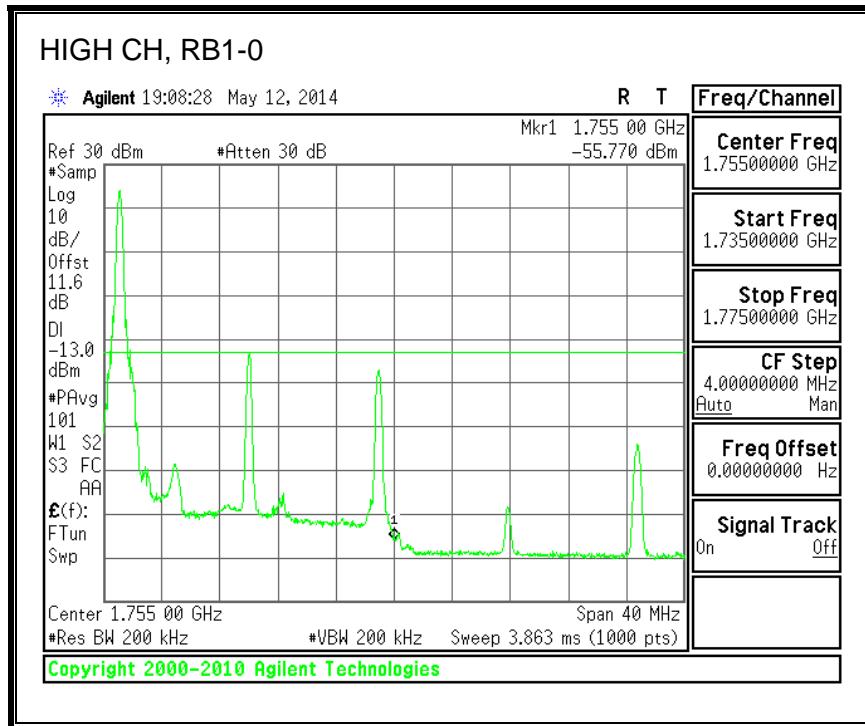
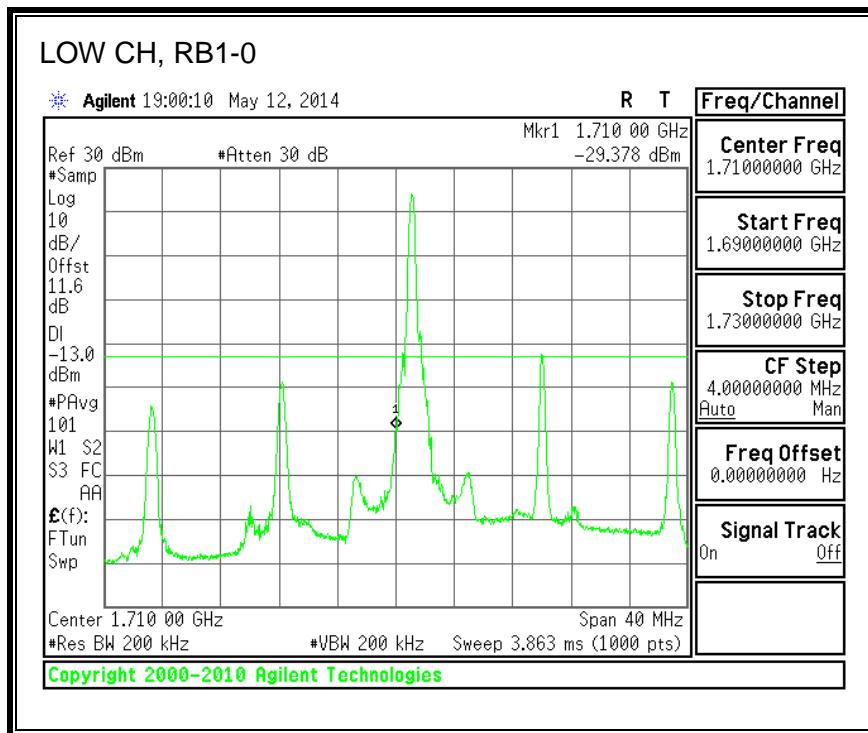
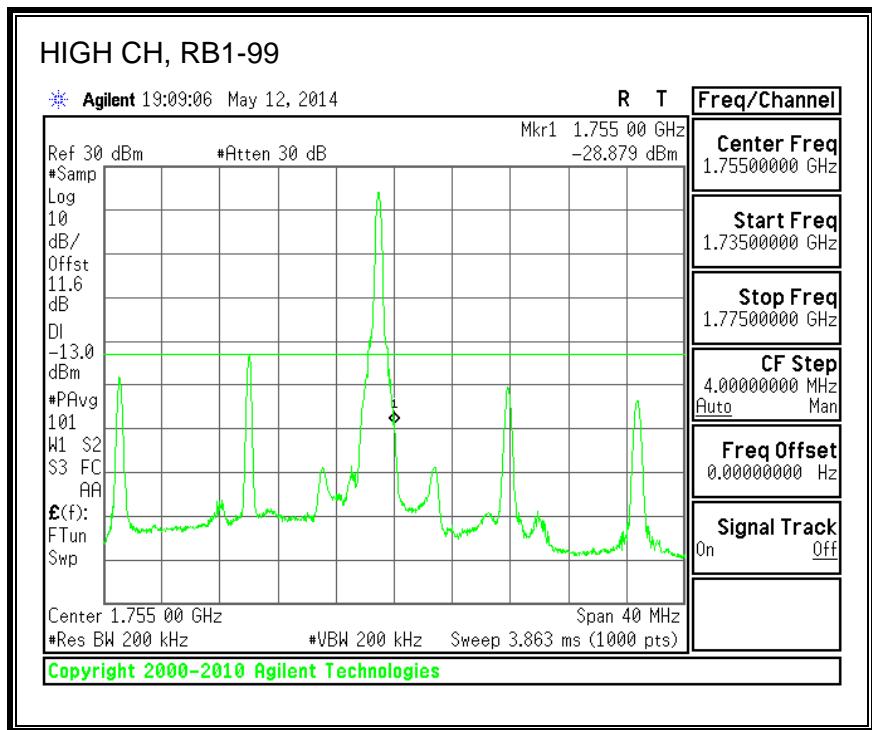
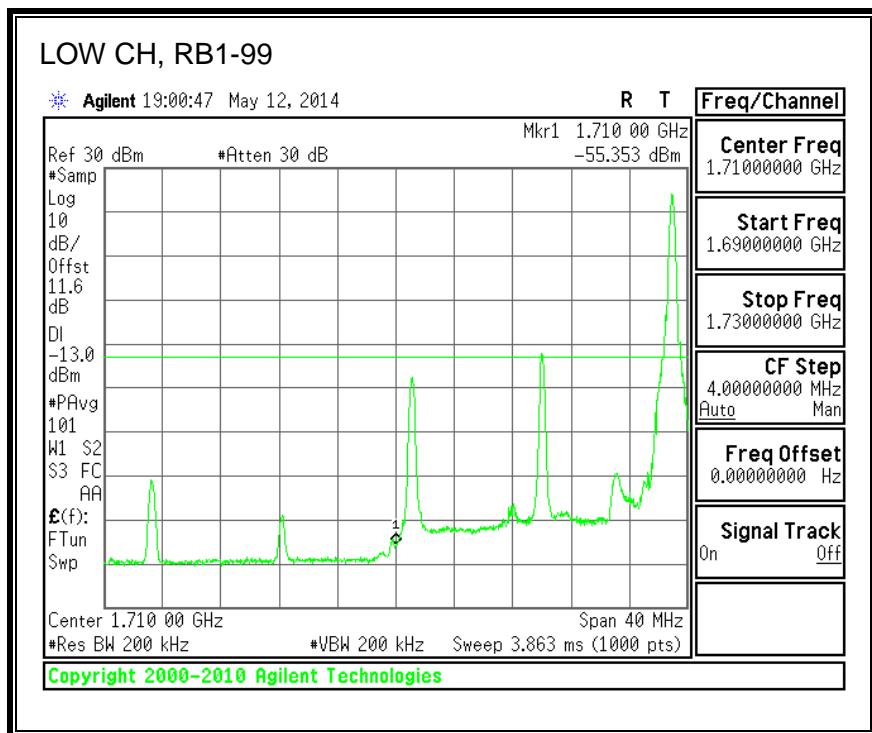
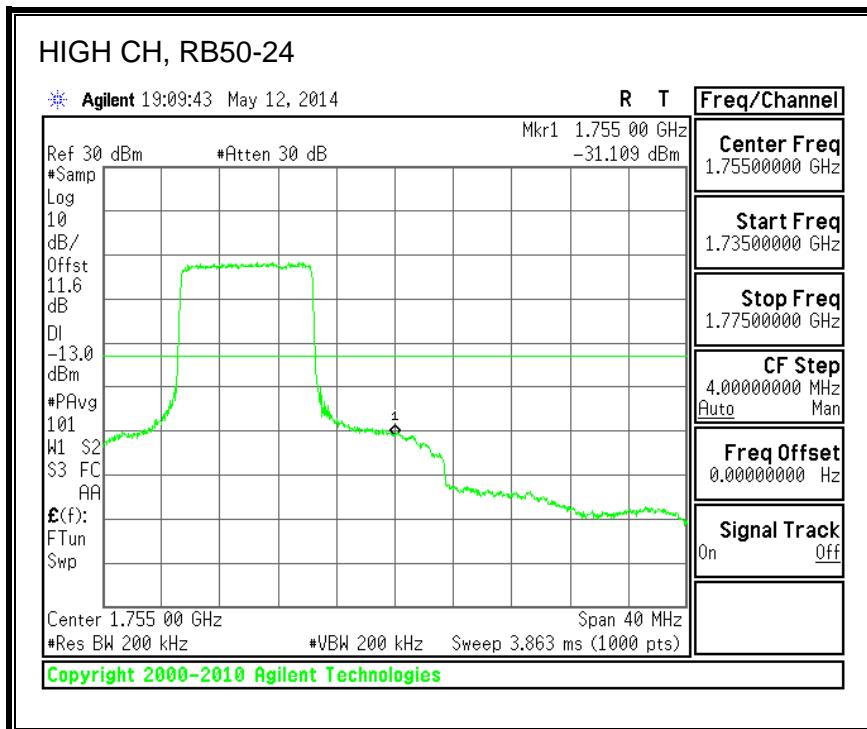
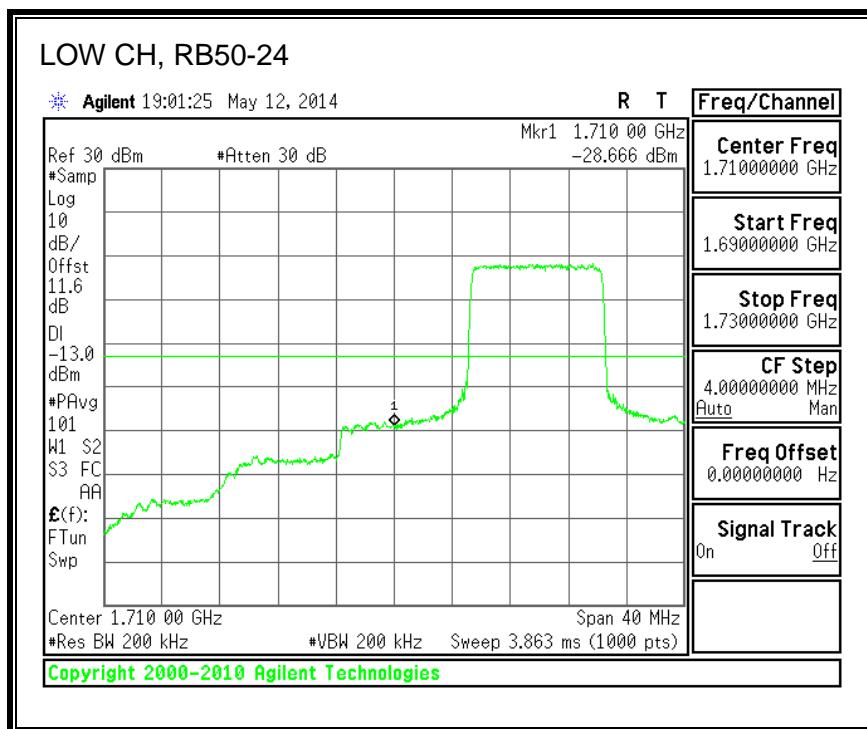
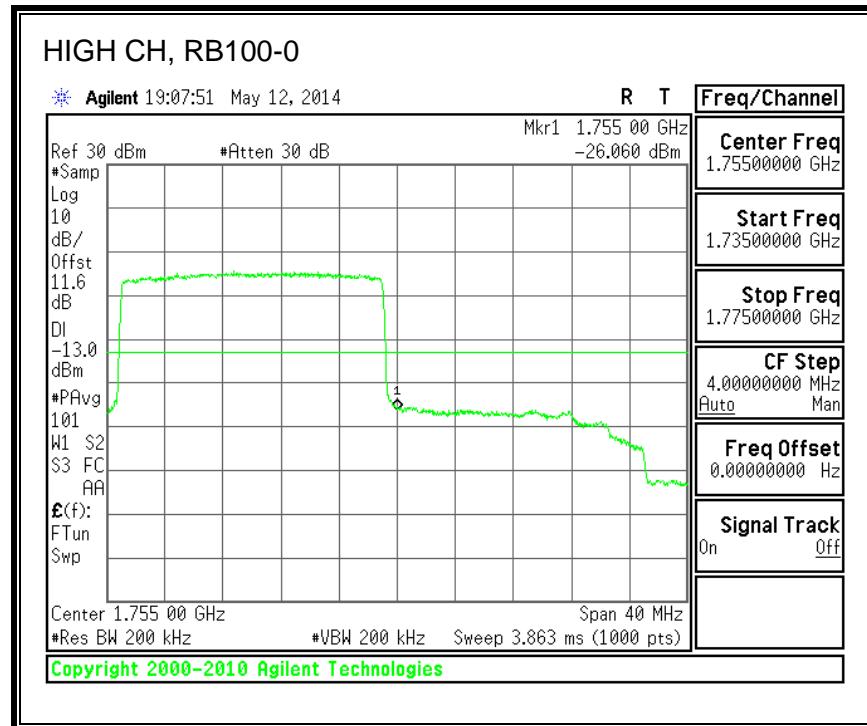
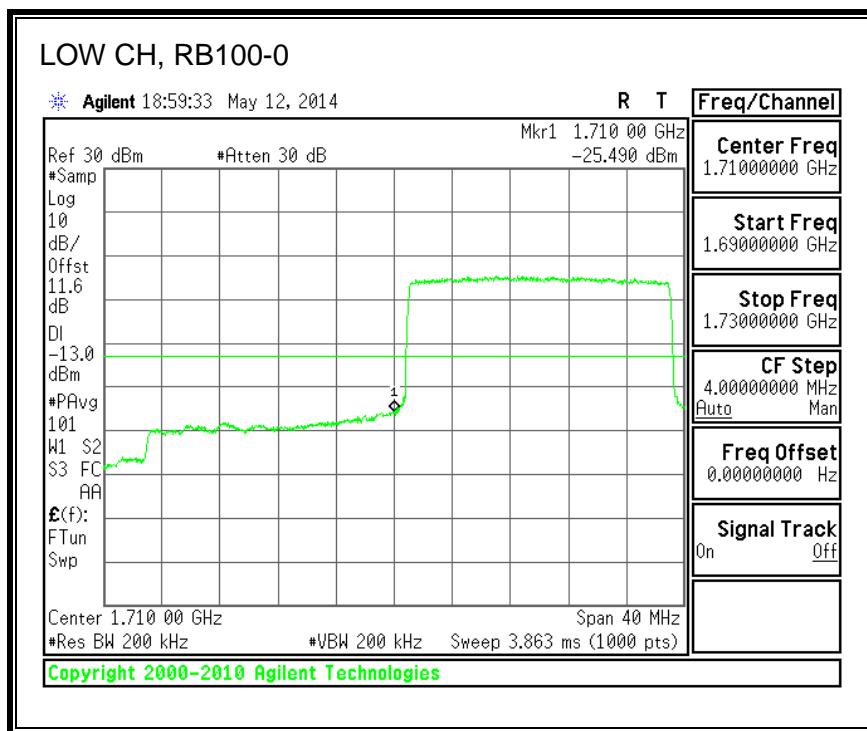


**QPSK, (20.0 MHz BAND WIDTH)**

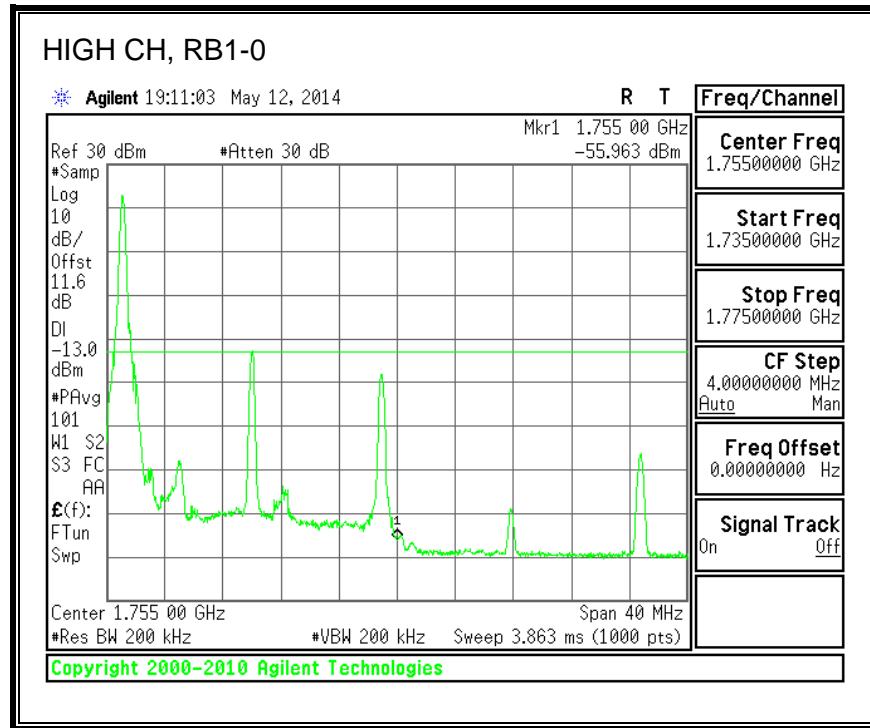
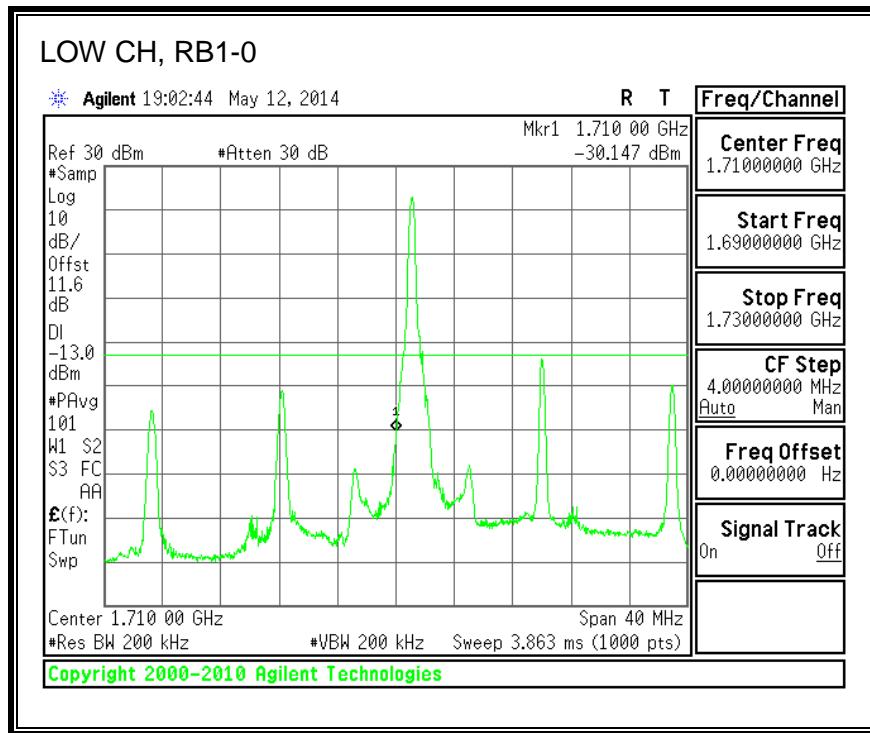


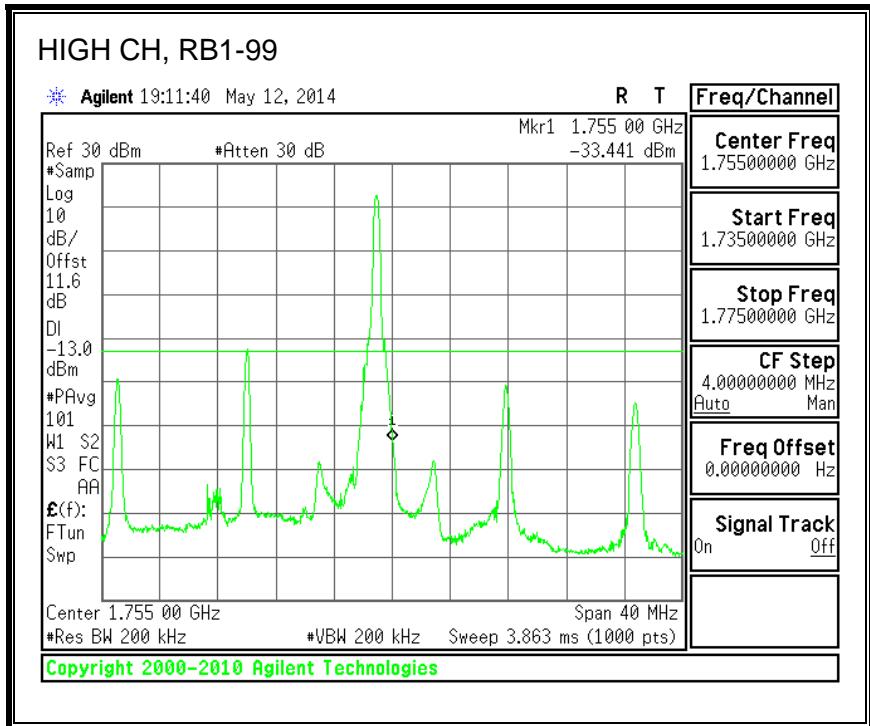
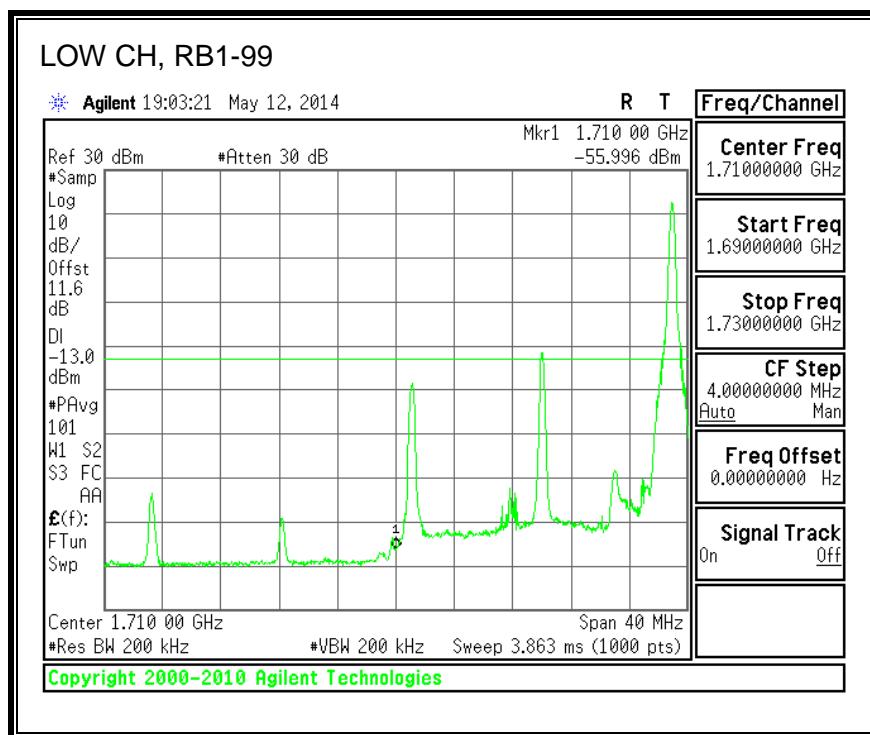


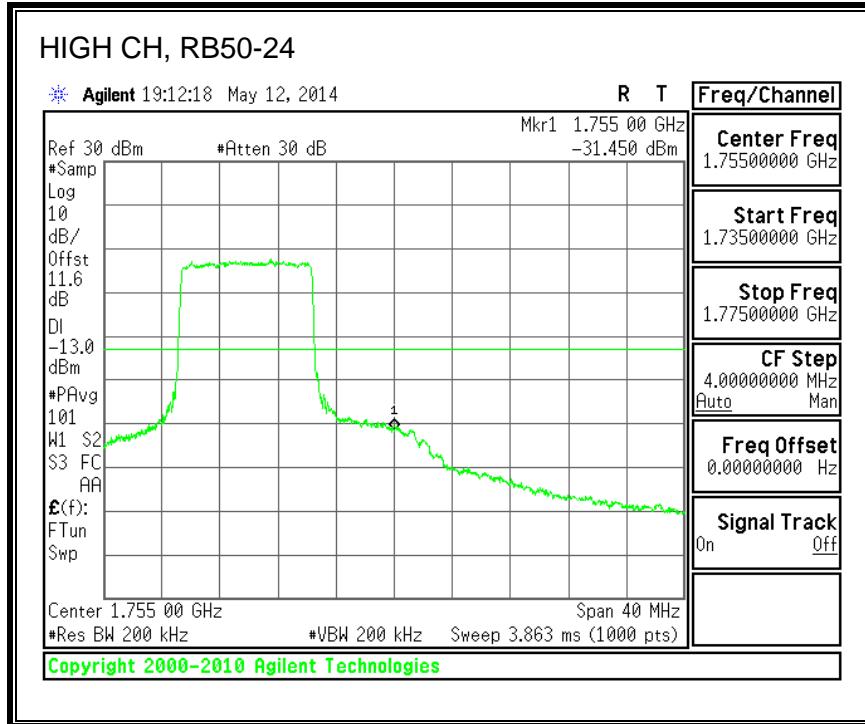
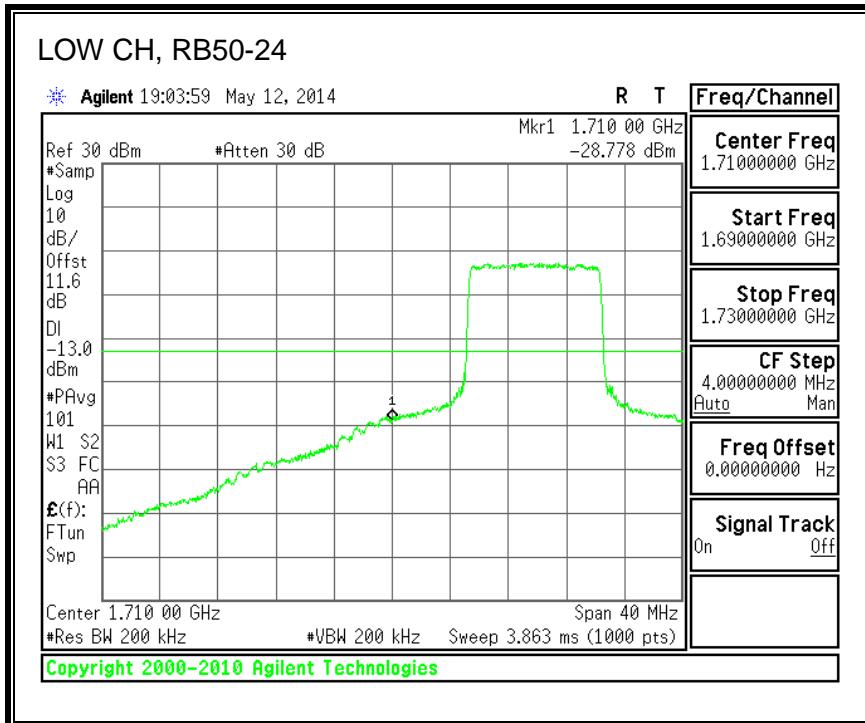


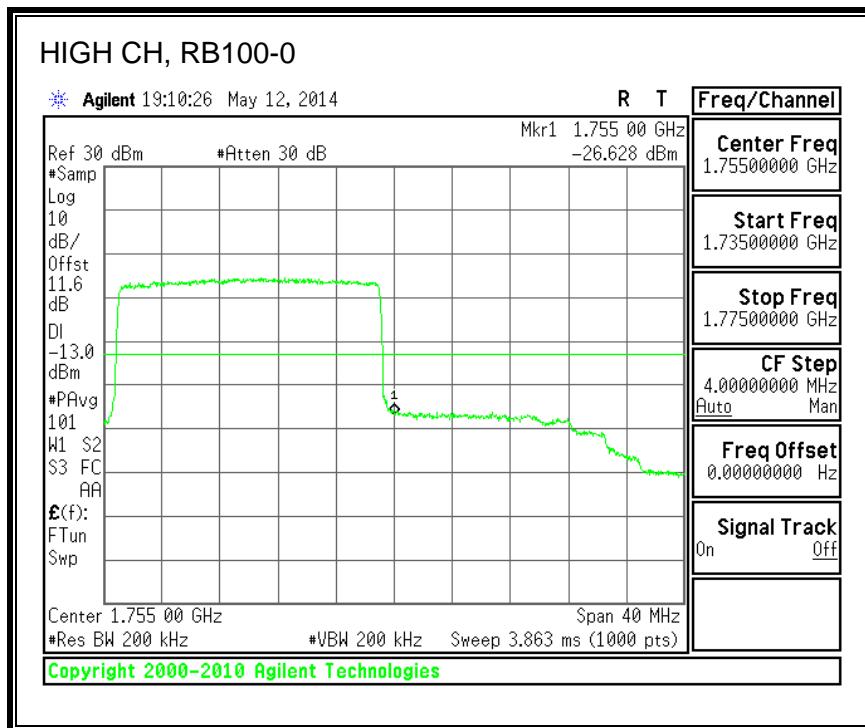
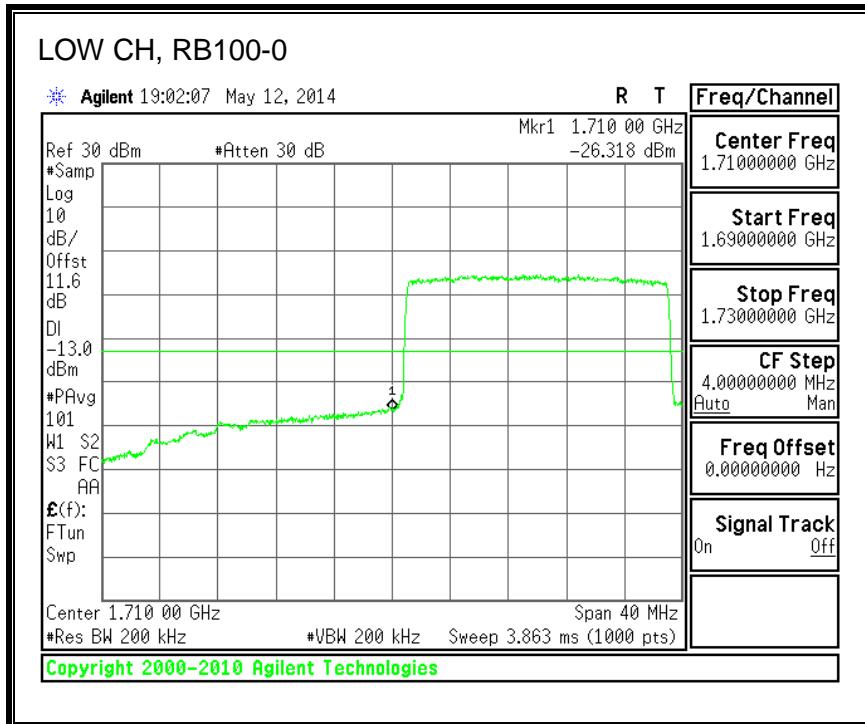


**16QAM, (20.0 MHz BAND WIDTH)**



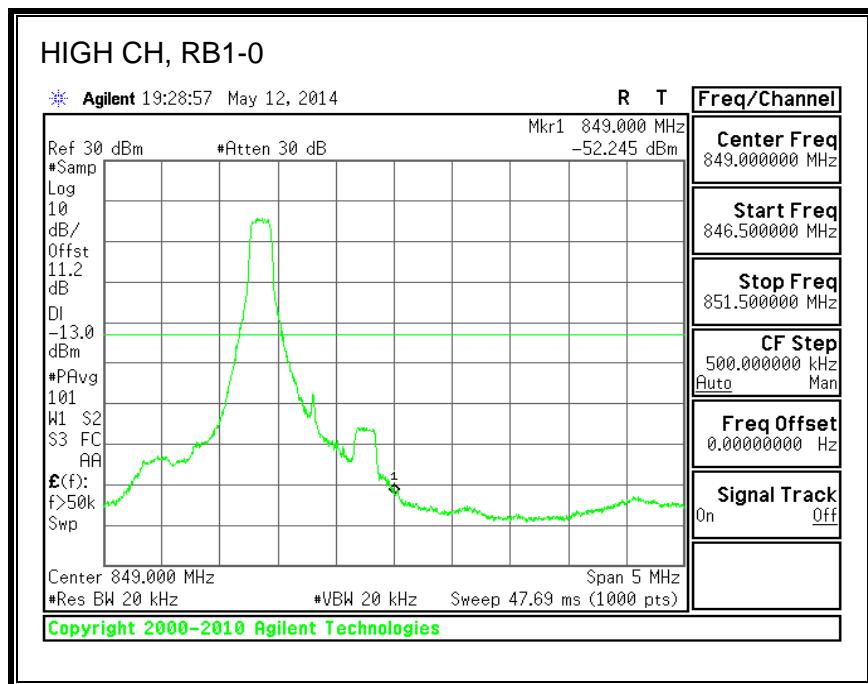
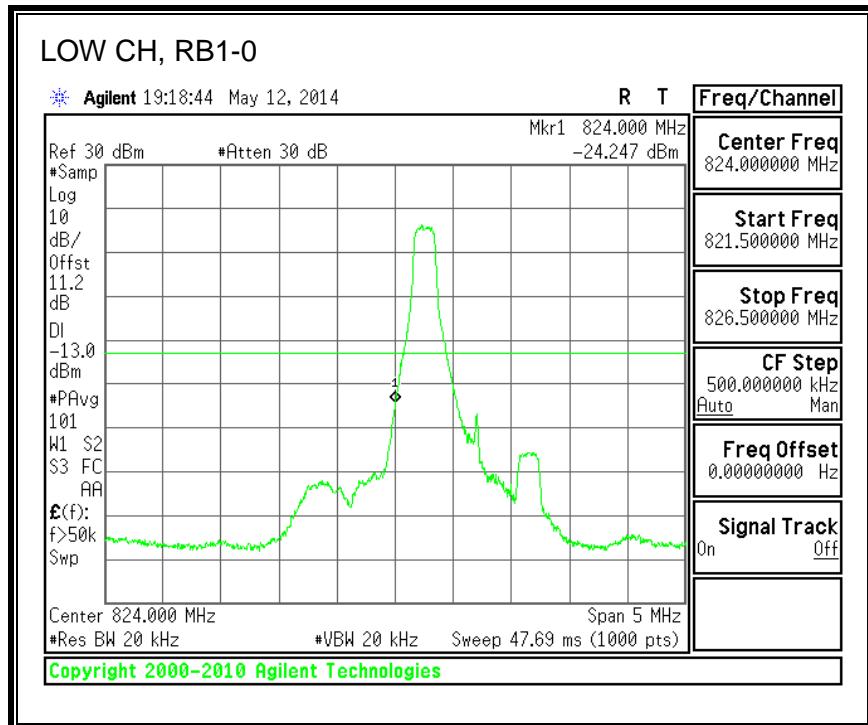


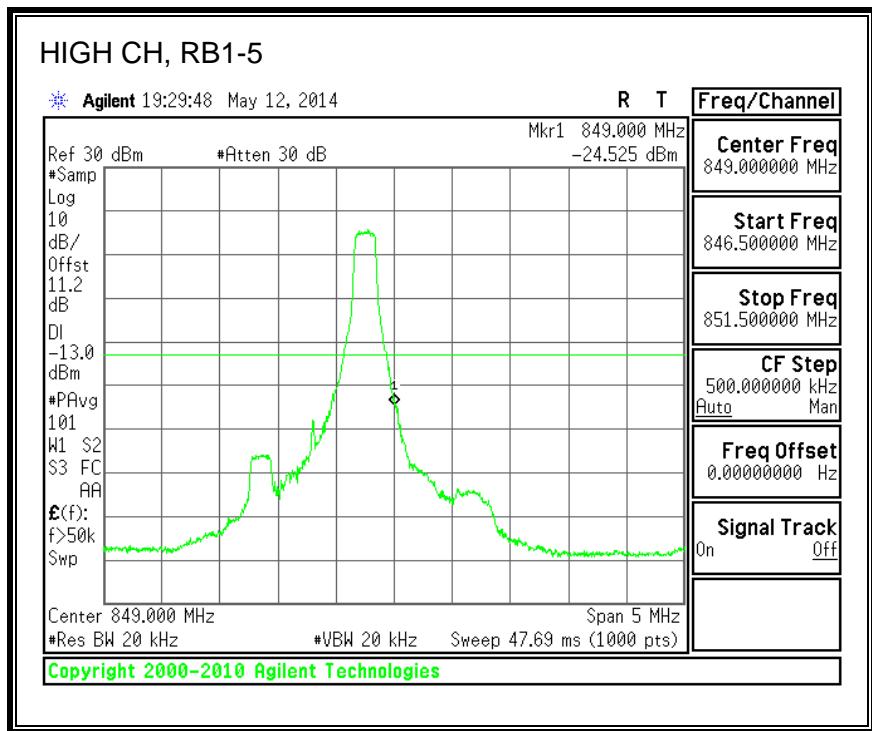
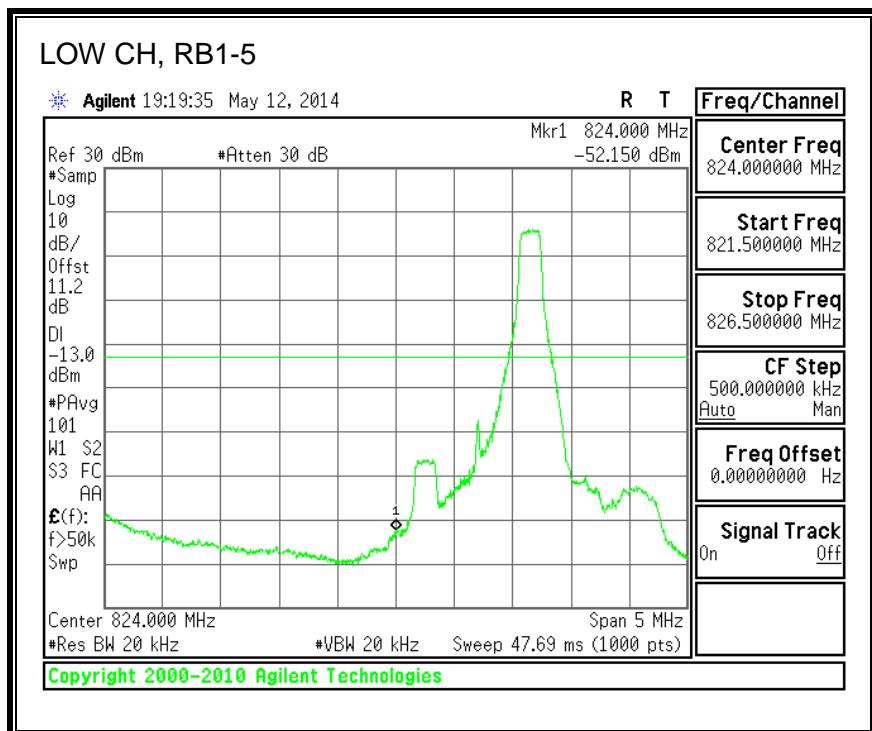


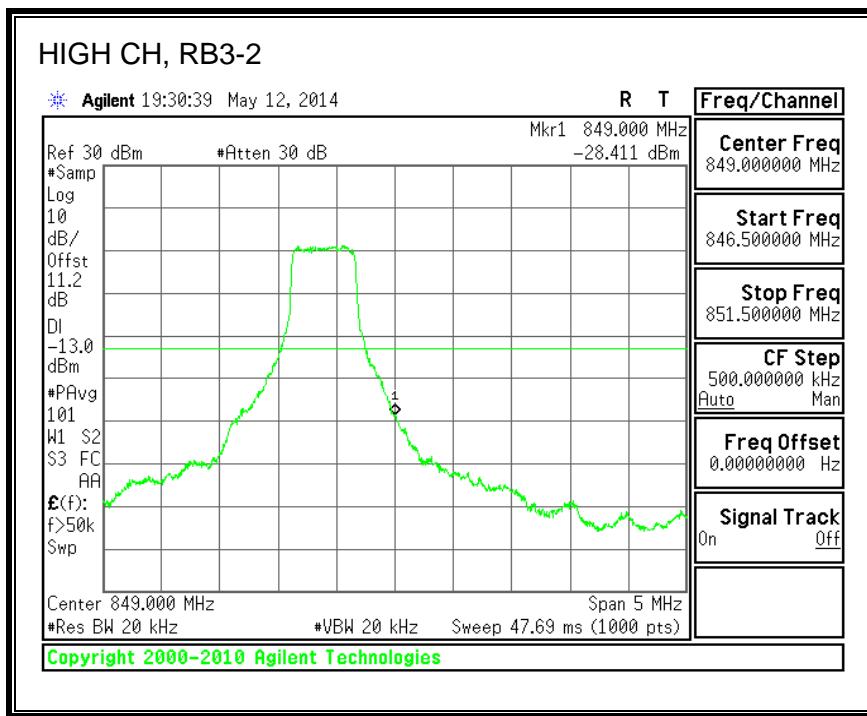
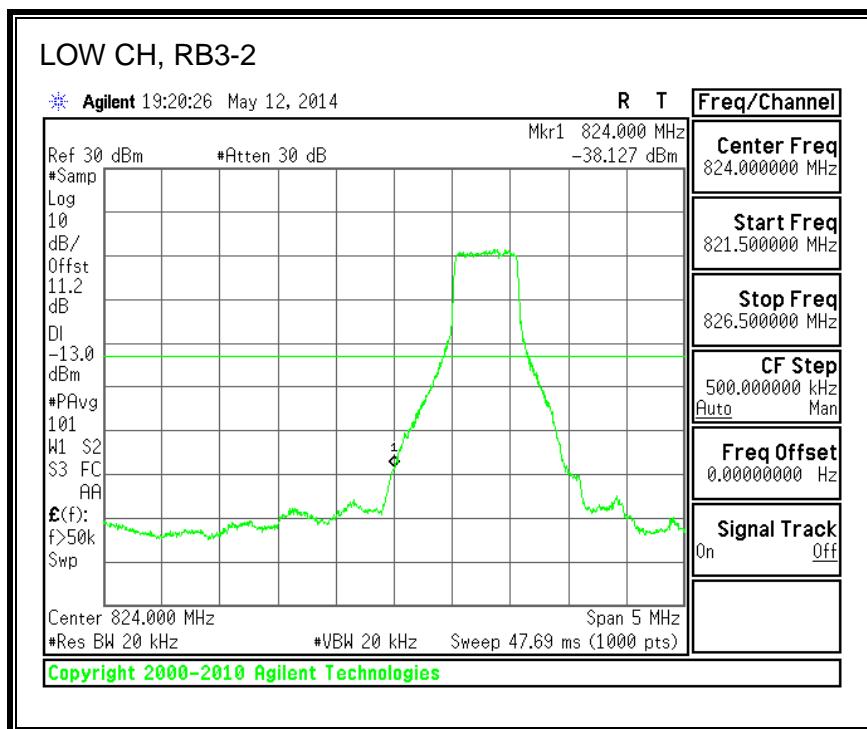


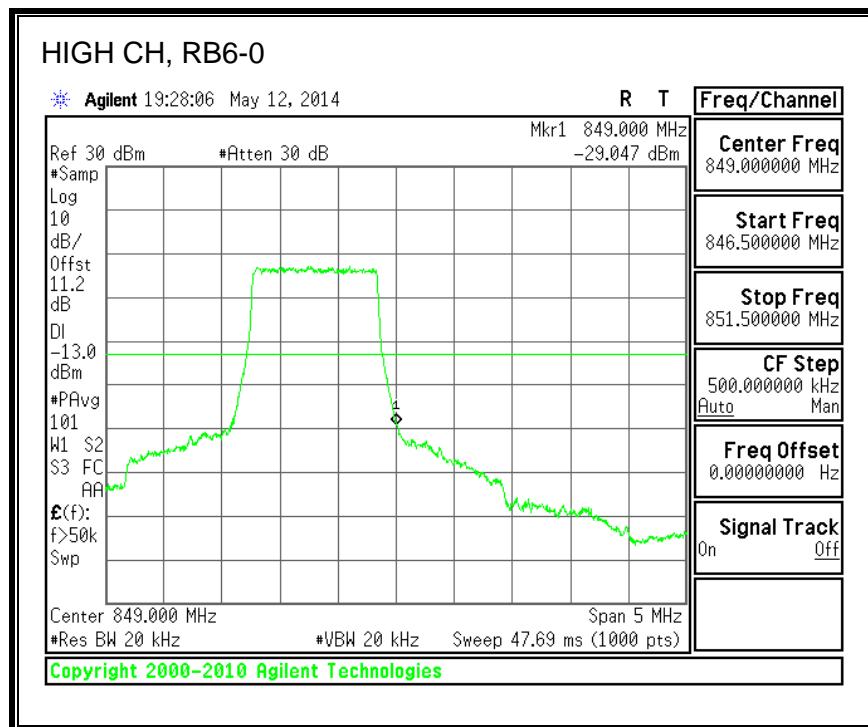
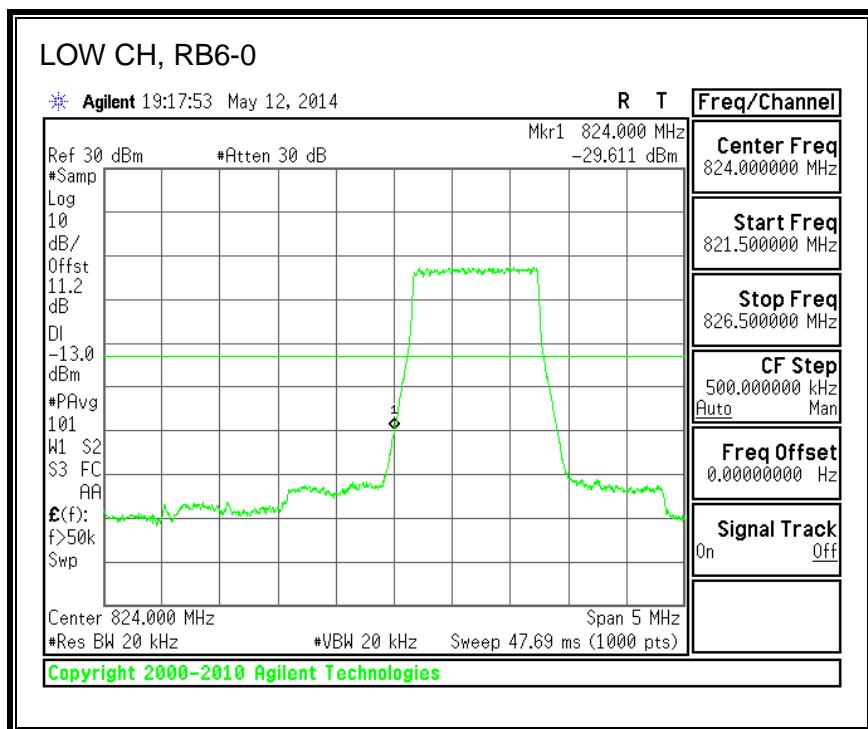
### 8.2.3. LTE BAND 5 BANDEDGE

#### QPSK, (1.4 MHz BAND WIDTH)

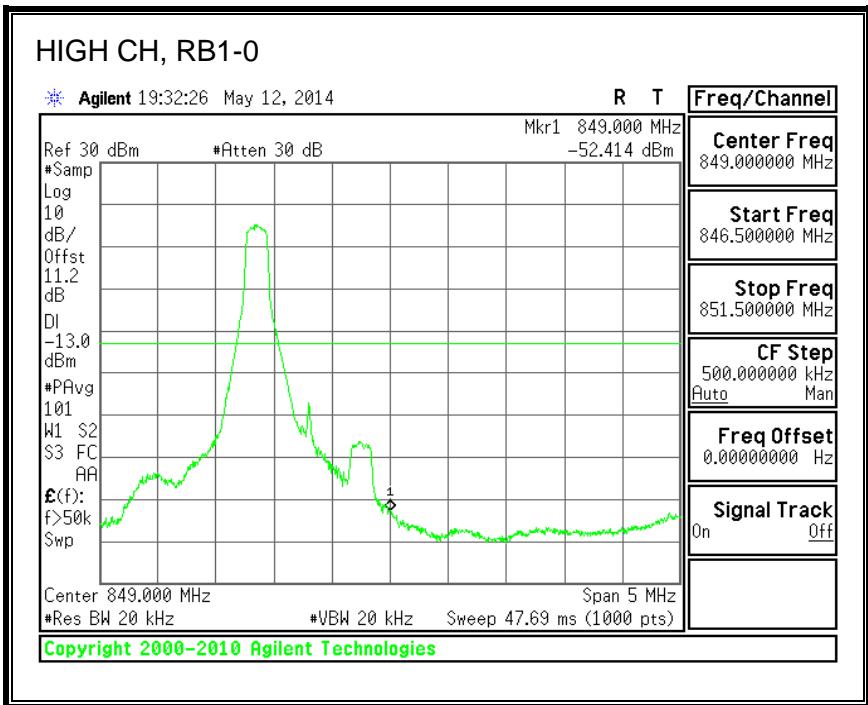
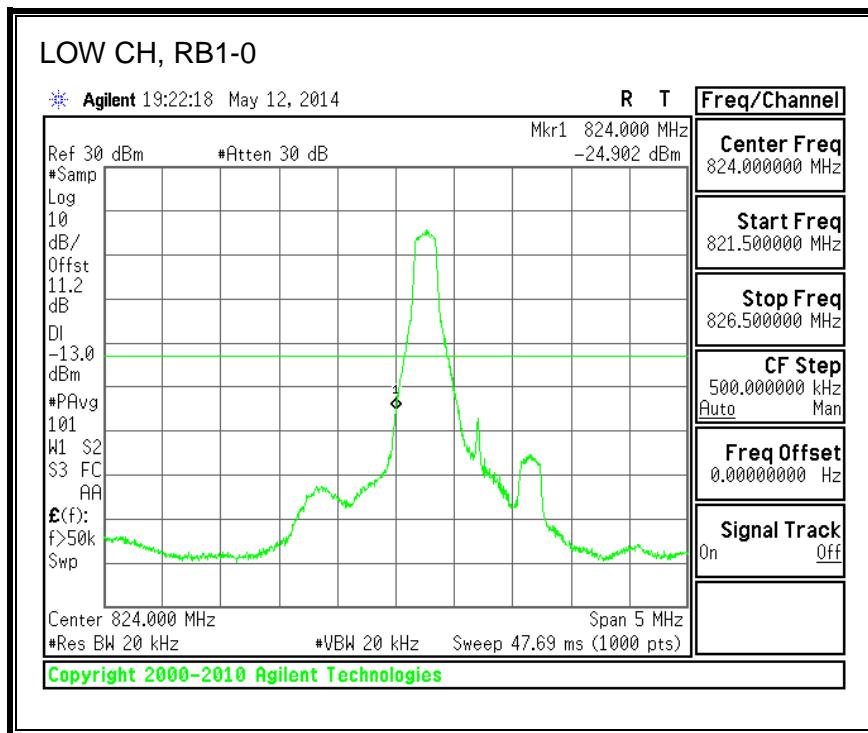


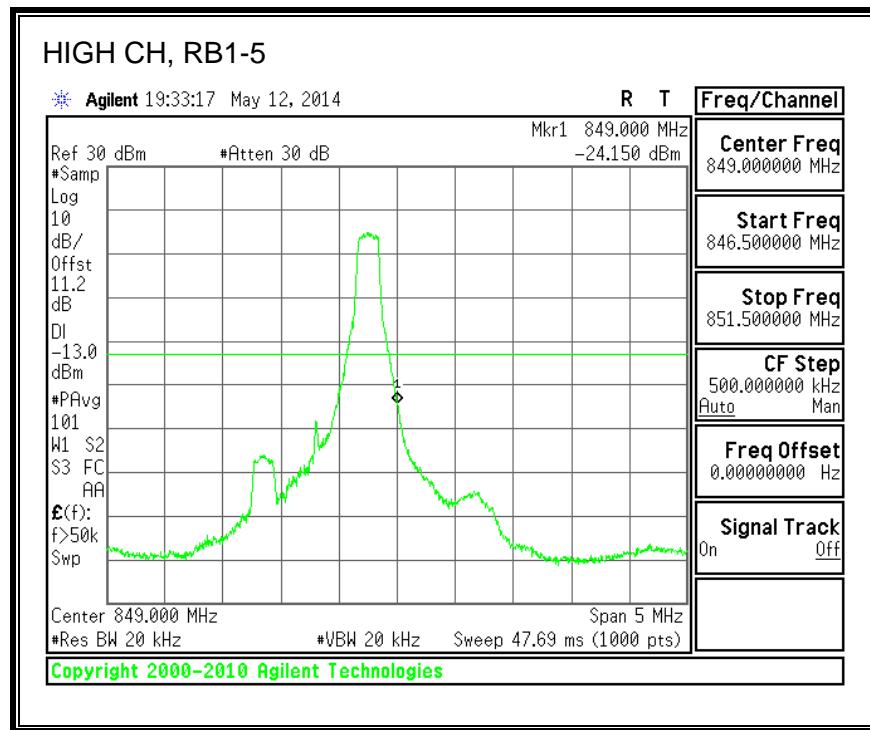
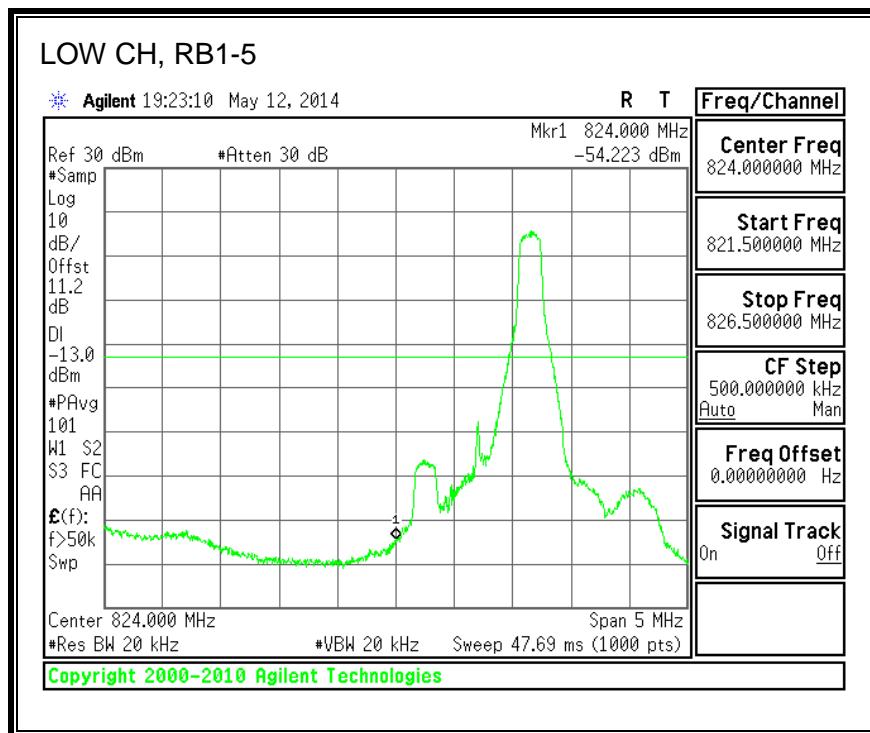


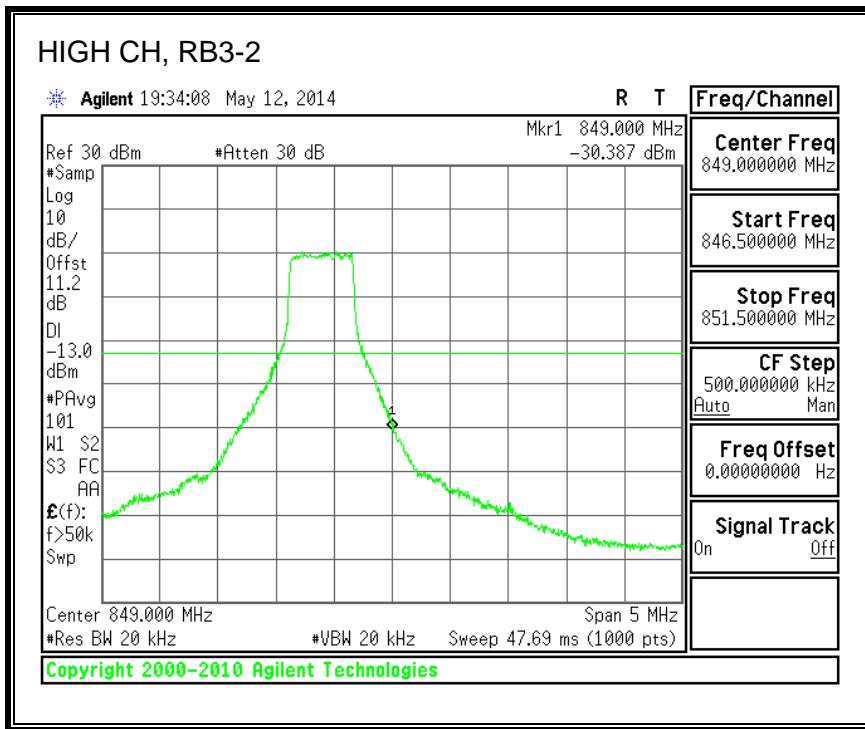
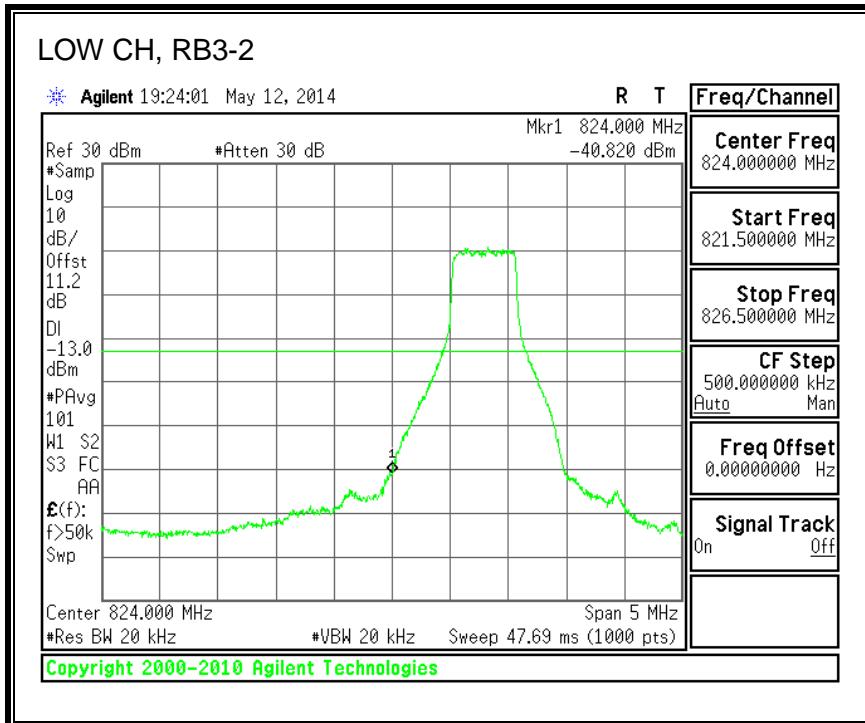


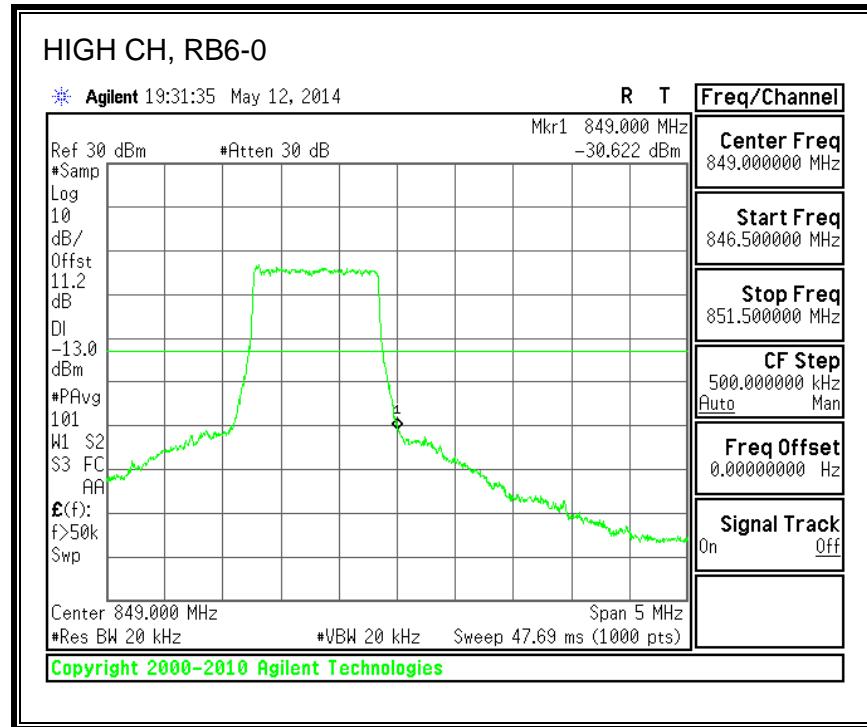
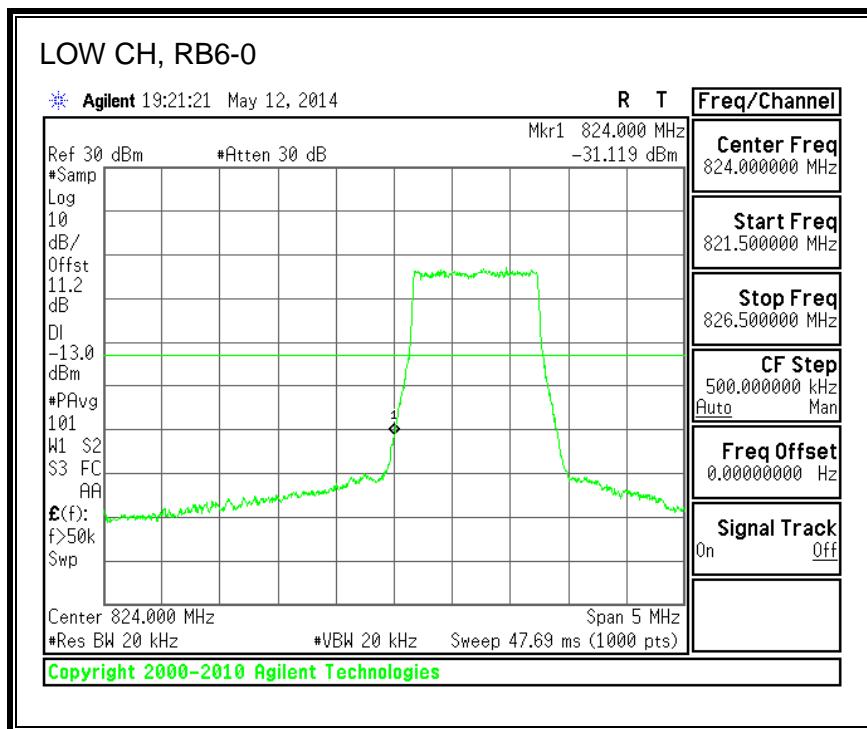


**16QAM, (1.4 MHz BAND WIDTH)**

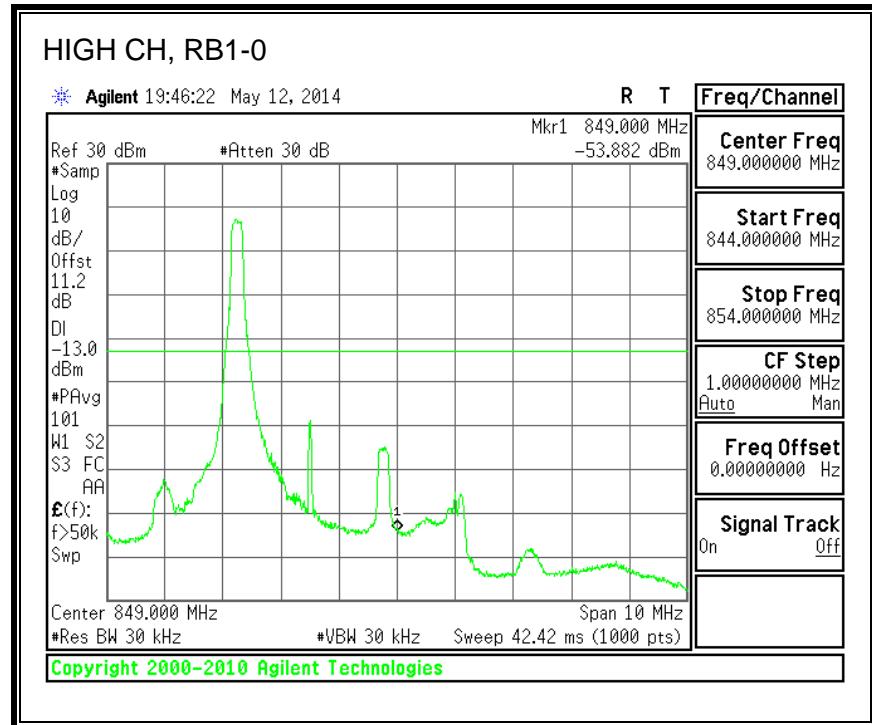
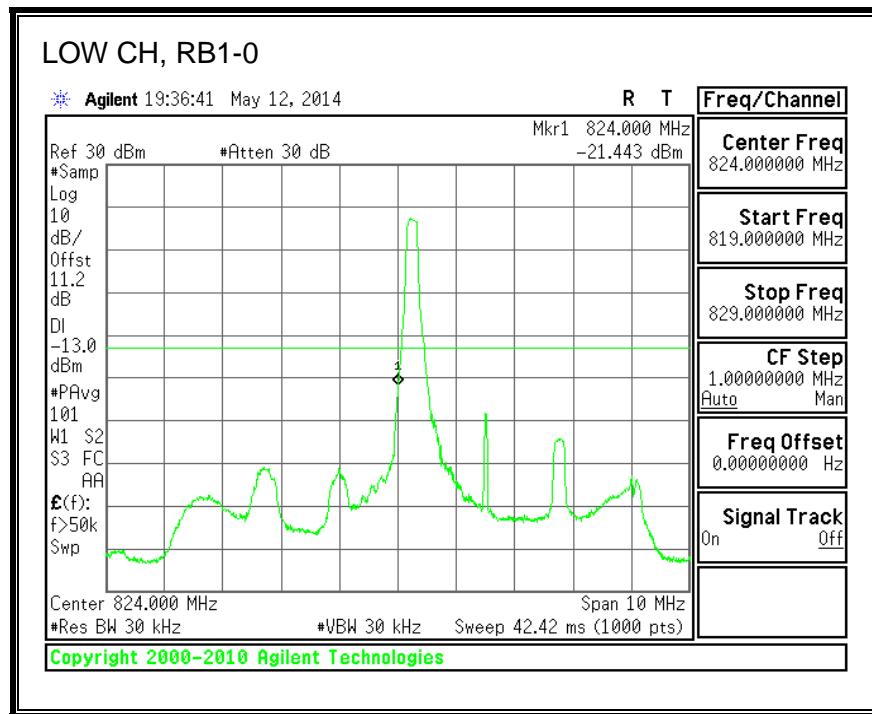


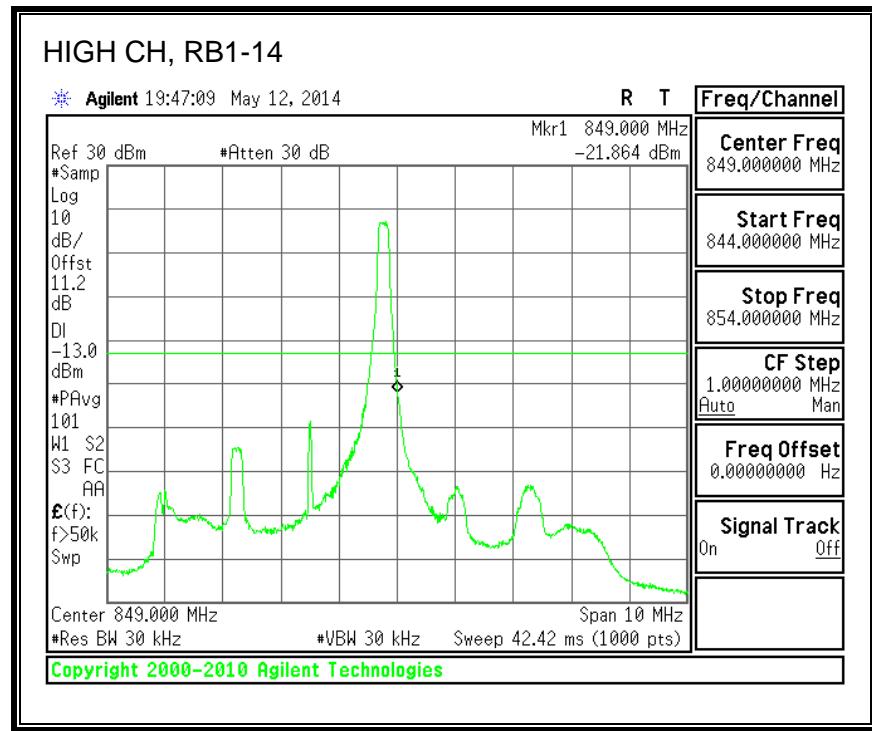
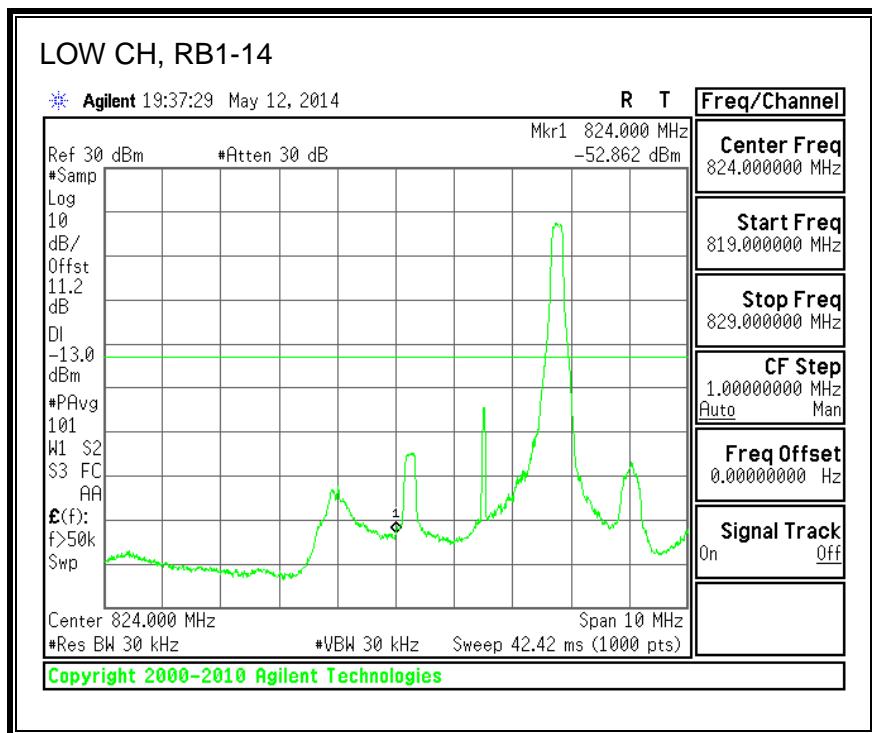


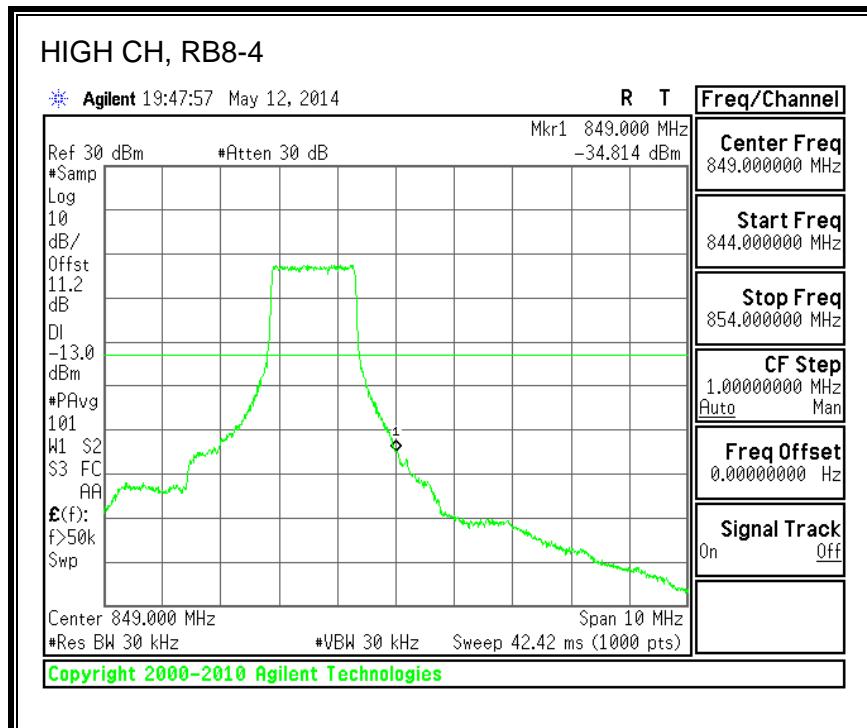
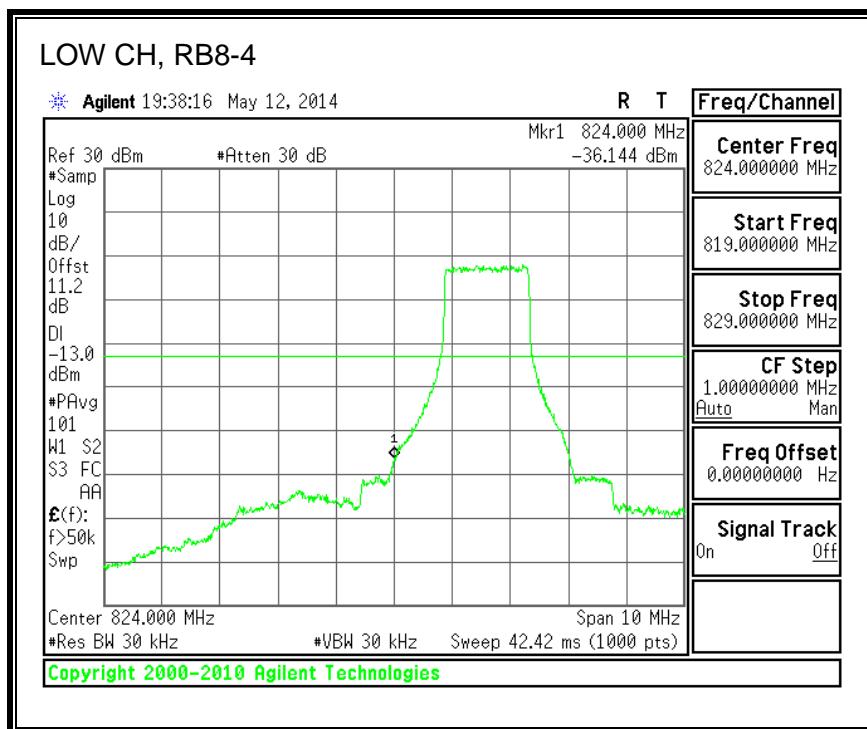


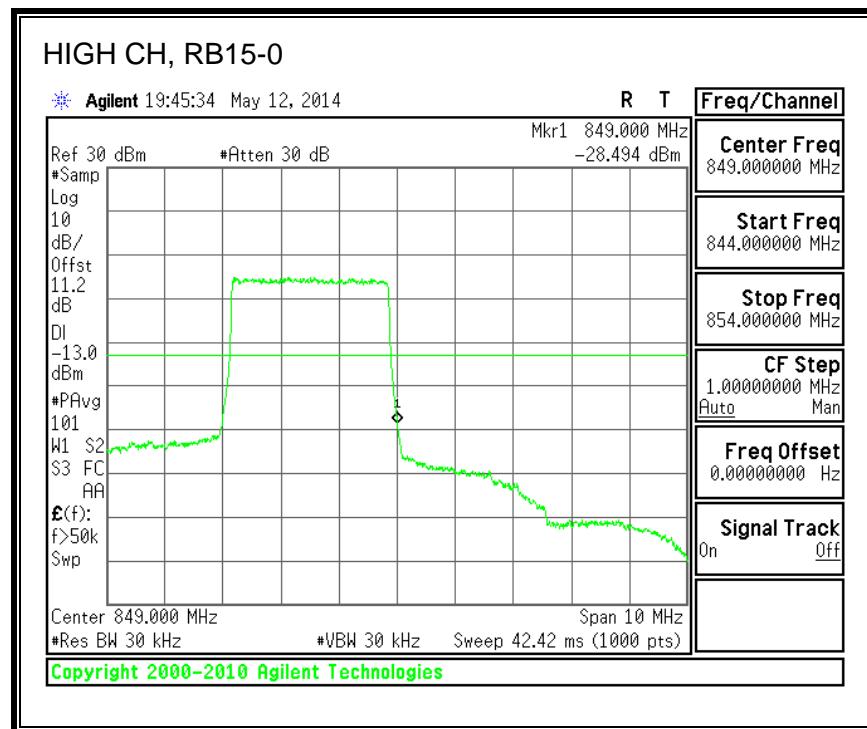
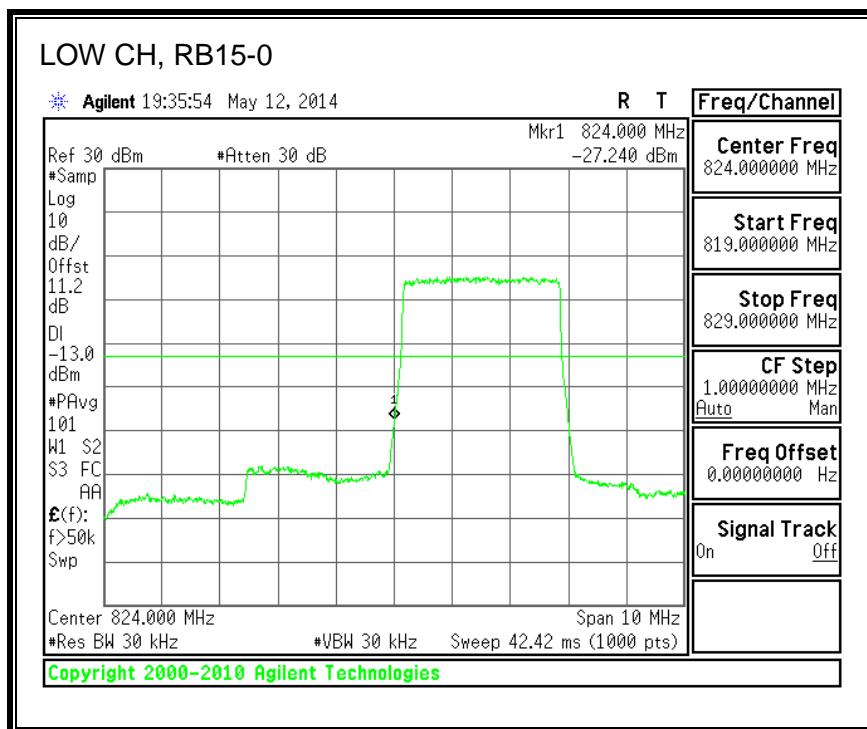


**QPSK, (3.0 MHz BAND WIDTH)**

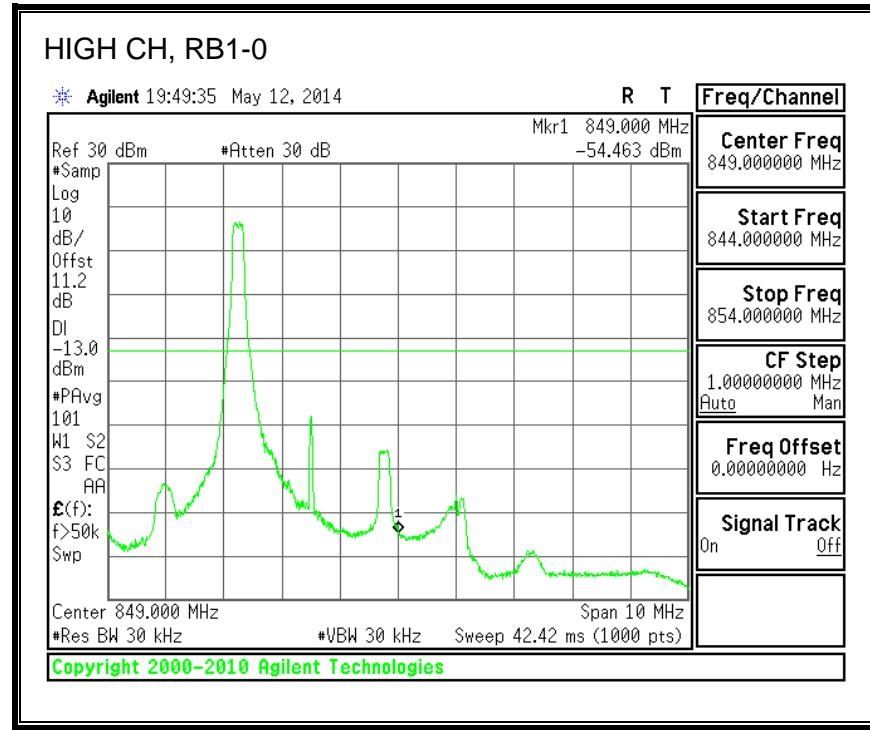
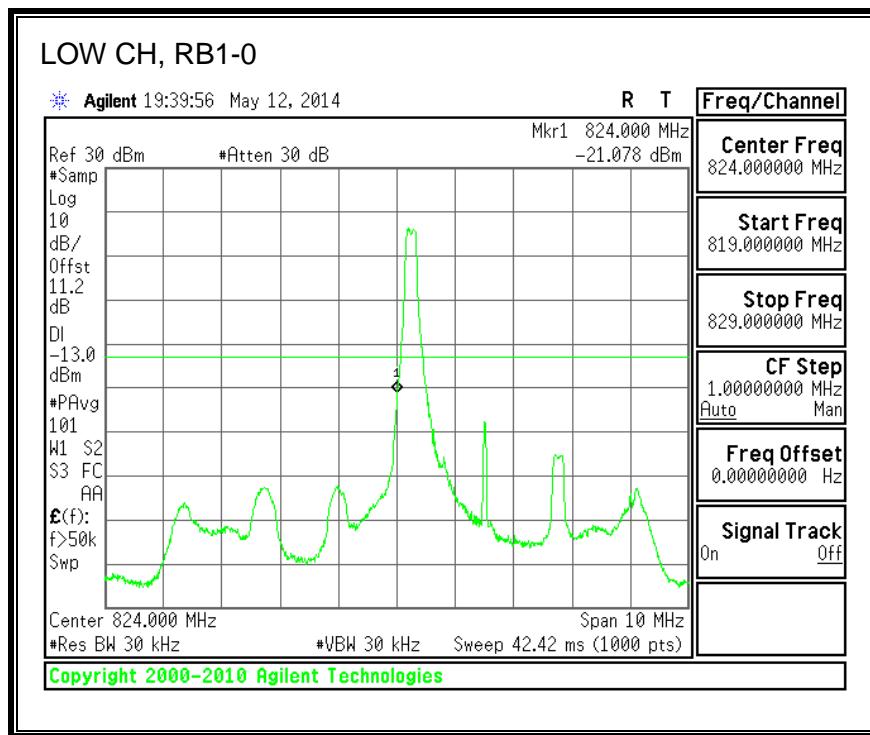


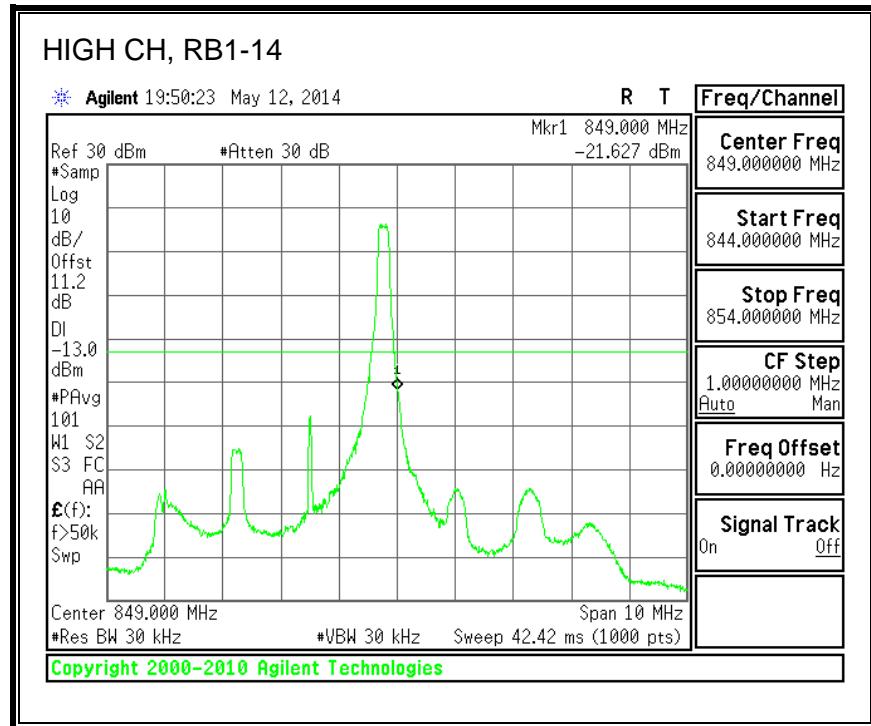
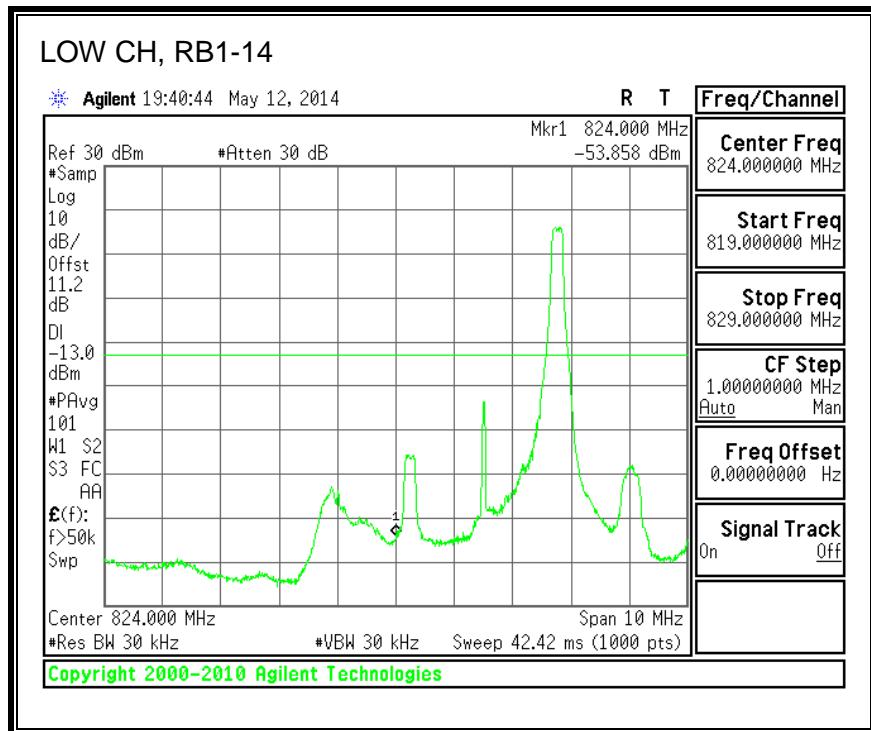


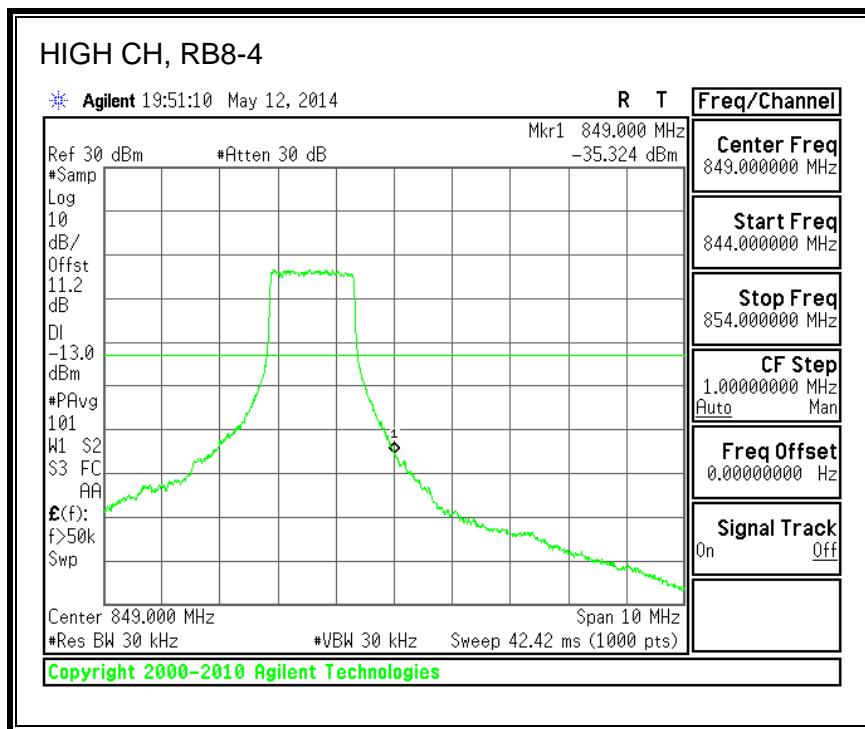
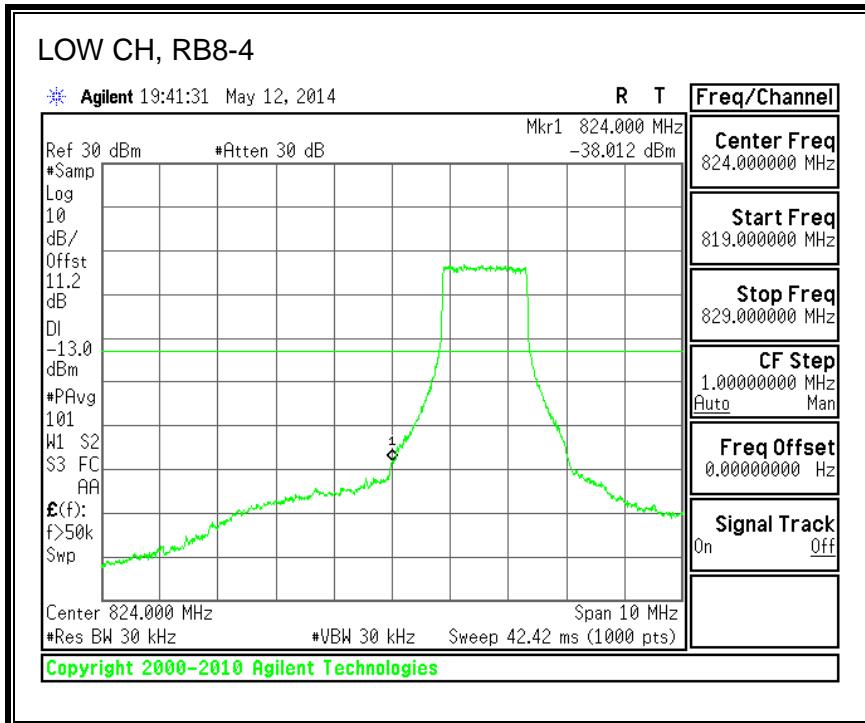


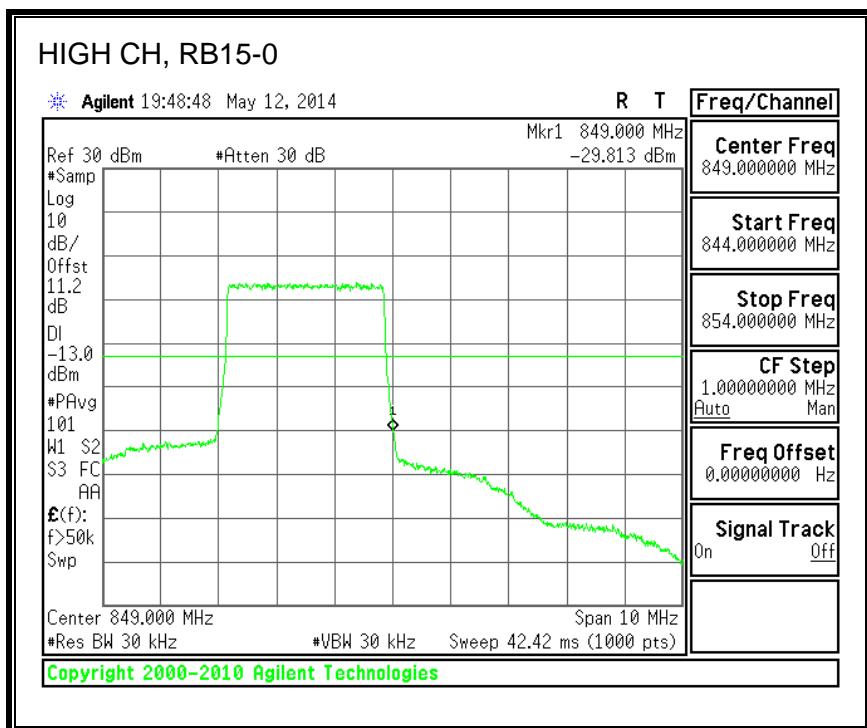
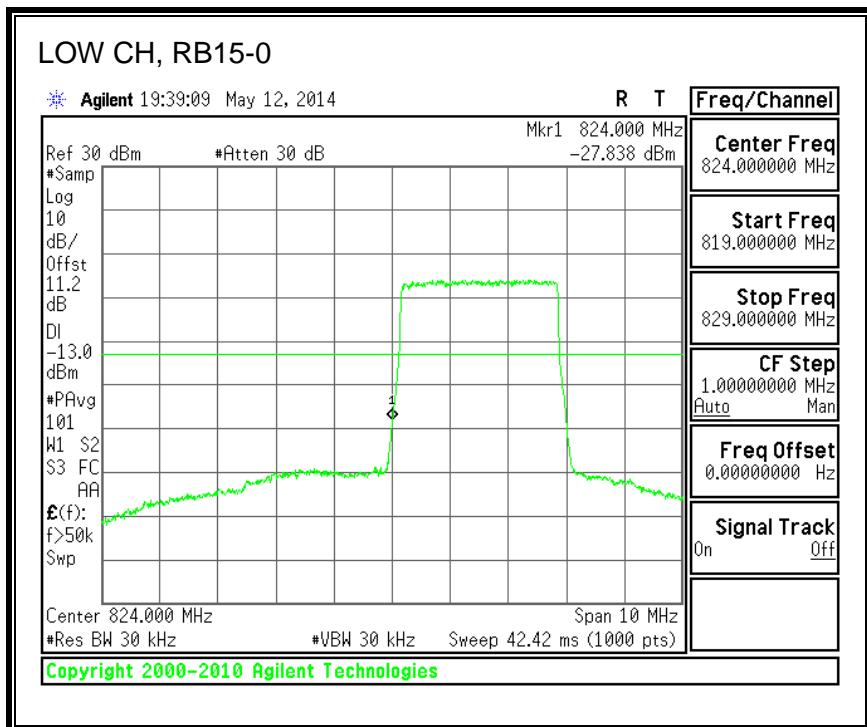


**16QAM, (3.0 MHz BAND WIDTH)**

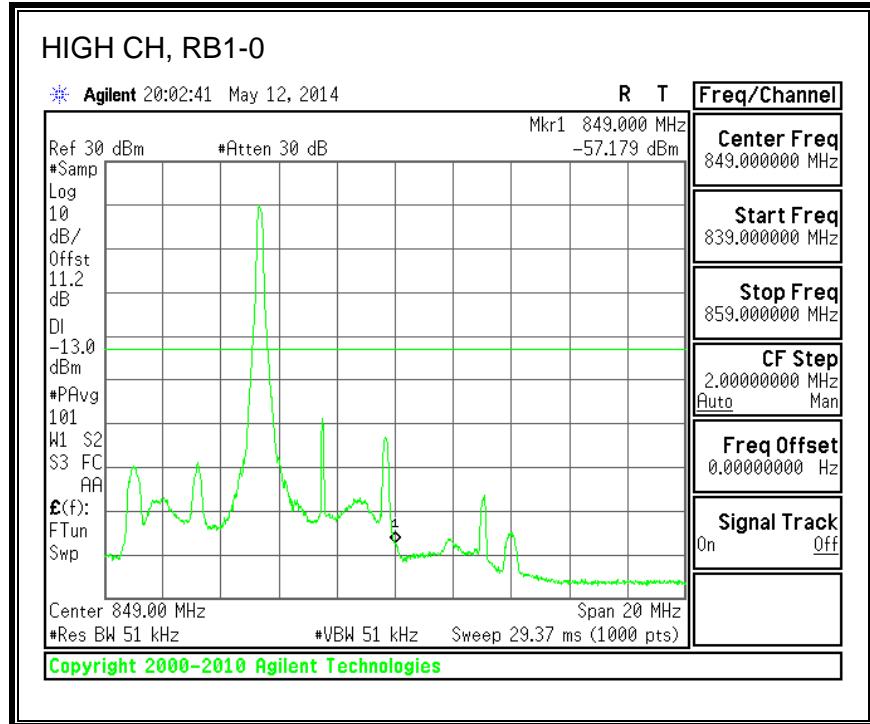
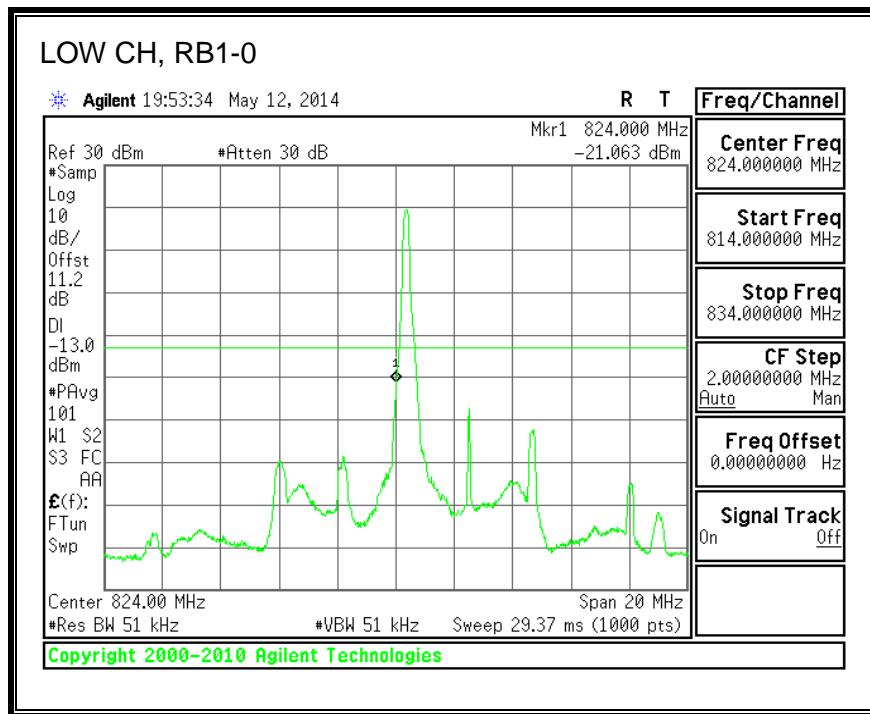


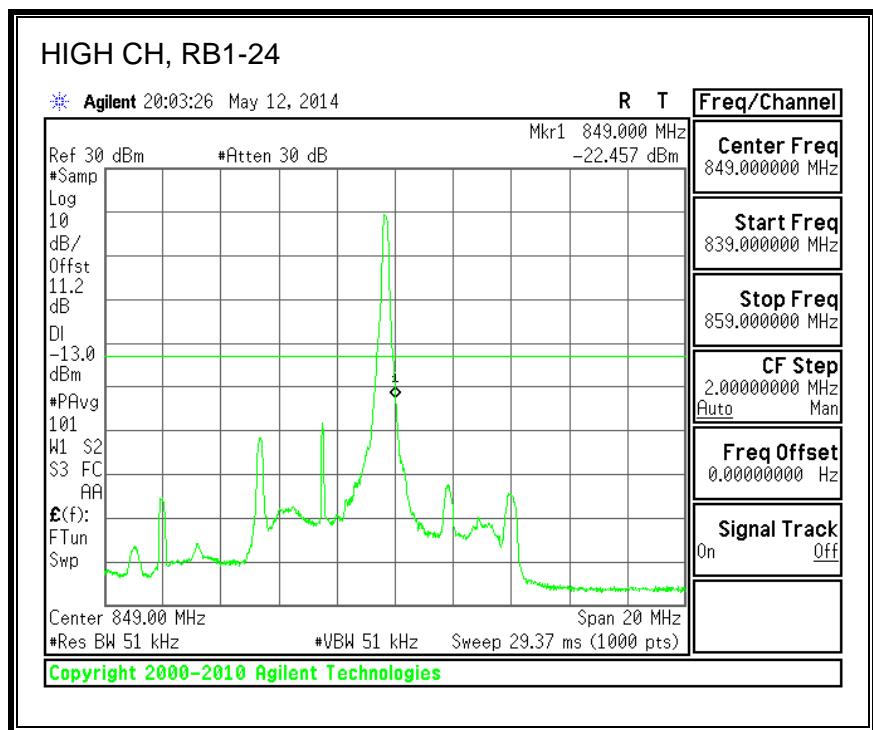
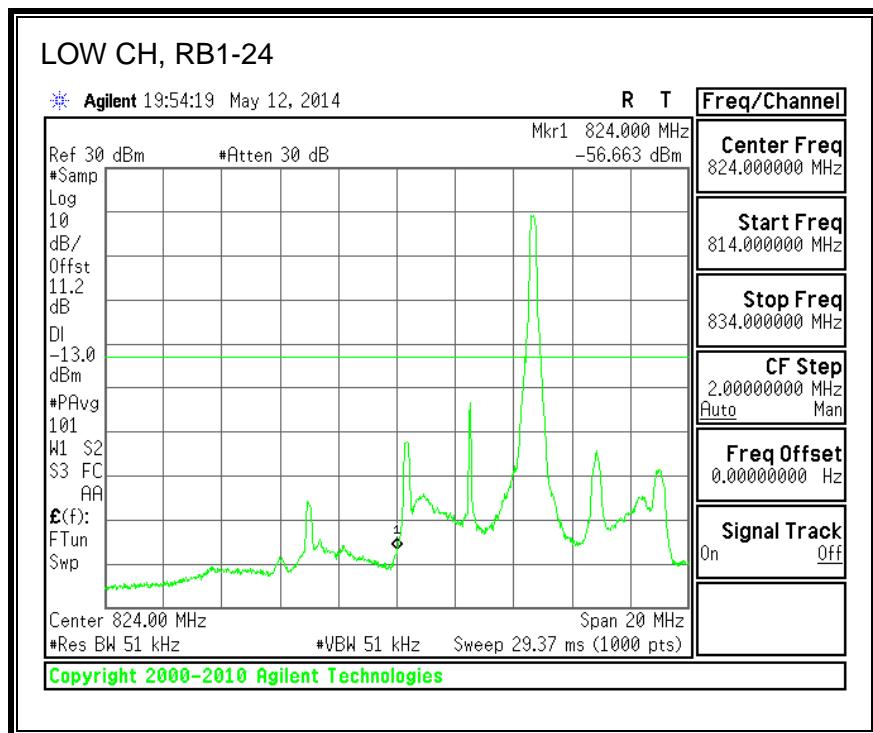


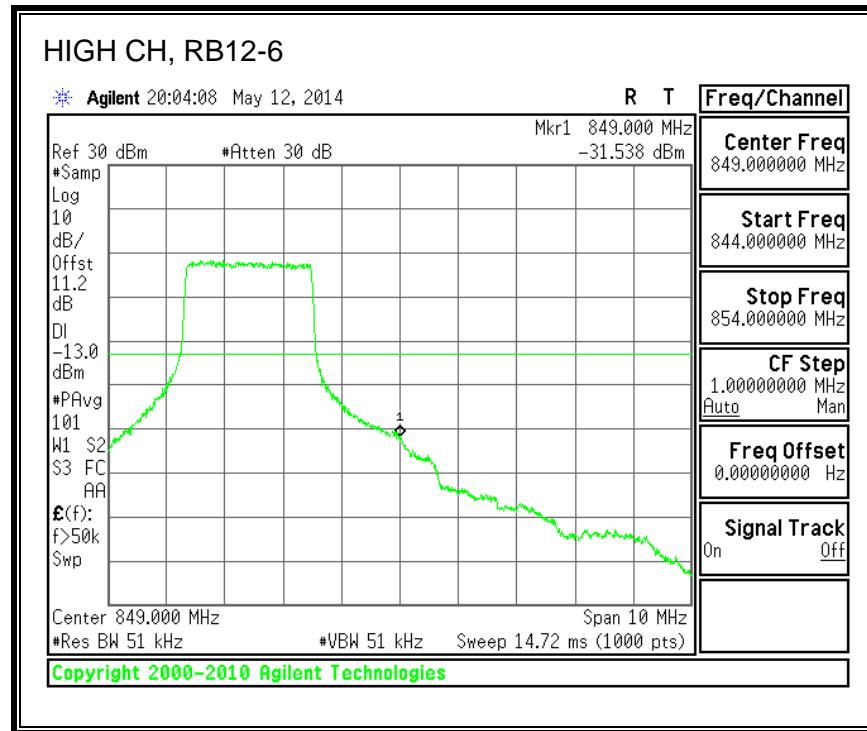
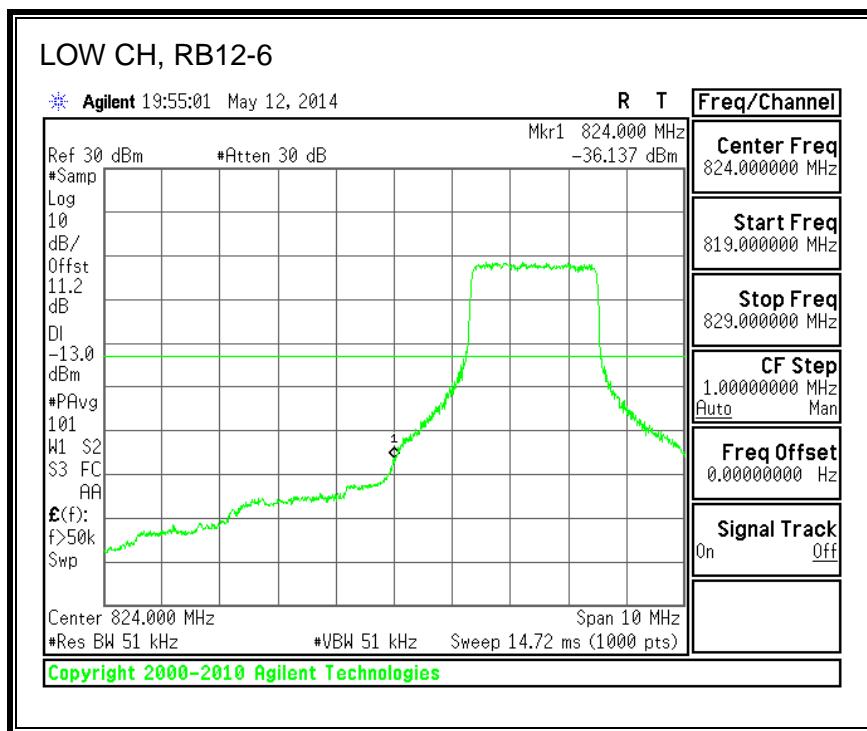


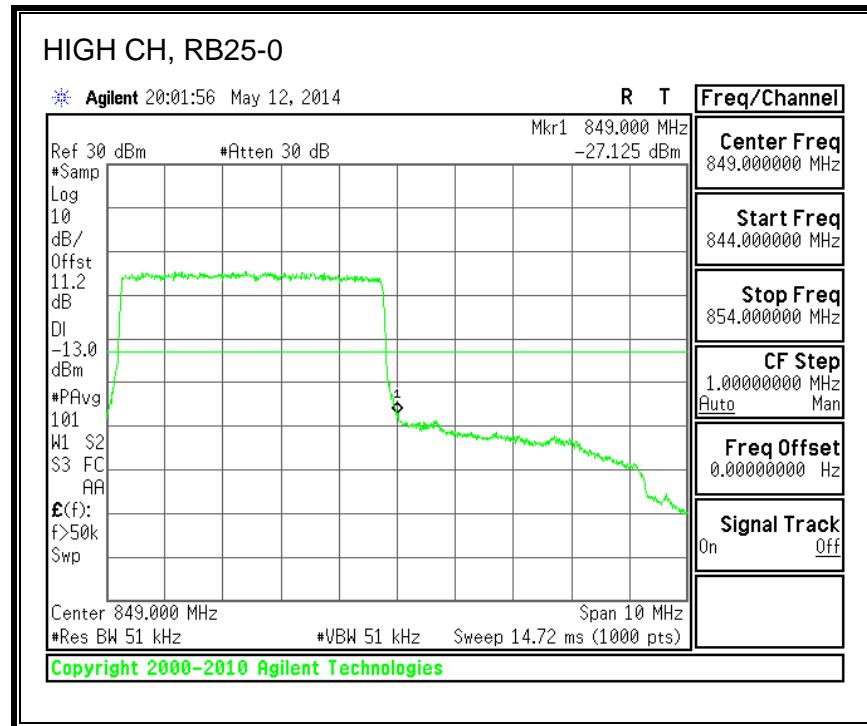
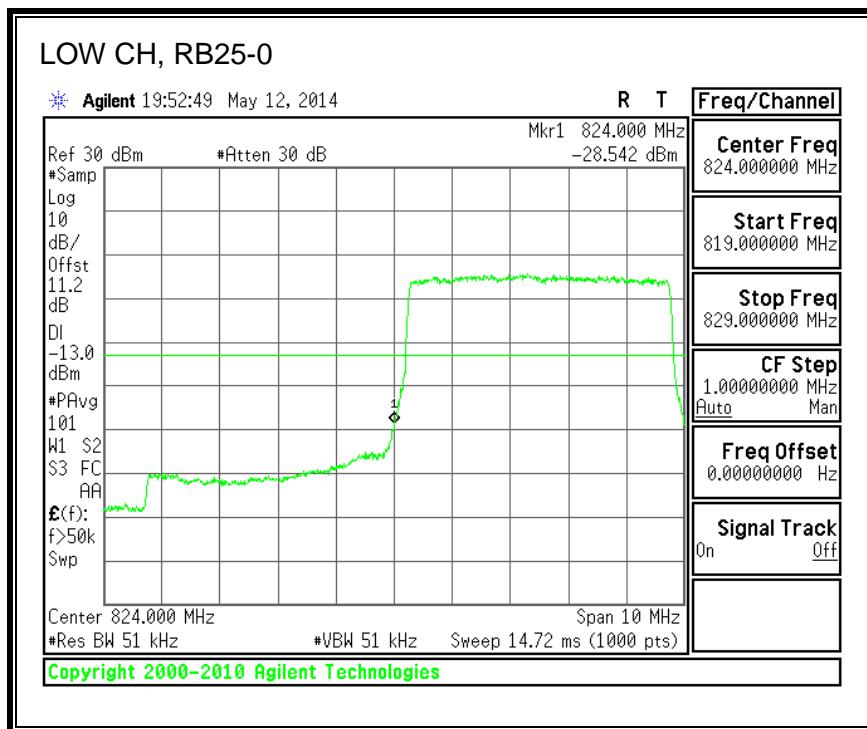


**QPSK, (5.0 MHz BAND WIDTH)**

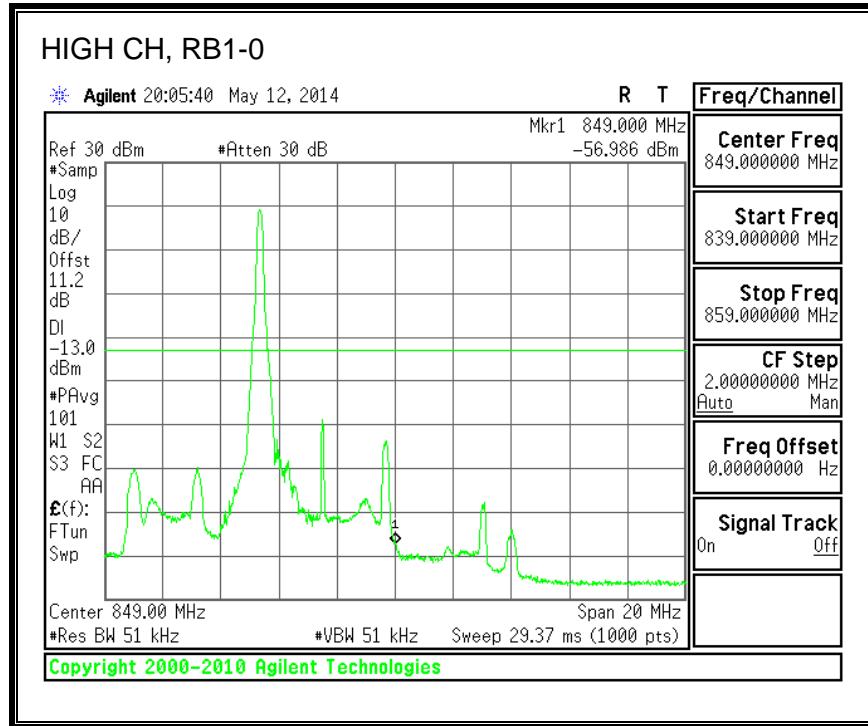
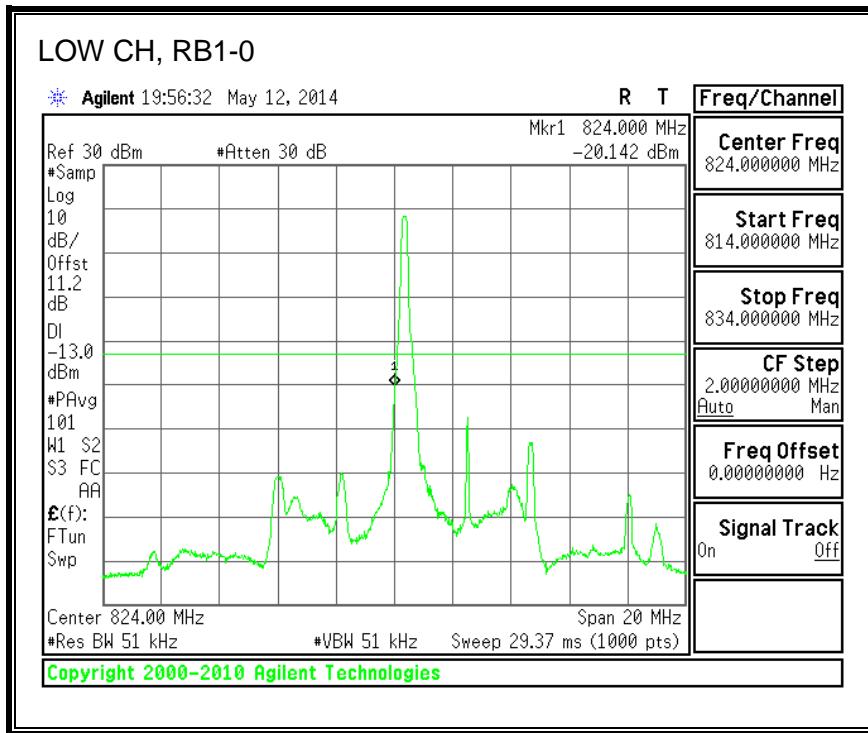


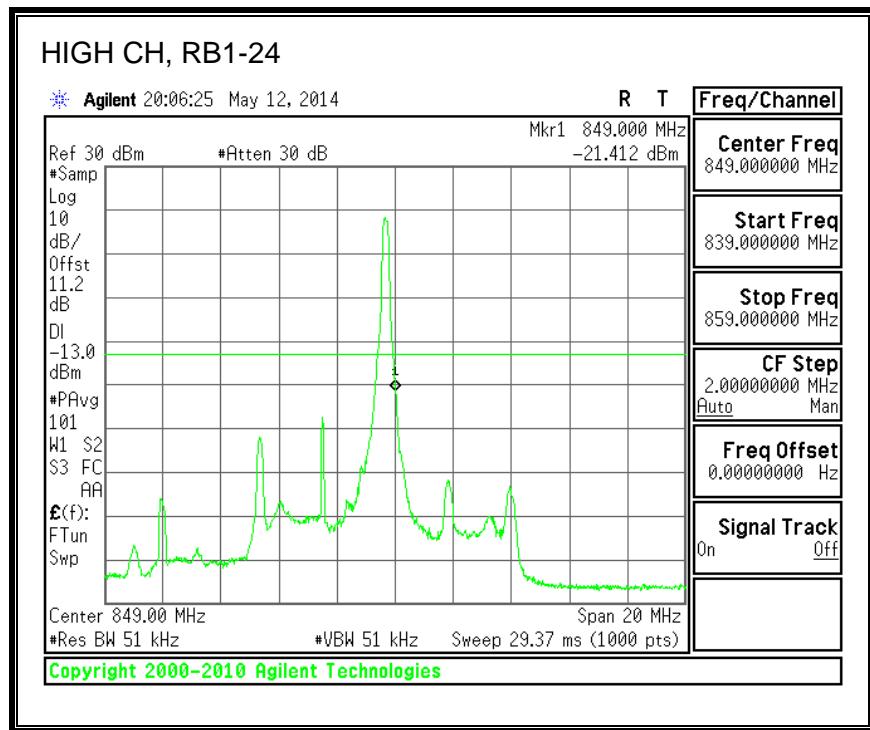
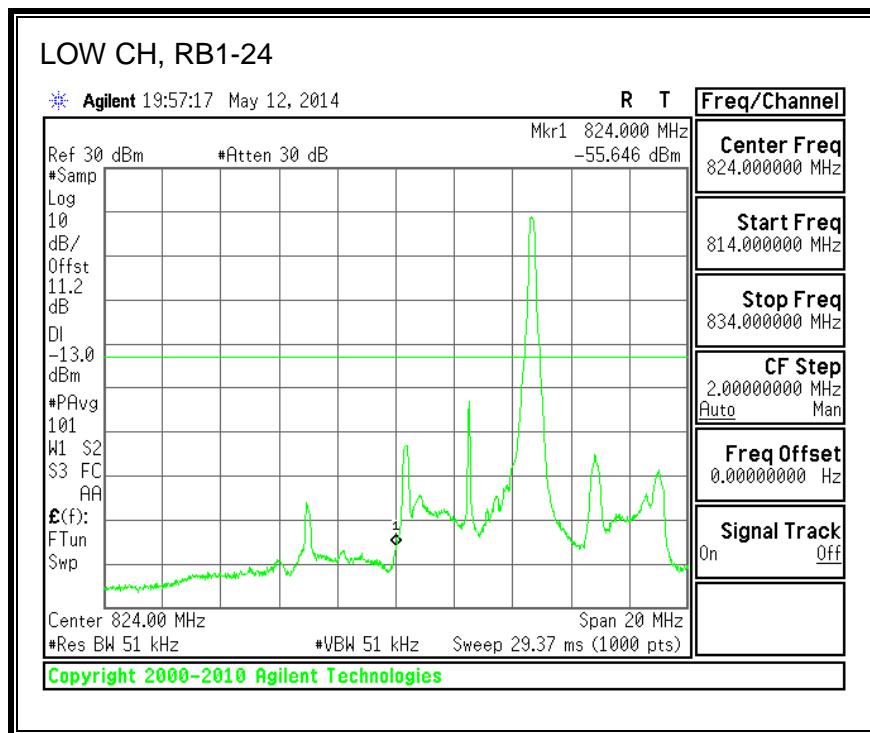


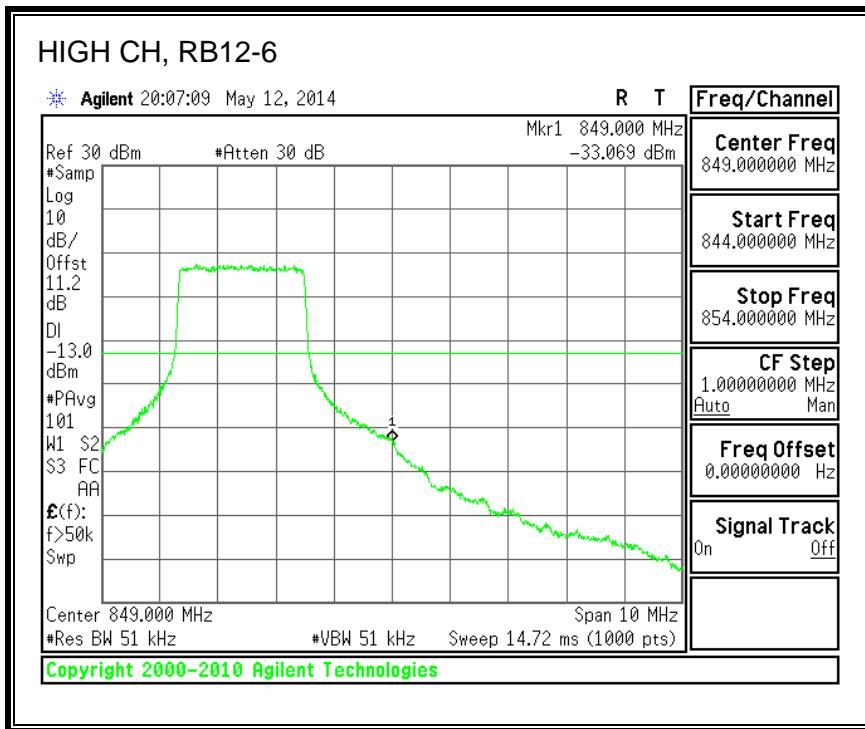
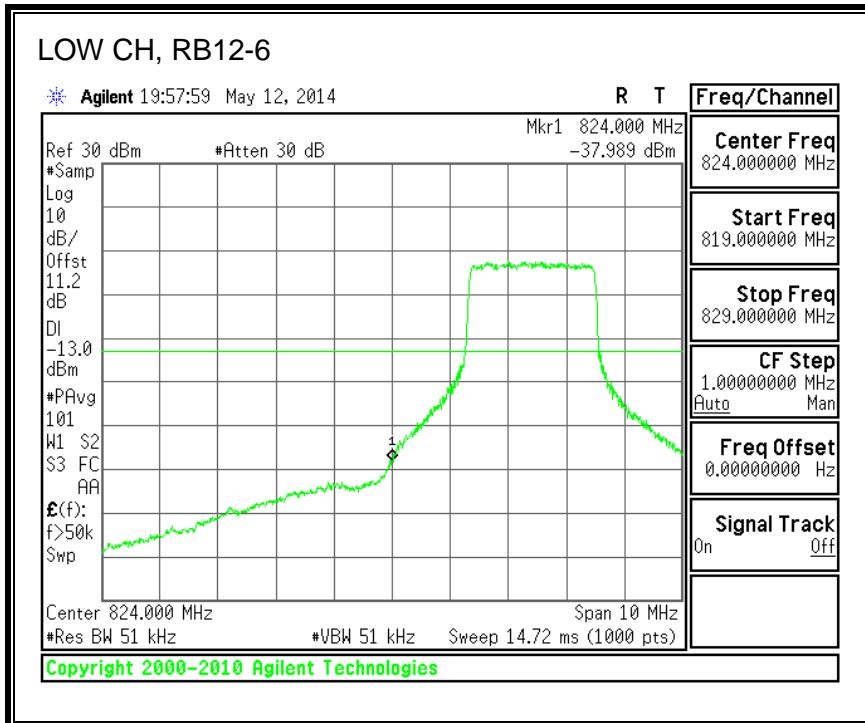




**16QAM, (5.0 MHz BAND WIDTH)**

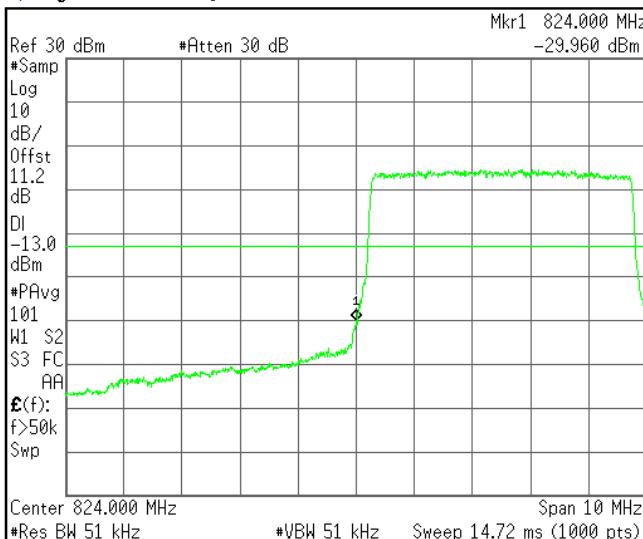






### LOW CH, RB25-0

\* Agilent 19:55:47 May 12, 2014

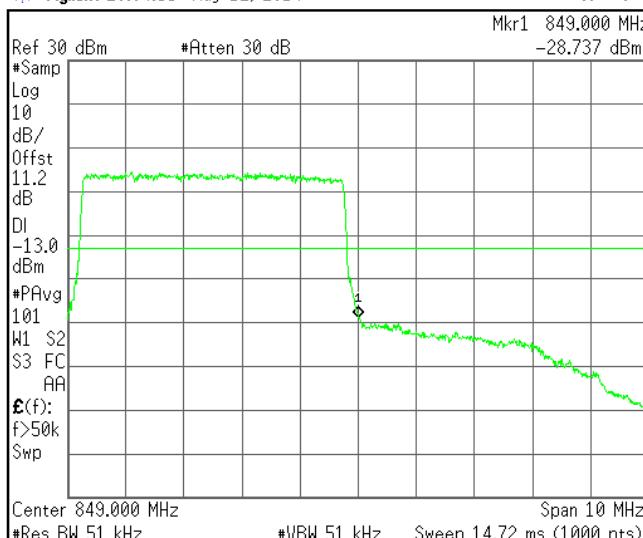


Freq/Channel	
Center Freq	824.000000 MHz
Start Freq	819.000000 MHz
Stop Freq	829.000000 MHz
CF Step	1.00000000 MHz
	Auto Man
Freq Offset	0.00000000 Hz
Signal Track	On Off

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### HIGH CH, RB25-0

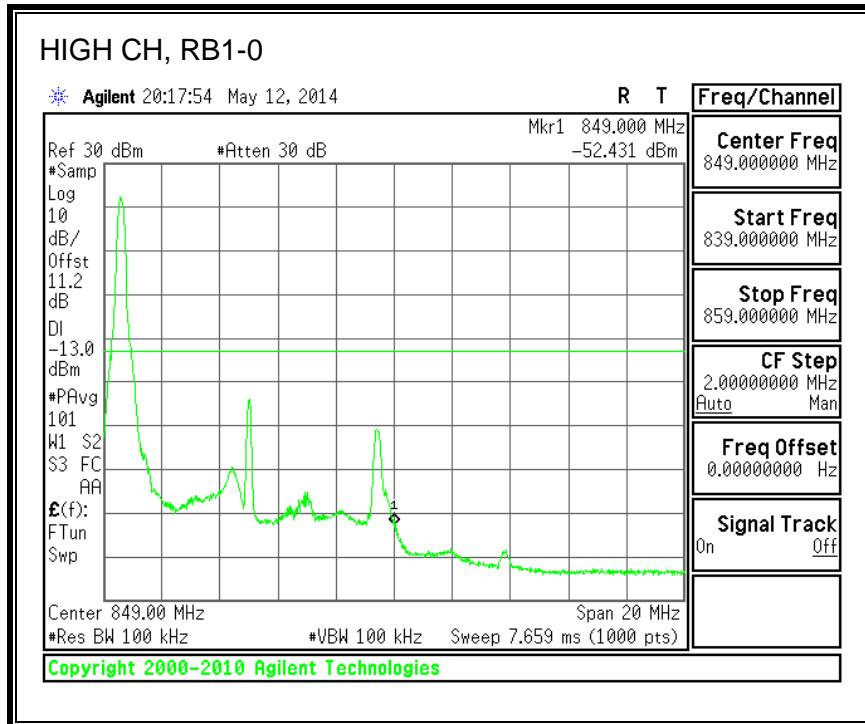
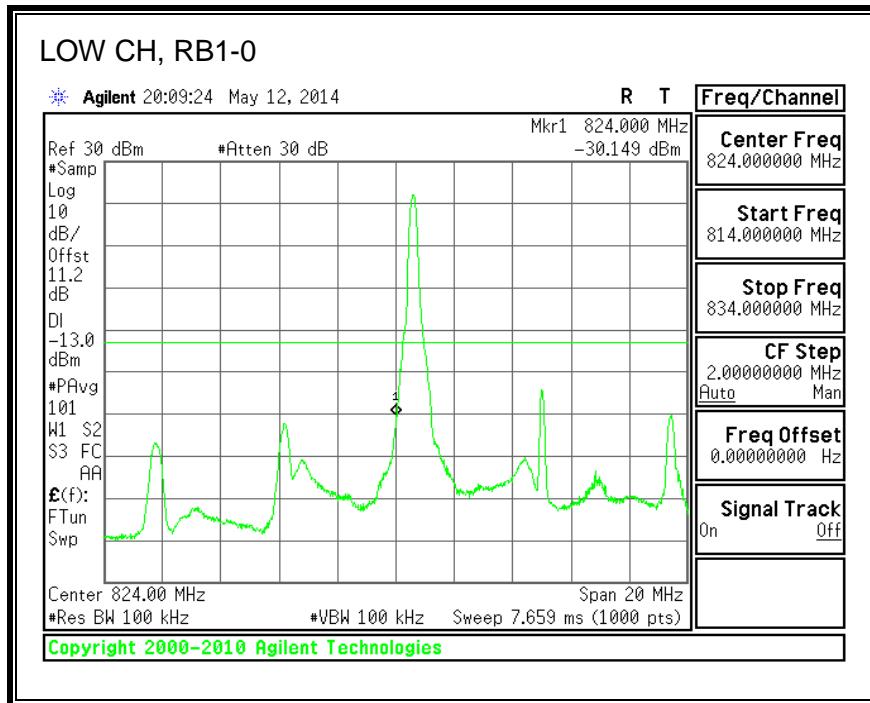
\* Agilent 20:04:55 May 12, 2014

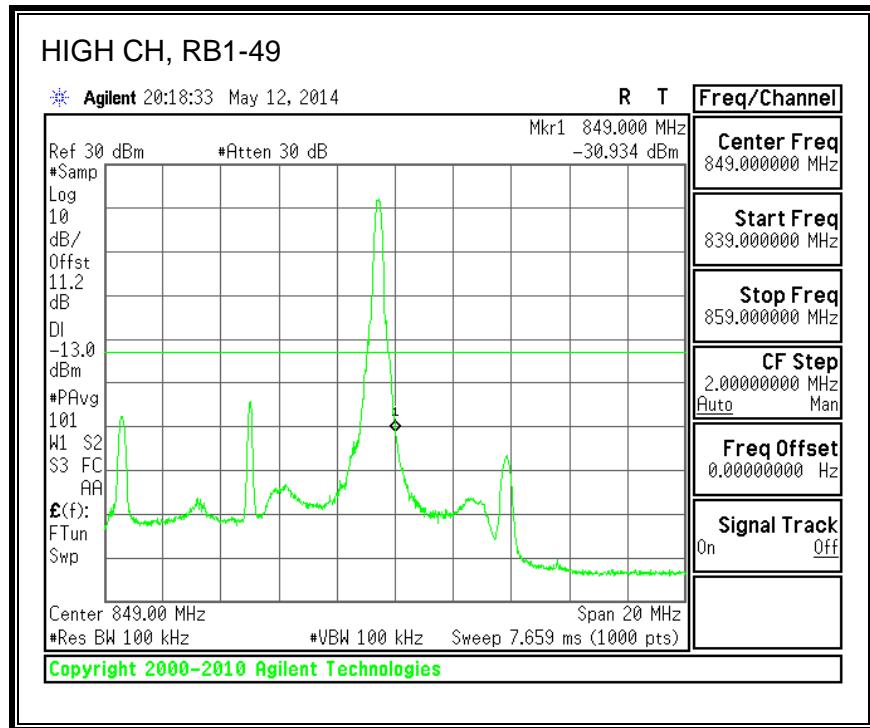
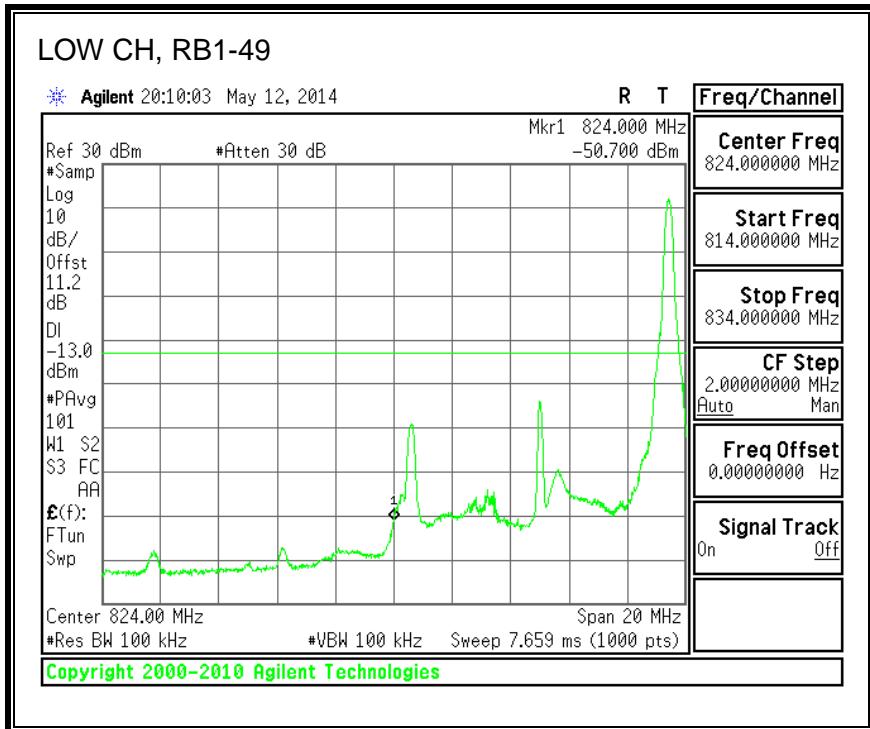


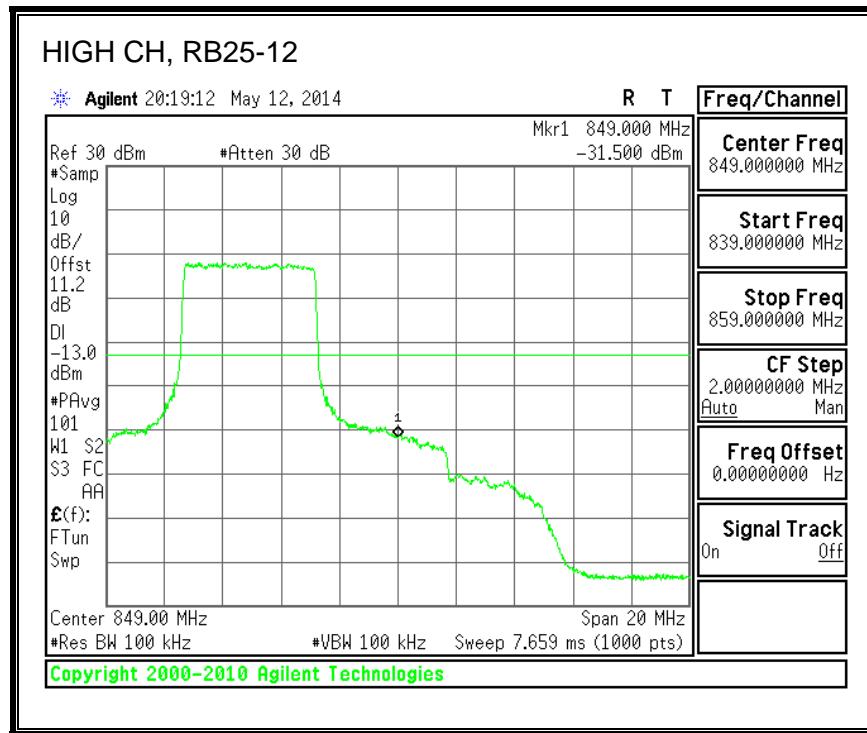
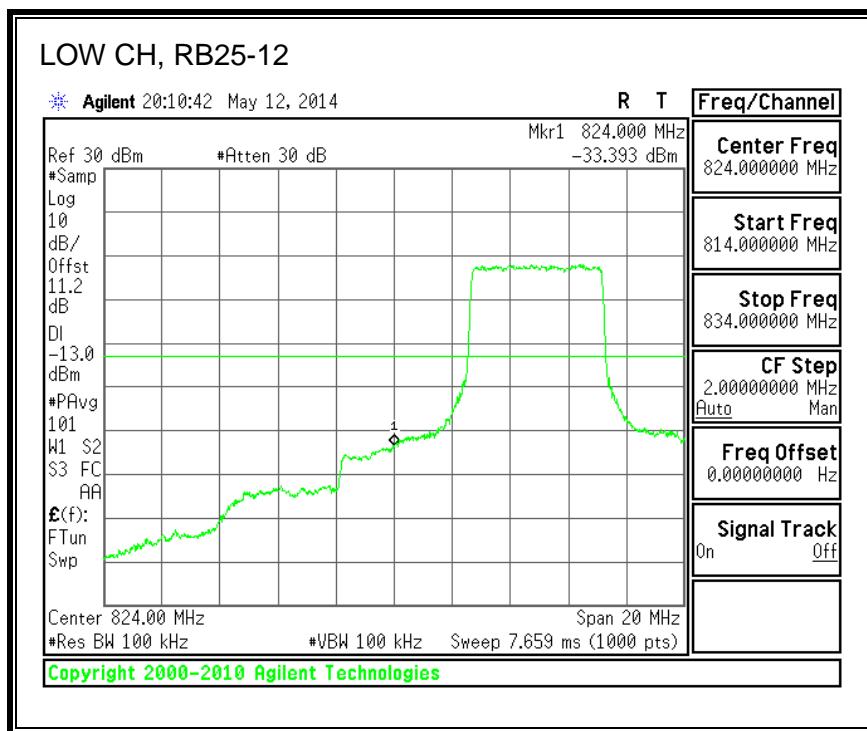
Freq/Channel	
Center Freq	849.000000 MHz
Start Freq	844.000000 MHz
Stop Freq	854.000000 MHz
CF Step	1.00000000 MHz
	Auto Man
Freq Offset	0.00000000 Hz
Signal Track	On Off

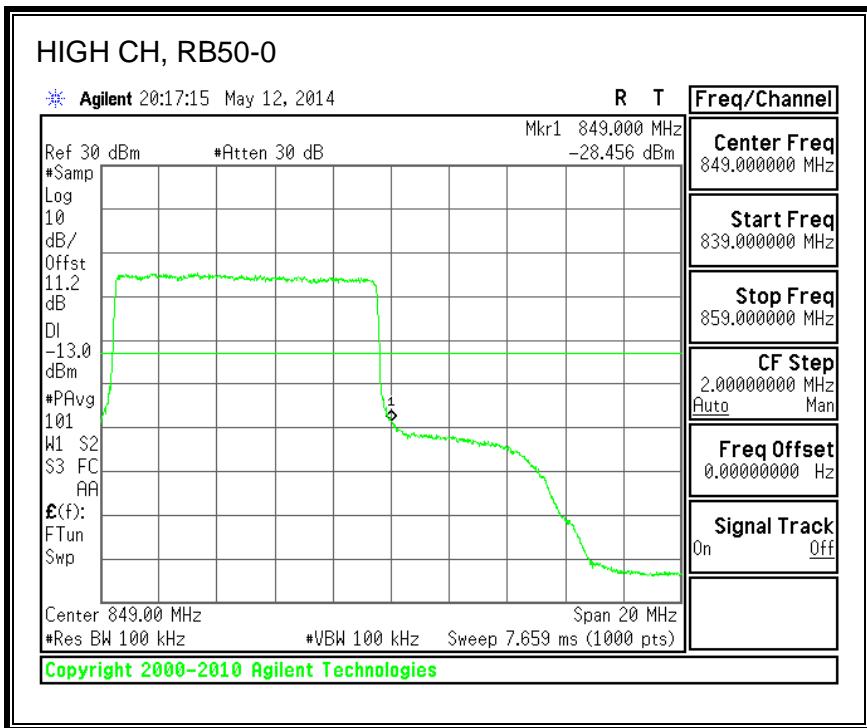
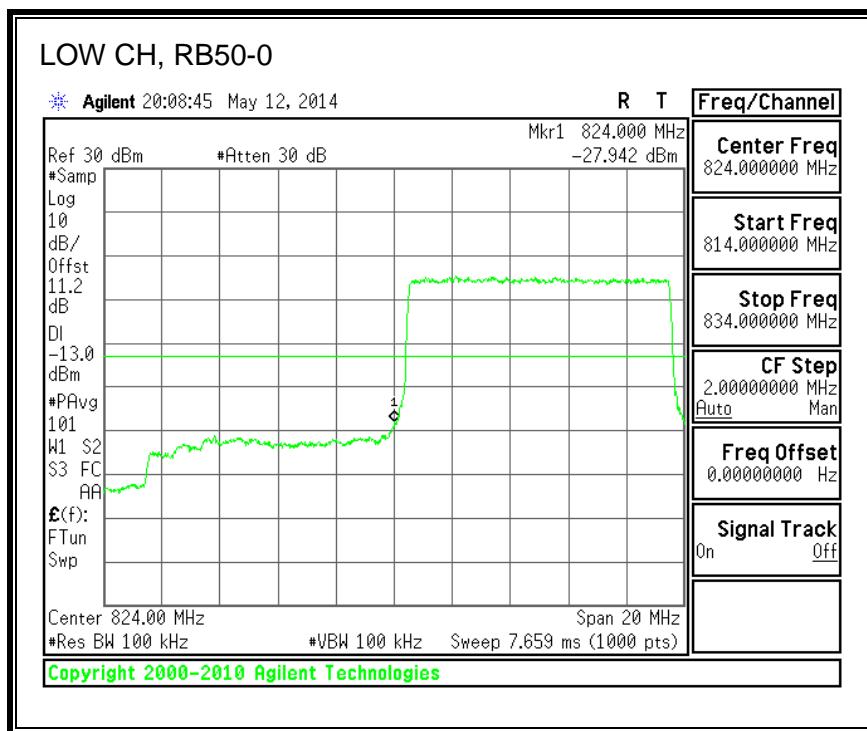
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**QPSK, (10.0 MHz BAND WIDTH)**

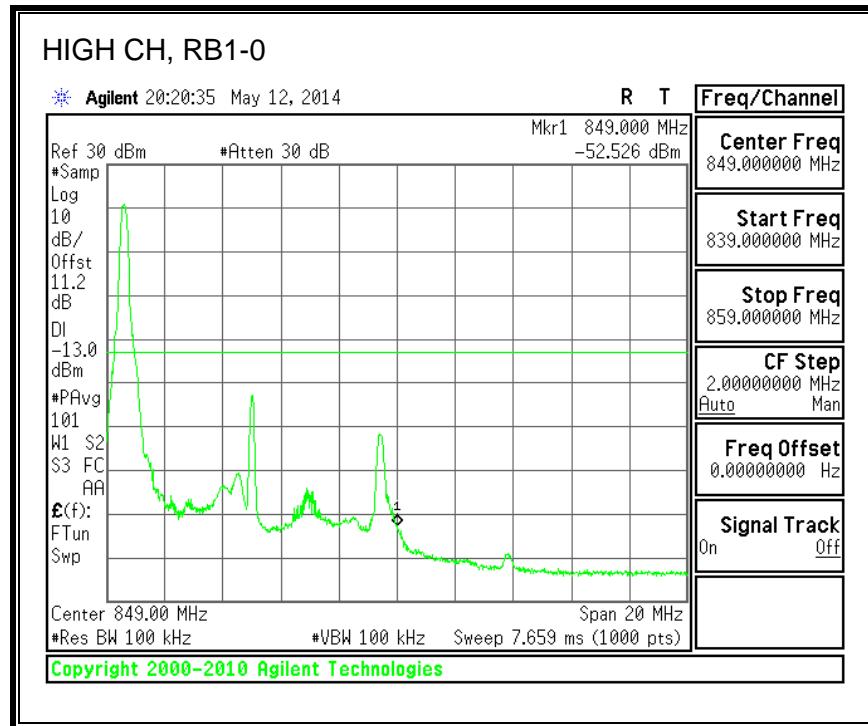
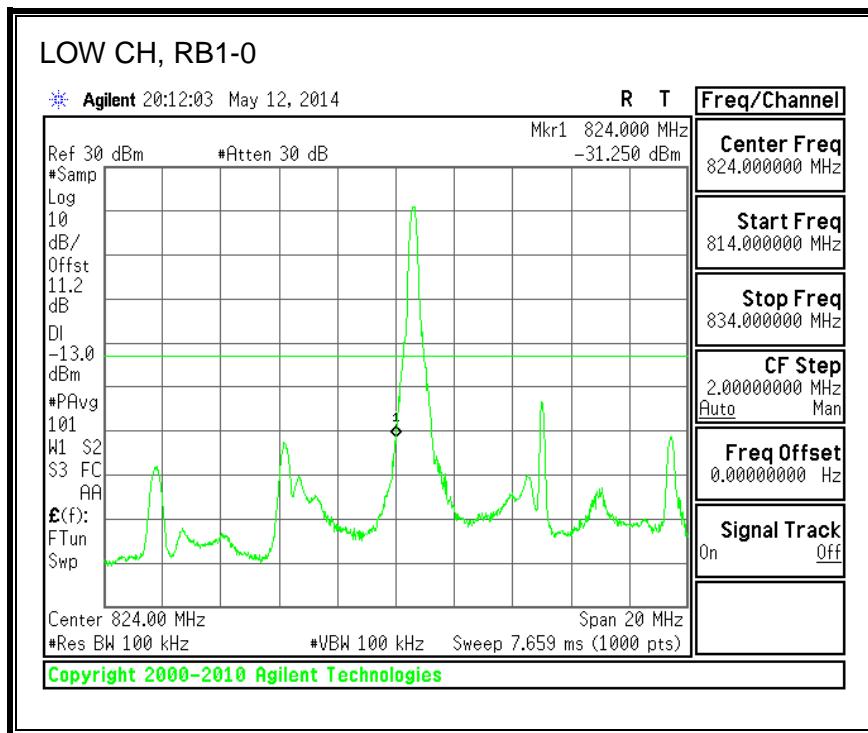


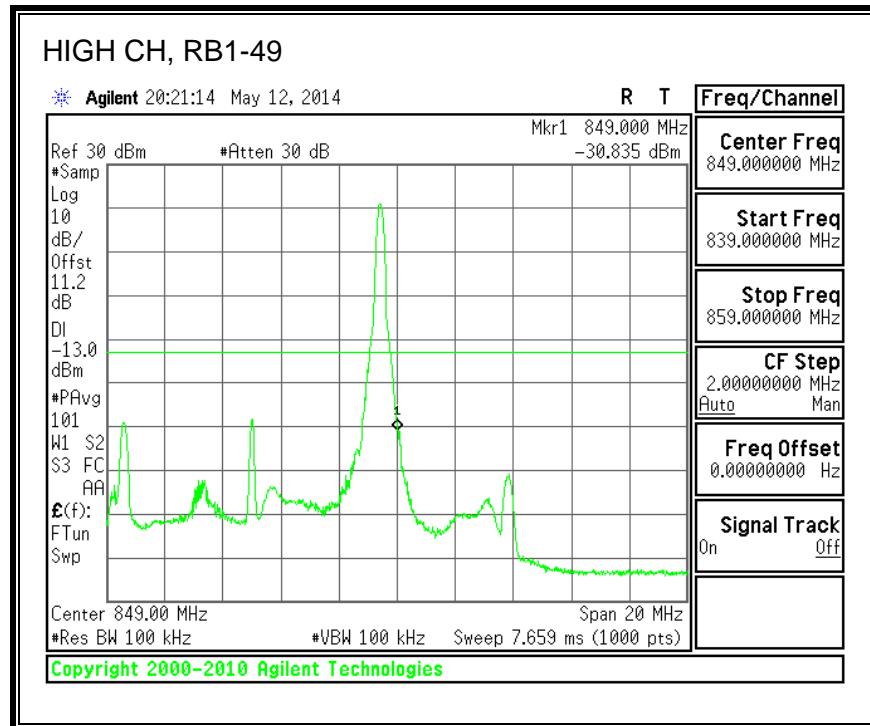
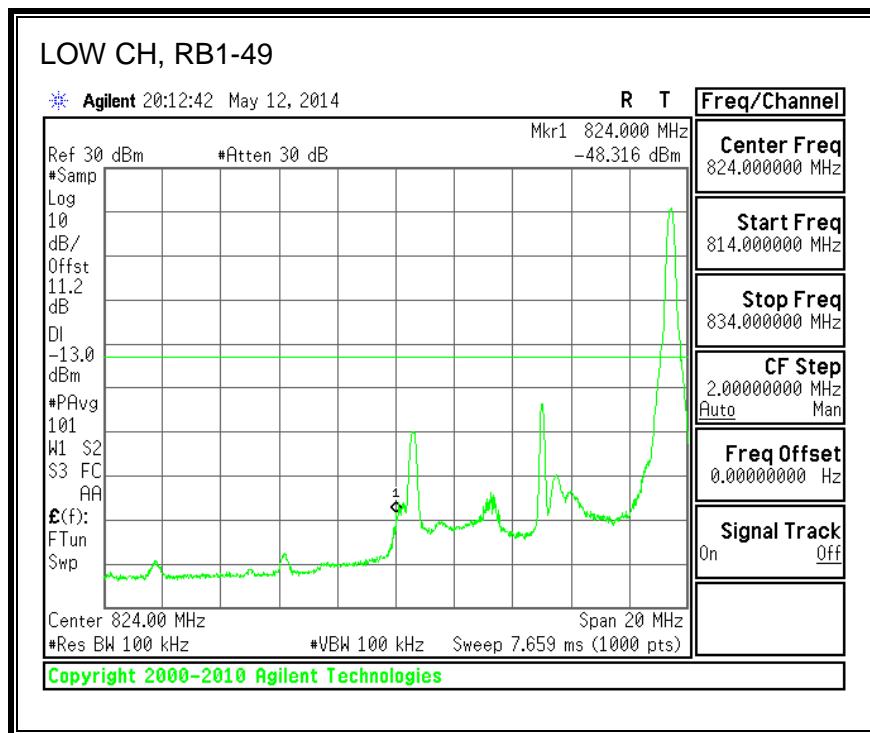


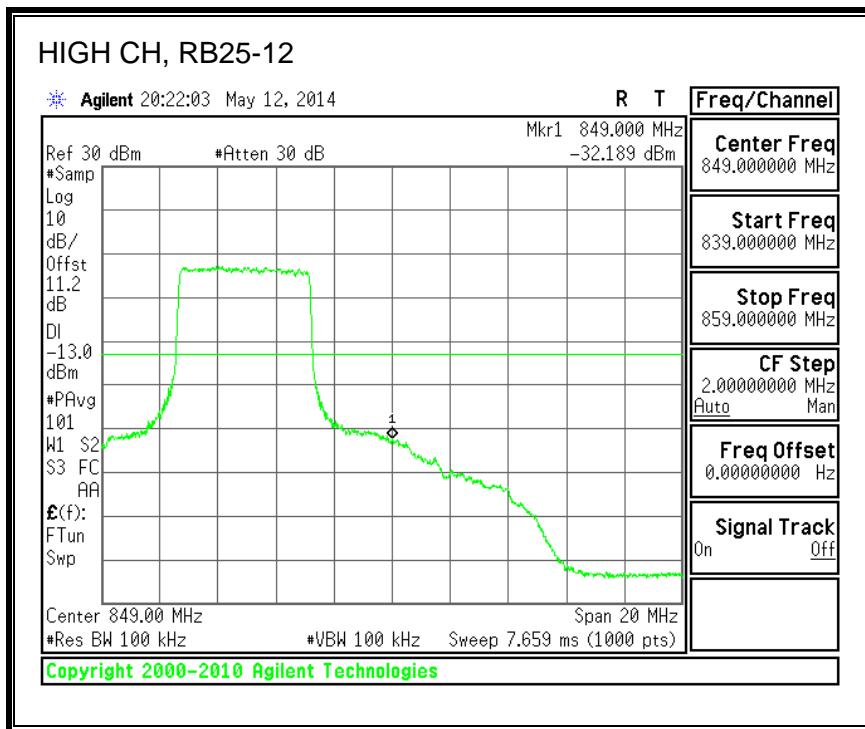
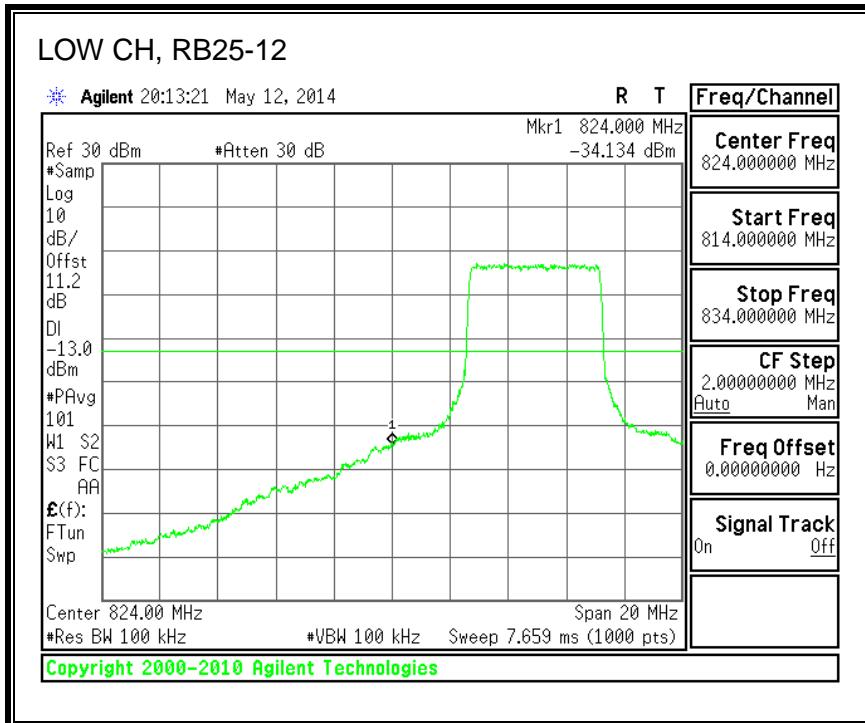


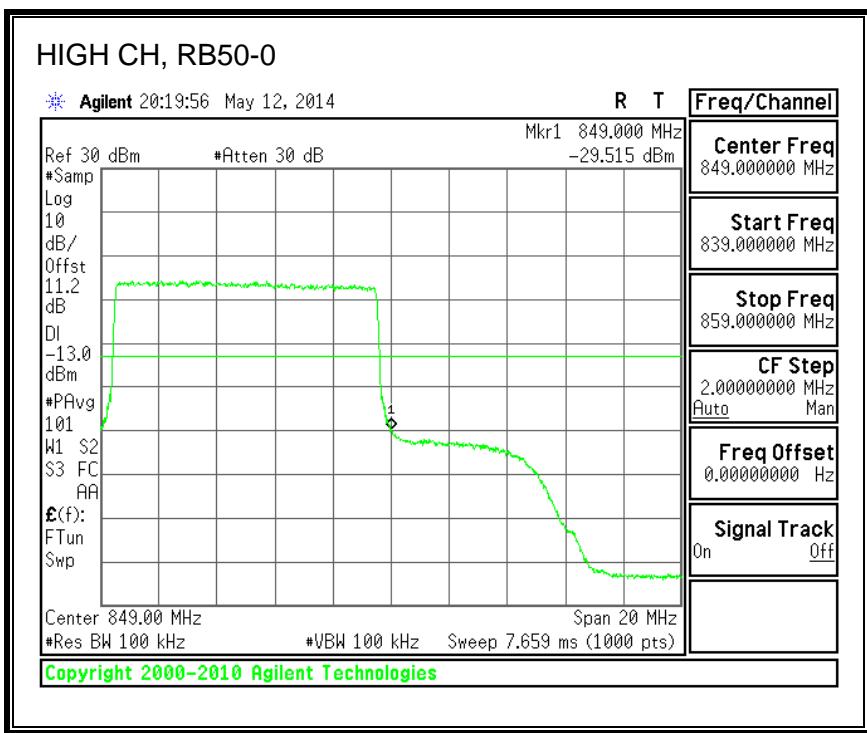
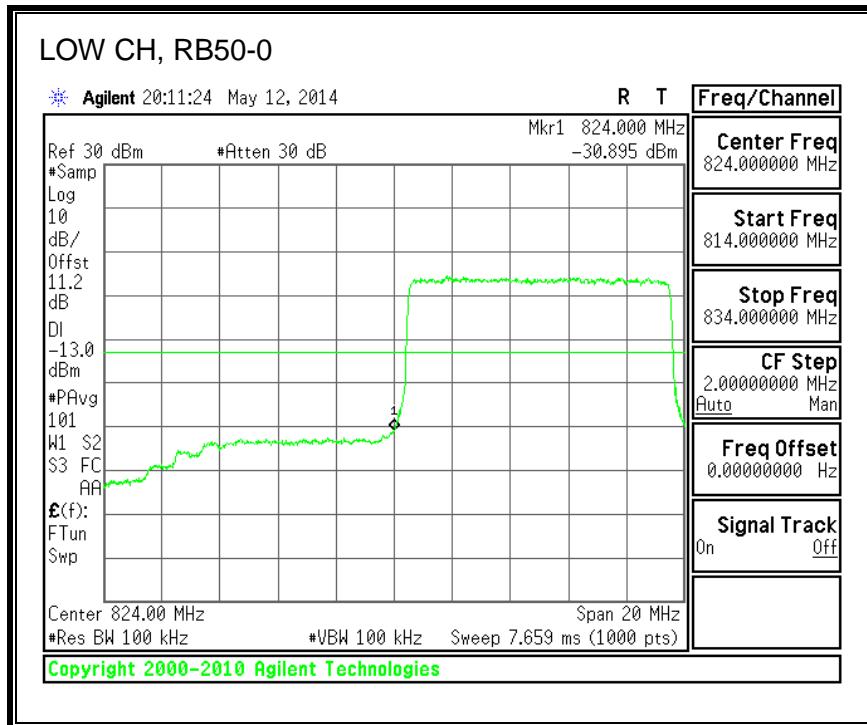


**16QAM, (10.0 MHz BAND WIDTH)**



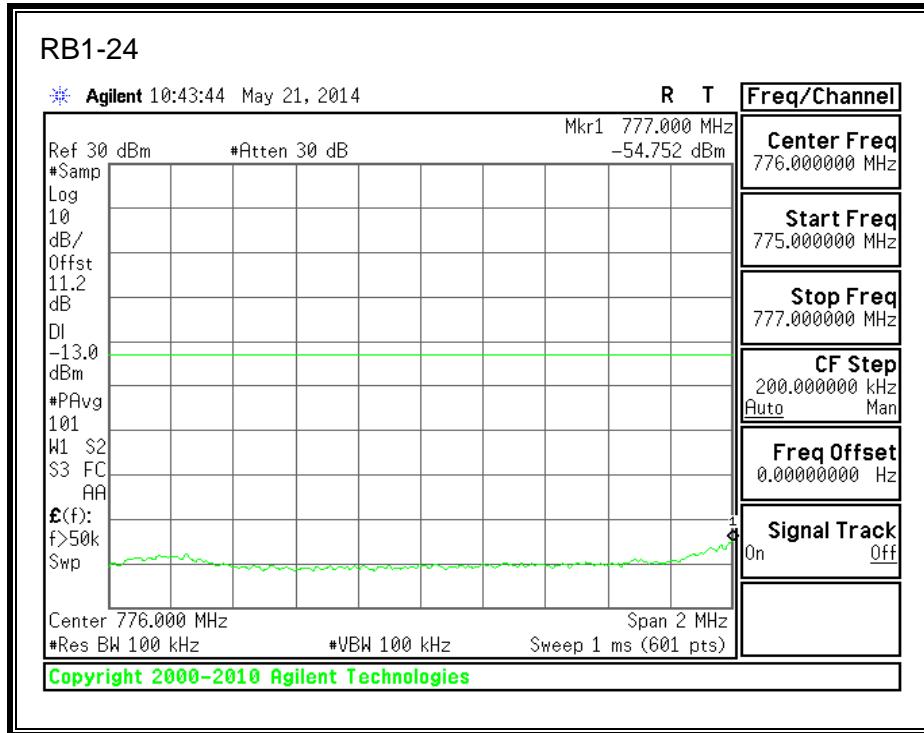
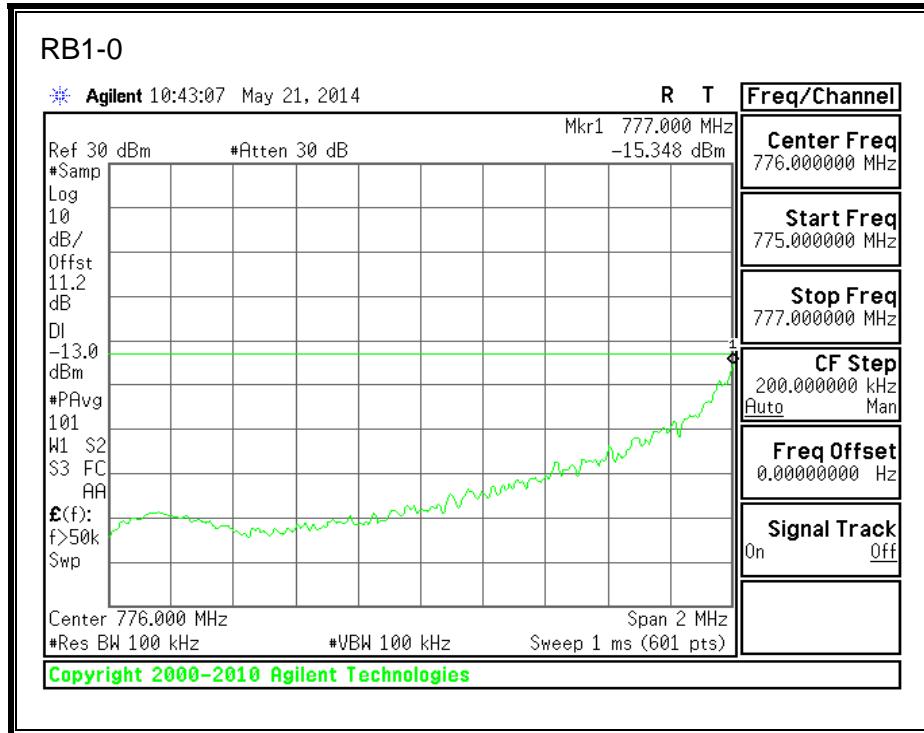


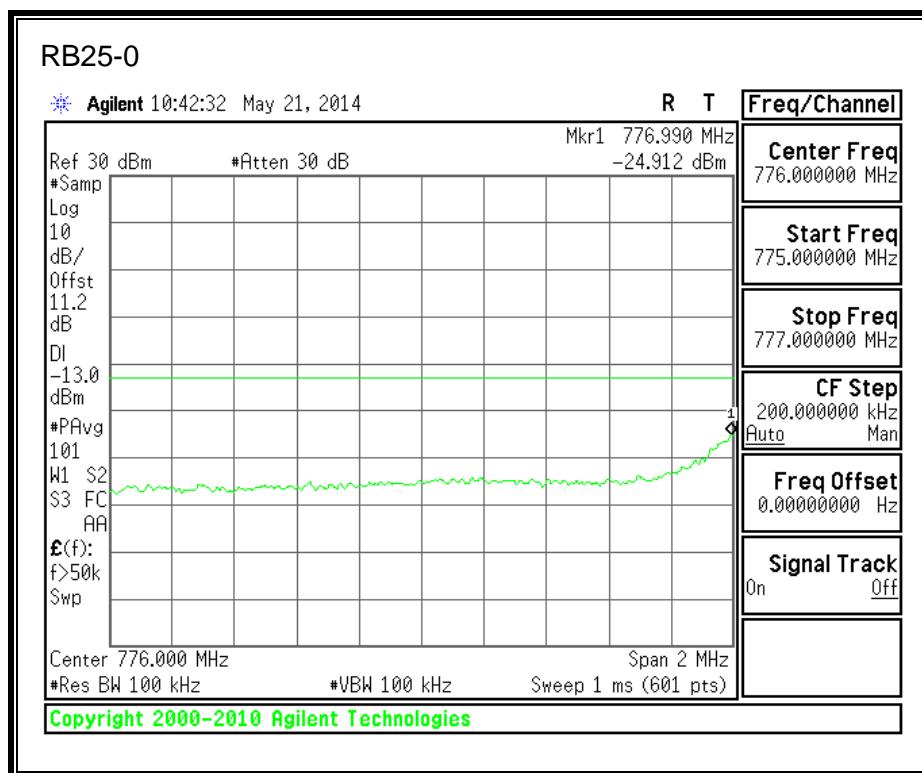
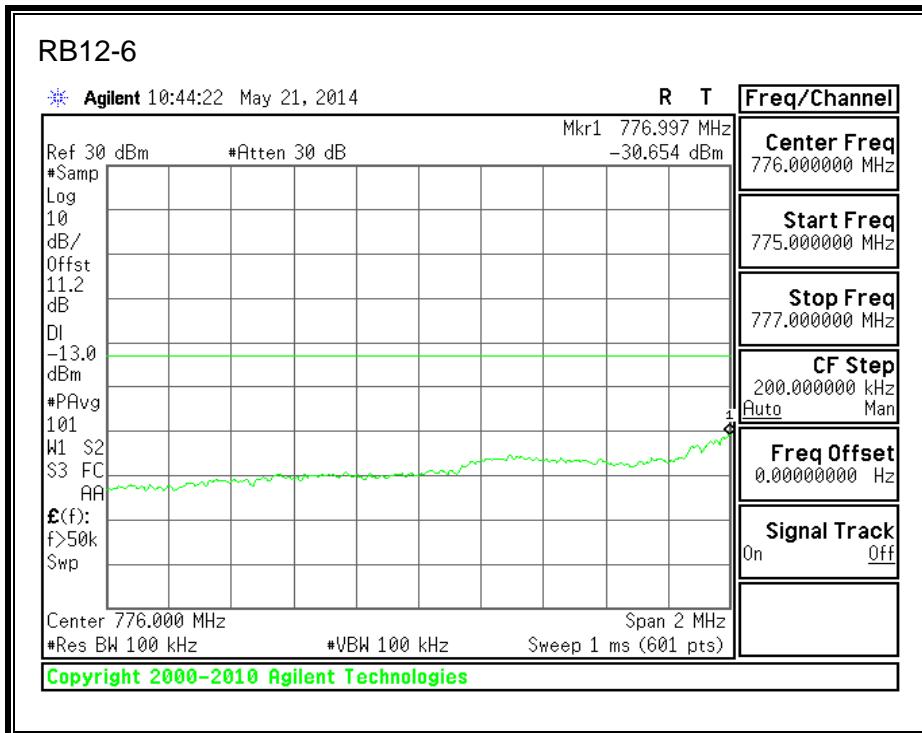




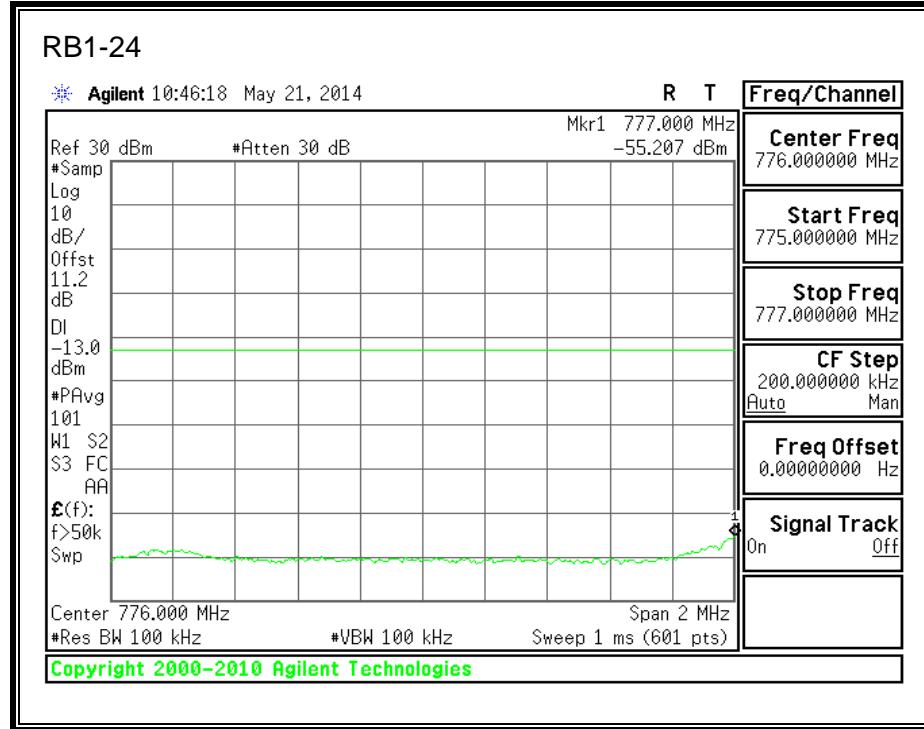
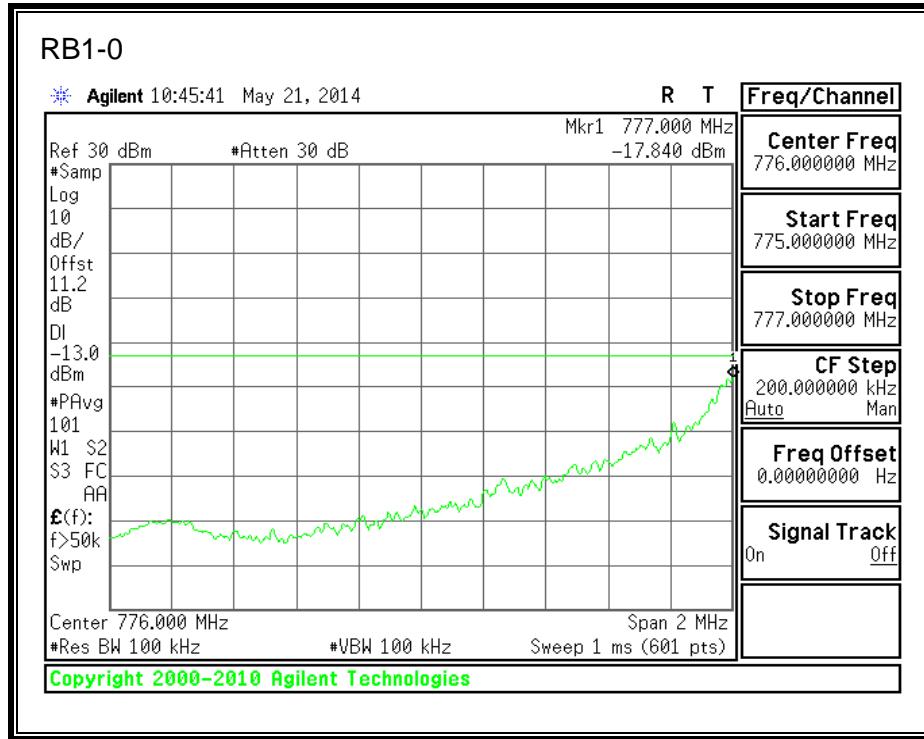
## 8.2.4. LTE BAND 13 BANDEDGE

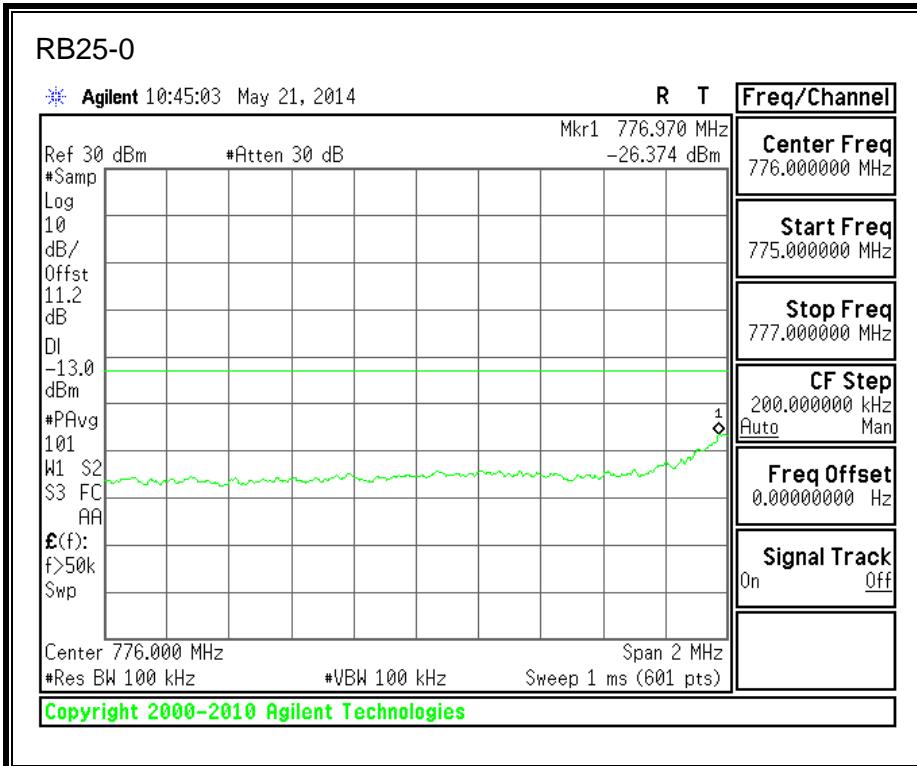
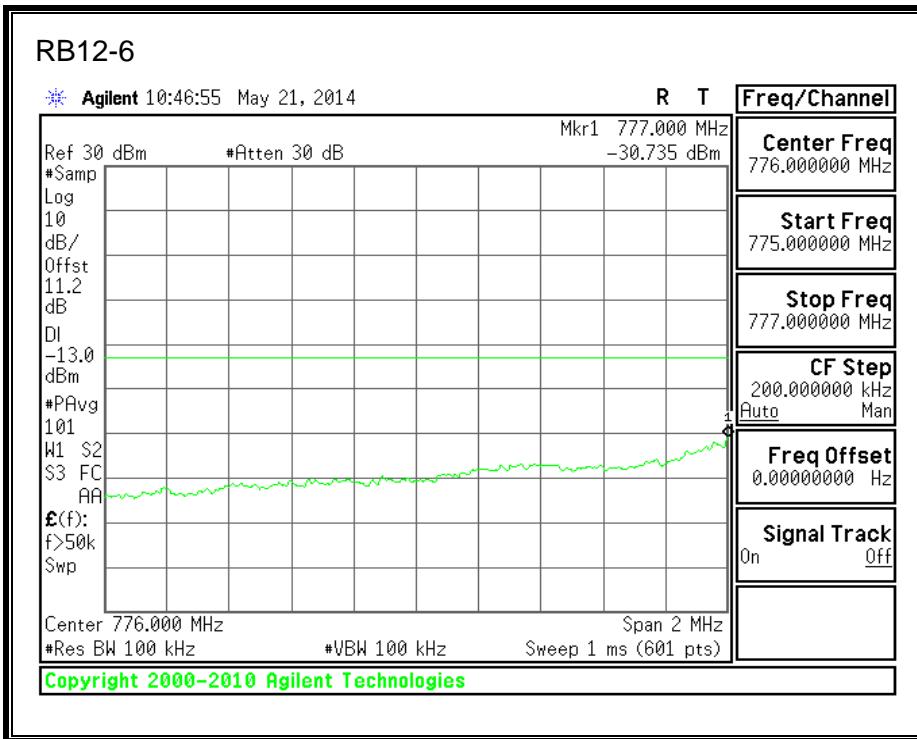
### QPSK, 779.5 MHz, 775 – 777MHz, (5.0MHz Bandwidth)



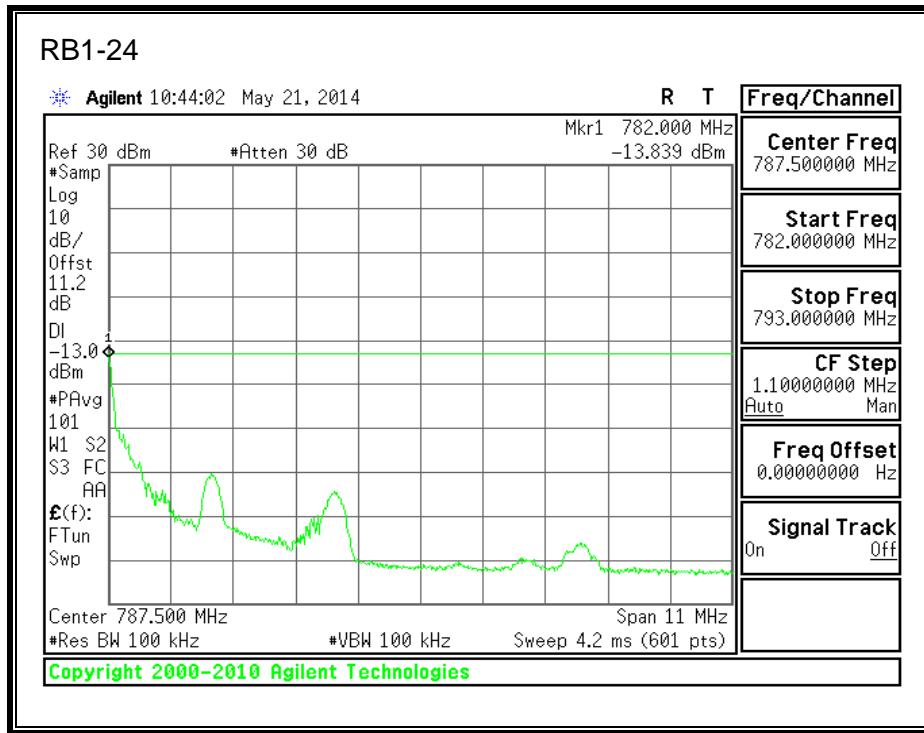
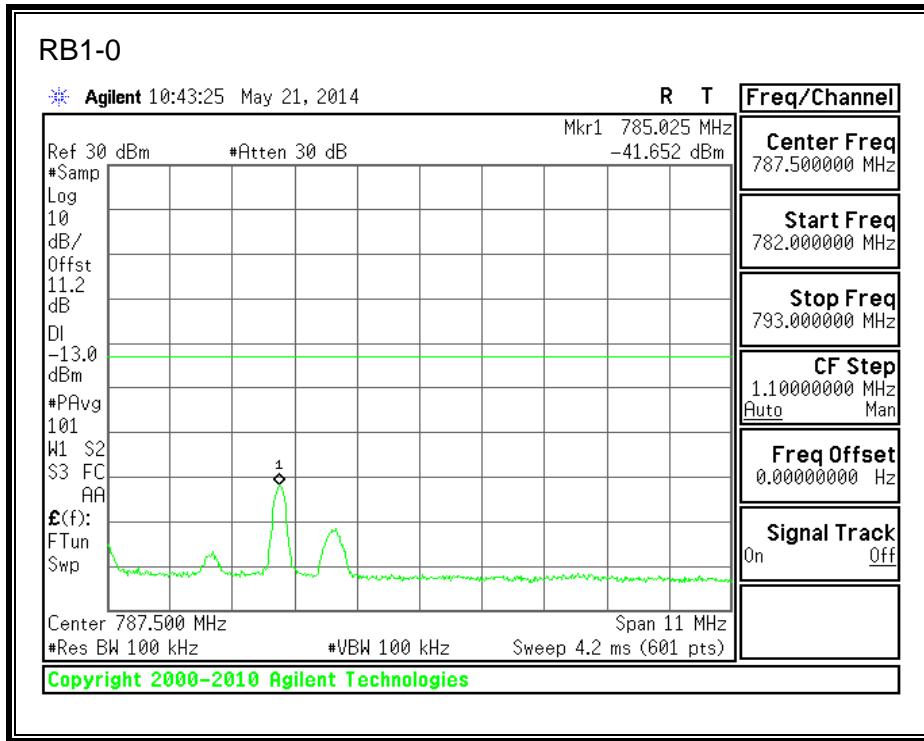


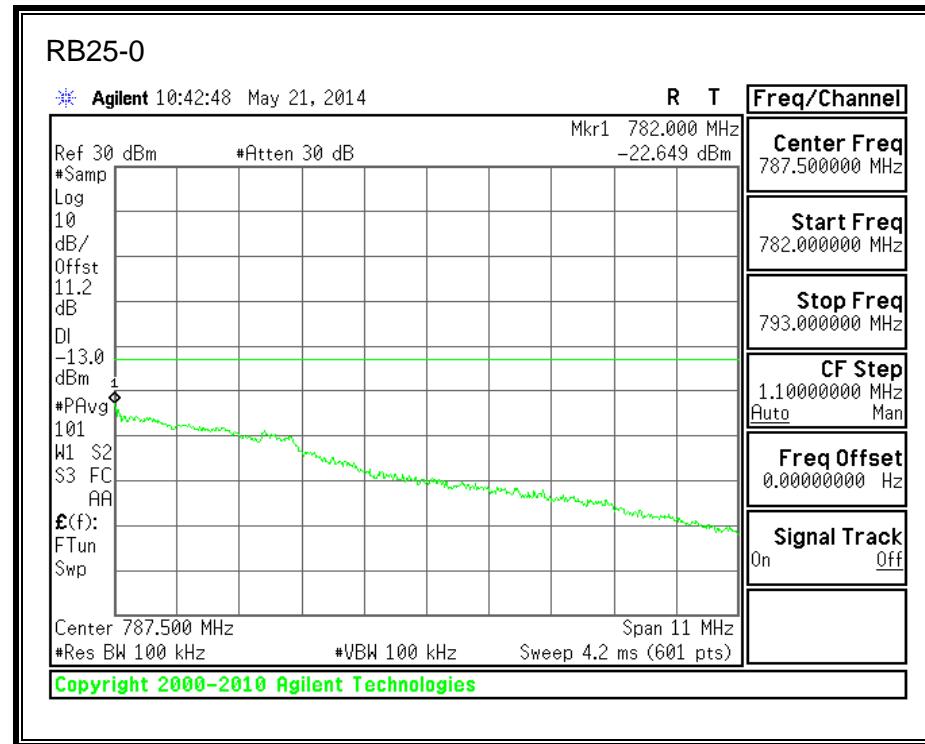
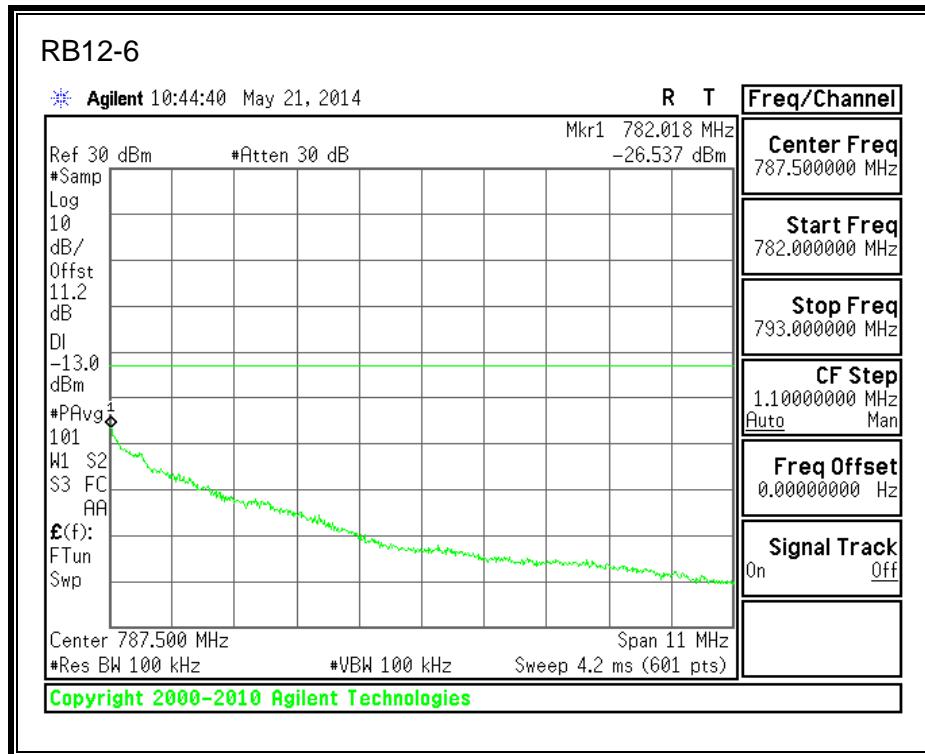
**16QAM, 779.5MHz, 775 - 777MHz, (5MHz Bandwidth)**



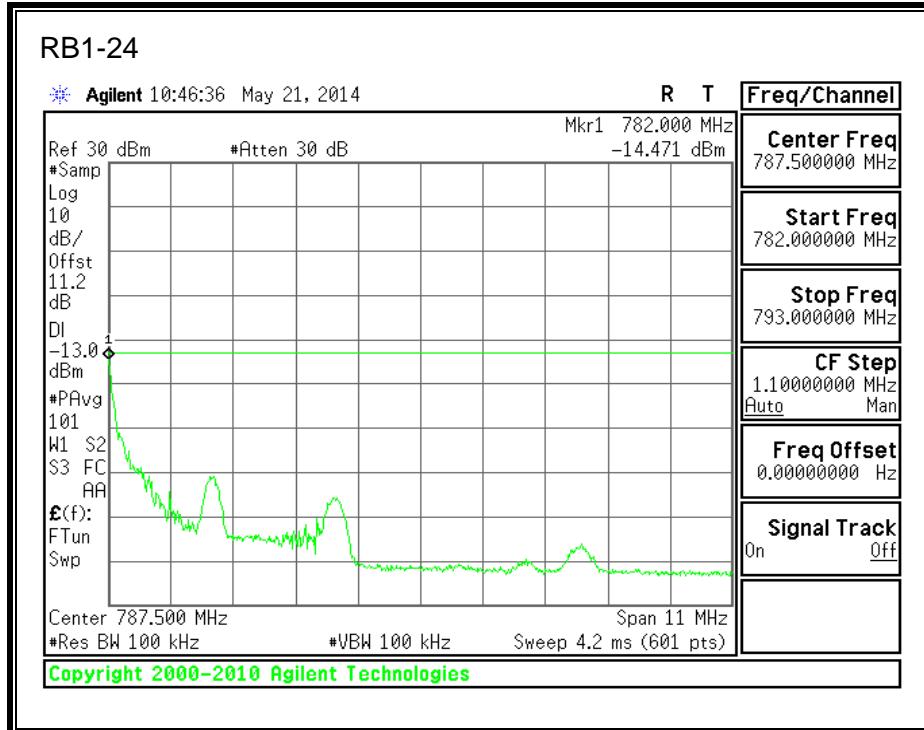
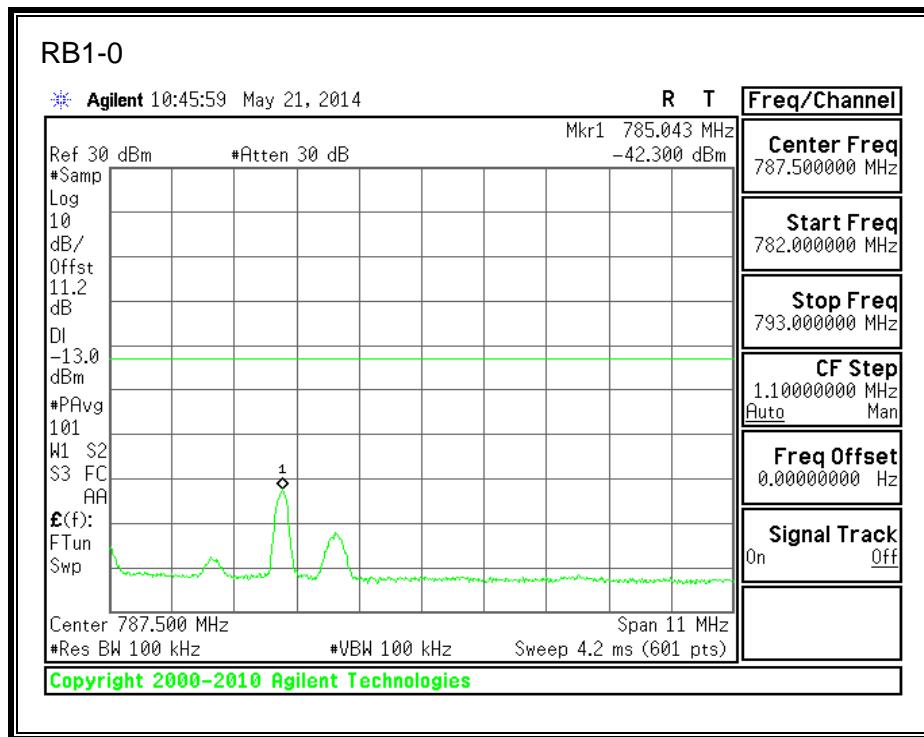


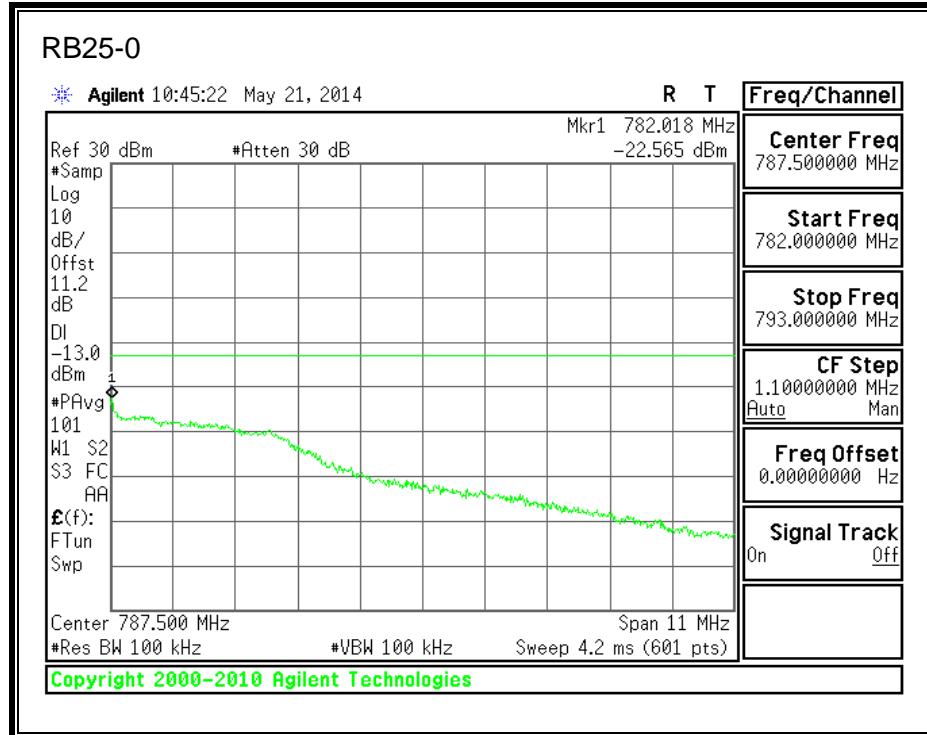
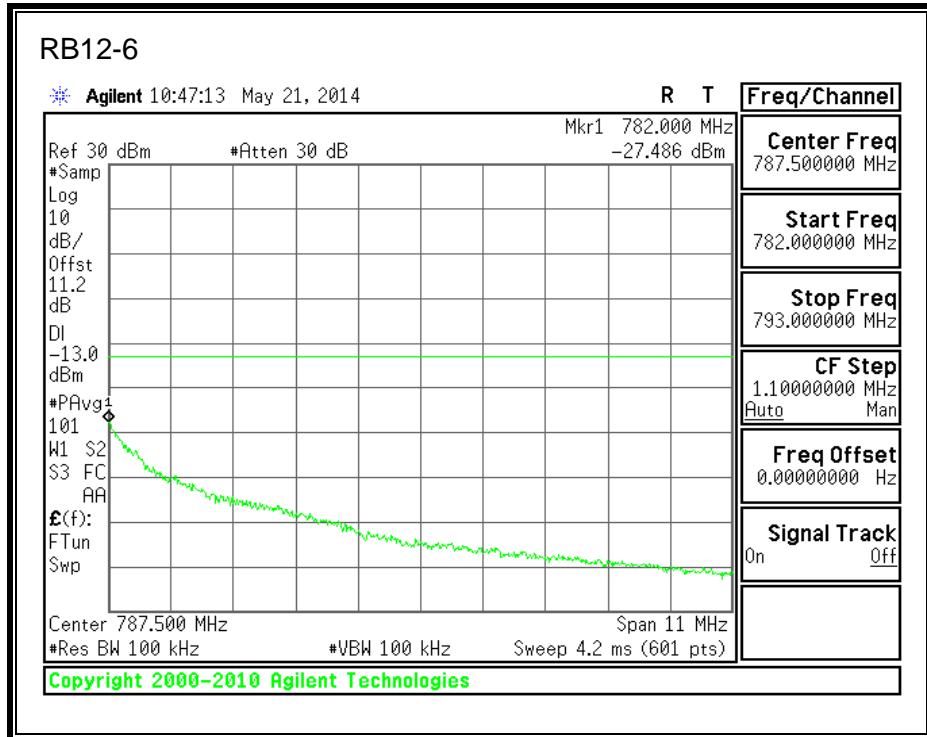
**QPSK, 779.5MHz, 13, 782 - 793MHz, (5MHz Bandwidth)**



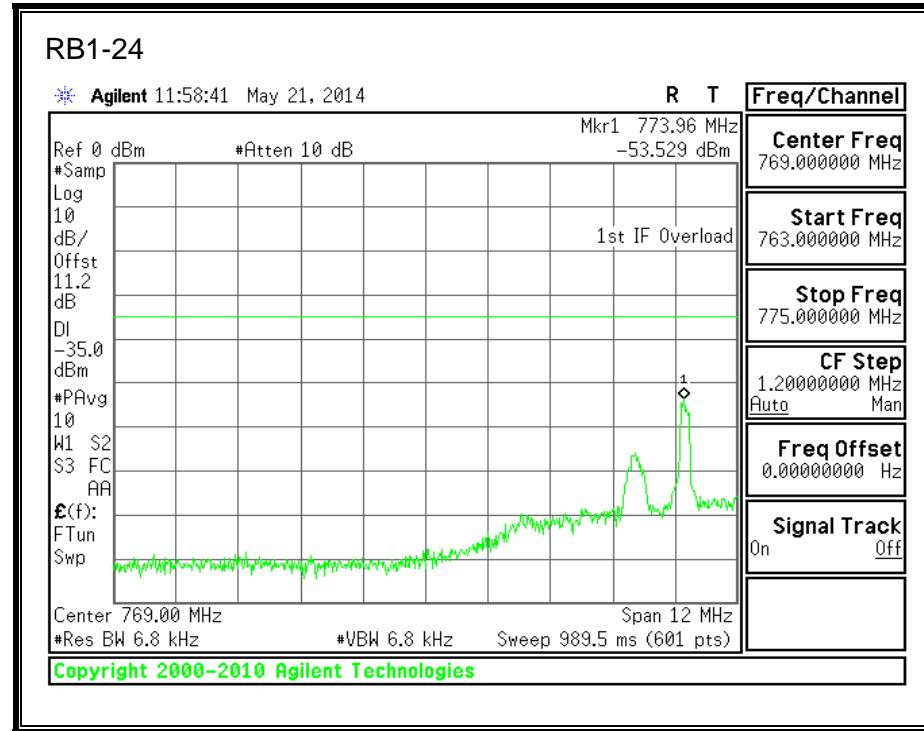
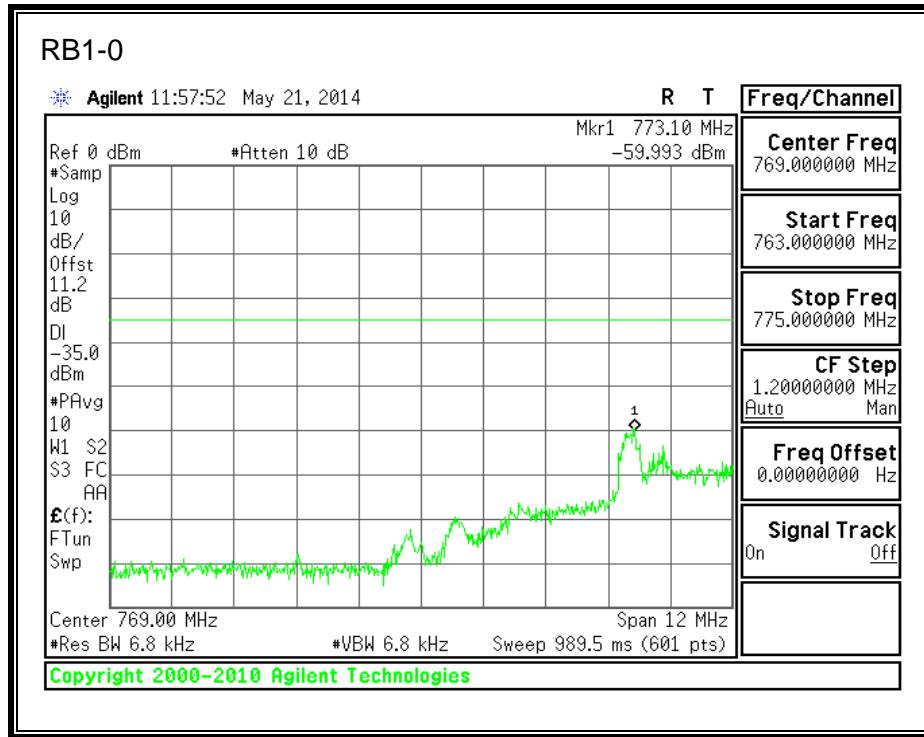


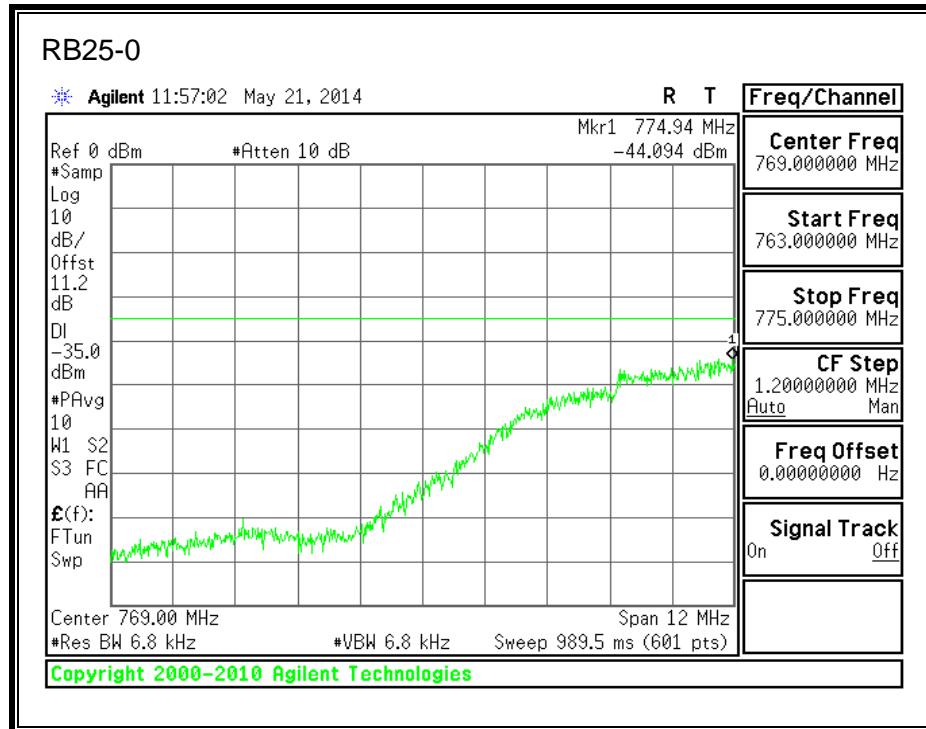
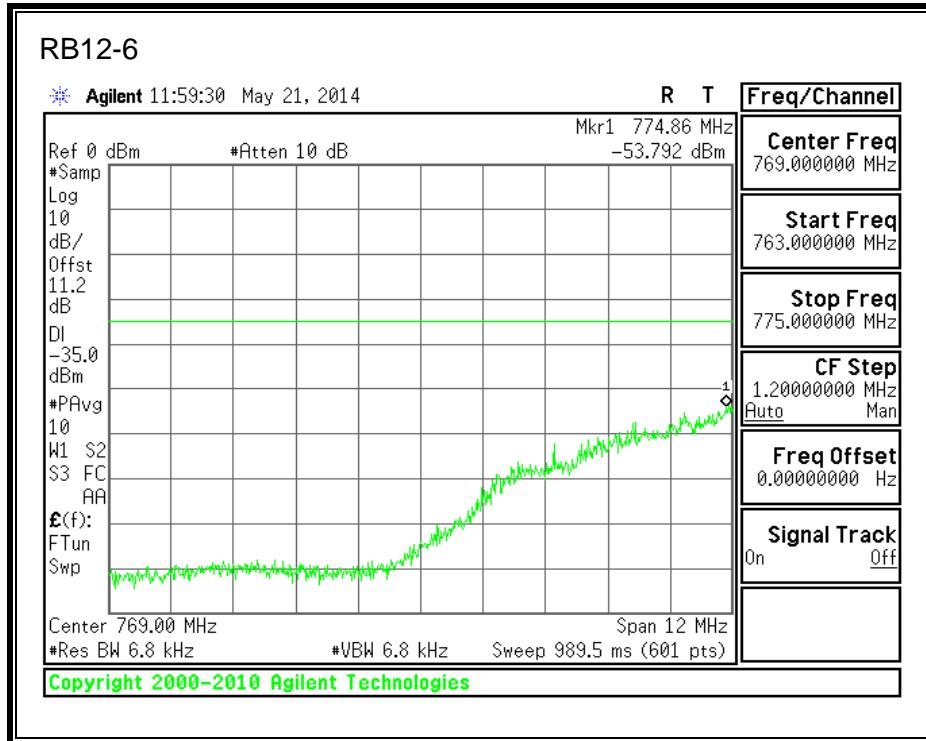
16QAM, 779.5MHz, 782 - 793MHz, (5MHz Bandwidth)



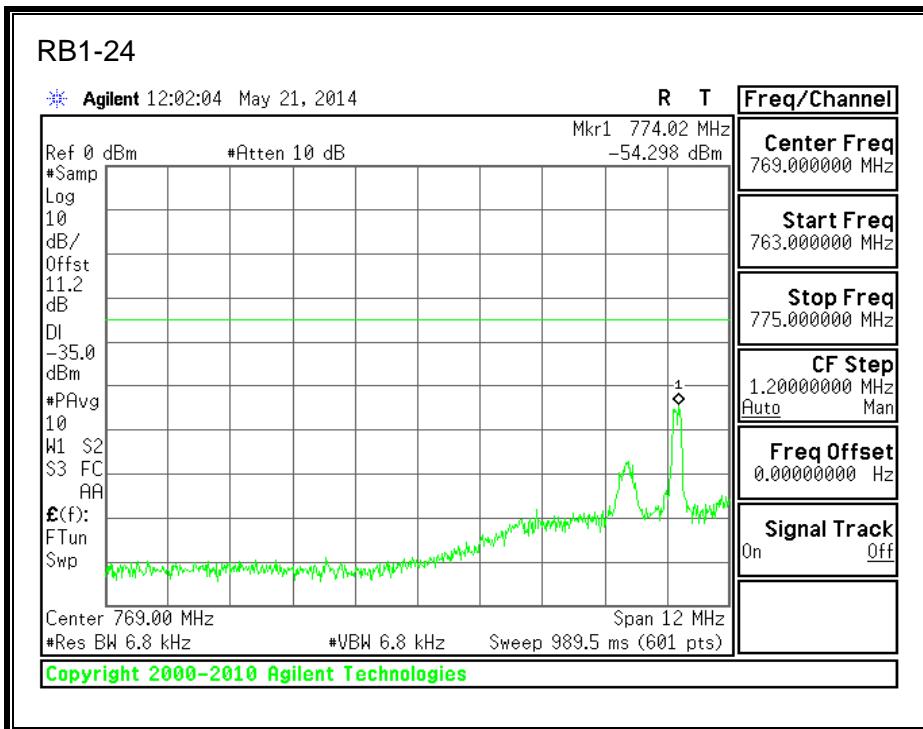
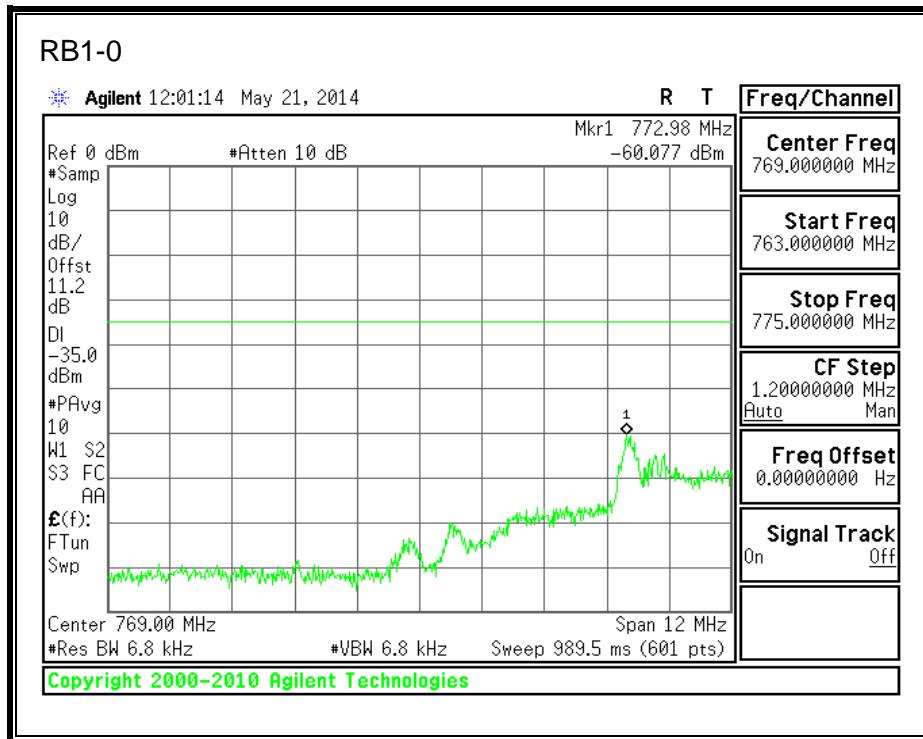


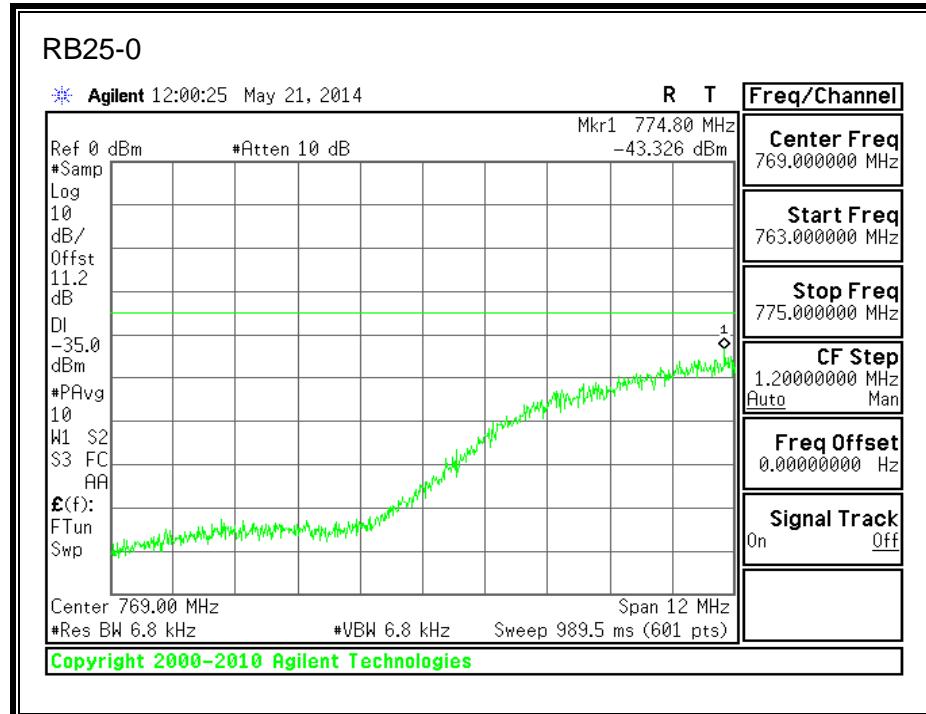
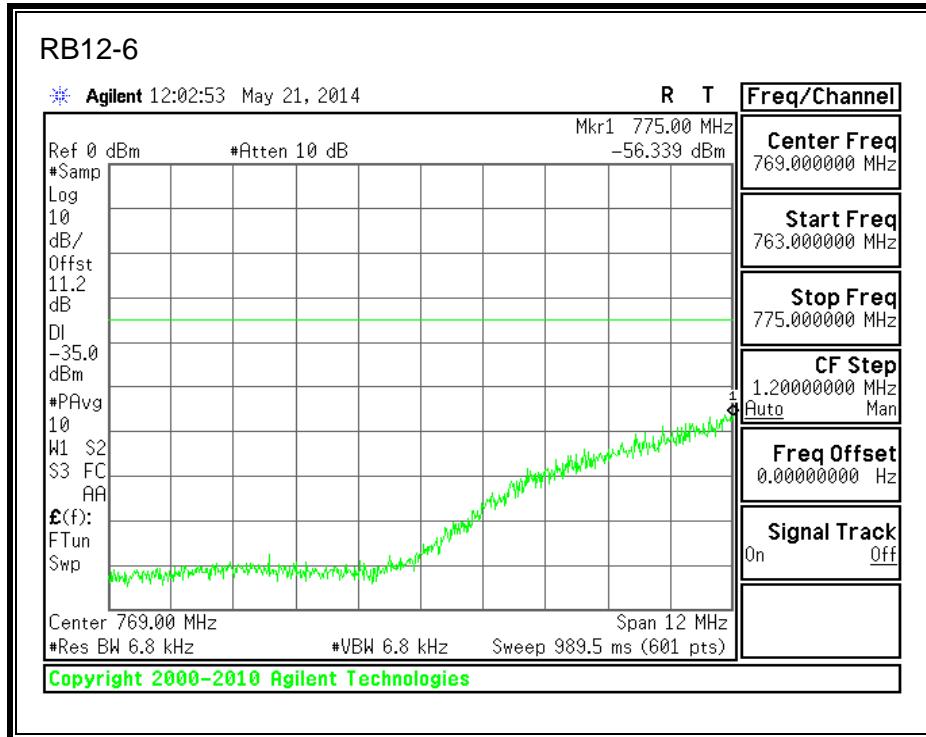
**QPSK, 779.5MHz, 763 - 775MHz, (5MHz Bandwidth)**



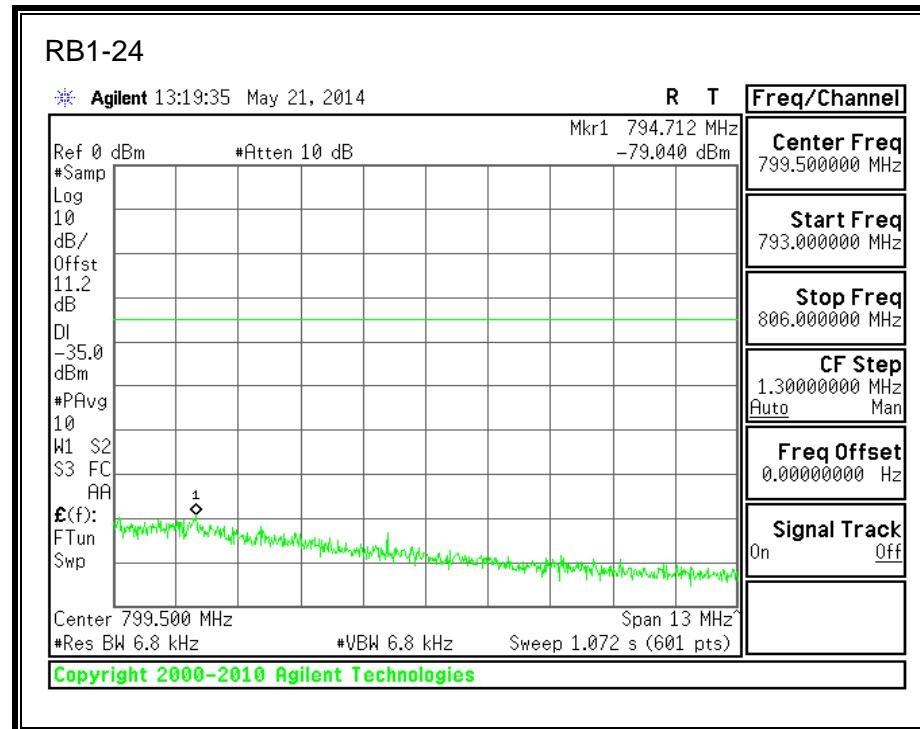
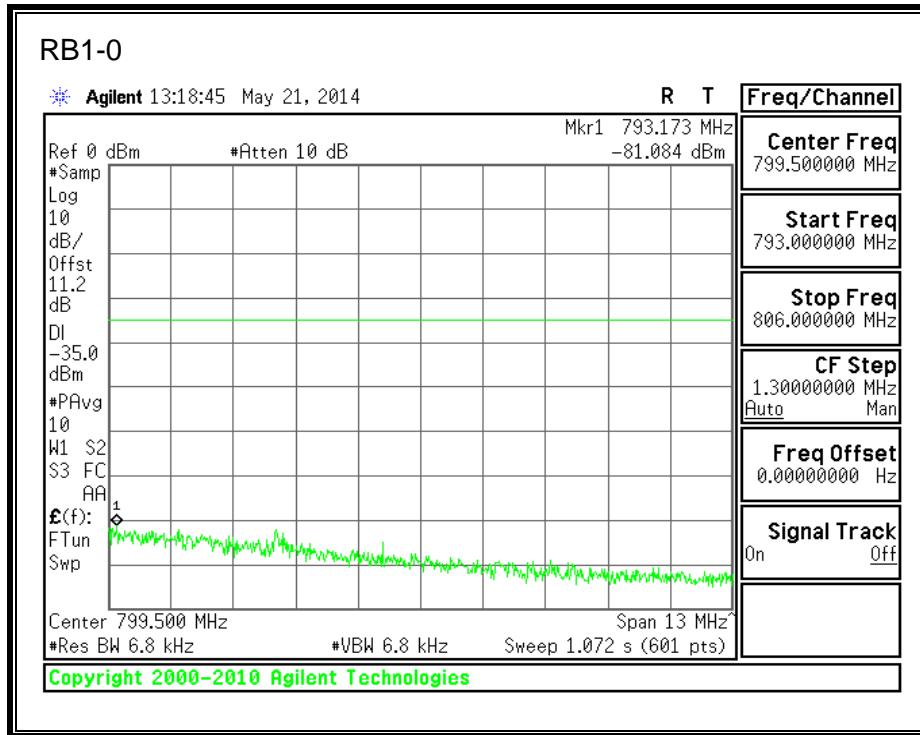


**16QAM, 779.5MHz, 763-775MHz, (5MHz Bandwidth)**

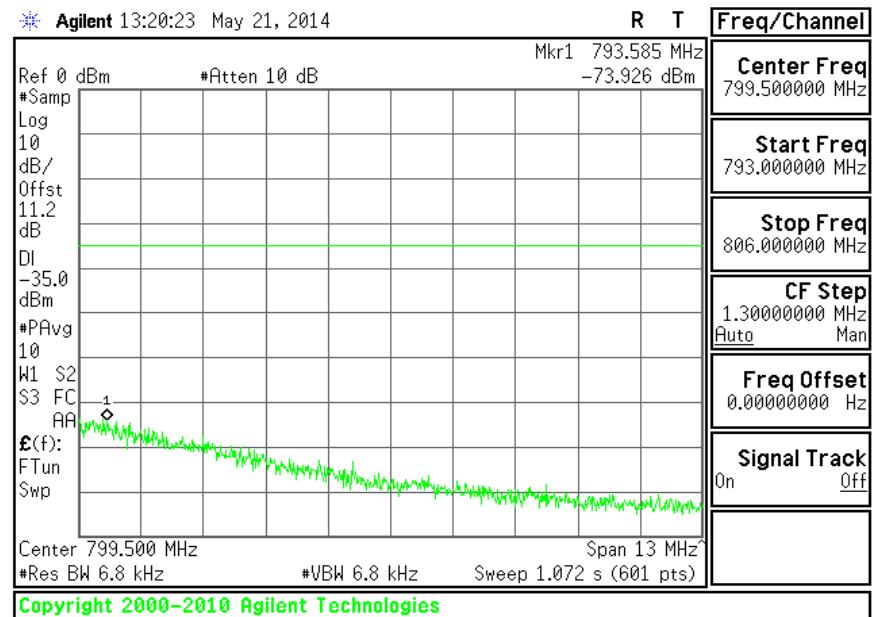




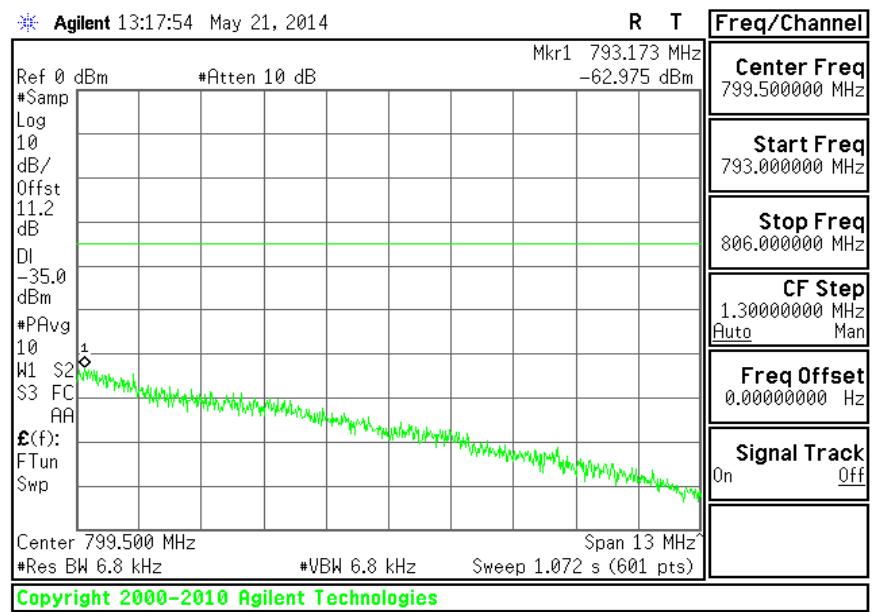
**QPSK, 779.5MHz, 793 - 806MHz, (5MHz Bandwidth)**



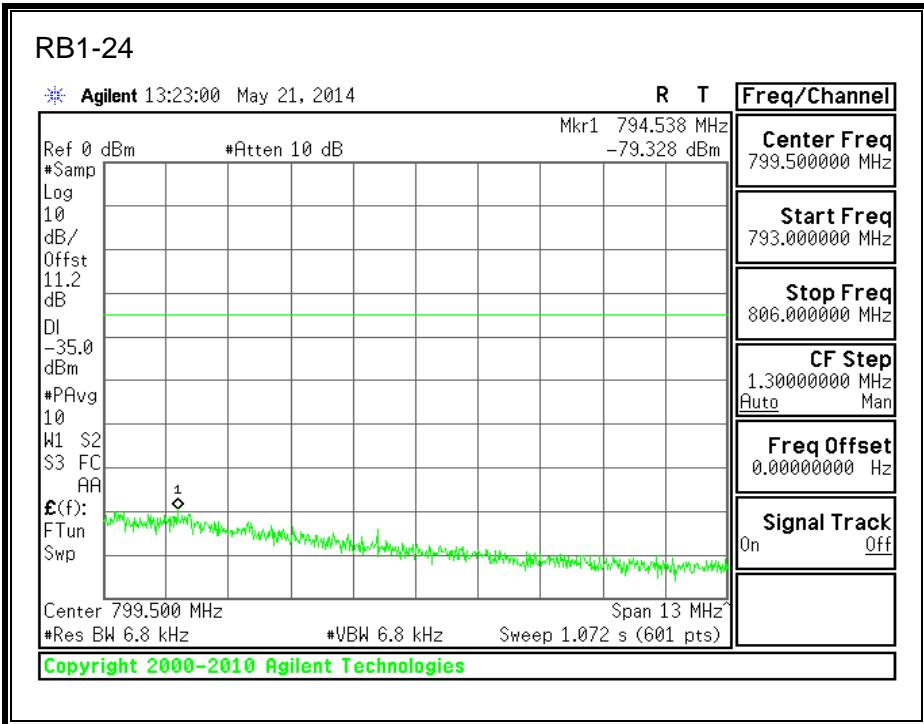
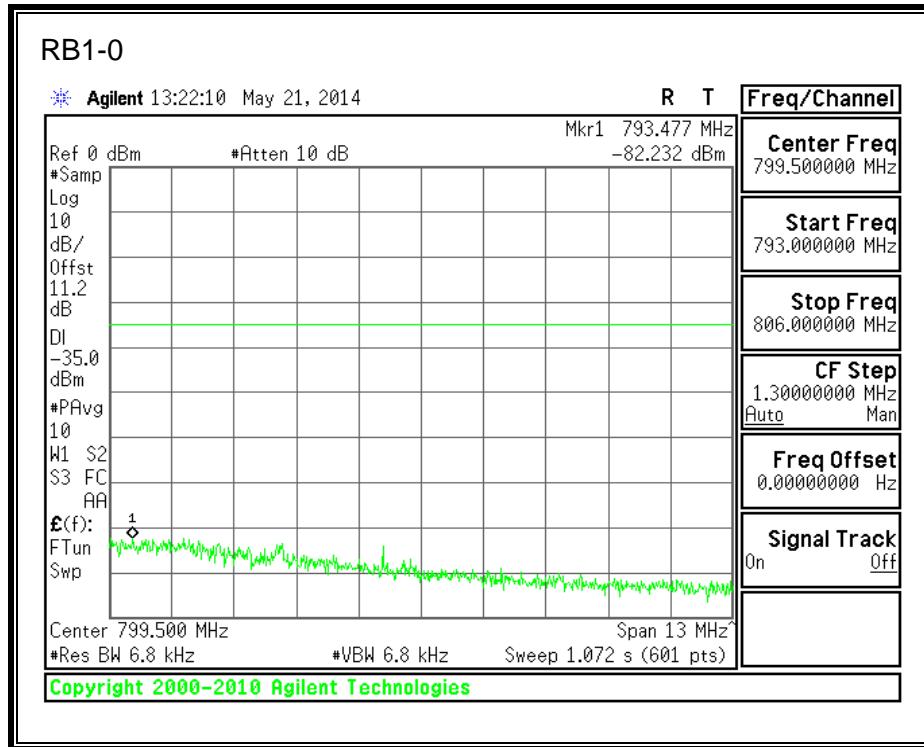
### RB12-6

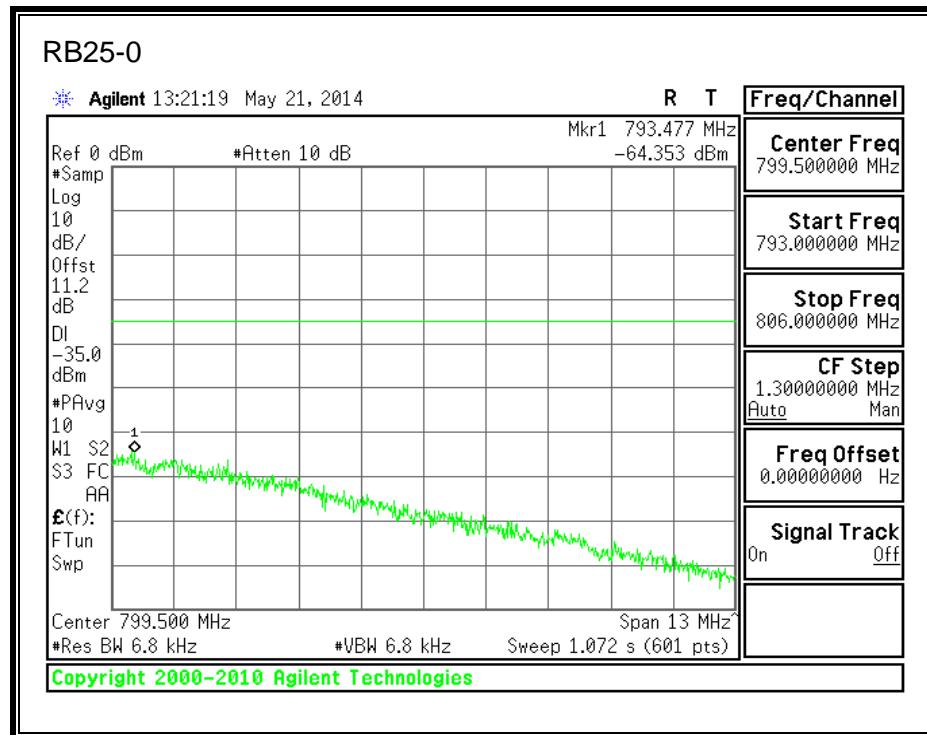
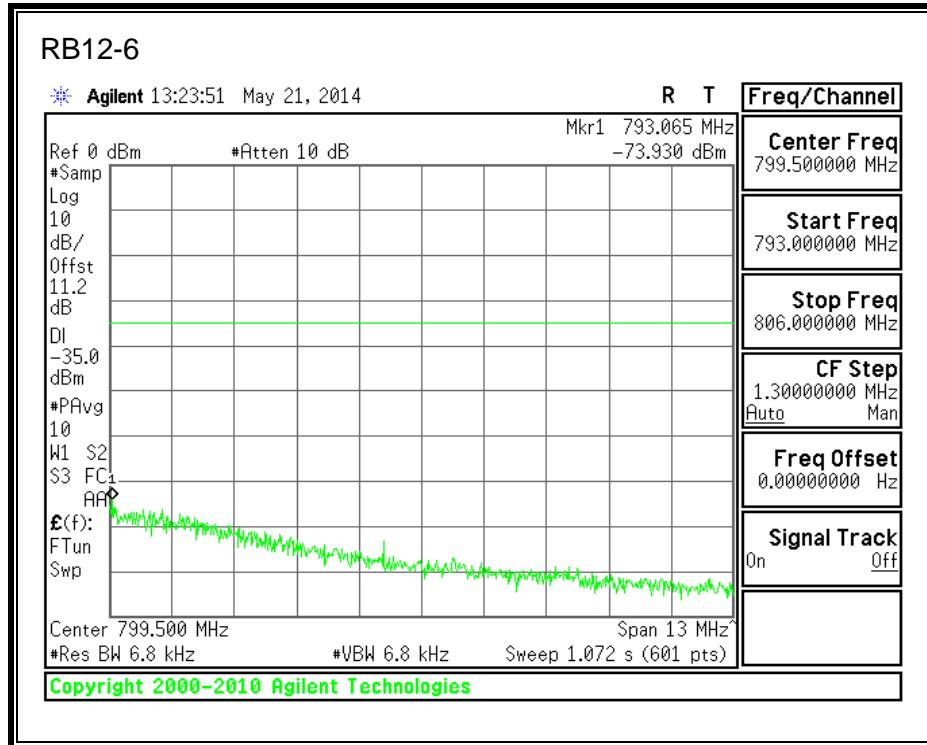


### RB25-0

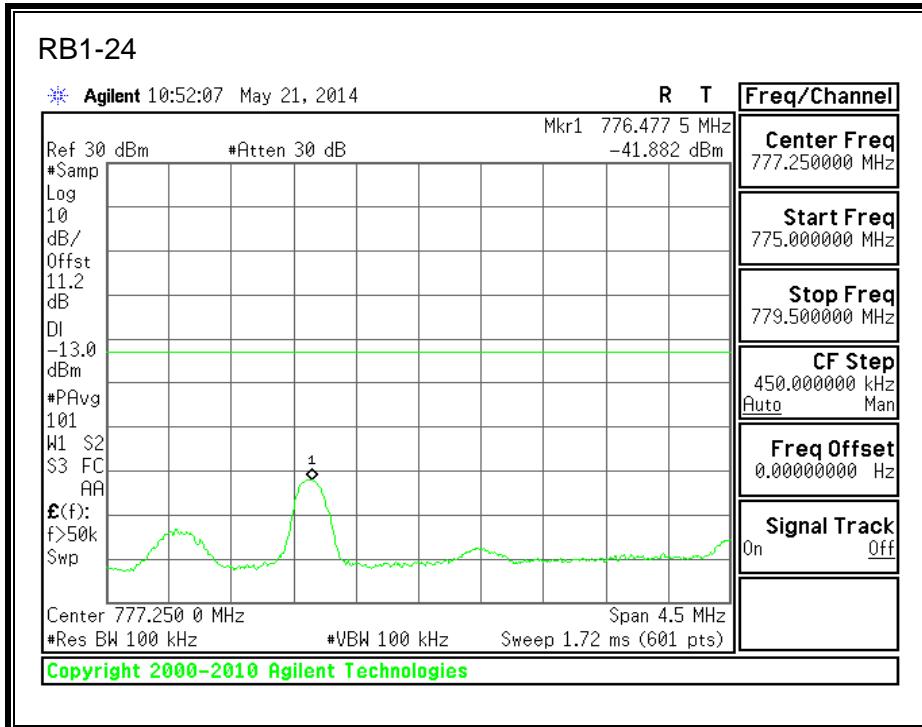
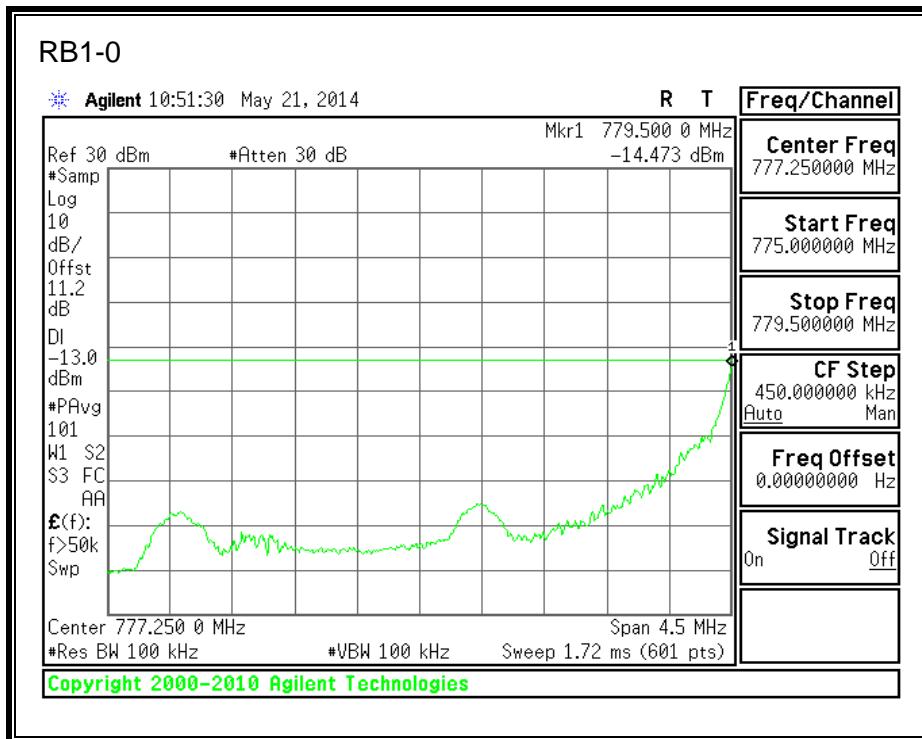


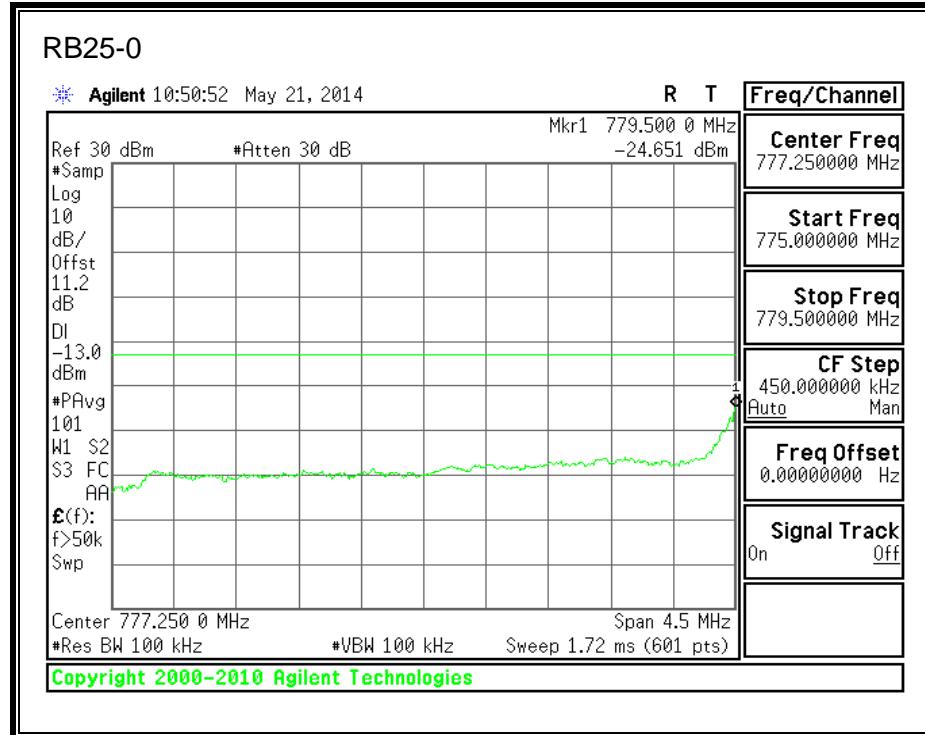
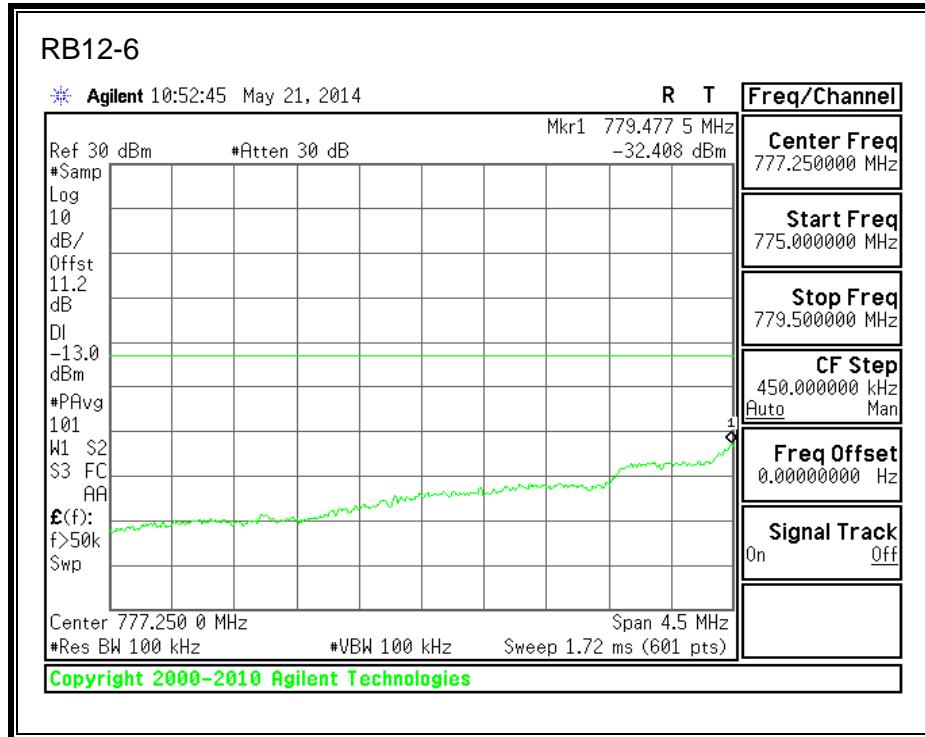
**16QAM, 779.5MHz, 793 - 806MHz, (5MHz Bandwidth)**



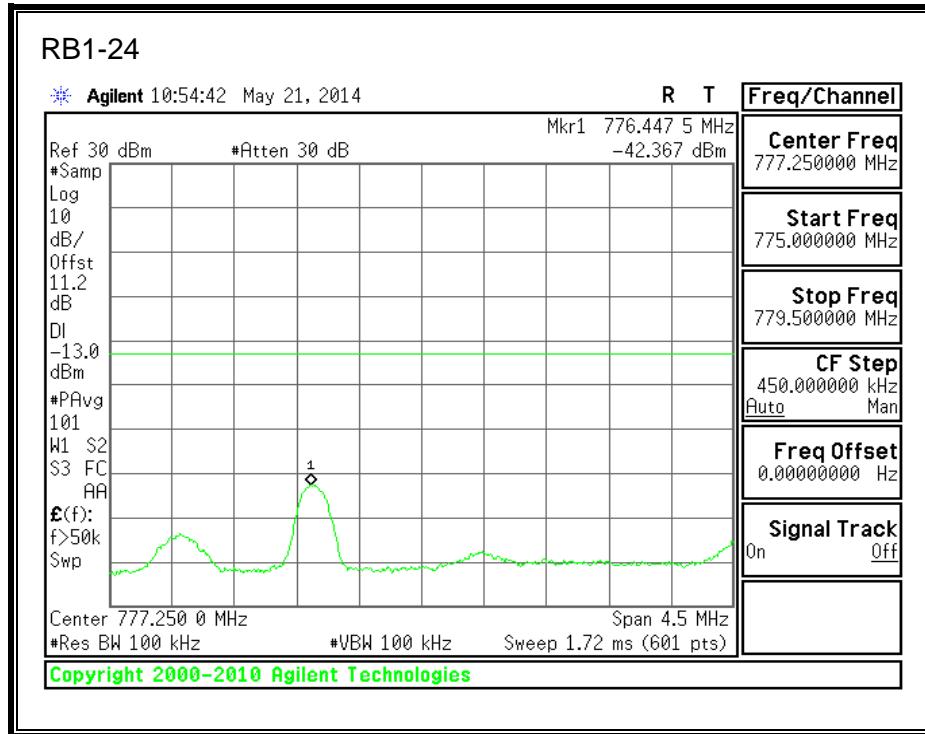
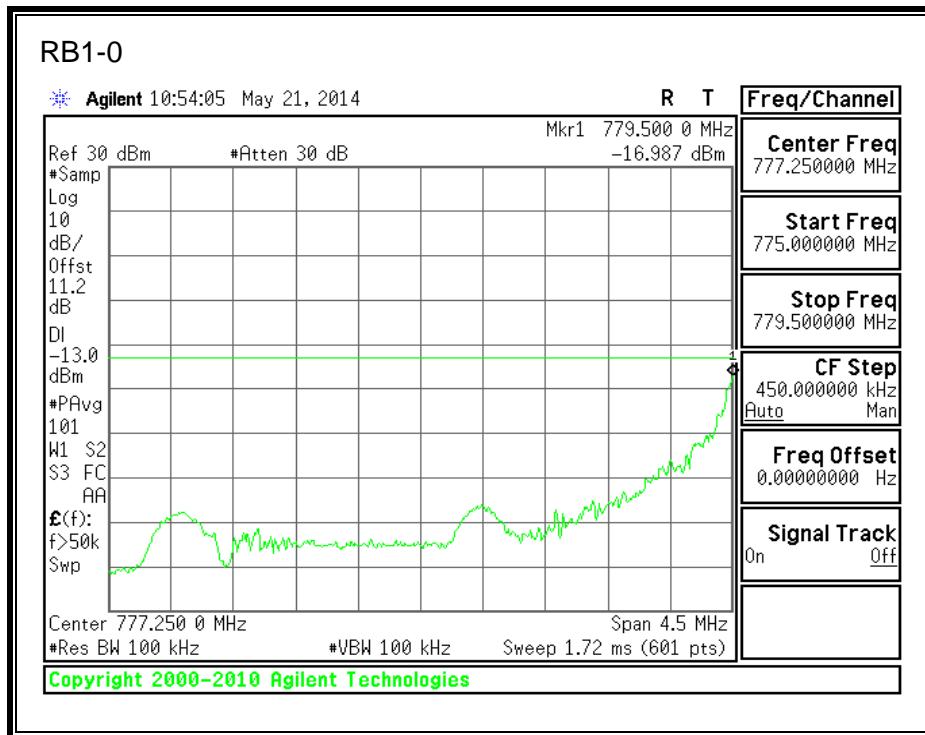


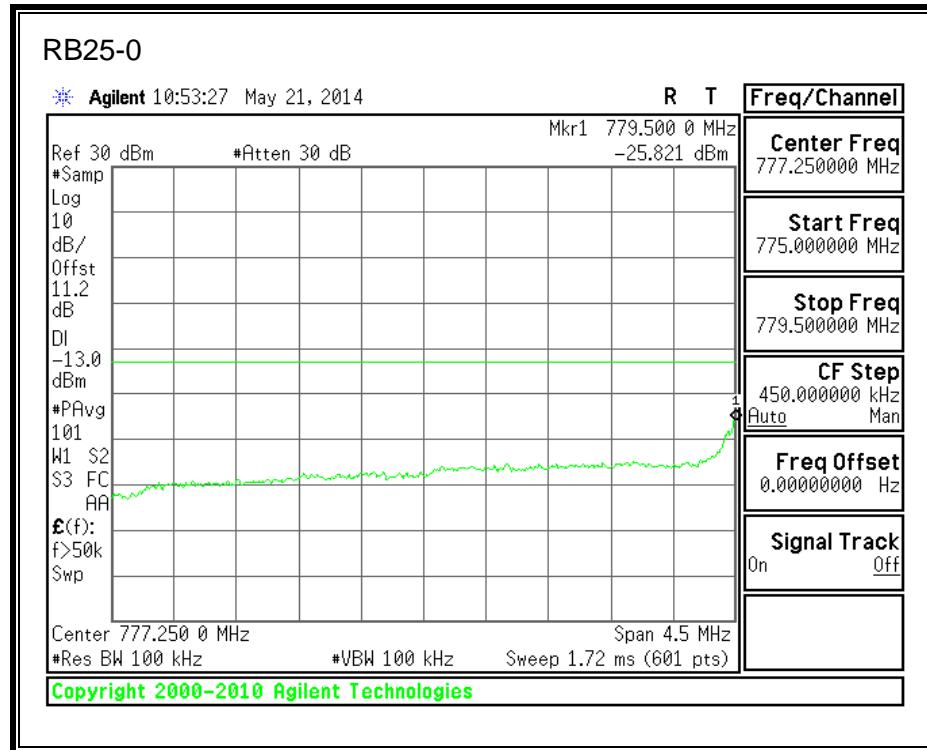
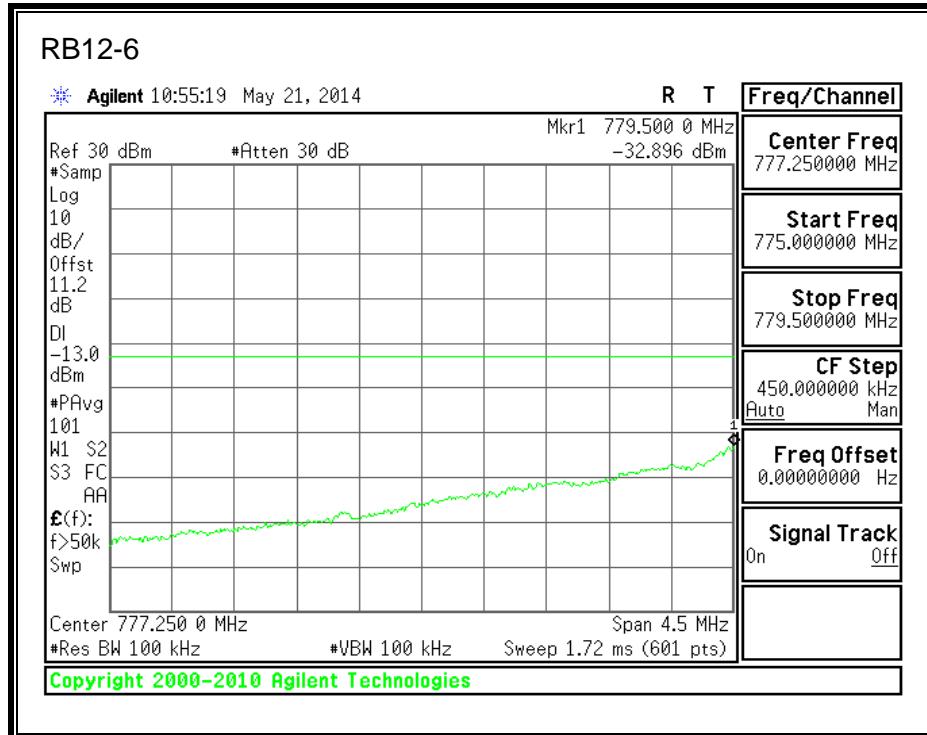
**QPSK, 782MHz, 775 – 779.5MHz, (5MHz Bandwidth)**



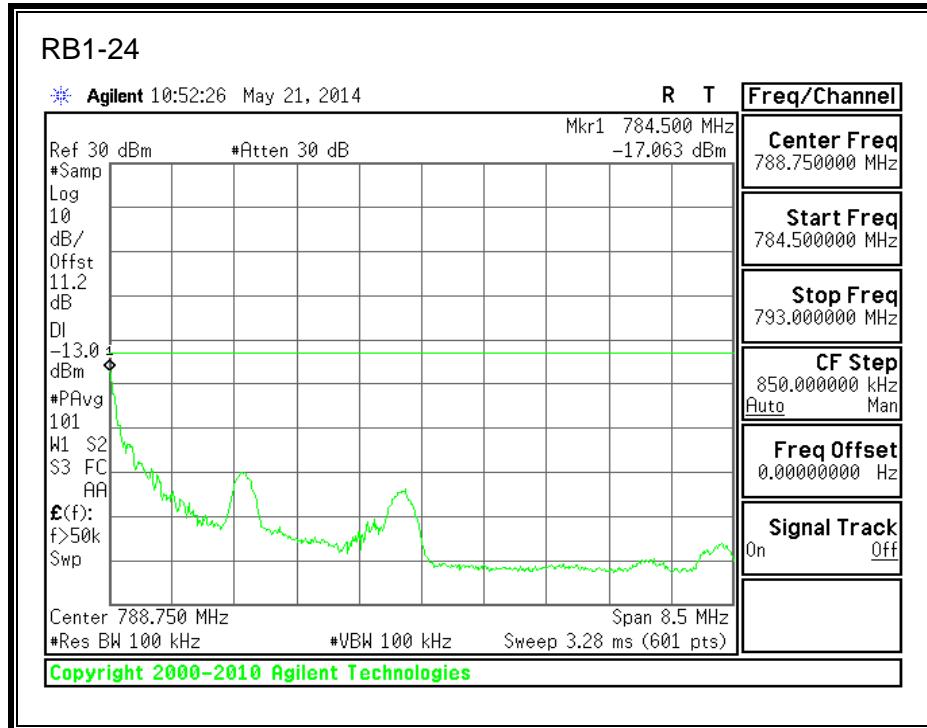
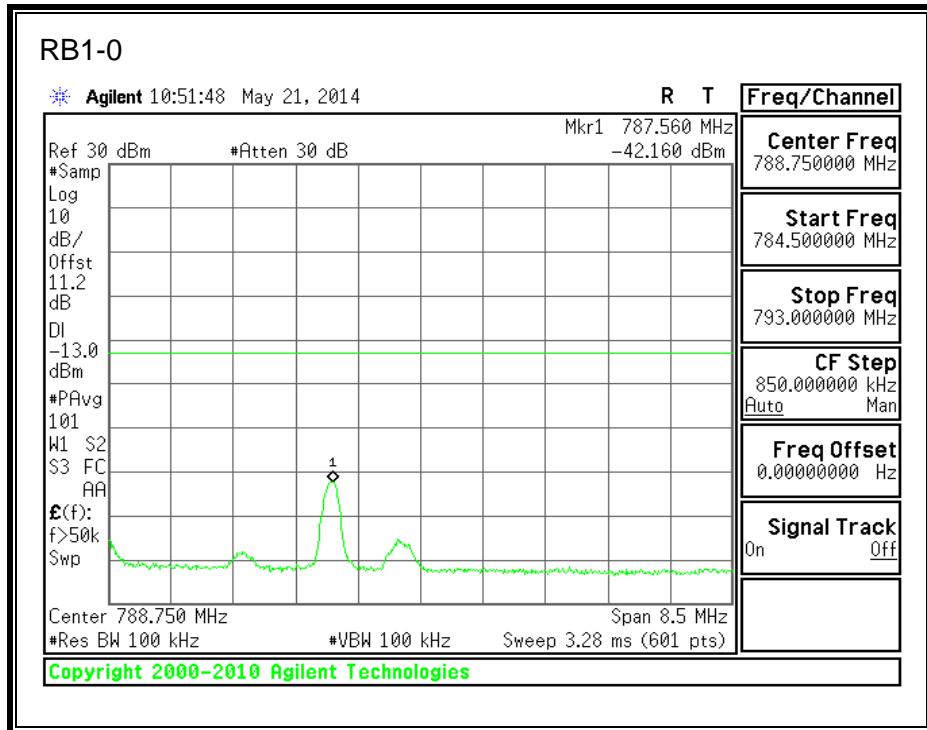


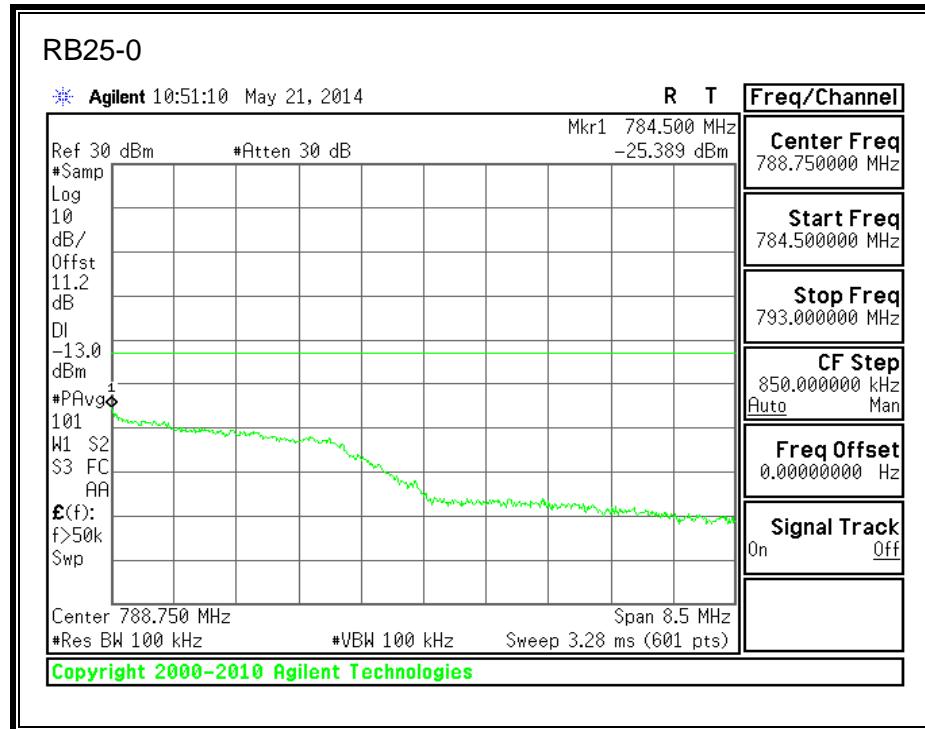
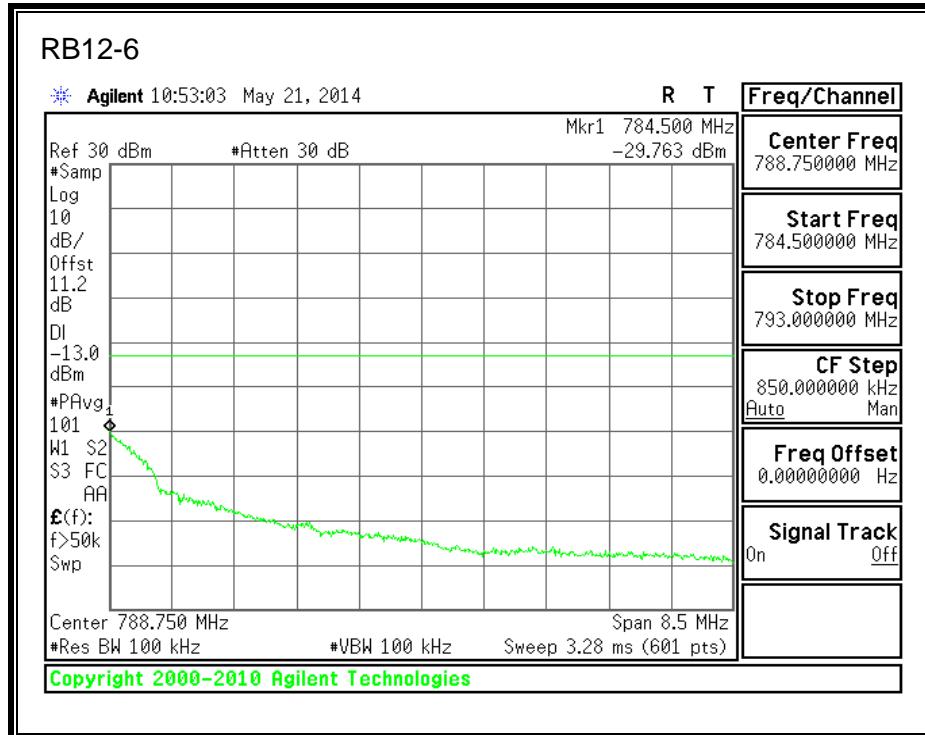
**16QAM, 782MHz, 775 - 777MHz, (5MHz Bandwidth)**



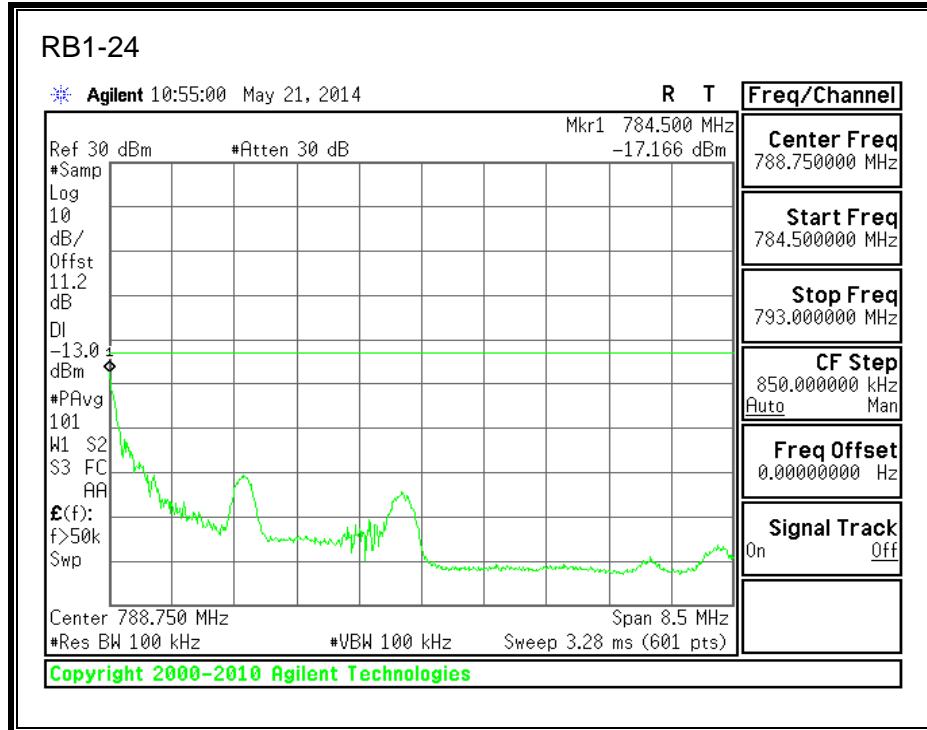
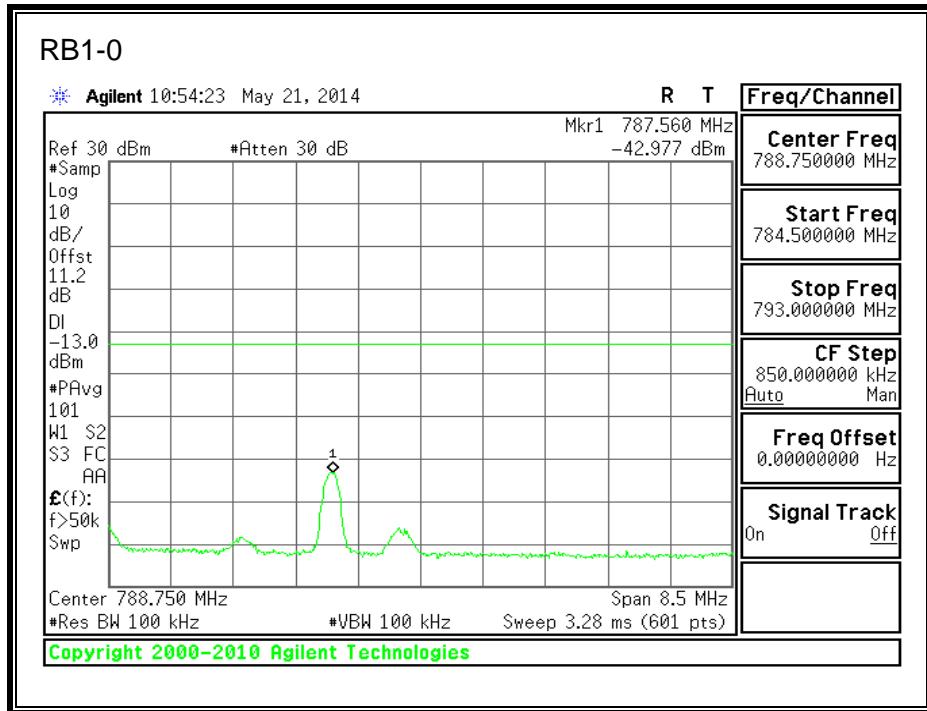


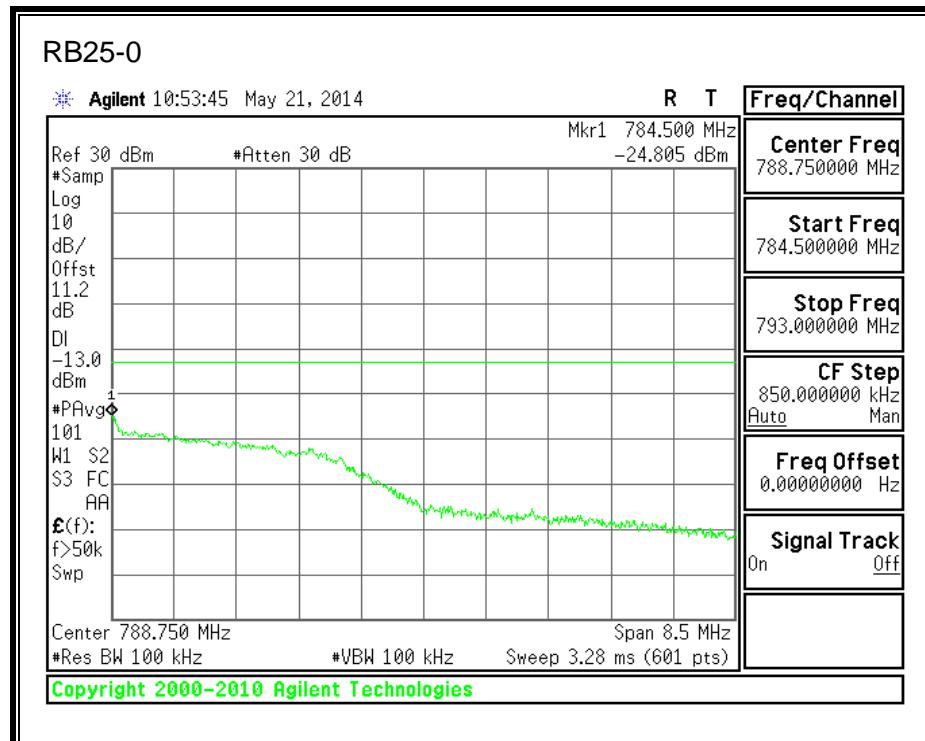
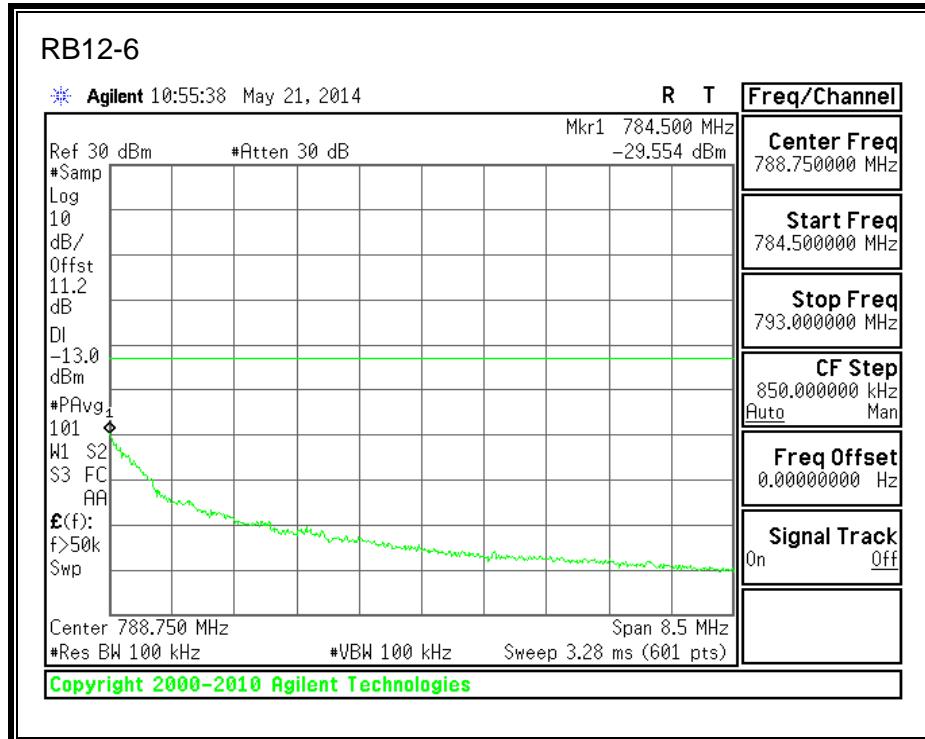
**QPSK, 782MHz, 784.5 - 793MHz, (5MHz Bandwidth)**



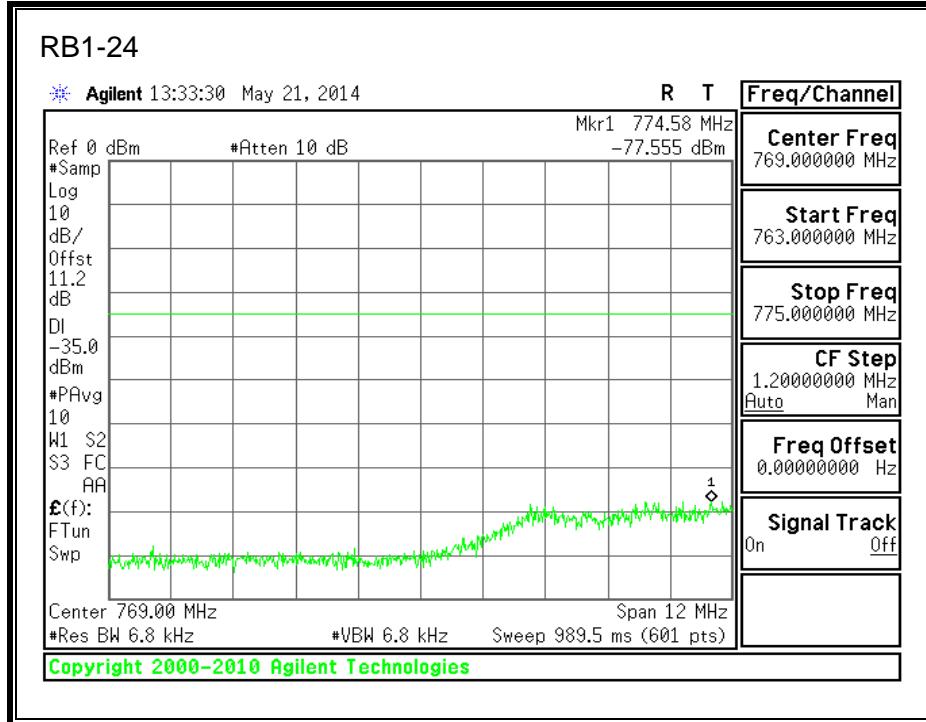
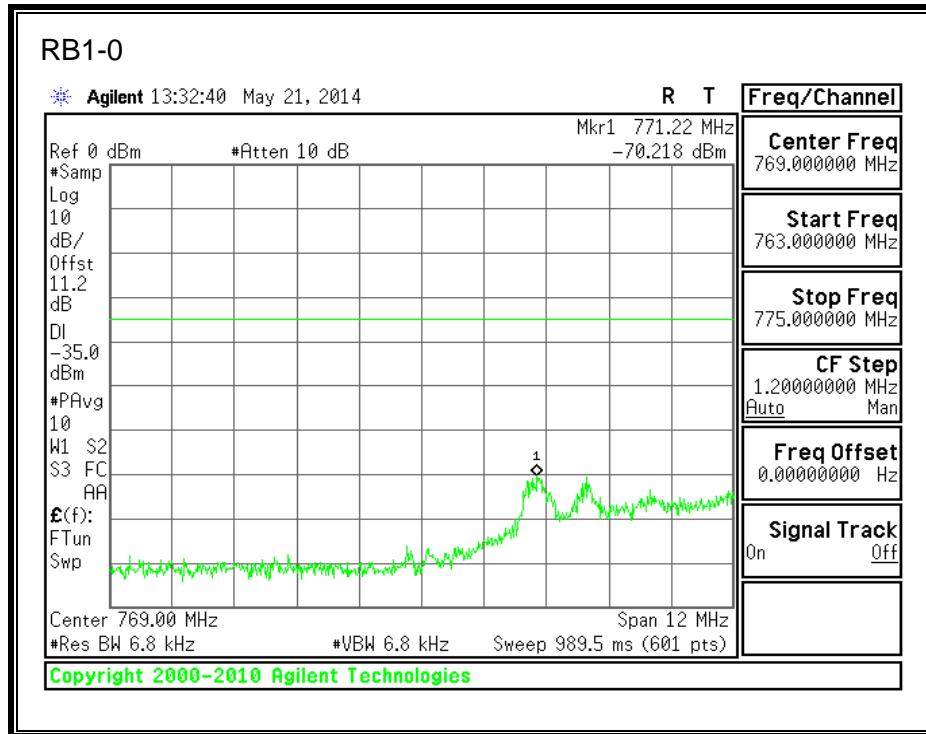


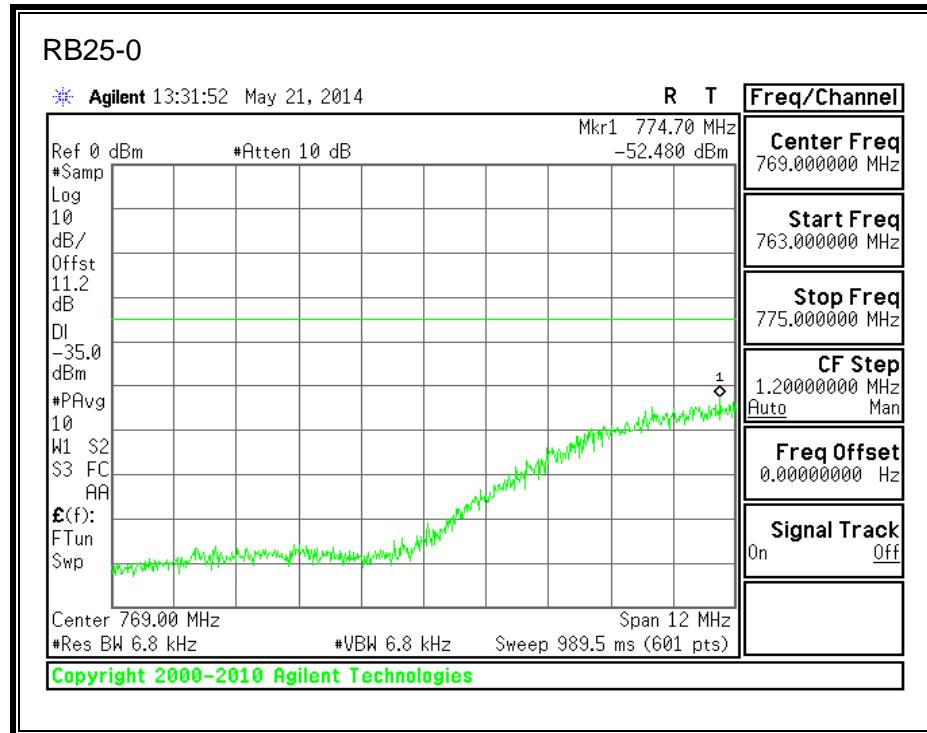
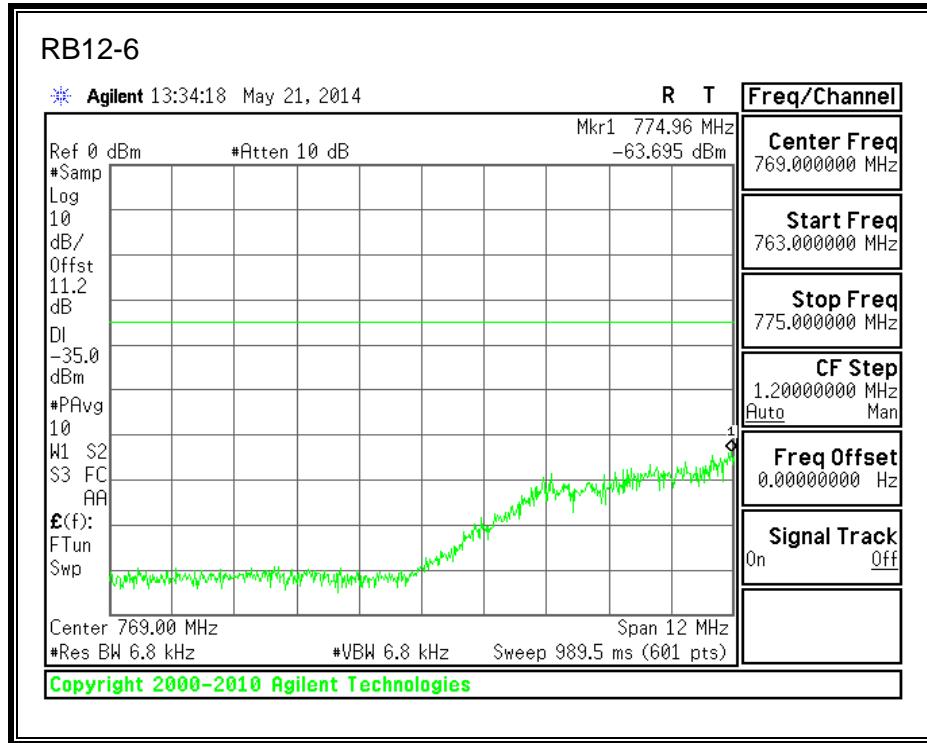
**16QAM, 782MHz, 784.5 - 793MHz, (5MHz Bandwidth)**



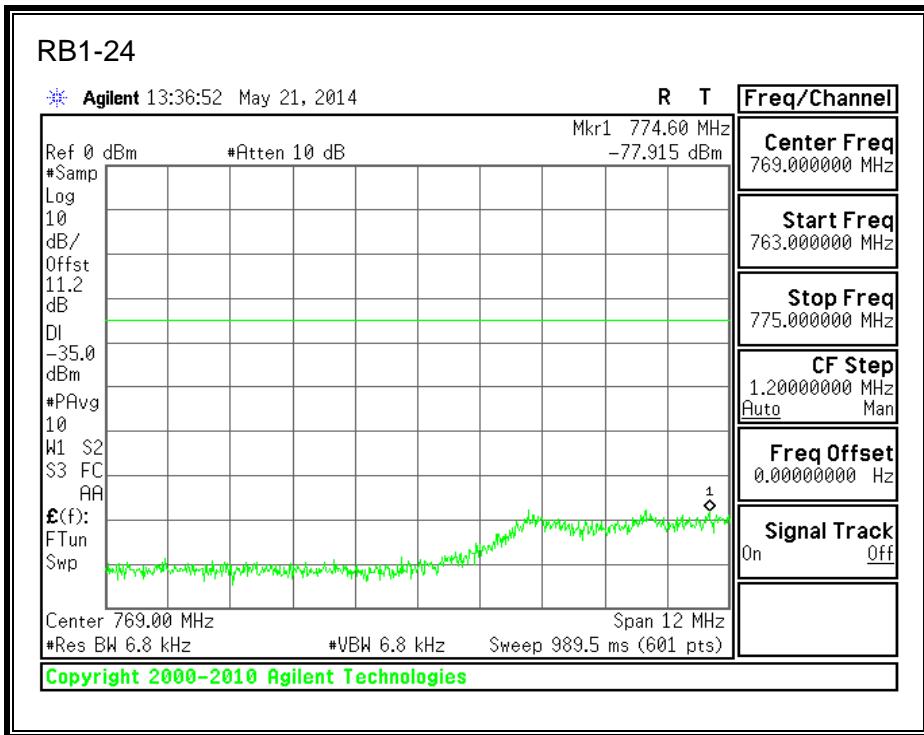
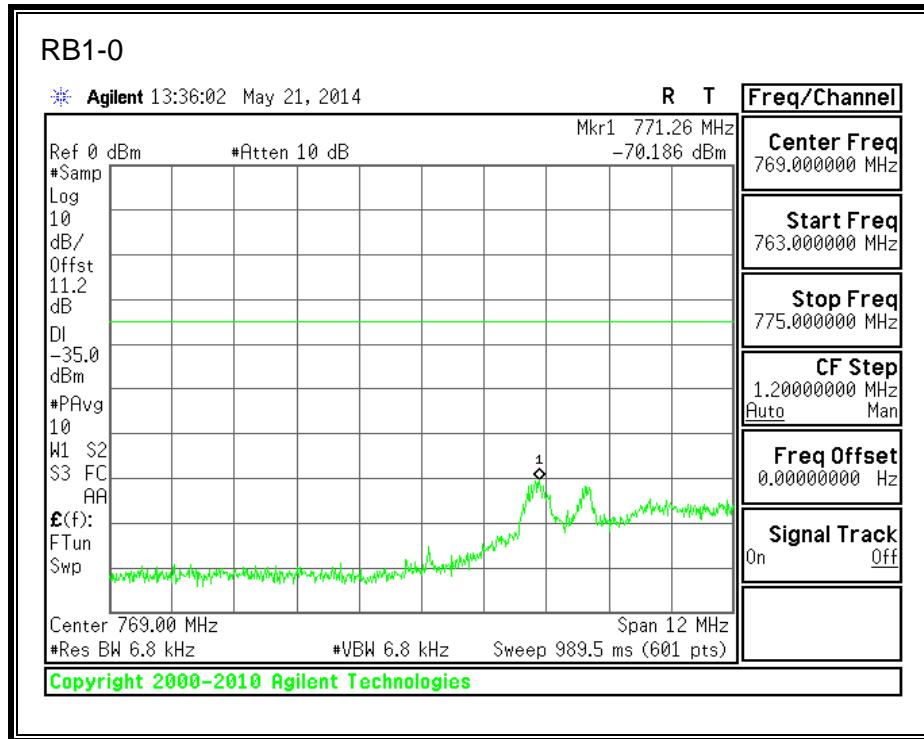


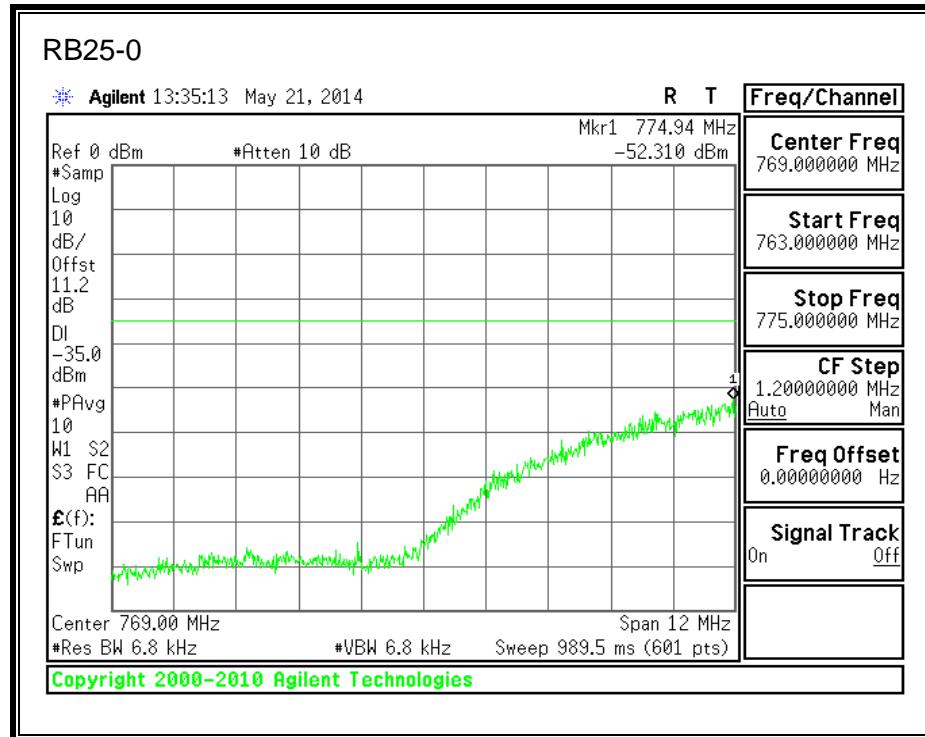
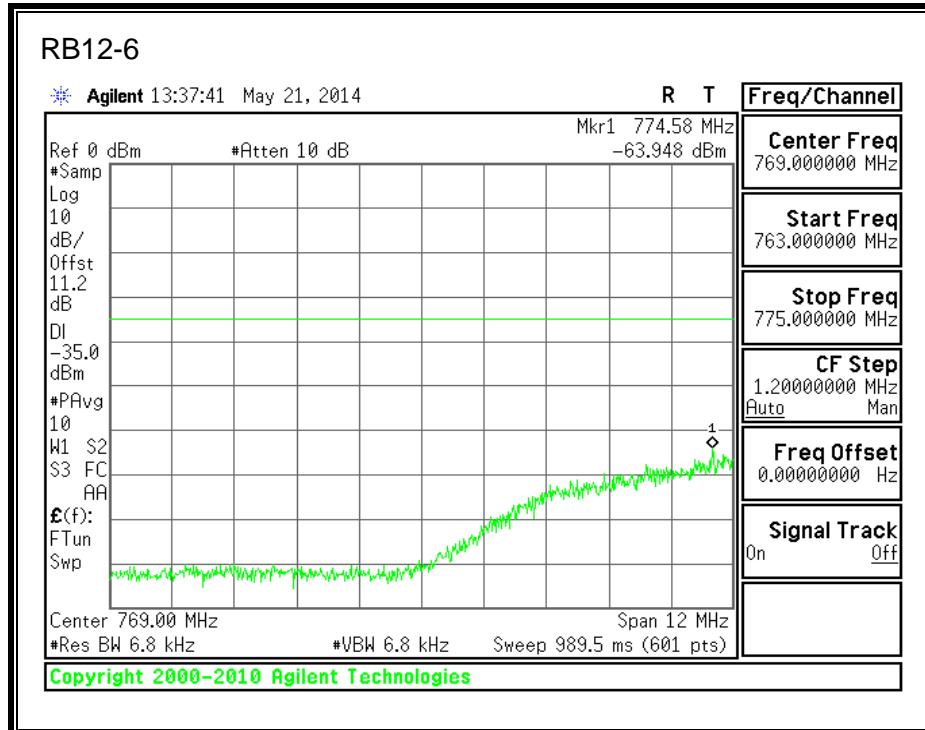
**QPSK, 782MHz, 763 - 775MHz, (5MHz Bandwidth)**



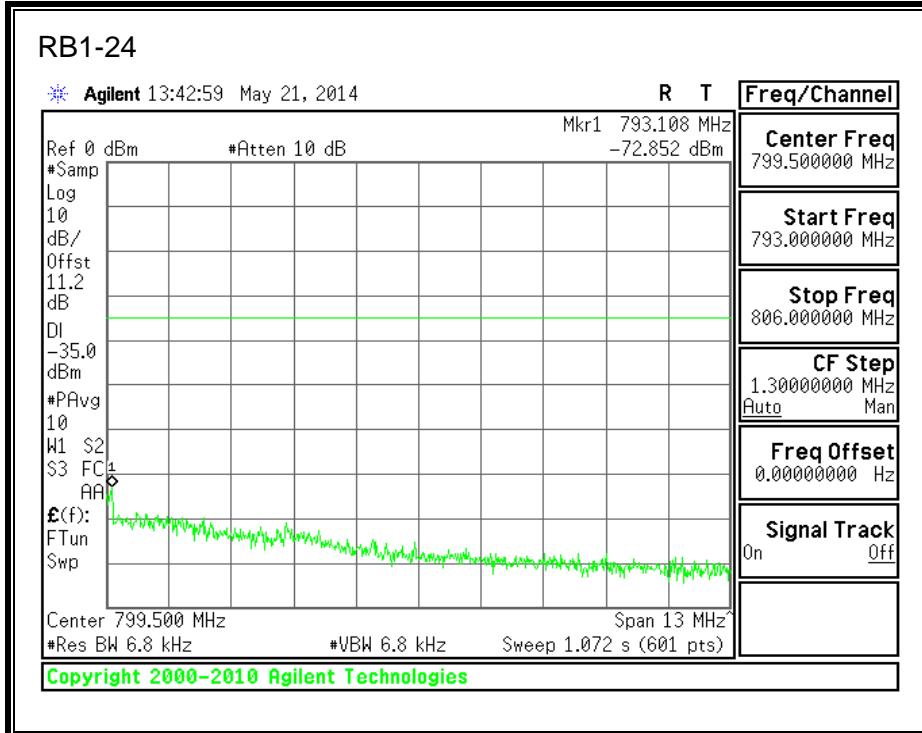
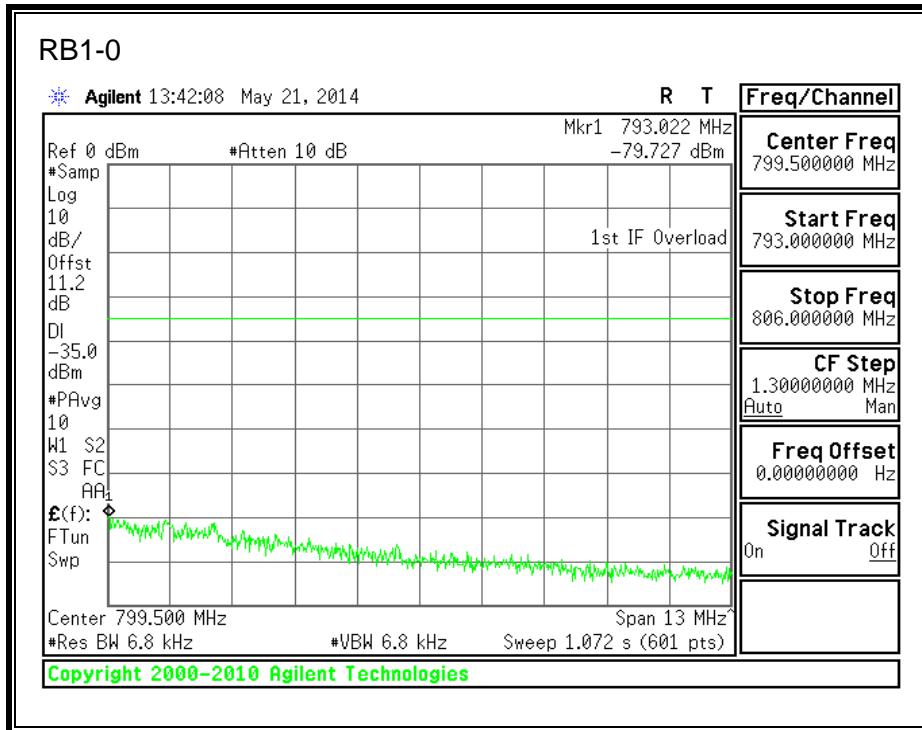


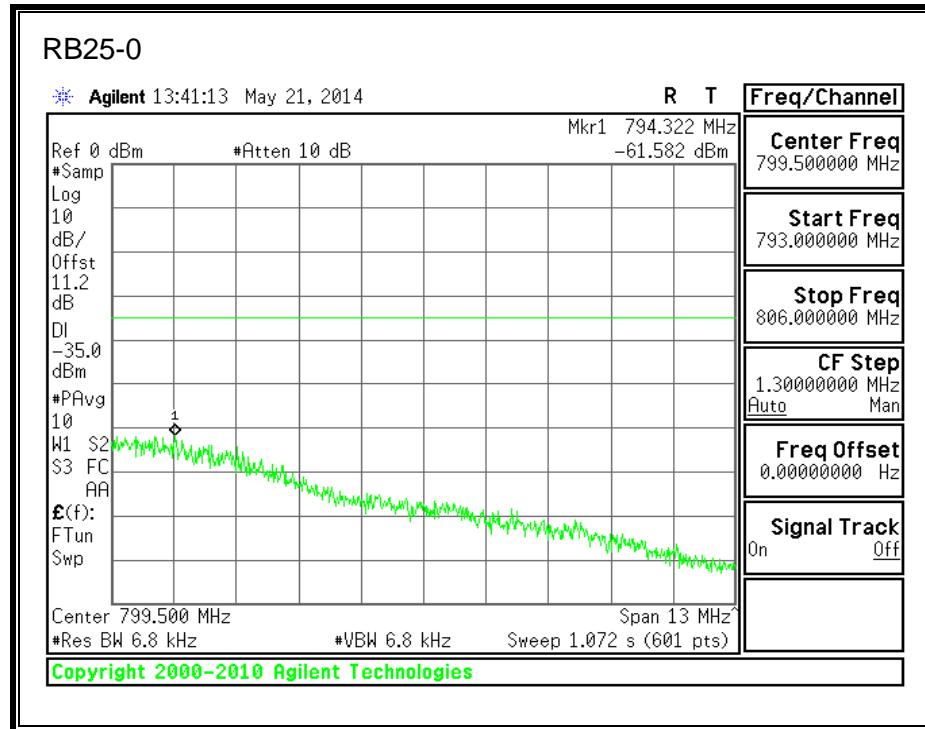
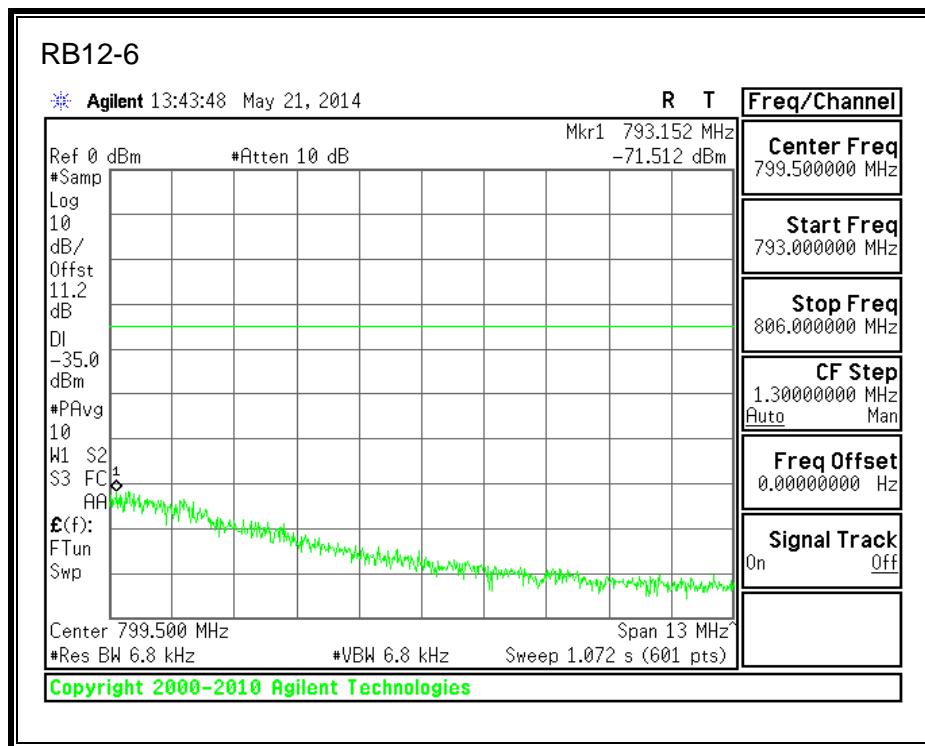
**16QAM, 782MHz, 763 - 775MHz, (5MHz Bandwidth)**



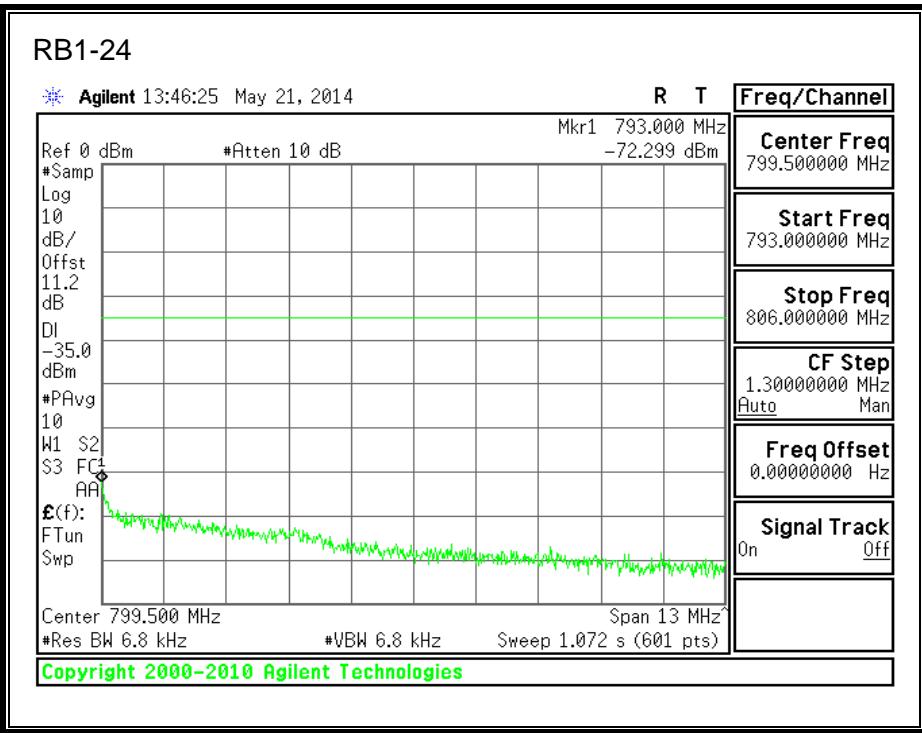
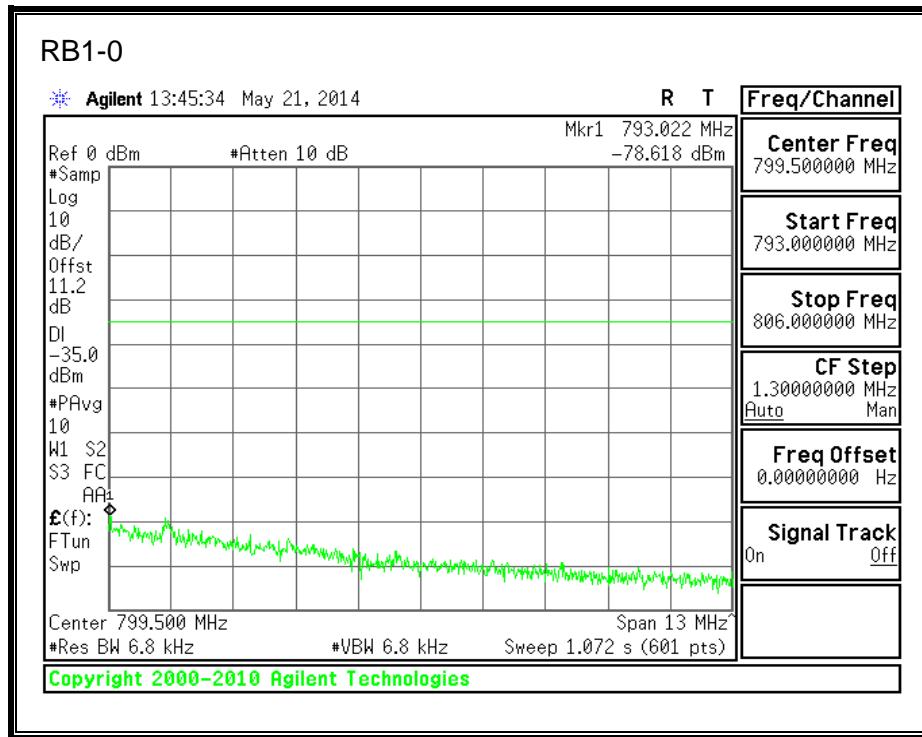


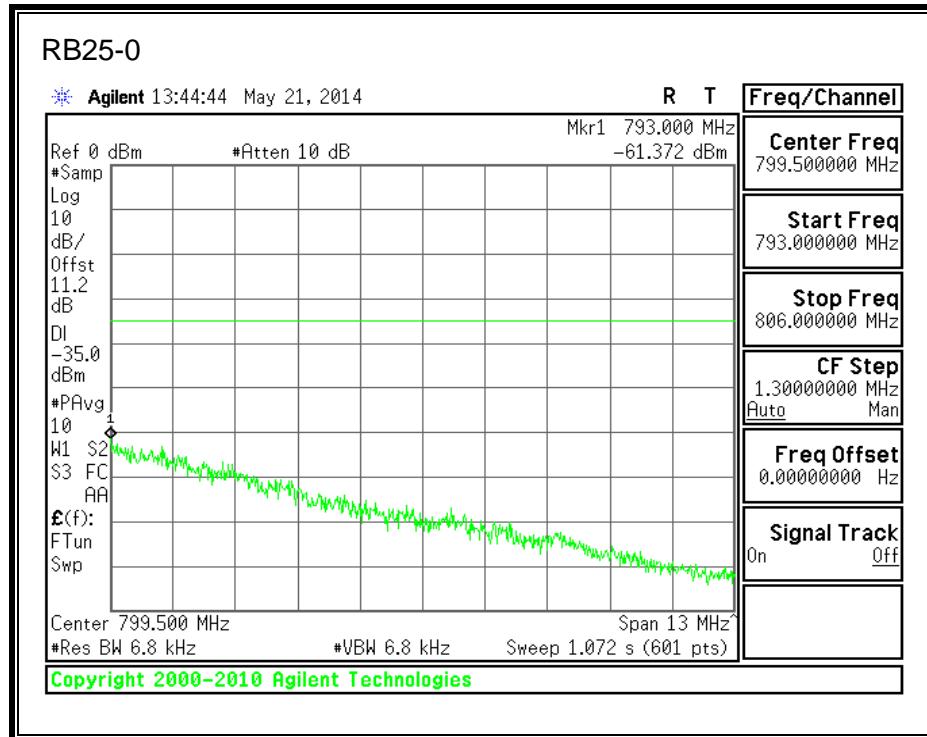
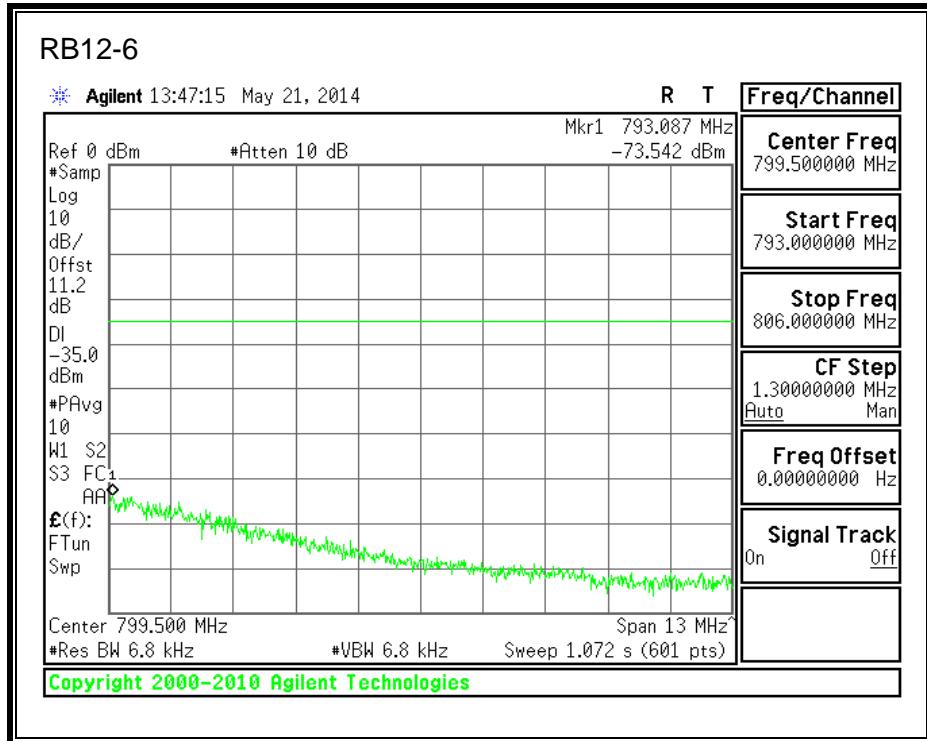
**QPSK, 782MHz, 793 - 806MHz, (5MHz Bandwidth)**



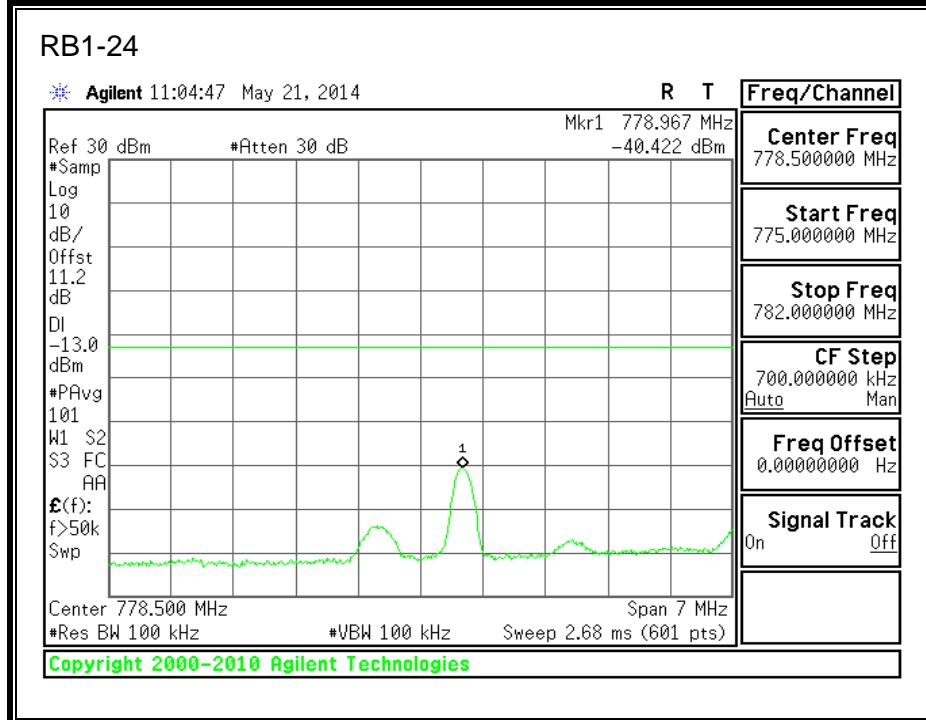
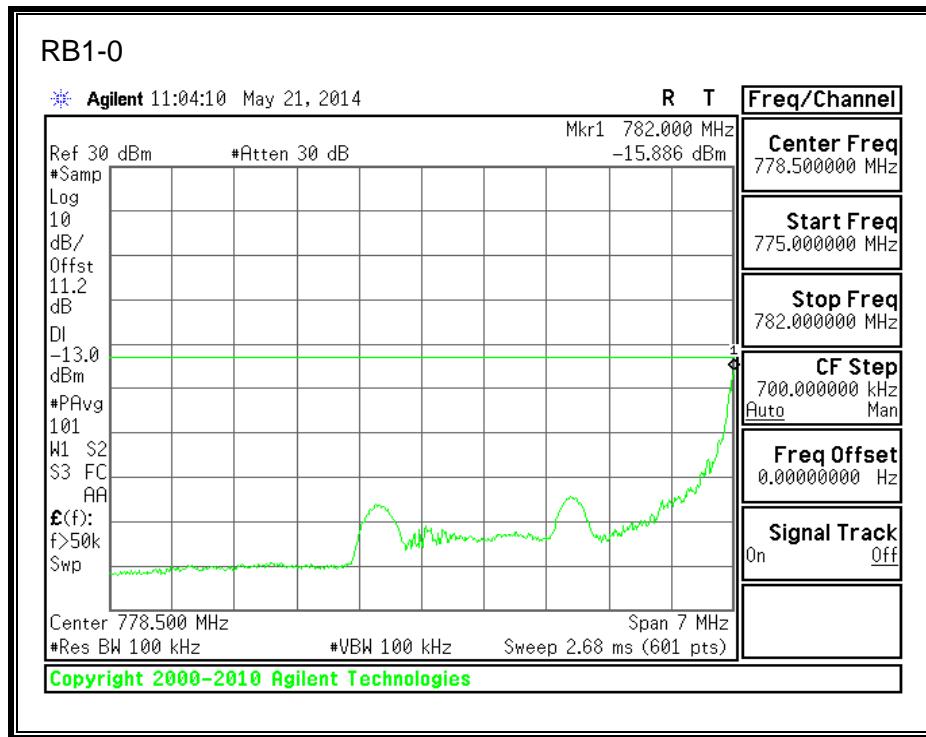


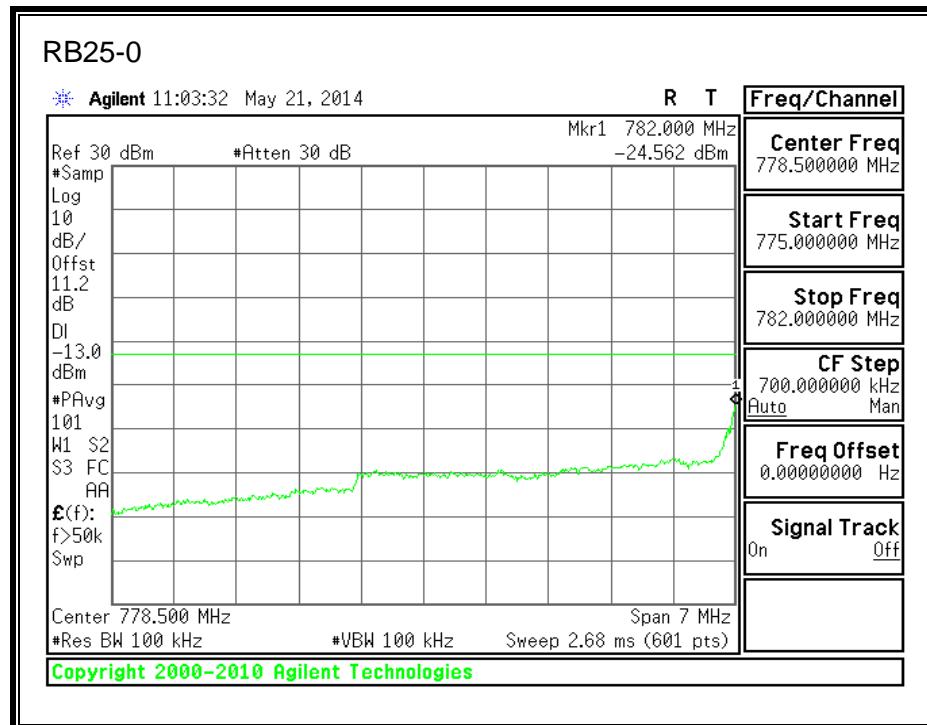
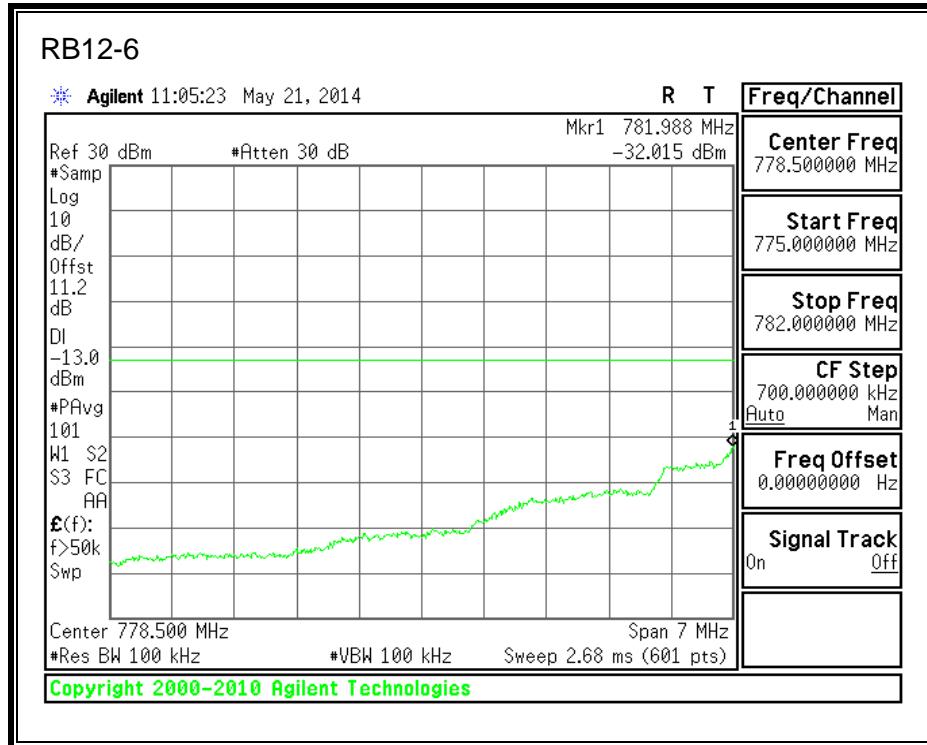
**16QAM, 782MHz, 793 - 806MHz, (5MHz Bandwidth)**



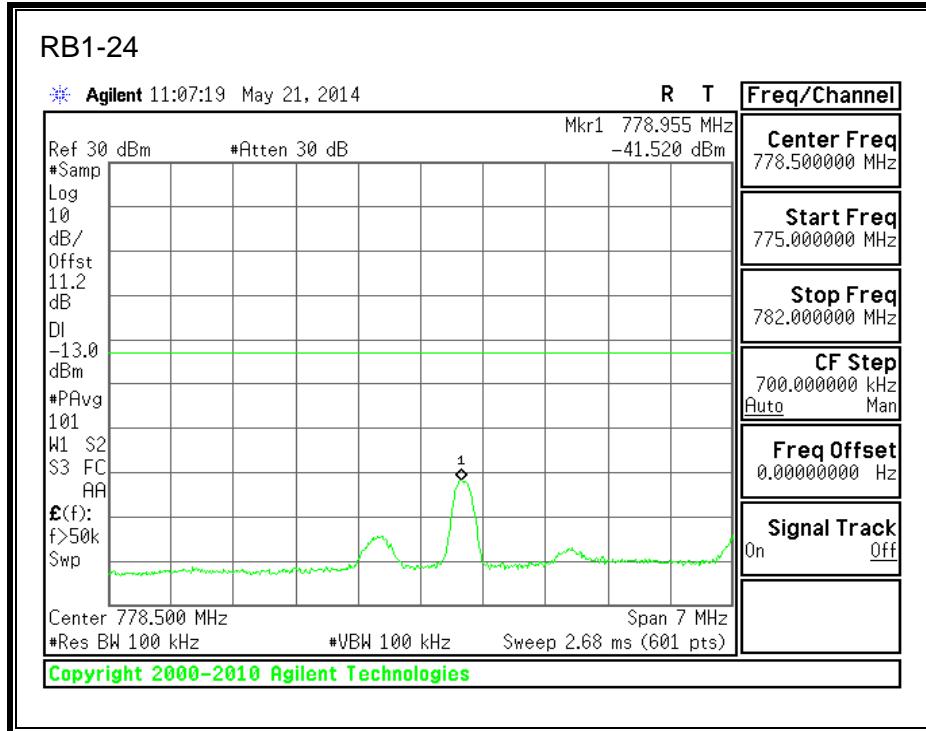
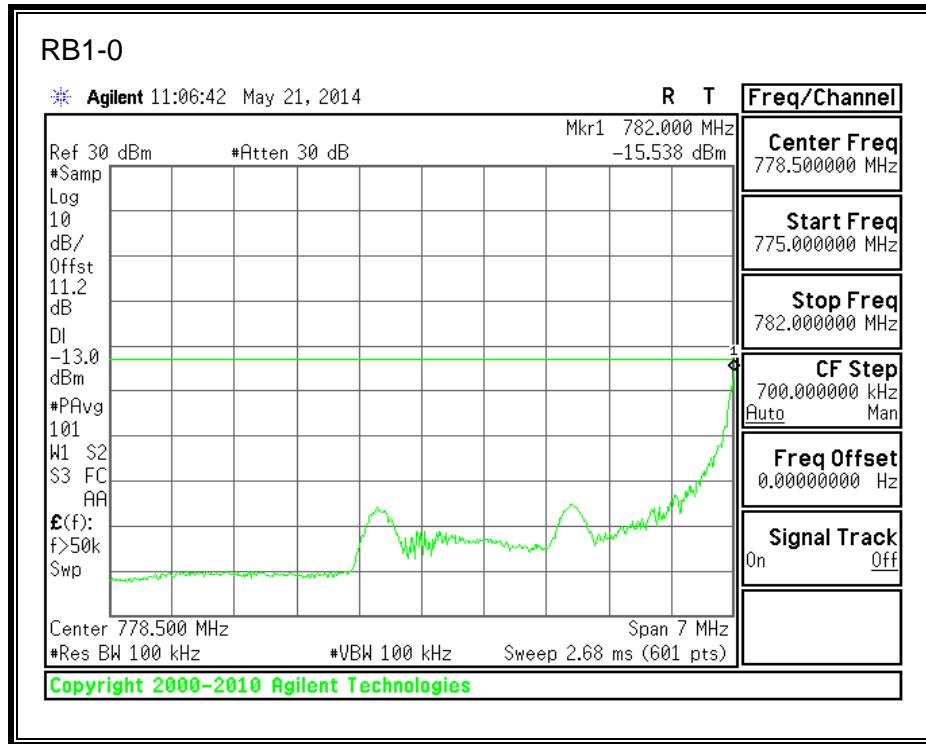


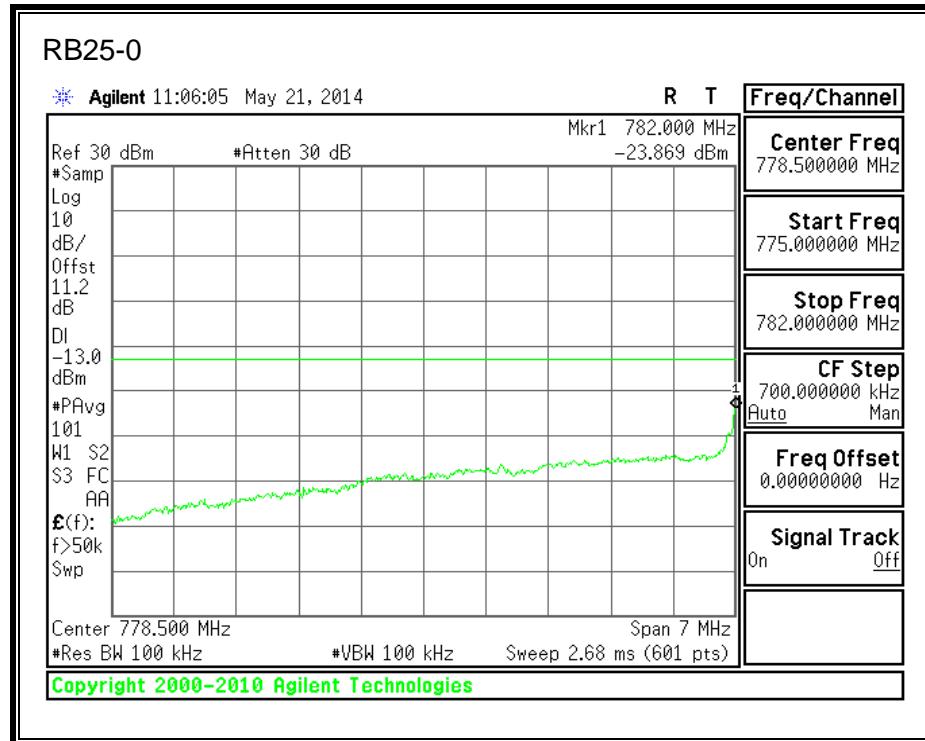
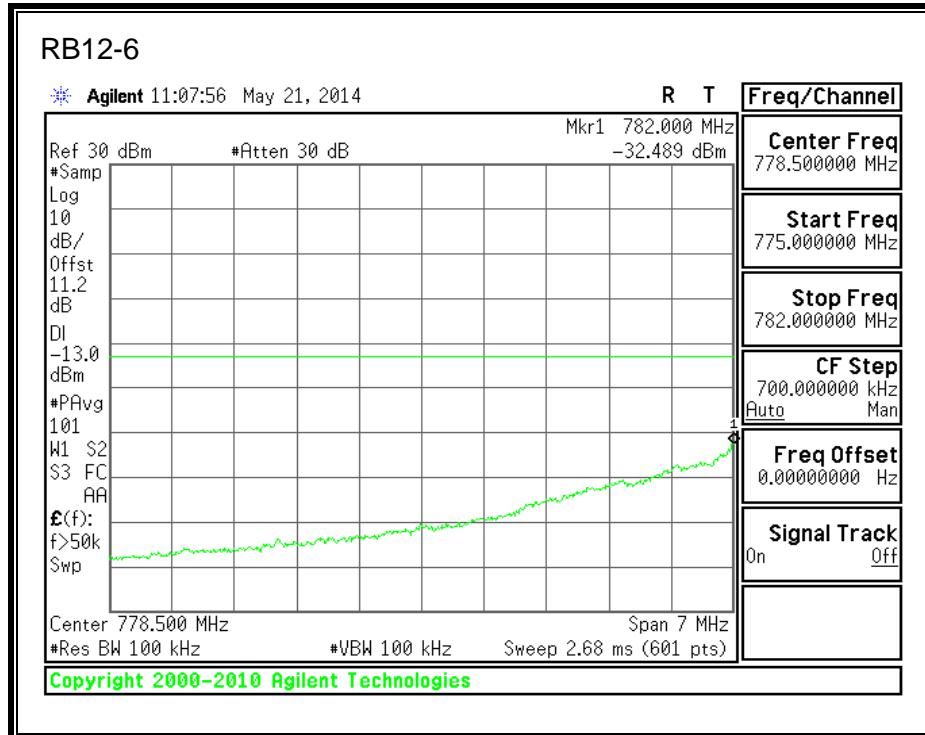
**QPSK, 784.5MHz, 775 - 782MHz, (5MHz Bandwidth)**



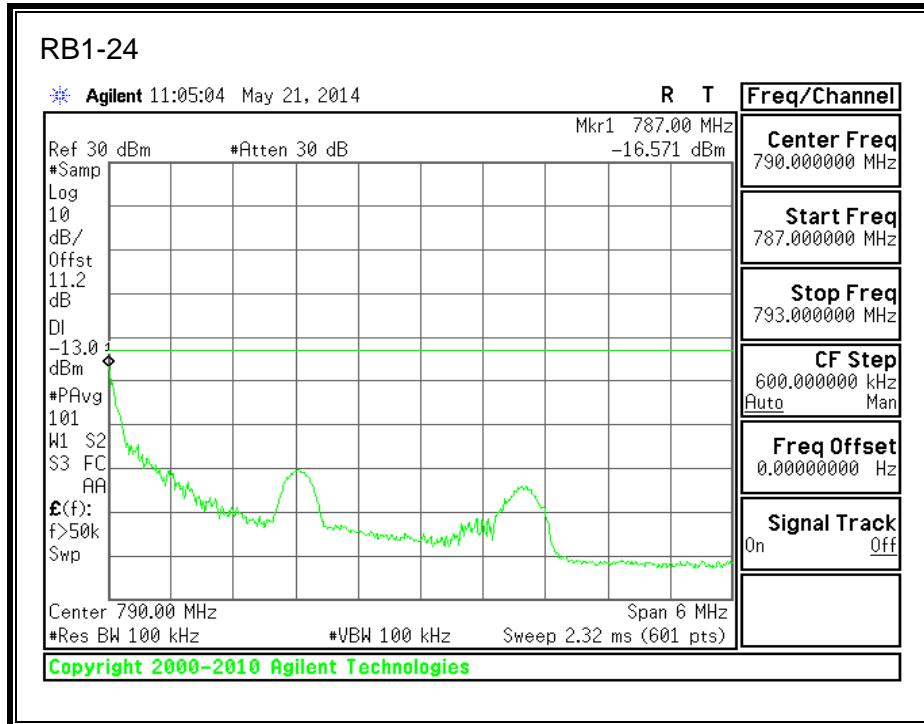
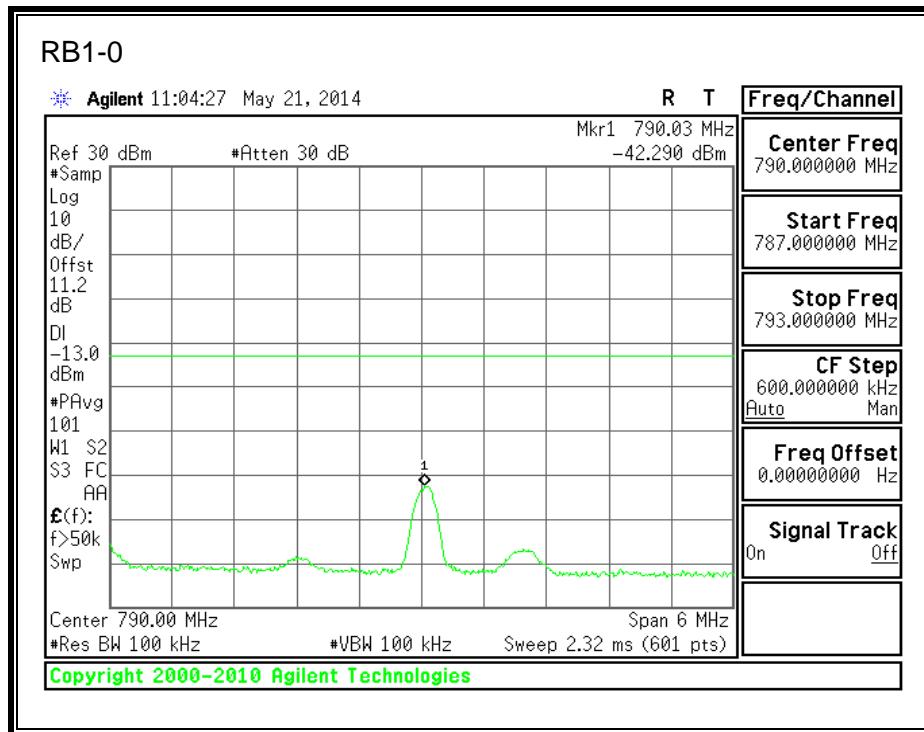


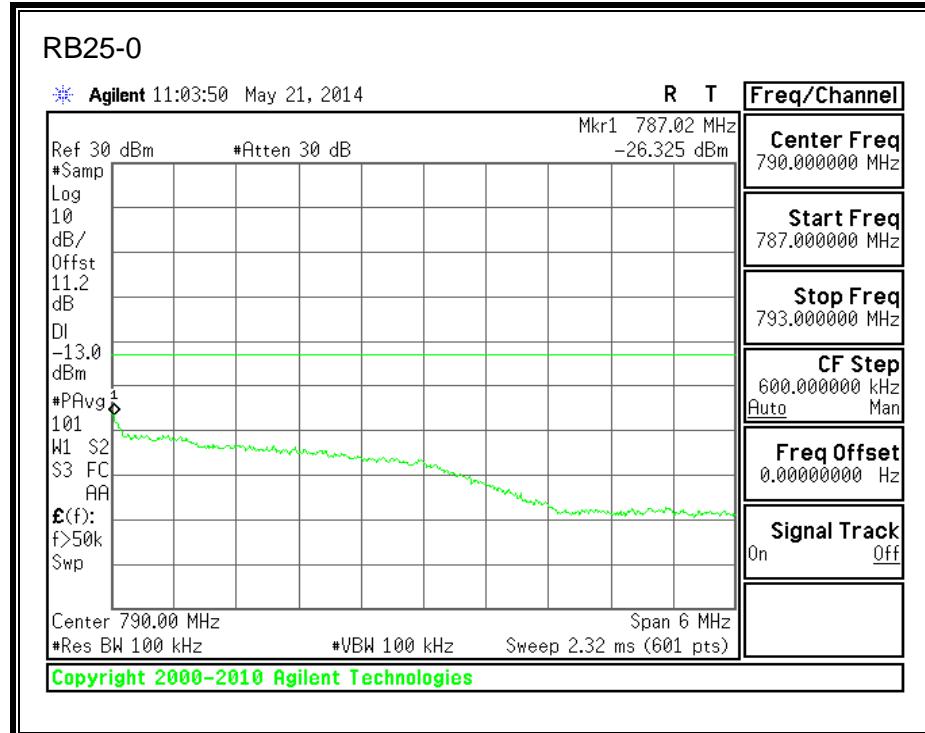
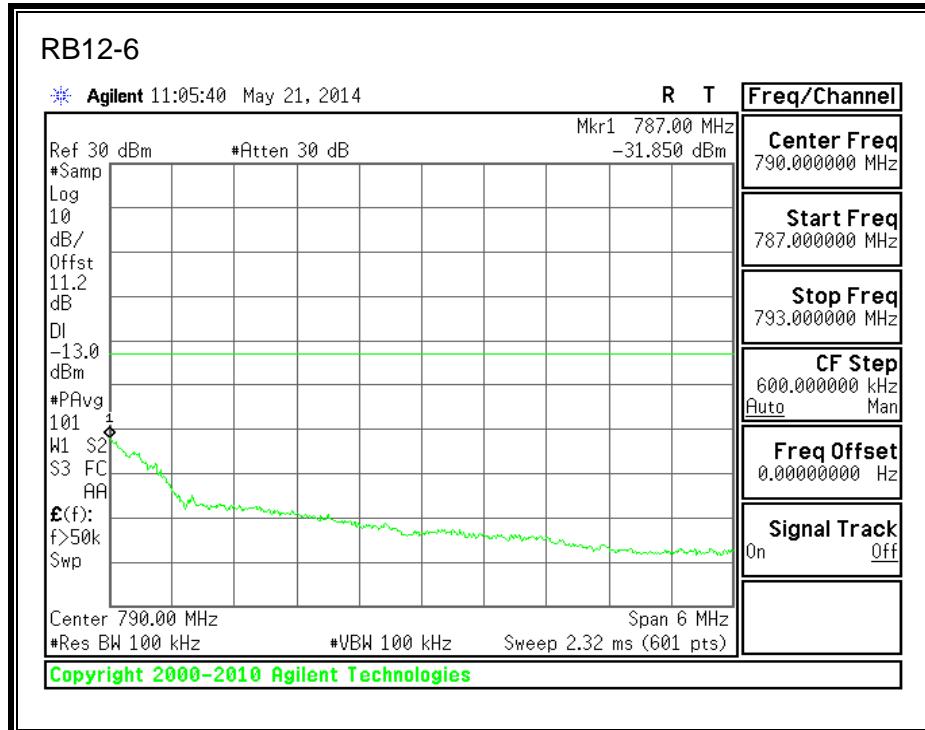
**16QAM, 784.5MHz, 775 - 782MHz, (5MHz Bandwidth)**



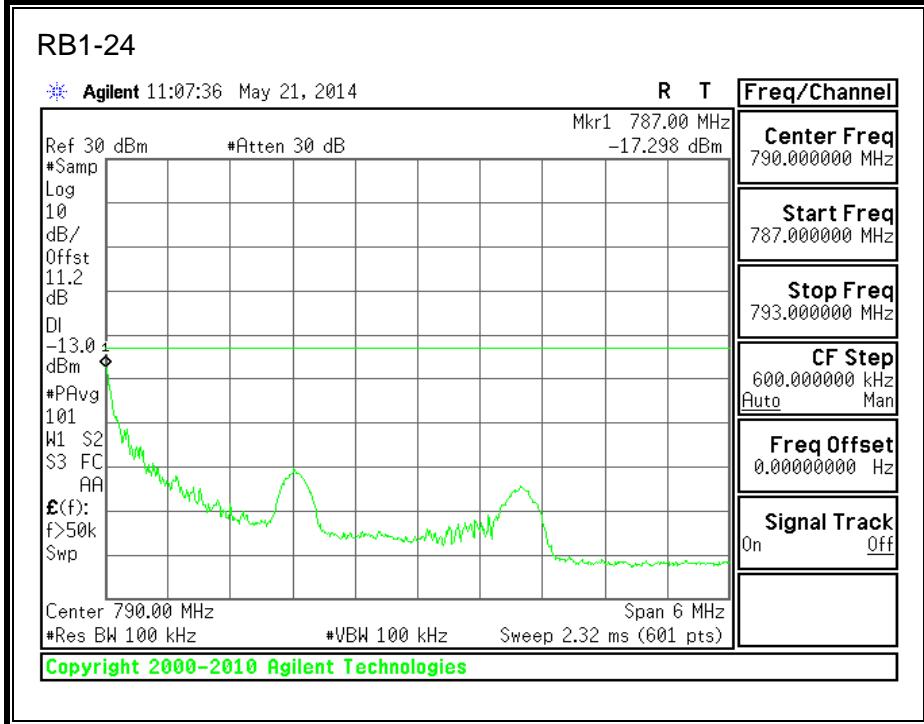
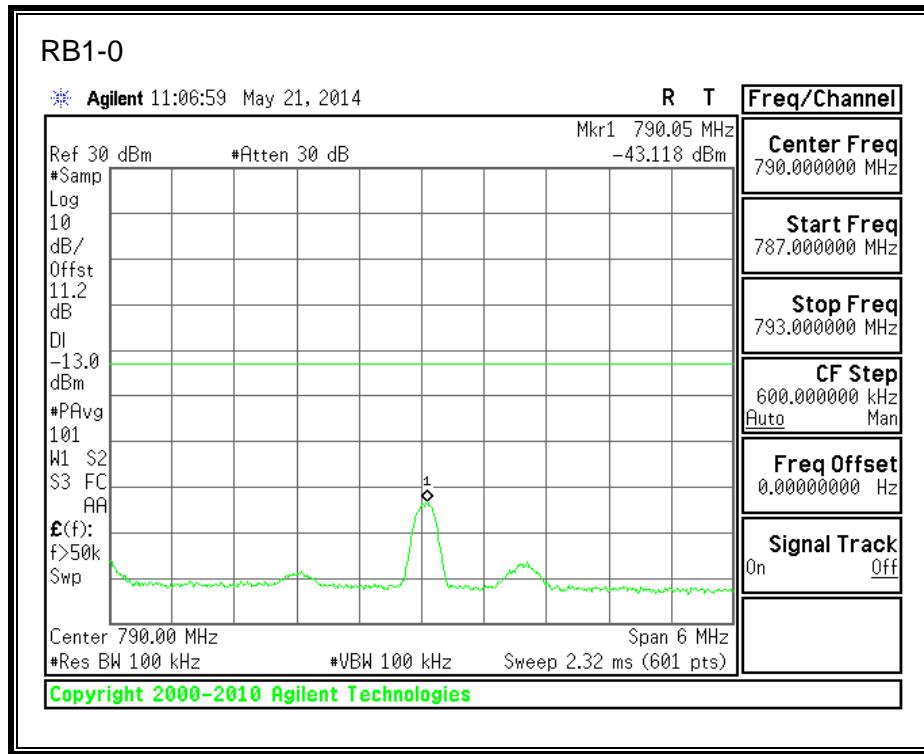


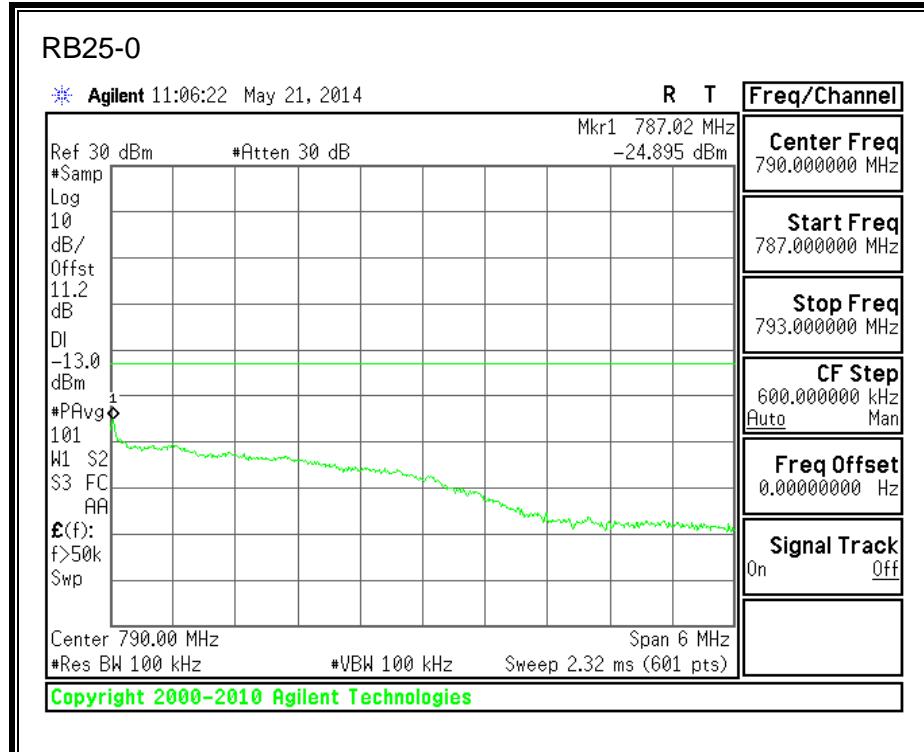
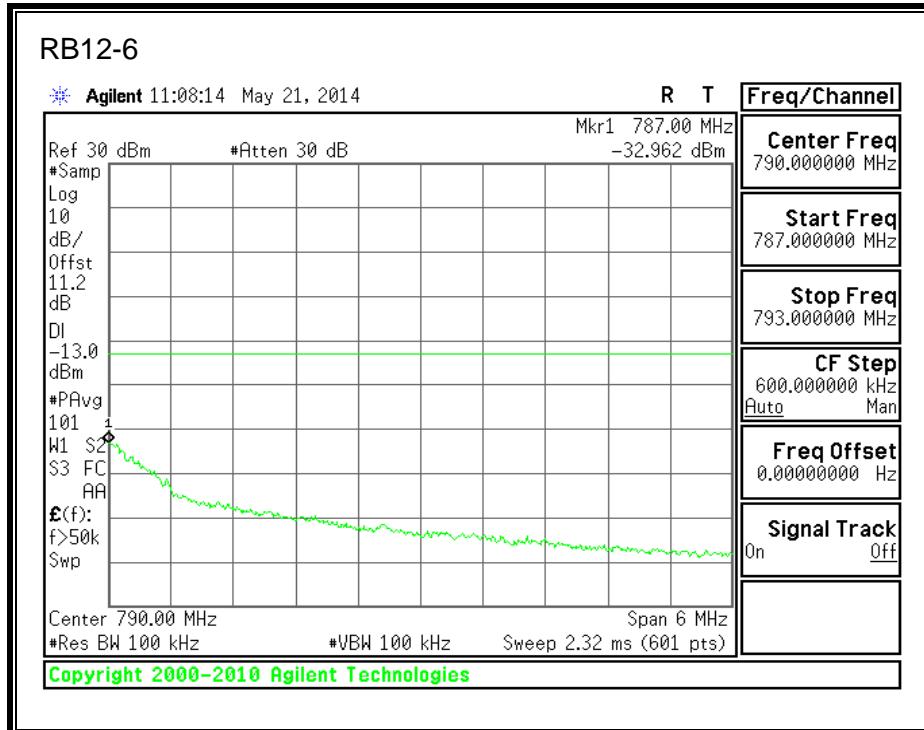
**QPSK, 784.5MHz, 787 - 793MHz, (5MHz Bandwidth)**



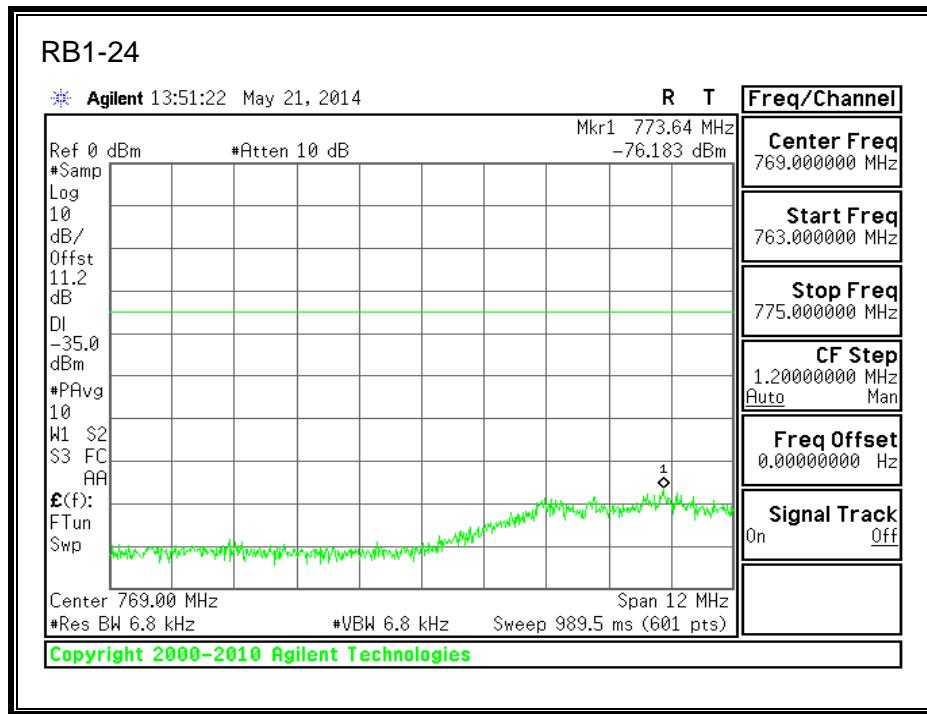
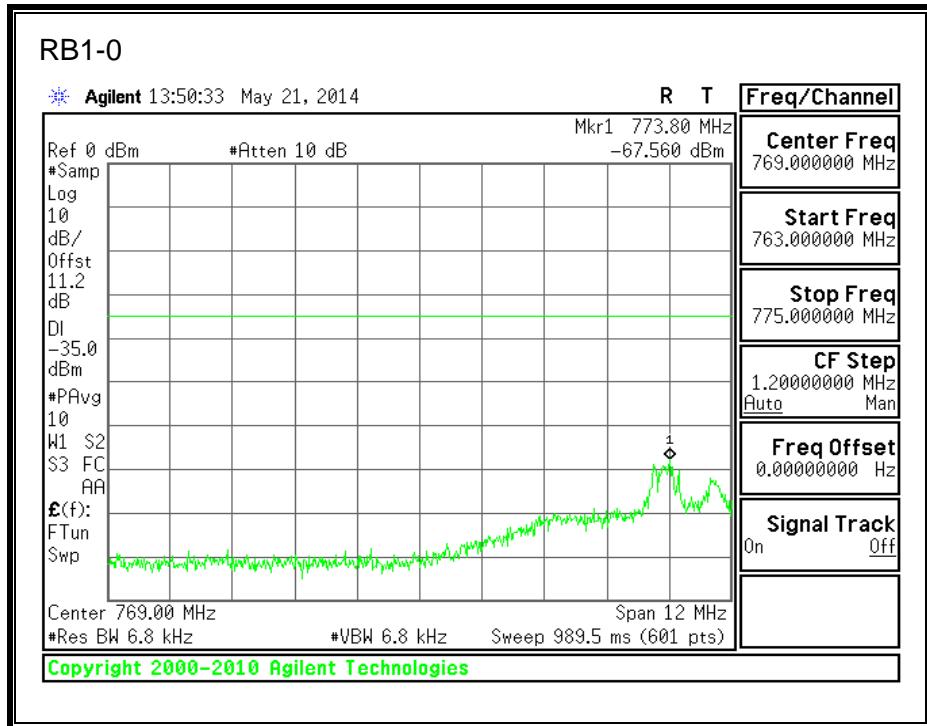


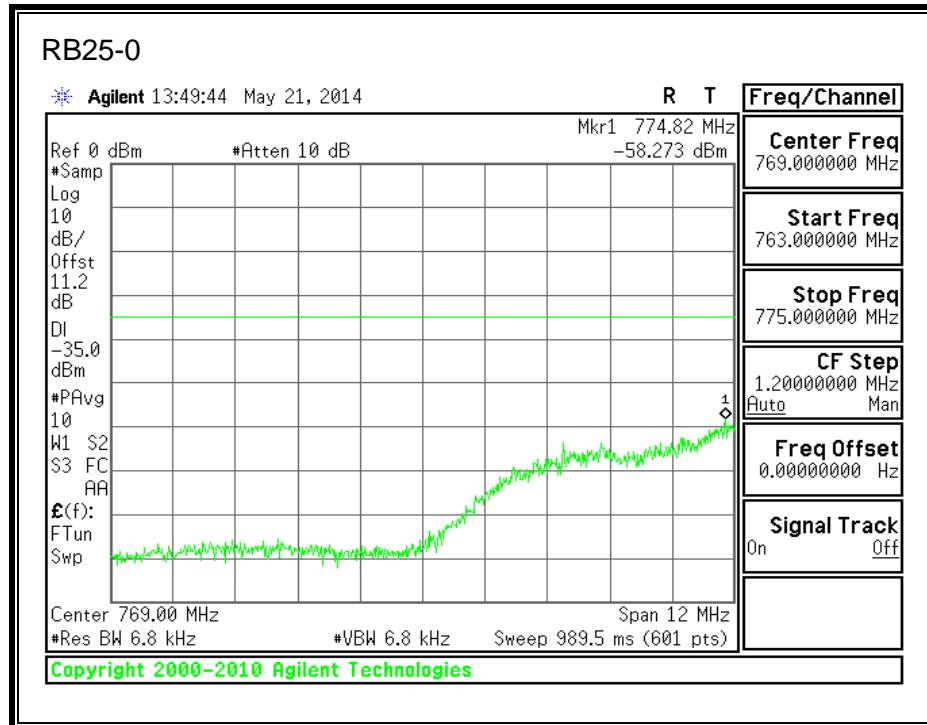
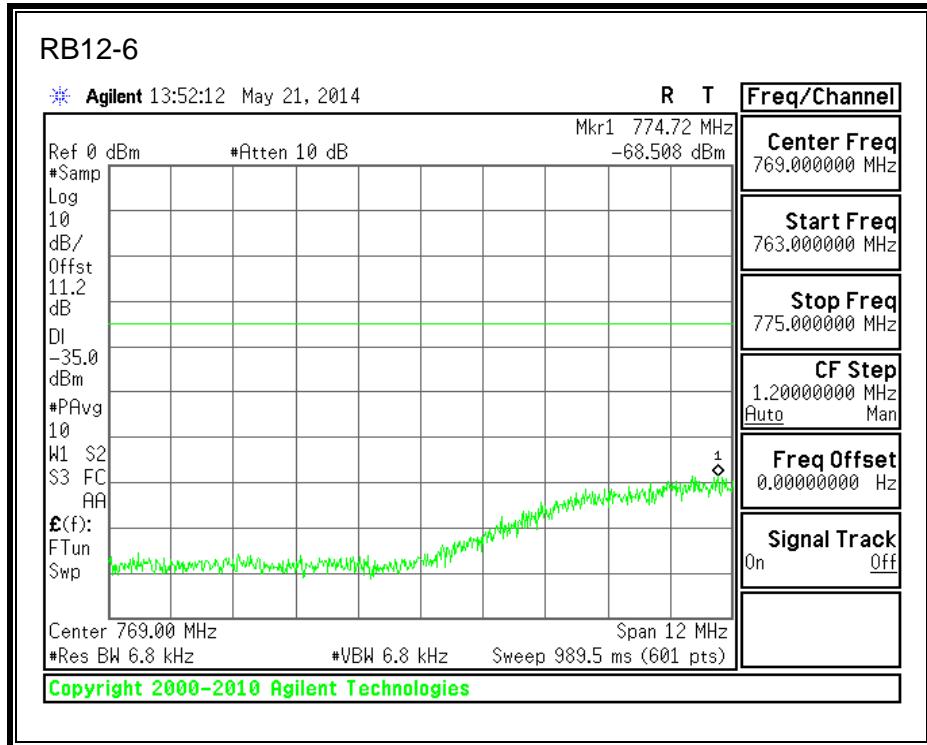
16QAM, 784.5MHz, 787 - 793MHz, (5MHz Bandwidth)



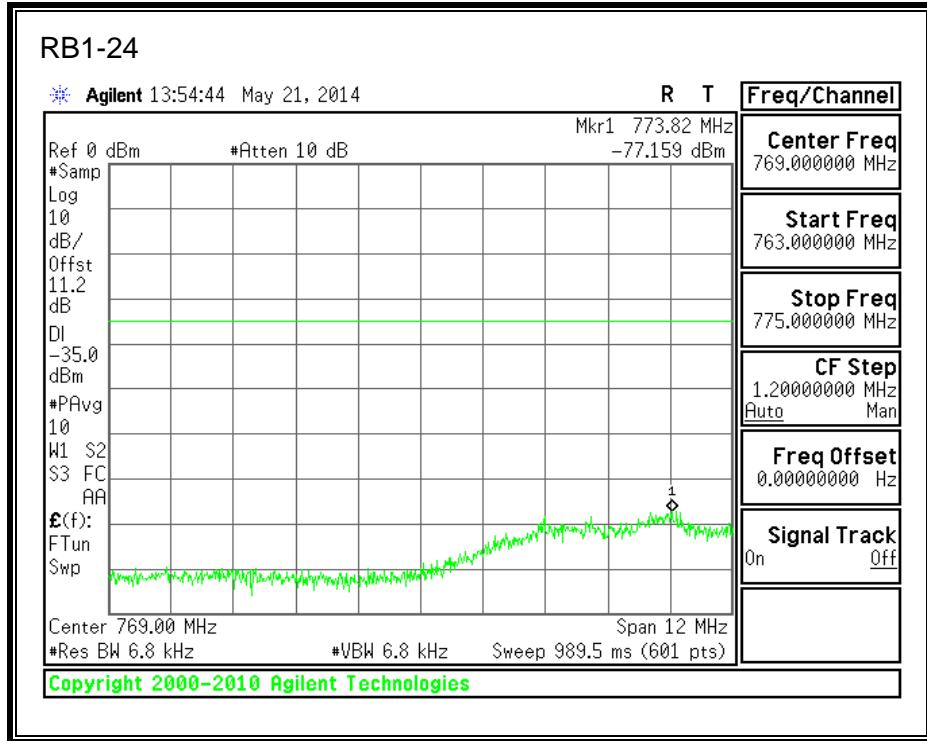
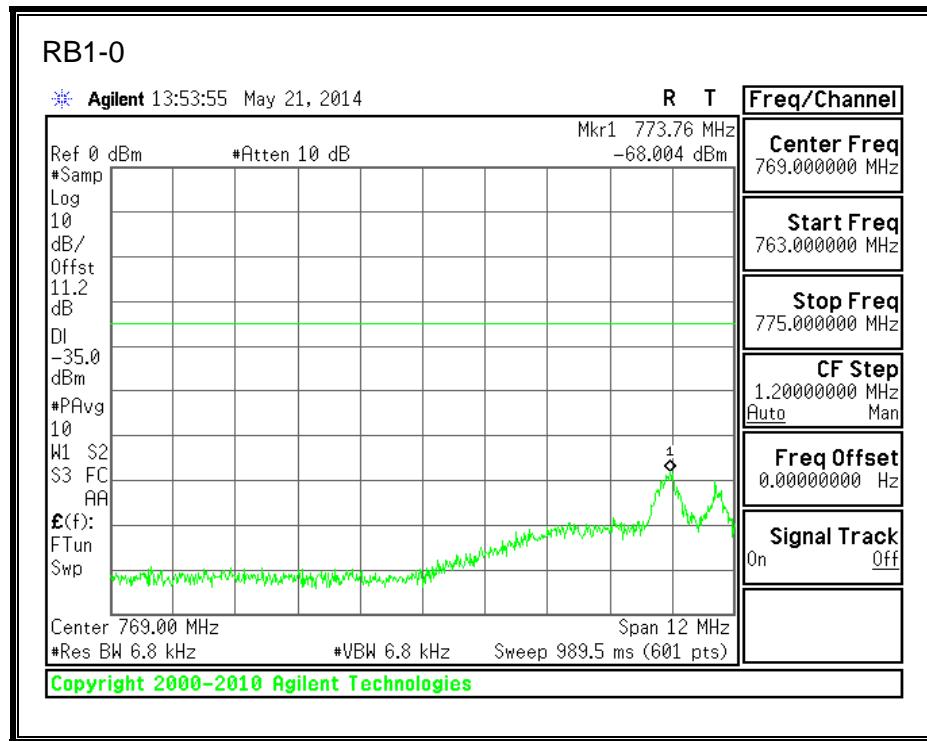


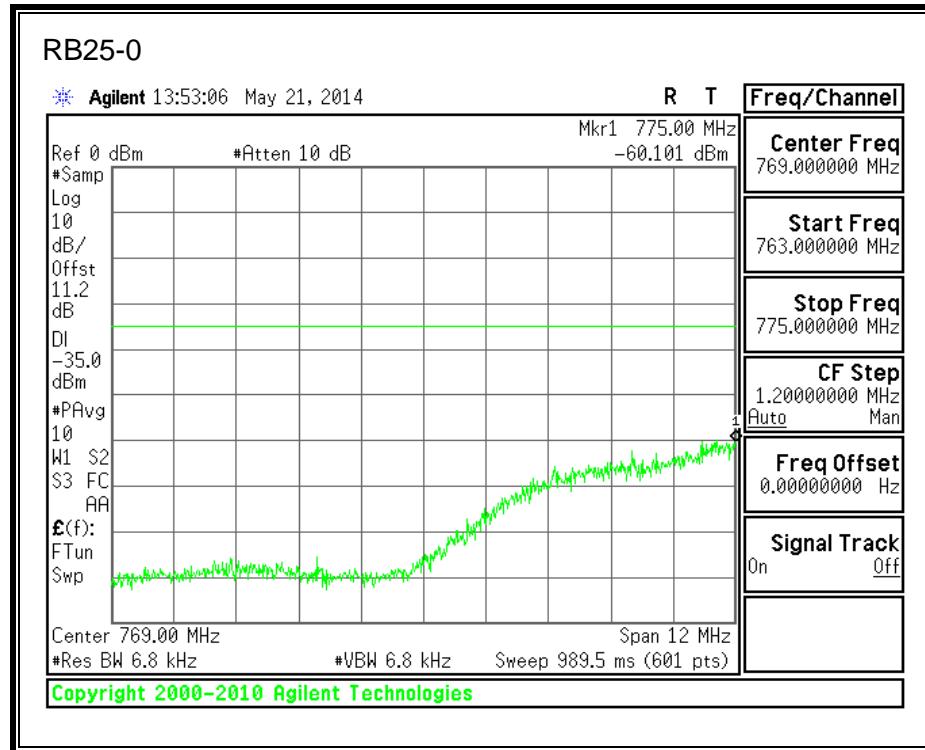
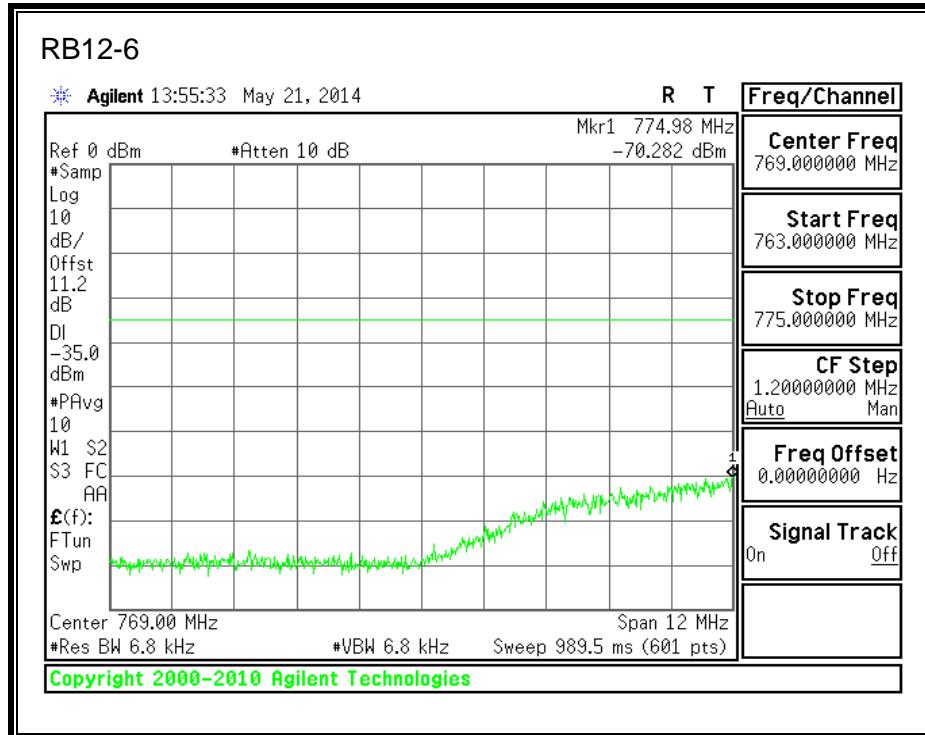
**QPSK, 784.5MHz, 763 - 775MHz, (5MHz Bandwidth)**



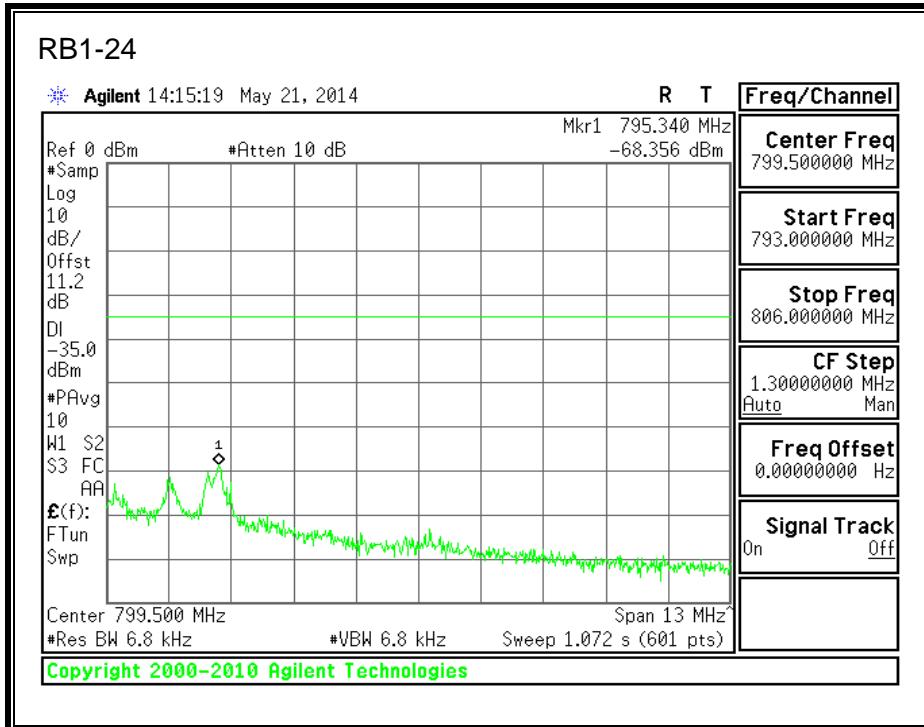
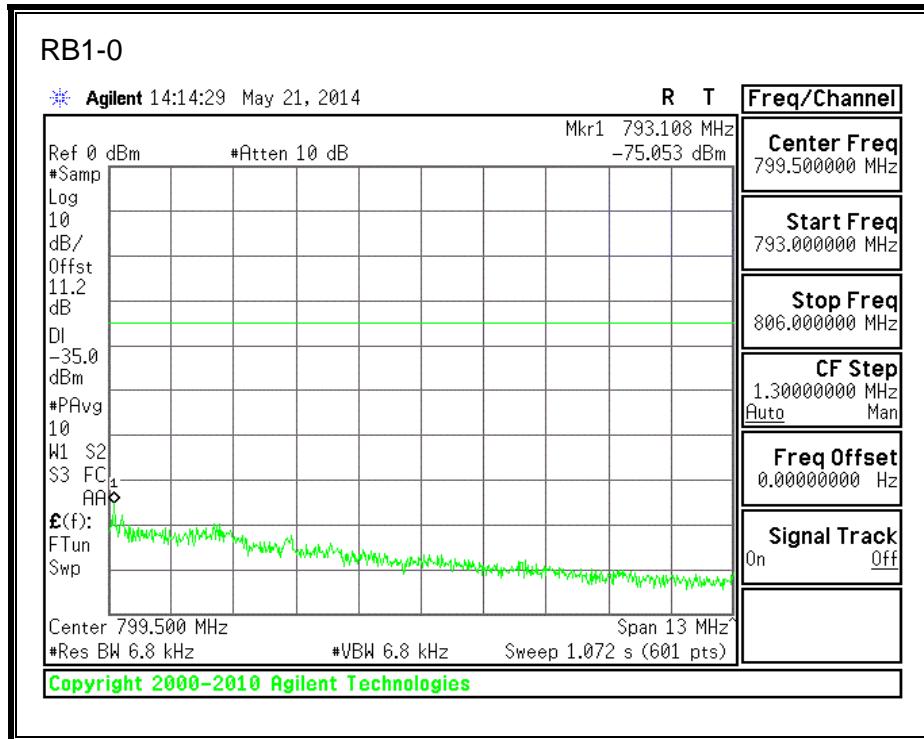


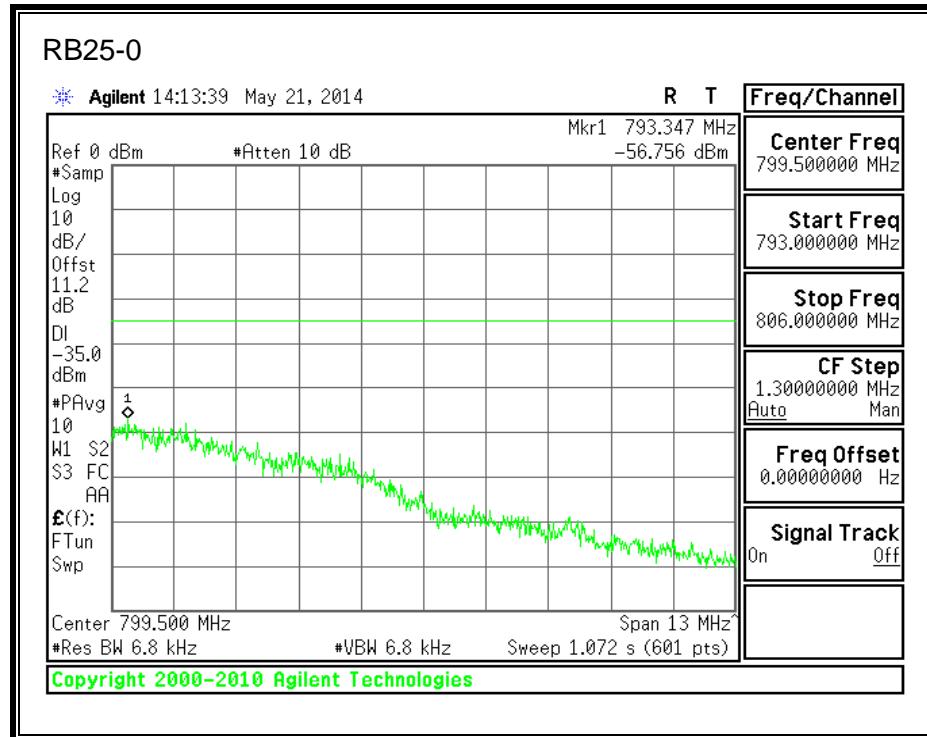
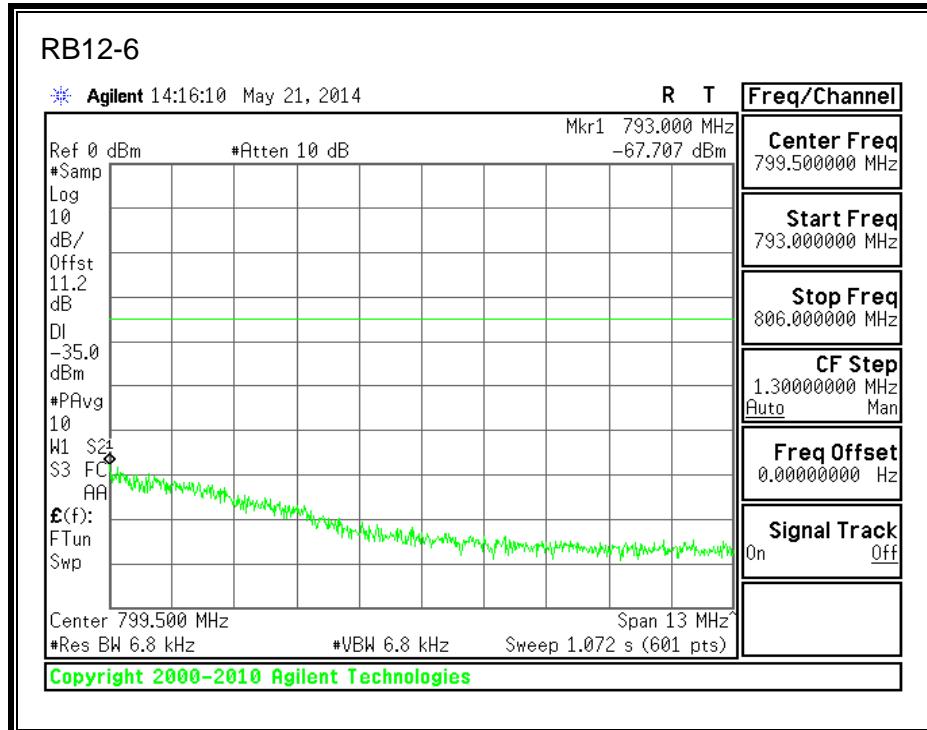
**16QAM, 784.5MHz, 763 - 775MHz, (5MHz Bandwidth)**



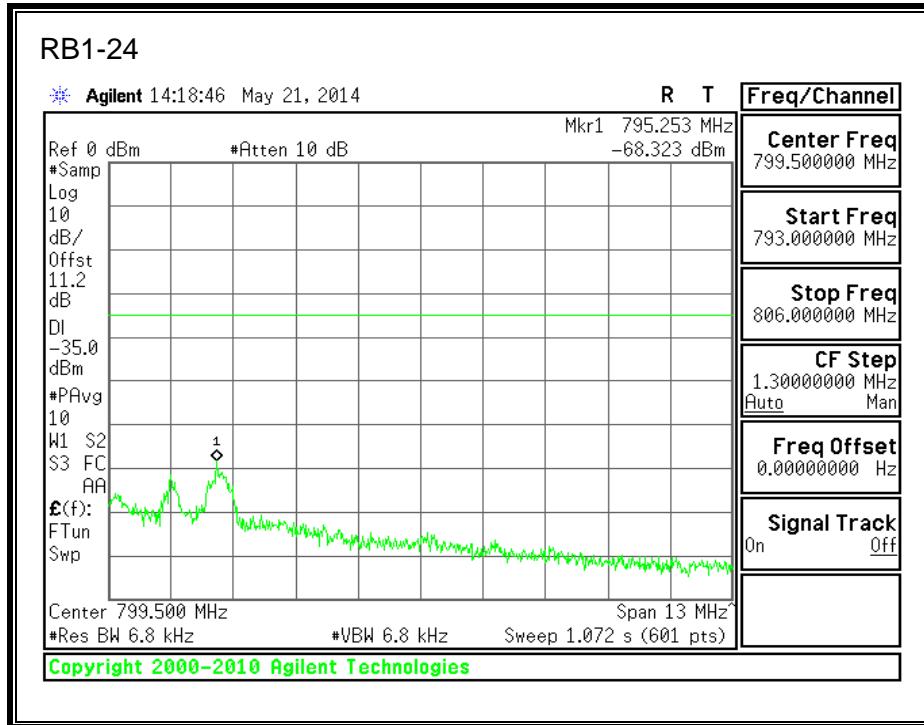
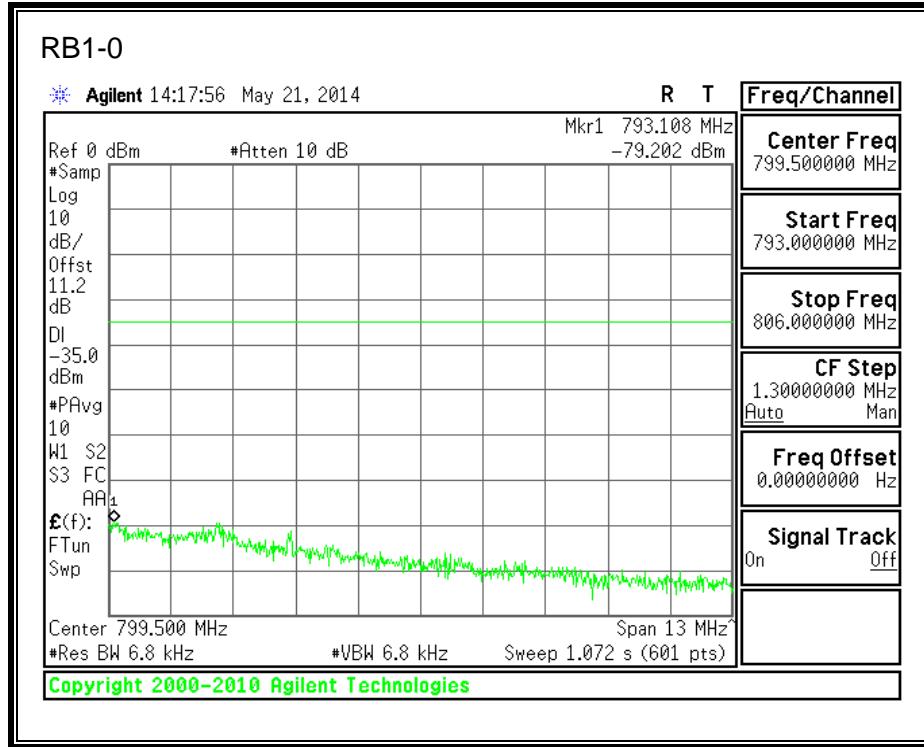


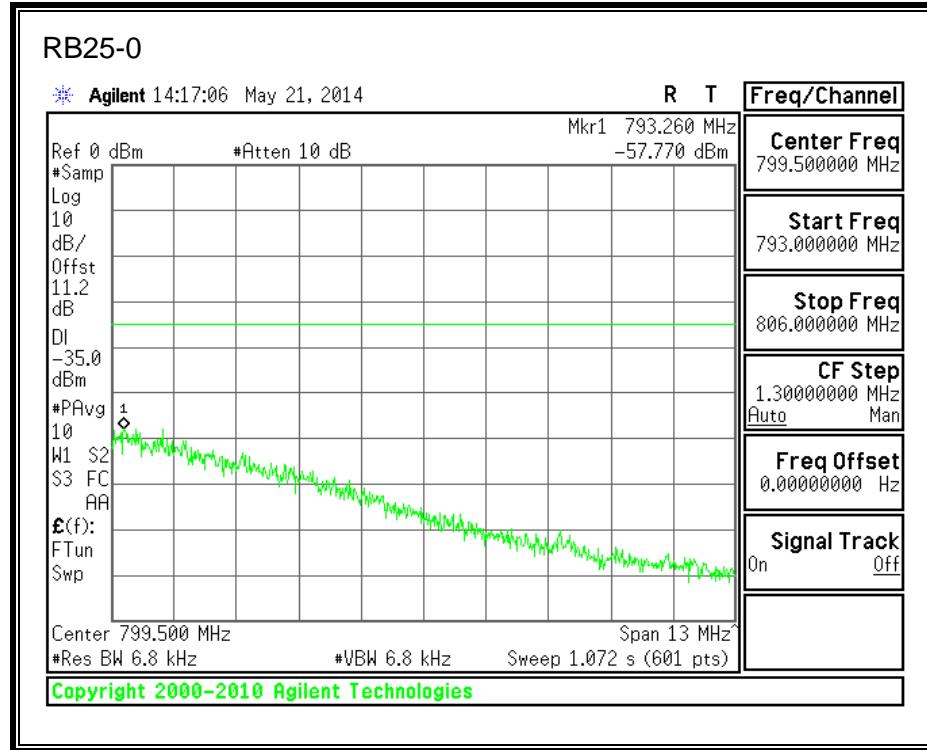
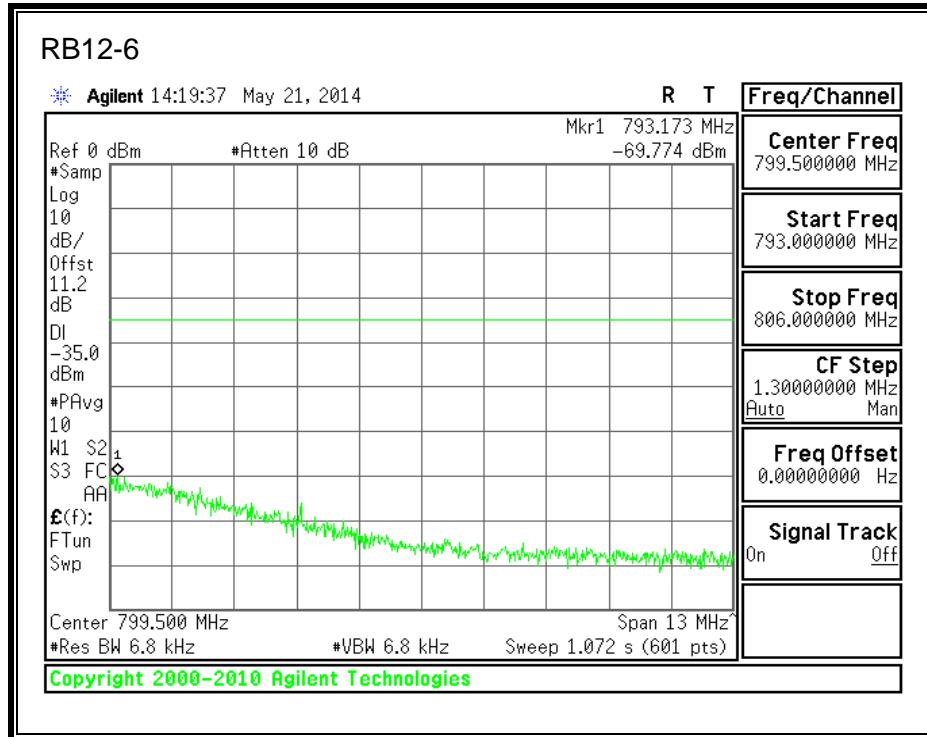
**QPSK, 784.5MHz, 793 - 806MHz, (5MHz Bandwidth)**



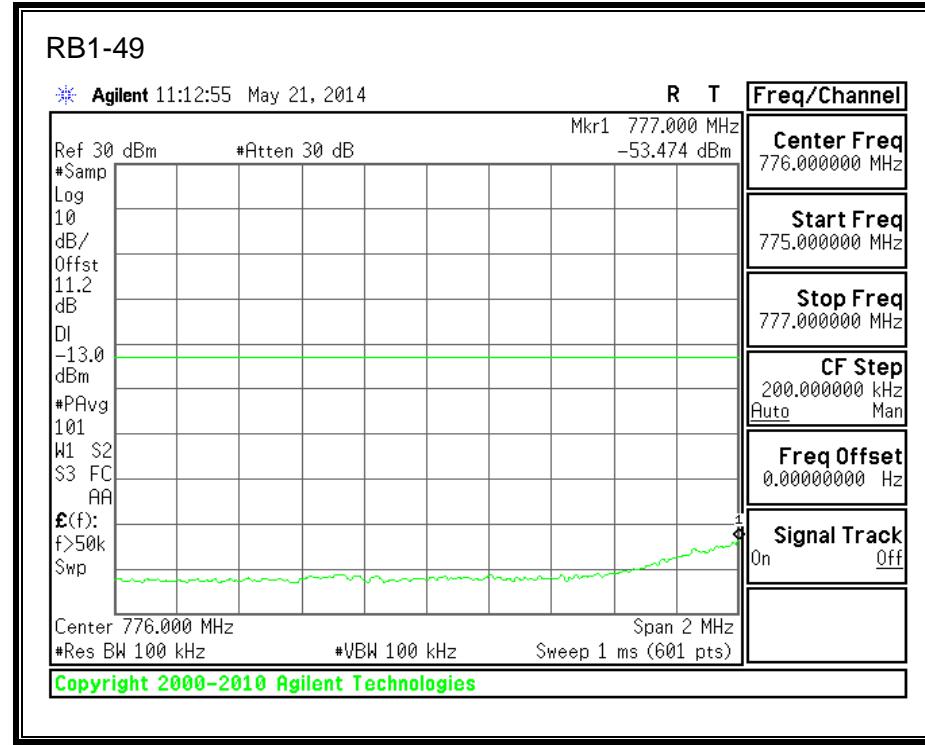
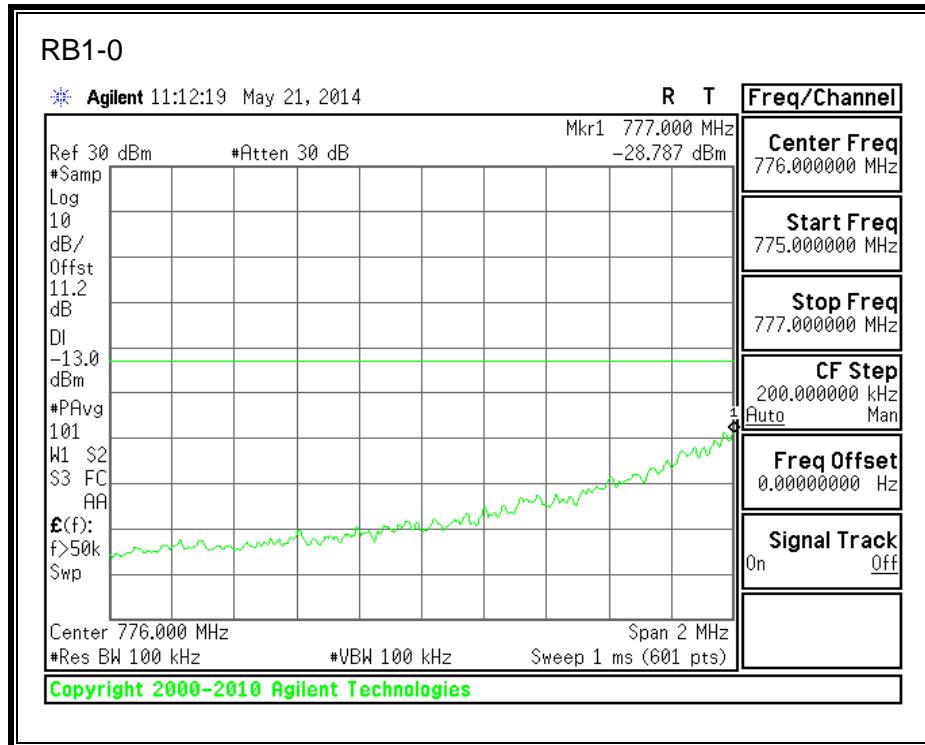


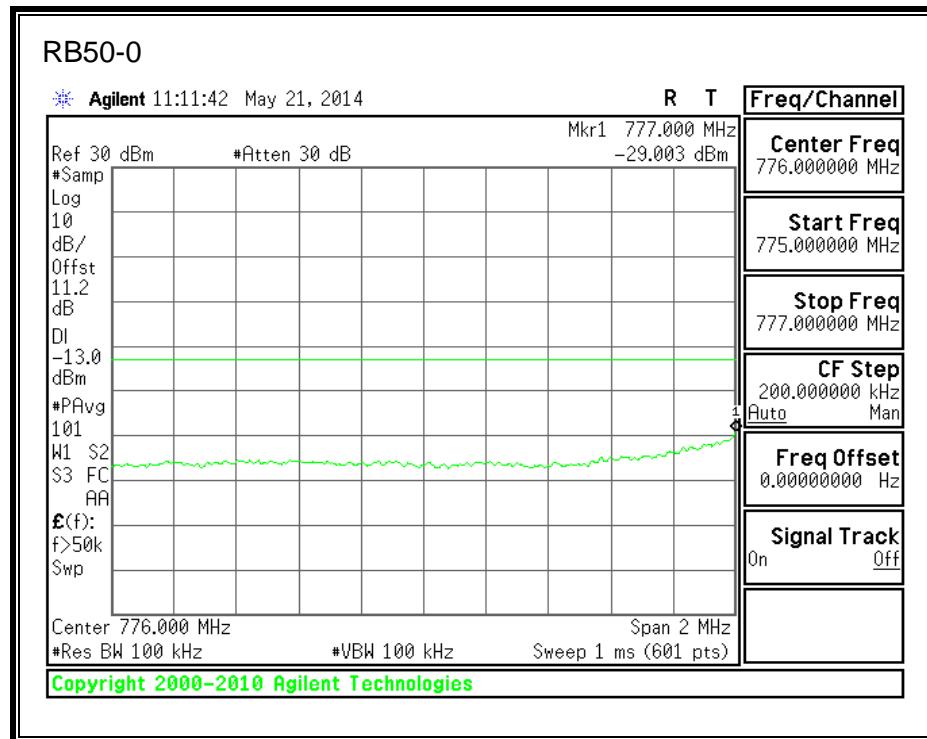
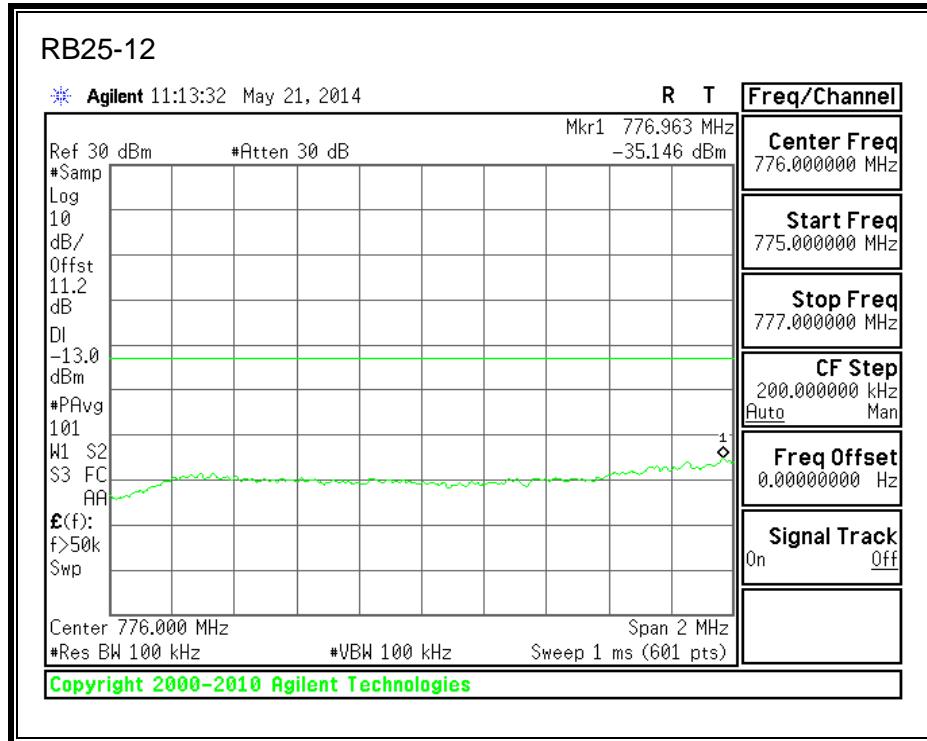
**16QAM, 784.5MHz, 793 - 806MHz, (5MHz Bandwidth)**



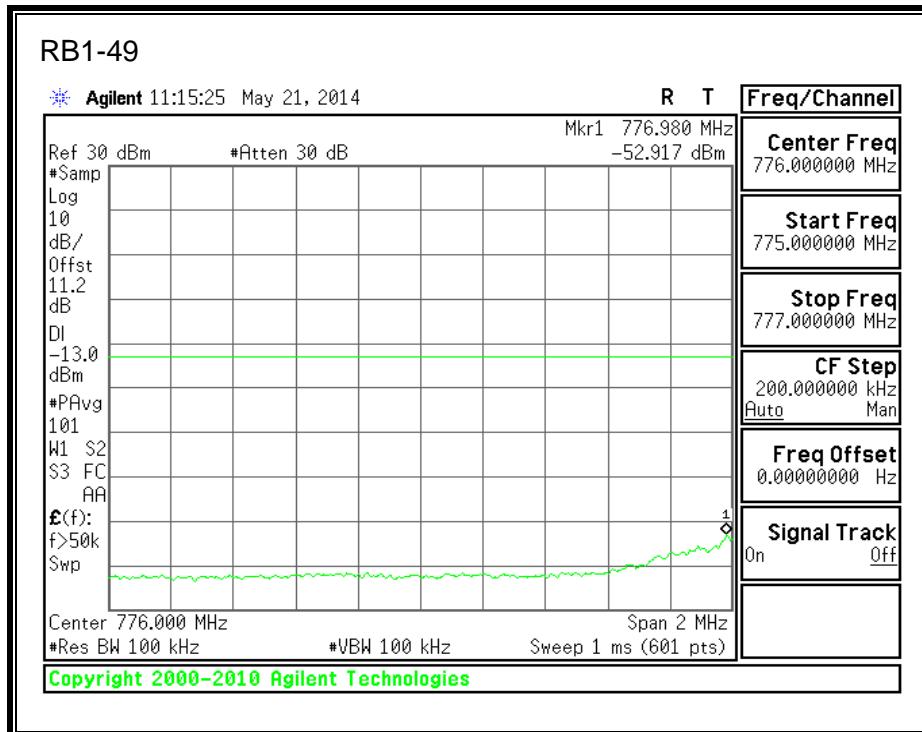
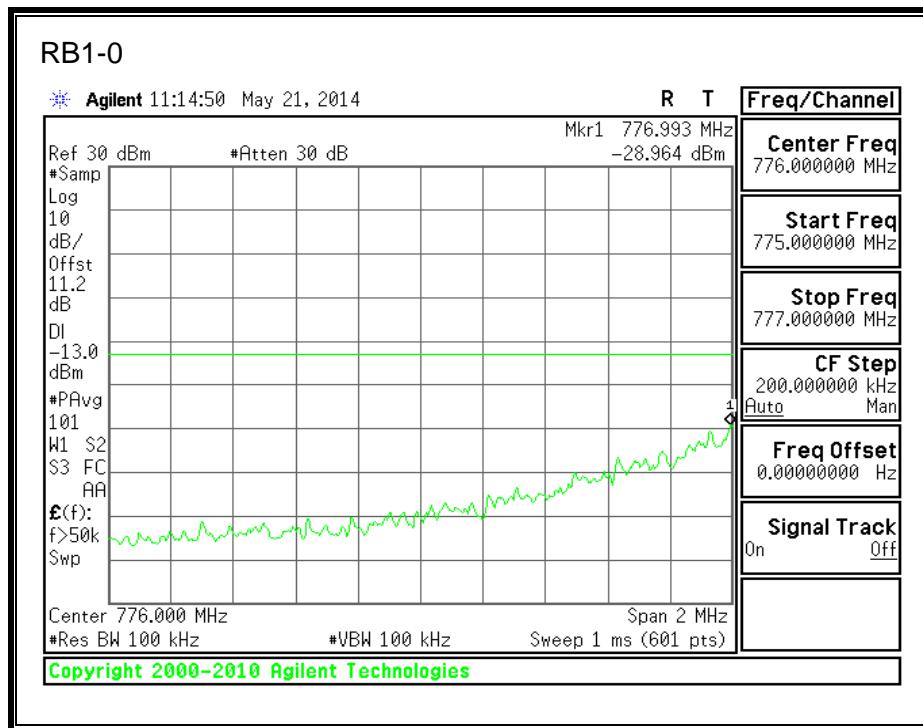


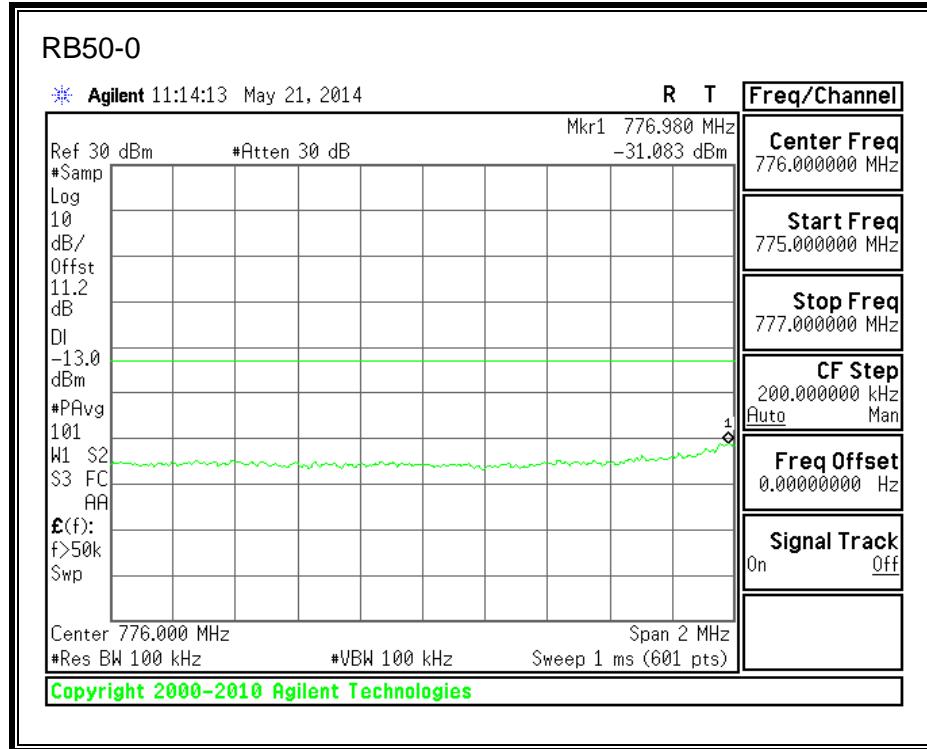
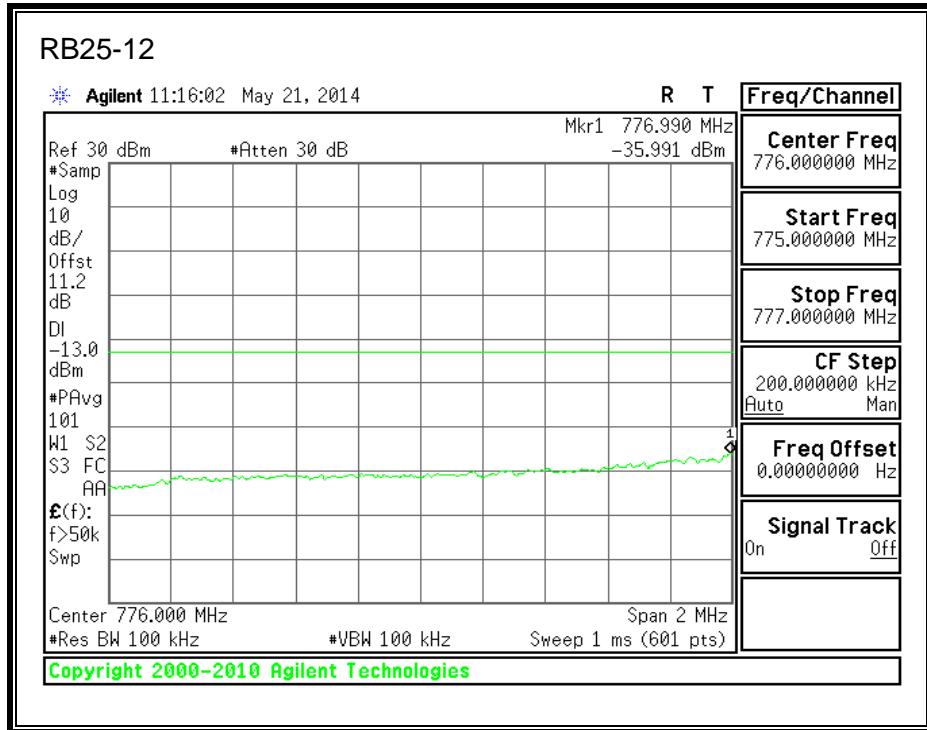
**QPSK, 782MHz, 775 - 777MHz, (10MHz Bandwidth)**



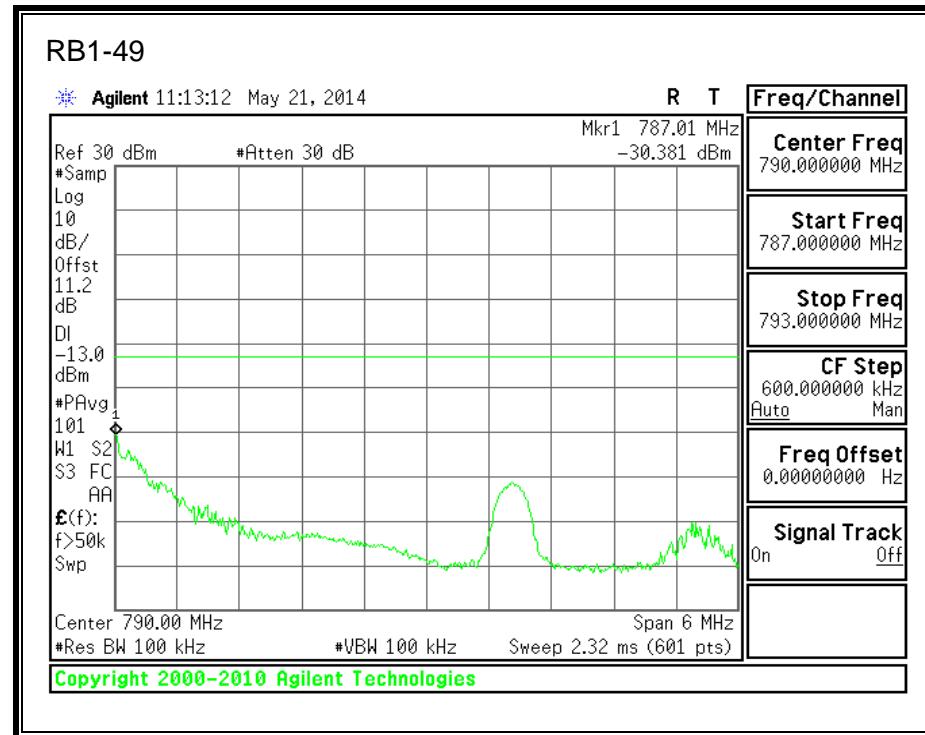
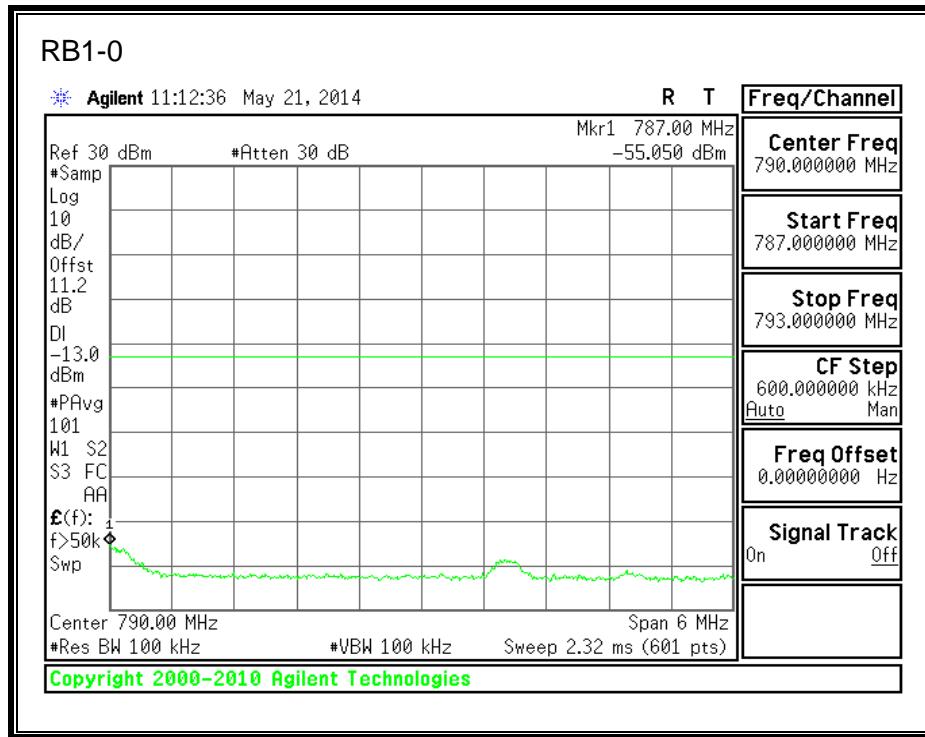


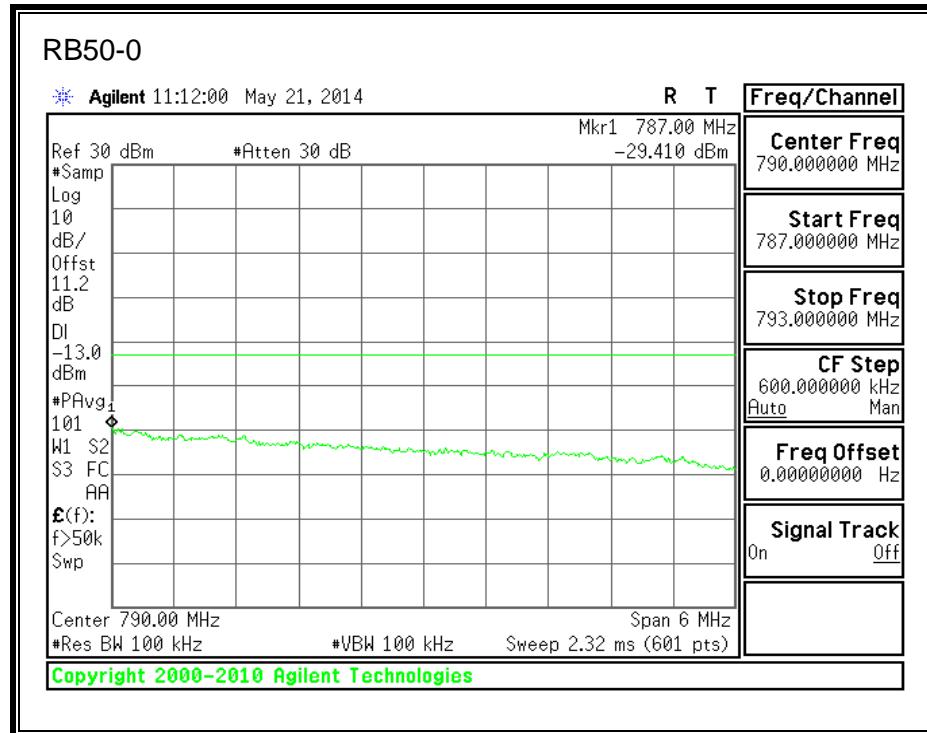
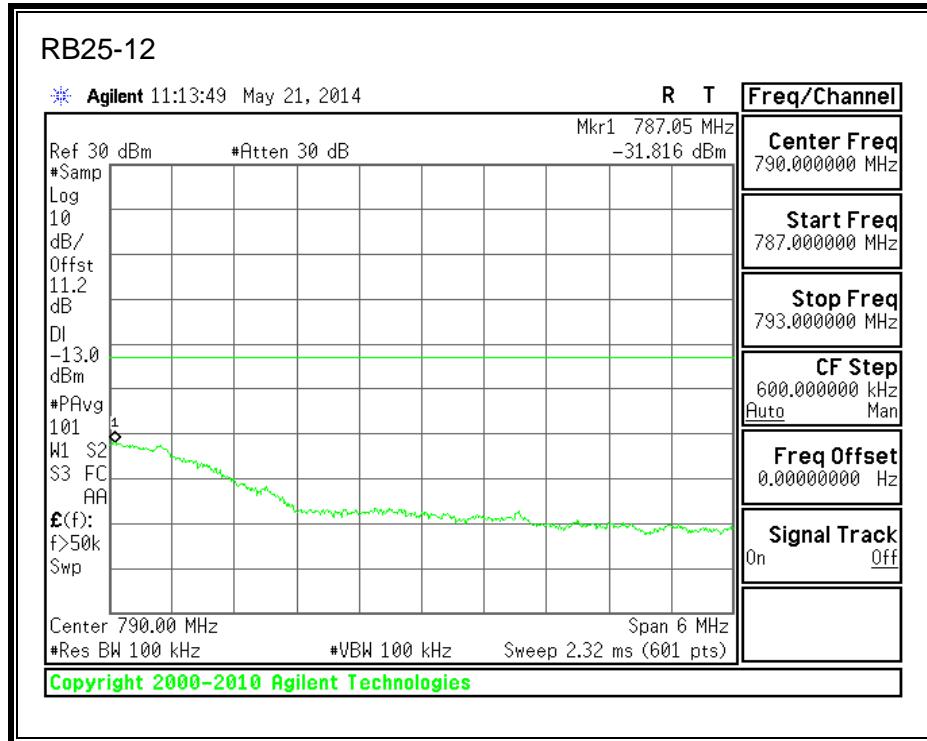
**16QAM, 782MHz, 775 - 777MHz, (10MHz Bandwidth)**



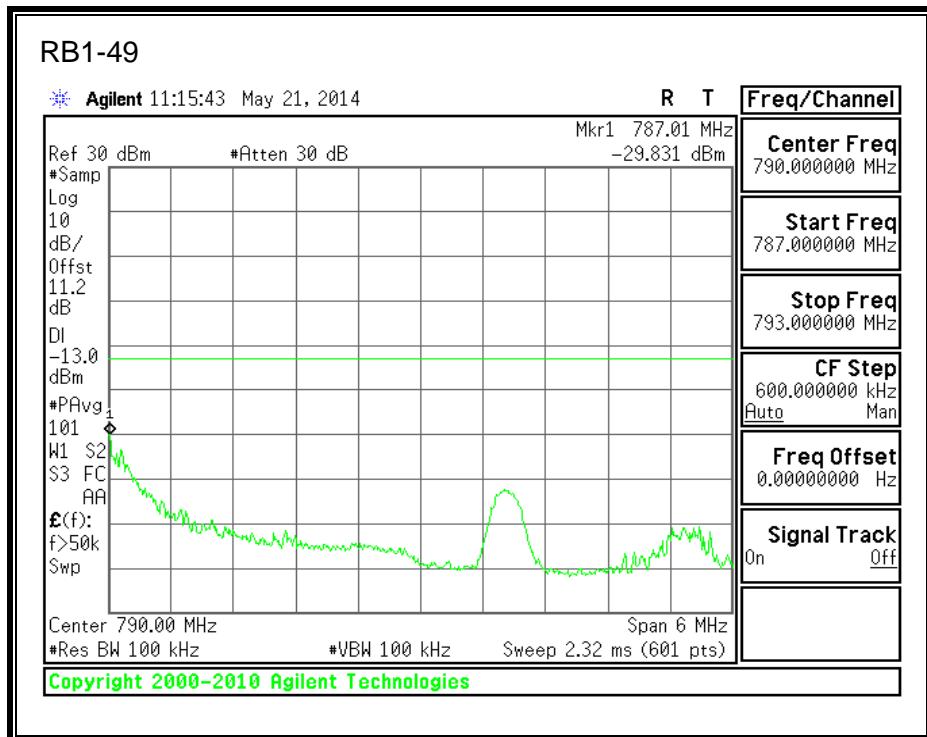
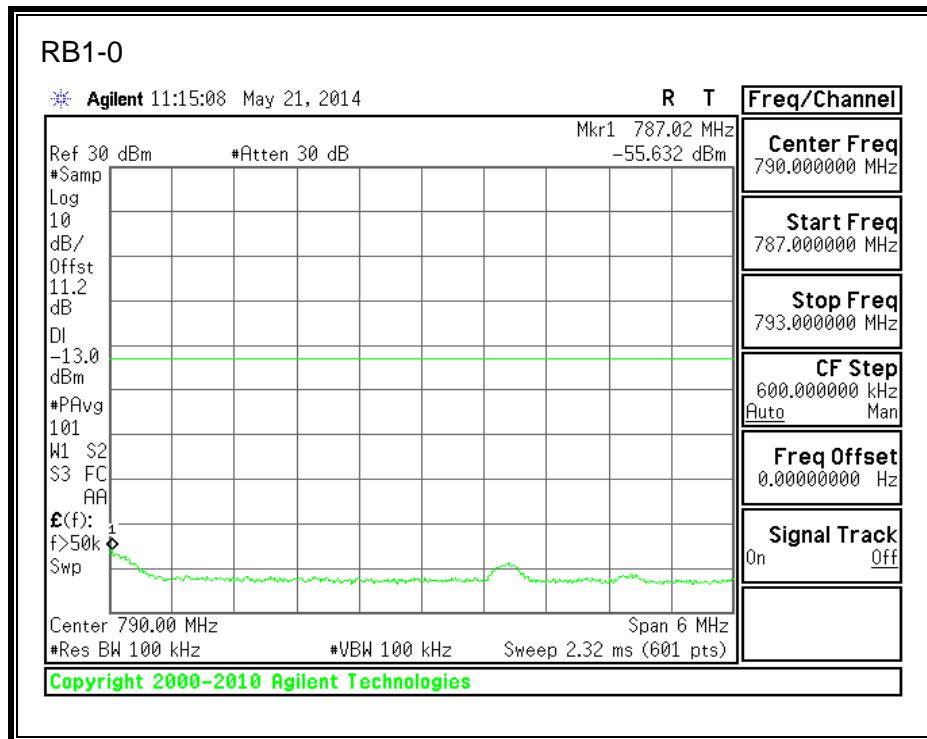


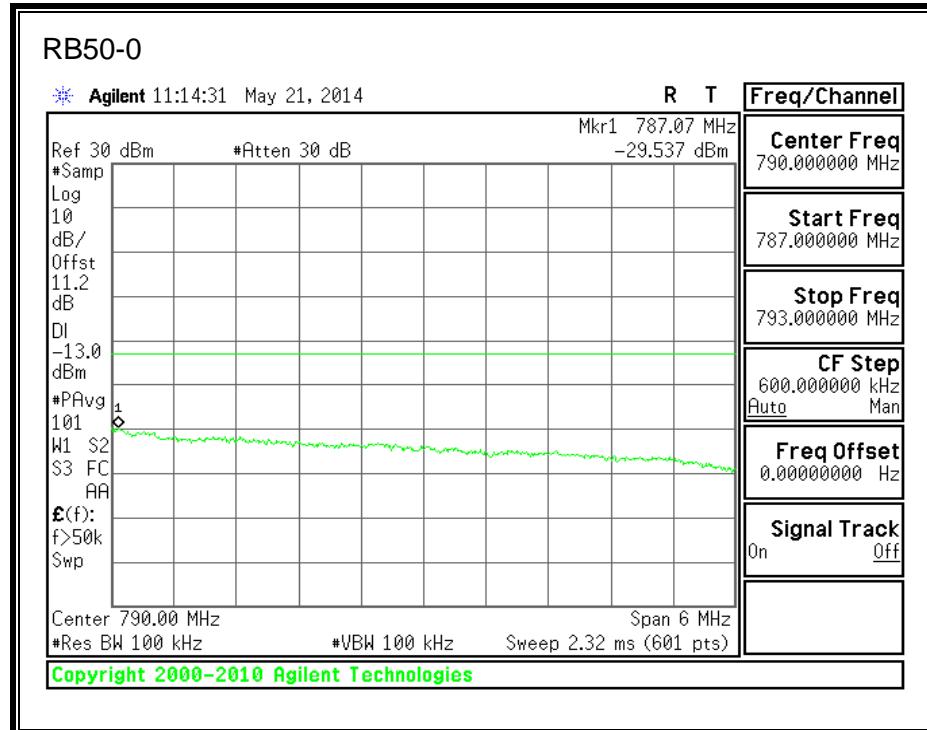
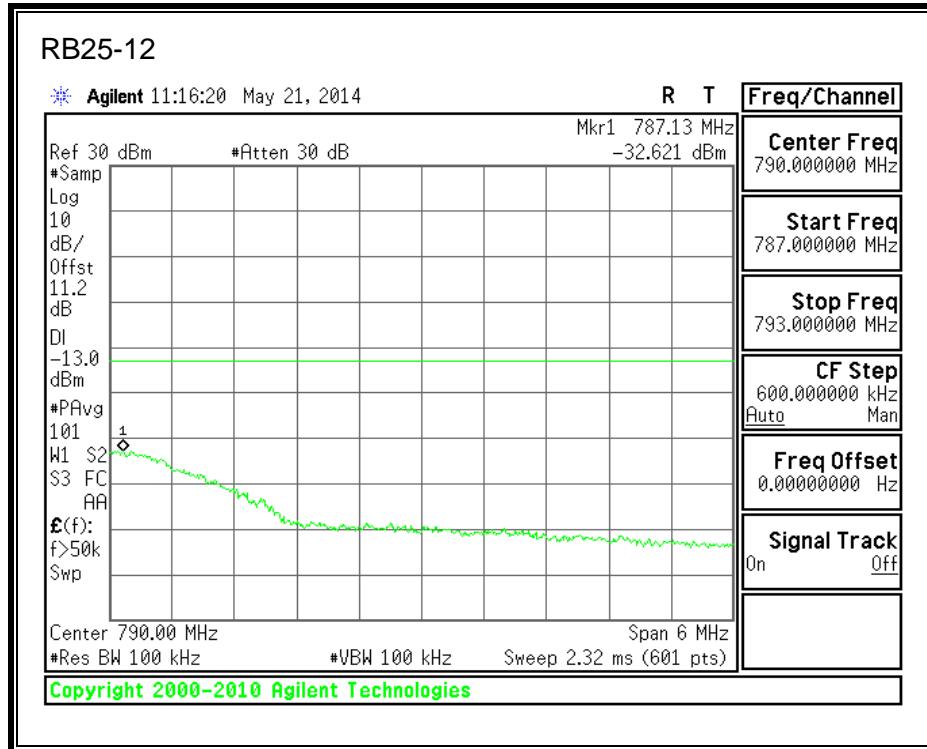
**QPSK, 782MHz, 787 - 793MHz, (10MHz Bandwidth)**



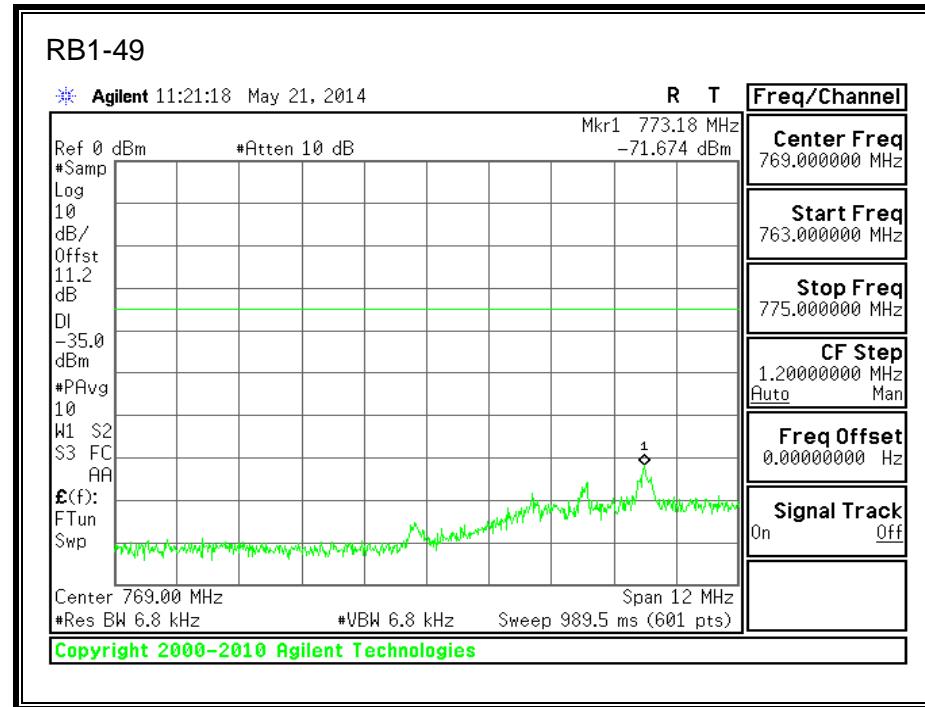
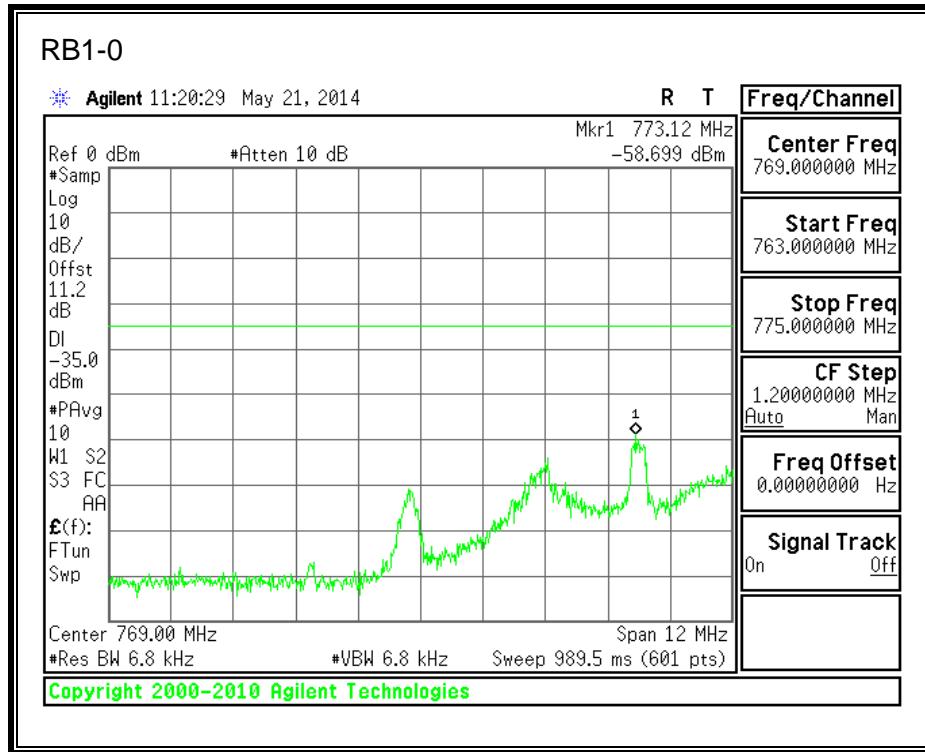


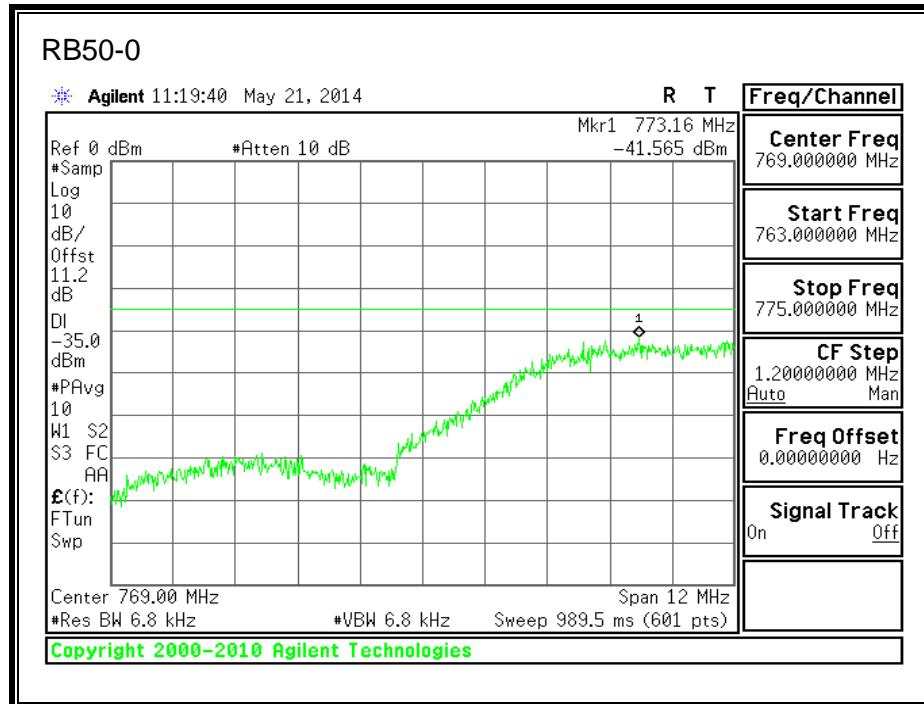
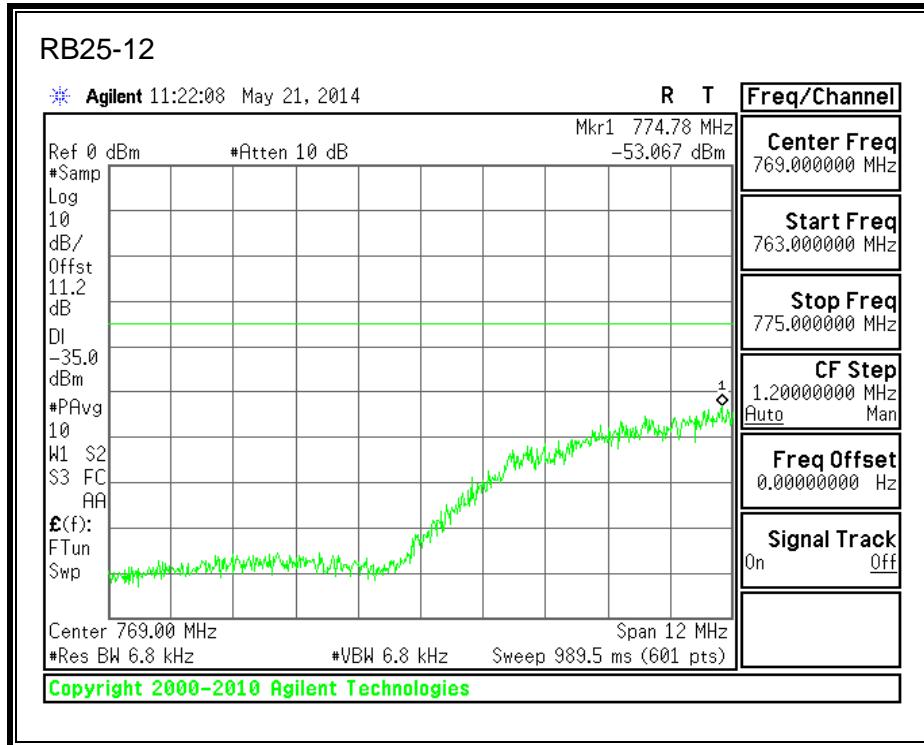
**16QAM, 782MHz, 787 - 793MHz, (10MHz Bandwidth)**



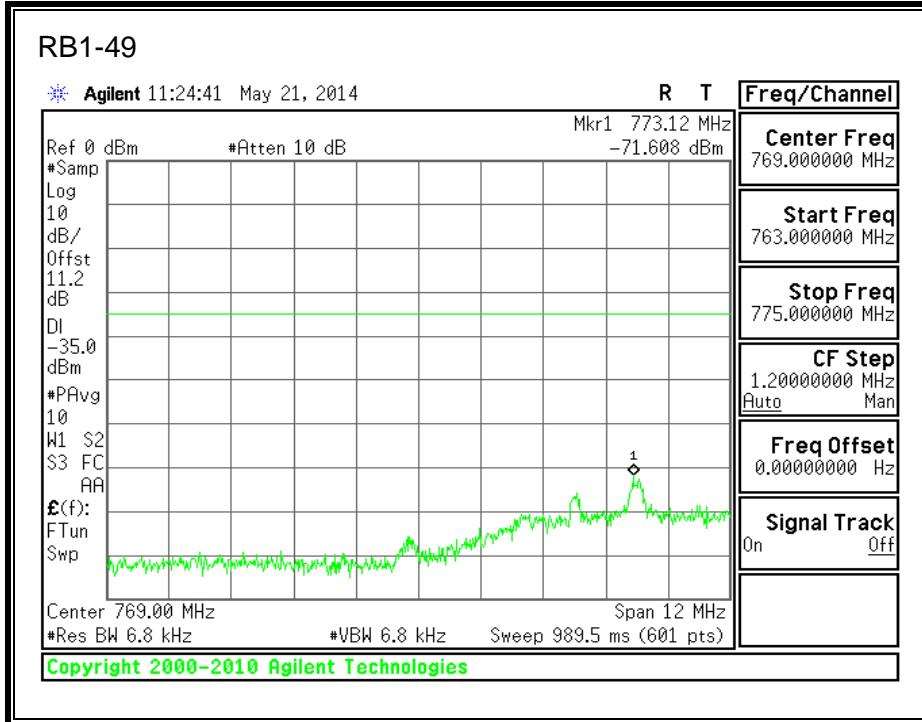
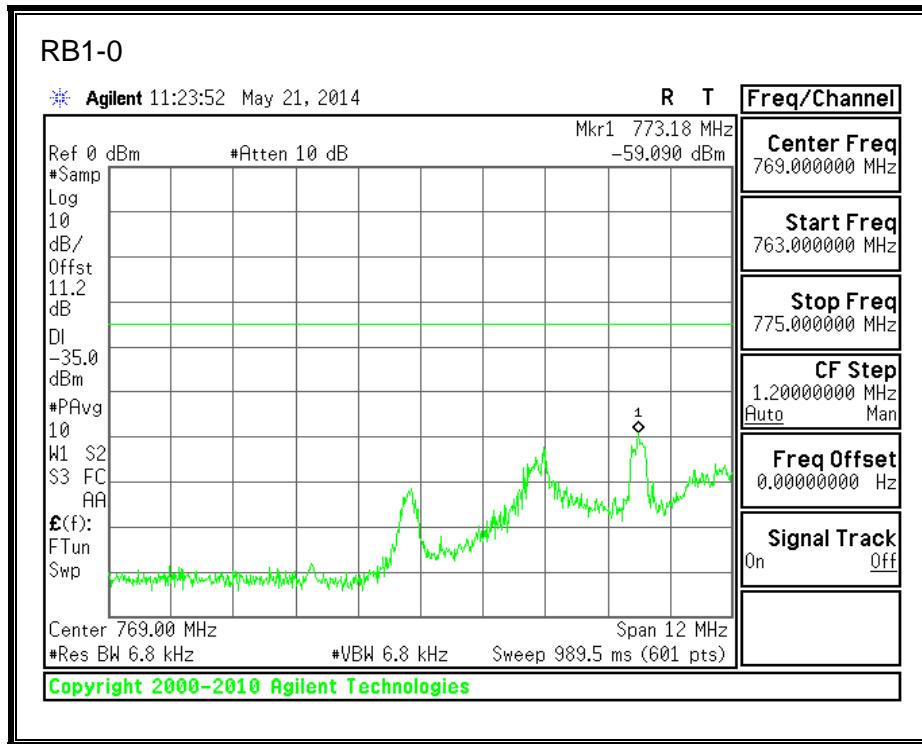


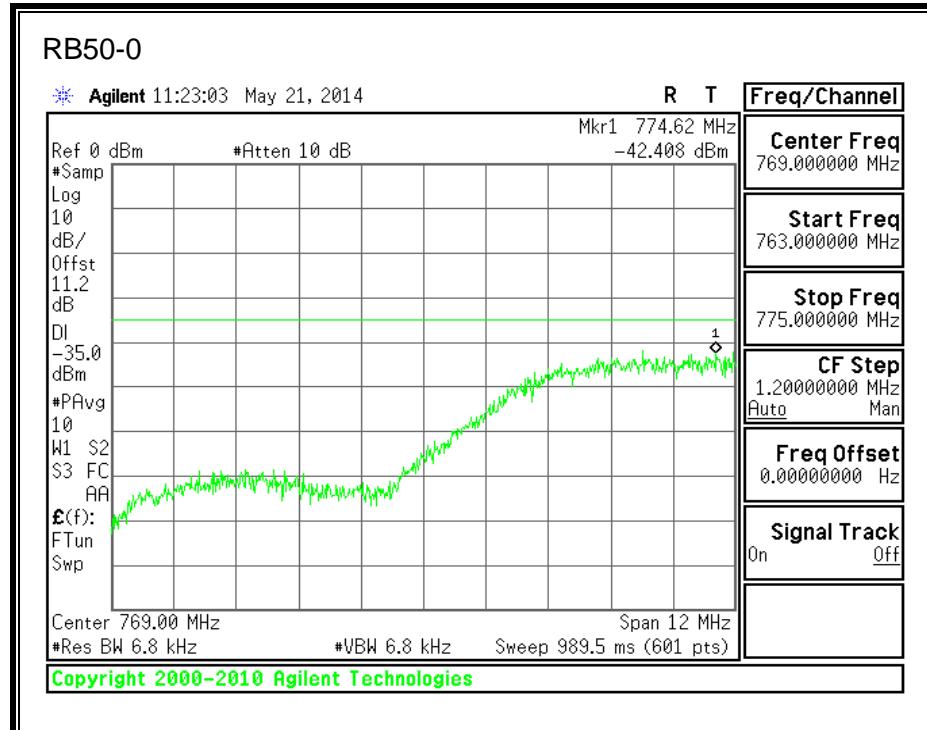
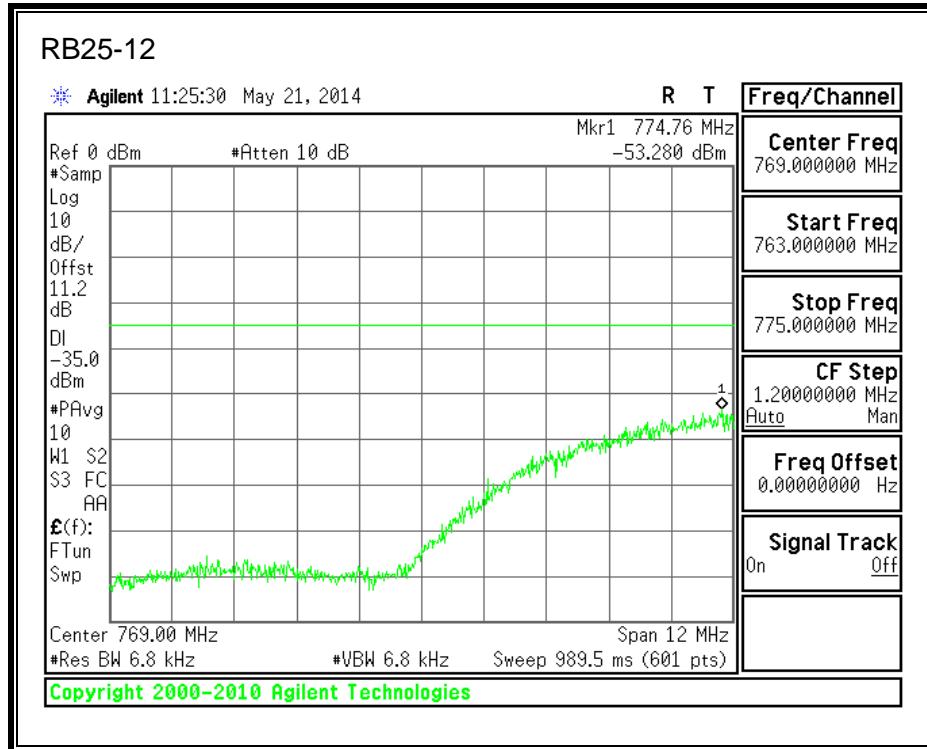
**QPSK, 782MHz, 763 - 775MHz, (10MHz Bandwidth)**



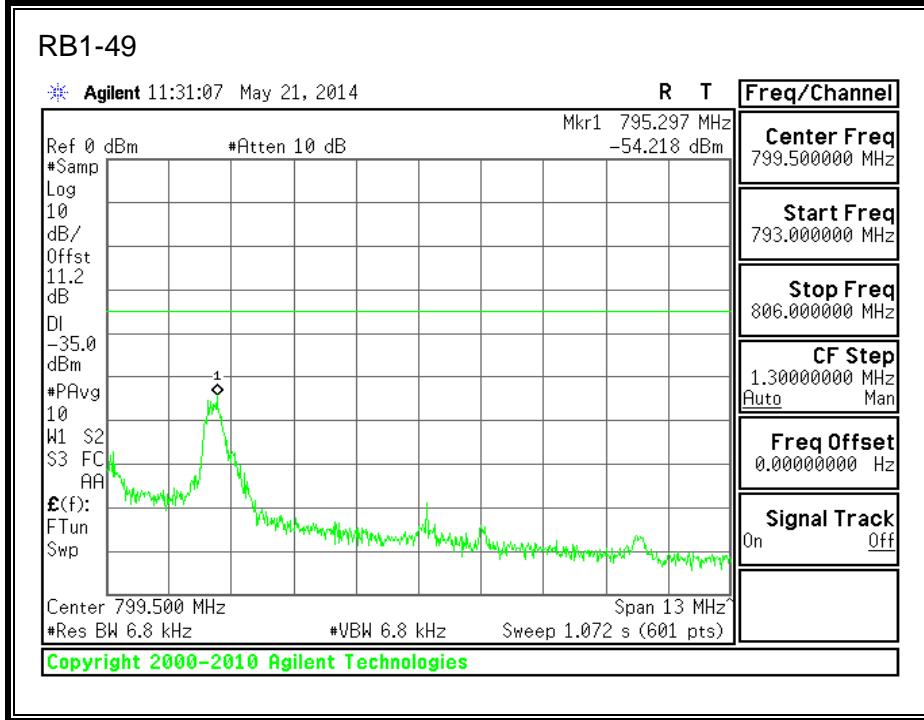
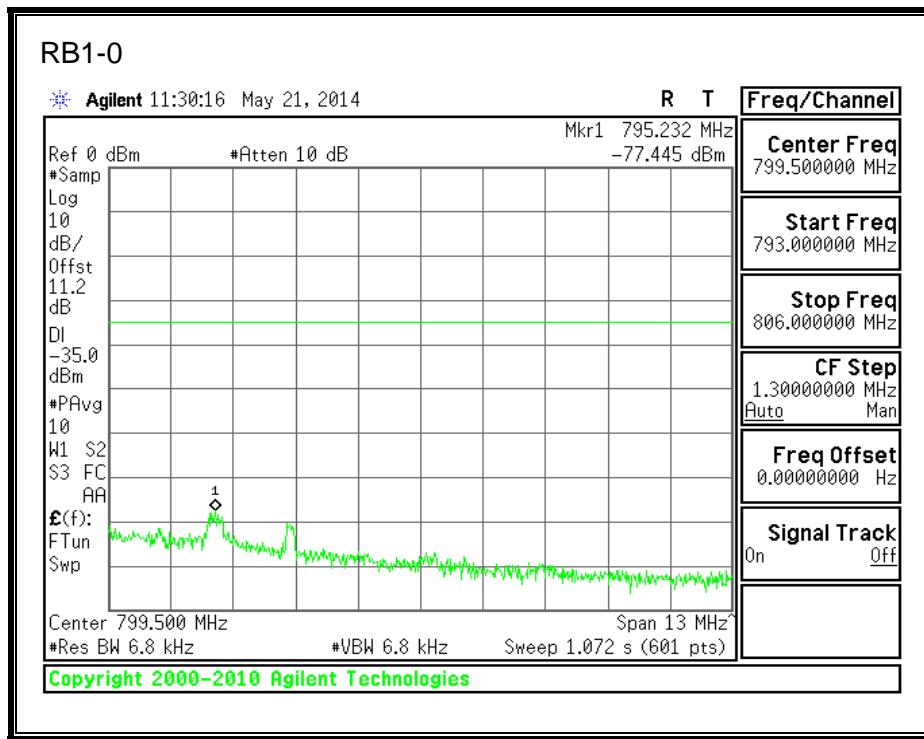


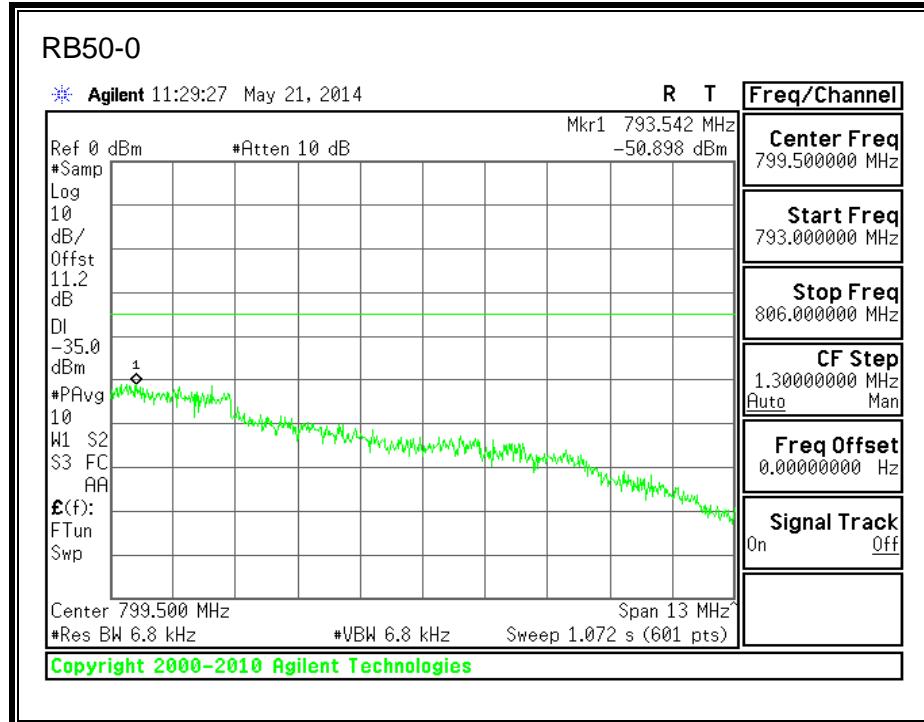
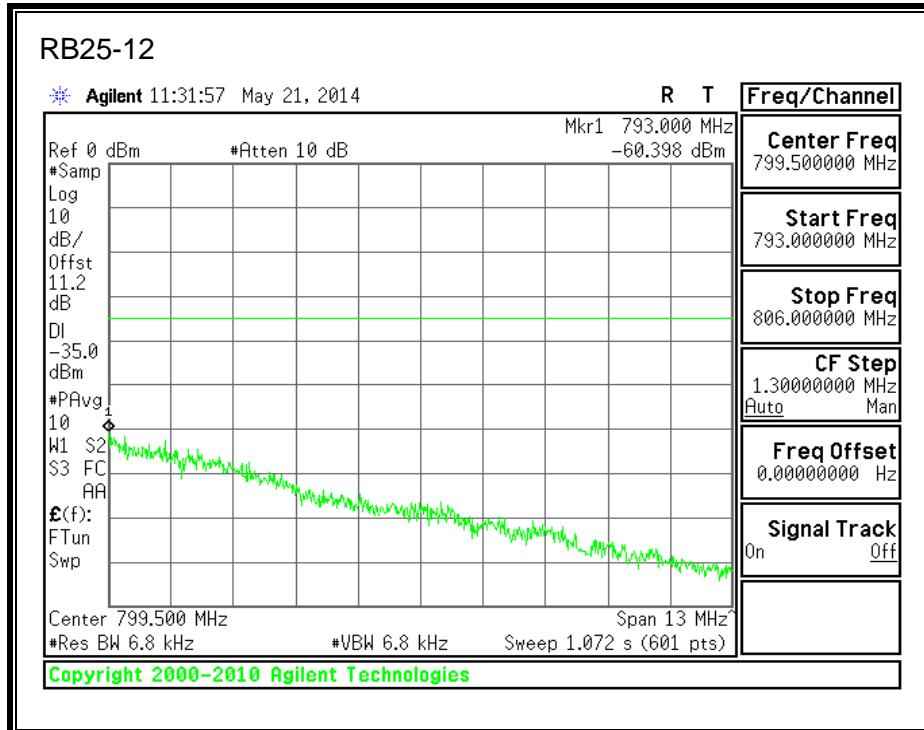
**16QAM, 782MHz, 763 - 775MHz, (10MHz Bandwidth)**



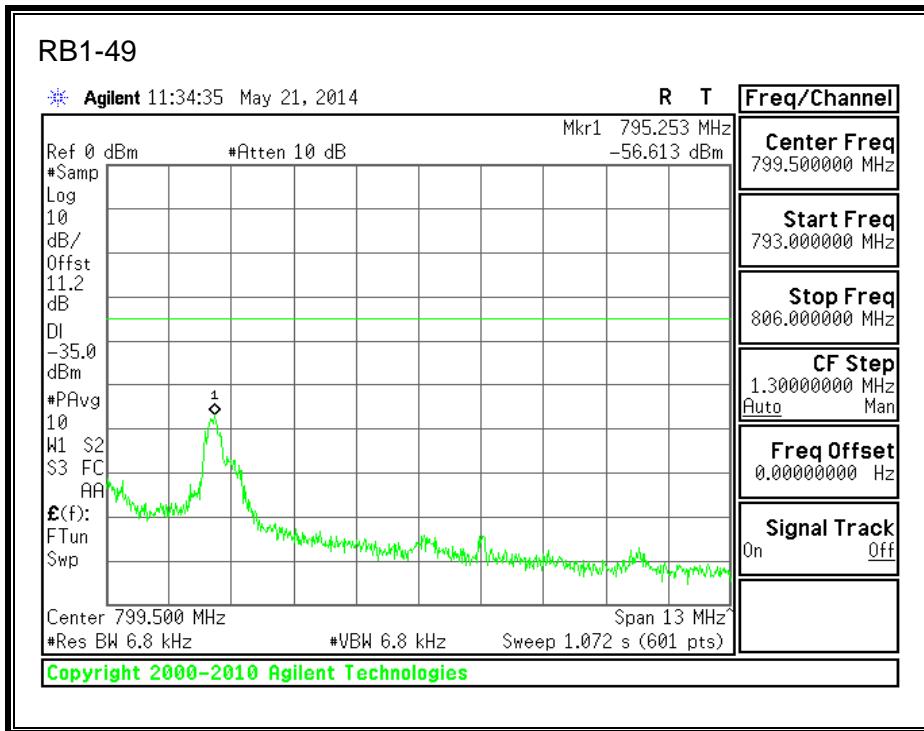
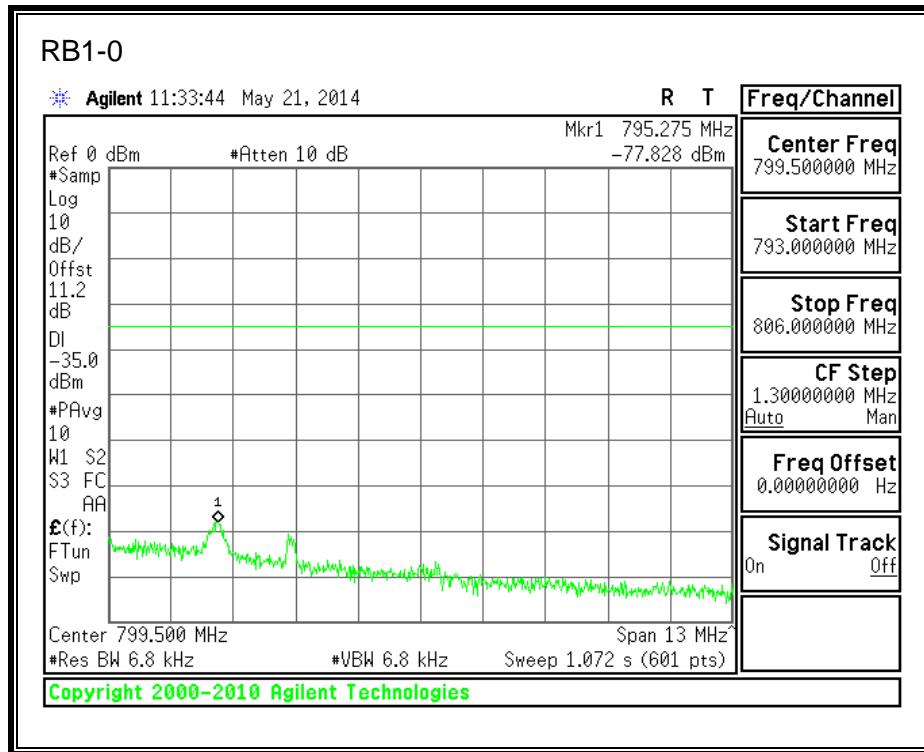


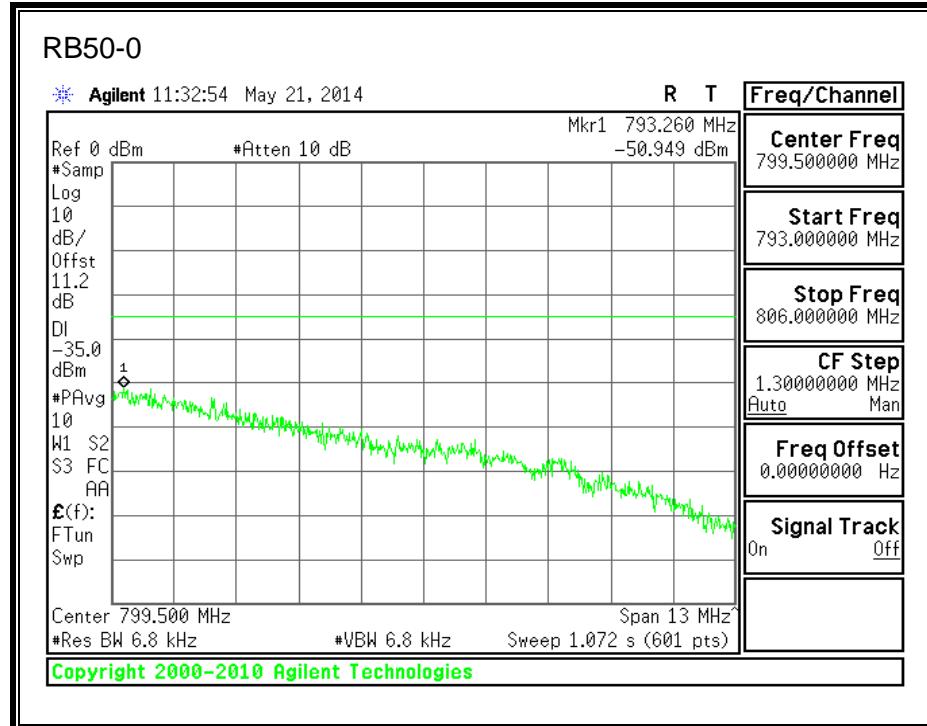
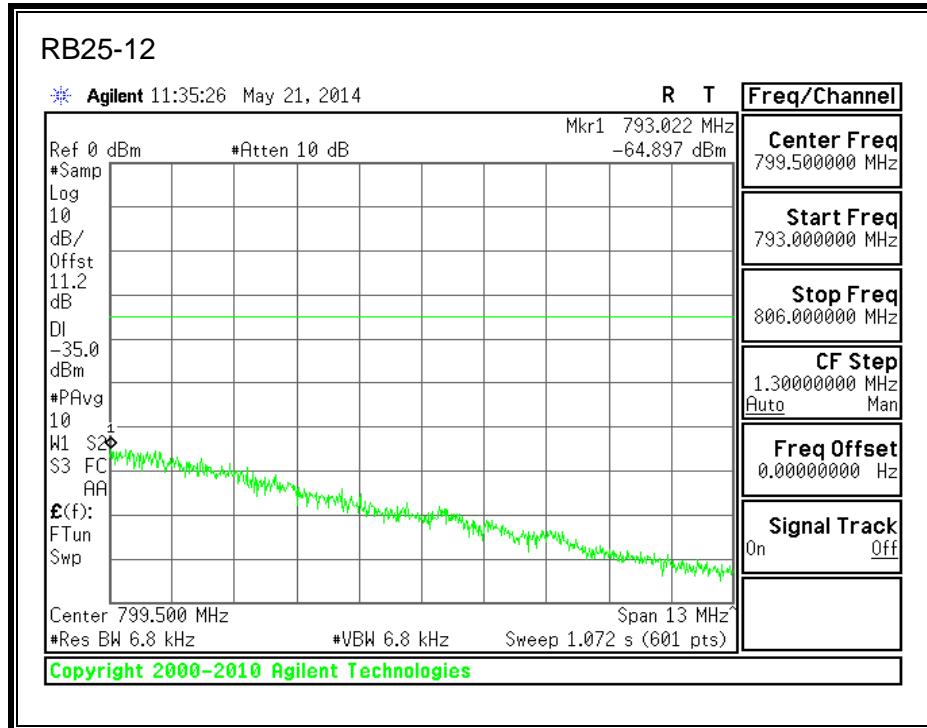
**QPSK, 782MHz, 793 - 806MHz, (10MHz Bandwidth)**





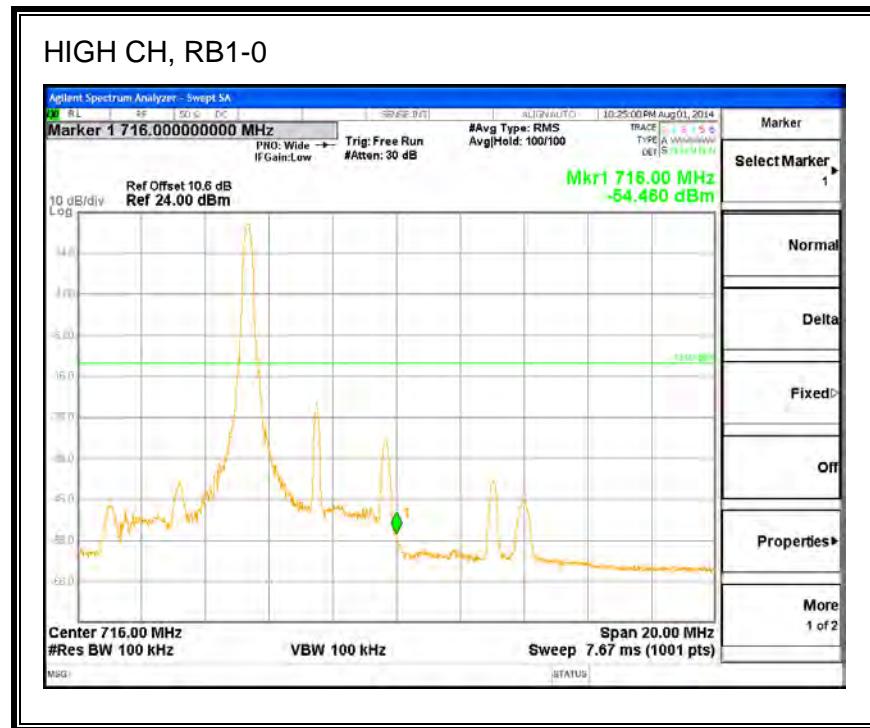
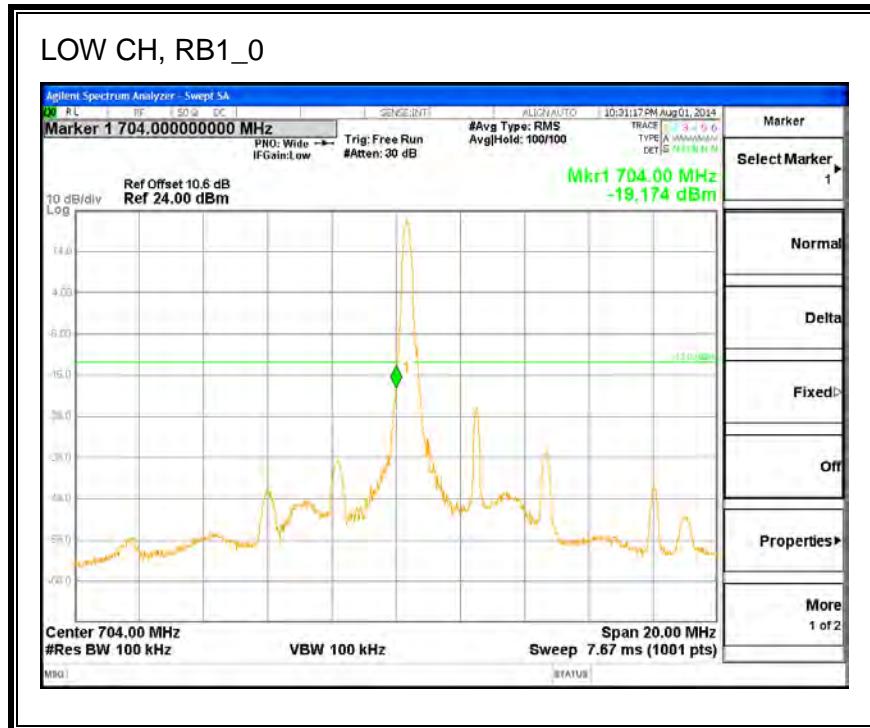
**16QAM, 782MHz, 793 - 806MHz, (10MHz Bandwidth)**

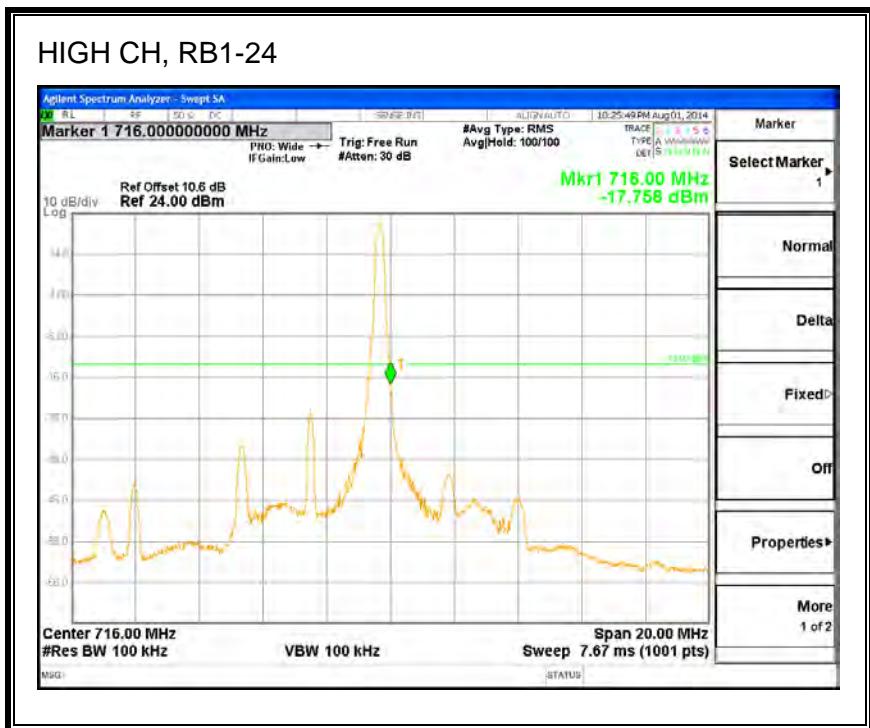
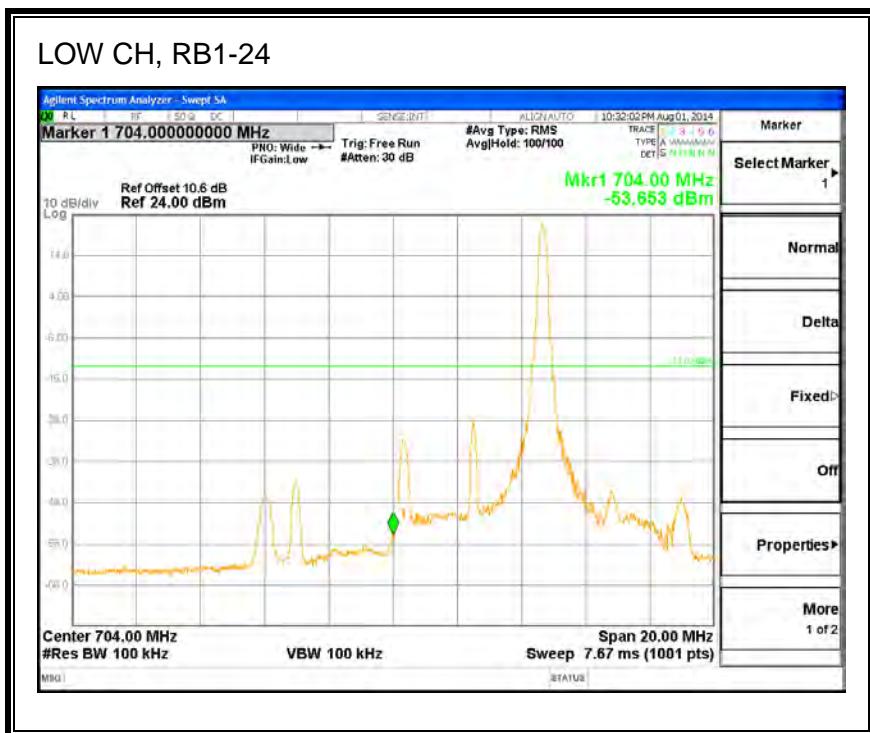


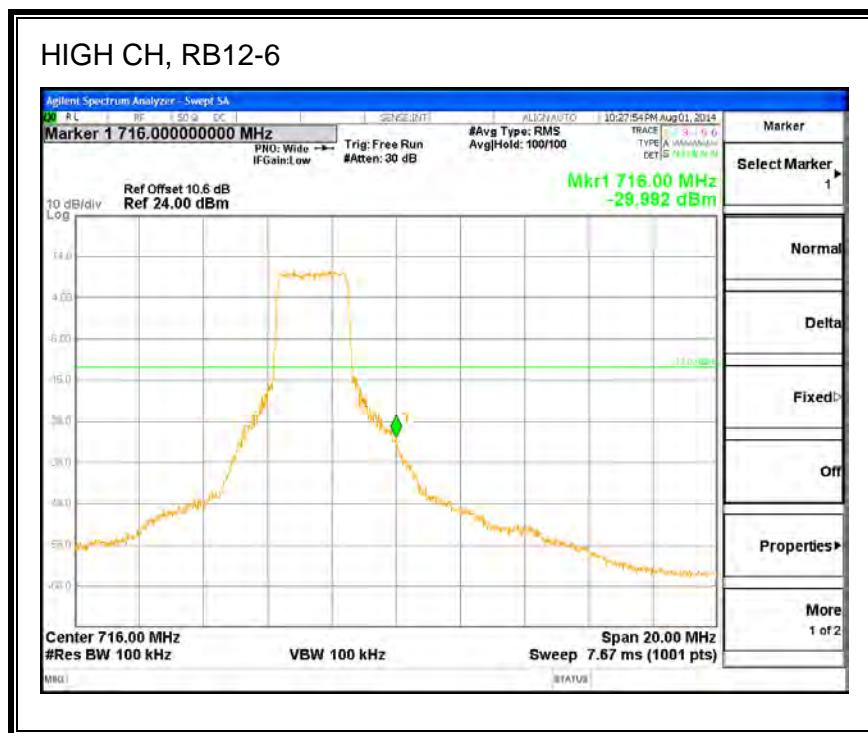
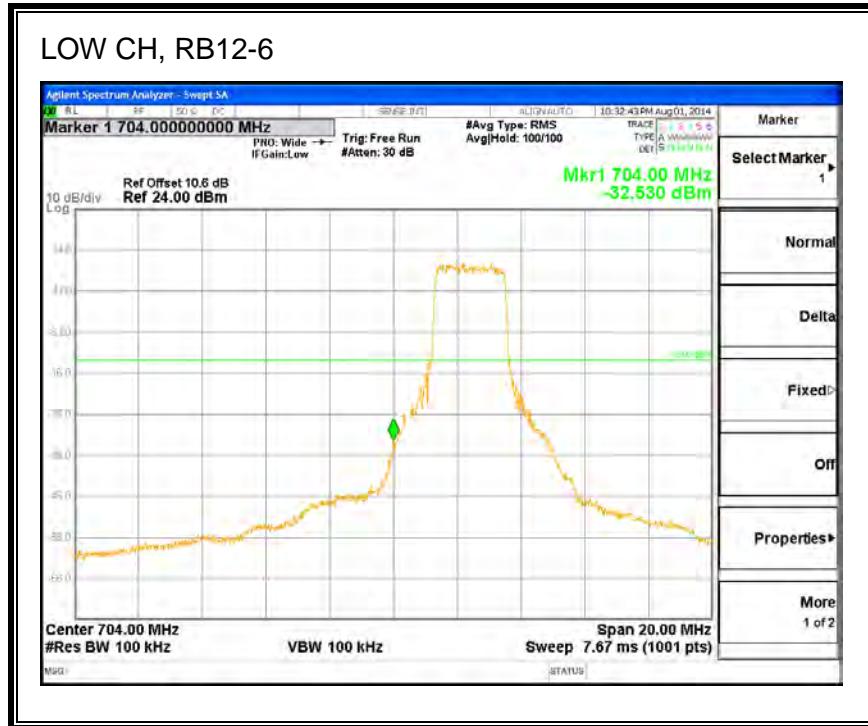


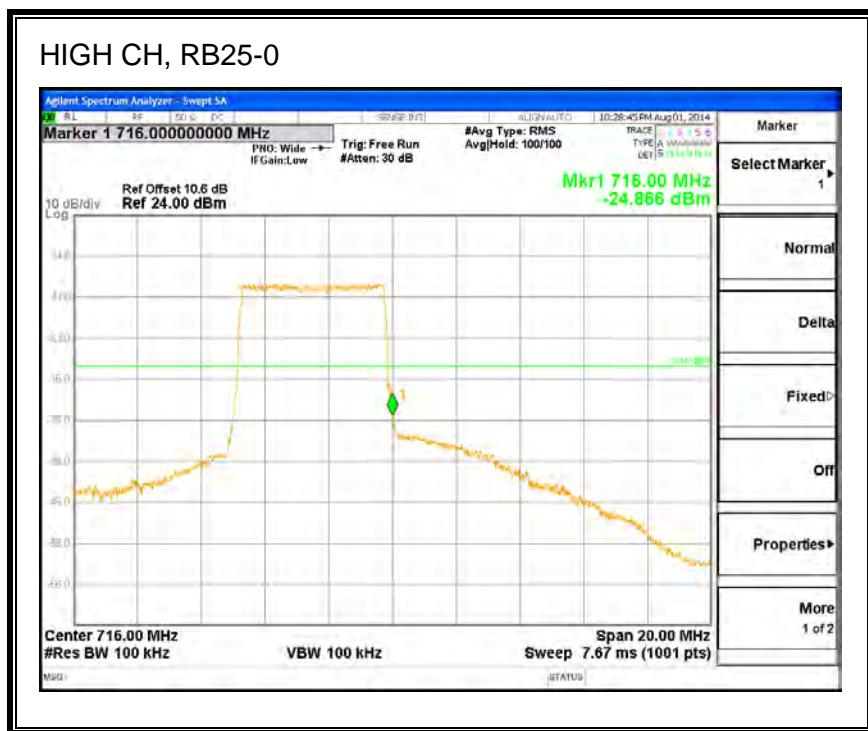
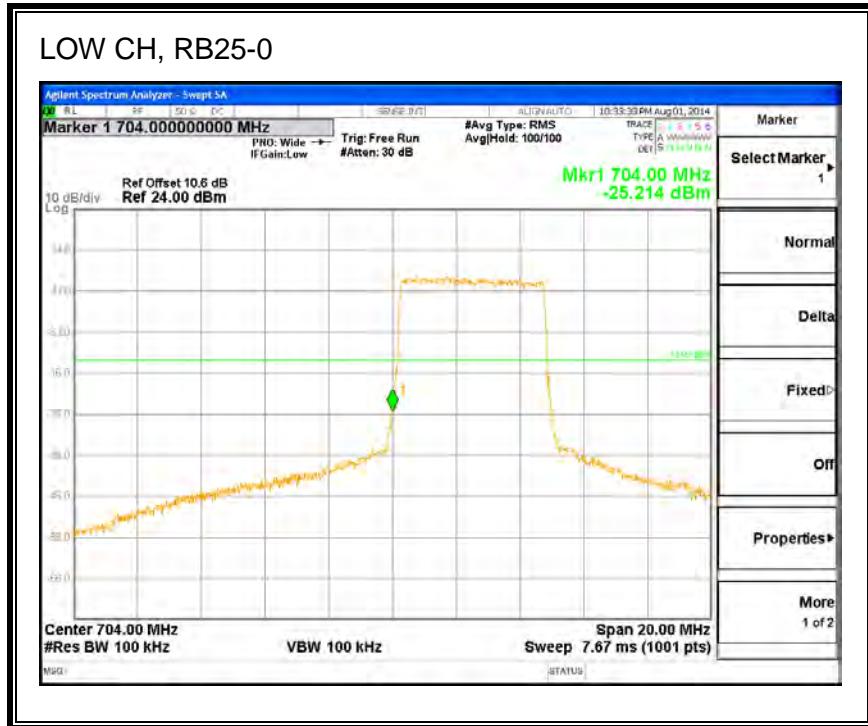
## 8.2.5. LTE BAND 17 BANDEDGE

### QPSK, (5.0 MHz BAND WIDTH)

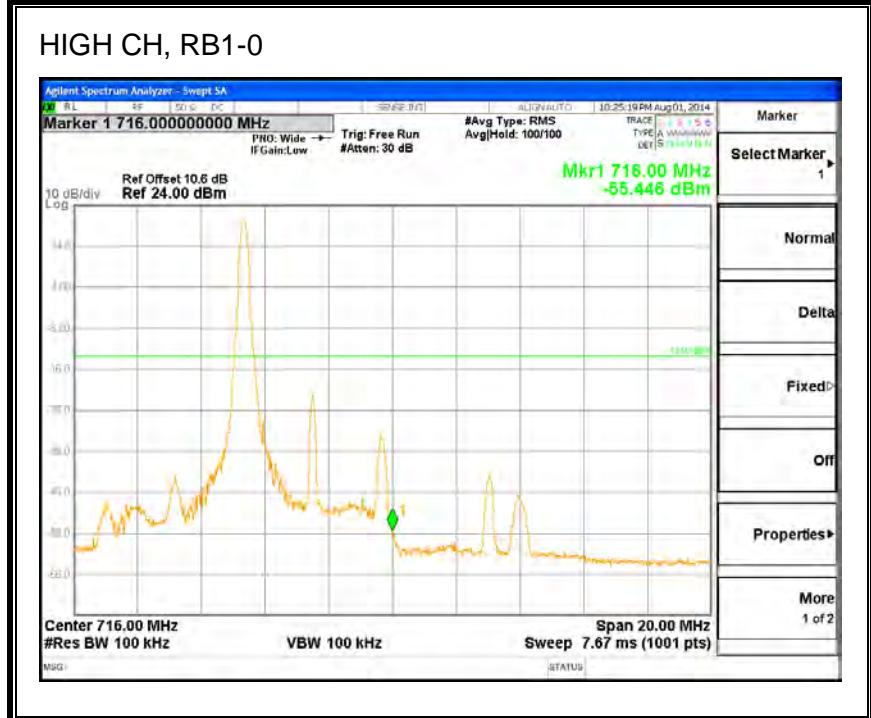
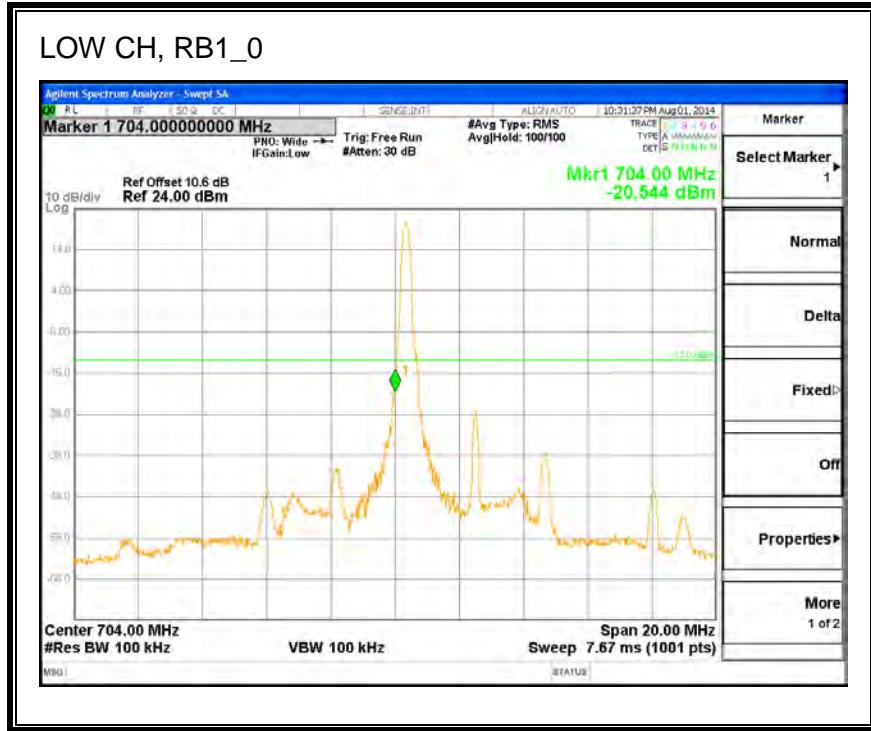


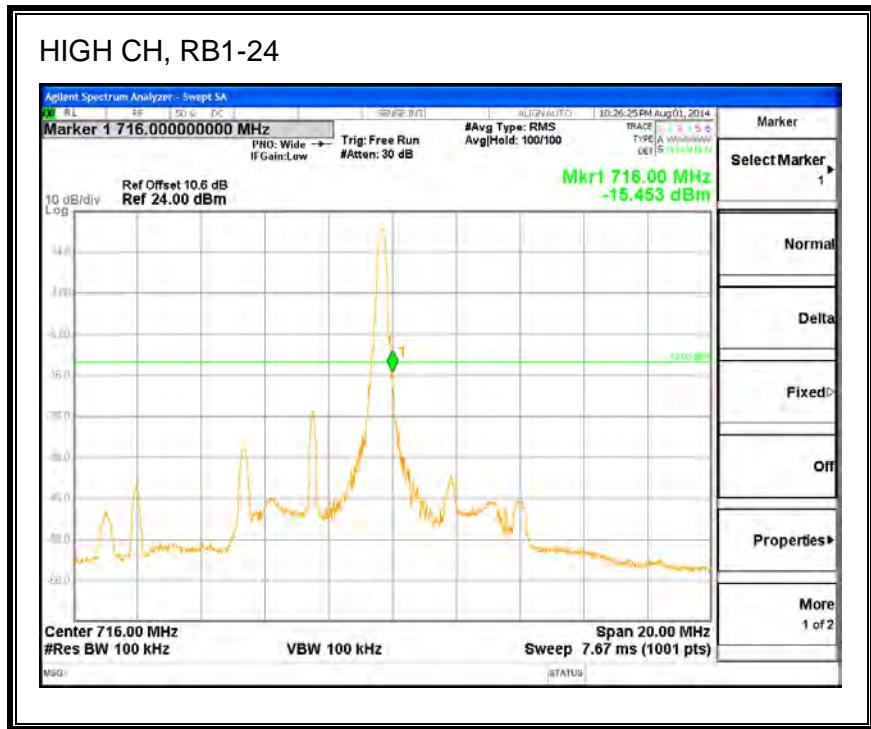
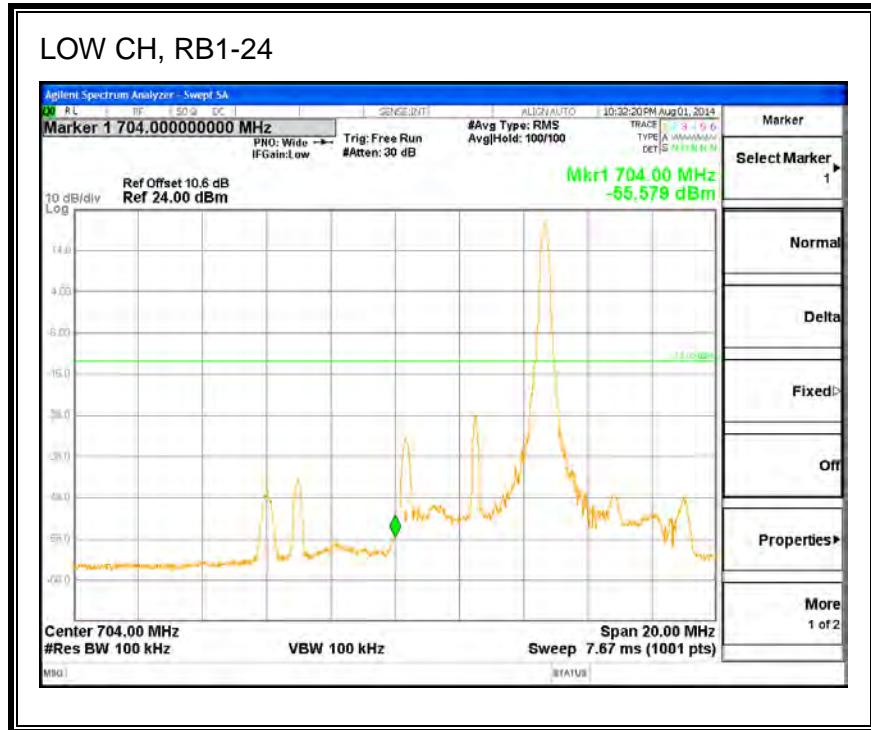


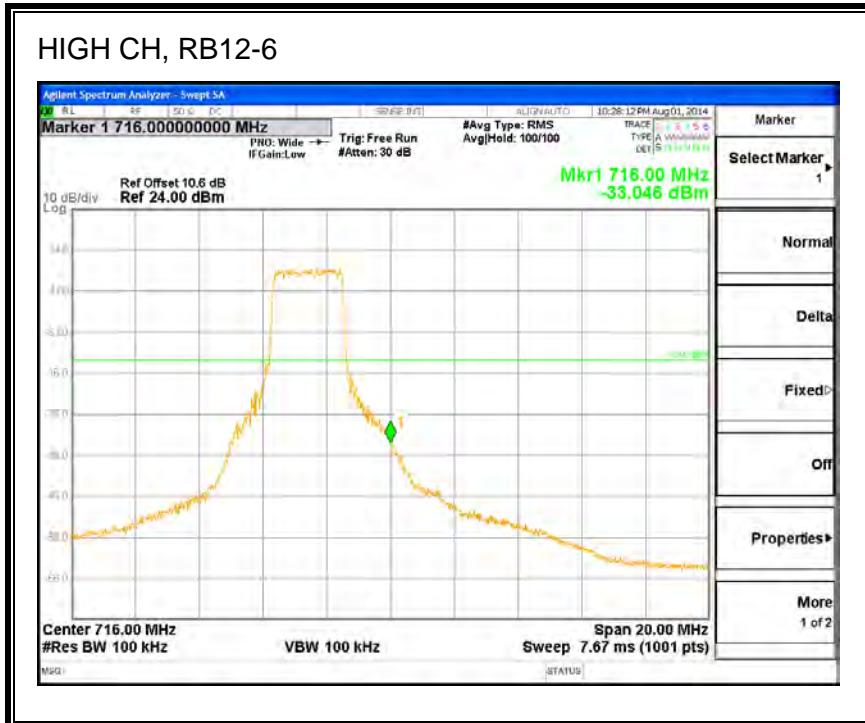
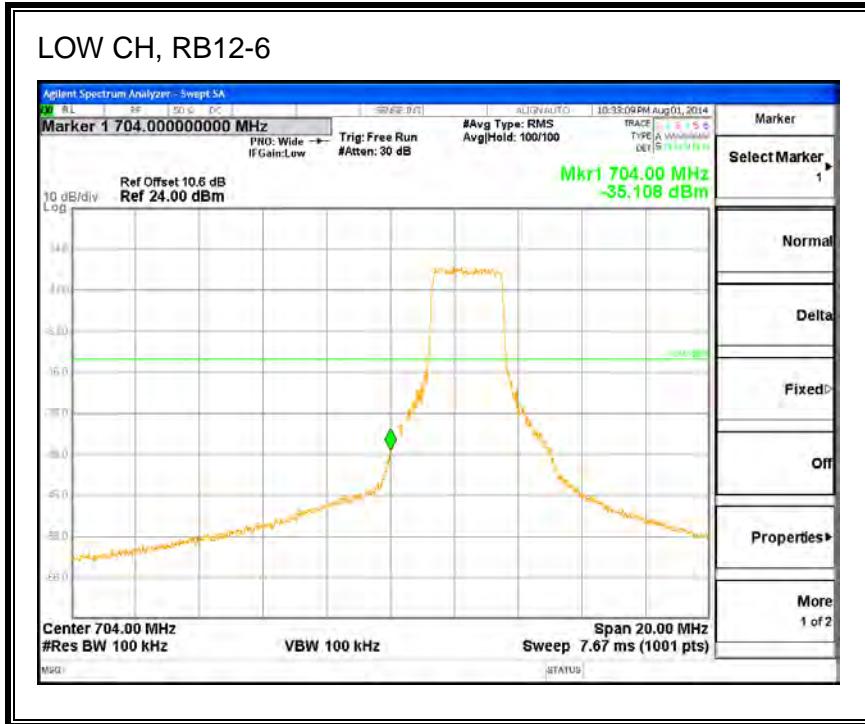


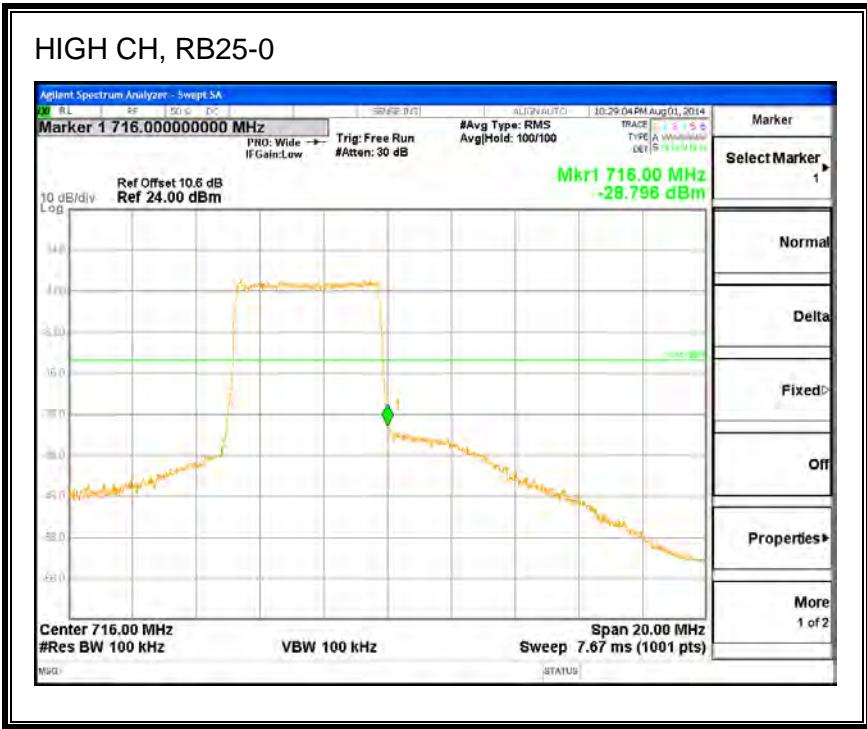
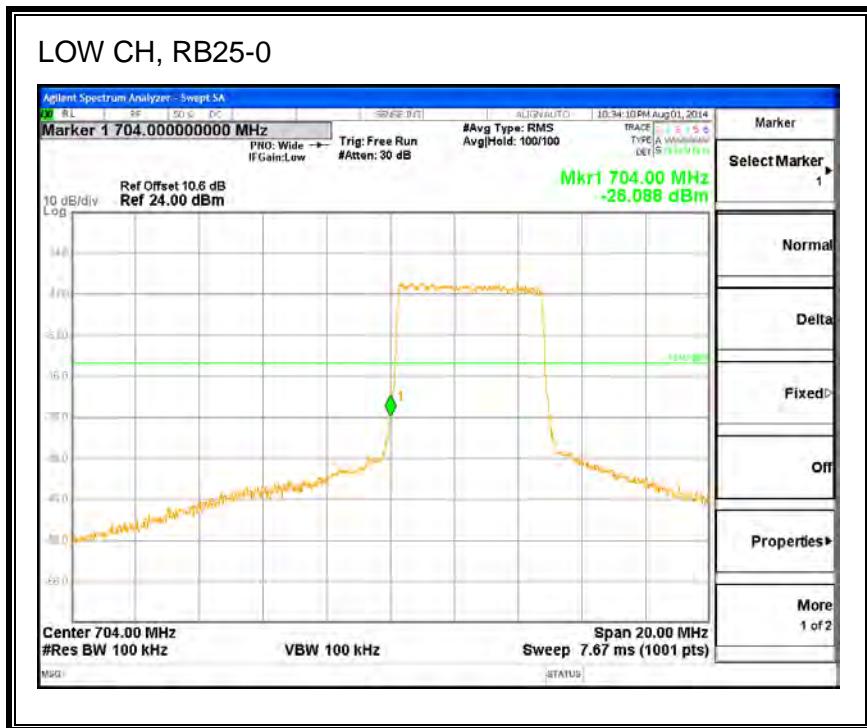


**16QAM, (5.0 MHz BAND WIDTH)**

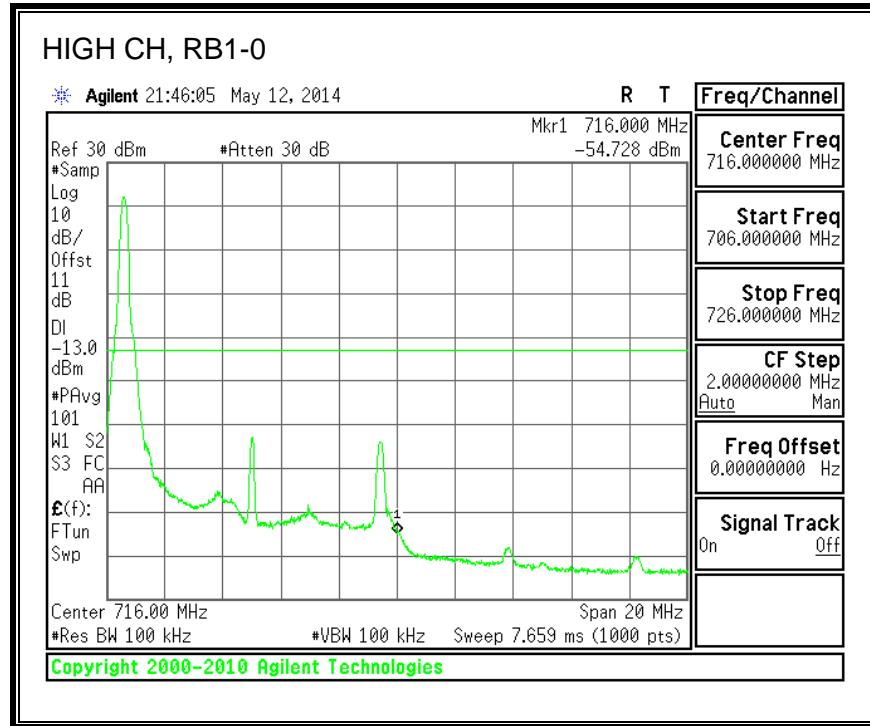
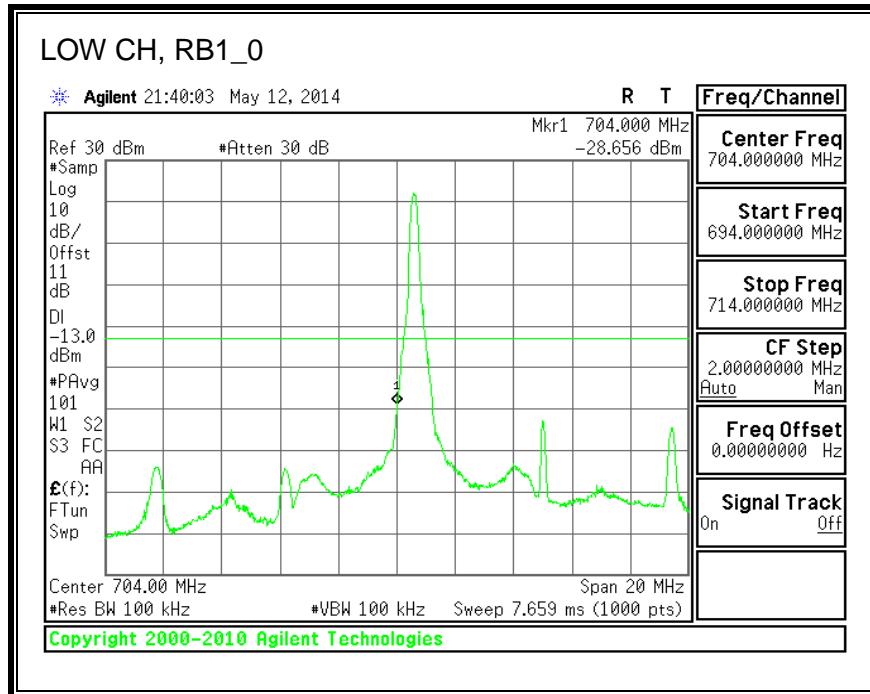


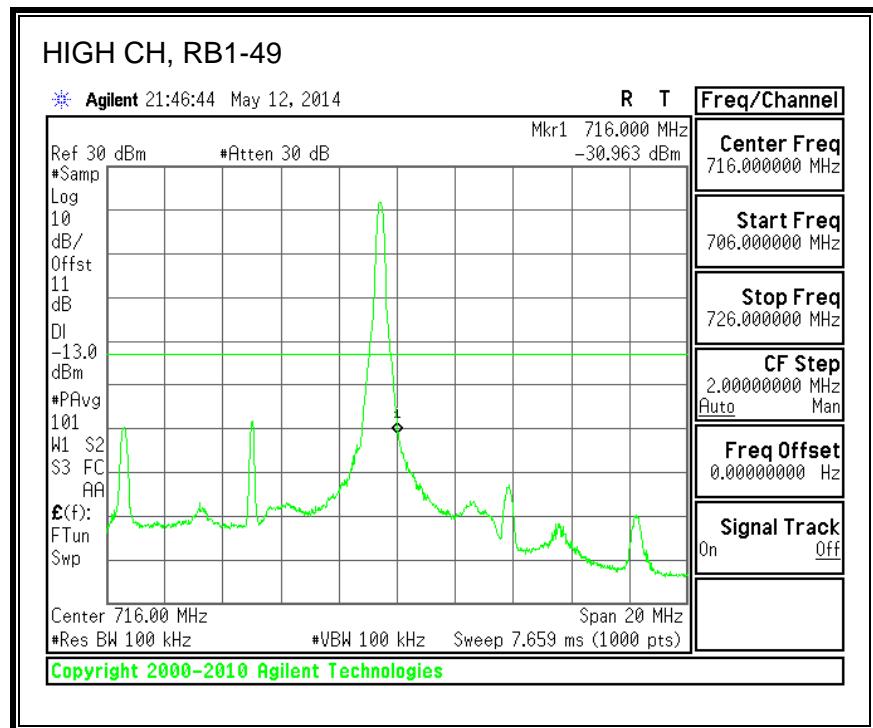
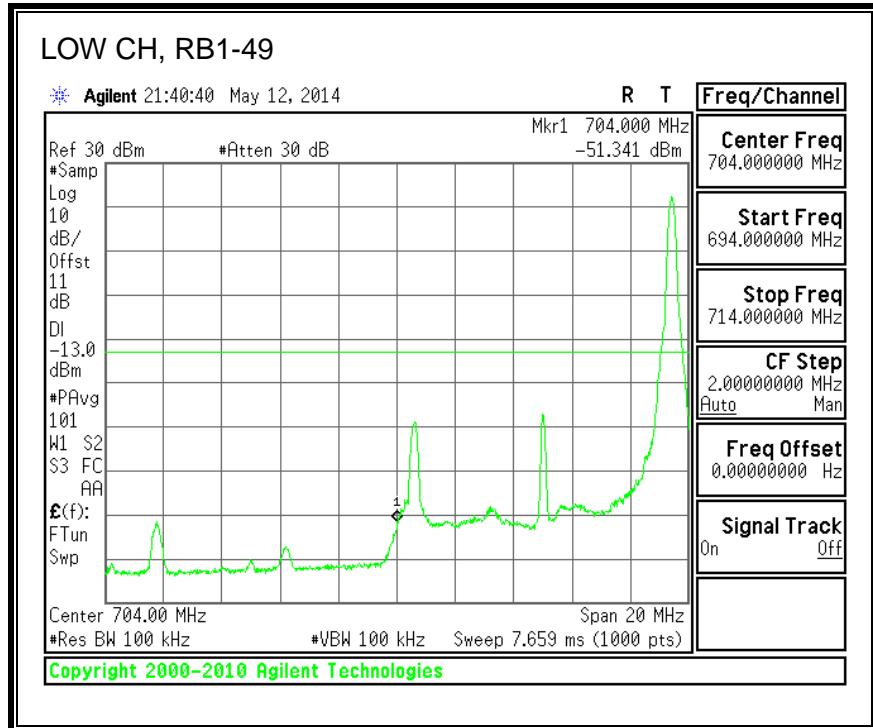


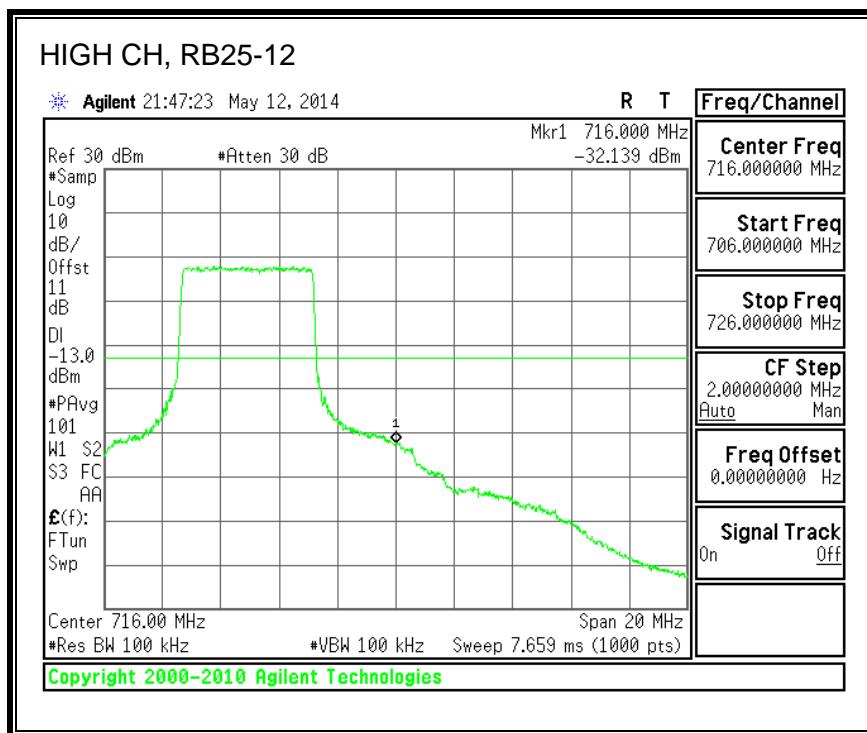
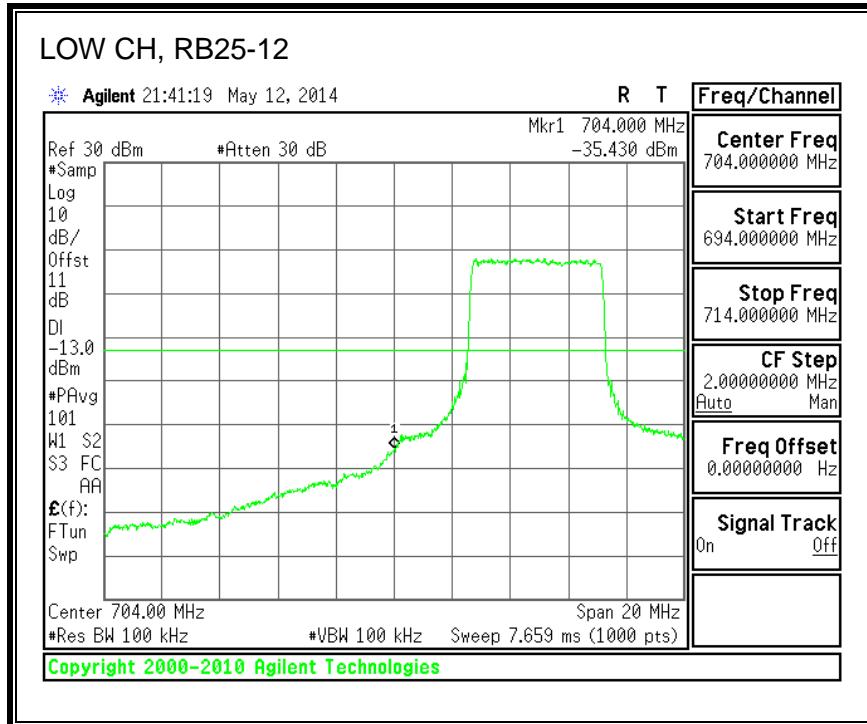


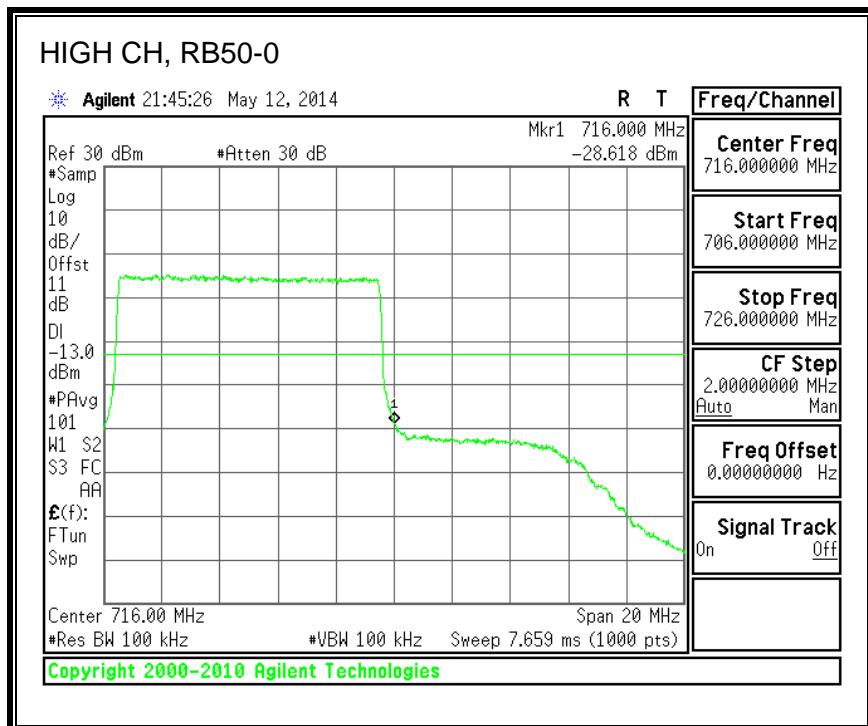
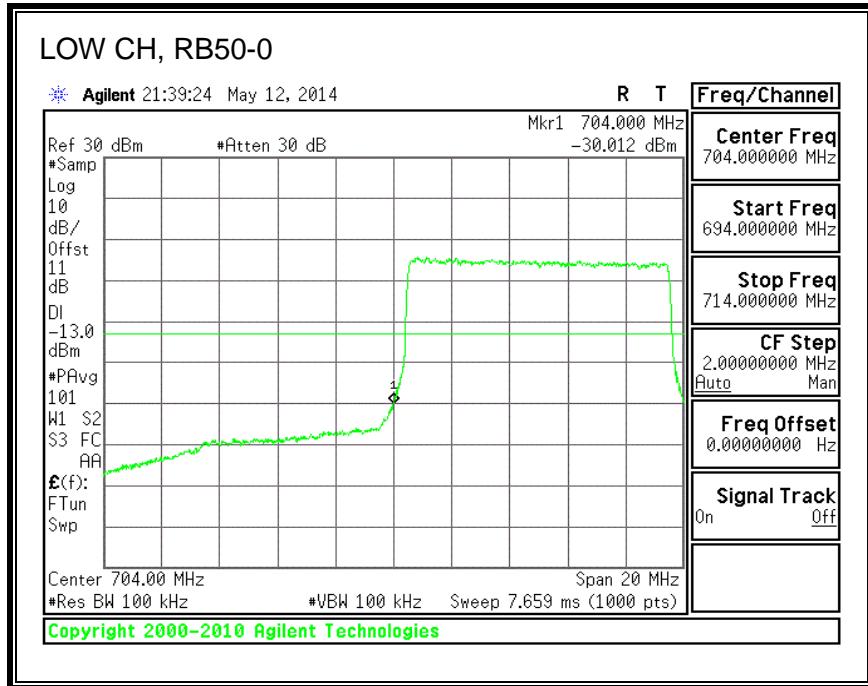


**QPSK, (10.0 MHz BAND WIDTH)**

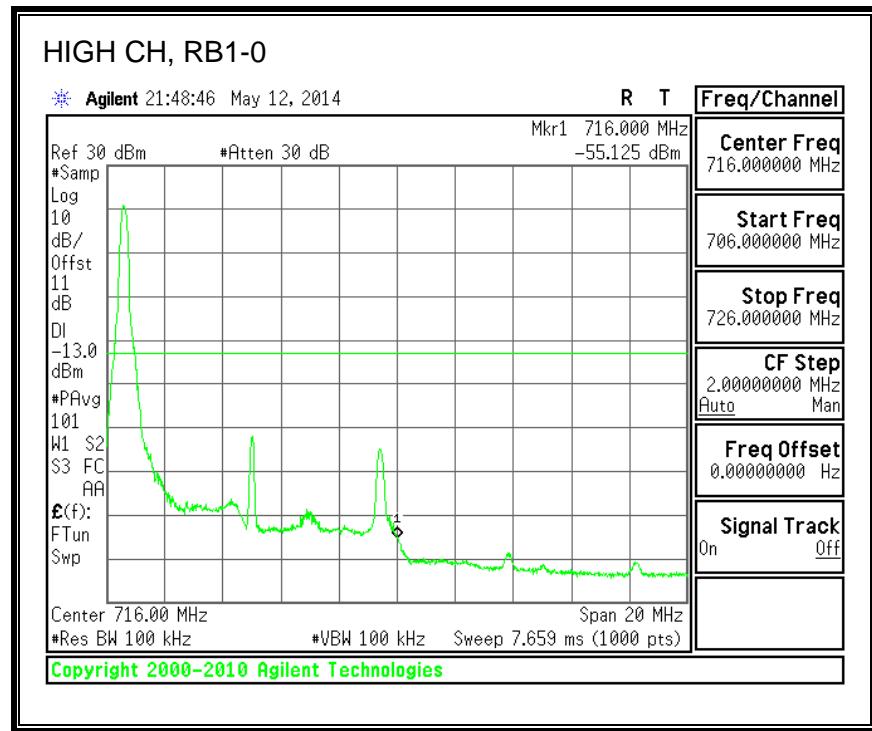
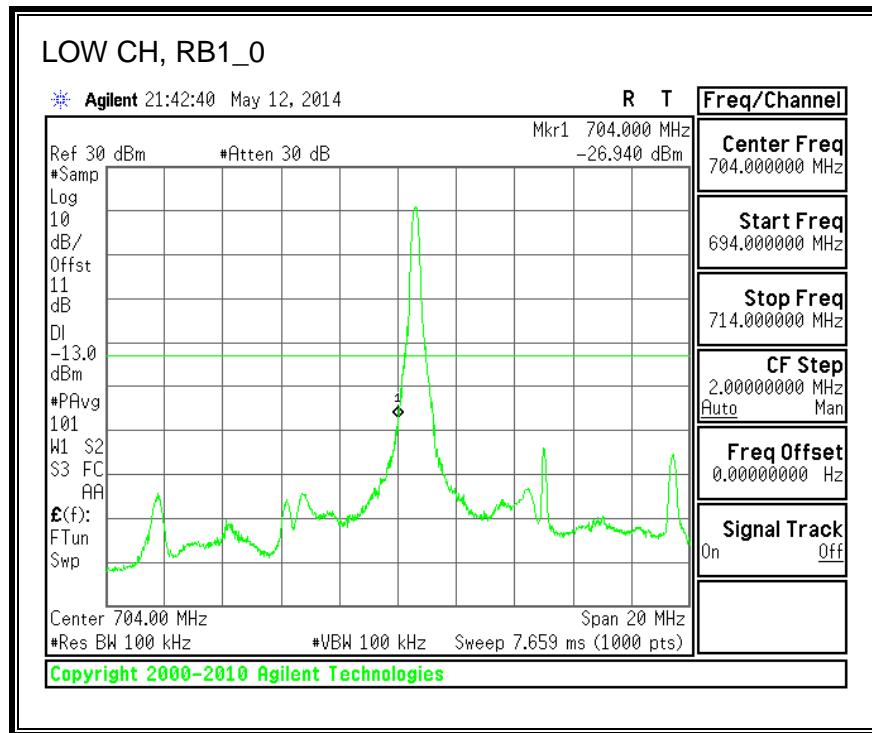


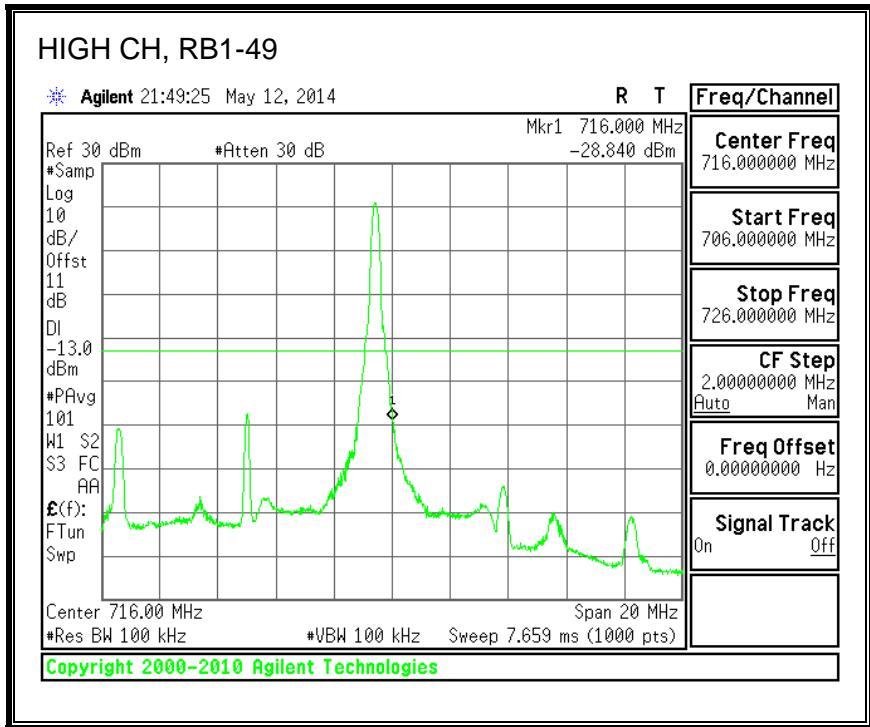
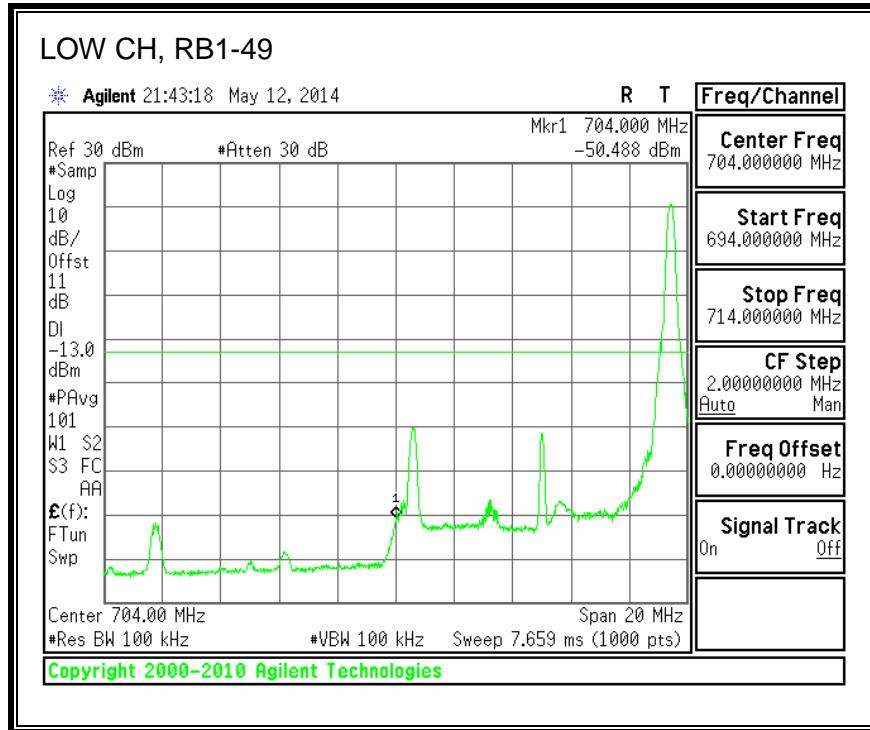


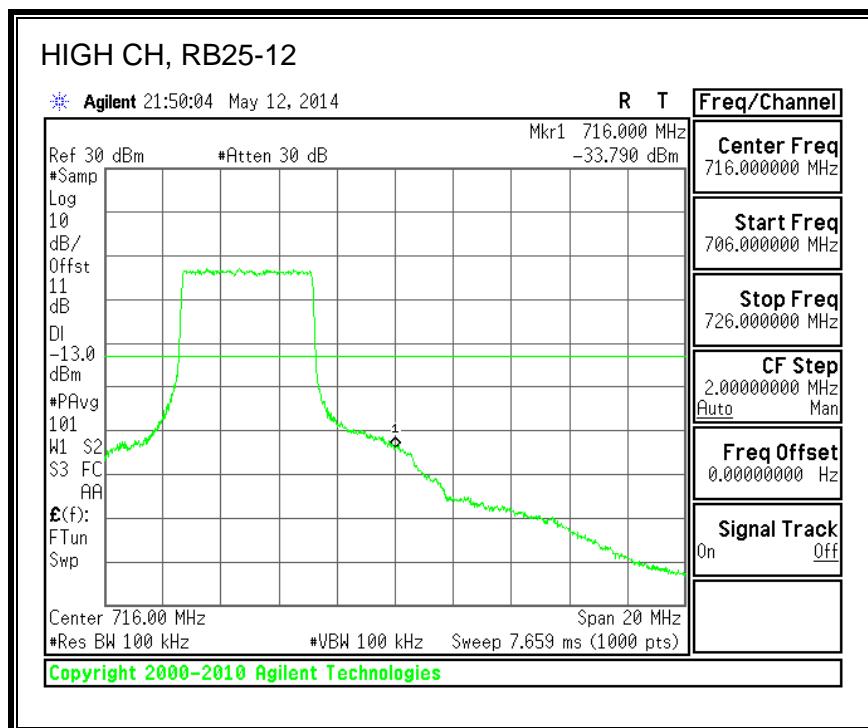
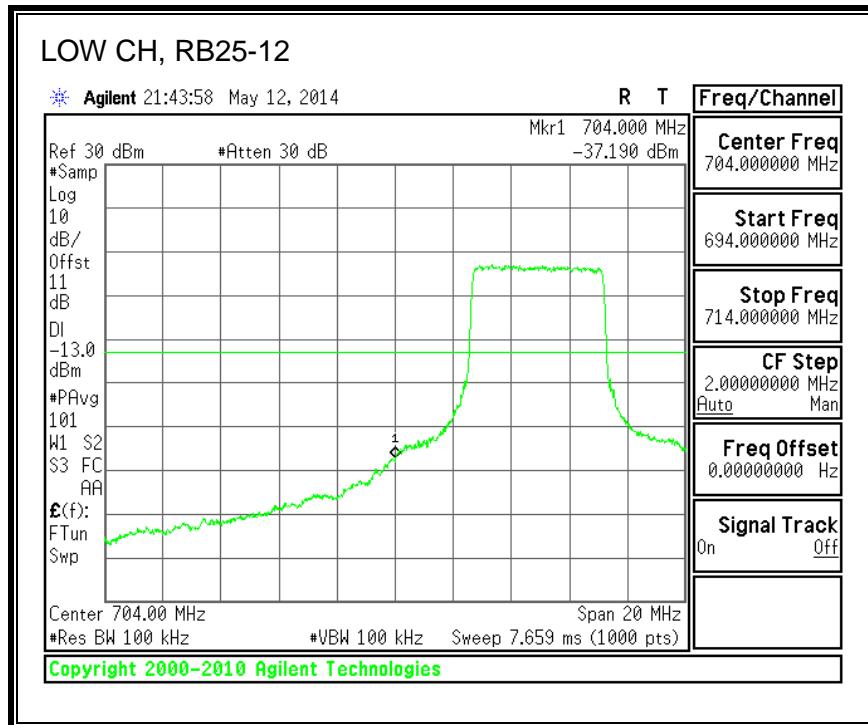


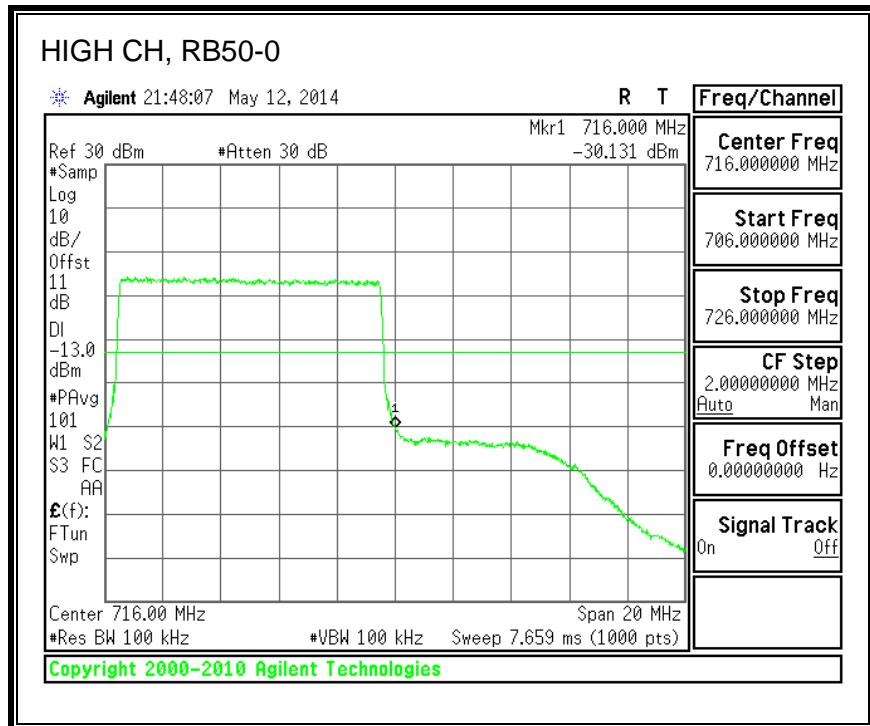
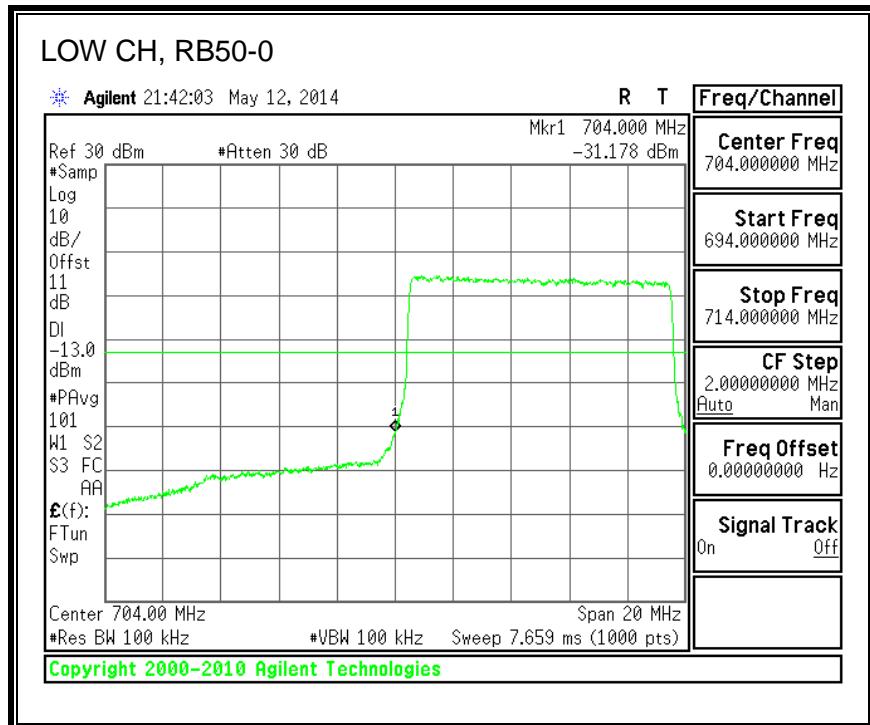


**16QAM, (10.0 MHz BAND WIDTH)**



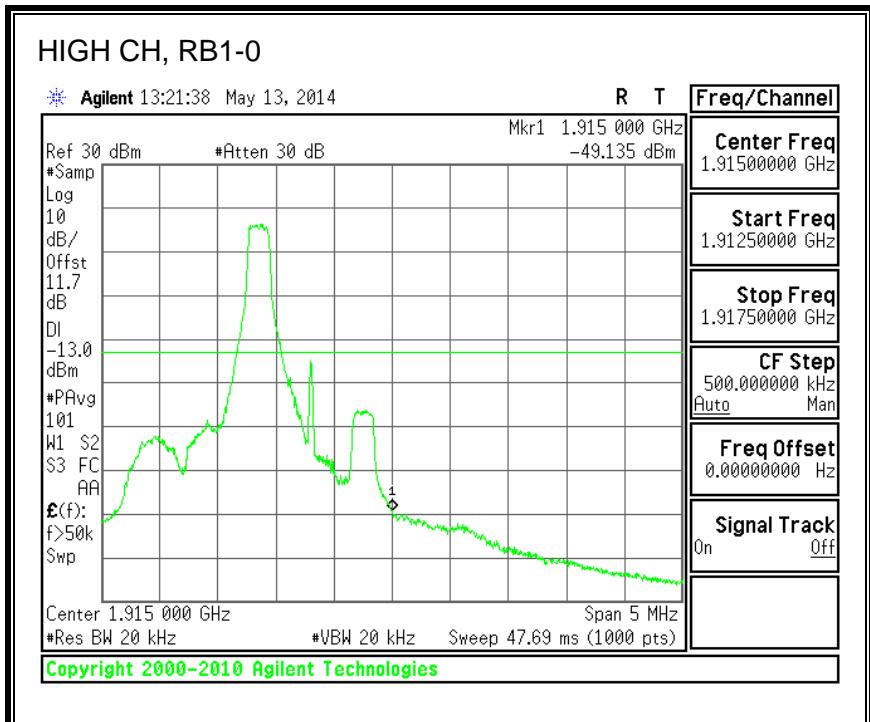
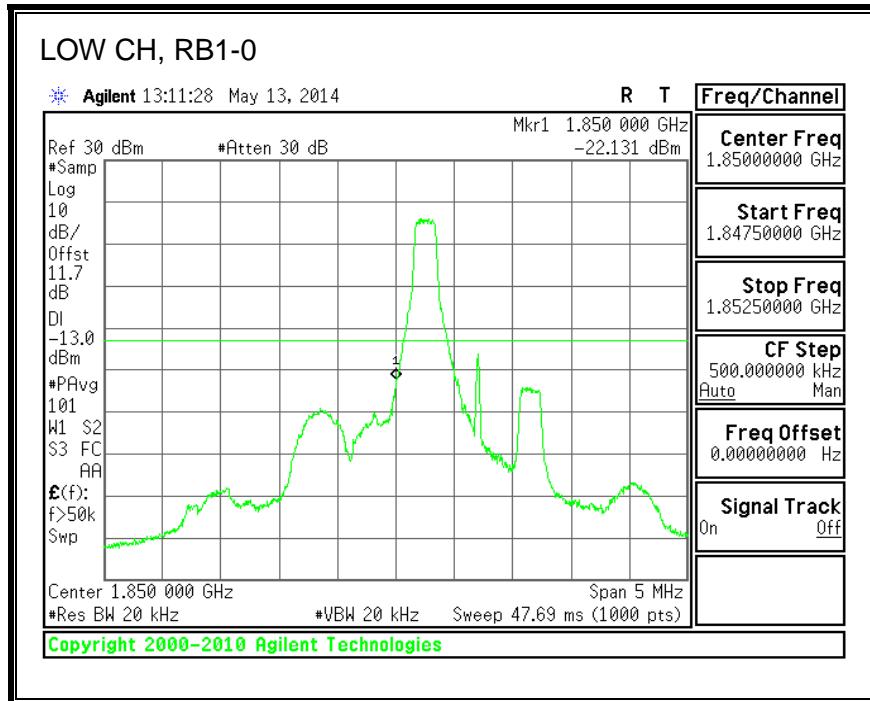


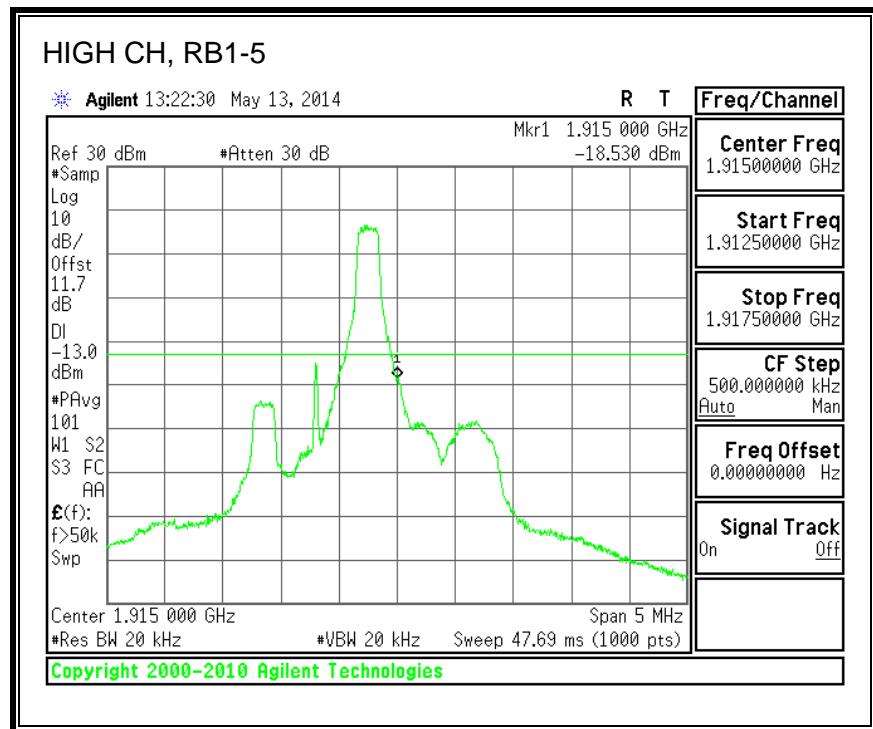
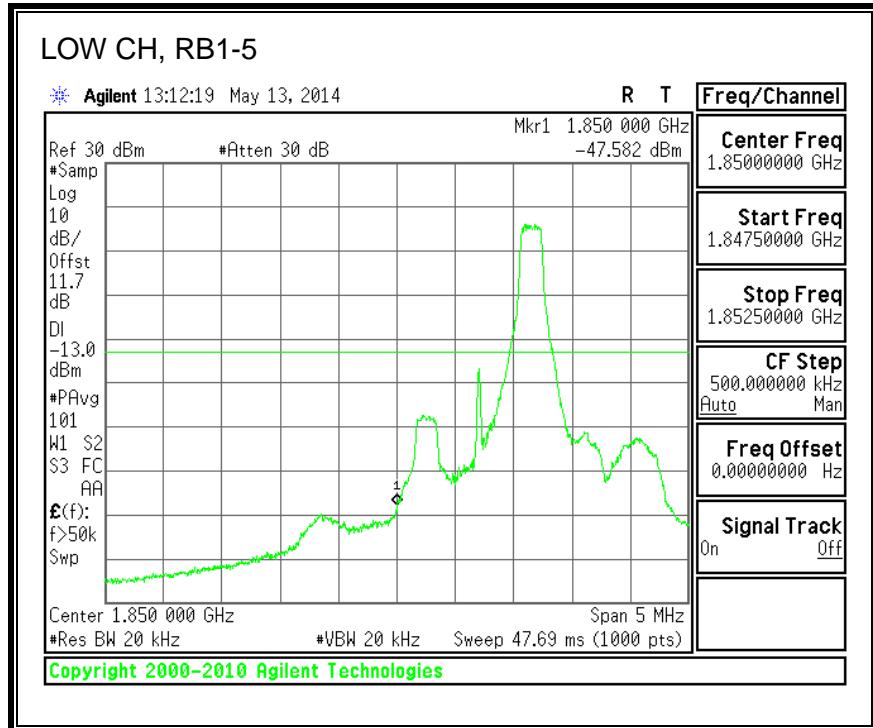


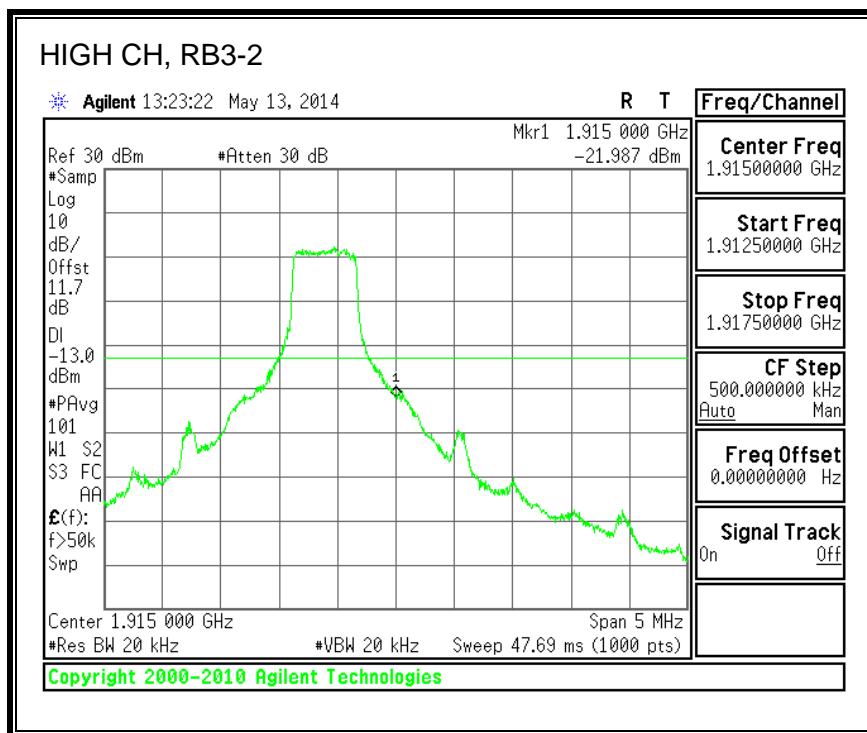
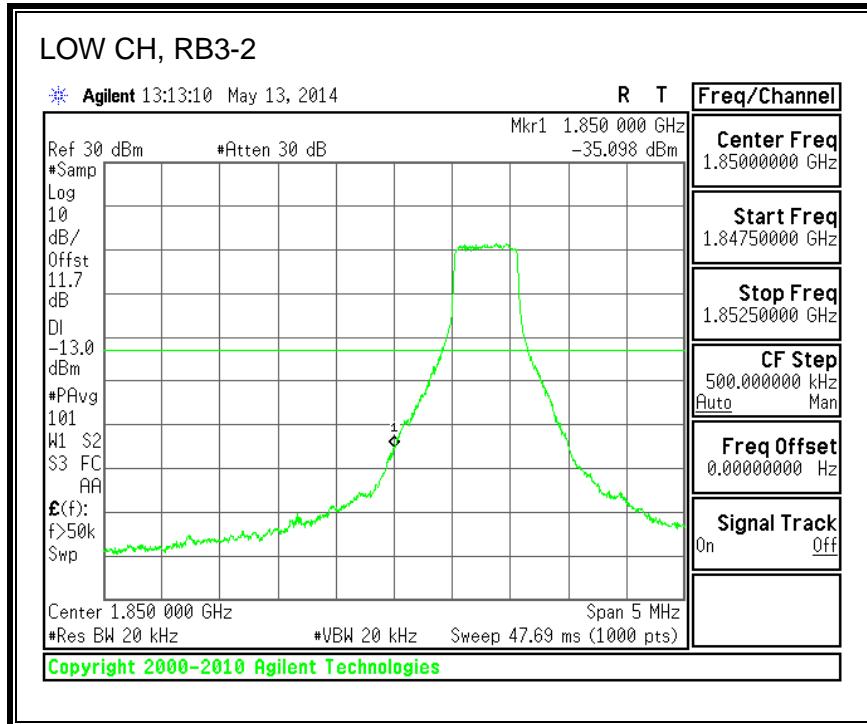


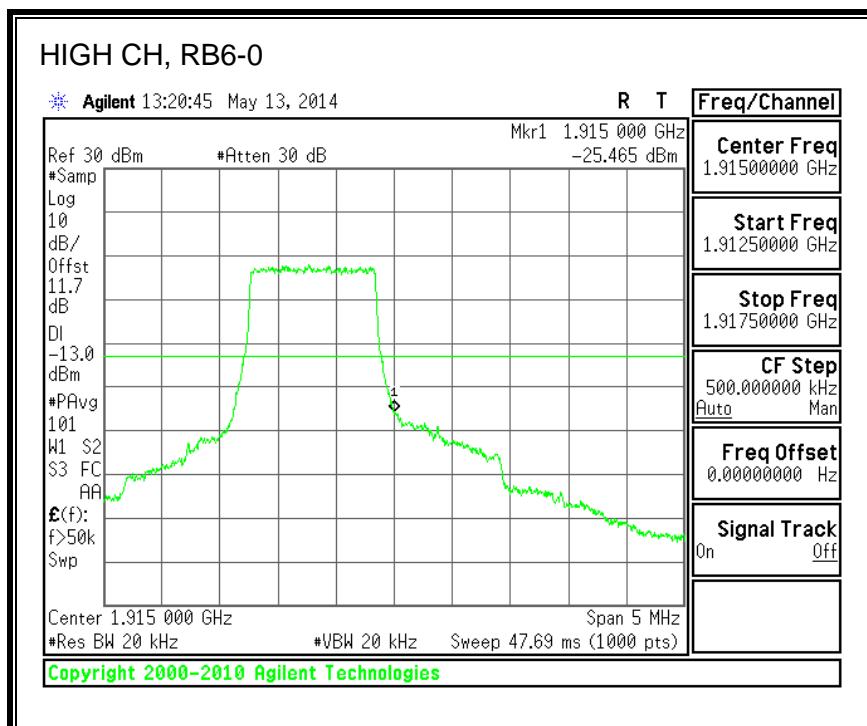
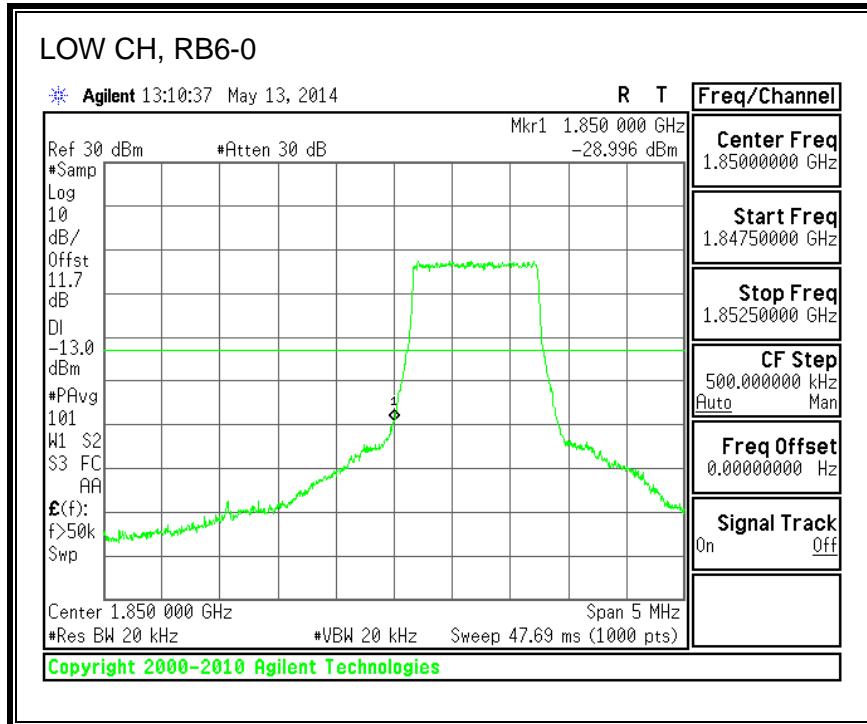
## 8.2.6. LTE BAND 25 BANDEDGE

### QPSK, (1.4 MHz BAND WIDTH)

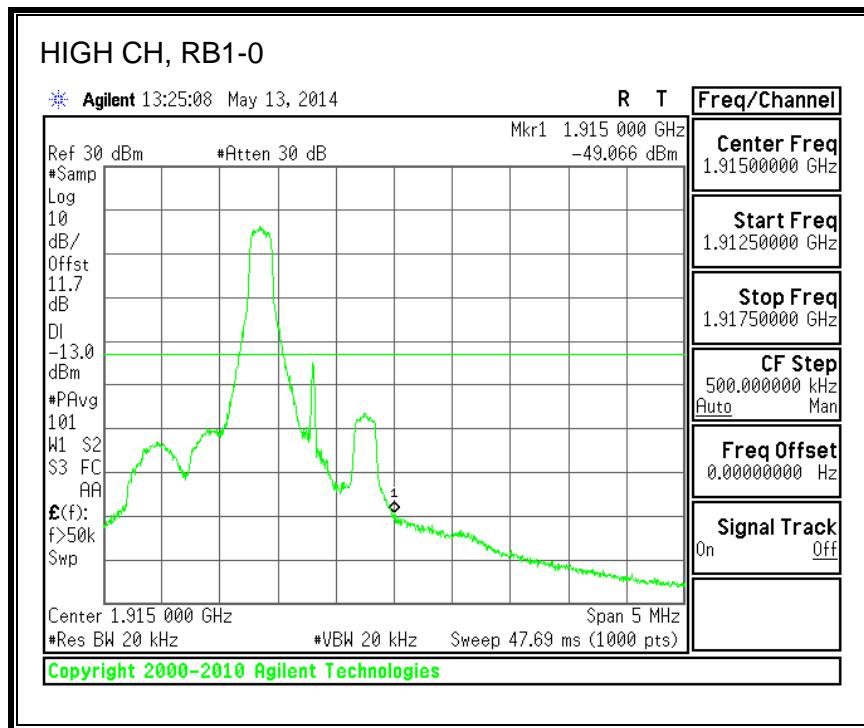
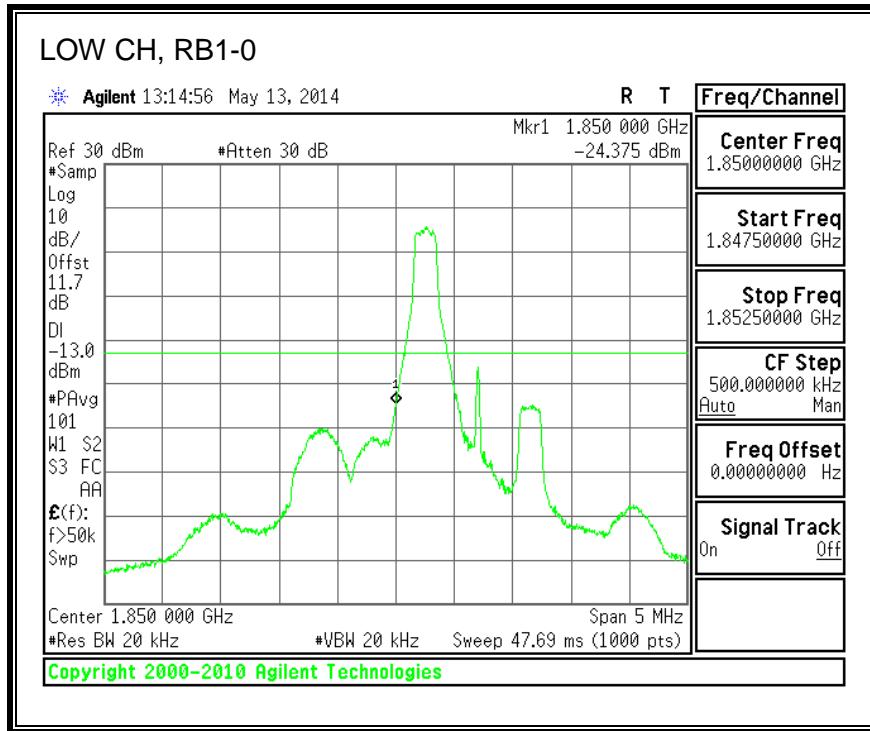


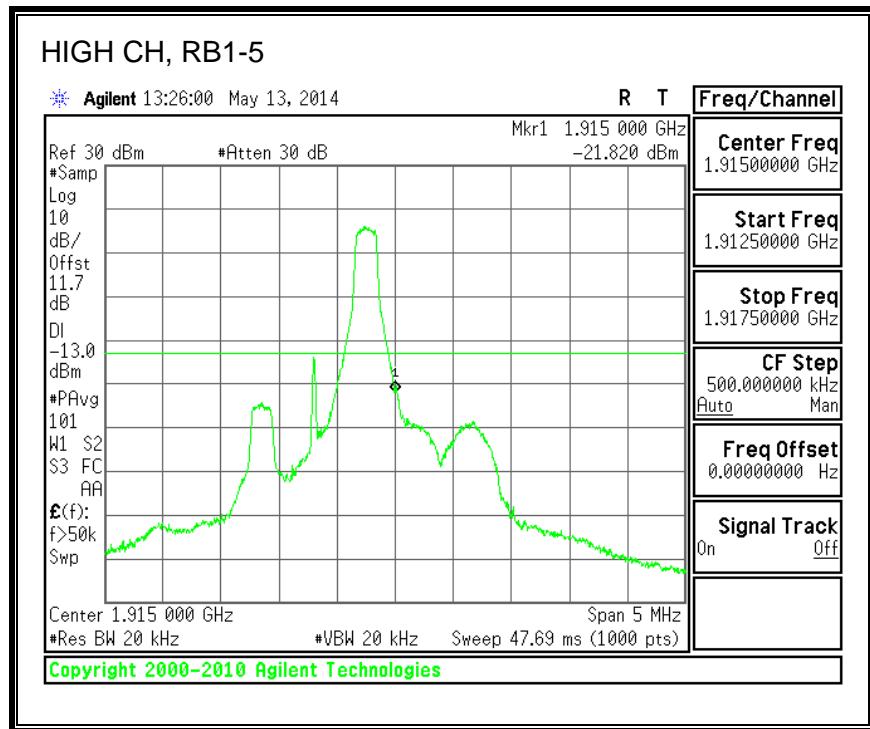
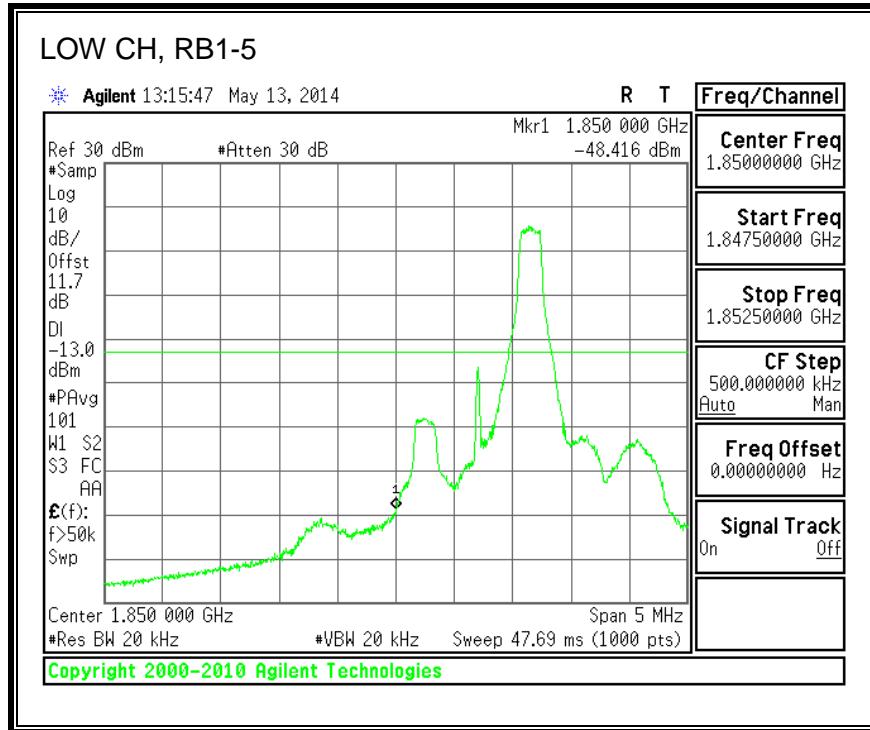


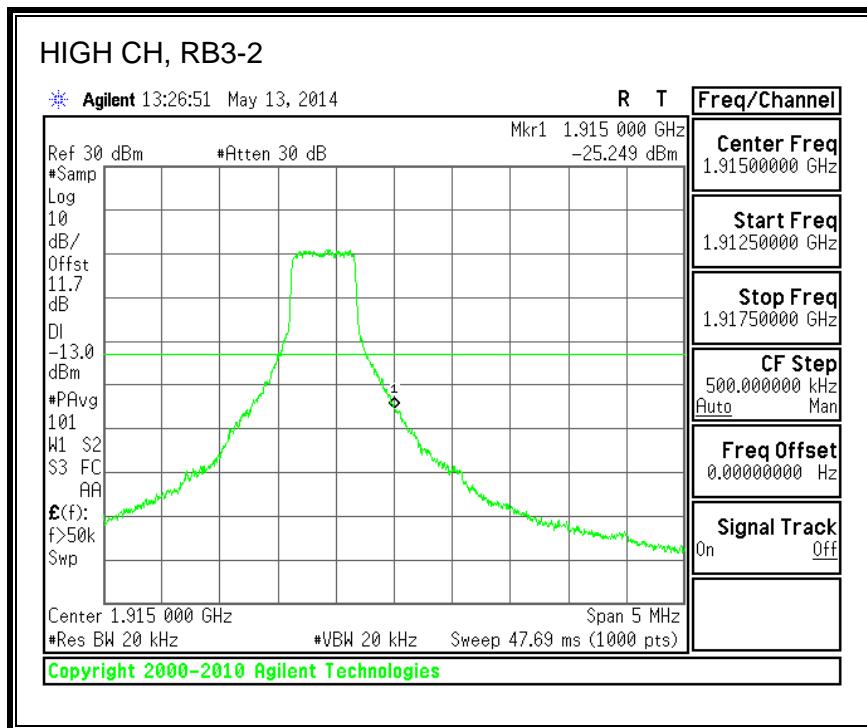
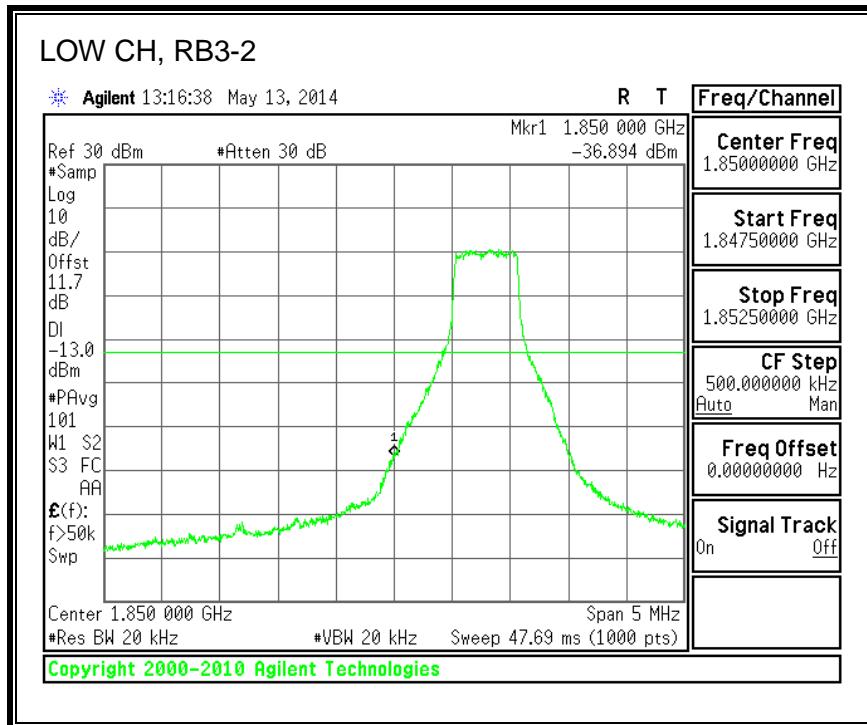


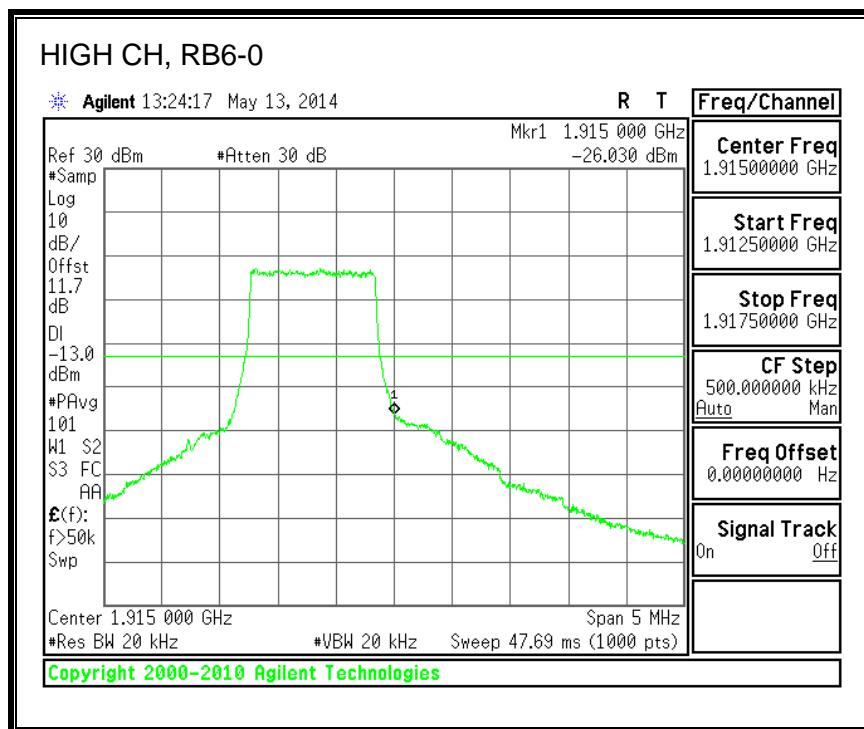
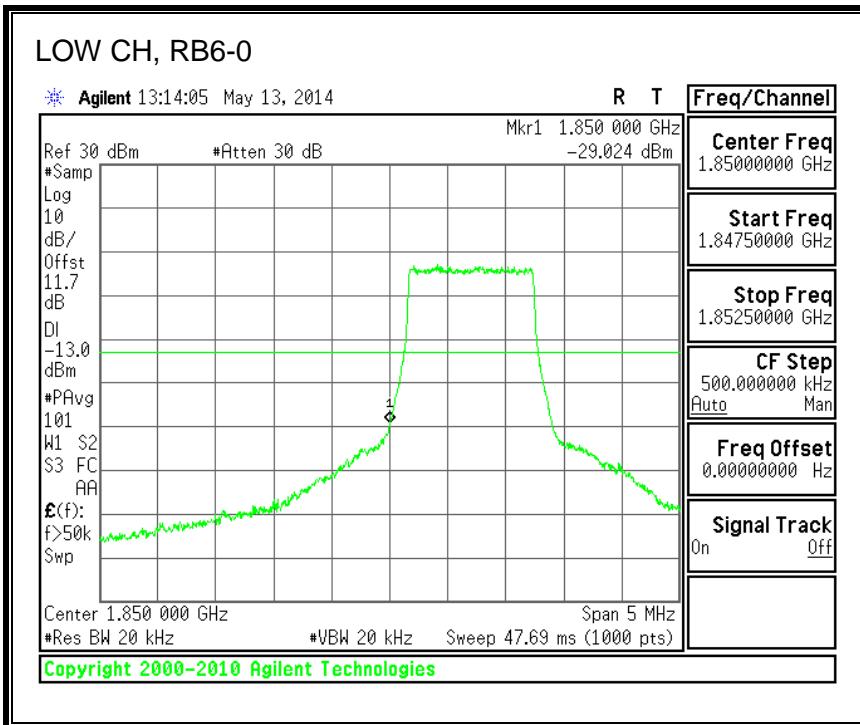


**16QAM, (1.4 MHz BAND WIDTH)**

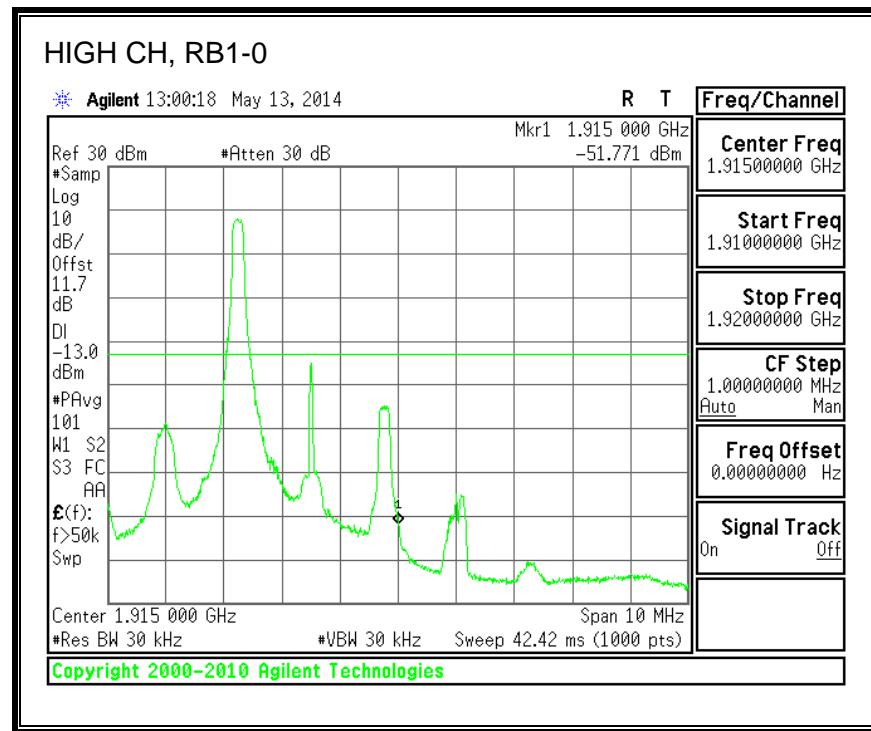
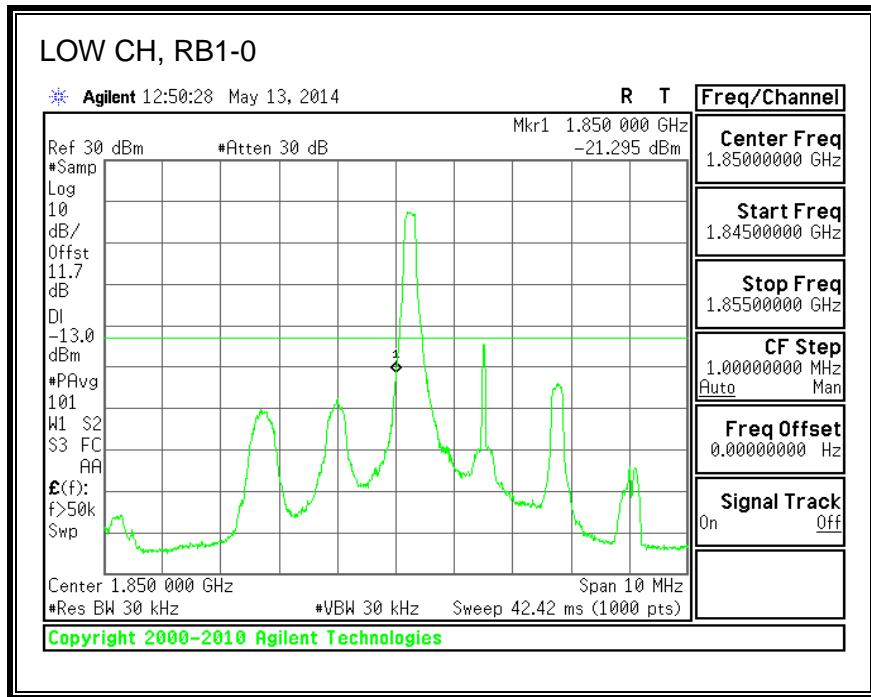


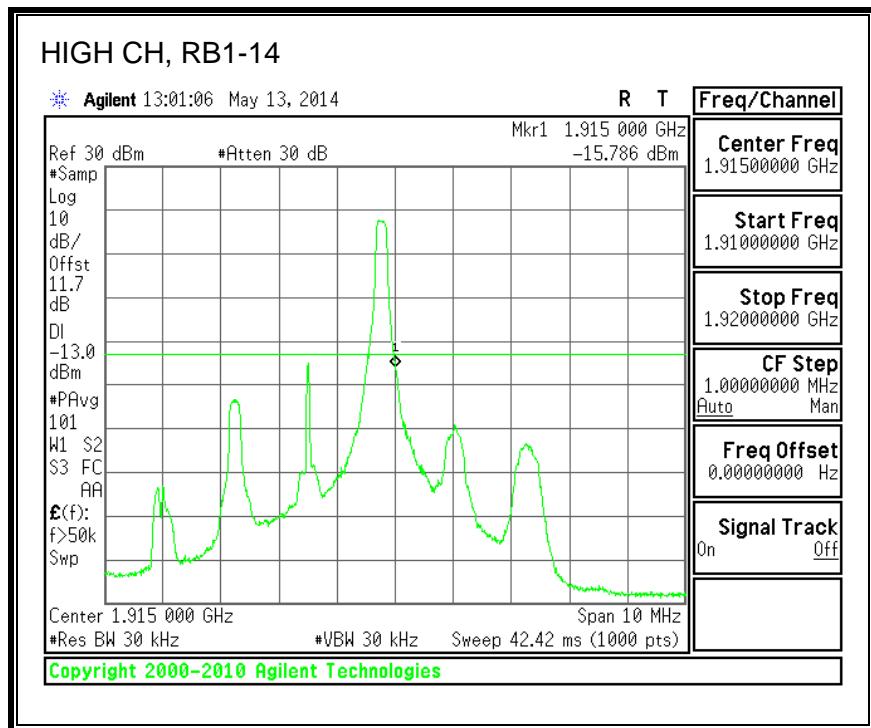
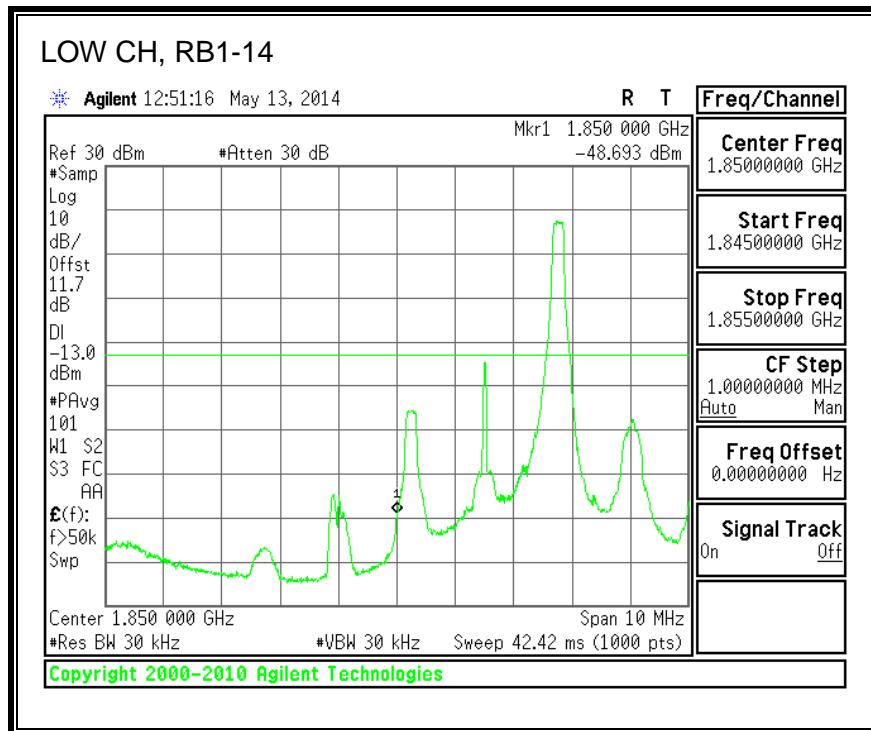


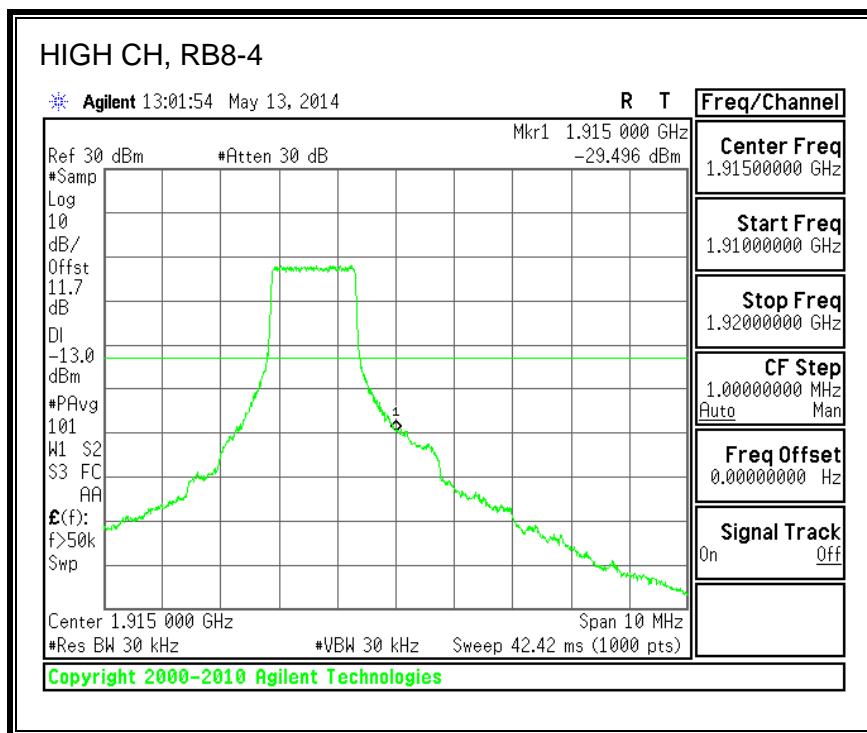
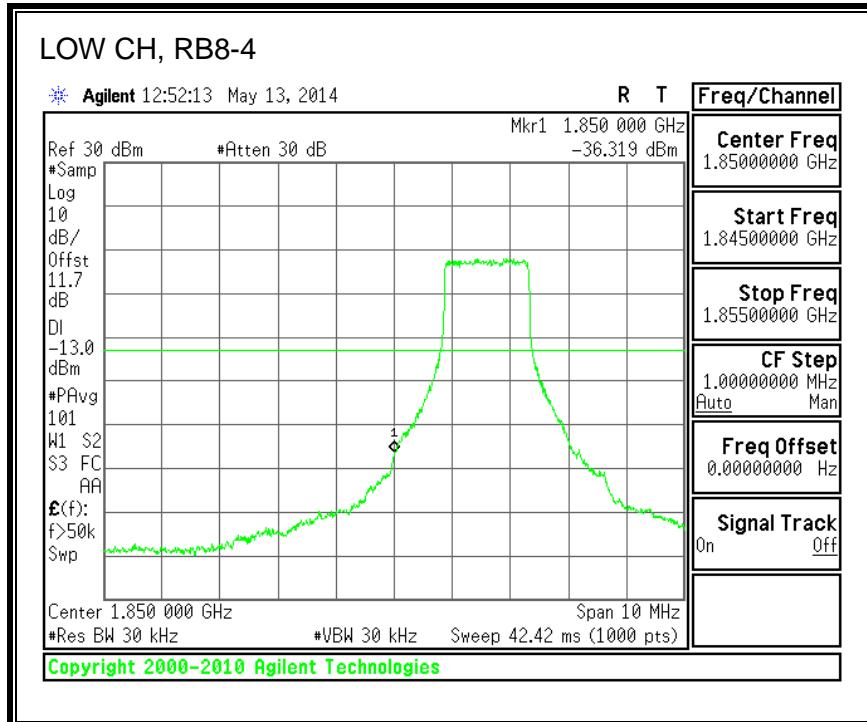


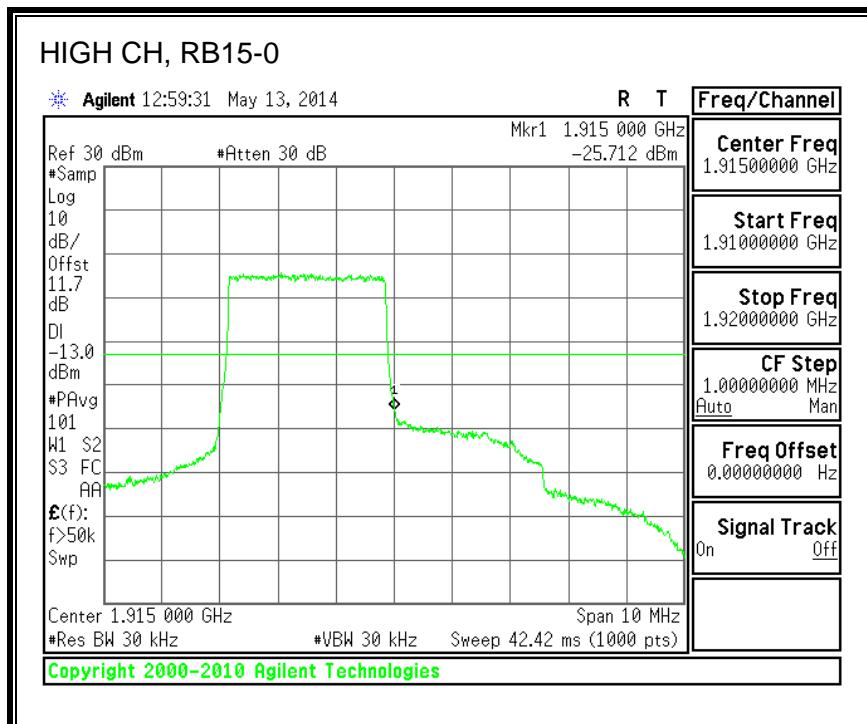
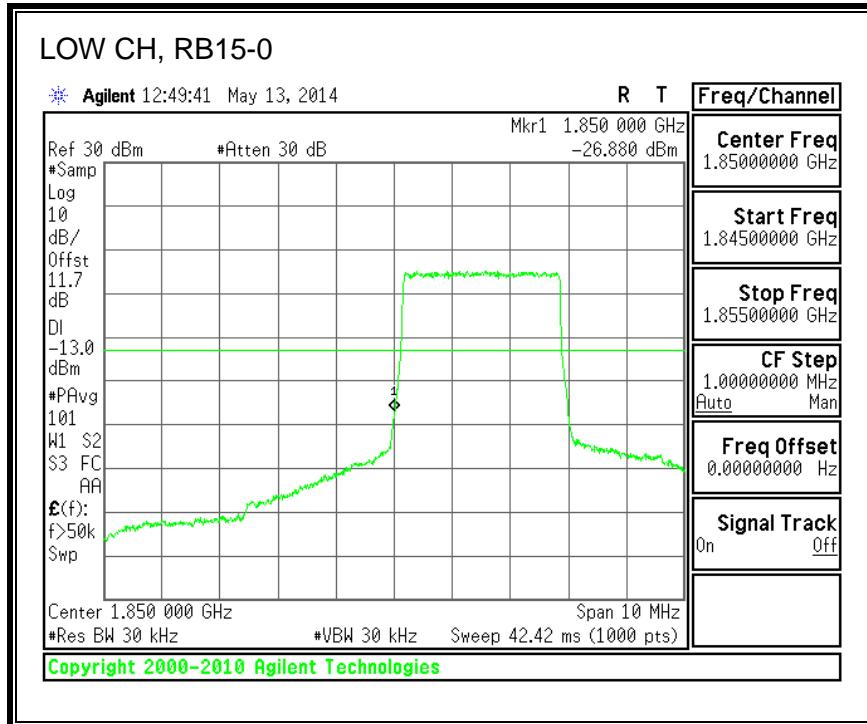


**QPSK, (3.0 MHz BAND WIDTH)**

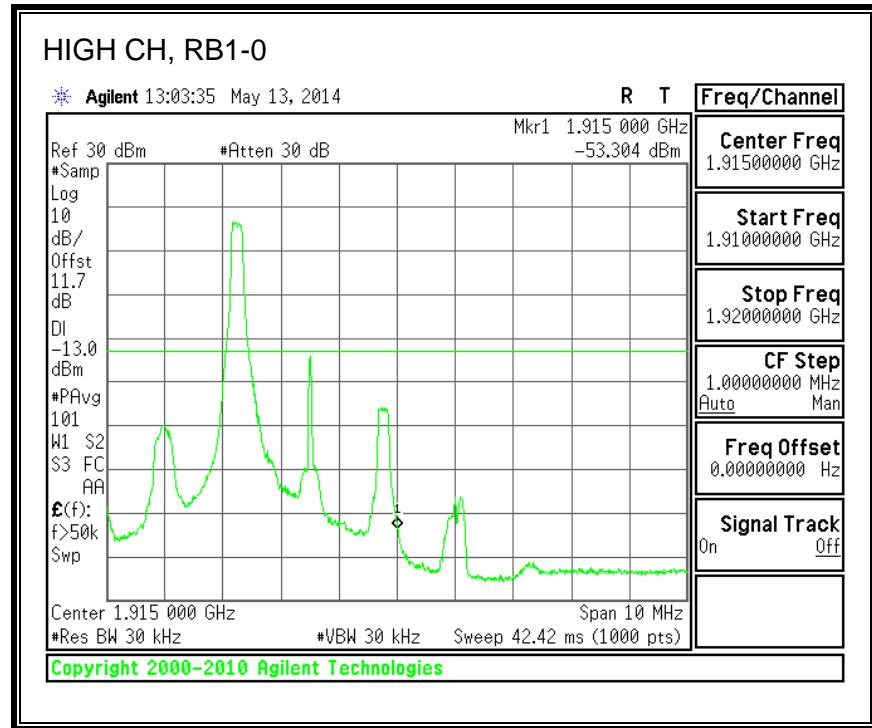
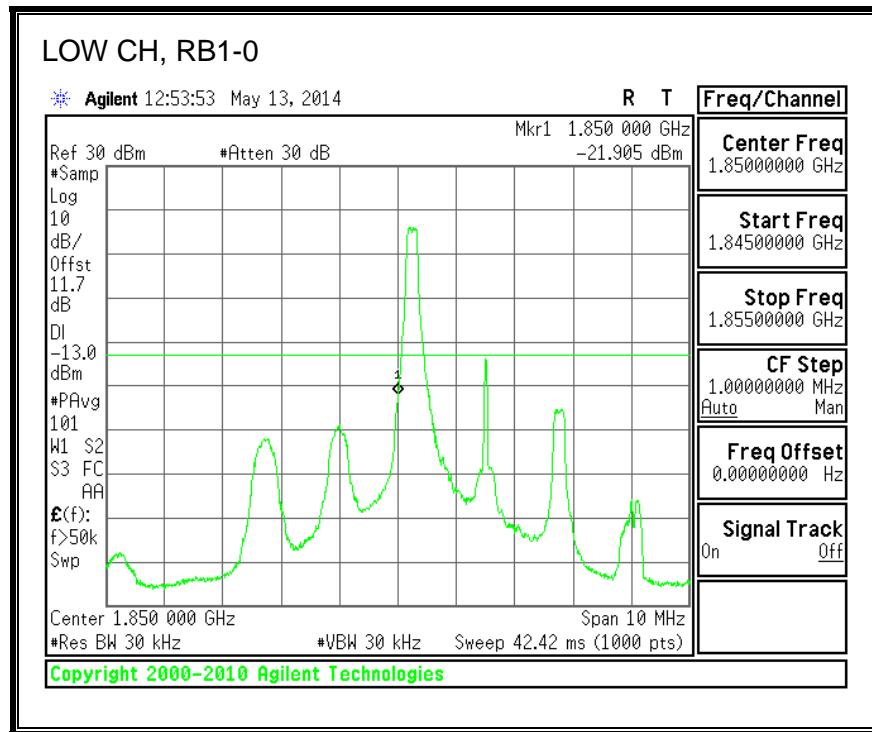


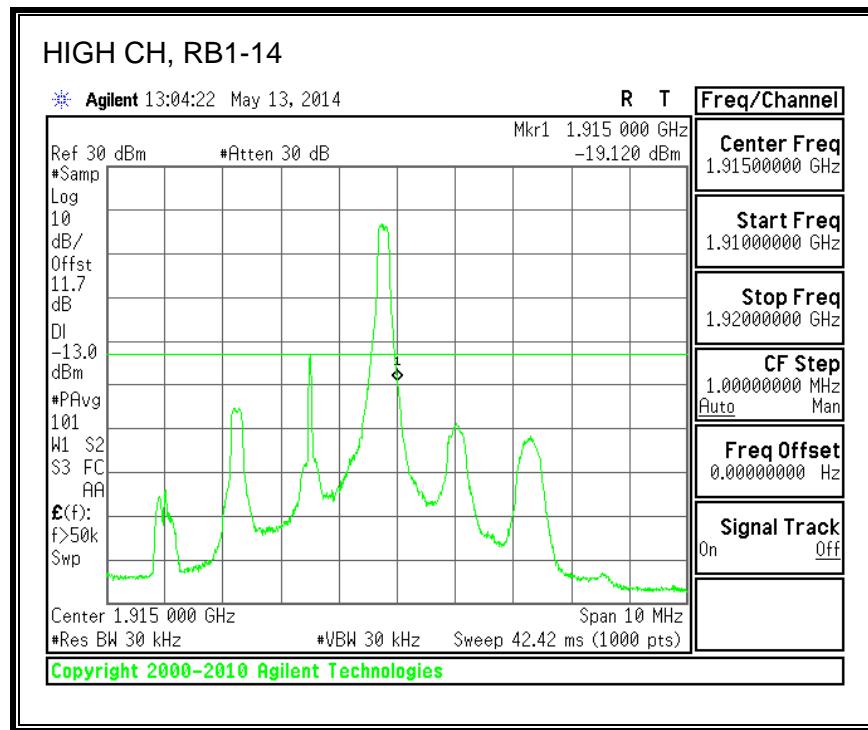
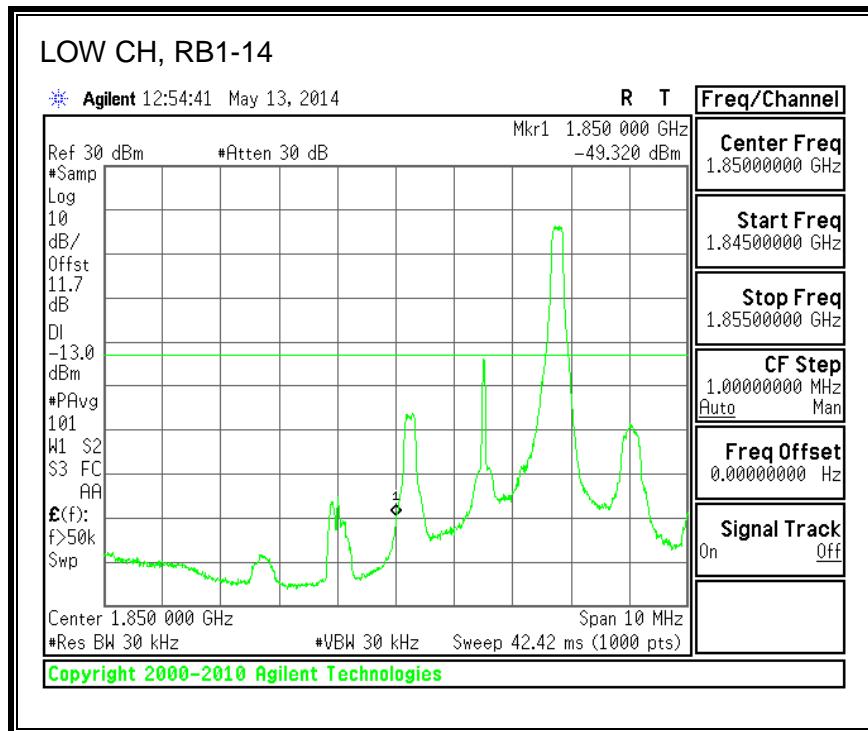


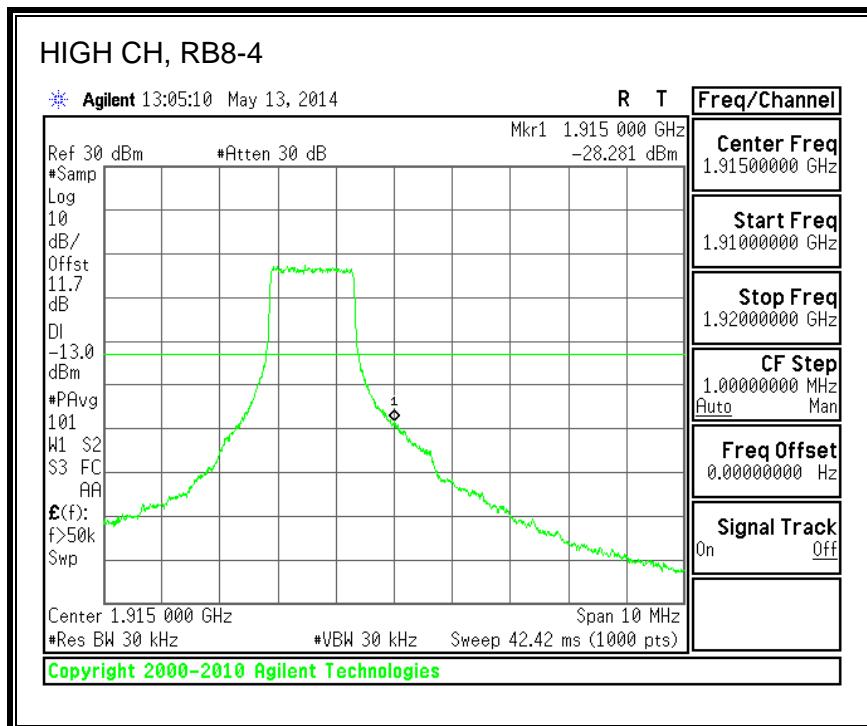
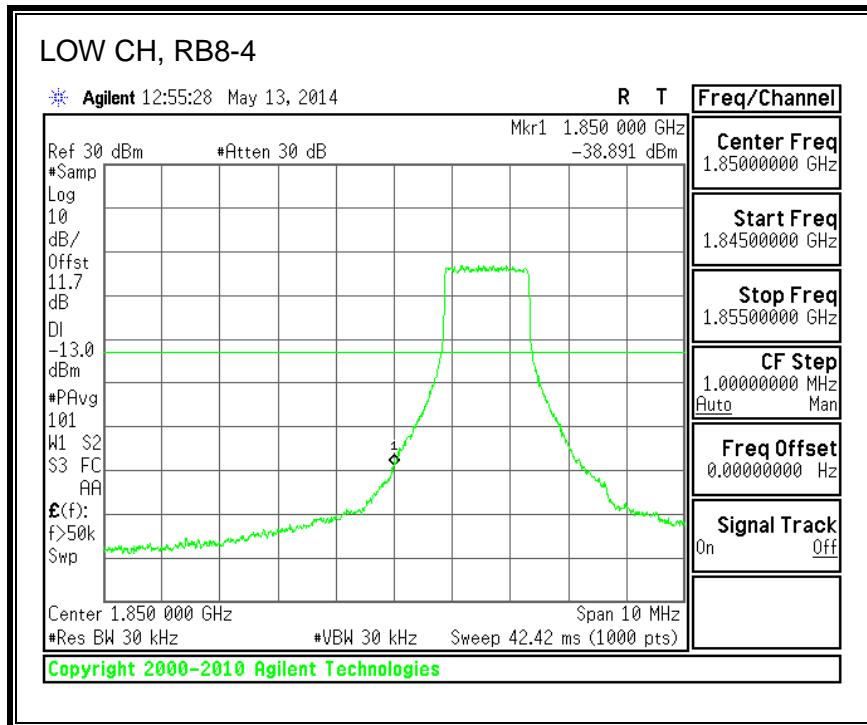


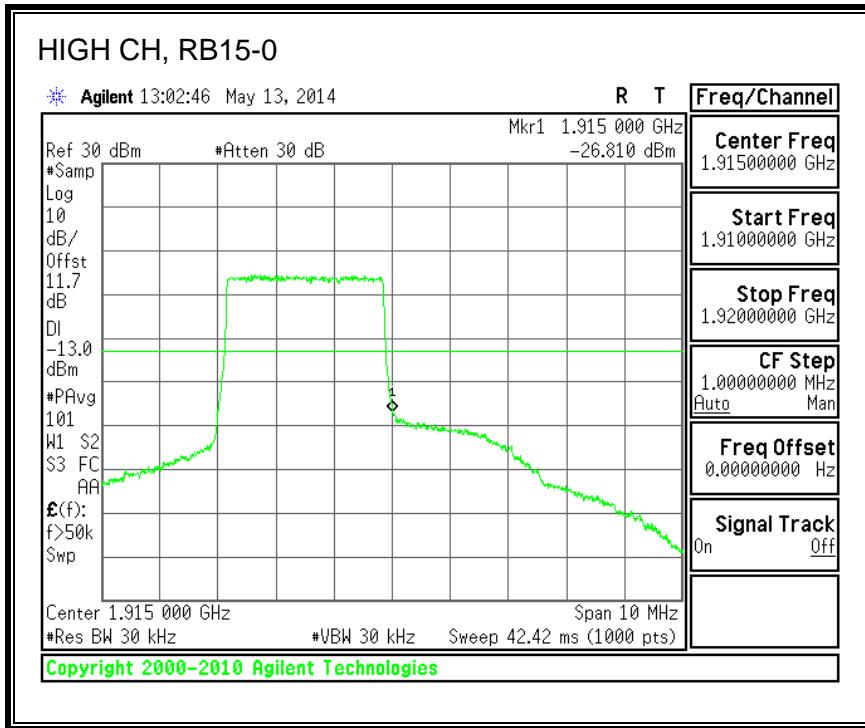
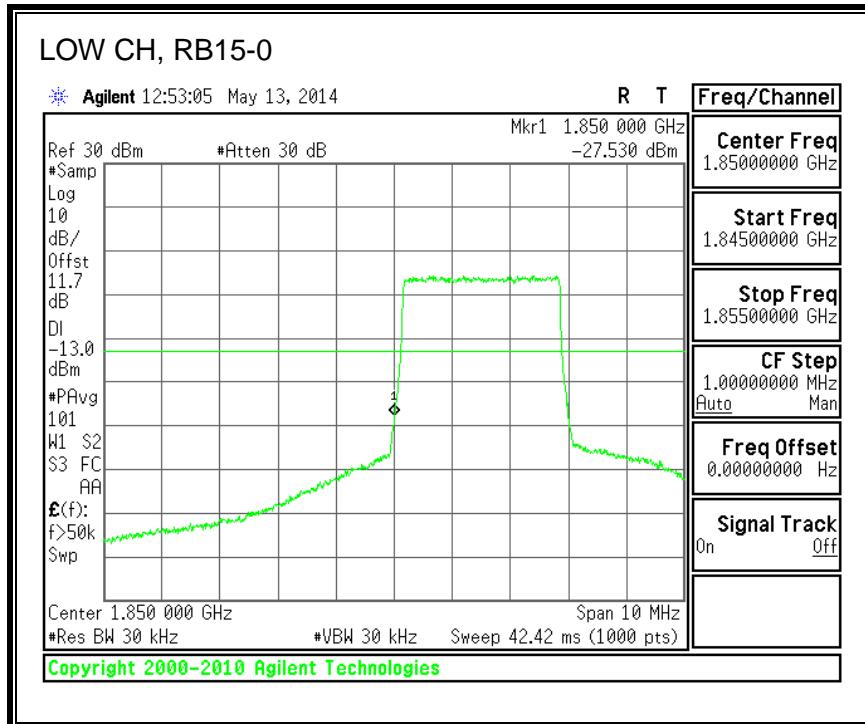


**16QAM, (3.0 MHz BAND WIDTH)**

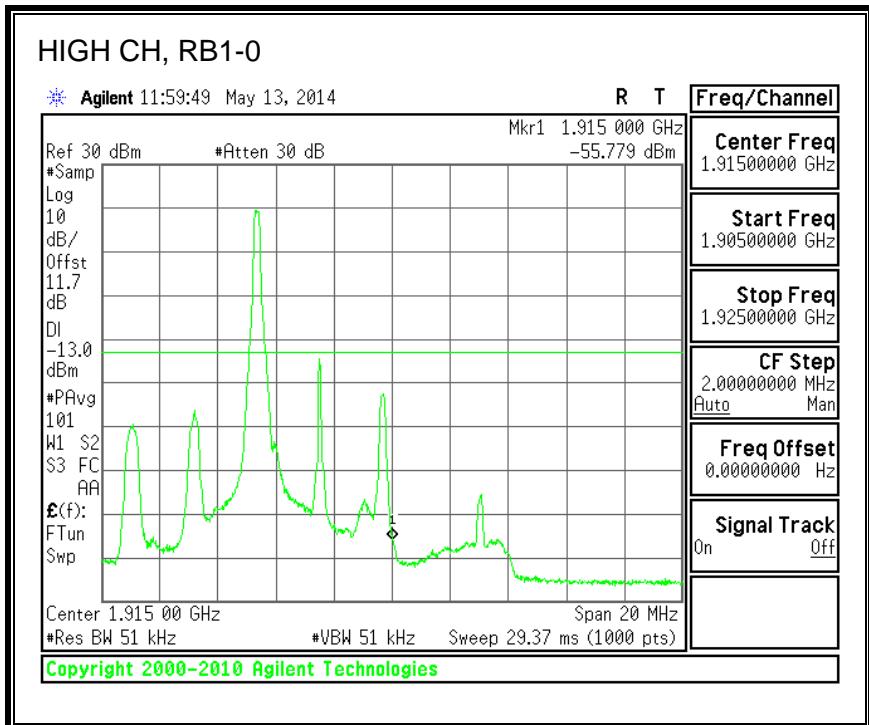
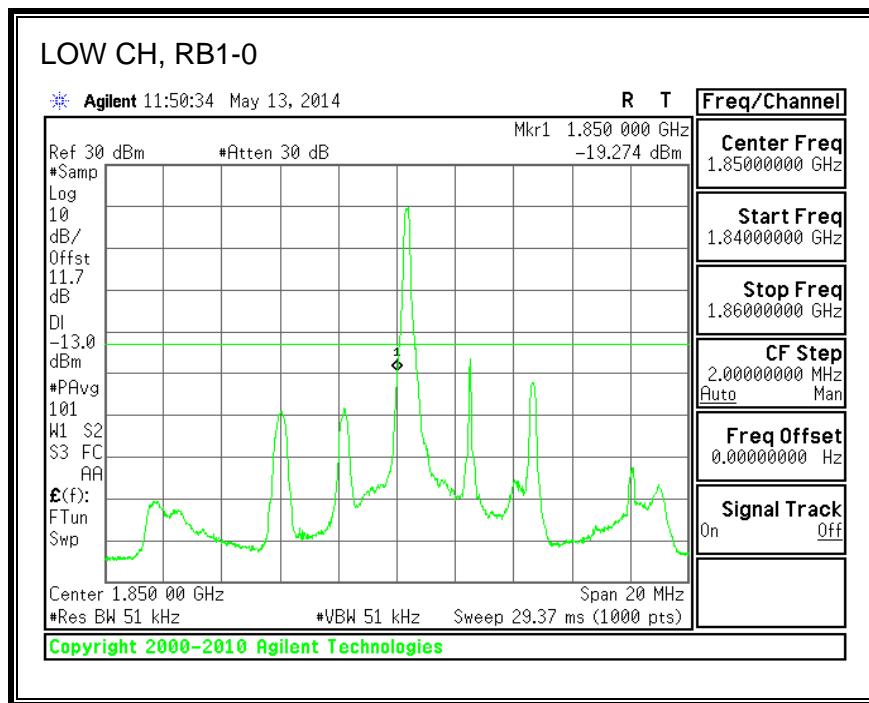


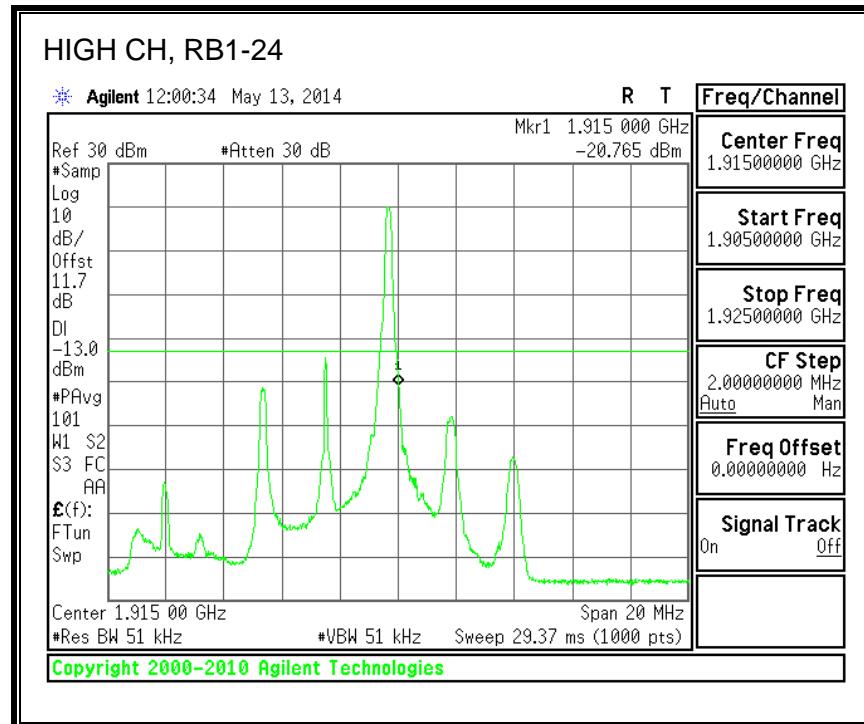
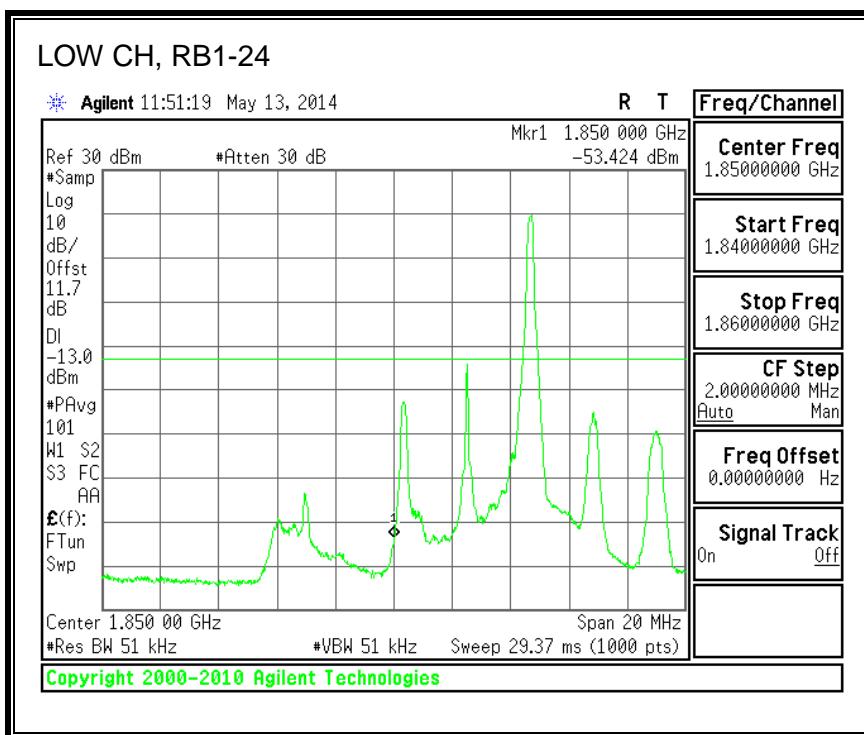


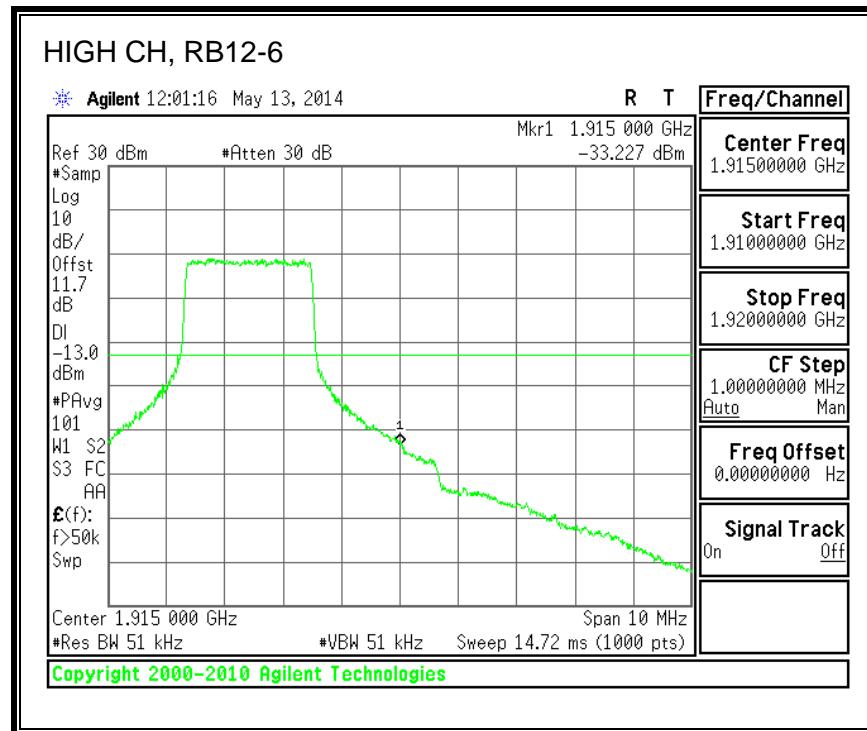
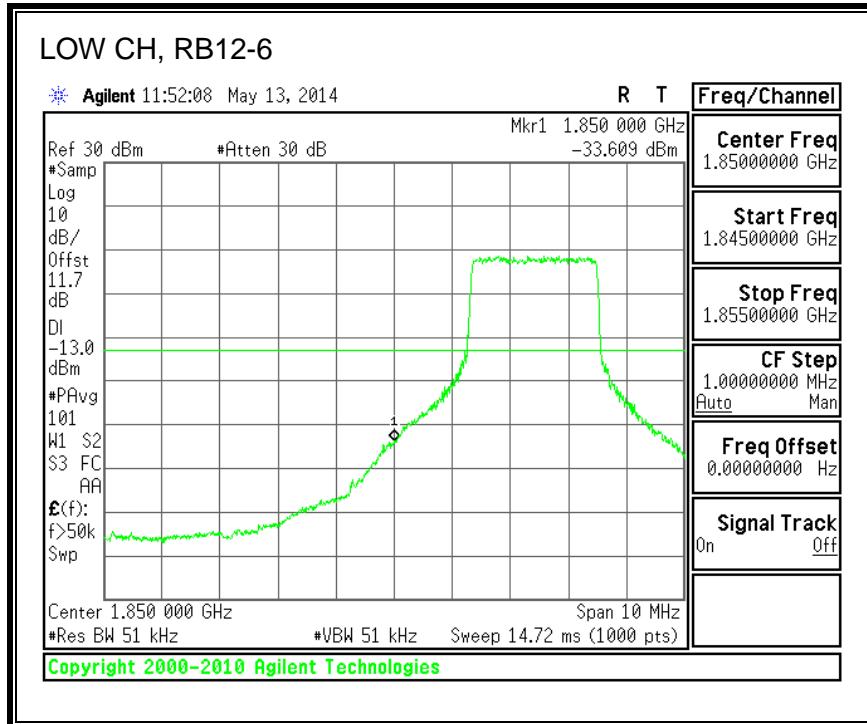


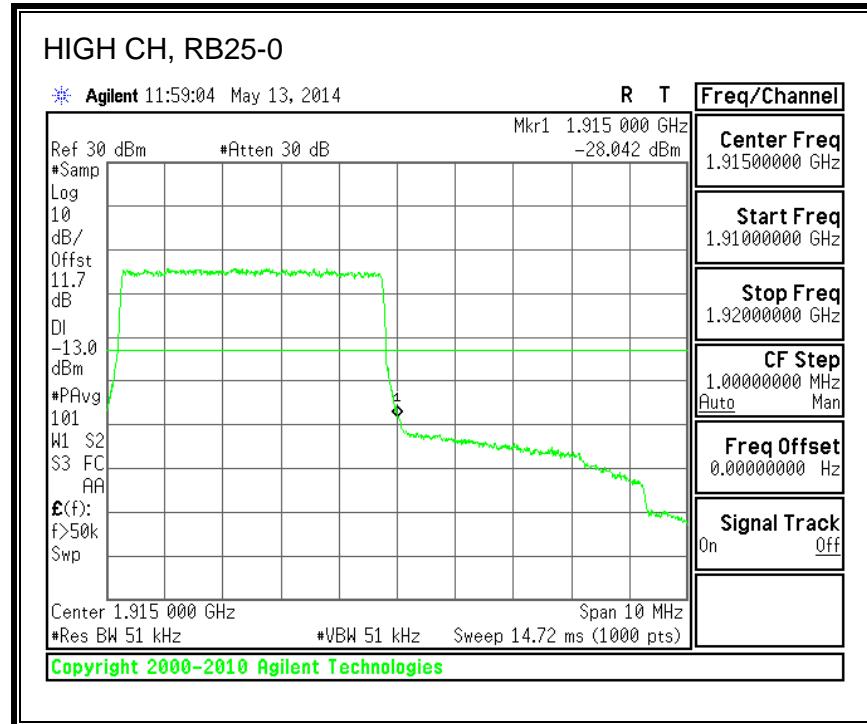
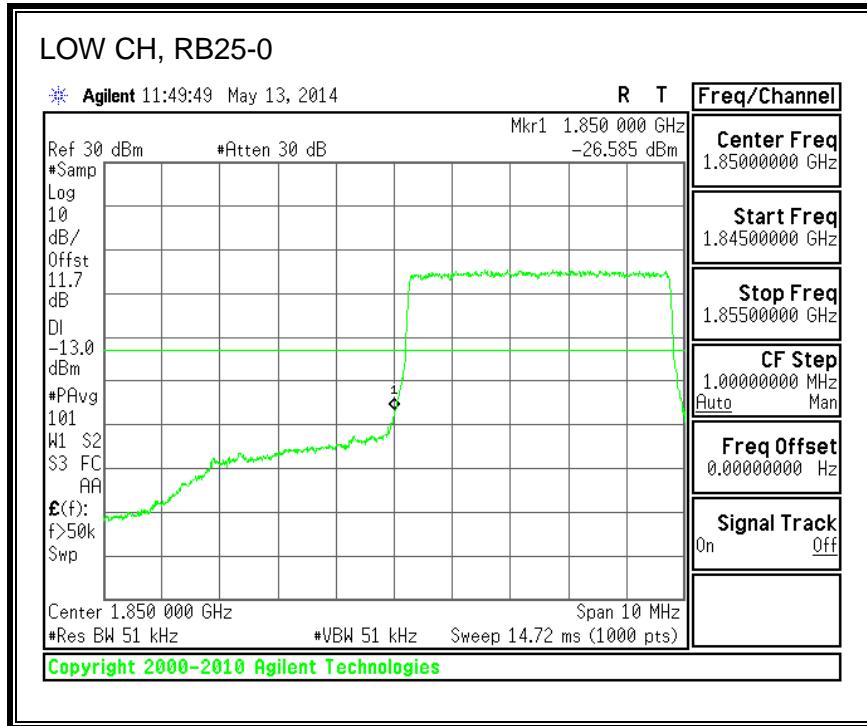


**QPSK, (5.0 MHz BAND WIDTH)**

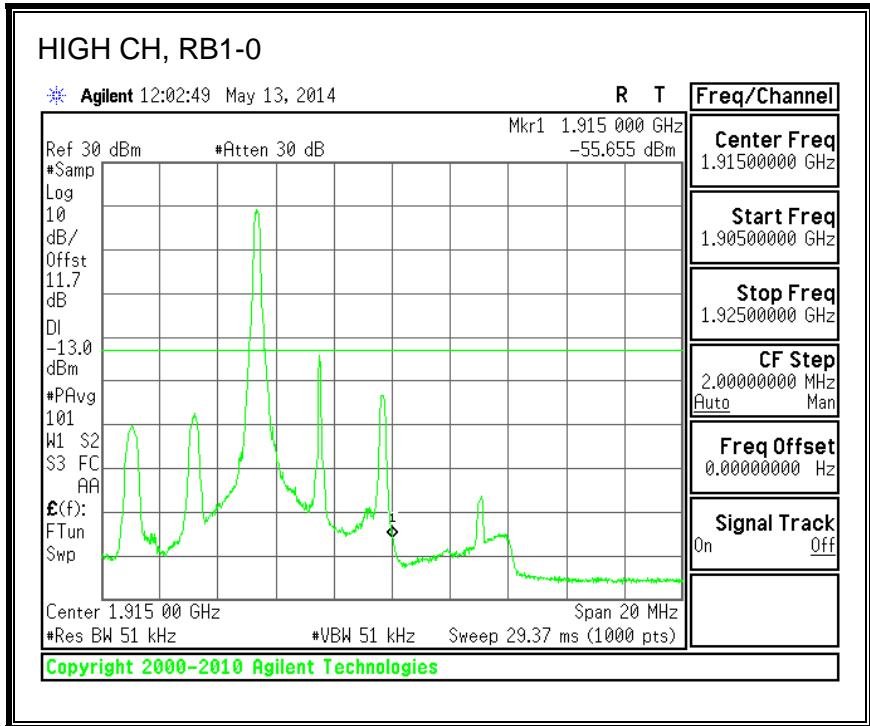
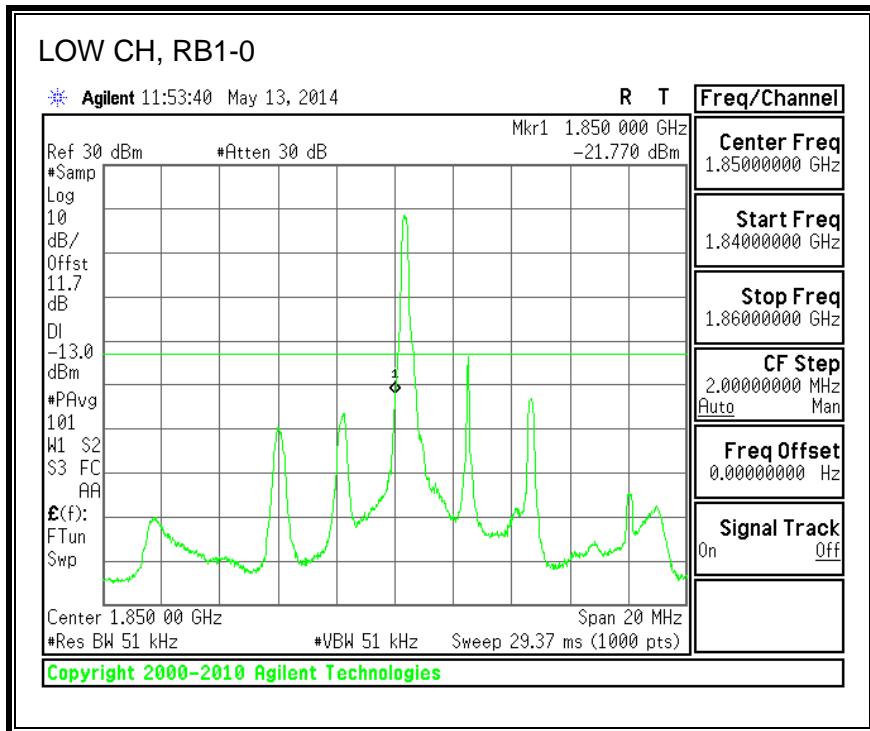


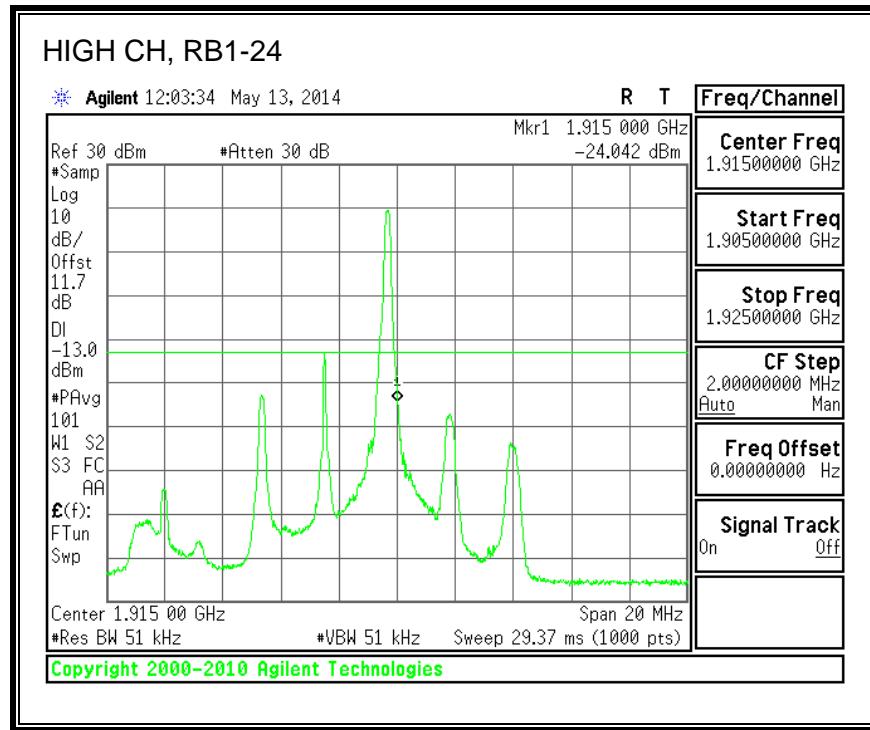
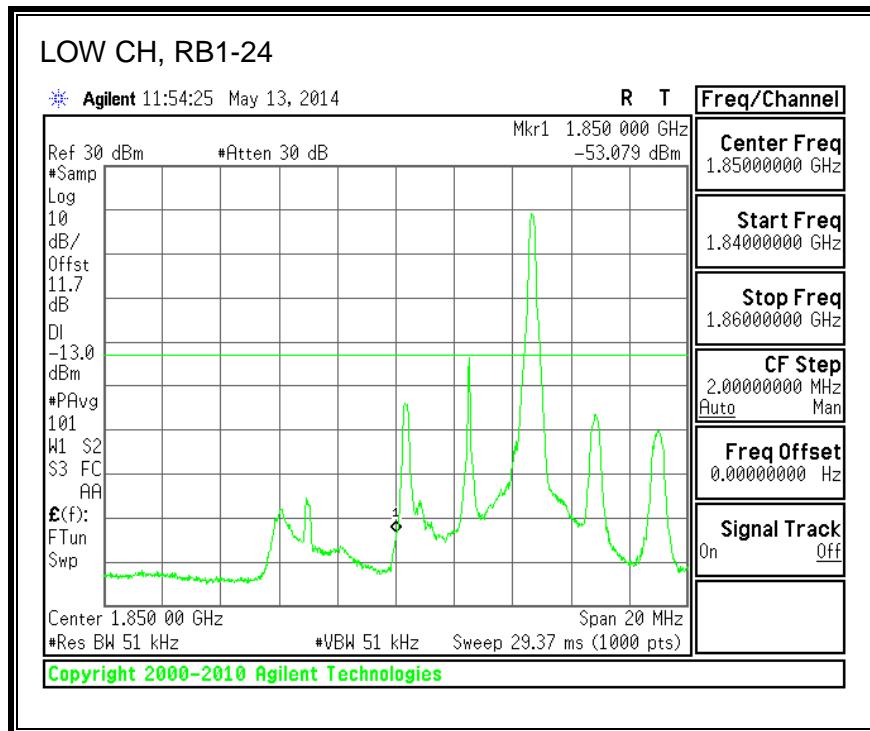


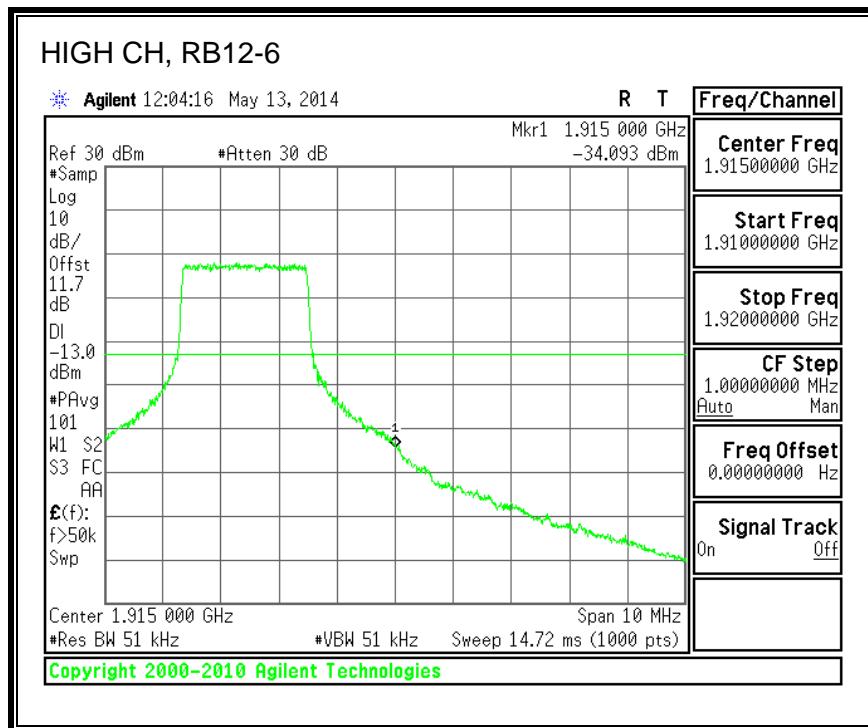
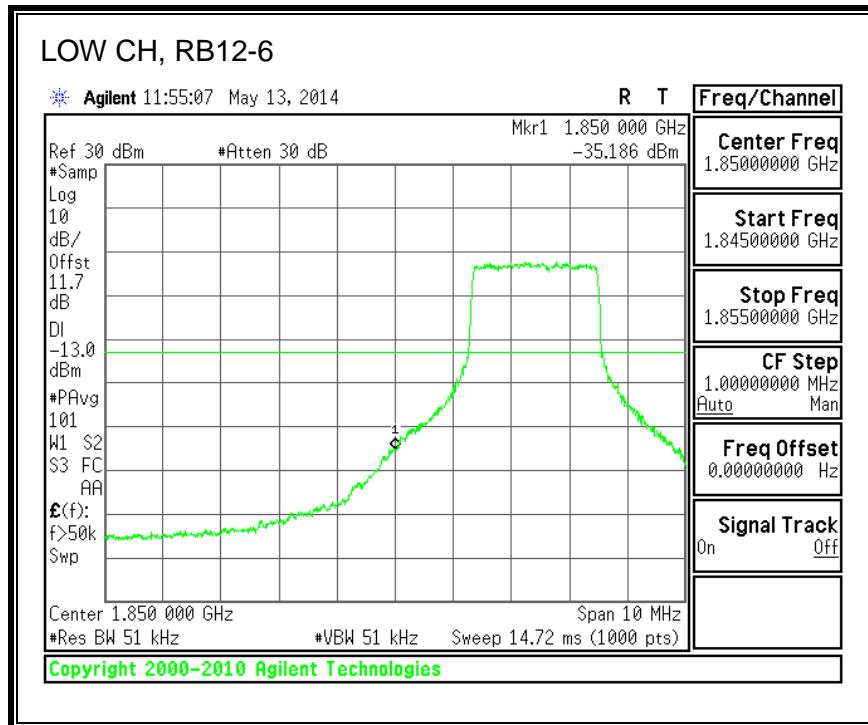


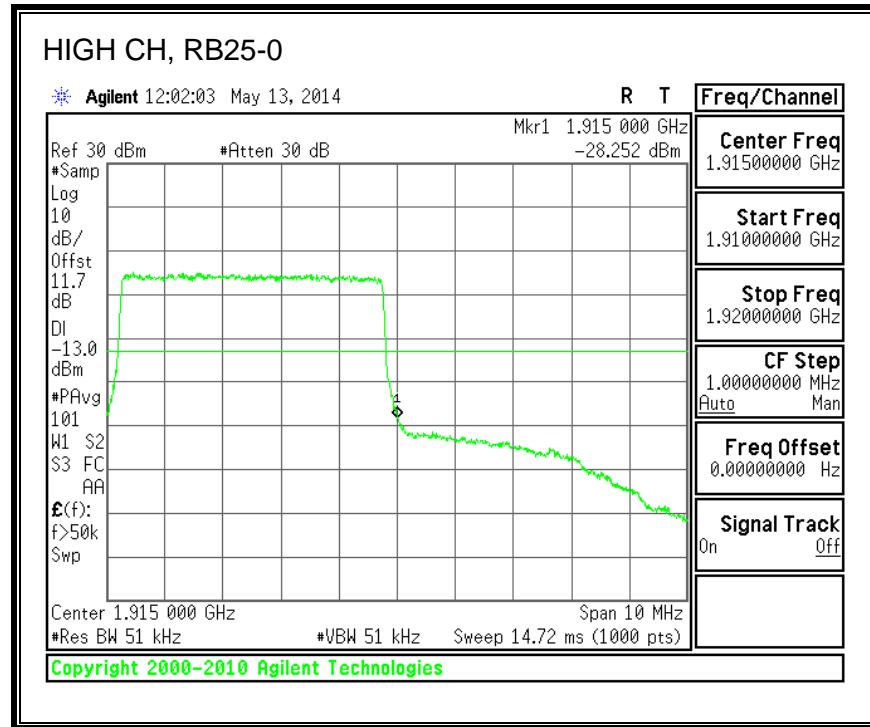
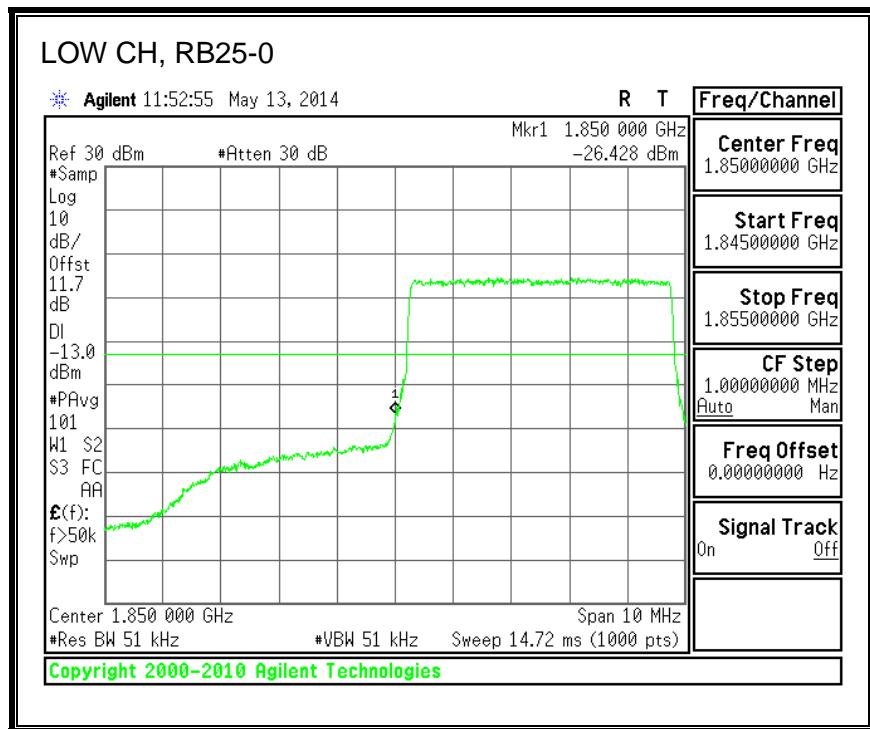


**16QAM, (5.0 MHz BAND WIDTH)**



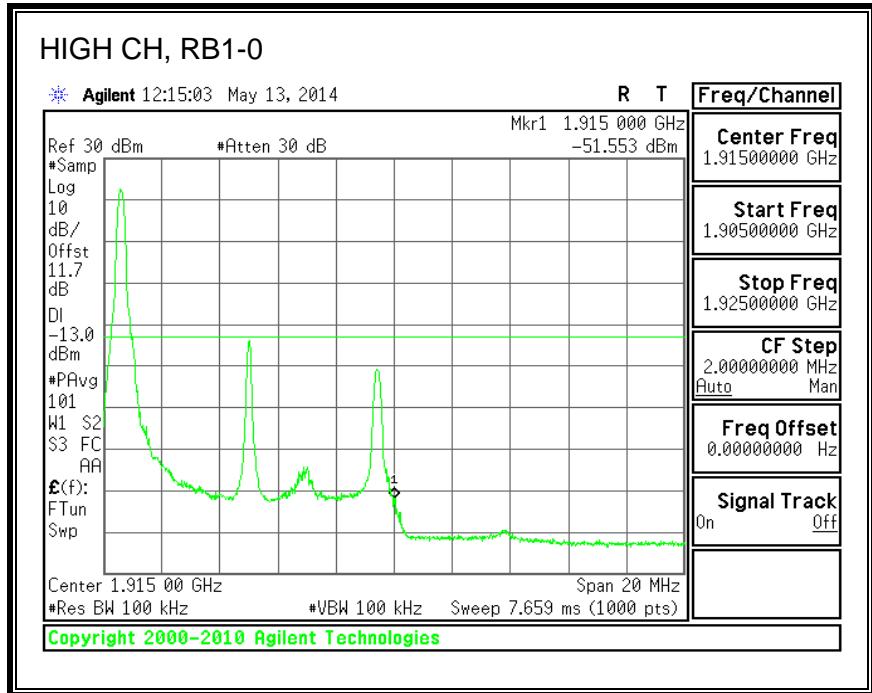
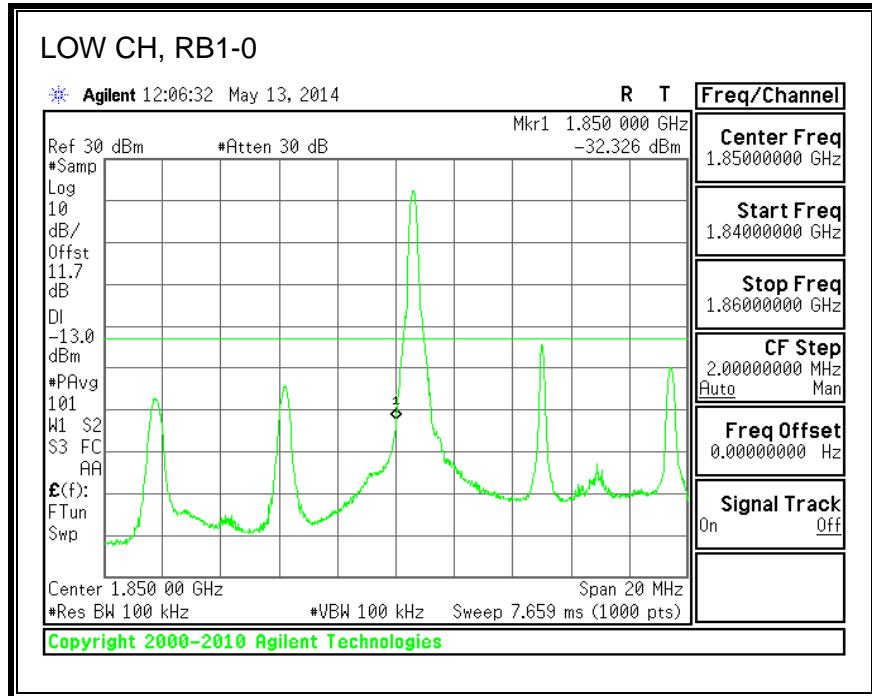


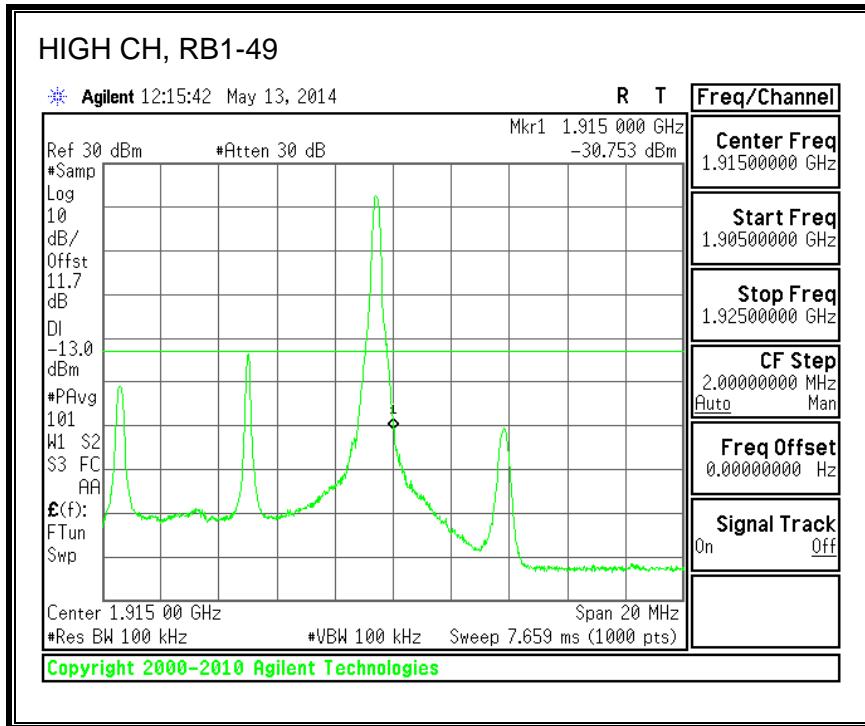
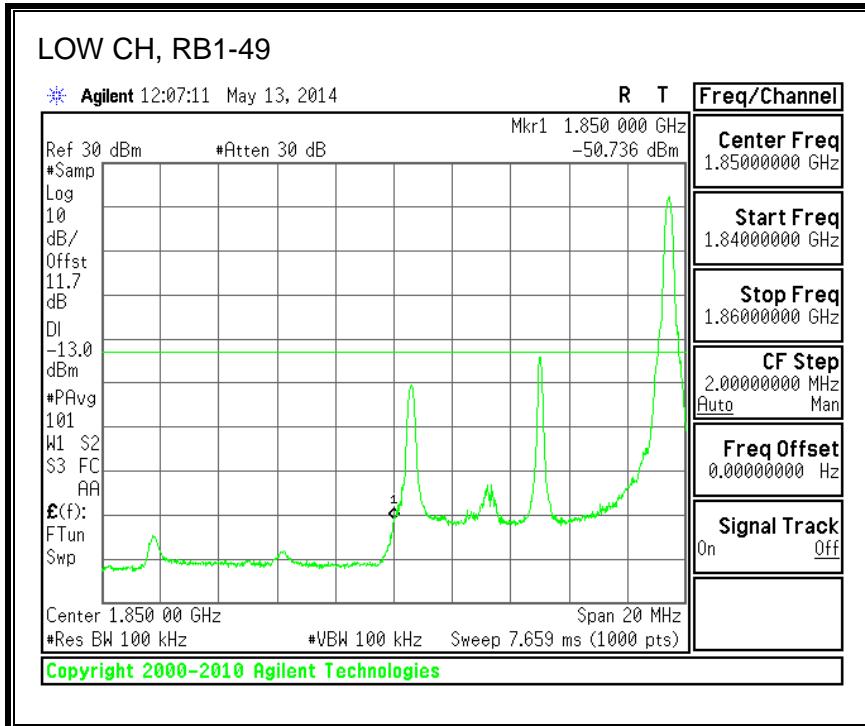


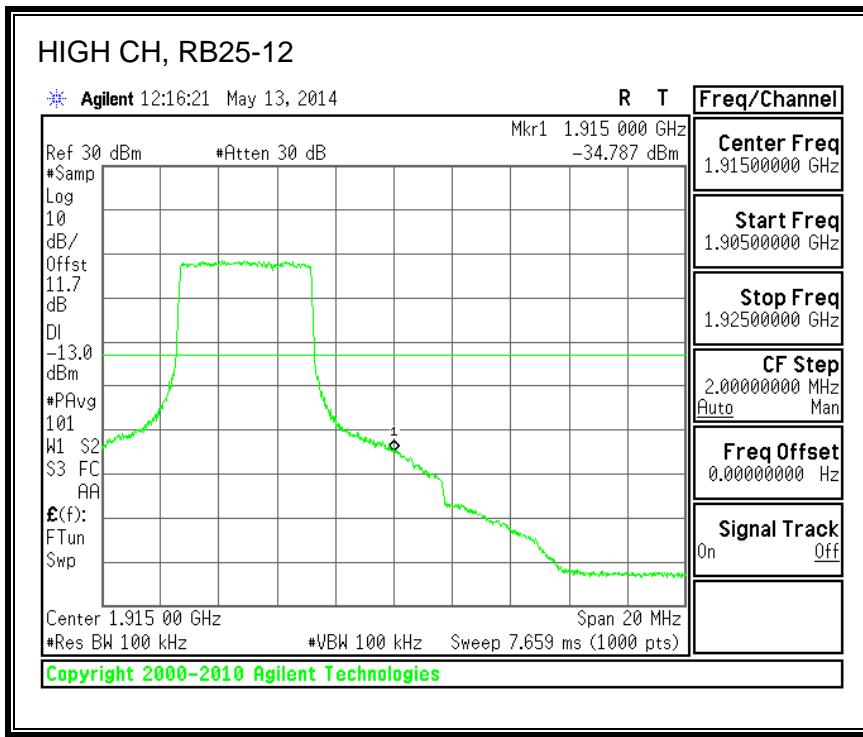
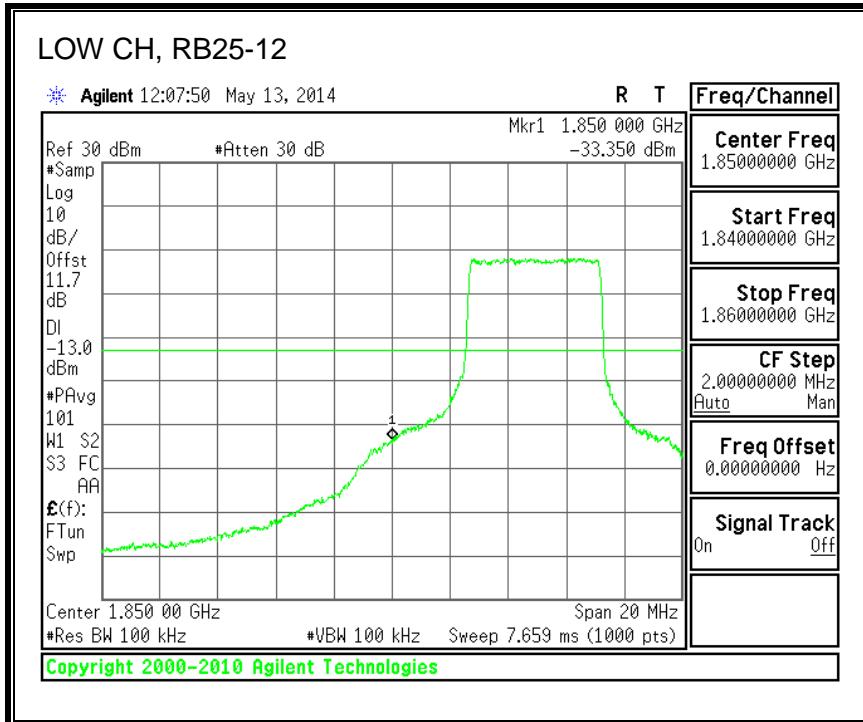


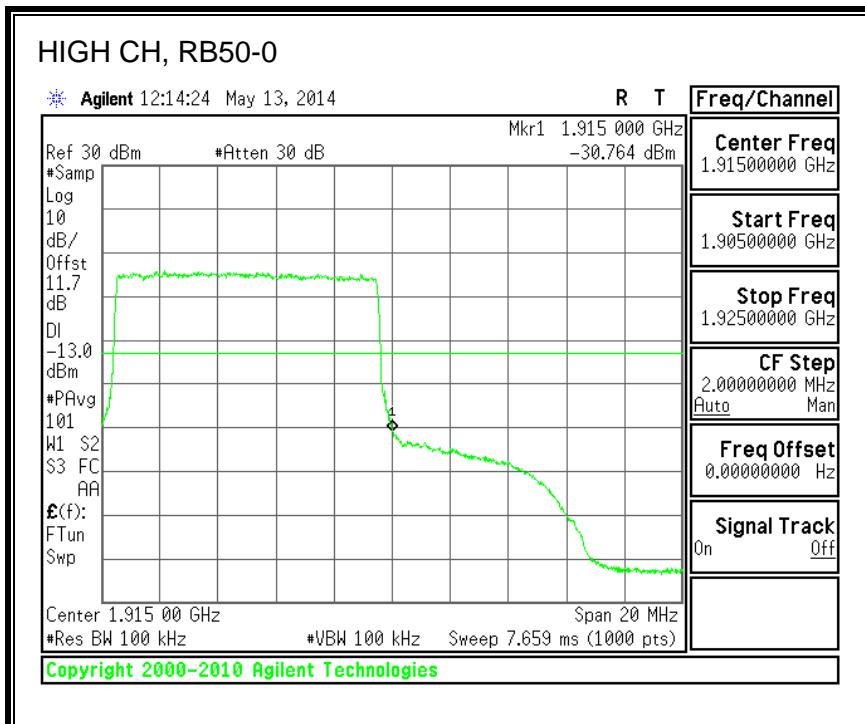
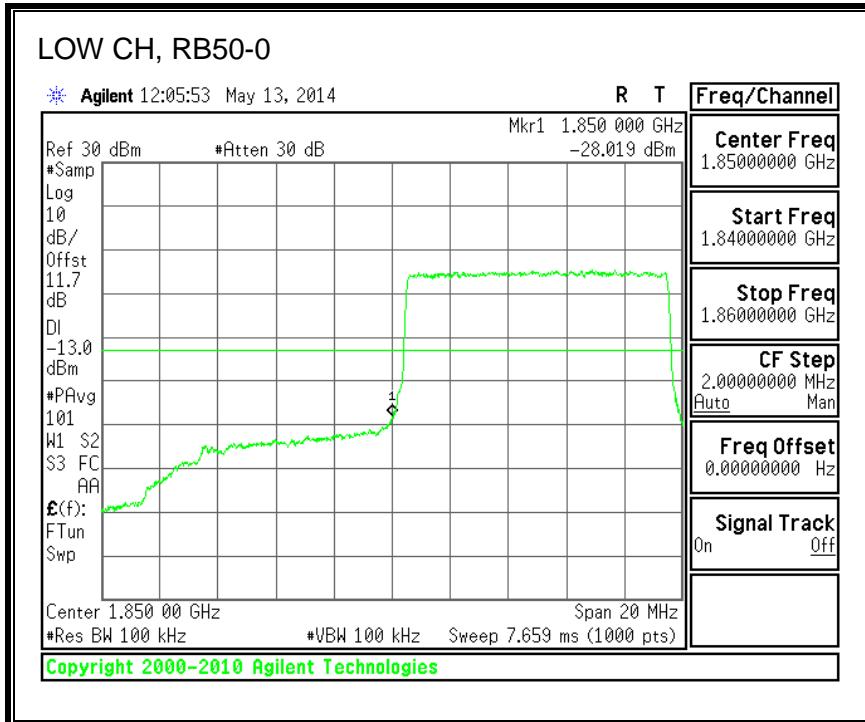
**Band 25 (10.0 MHz BAND WIDTH)**

**LTE QPSK**

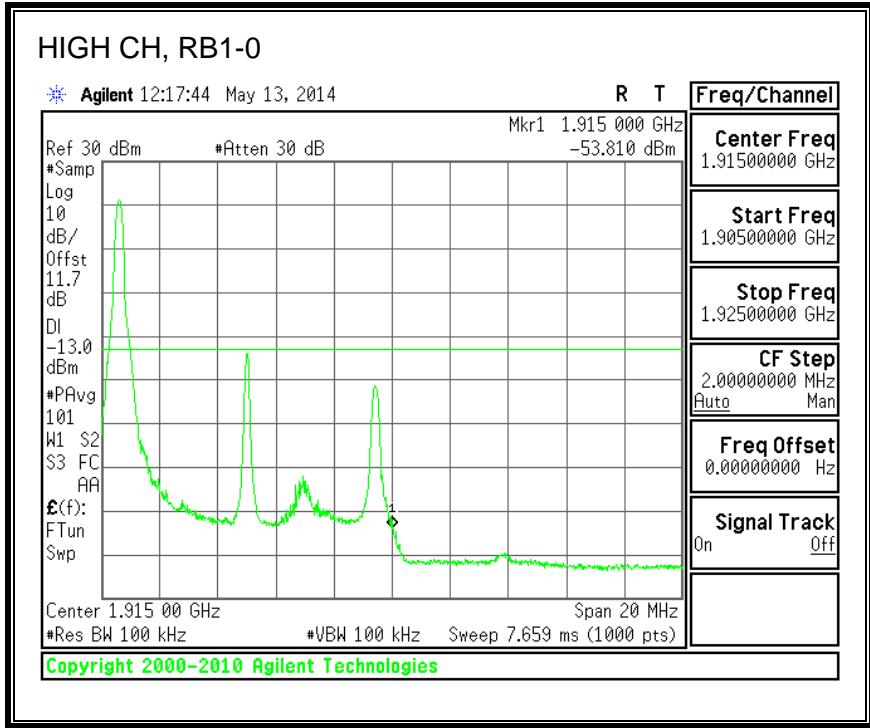
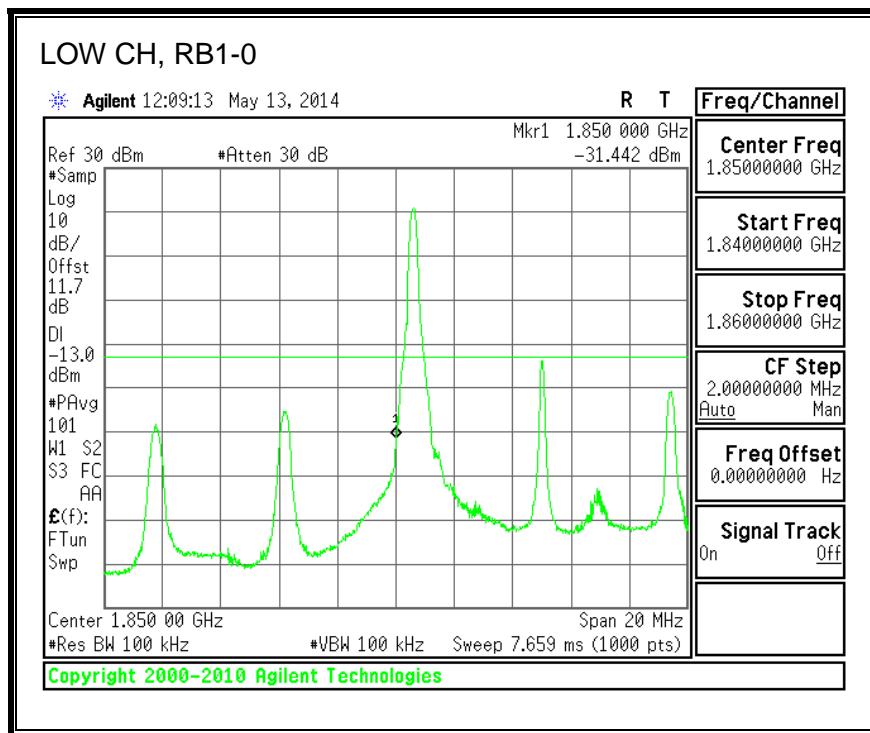


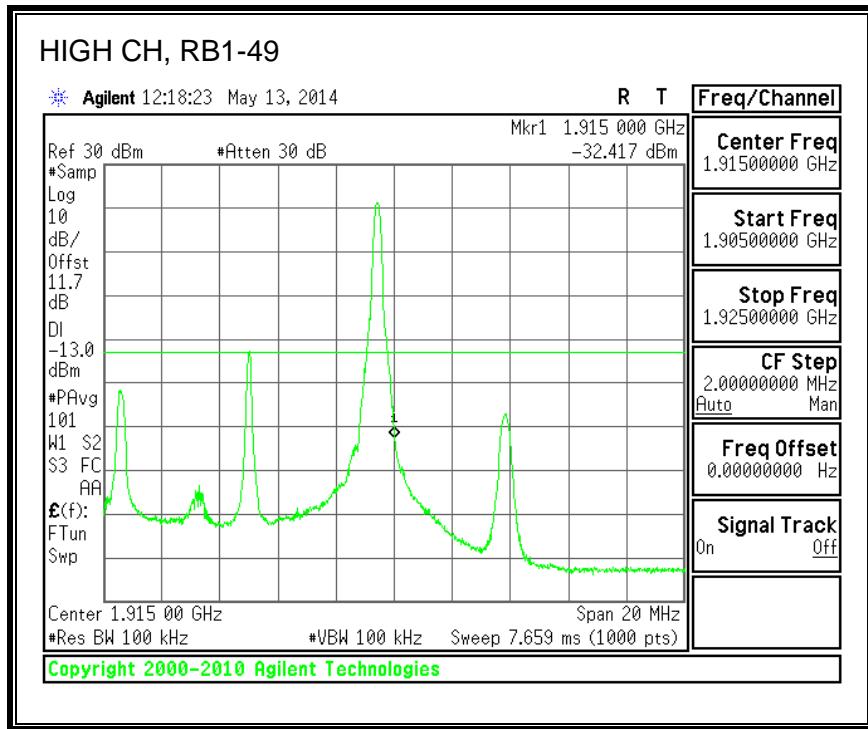
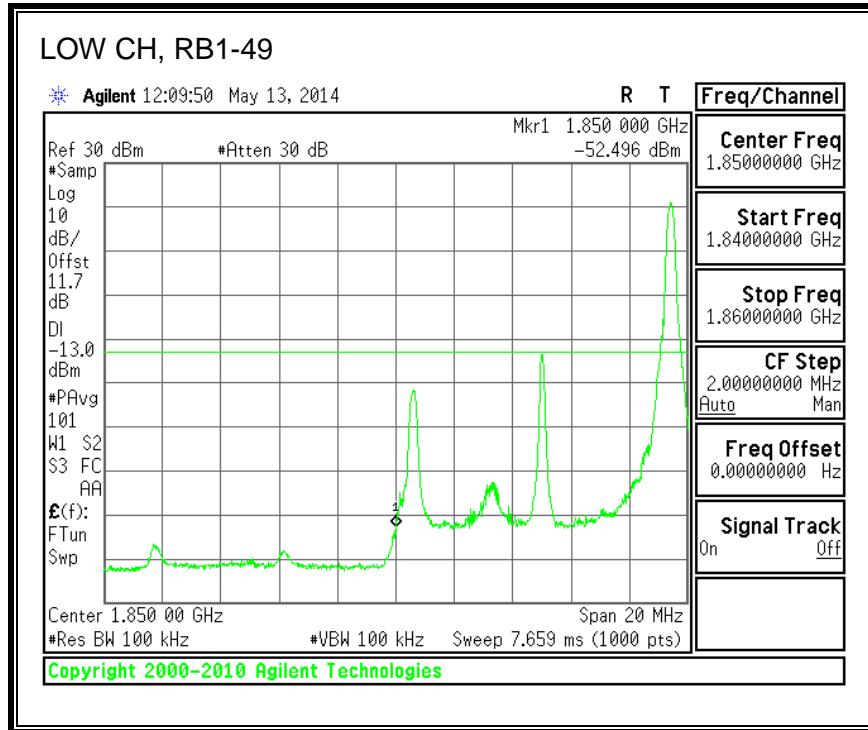


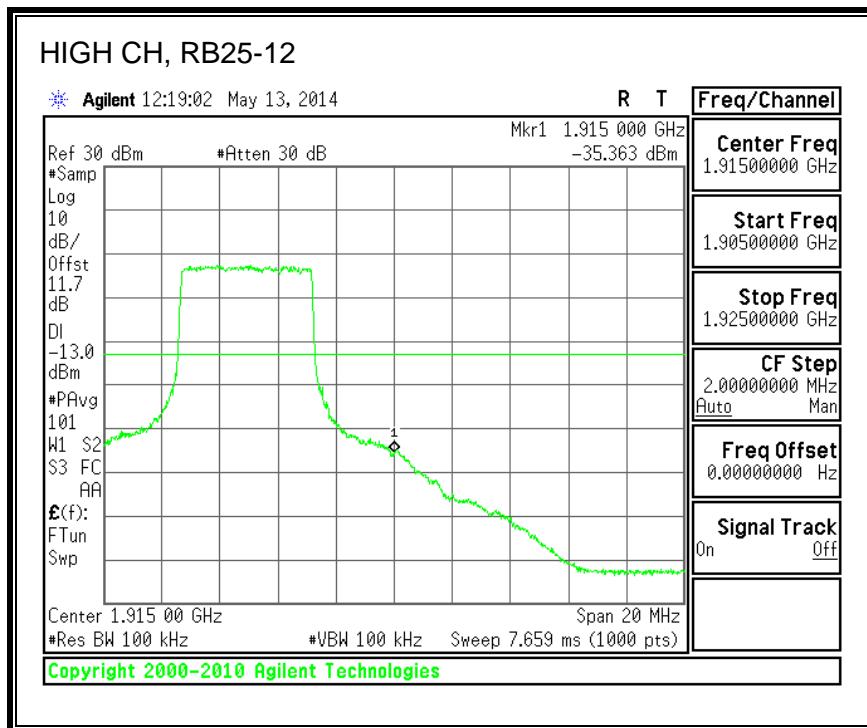
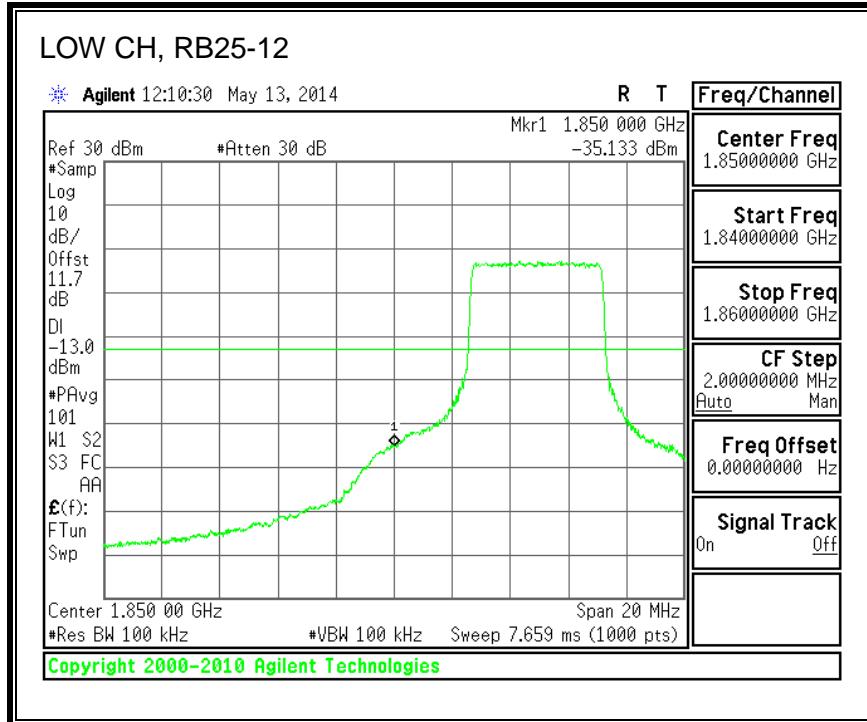


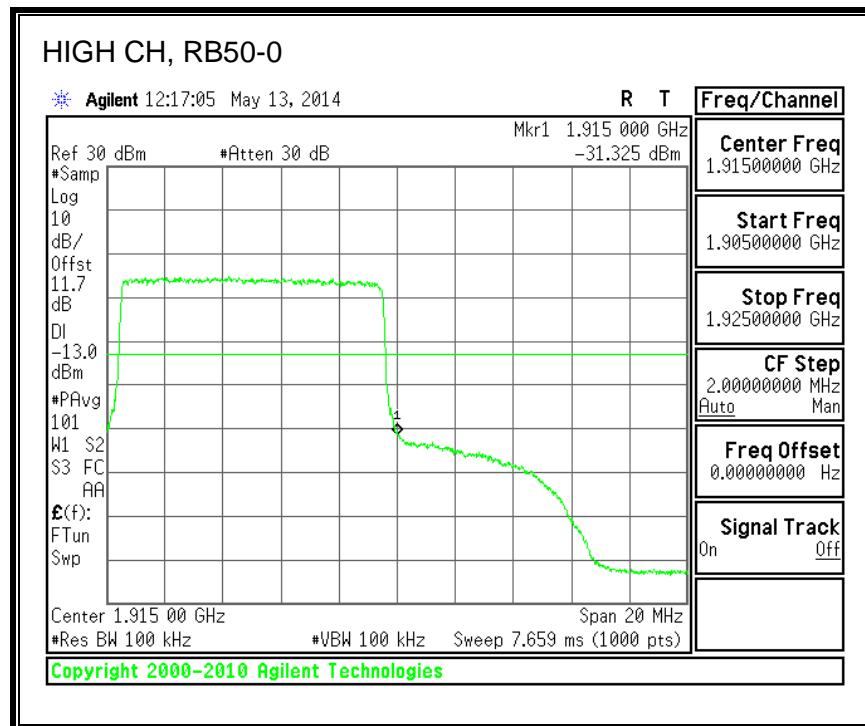
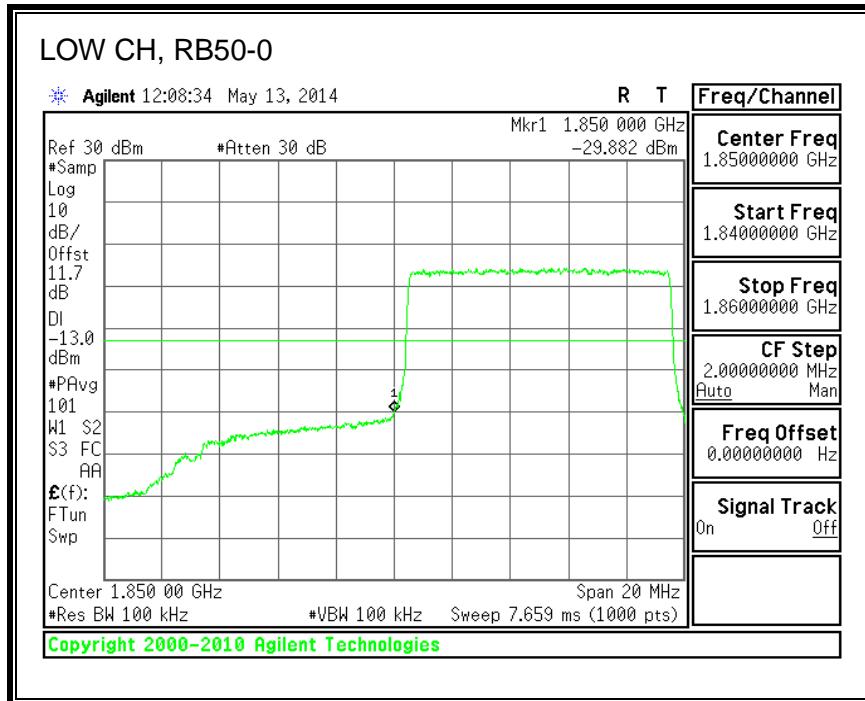


**16QAM, (10.0 MHz BAND WIDTH)**

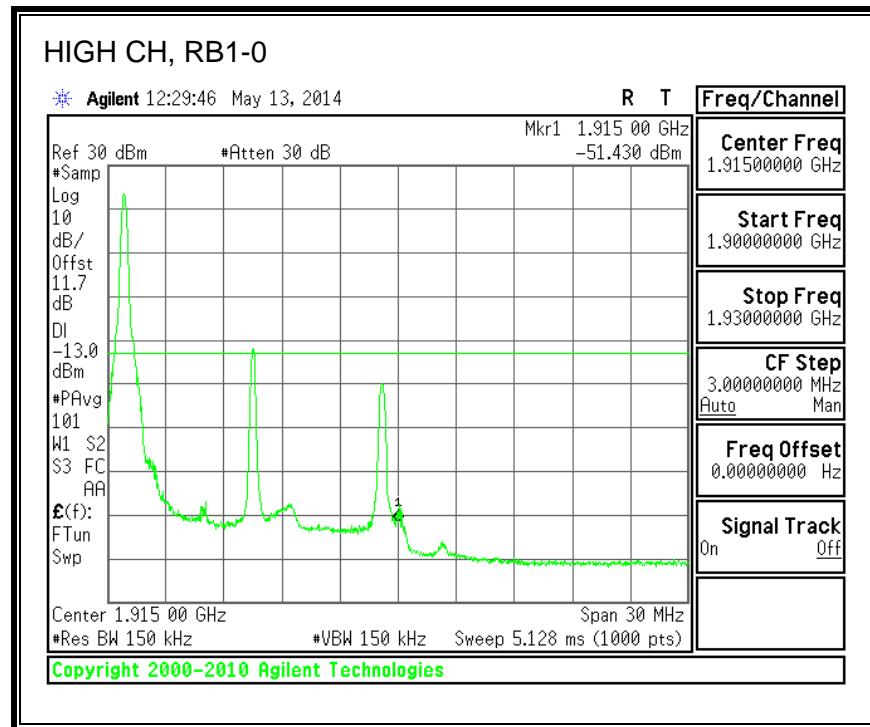
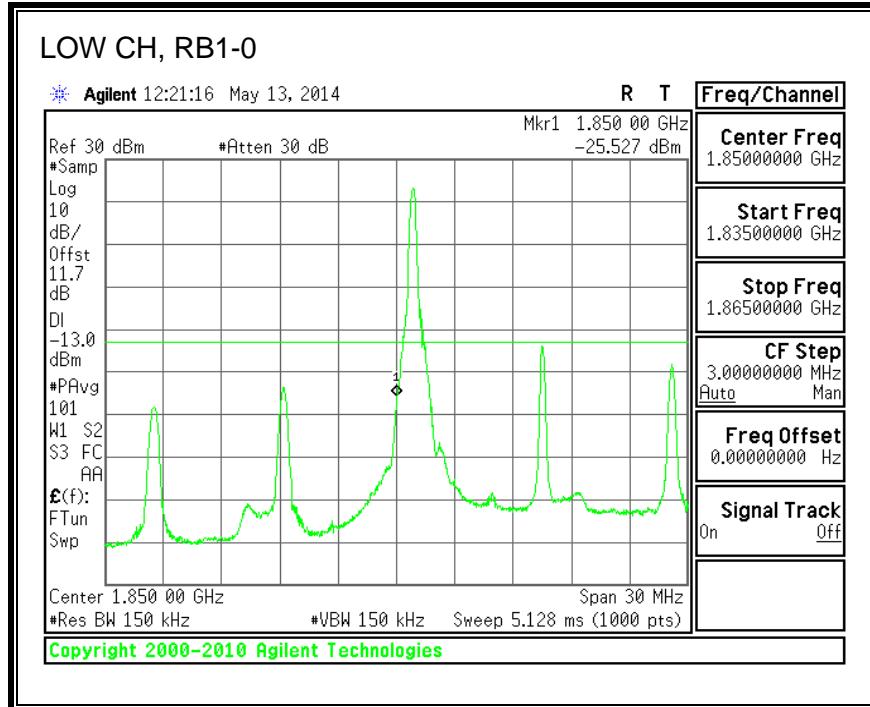


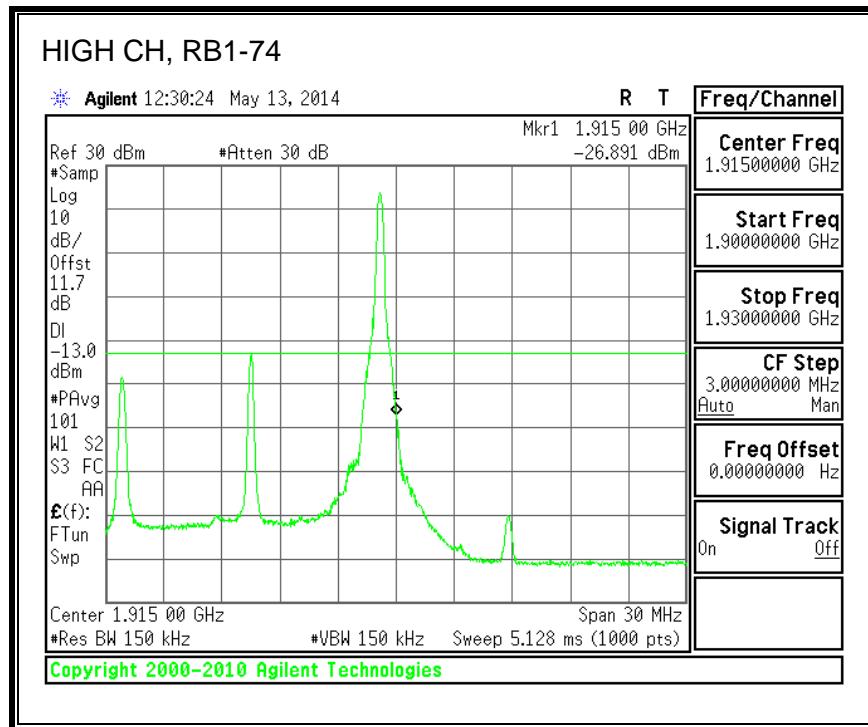
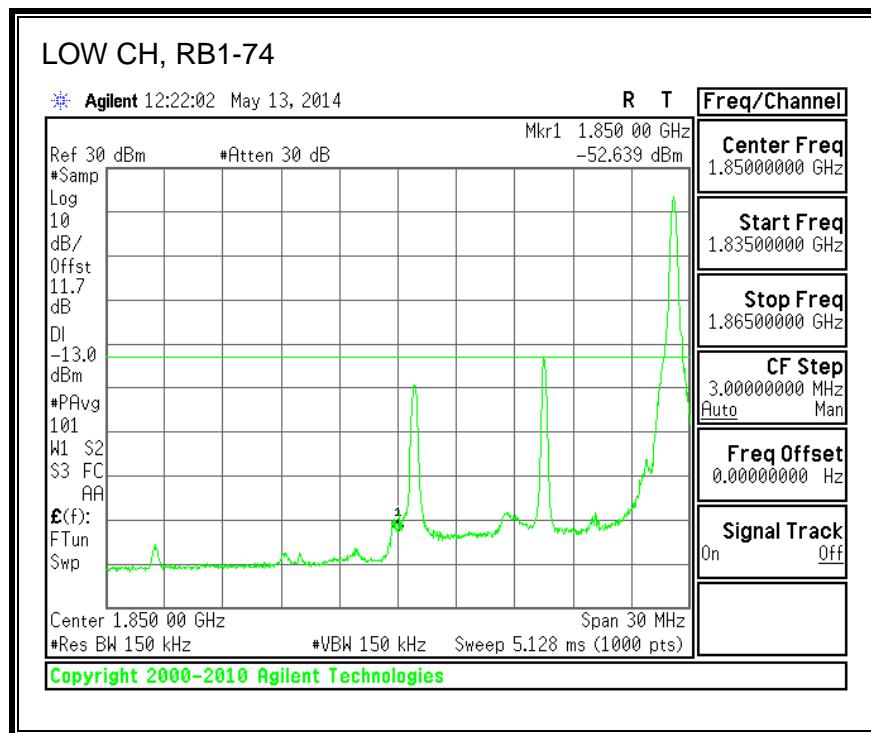


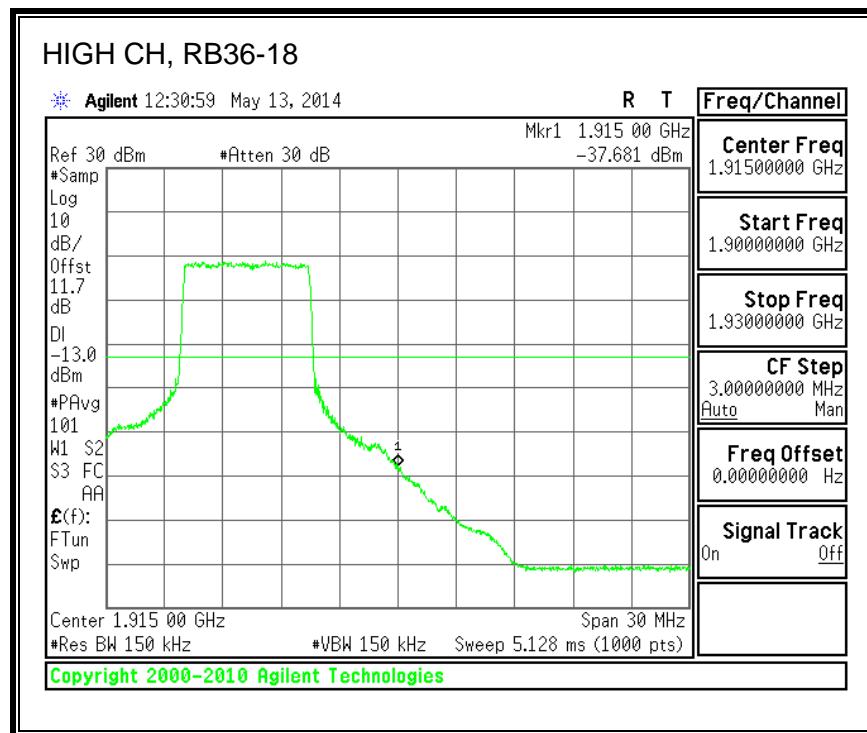
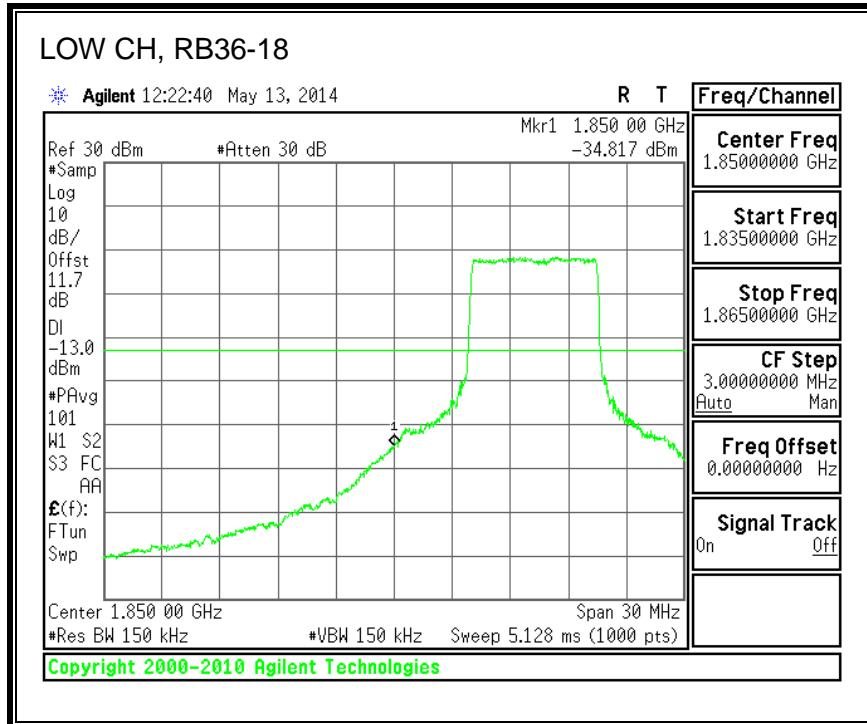


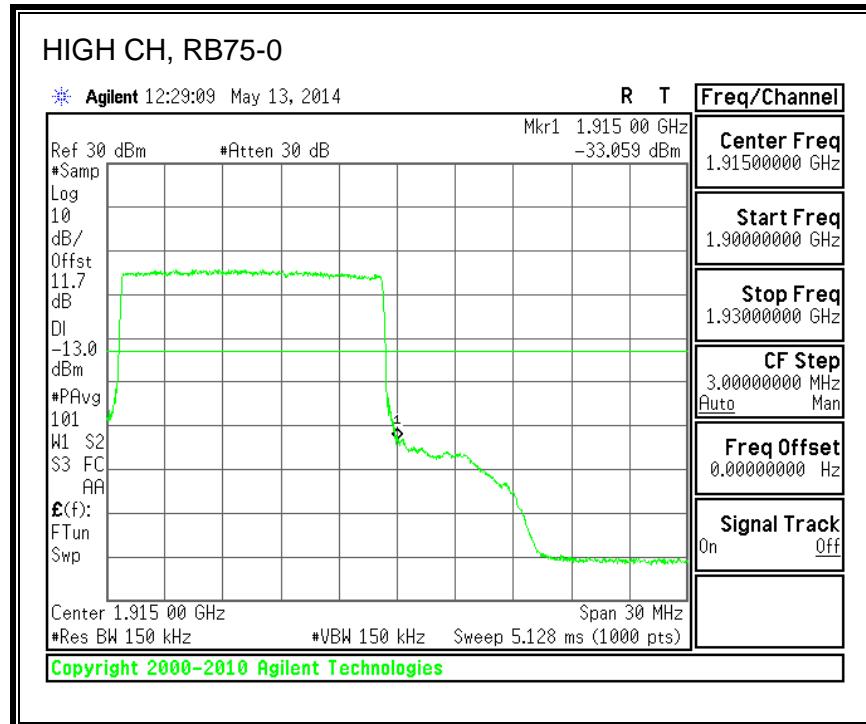
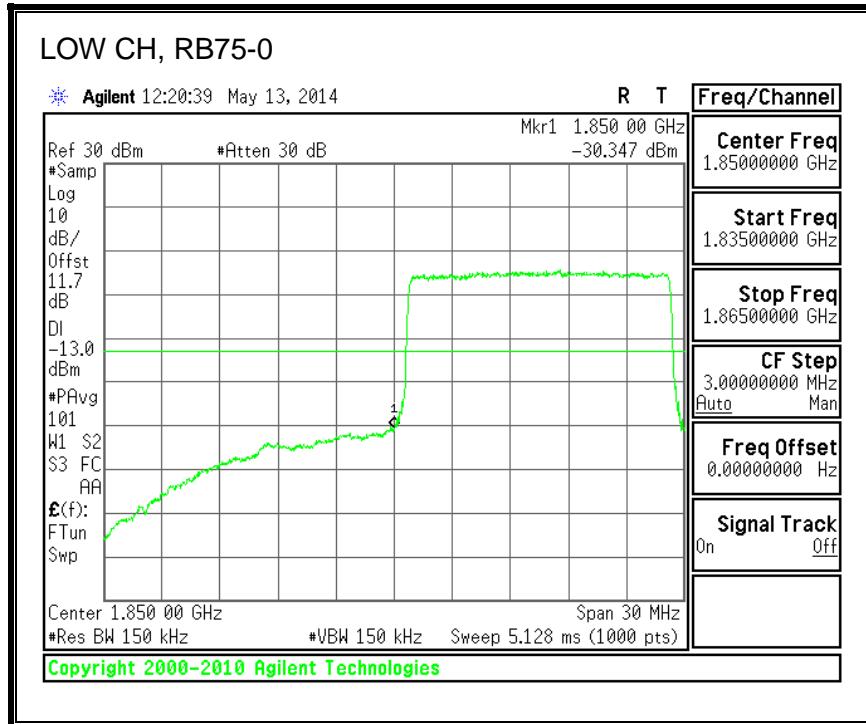


**QPSK, (15.0 MHz BAND WIDTH)**

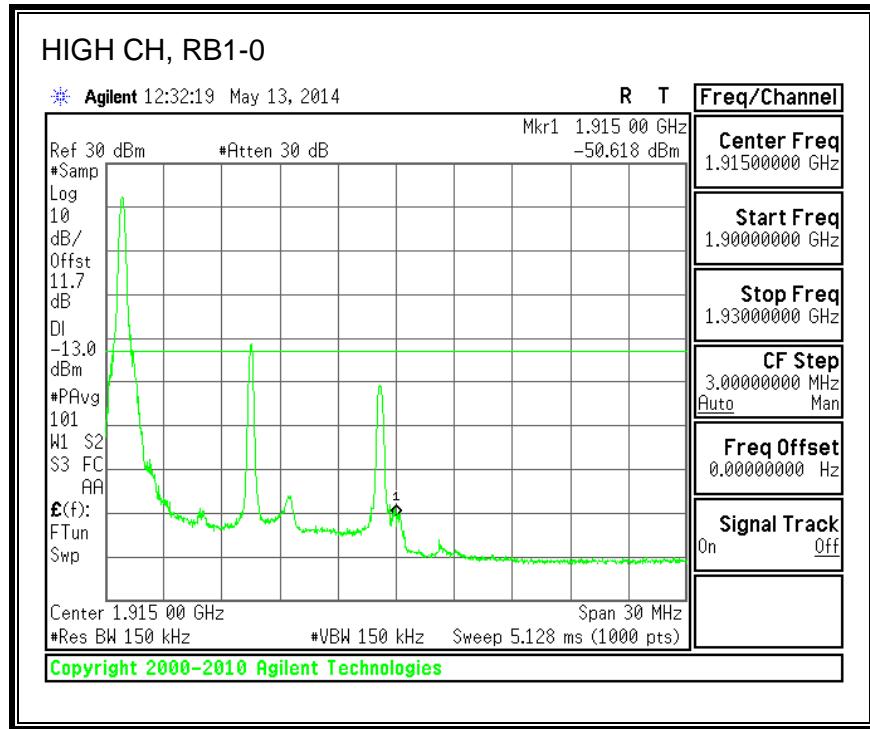
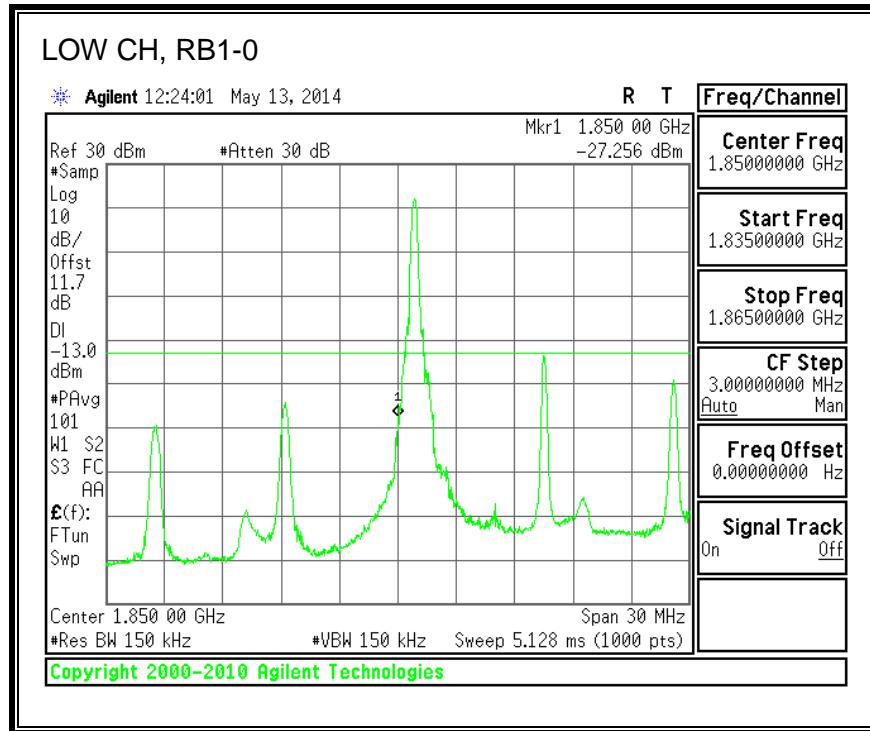


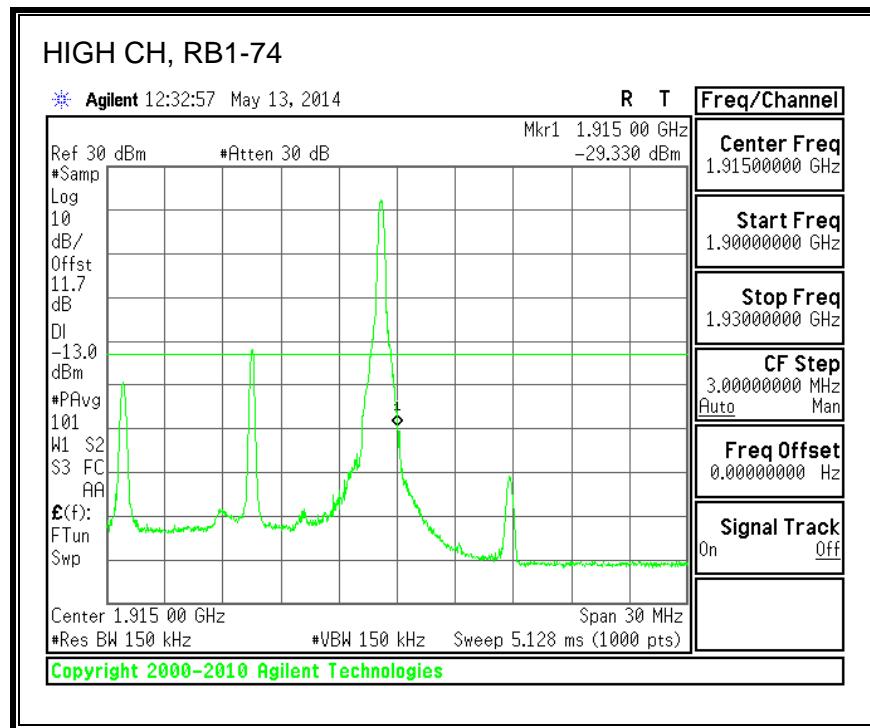
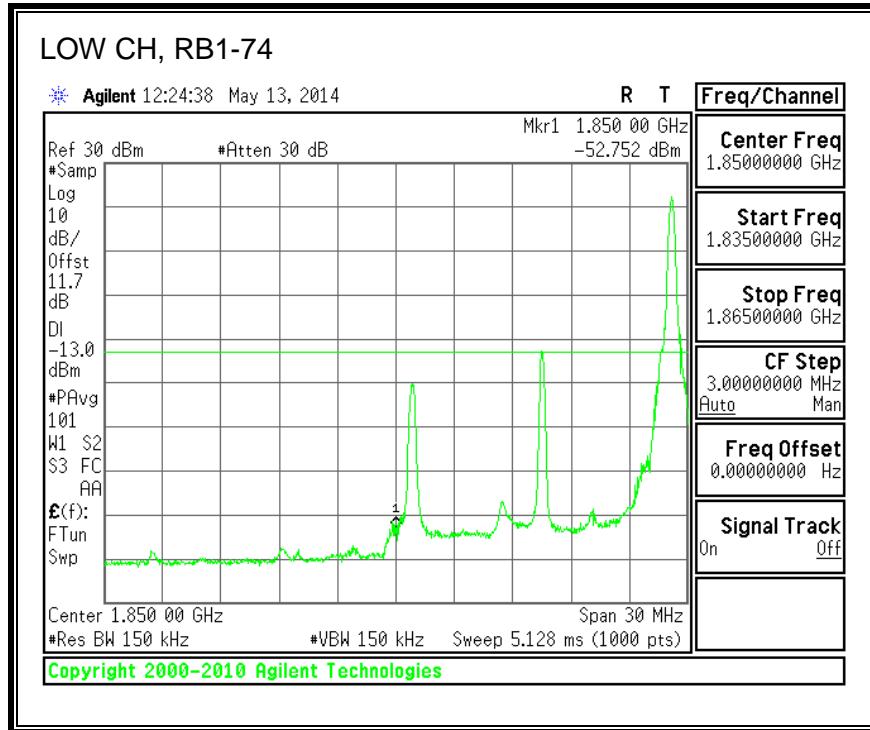


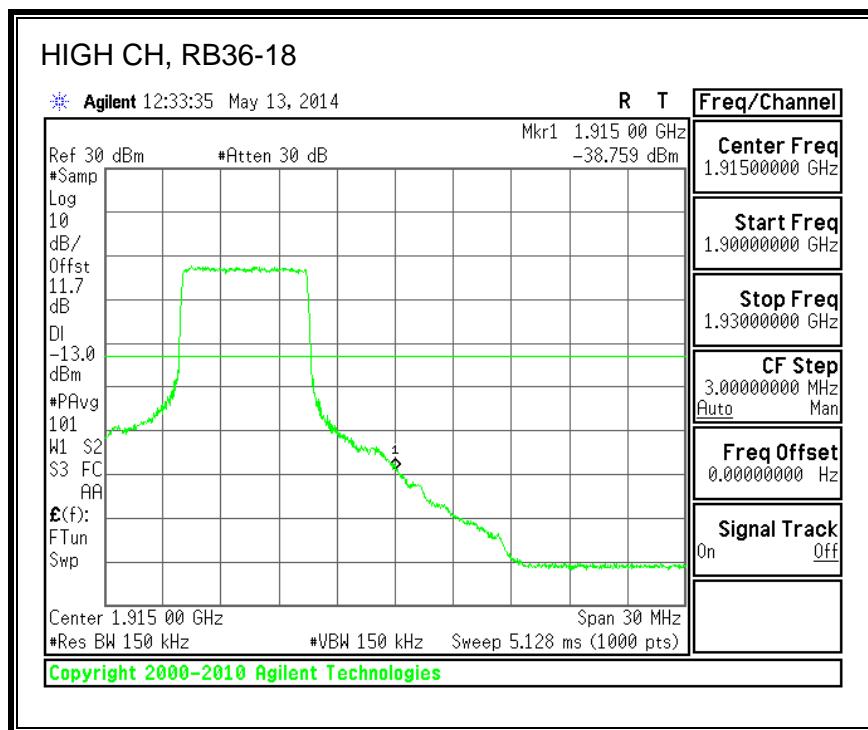
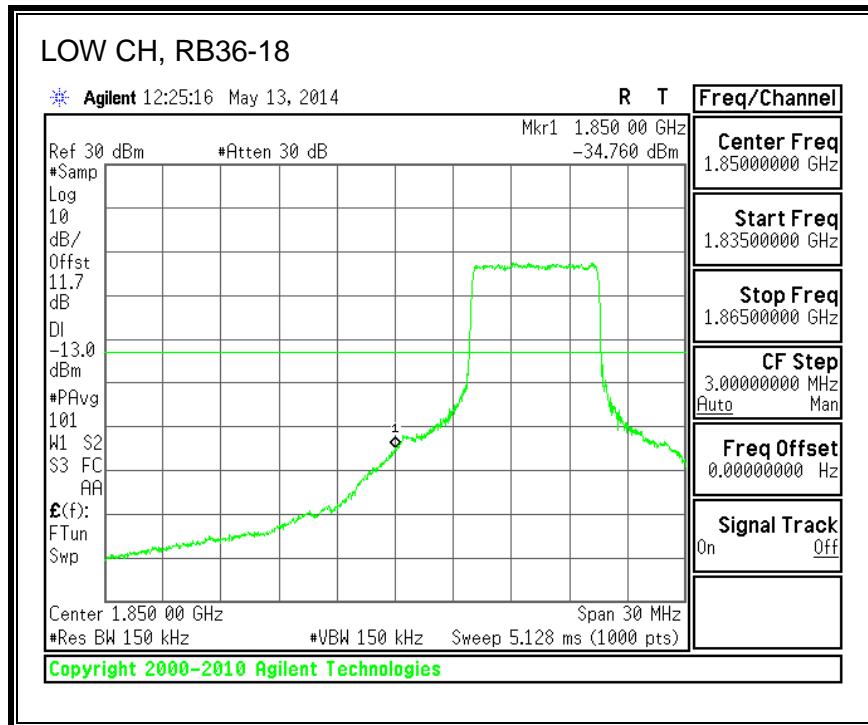


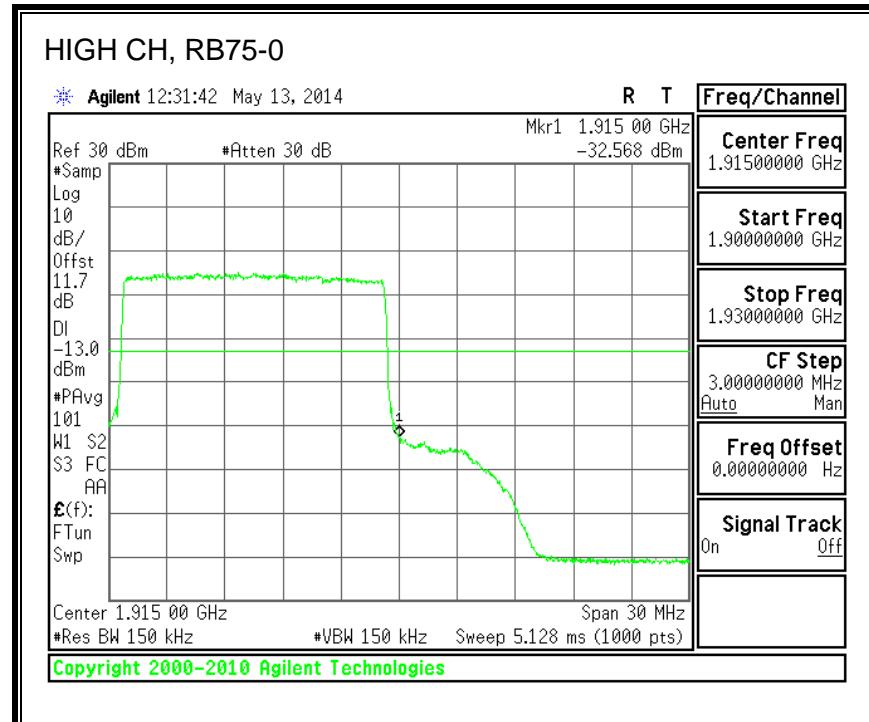
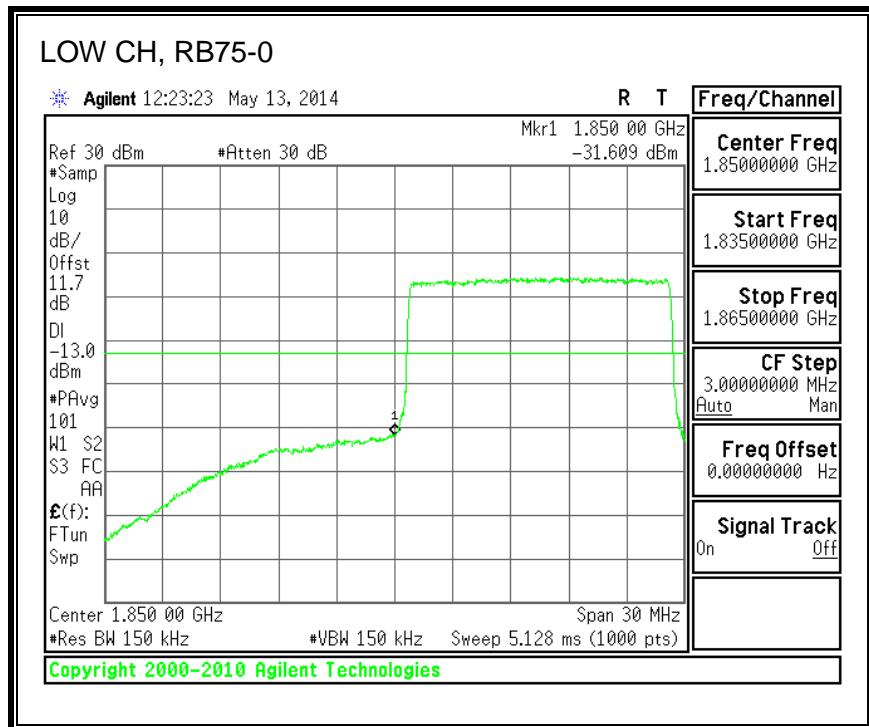


**16QAM, (15.0 MHz BAND WIDTH)**

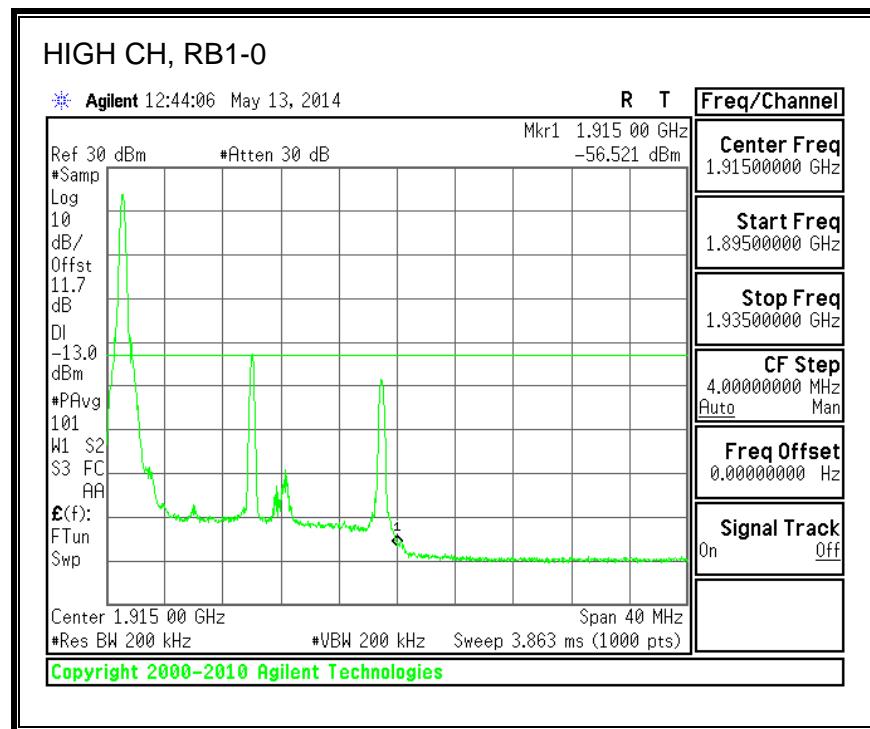
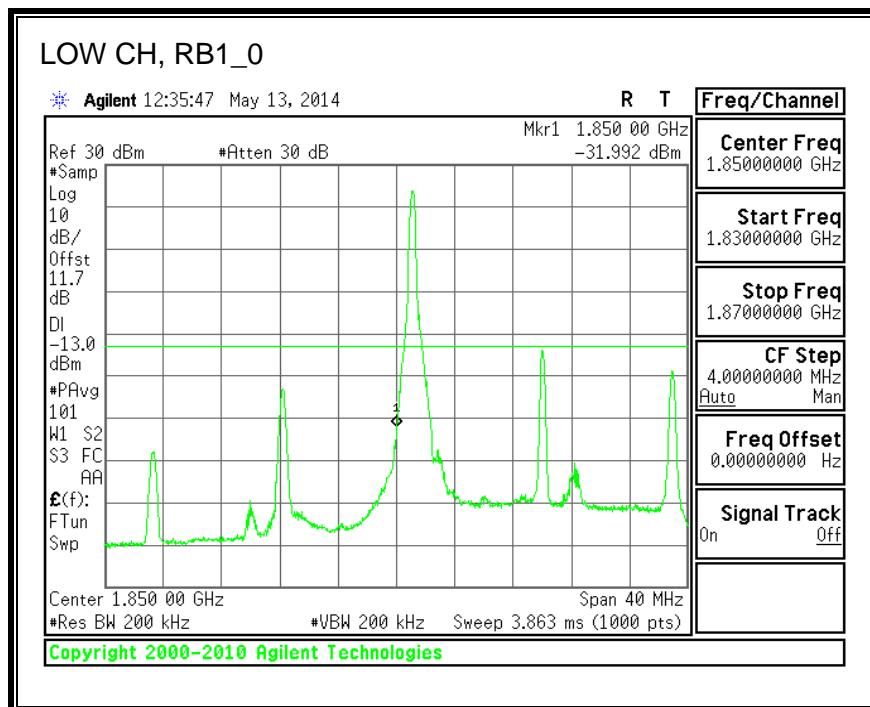


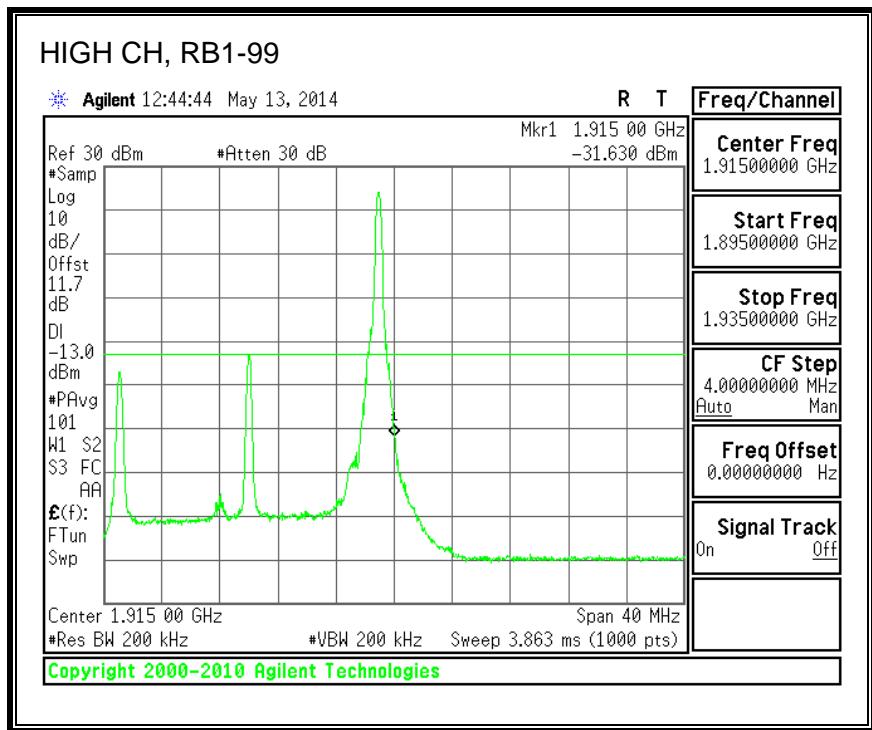
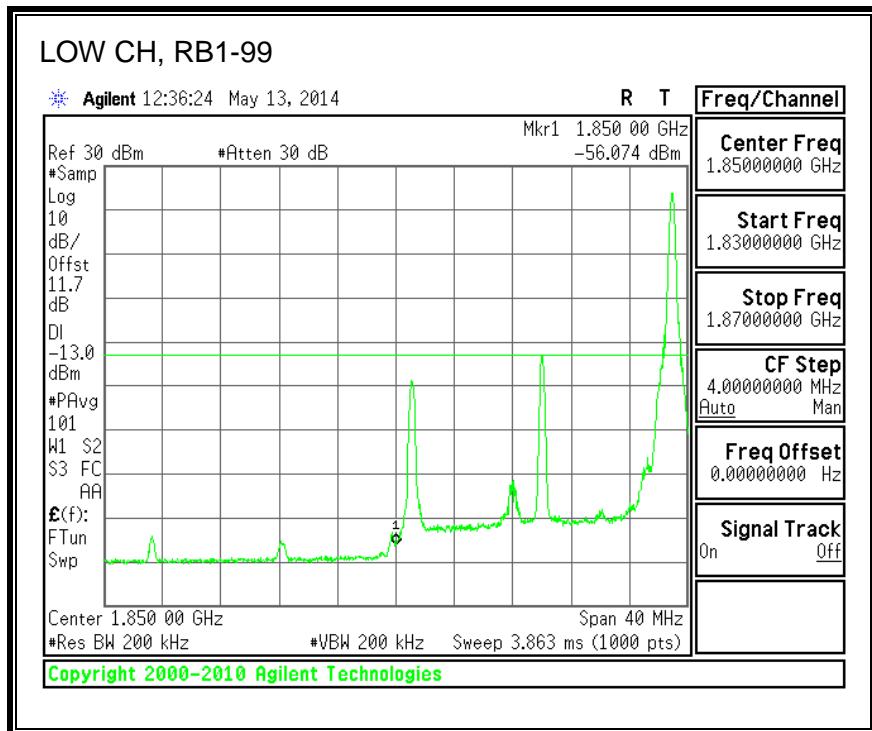


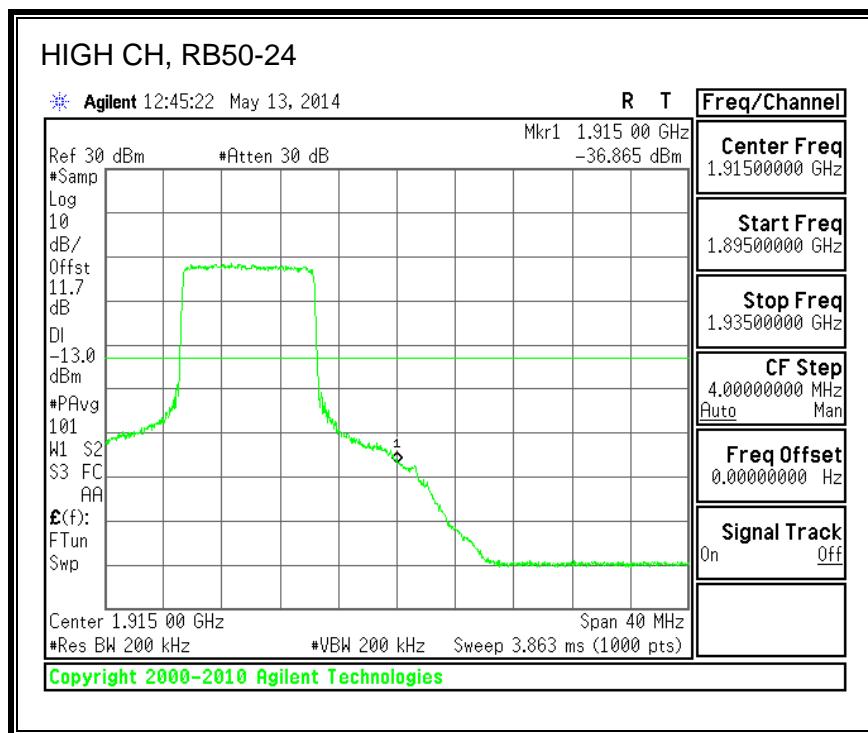
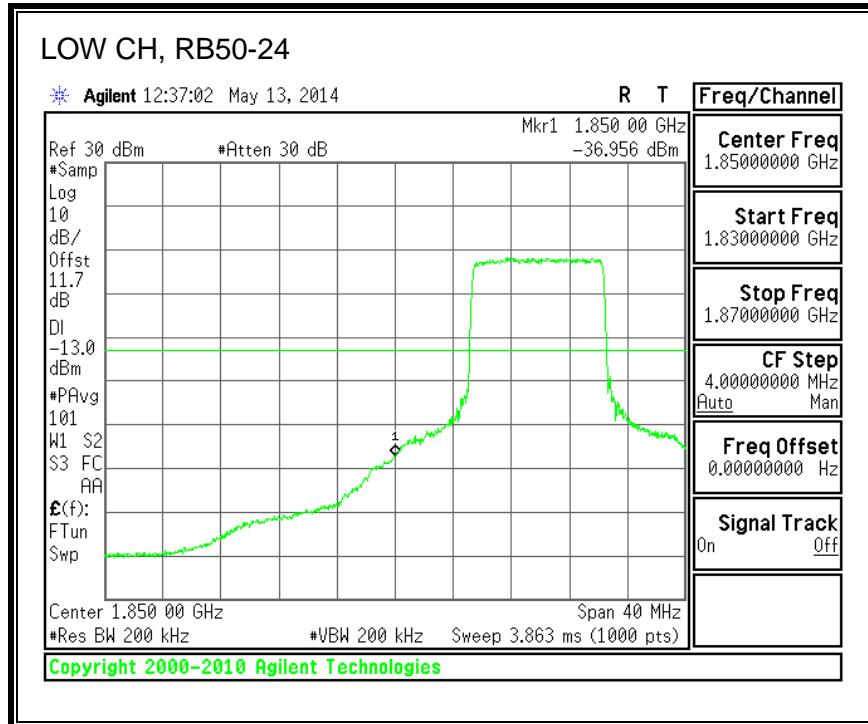


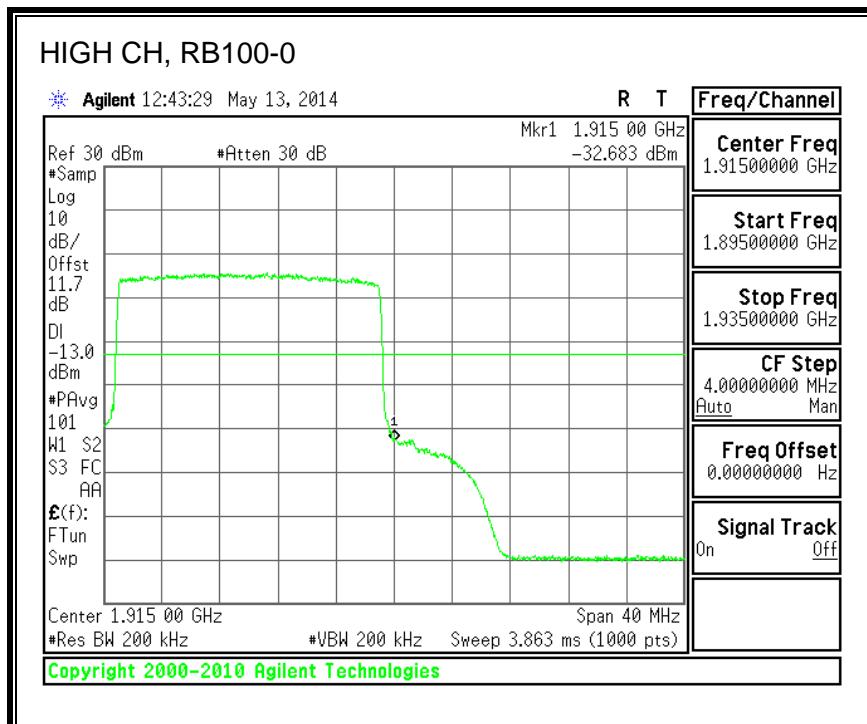
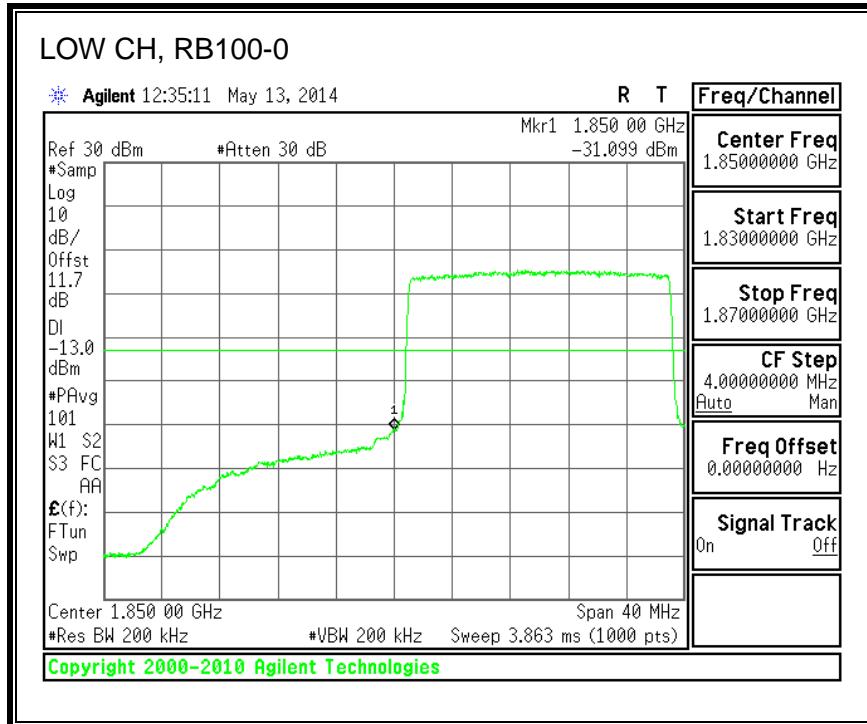


**QPSK, (20.0 MHz BAND WIDTH)**

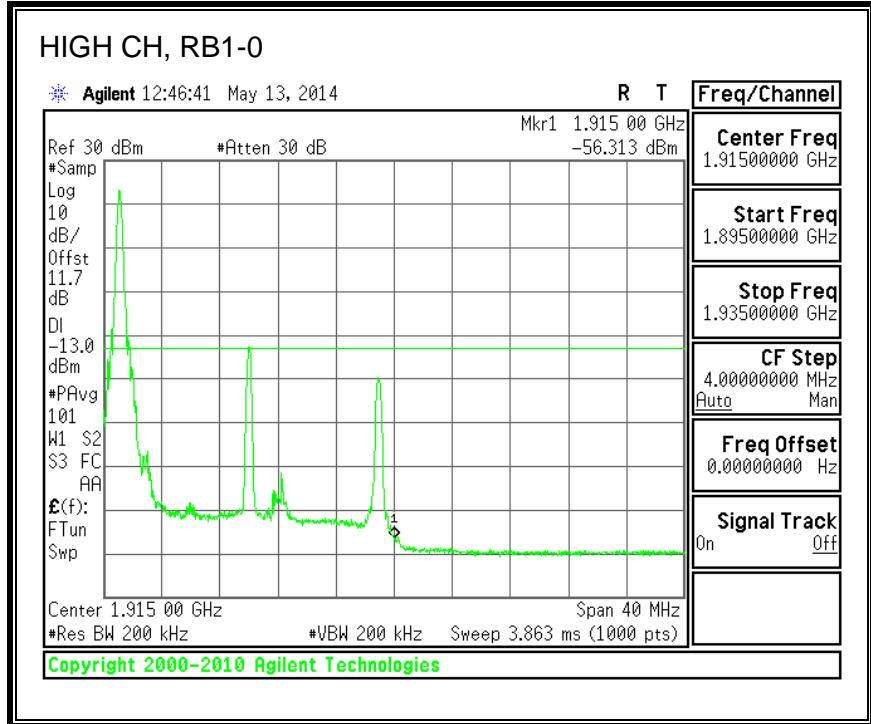
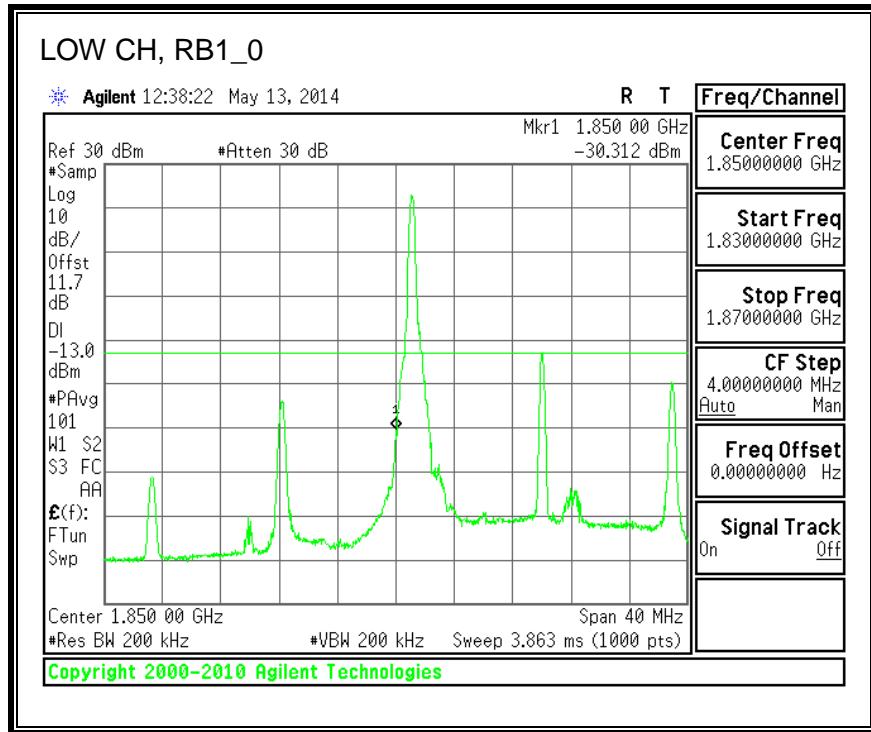


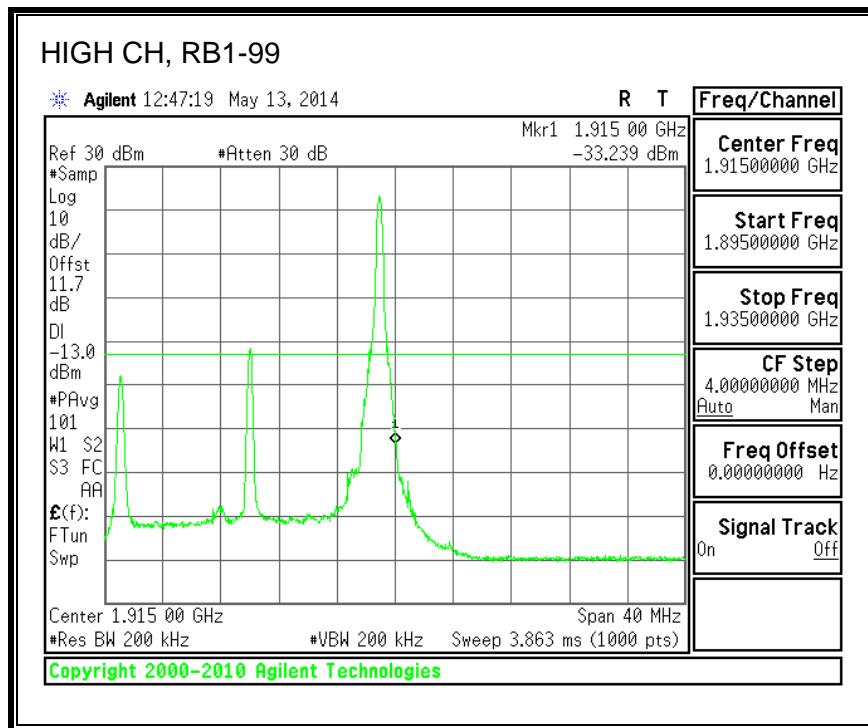
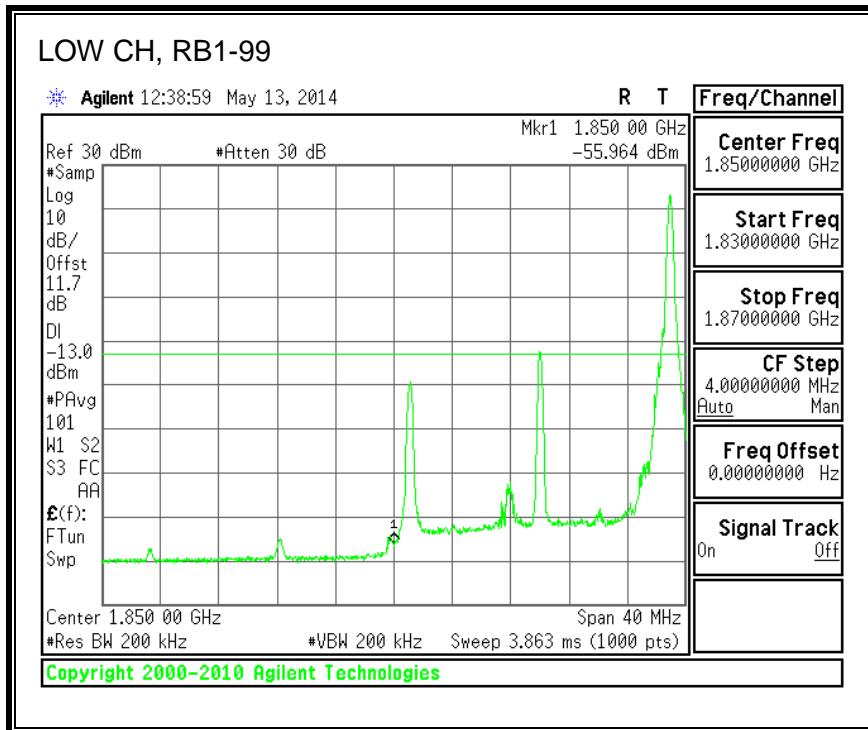


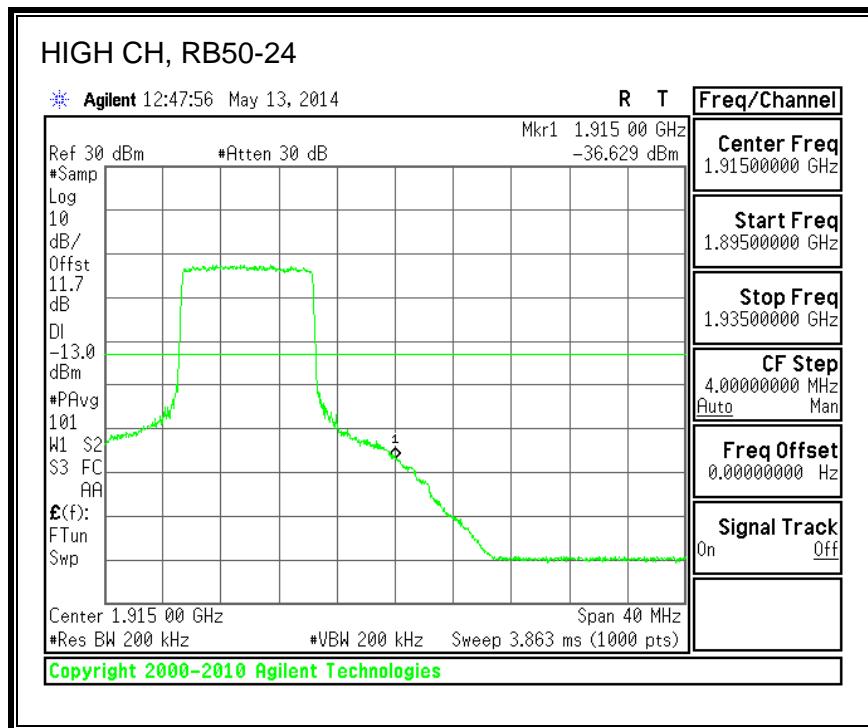
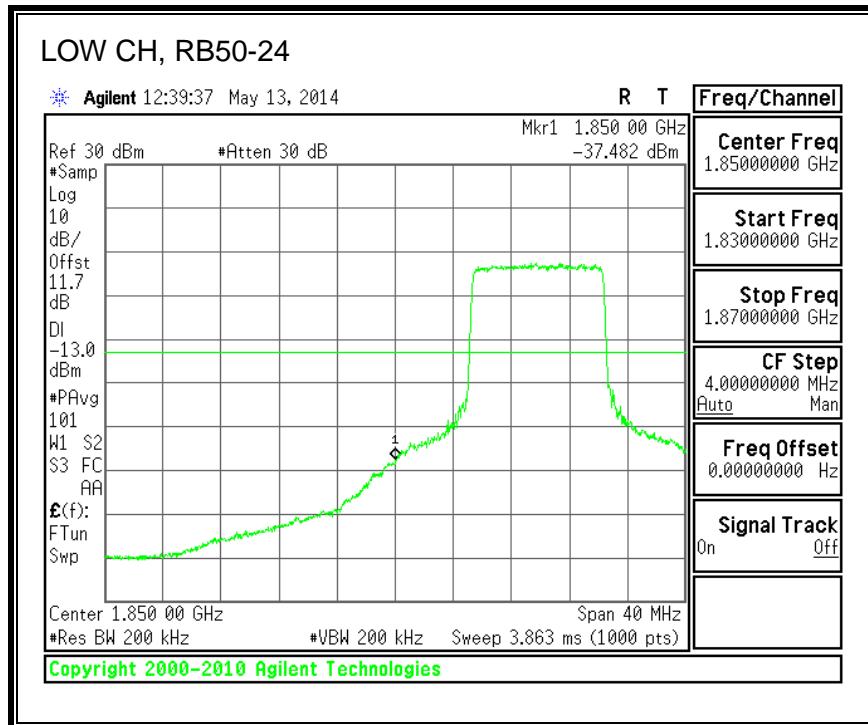


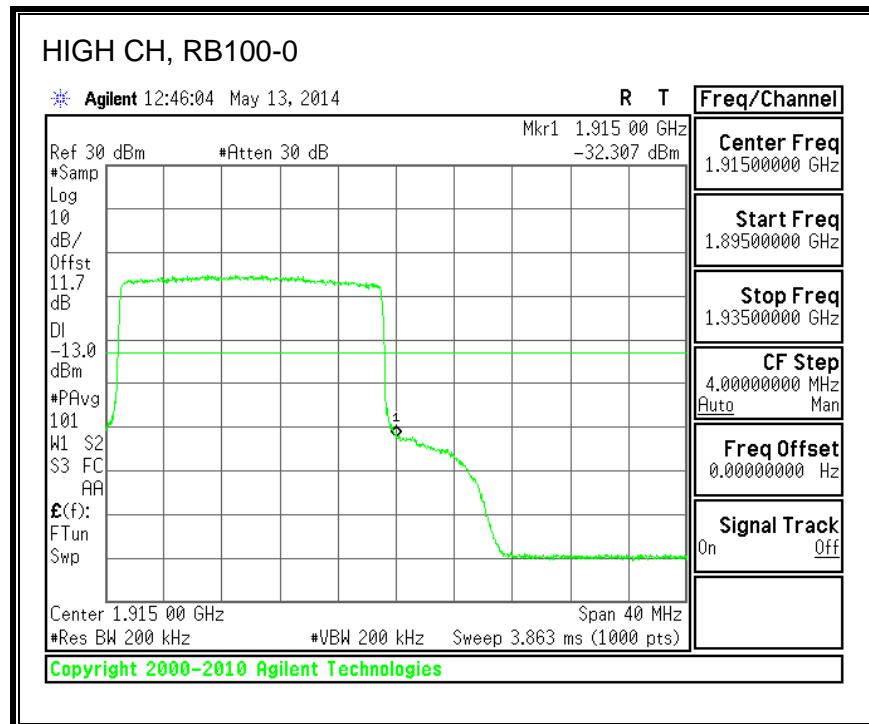
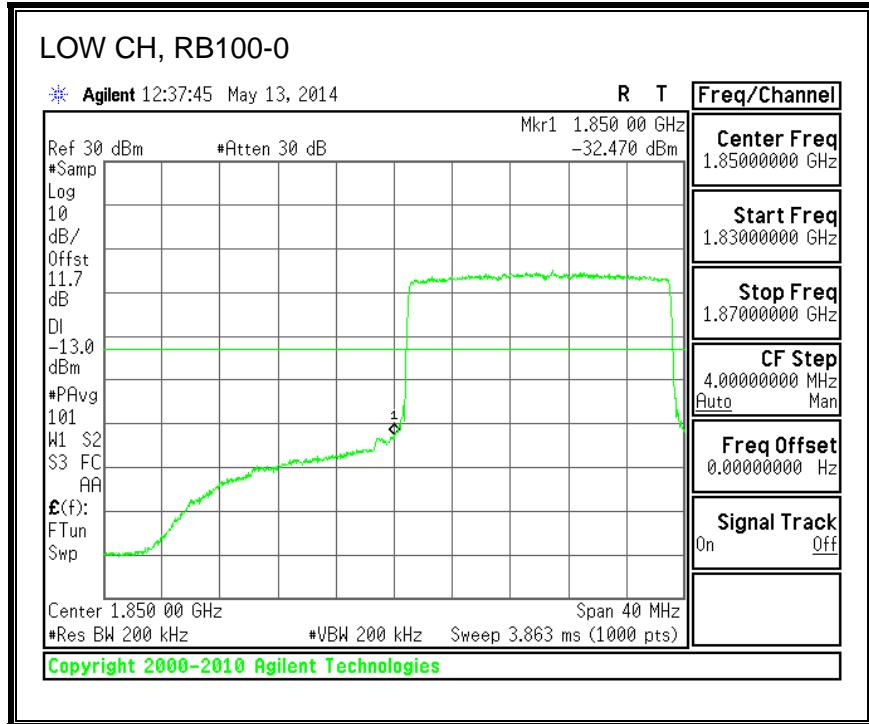


**16QAM, (20.0 MHz BAND WIDTH)**



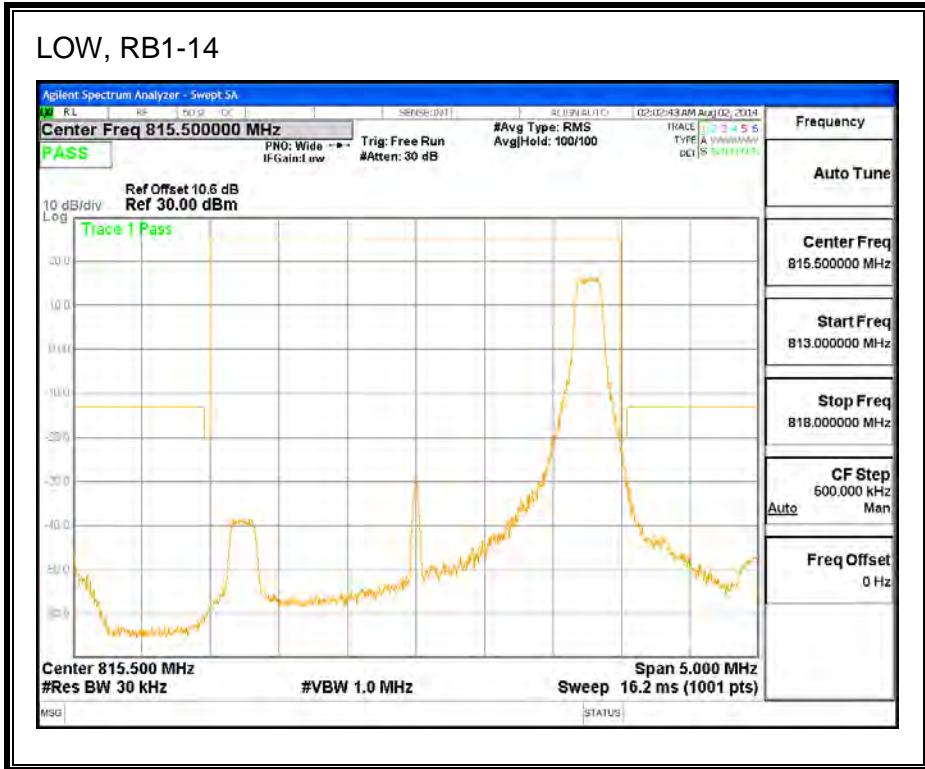
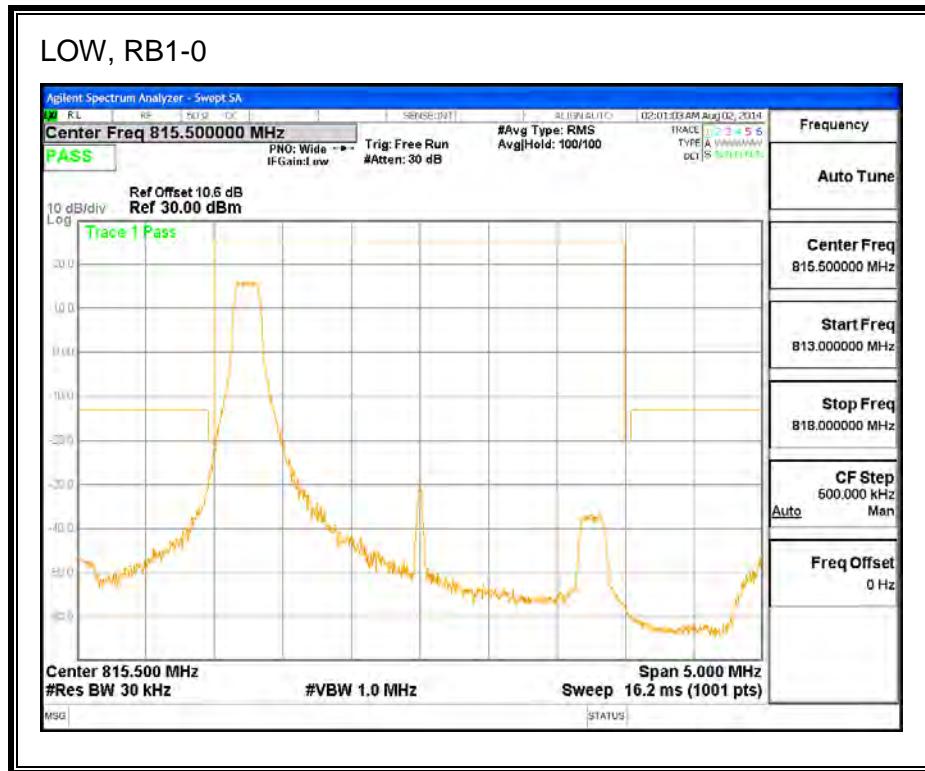




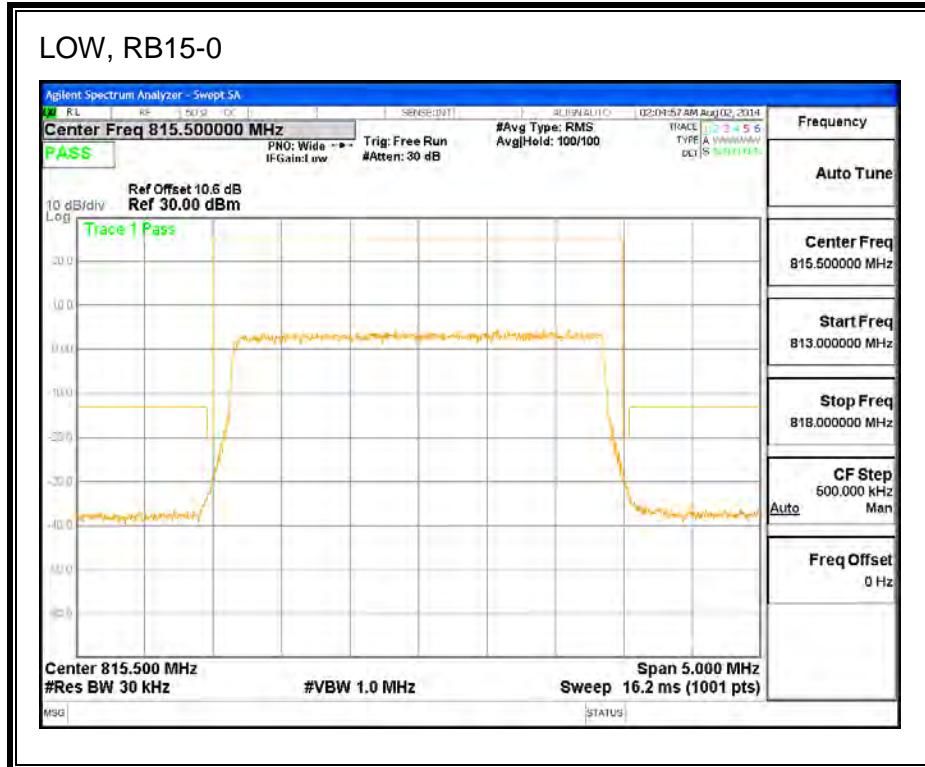


## 8.2.7. LTE BAND 26 EMISSION MASK

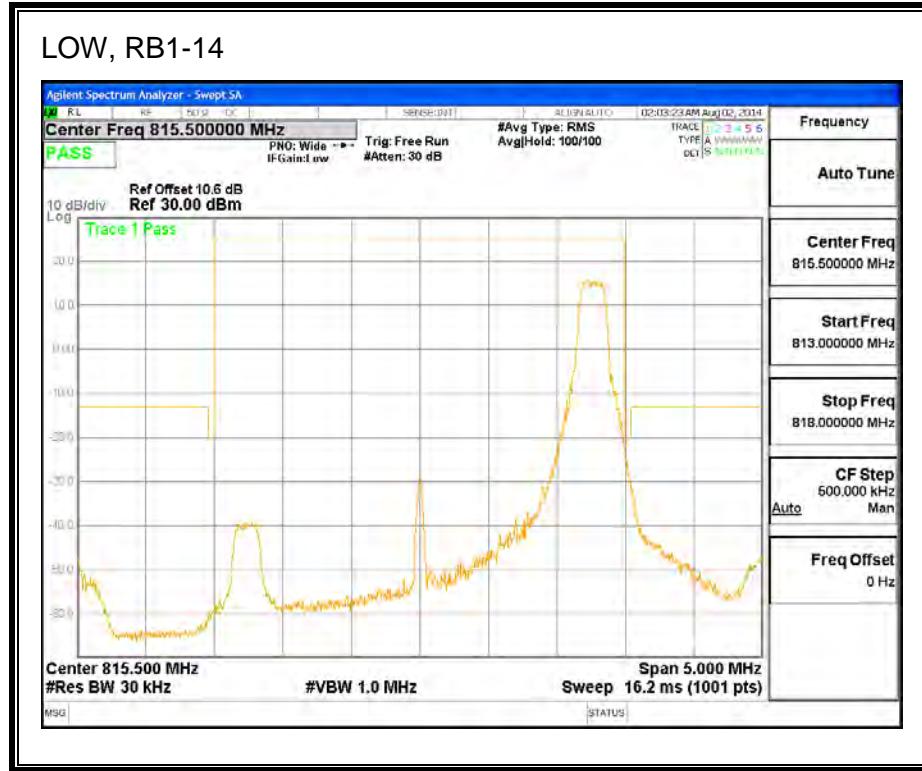
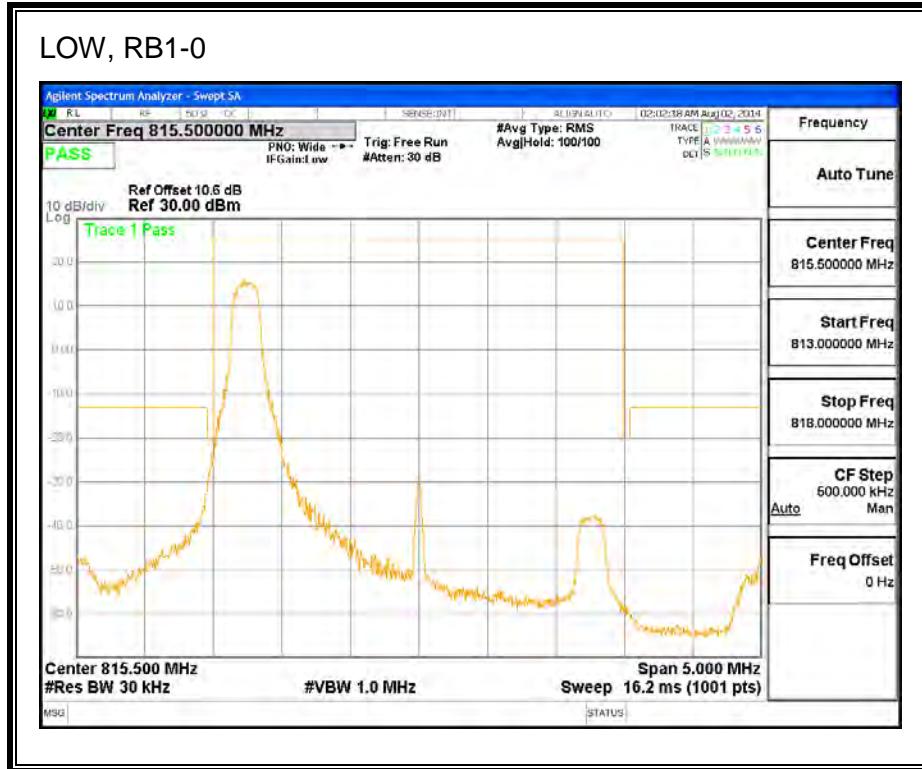
### QPSK, (3.0 MHz BAND WIDTH)

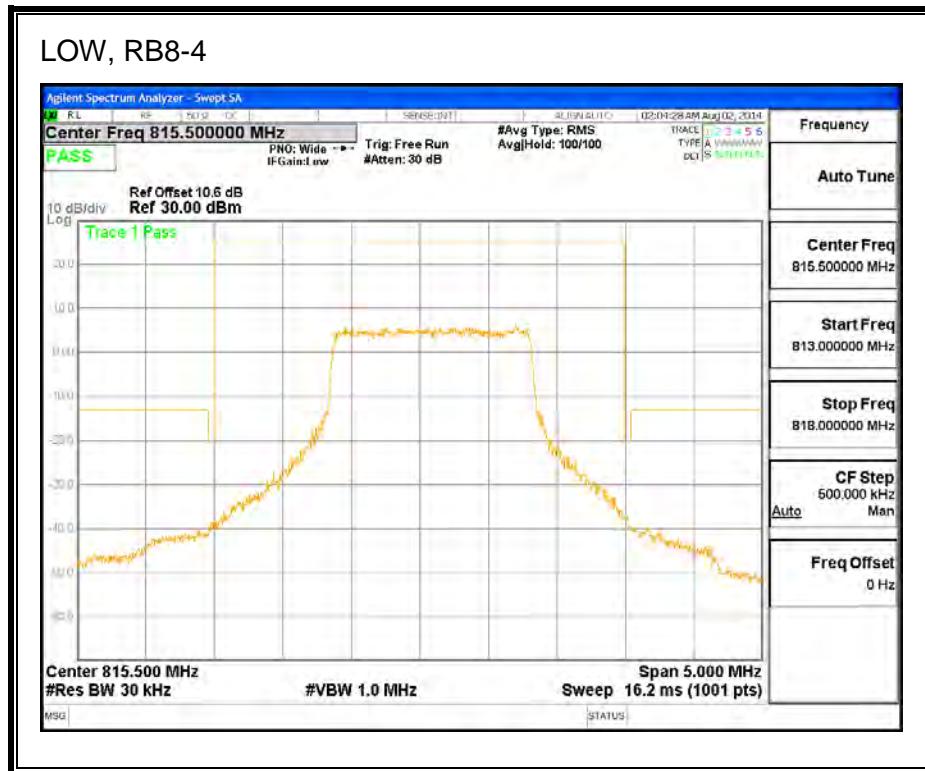




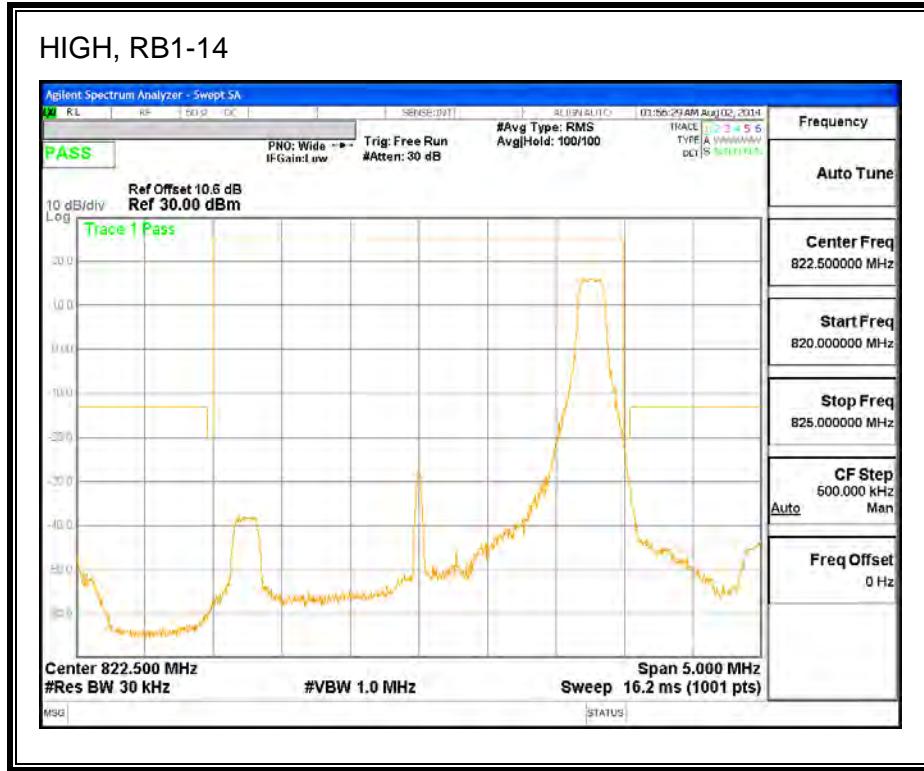
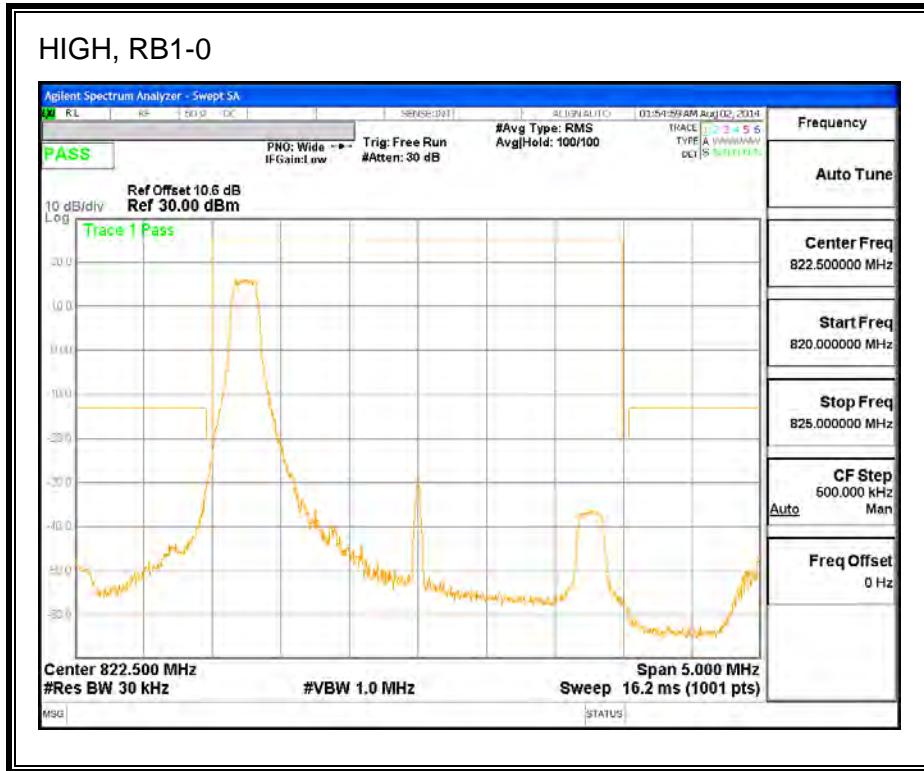


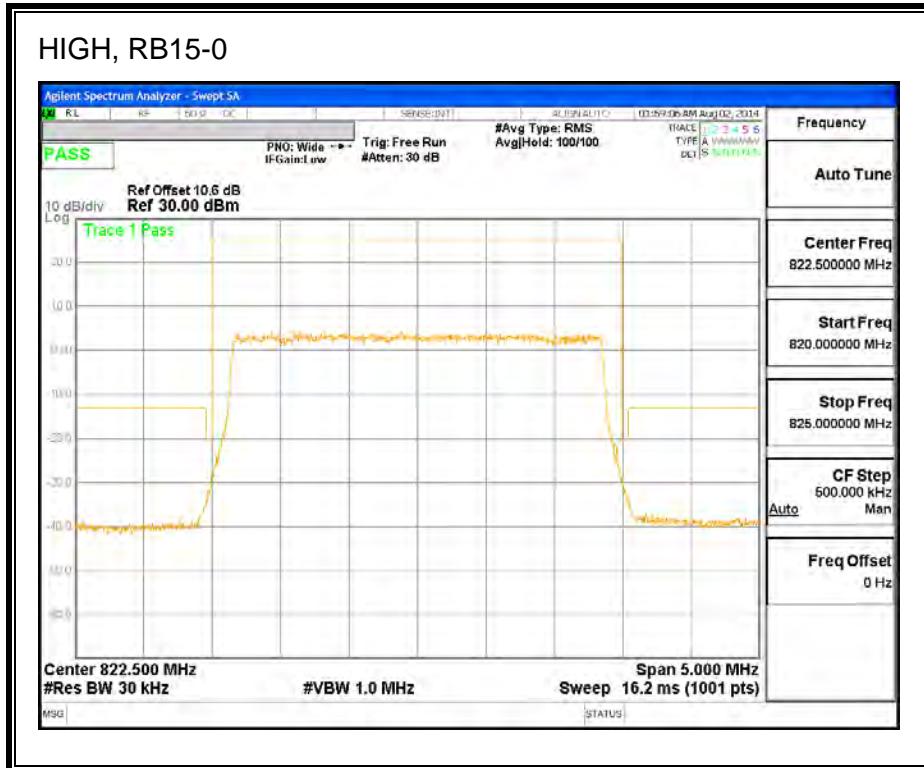
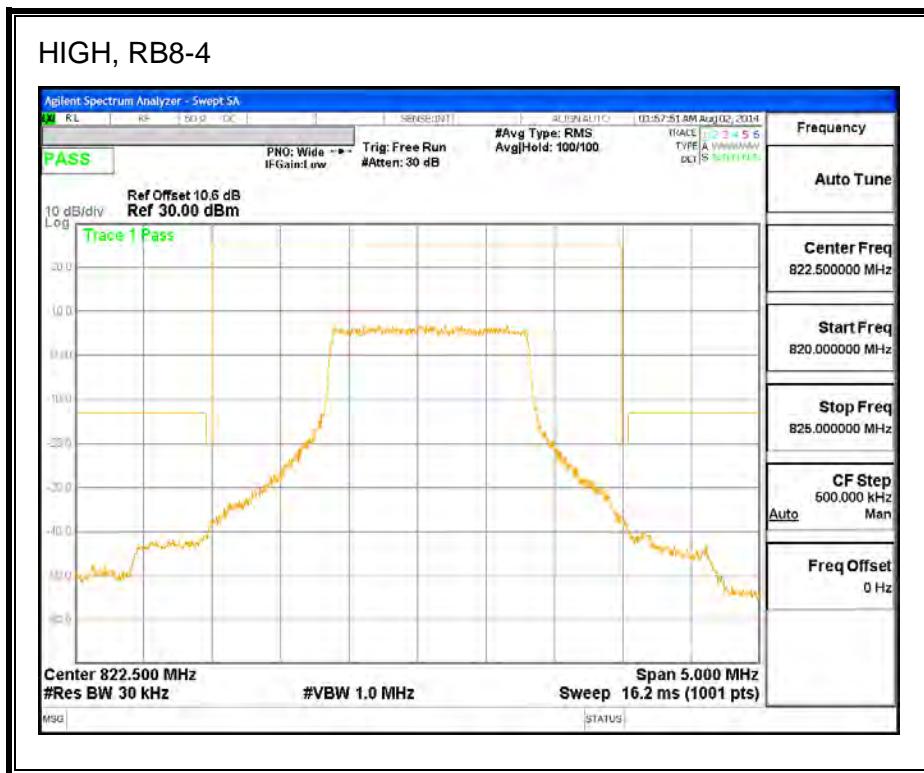
**16QAM, (3.0 MHz BAND WIDTH)**



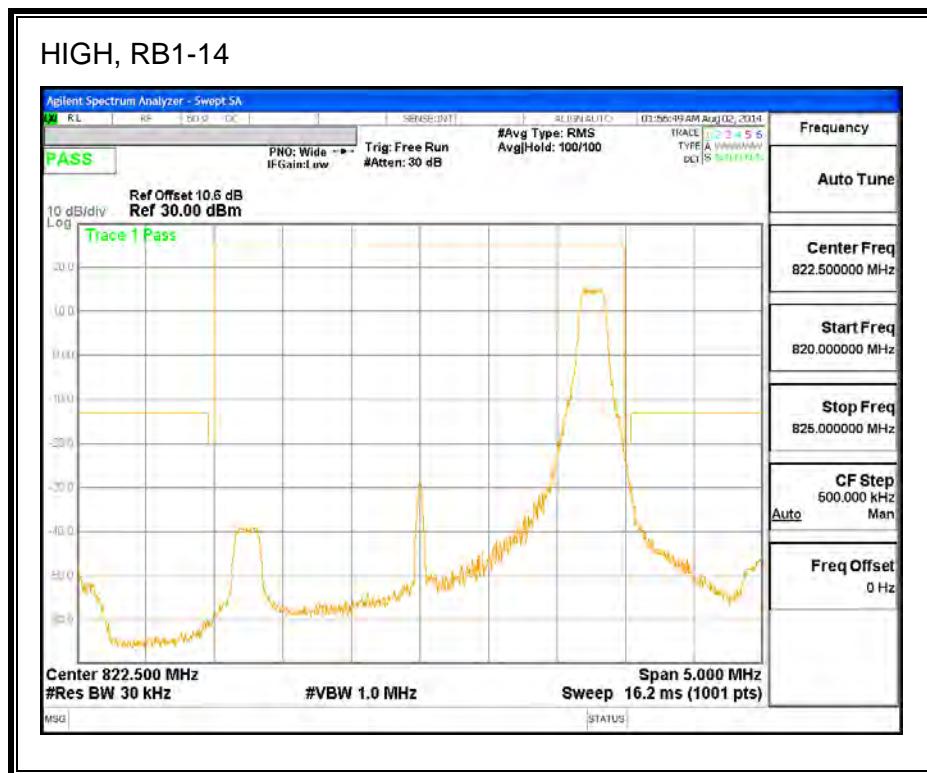
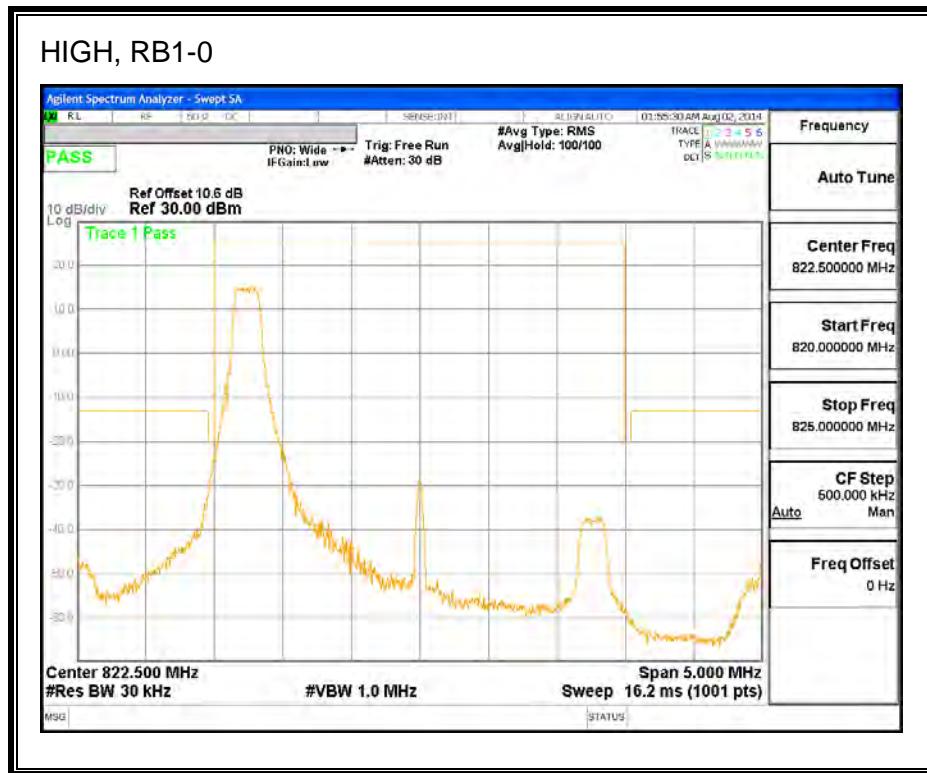


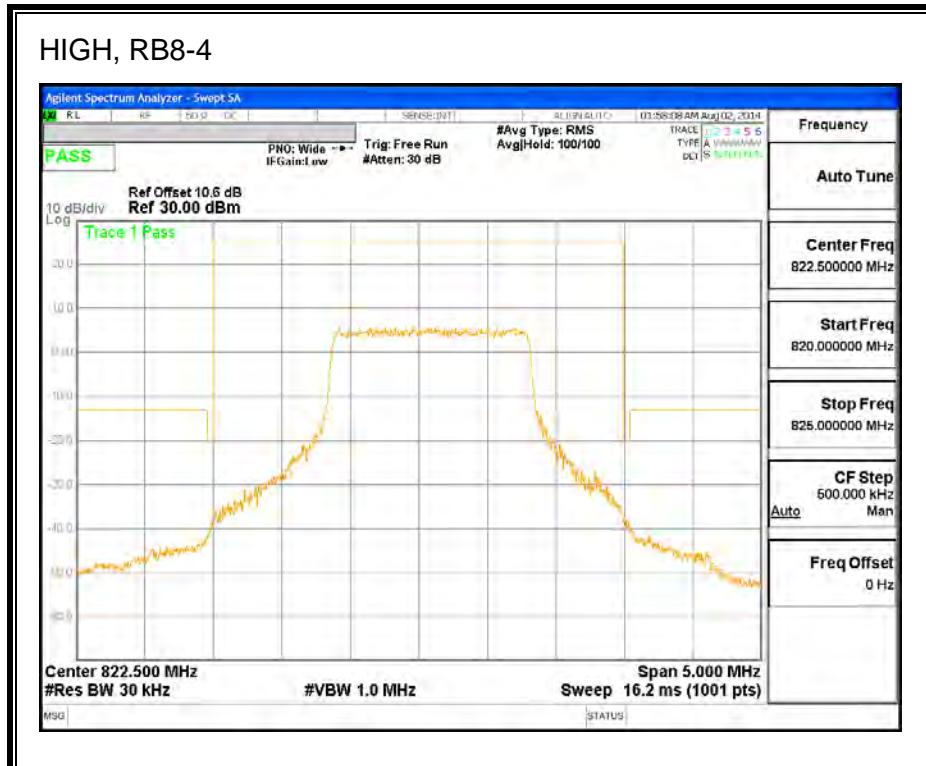
**QPSK, (3.0 MHz BAND WIDTH)**



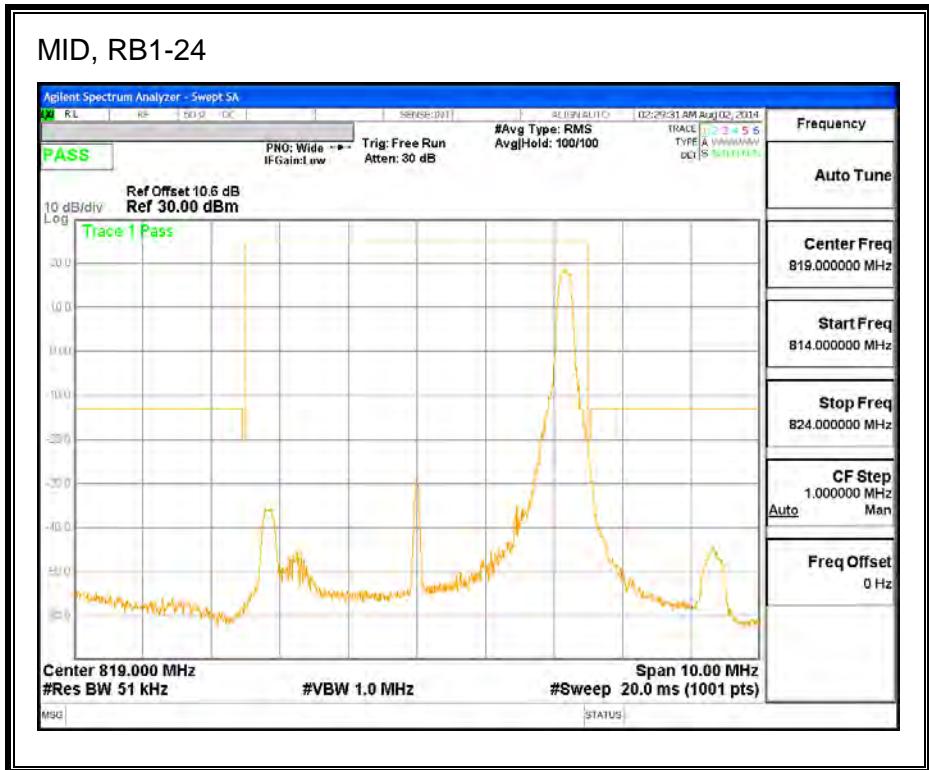
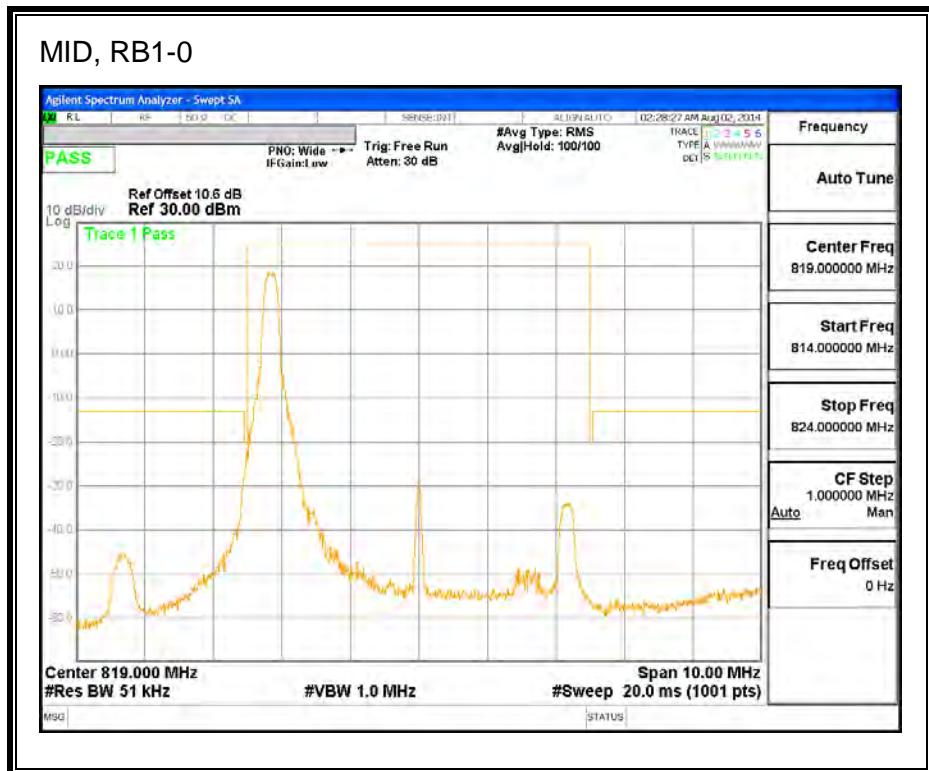


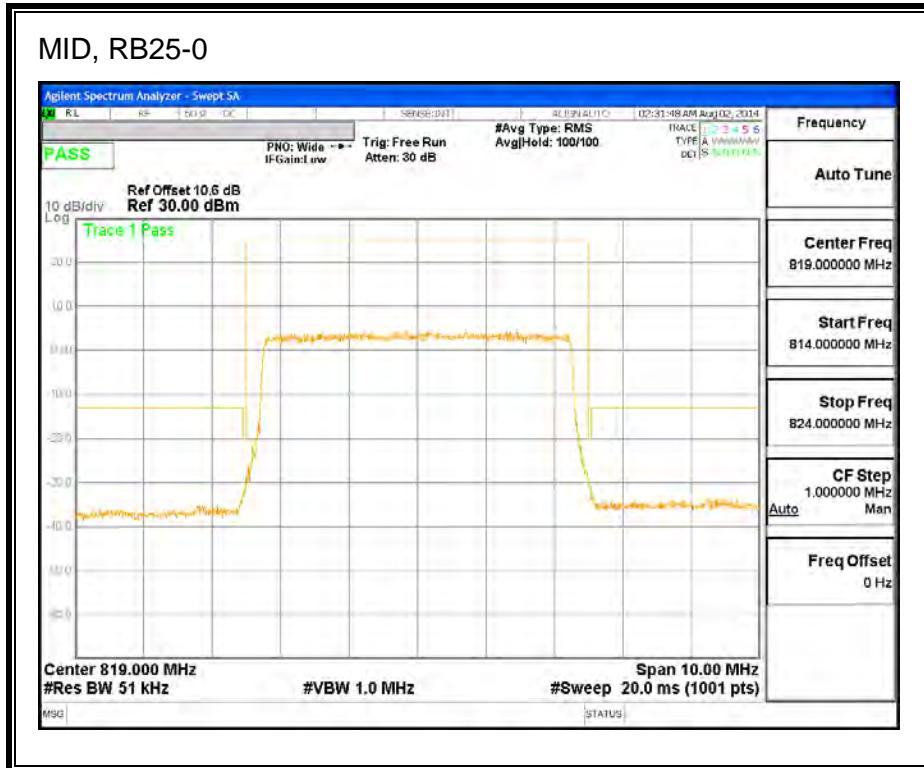
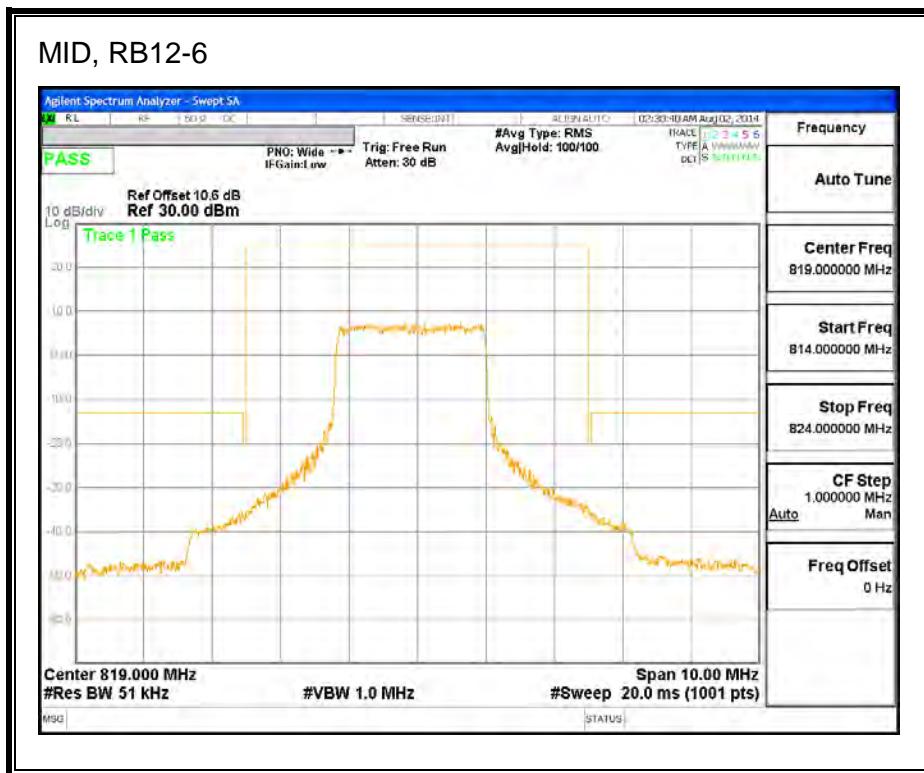
**16QAM, (3.0 MHz BAND WIDTH)**



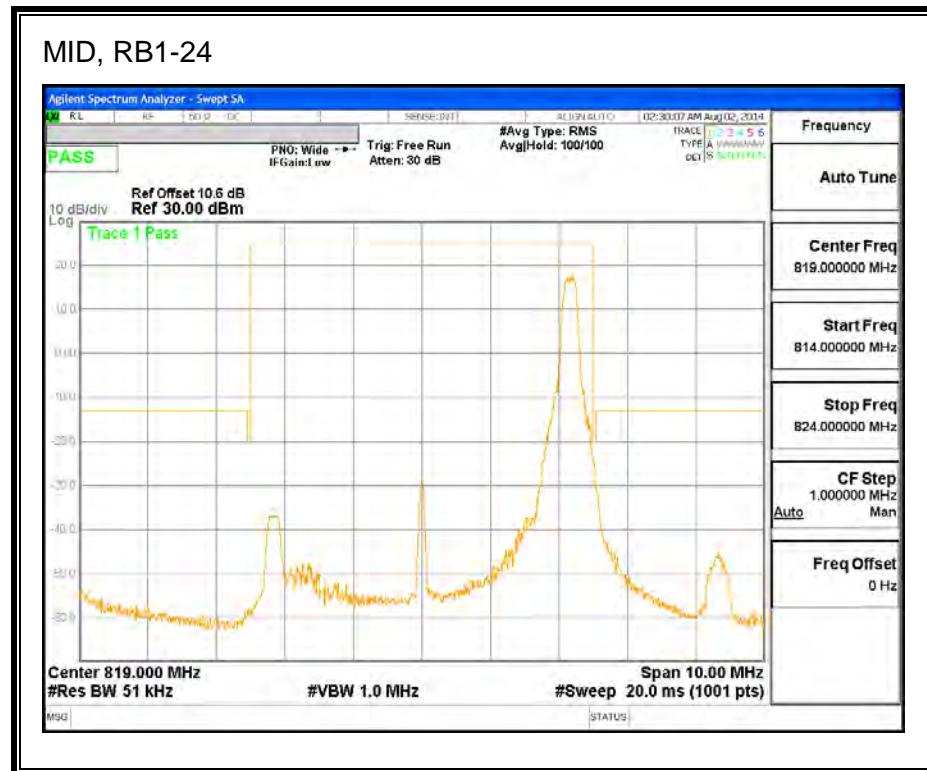
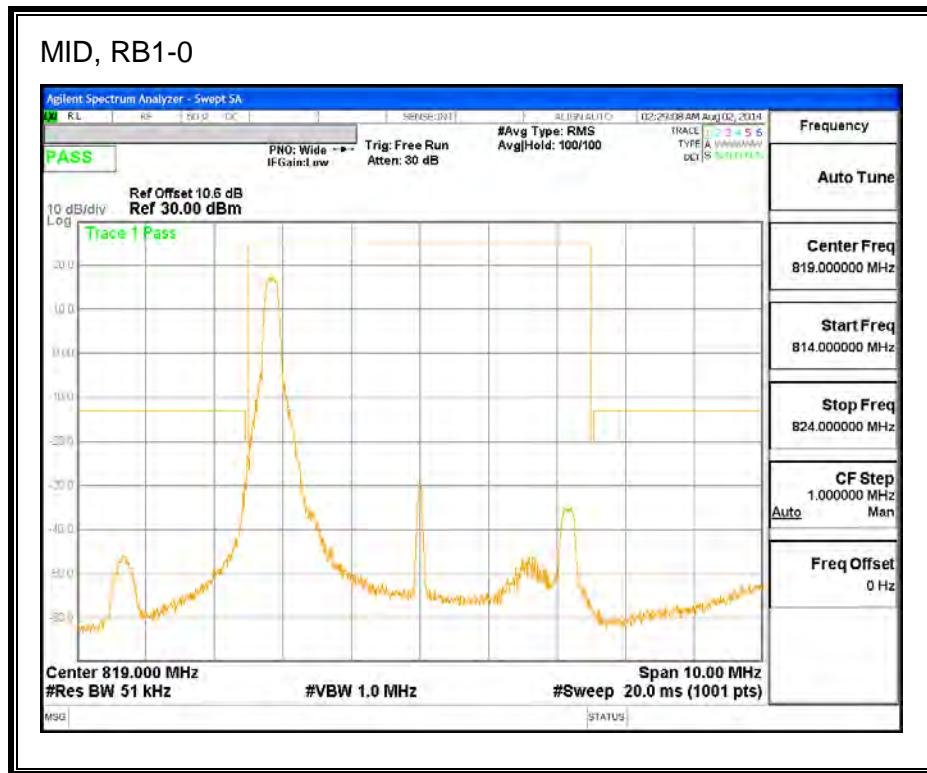


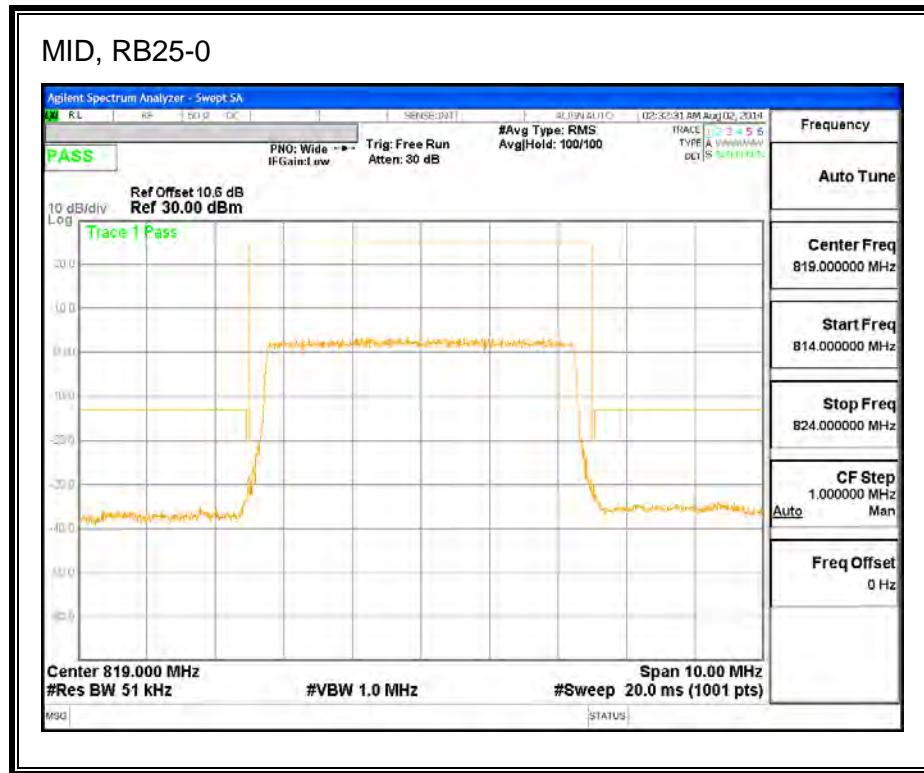
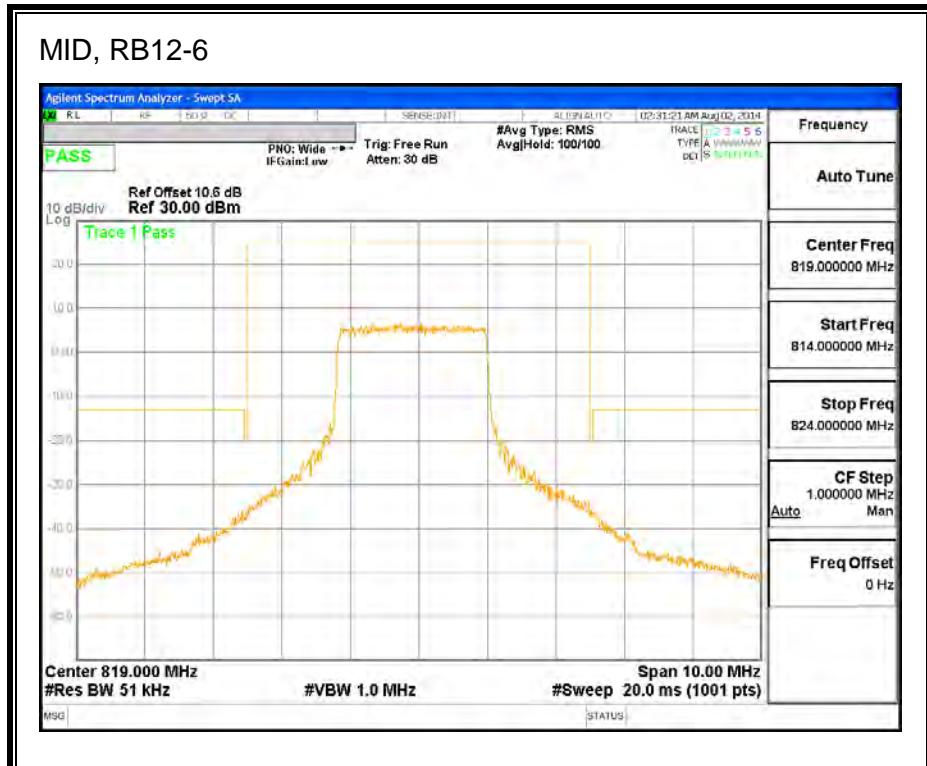
**QPSK, (5.0 MHz BAND WIDTH)**



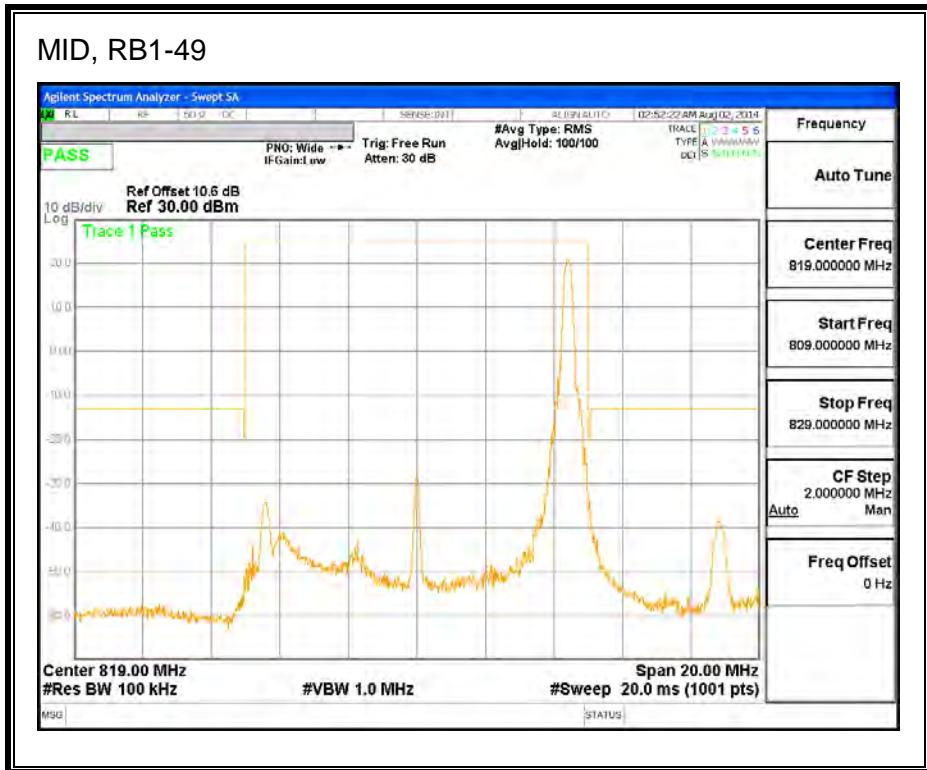
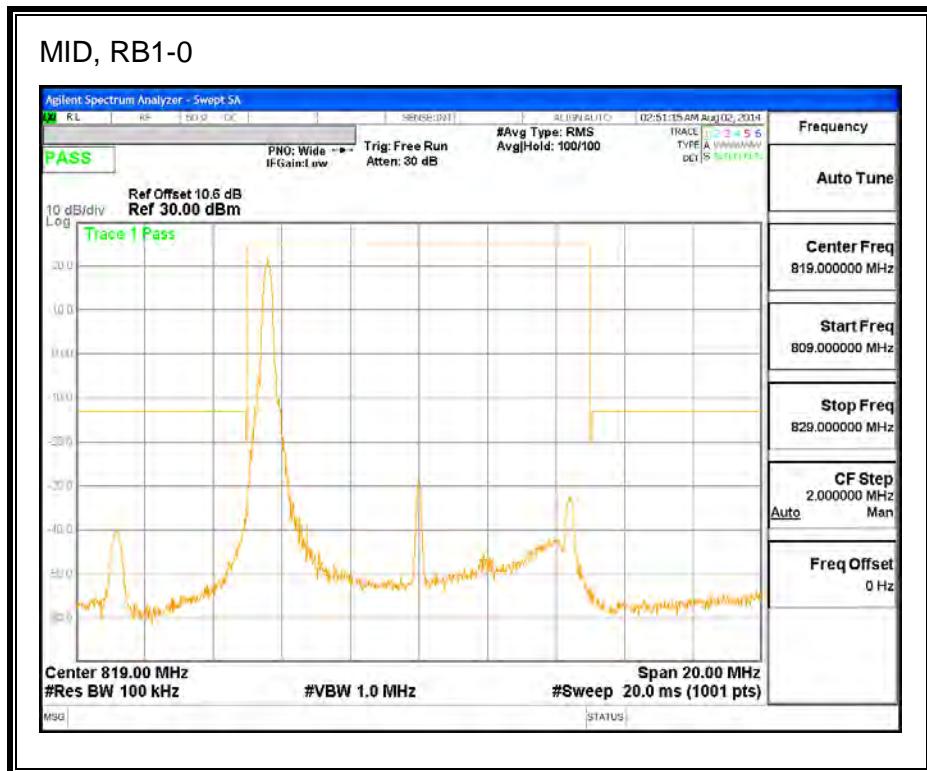


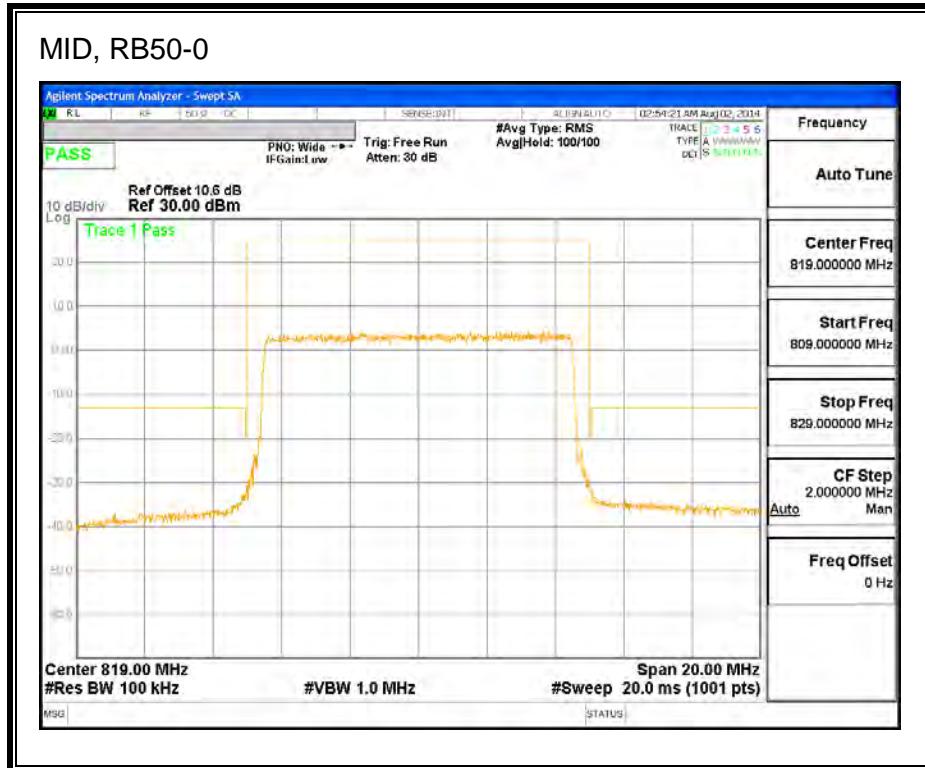
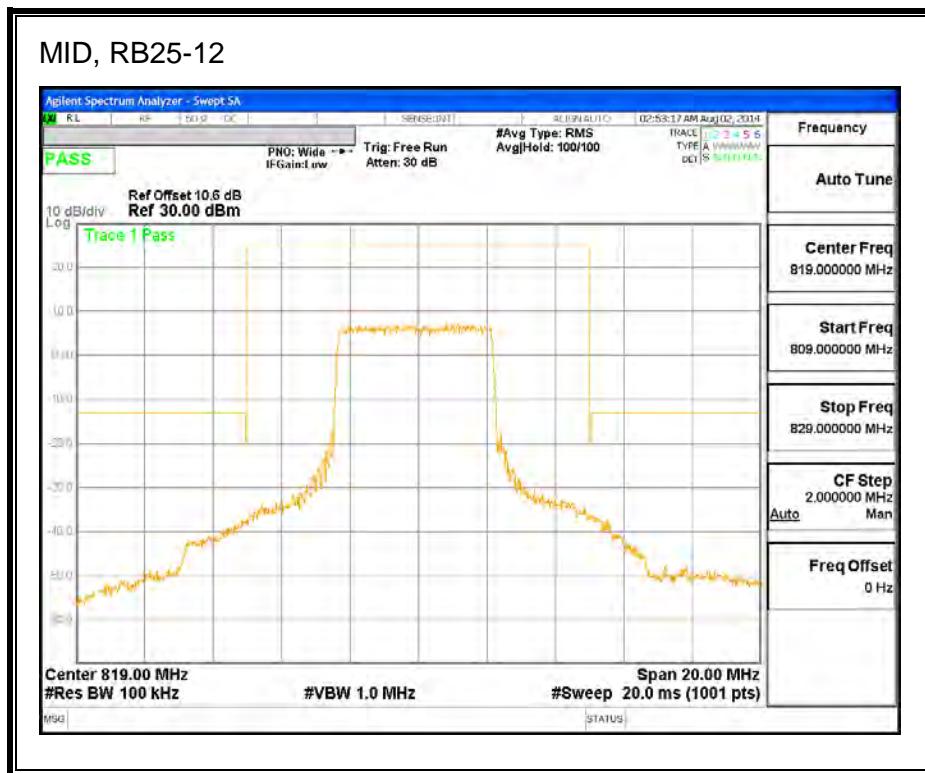
16QAM, (5.0 MHz BAND WIDTH)



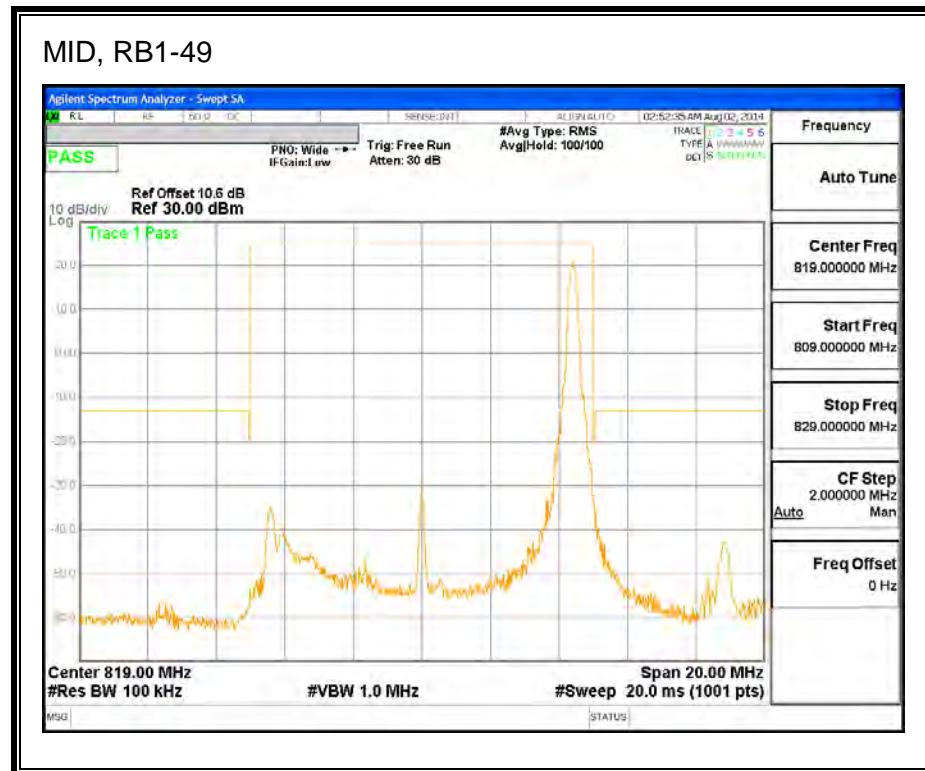
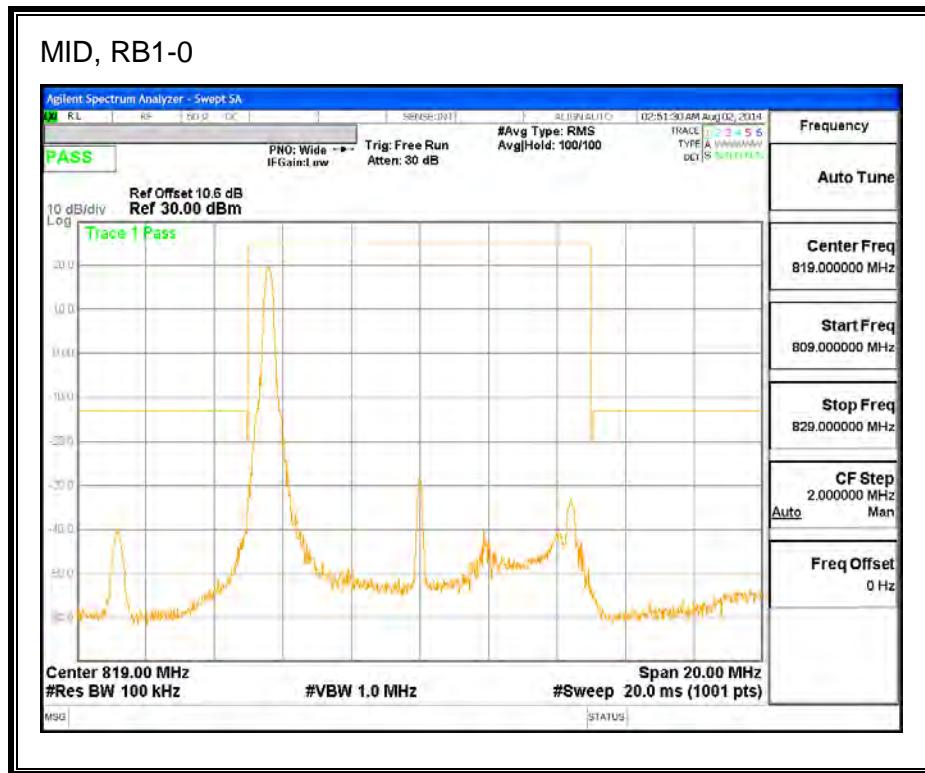


**QPSK, (10.0 MHz BAND WIDTH)**

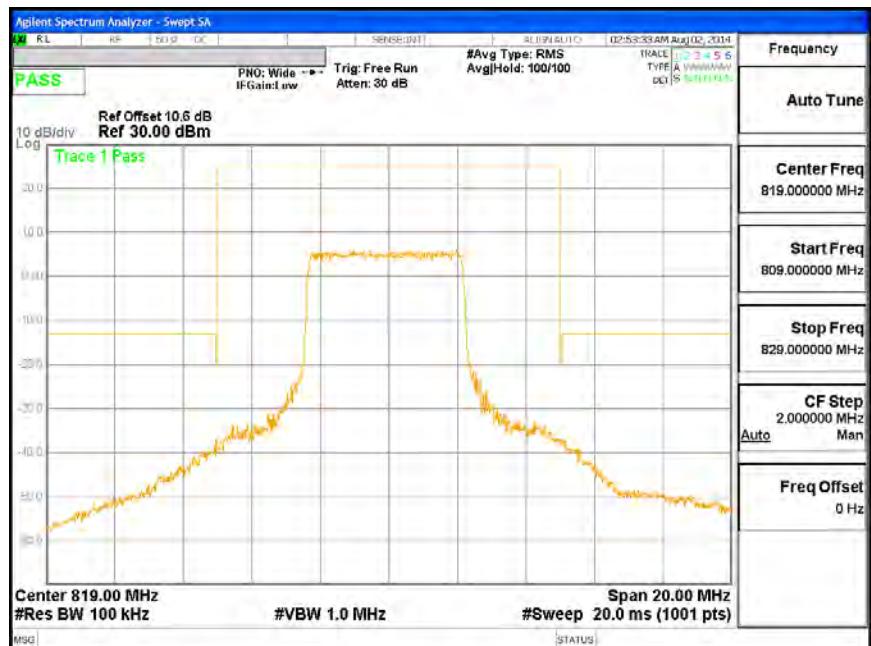




**16QAM, (10.0 MHz BAND WIDTH)**



MID, RB25-12



MID, RB50-0



### 8.3. OUT OF BAND EMISSIONS

#### RULE PART(S)

FCC: §2.1051, §22.901, §22.917, §24.238 and §27.53

#### LIMITS

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log (P)$  dB.

#### TEST PROCEDURE

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

For each out of band emissions measurement:

- Set display line at -13 dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.

#### TEST PROCEDURE FOR RSS-199

The transmitter output was connected to a CMW500 Test Set and configured to operate at maximum power. The band edge emissions were measured at the required operating frequencies in each band on the Spectrum Analyzer.

For each band edge measurement:

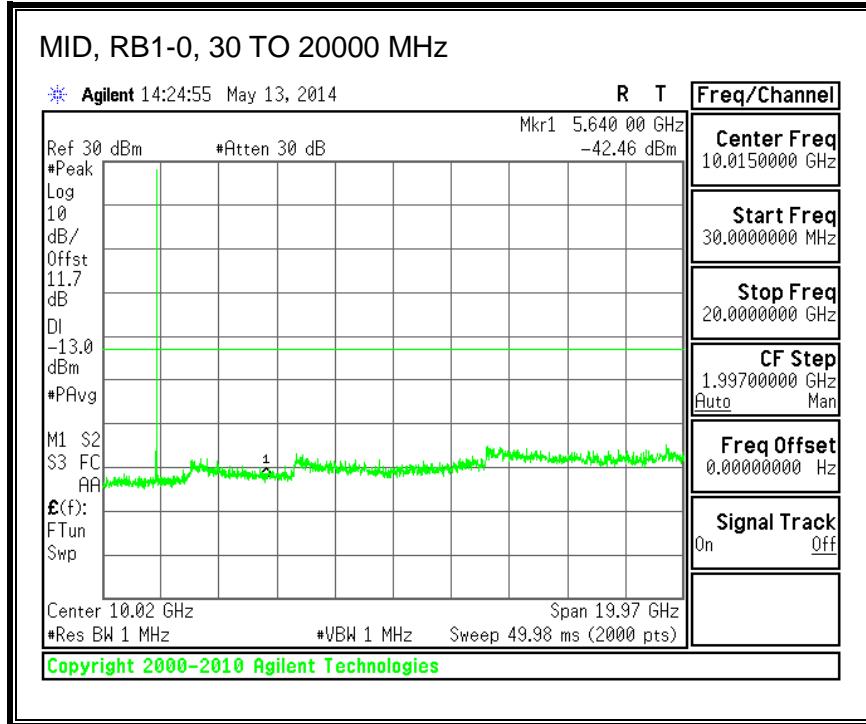
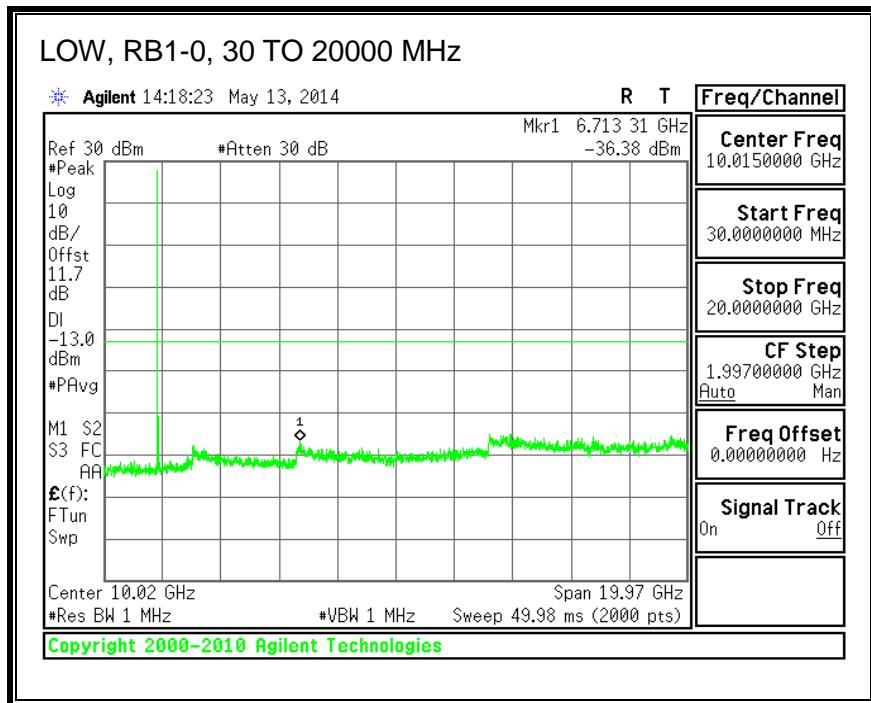
- Set the spectrum analyzer span to include the block edge frequency.
- Set a marker to point the corresponding band edge frequency in each test case.
- Set display line at -13dBm and -25dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
- 

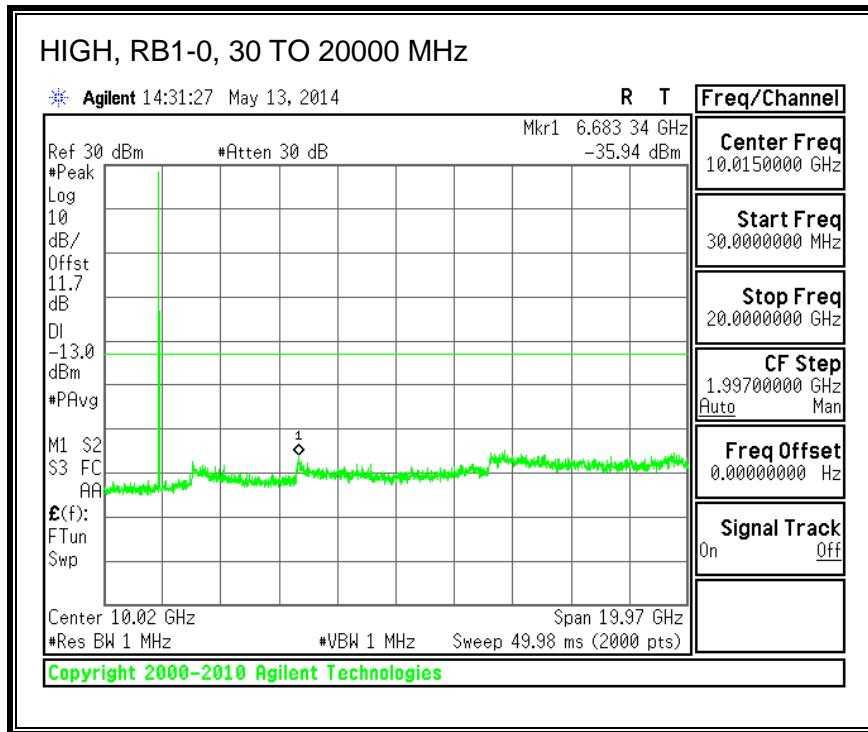
#### MODES TESTED

- Band 2
- Band 4
- Band 5
- Band 12
- Band 13
- Band 17
- Band 25
- Band 26

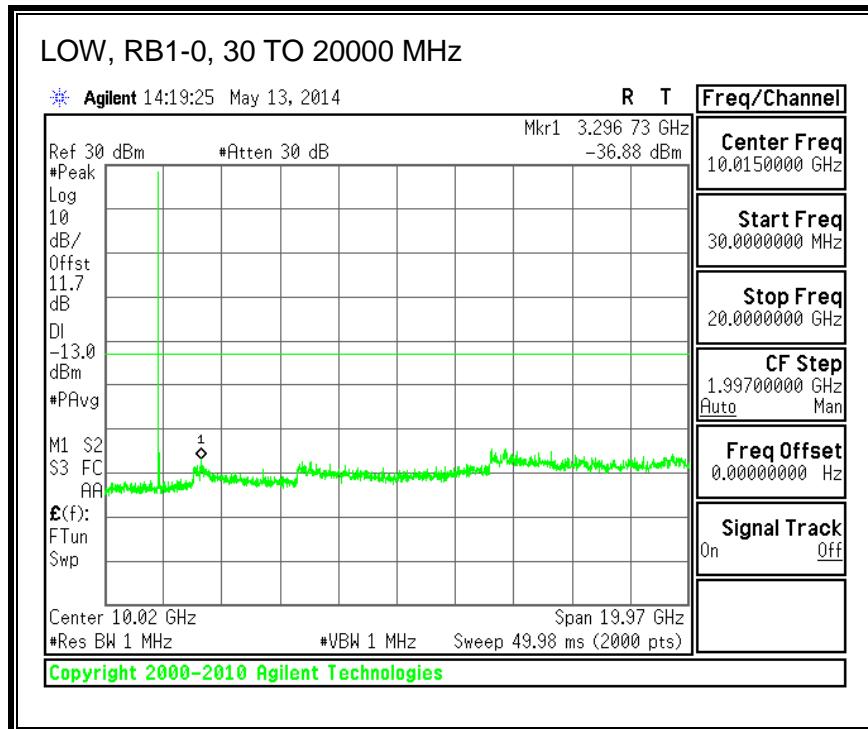
### 8.3.1. LTE BAND 2

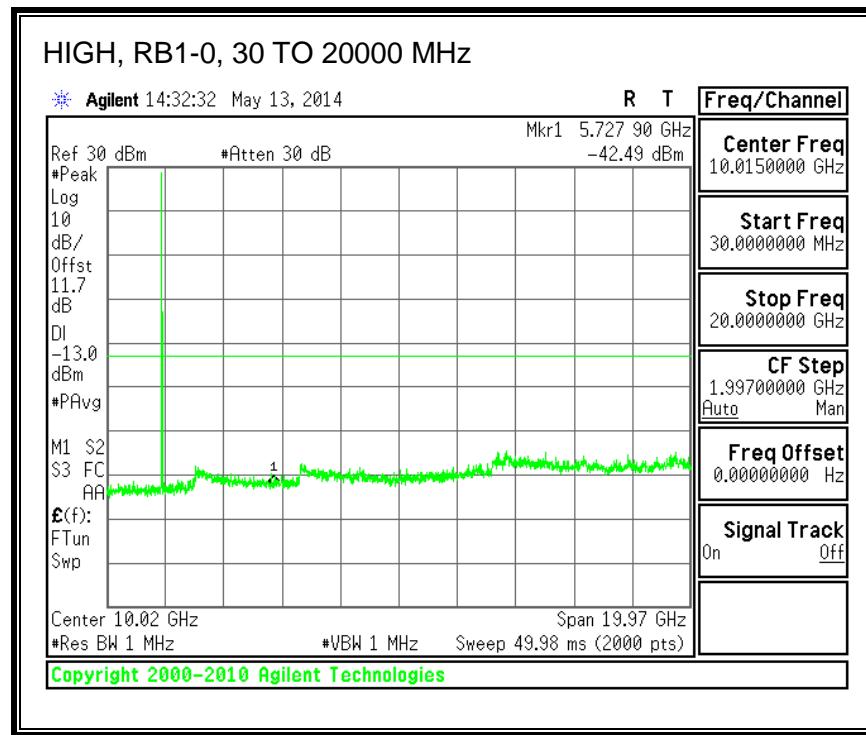
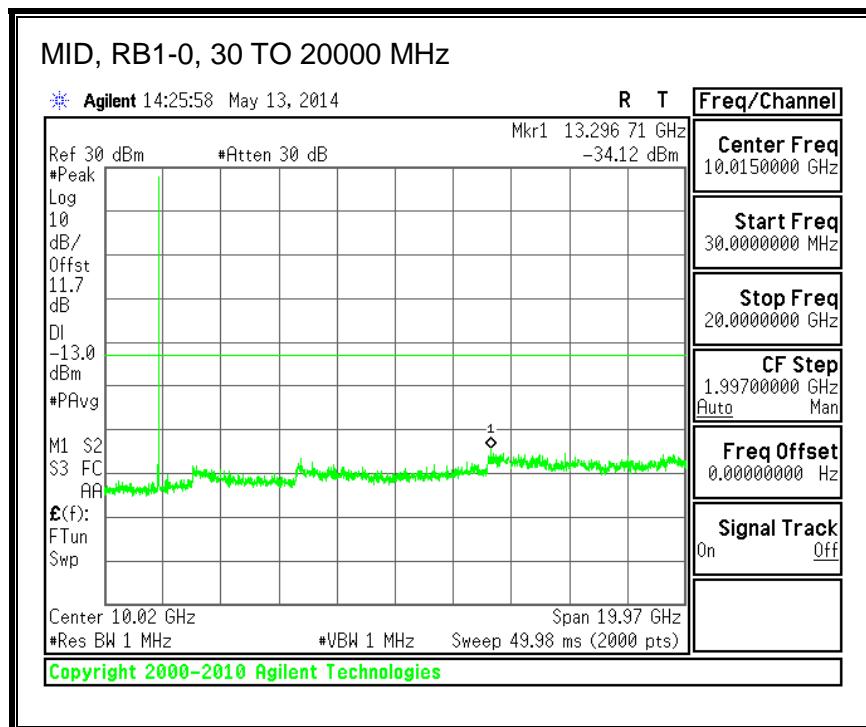
#### QPSK, (1.4 MHz BAND WIDTH)



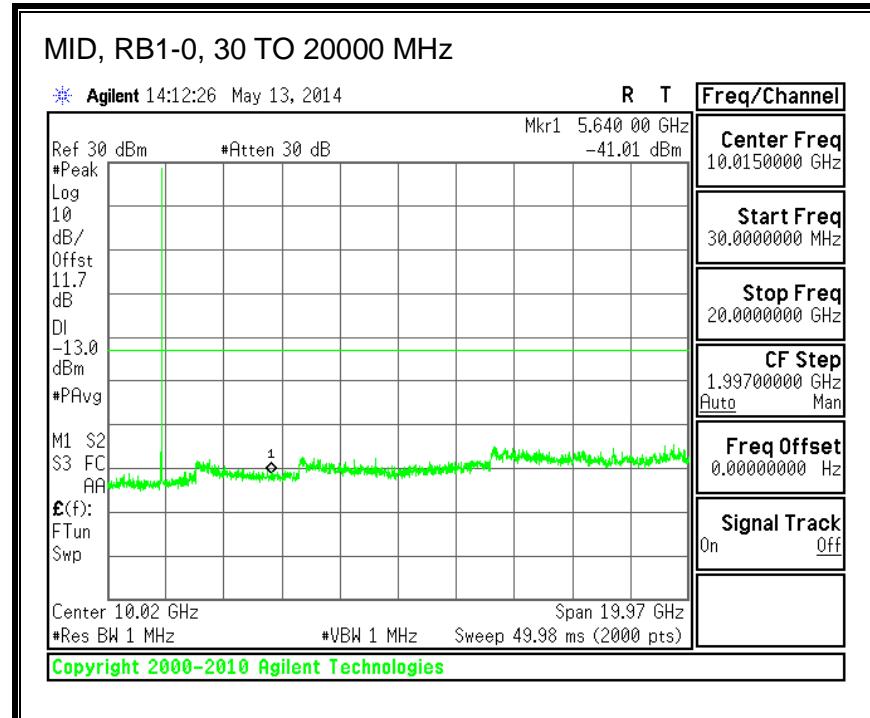
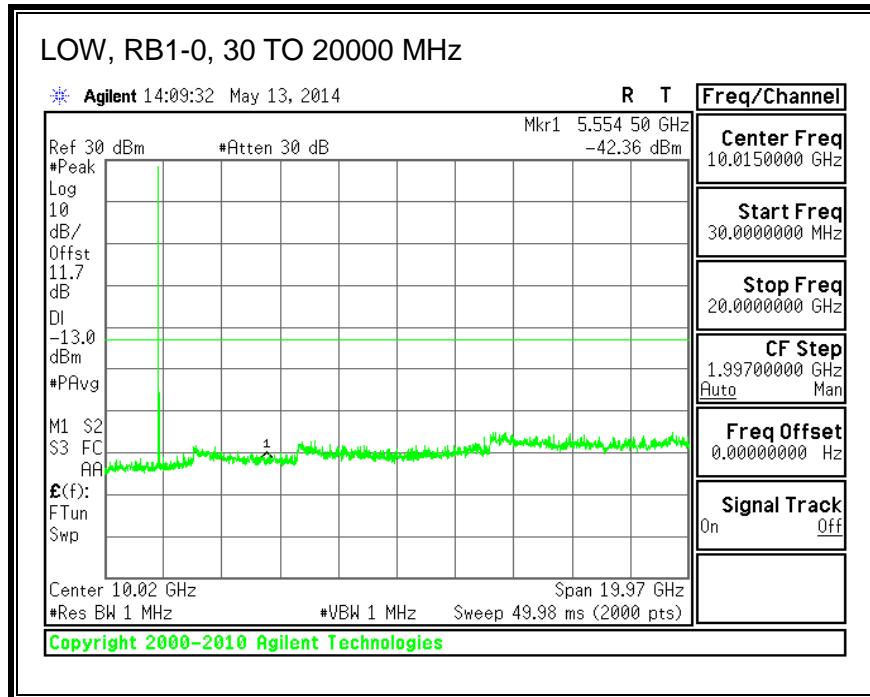


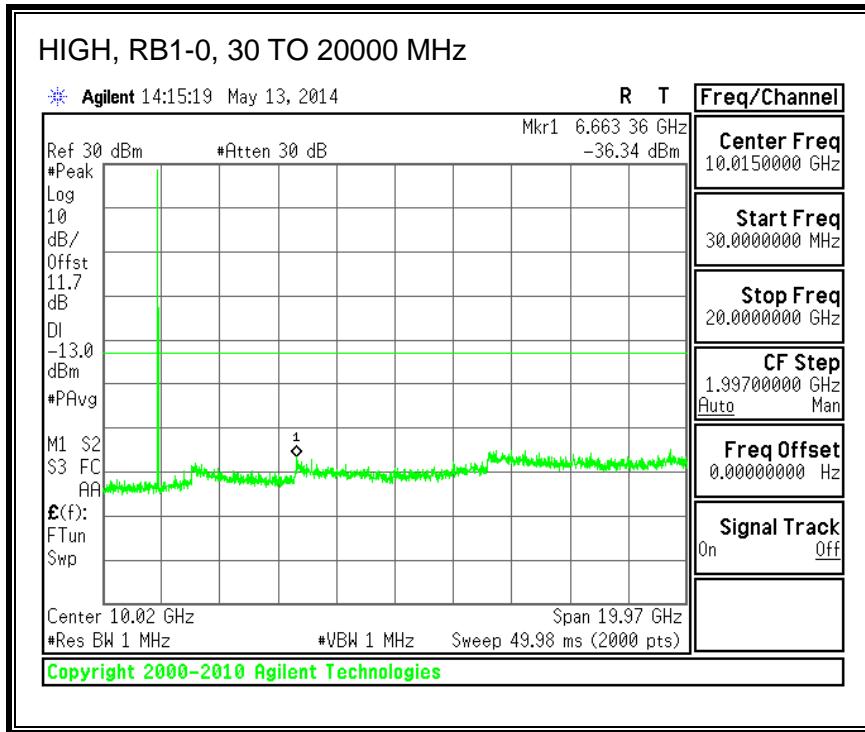
**16QAM, (1.4 MHz BAND WIDTH)**



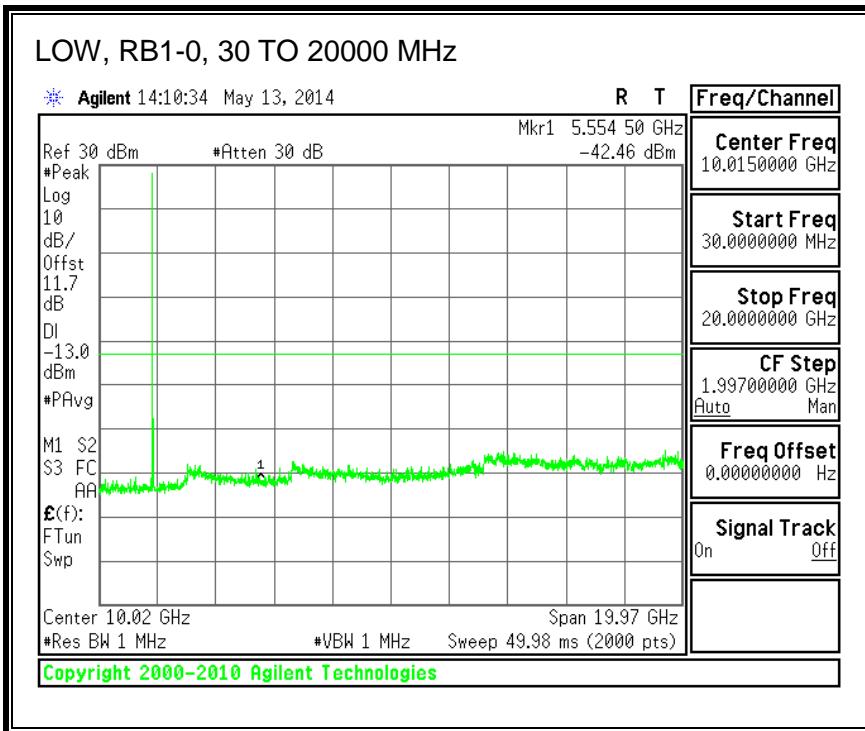


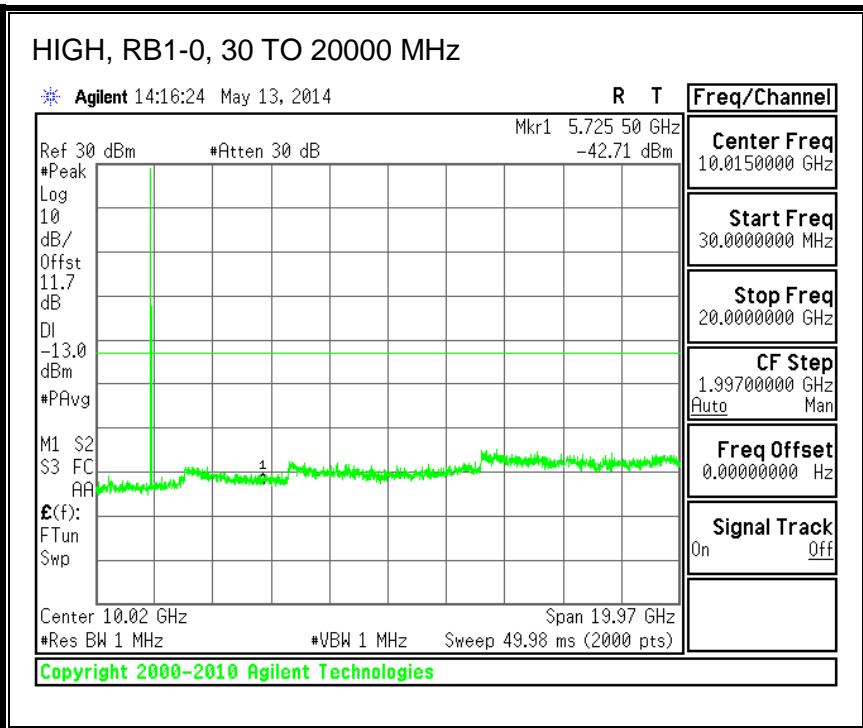
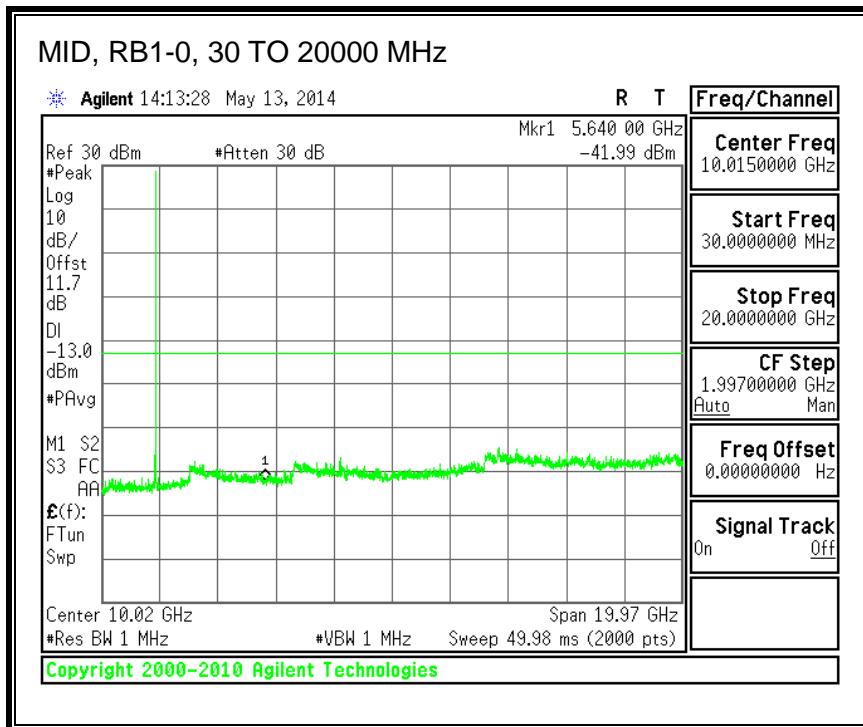
**QPSK, (3.0 MHz BAND WIDTH)**



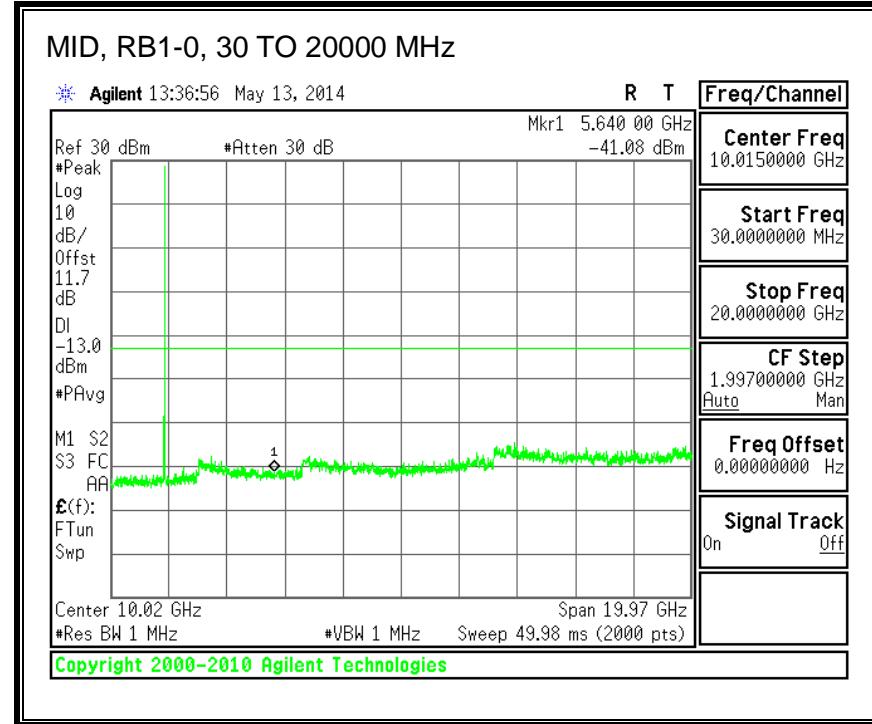
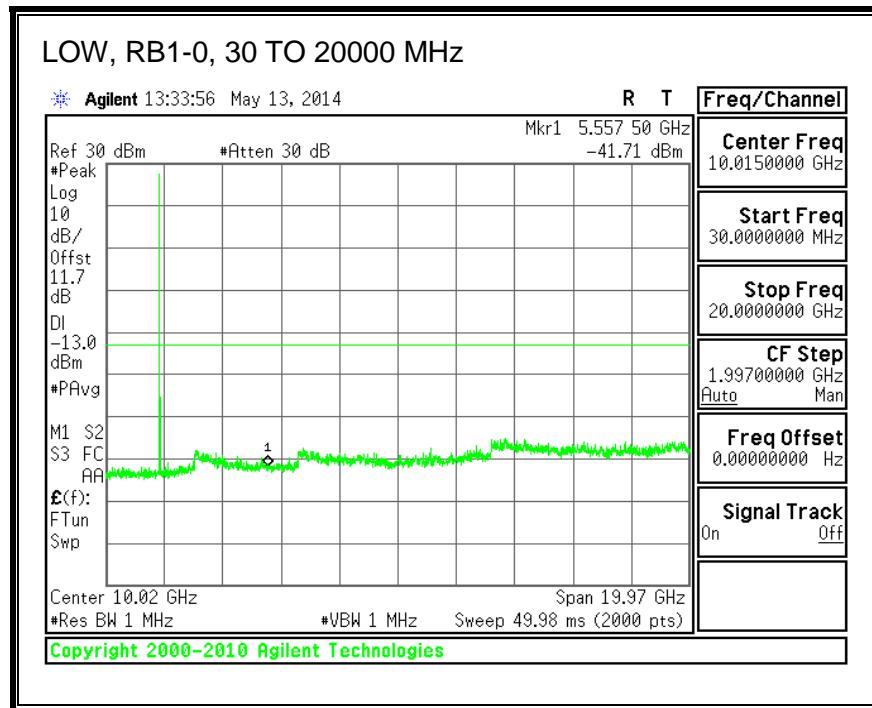


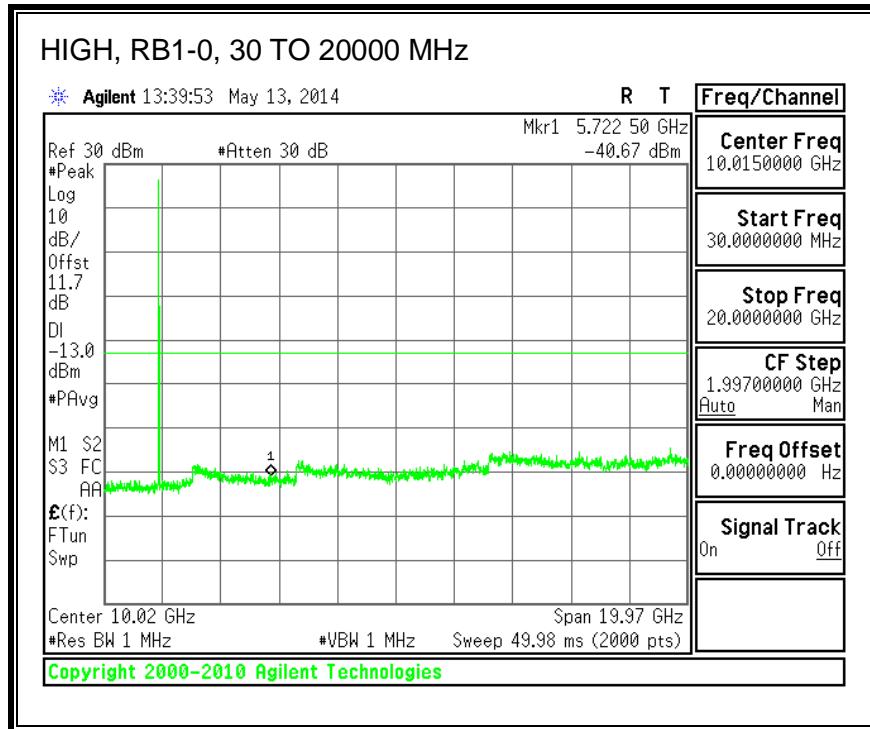
**16QAM, (3.0 MHz BAND WIDTH)**



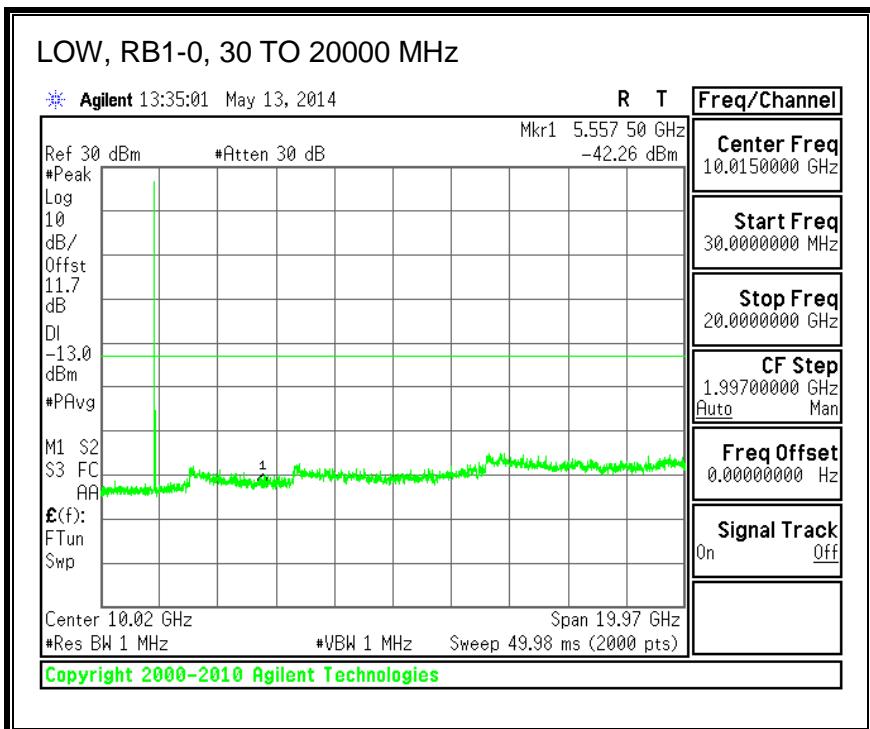


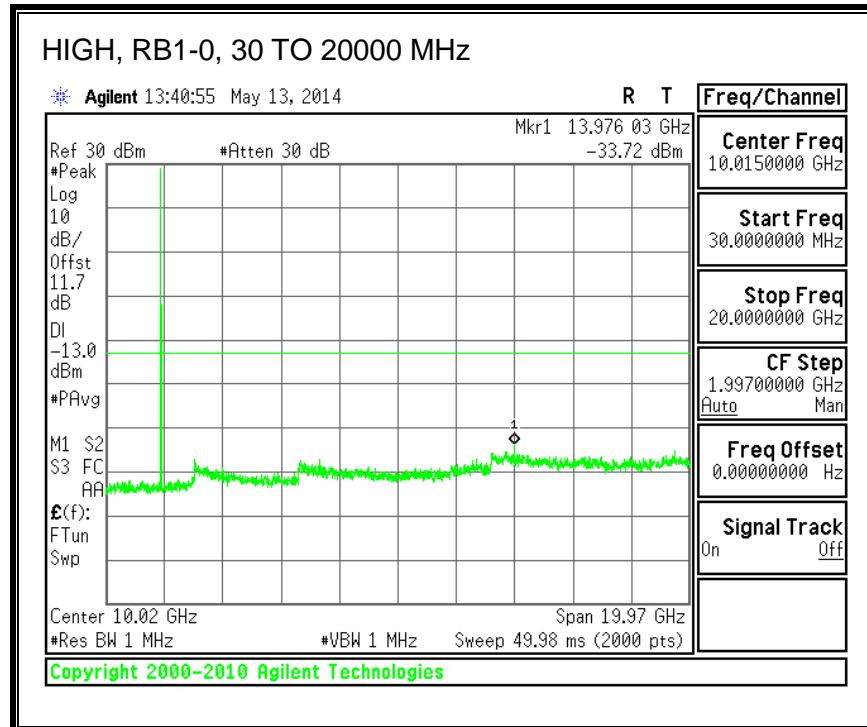
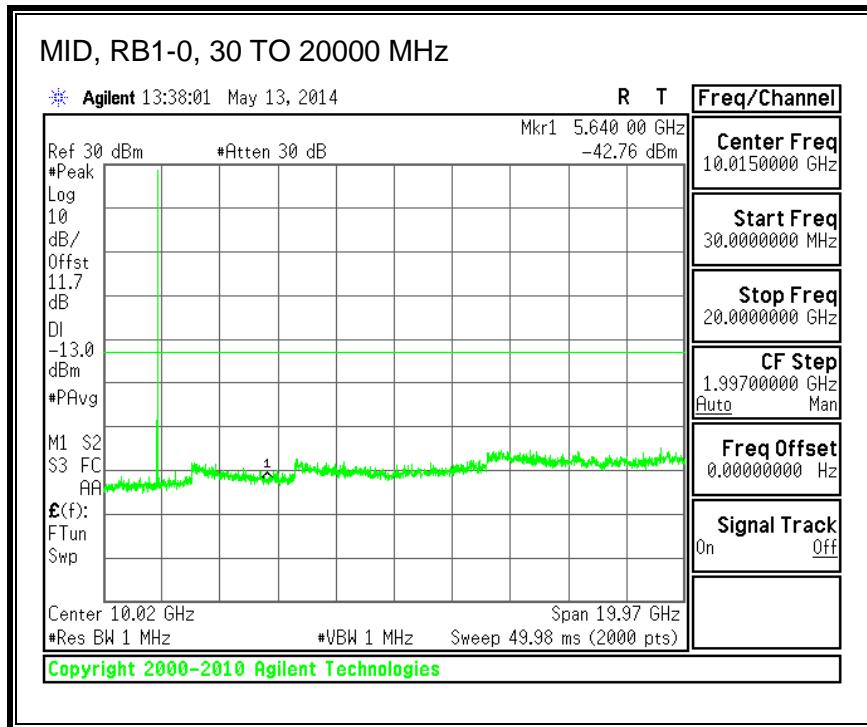
**QPSK, (5.0 MHz BAND WIDTH)**



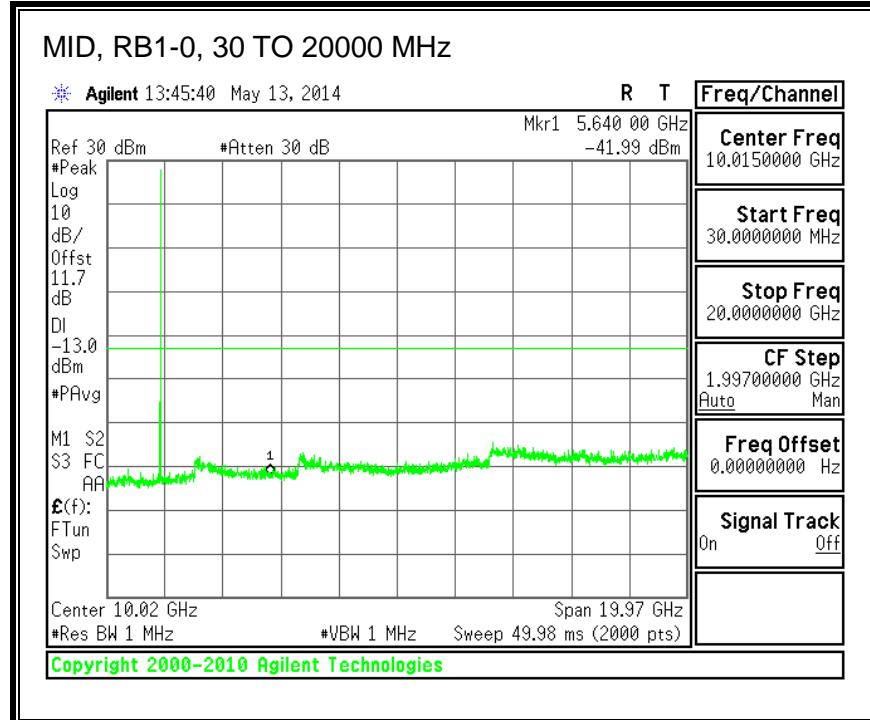
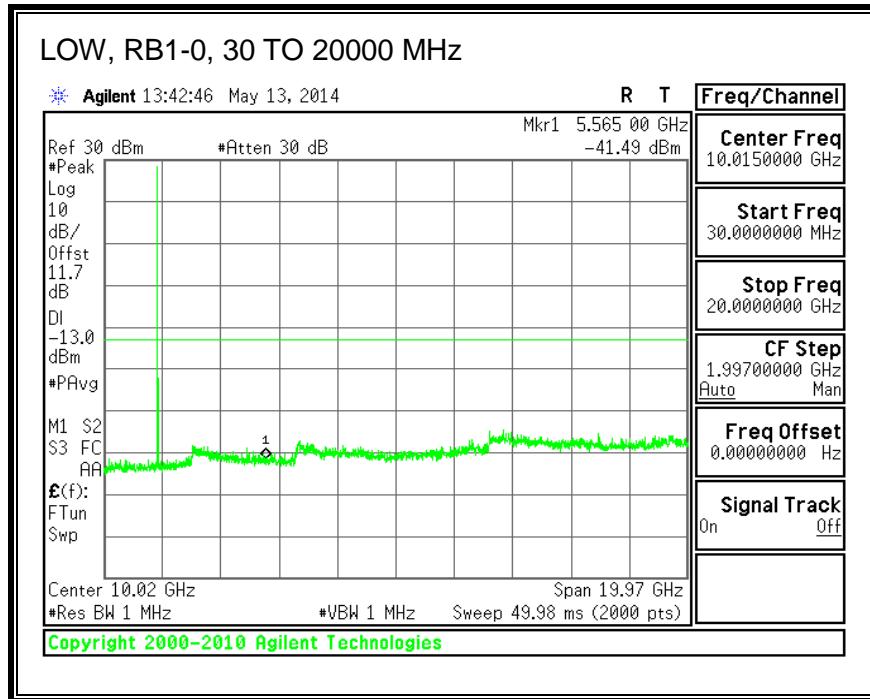


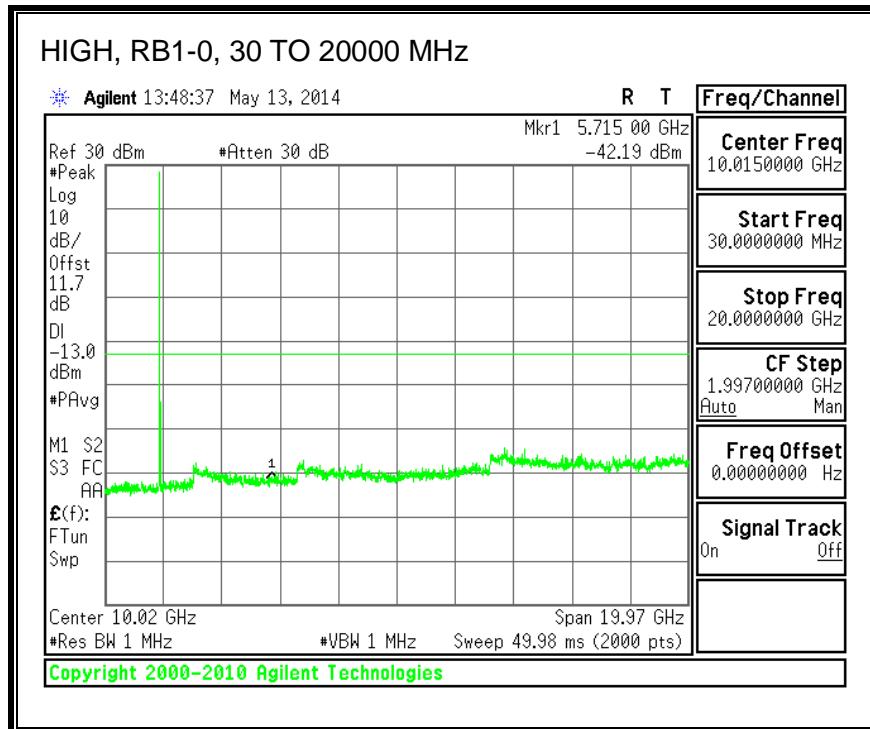
**16QAM, (5.0 MHz BAND WIDTH)**



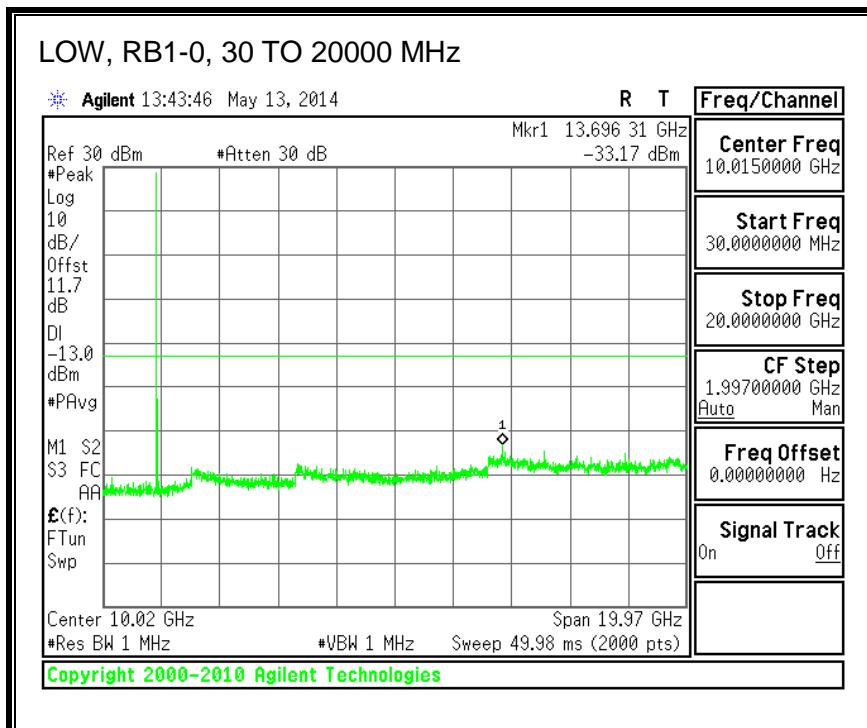


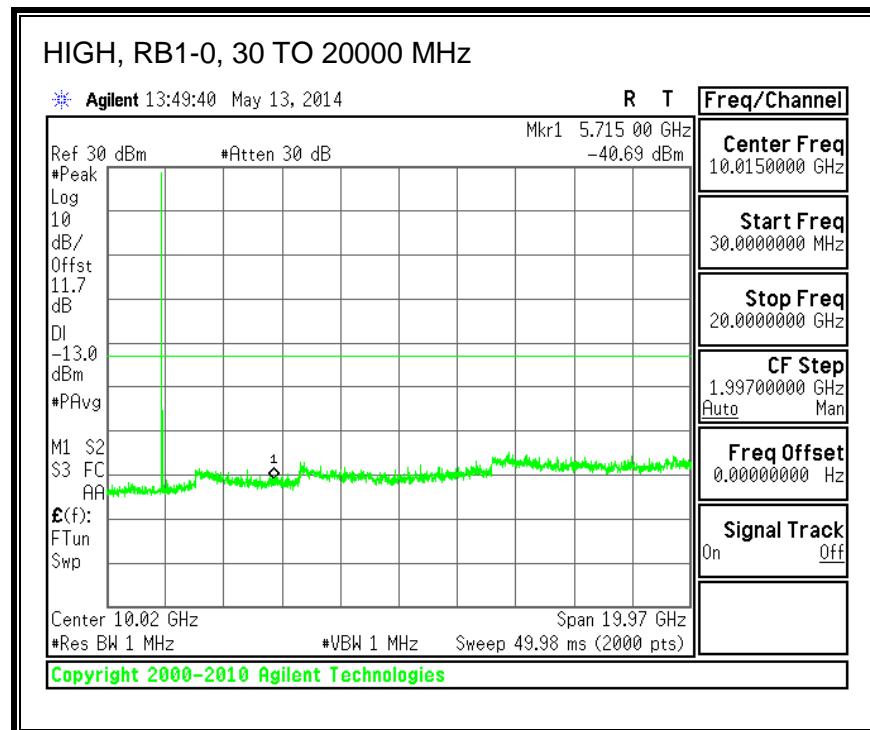
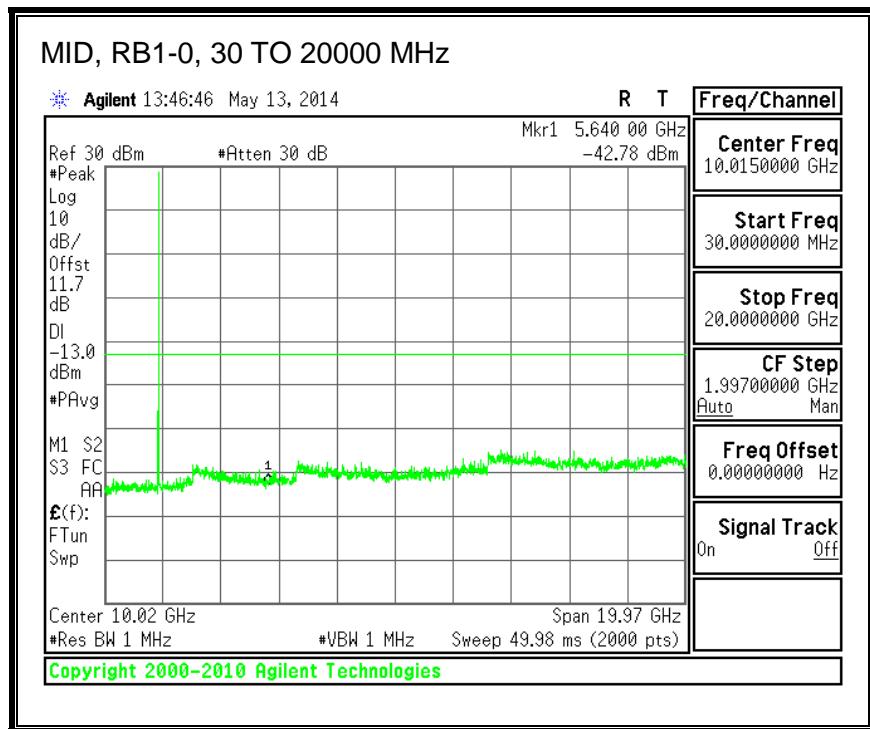
**QPSK, (10.0 MHz BAND WIDTH)**



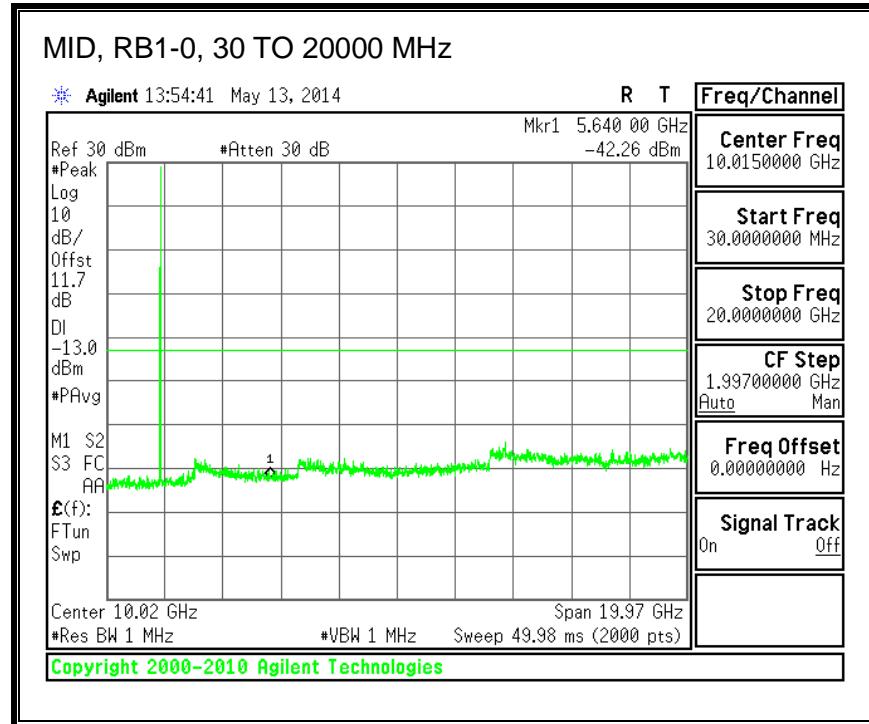
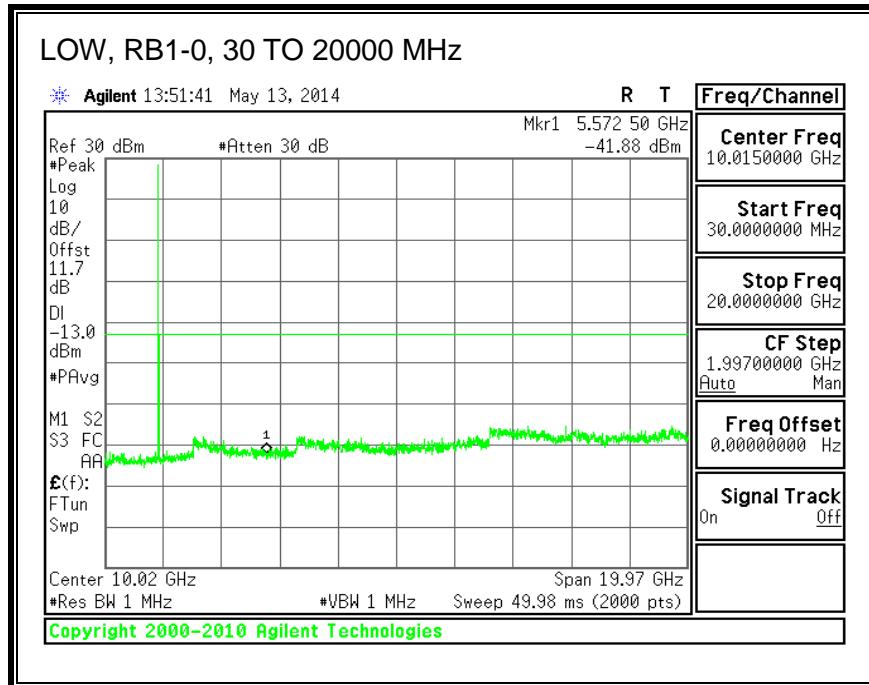


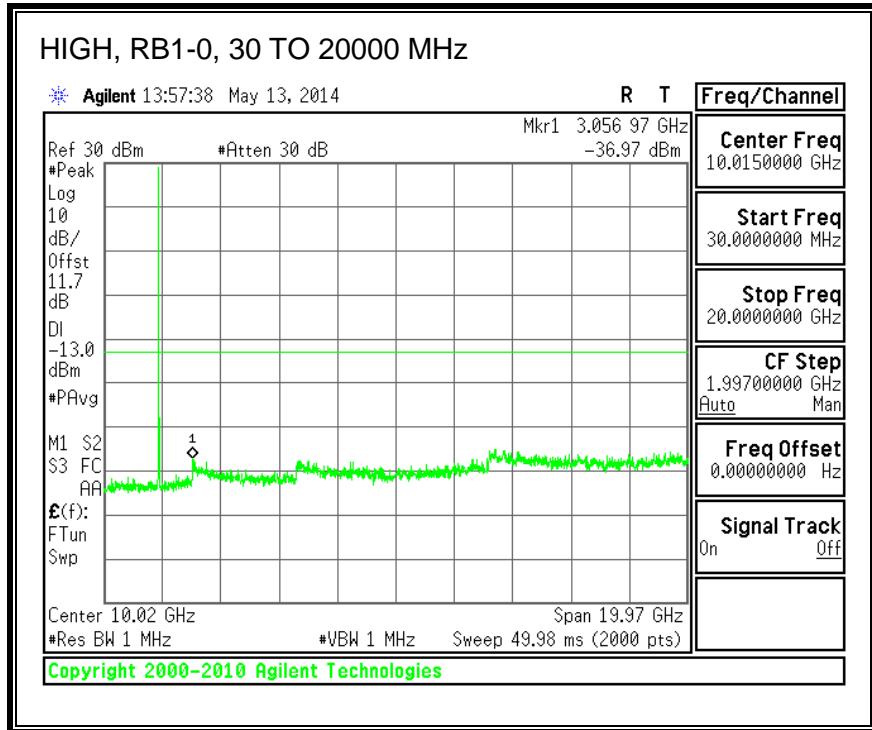
**16QAM, (10.0 MHz BAND WIDTH)**





**QPSK, (15.0 MHz BAND WIDTH)**





**16QAM, (15.0 MHz BAND WIDTH)**

