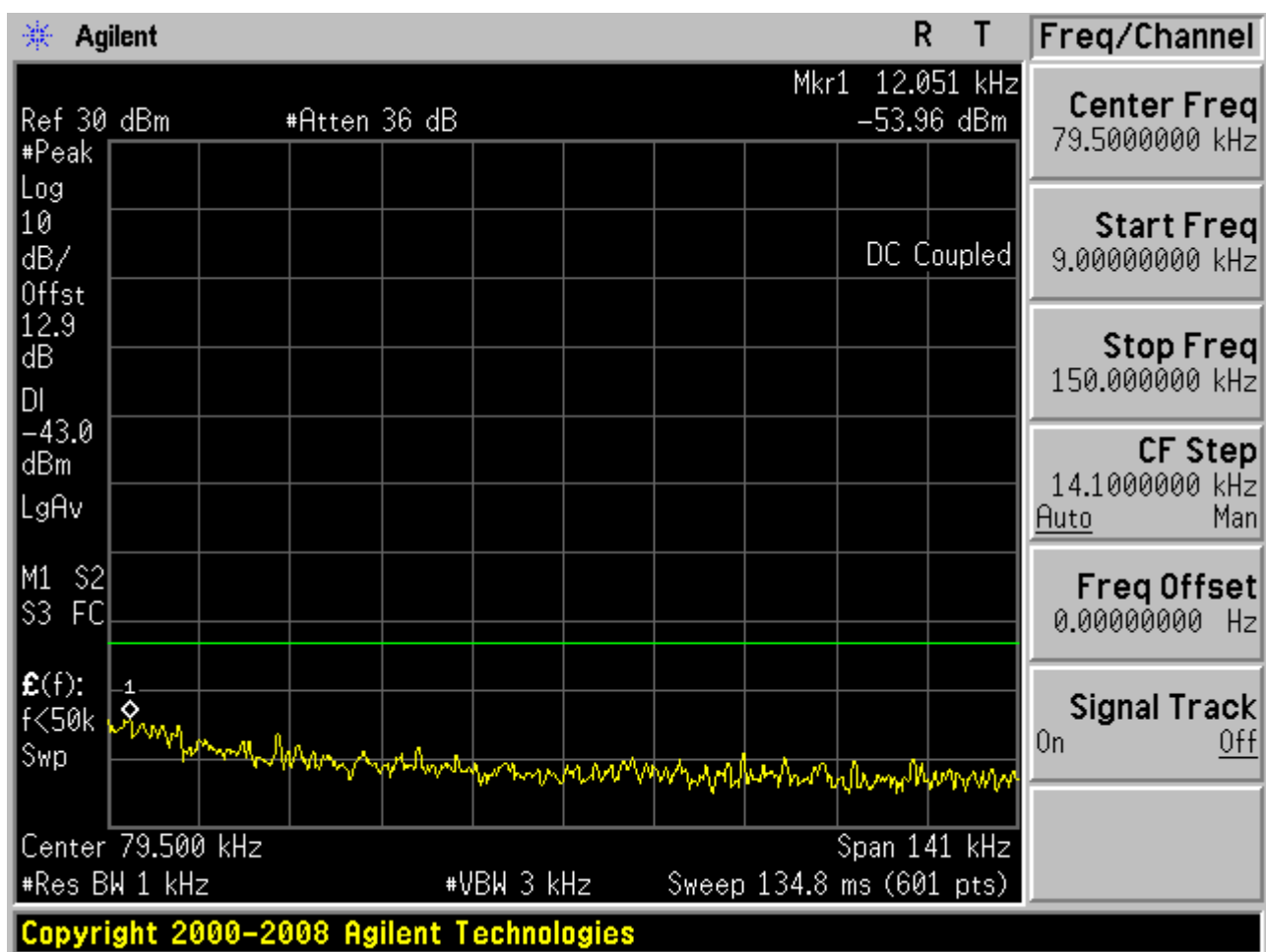
NOTE1: All relevant operation modes have been tested, and the 1RBs /RB#0 case data is included in this report.

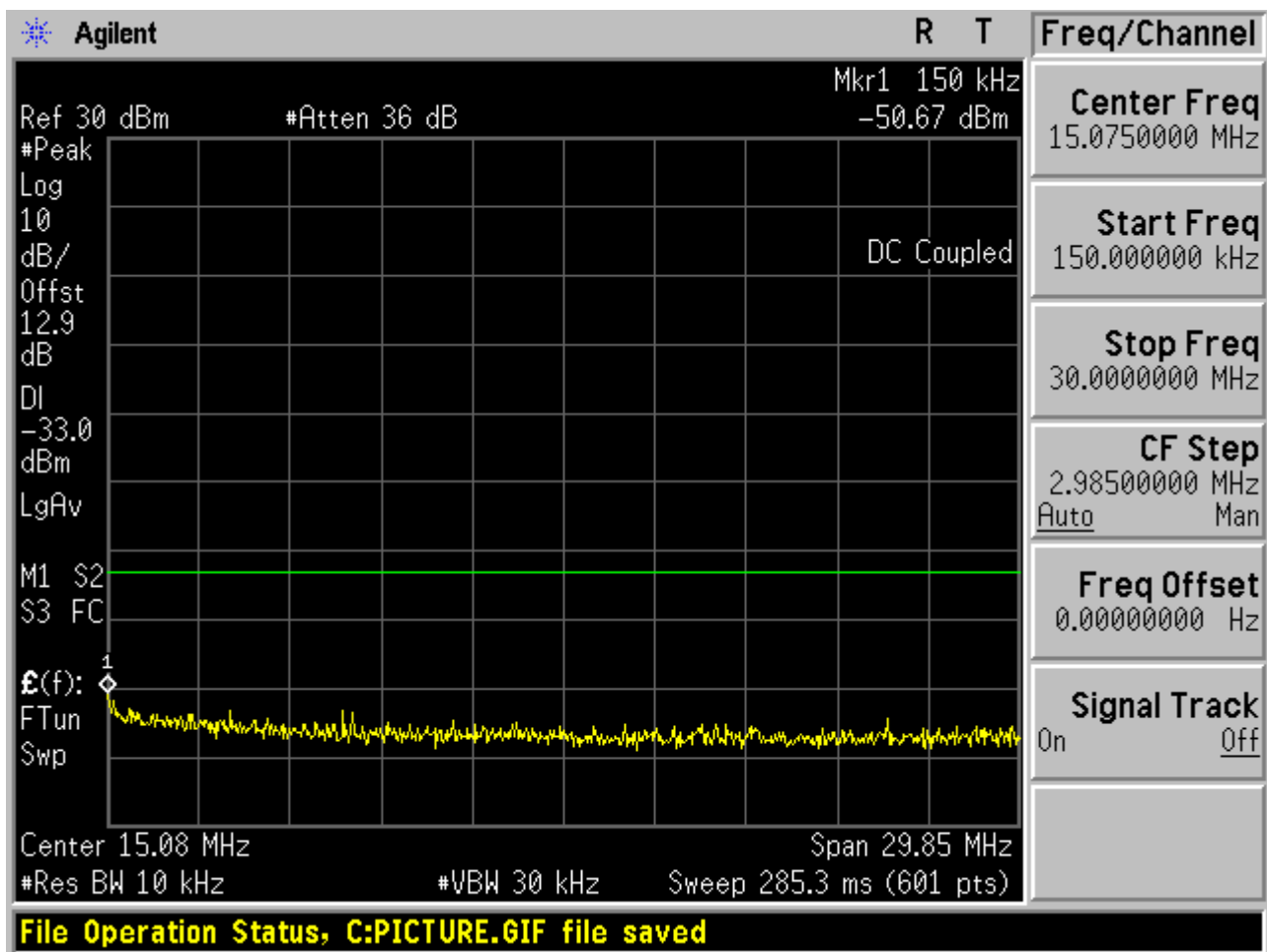
2.1 Test Mode=TM4

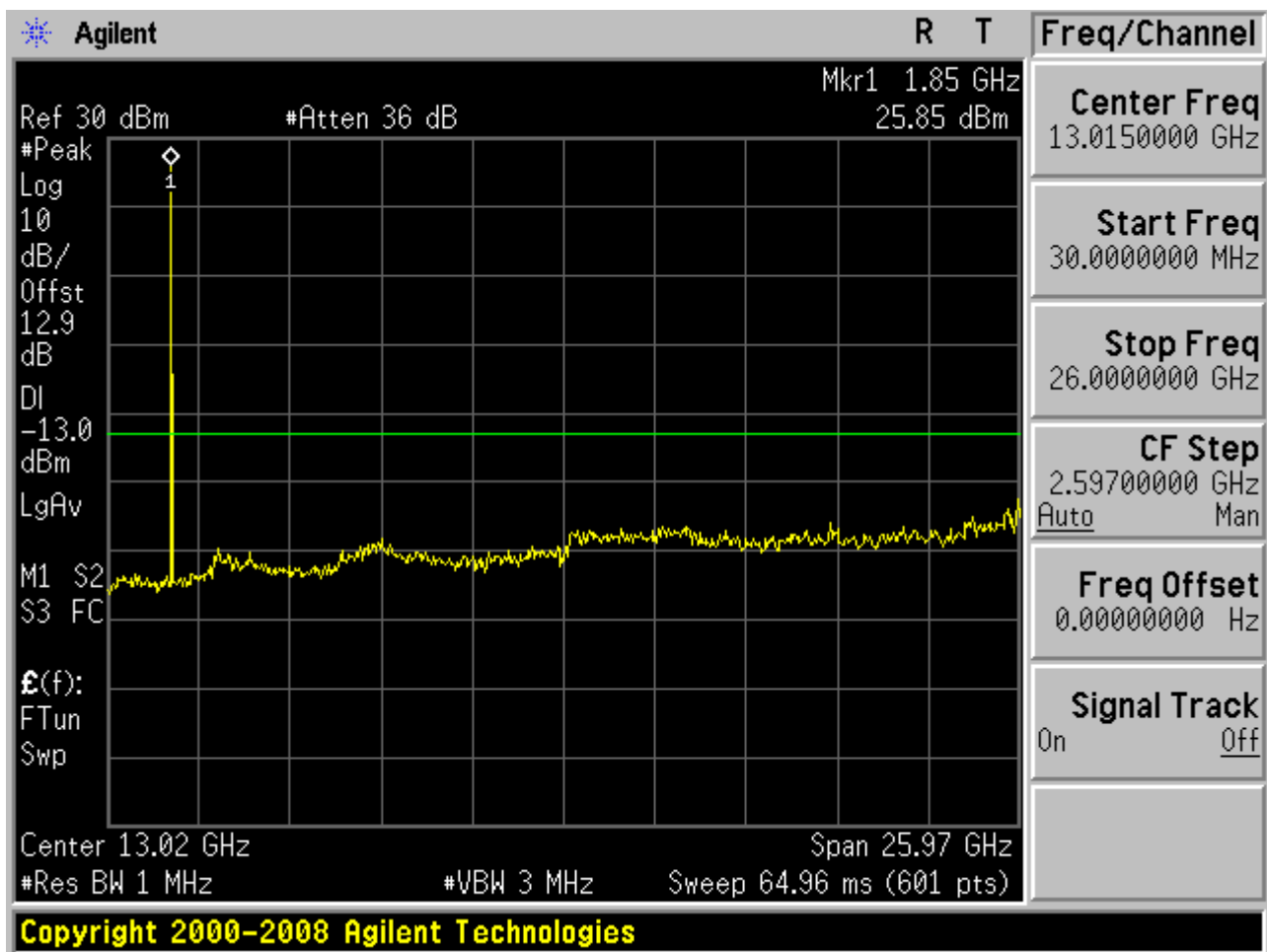
2.1.1 Channel Bandwidth = 1.4 MHz

2.1.1.1 Channel = L

2.1.1.1.1 QPSK/1RBs /RB #0



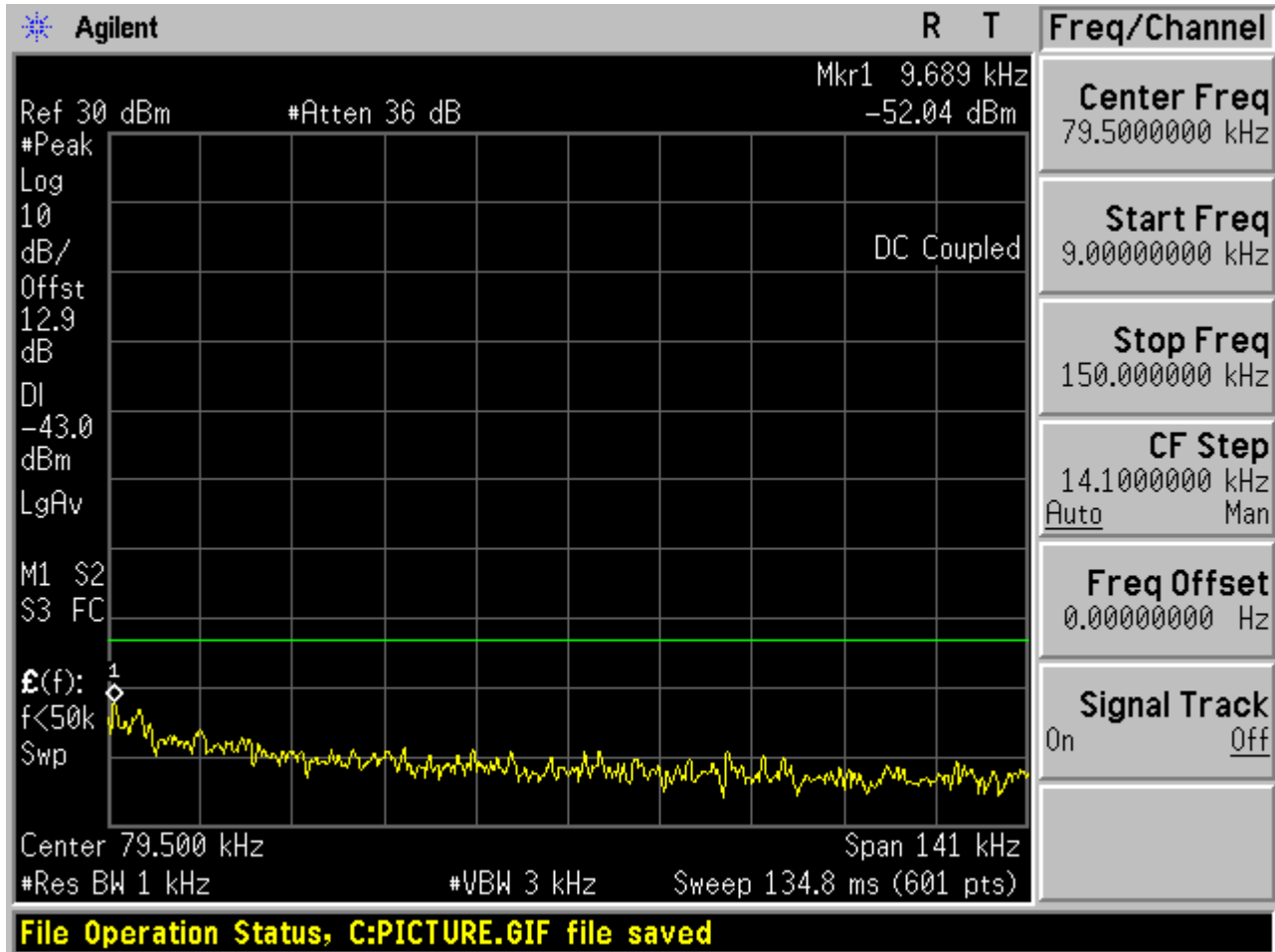


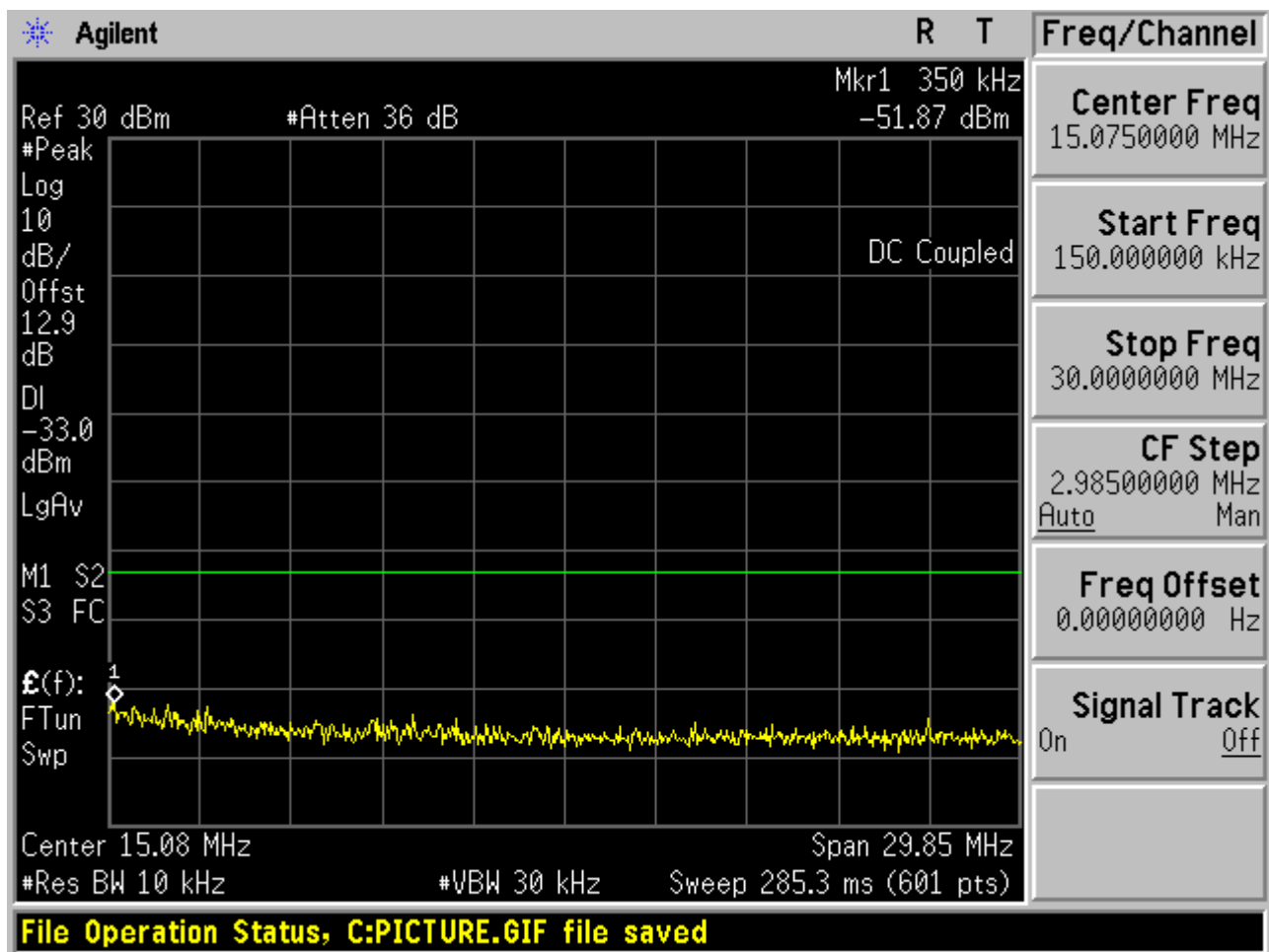


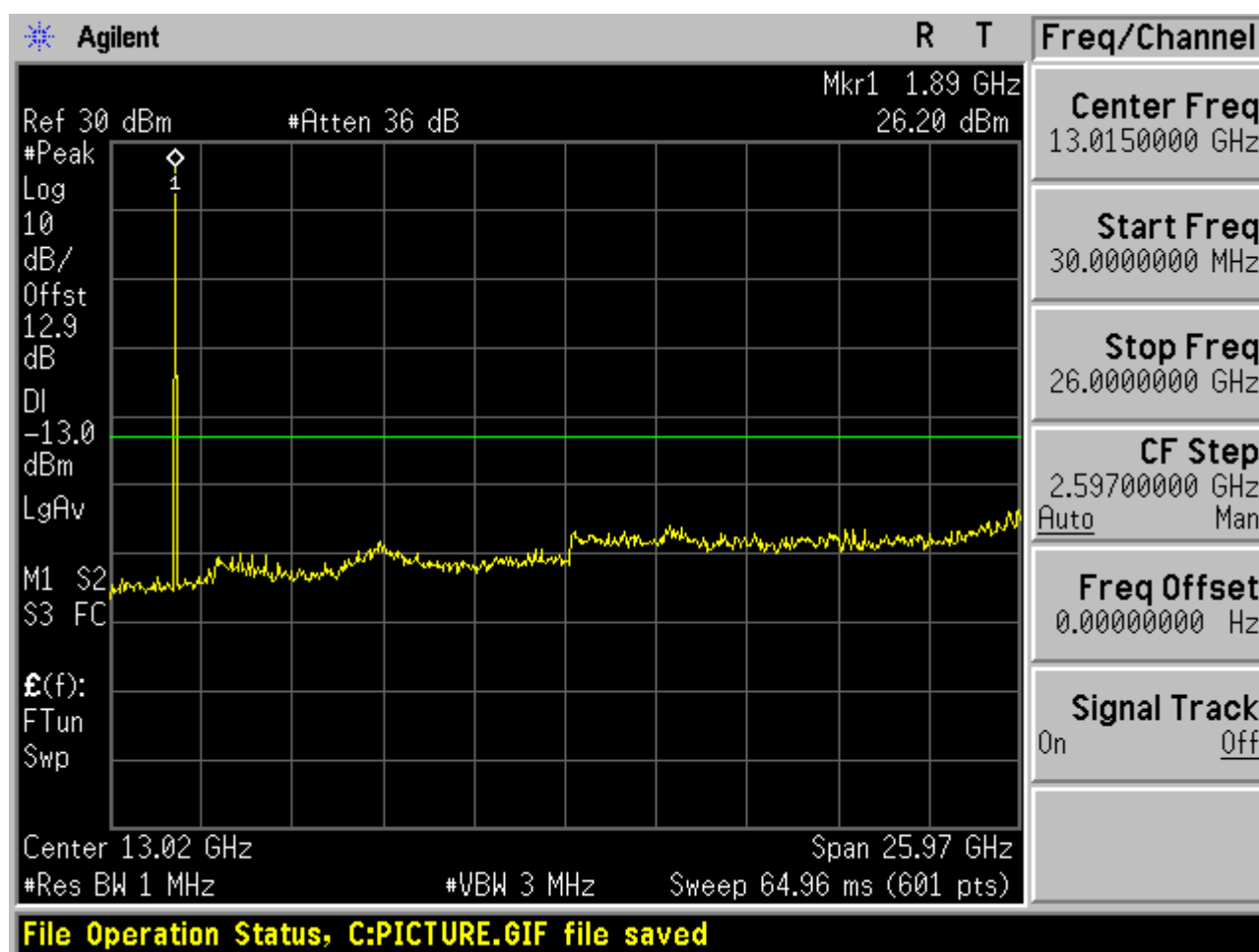


2.1.1.2 Channel = M

2.1.1.2.1 QPSK/1RBs /RB #0



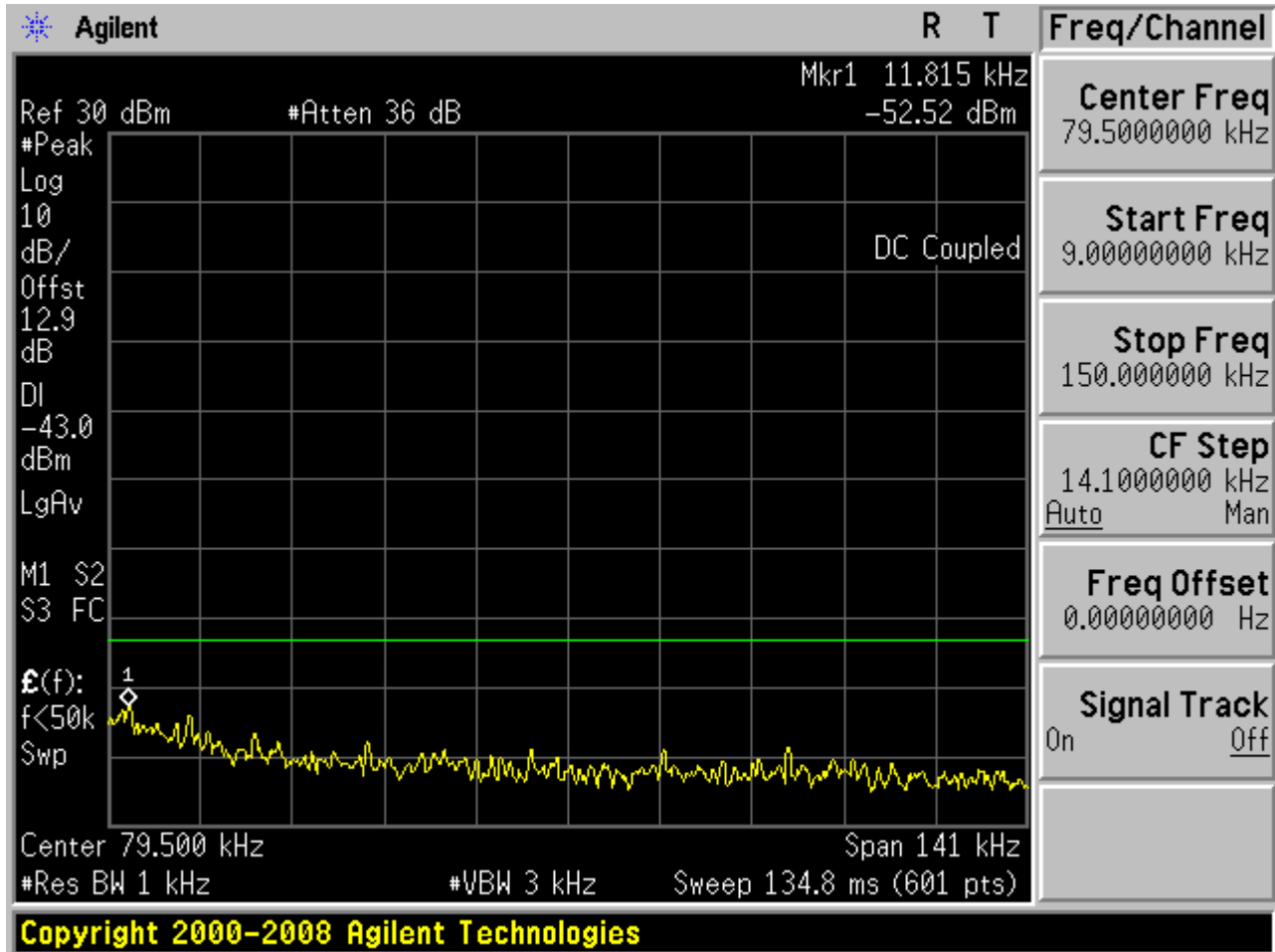


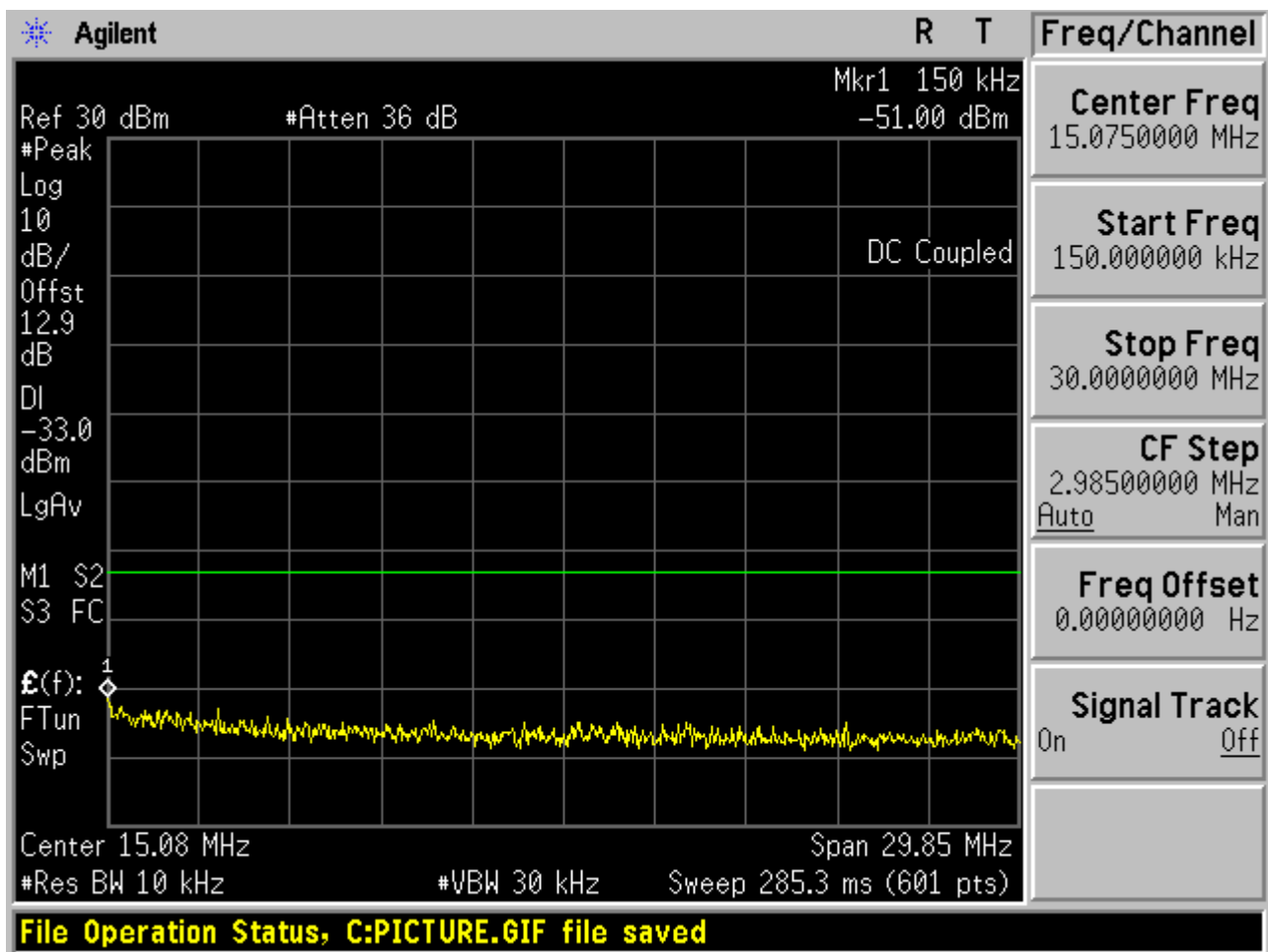


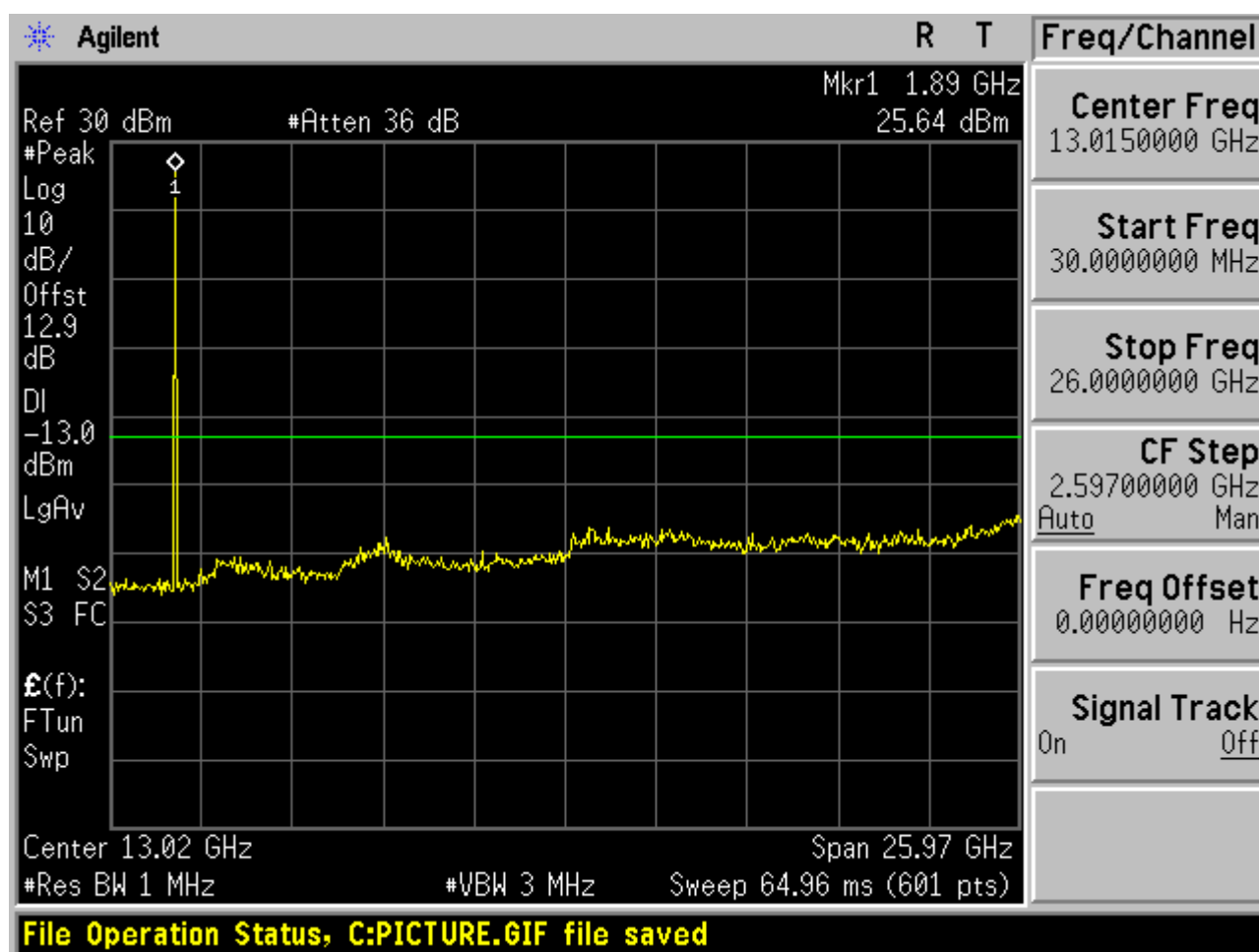


2.1.1.3 Channel = H

2.1.1.3.1 QPSK/1RBs /RB #0





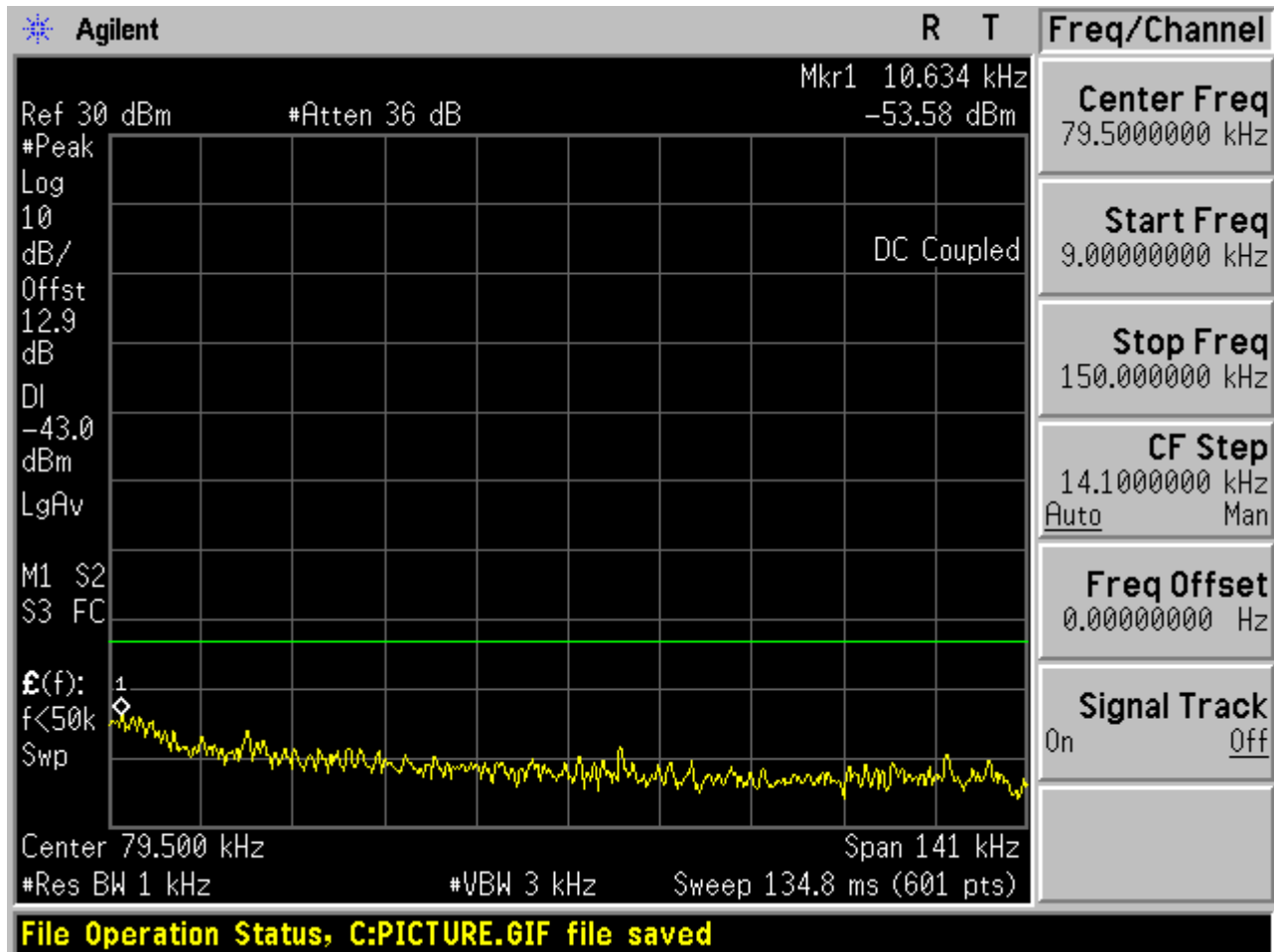


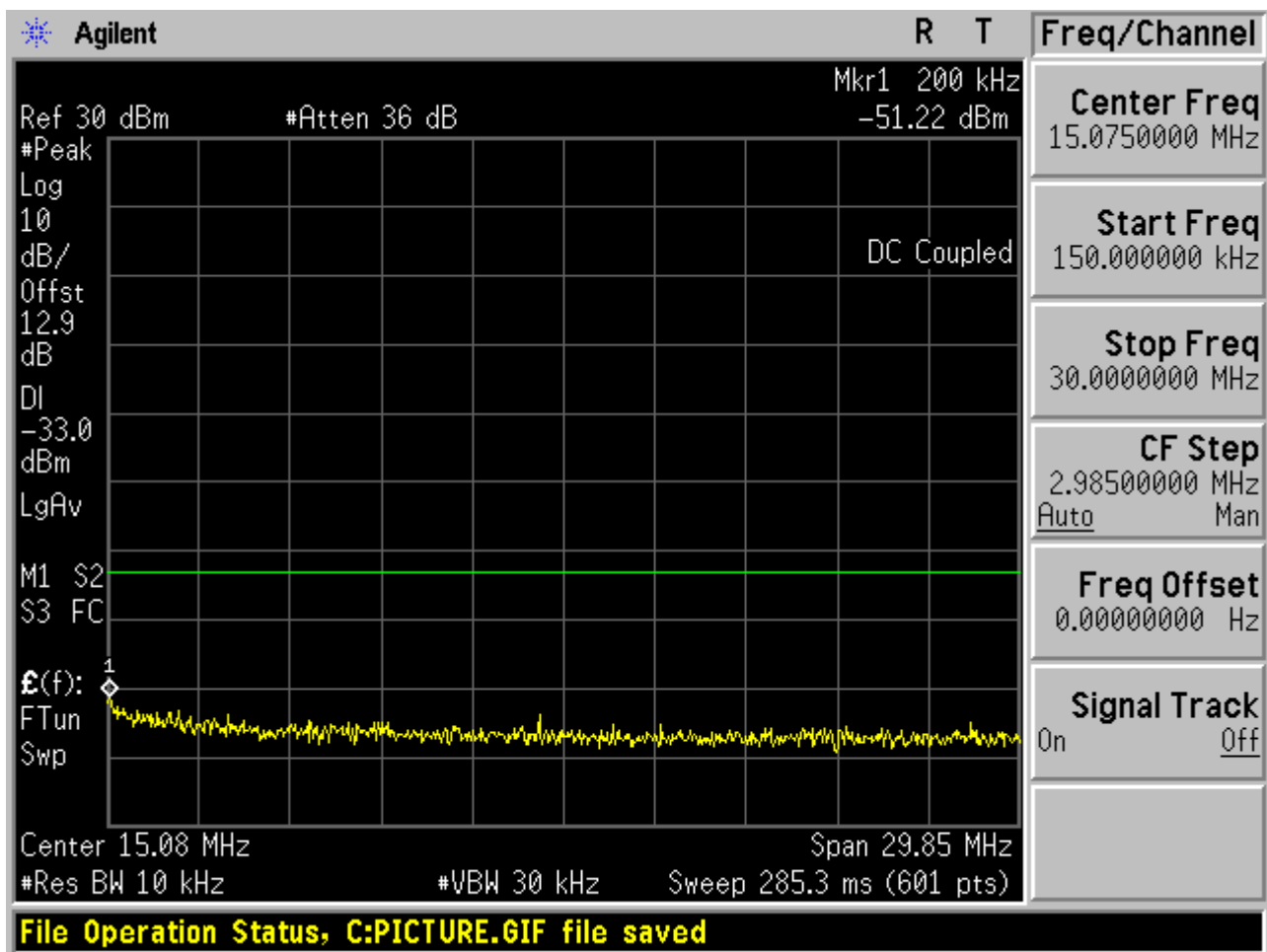


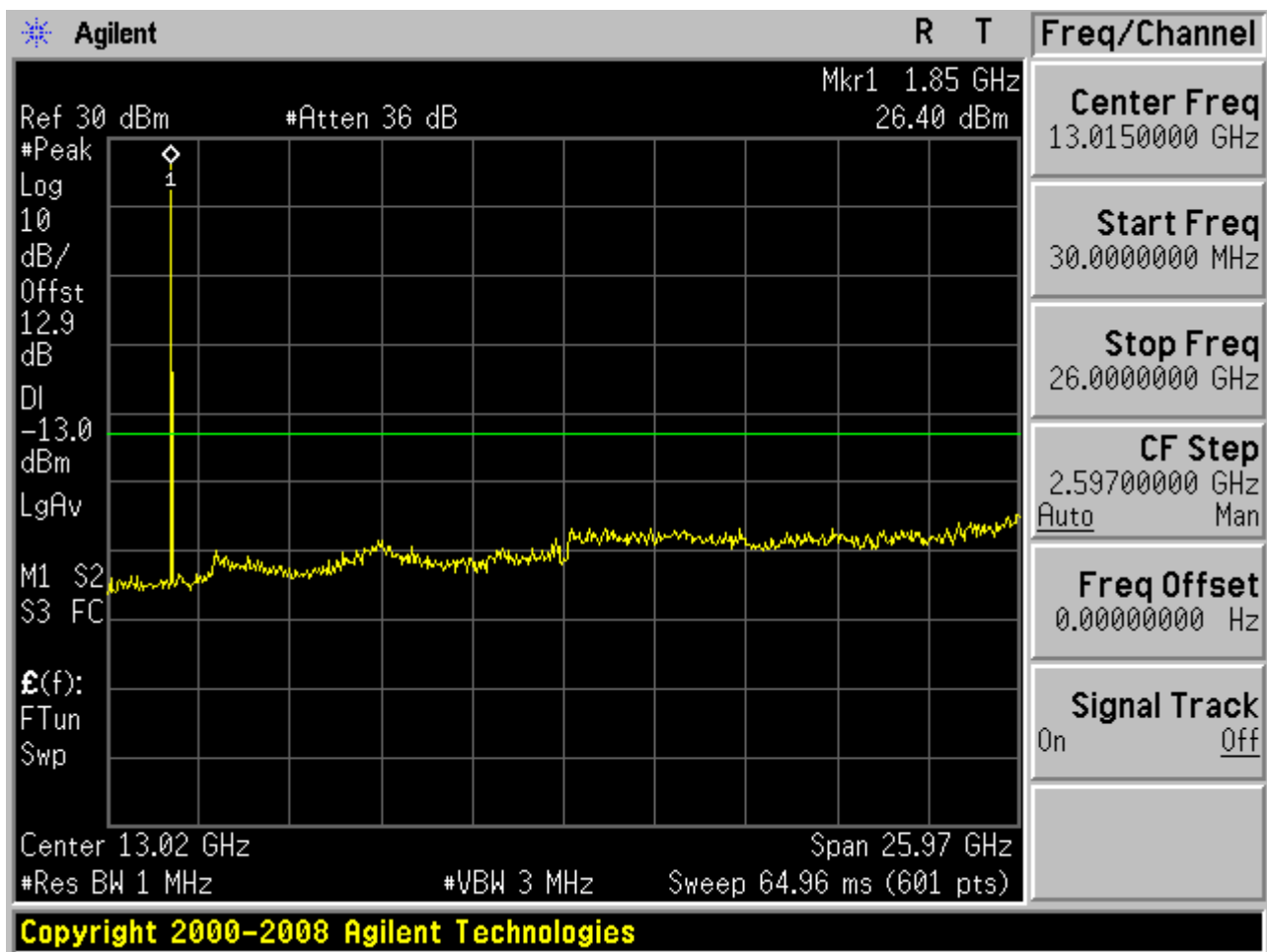
2.1.2 Channel Bandwidth = 3 MHz

2.1.2.1 Channel = L

2.1.2.1.1 QPSK/1RBs /RB #0



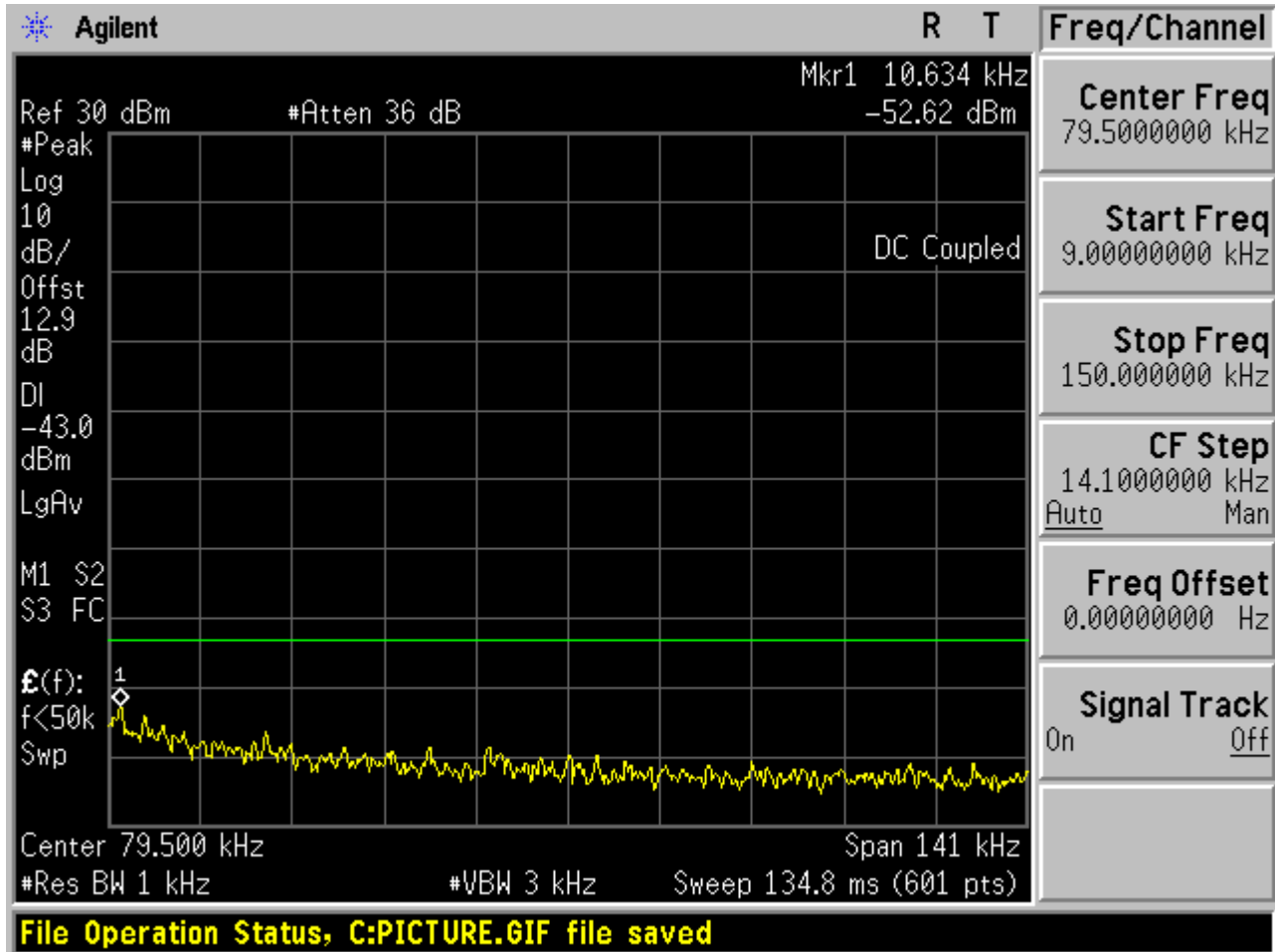


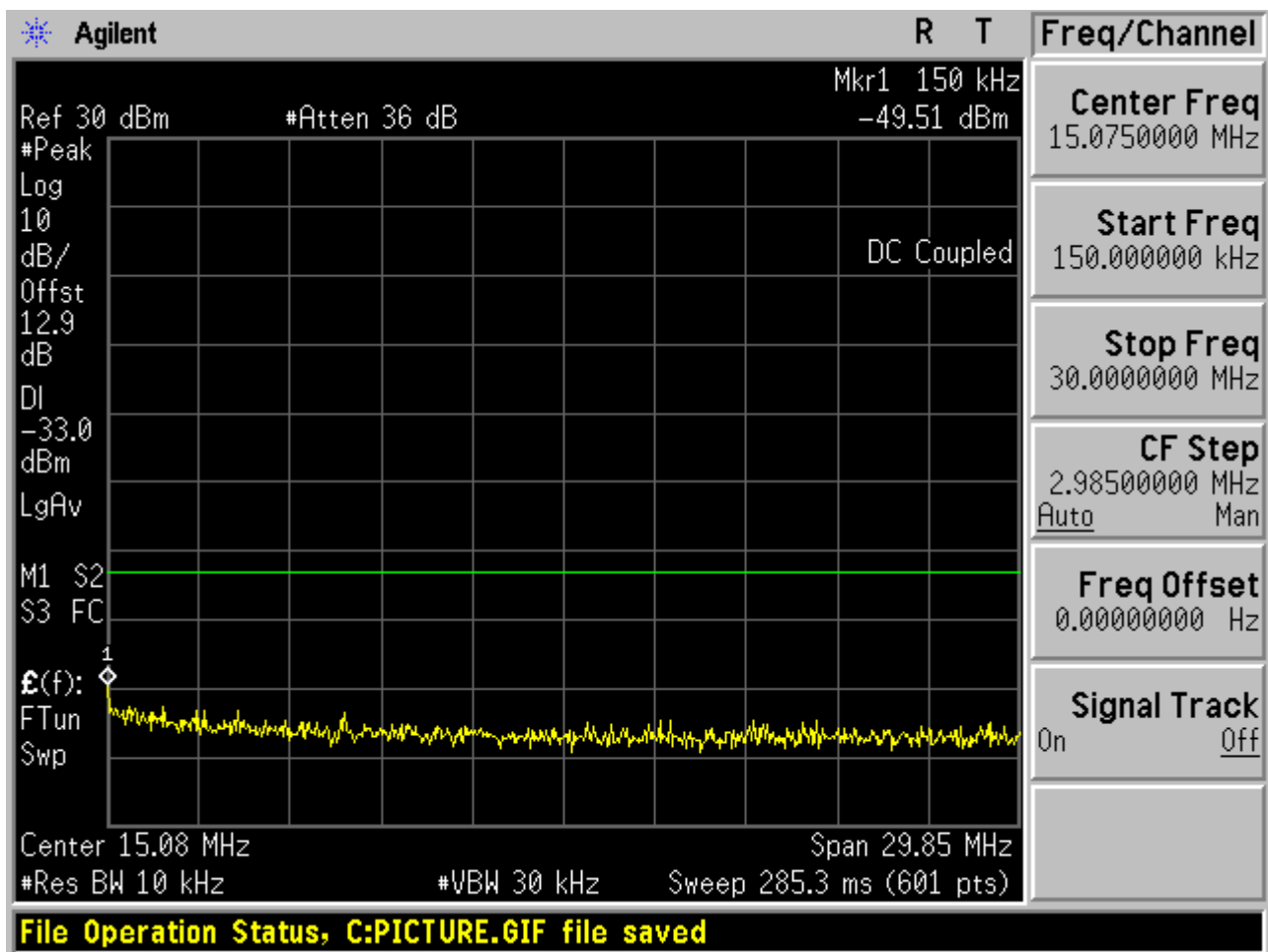


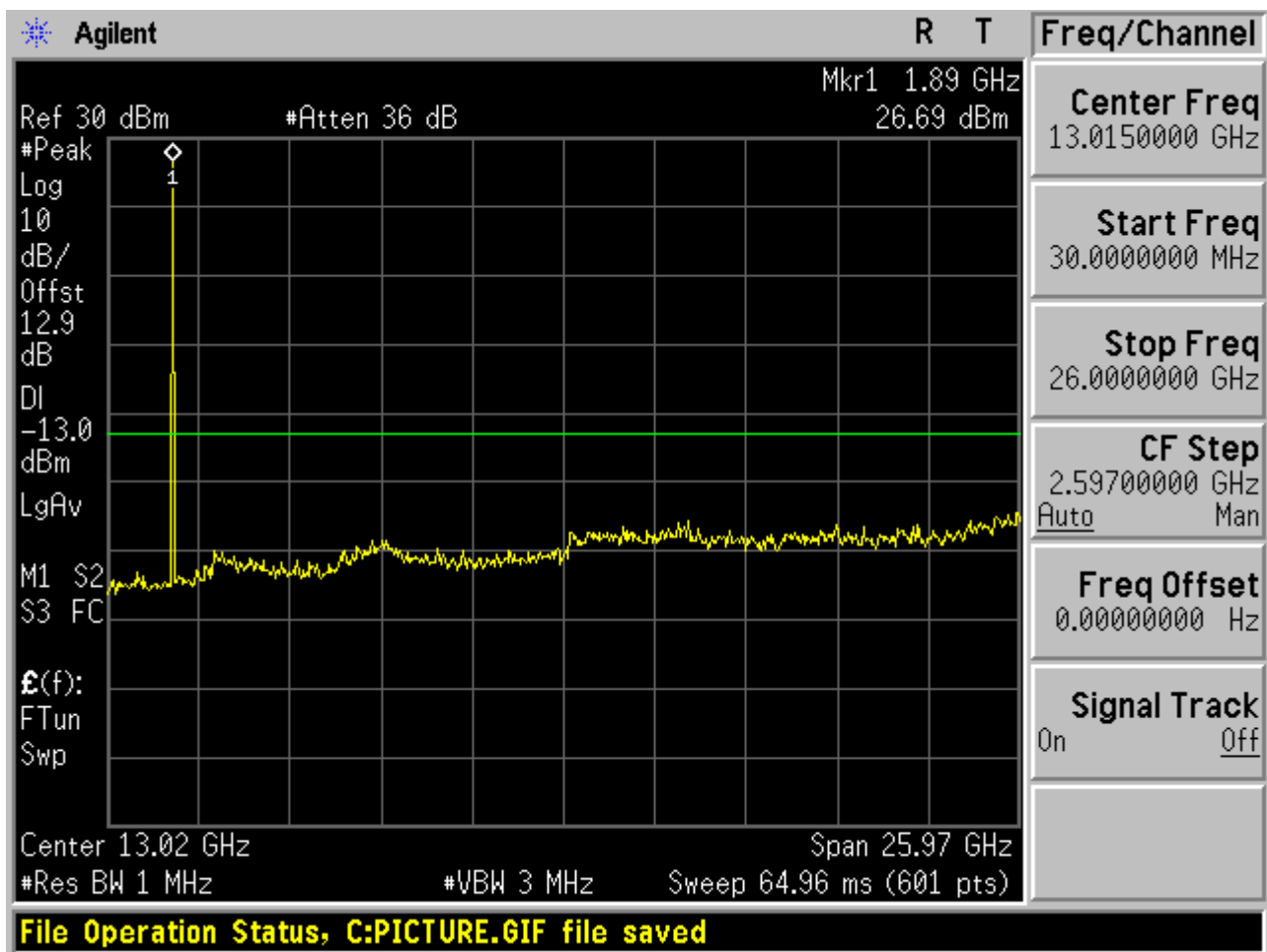


2.1.2.2 Channel = M

2.1.2.2.1 QPSK/1RBs /RB #0



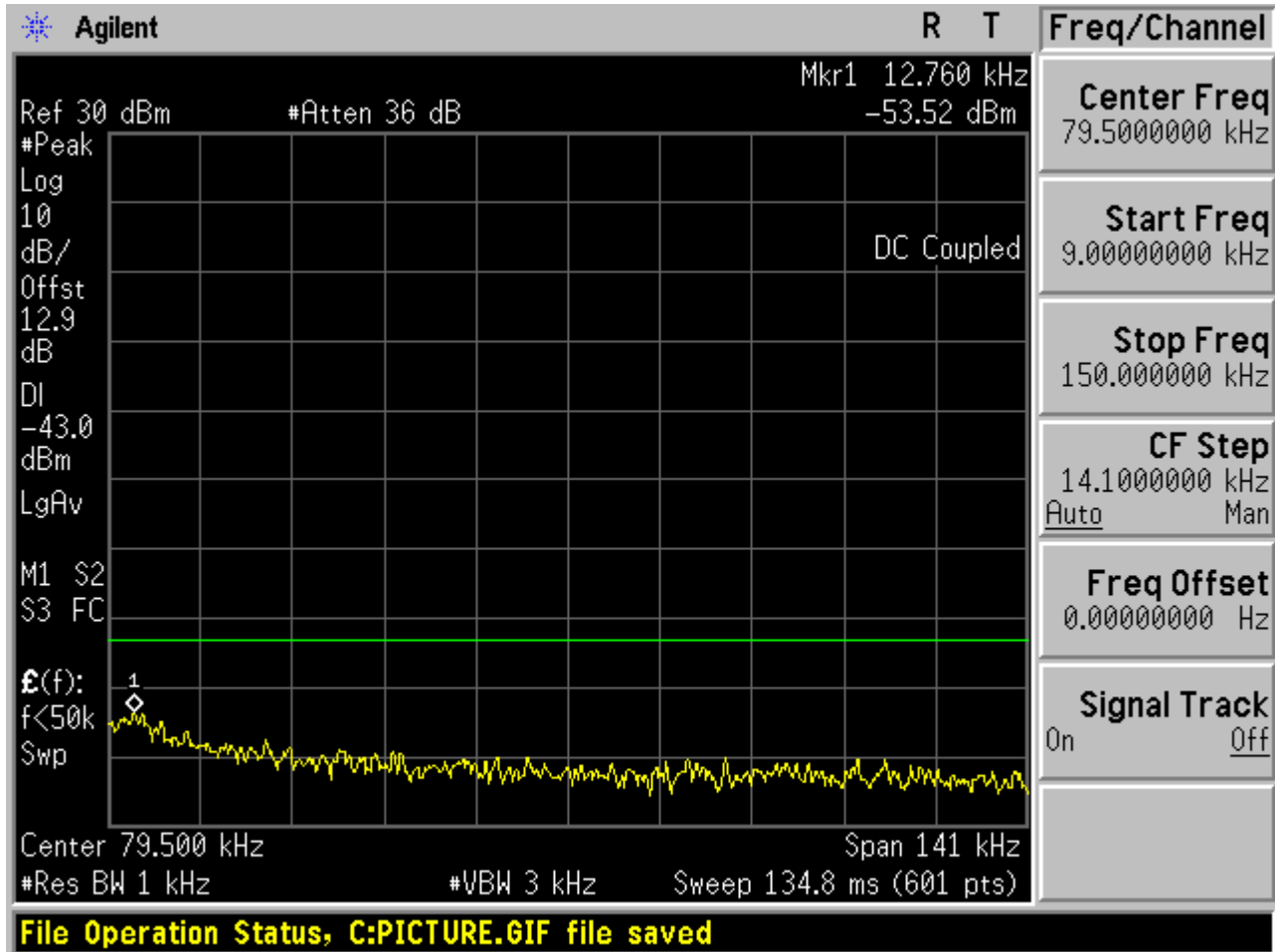


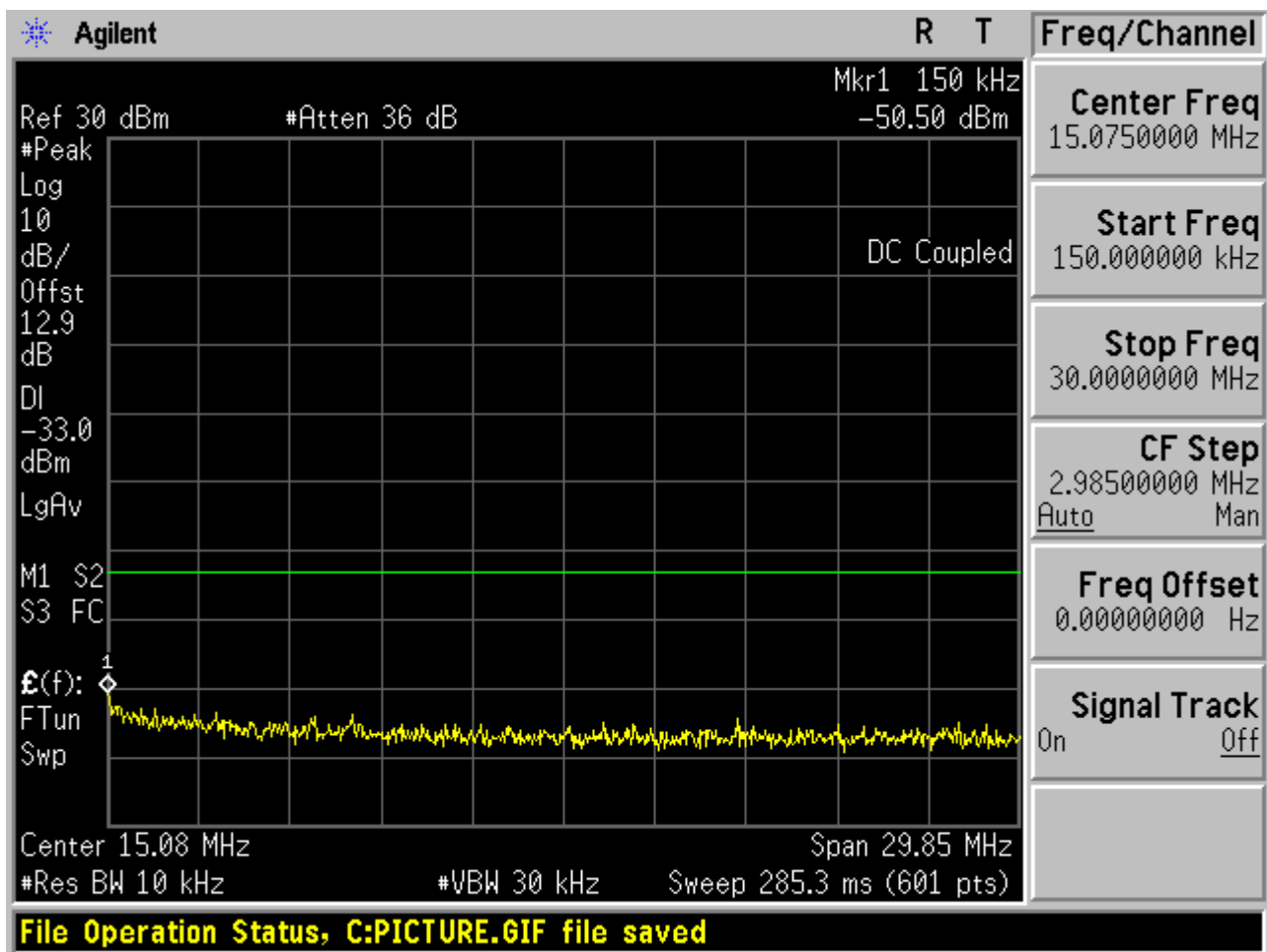


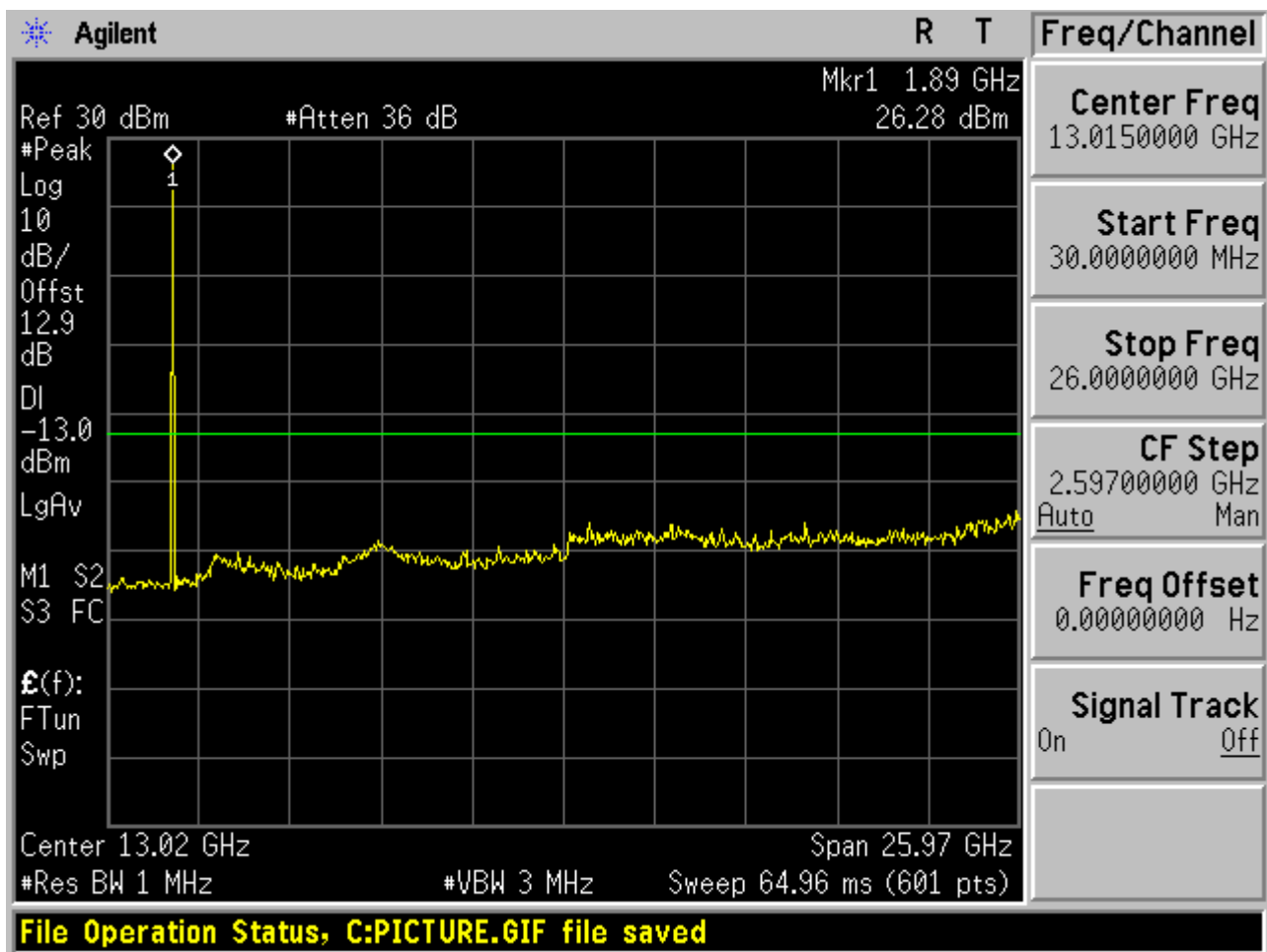


2.1.2.3 Channel = H

2.1.2.3.1 QPSK/1RBs /RB #0





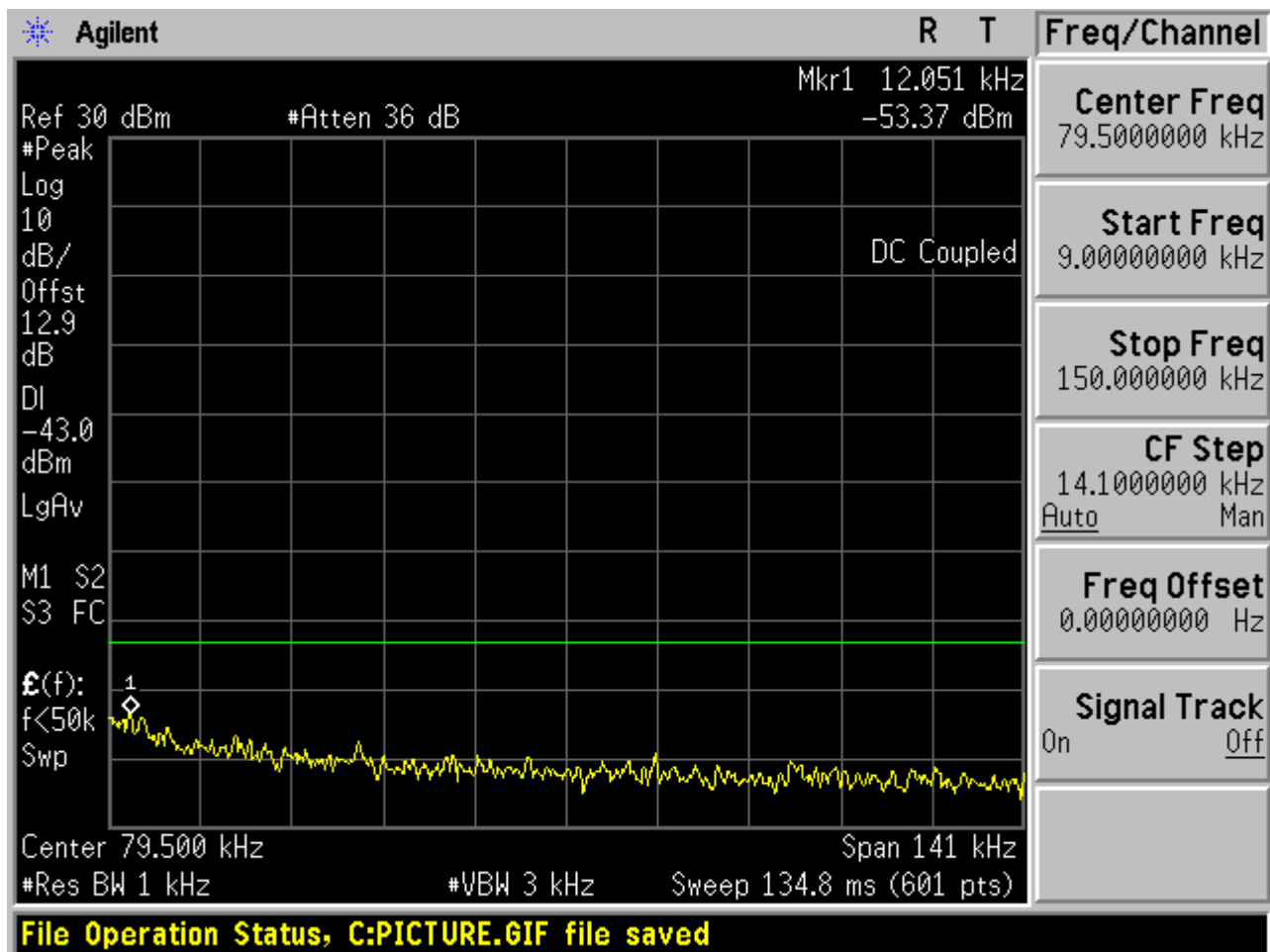


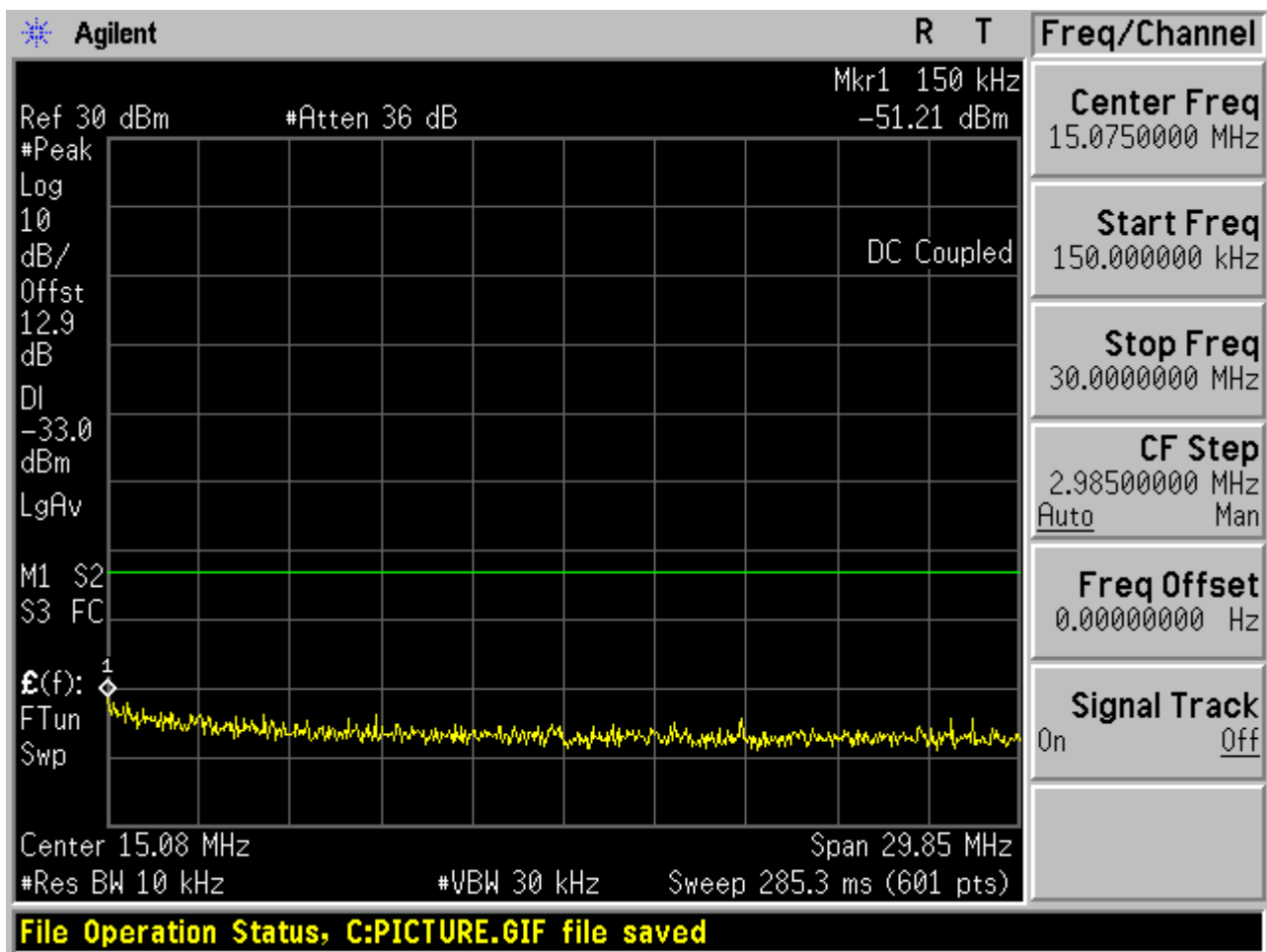


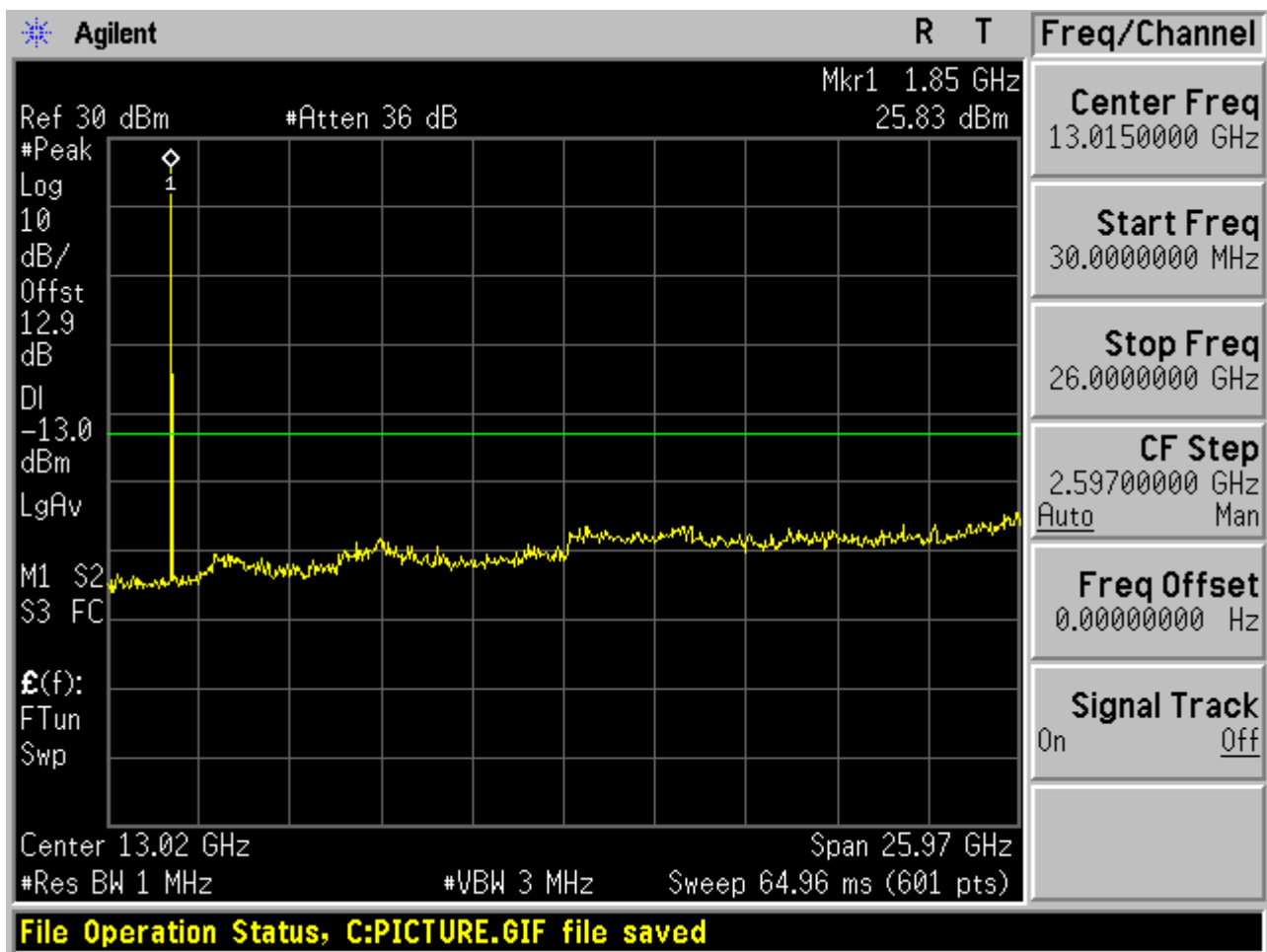
2.1.3 Channel Bandwidth = 5 MHz

2.1.3.1 Channel = L

2.1.3.1.1 QPSK/1RBs /RB #0



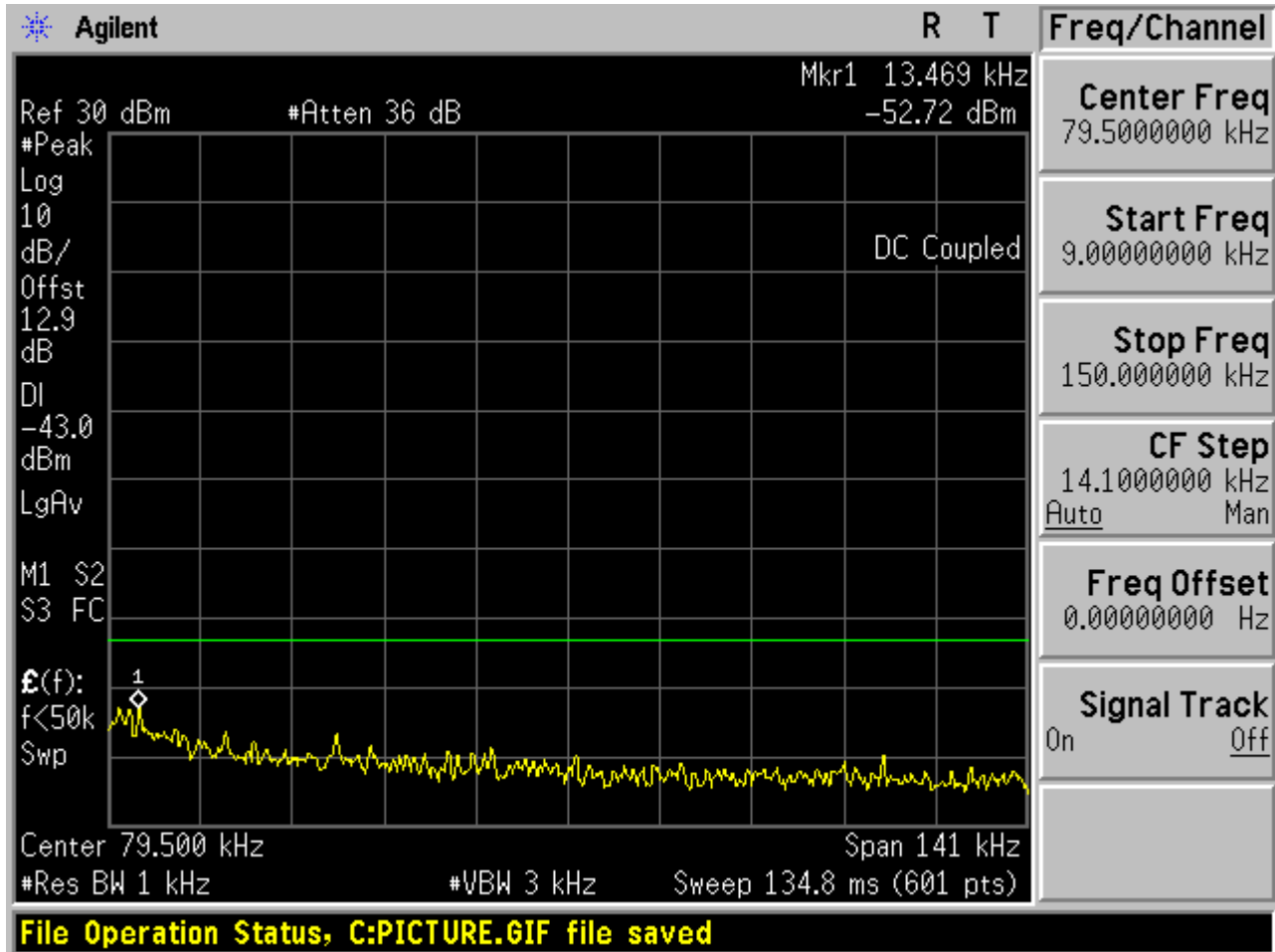


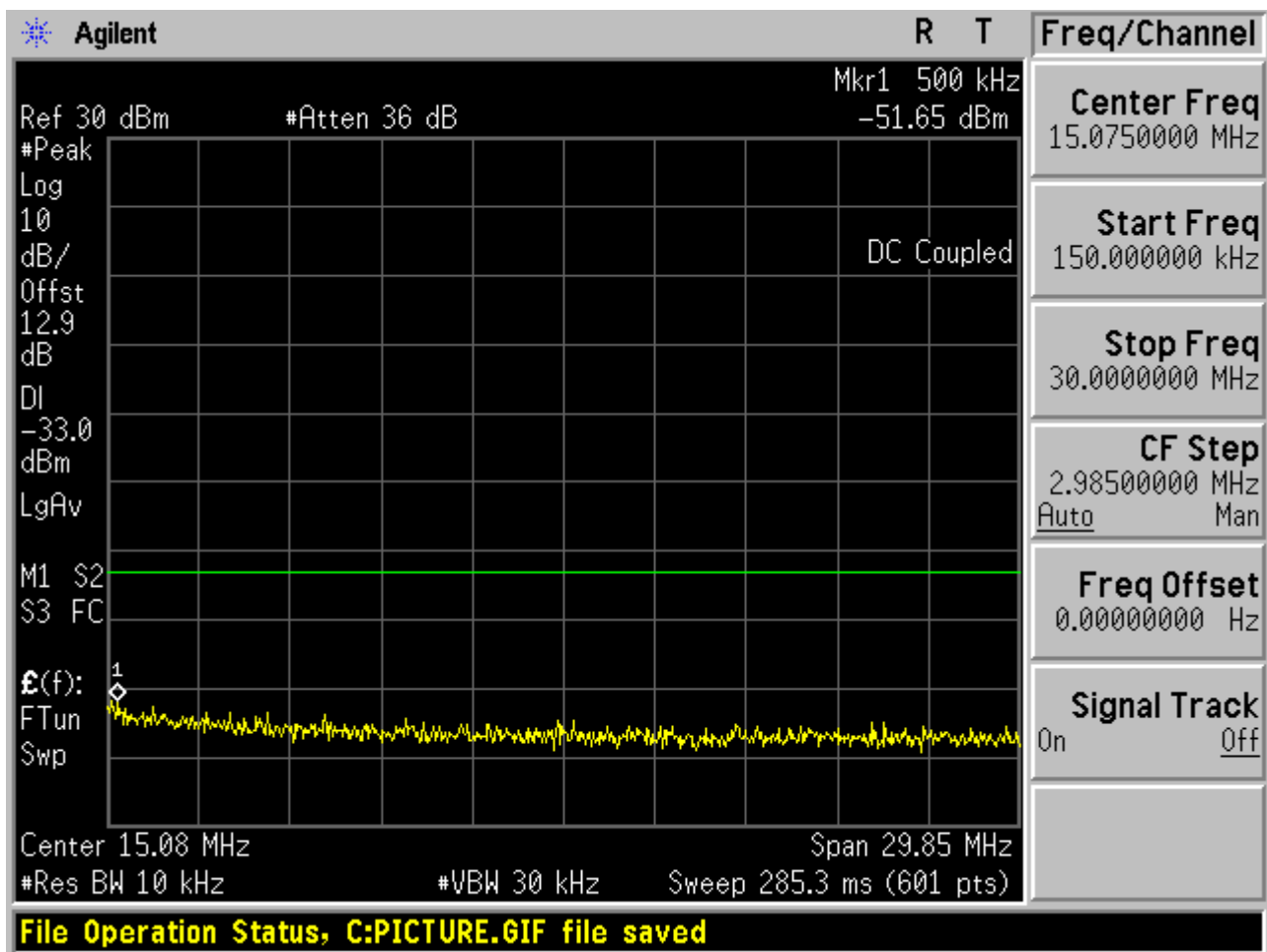


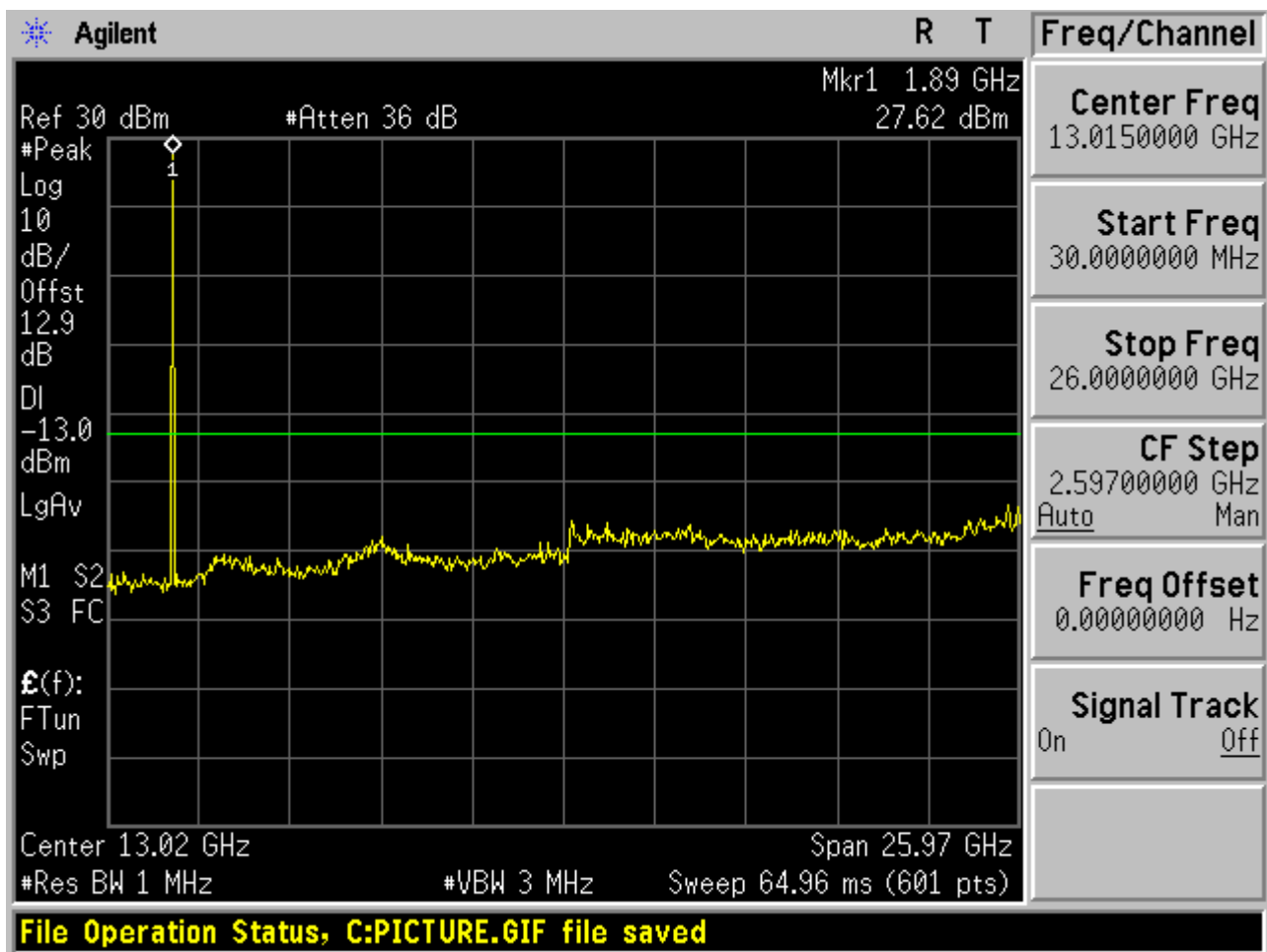


2.1.3.2 Channel = M

2.1.3.2.1 QPSK/1RBs /RB #0



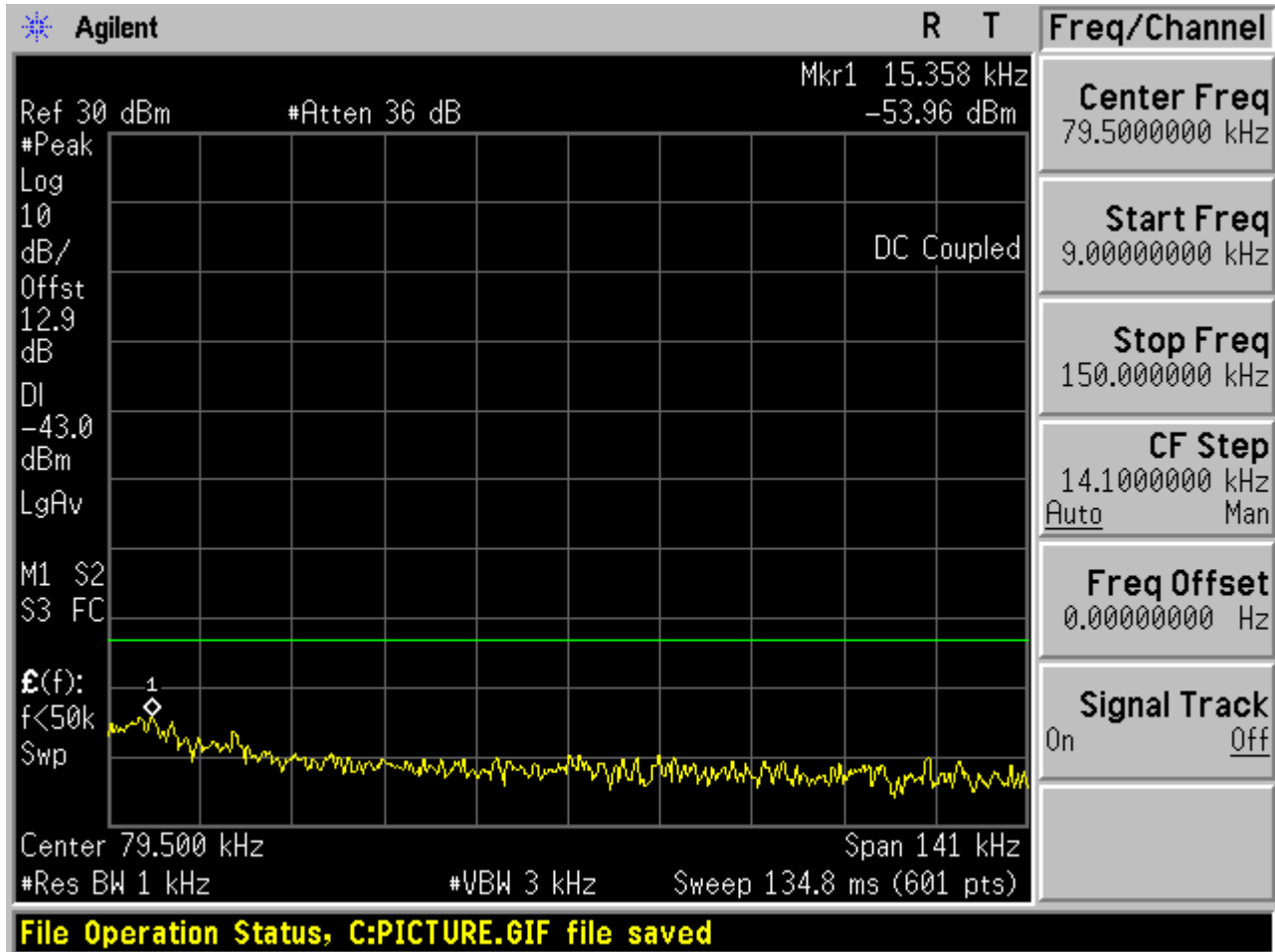


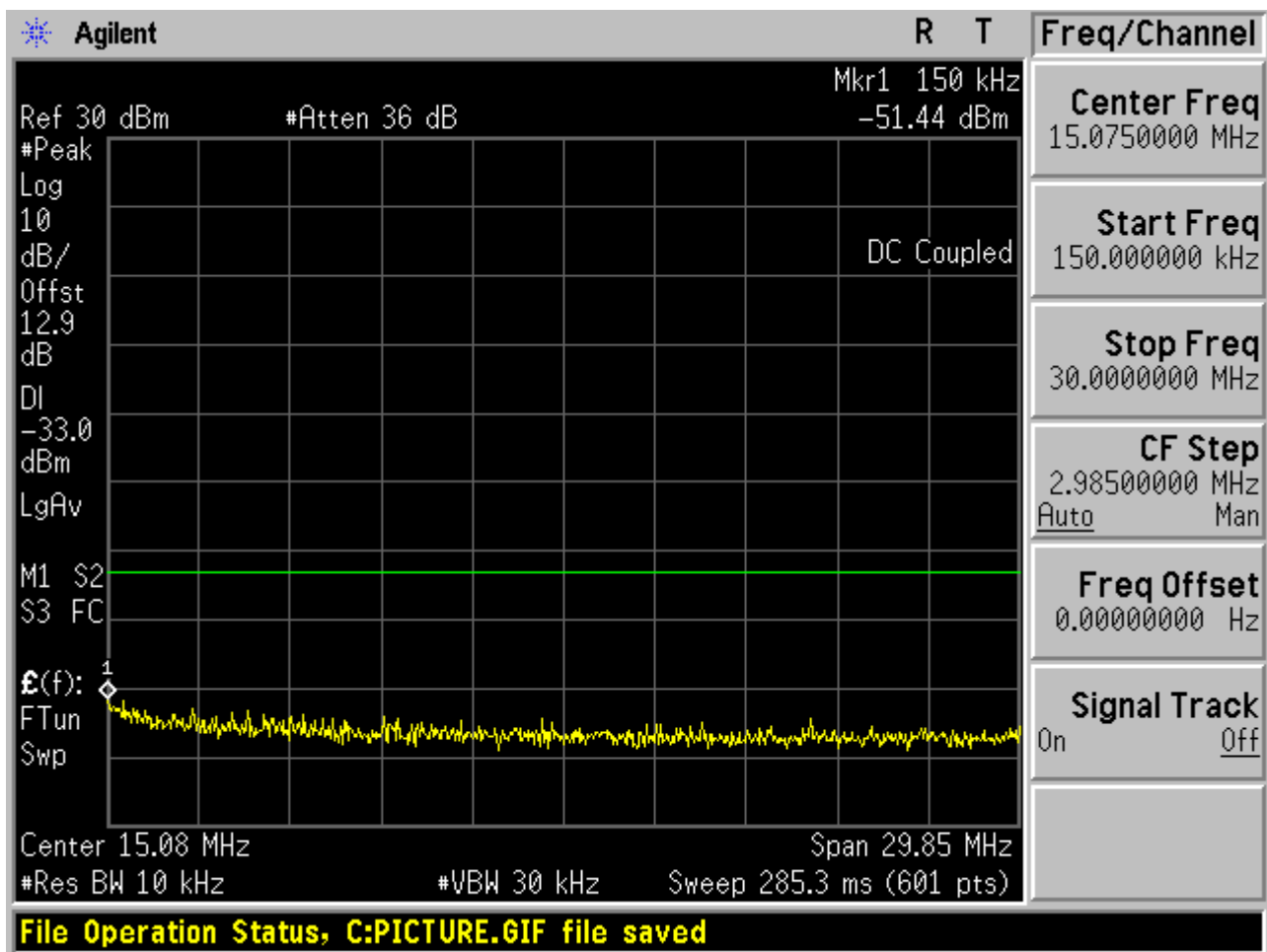


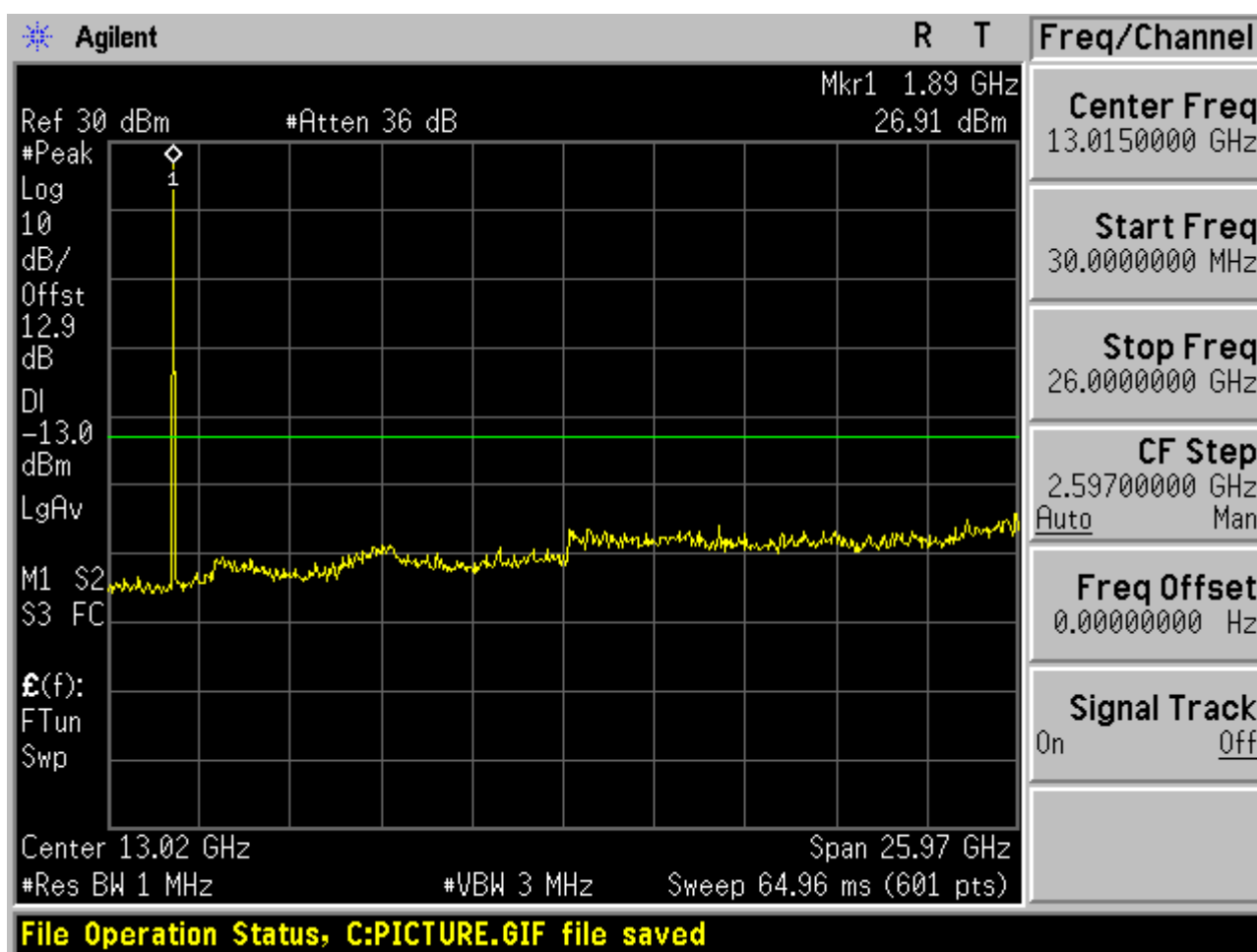


2.1.3.3 Channel = H

2.1.3.3.1 QPSK/1RBs /RB #0





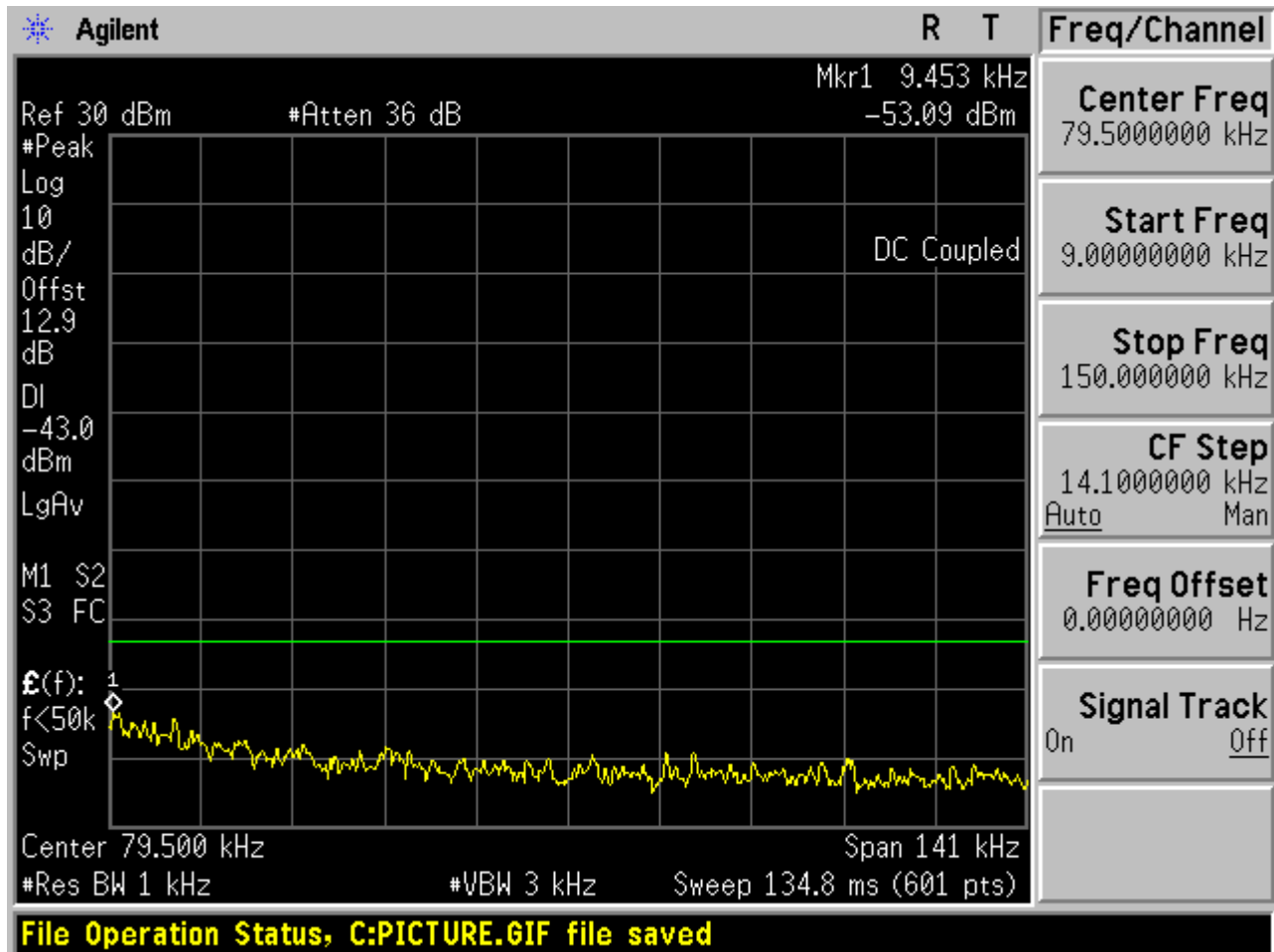


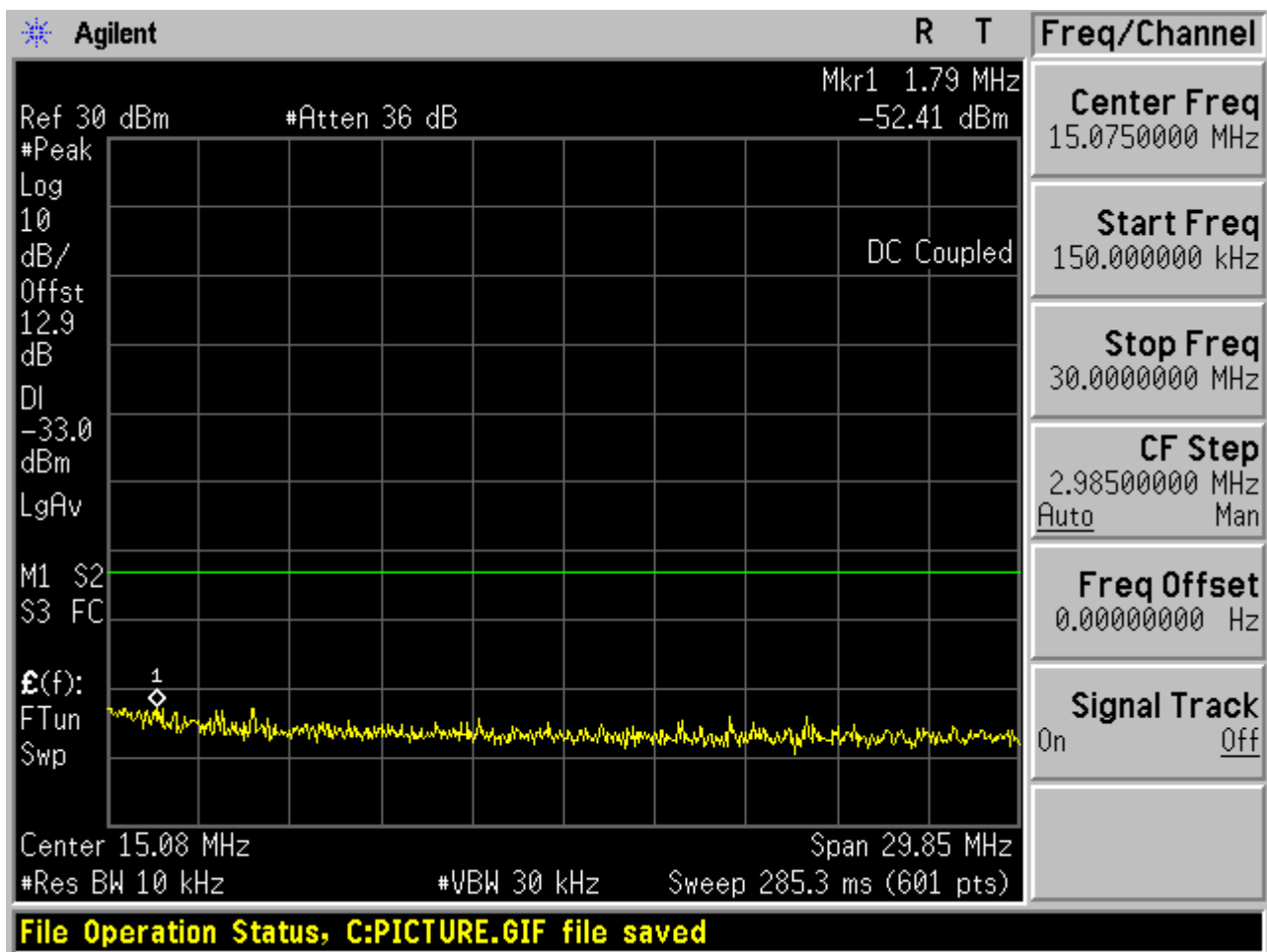


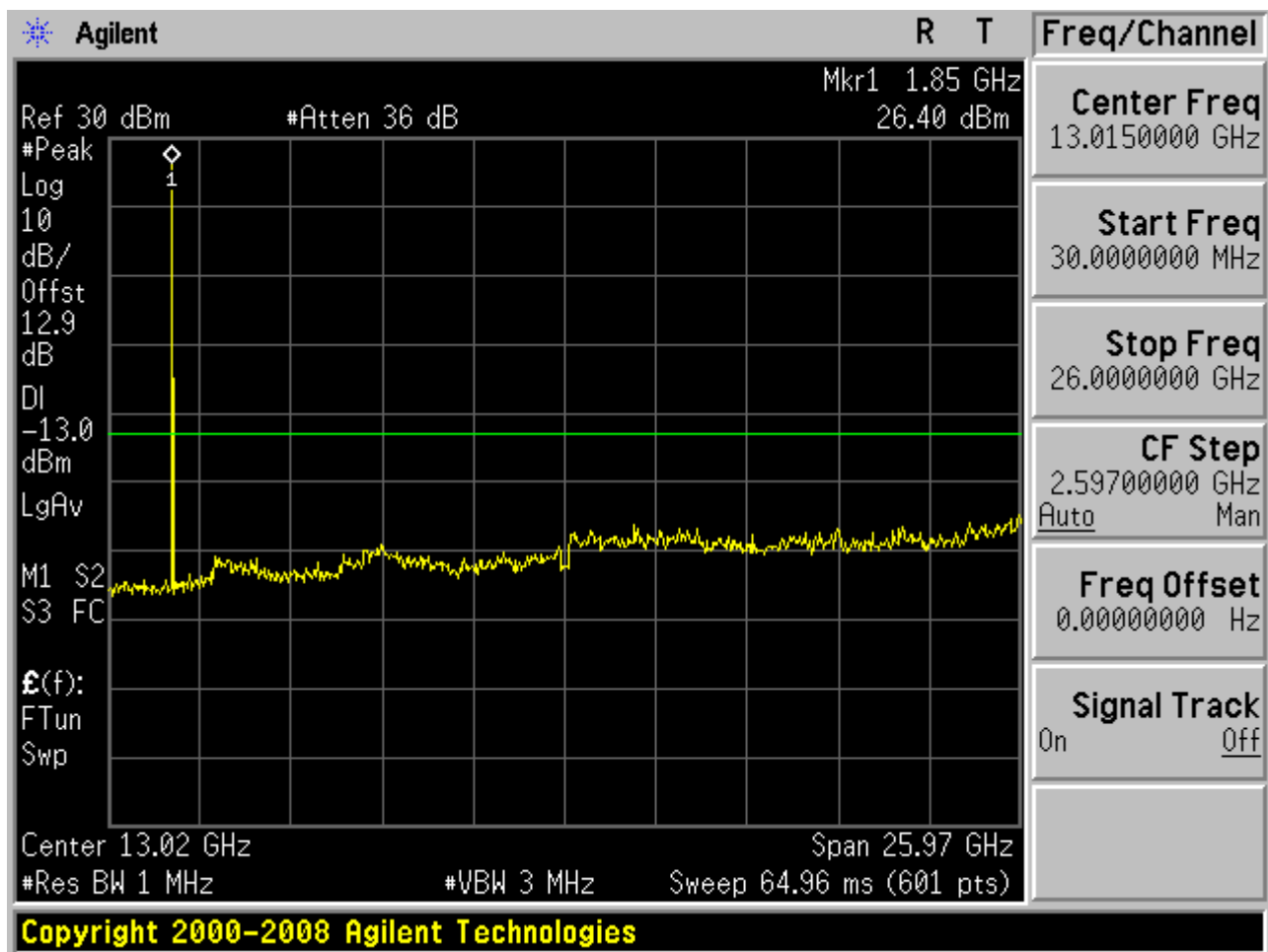
2.1.4 Channel Bandwidth = 10 MHz

2.1.4.1 Channel = L

2.1.4.1.1 QPSK/1RBs /RB #0



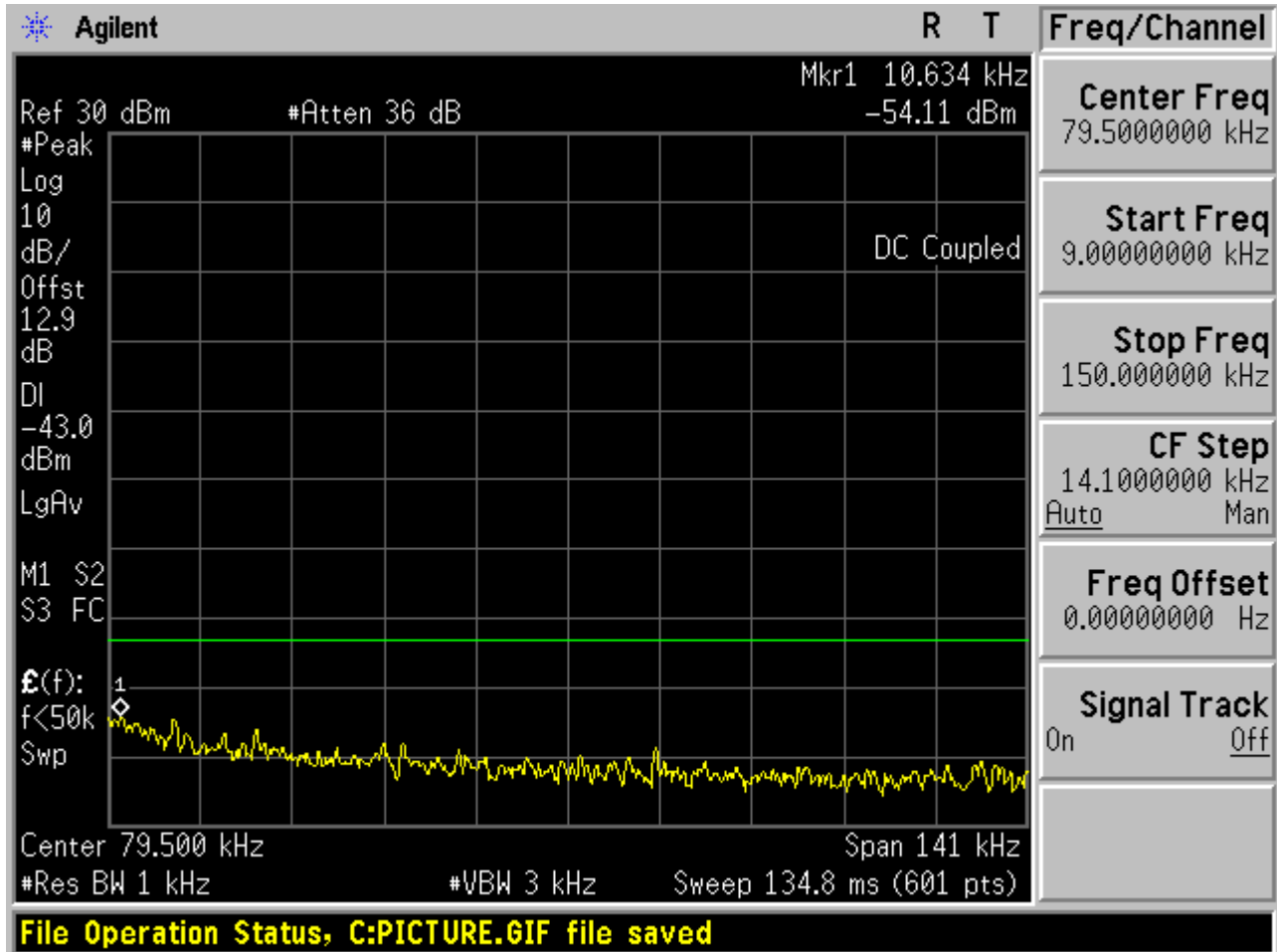


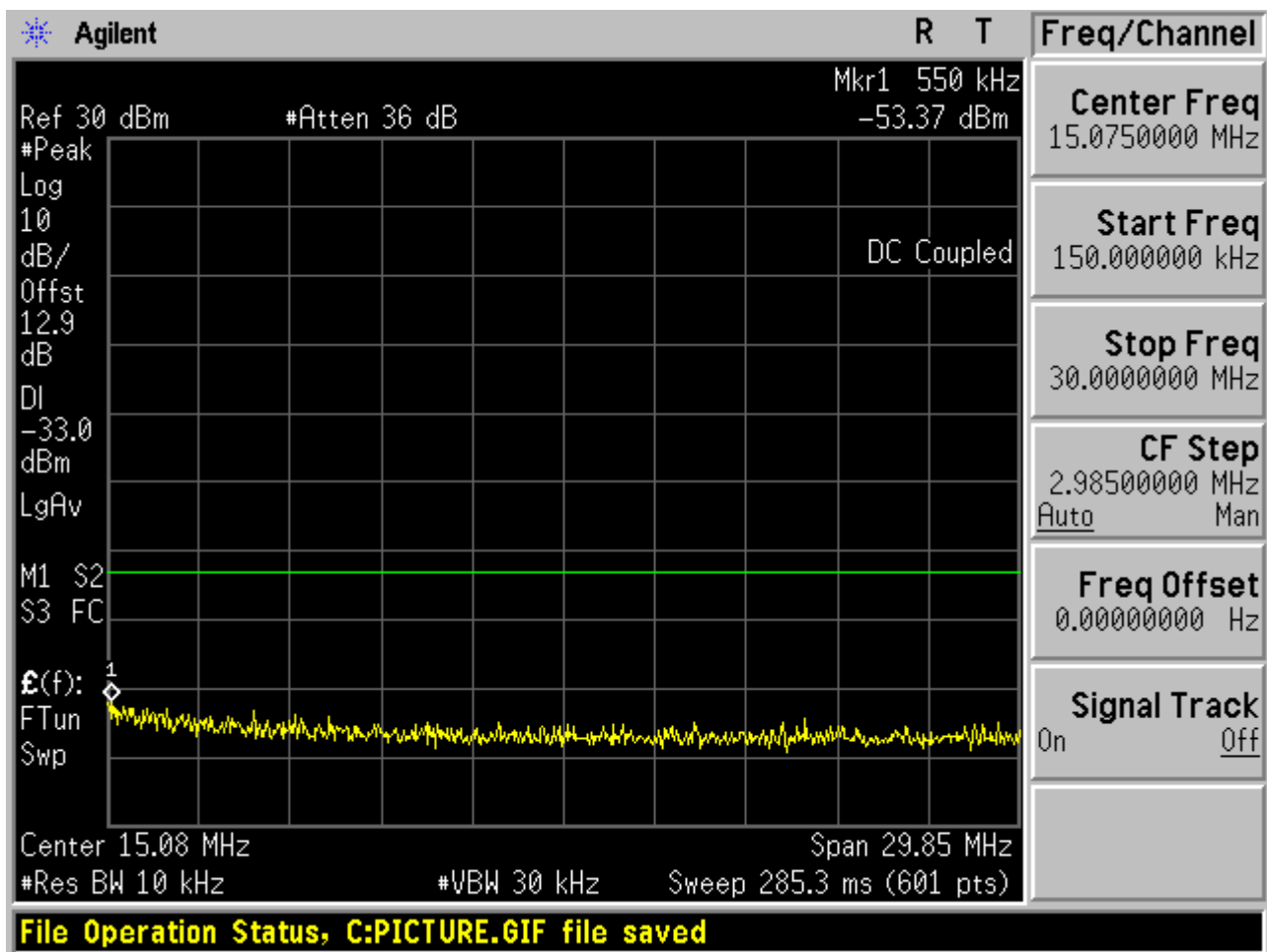


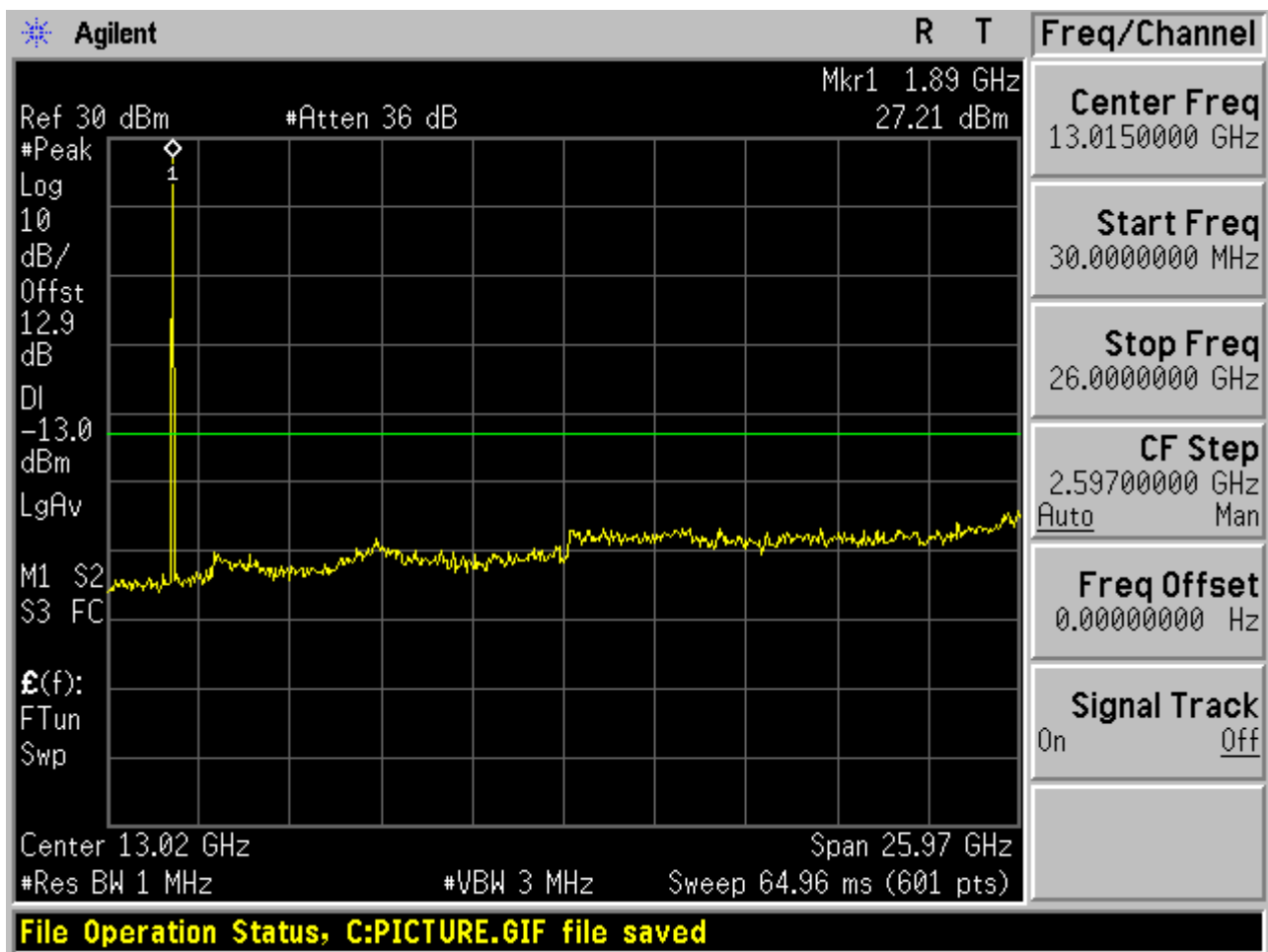


2.1.4.2 Channel = M

2.1.4.2.1 QPSK/1RBs /RB #0



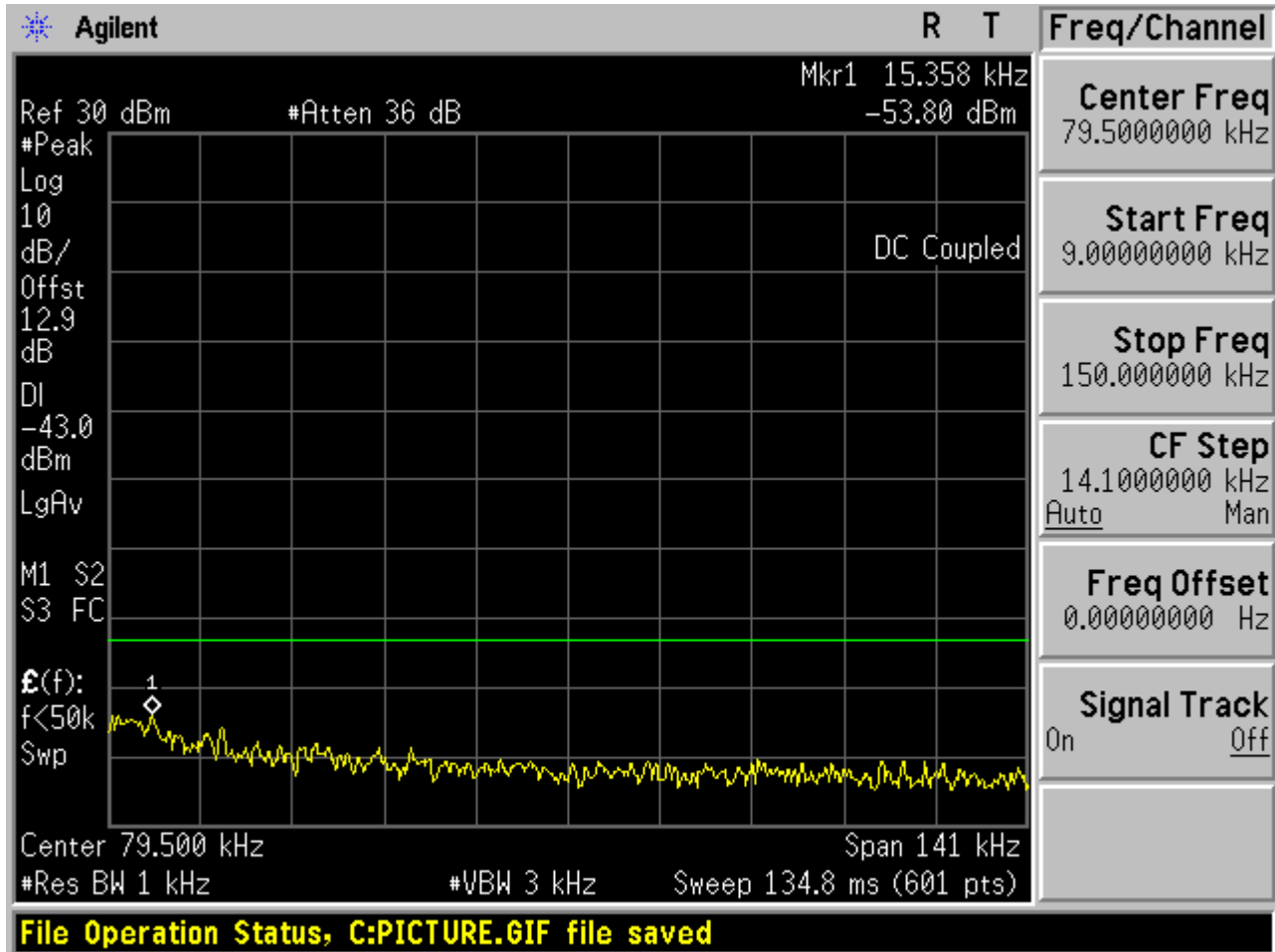


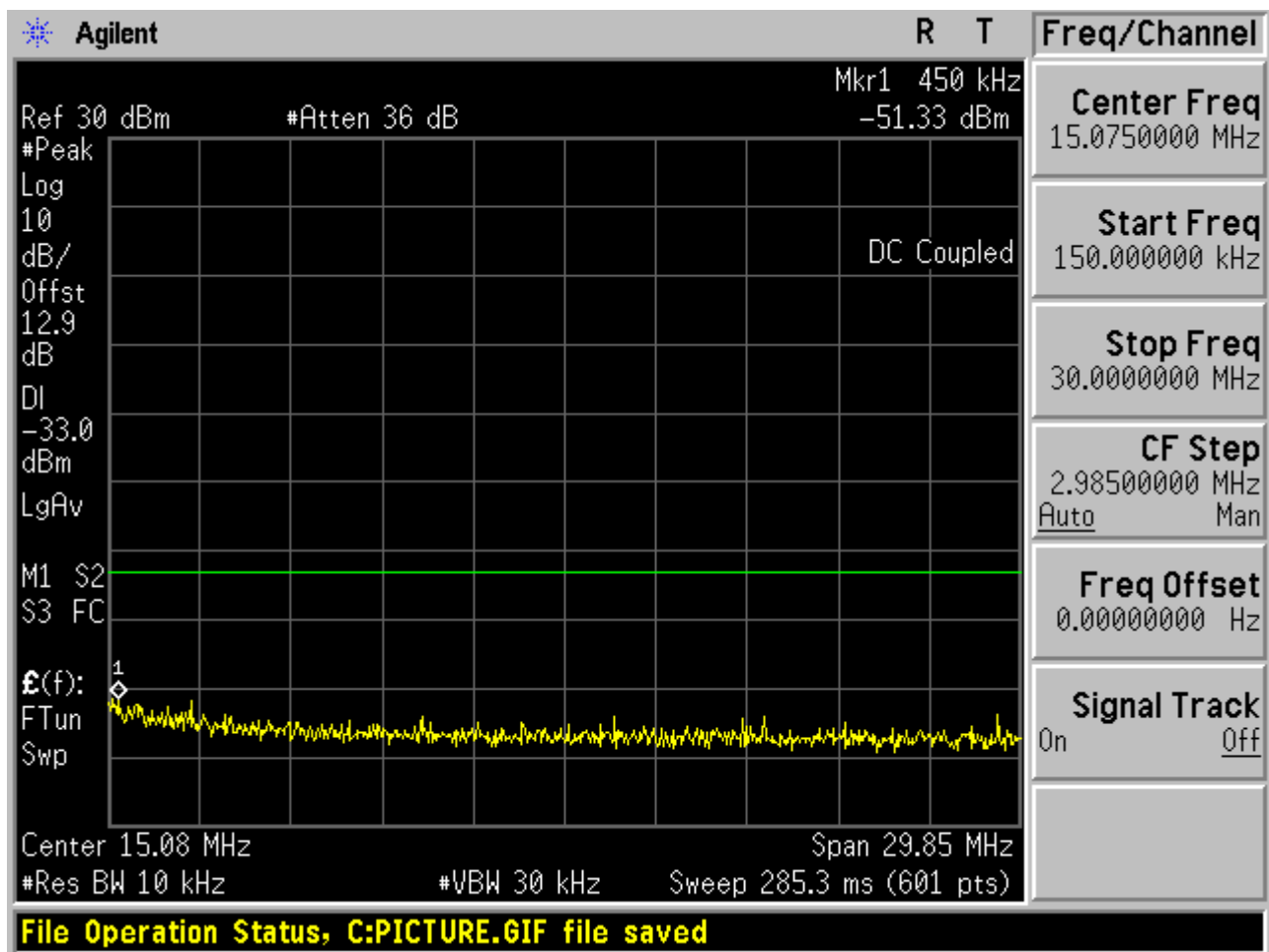


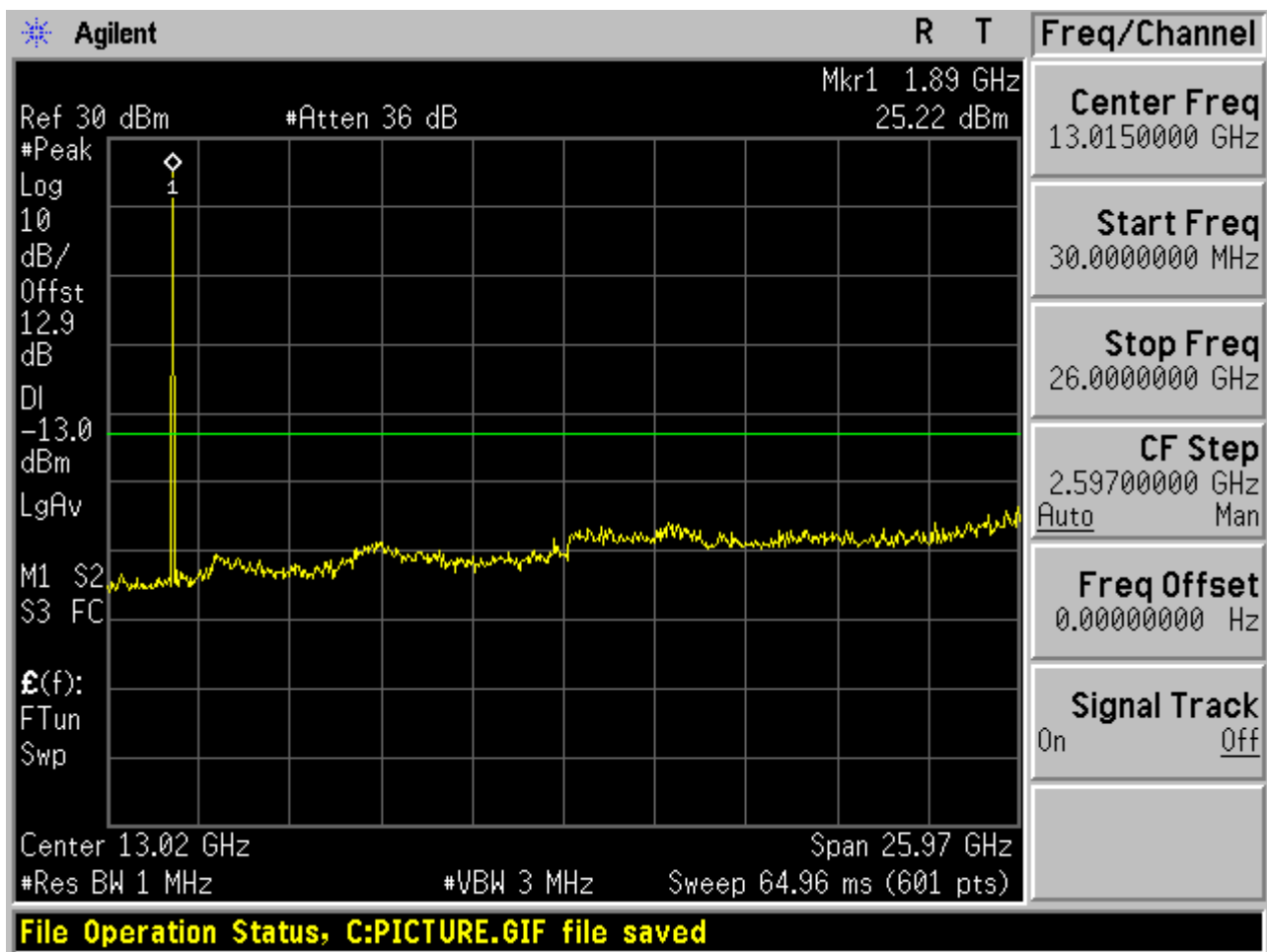


2.1.4.3 Channel = H

2.1.4.3.1 QPSK/1RBs /RB #0





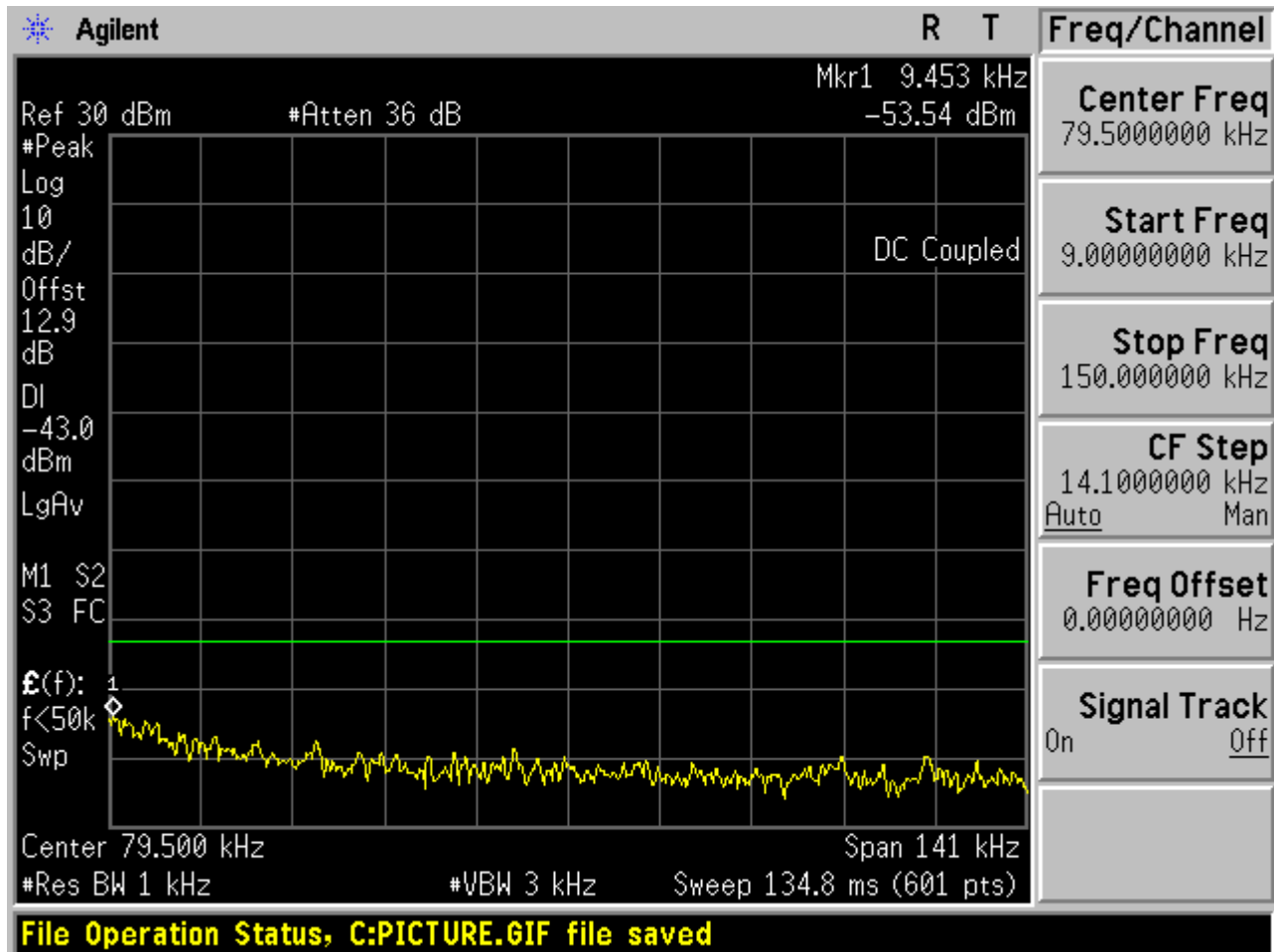


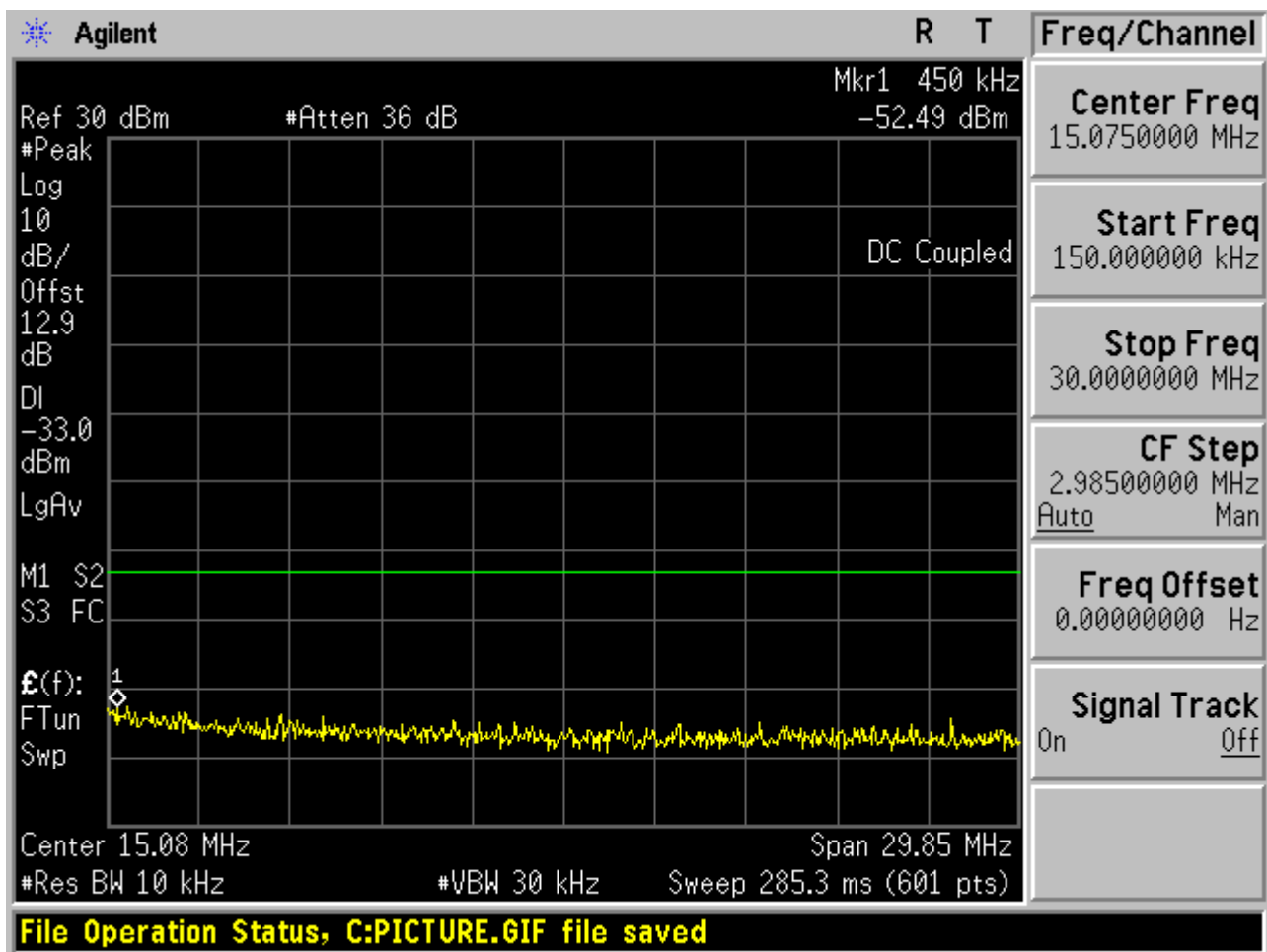


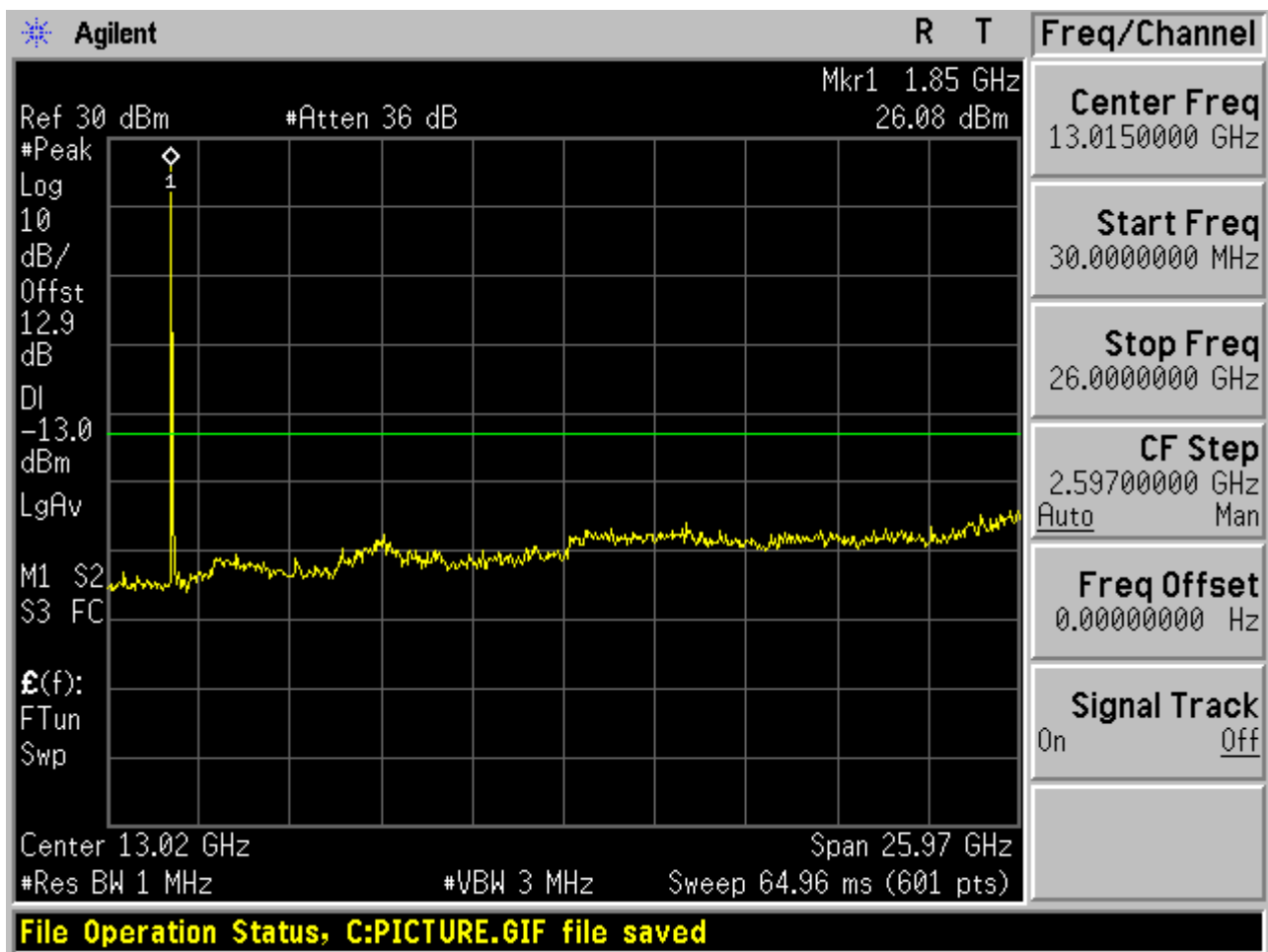
2.1.5 Channel Bandwidth = 15 MHz

2.1.5.1 Channel = L

2.1.5.1.1 QPSK/1RBs /RB #0



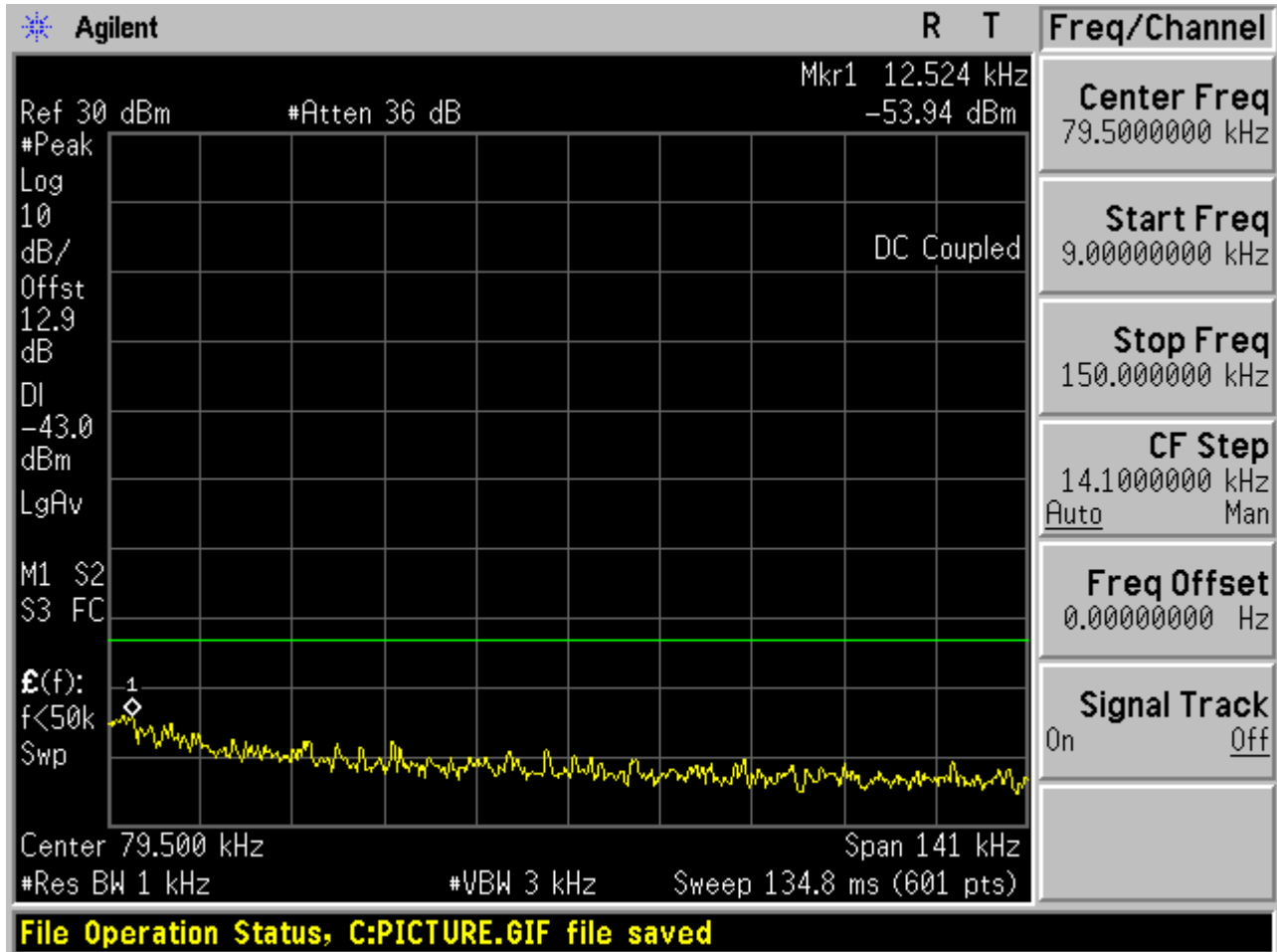


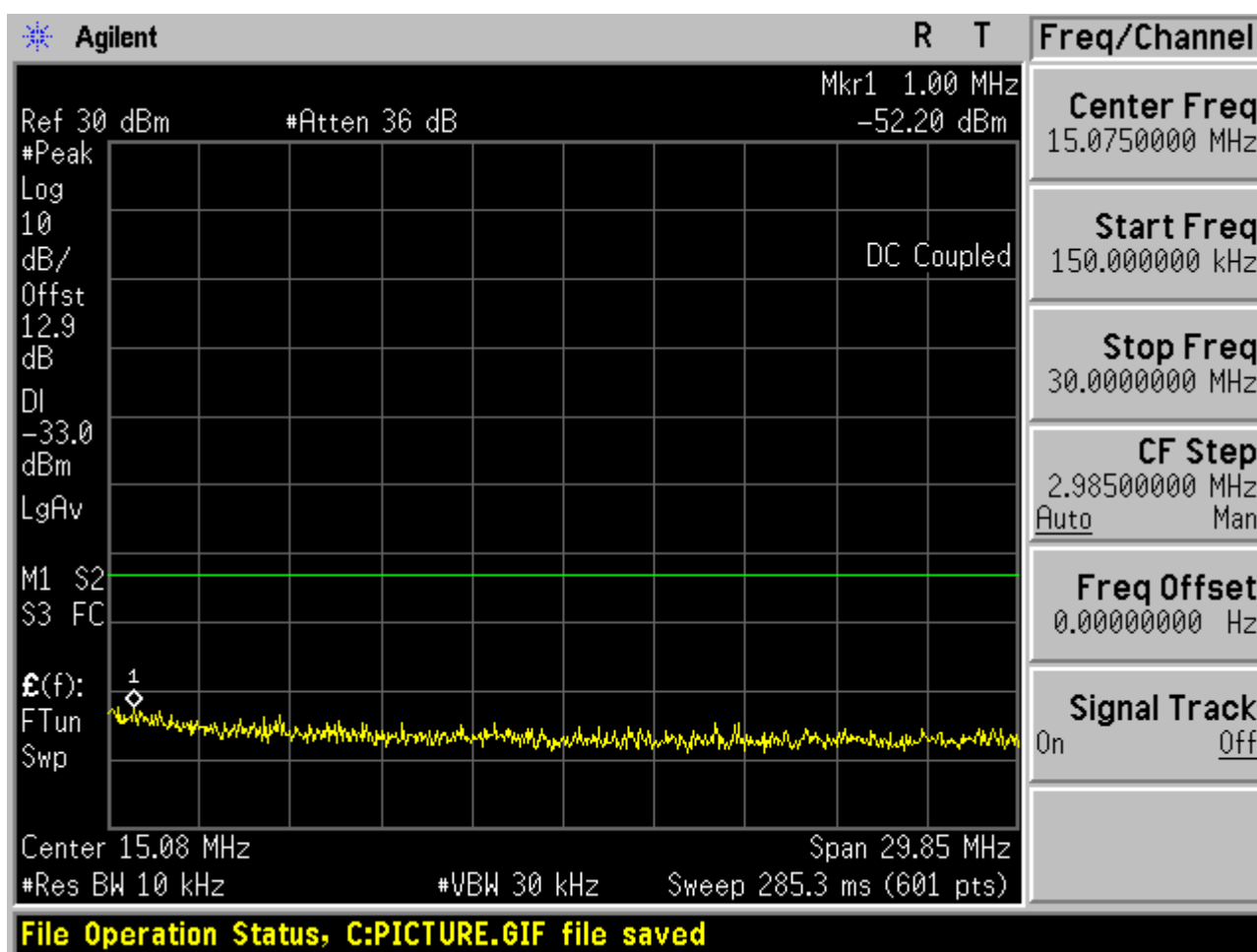


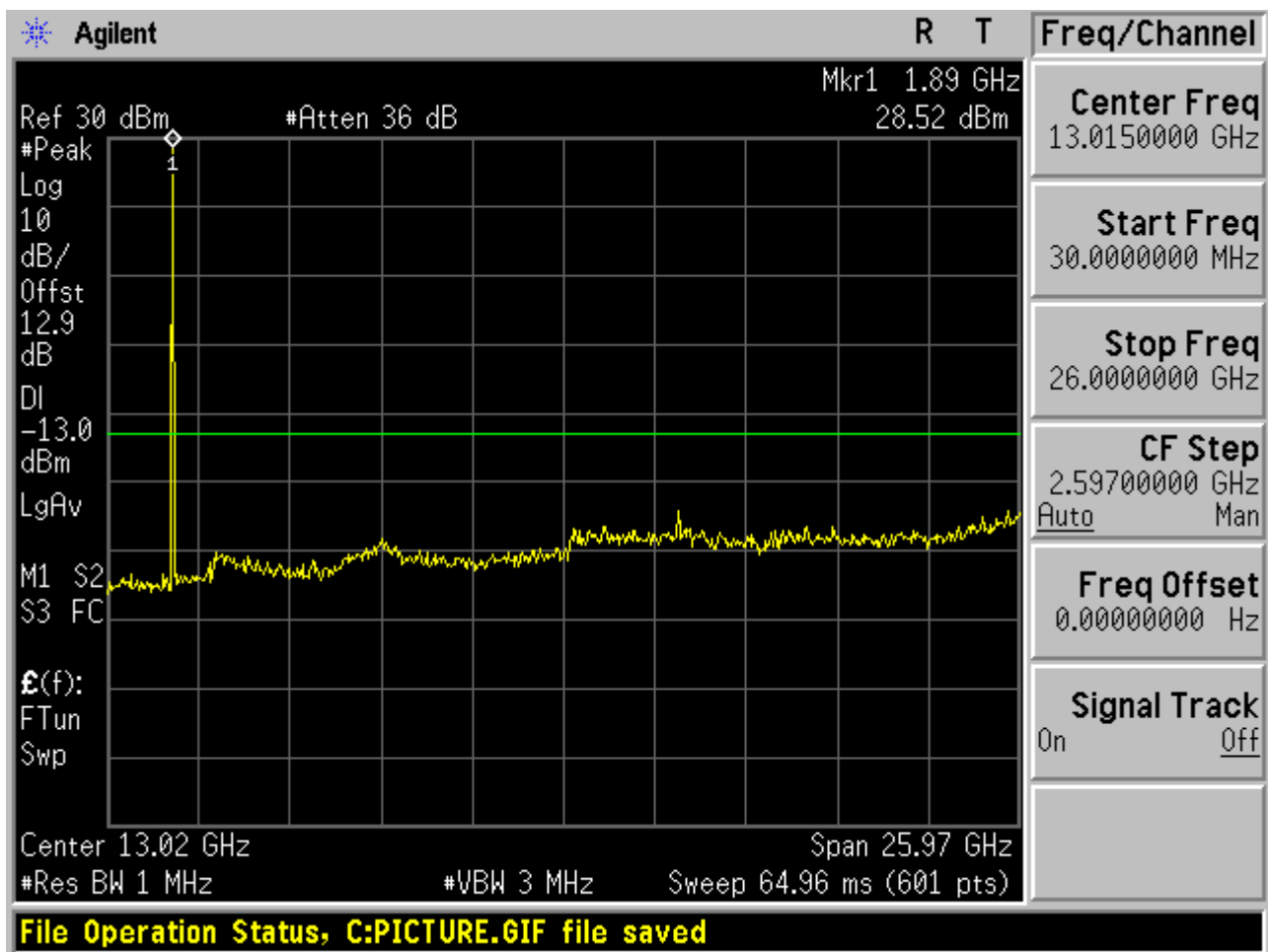


2.1.5.2 Channel = M

2.1.5.2.1 QPSK/1RBs /RB #0



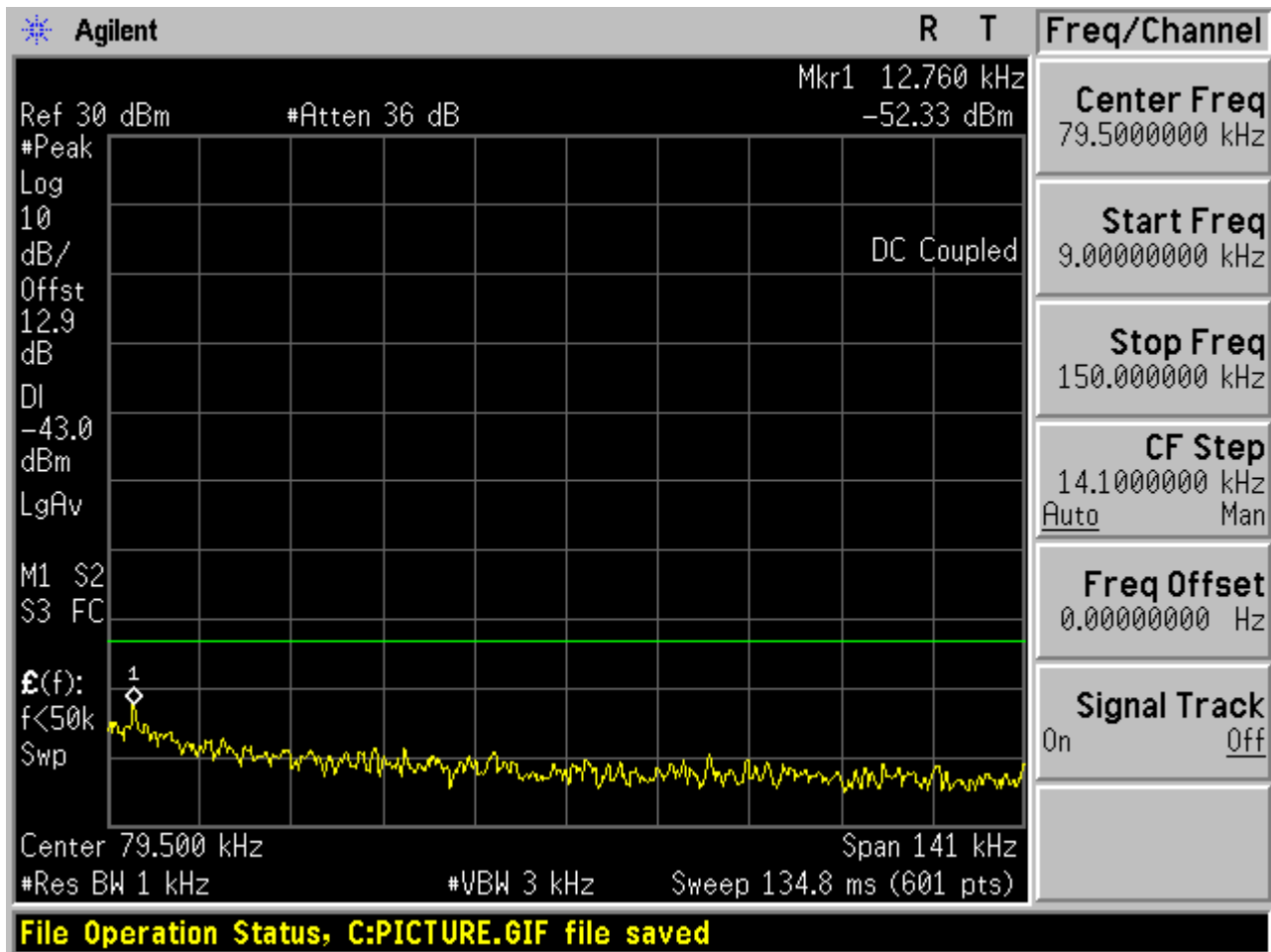


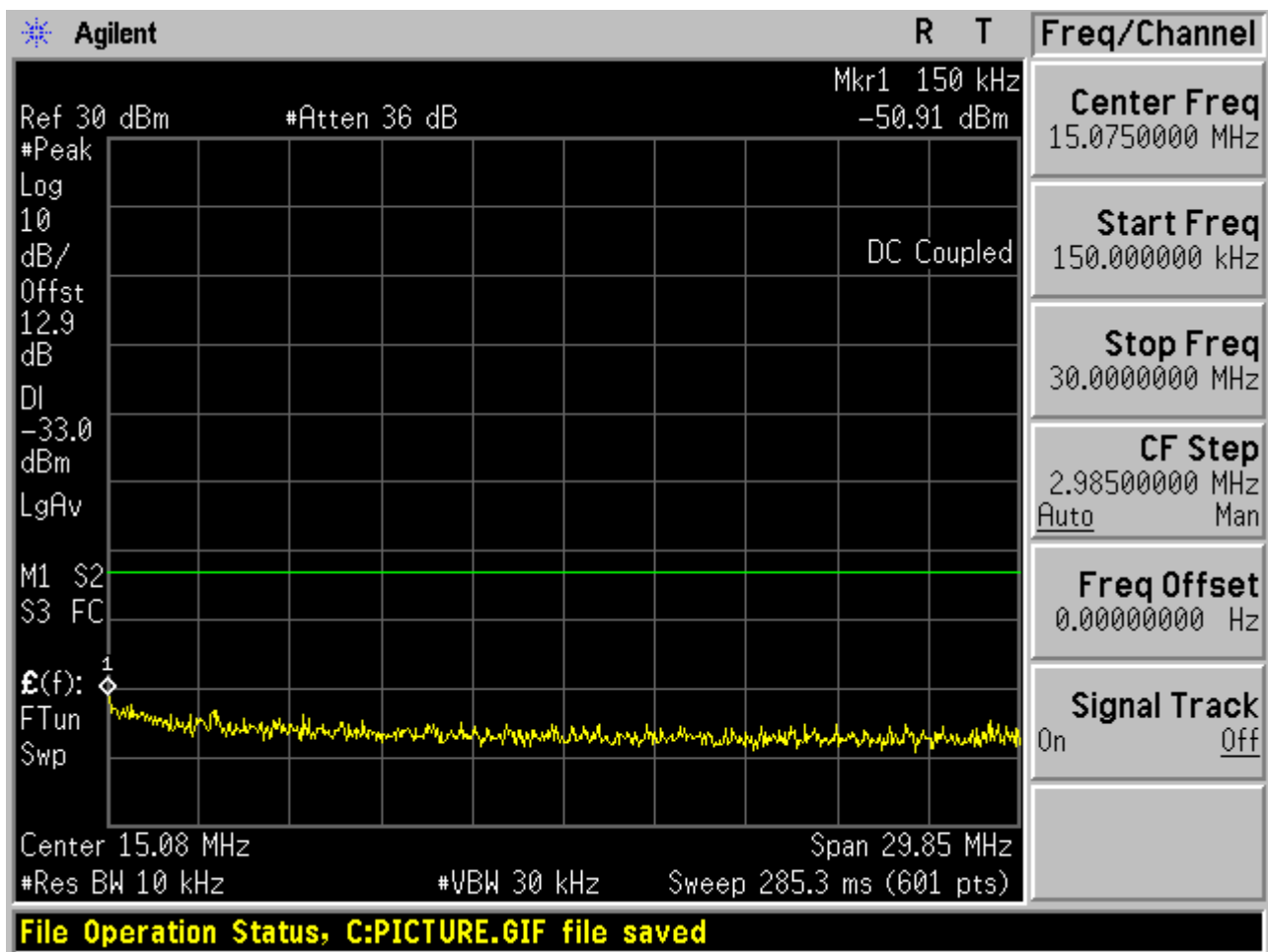


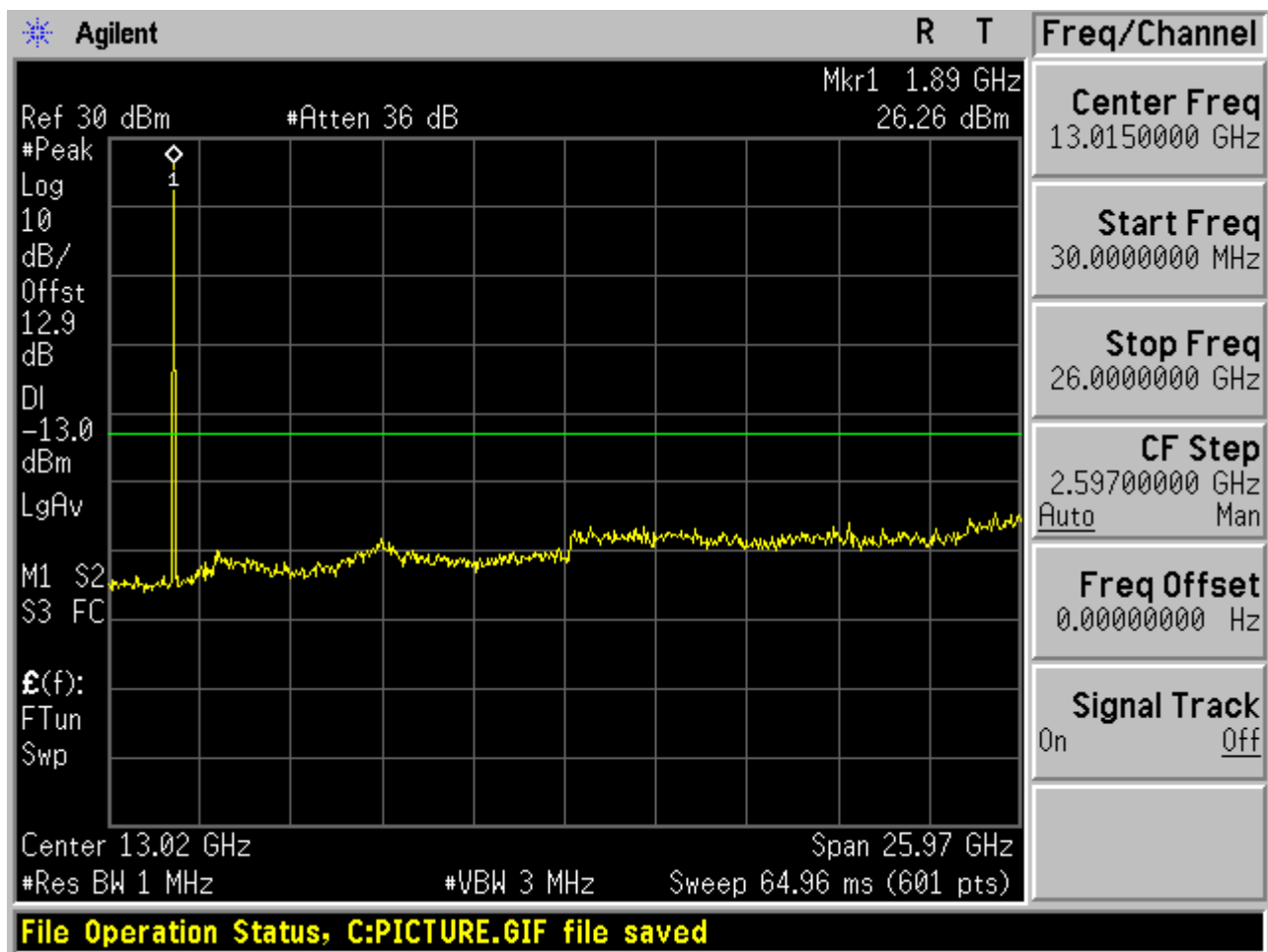


2.1.5.3 Channel = H

2.1.5.3.1 QPSK/1RBs /RB #0





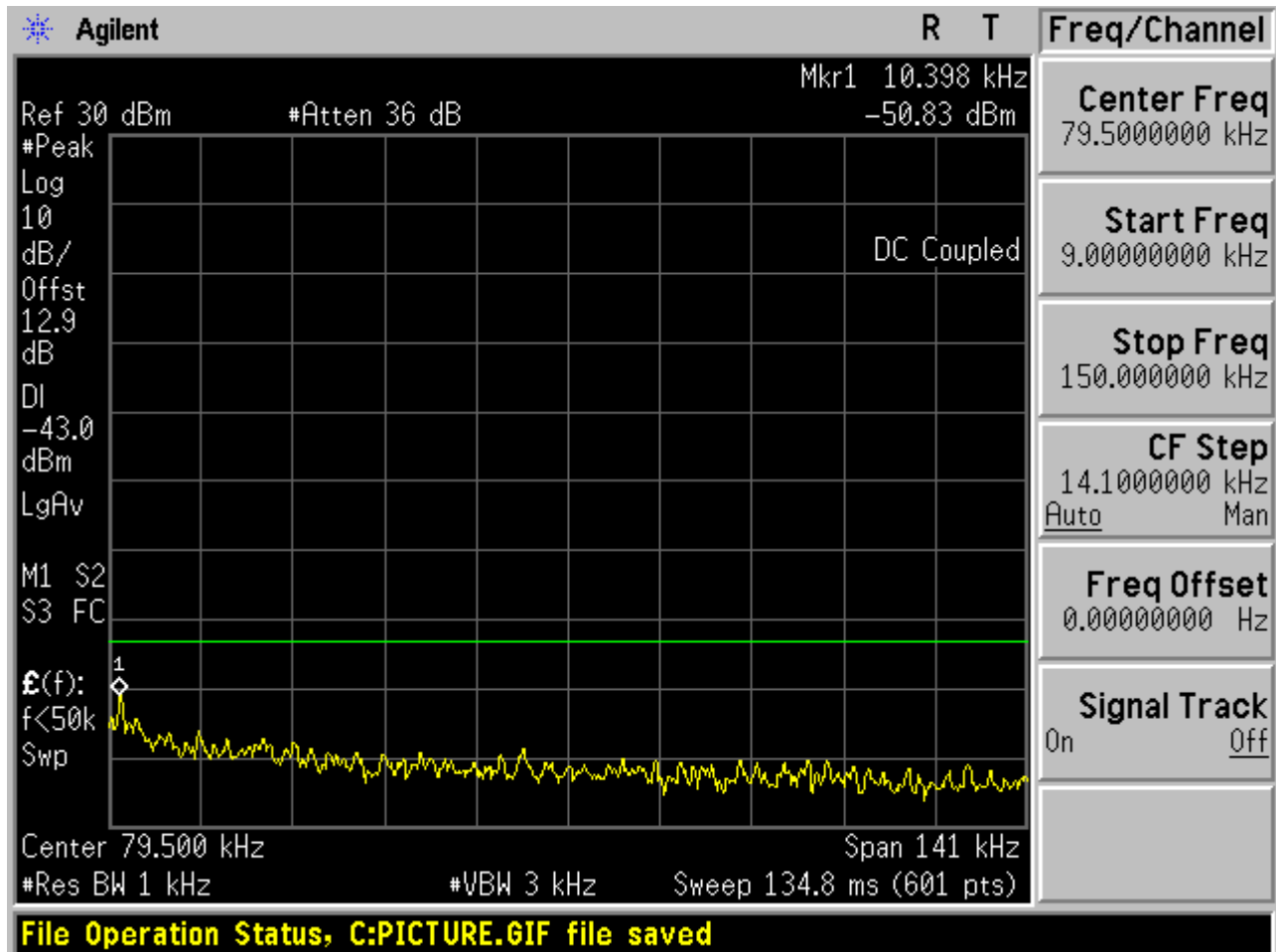


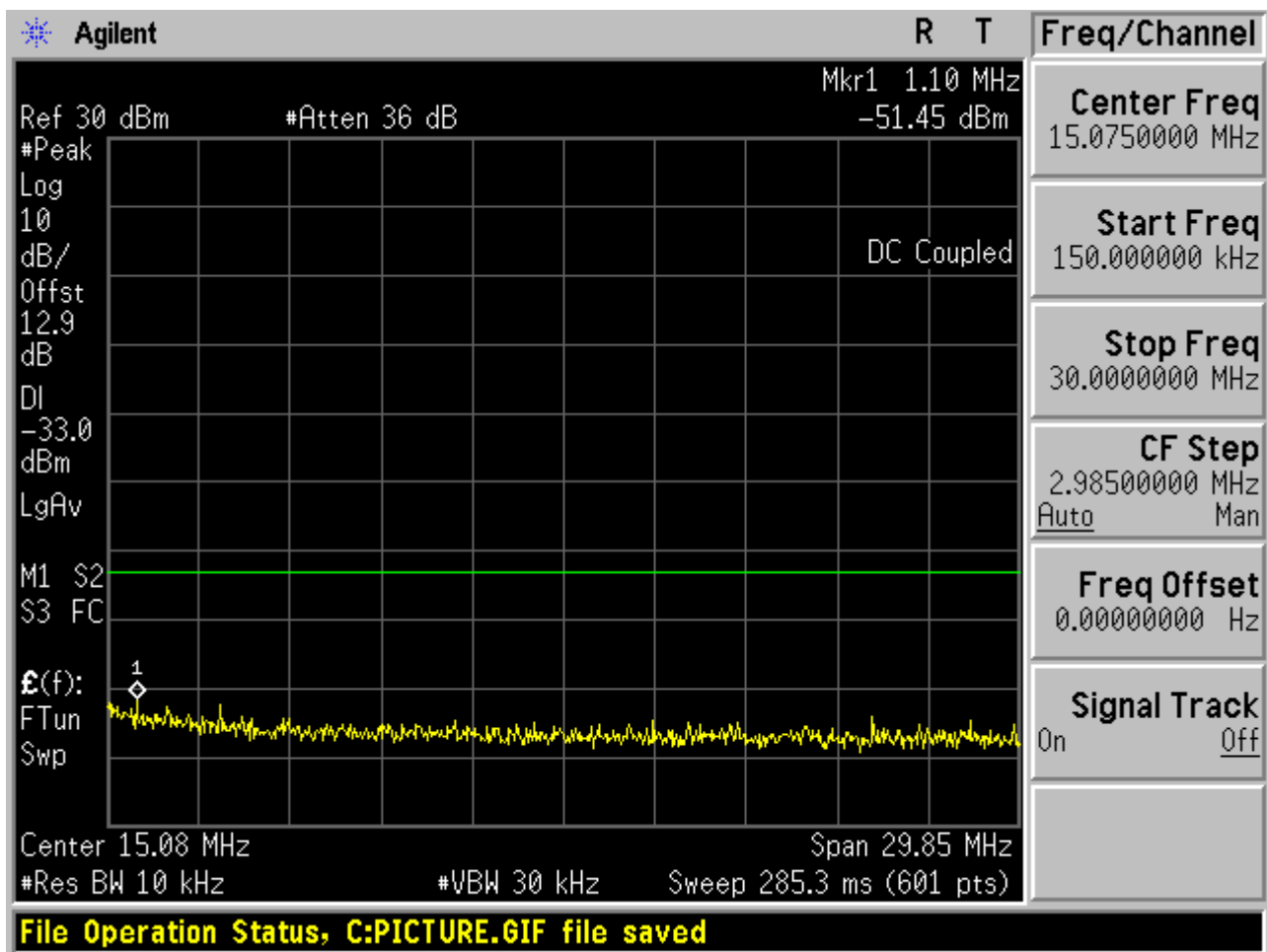


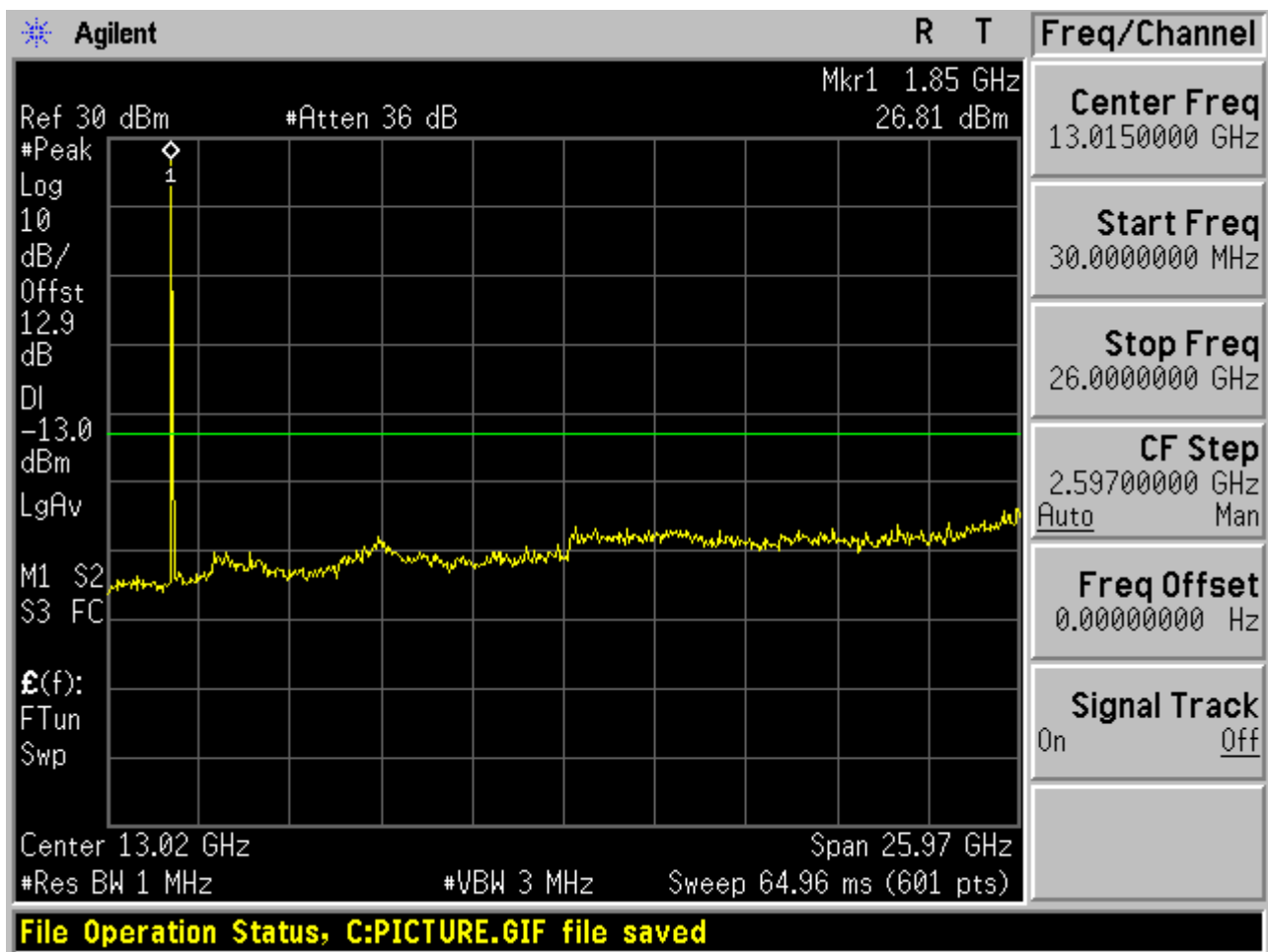
2.1.6 Channel Bandwidth = 20 MHz

2.1.6.1 Channel = L

2.1.6.1.1 QPSK/1RBs /RB #0



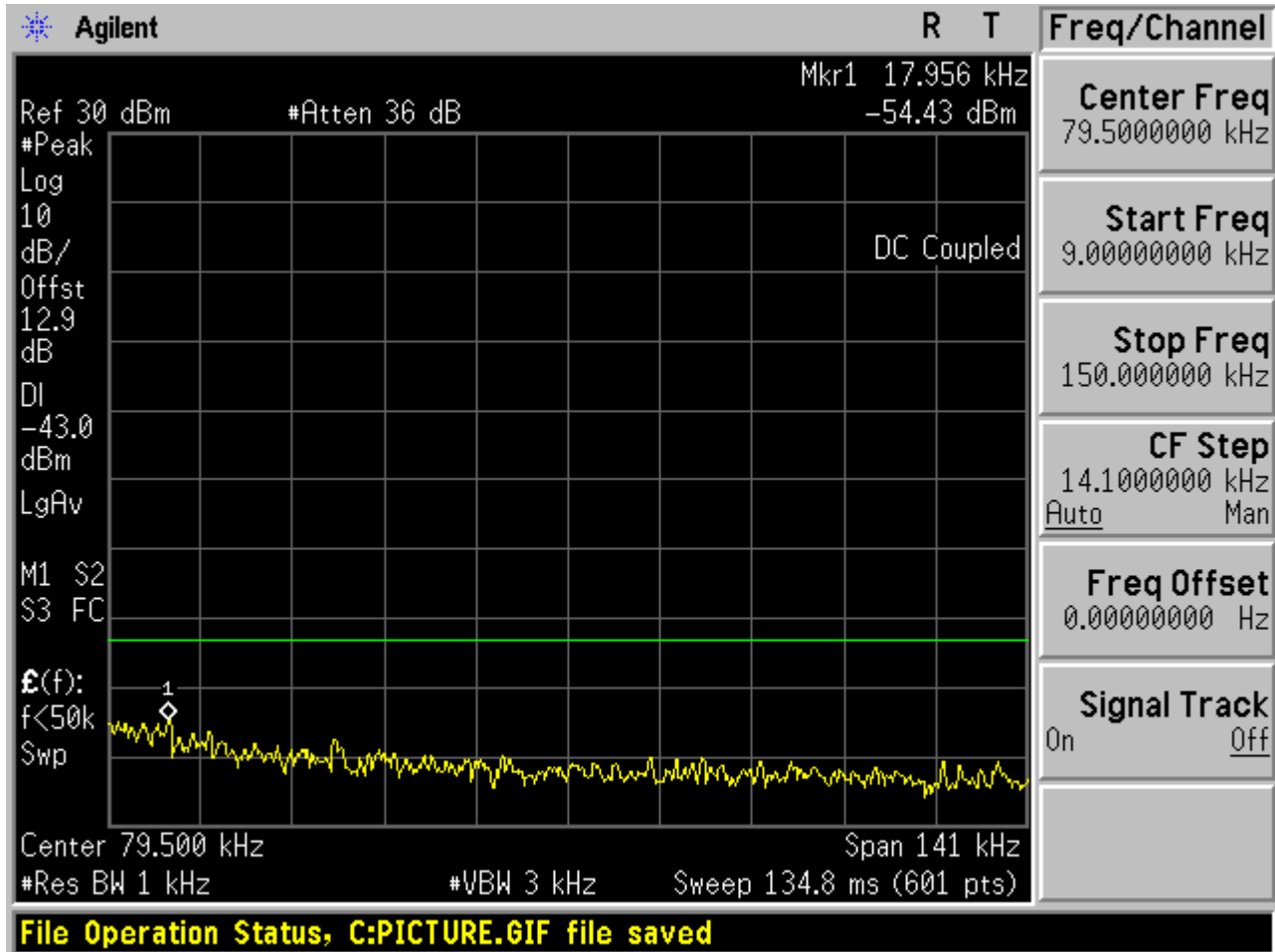


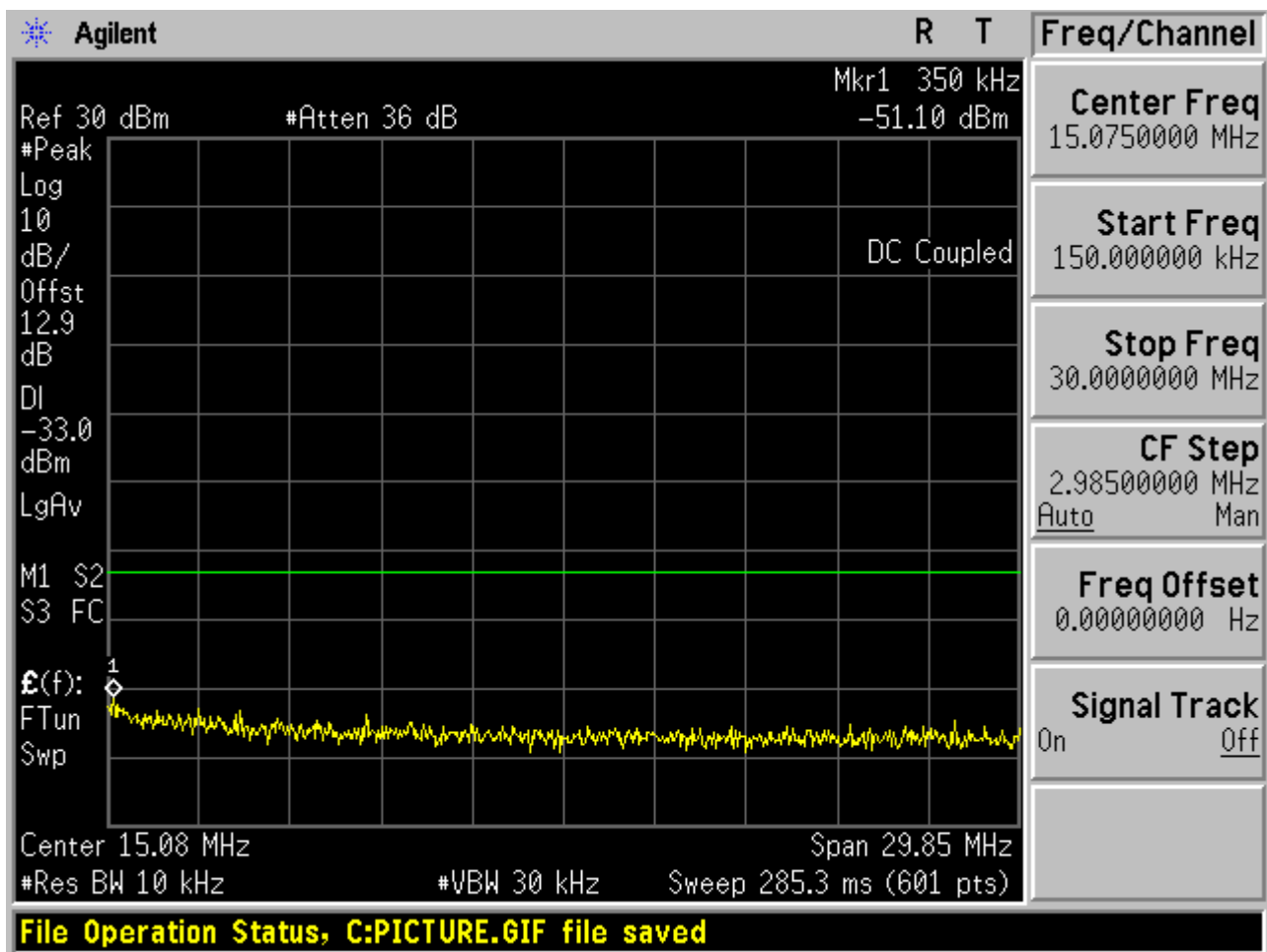


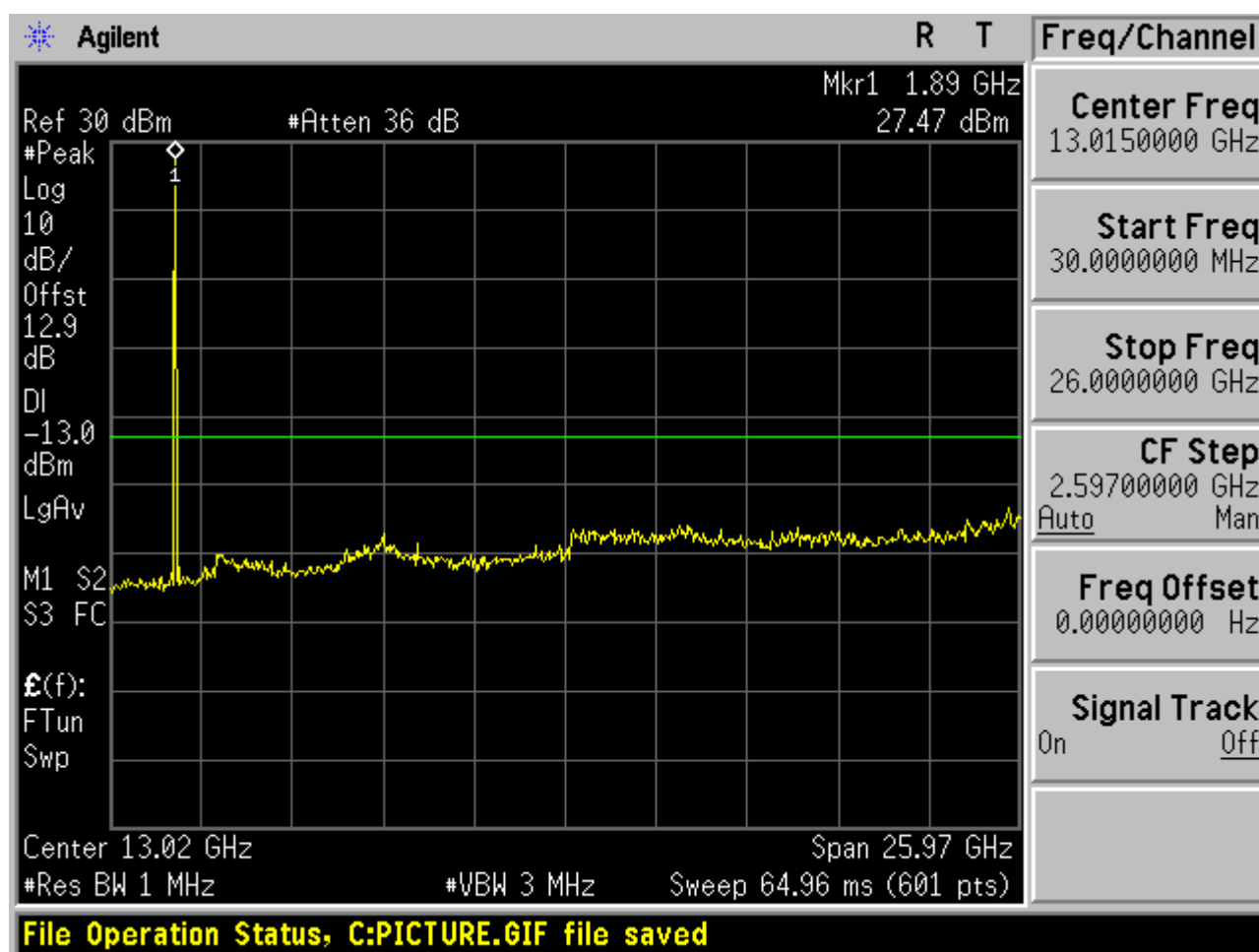


2.1.6.2 Channel = M

2.1.6.2.1 QPSK/1RBs /RB #0



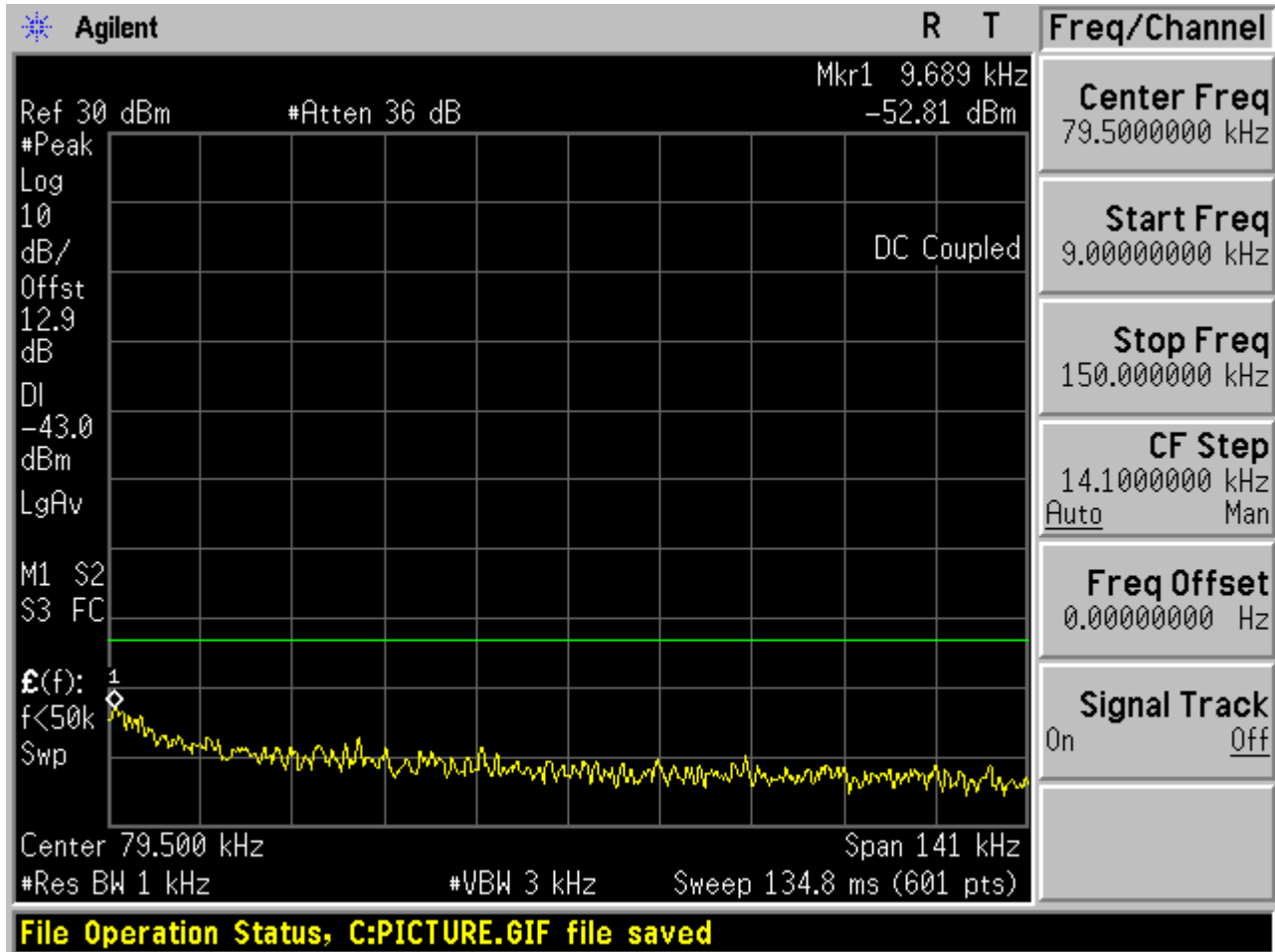


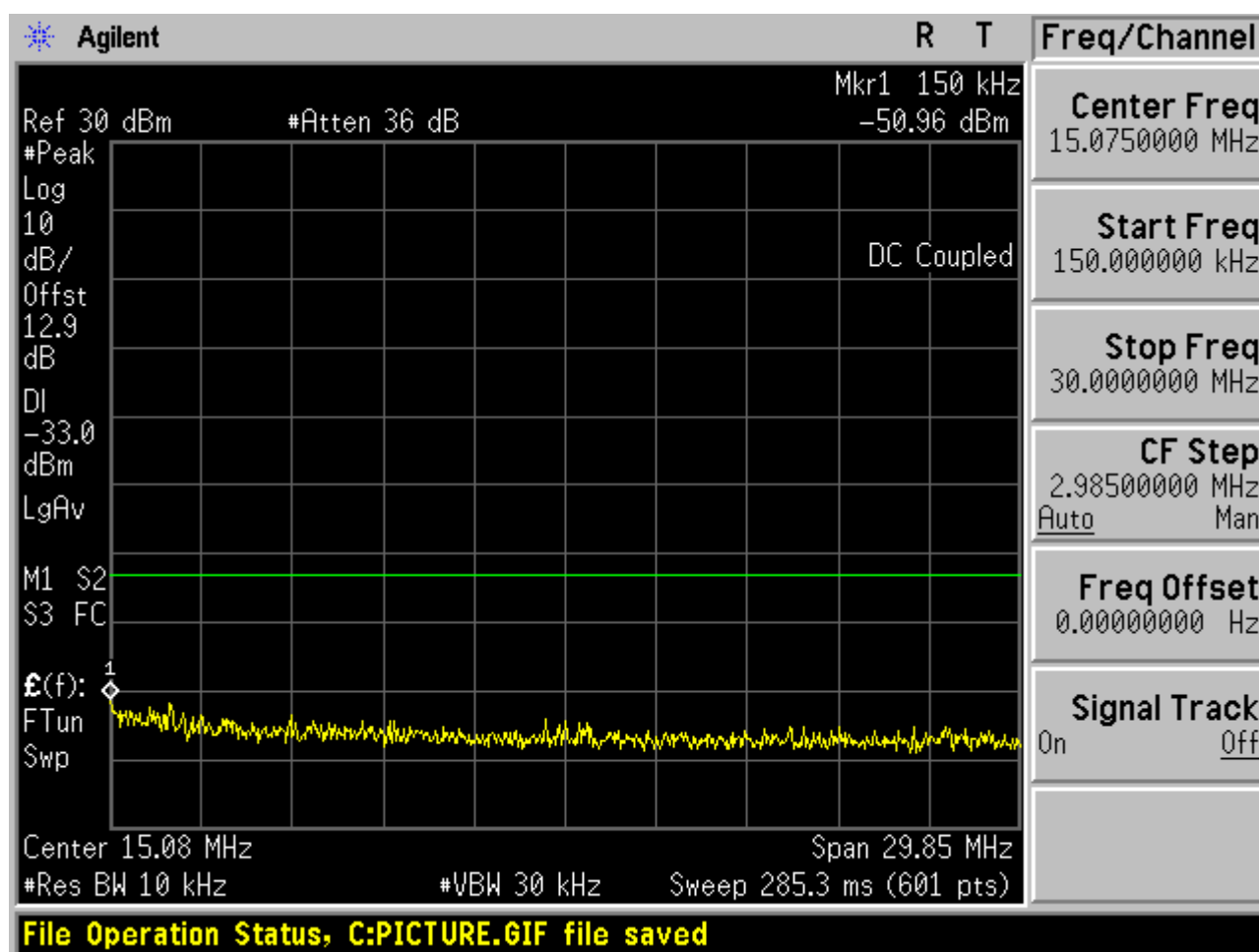


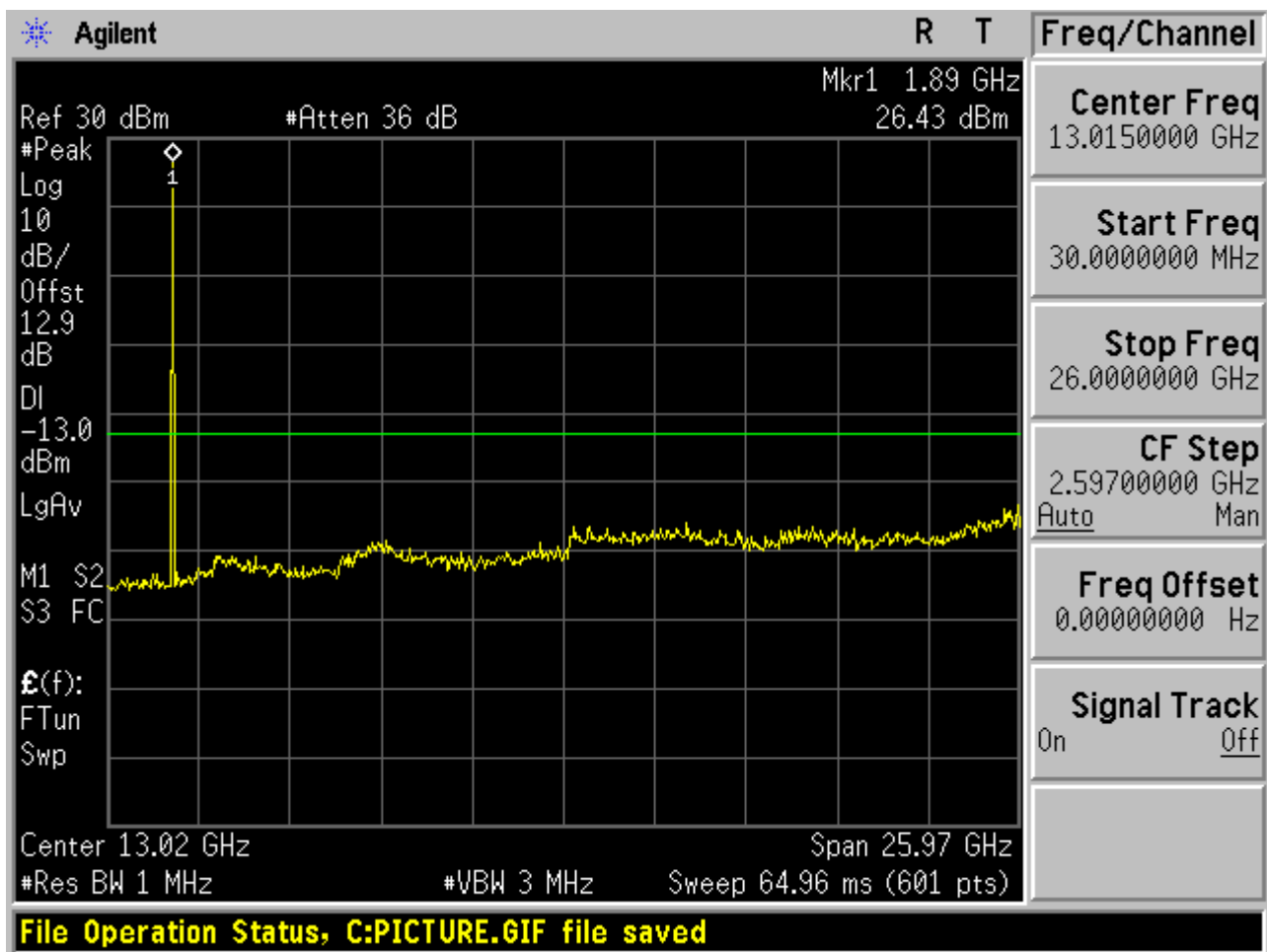


2.1.6.3 Channel = H

2.1.6.3.1 QPSK/1RBs /RB #0







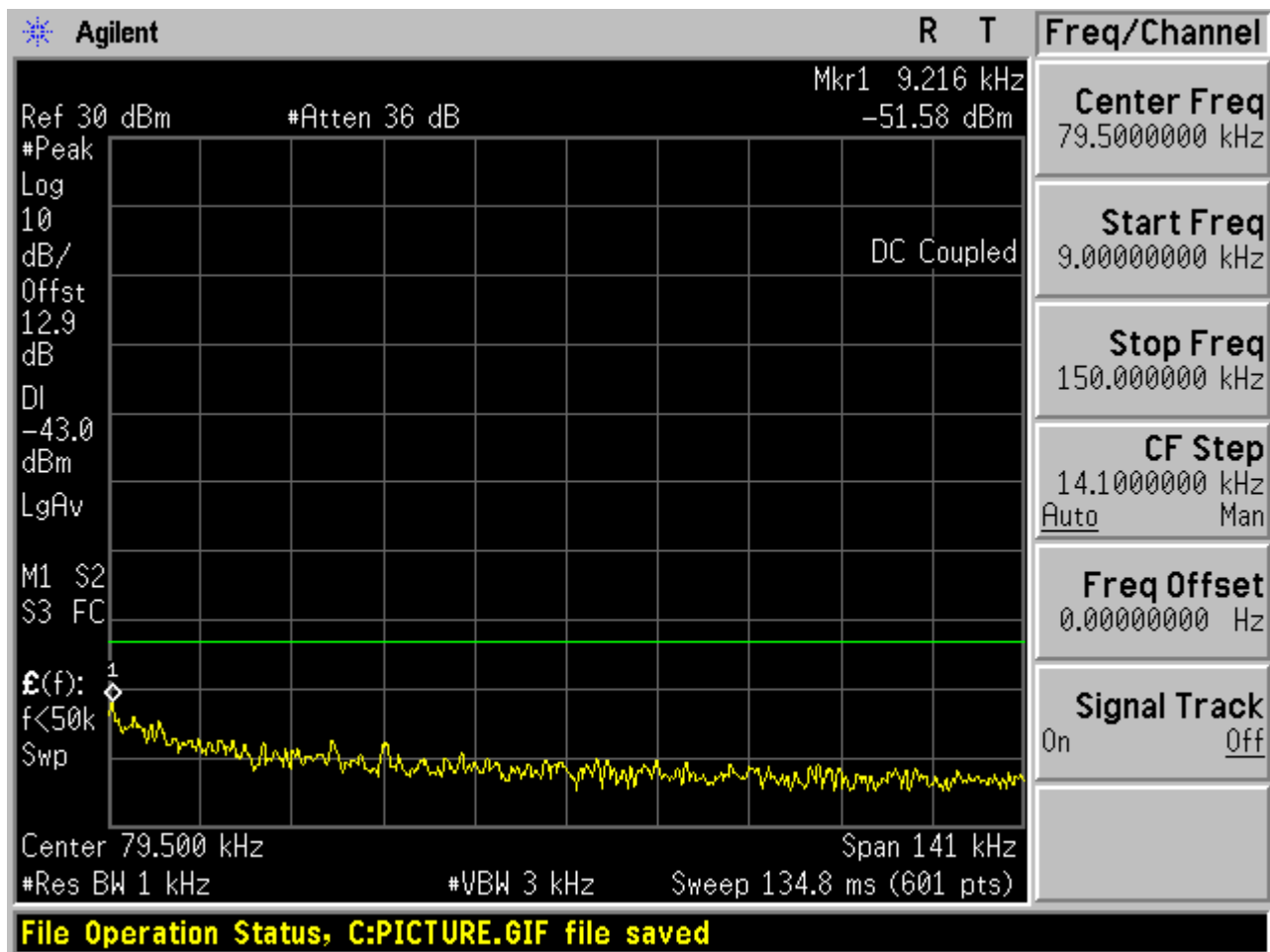


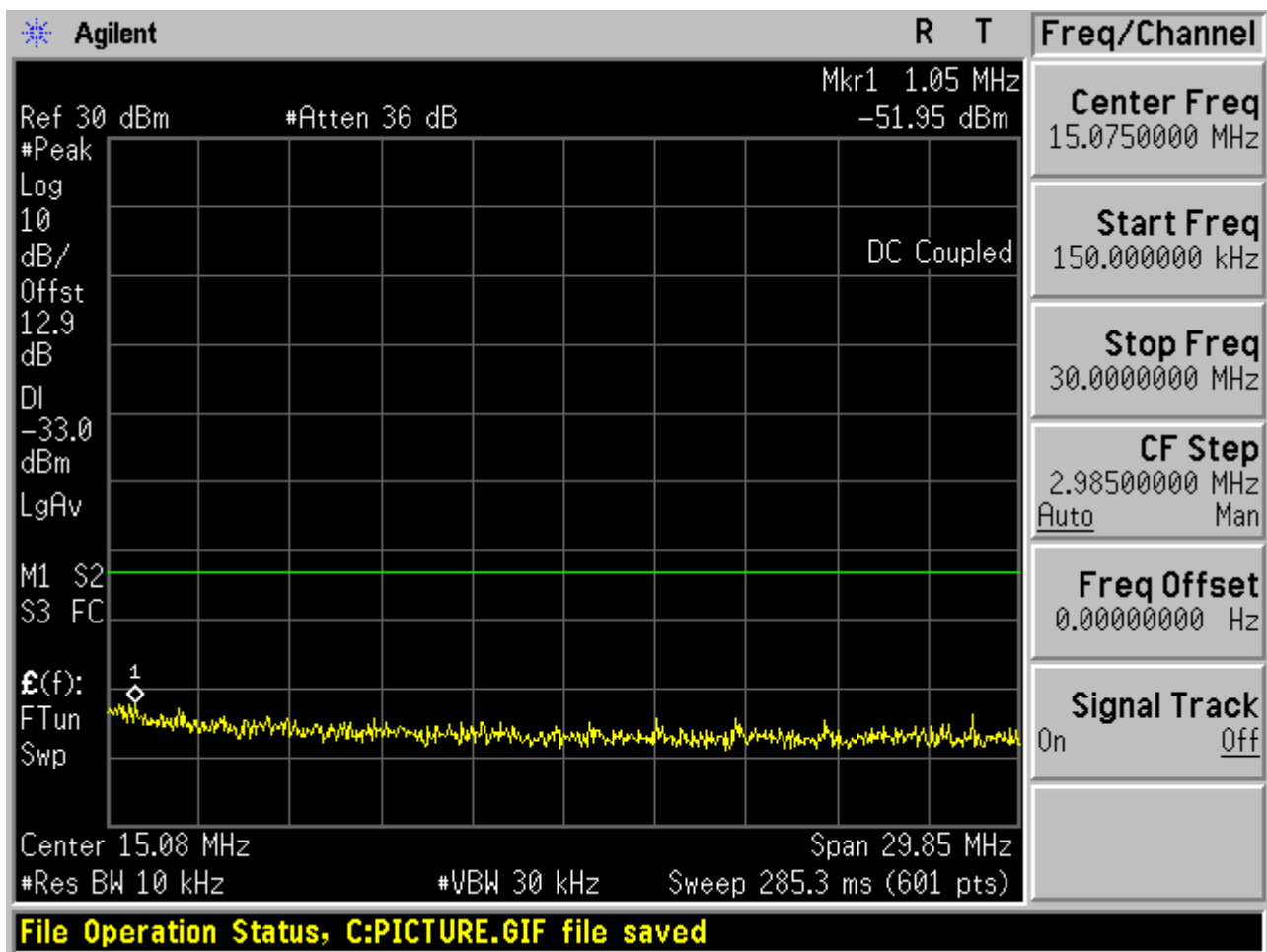
2.2 Test Mode=TM5

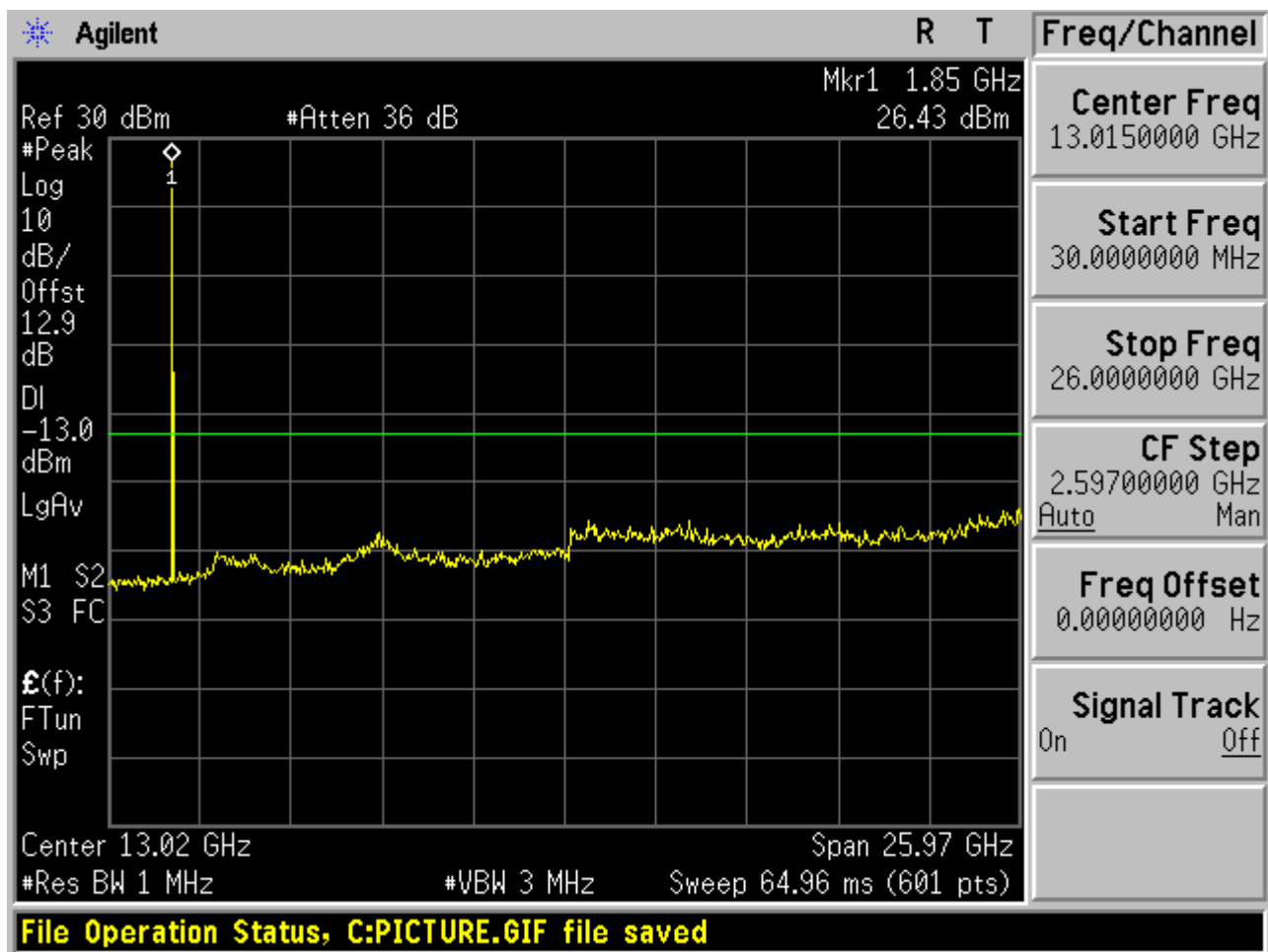
2.2.1 Channel Bandwidth = 1.4 MHz

2.2.1.1 Channel = L

2.2.1.1.1 16QAM/1RBs /RB #0



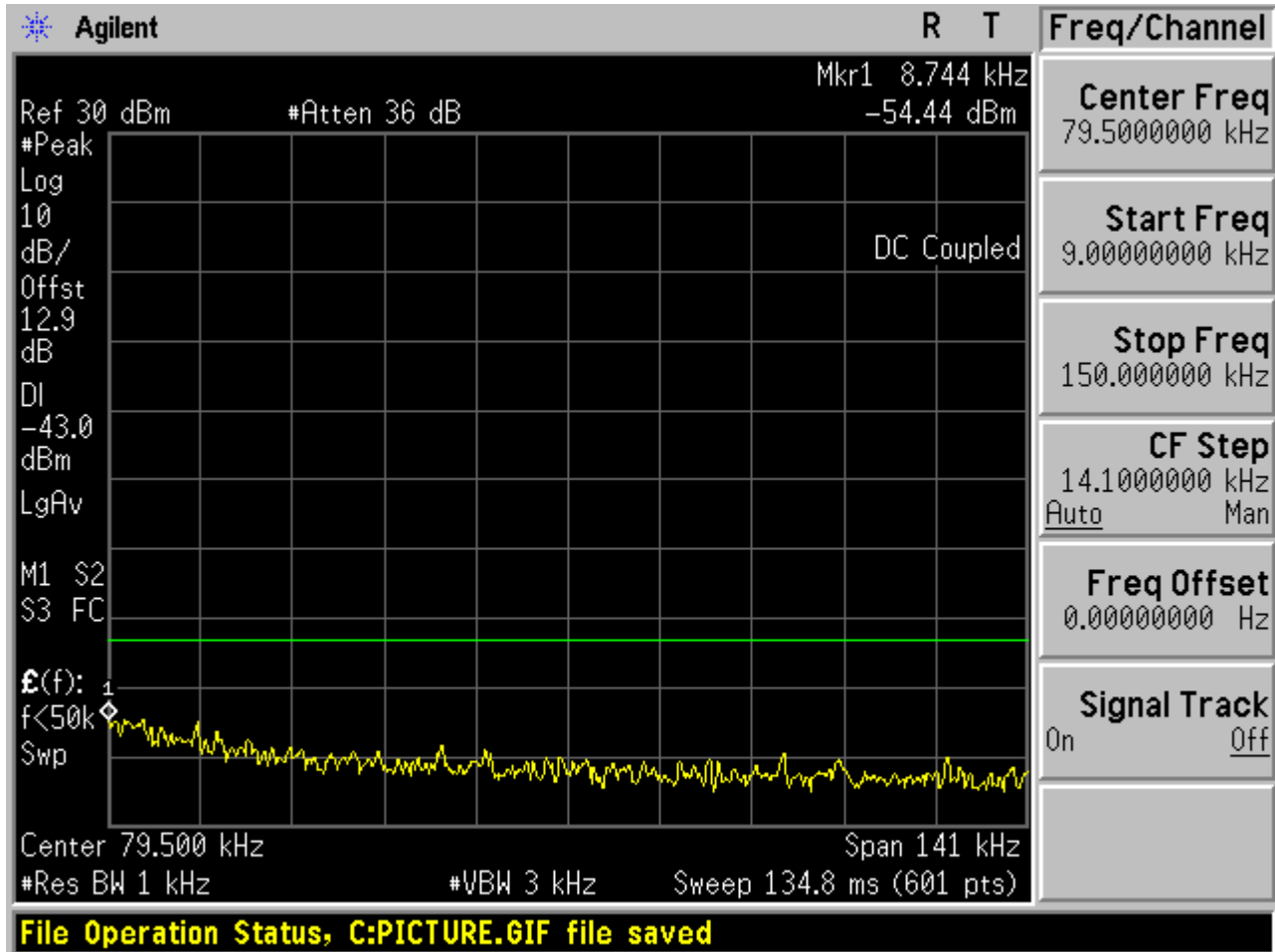


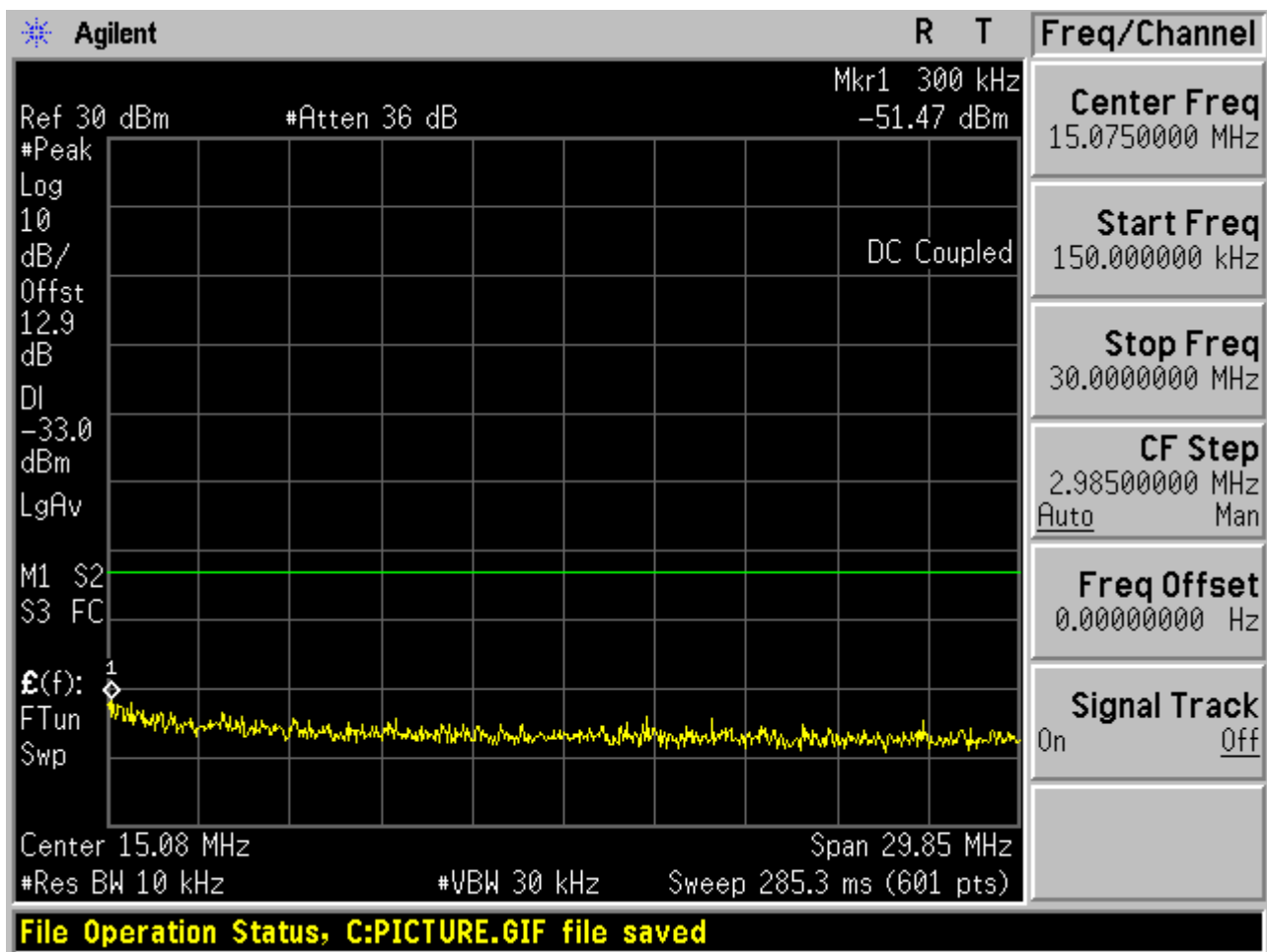


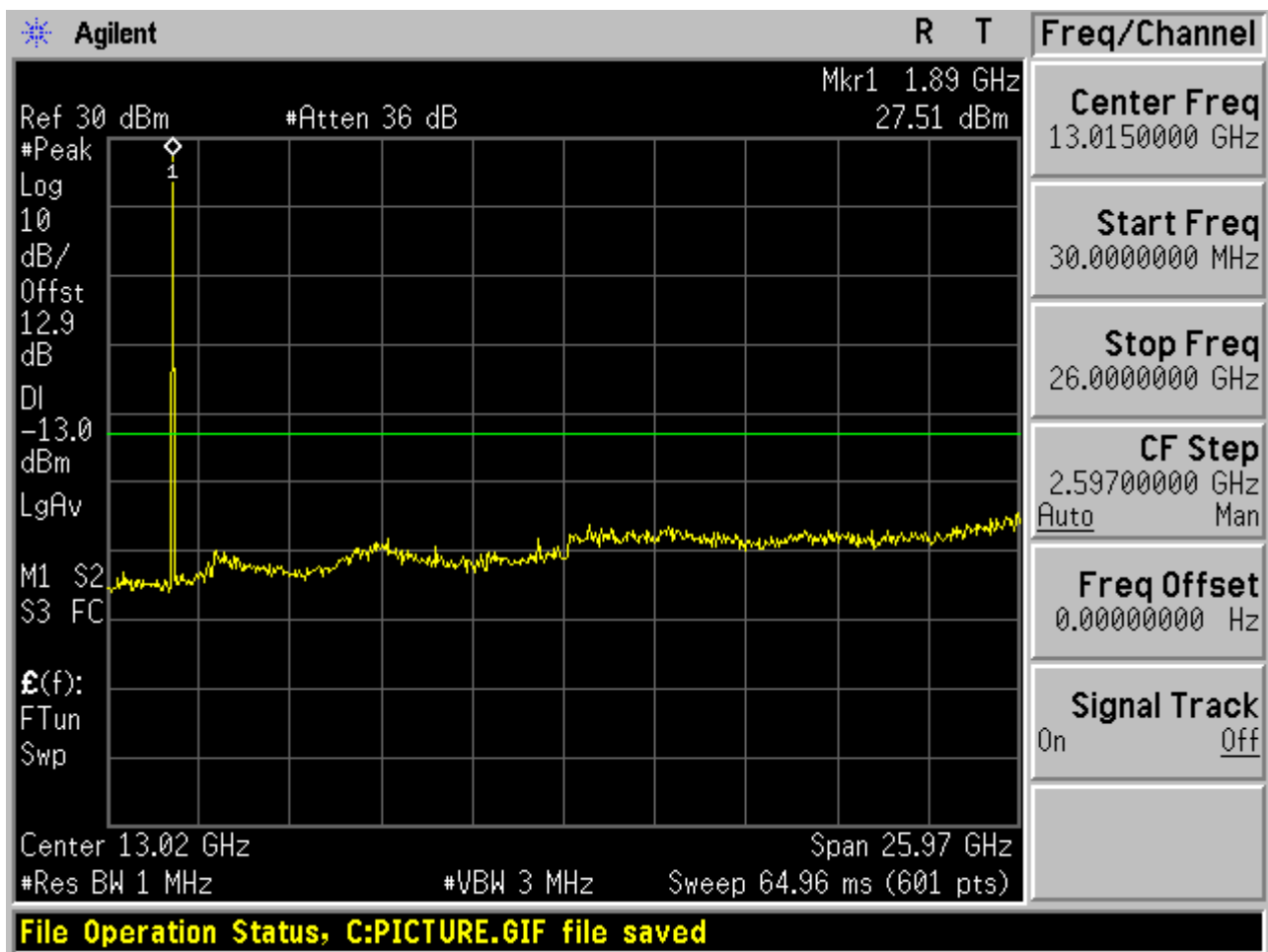


2.2.1.2 Channel = M

2.2.1.2.1 16QAM/1RBs /RB #0



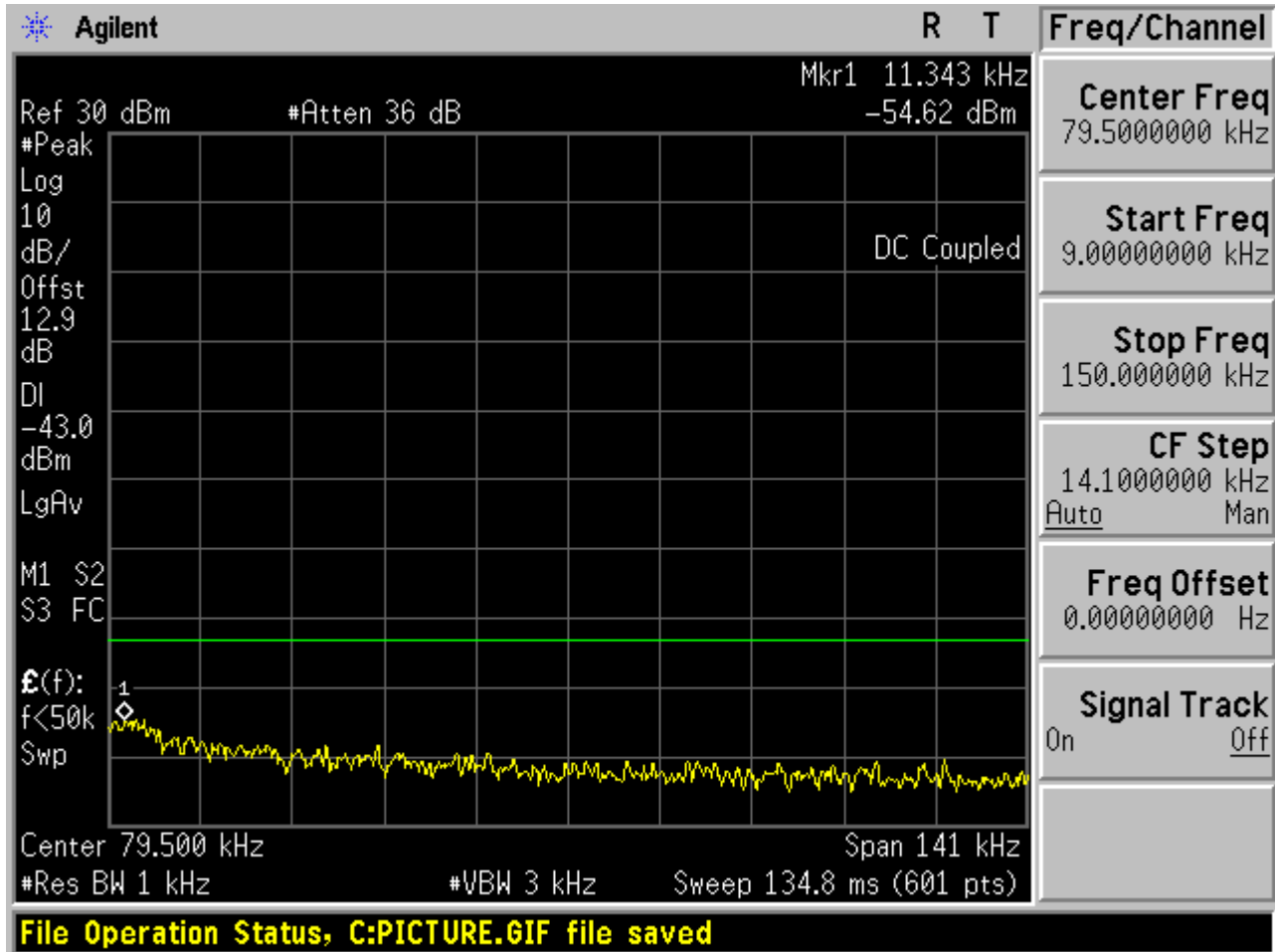


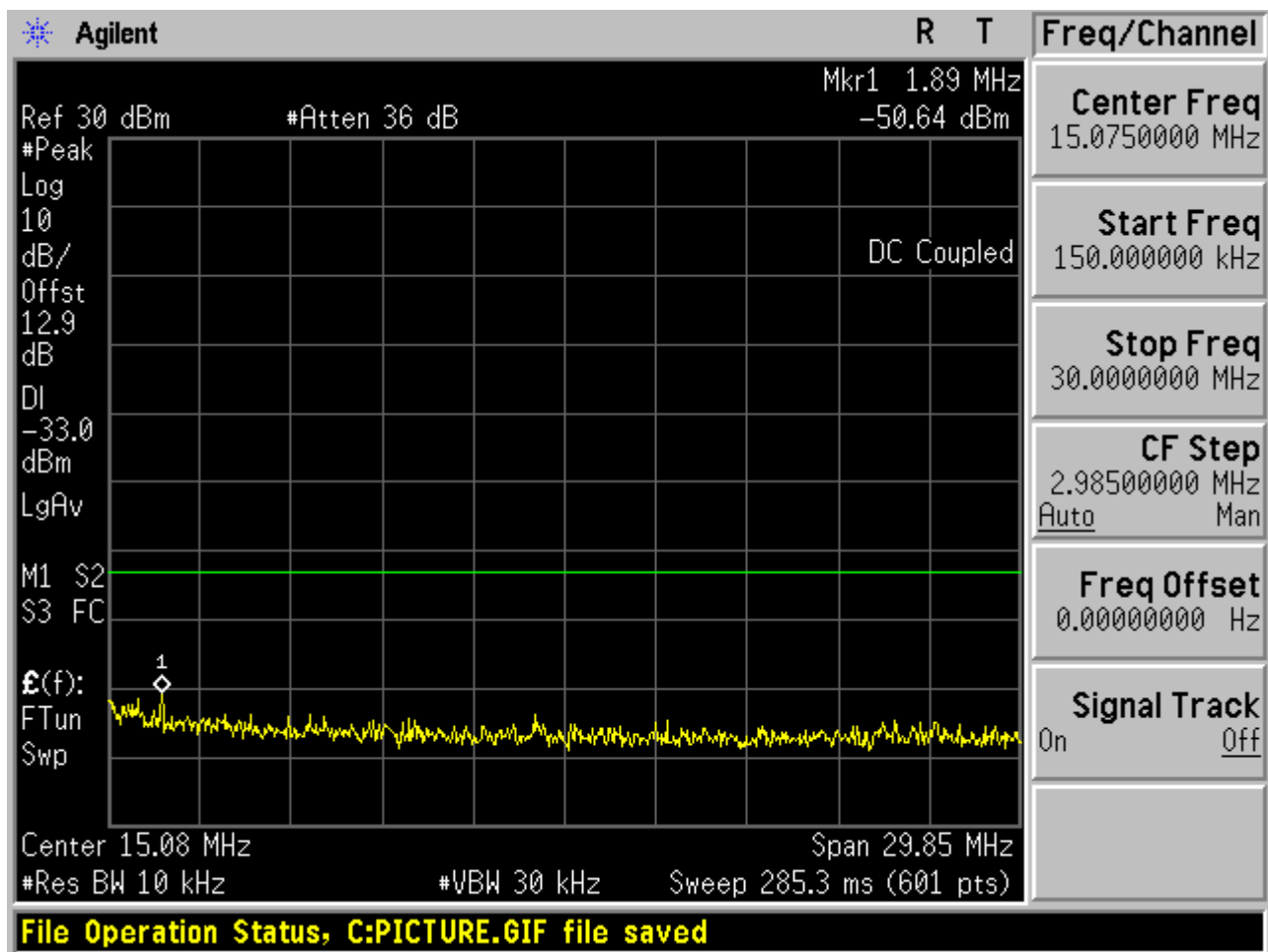


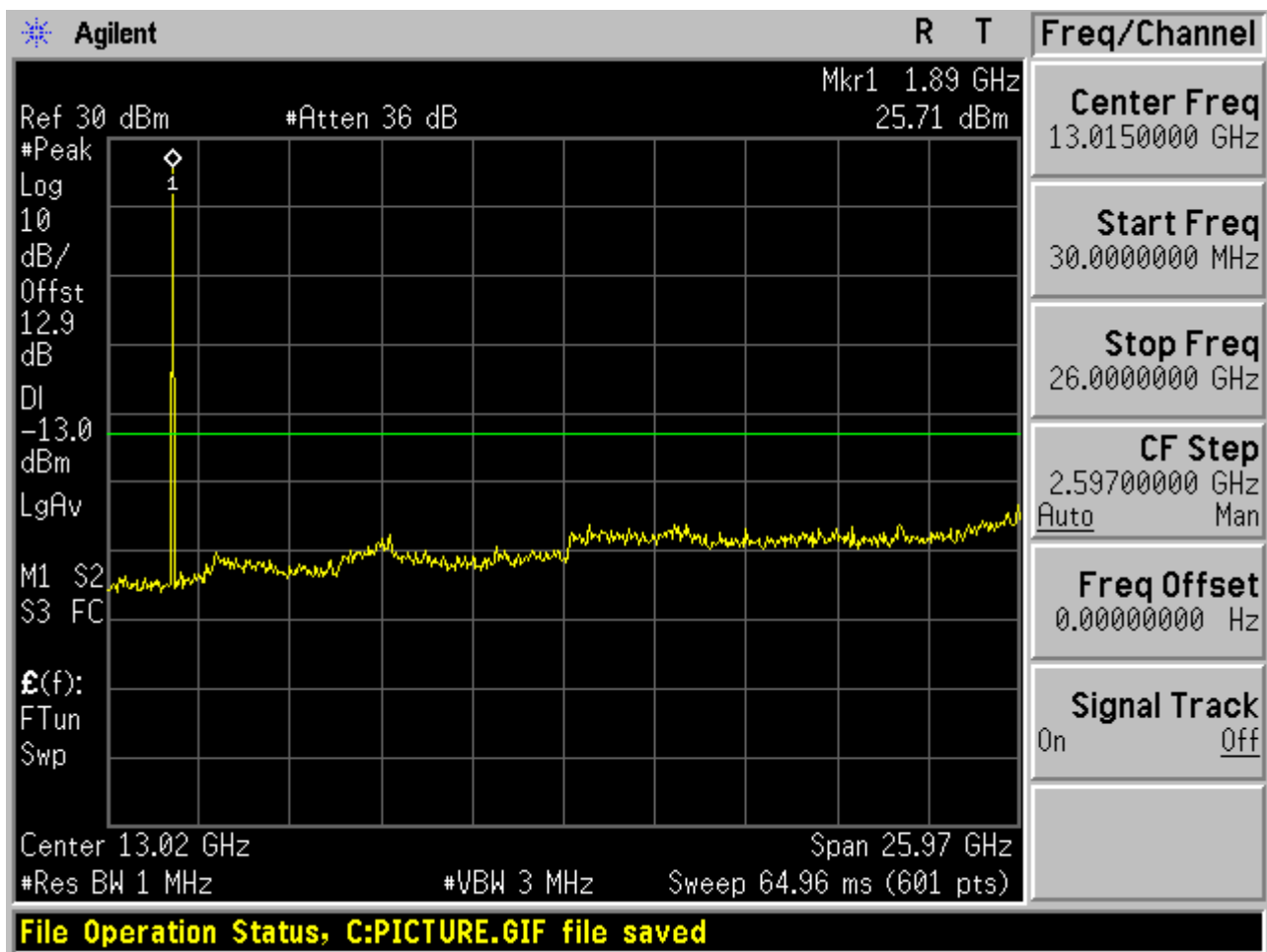


2.2.1.3 Channel = H

2.2.1.3.1 16QAM/1RBs /RB #0





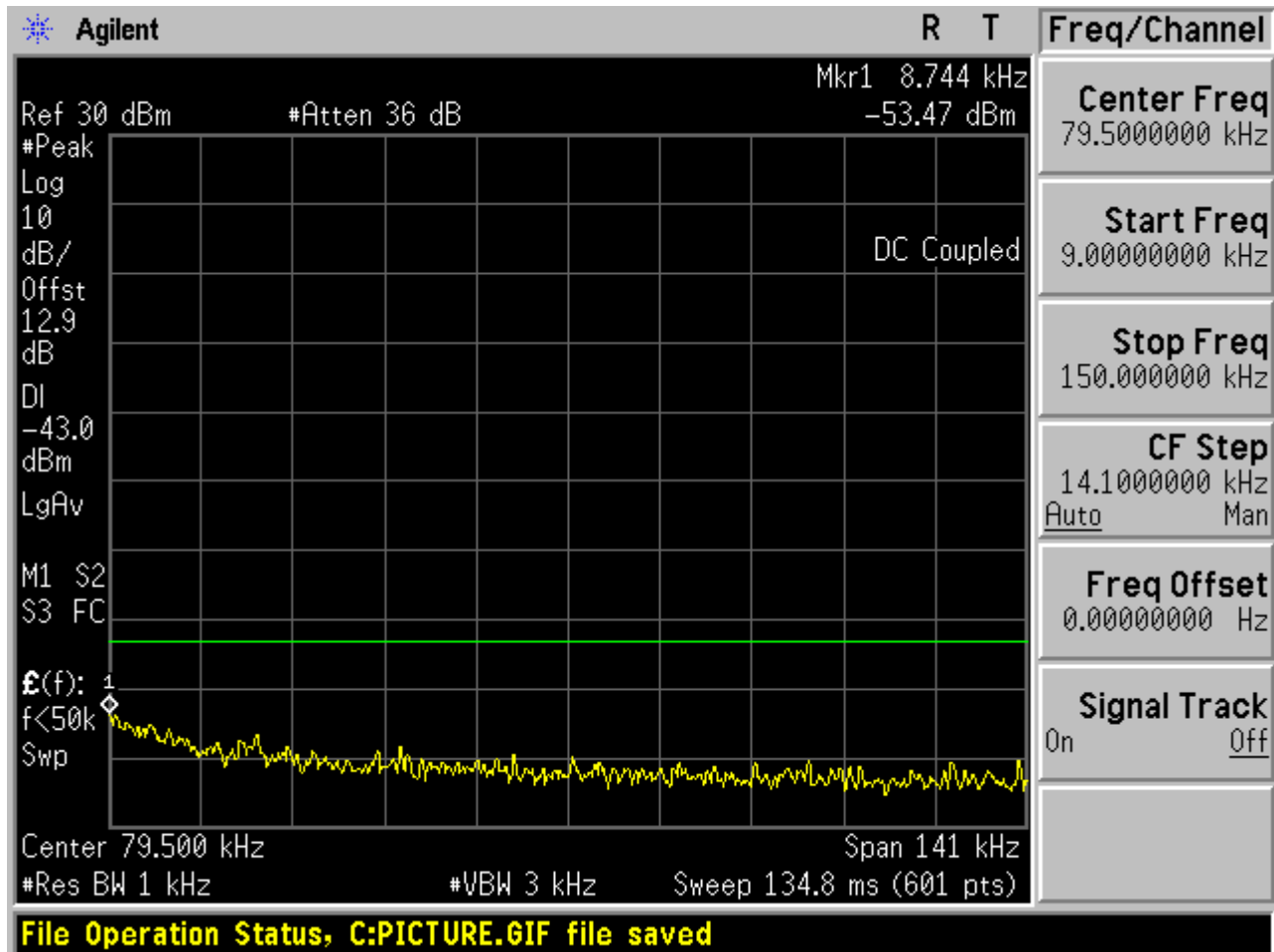


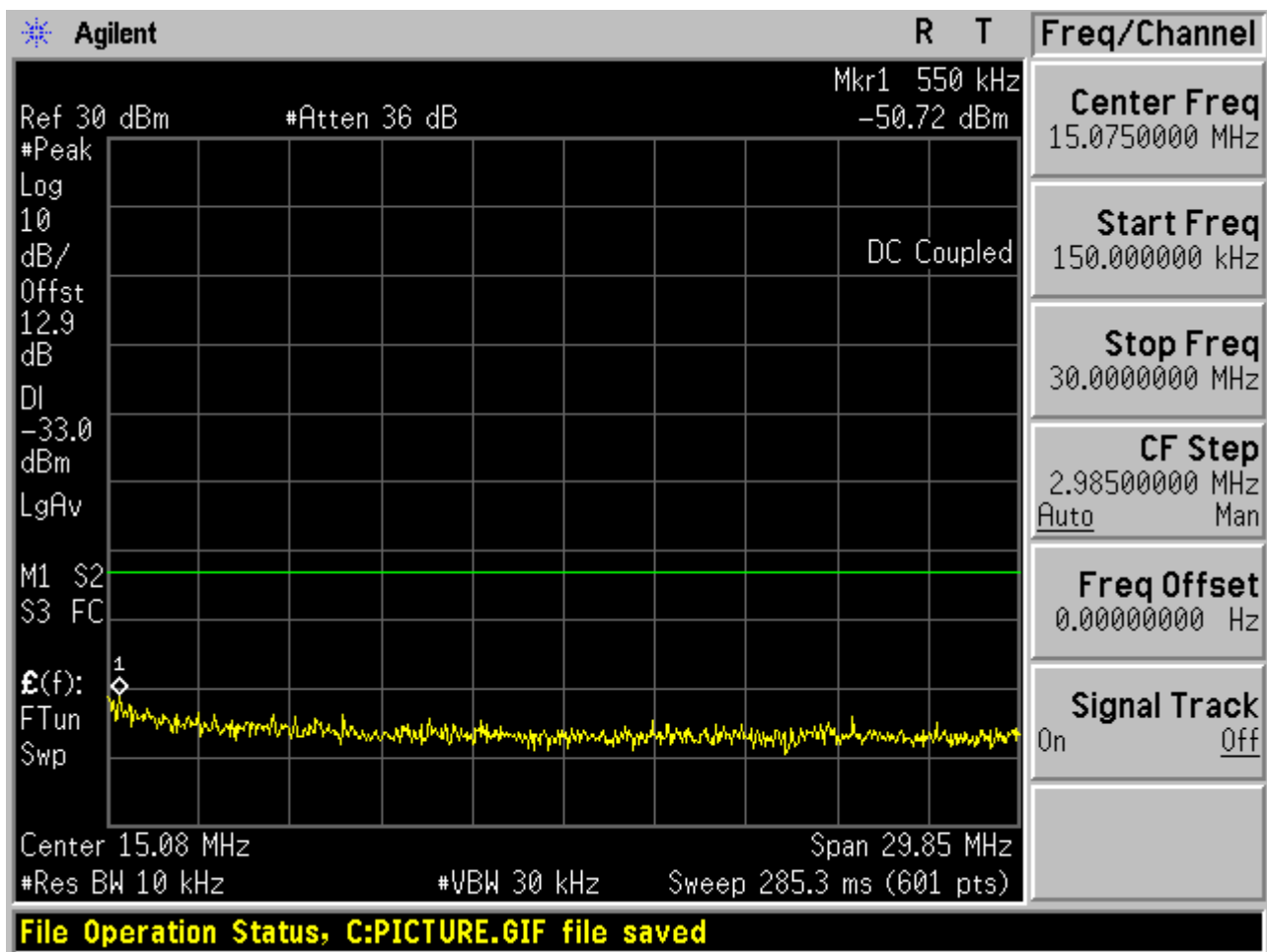


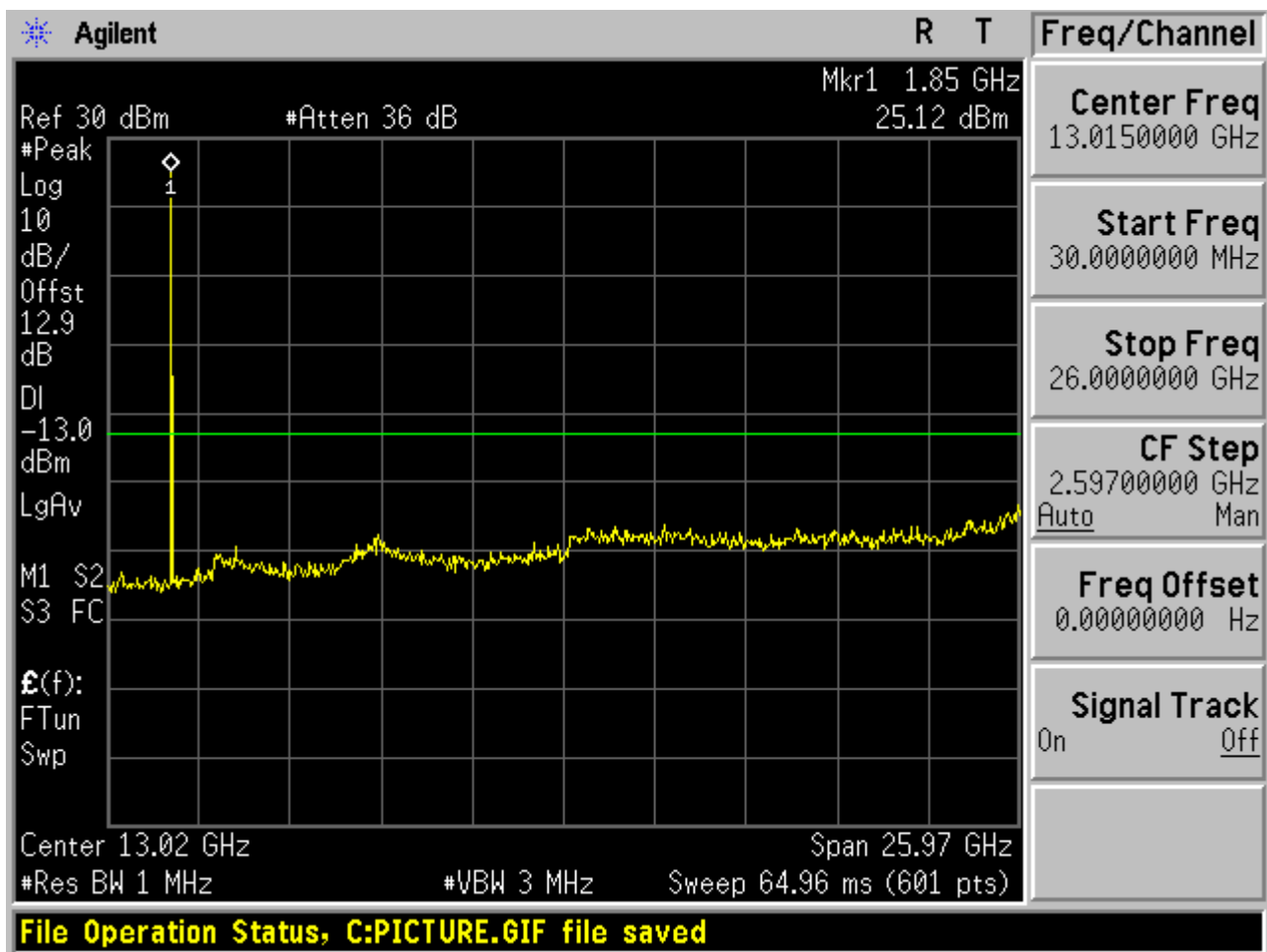
2.2.2 Channel Bandwidth = 3 MHz

2.2.2.1 Channel = L

2.2.2.1.1 16QAM/1RBs /RB #0



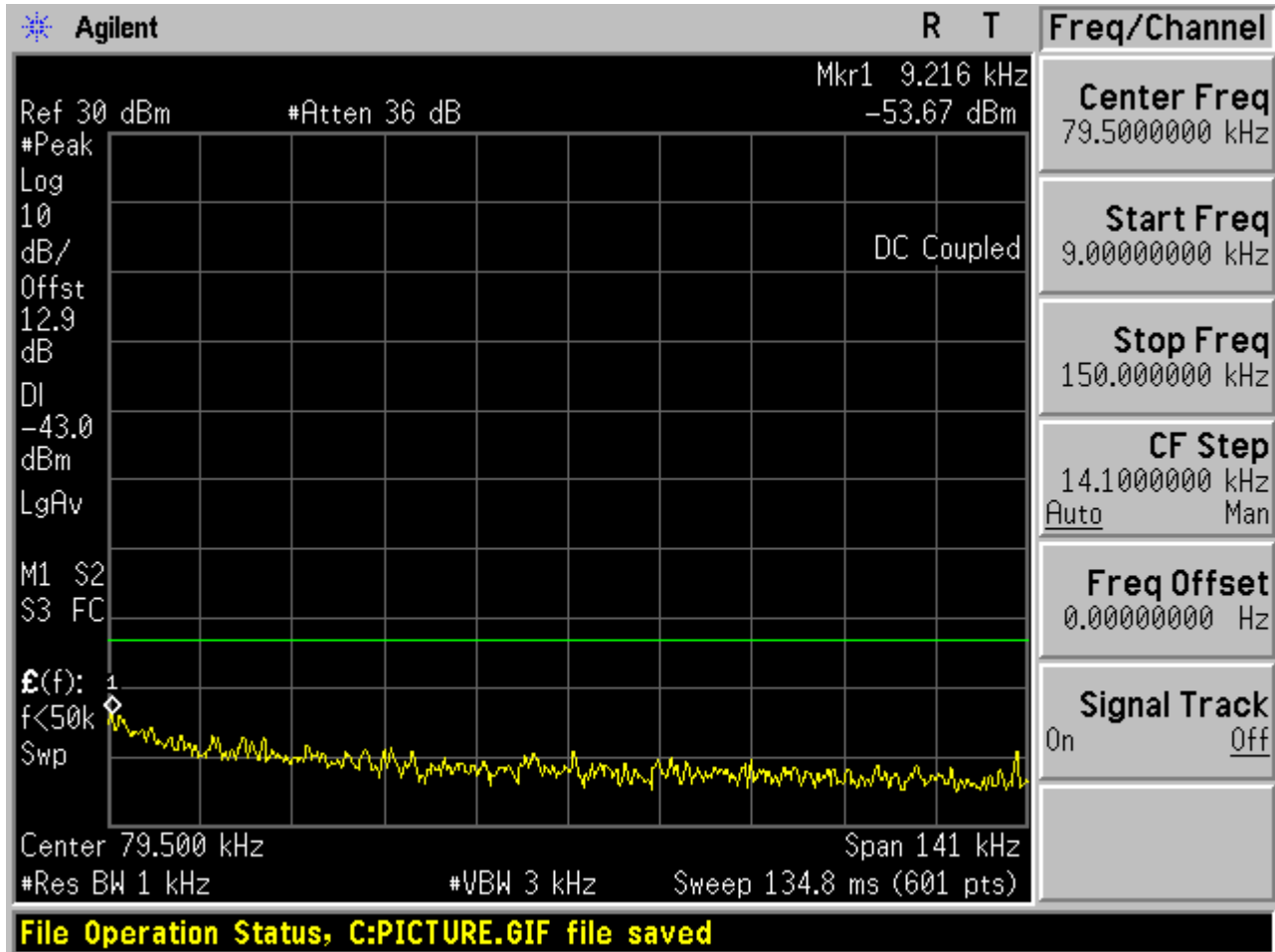


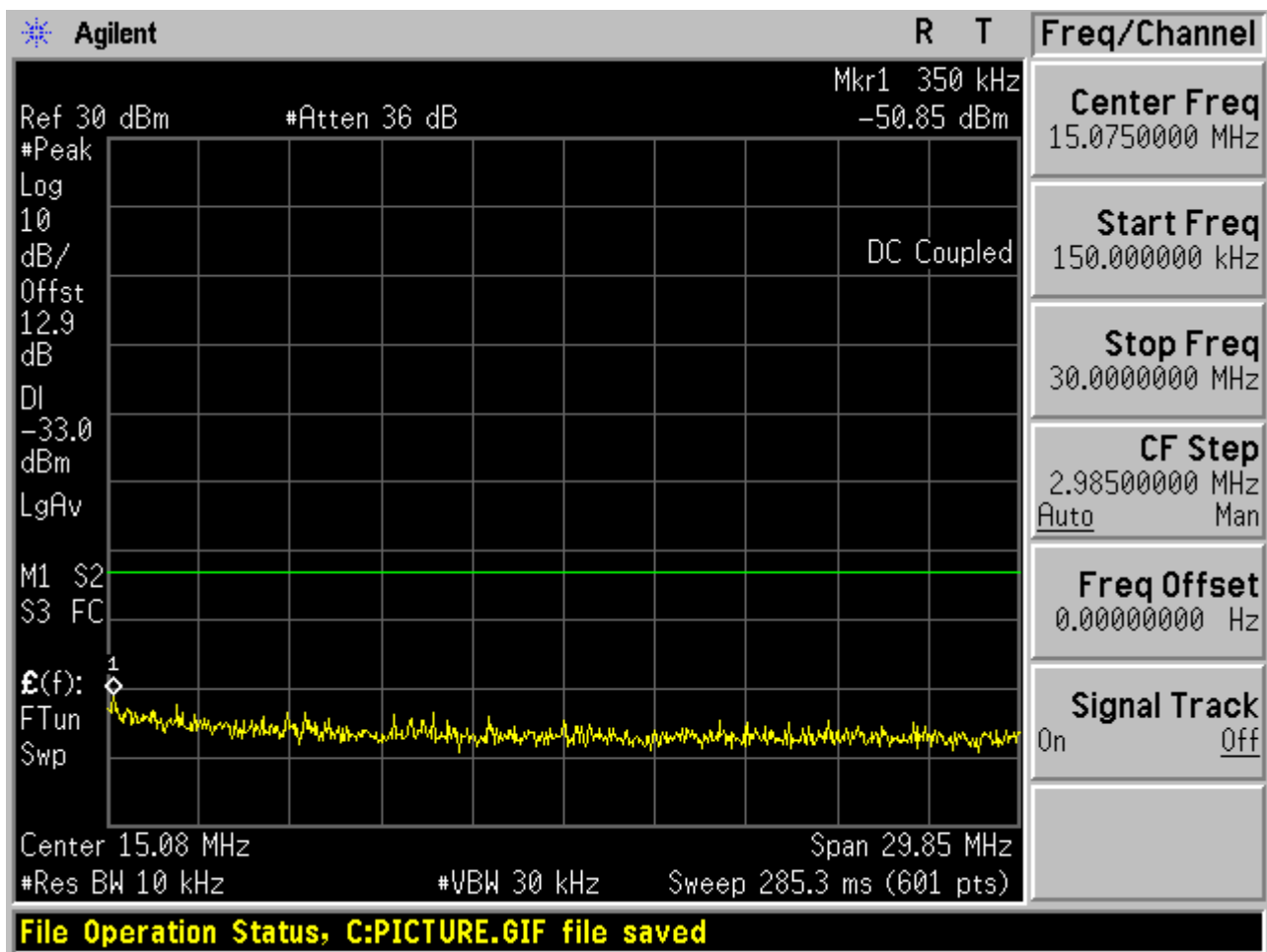


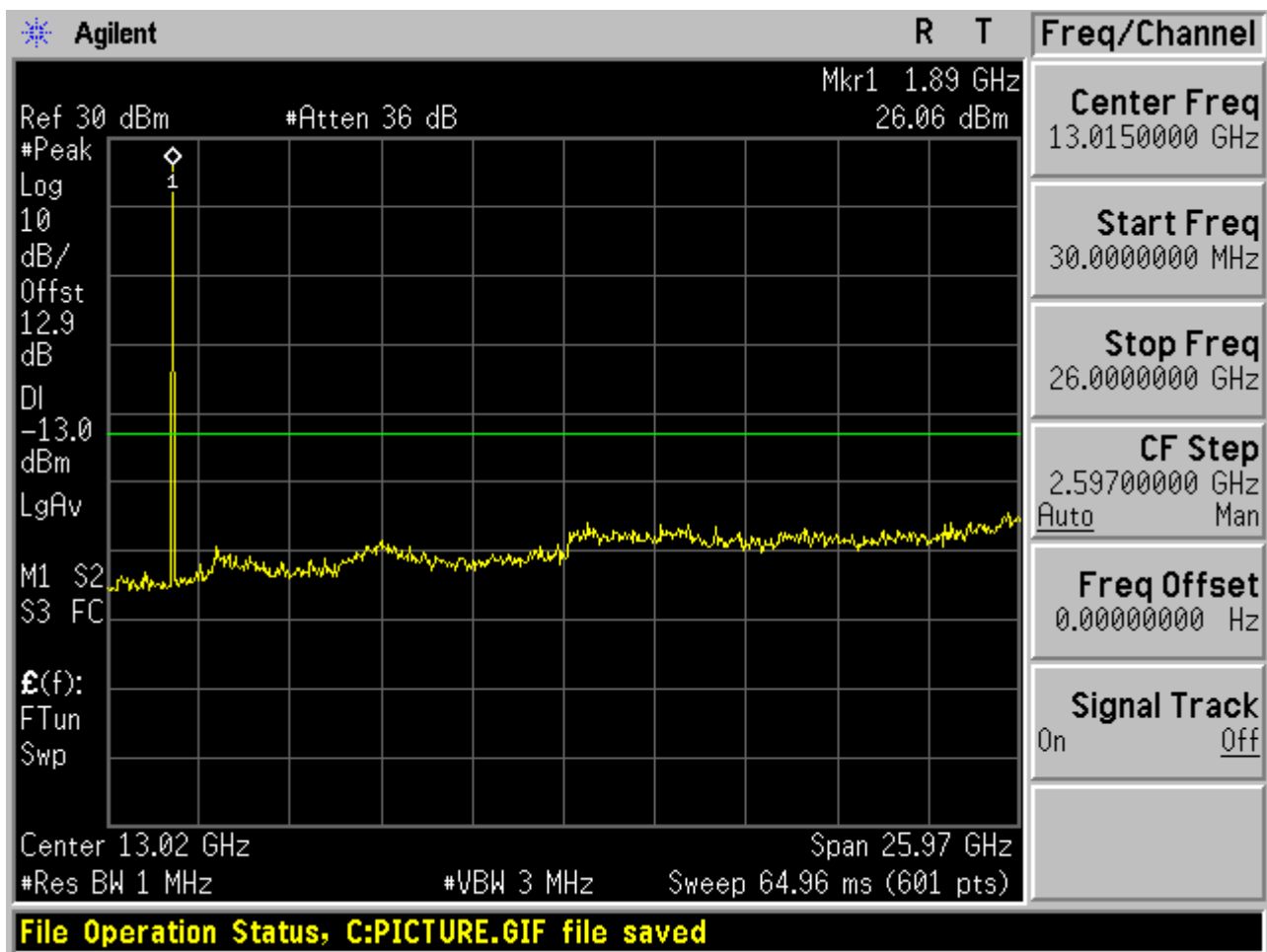


2.2.2.2 Channel = M

2.2.2.2.1 16QAM/1RBs /RB #0



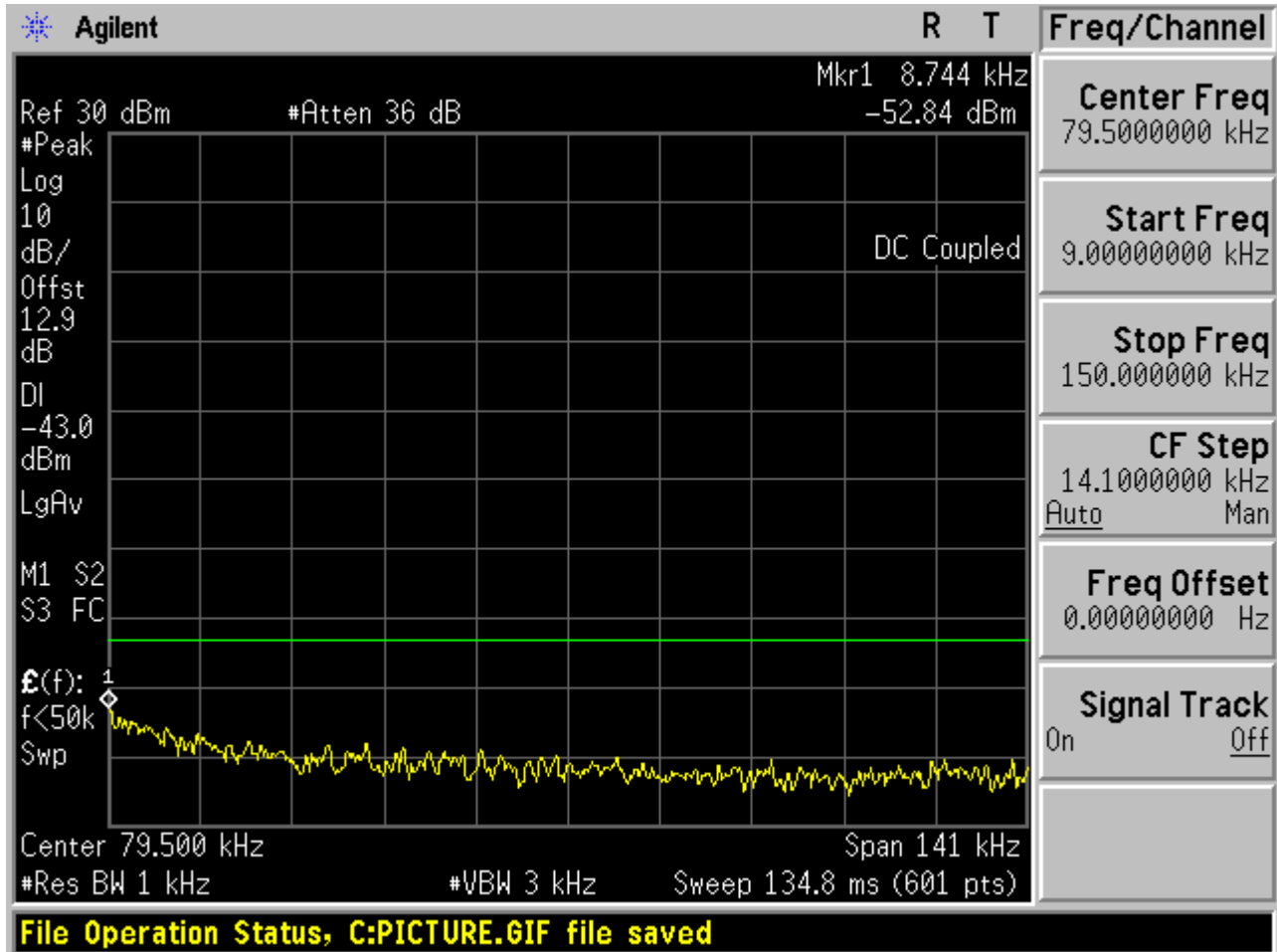


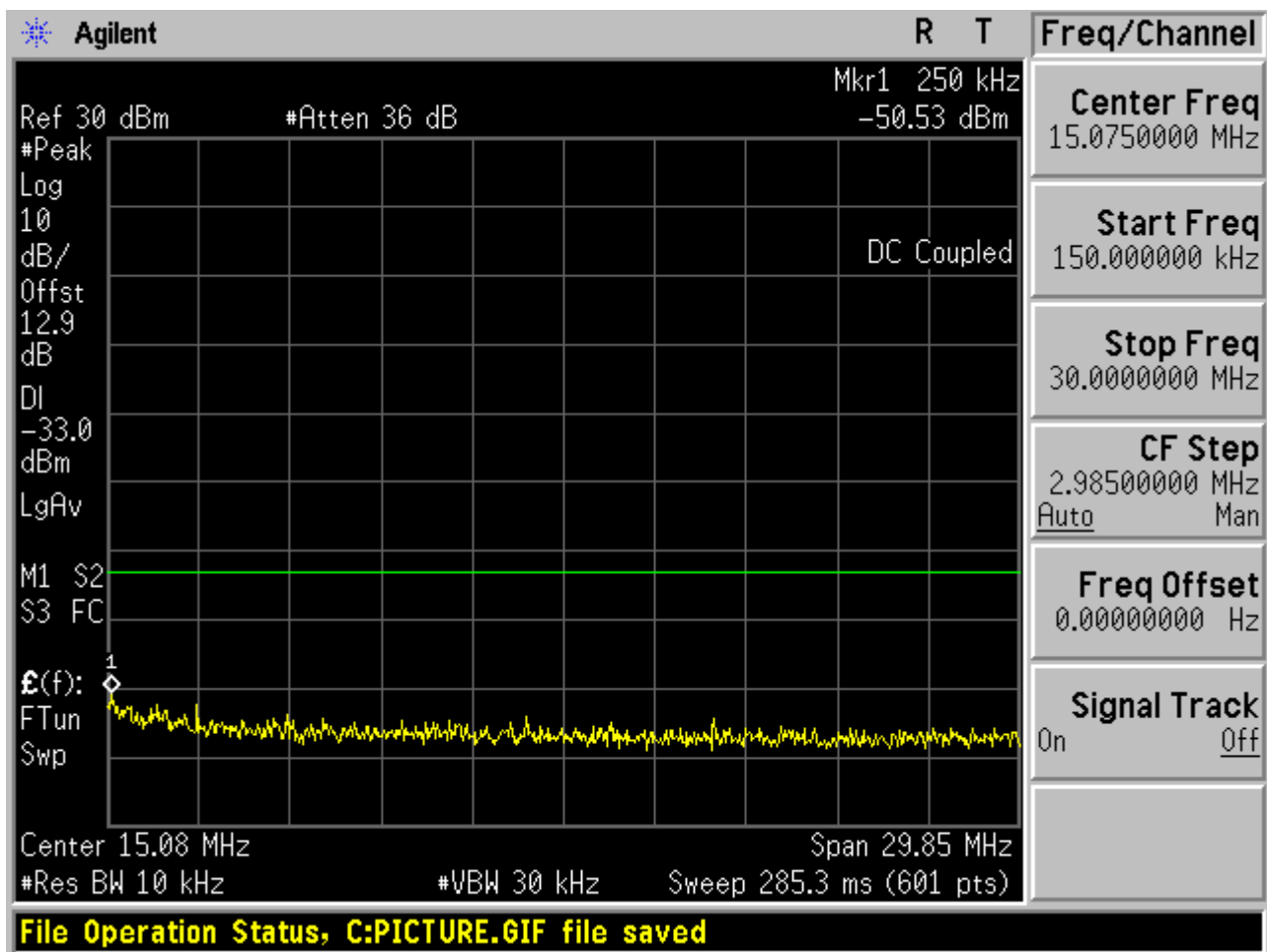


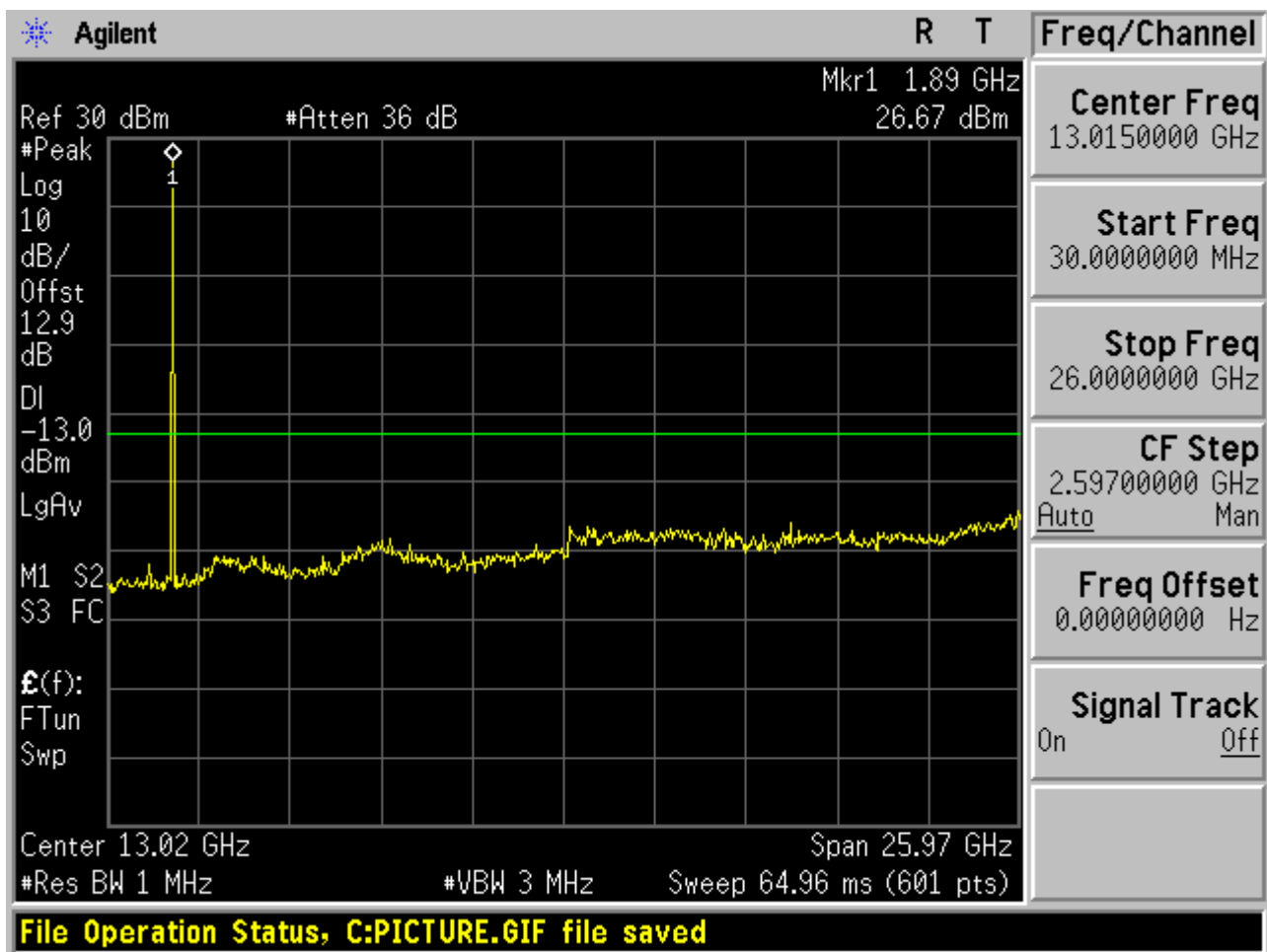


2.2.2.3 Channel = H

2.2.2.3.1 16QAM/1RBs /RB #0





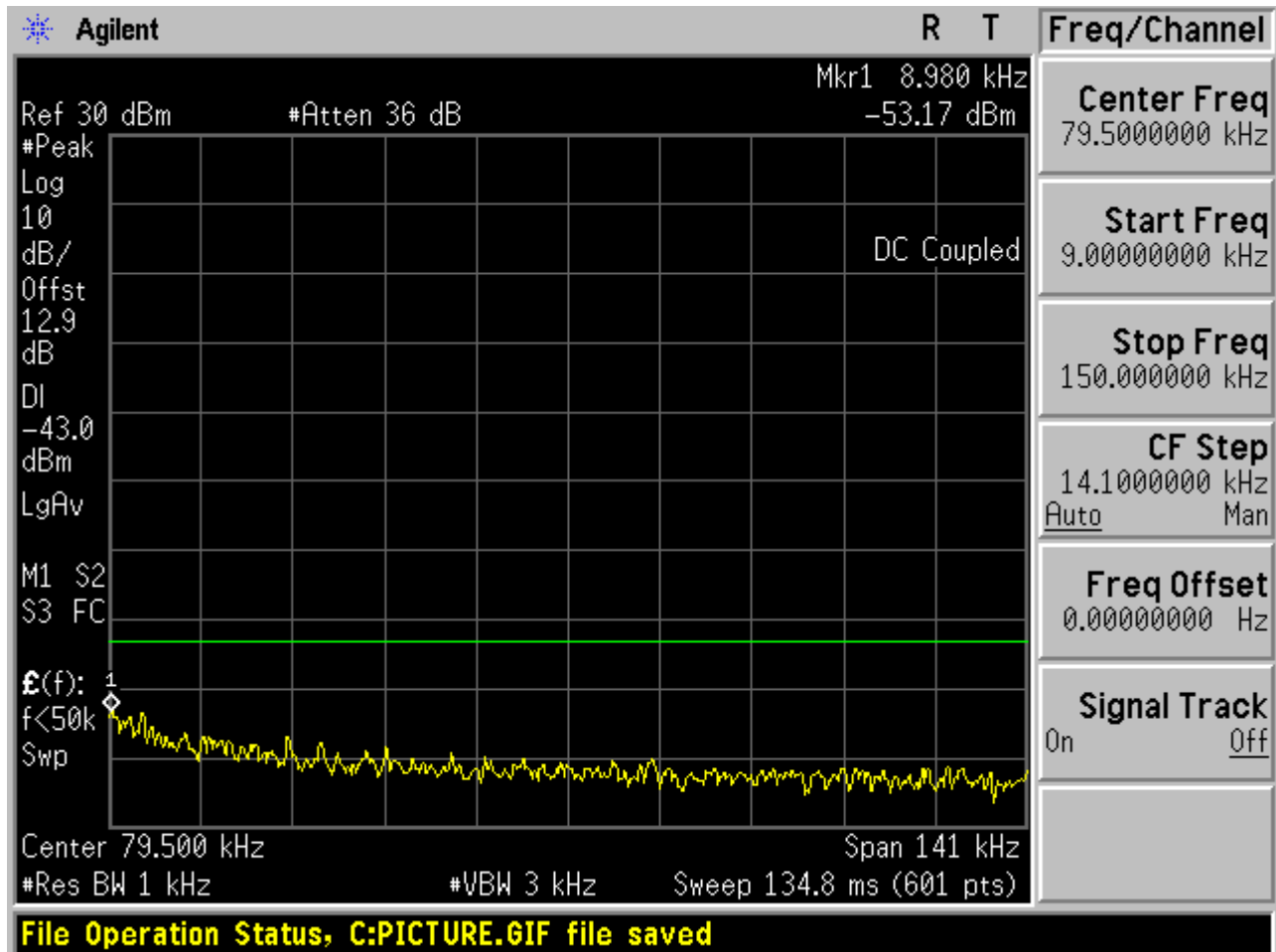


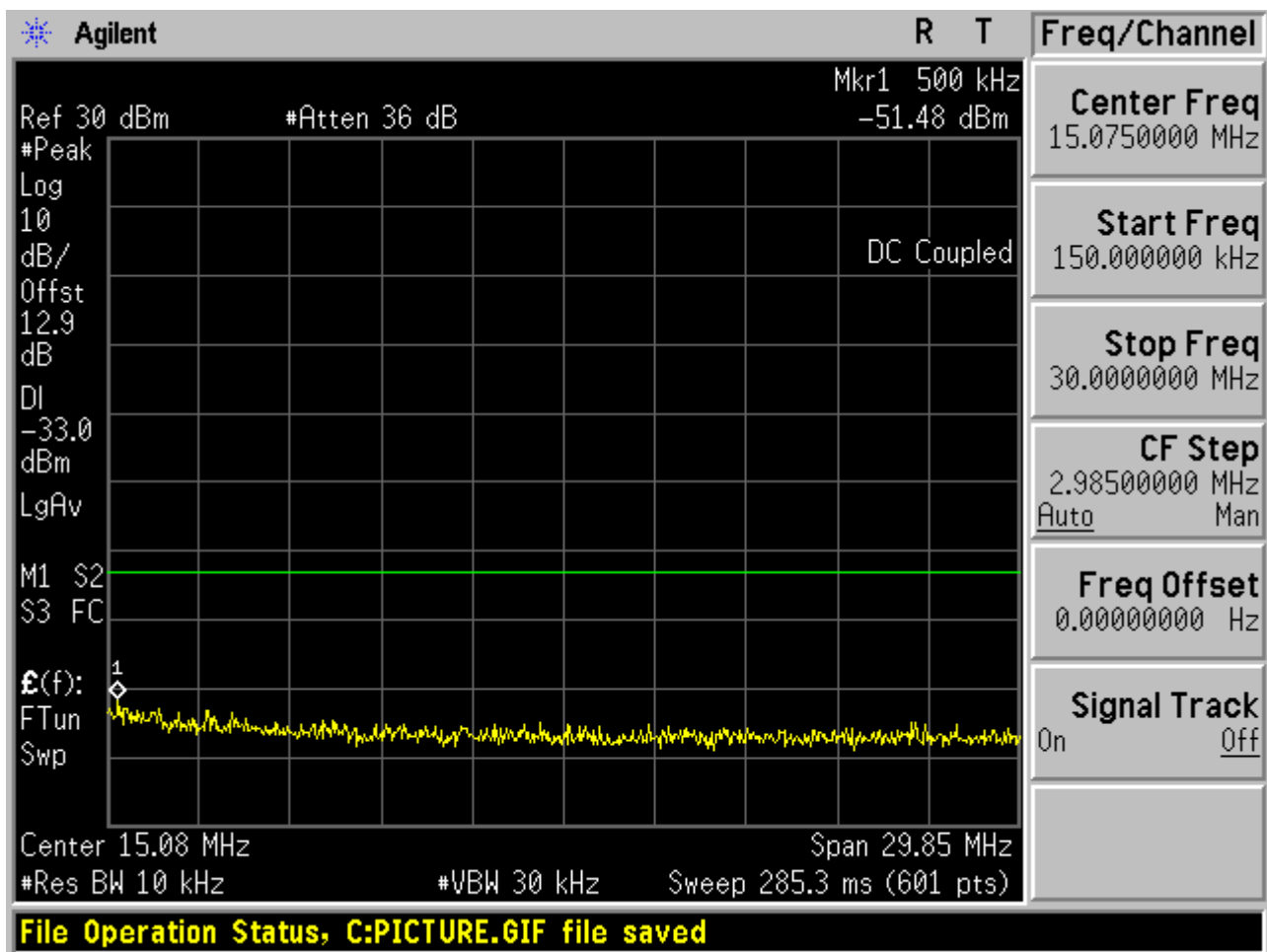


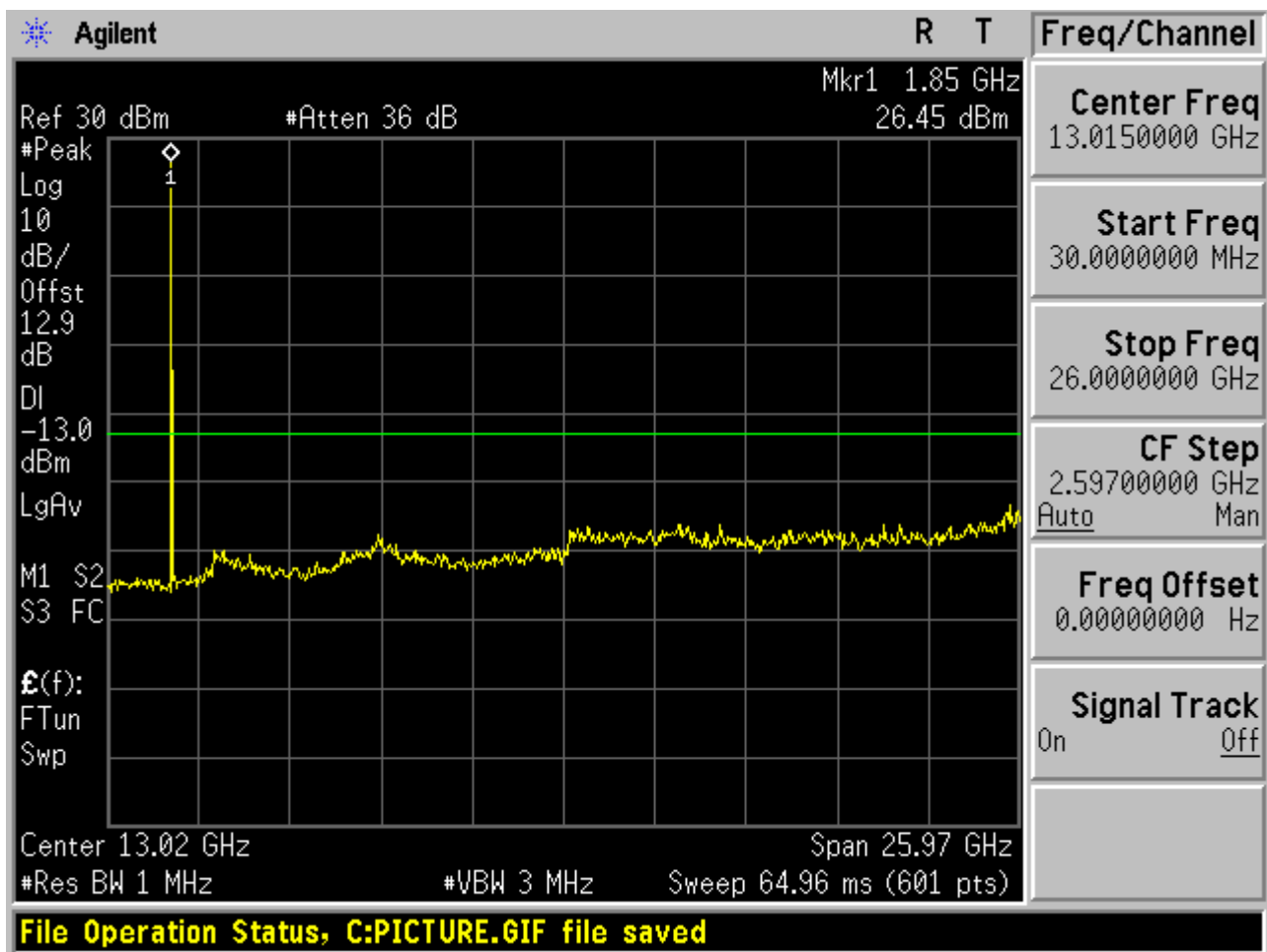
2.2.3 Channel Bandwidth = 5 MHz

2.2.3.1 Channel = L

2.2.3.1.1 16QAM/1RBs /RB #0



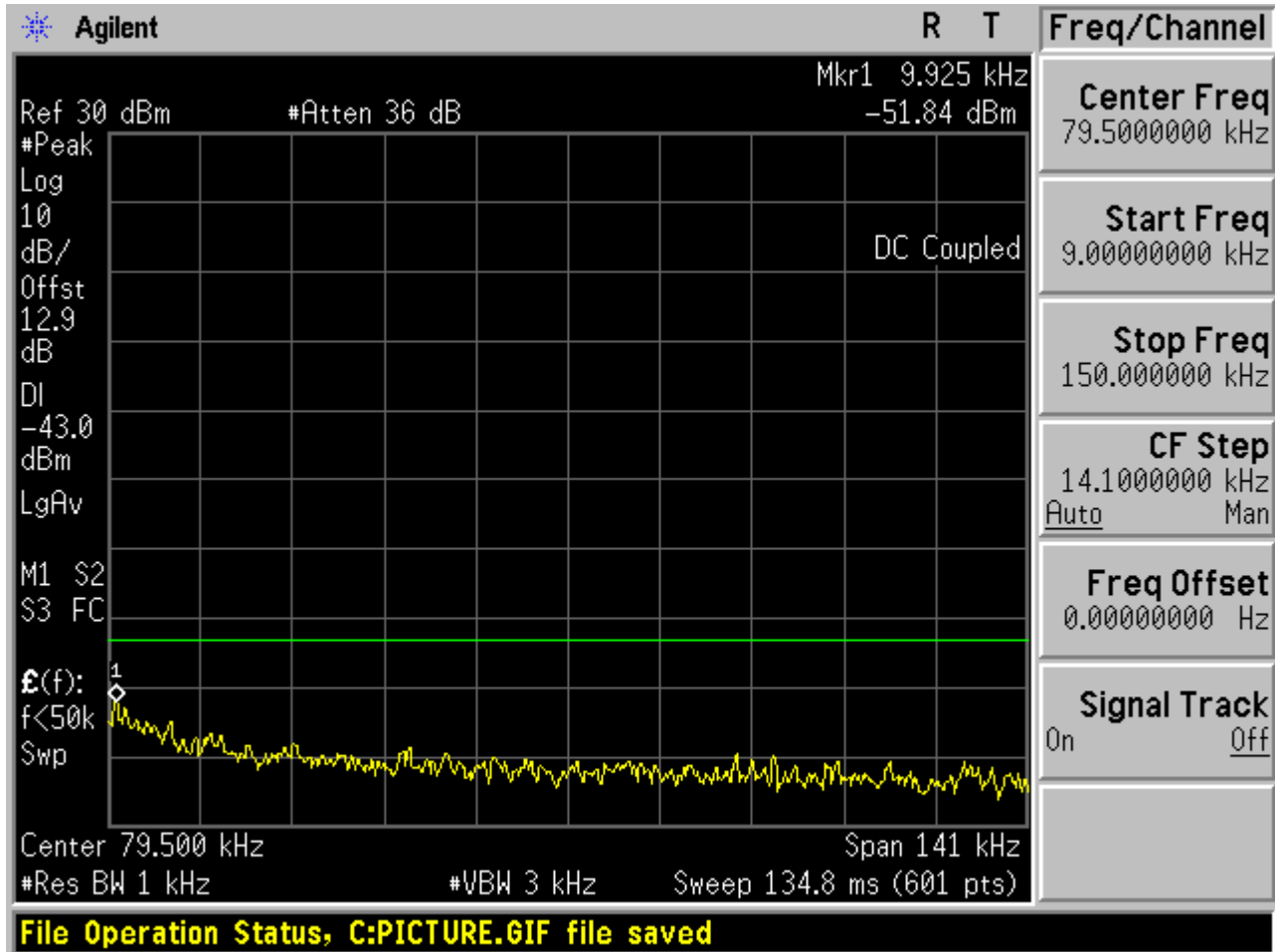


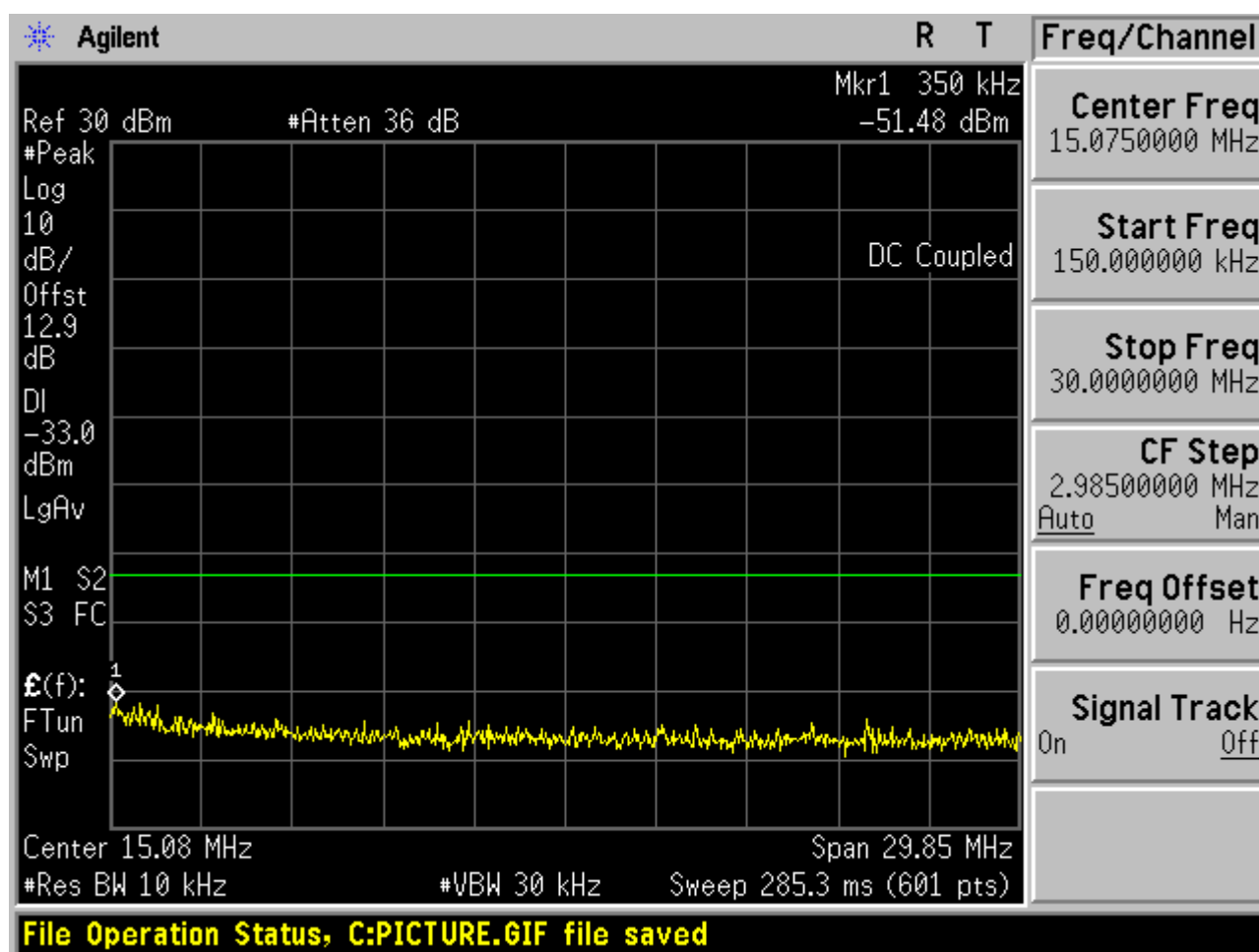


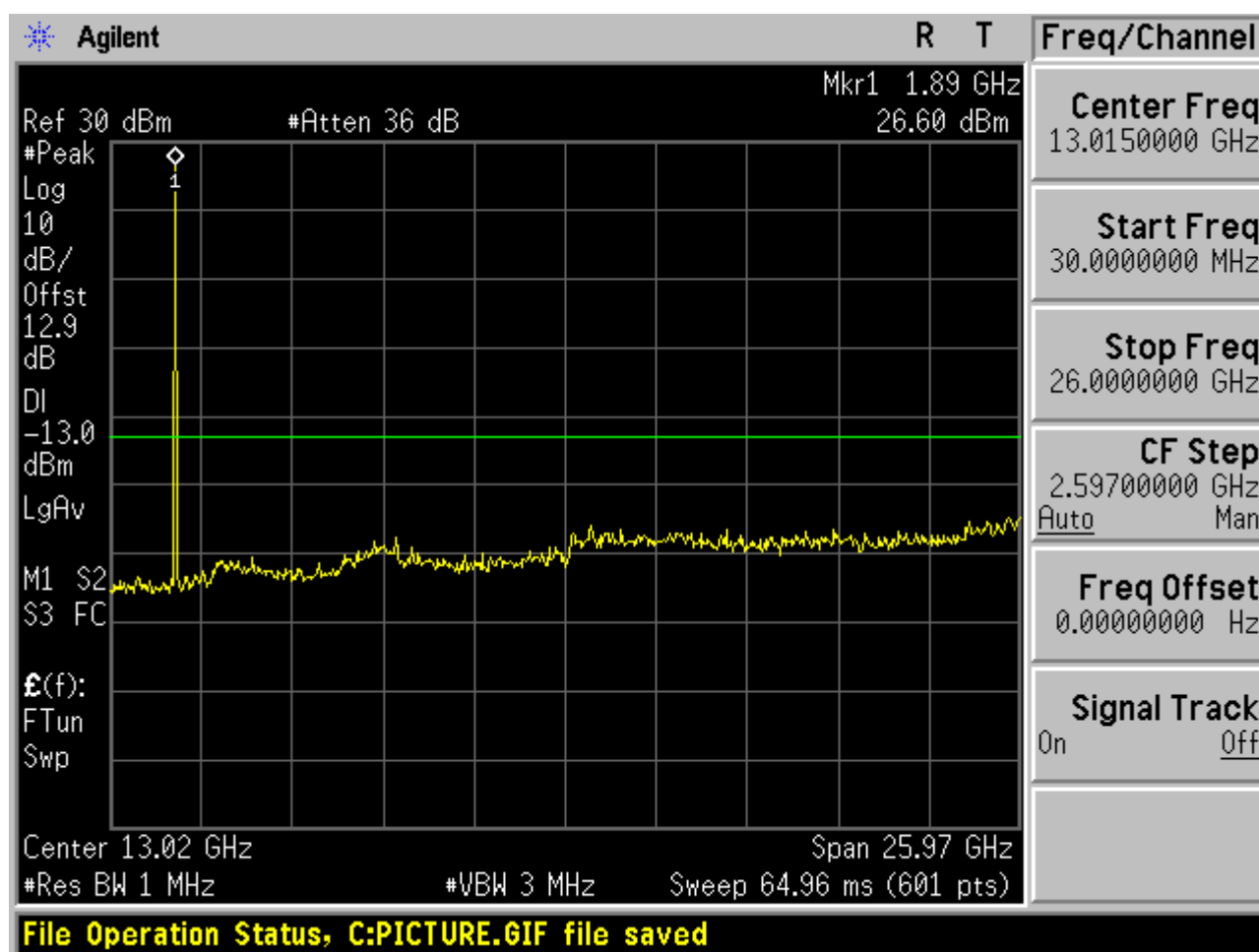


2.2.3.2 Channel = M

2.2.3.2.1 16QAM/1RBs /RB #0



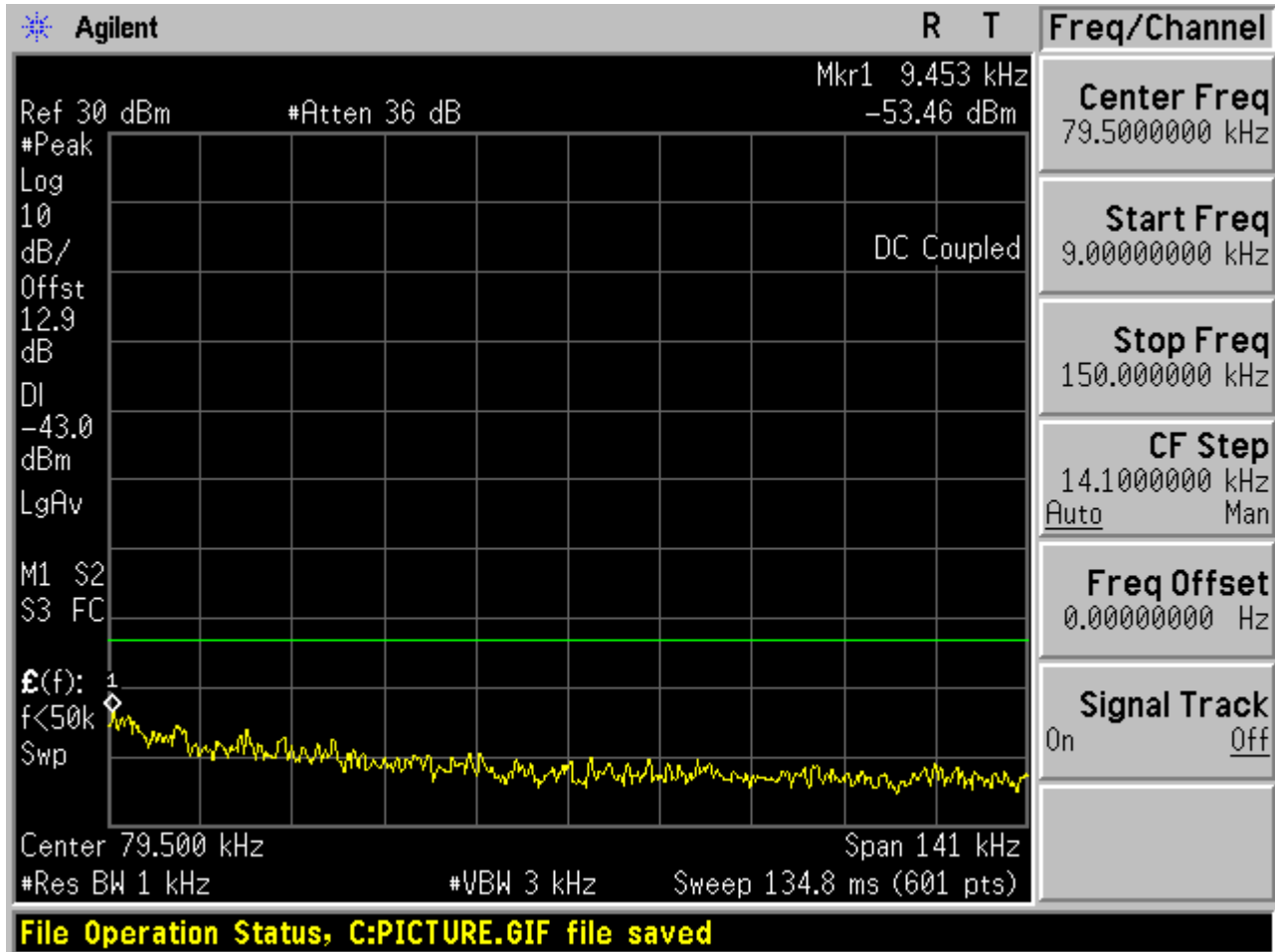


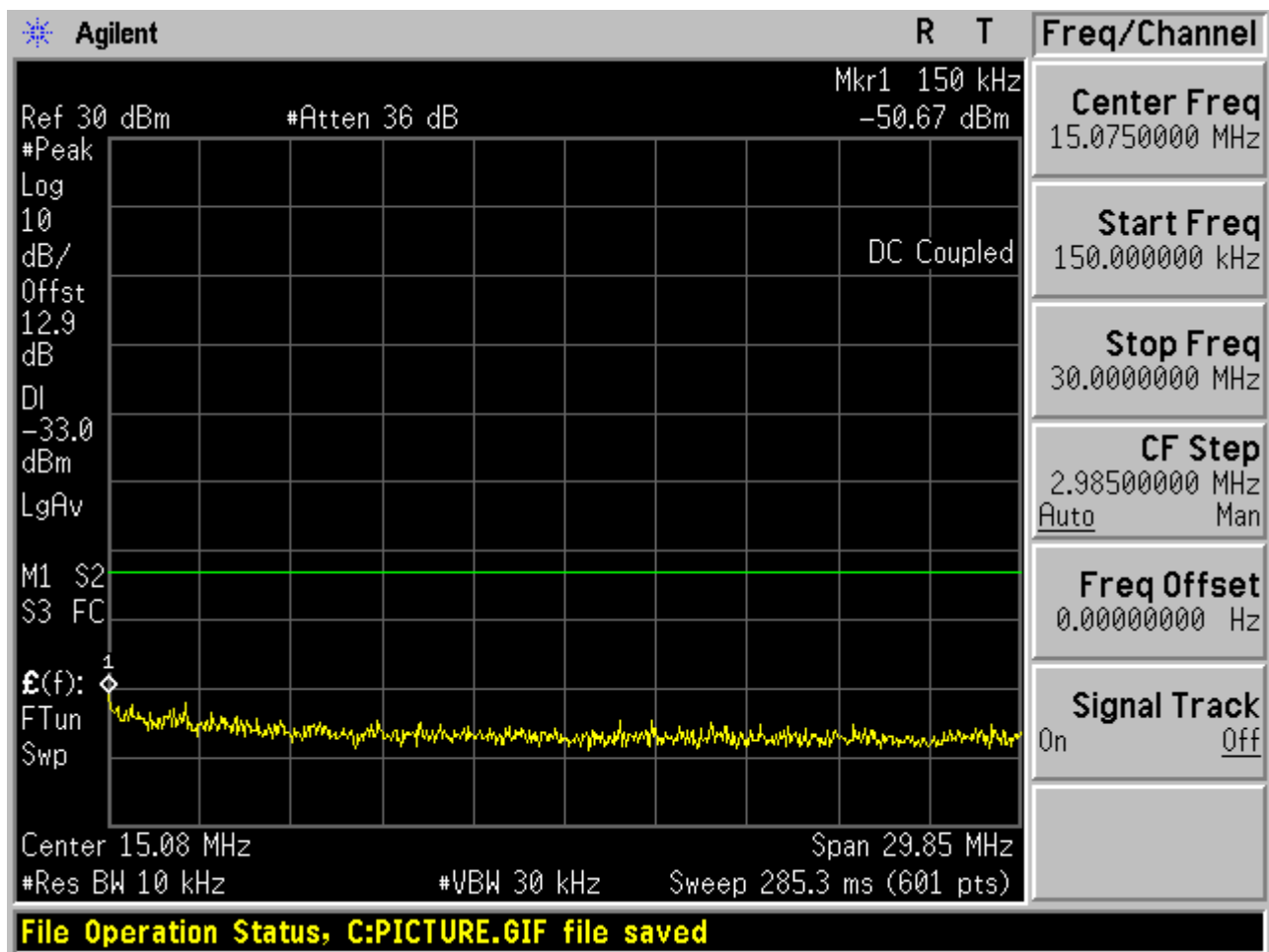


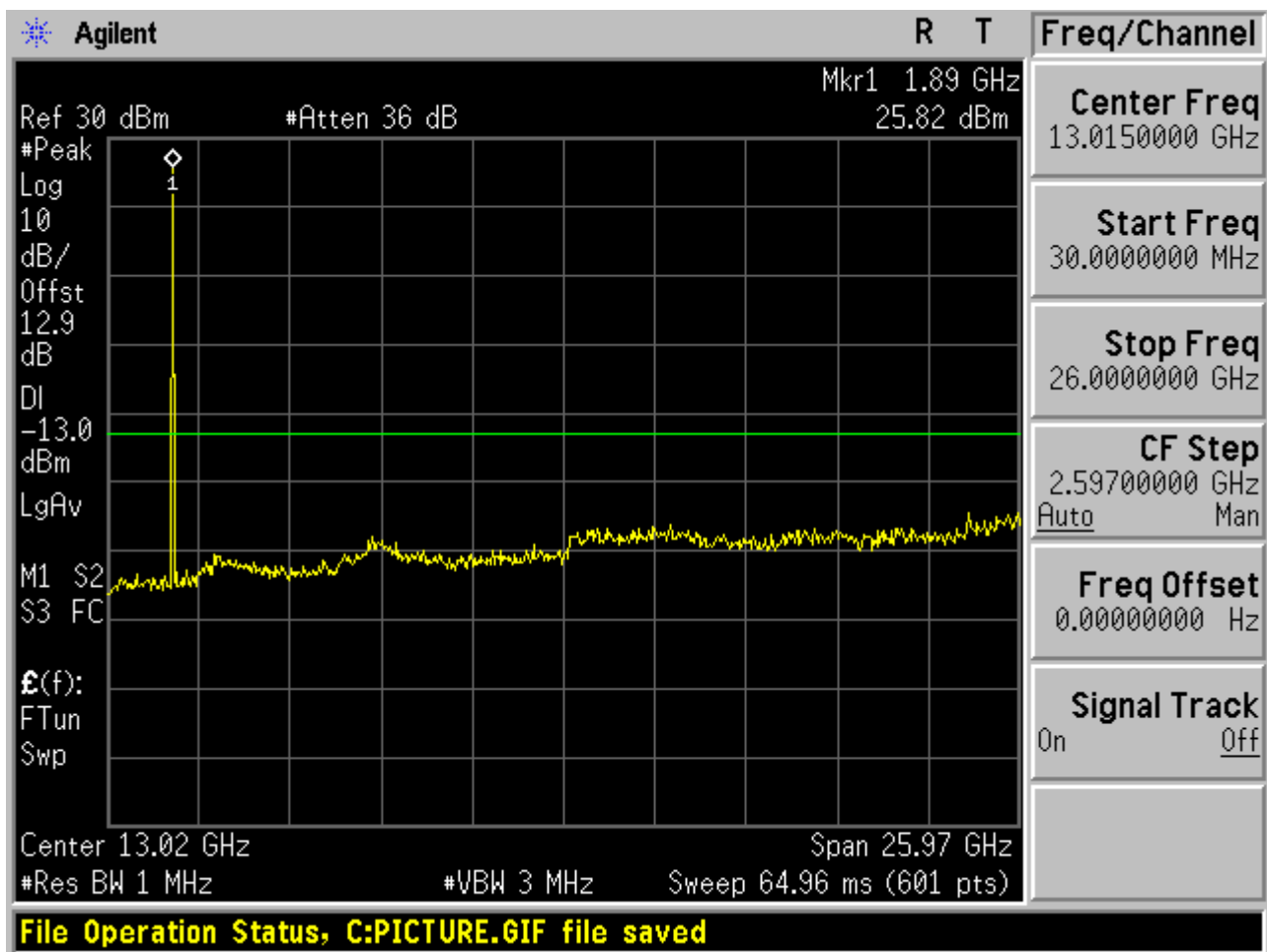


2.2.3.3 Channel = H

2.2.3.3.1 16QAM/1RBs /RB #0





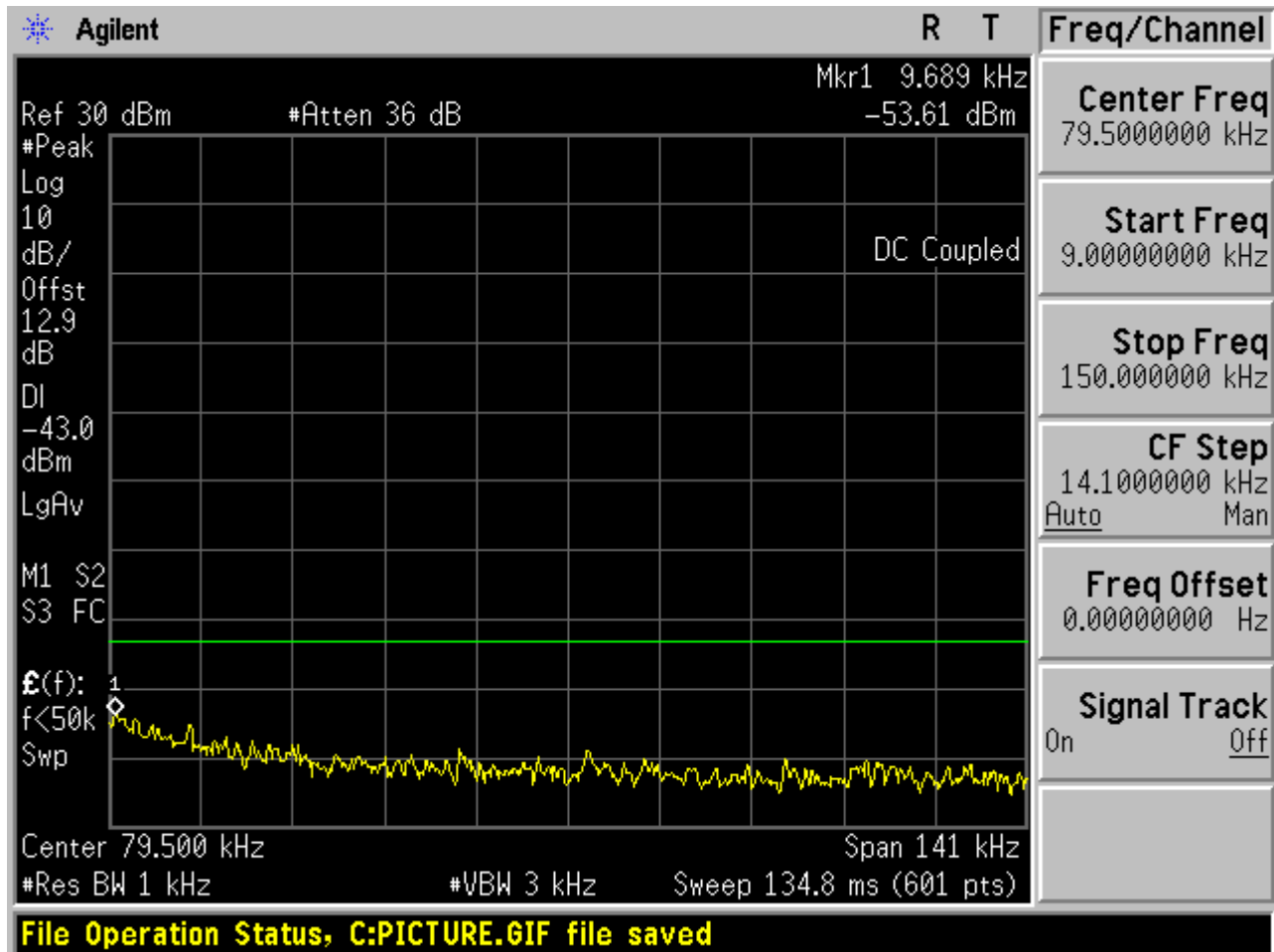


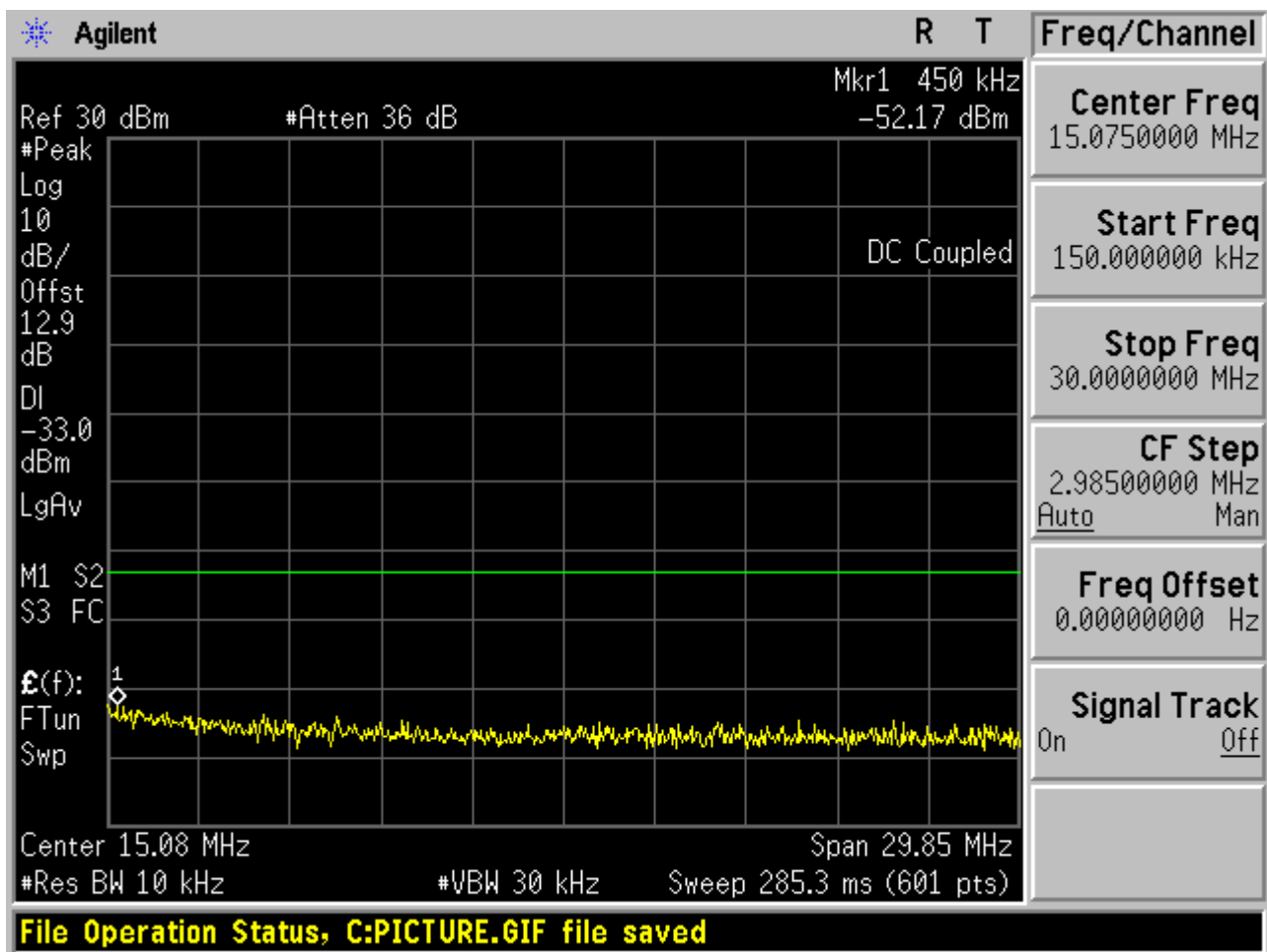


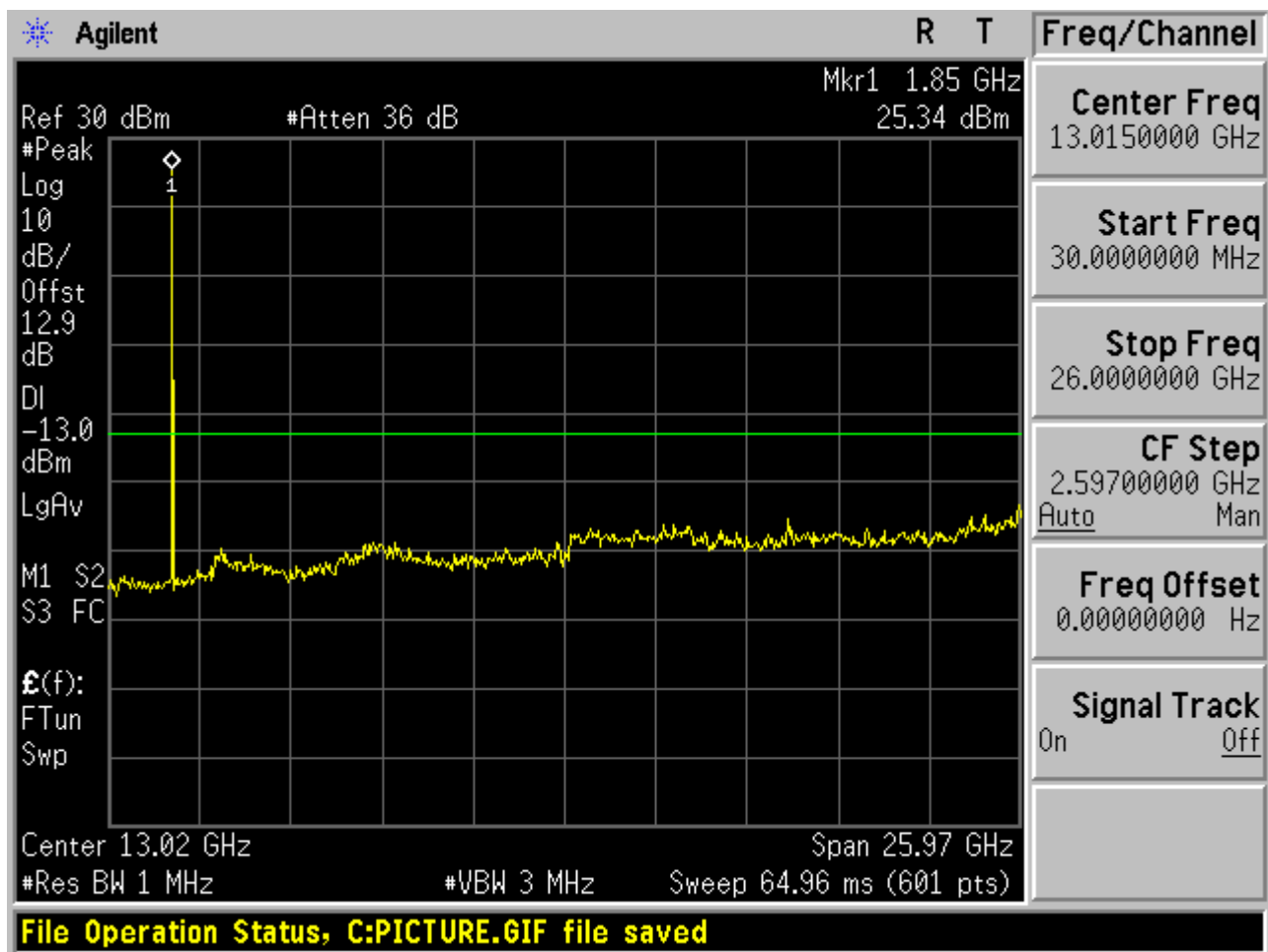
2.2.4 Channel Bandwidth = 10 MHz

2.2.4.1 Channel = L

2.2.4.1.1 16QAM/1RBs /RB #0



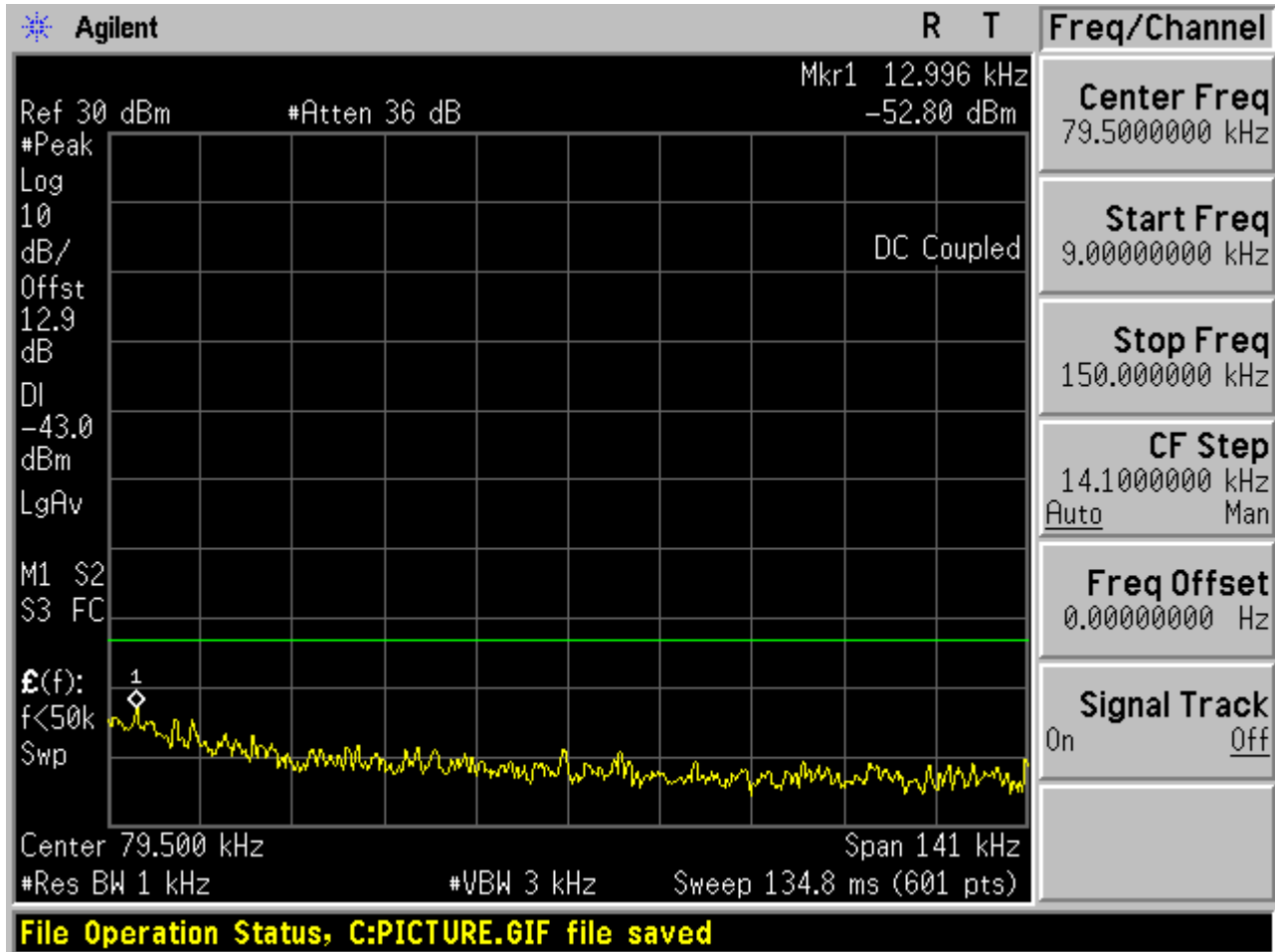


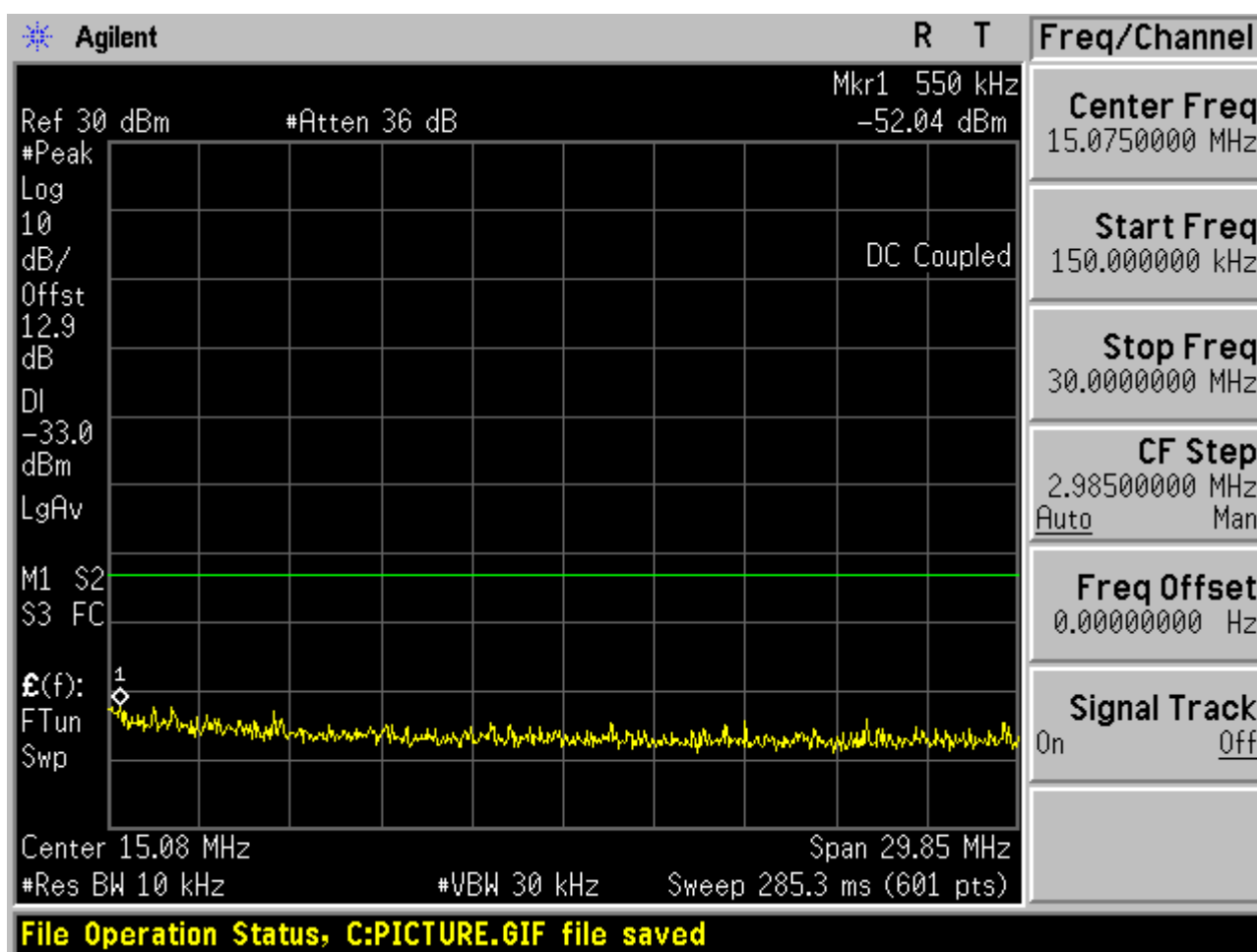


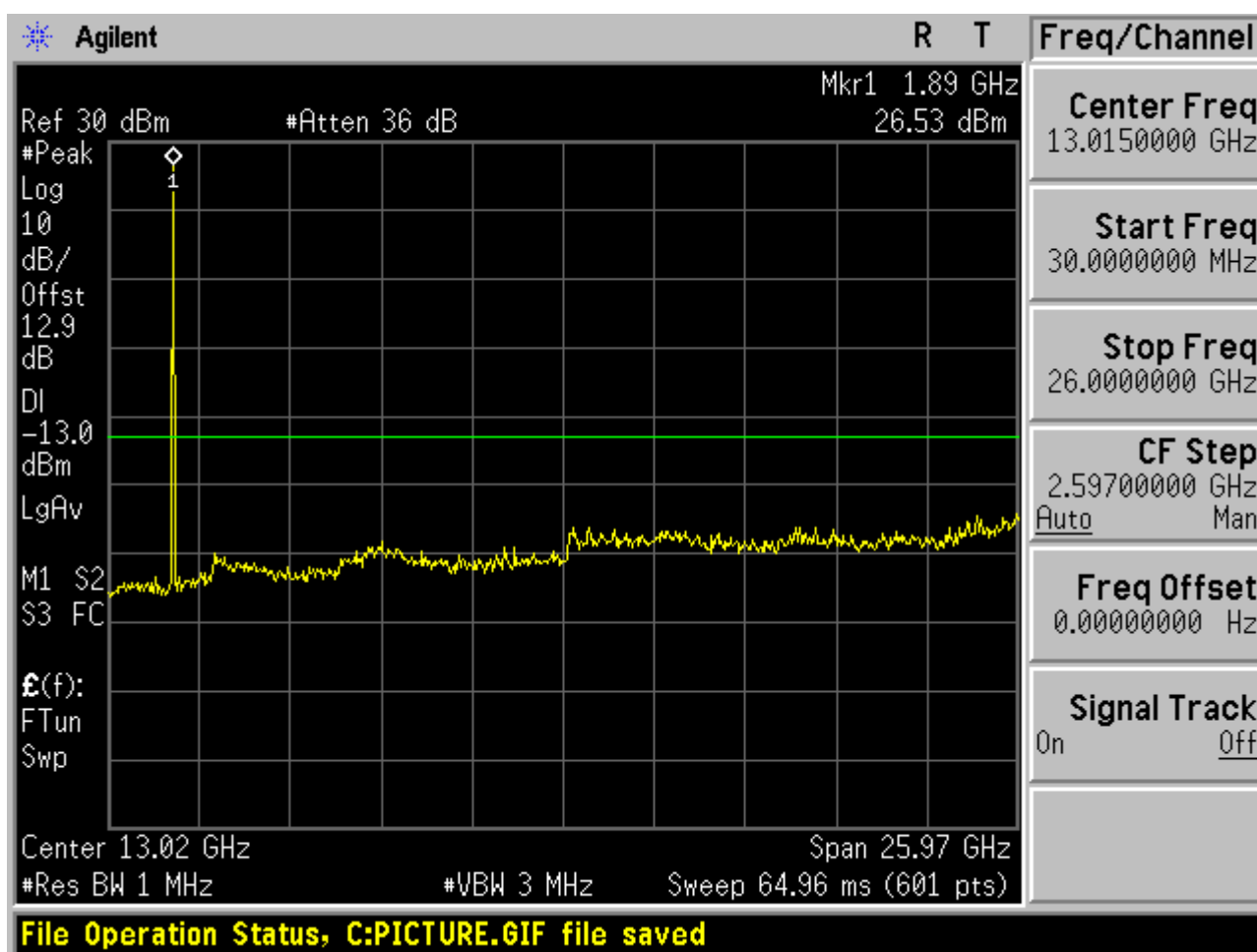


2.2.4.2 Channel = M

2.2.4.2.1 16QAM/1RBs /RB #0



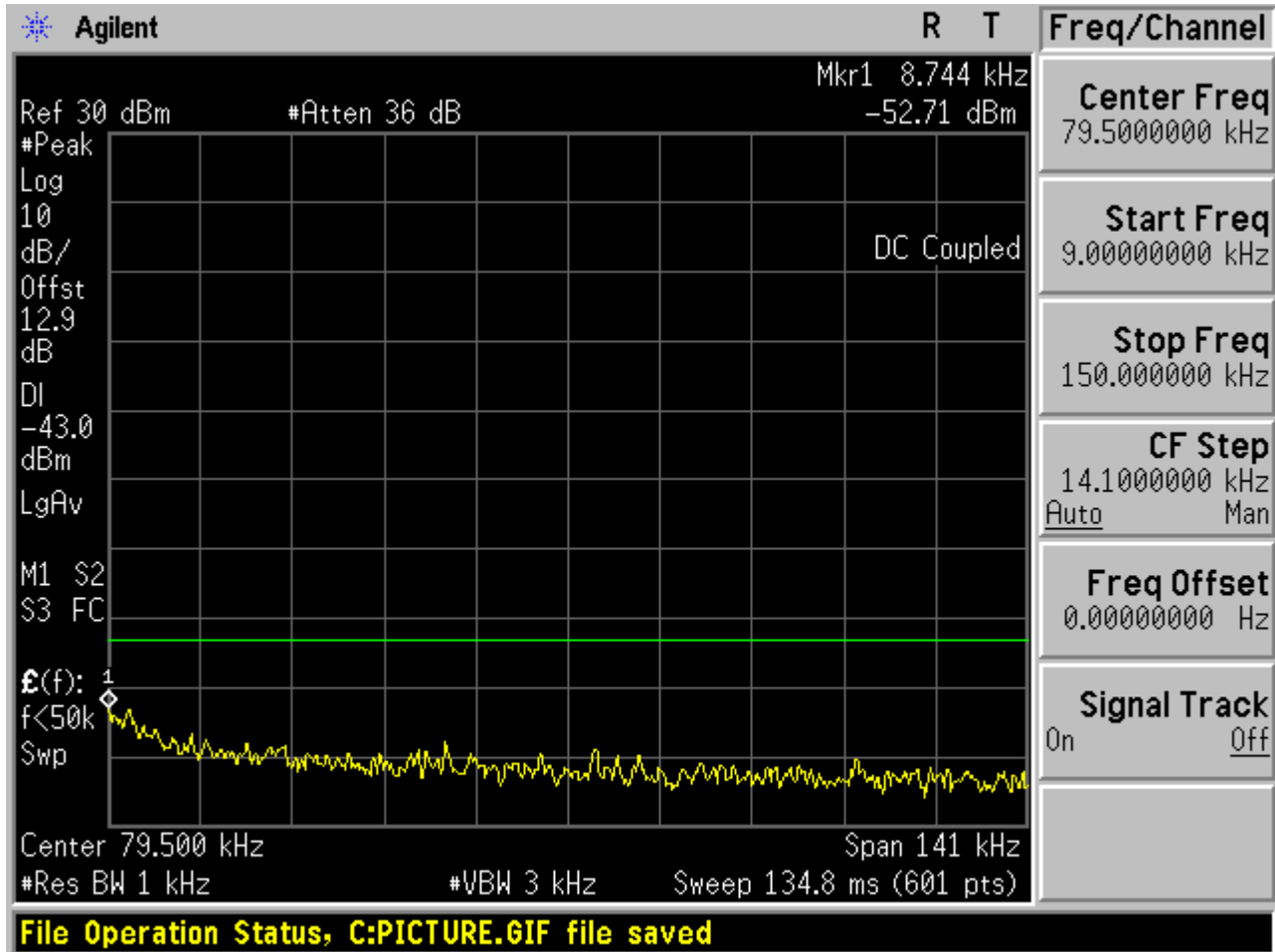


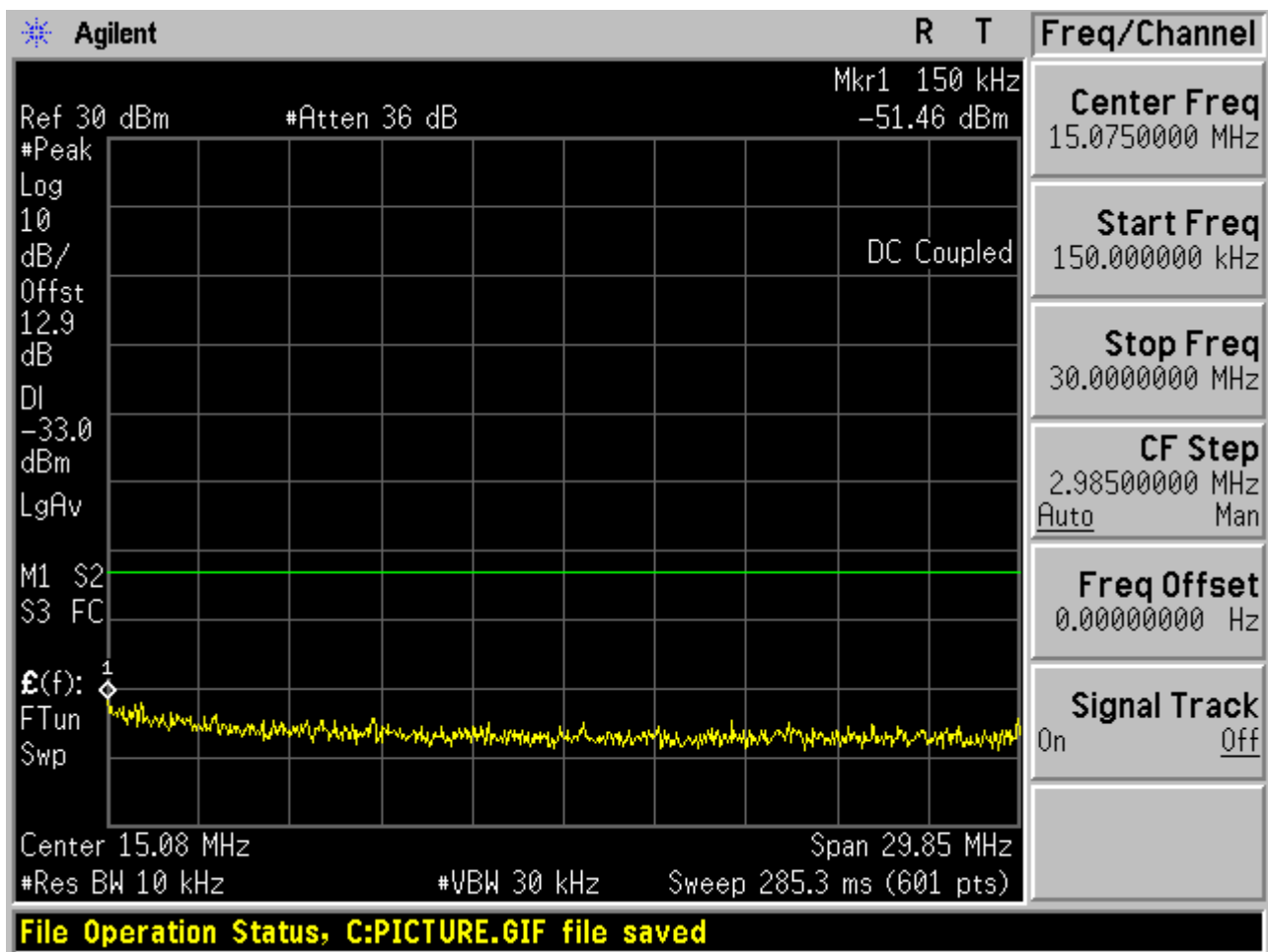


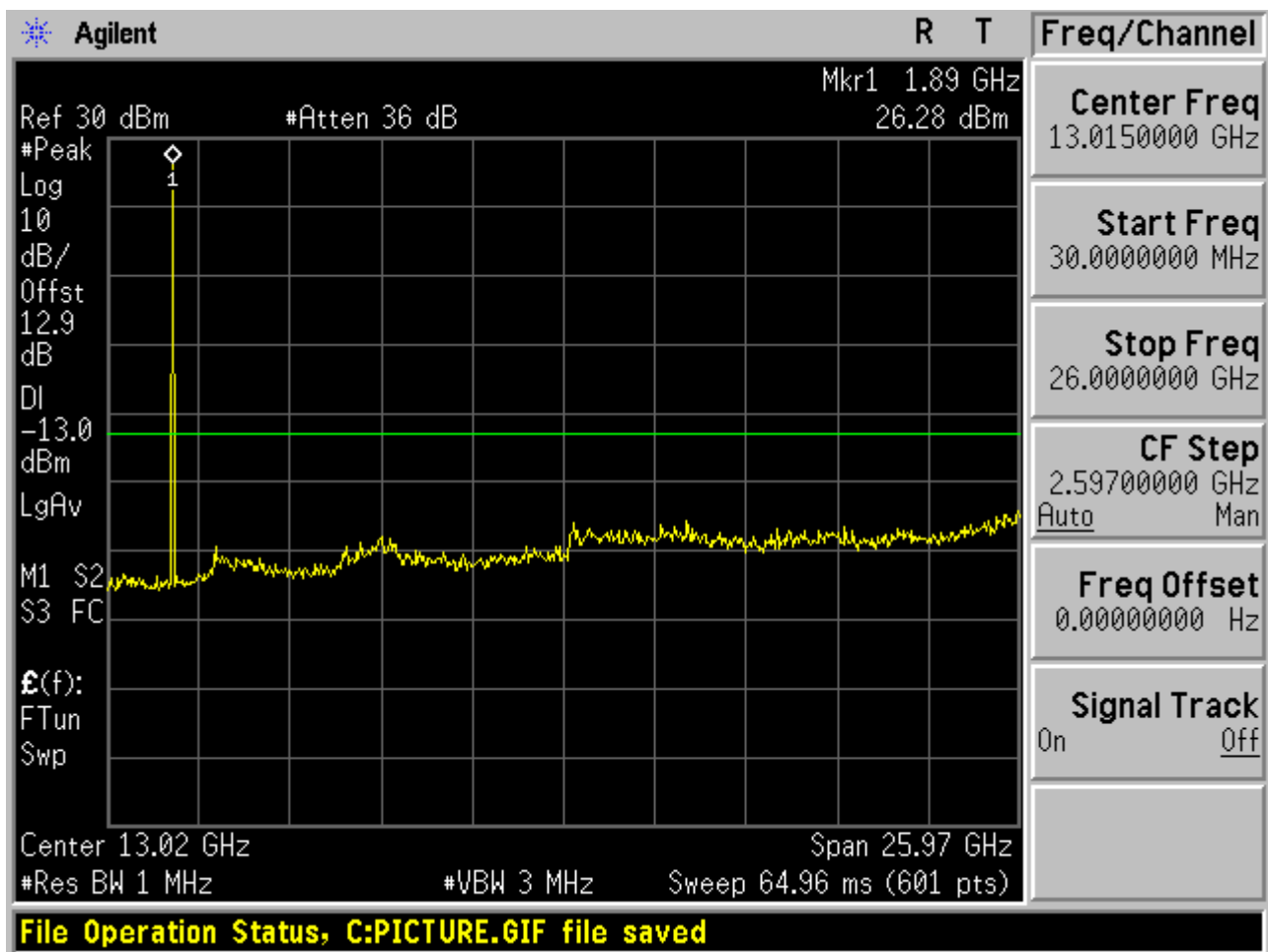


2.2.4.3 Channel = H

2.2.4.3.1 16QAM/1RBs /RB #0





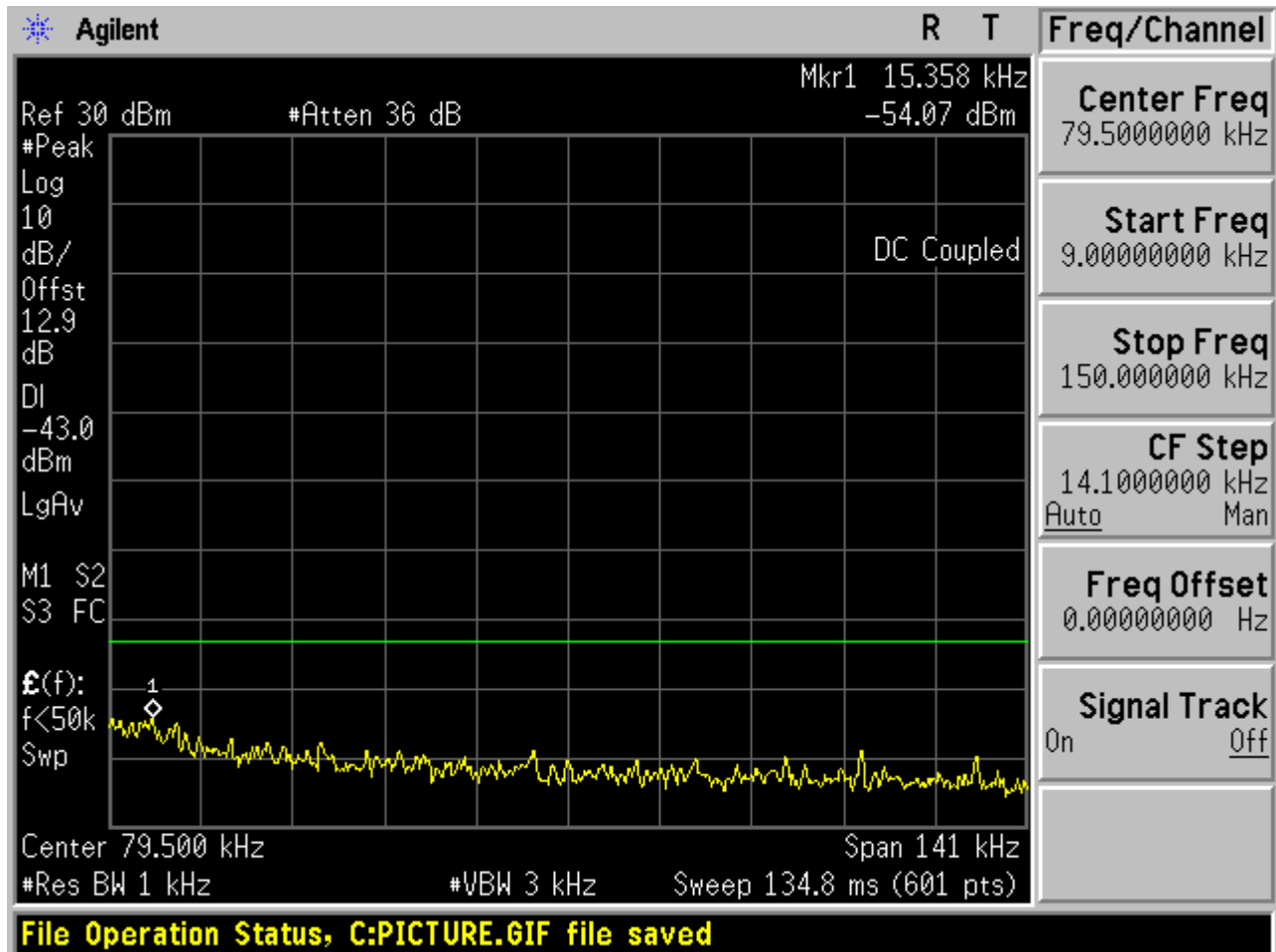


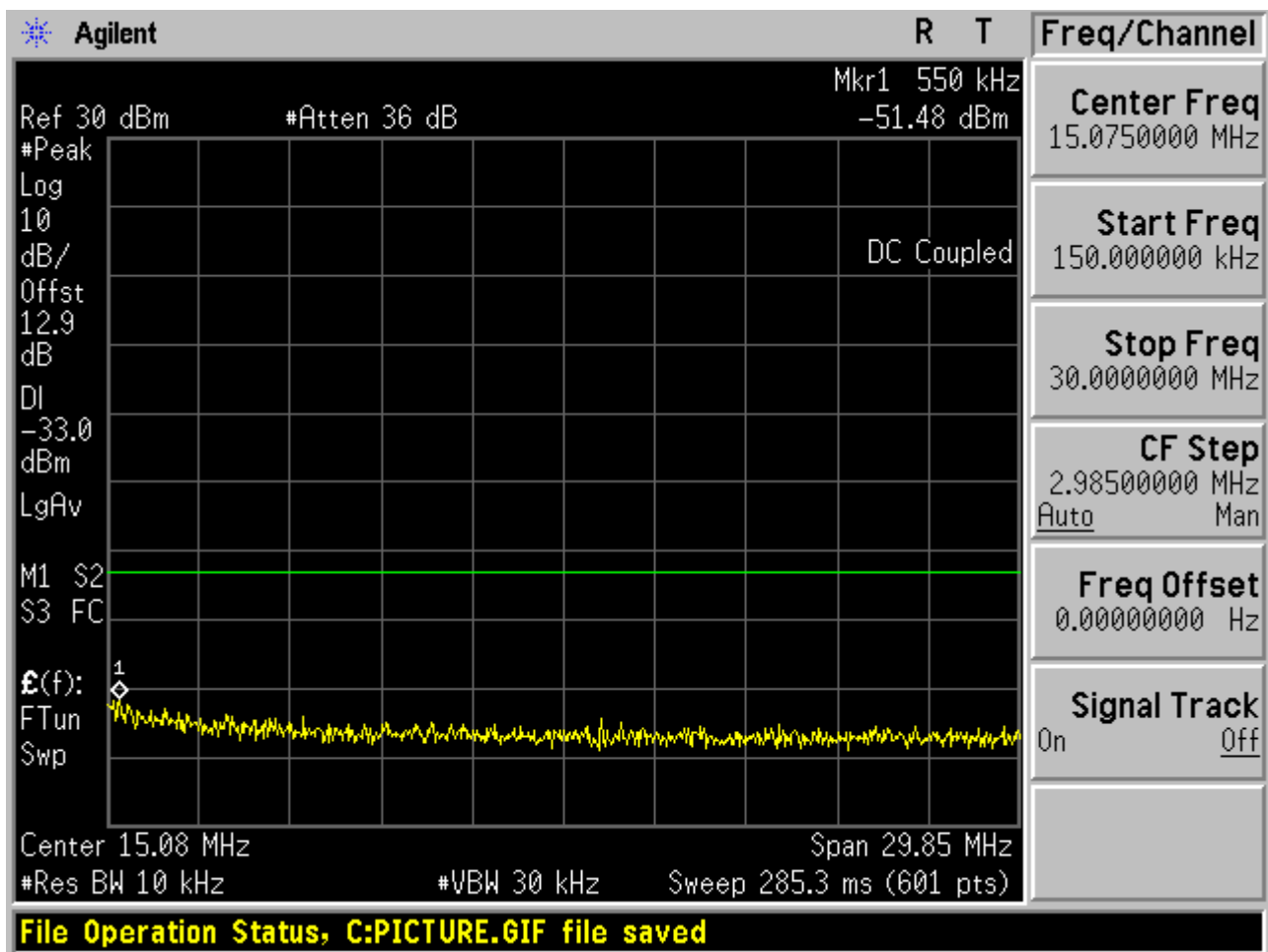


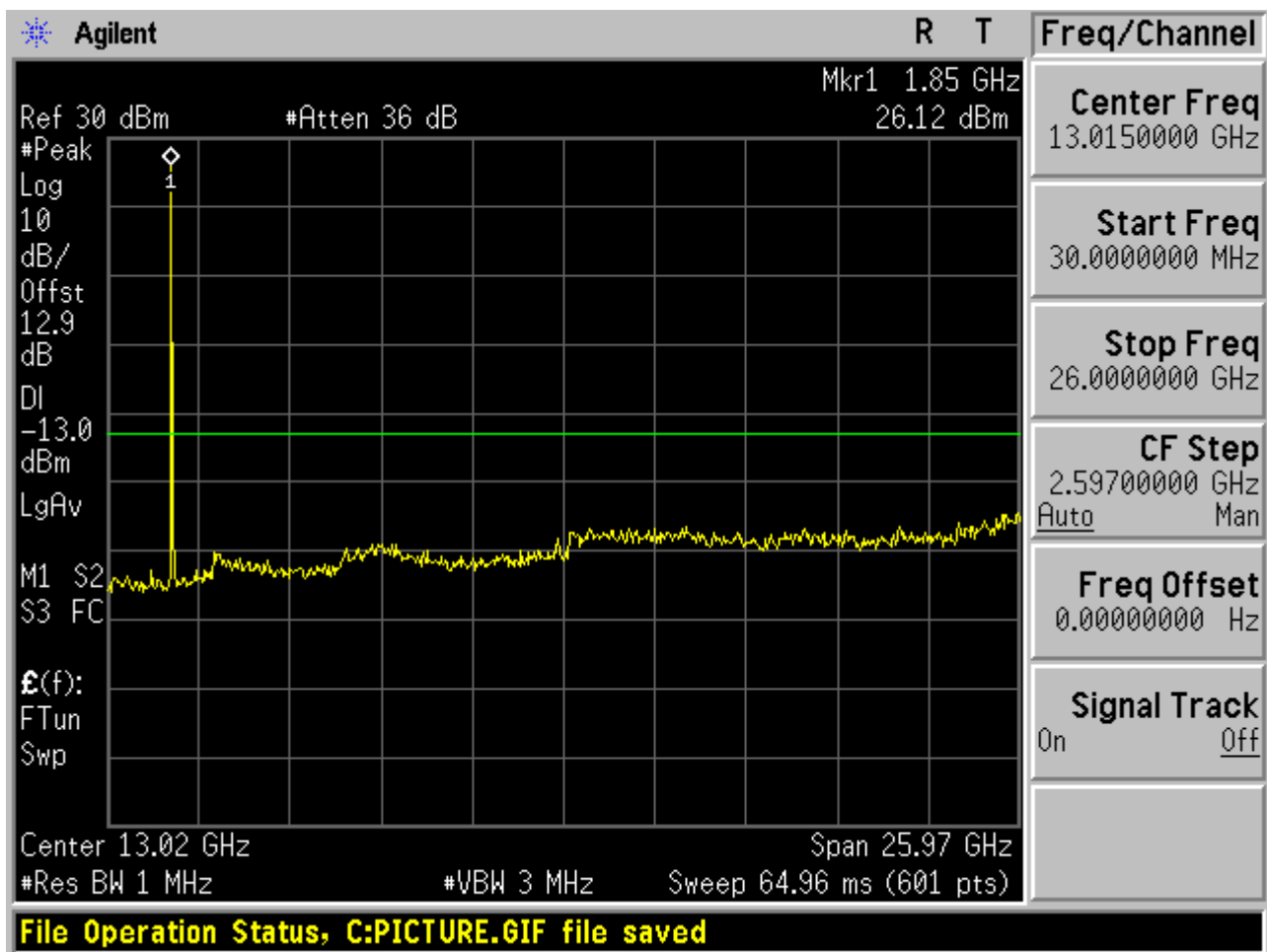
2.2.5 Channel Bandwidth = 15 MHz

2.2.5.1 Channel = L

2.2.5.1.1 16QAM/1RBs /RB #0



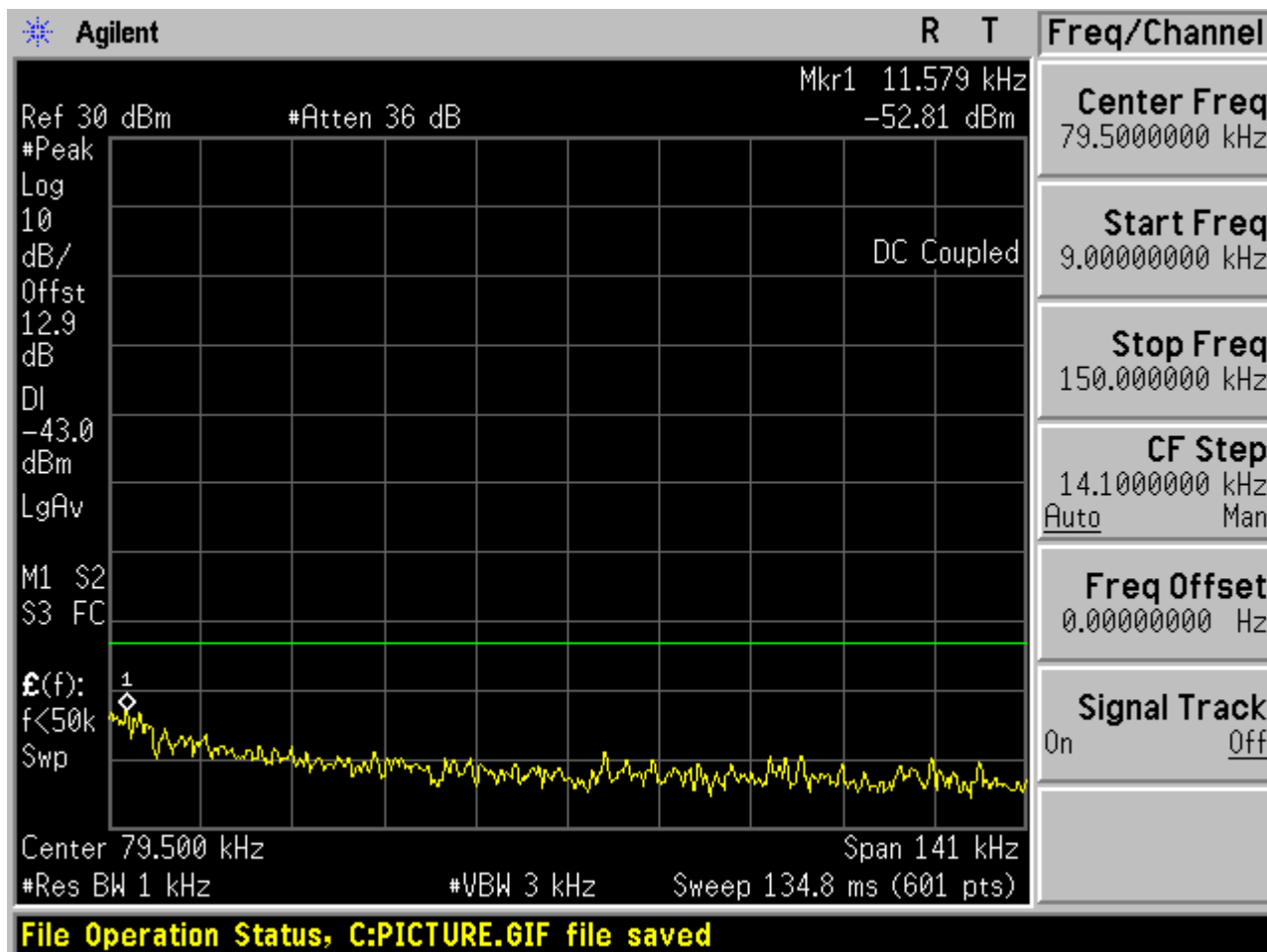


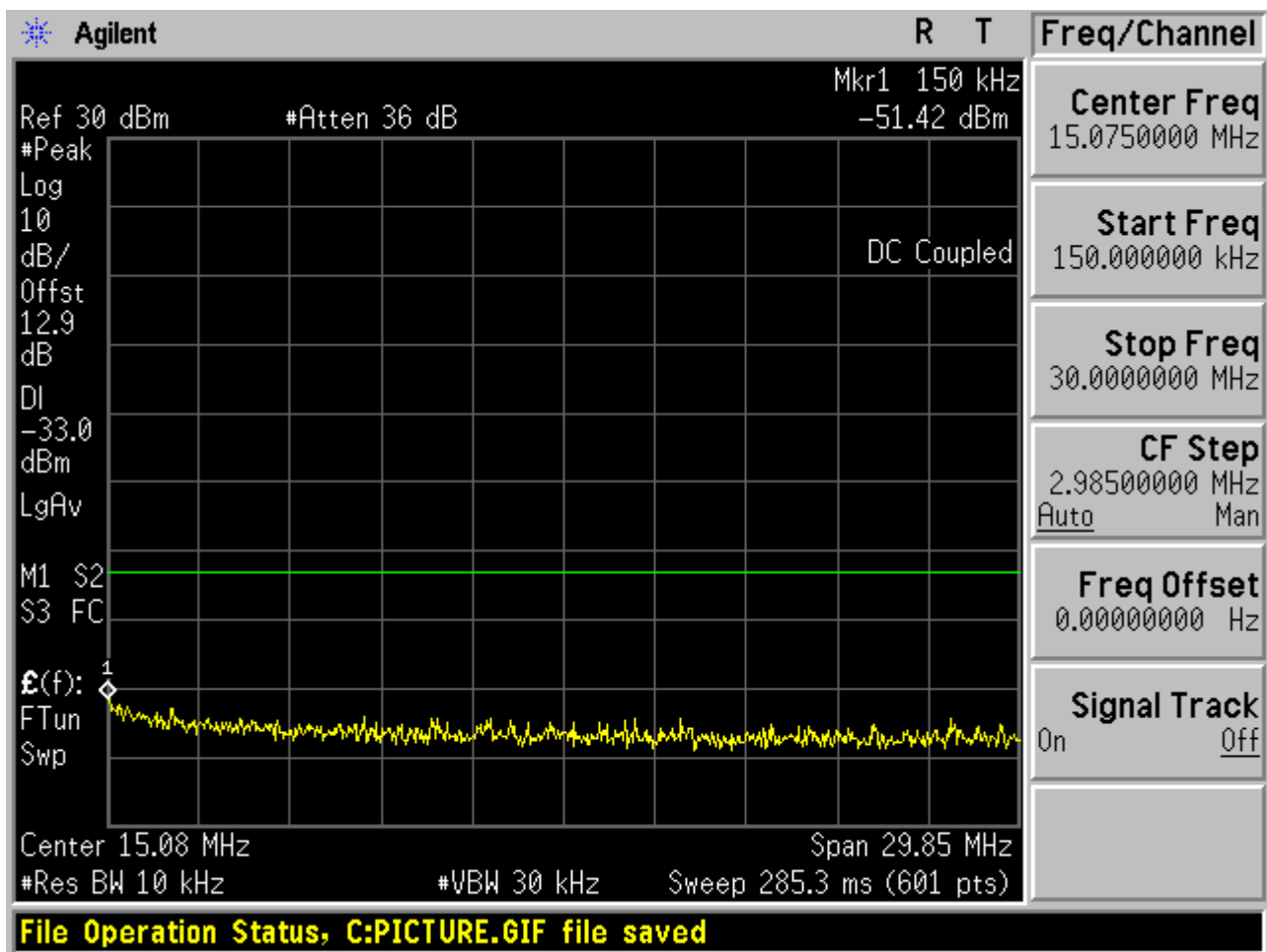


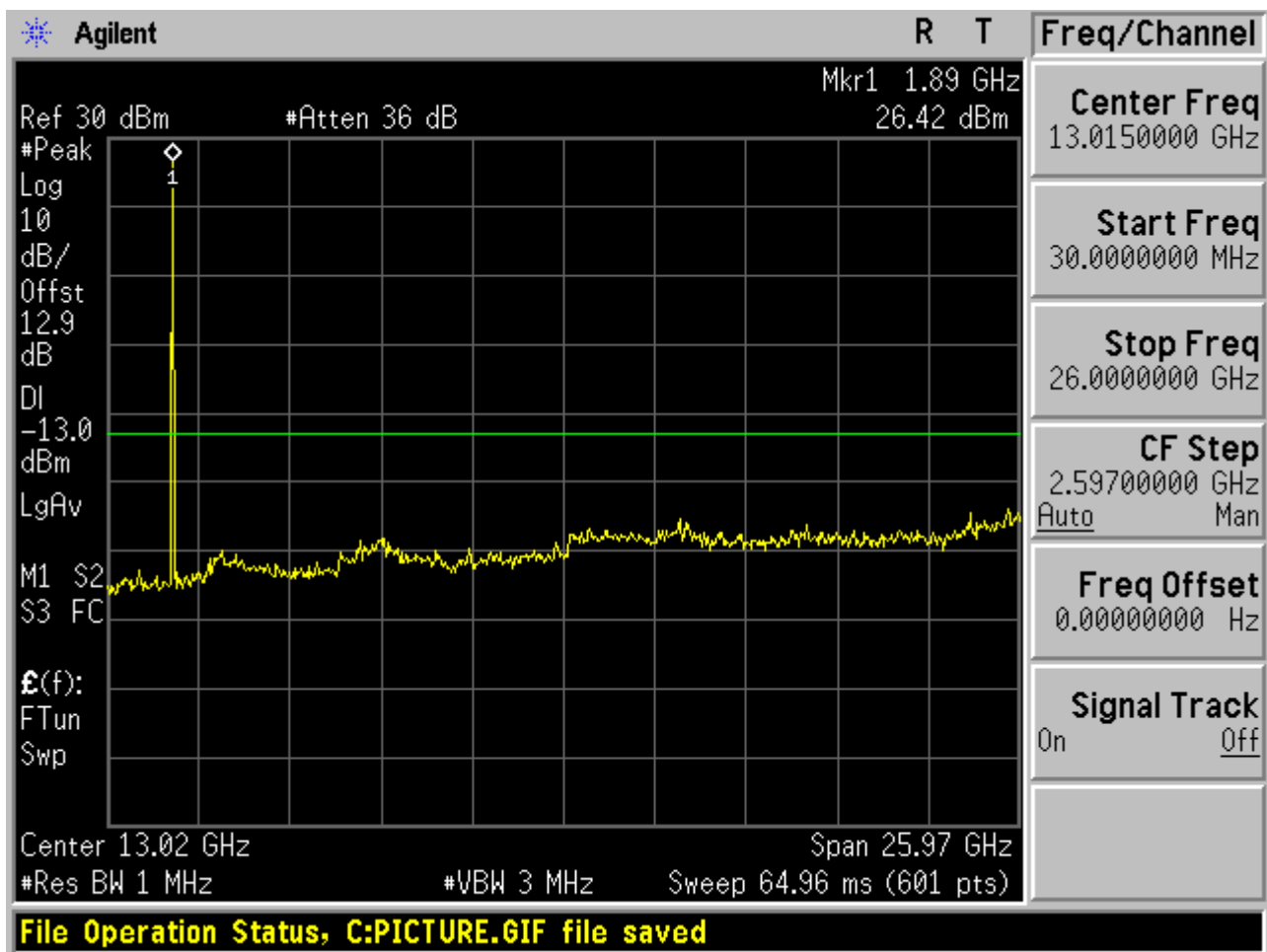


2.2.5.2 Channel = M

2.2.5.2.1 16QAM/1RBs /RB #0



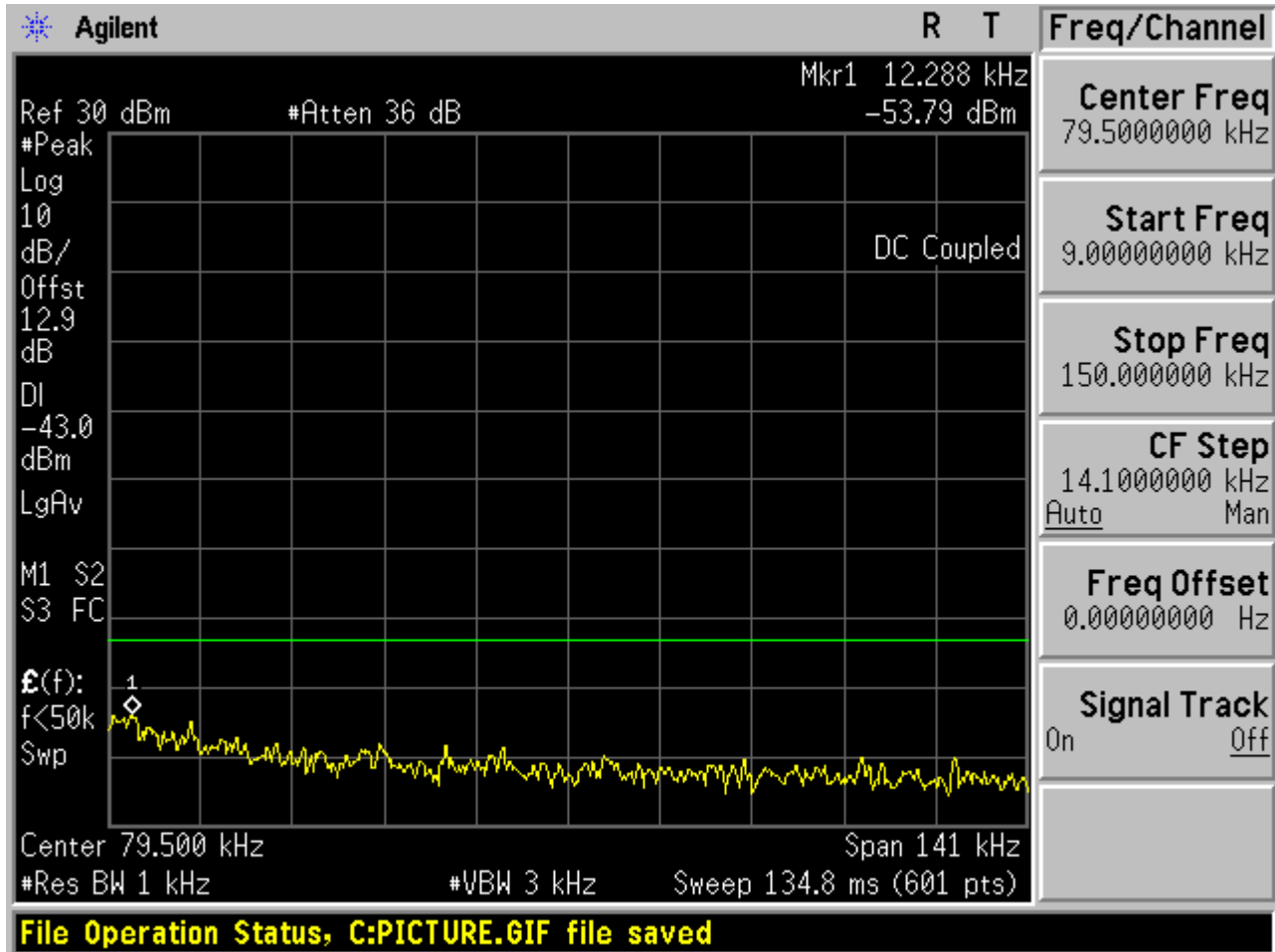


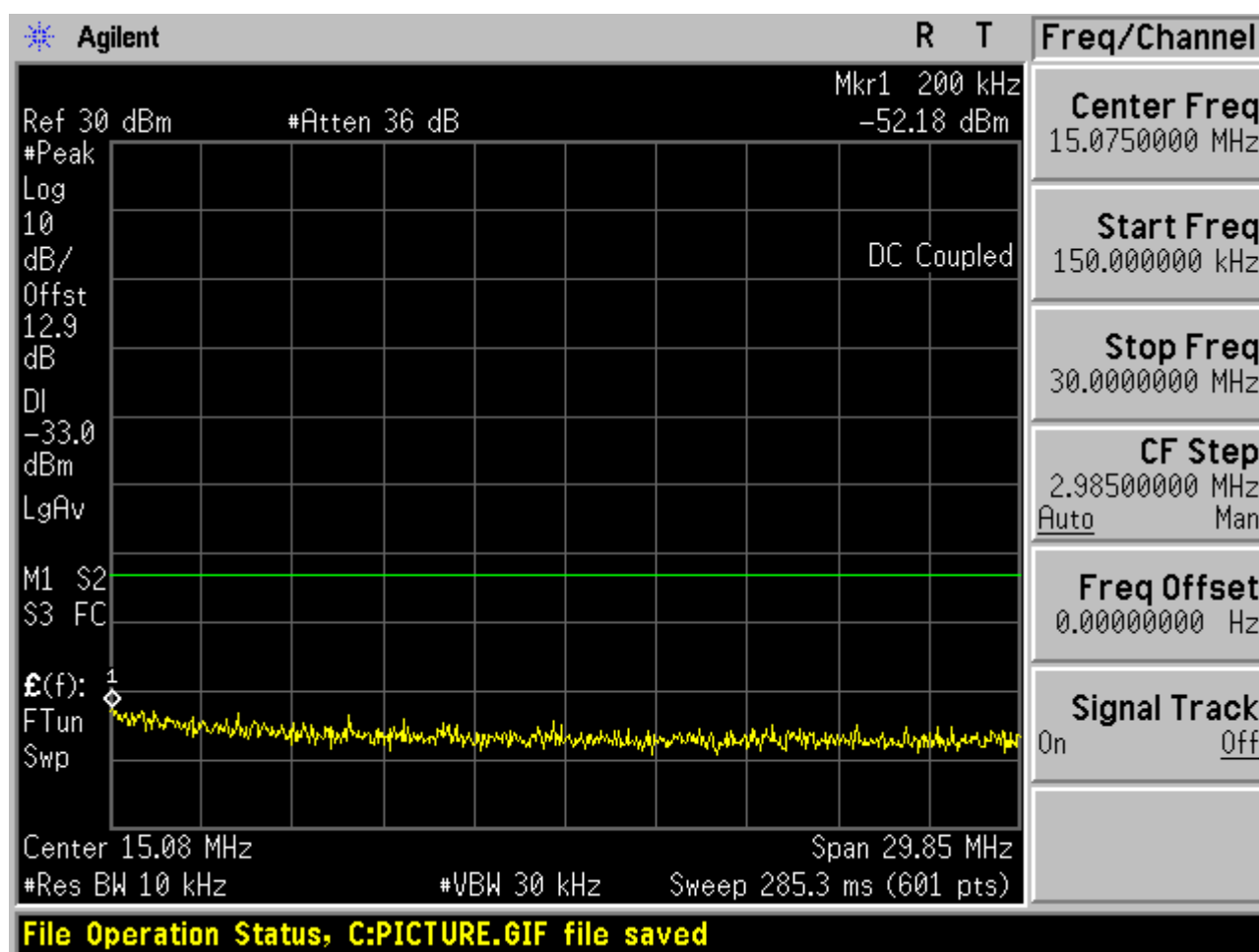


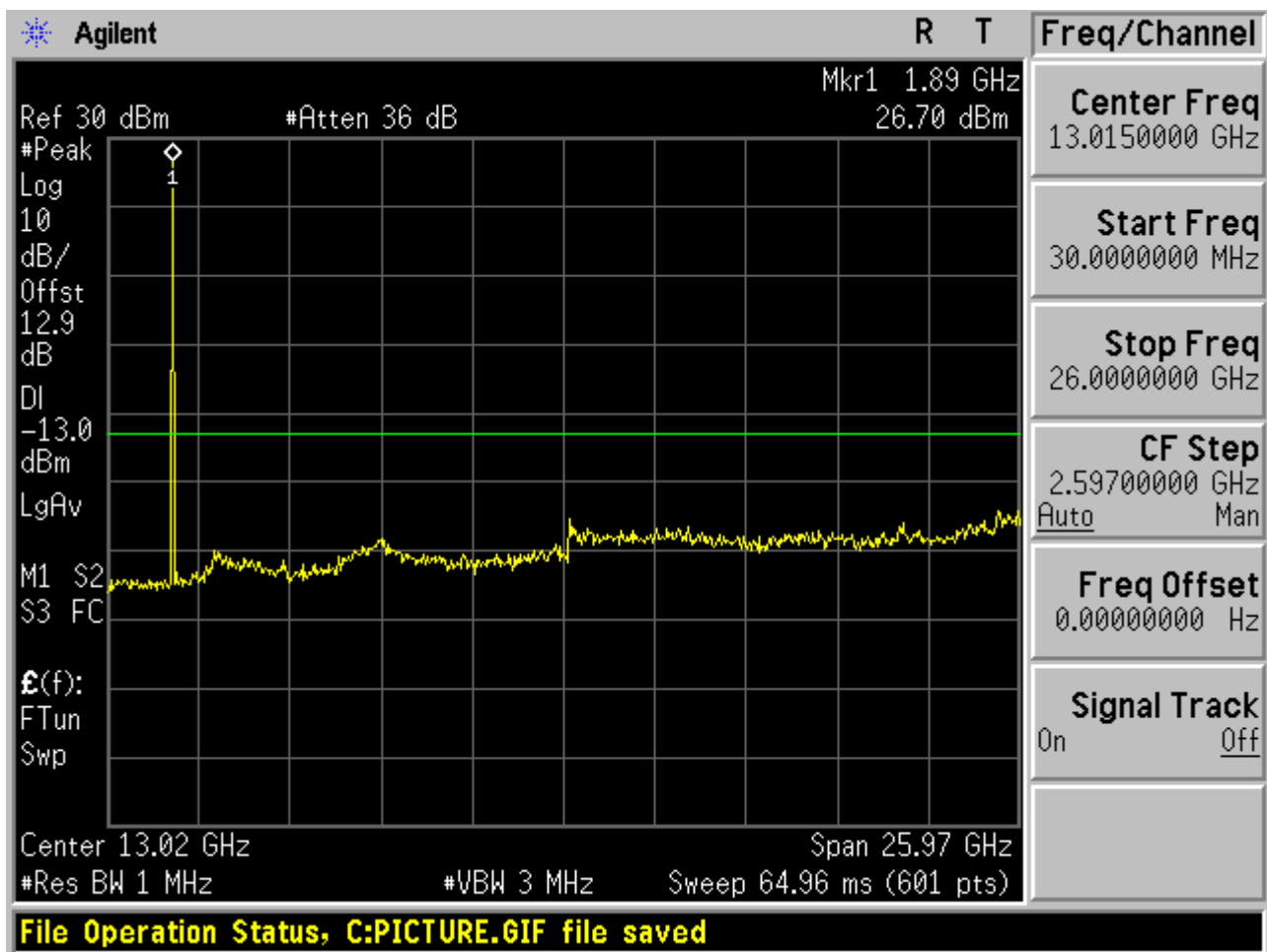


2.2.5.3 Channel = H

2.2.5.3.1 16QAM/1RBs /RB #0





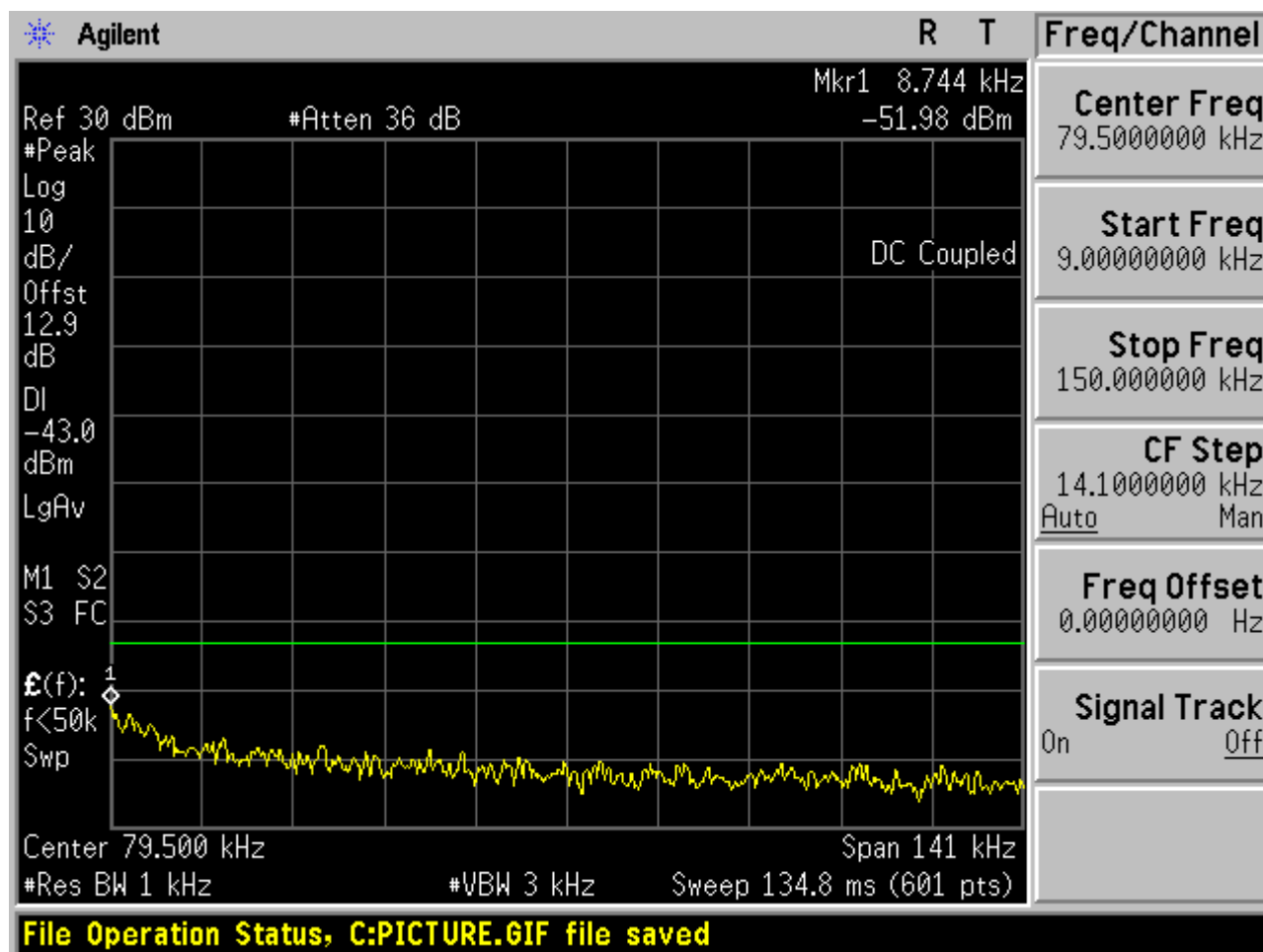


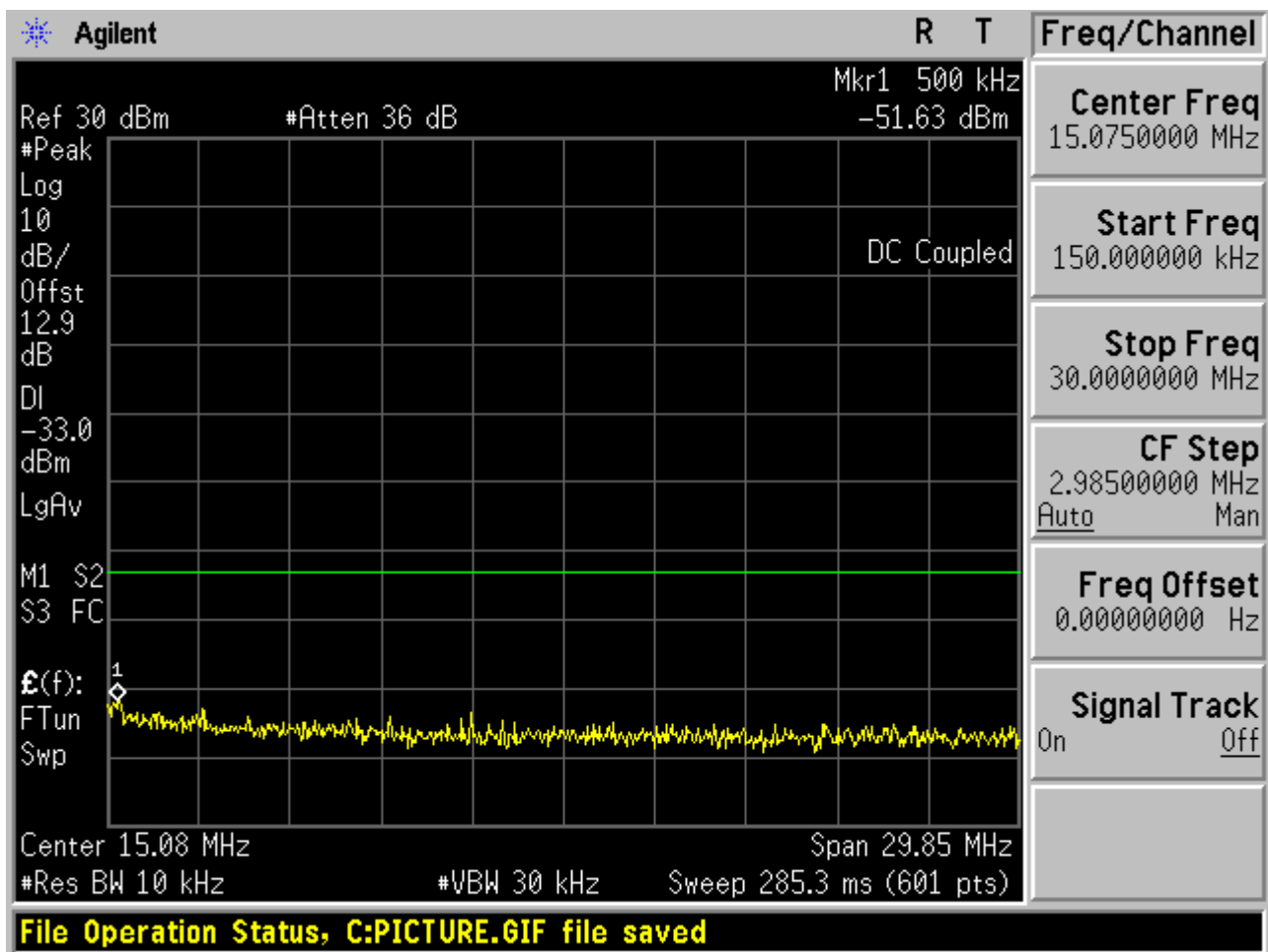


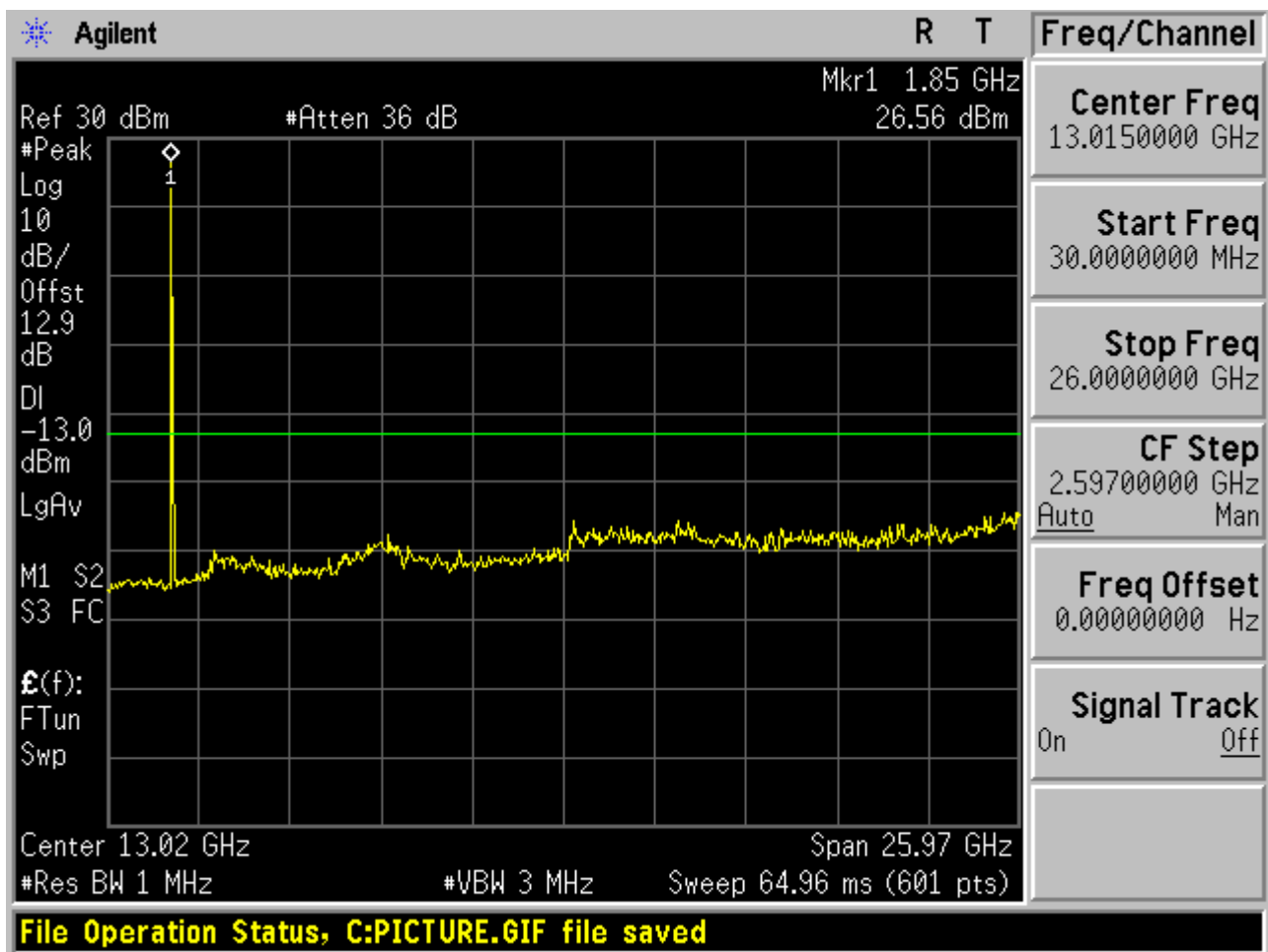
2.2.6 Channel Bandwidth = 20 MHz

2.2.6.1 Channel = L

2.2.6.1.1 16QAM/1RBs /RB #0



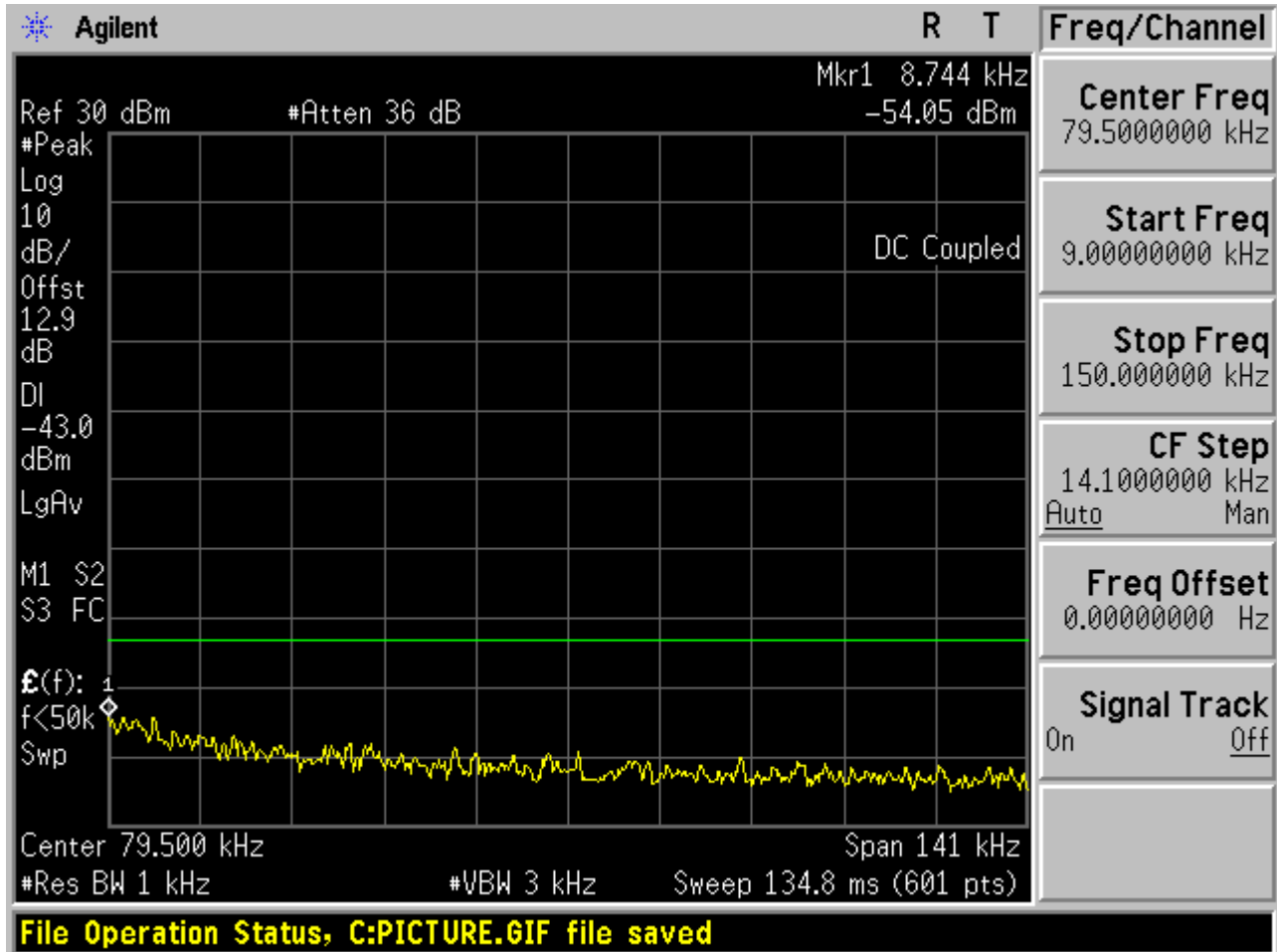


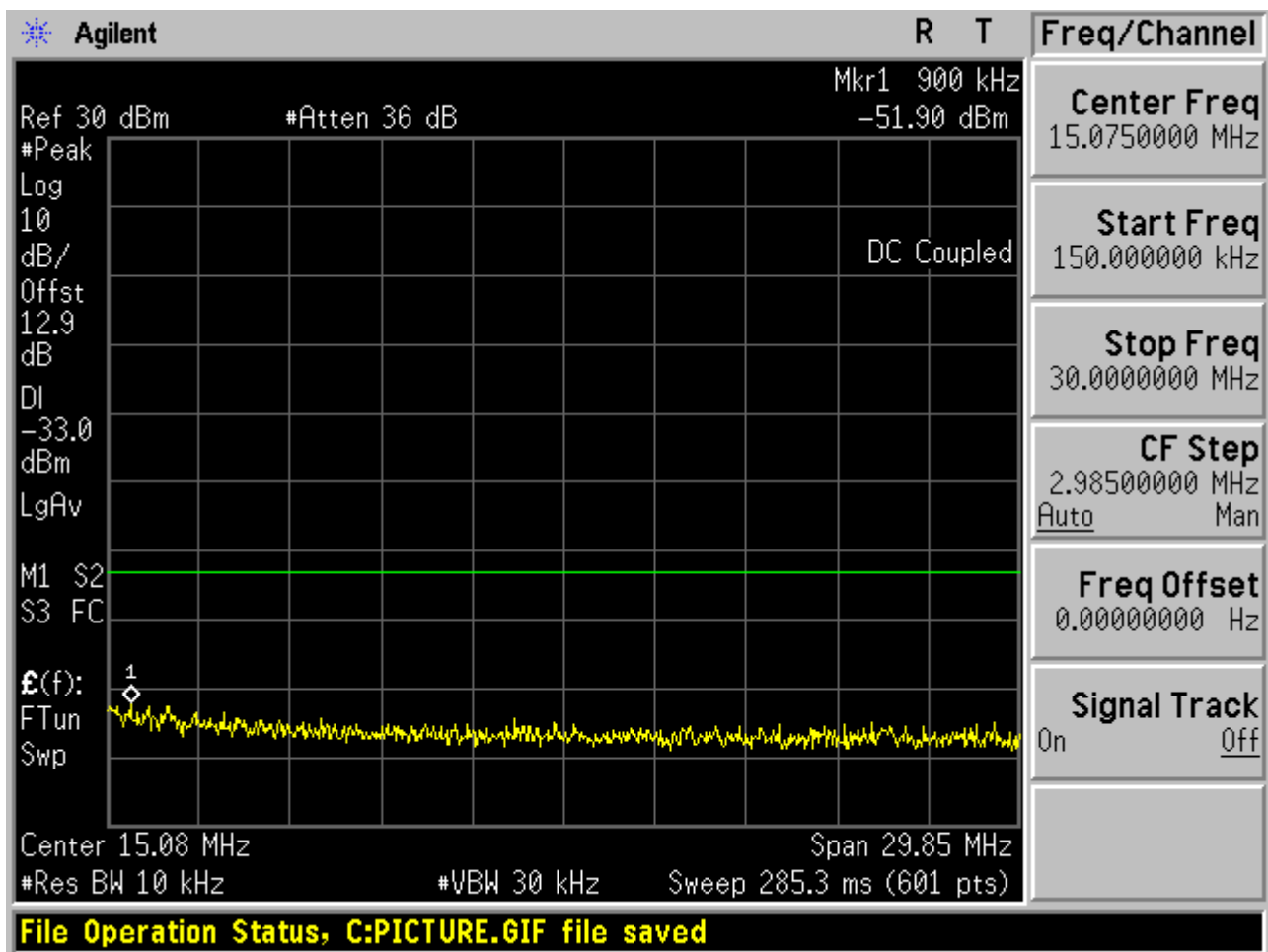


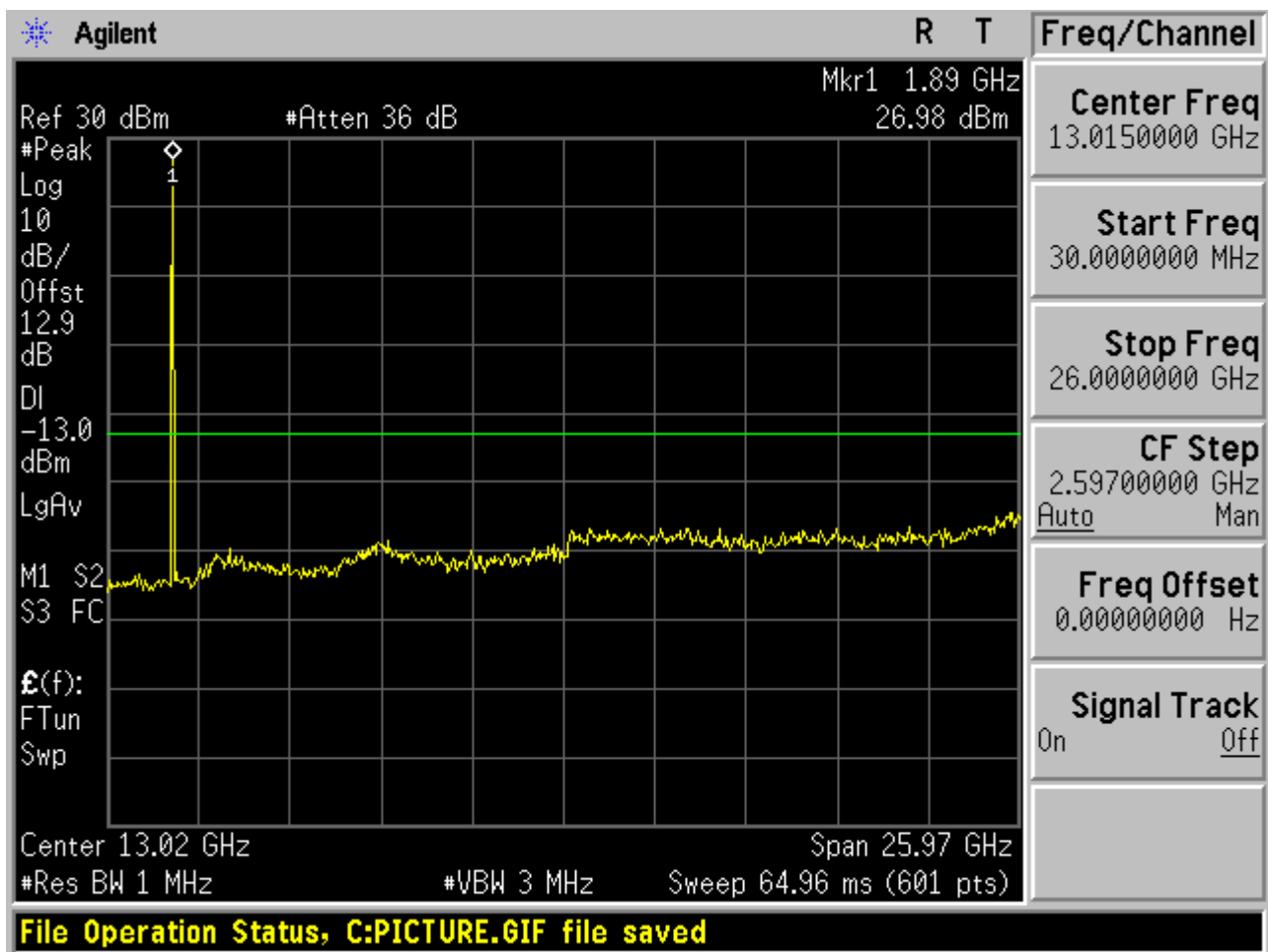


2.2.6.2 Channel = M

2.2.6.2.1 16QAM/1RBs /RB #0



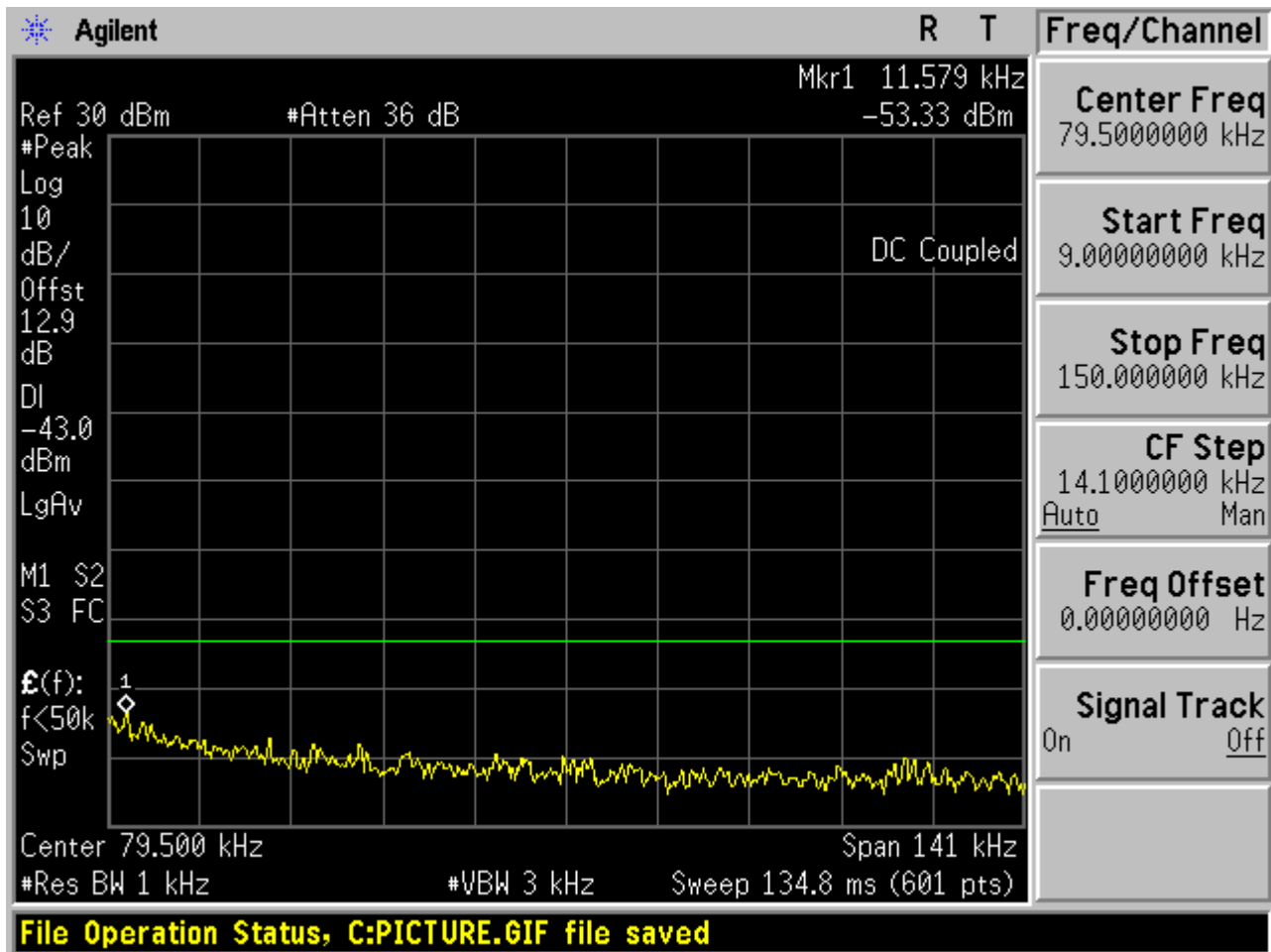


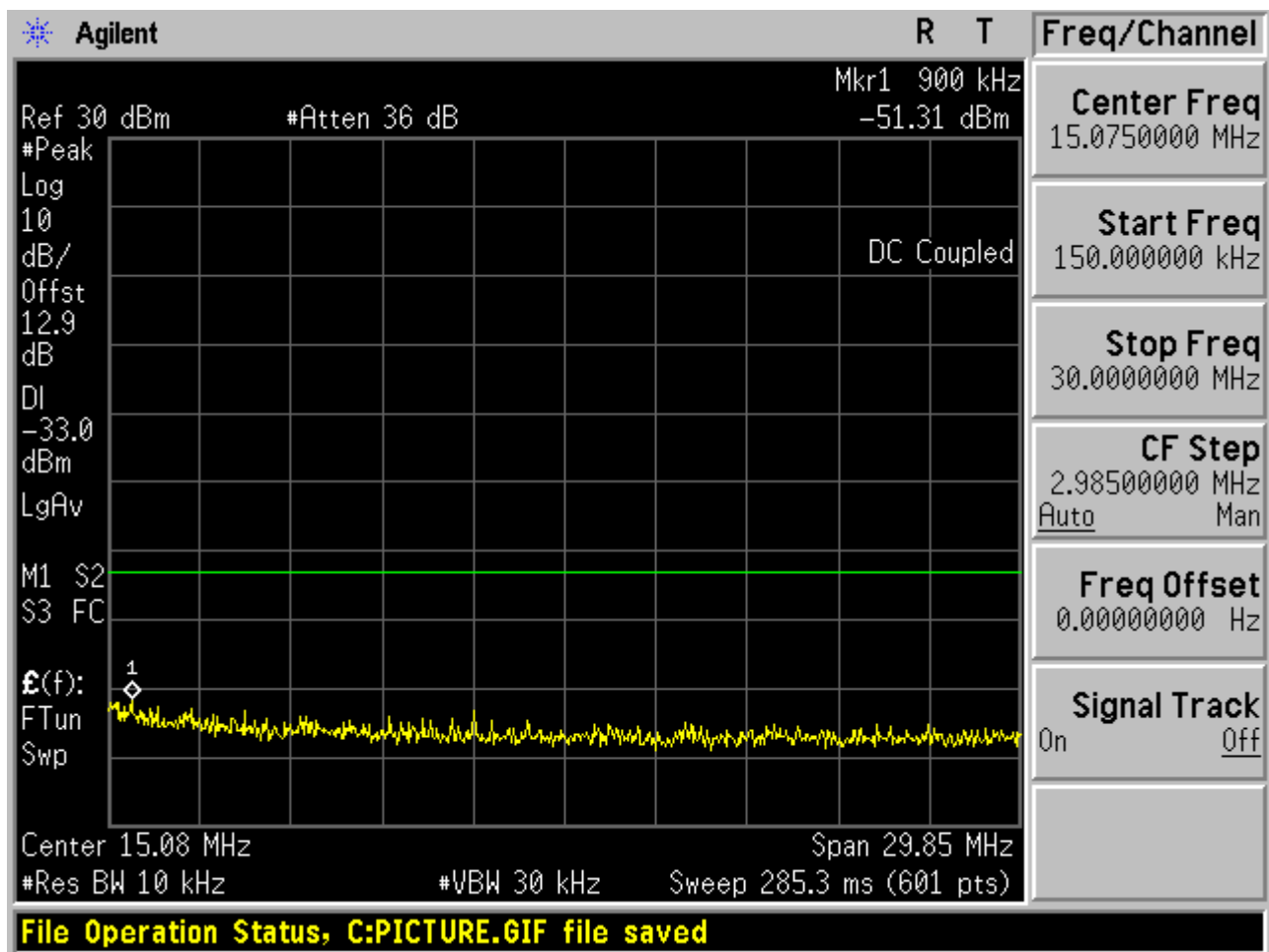


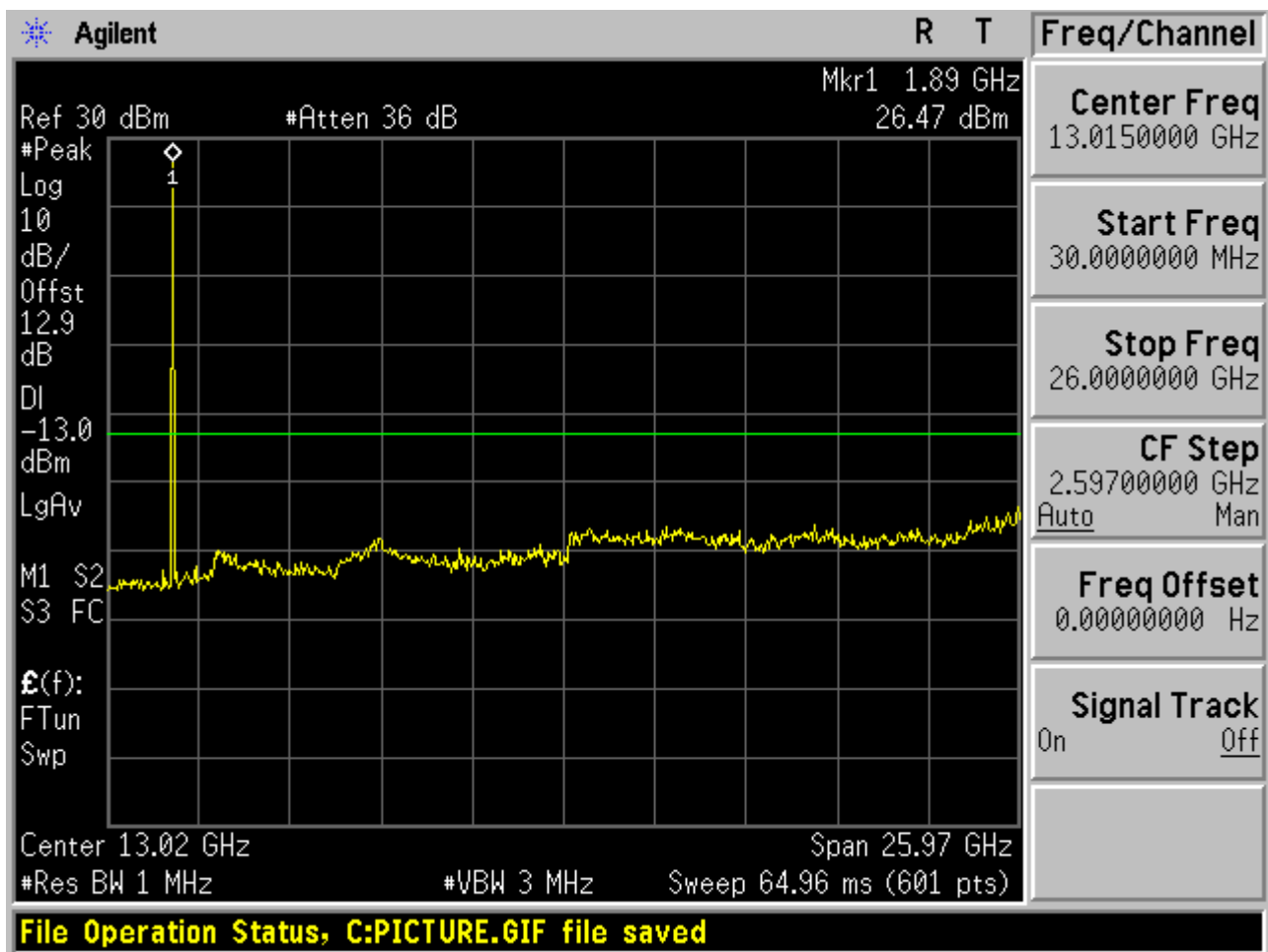


2.2.6.3 Channel = H

2.2.6.3.1 16QAM/1RBs /RB #0







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