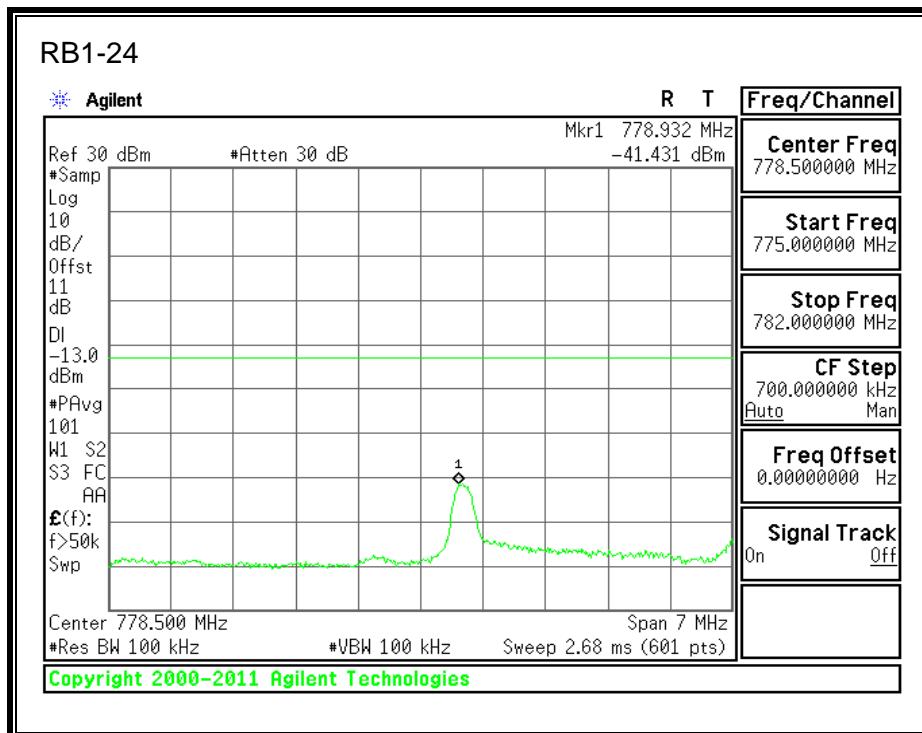
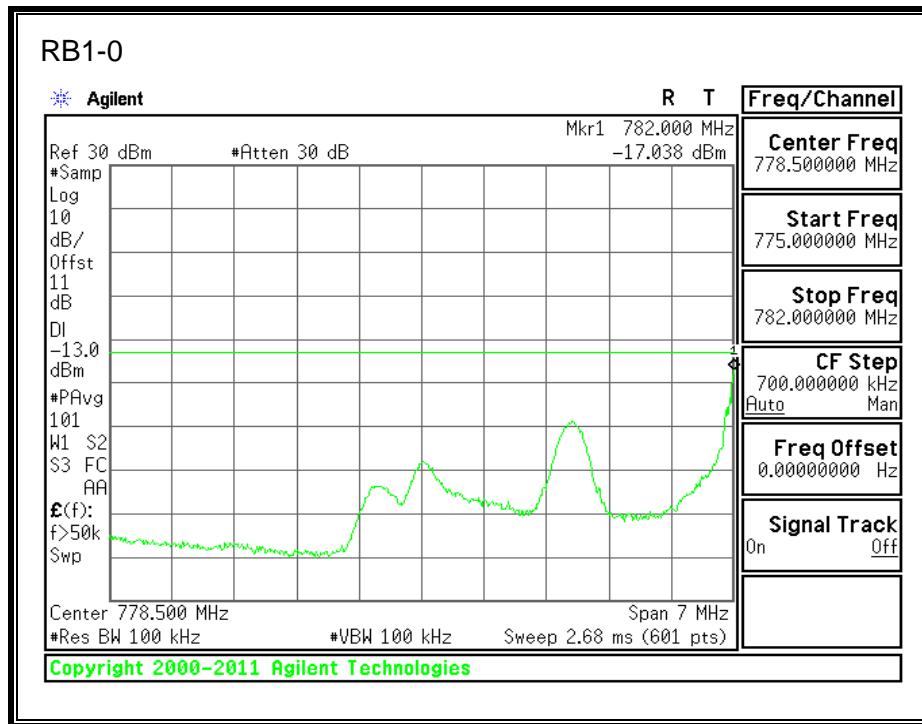
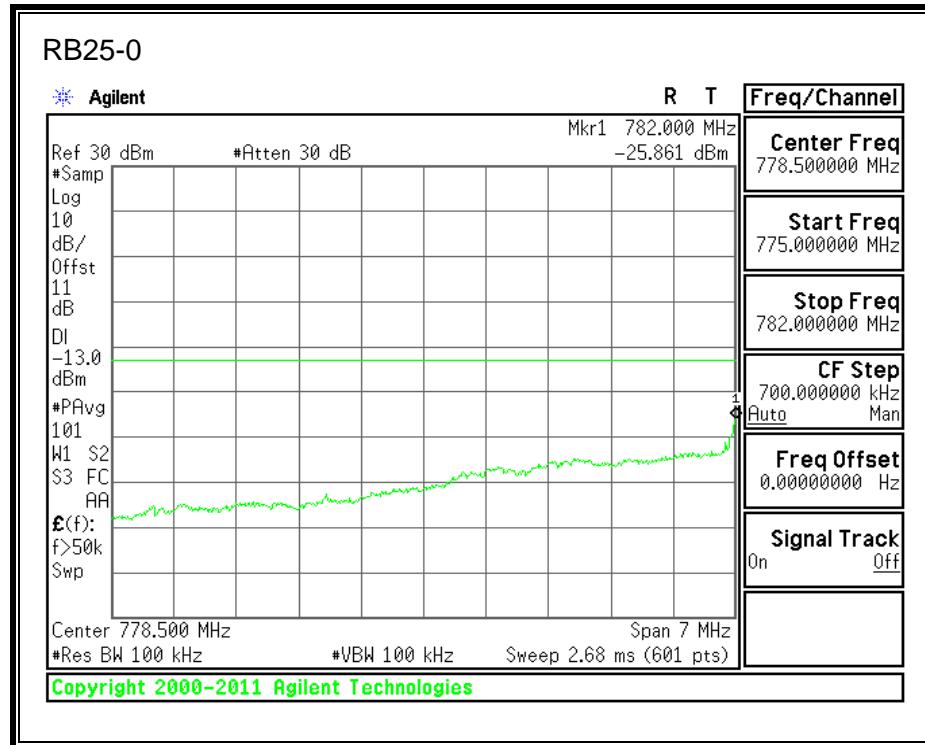
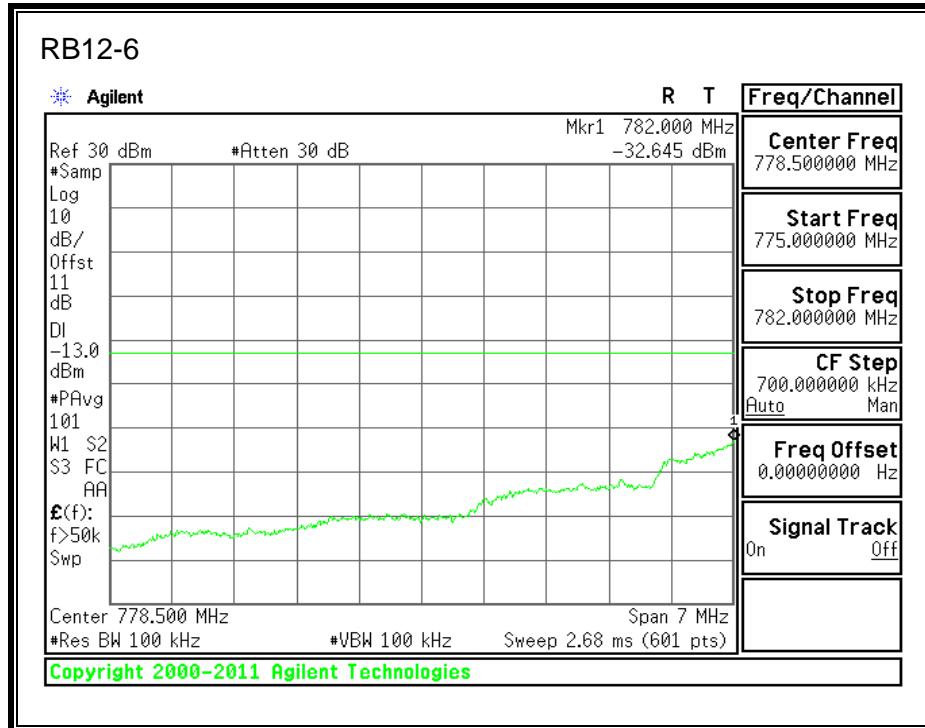
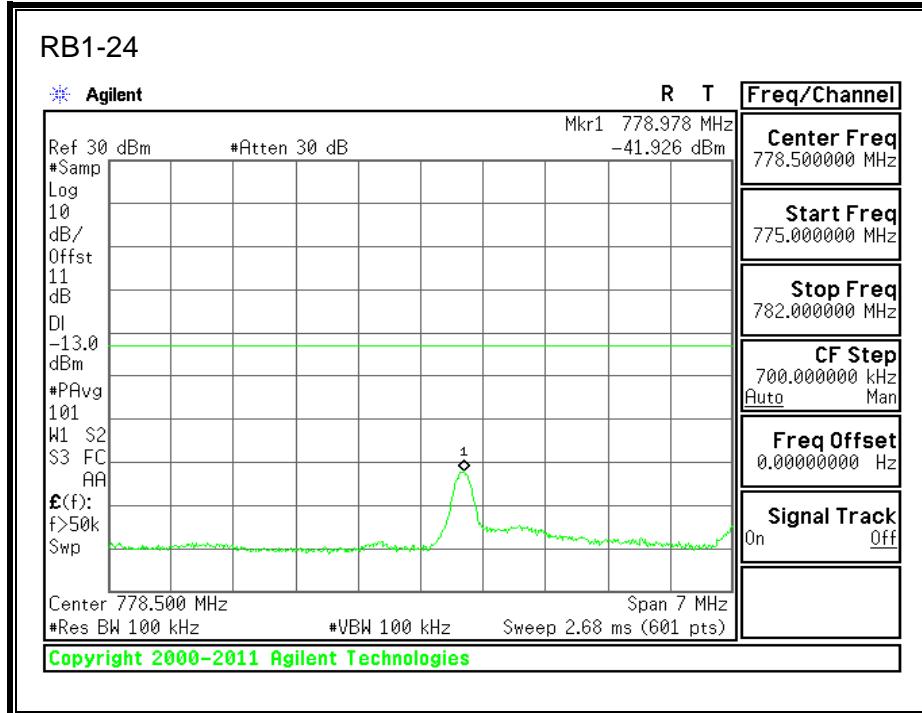
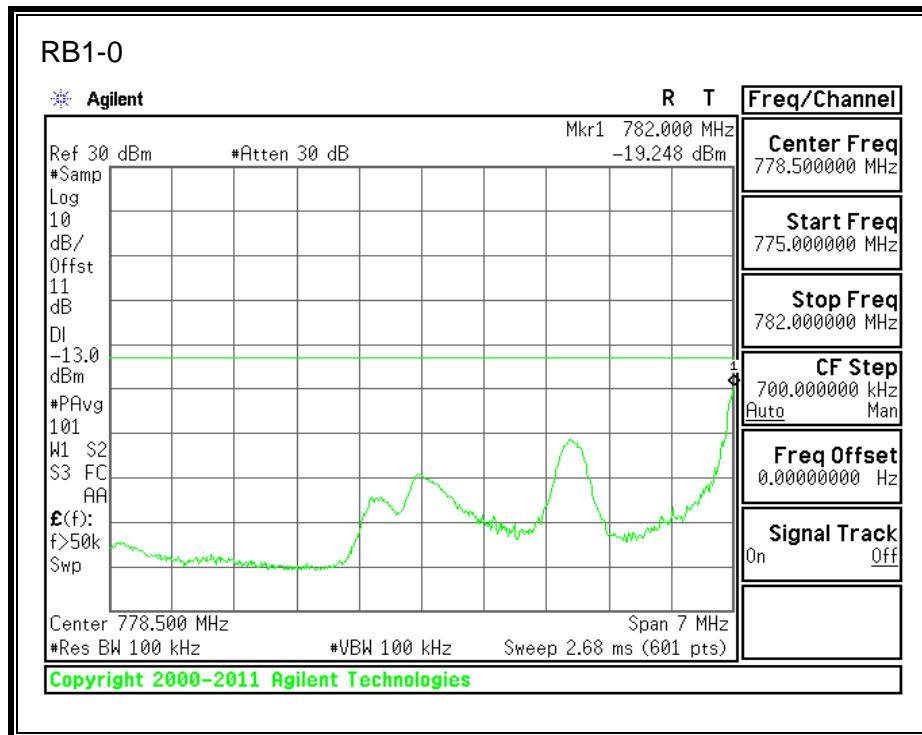


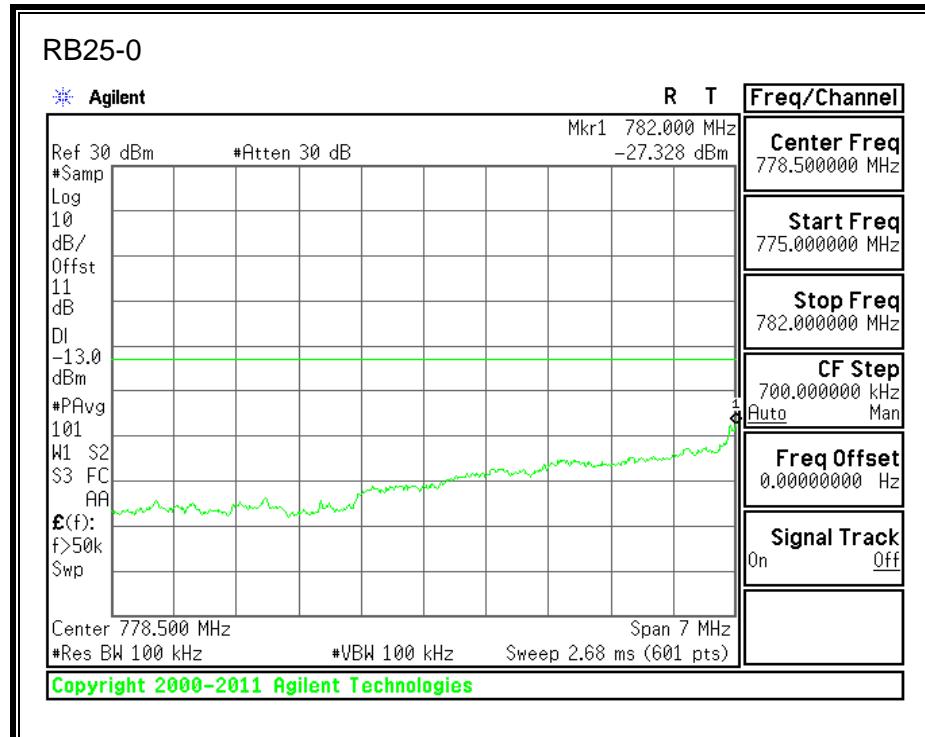
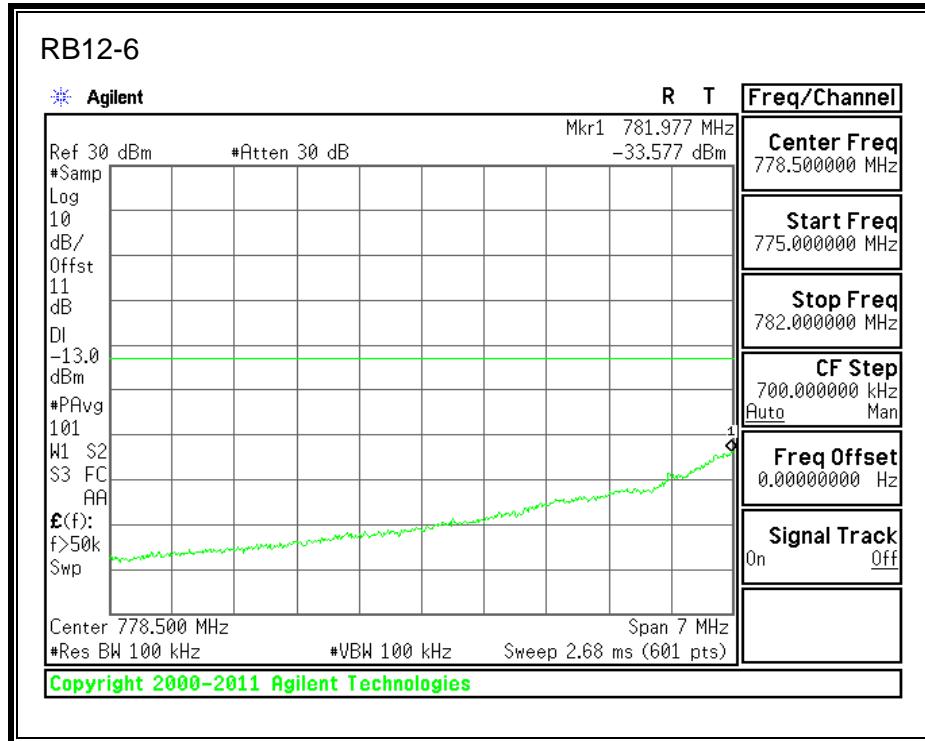
QPSK, 784.5MHz, 775 - 782MHz, (5MHz Bandwidth)



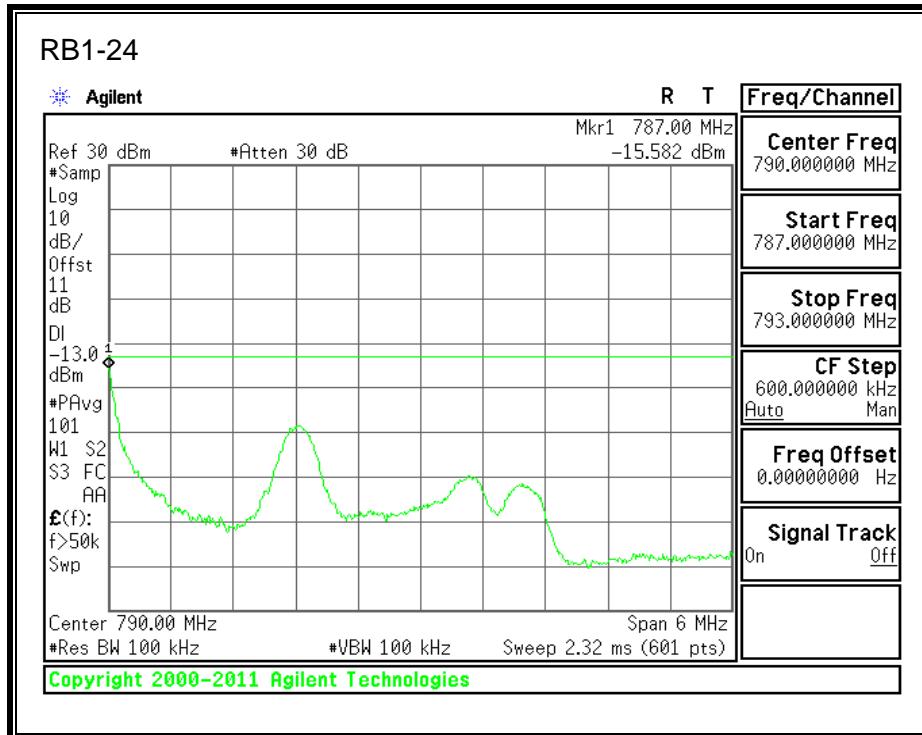
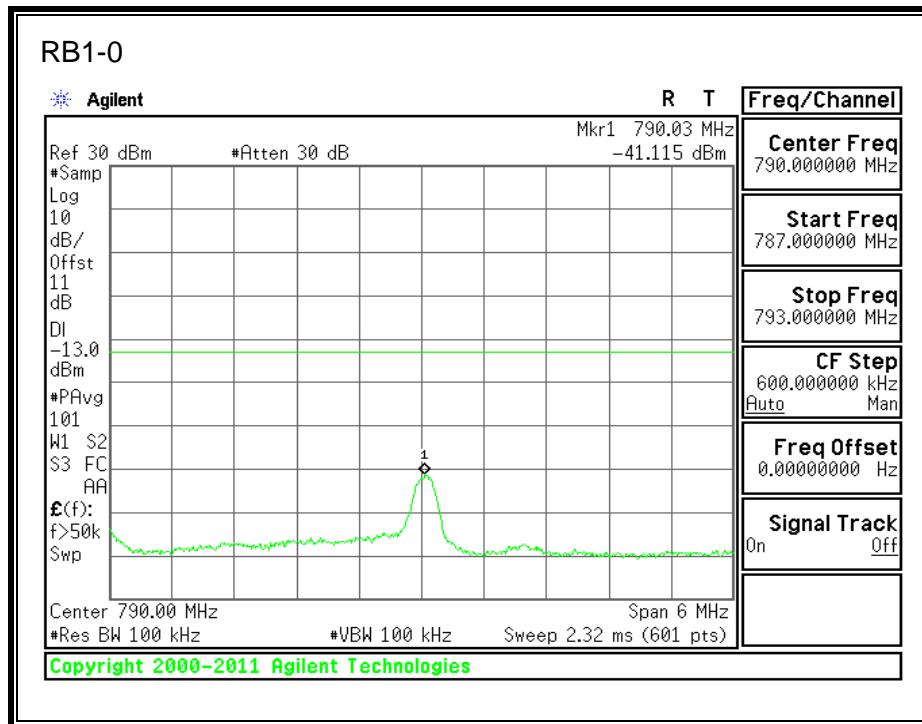


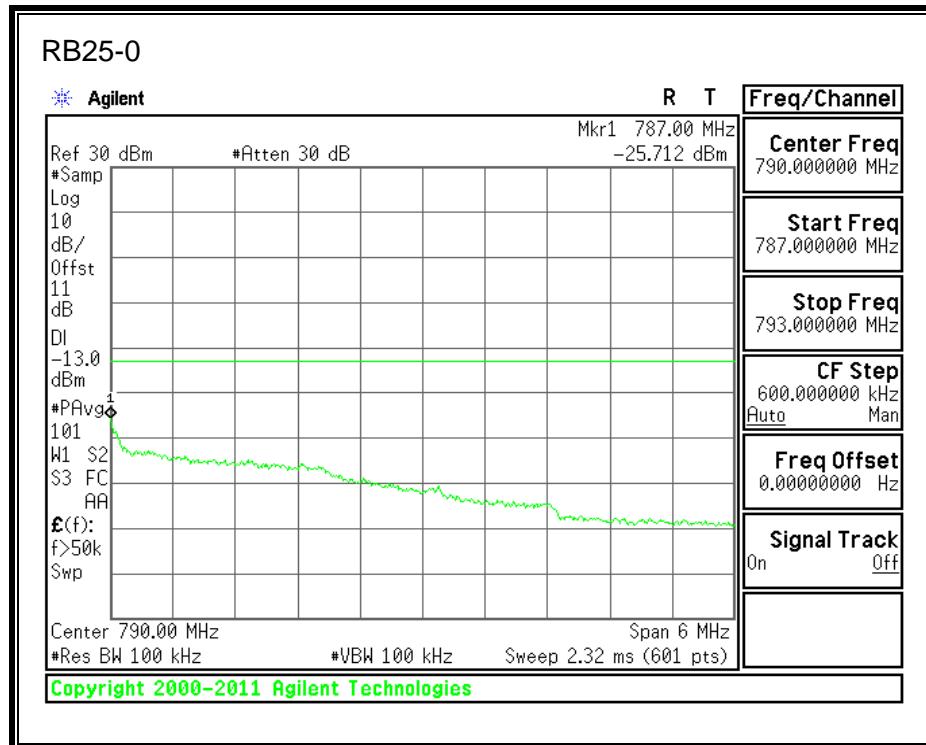
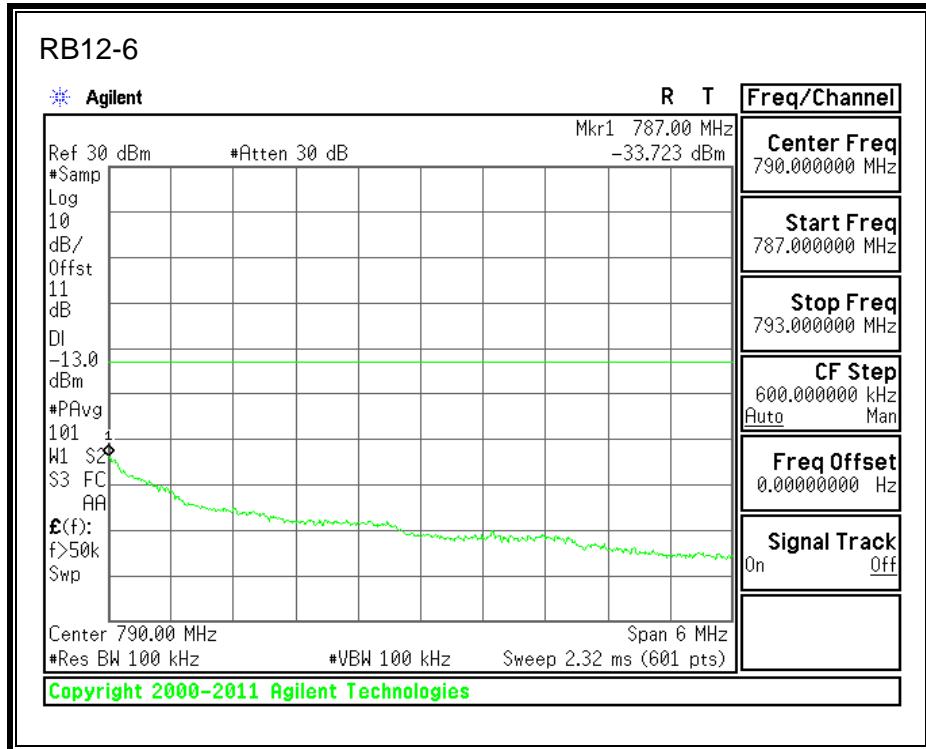
16QAM, 784.5MHz, 775 - 782MHz, (5MHz Bandwidth)



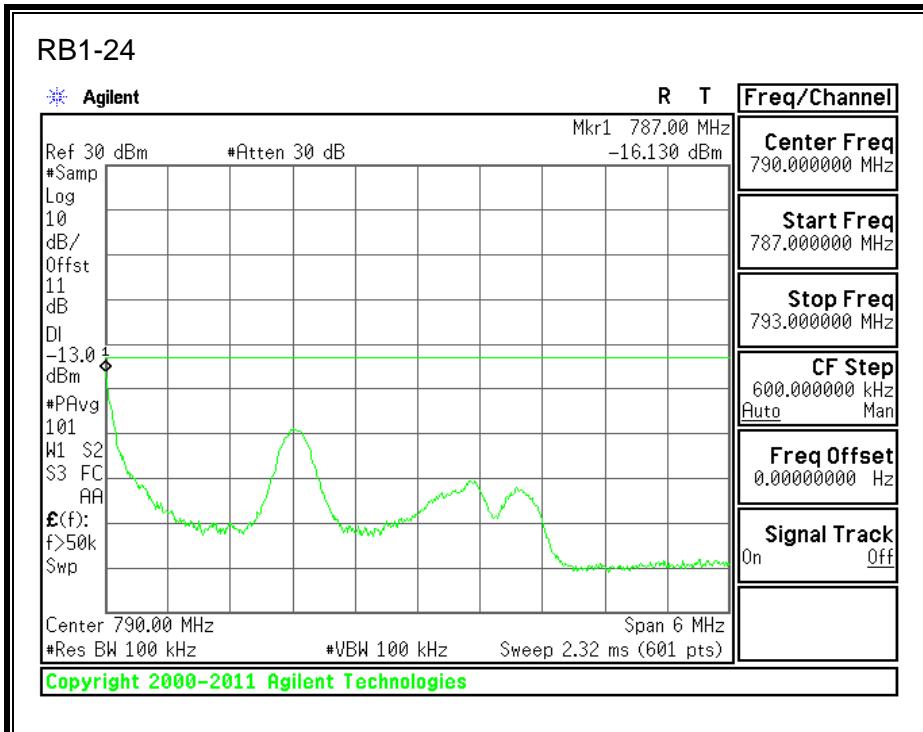
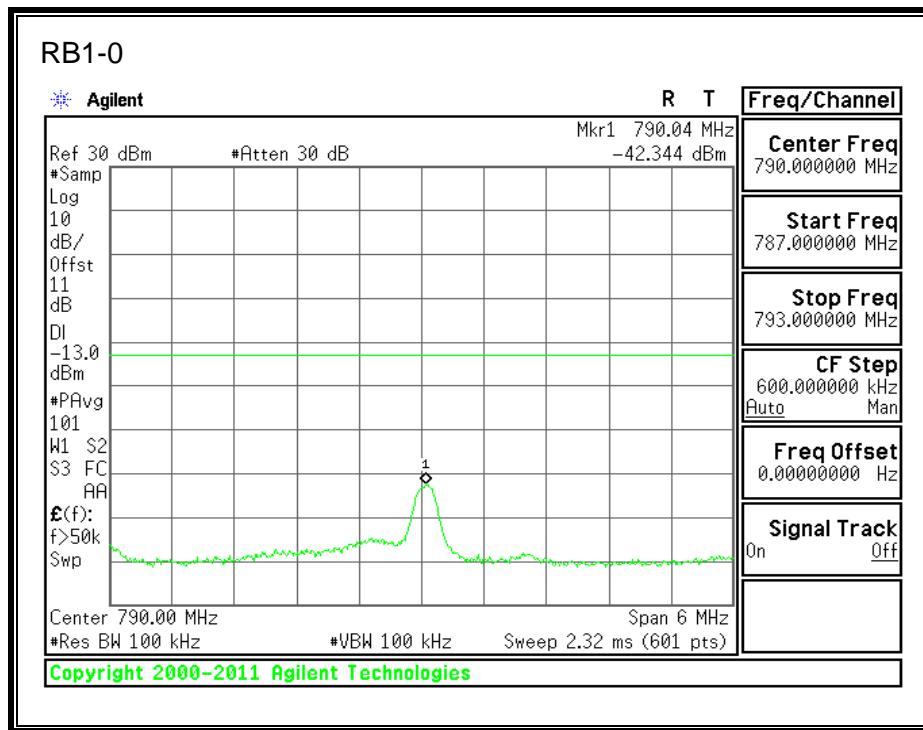


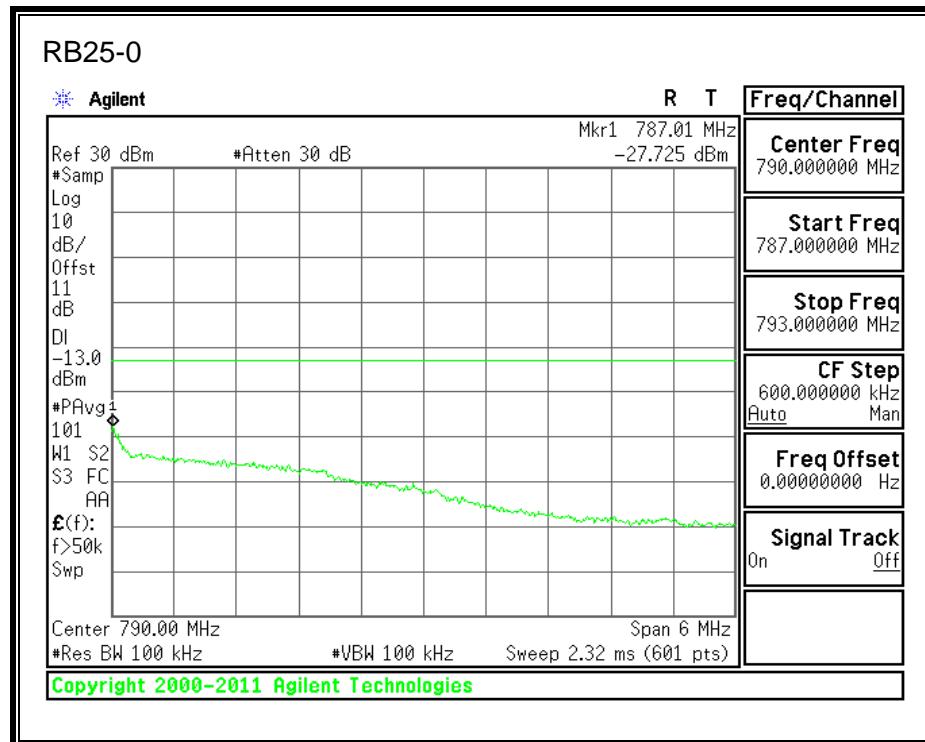
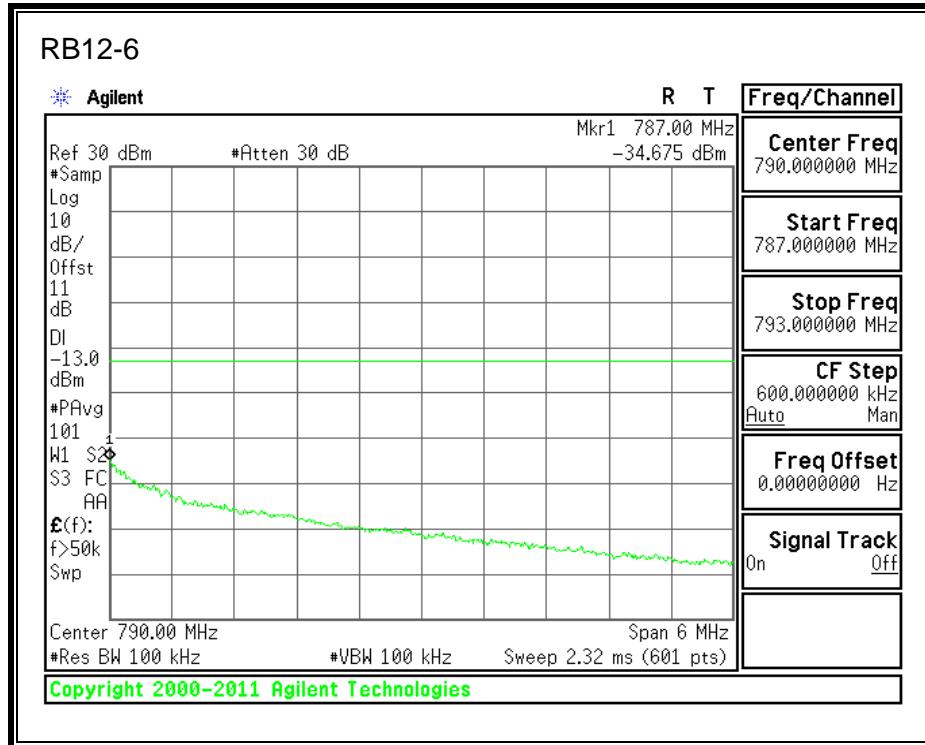
QPSK, 784.5MHz, 787 - 793MHz, (5MHz Bandwidth)



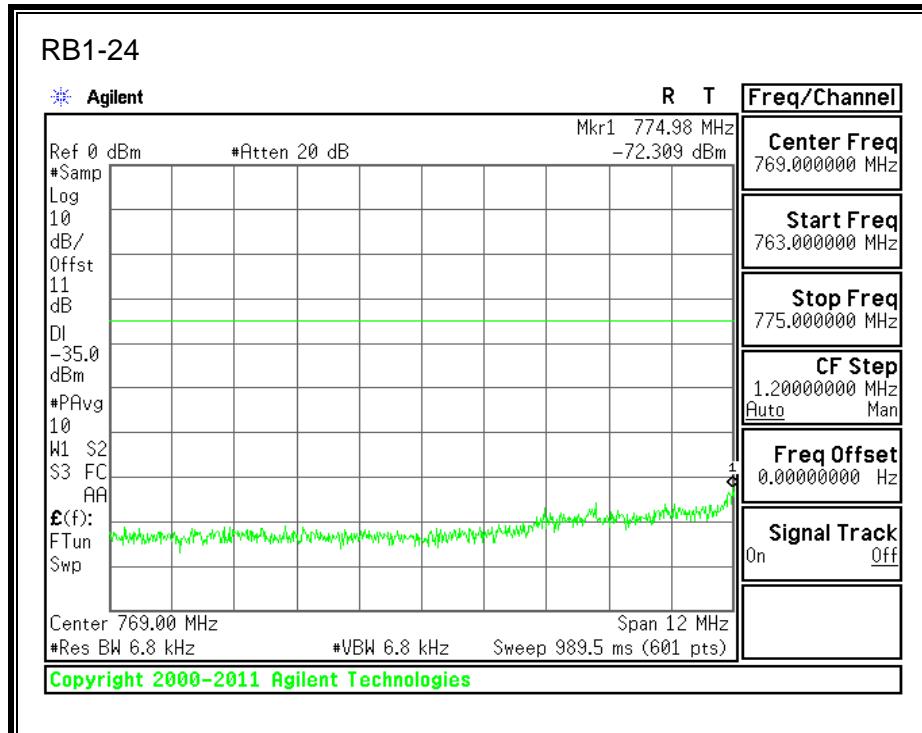
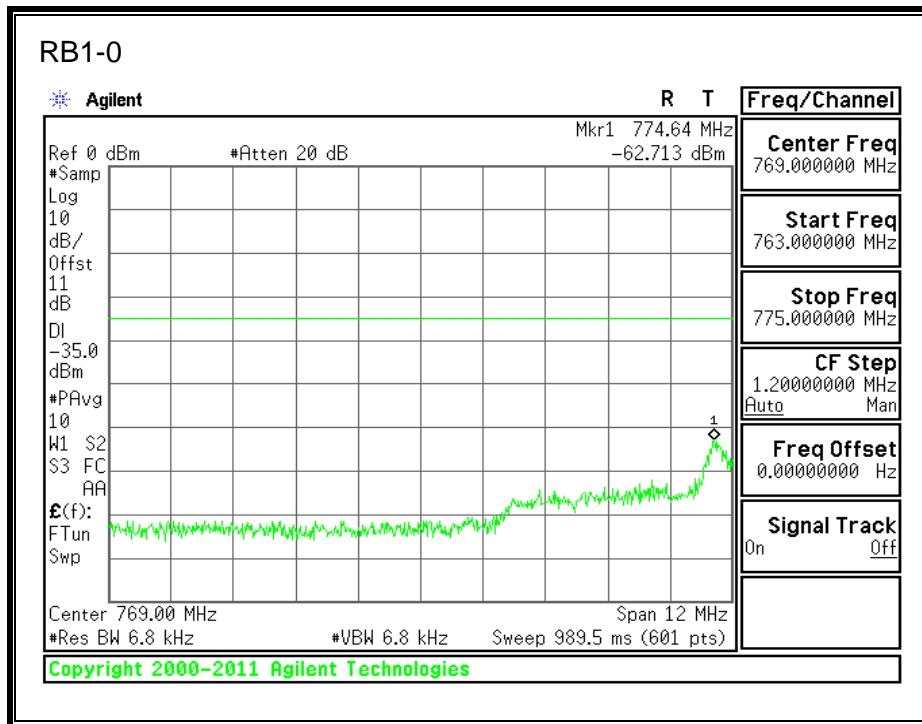


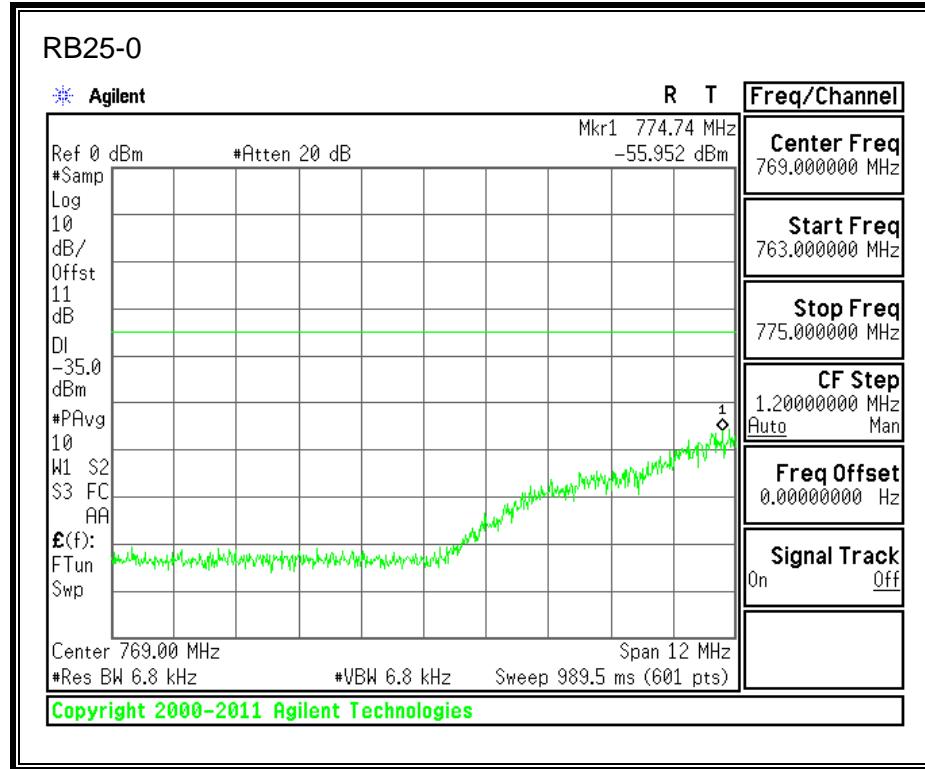
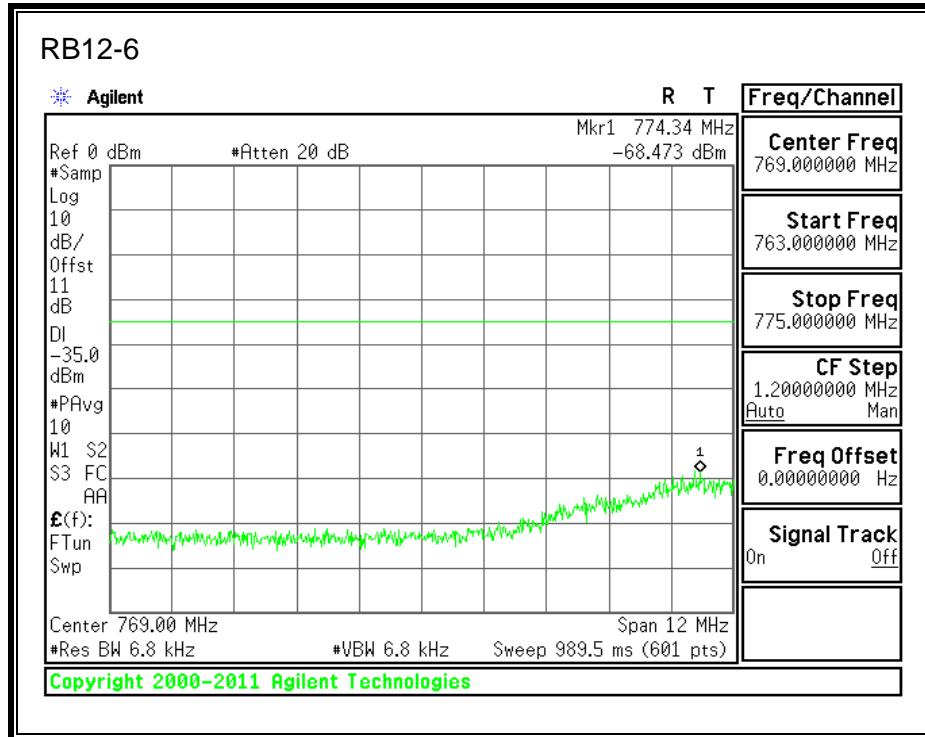
16QAM, 784.5MHz, 787 - 793MHz, (5MHz Bandwidth)



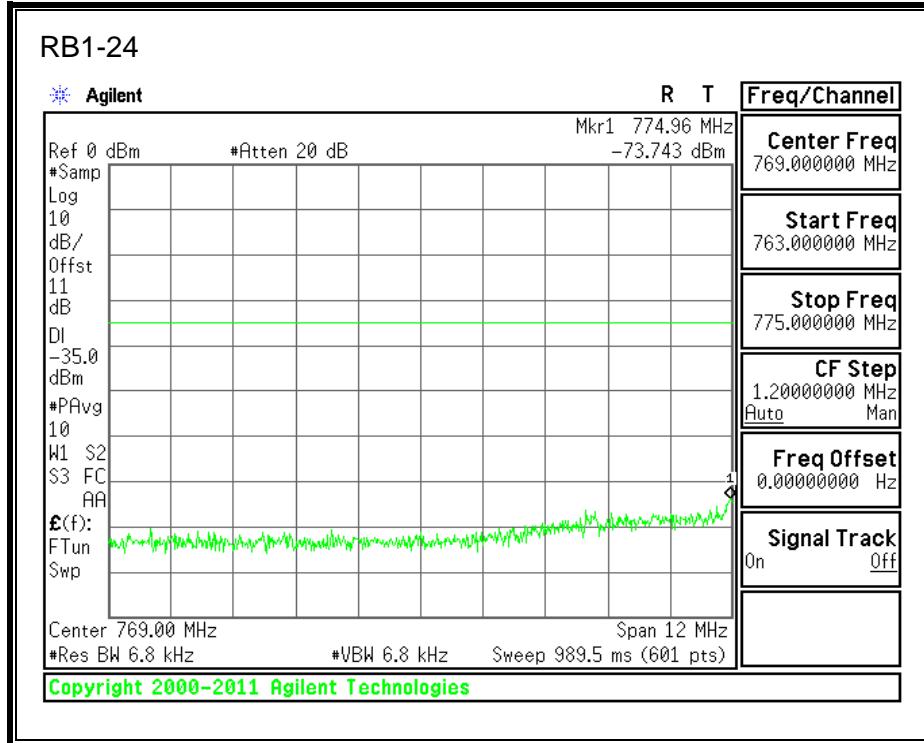
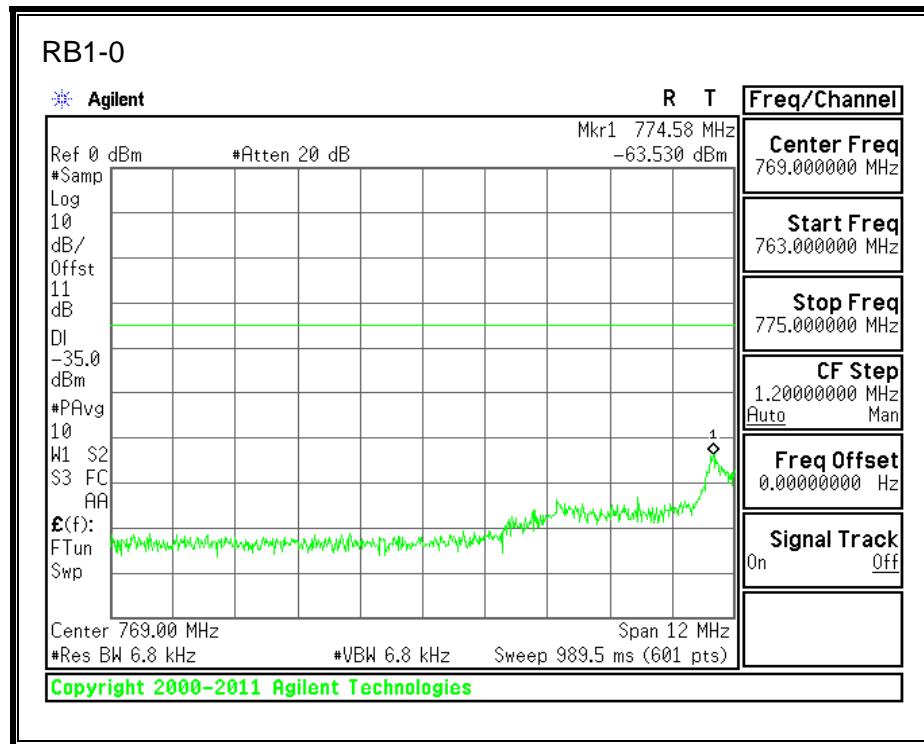


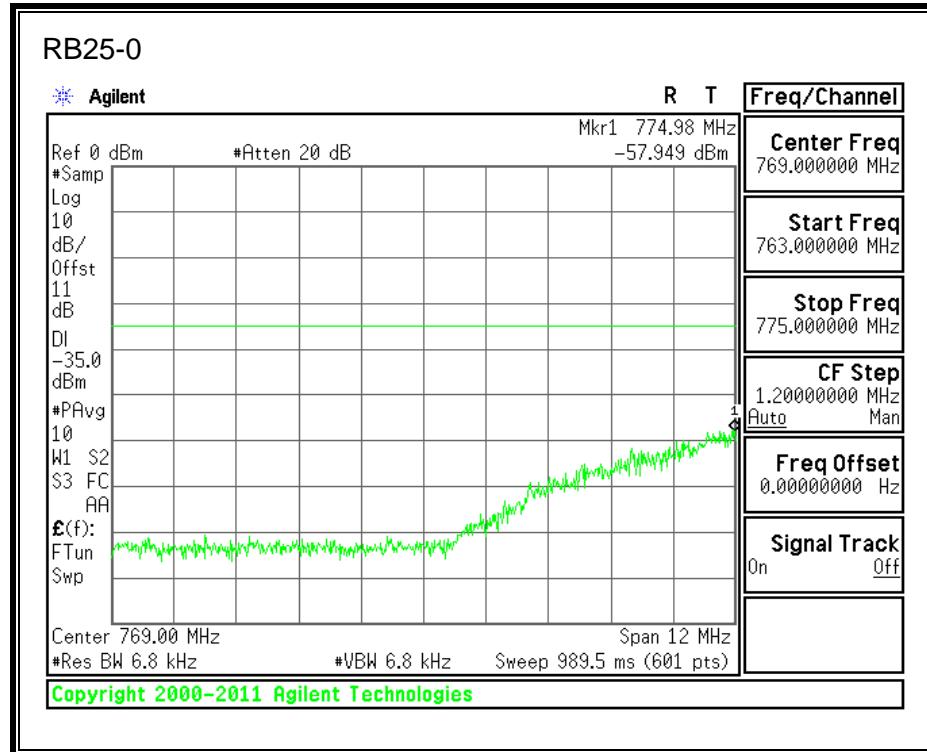
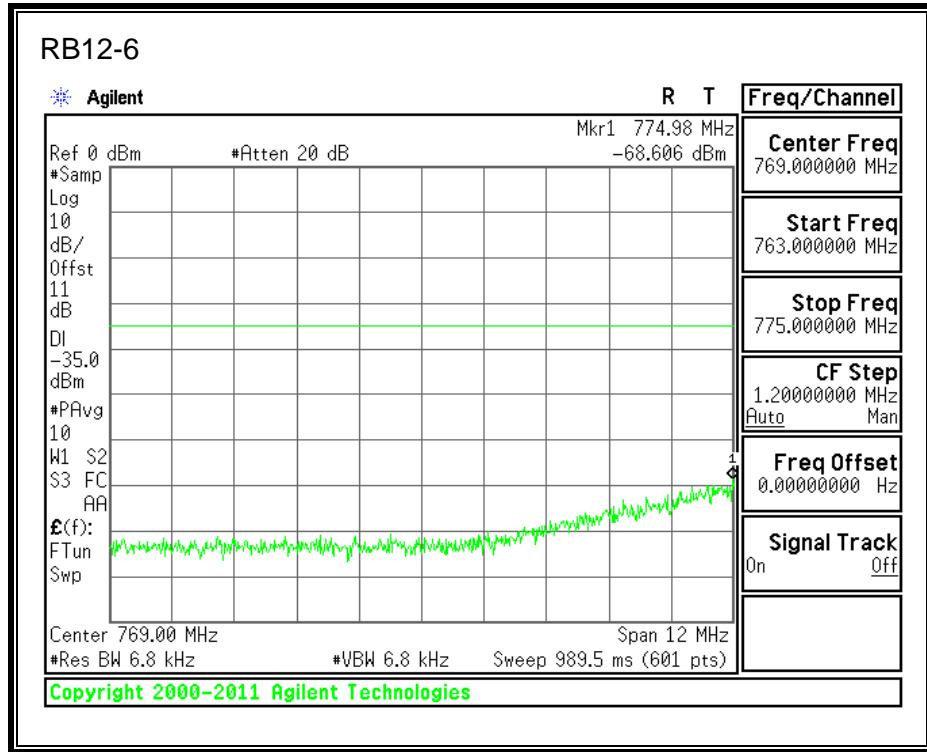
QPSK, 784.5MHz, 763 - 775MHz, (5MHz Bandwidth)



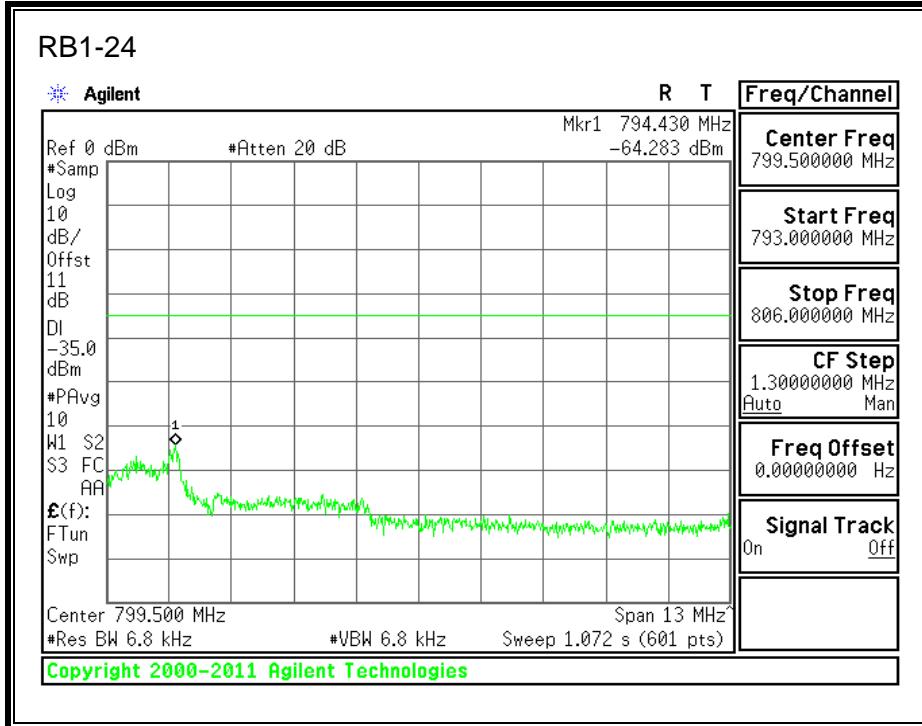
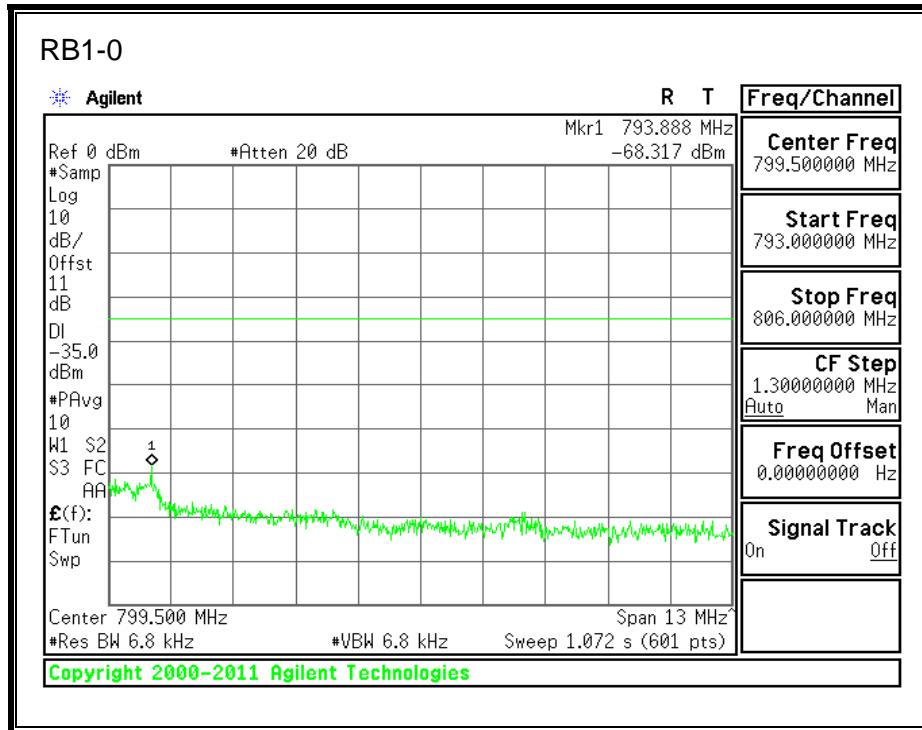


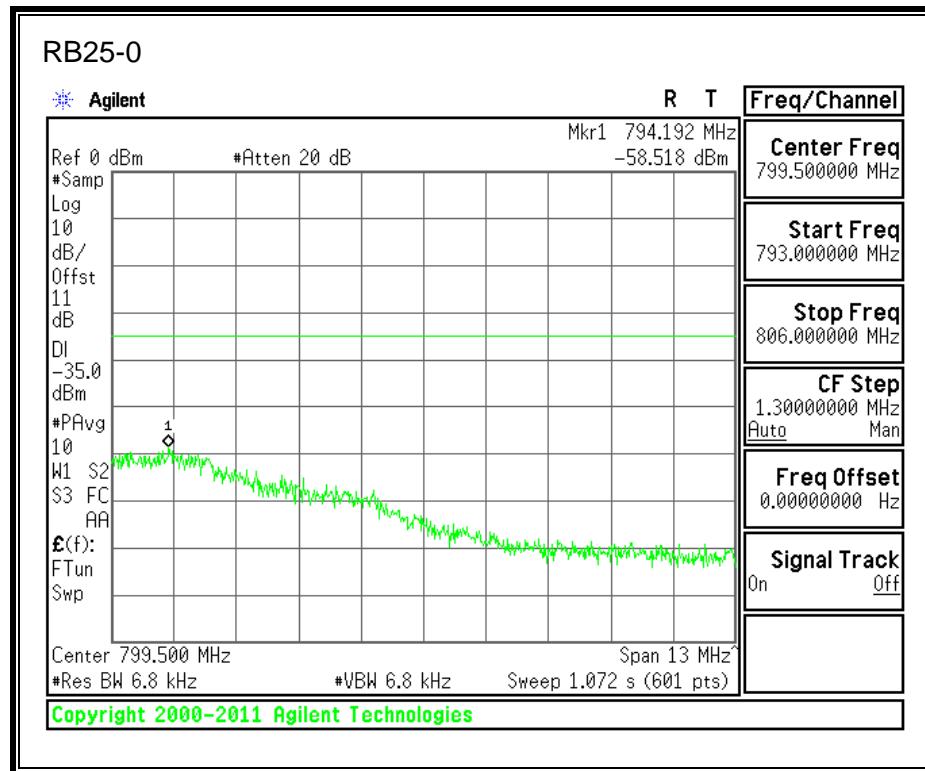
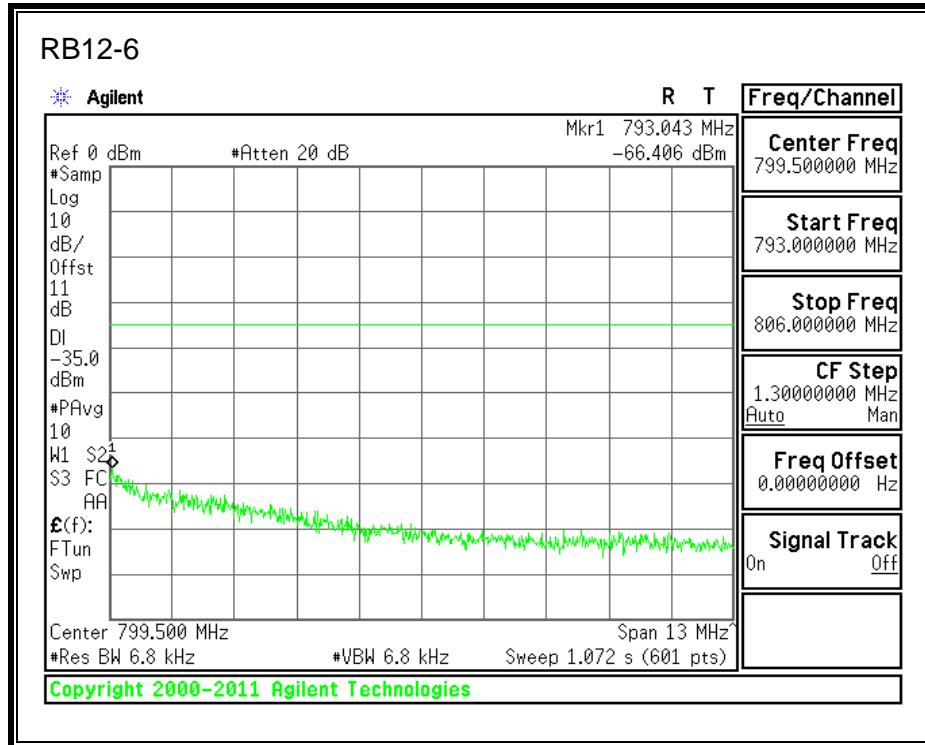
16QAM, 784.5MHz, 763 - 775MHz, (5MHz Bandwidth)



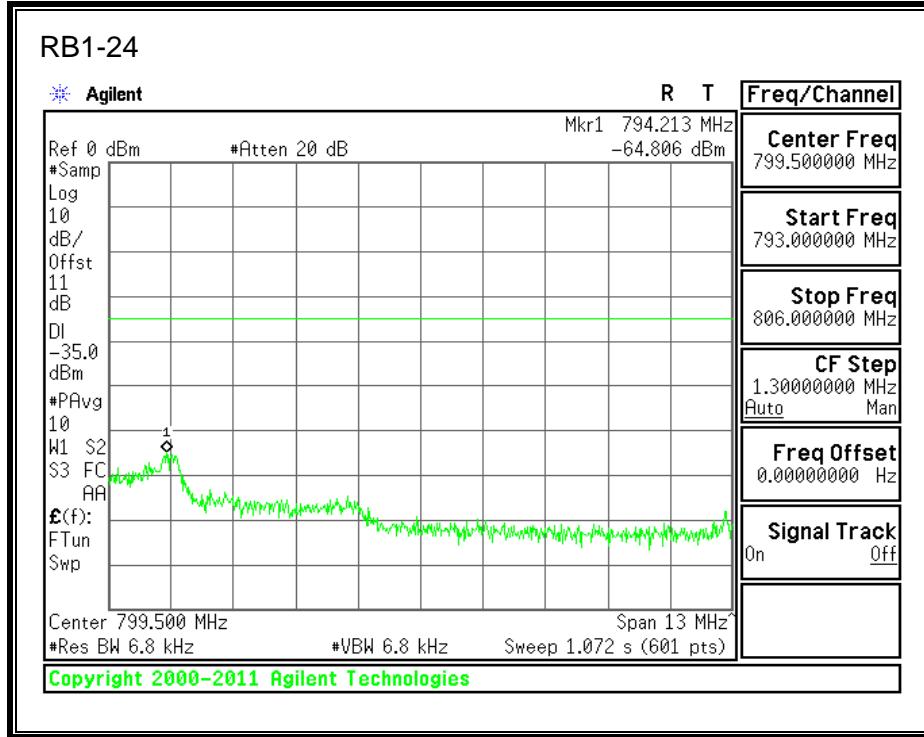
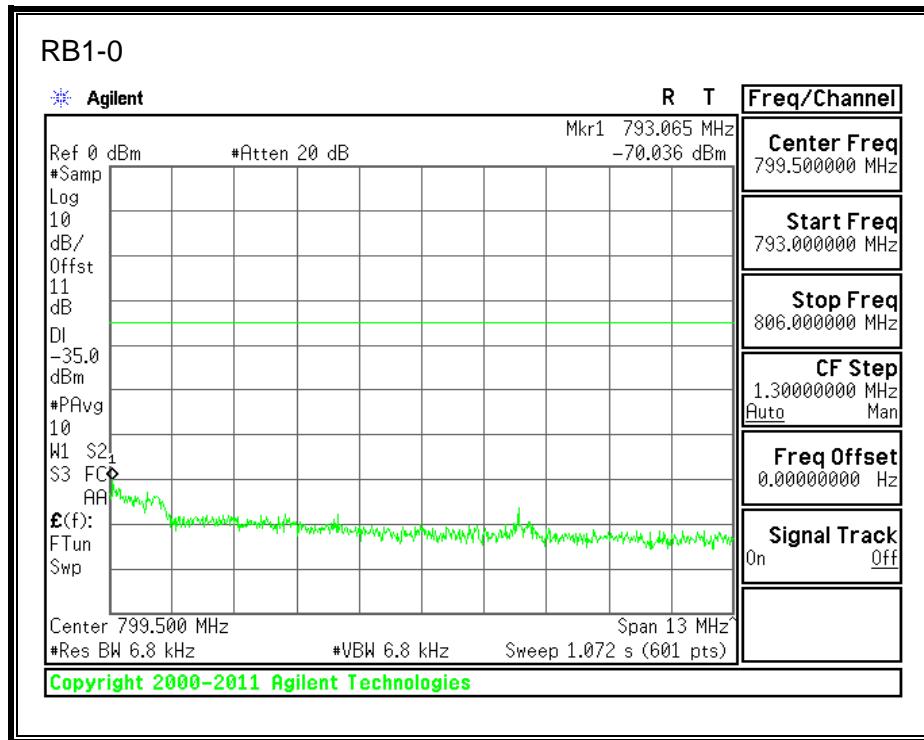


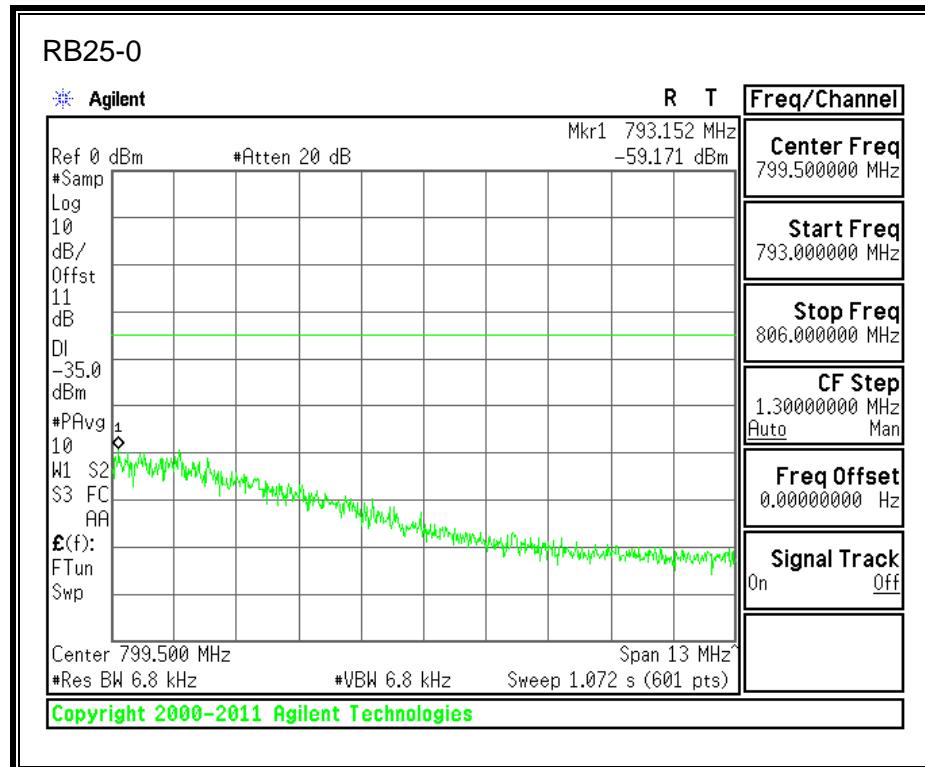
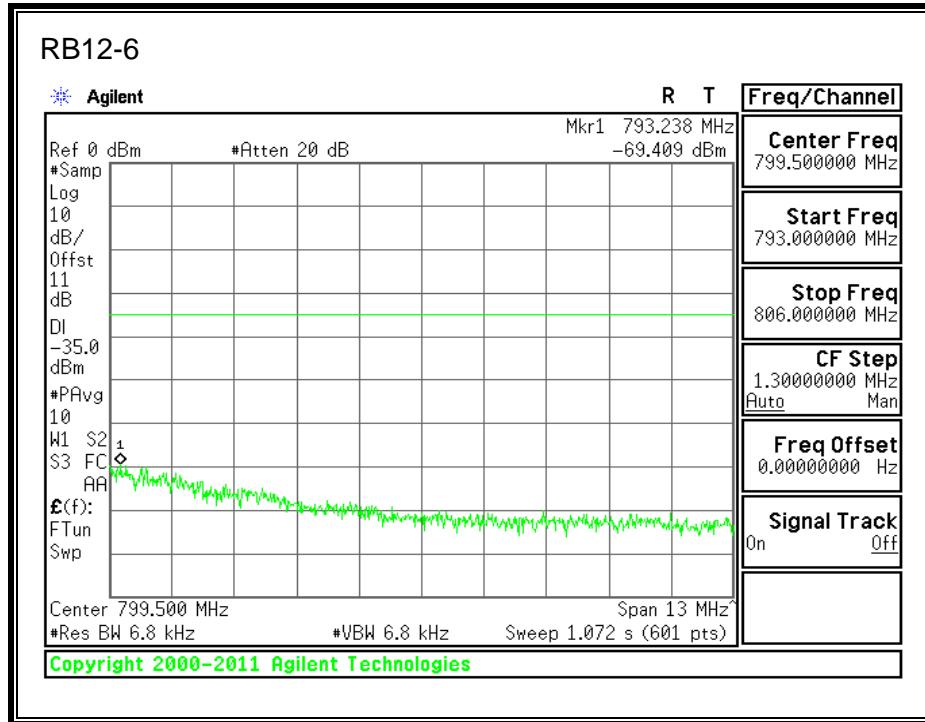
QPSK, 784.5MHz, 793 - 806MHz, (5MHz Bandwidth)



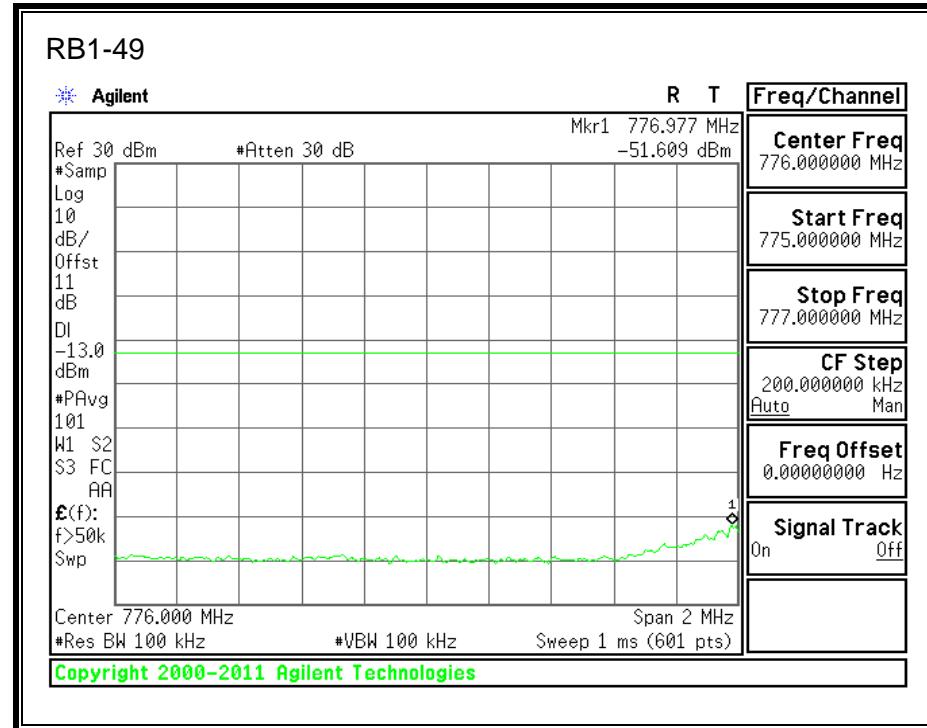
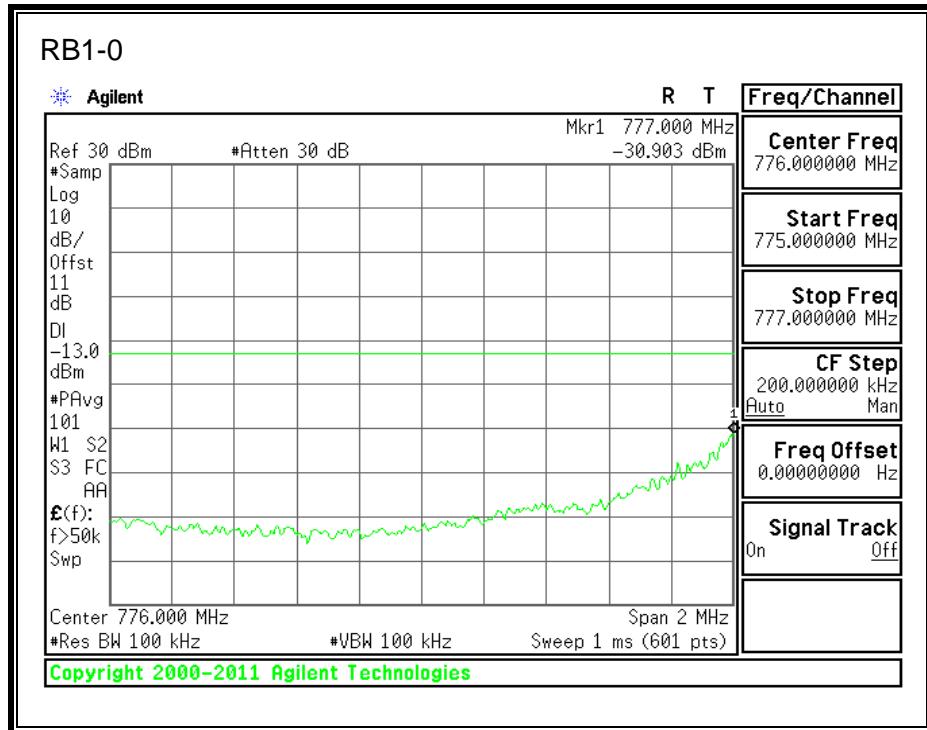


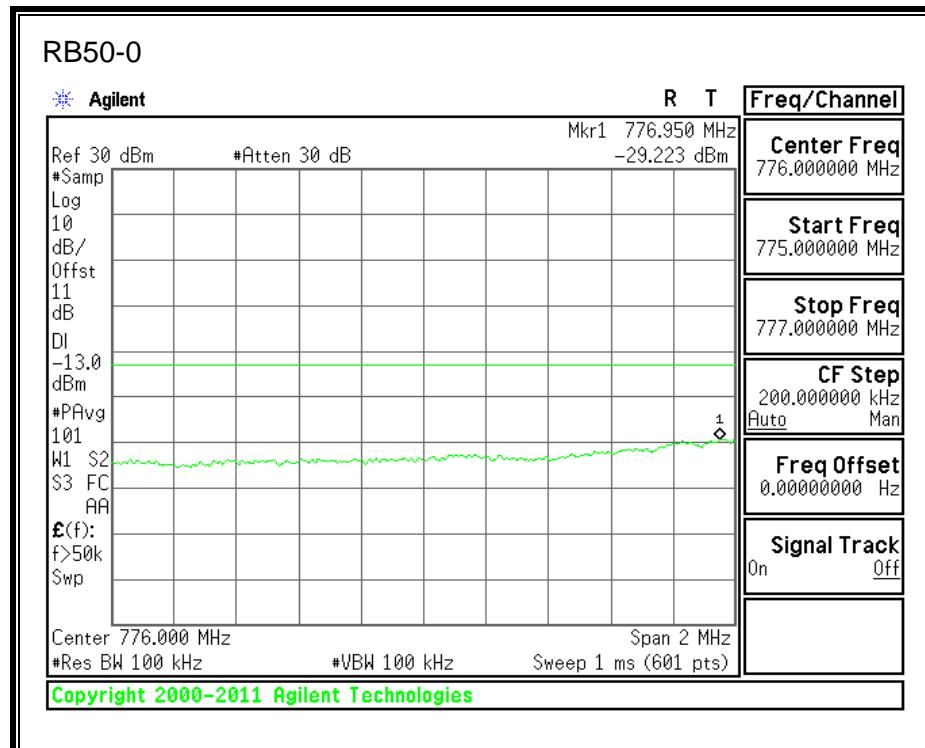
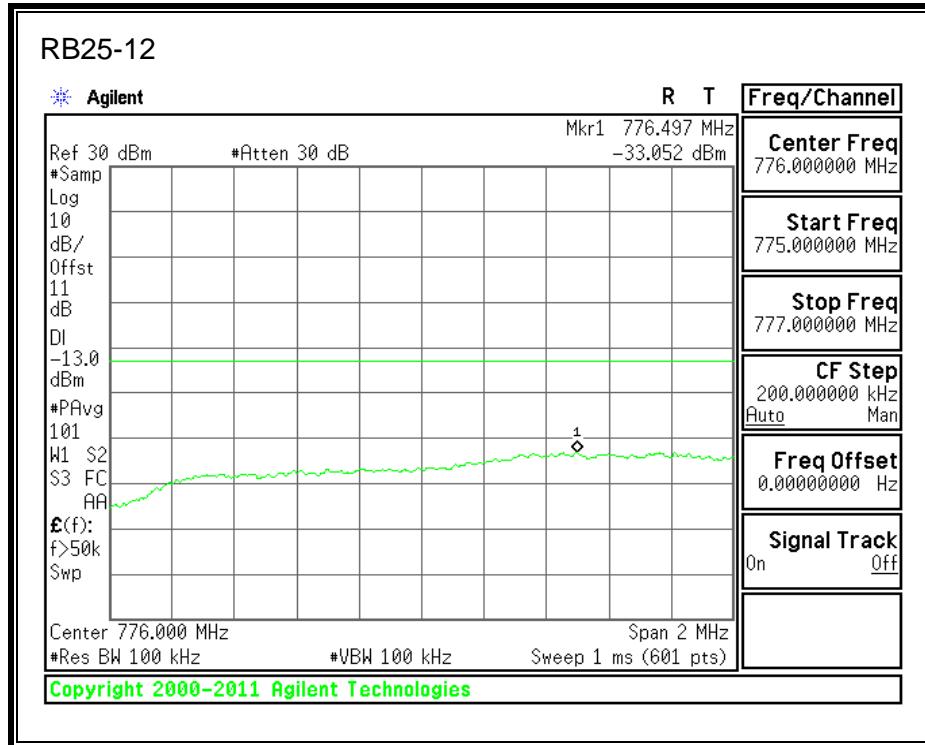
16QAM, 784.5MHz, 793 - 806MHz, (5MHz Bandwidth)



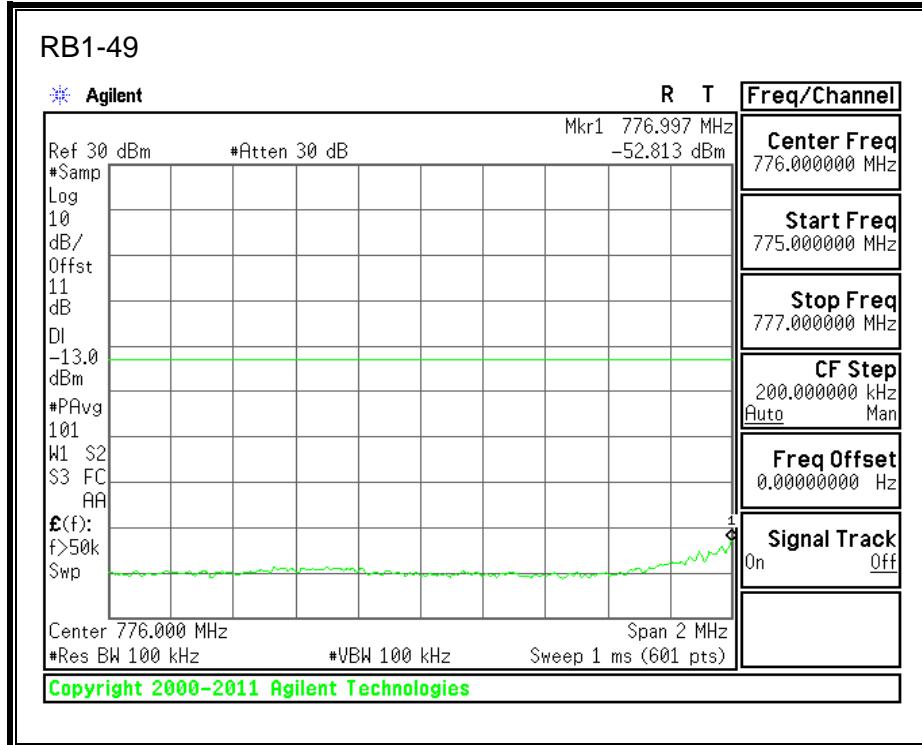
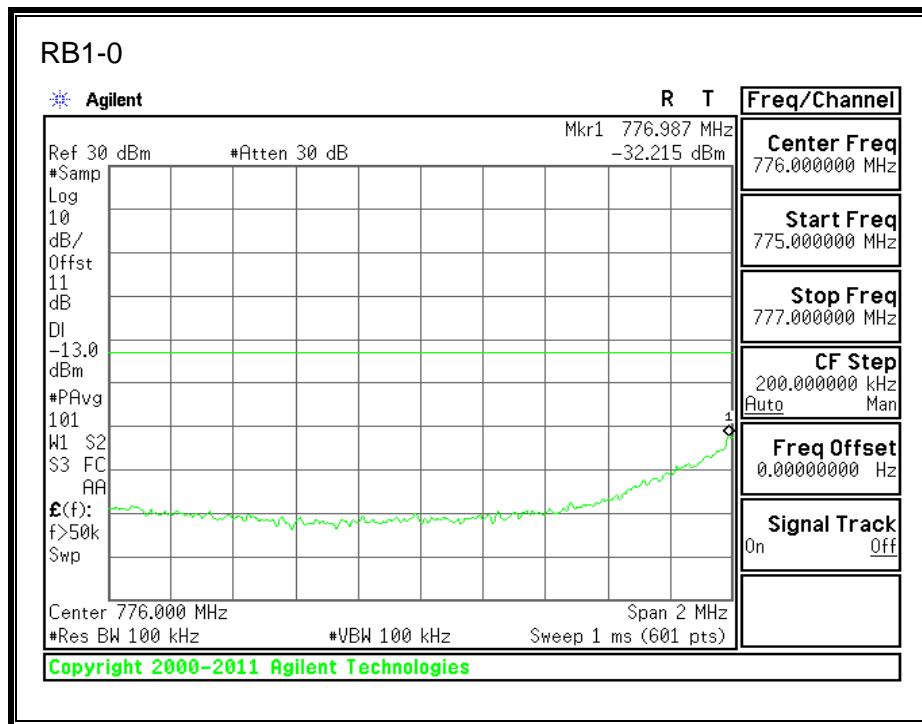


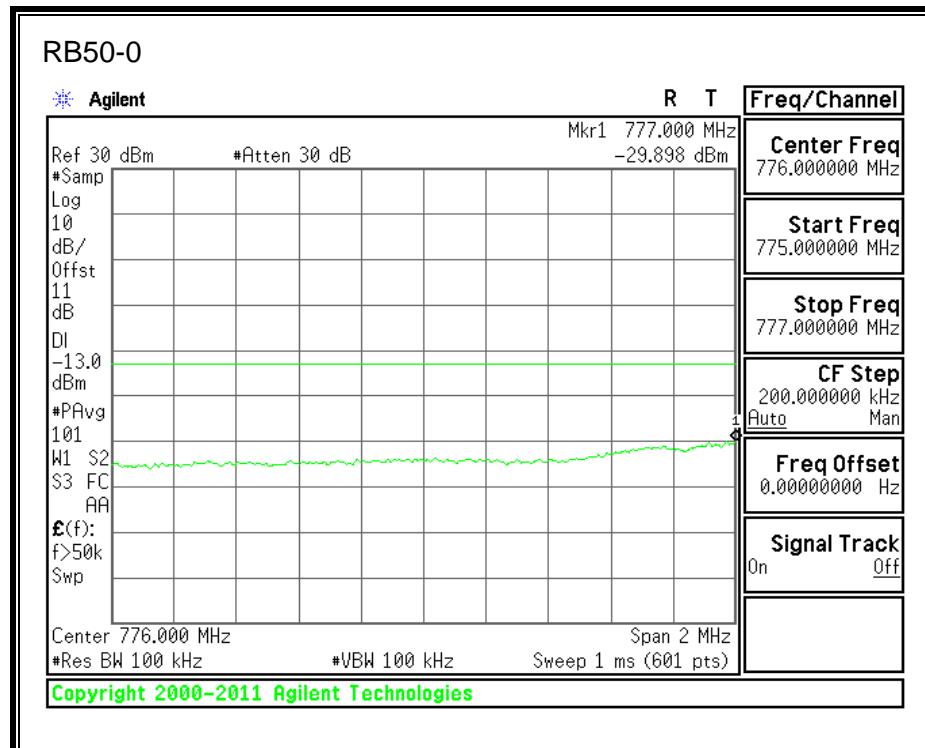
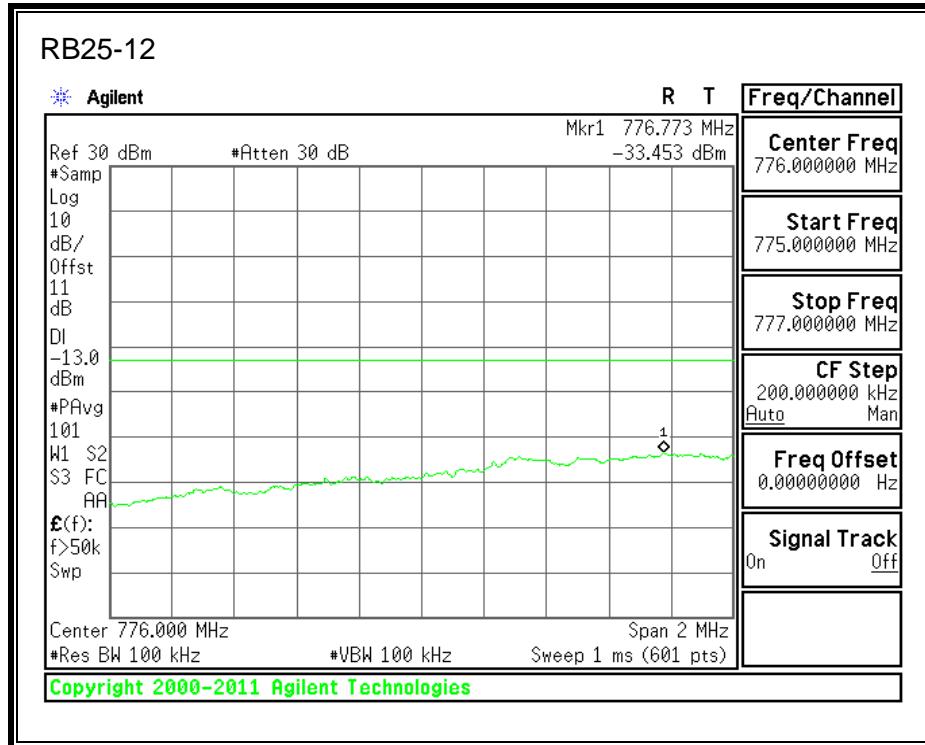
QPSK, 782MHz, 775 - 777MHz, (10MHz Bandwidth)



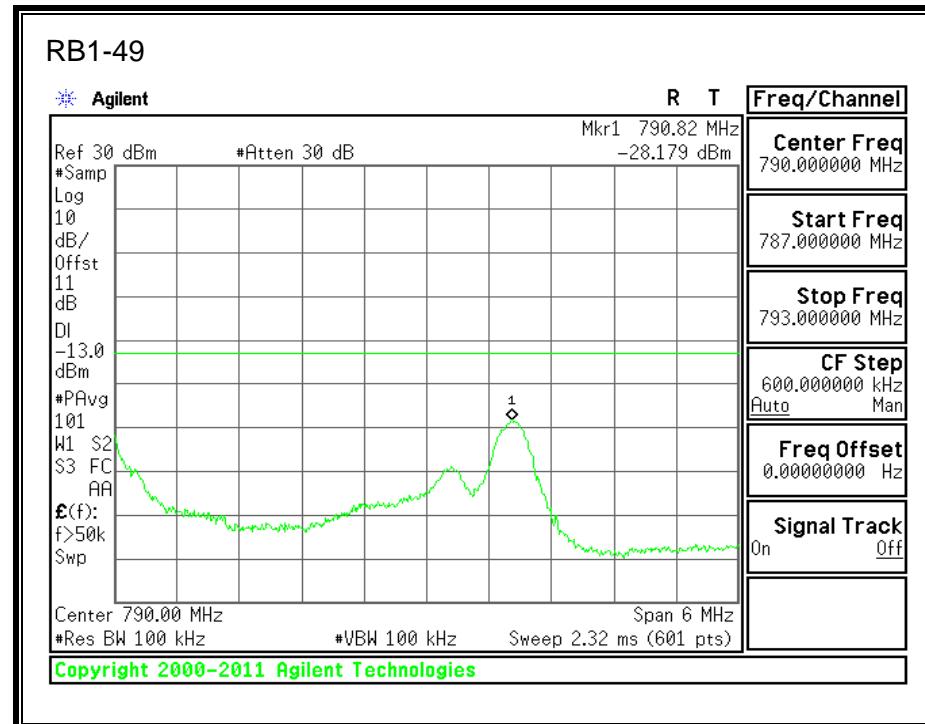
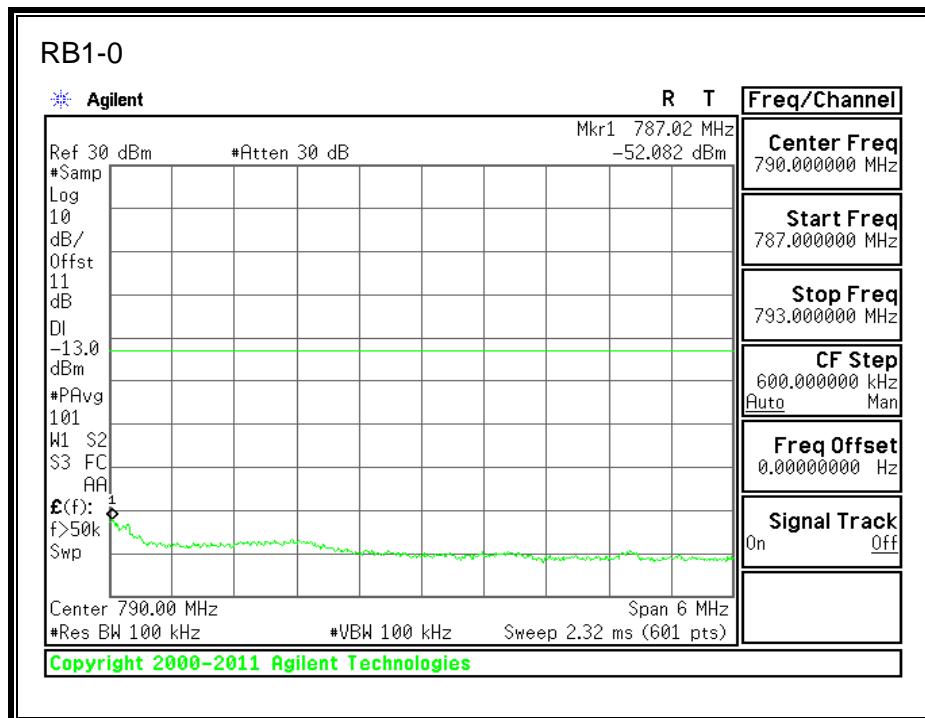


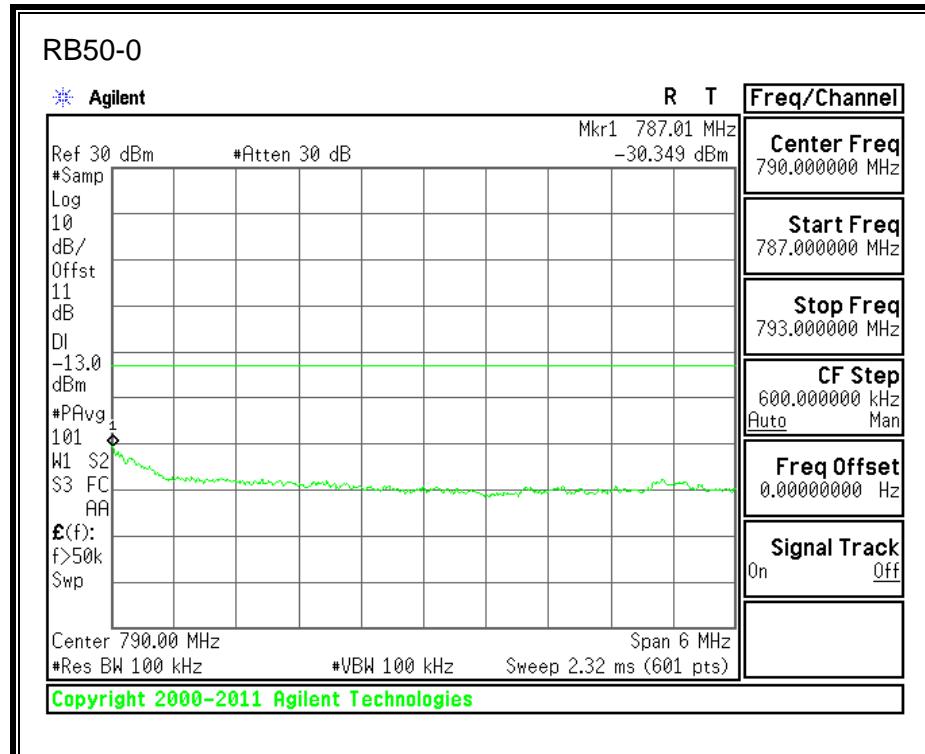
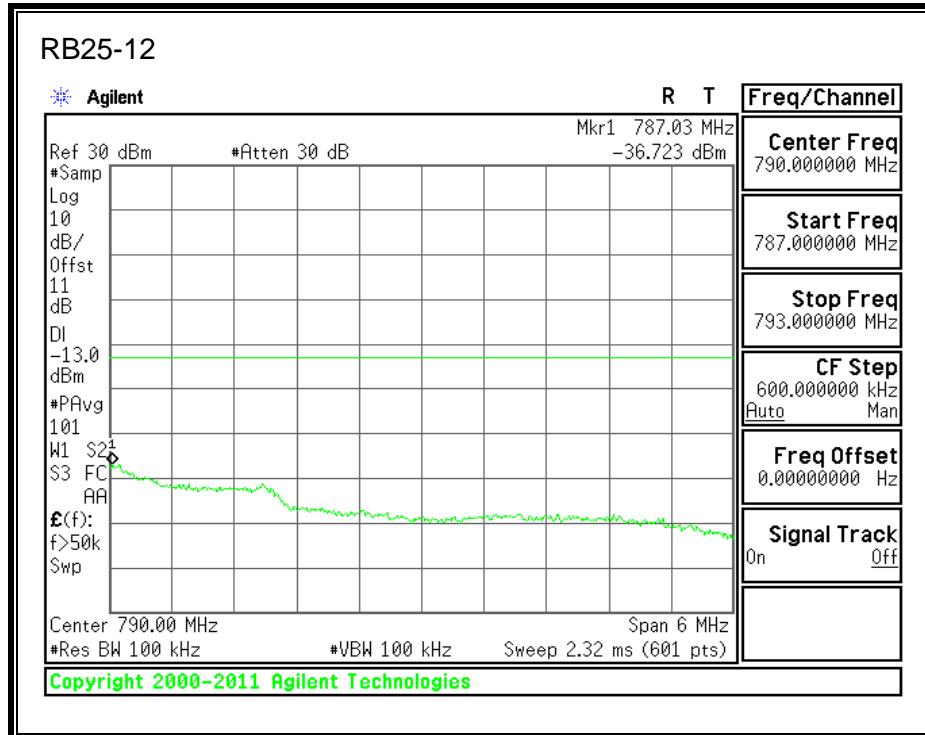
16QAM, 782MHz, 775 - 777MHz, (10MHz Bandwidth)



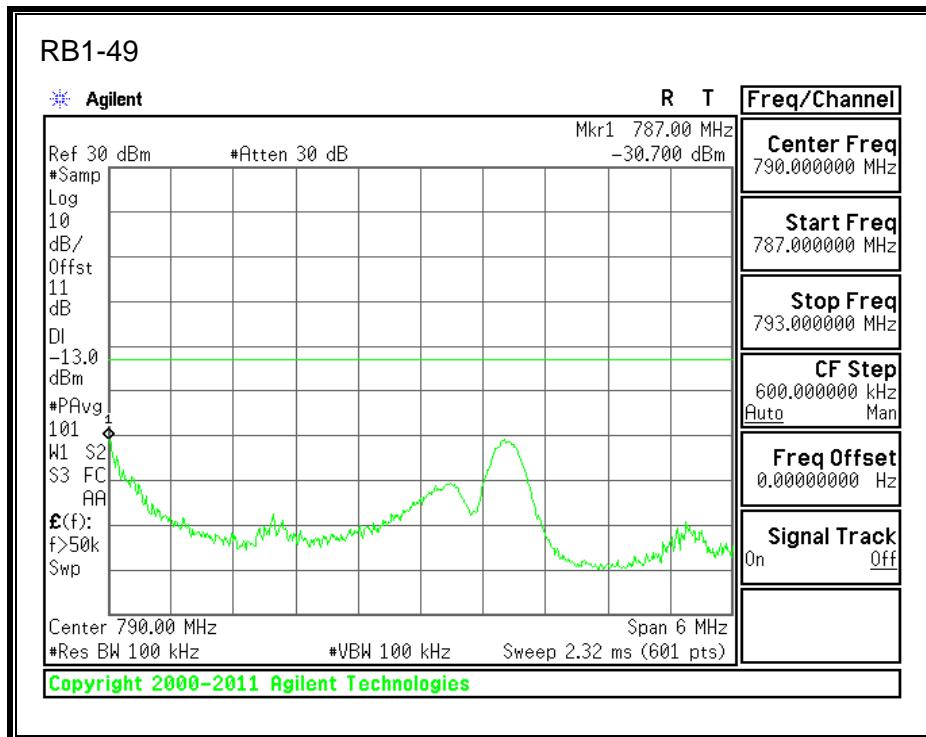
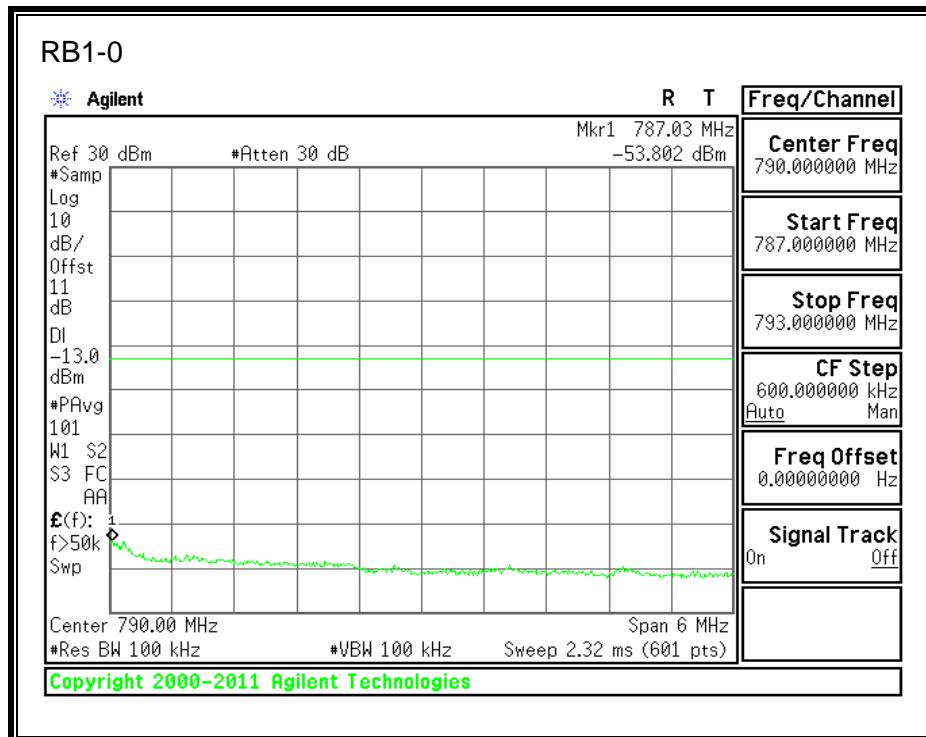


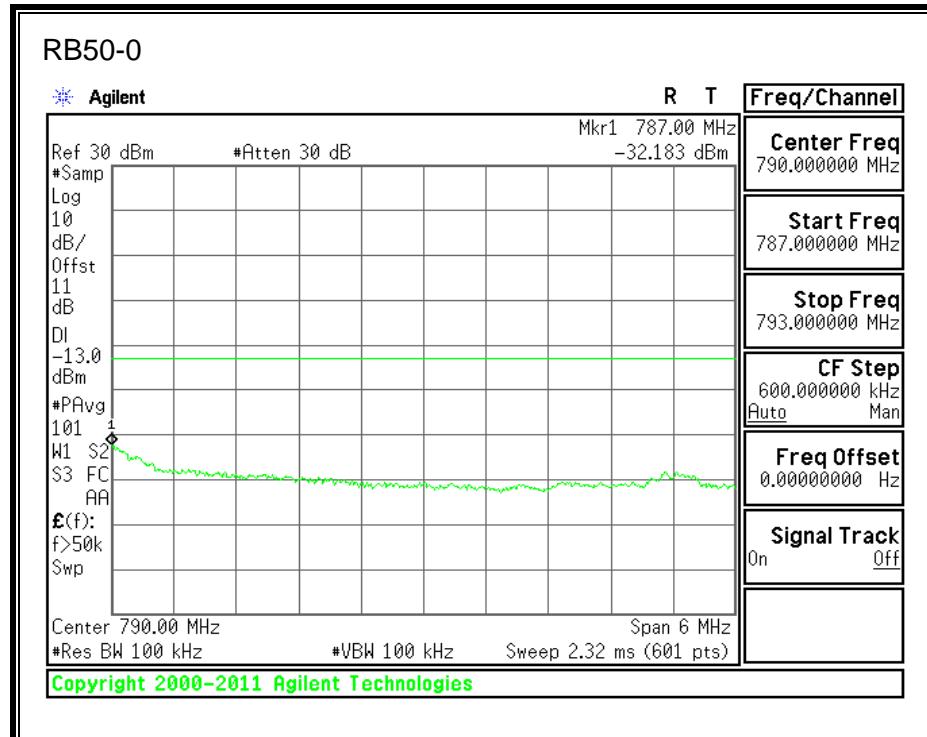
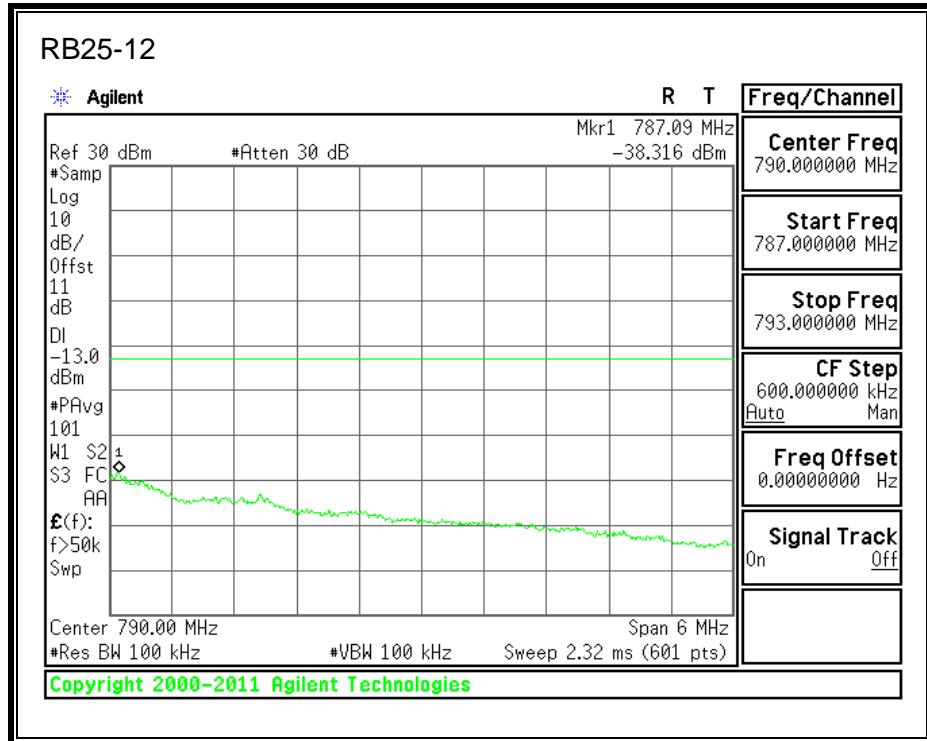
QPSK, 782MHz, 787 - 793MHz, (10MHz Bandwidth)



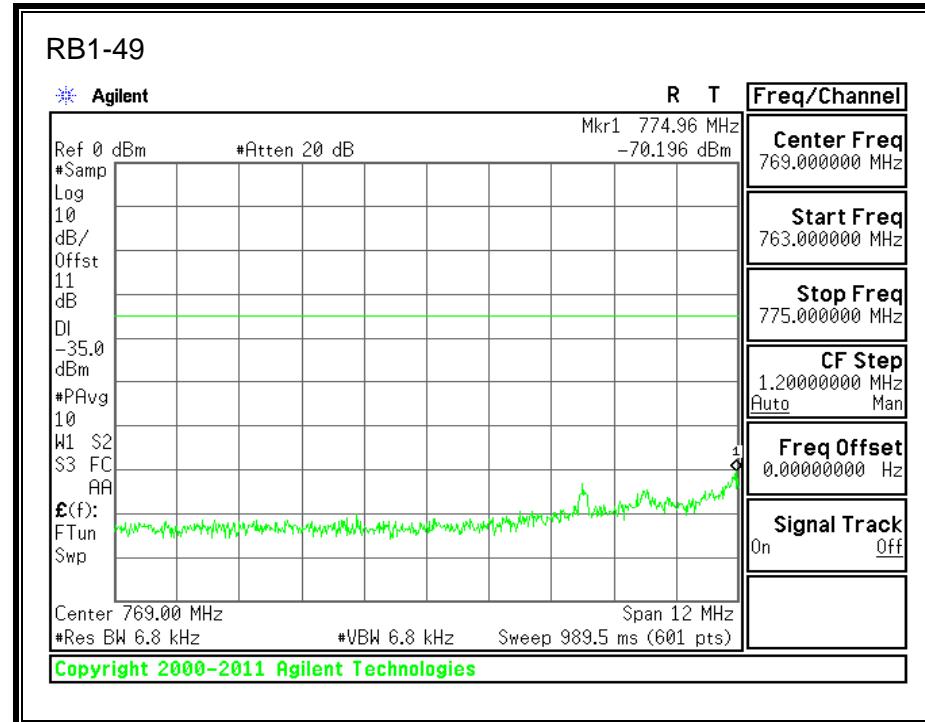
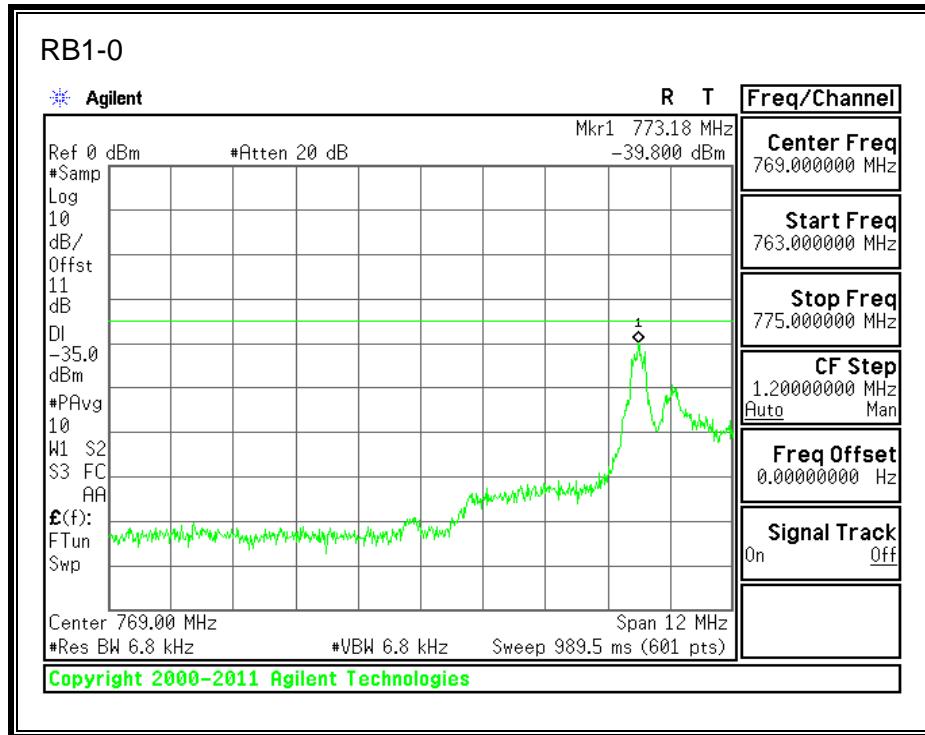


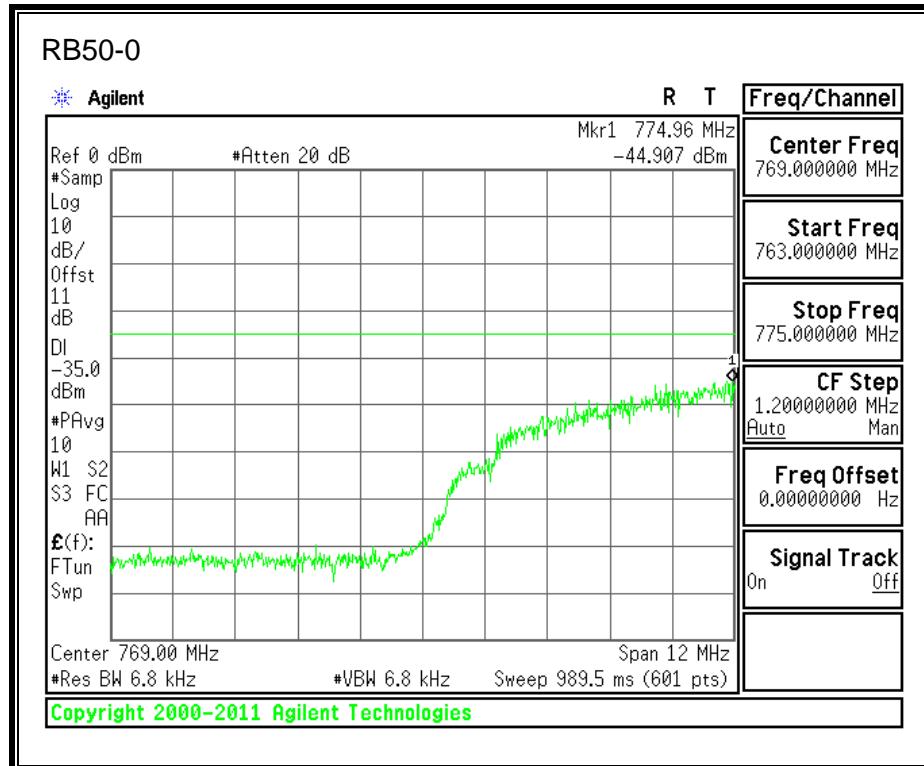
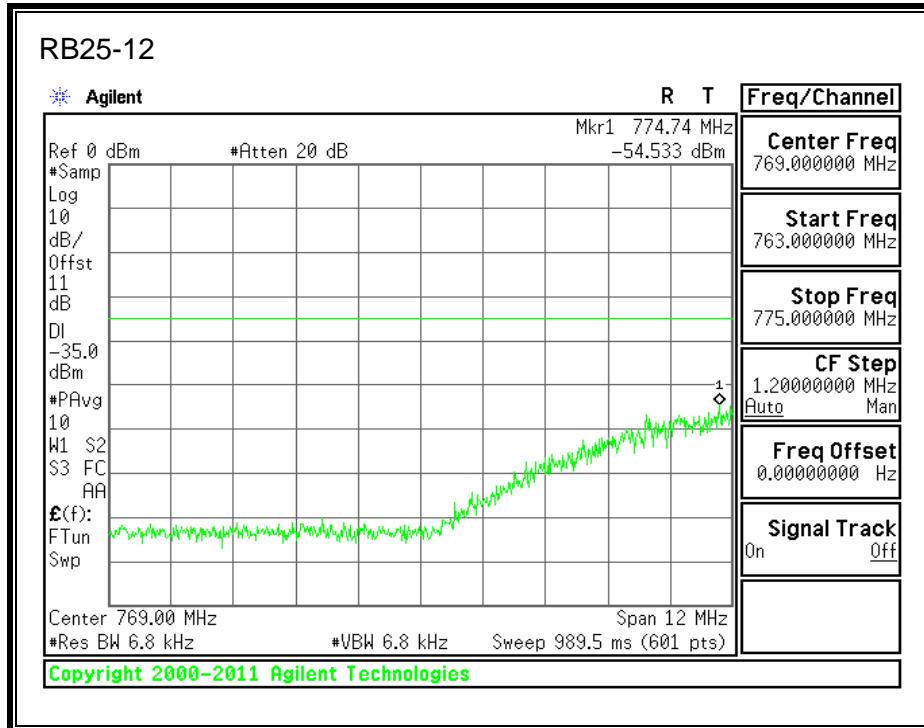
16QAM, 782MHz, 787 - 793MHz, (10MHz Bandwidth)



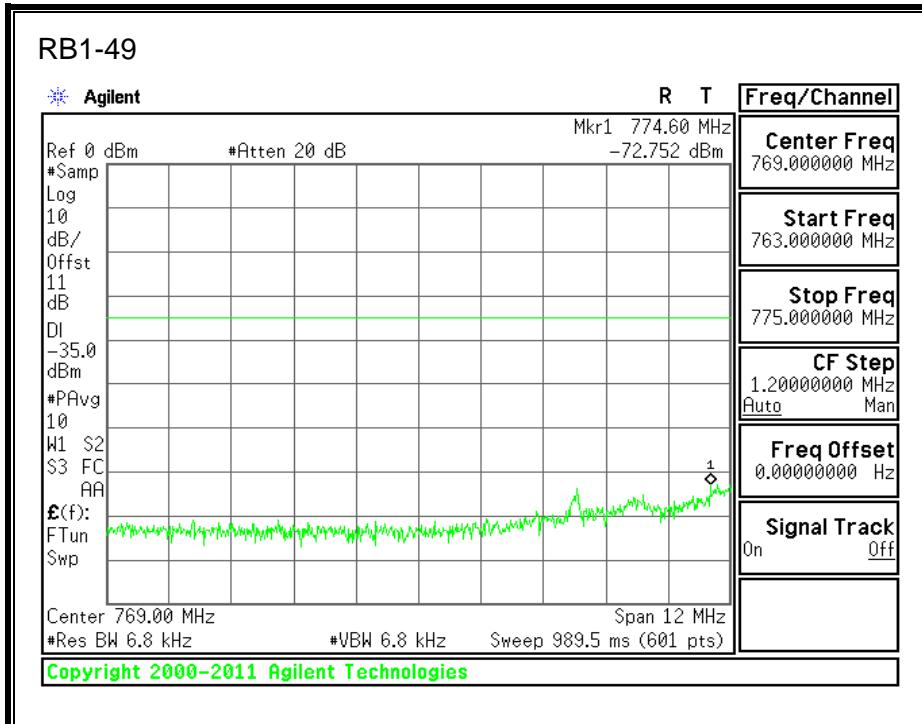
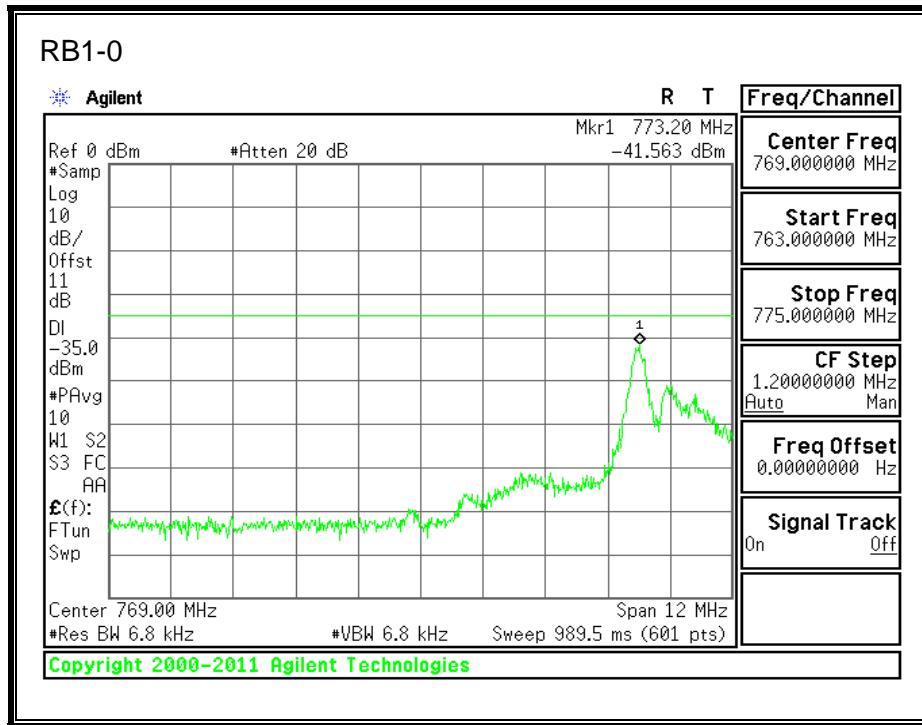


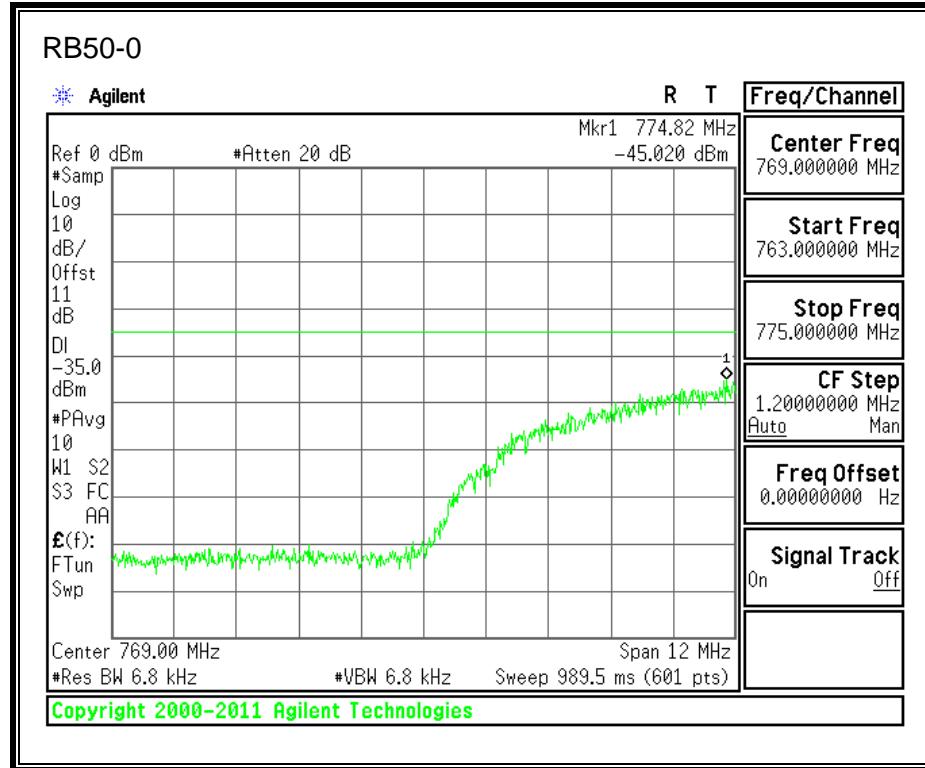
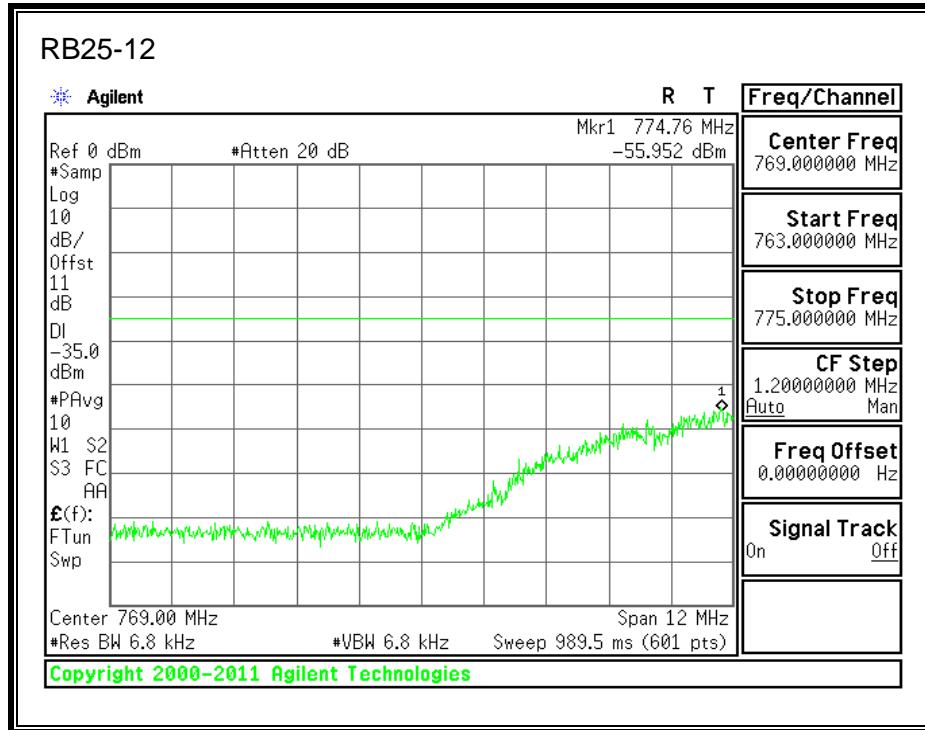
QPSK, 782MHz, 763 - 775MHz, (10MHz Bandwidth)



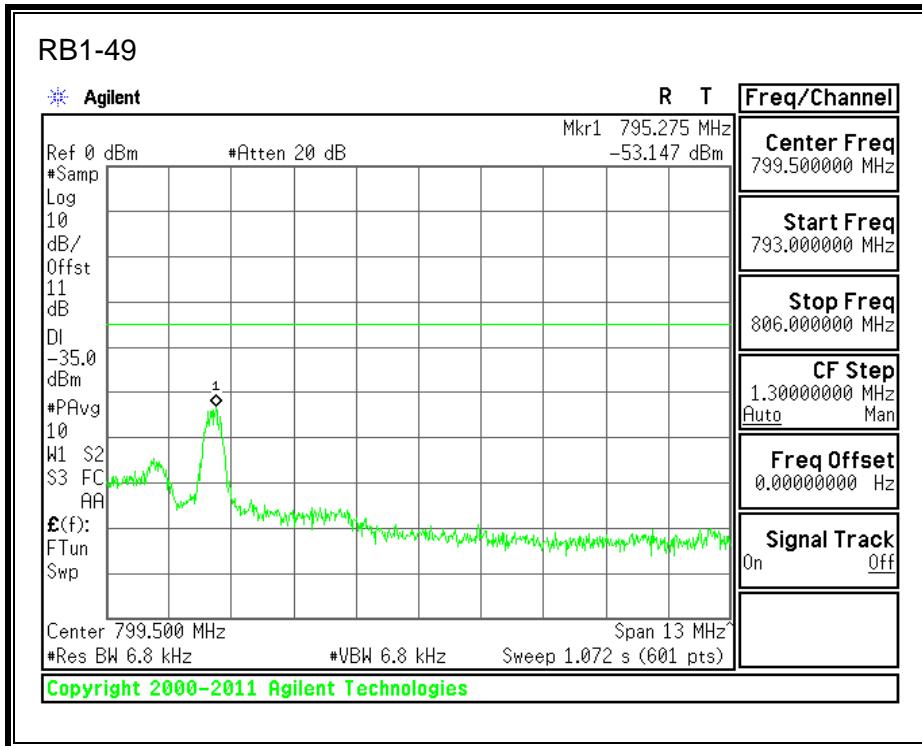
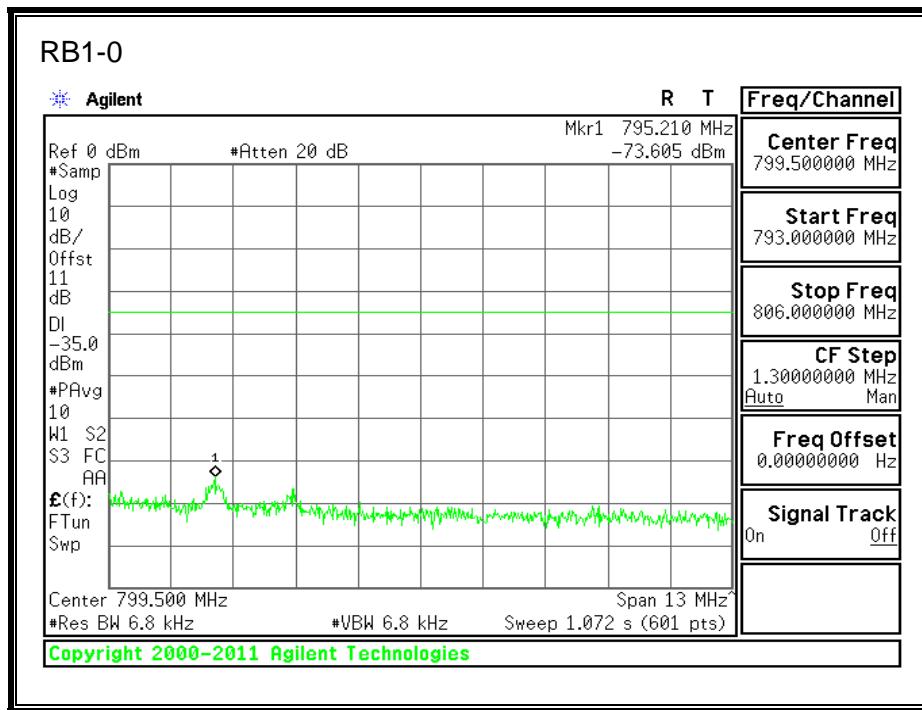


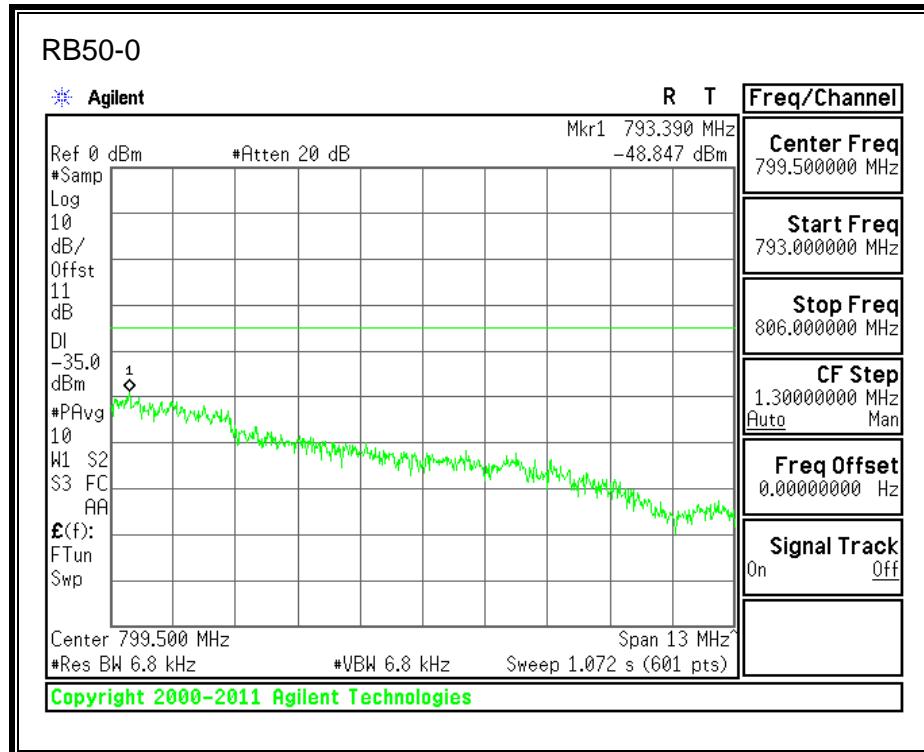
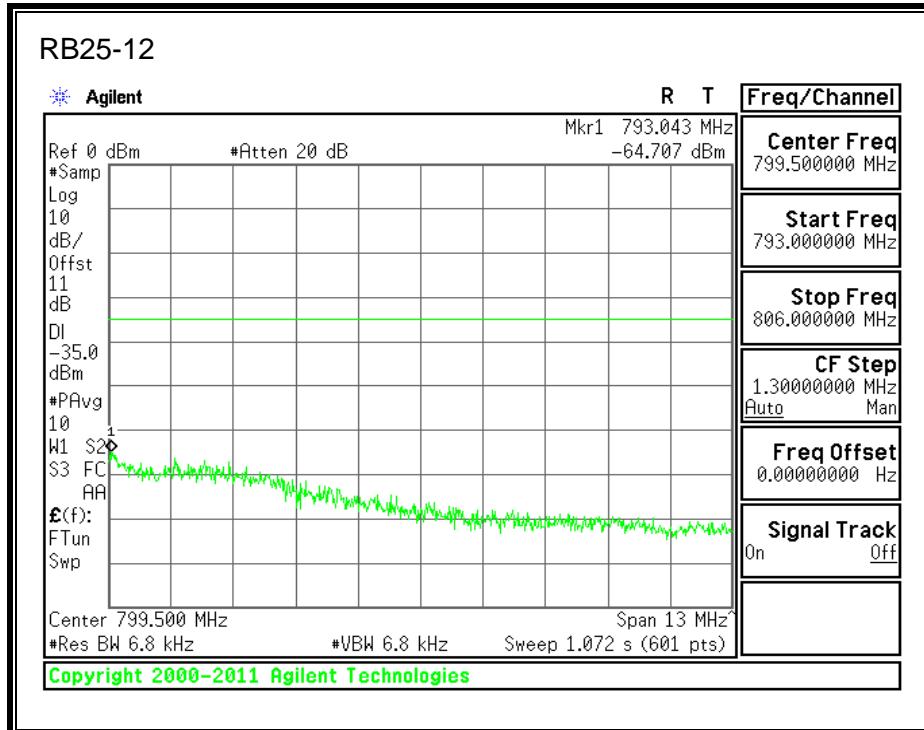
16QAM, 782MHz, 763 - 775MHz, (10MHz Bandwidth)



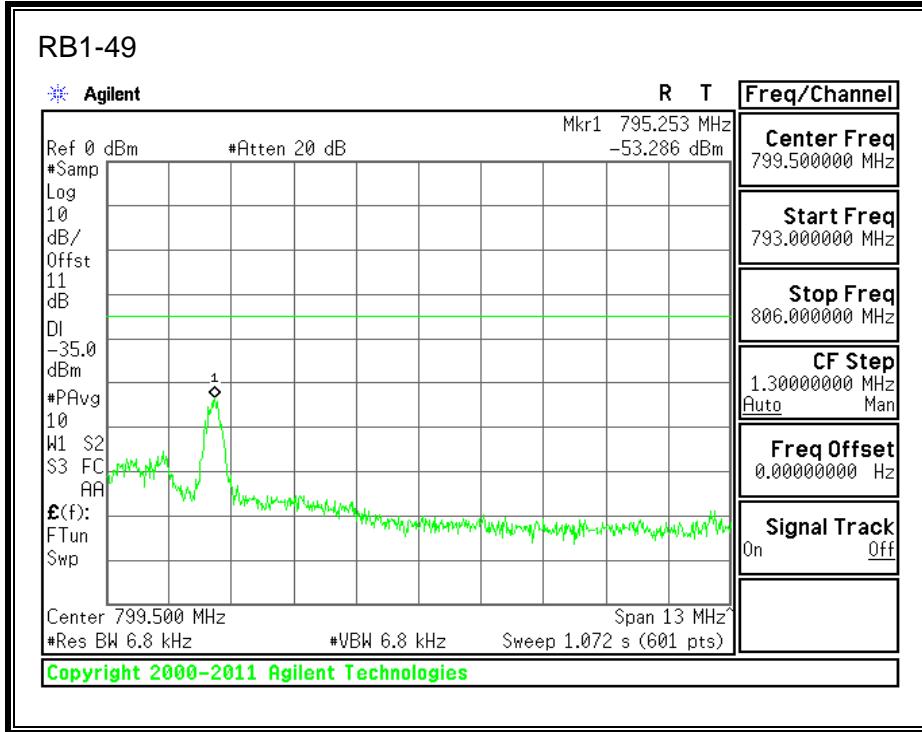
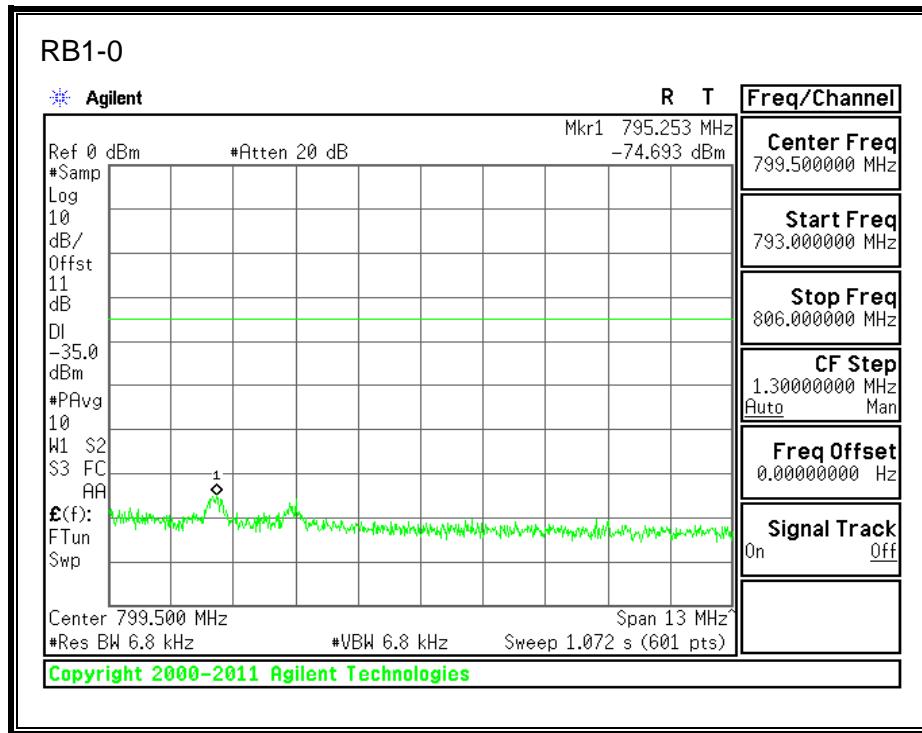


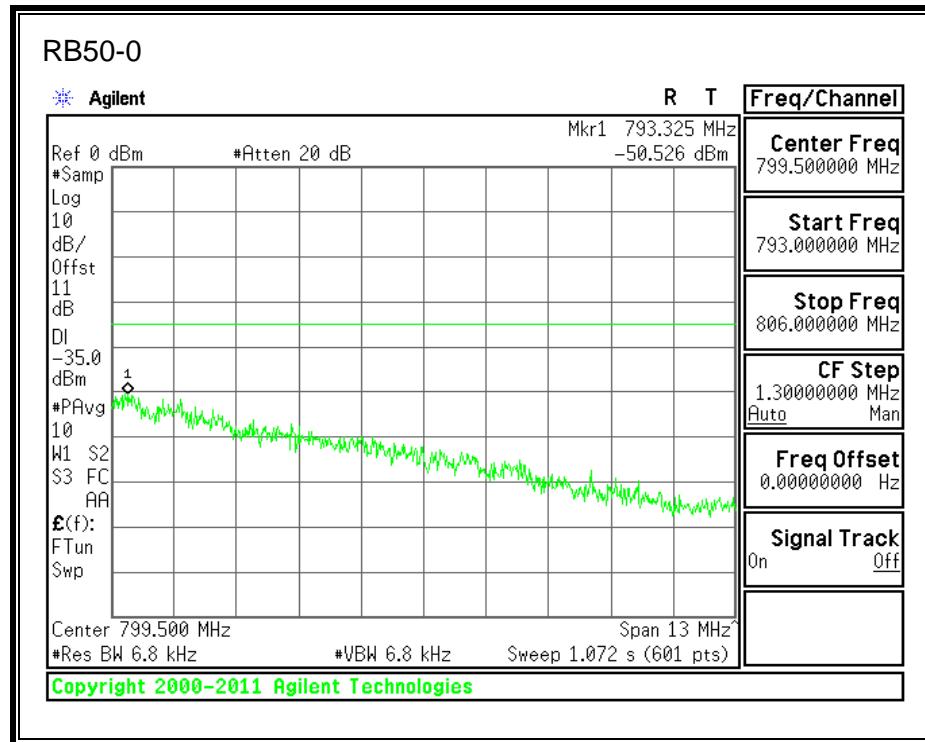
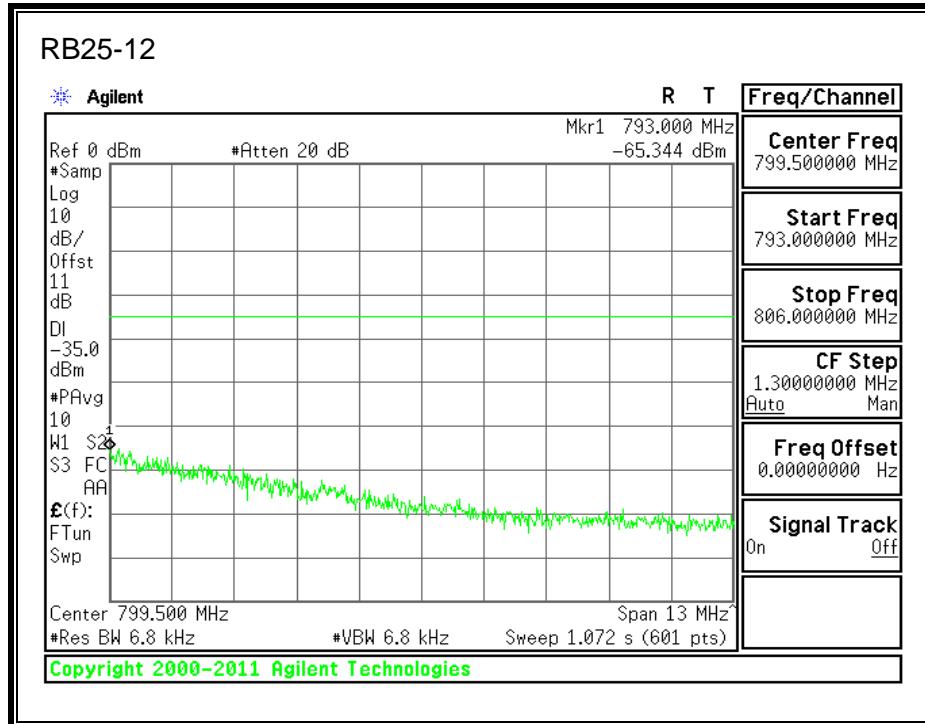
QPSK, 782MHz, 793 - 806MHz, (10MHz Bandwidth)





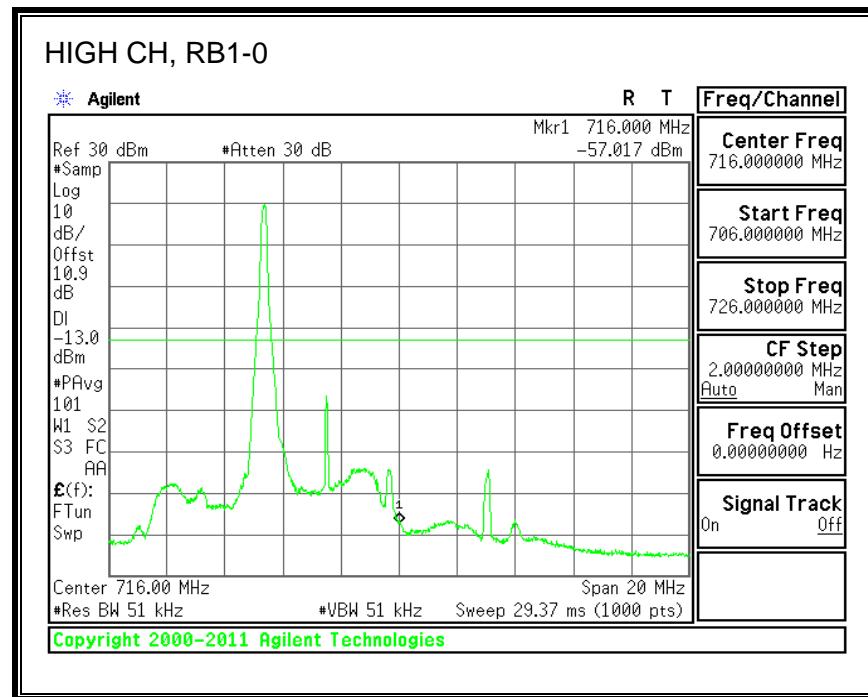
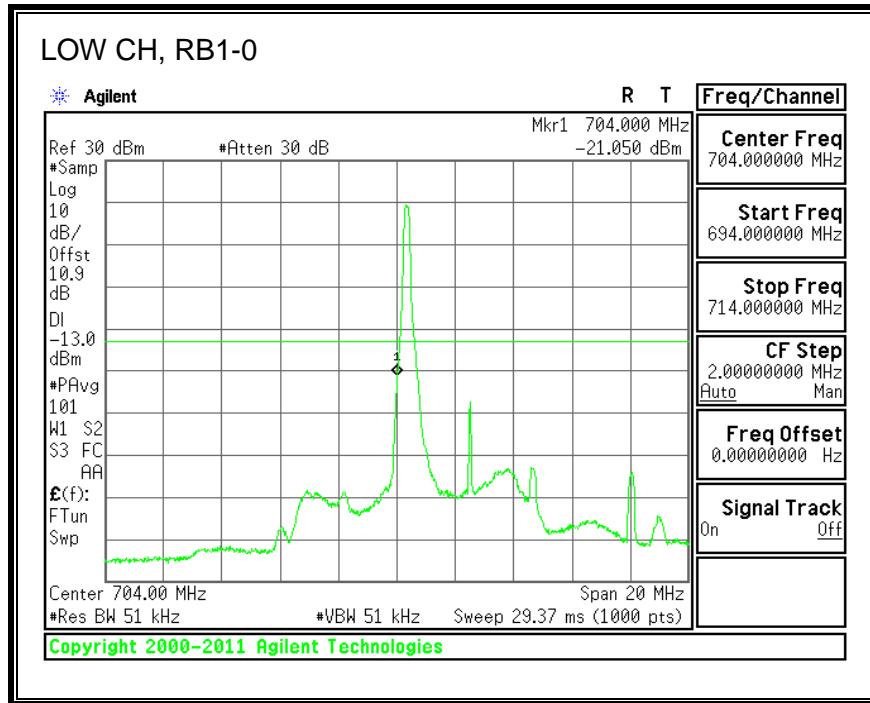
16QAM, 782MHz, 793 - 806MHz, (10MHz Bandwidth)

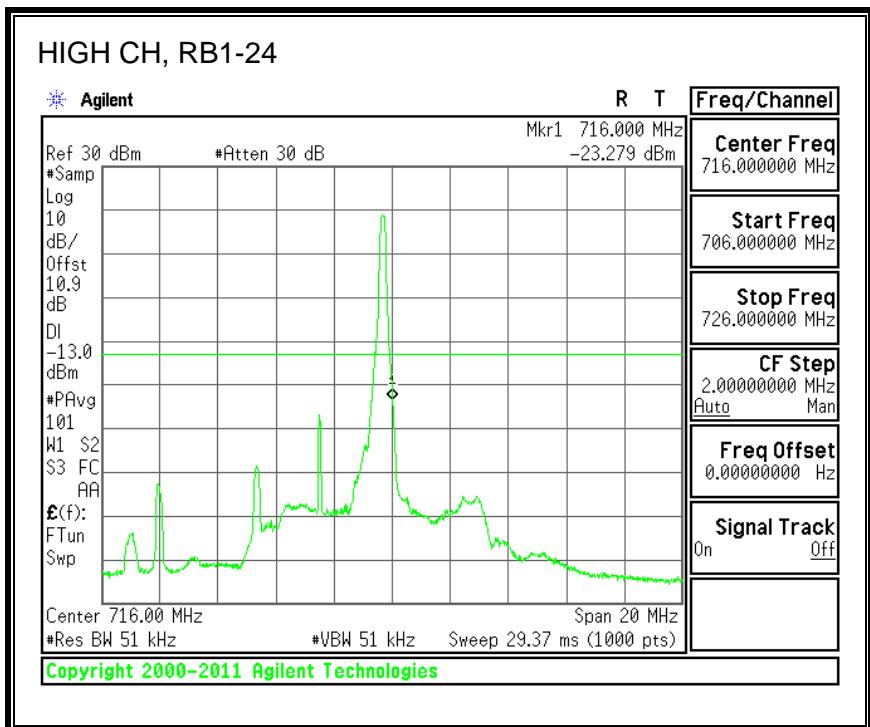
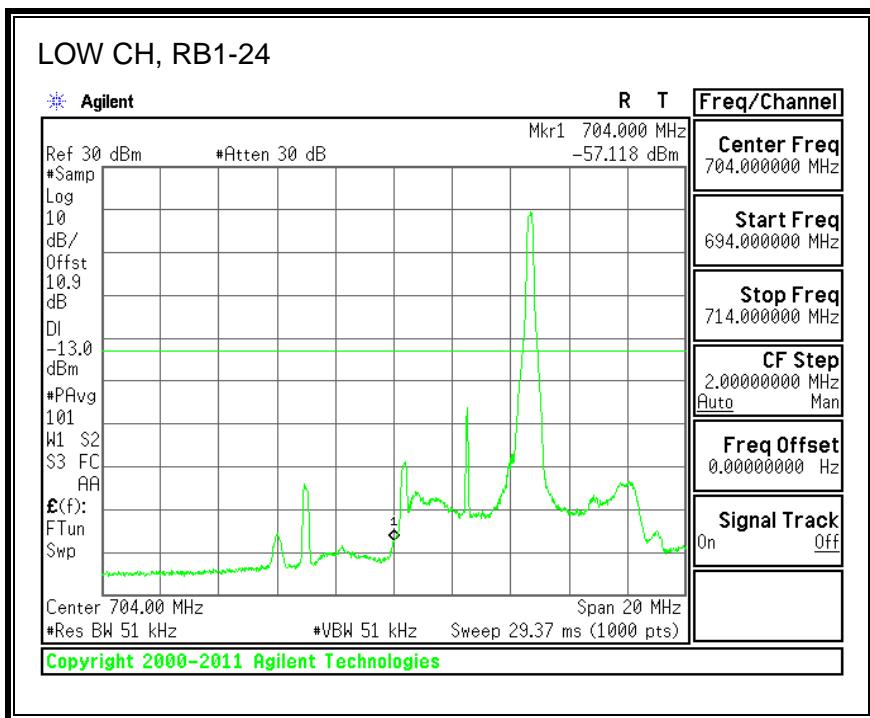


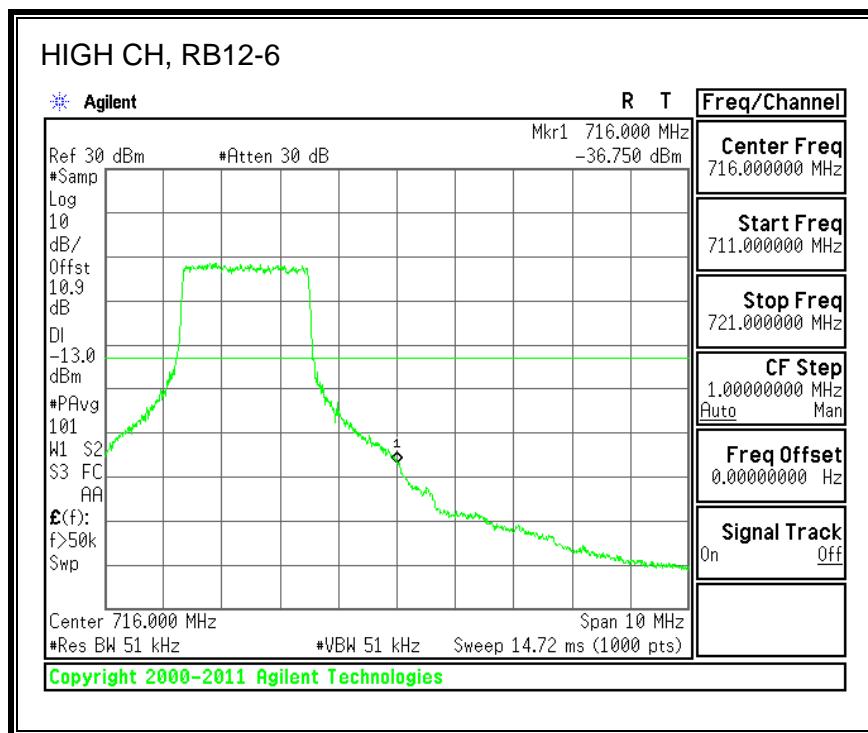
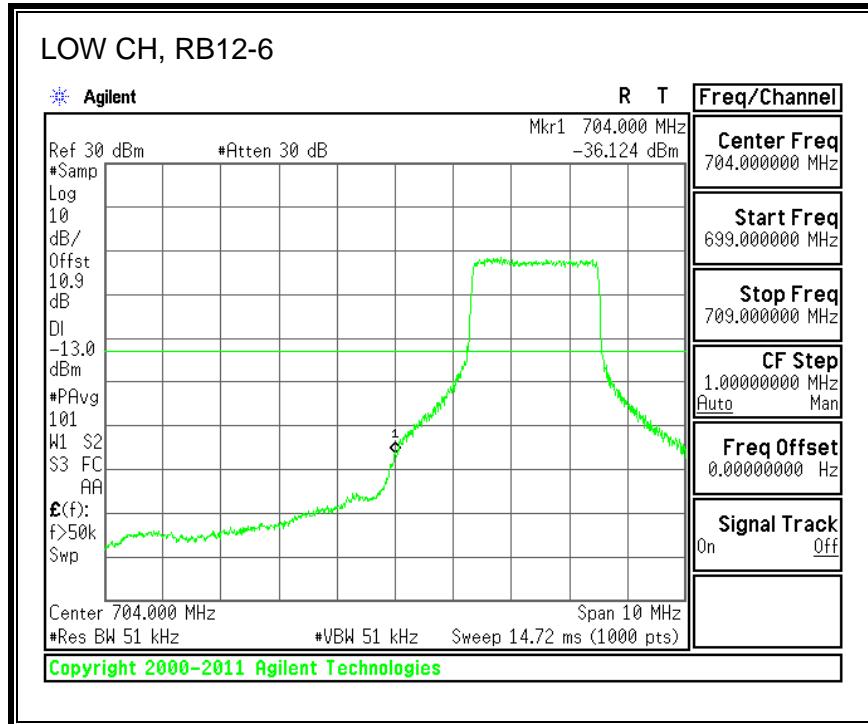


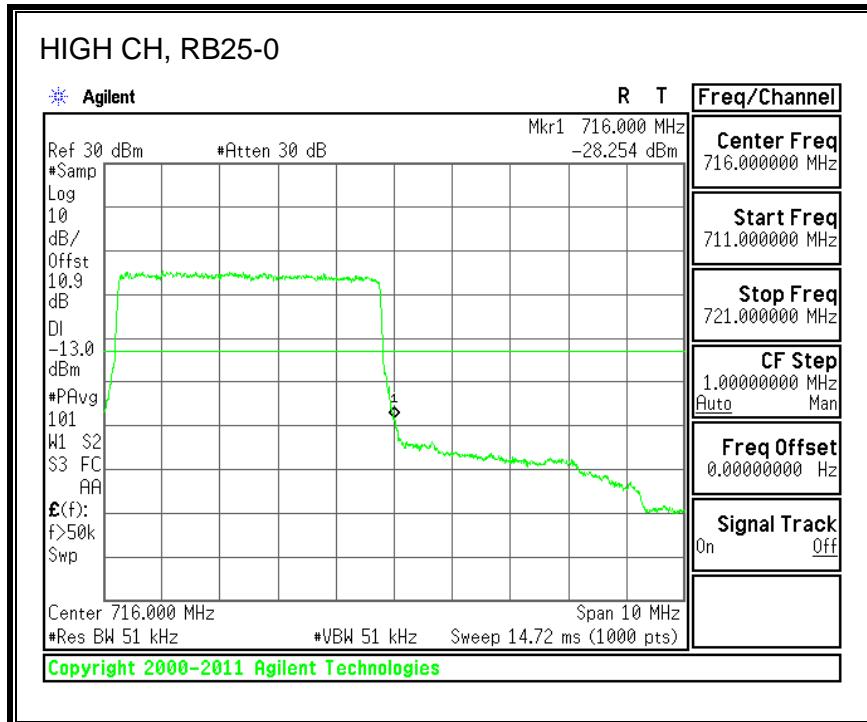
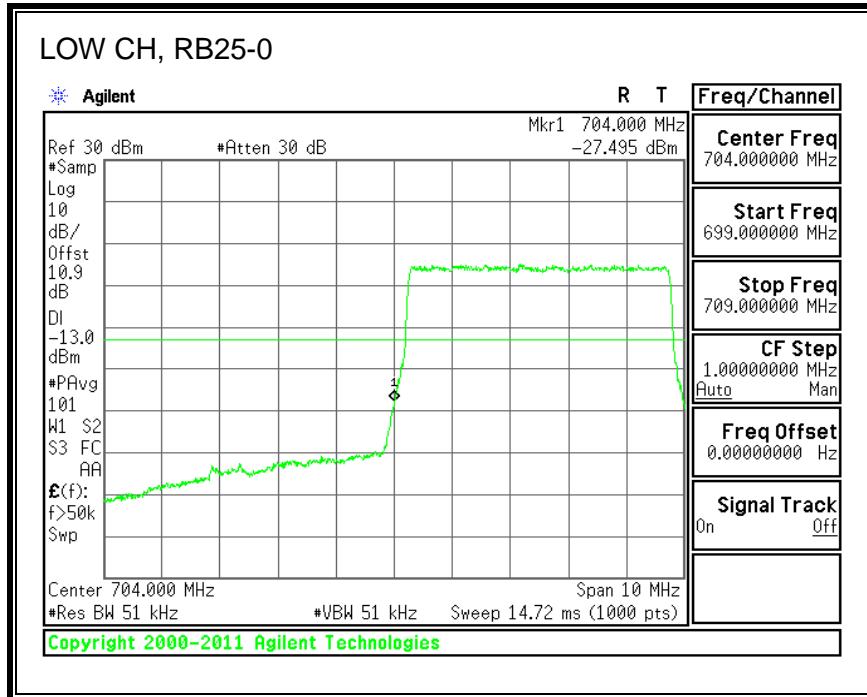
8.2.6. LTE BAND 17 BANDEDGE

QPSK, (5.0 MHz BAND WIDTH)

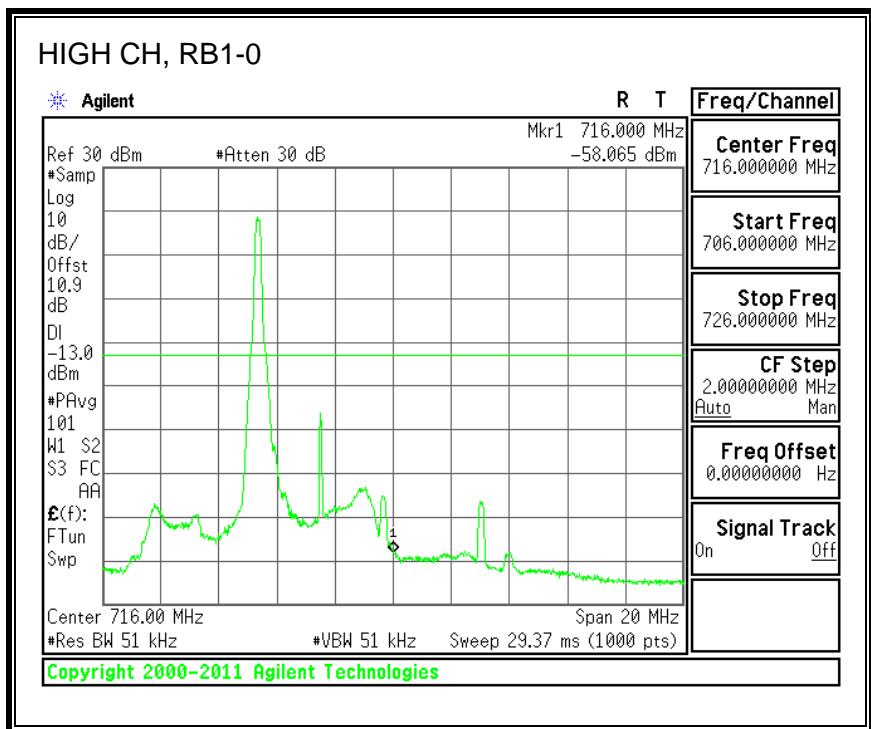
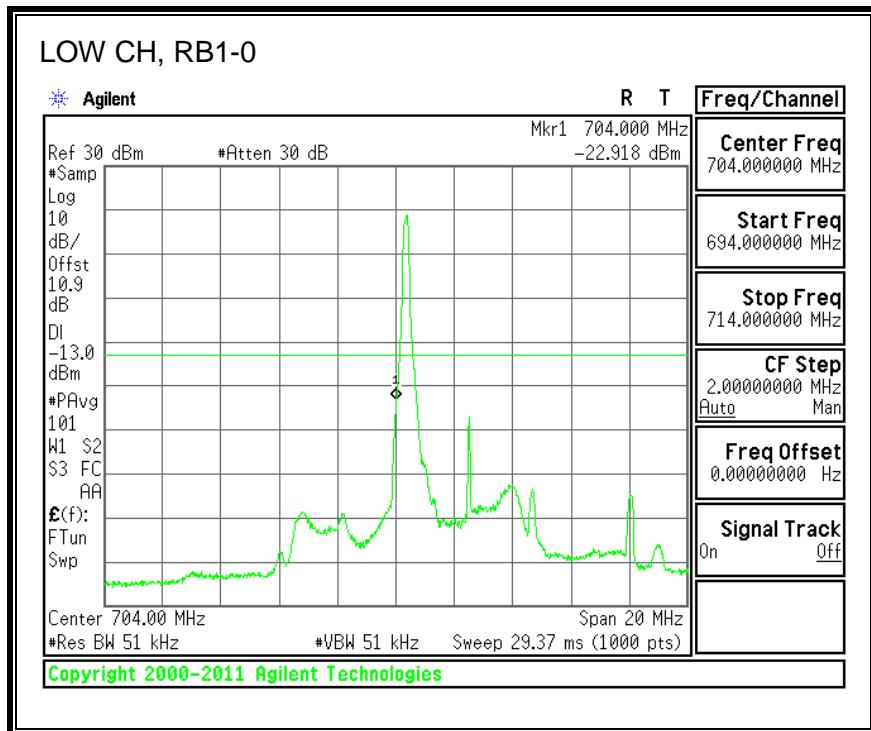


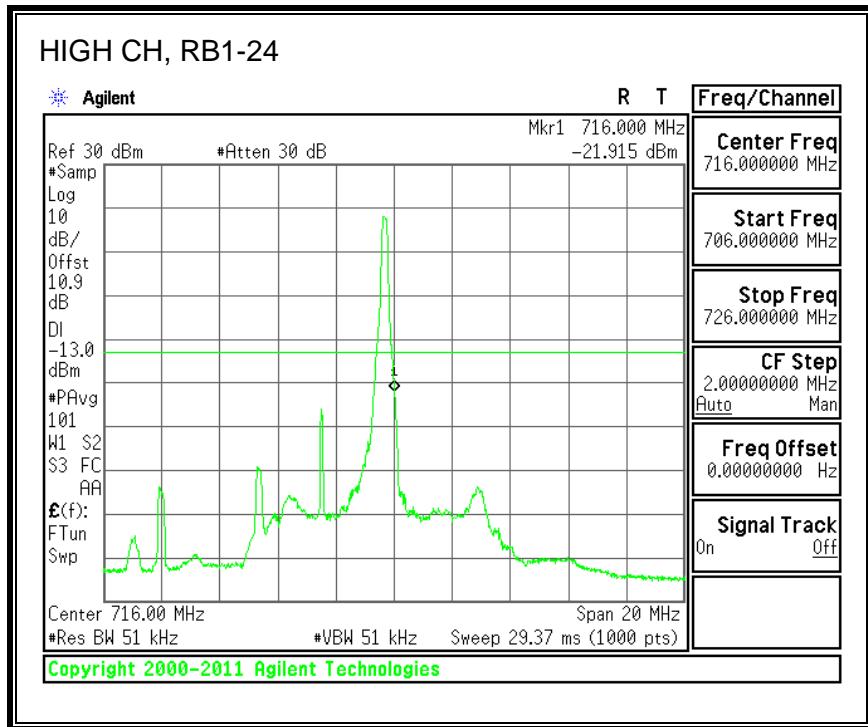
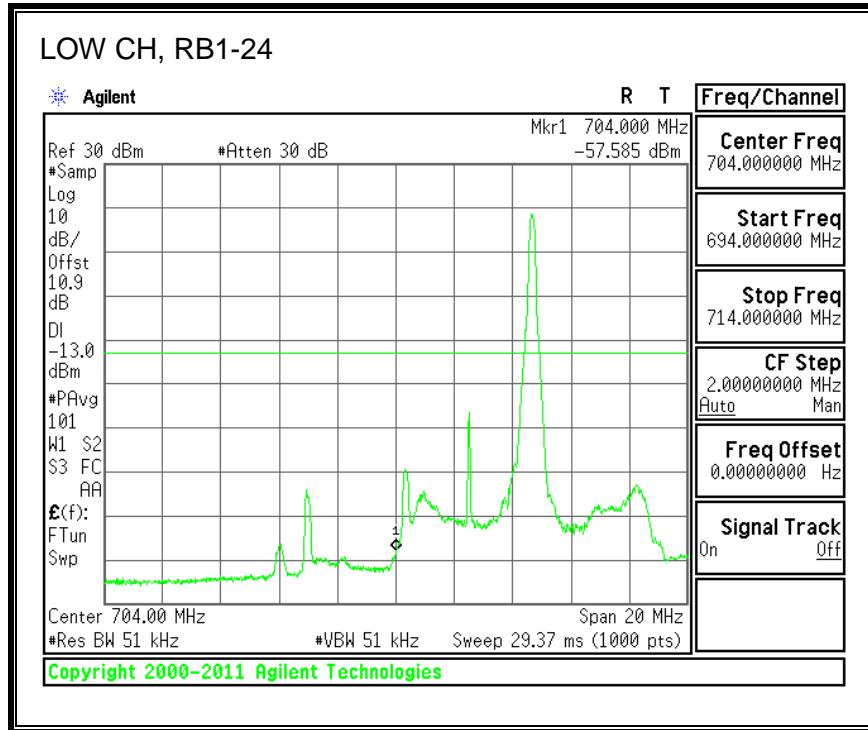


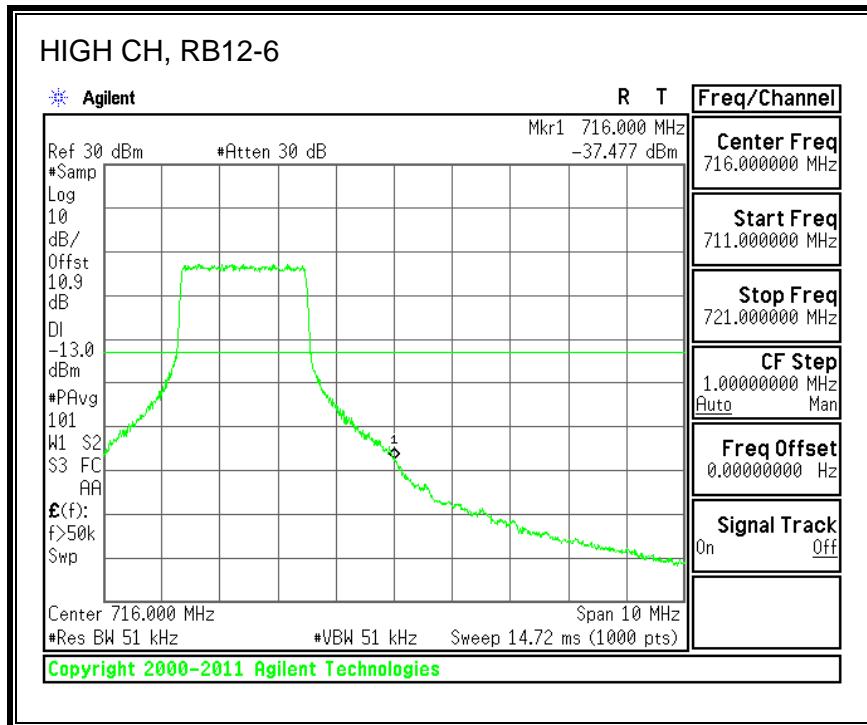
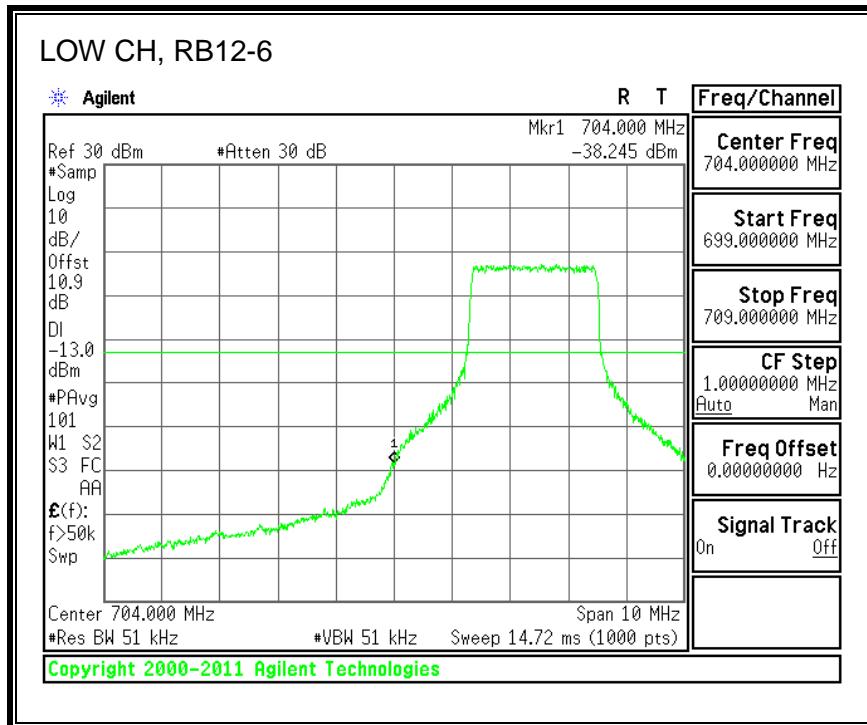


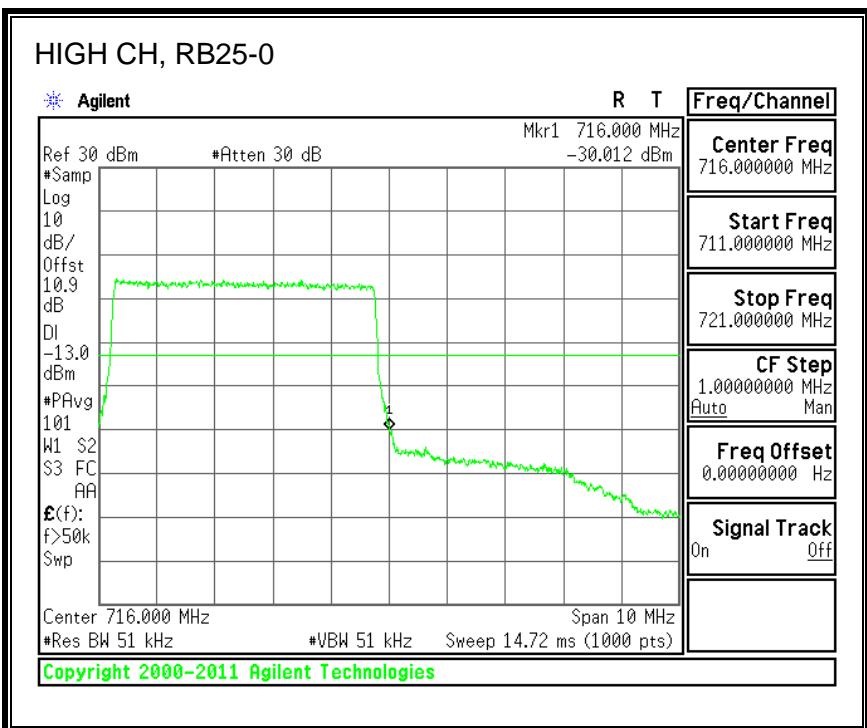
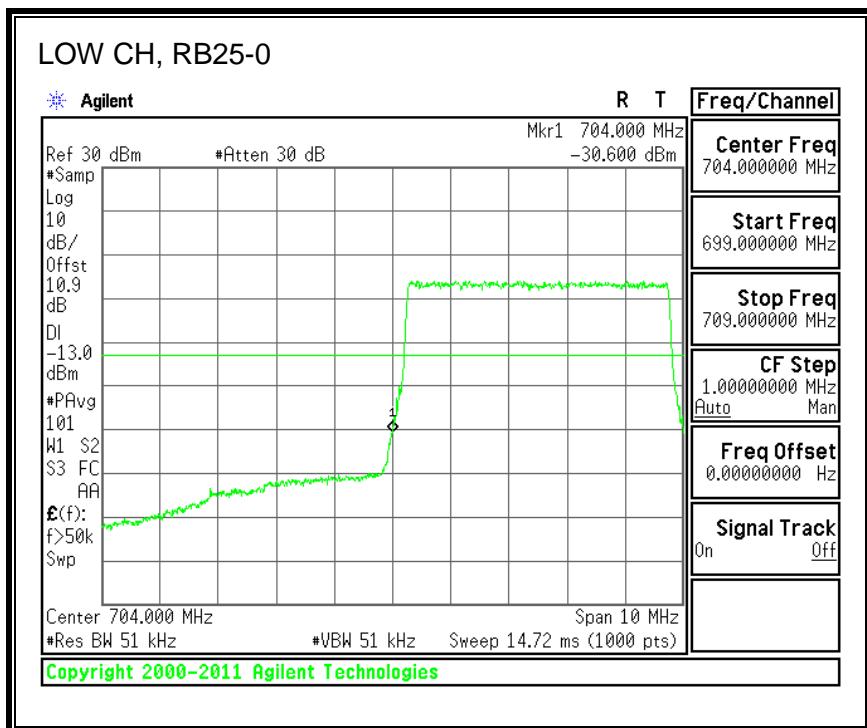


16QAM, (5.0 MHz BAND WIDTH)

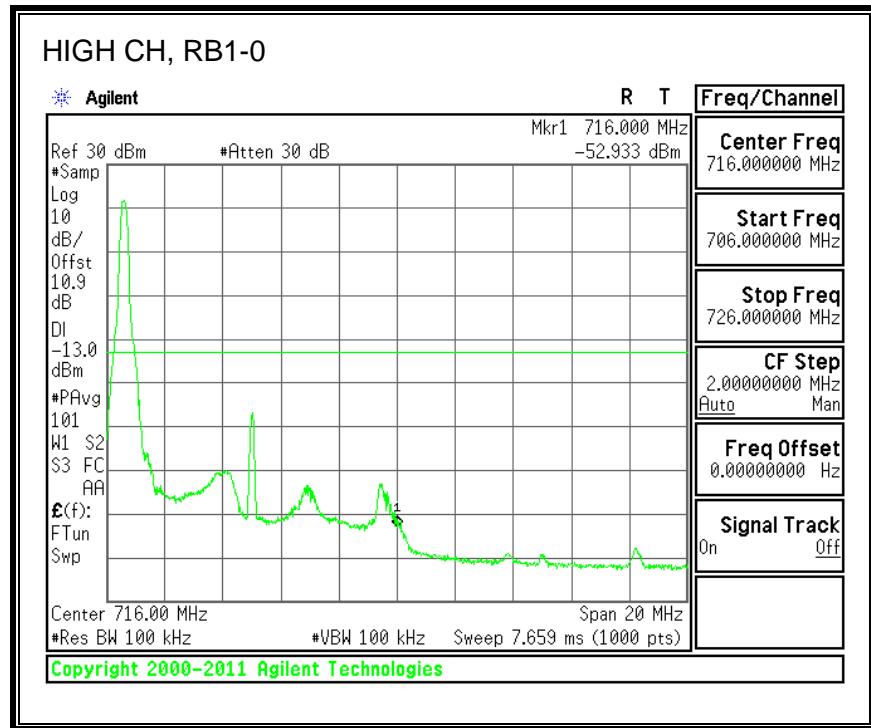
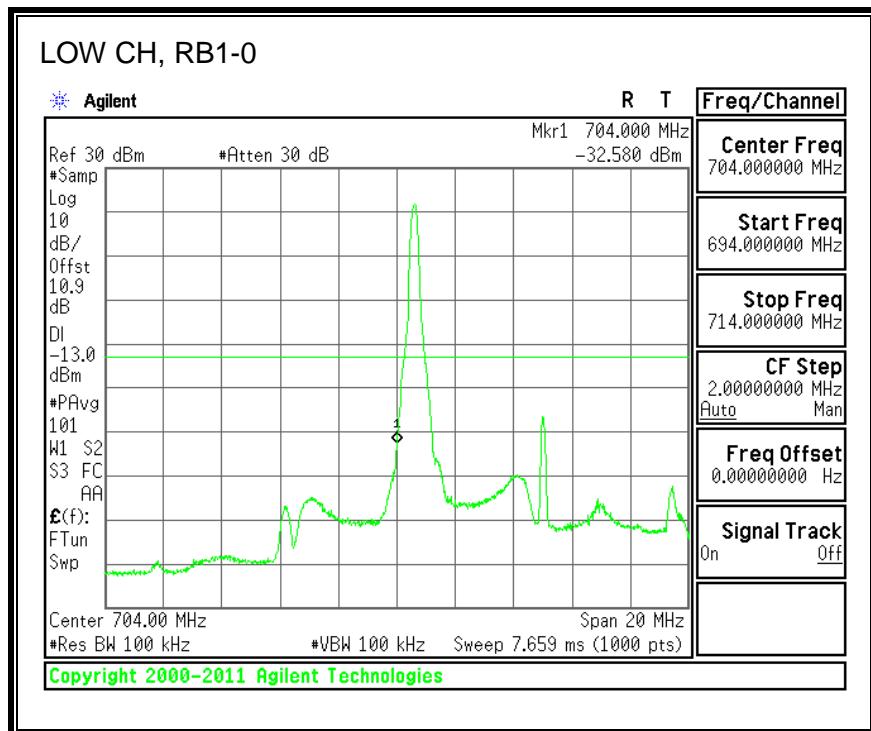


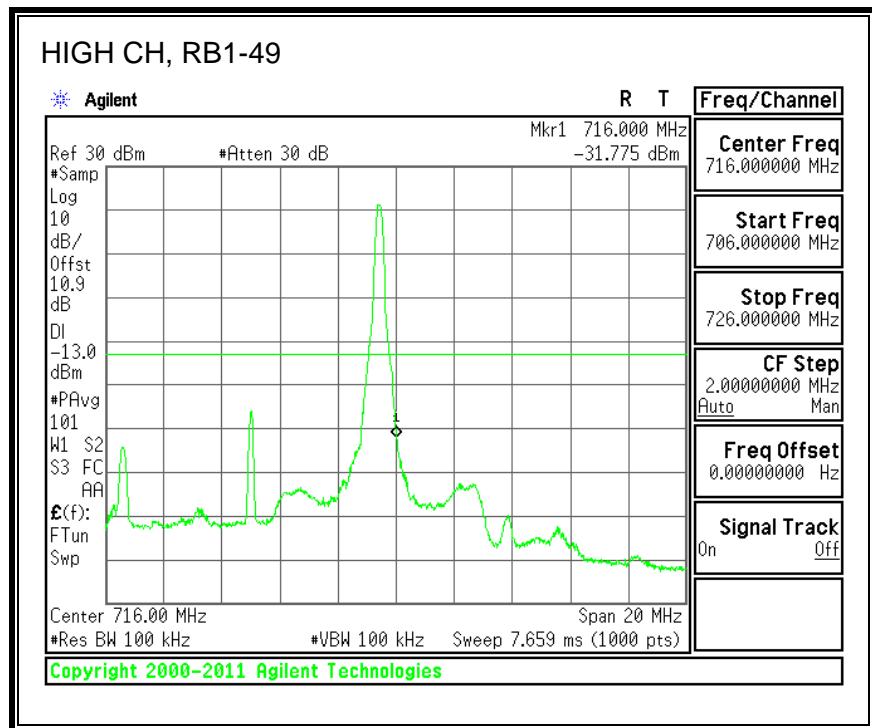
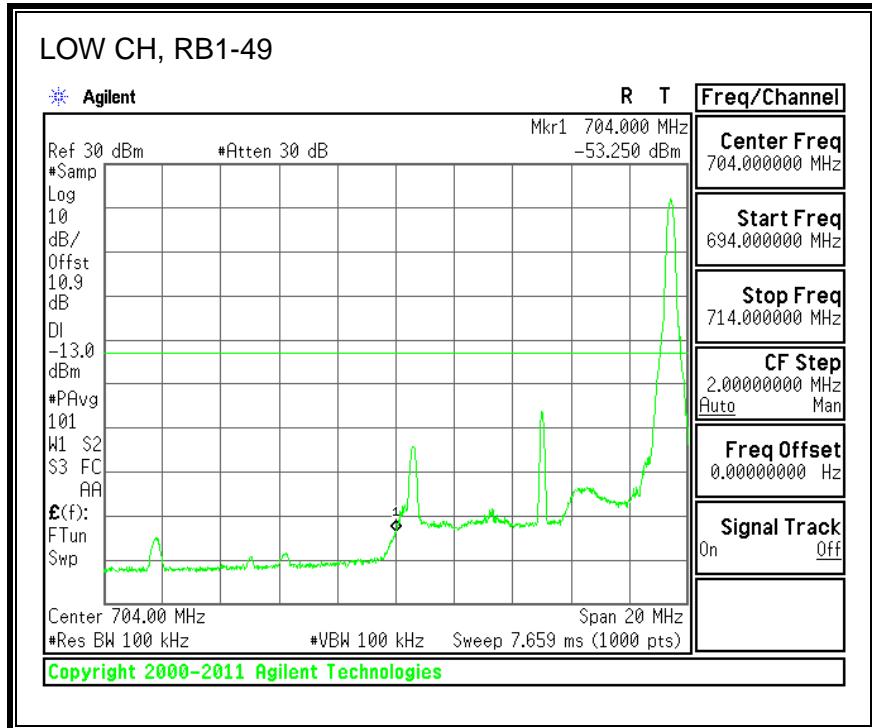


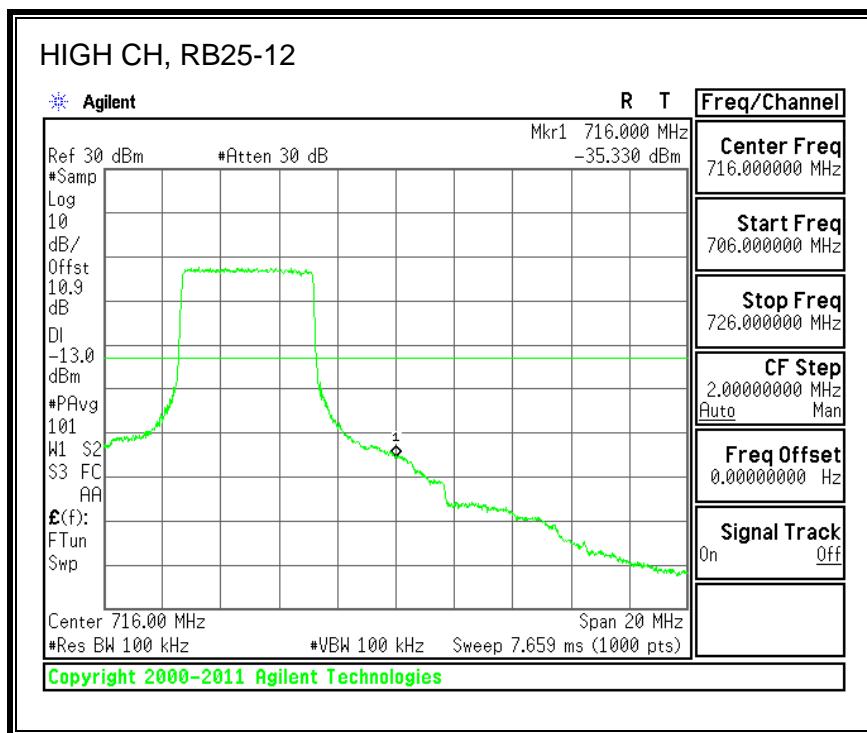
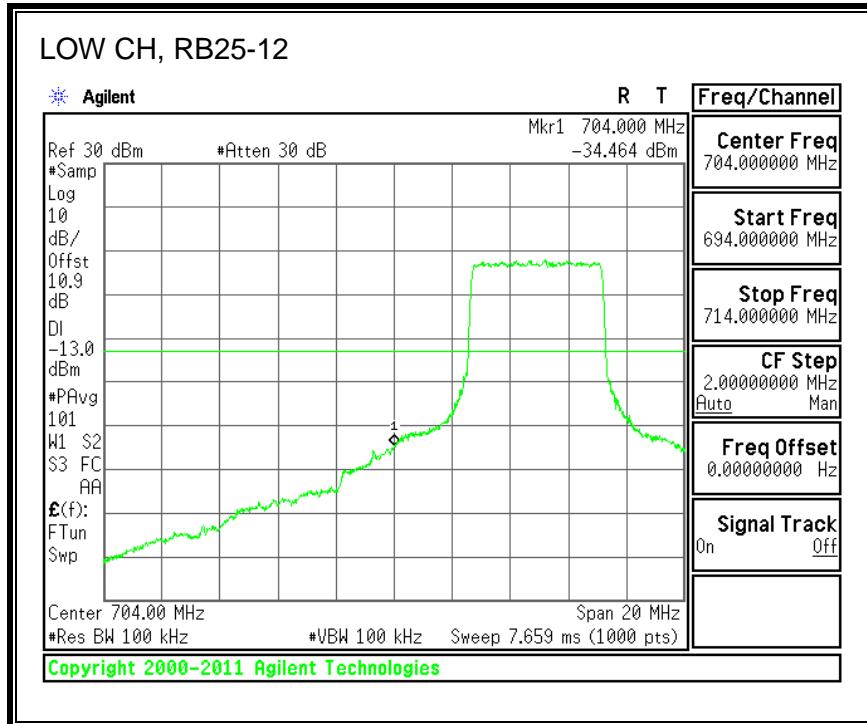


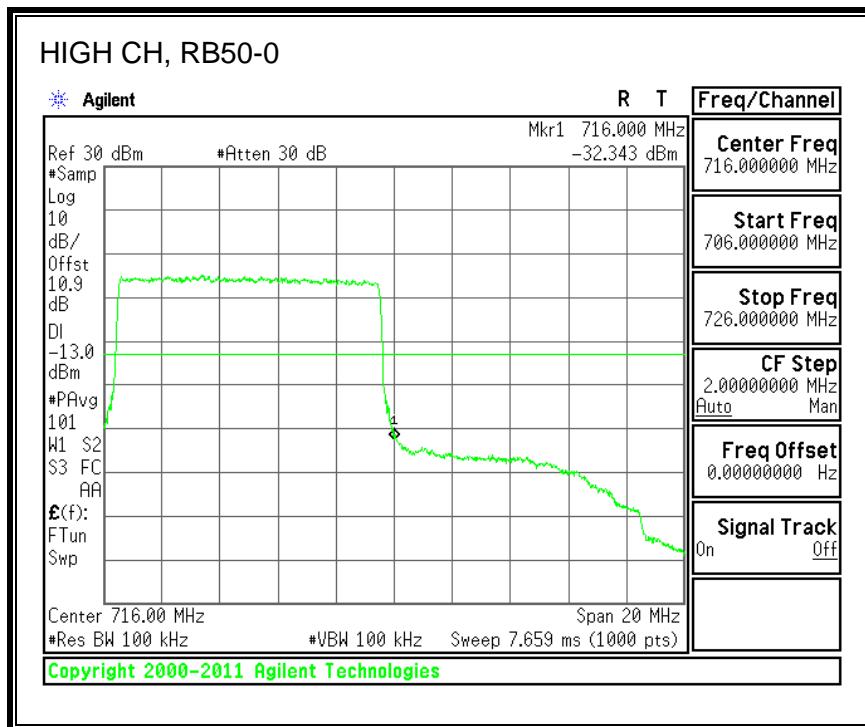
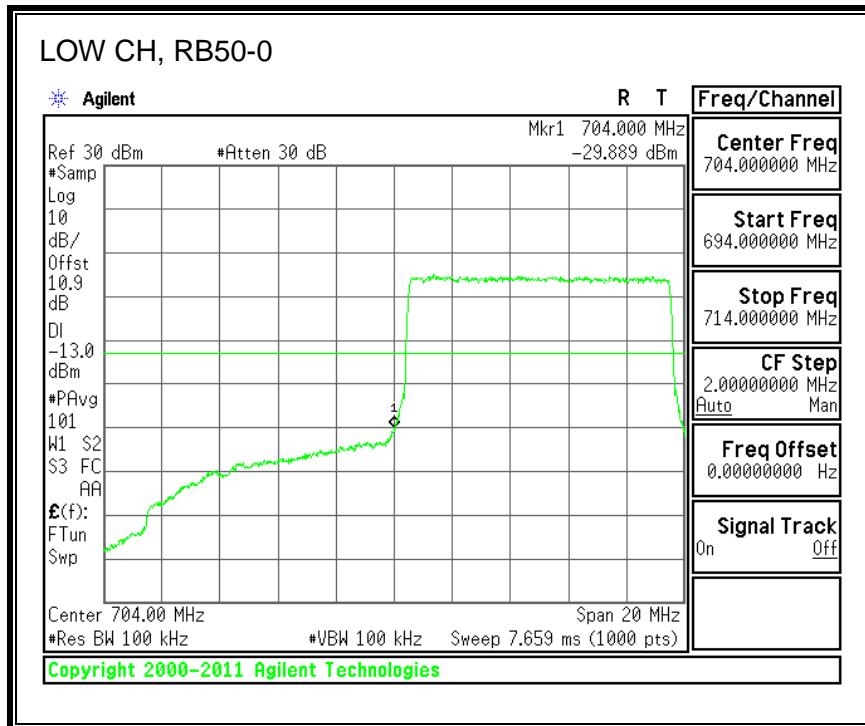


QPSK, (10.0 MHz BAND WIDTH)

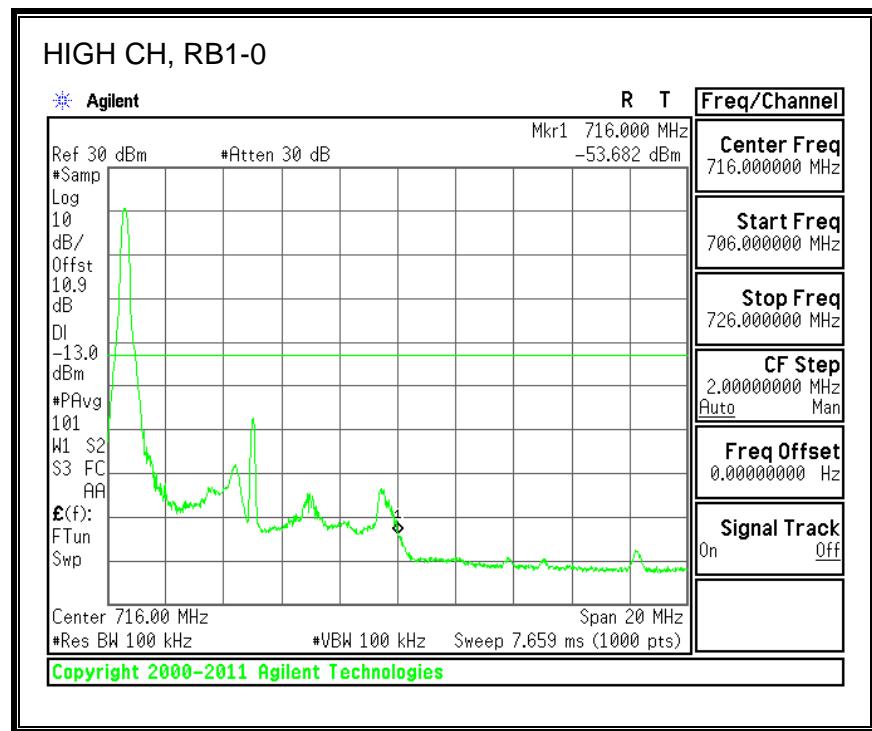
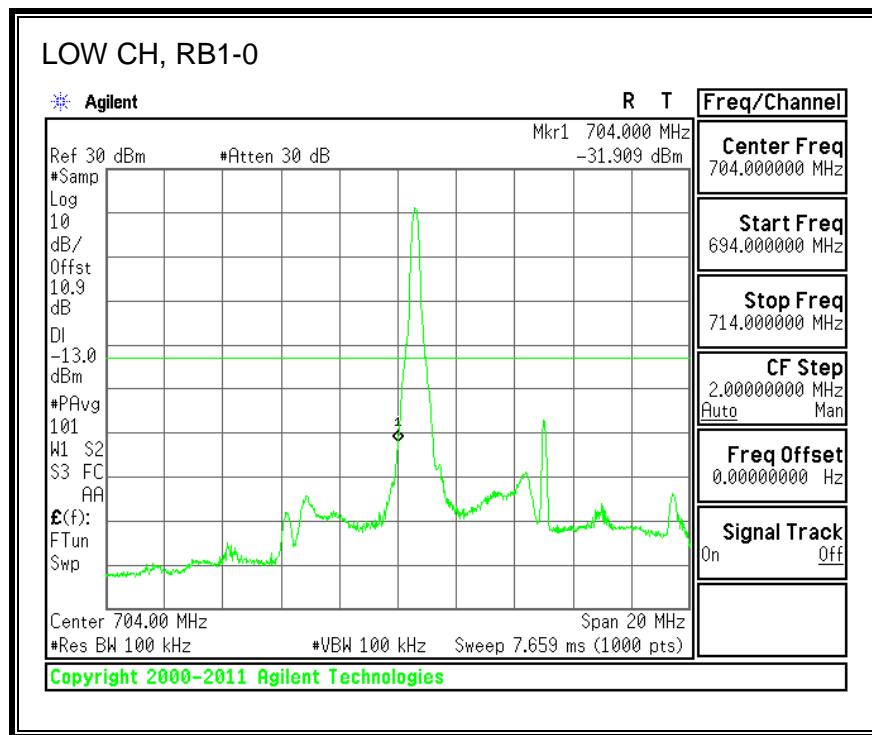


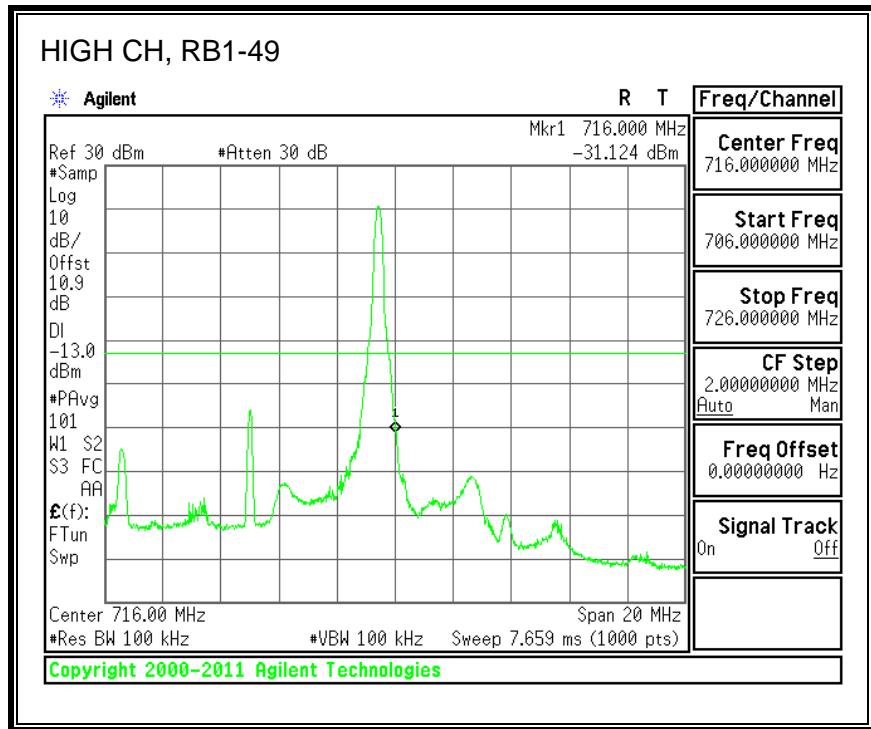
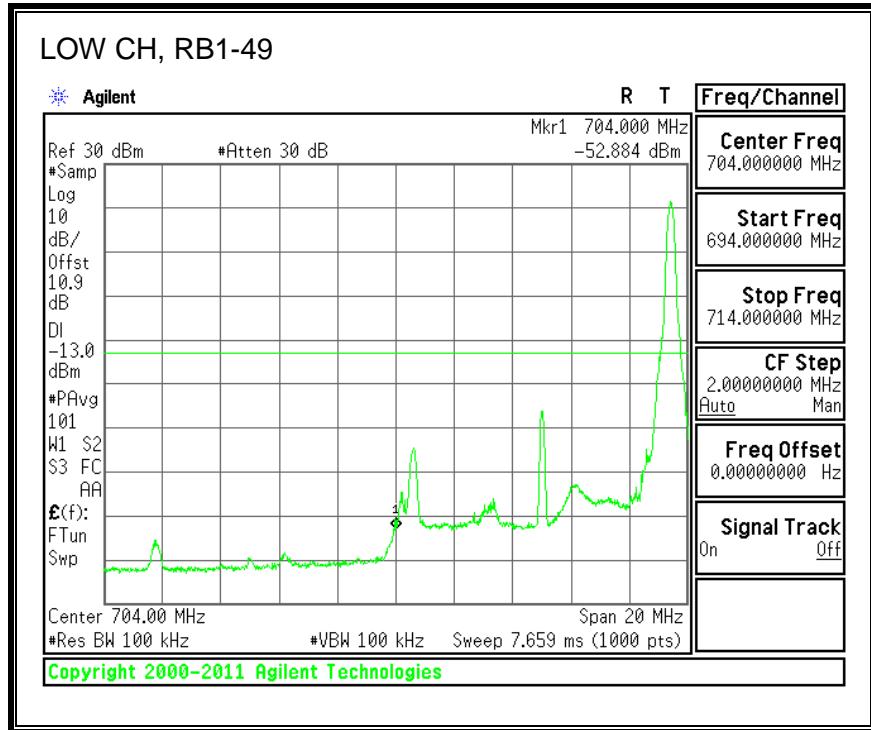


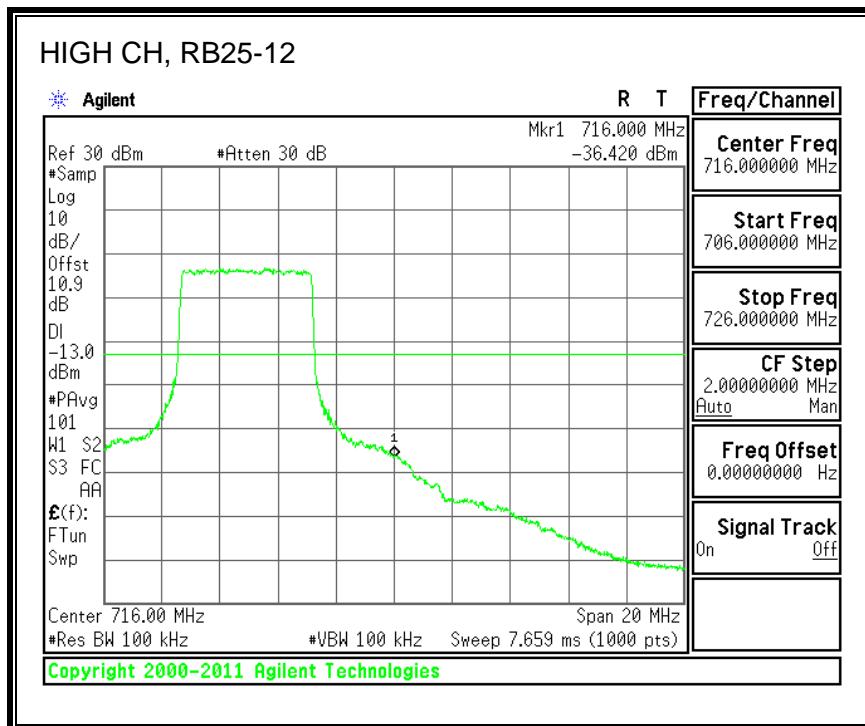
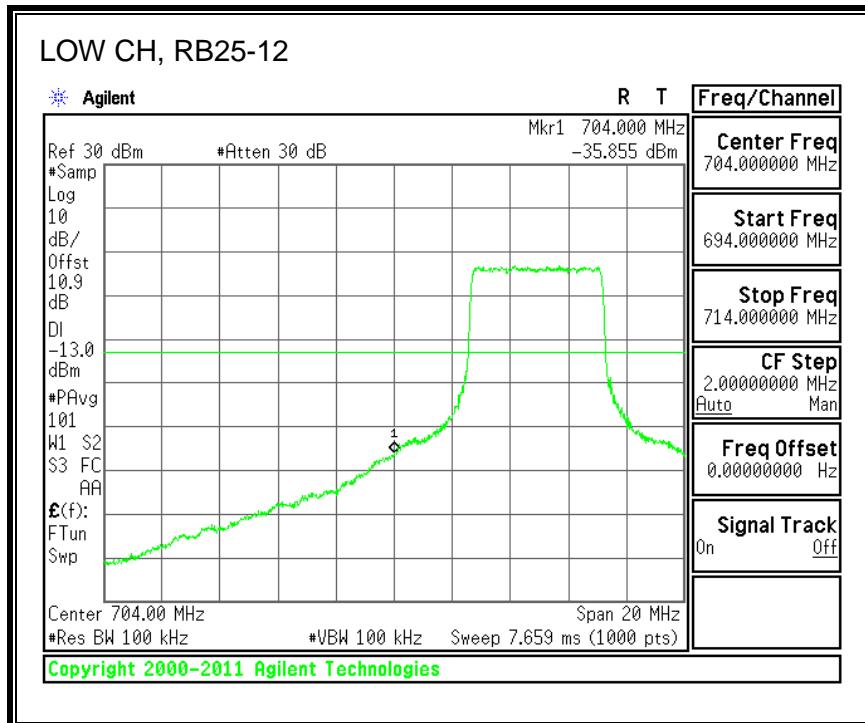


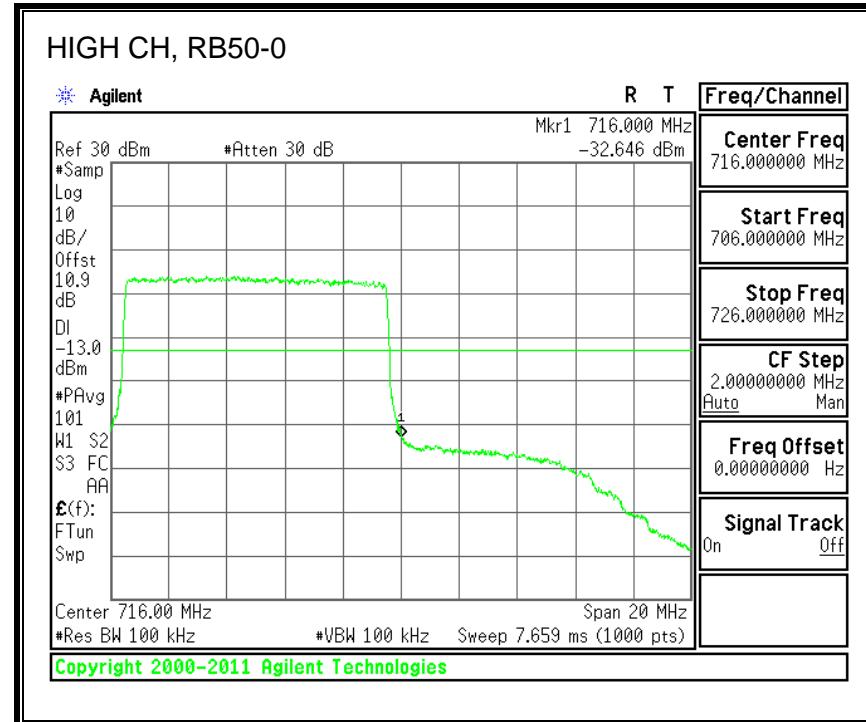
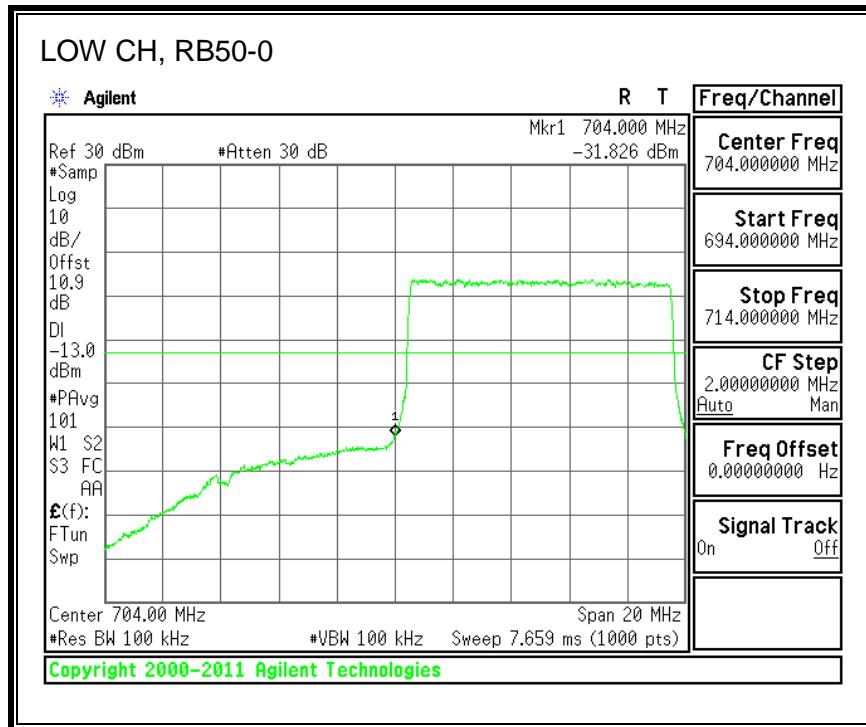


16QAM, (10.0 MHz BAND WIDTH)



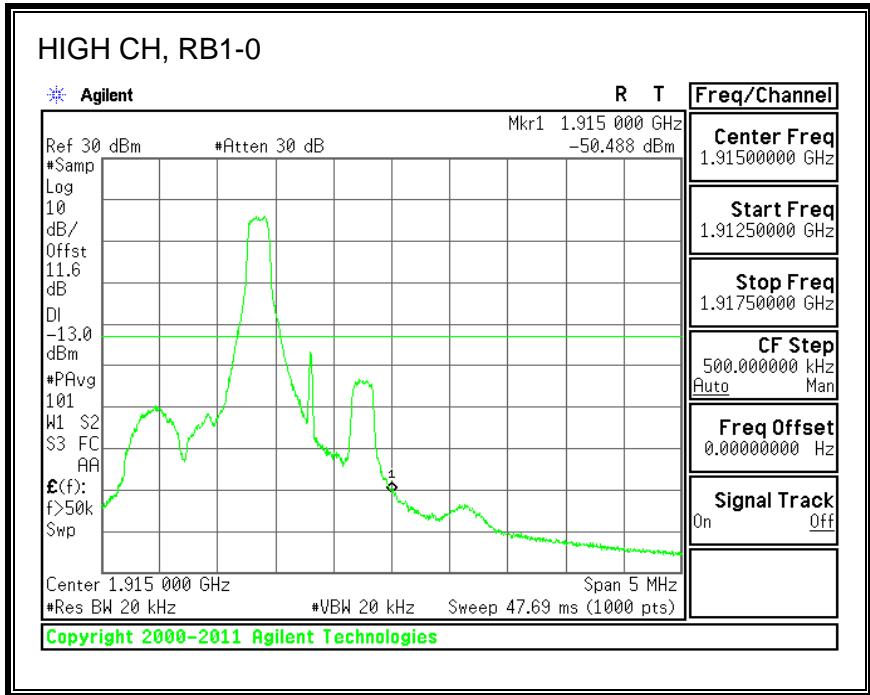
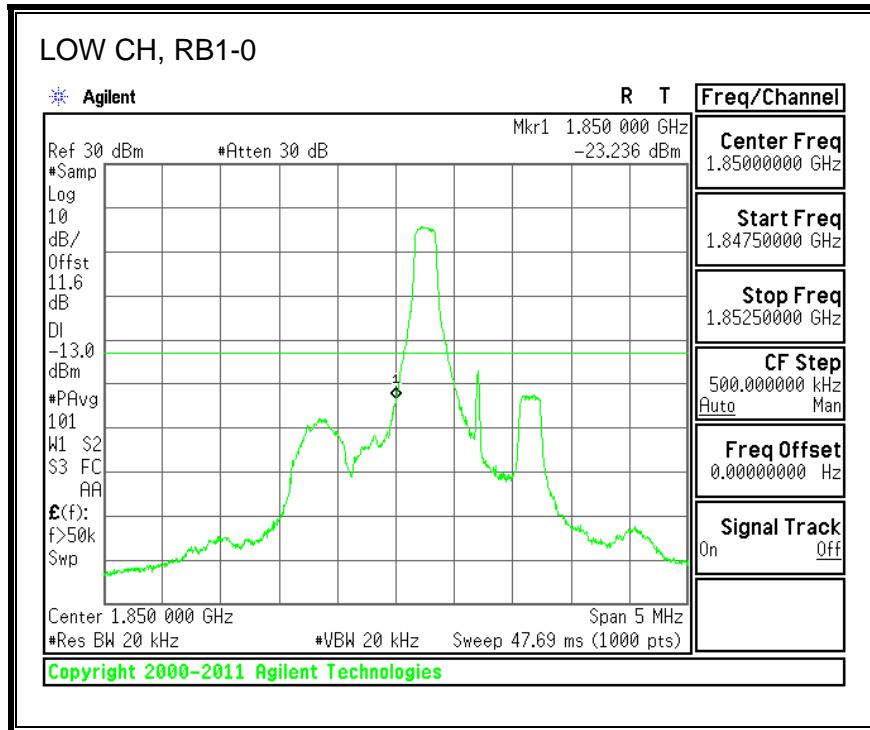


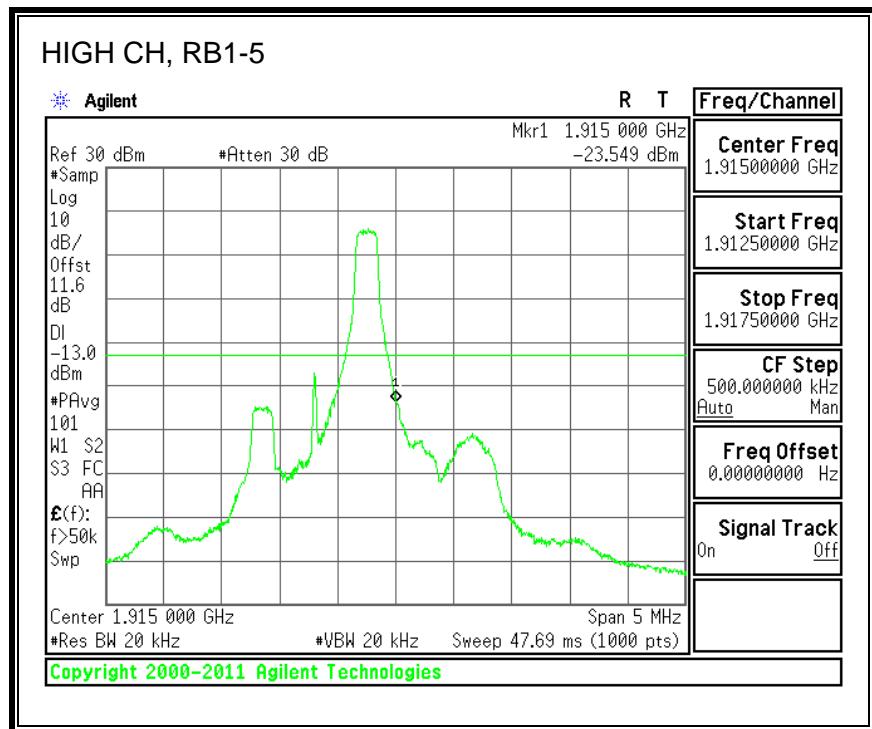
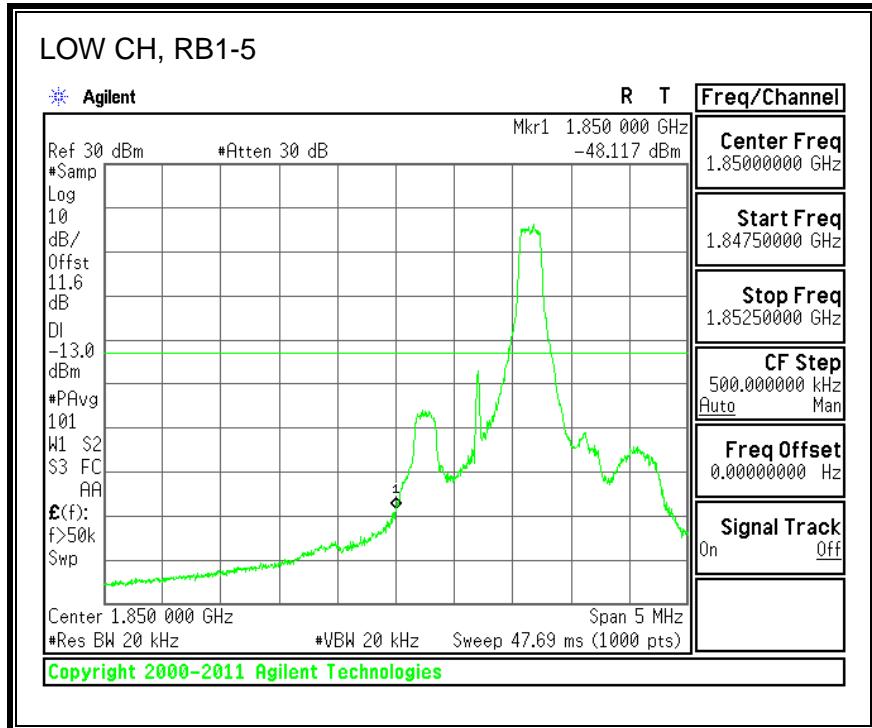


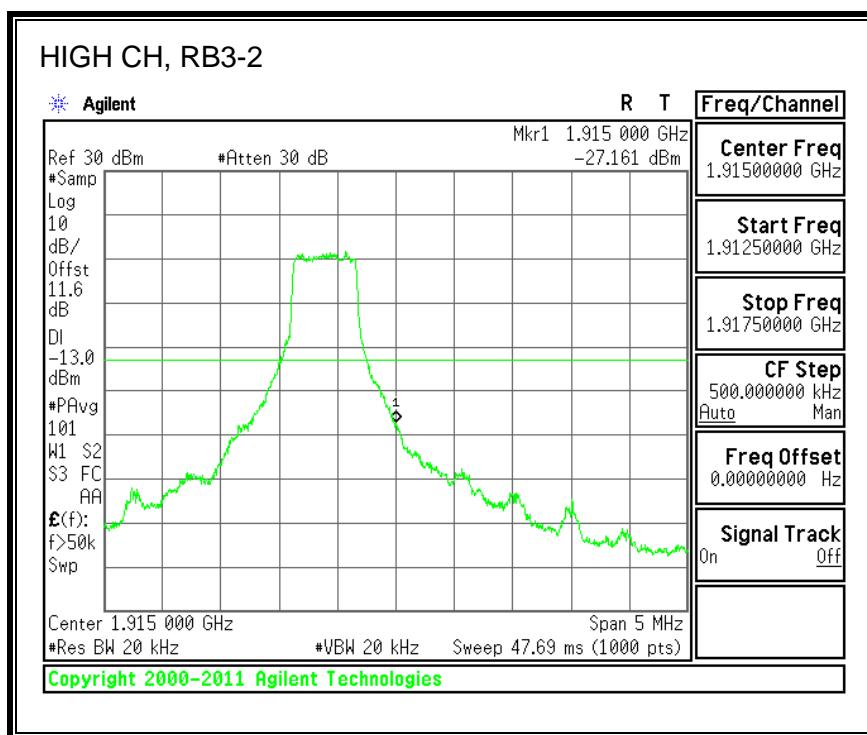
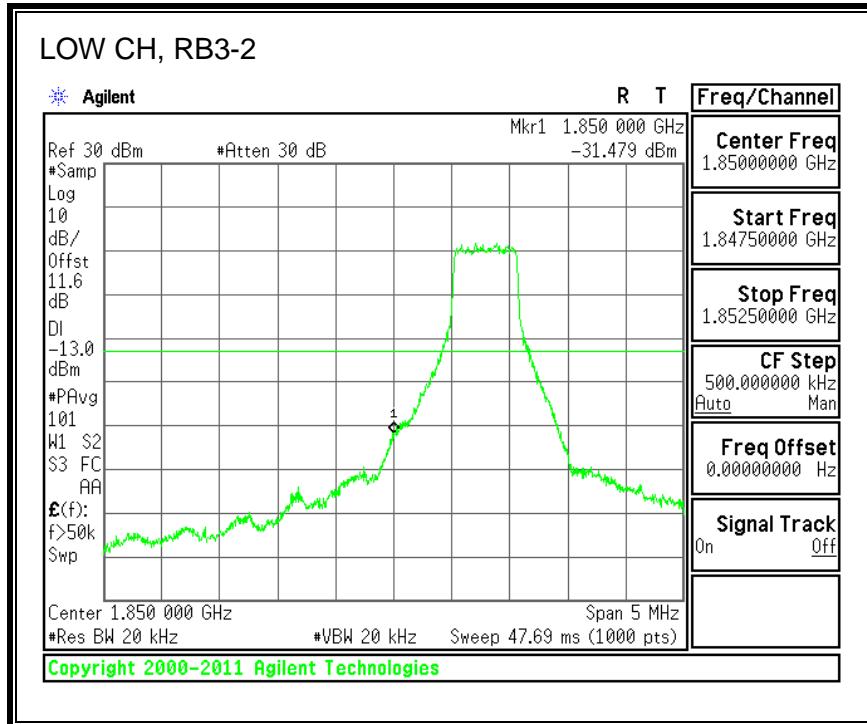


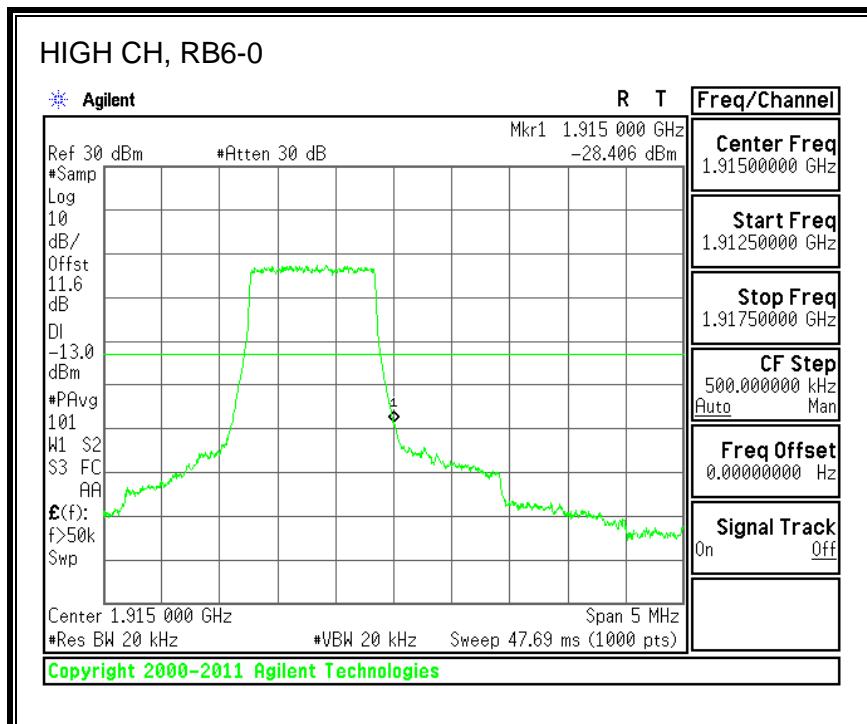
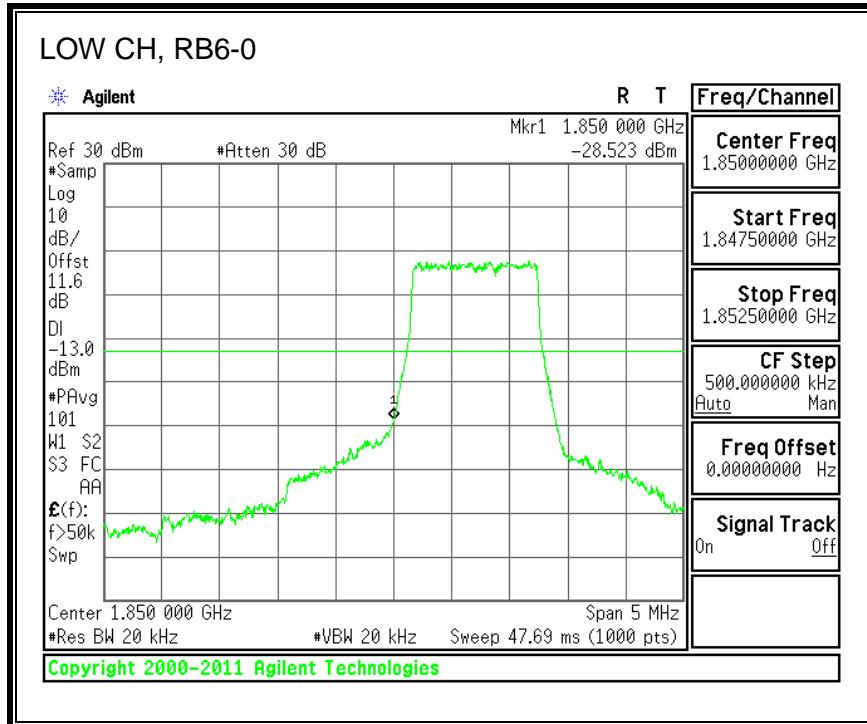
8.2.7. LTE BAND 25 BANDEDGE

QPSK, (1.4 MHz BAND WIDTH)

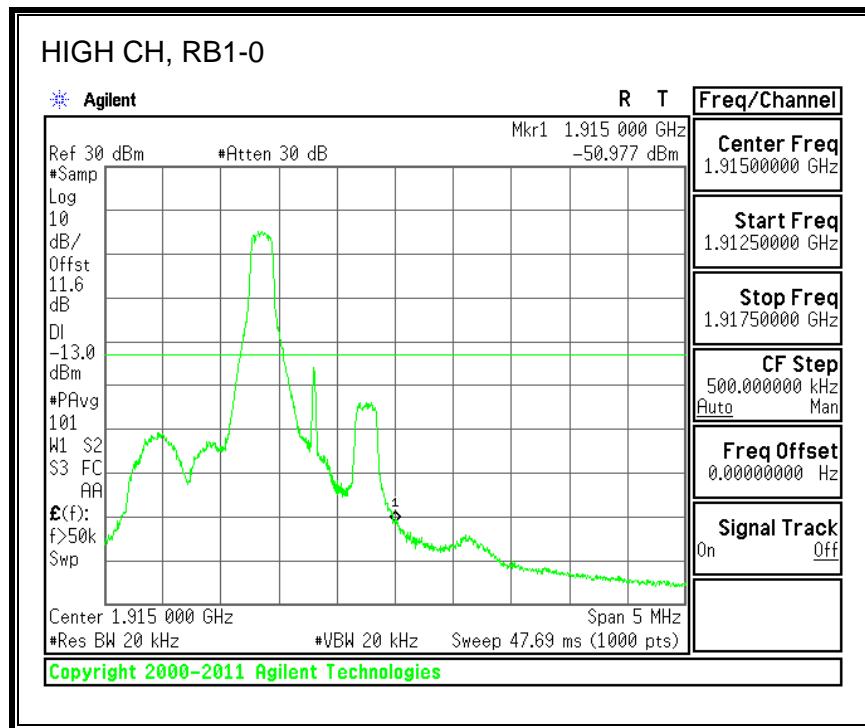
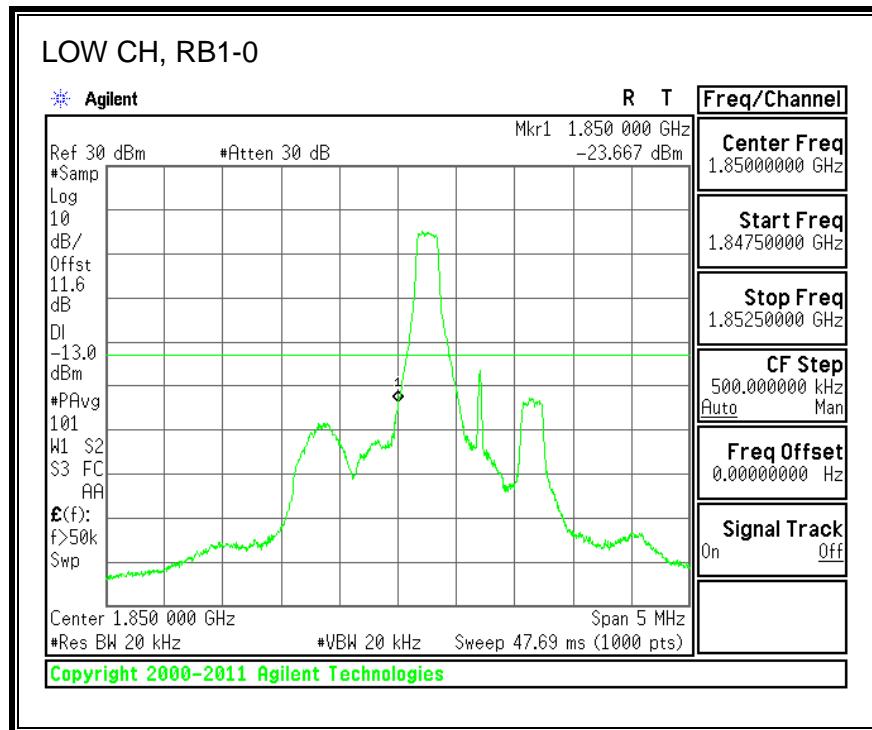


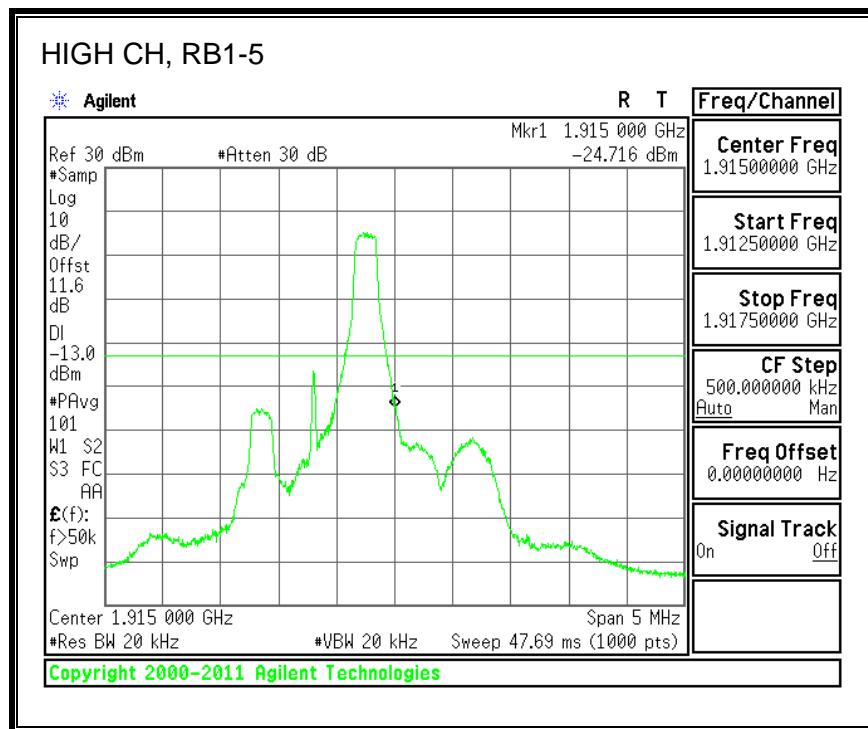
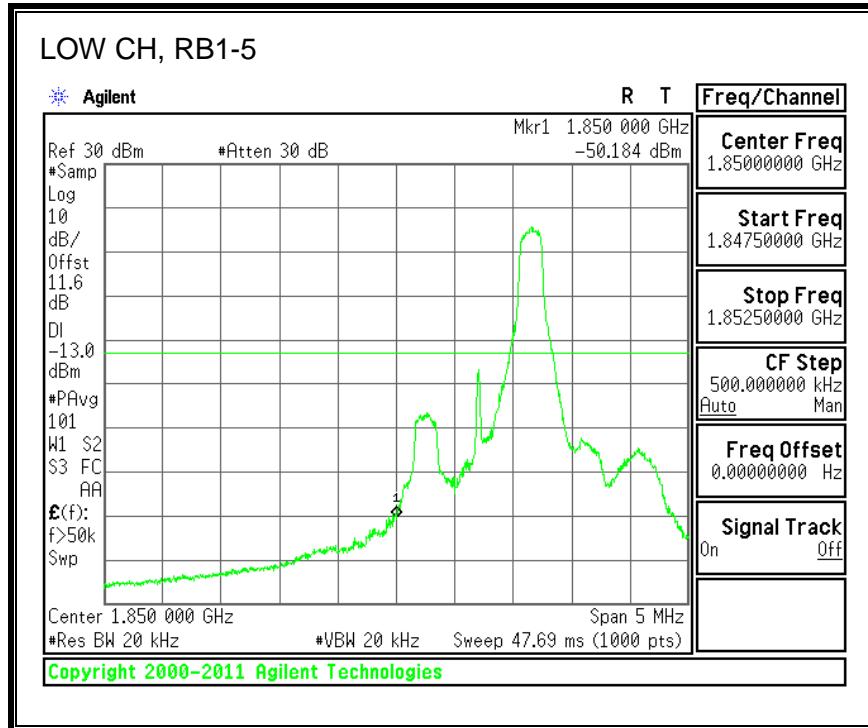


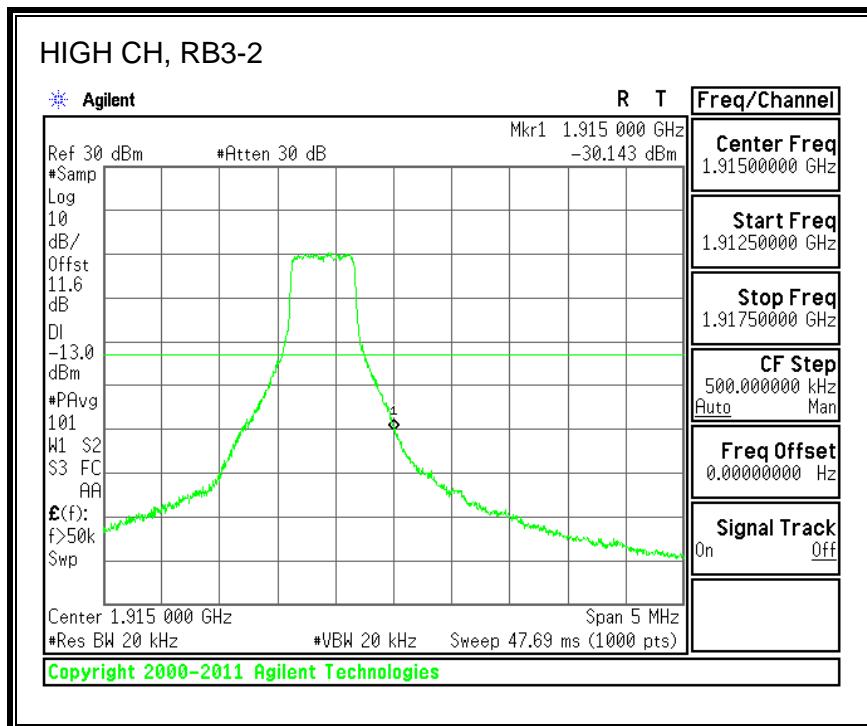
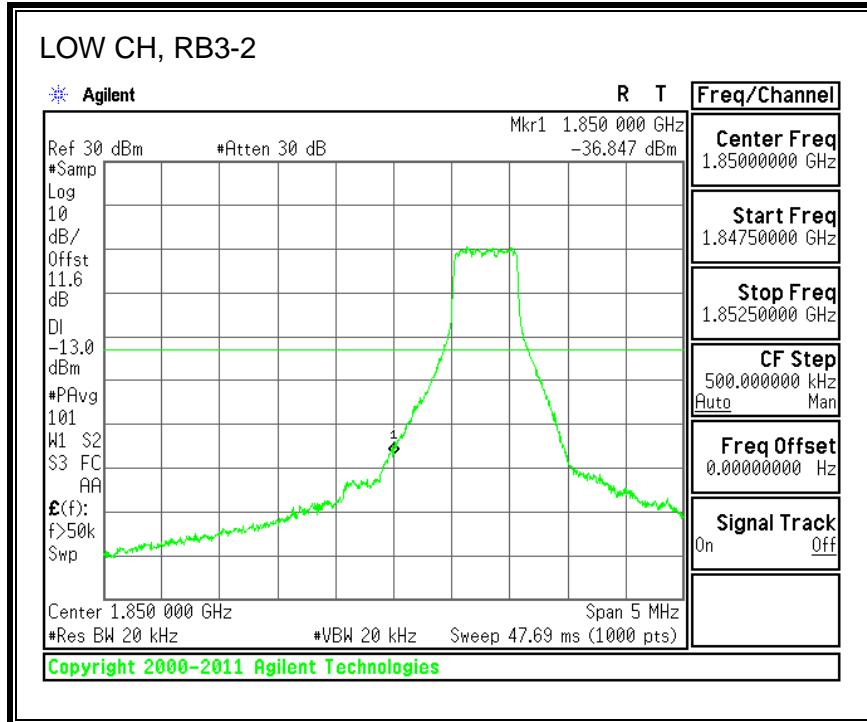




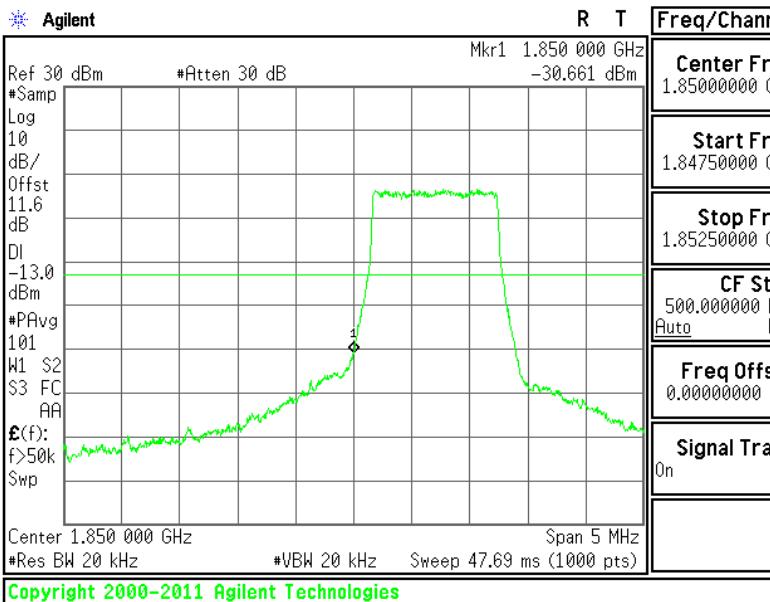
16QAM, (1.4 MHz BAND WIDTH)



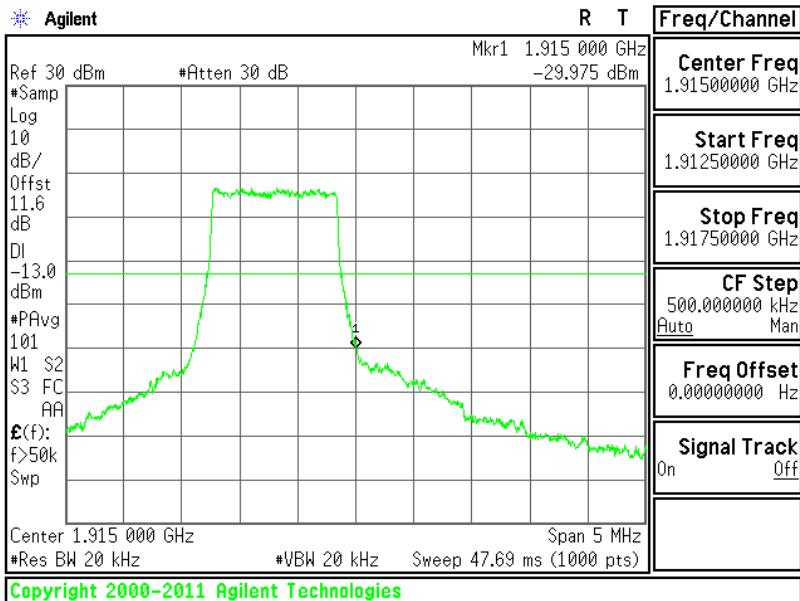




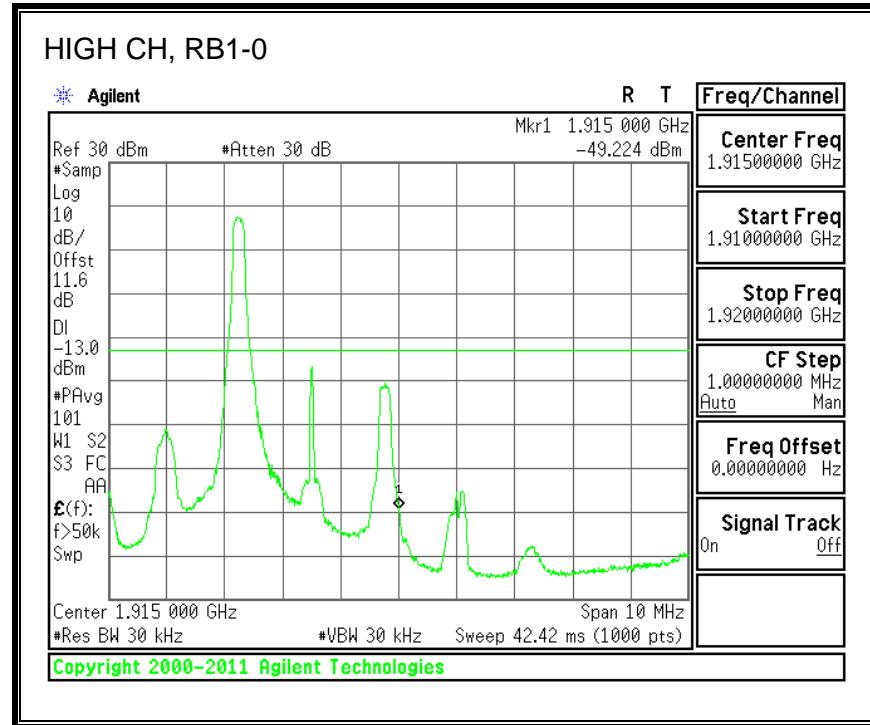
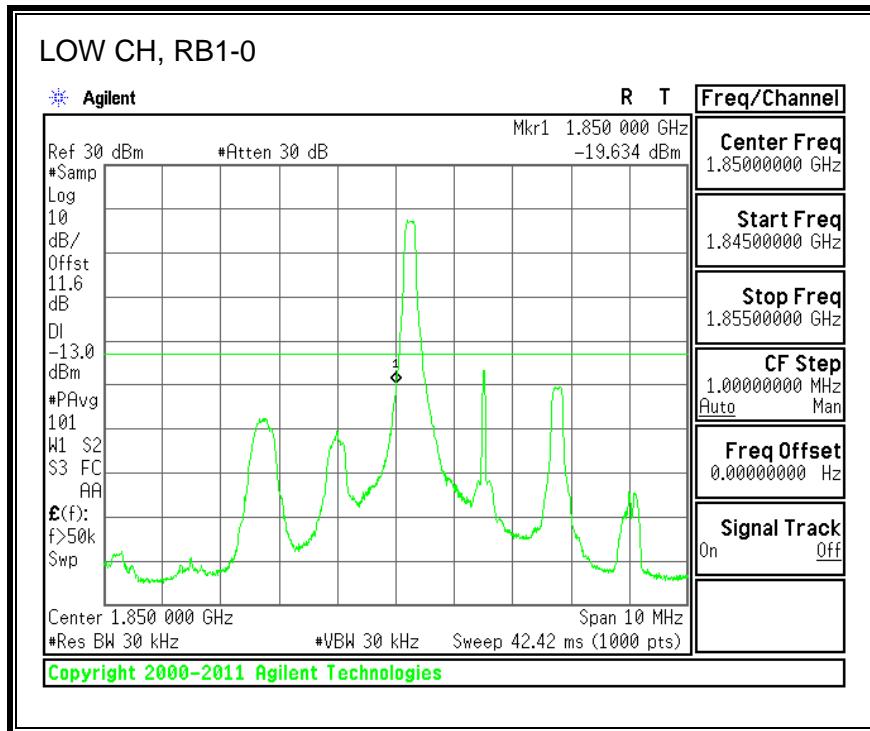
LOW CH, RB6-0

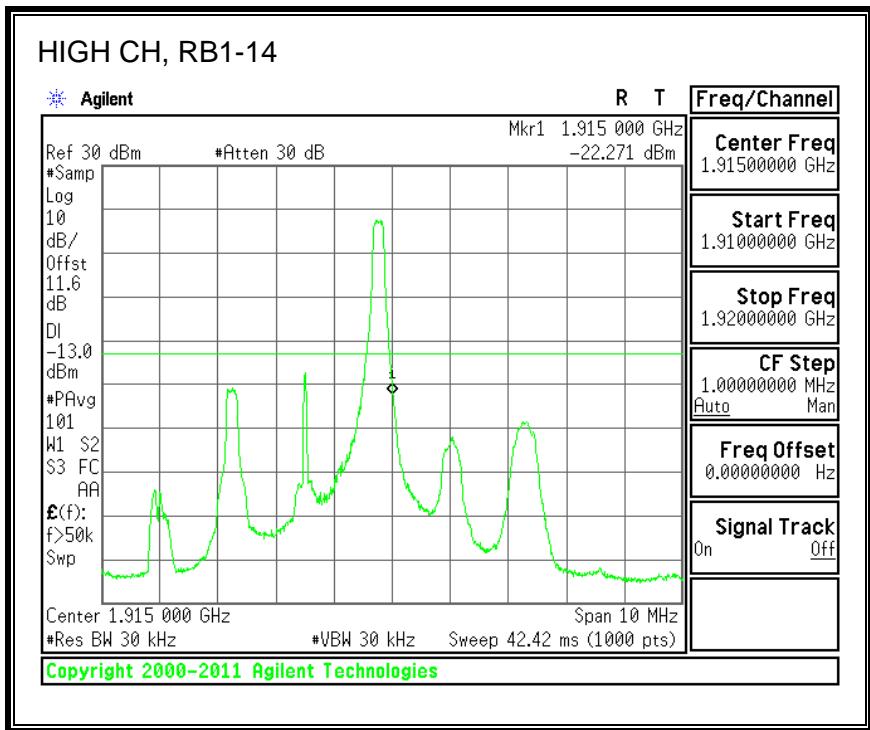
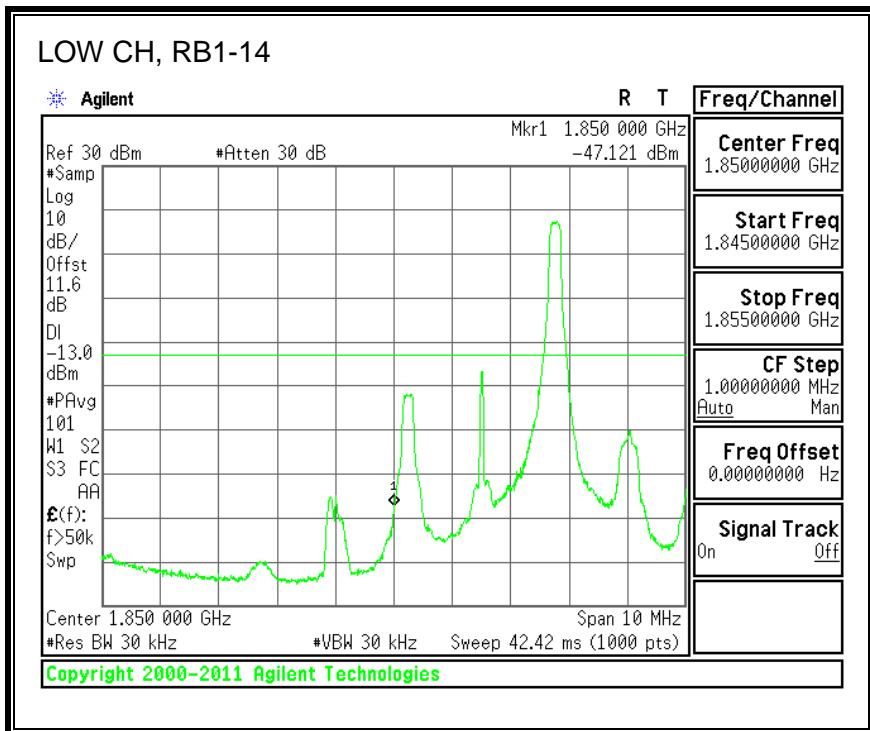


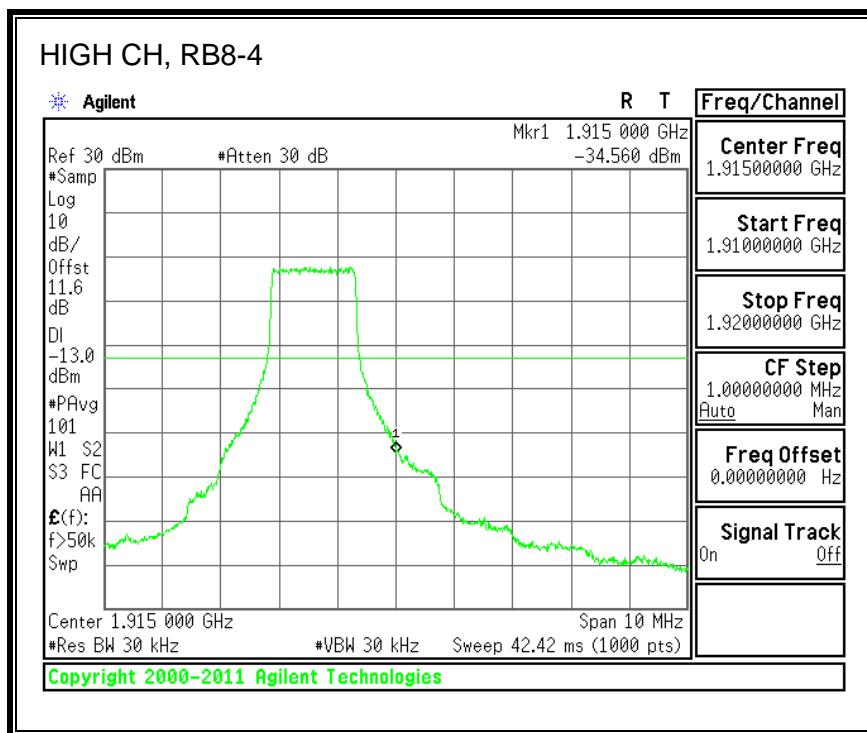
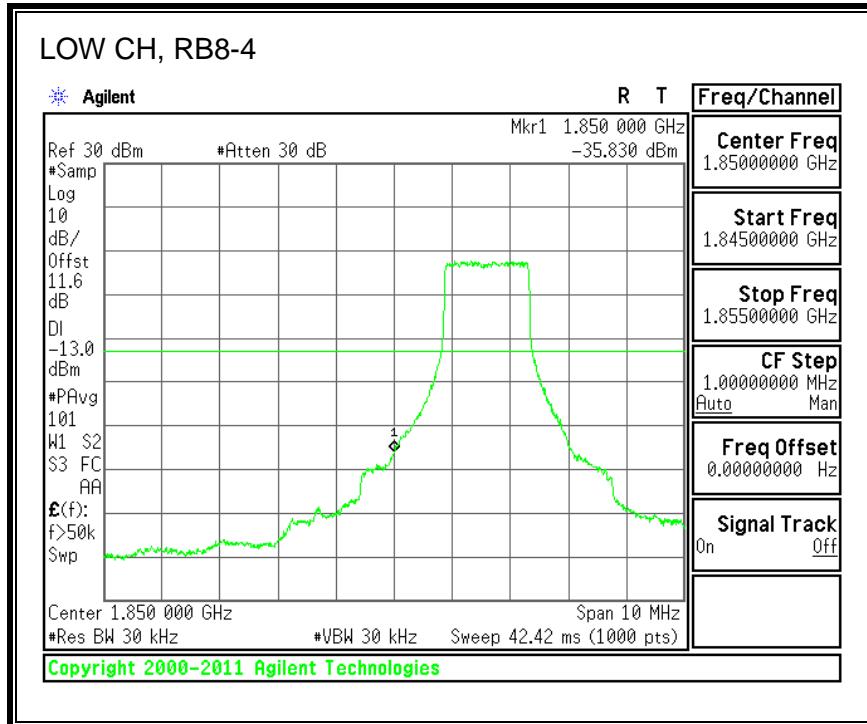
HIGH CH, RB6-0

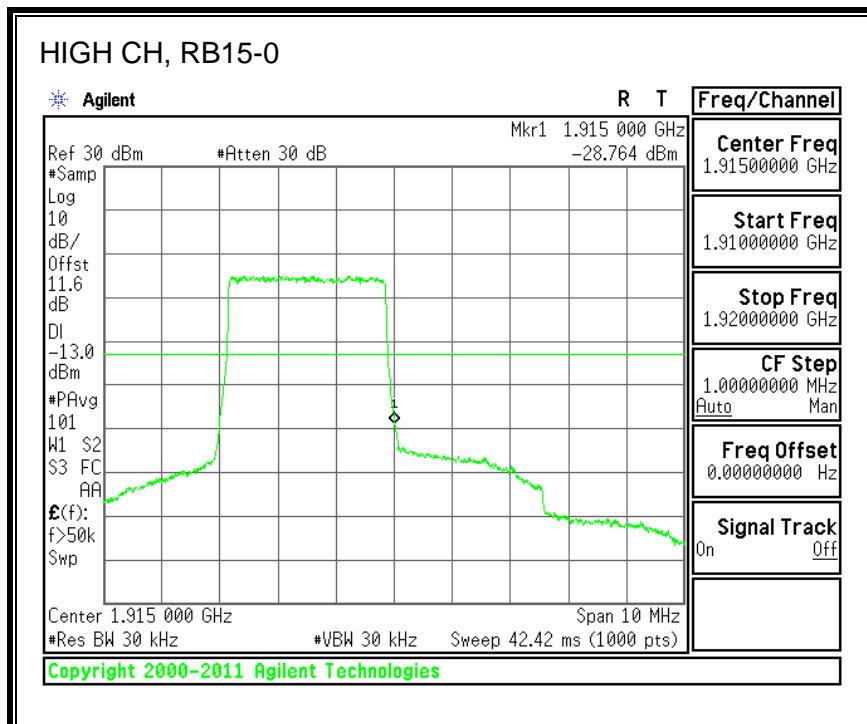
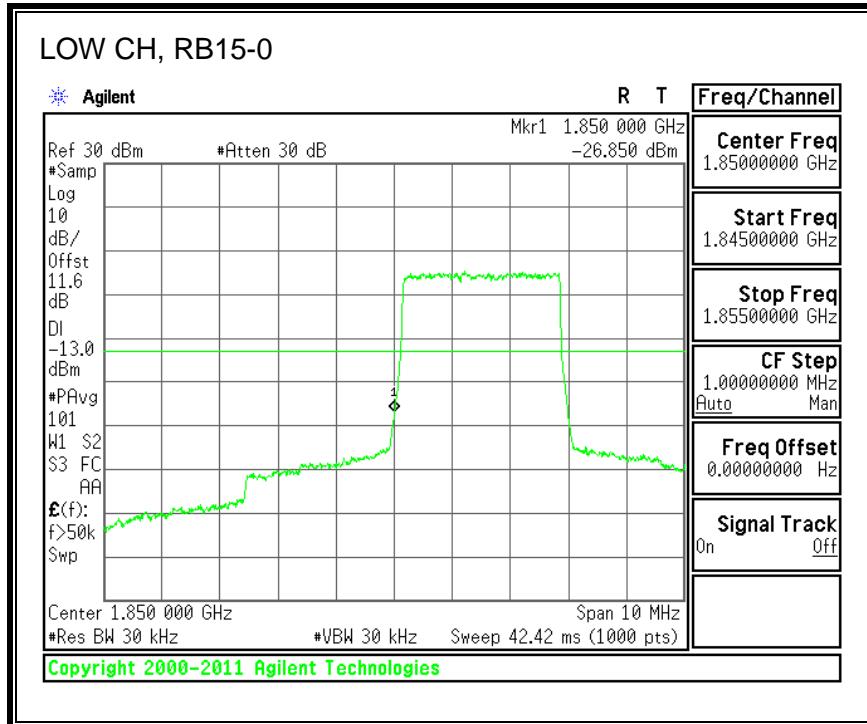


QPSK, (3.0 MHz BAND WIDTH)

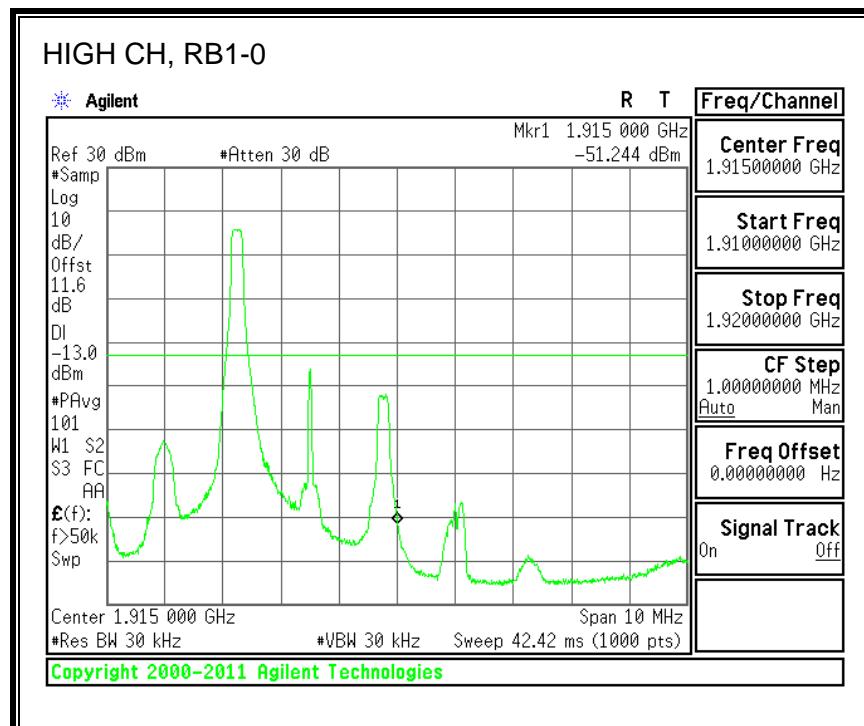
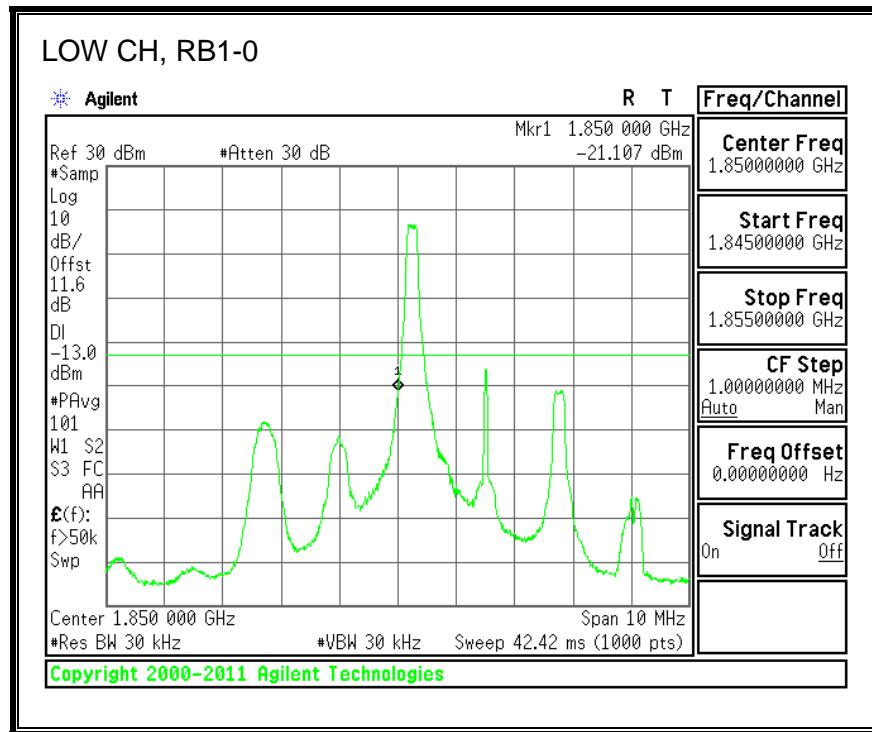


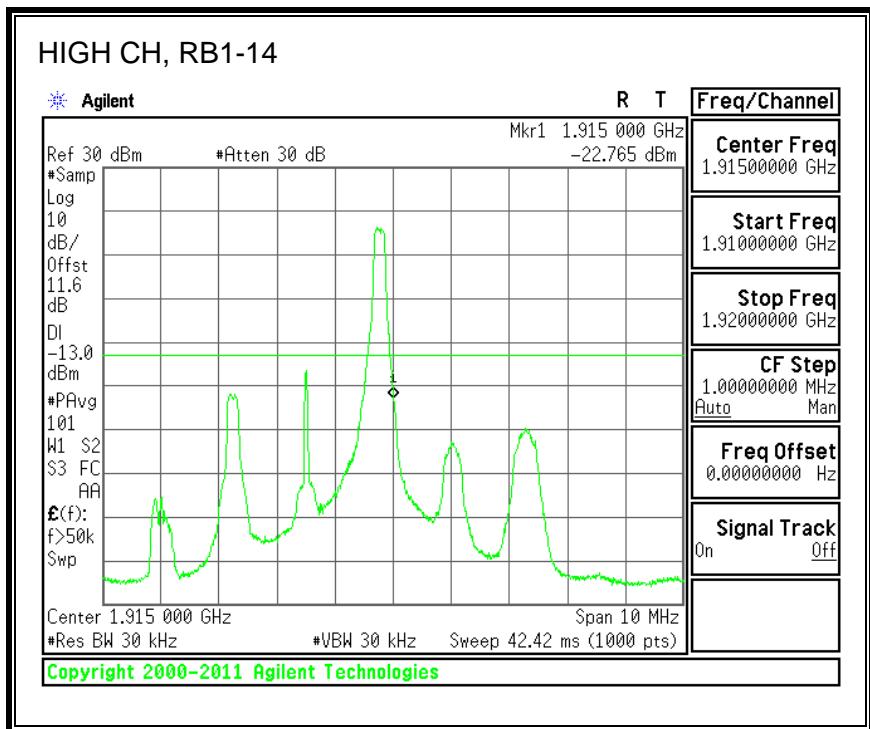
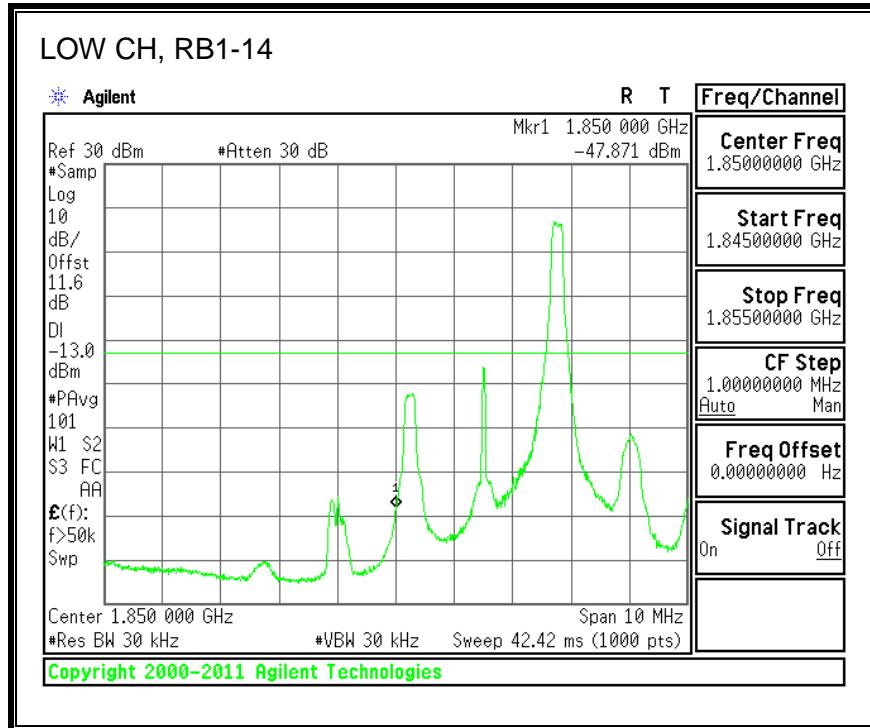


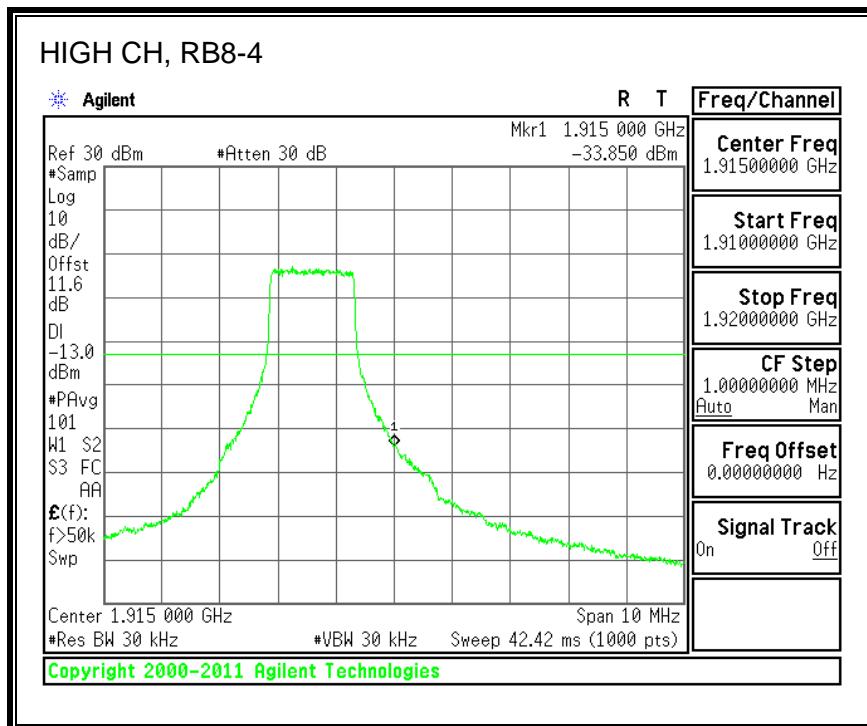
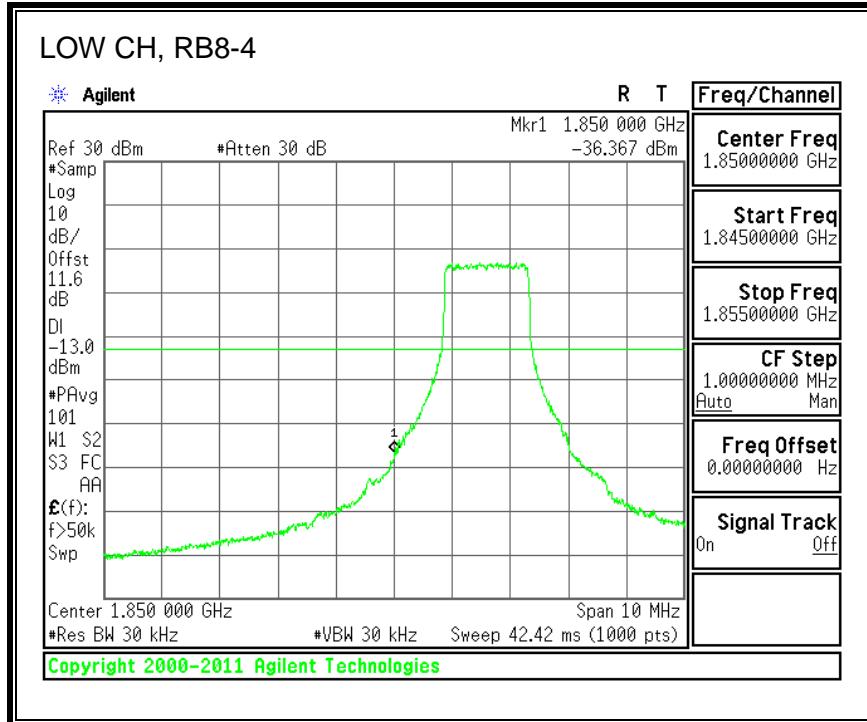


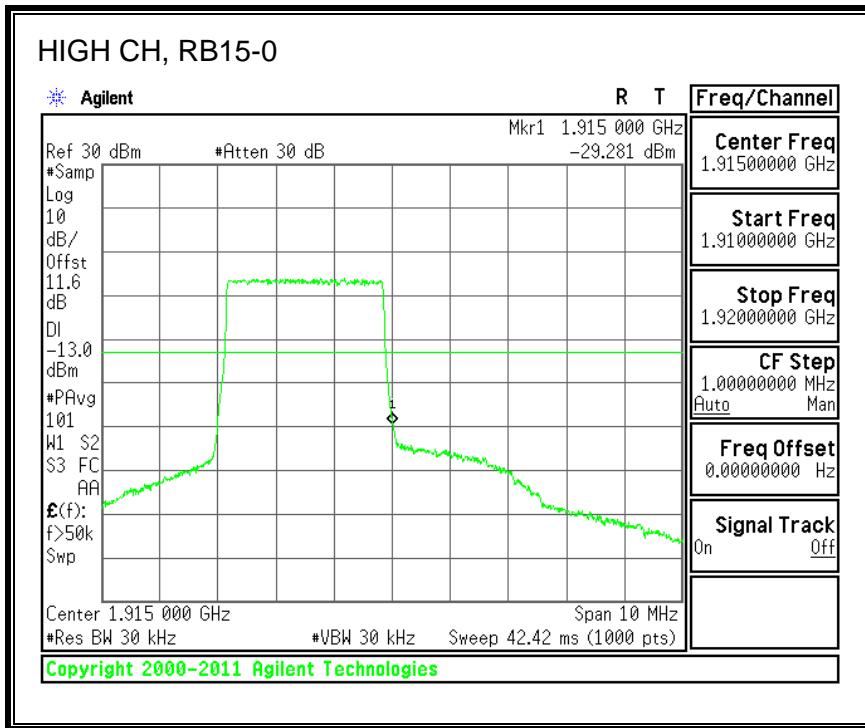
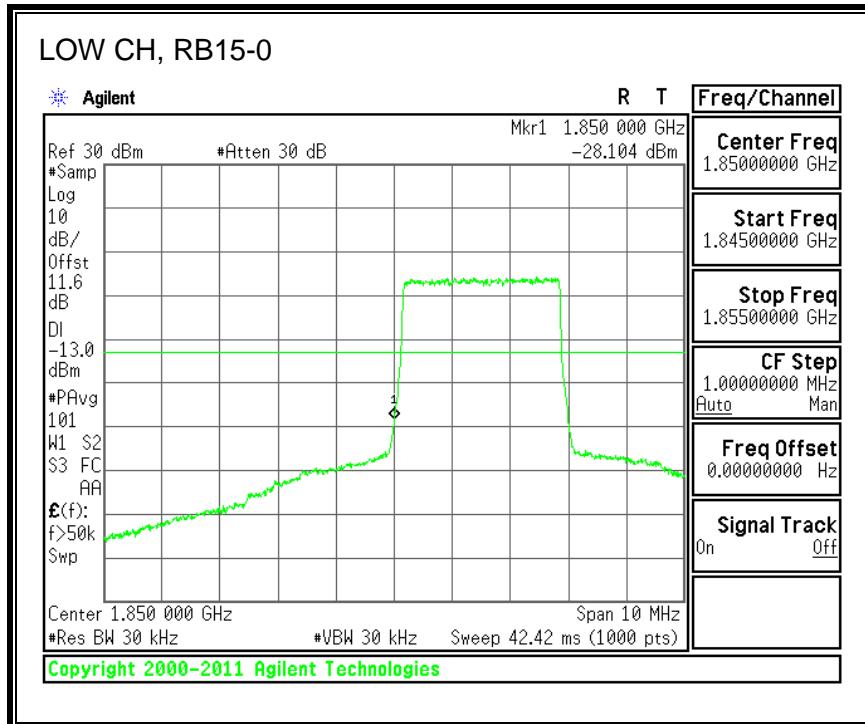


16QAM, (3.0 MHz BAND WIDTH)

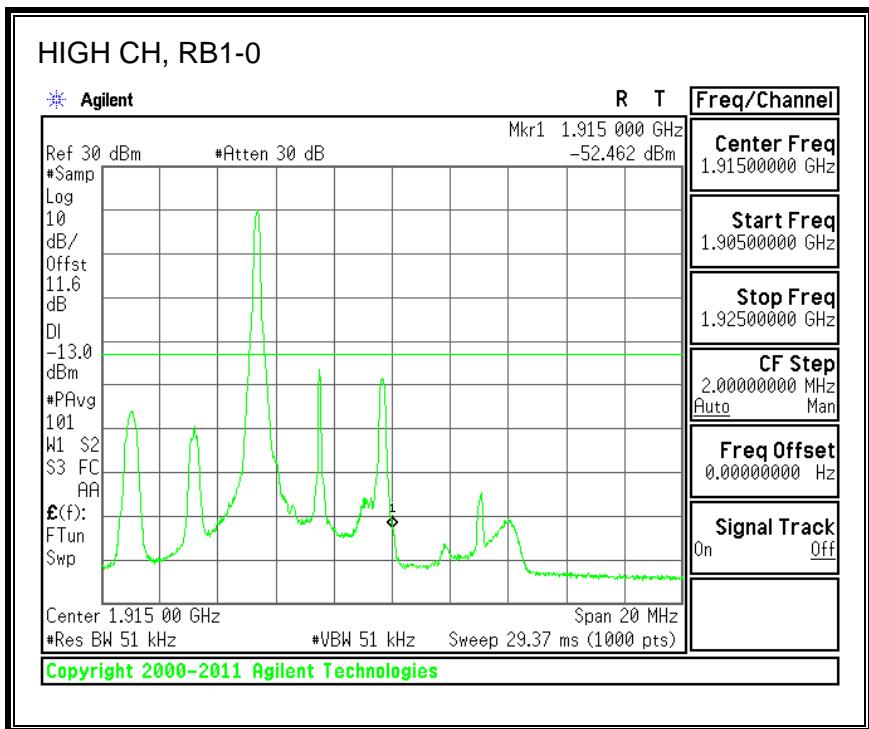
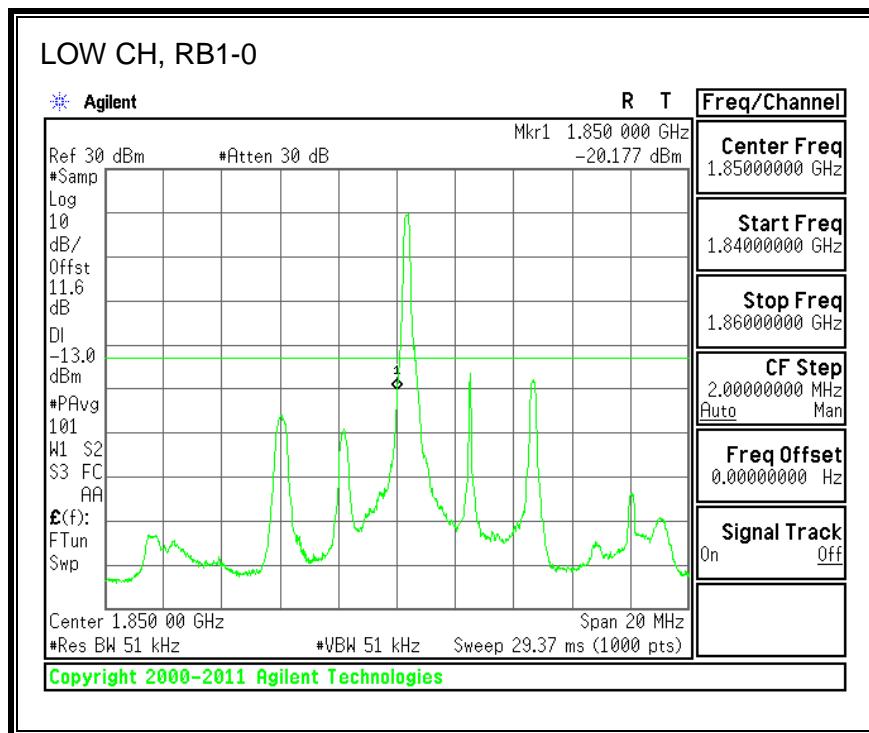


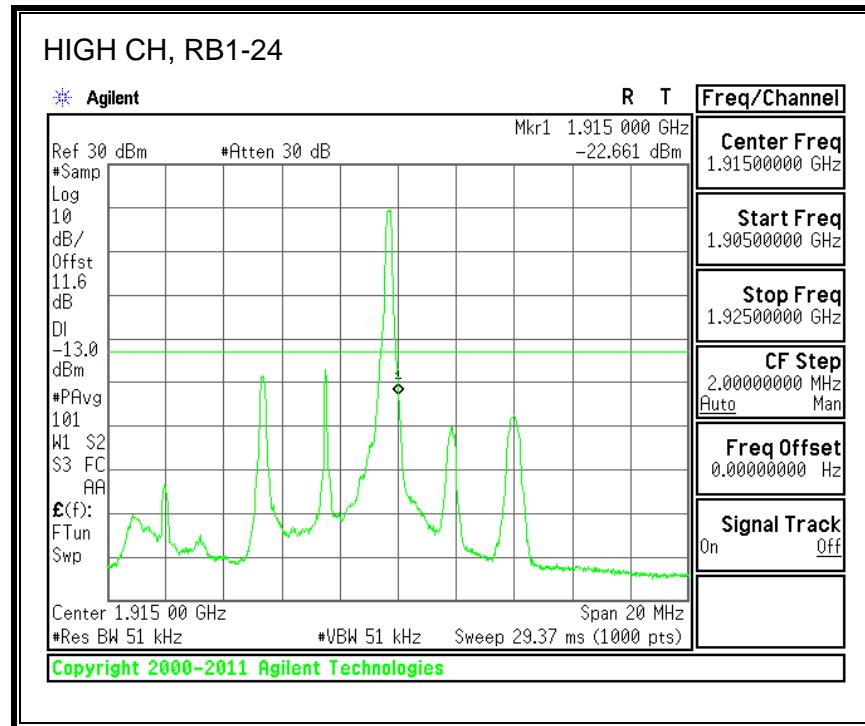
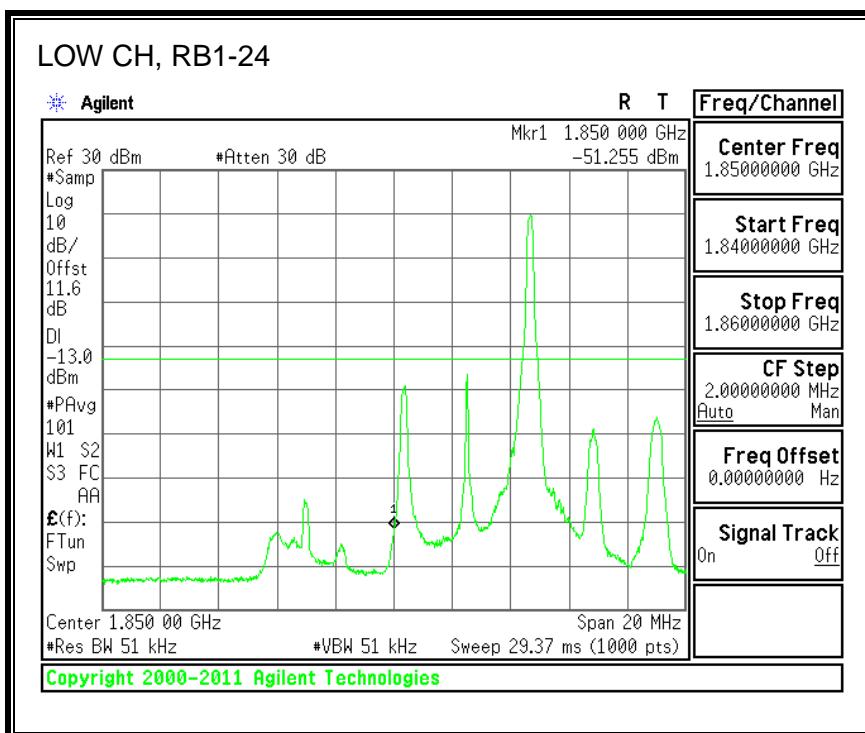


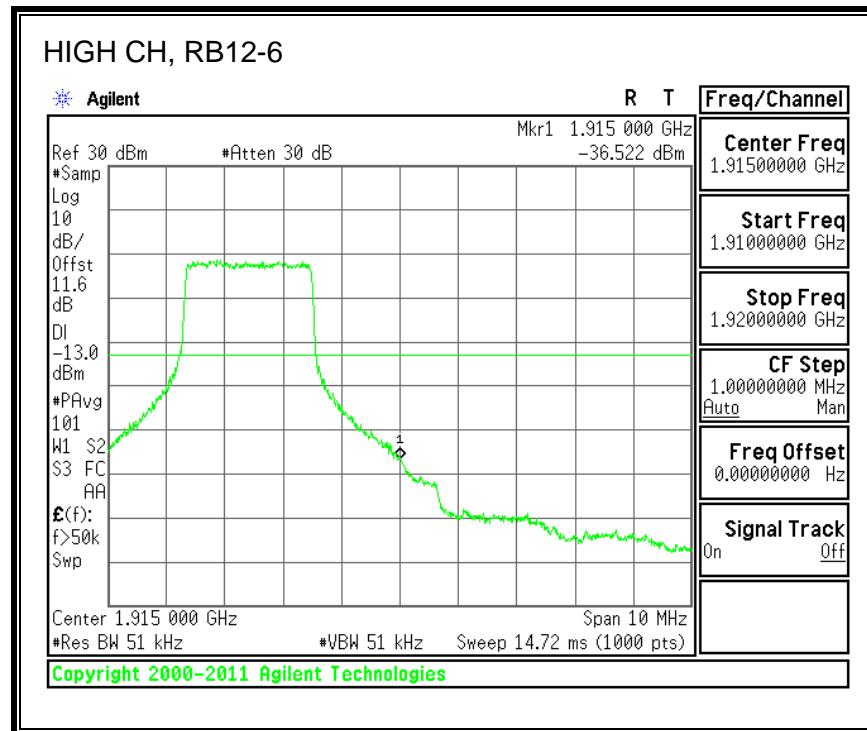
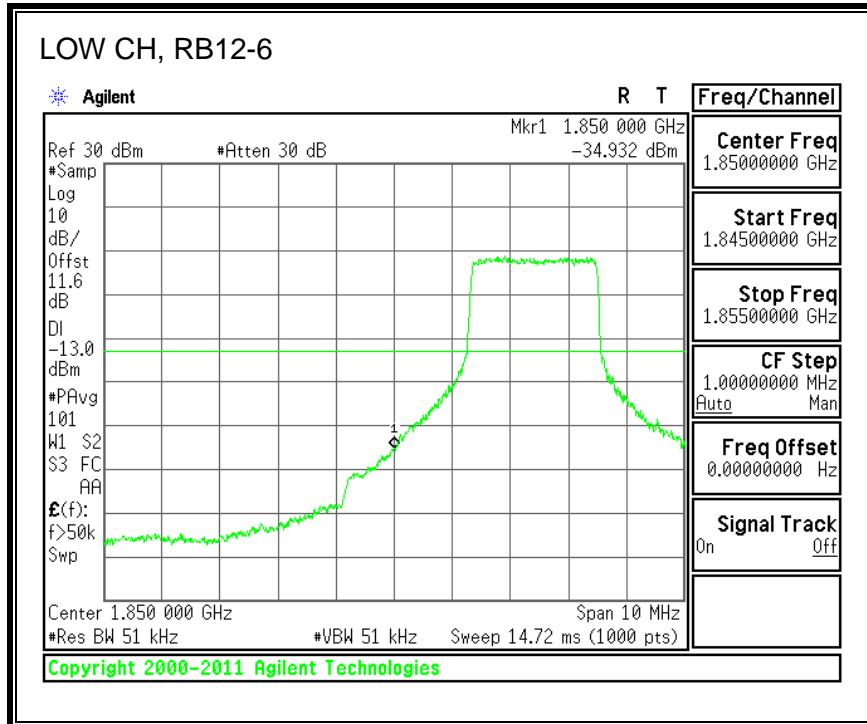


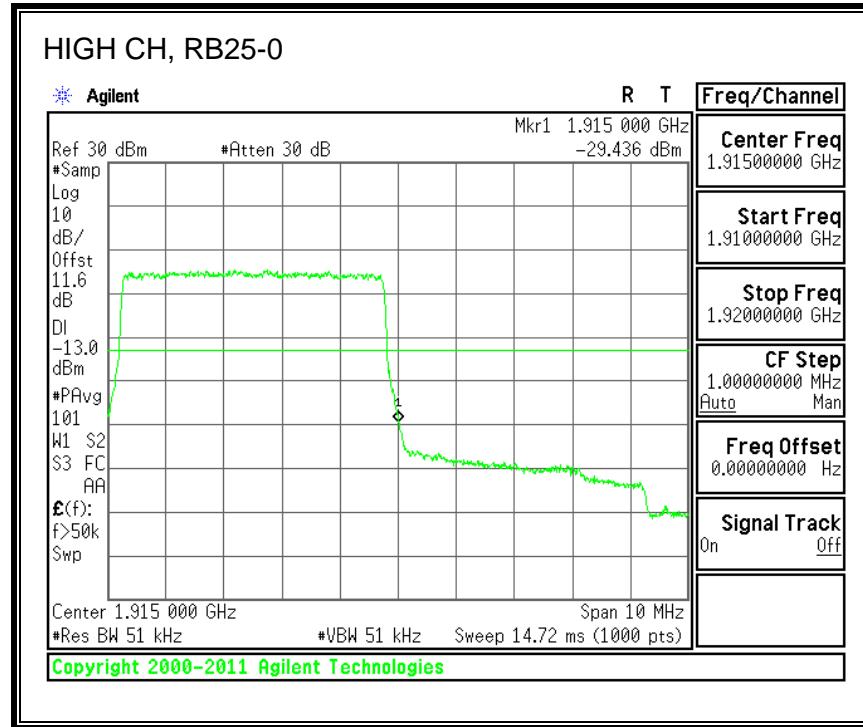
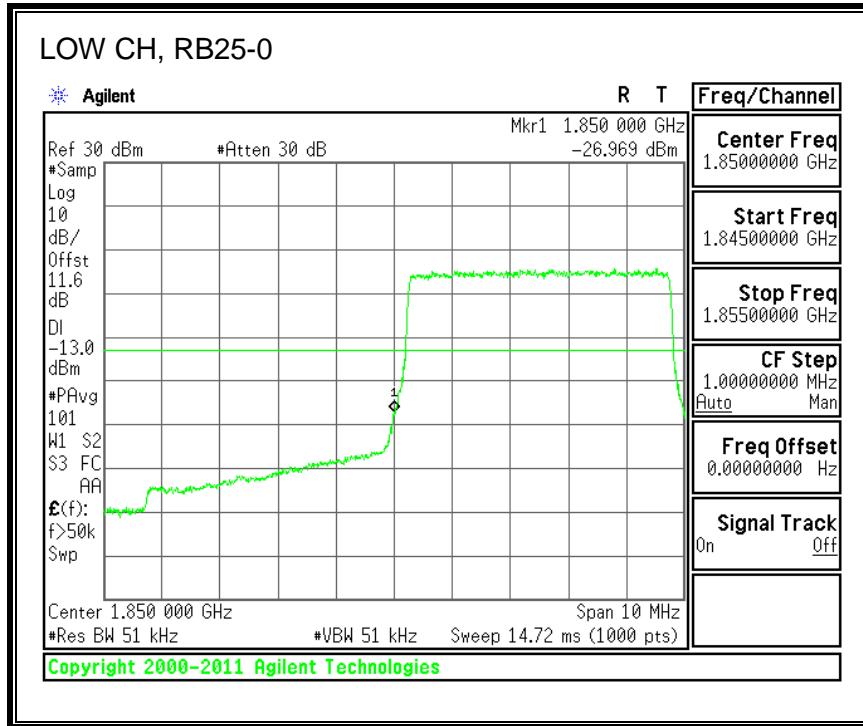


QPSK, (5.0 MHz BAND WIDTH)

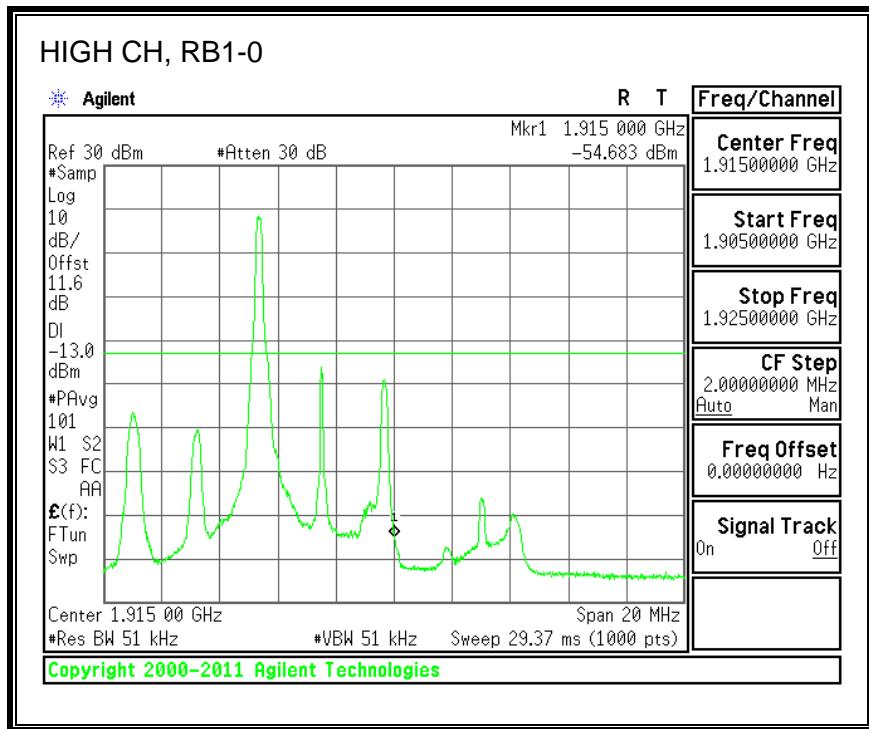
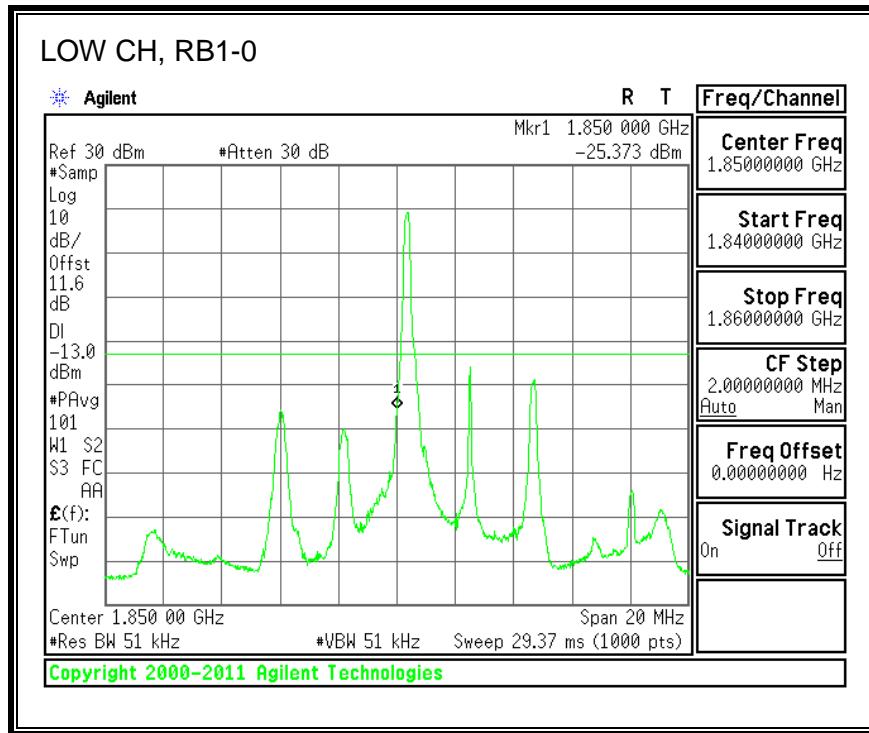


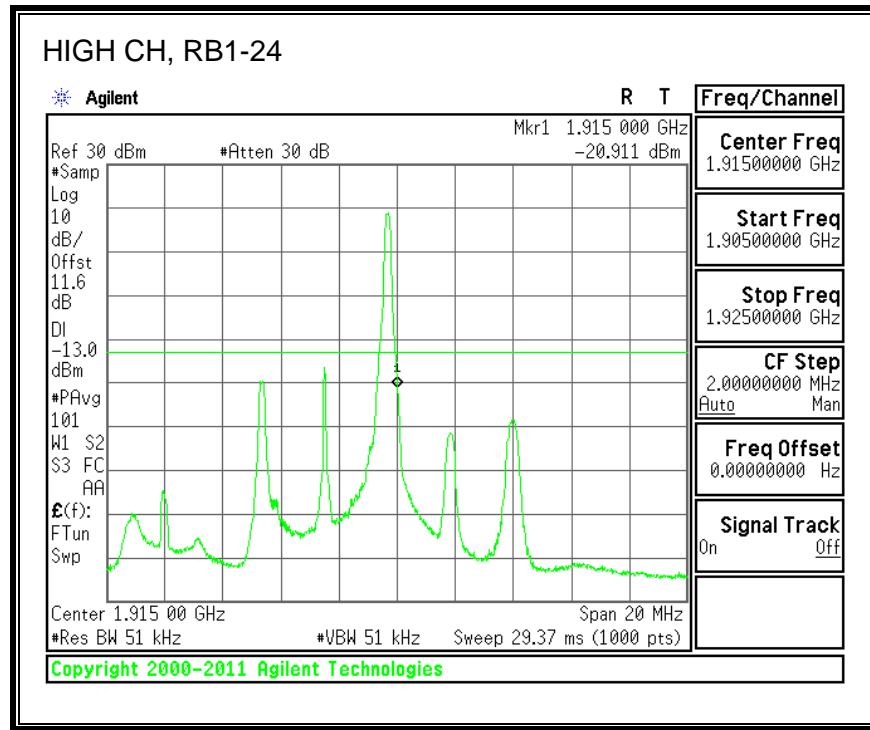
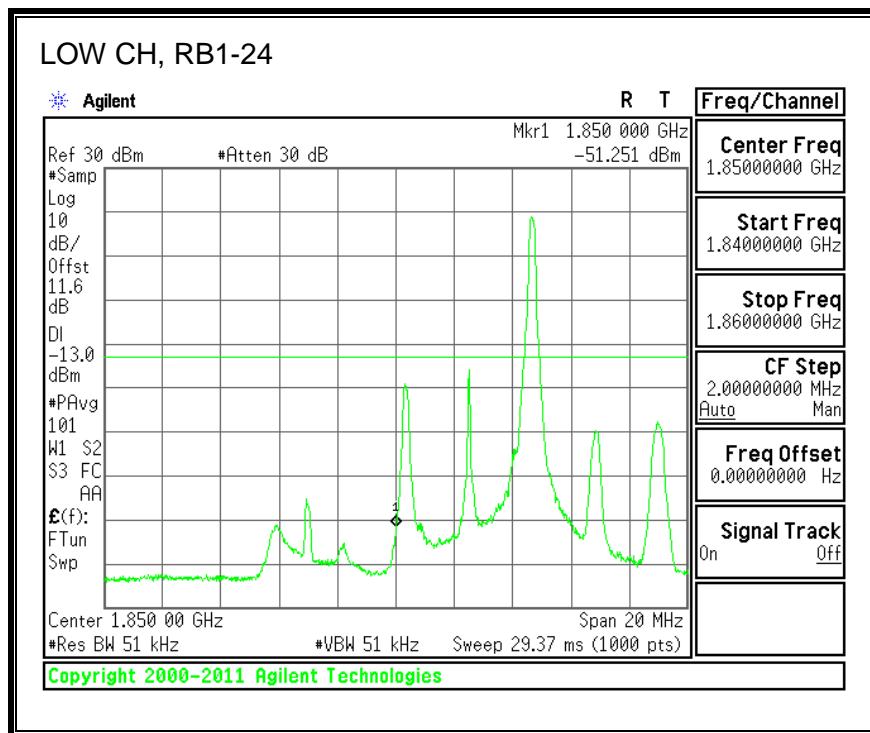


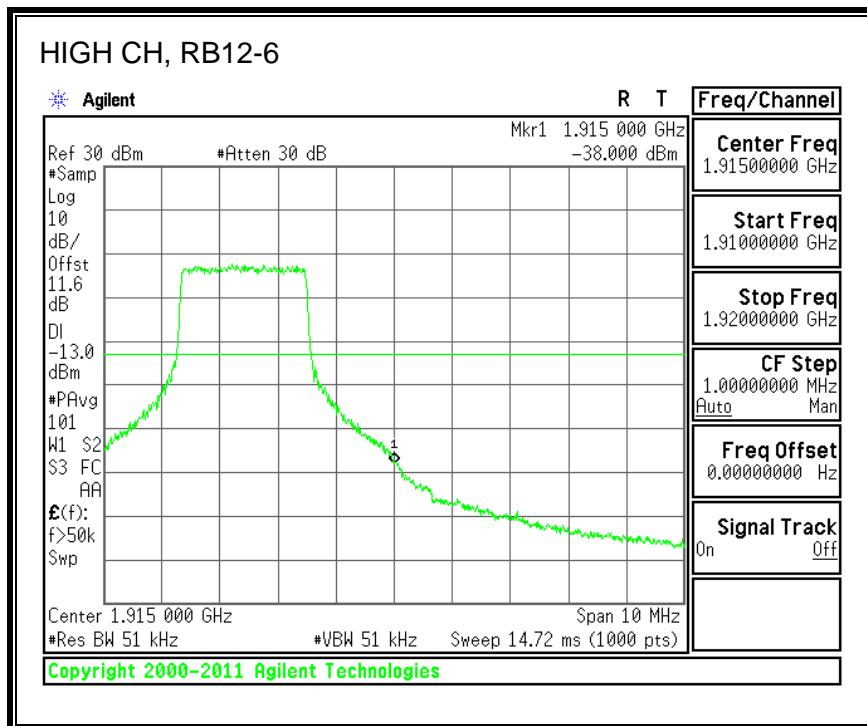
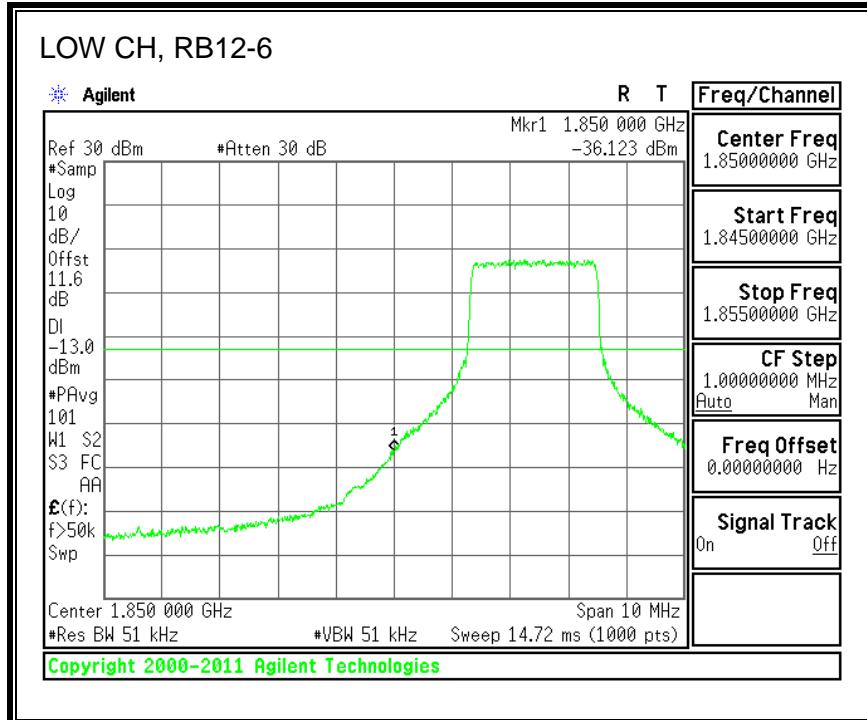


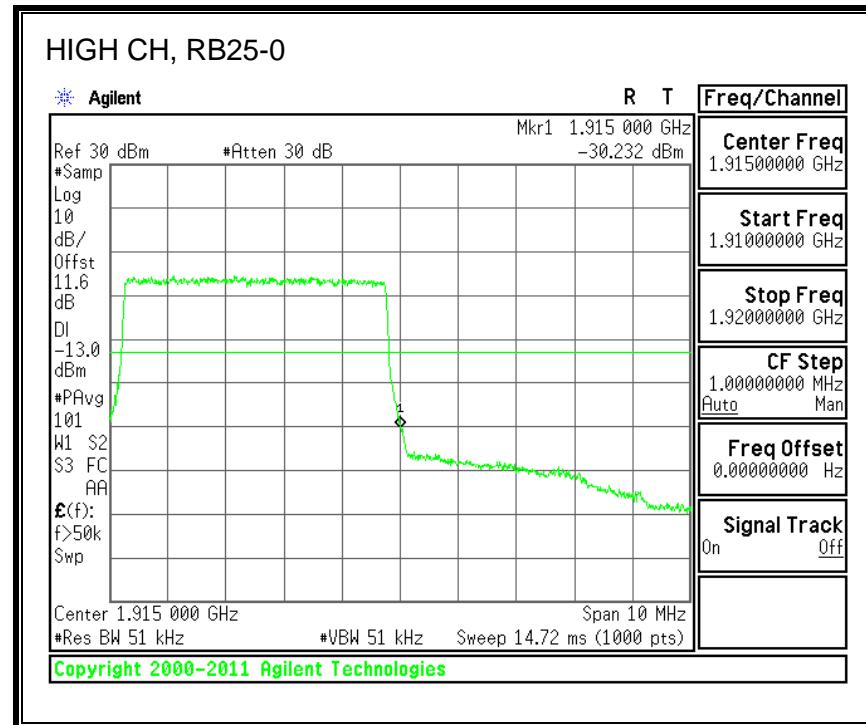
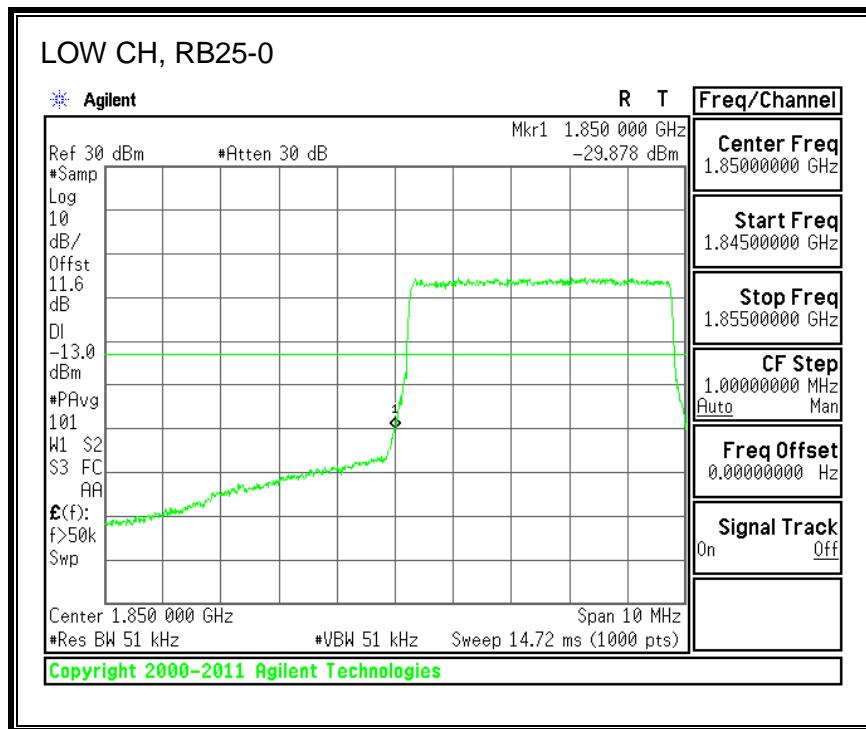


16QAM, (5.0 MHz BAND WIDTH)

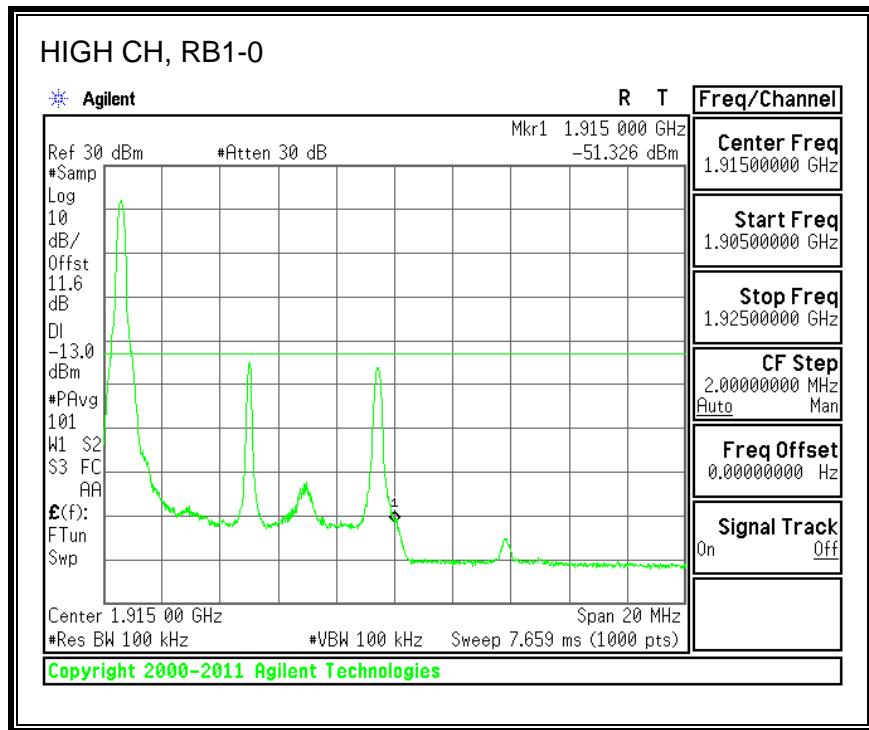
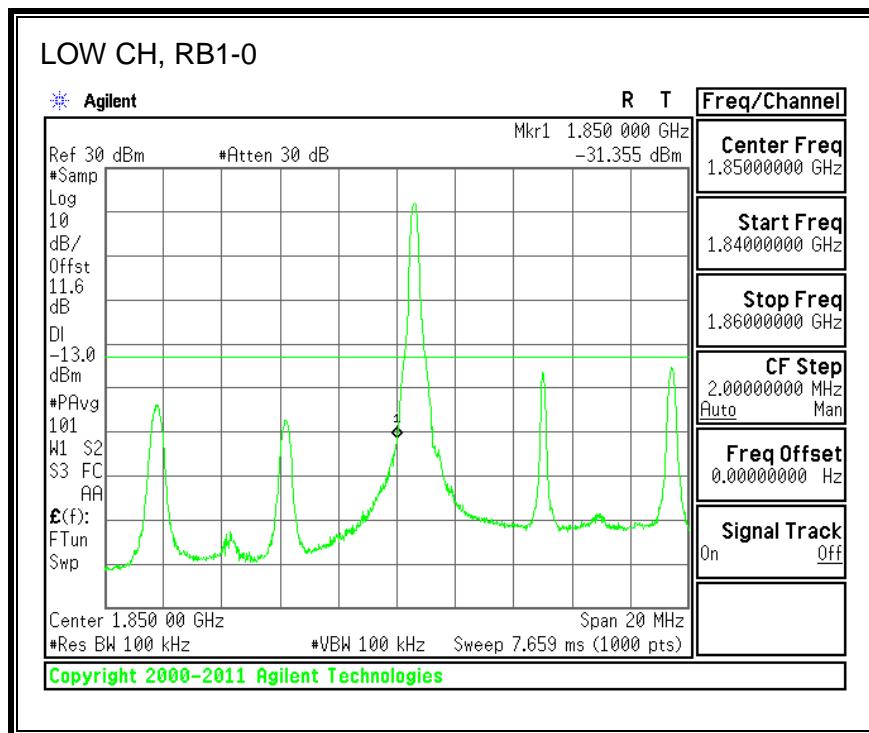


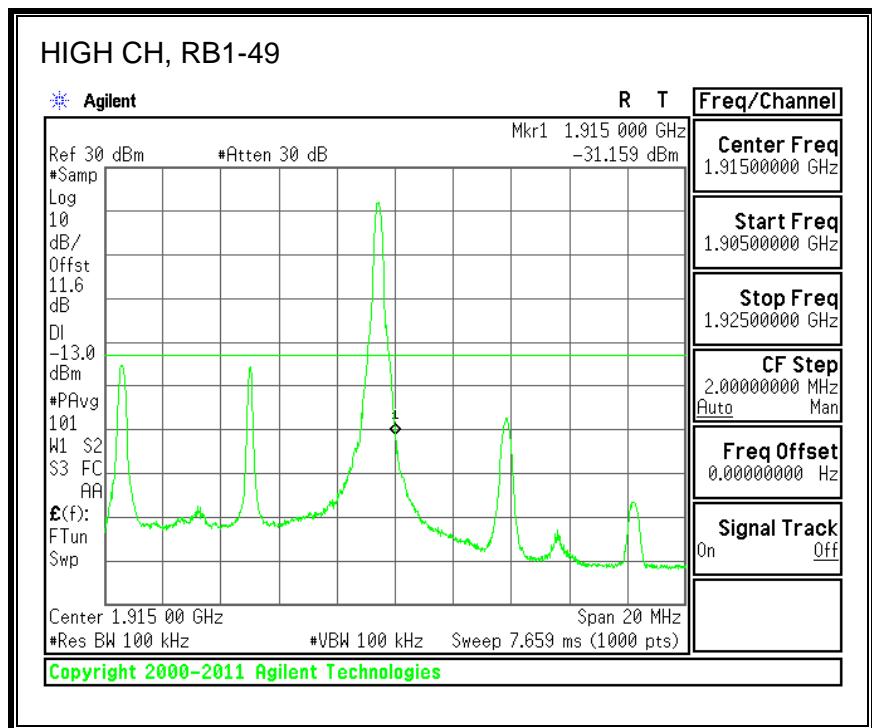
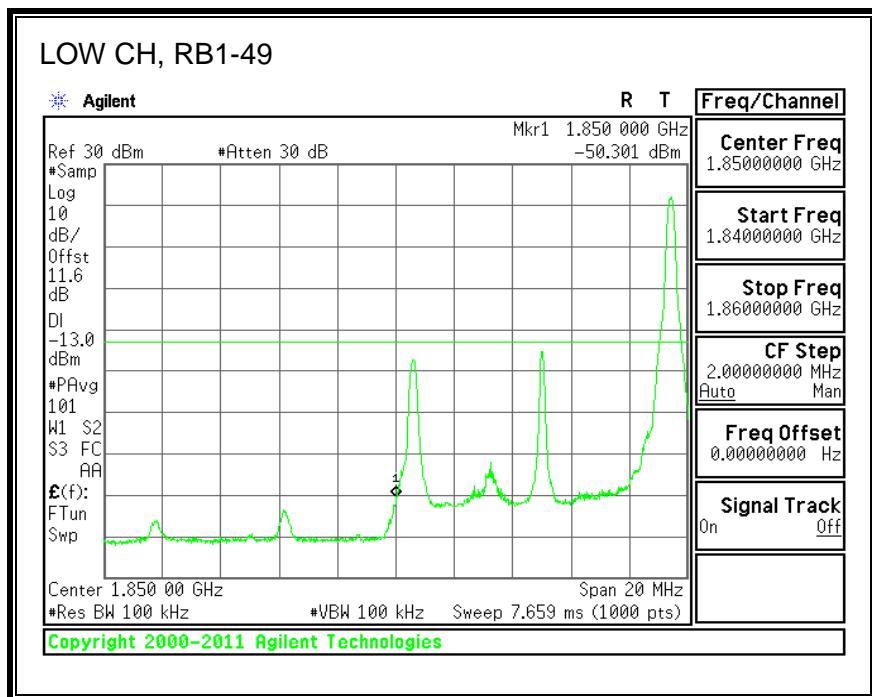


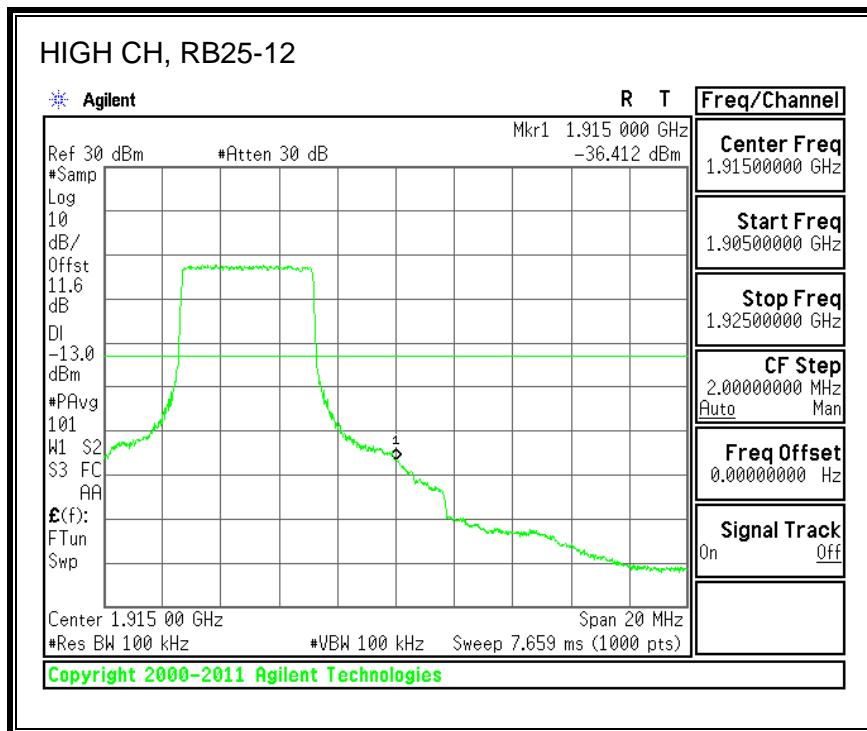
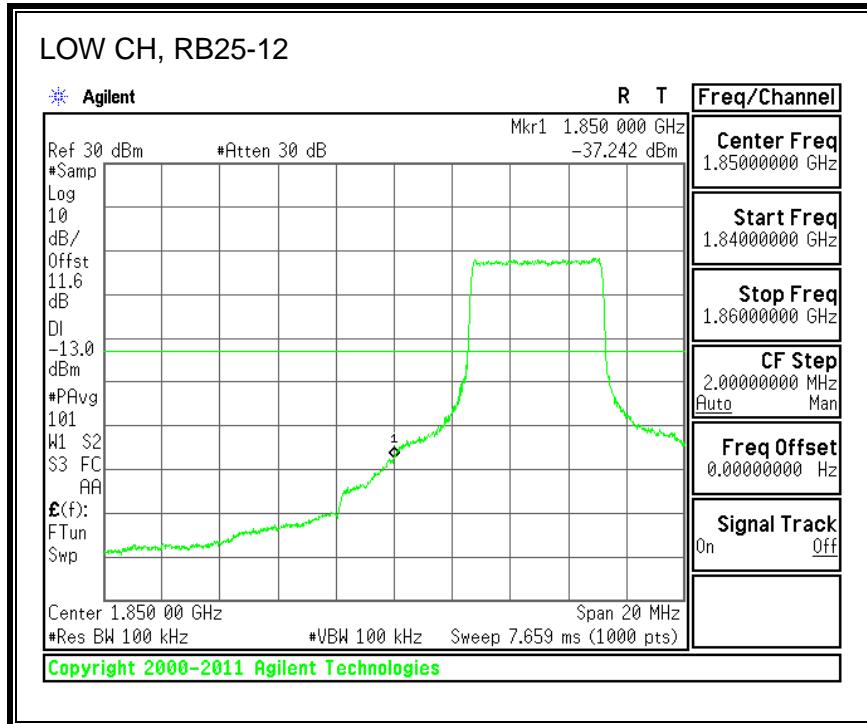


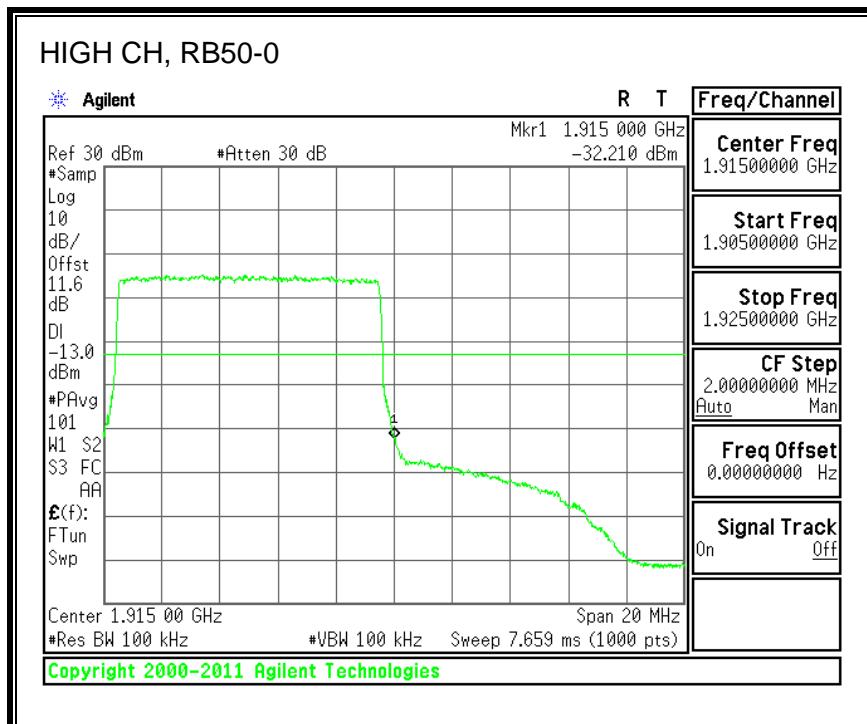
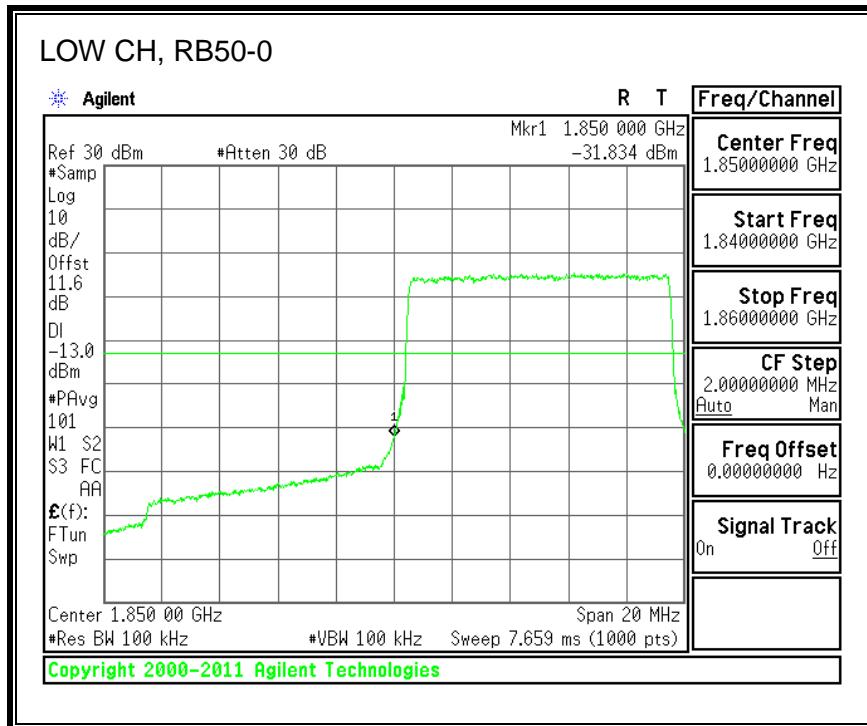


QPSK (10.0 MHz BAND WIDTH)

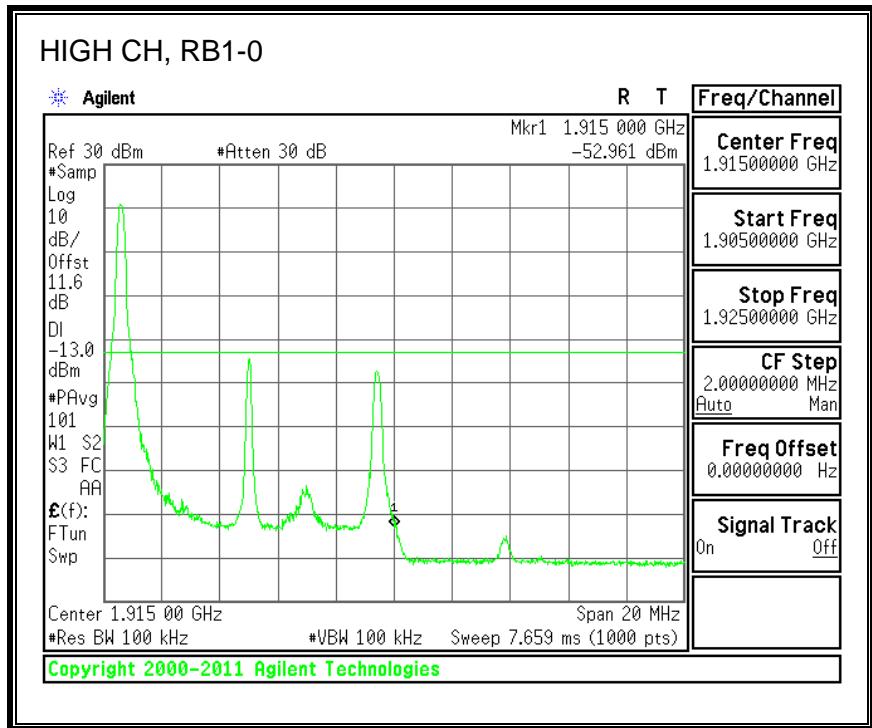
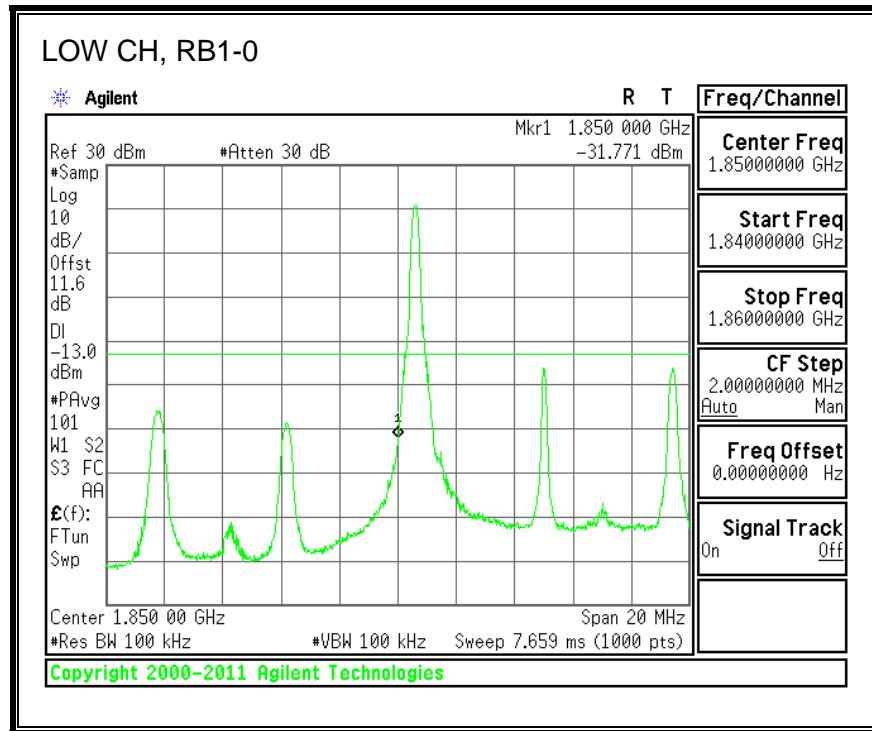


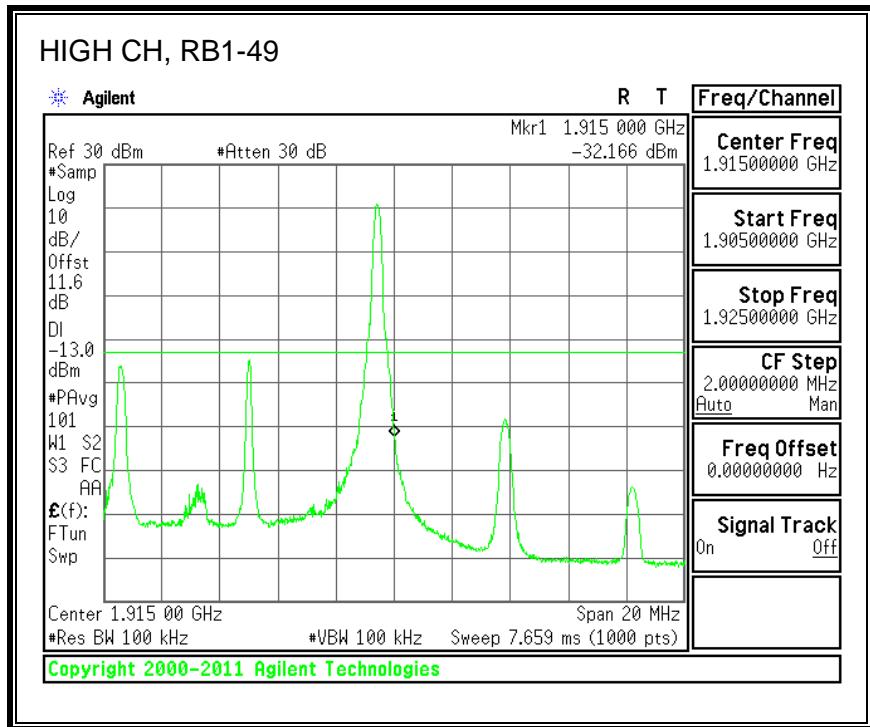
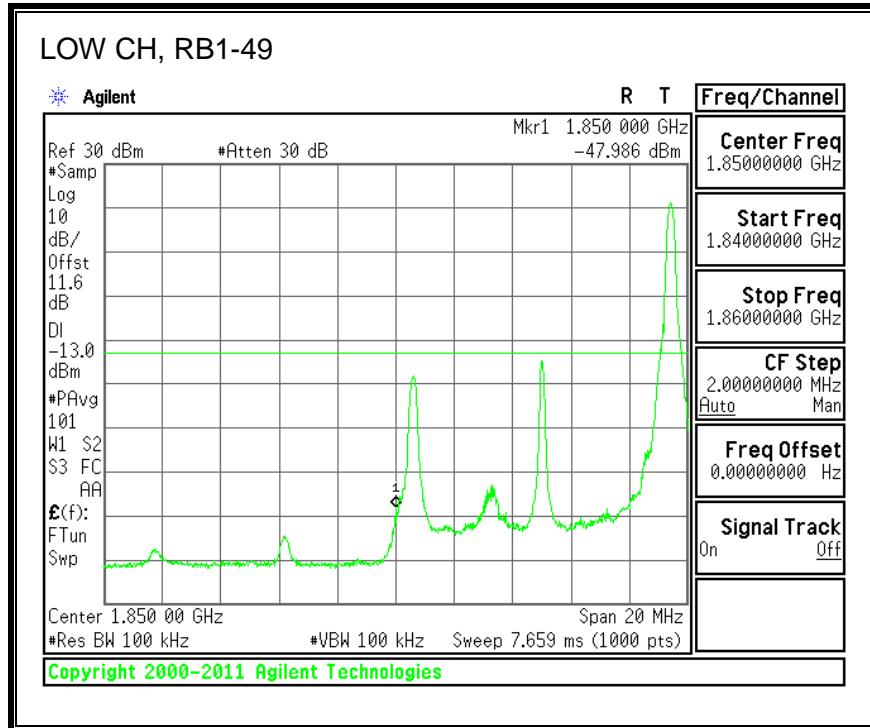


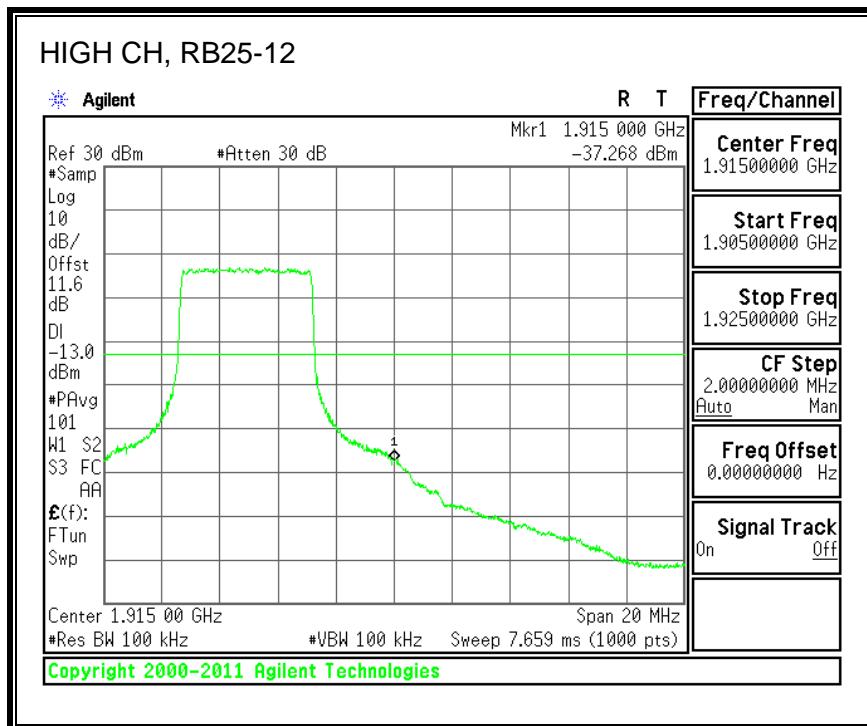
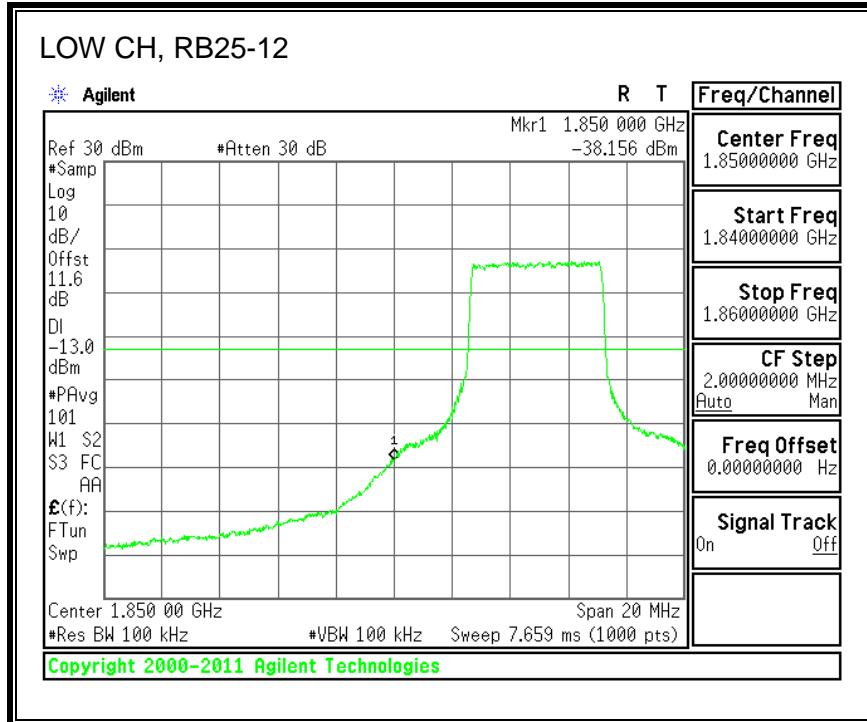


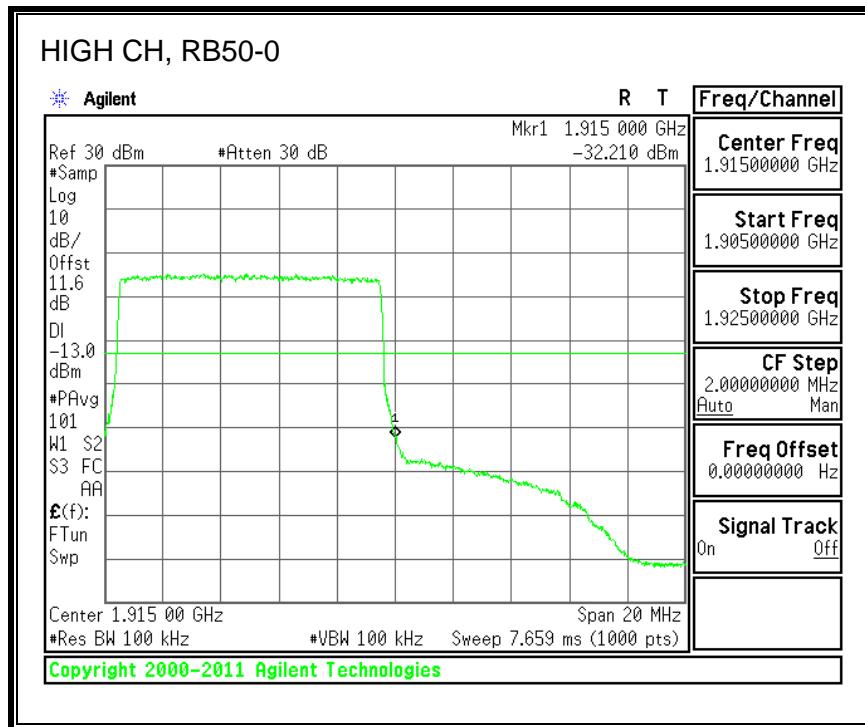
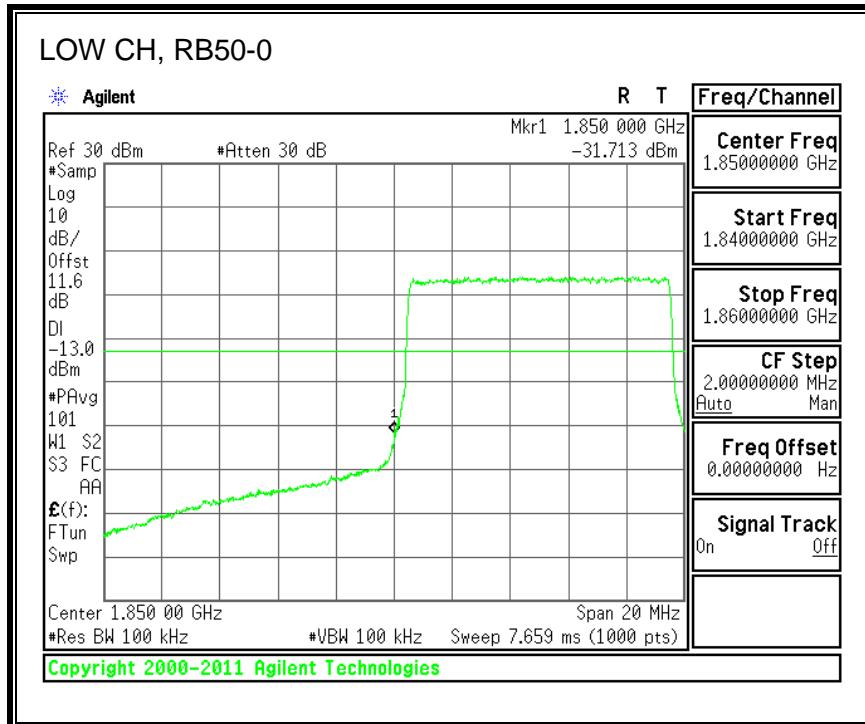


16QAM, (10.0 MHz BAND WIDTH)

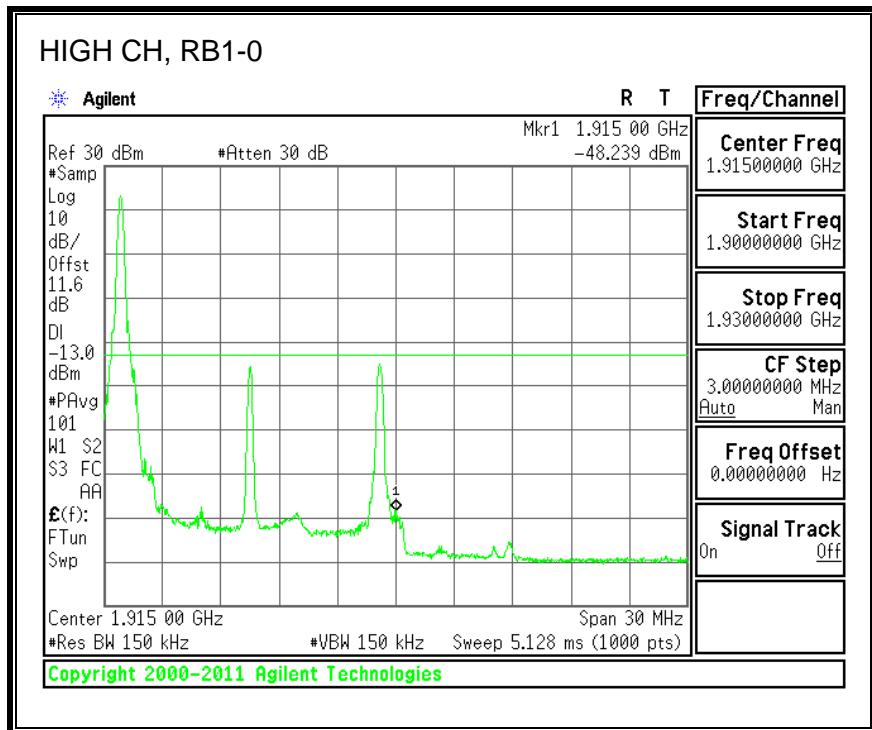
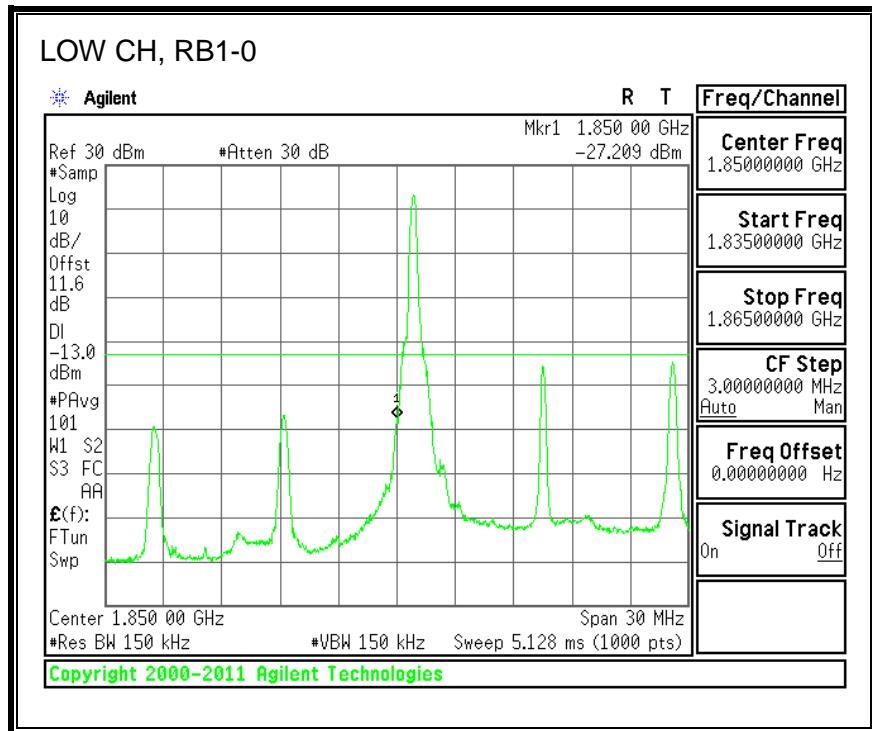


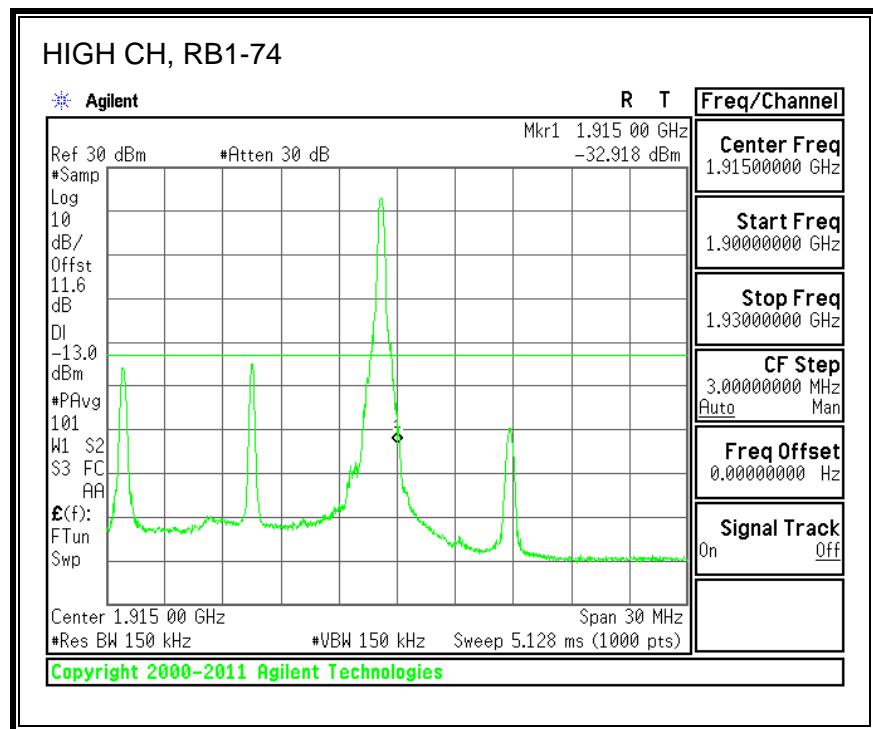
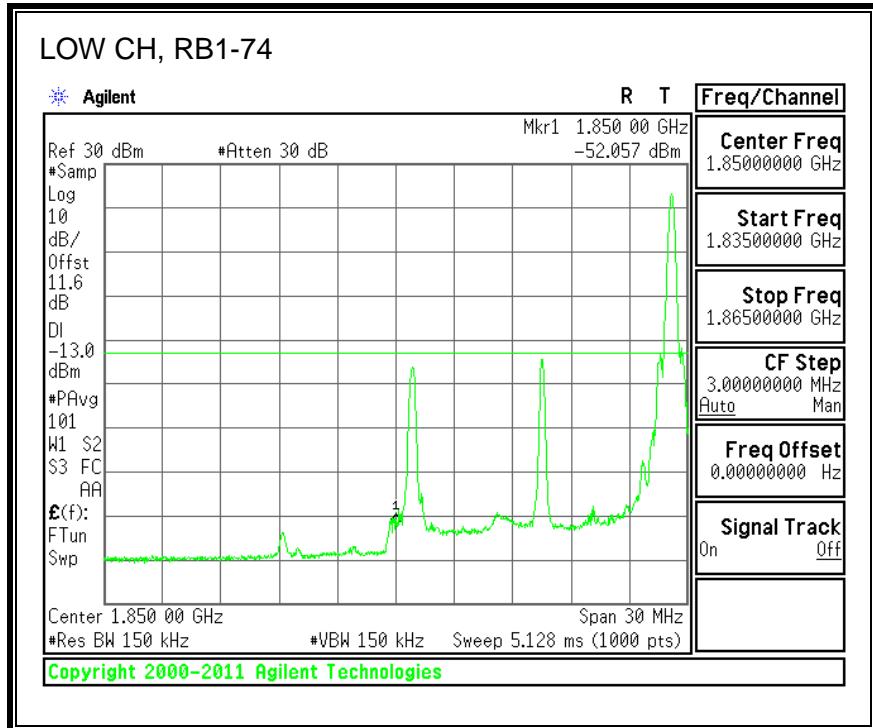


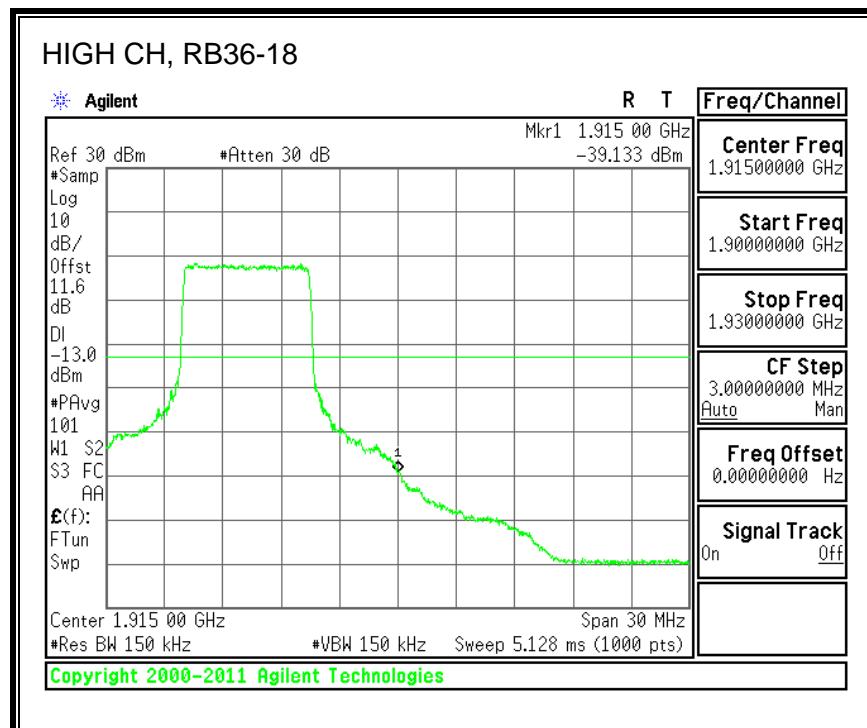
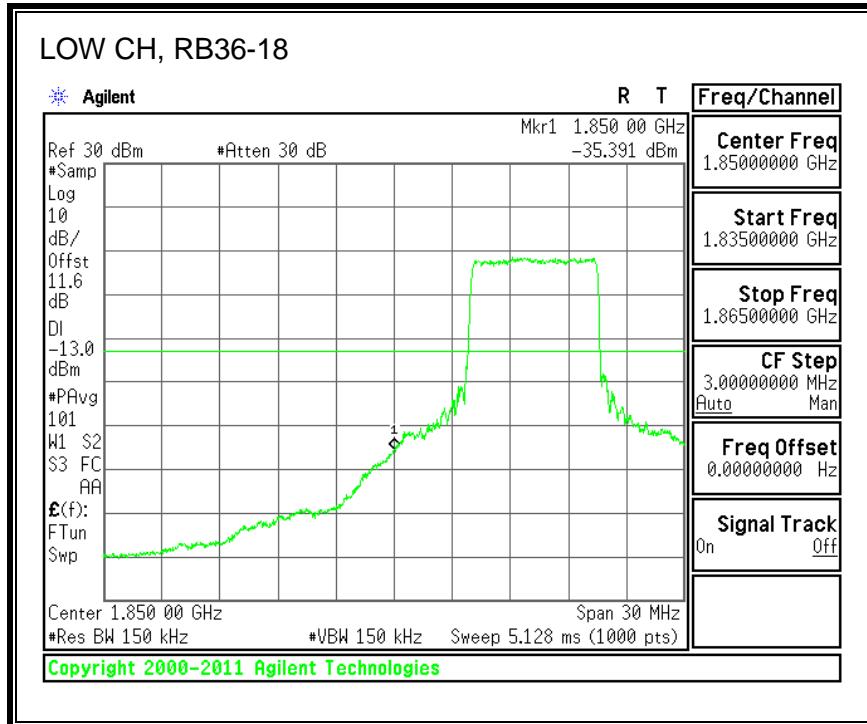


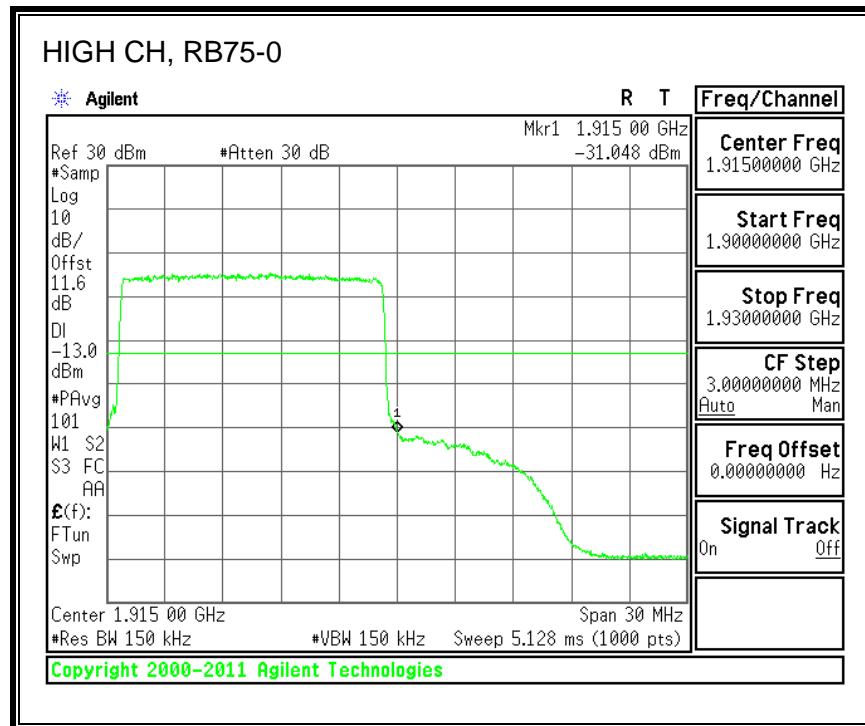
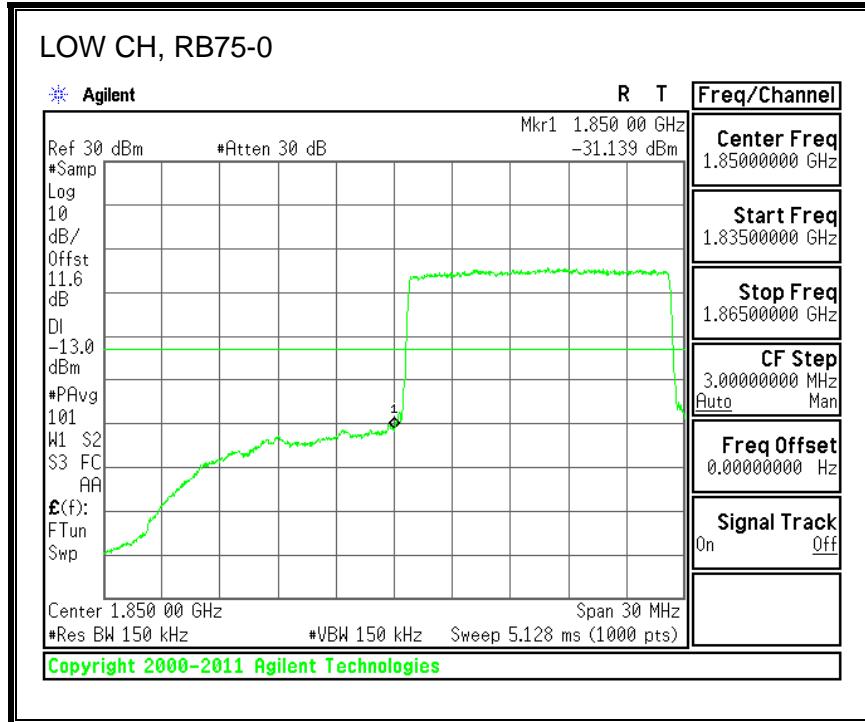


QPSK, (15.0 MHz BAND WIDTH)

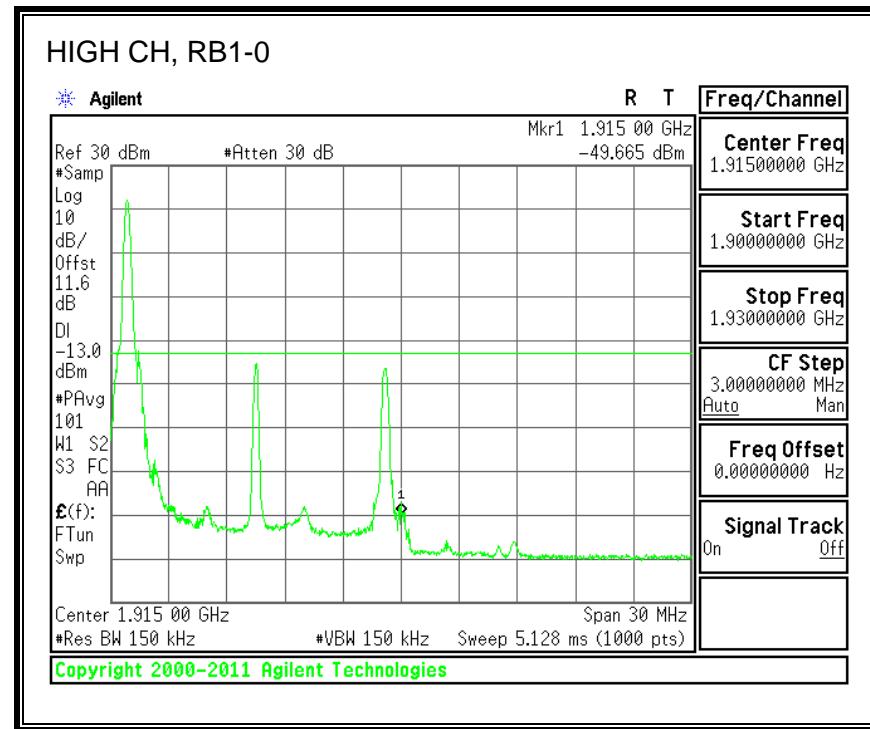
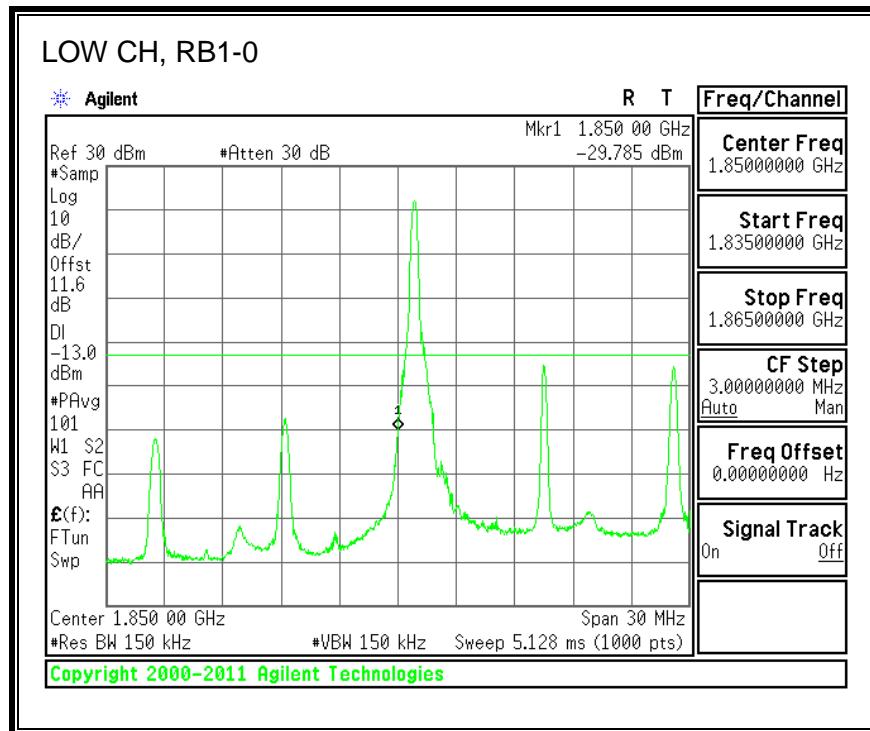


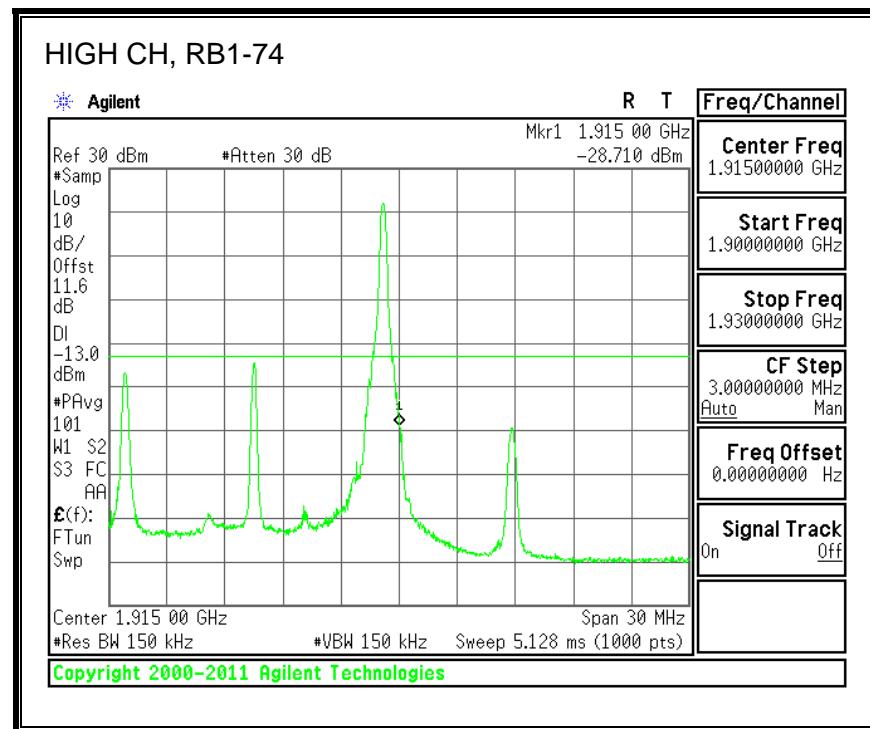
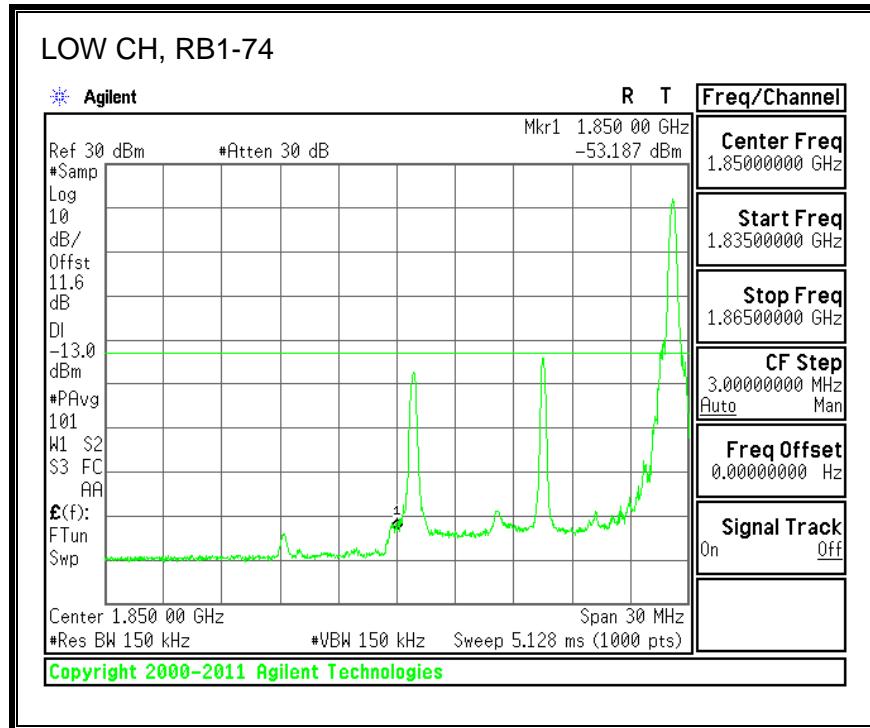


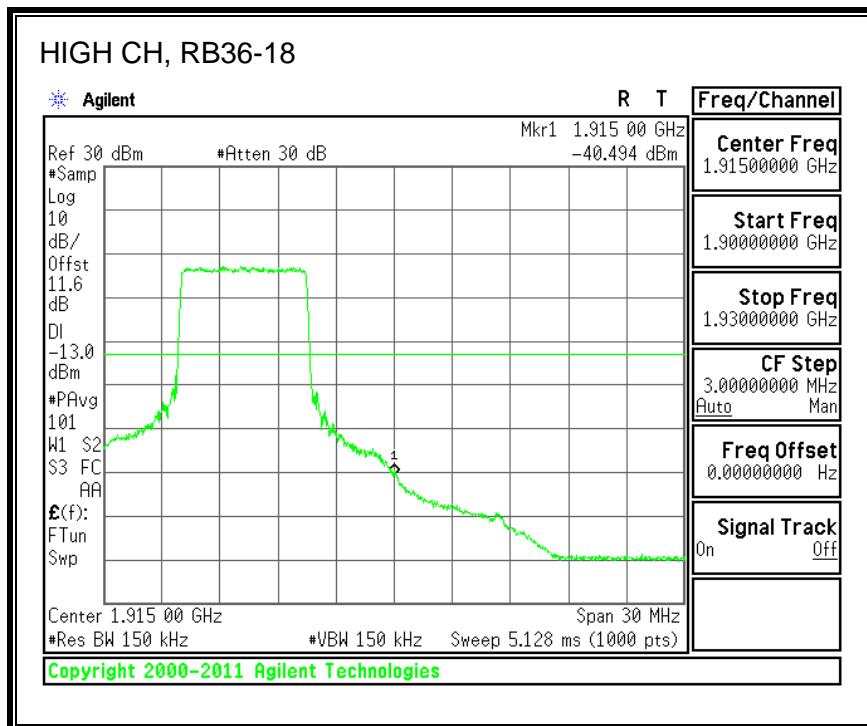
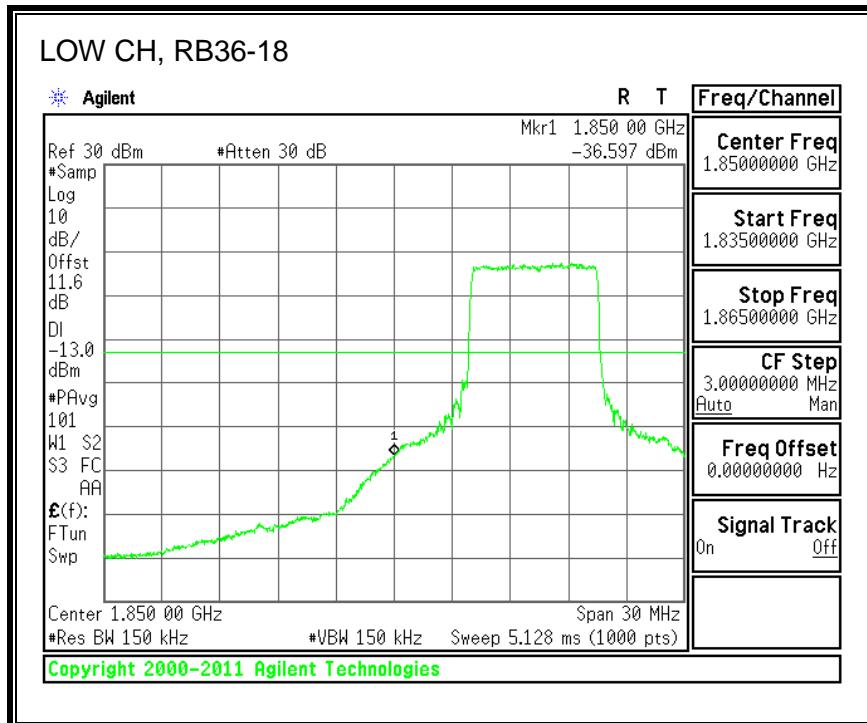


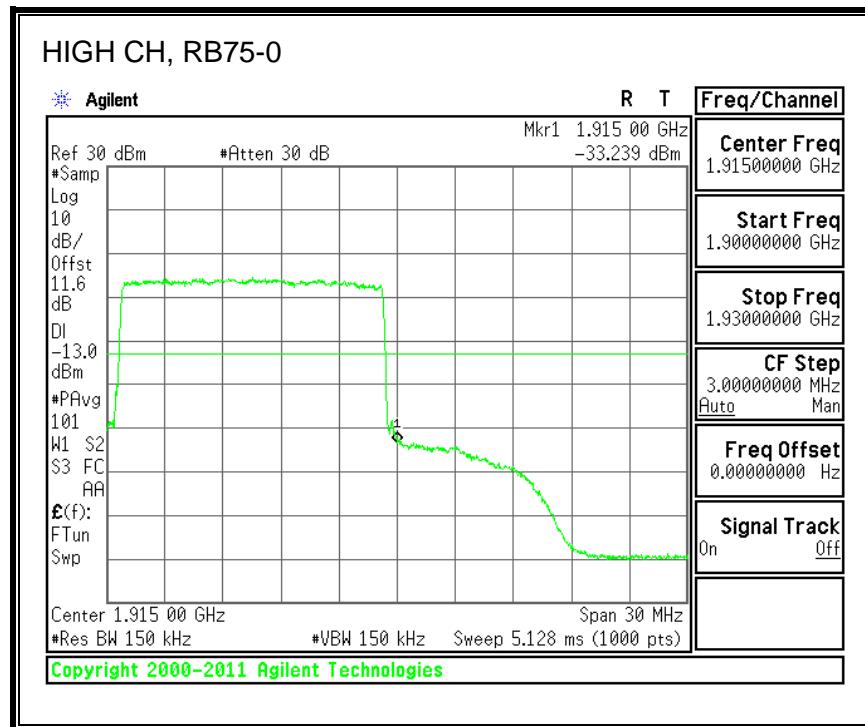
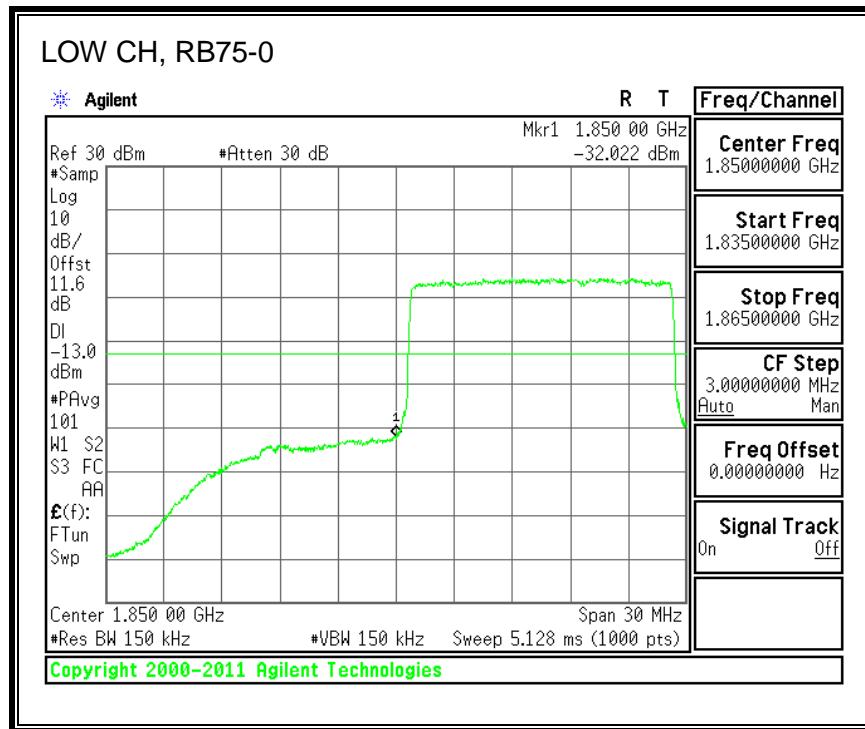


16QAM, (15.0 MHz BAND WIDTH)

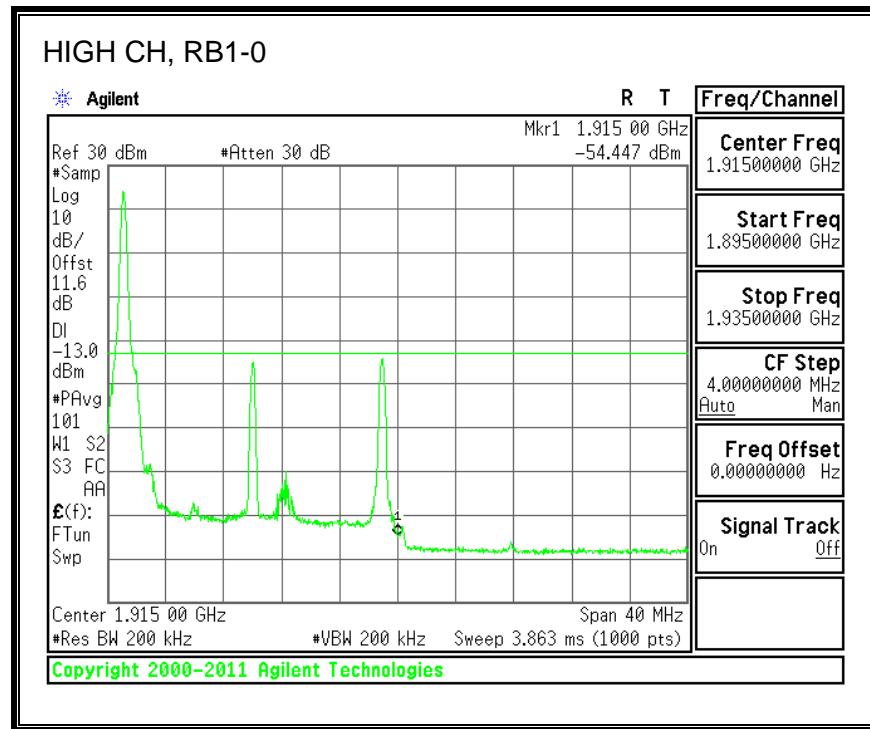
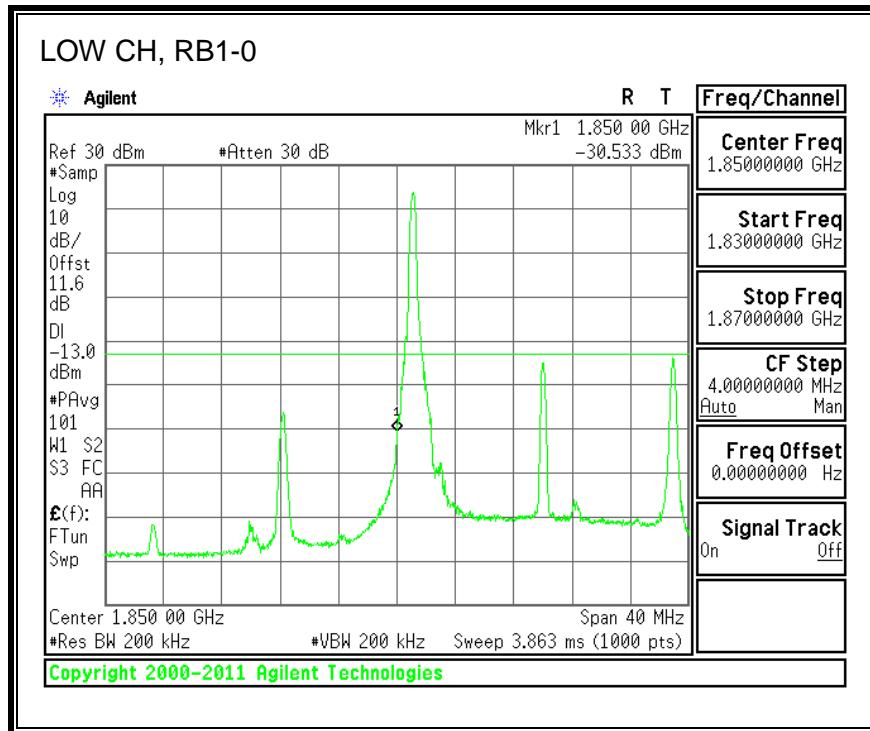


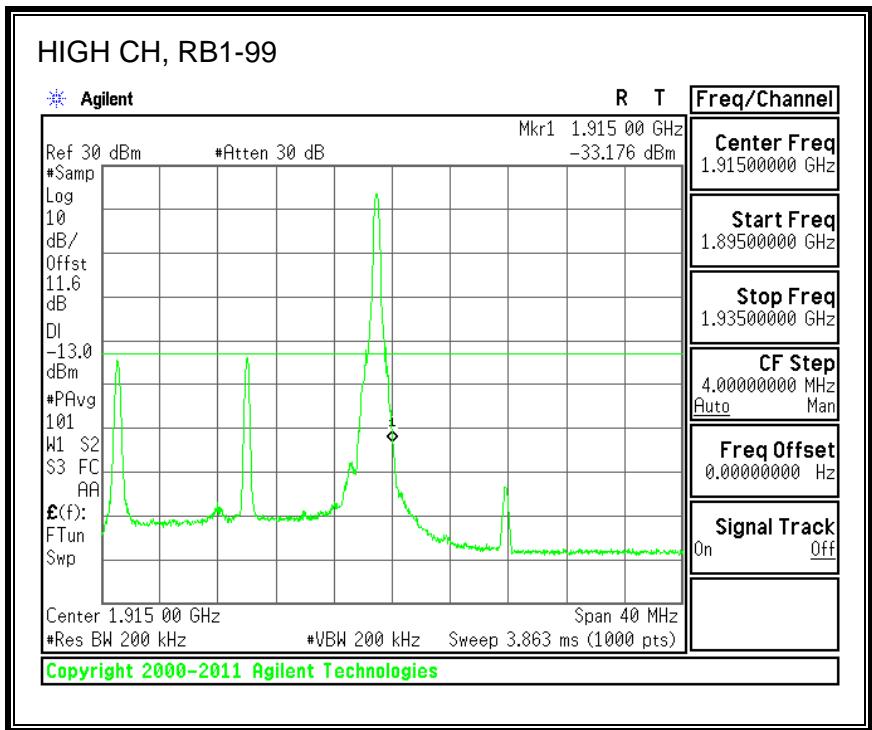
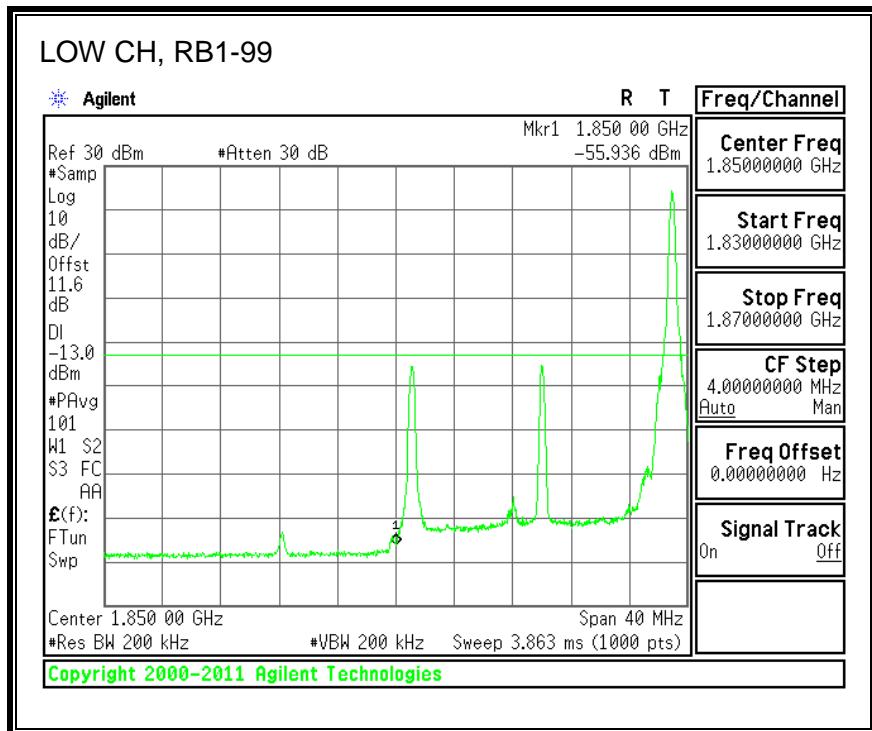


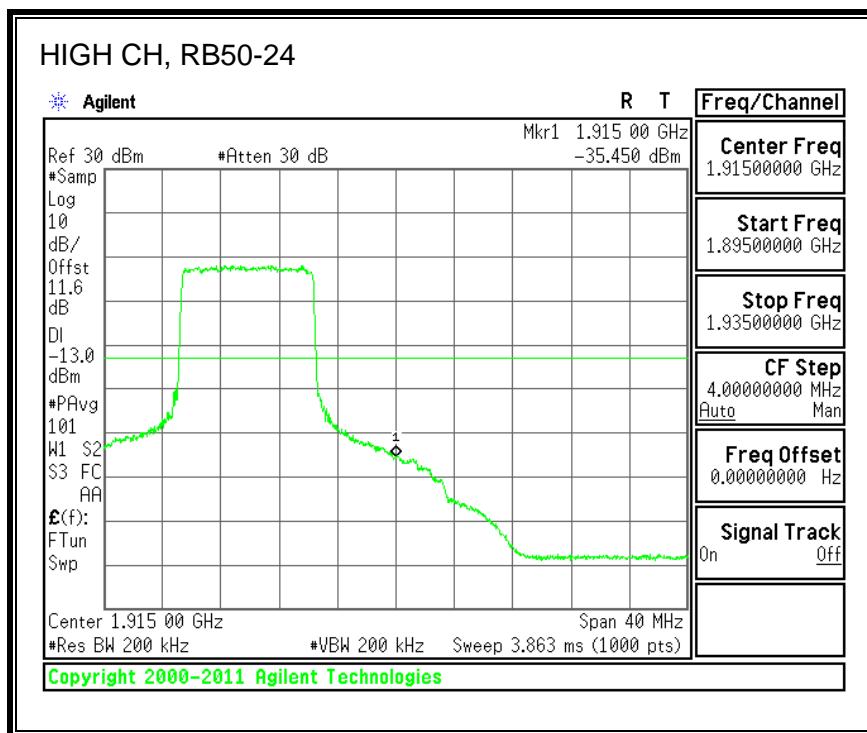
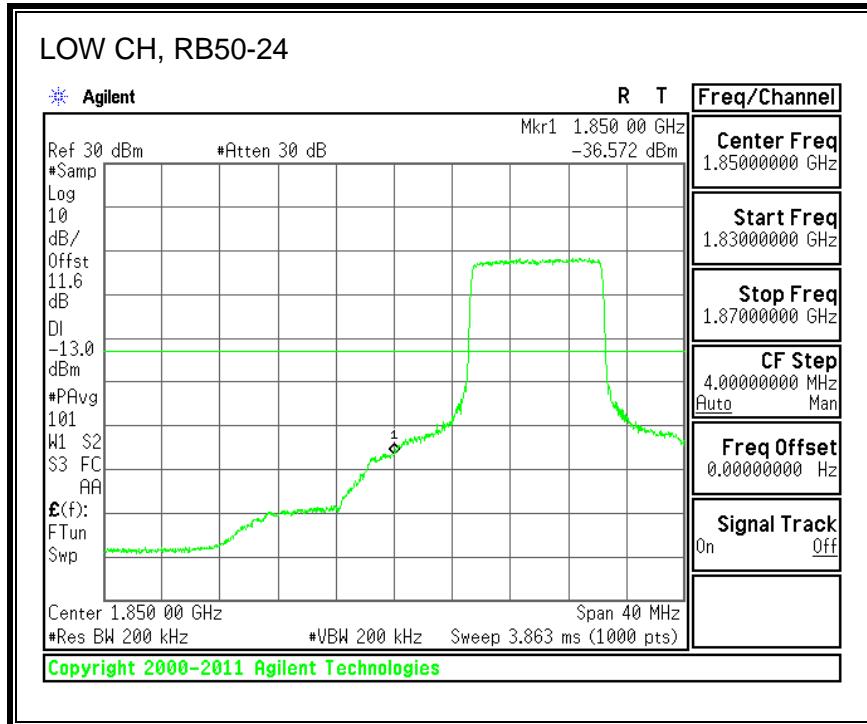


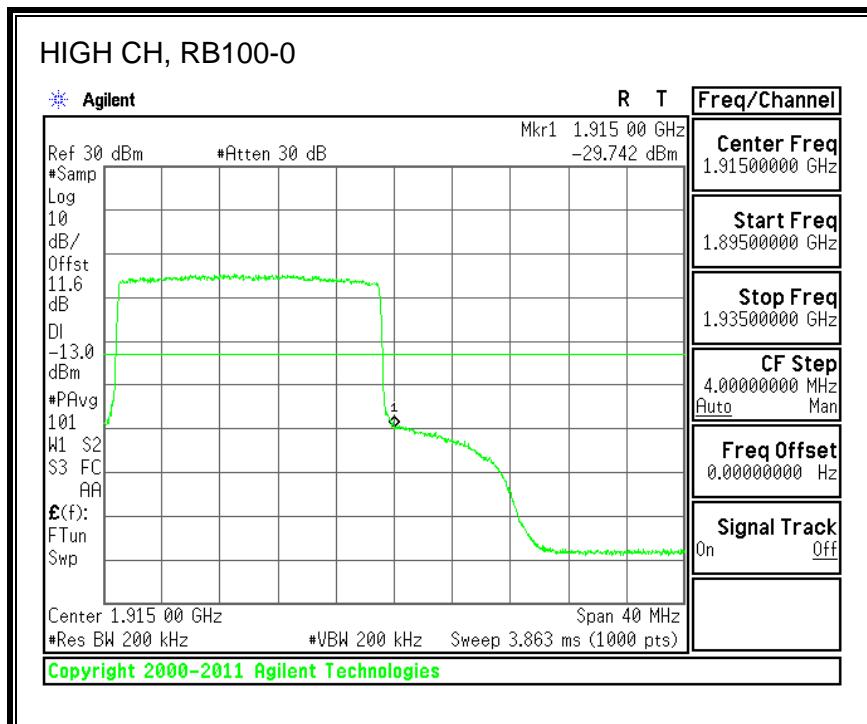
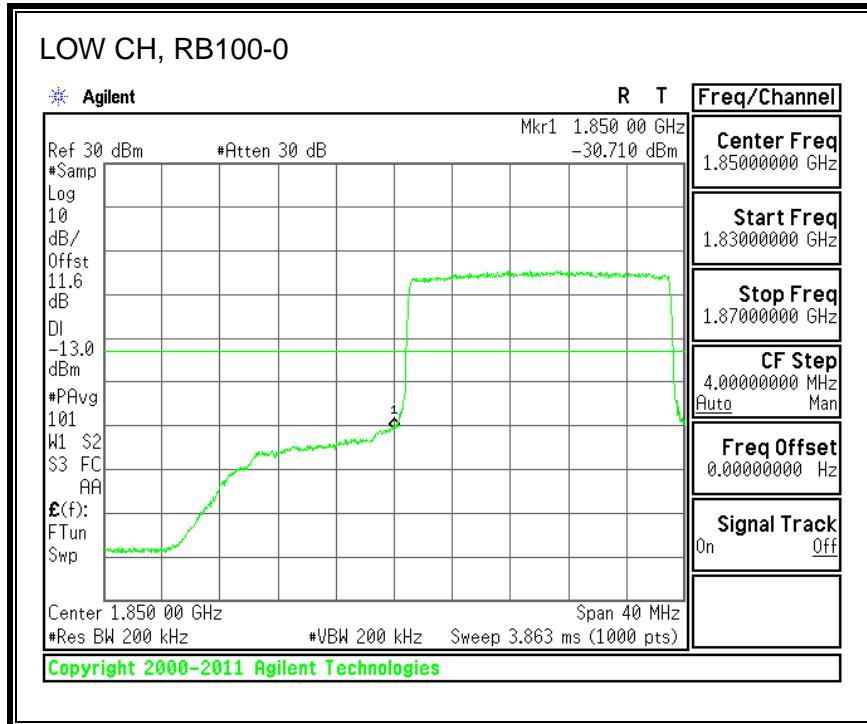


QPSK, (20.0 MHz BAND WIDTH)

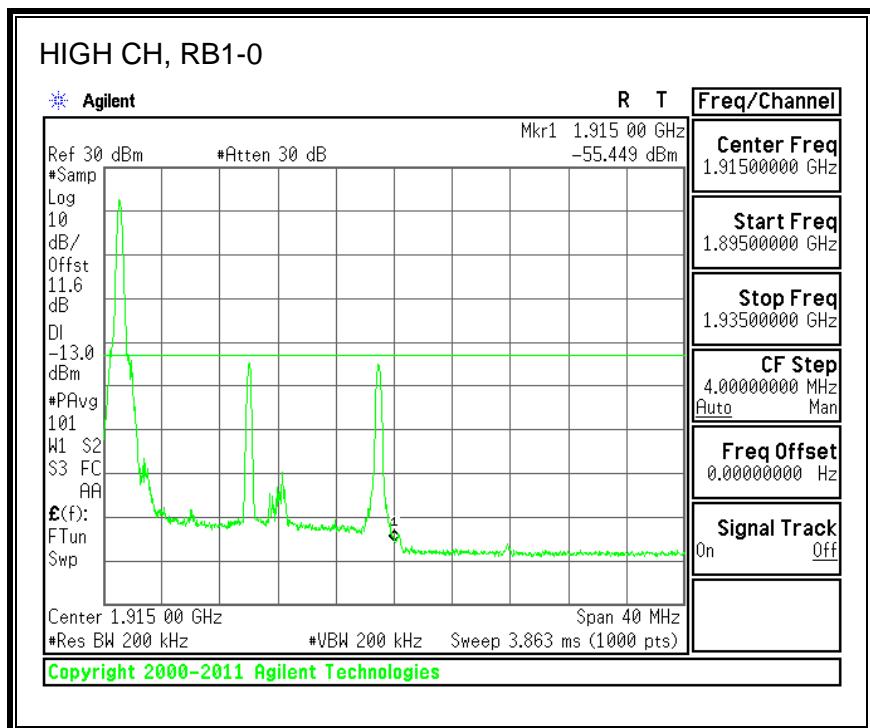
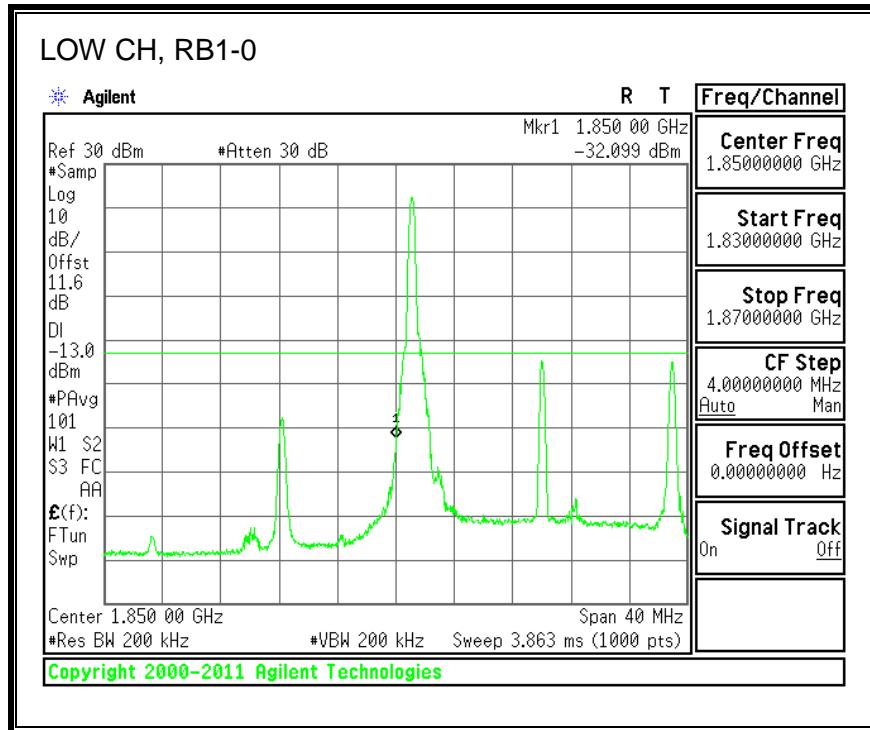


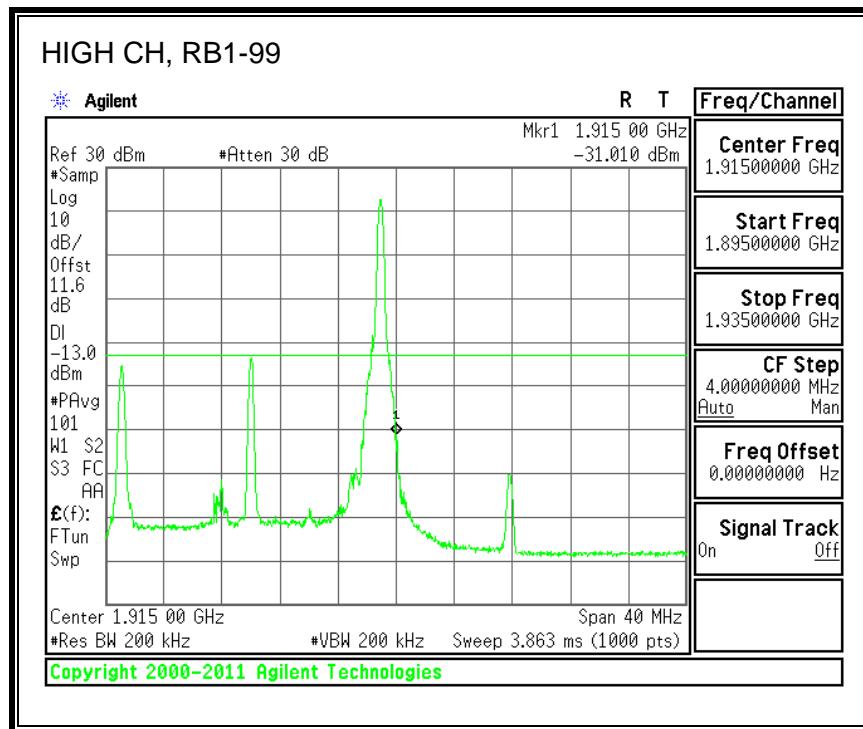
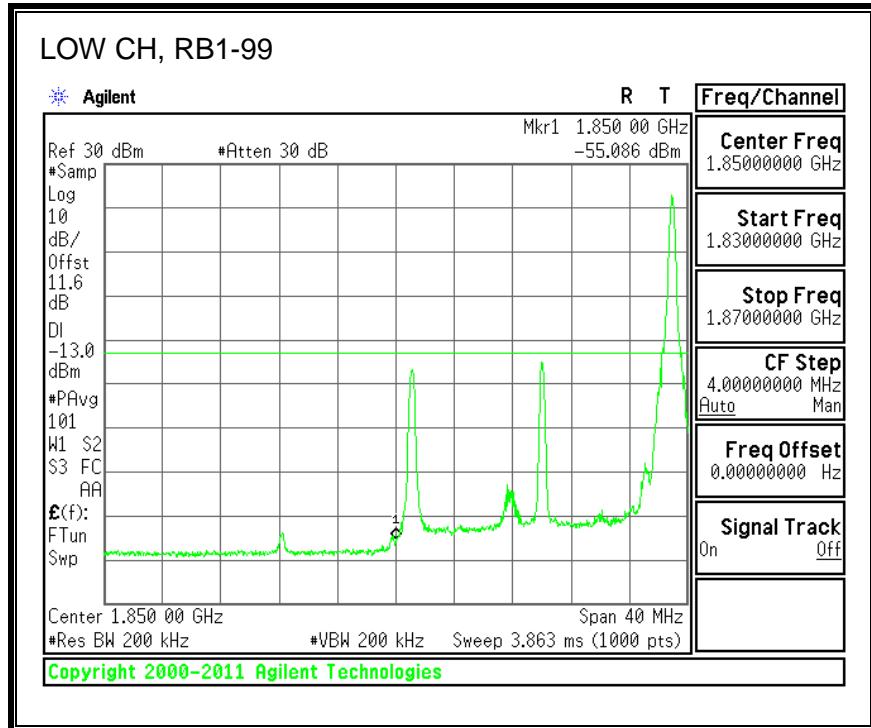


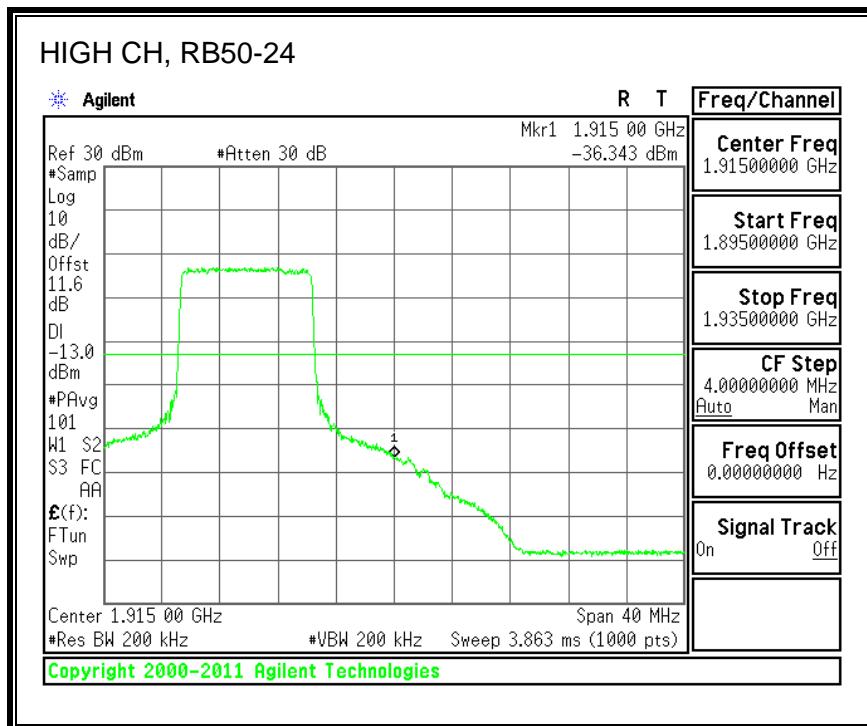
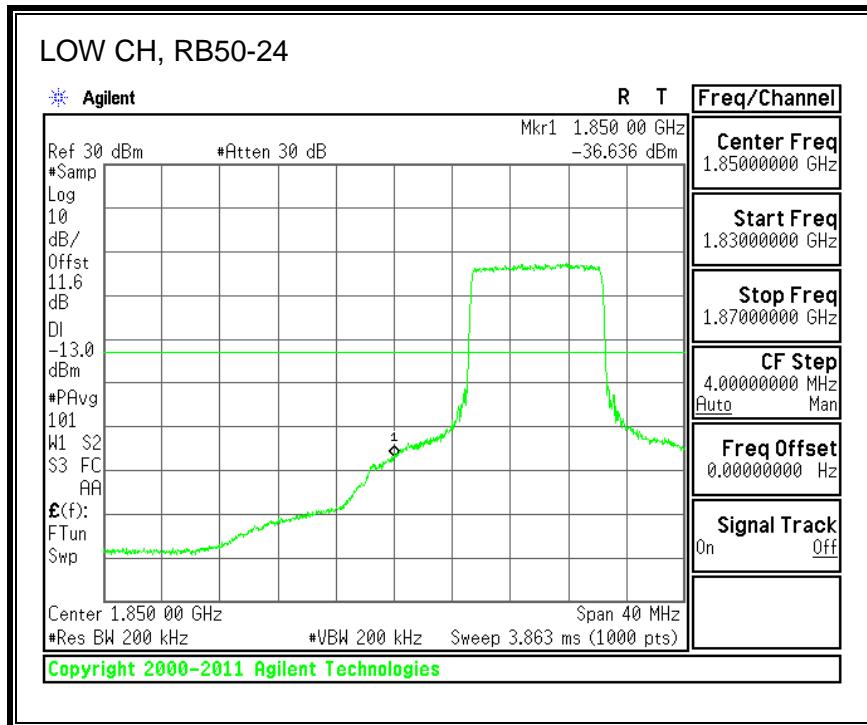


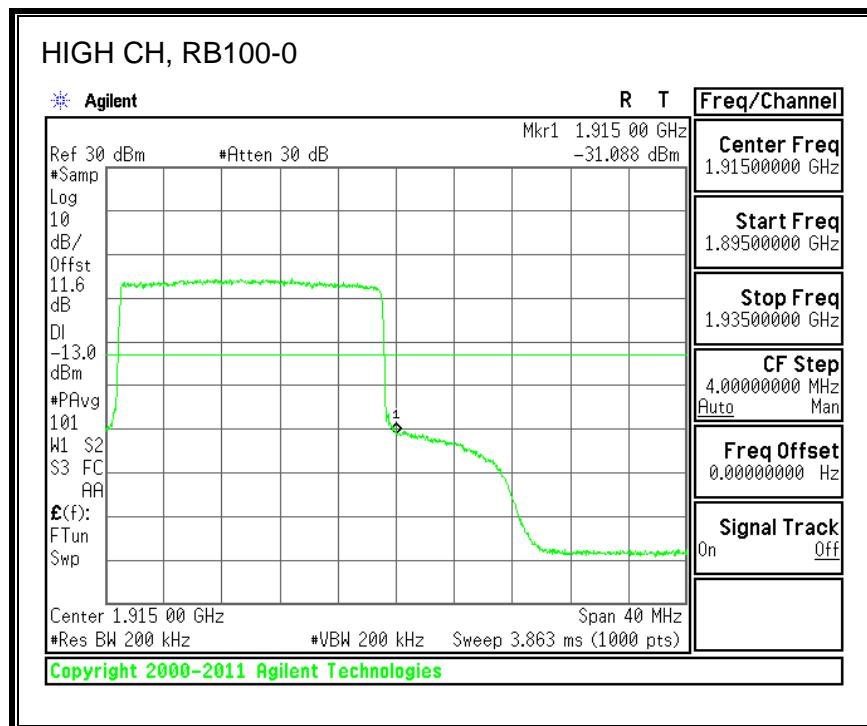
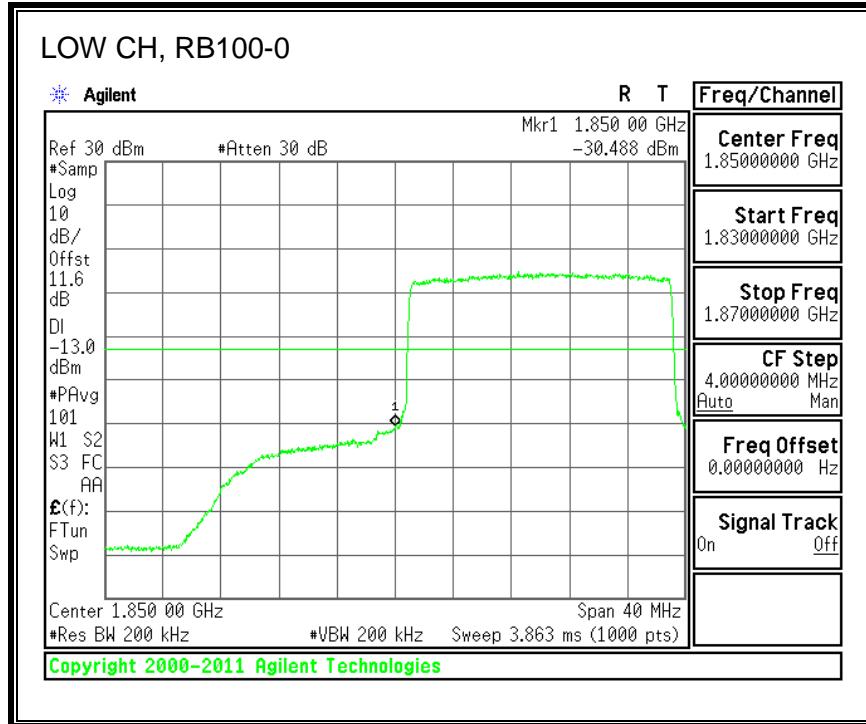


16QAM, (20.0 MHz BAND WIDTH)



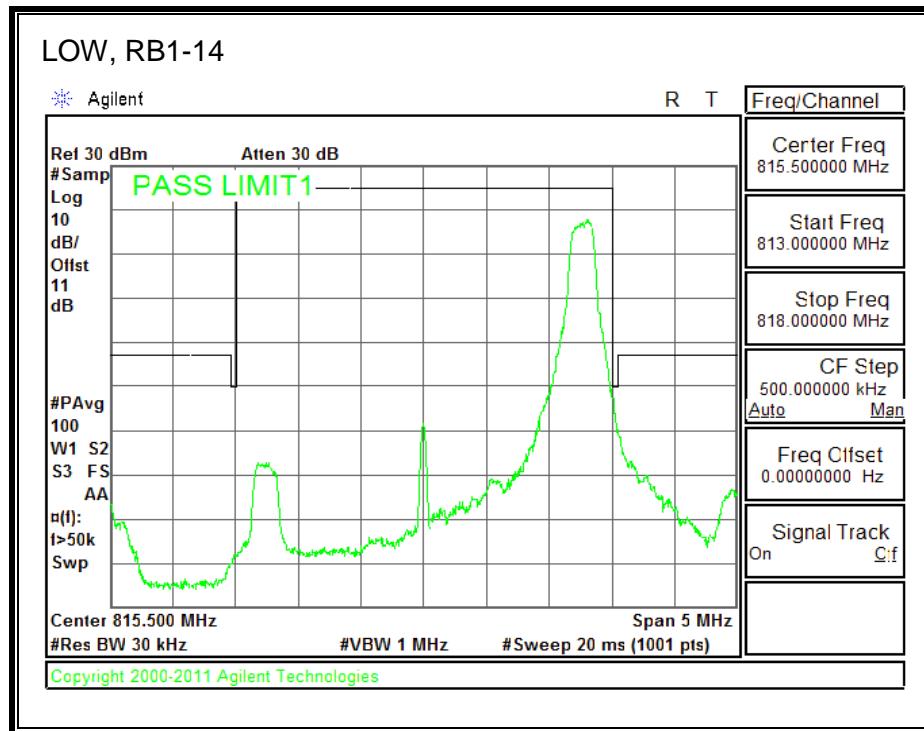
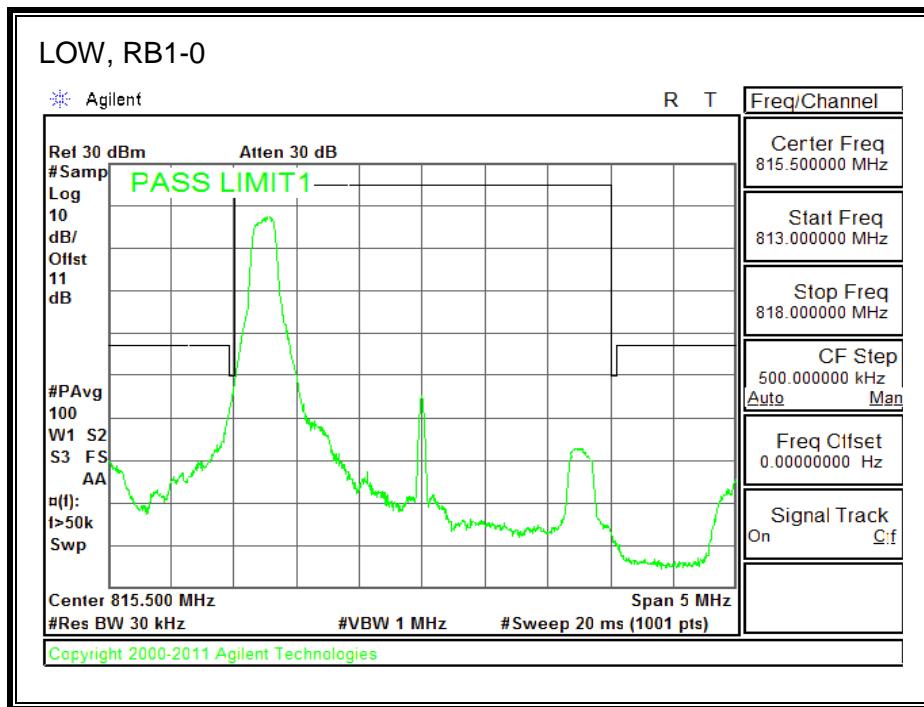


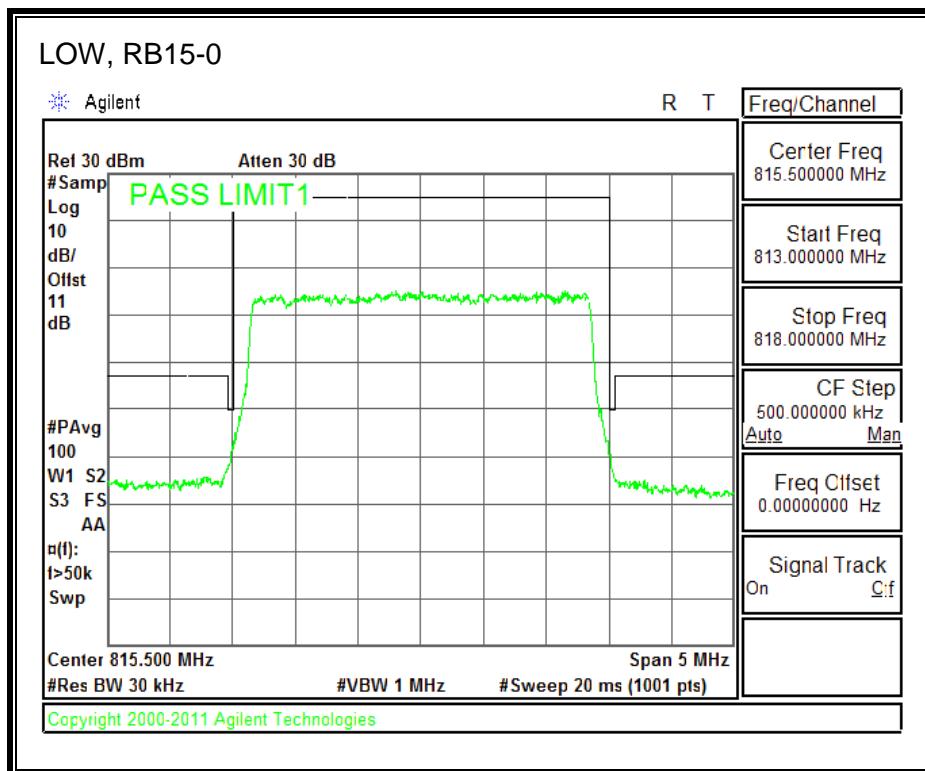
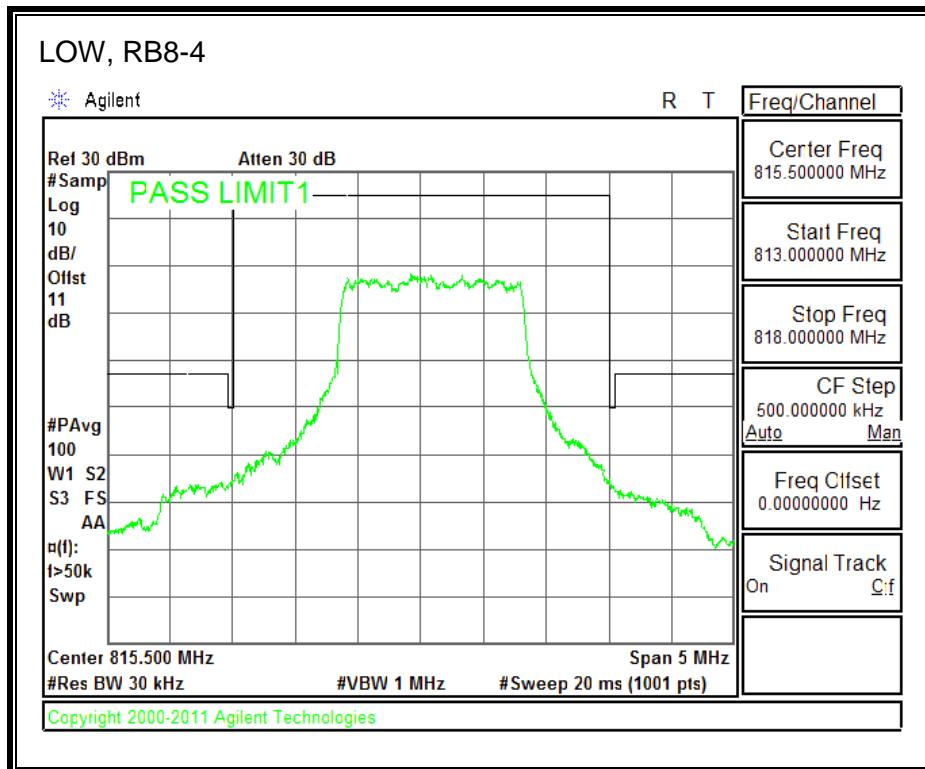




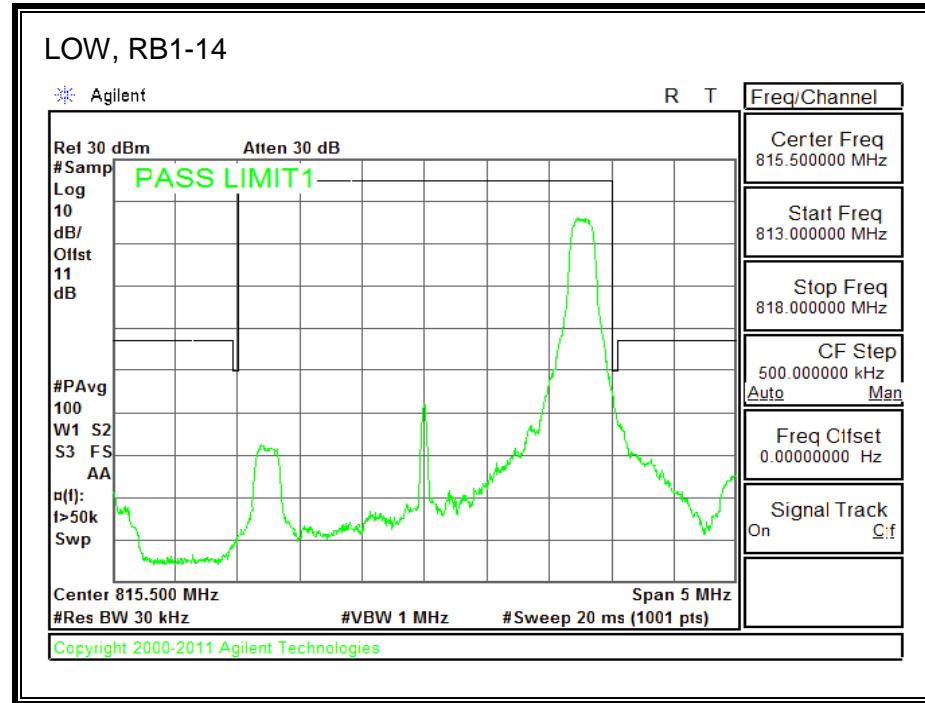
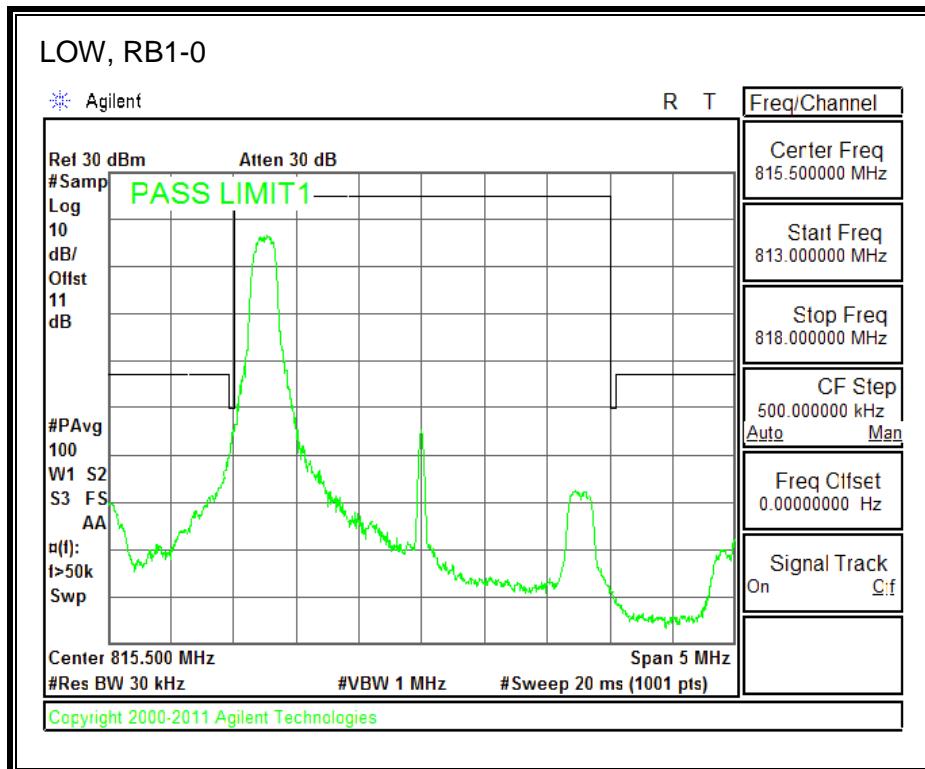
8.2.8. LTE BAND 26 EMISSION MASK

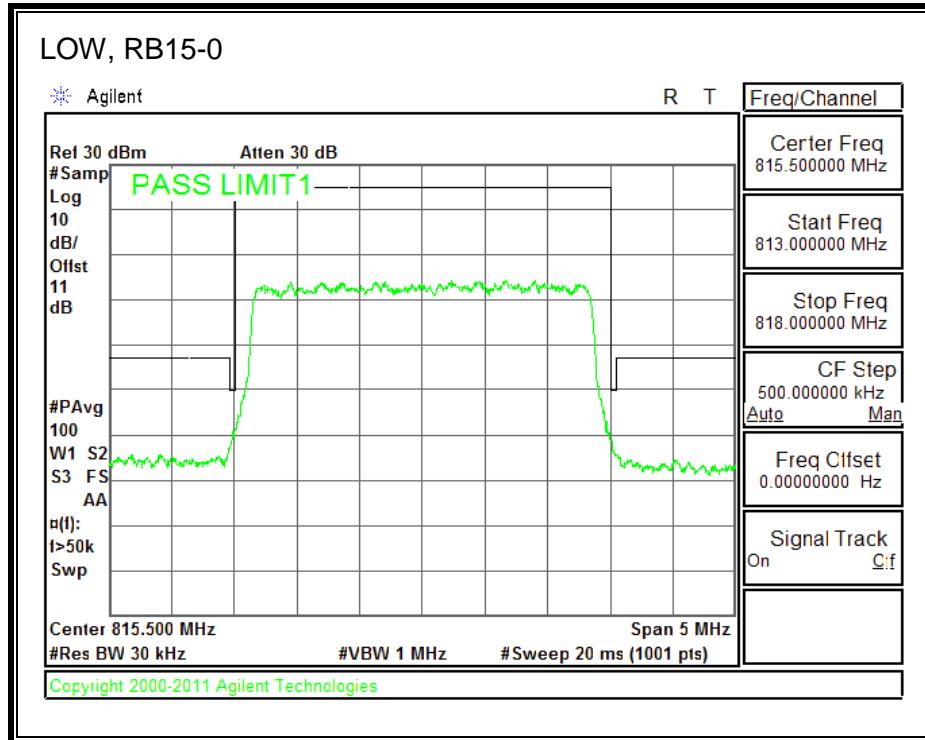
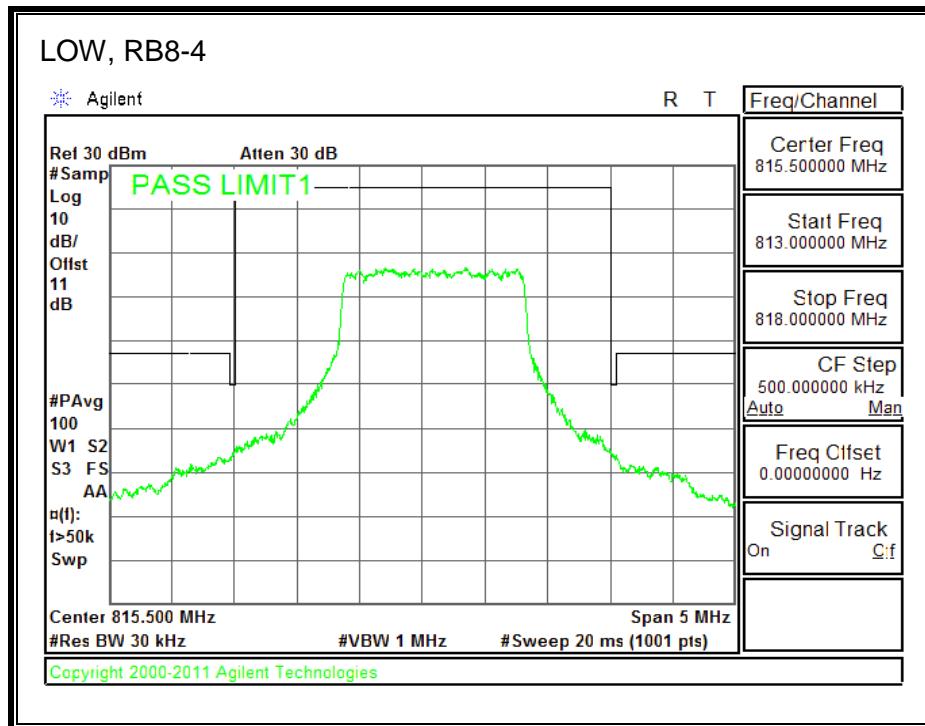
QPSK, (3.0 MHz BAND WIDTH)



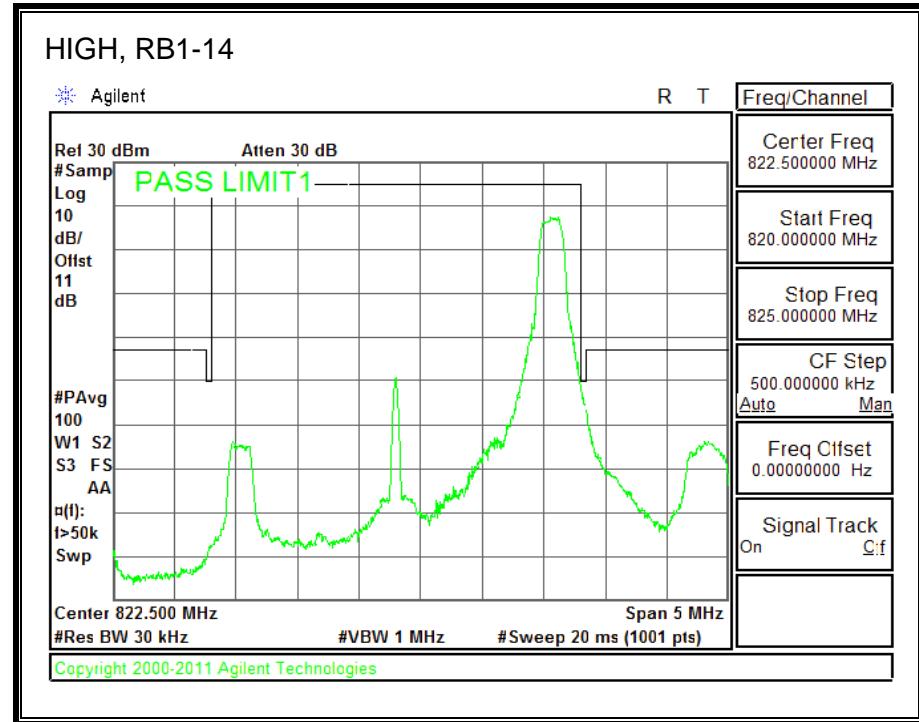
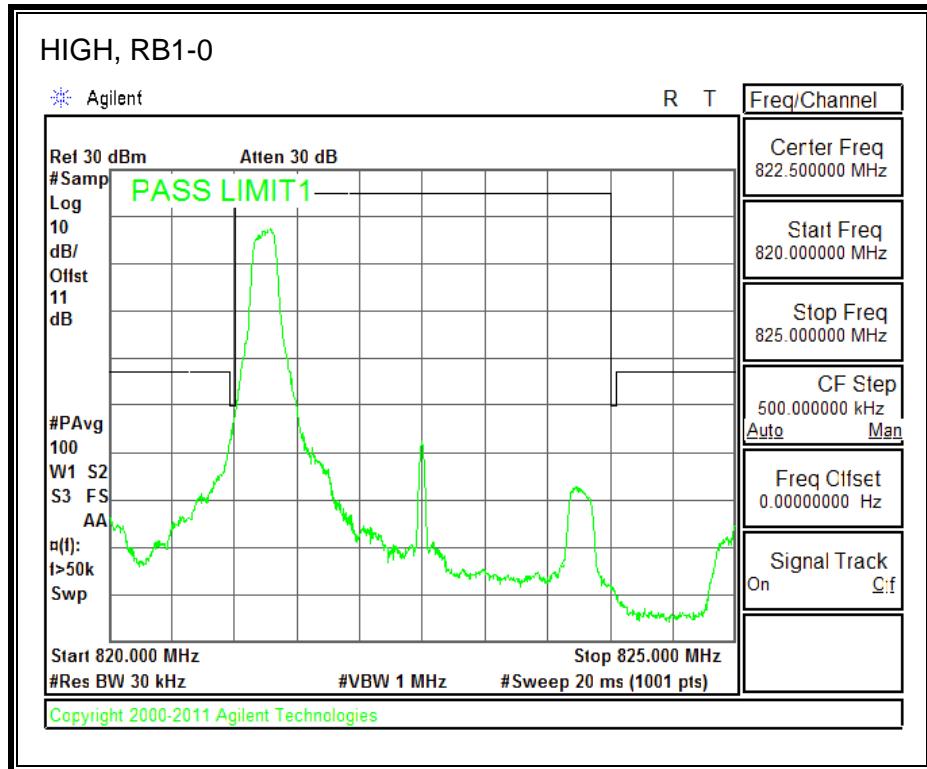


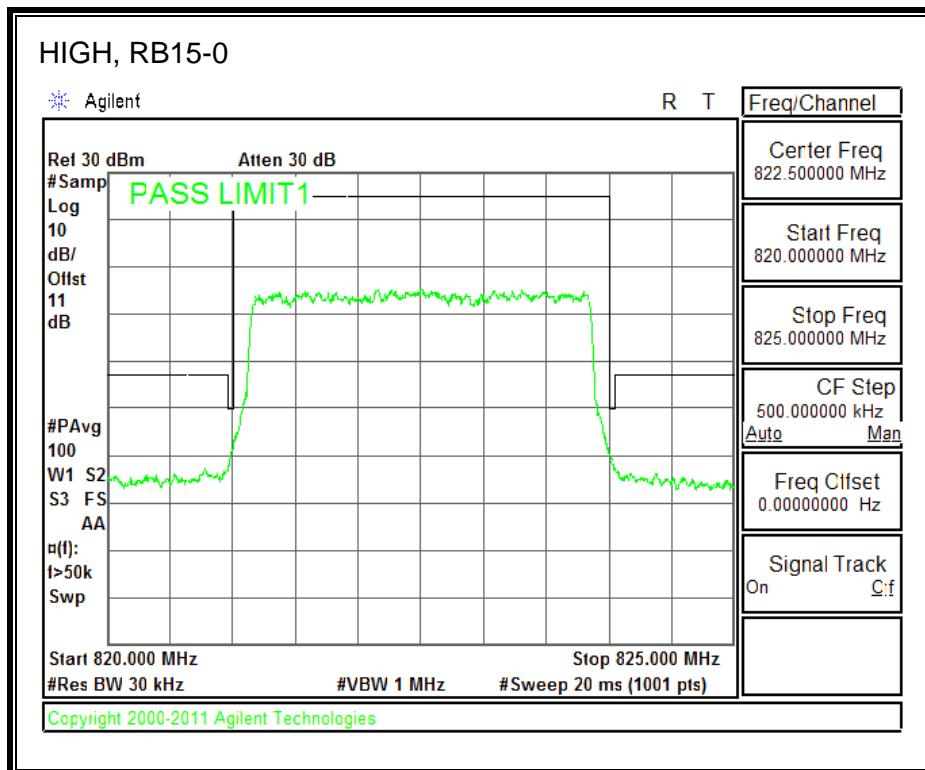
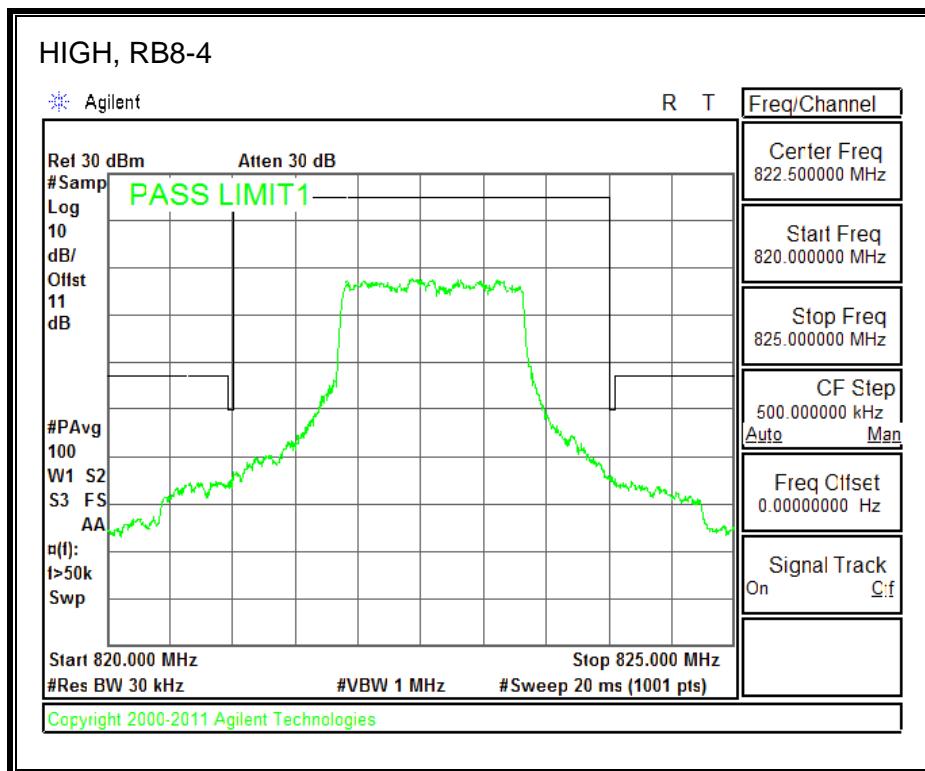
16QAM, (3.0 MHz BAND WIDTH)



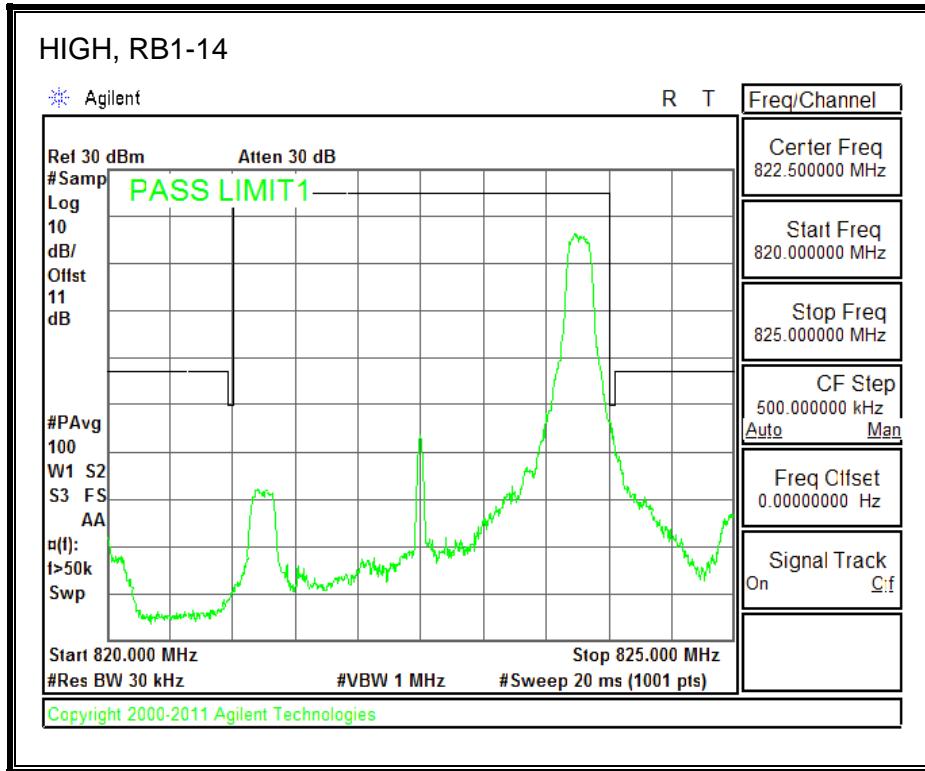
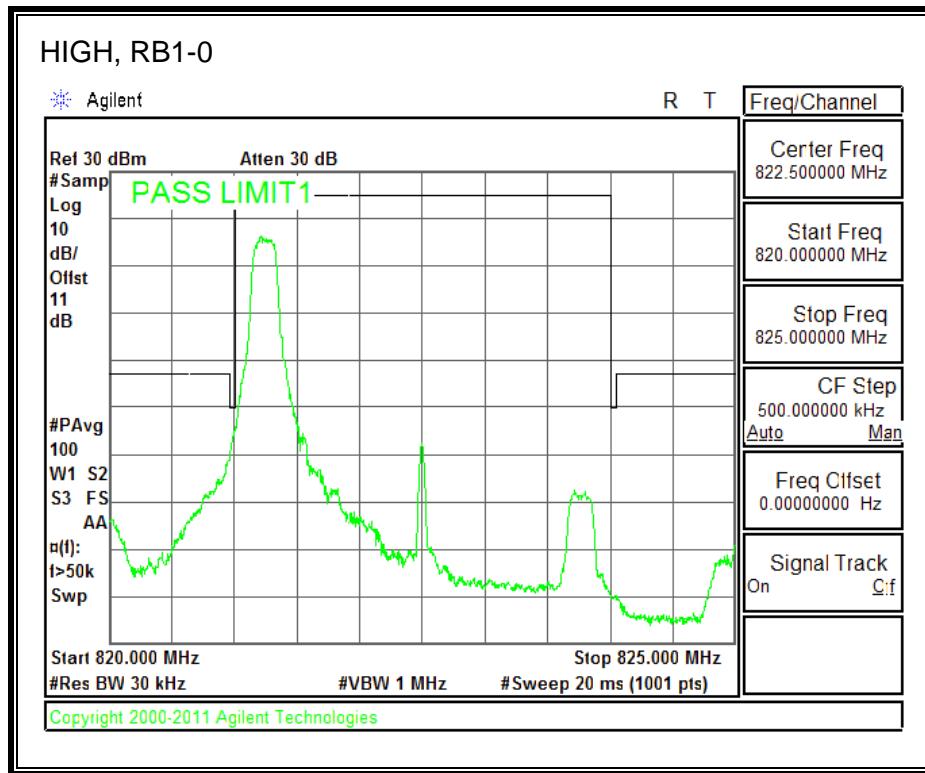


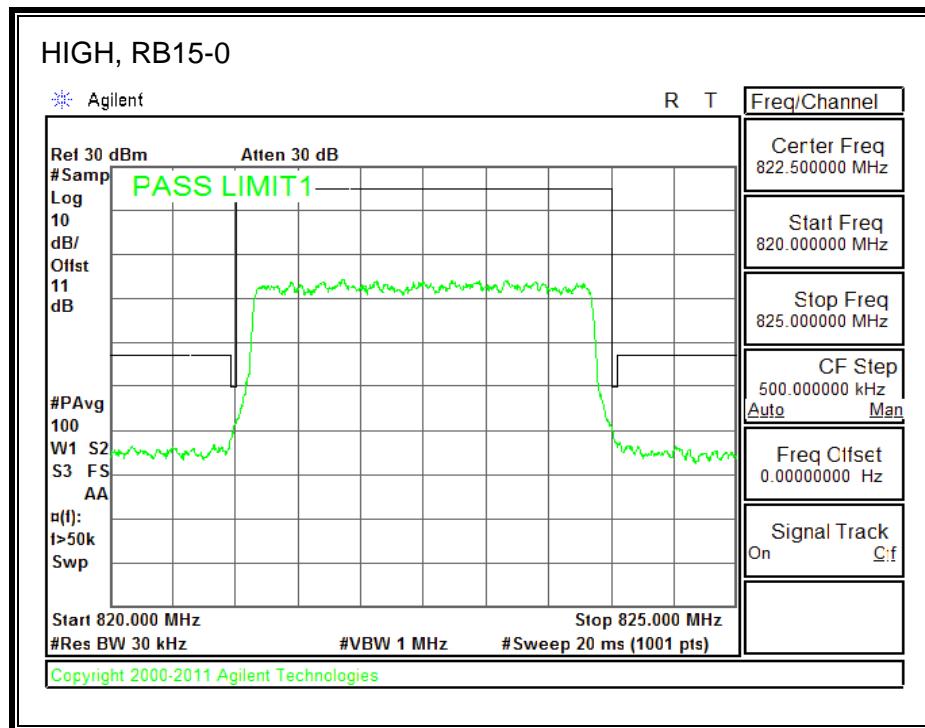
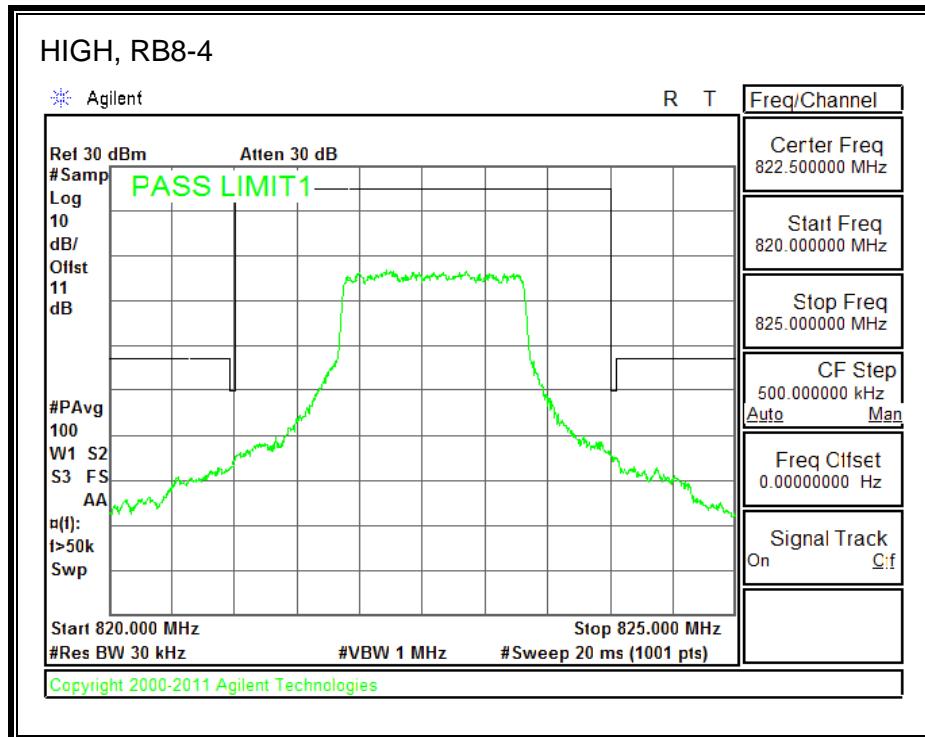
QPSK, (3.0 MHz BAND WIDTH)



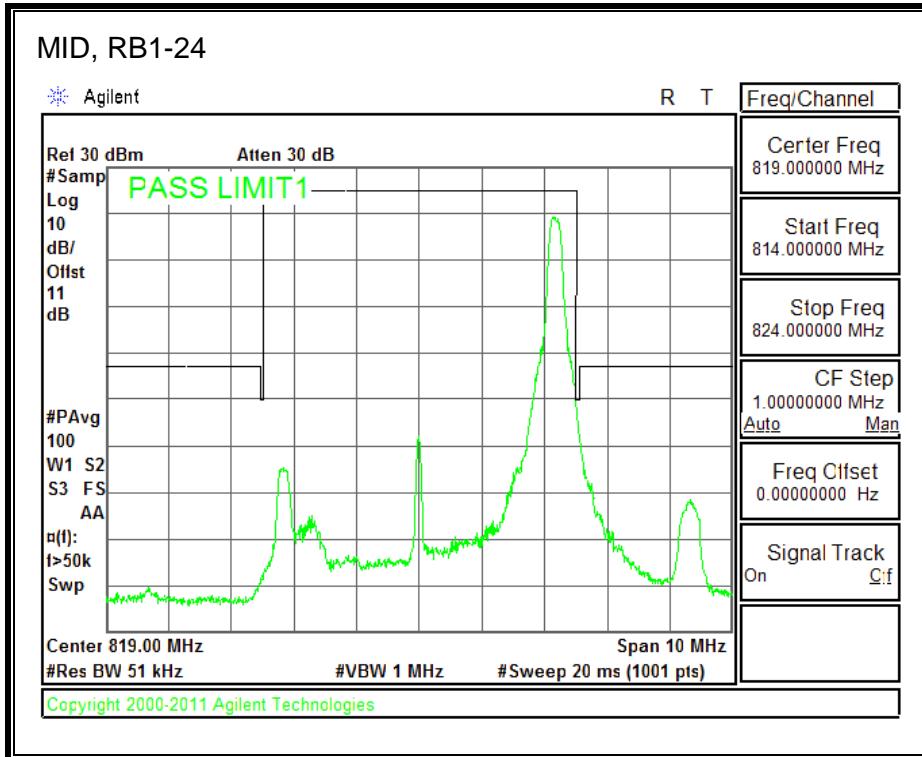
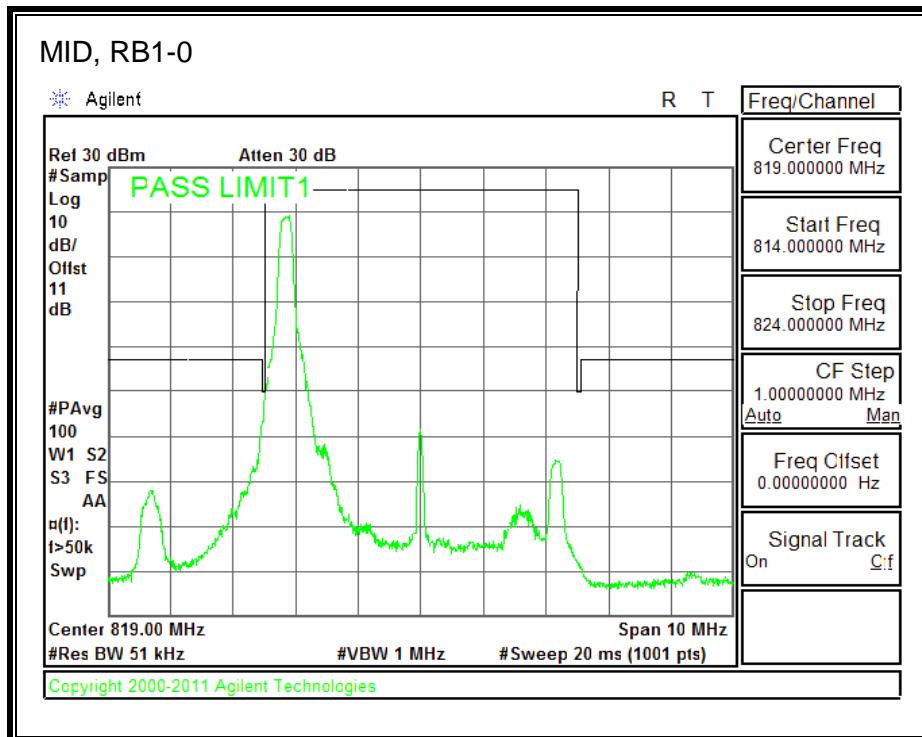


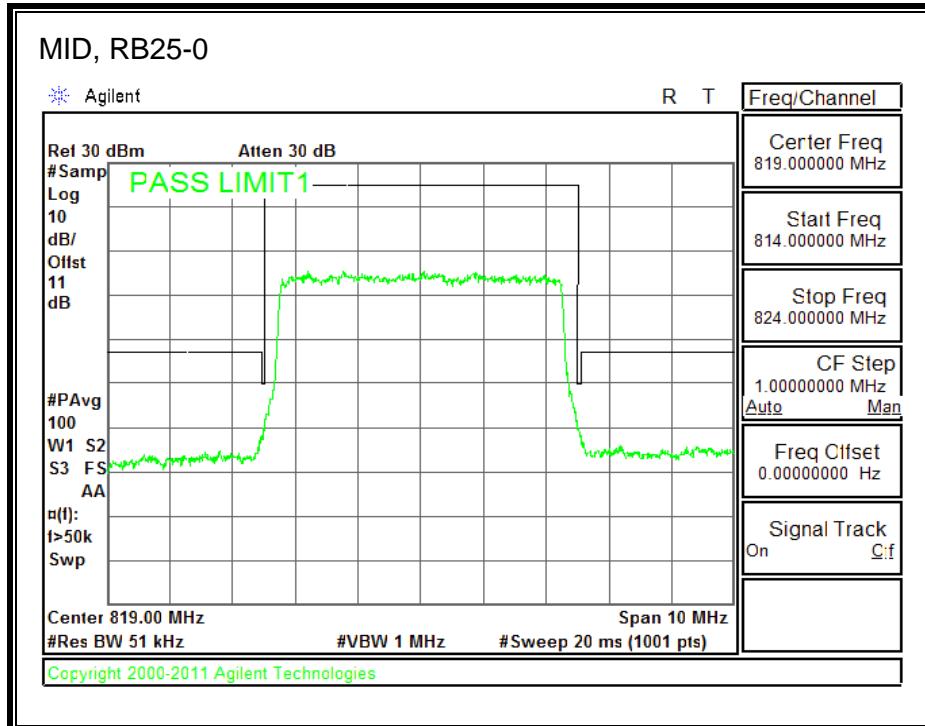
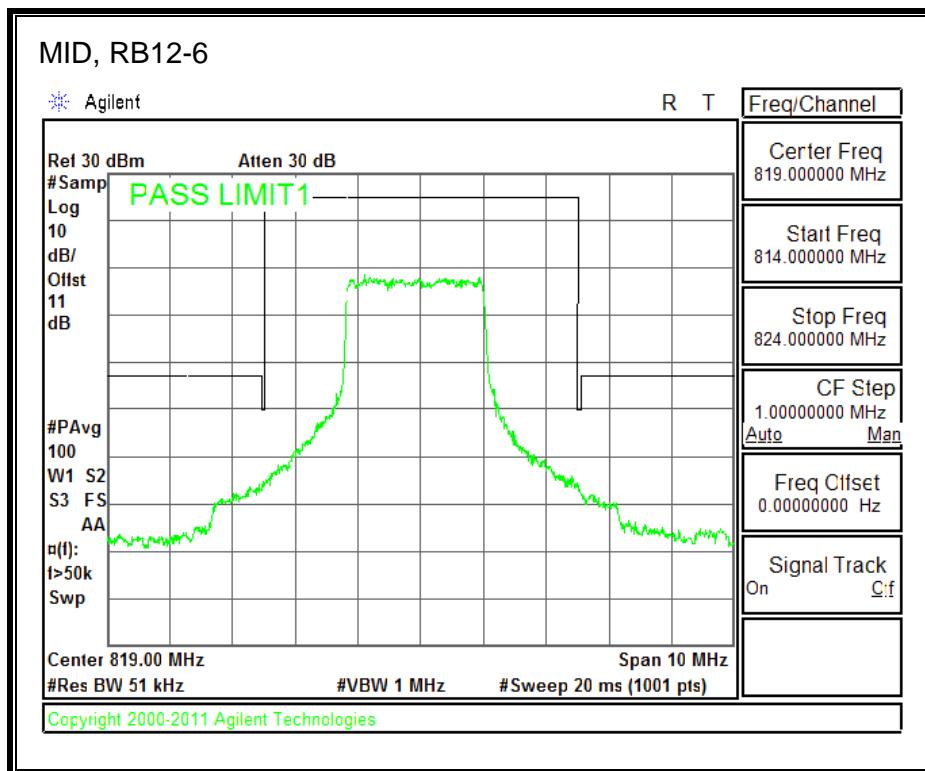
16QAM, (3.0 MHz BAND WIDTH)



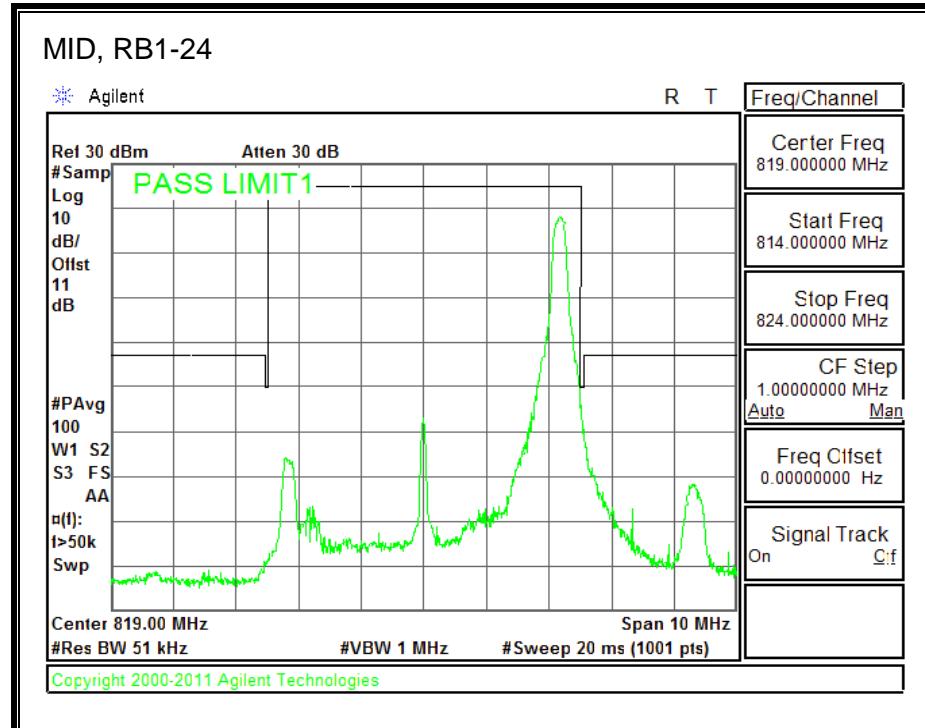
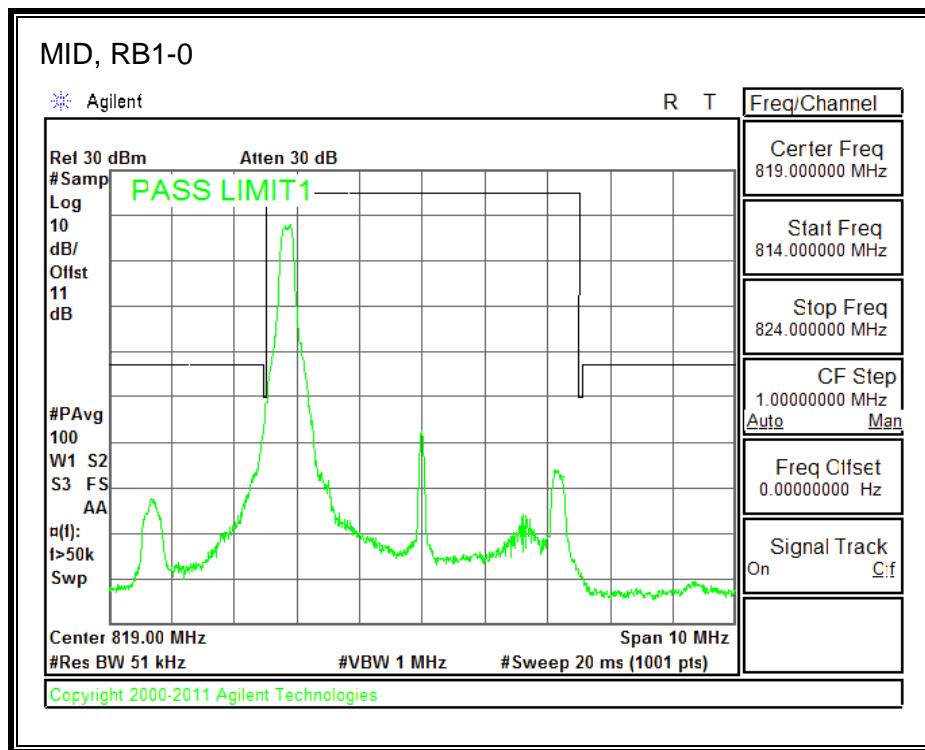


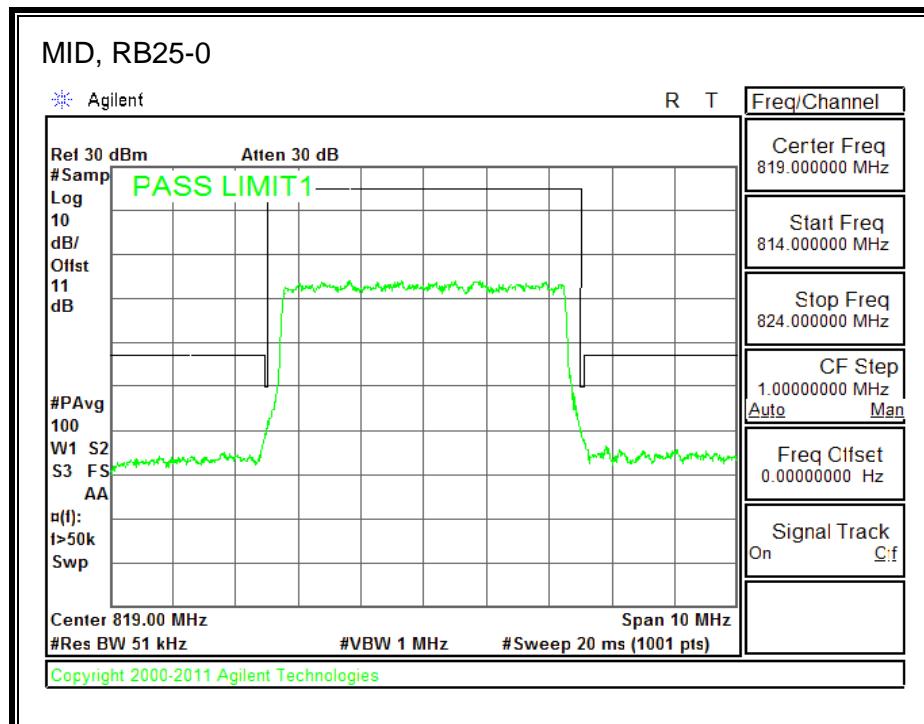
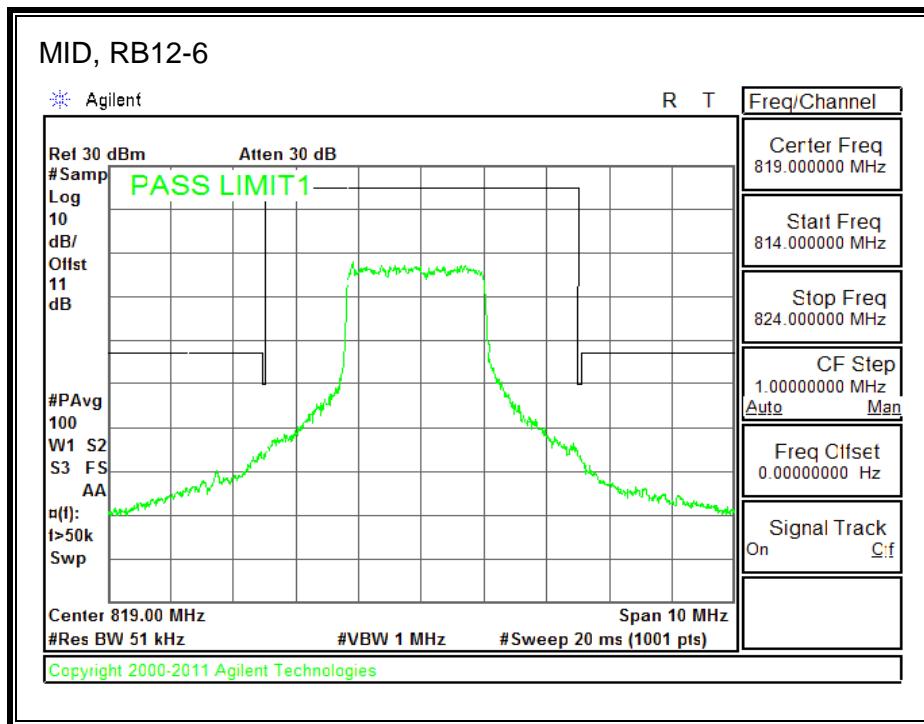
QPSK, (5.0 MHz BAND WIDTH)



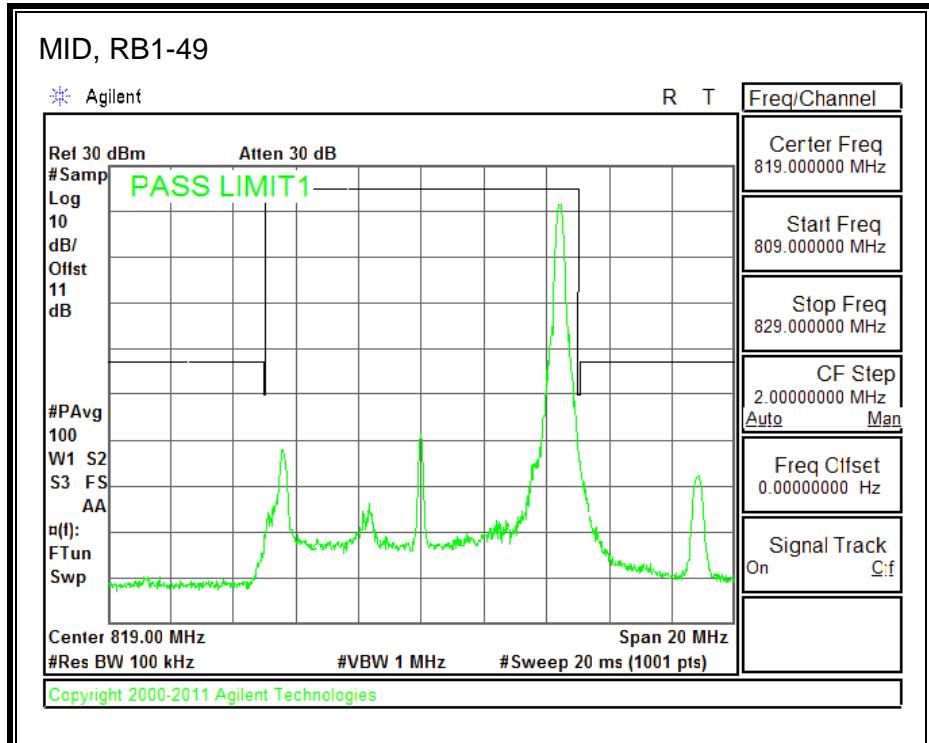
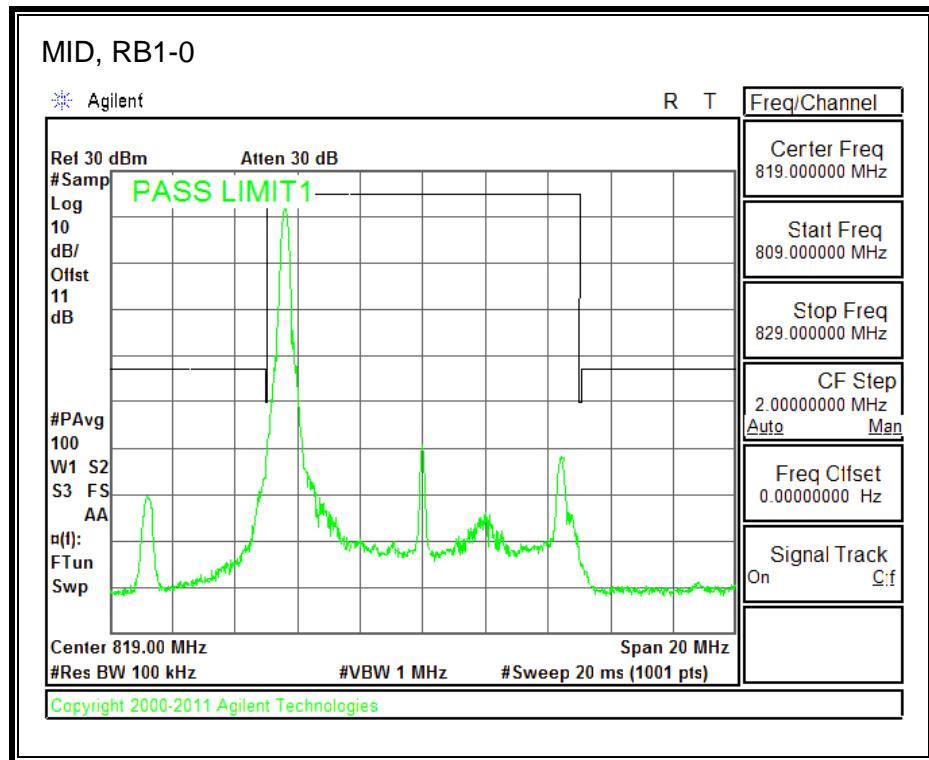


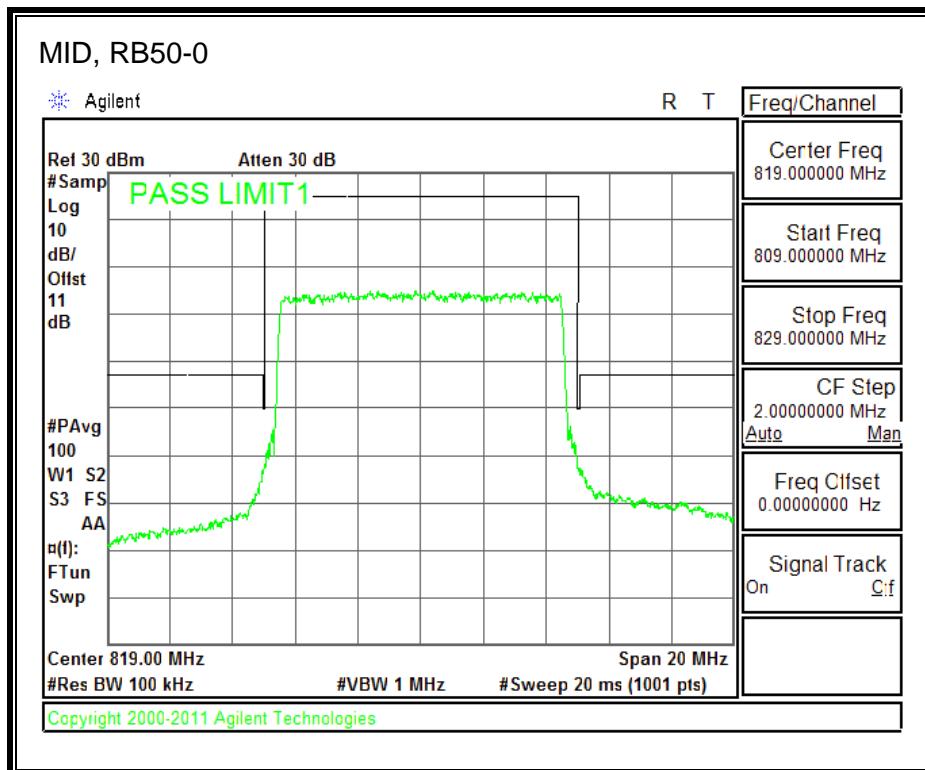
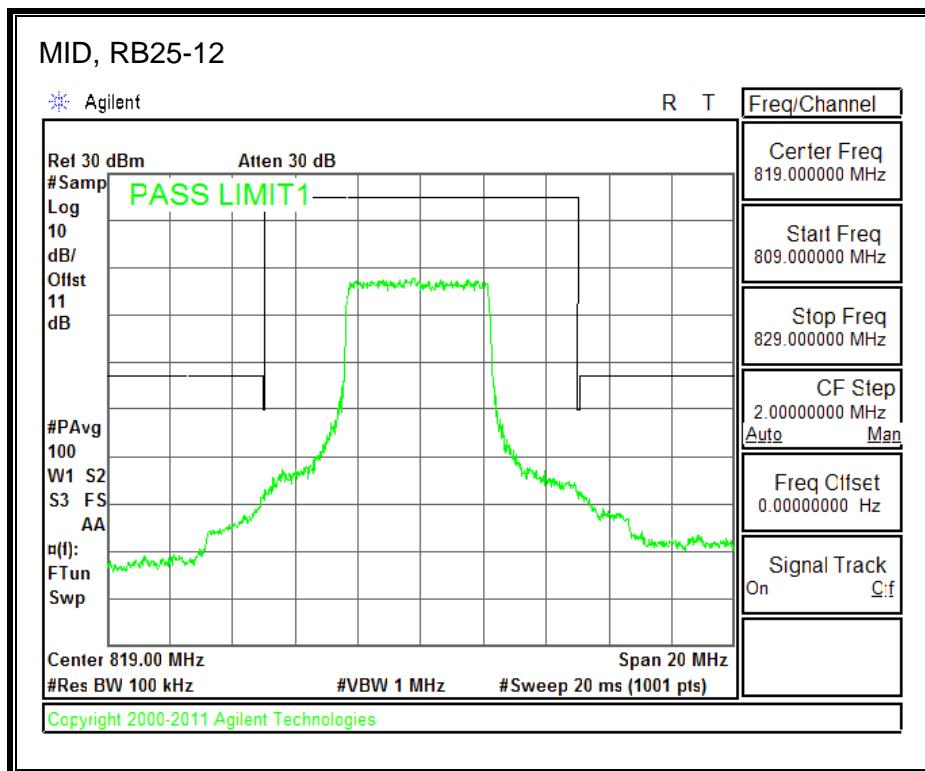
16QAM, (5.0 MHz BAND WIDTH)



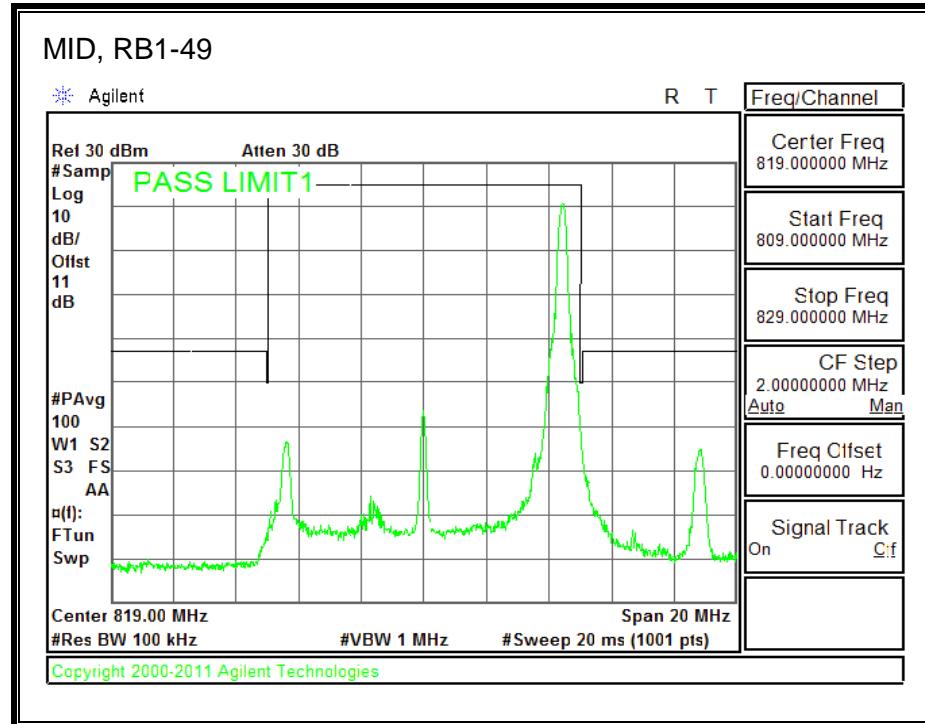
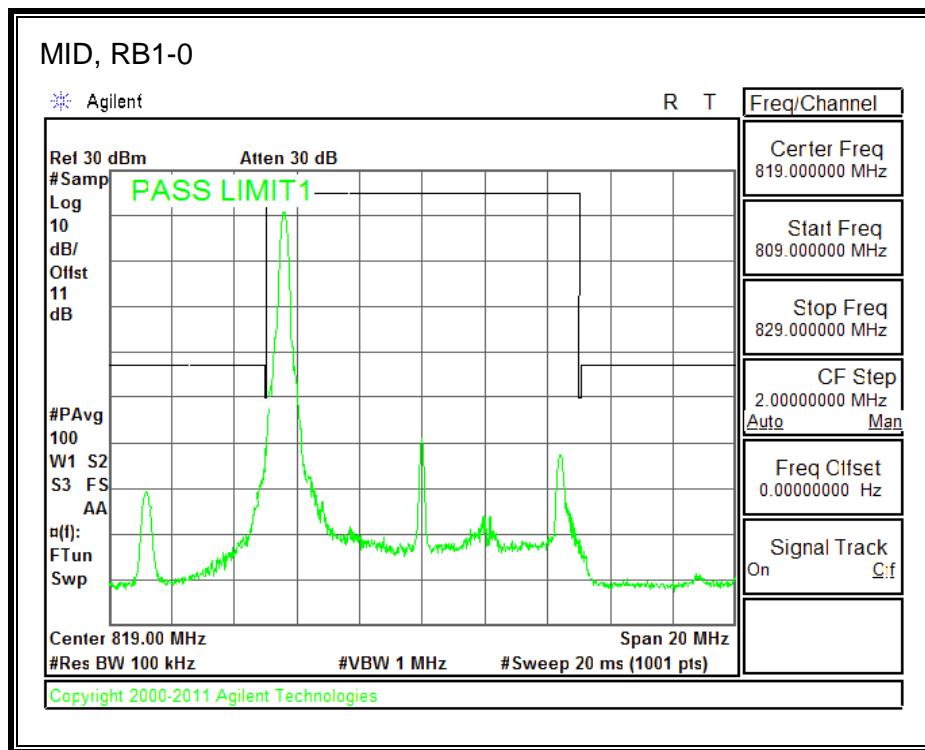


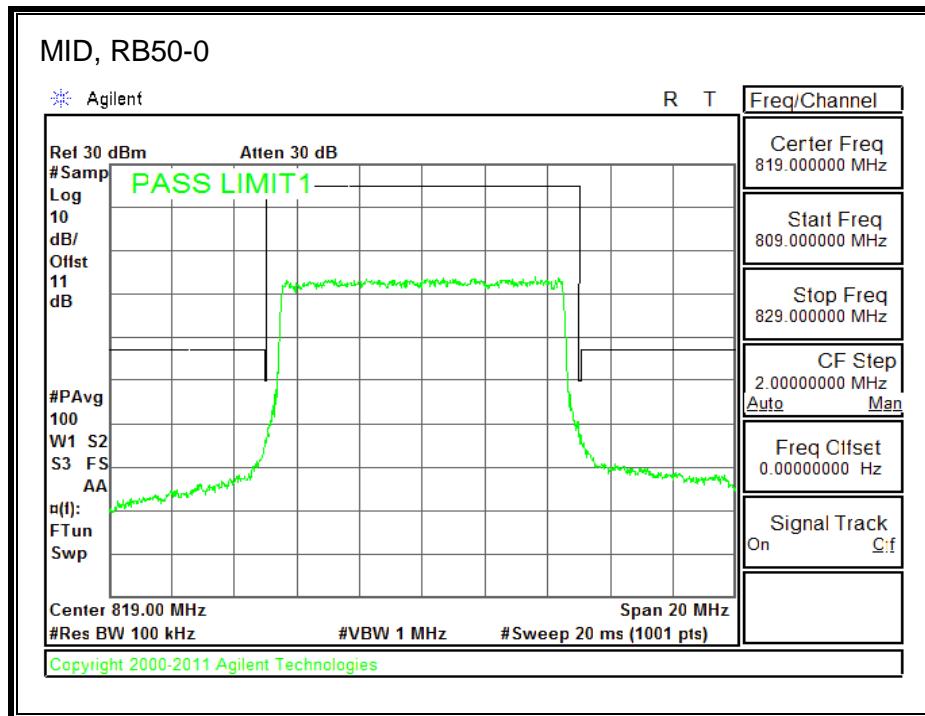
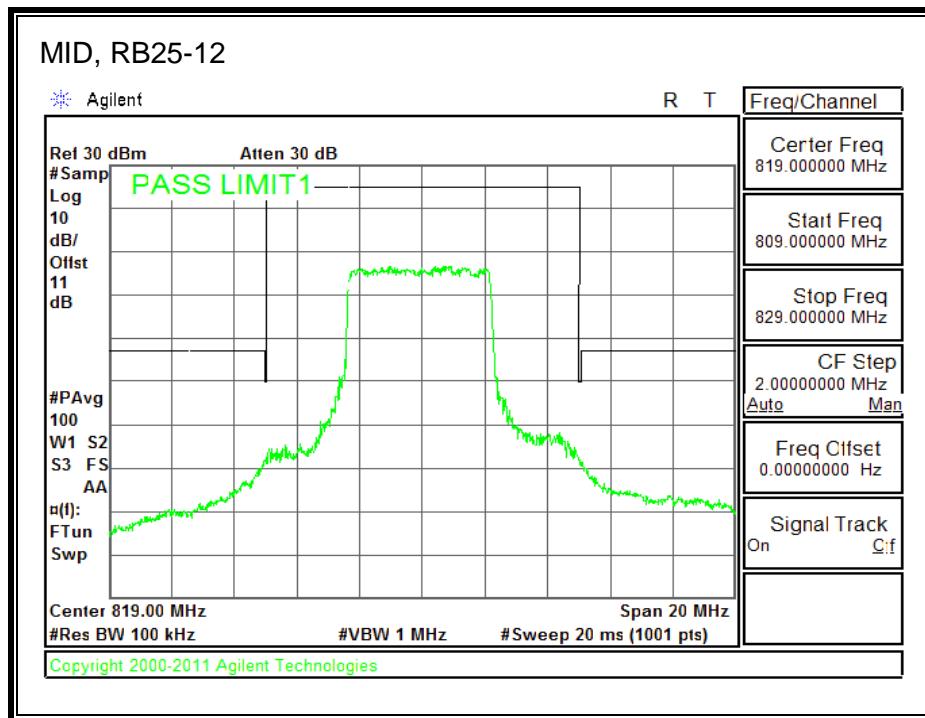
QPSK, (10.0 MHz BAND WIDTH)





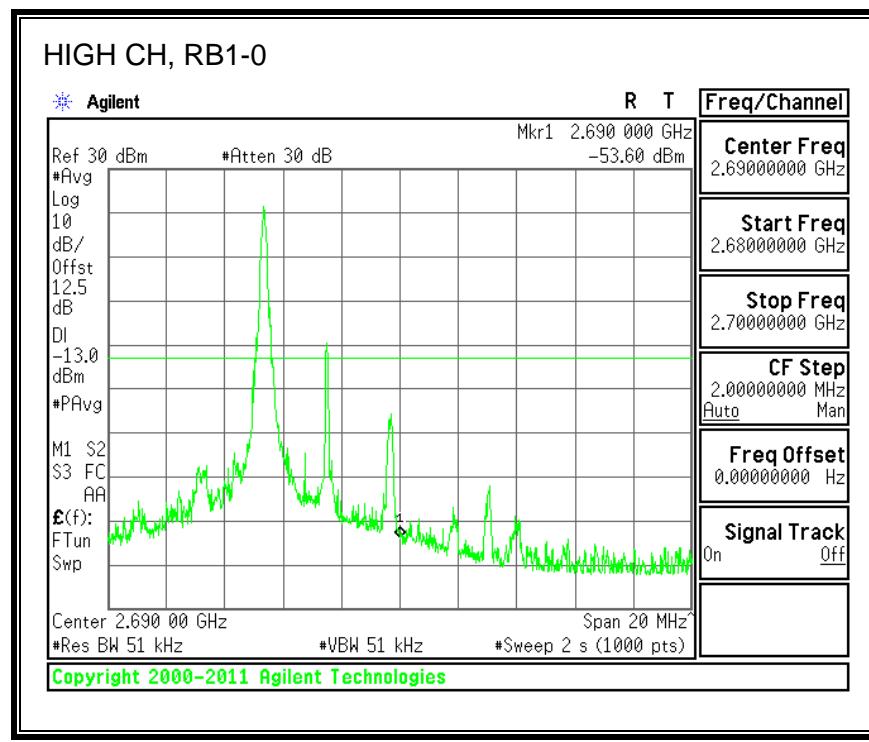
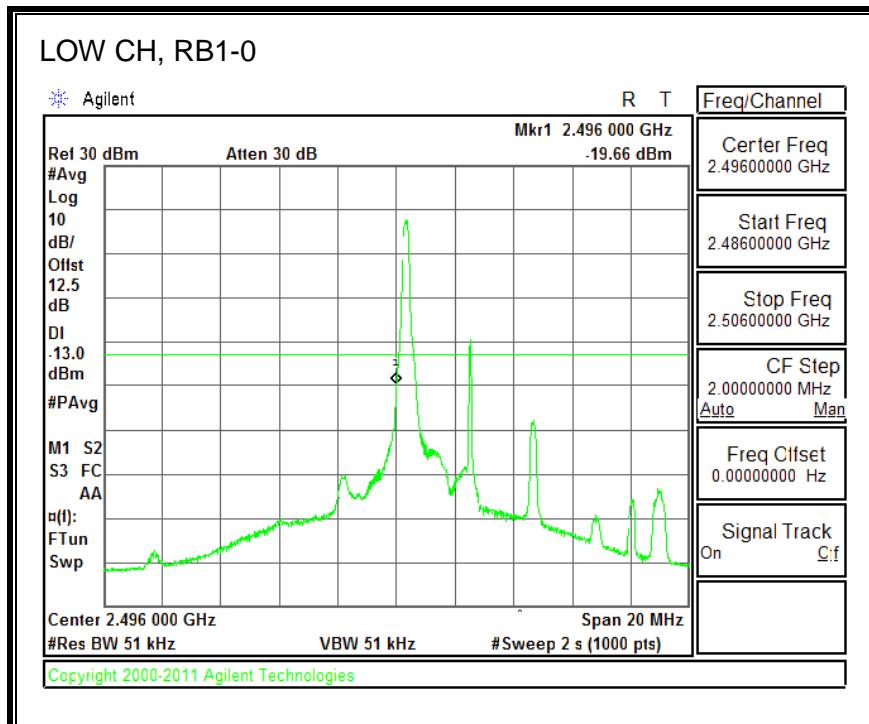
16QAM, (10.0 MHz BAND WIDTH)

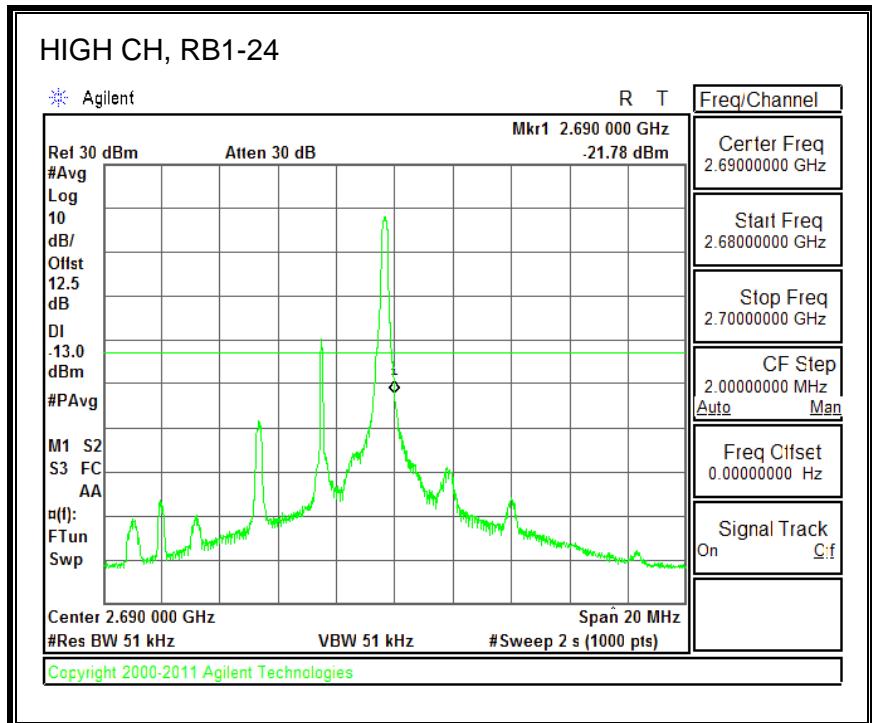
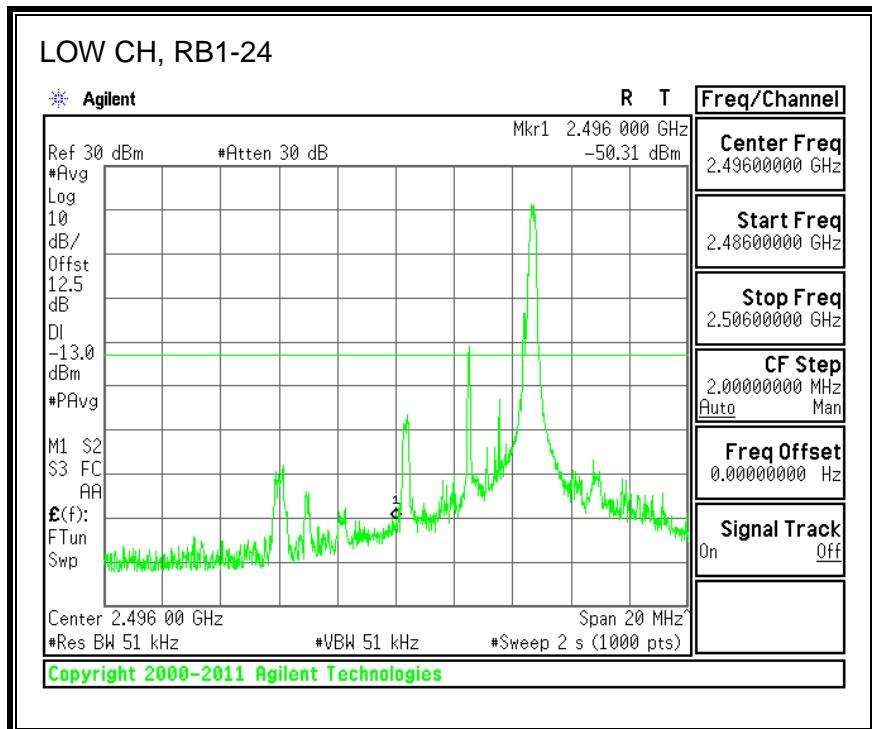


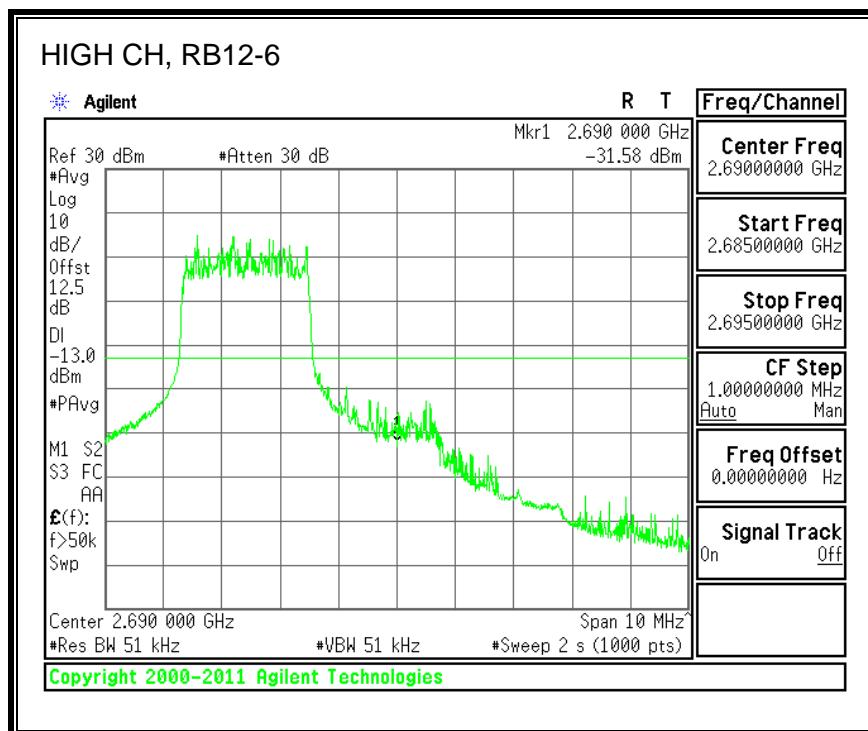
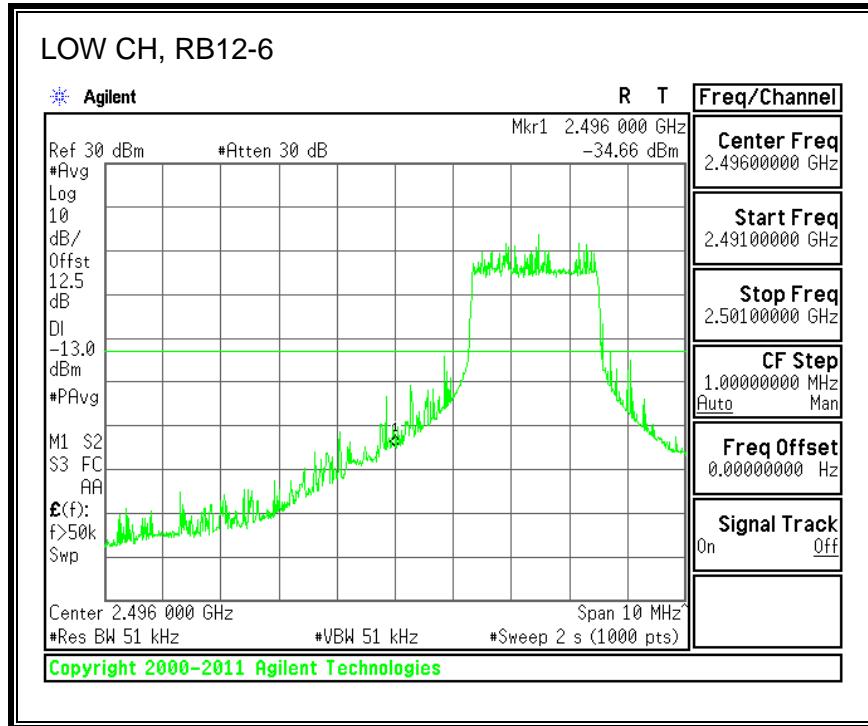


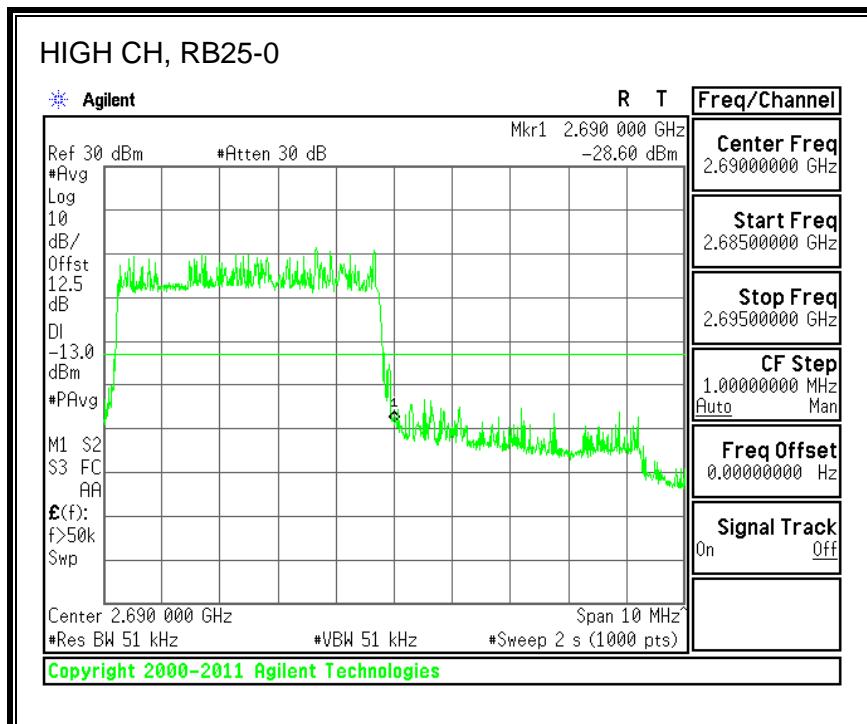
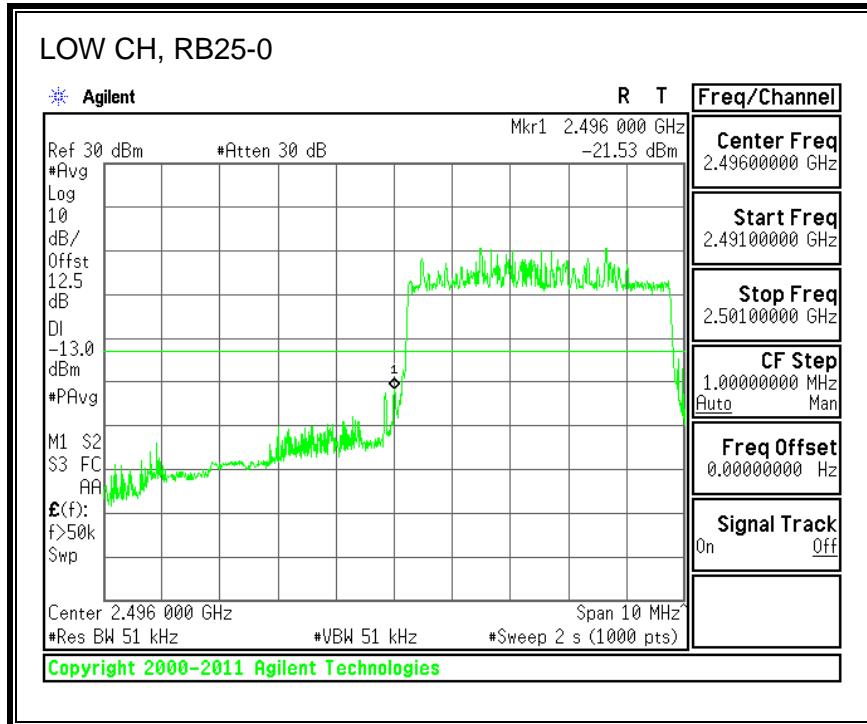
8.2.9. LTE BAND 41 BANDEDGE

QPSK, (5.0 MHz BAND WIDTH)

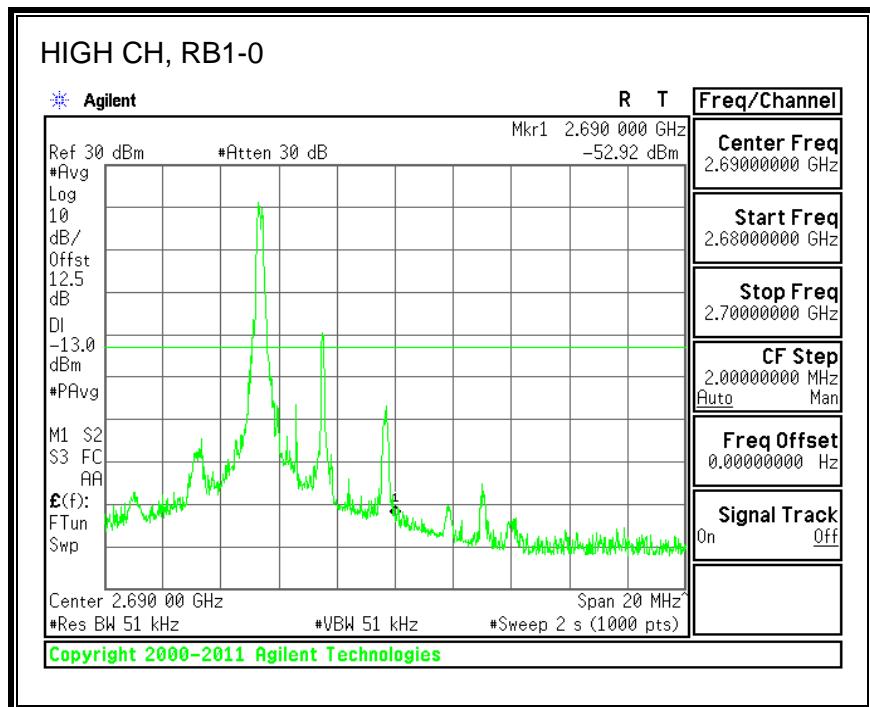
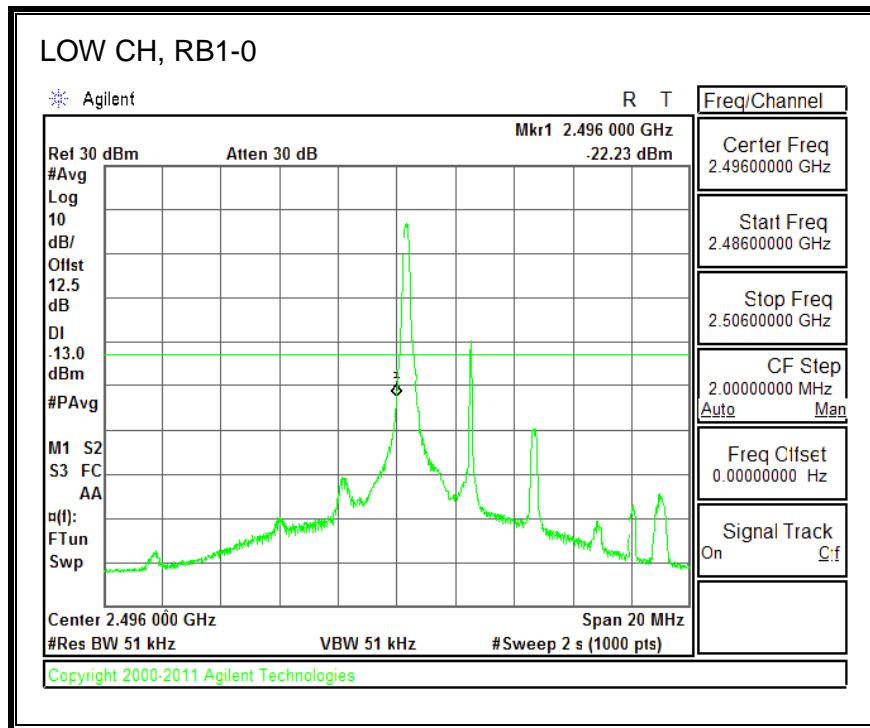


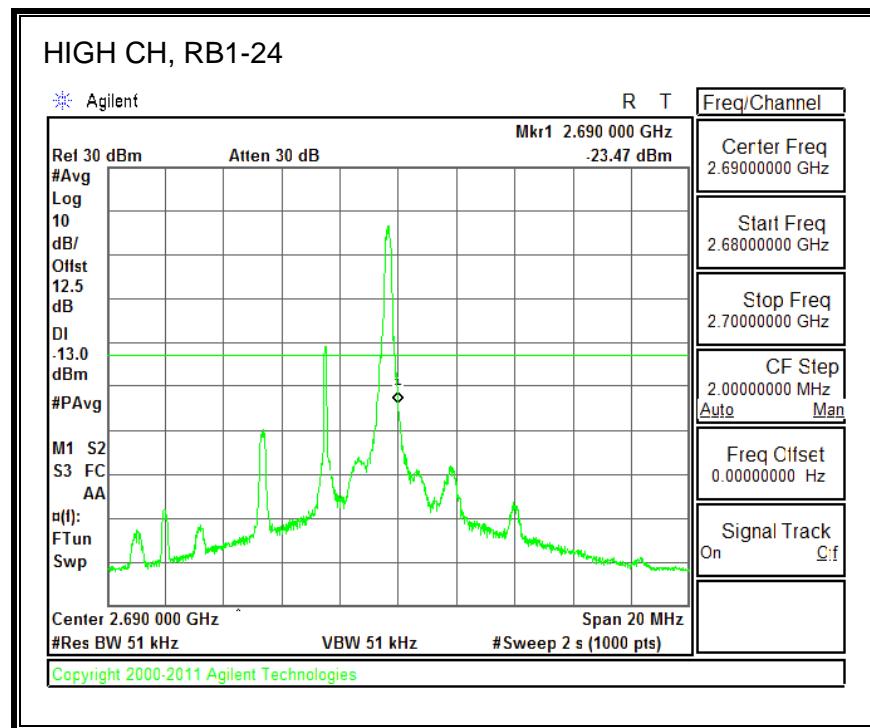
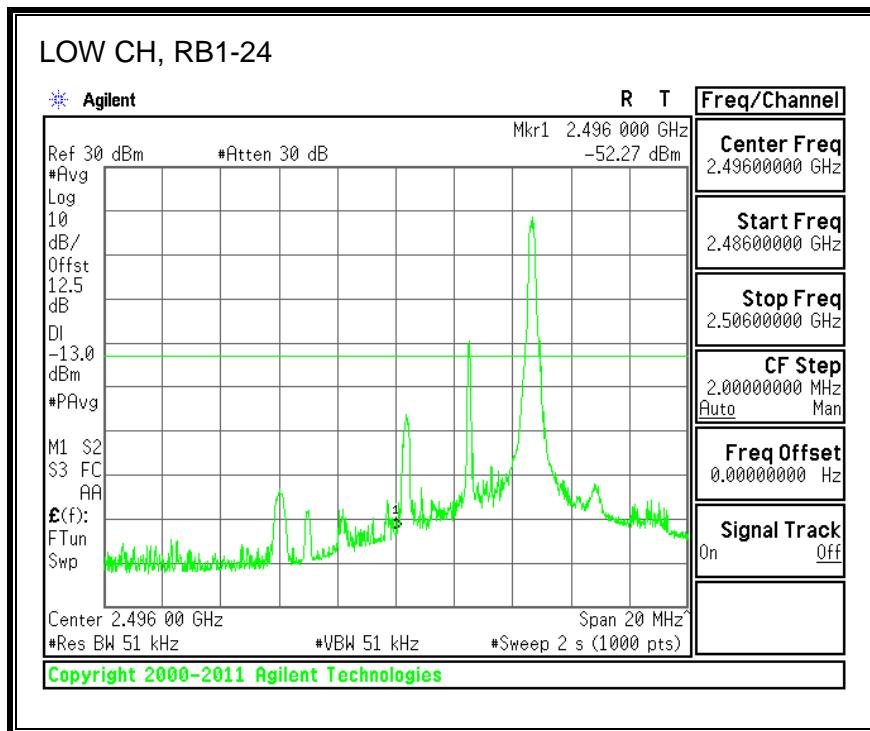


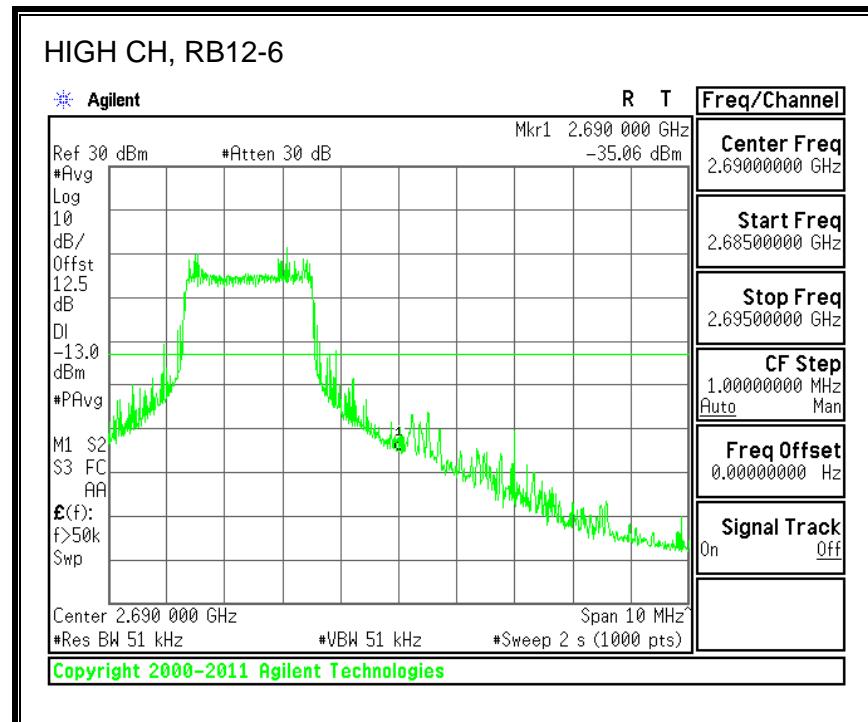
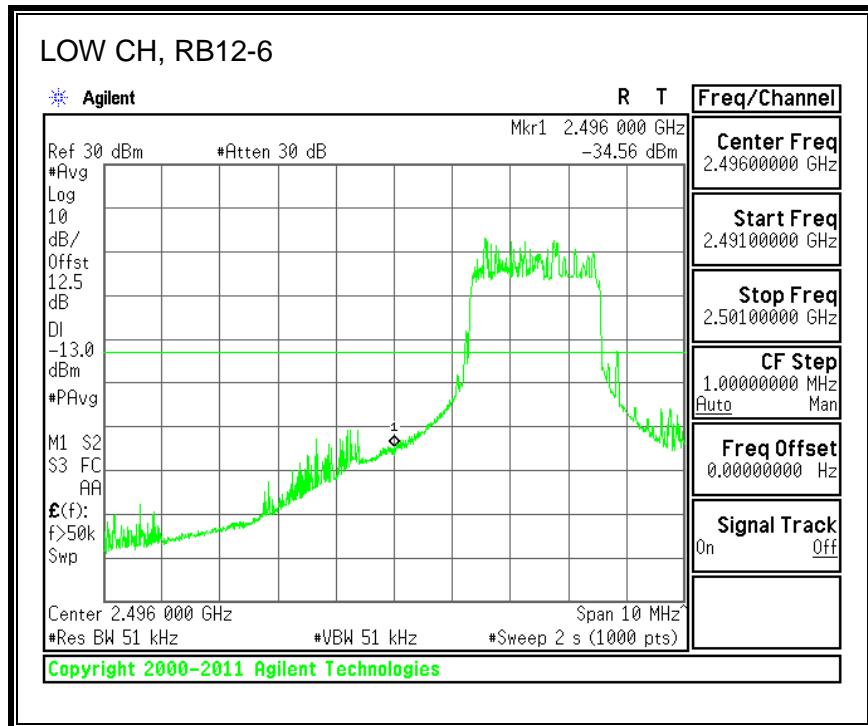


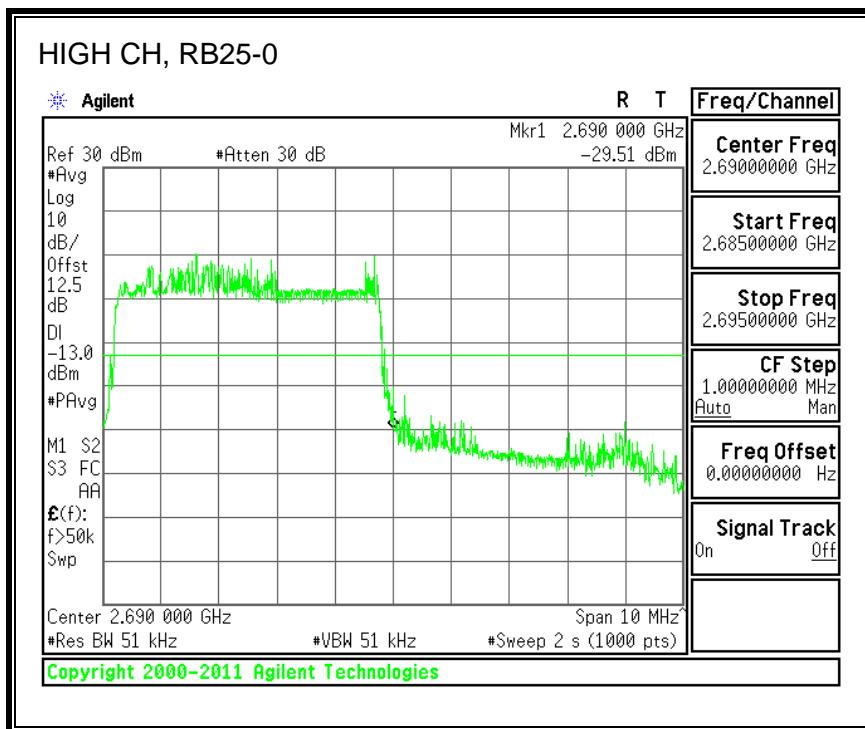
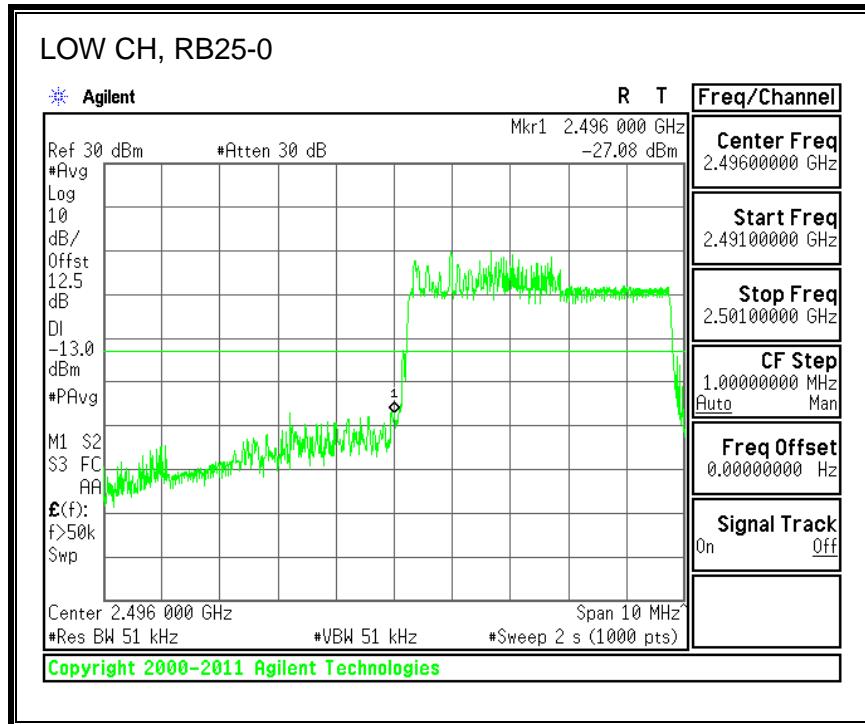


16QAM, (5.0 MHz BAND WIDTH)

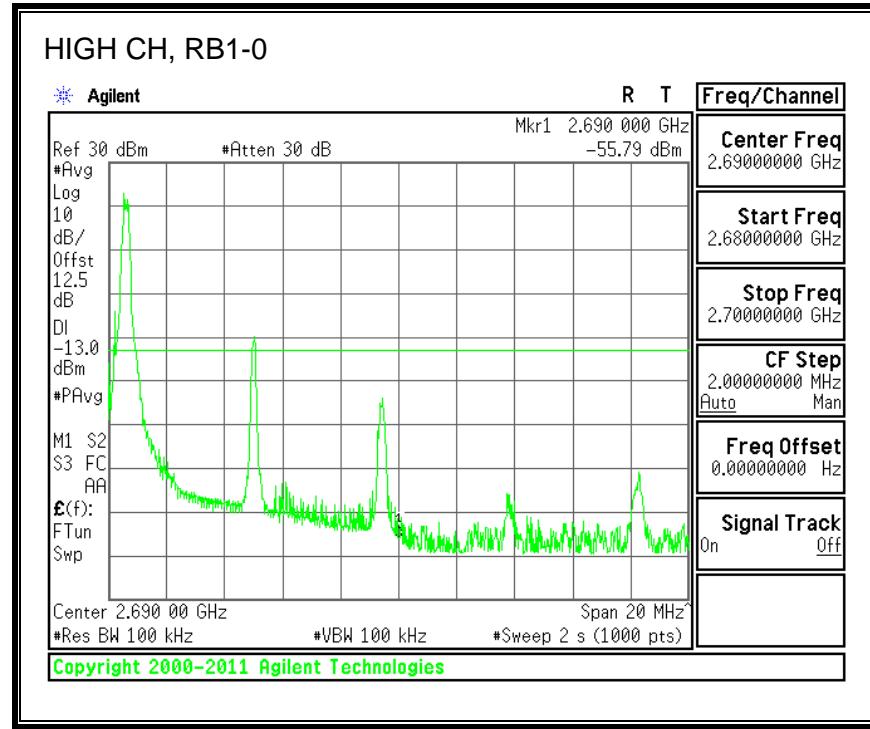
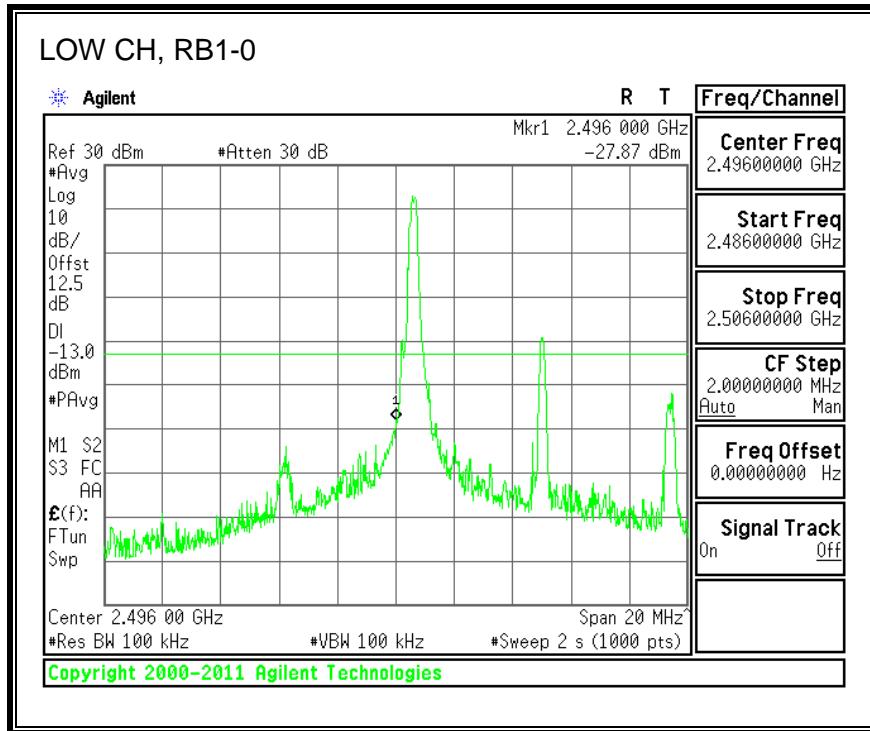


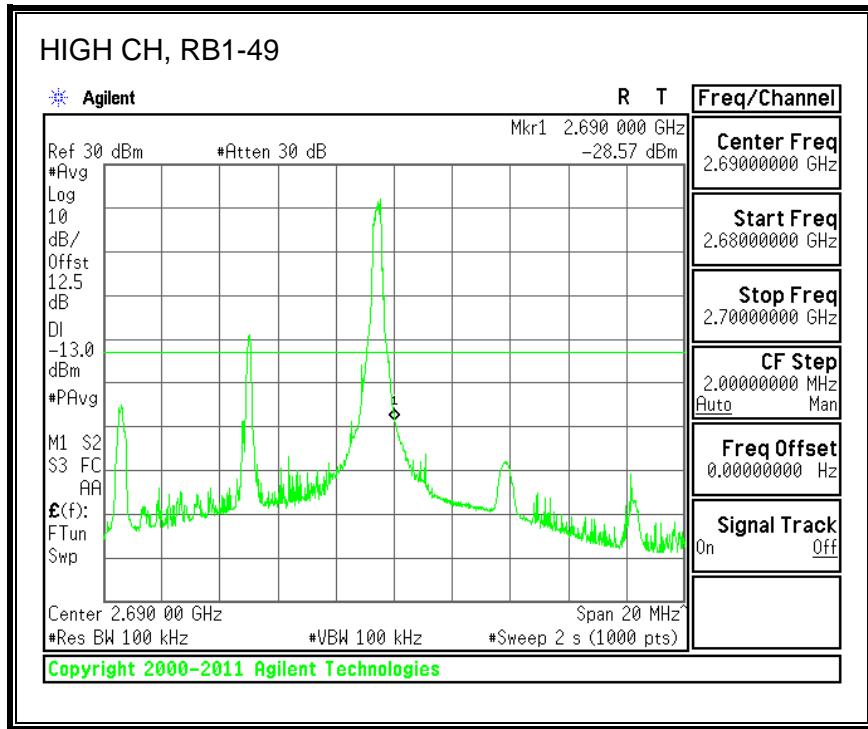
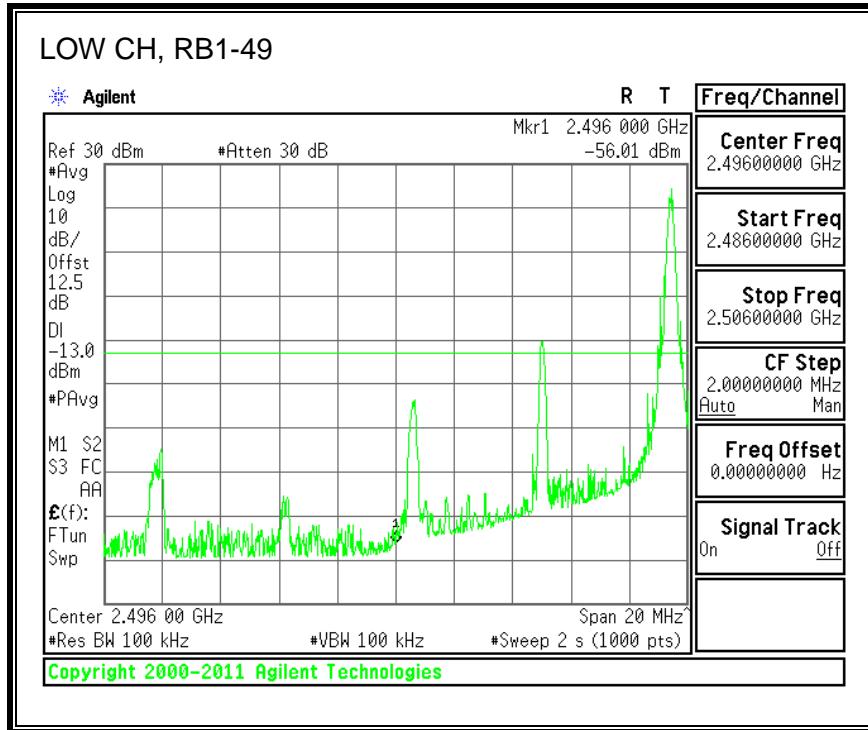


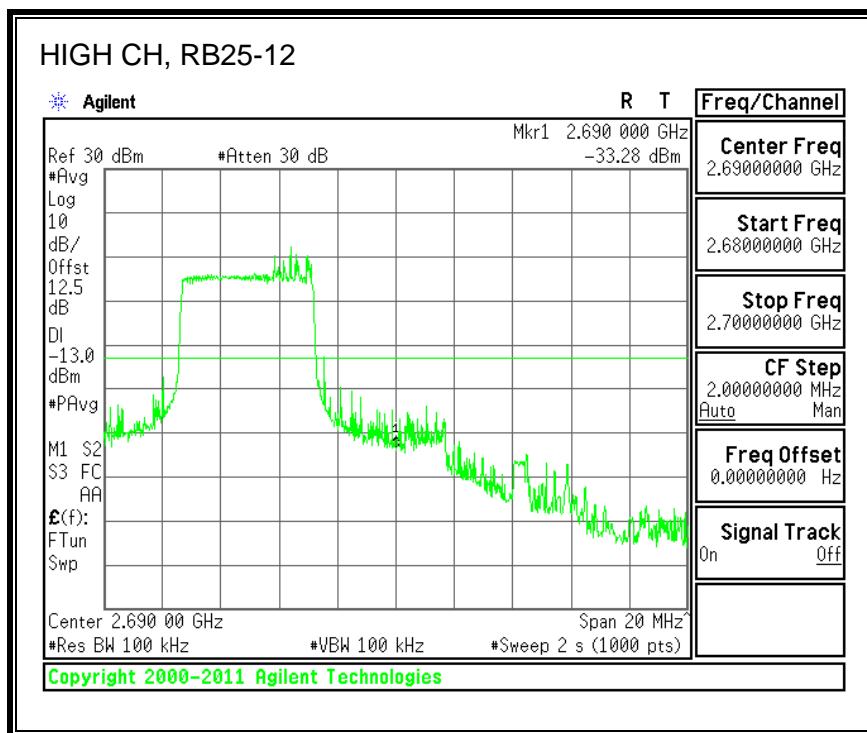
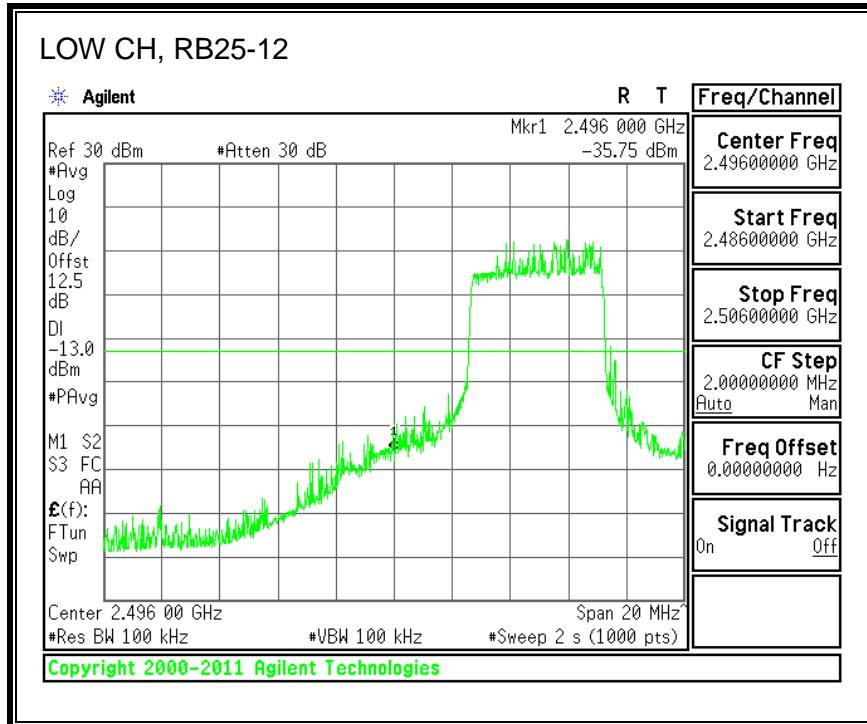


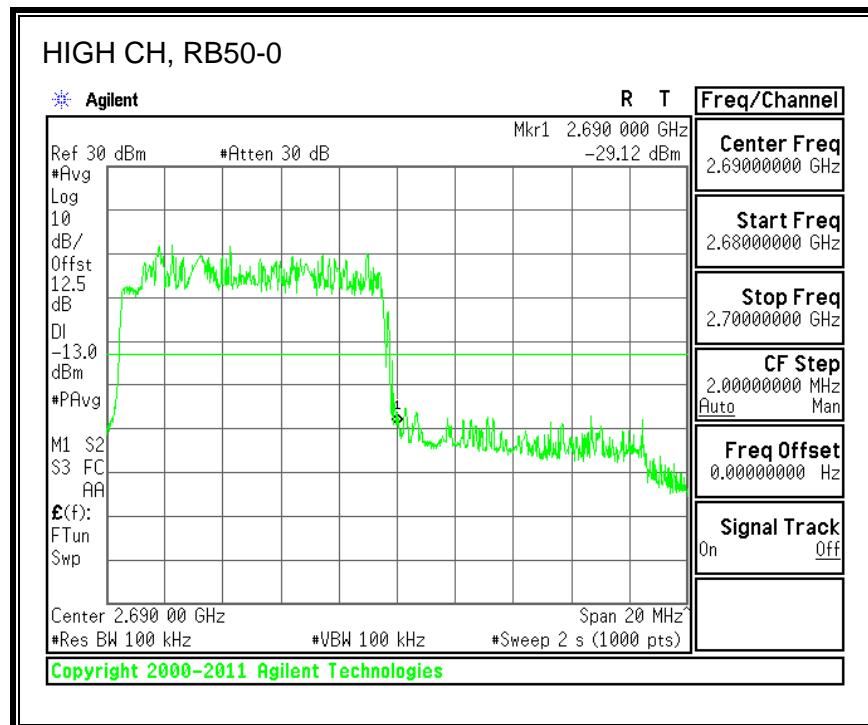
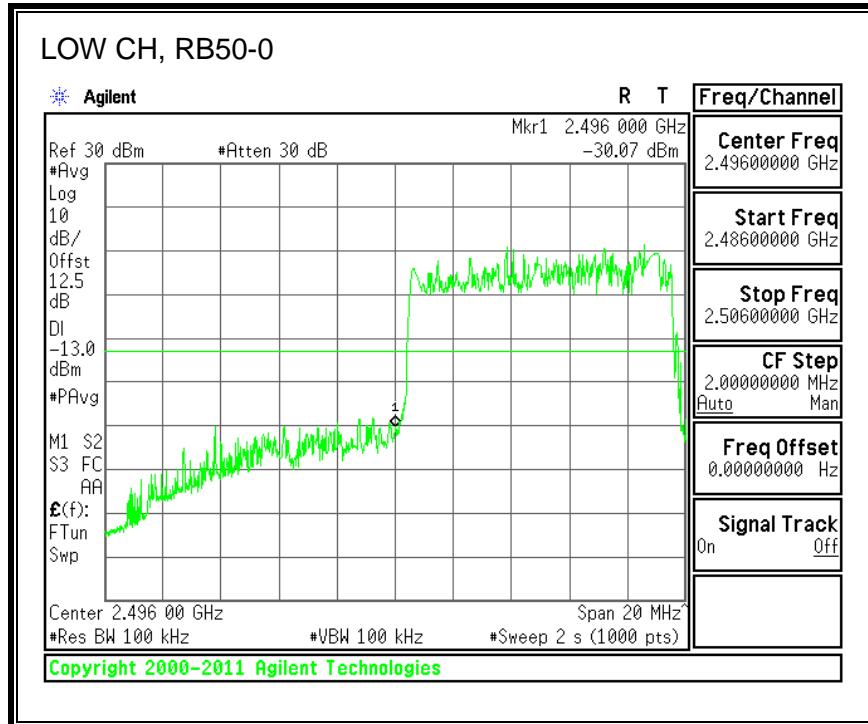


QPSK, (10.0 MHz BAND WIDTH)

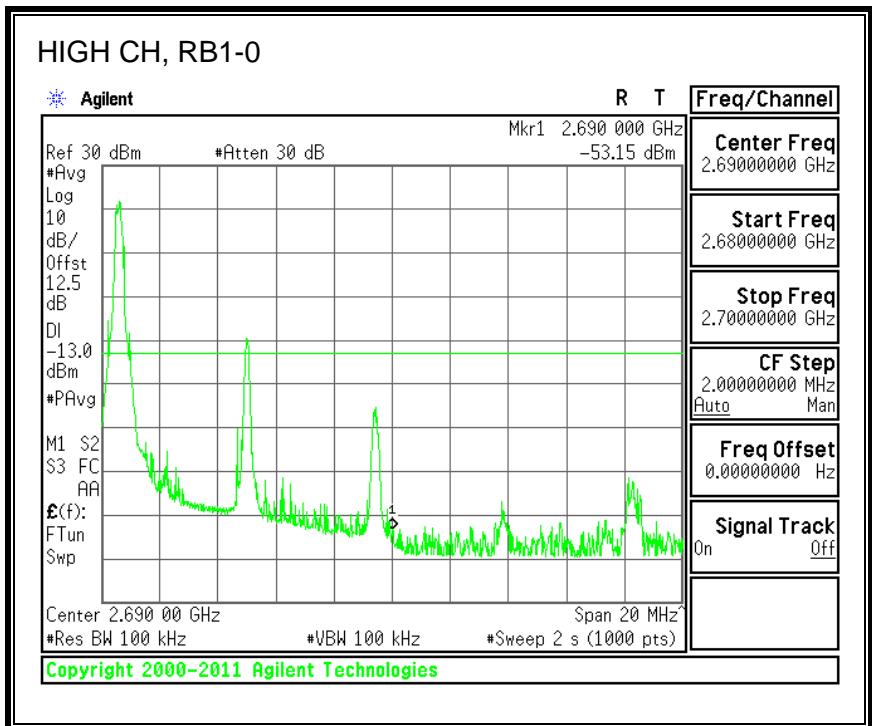
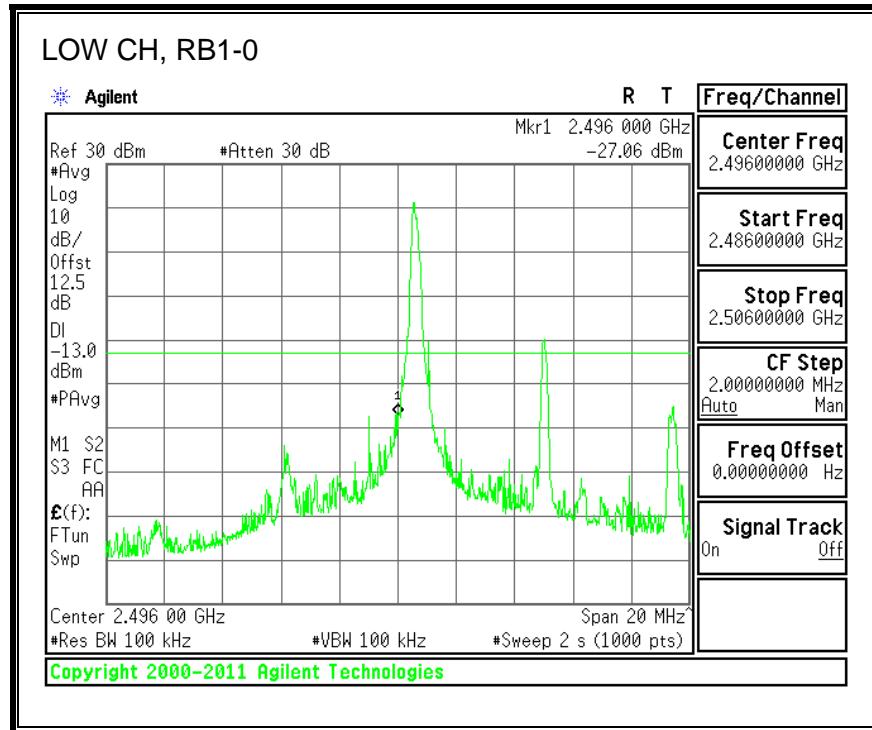


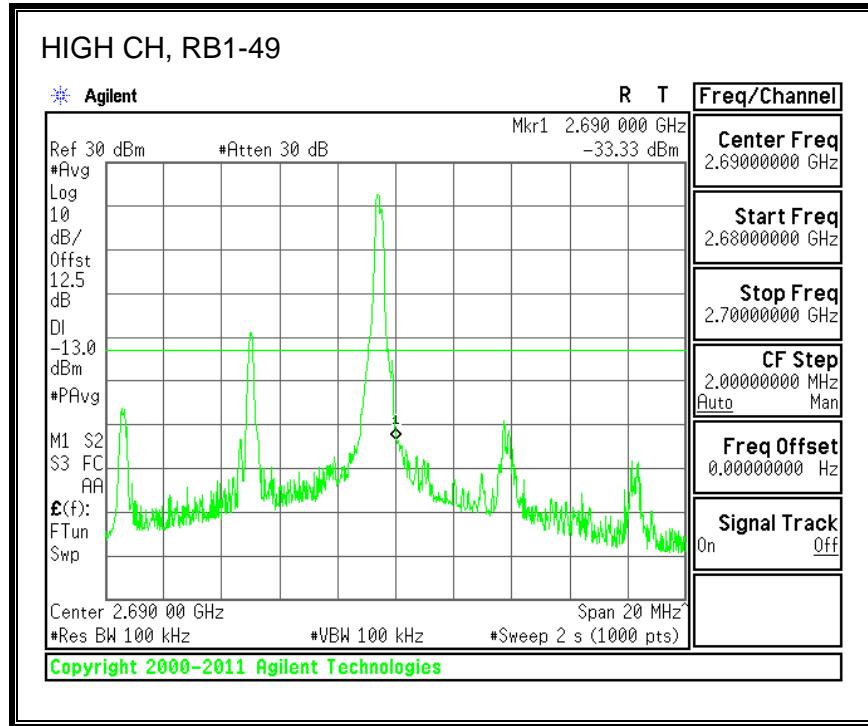
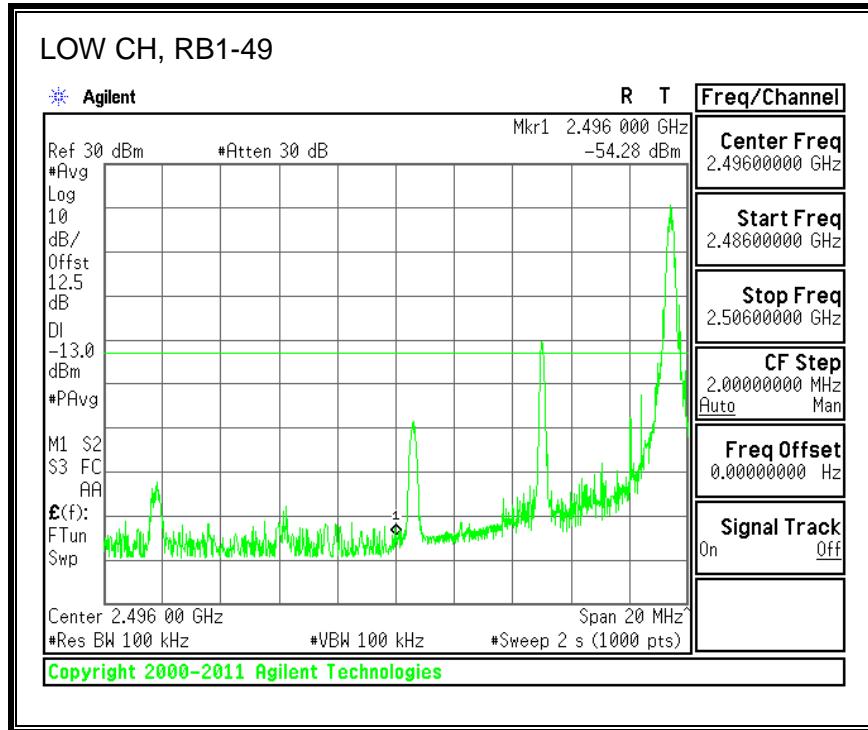


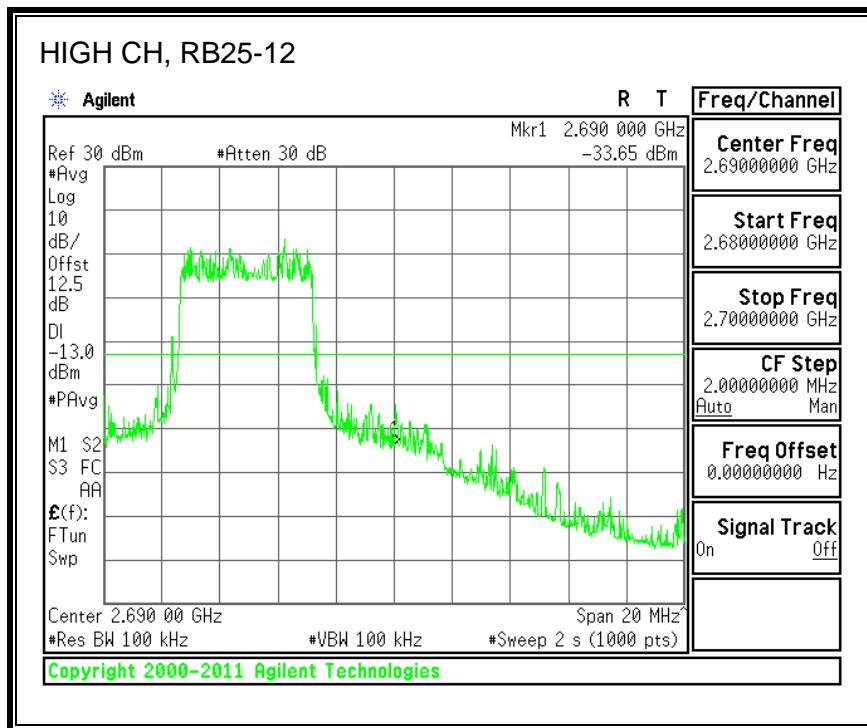
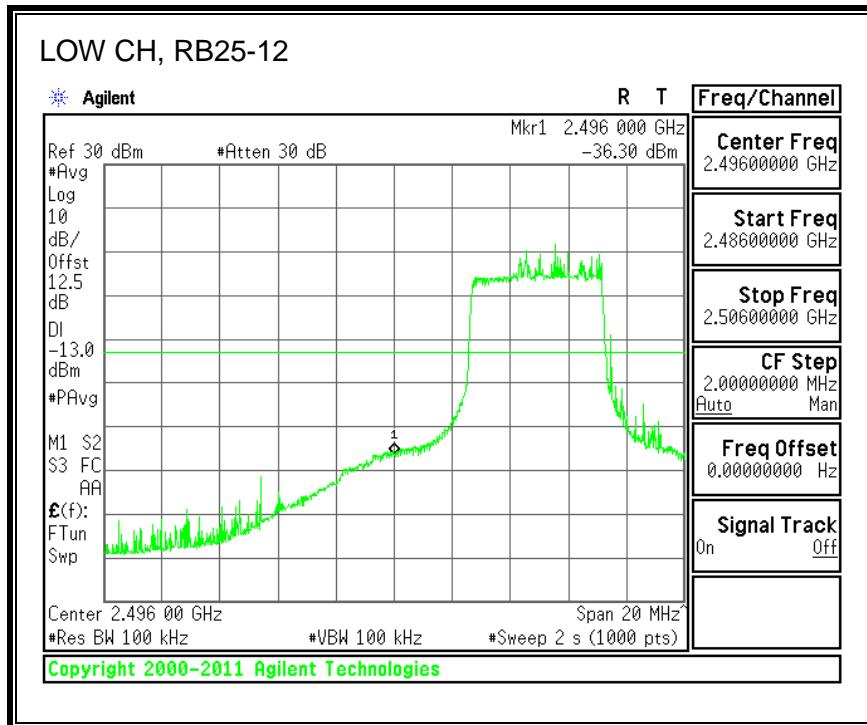


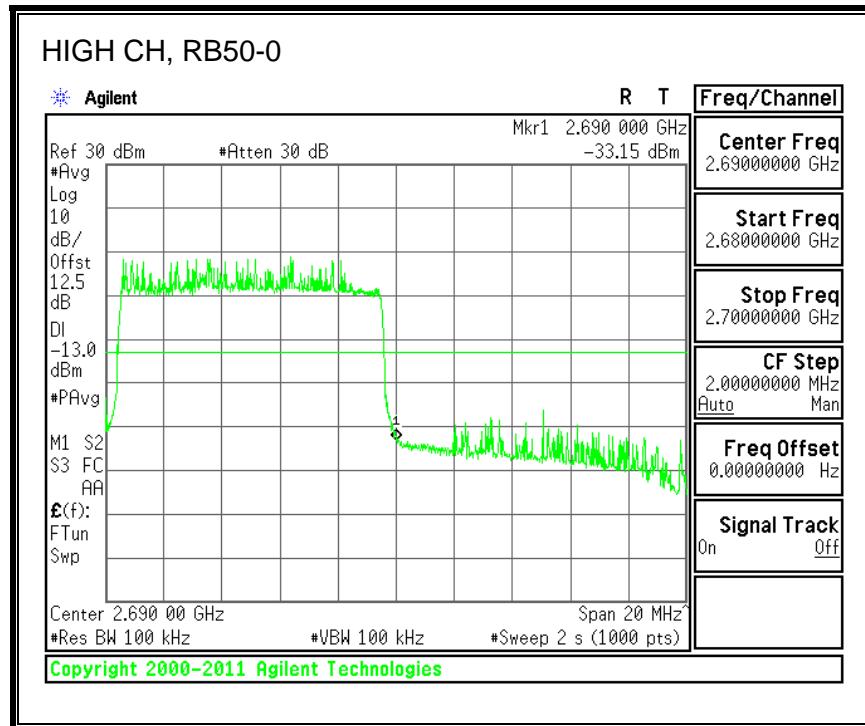
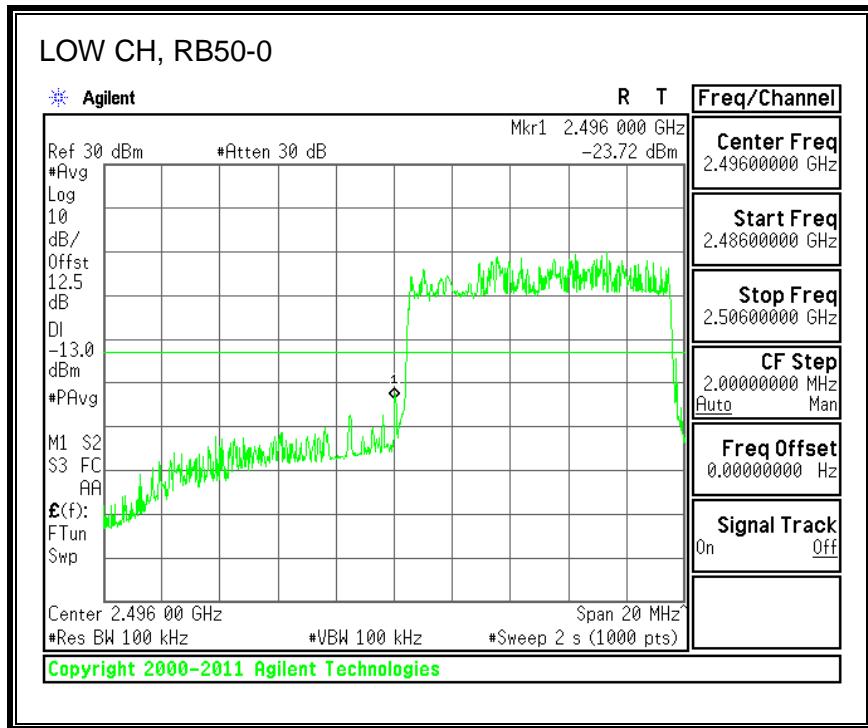


16QAM, (10.0 MHz BAND WIDTH)

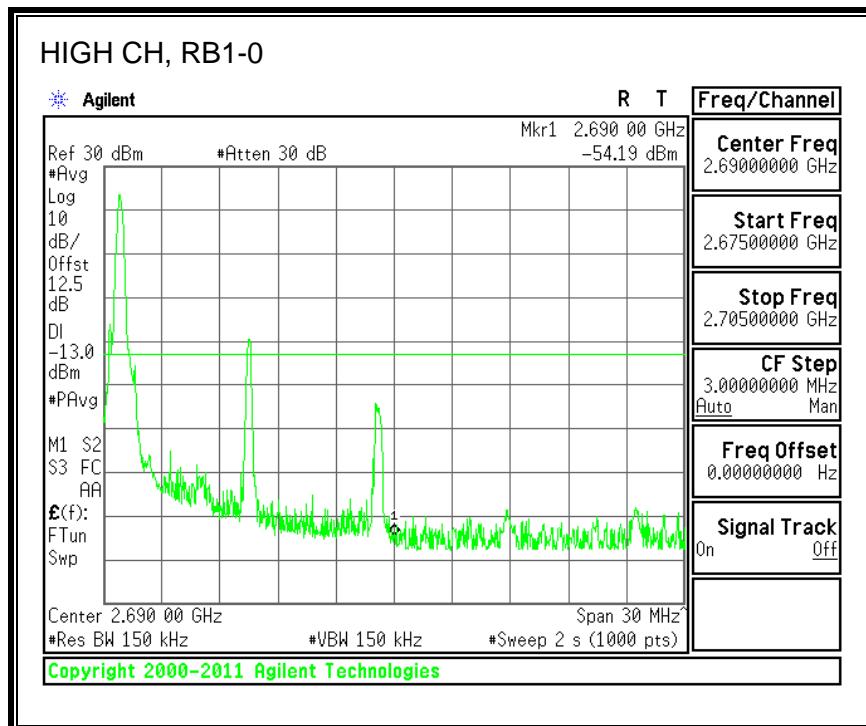
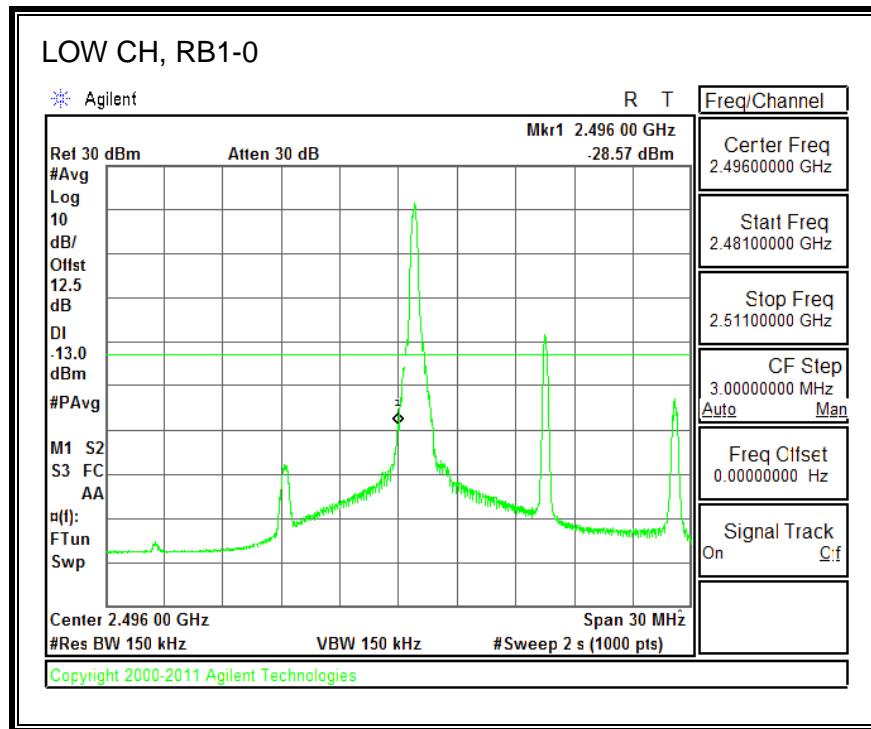


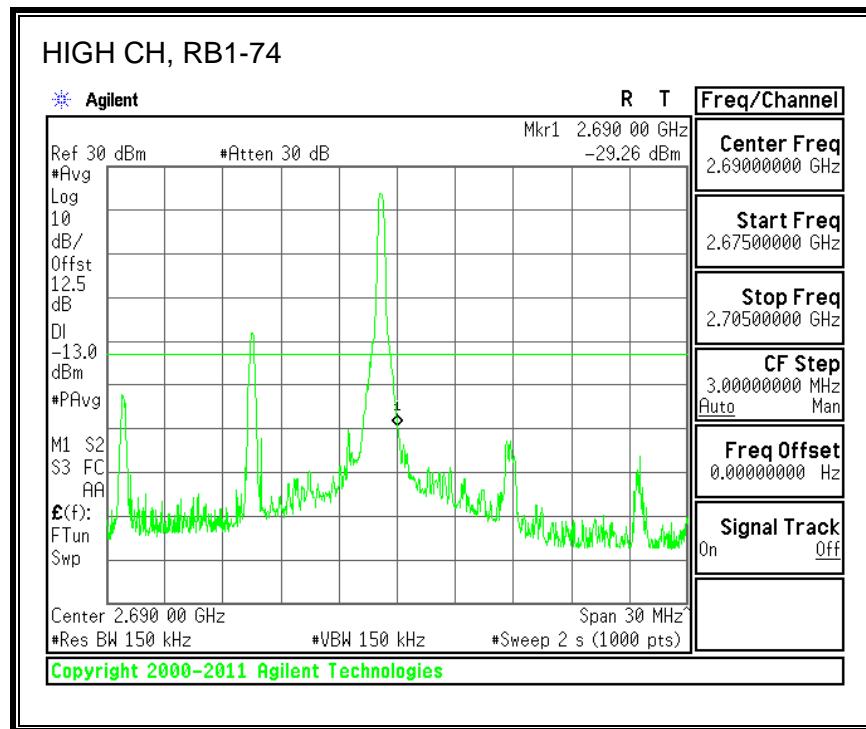
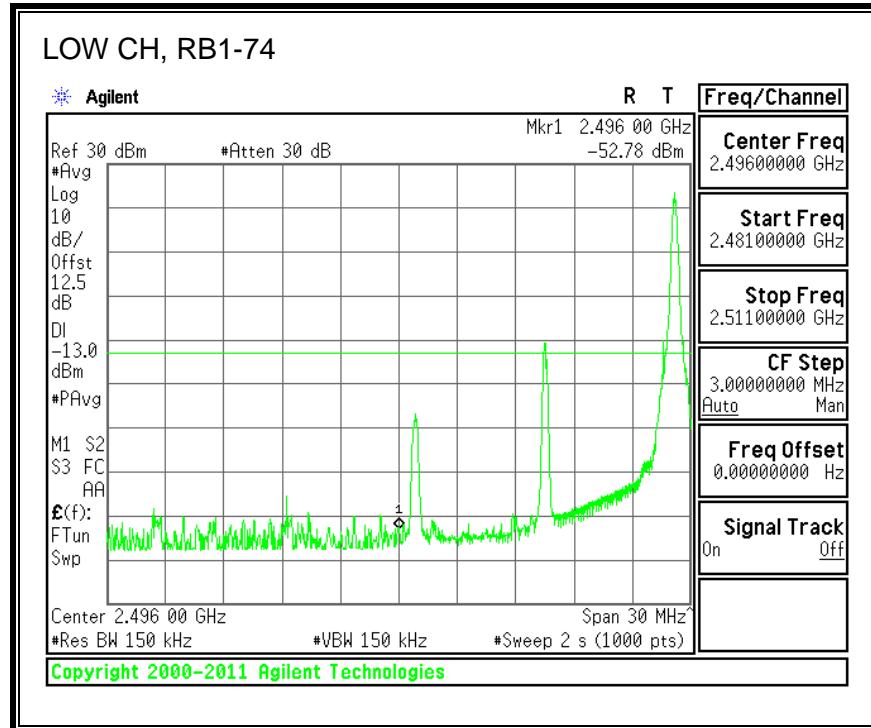


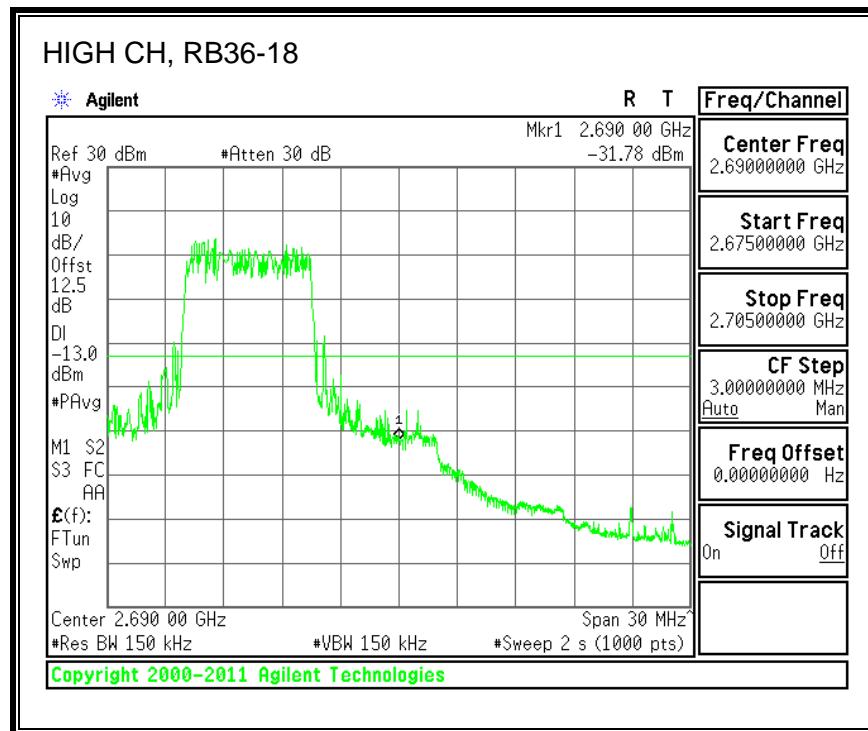
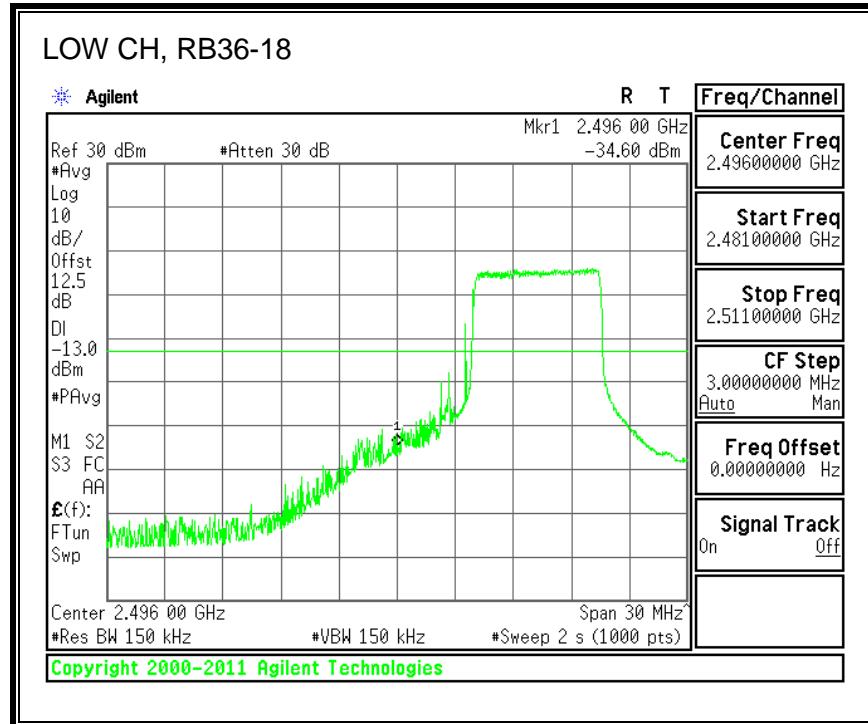


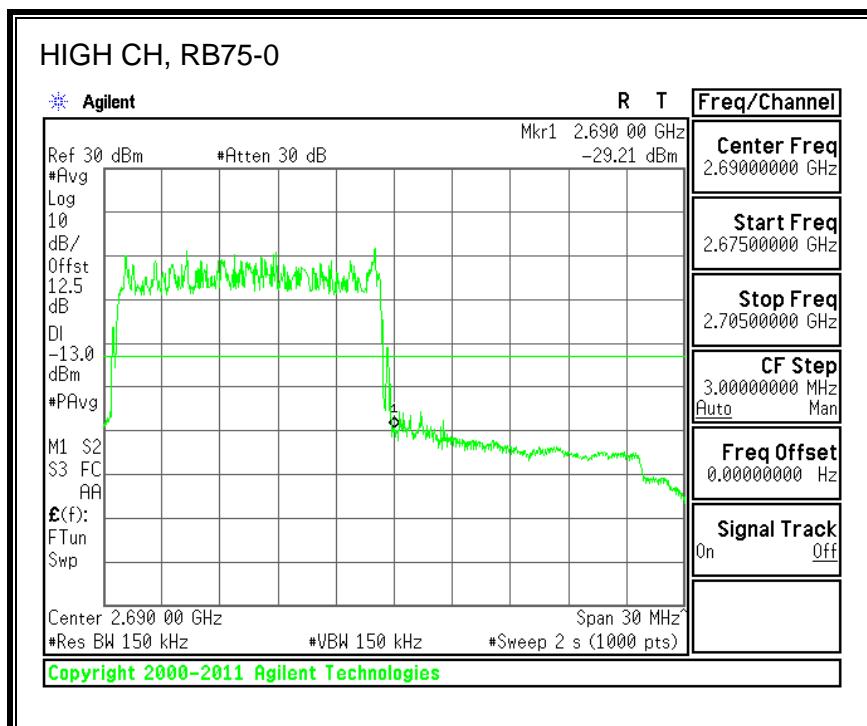
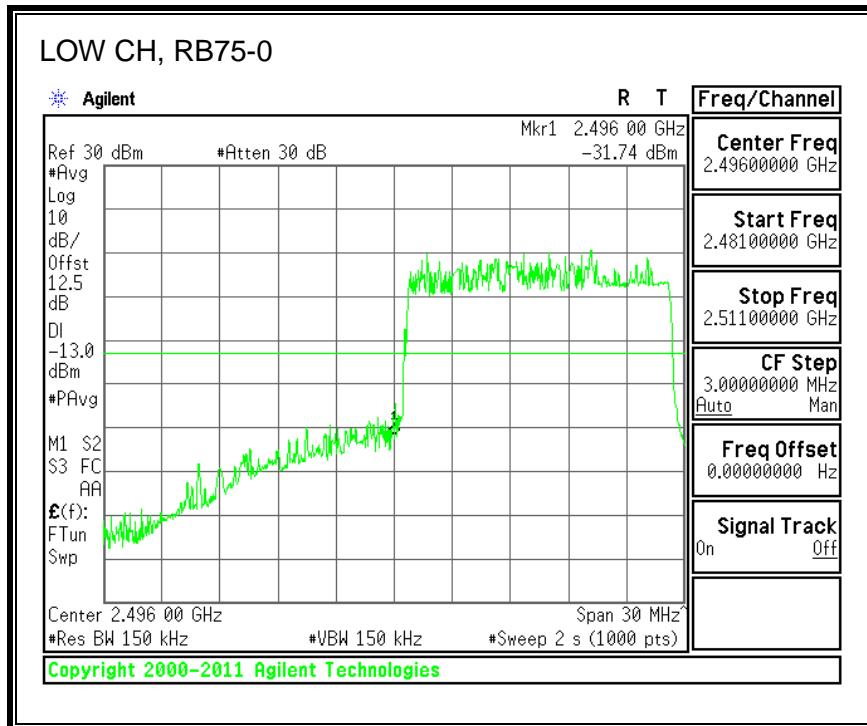


QPSK, (15.0 MHz BAND WIDTH)

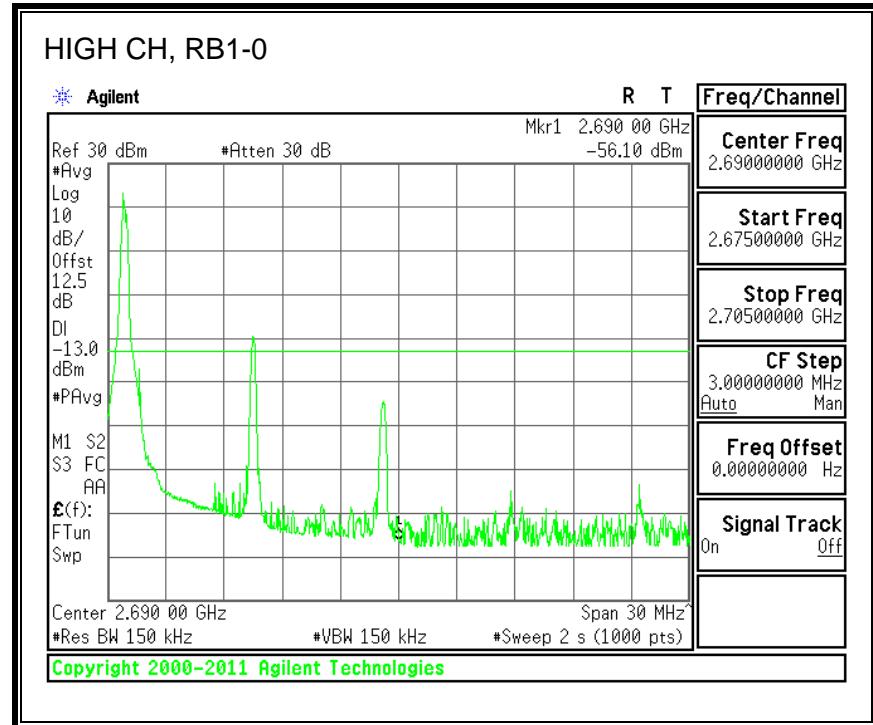
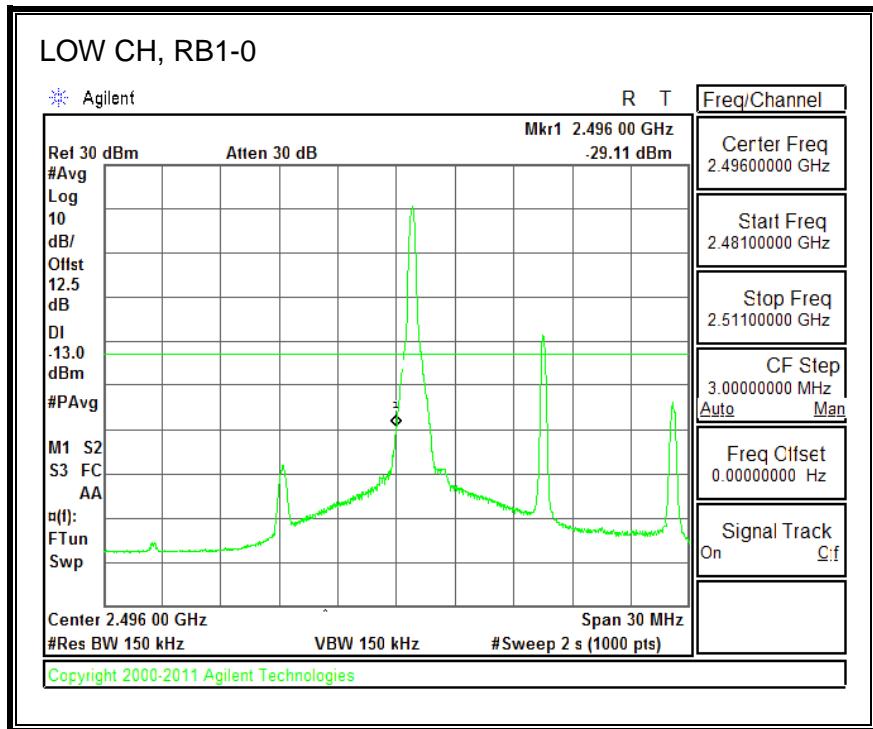


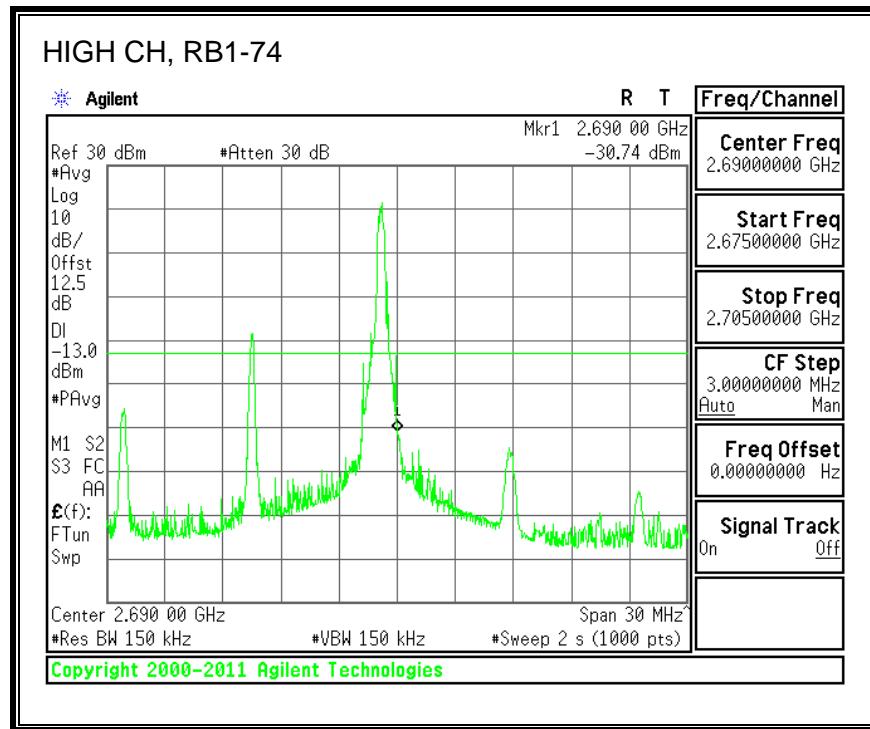
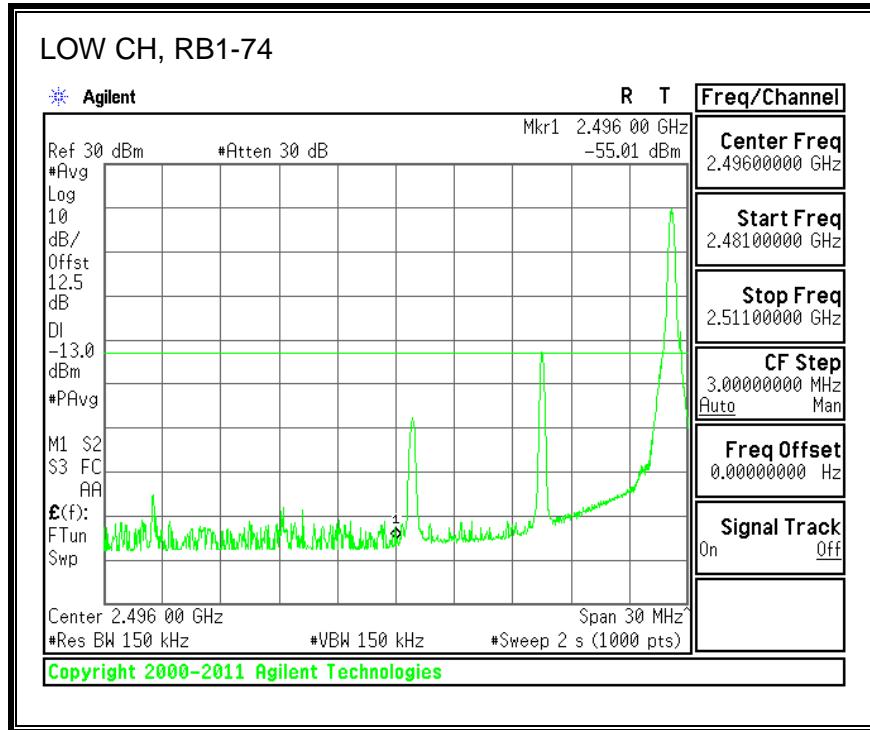


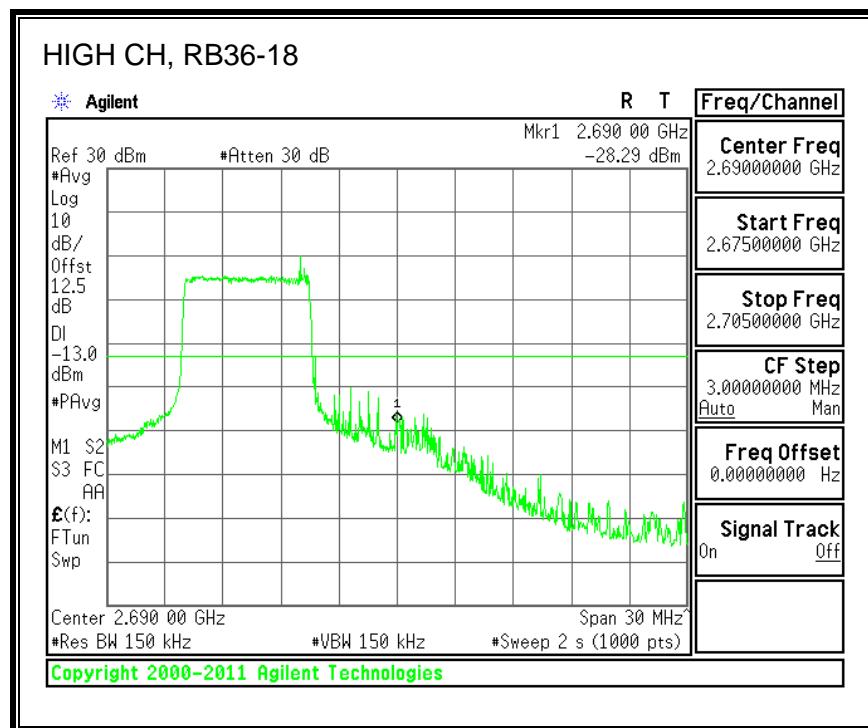
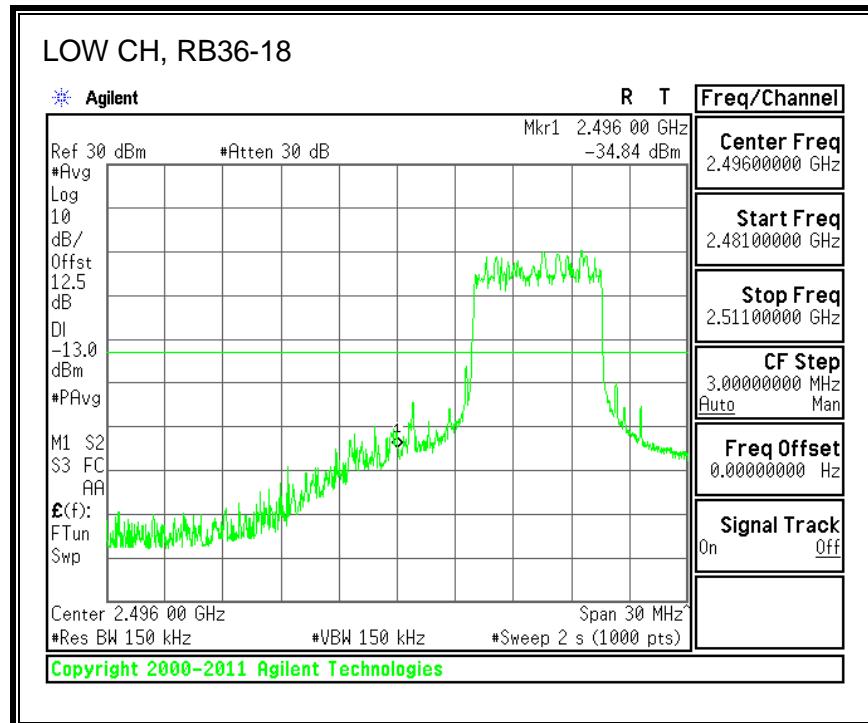


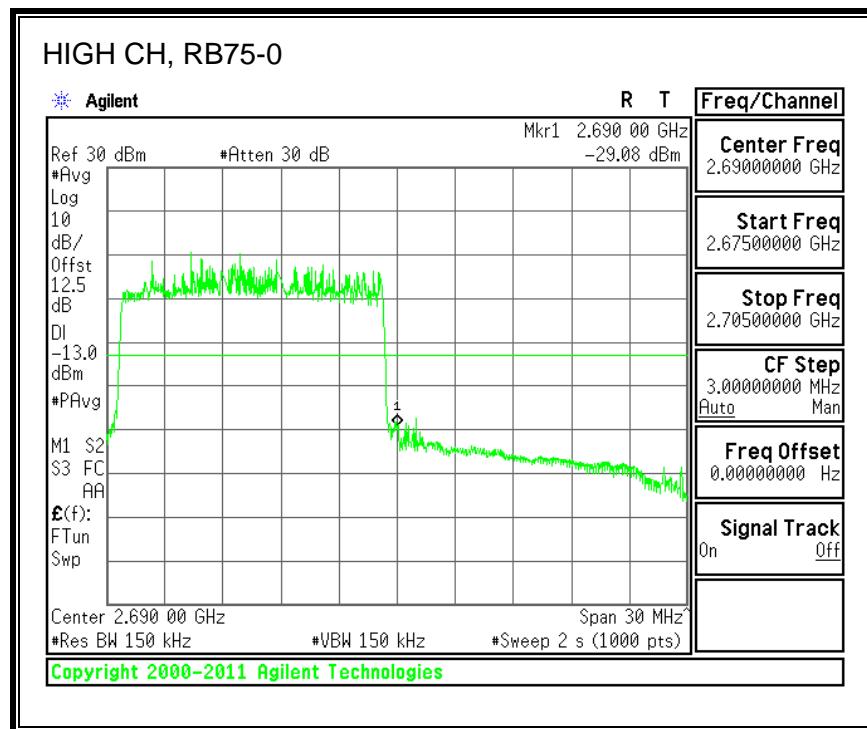
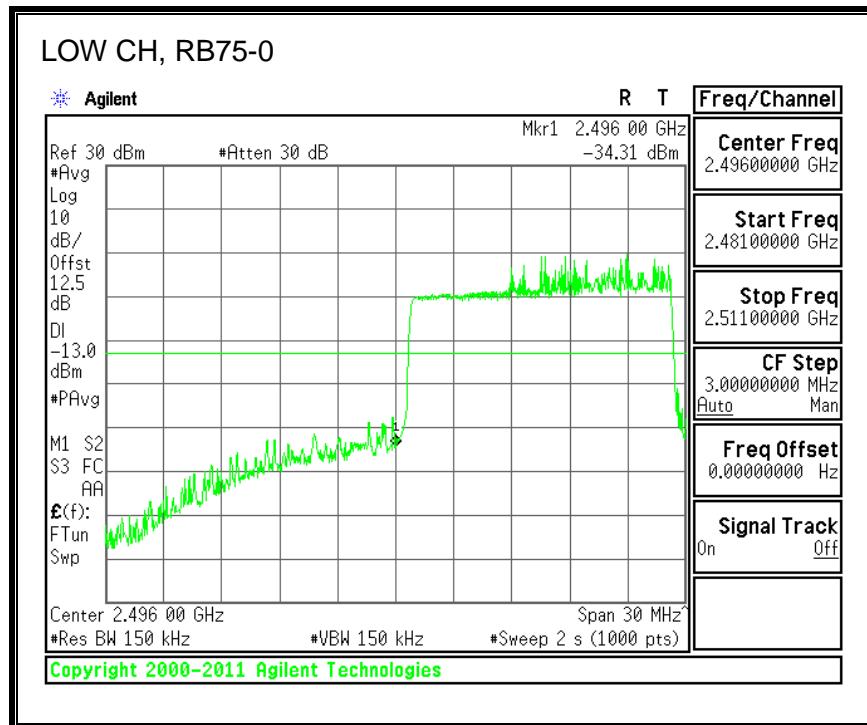


16QAM, (15.0 MHz BAND WIDTH)

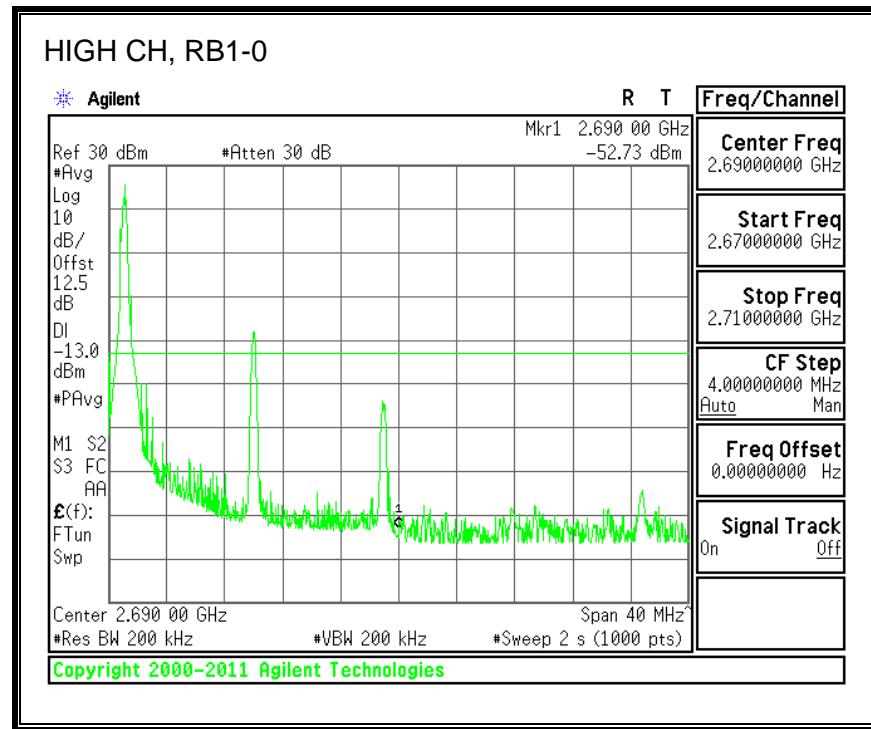
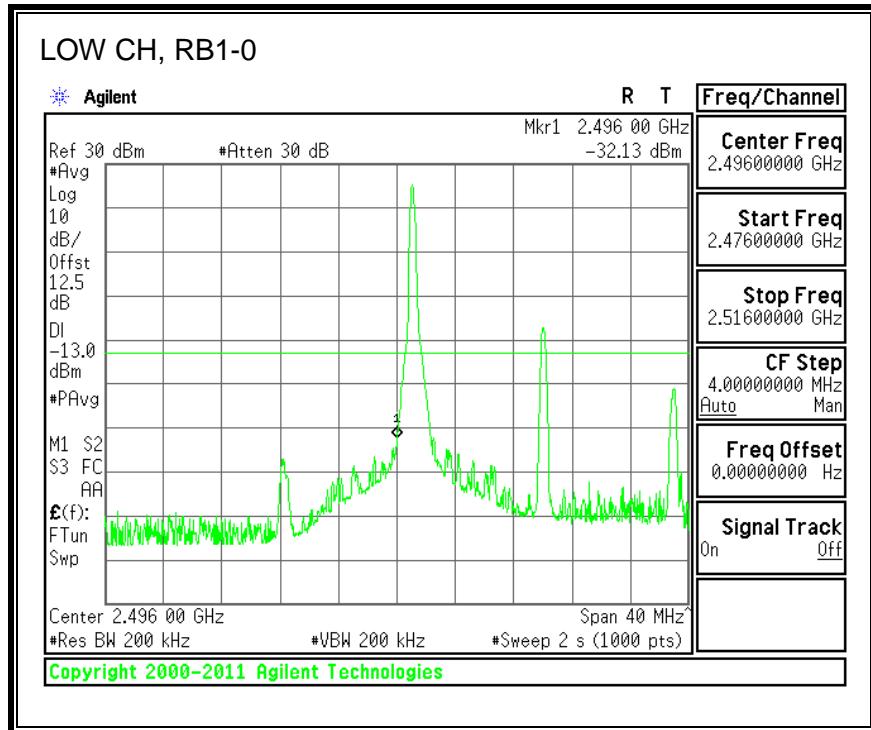


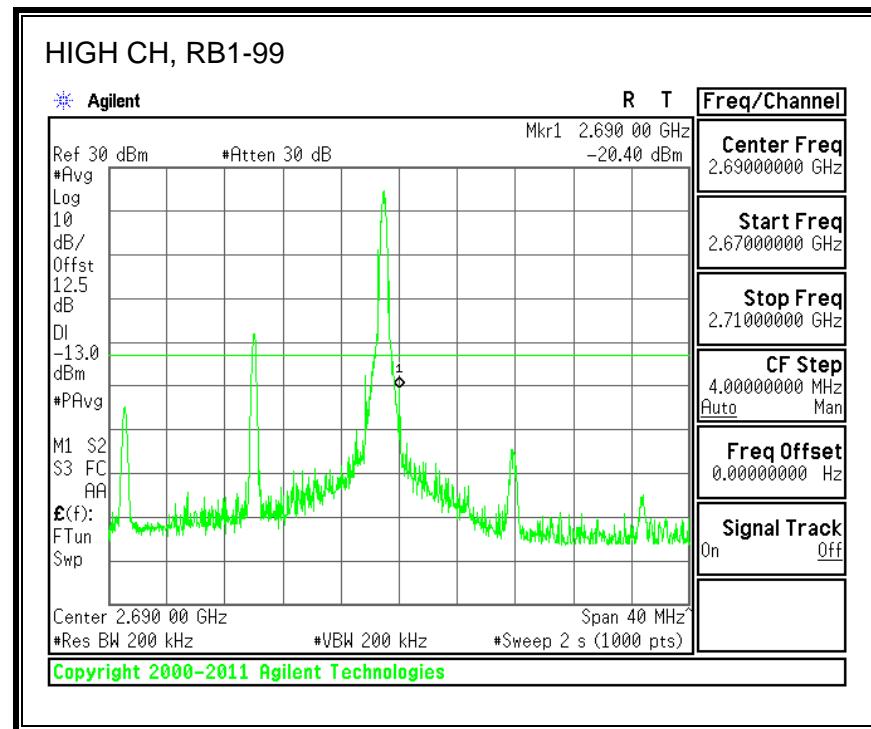
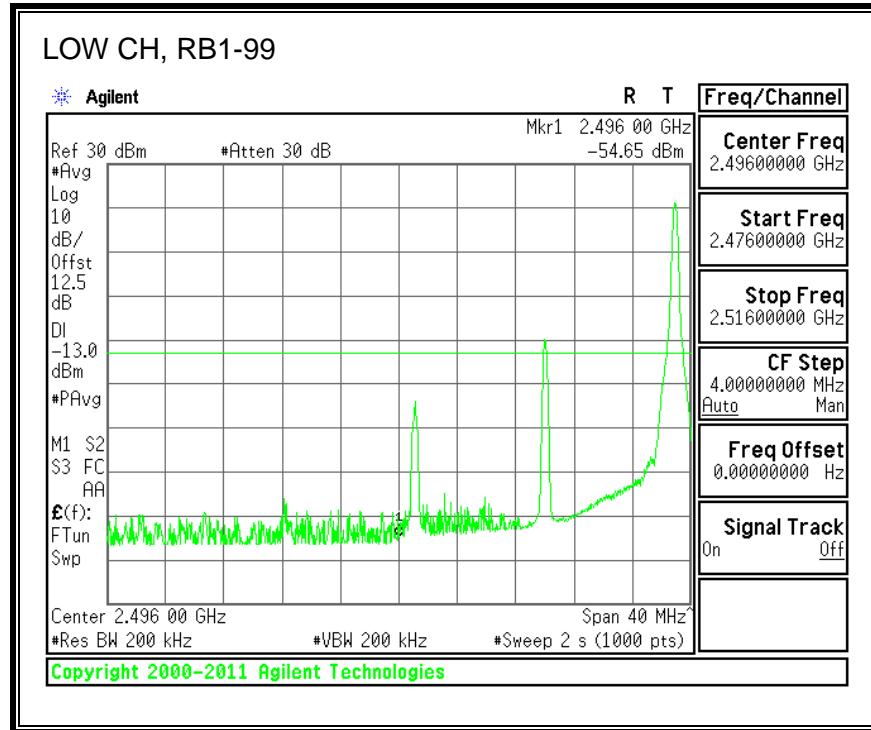


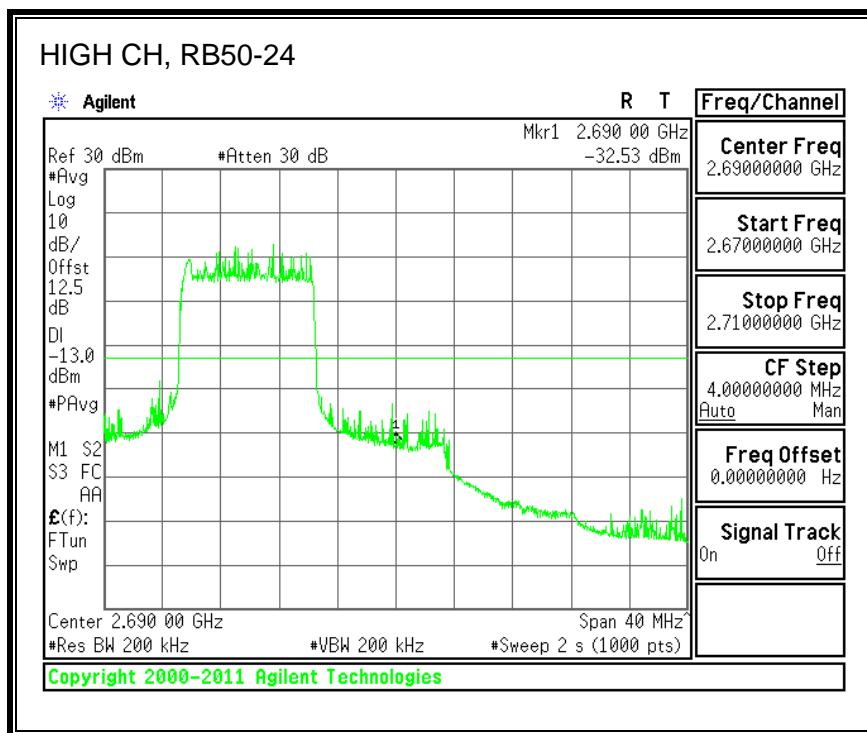
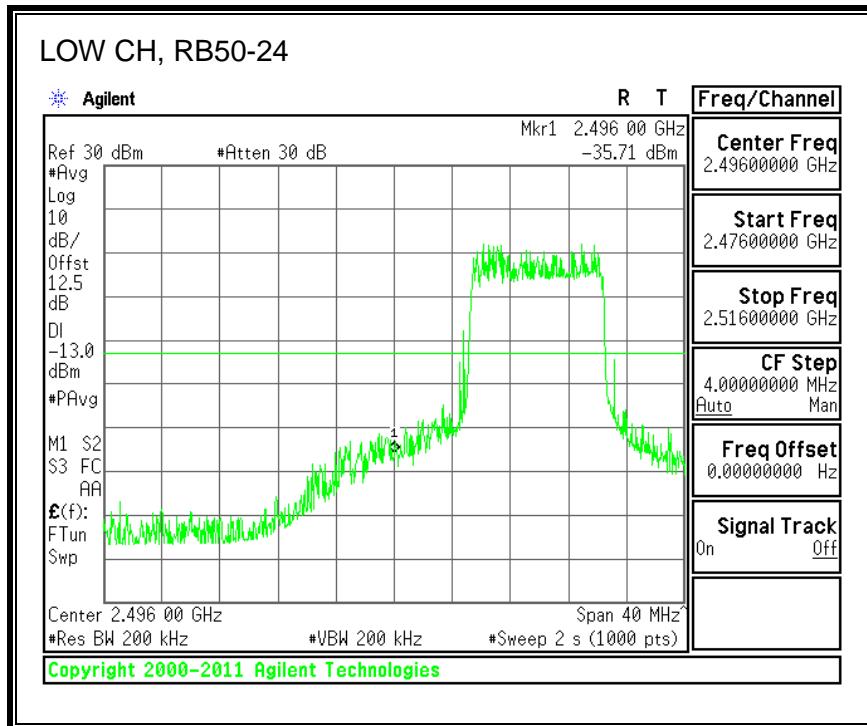


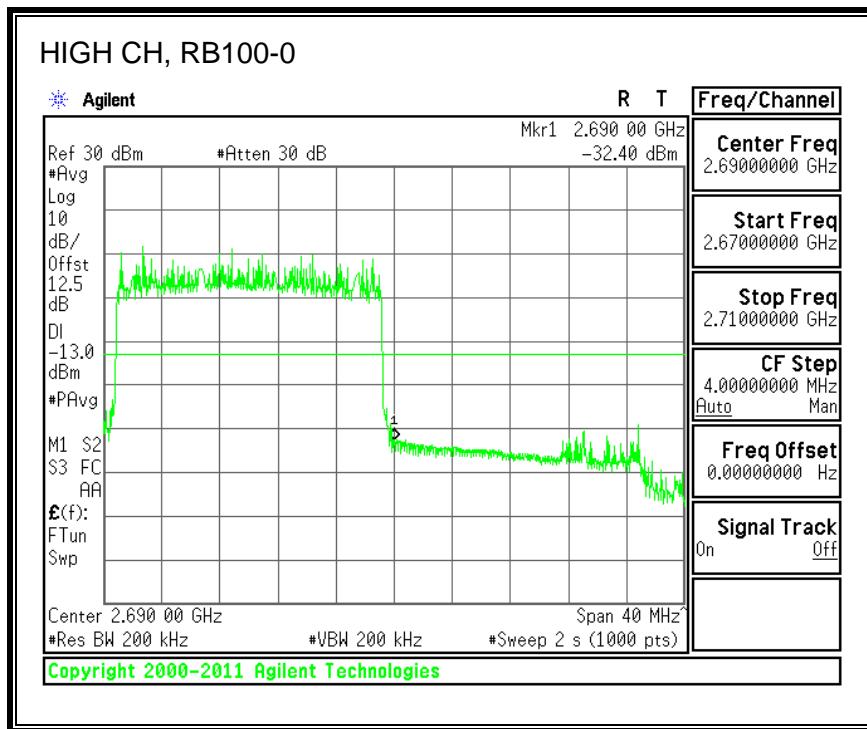
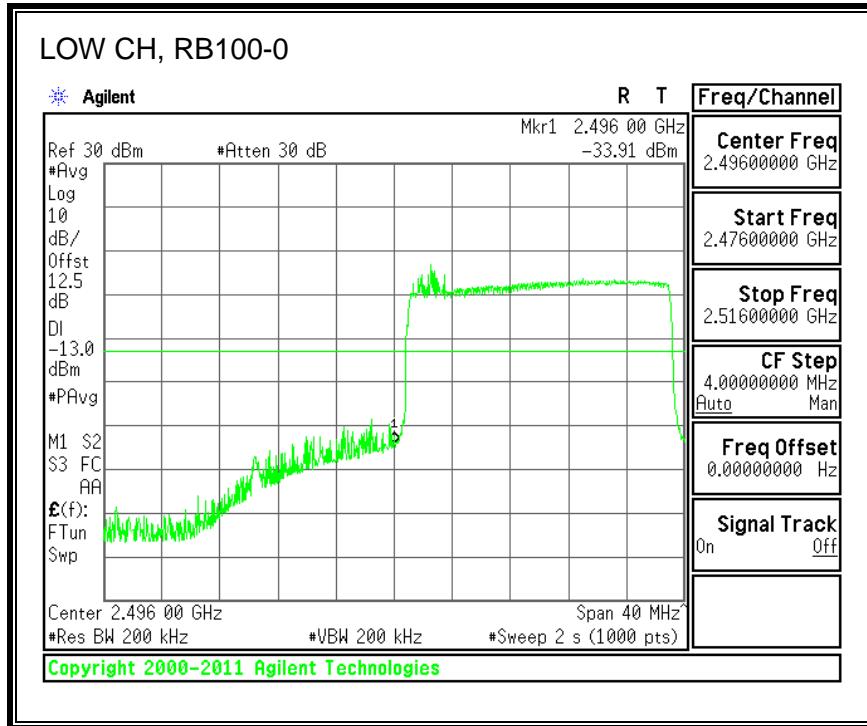


QPSK, (20.0 MHz BAND WIDTH)

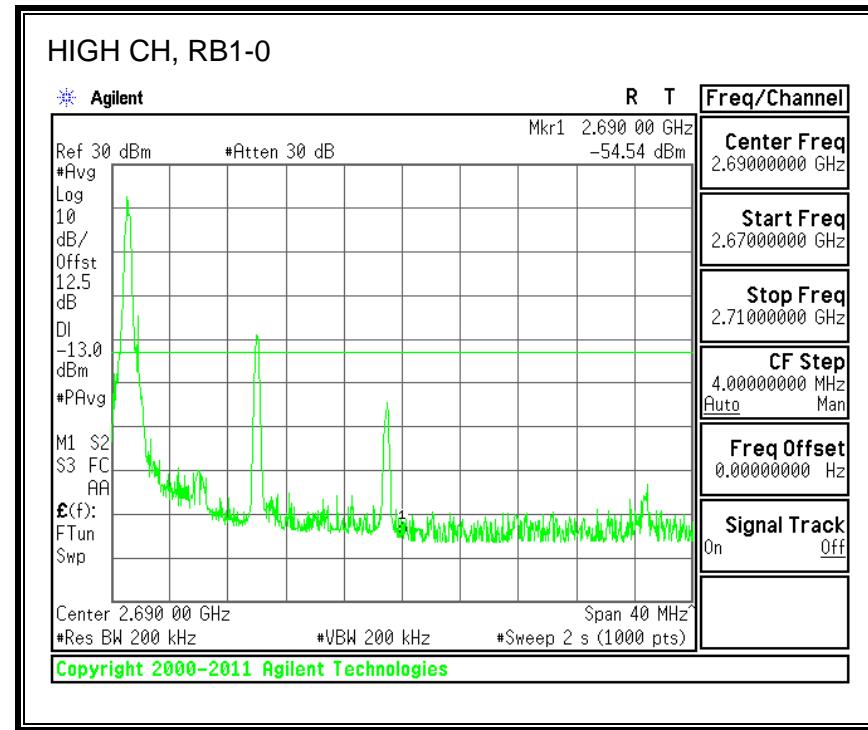
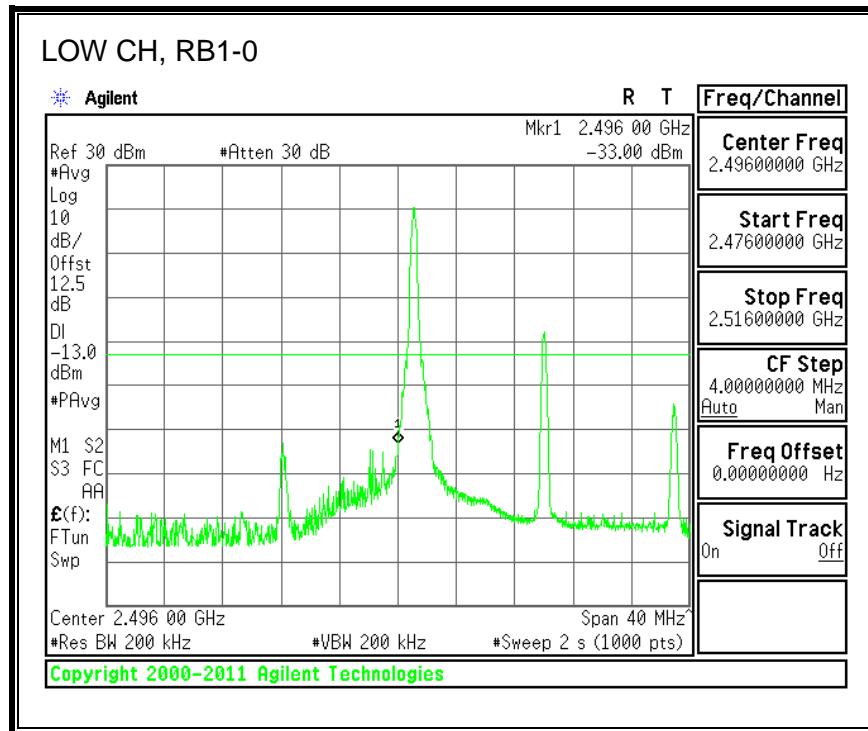


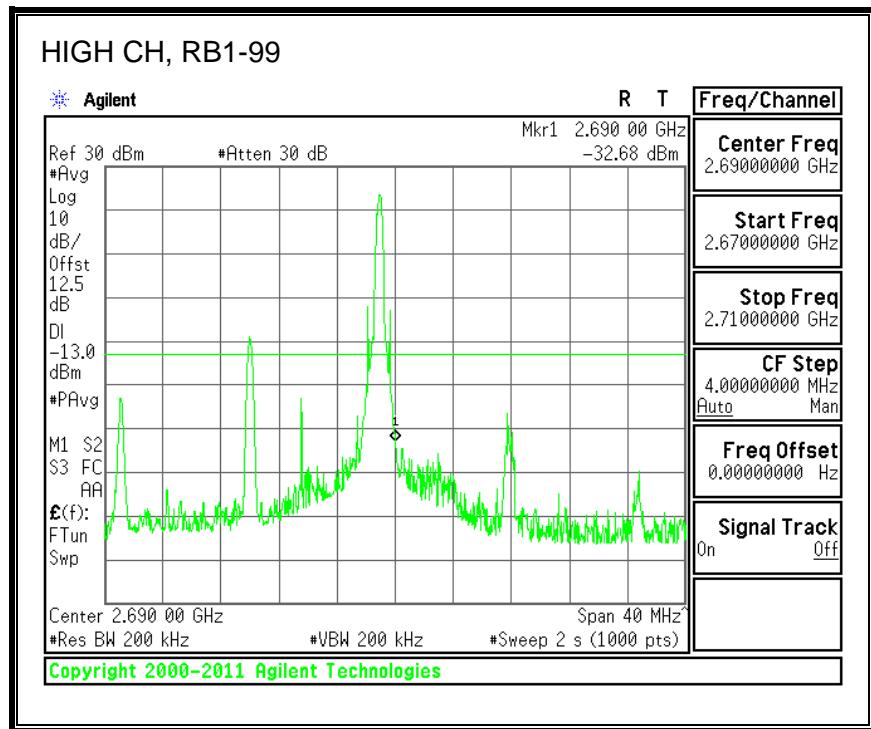
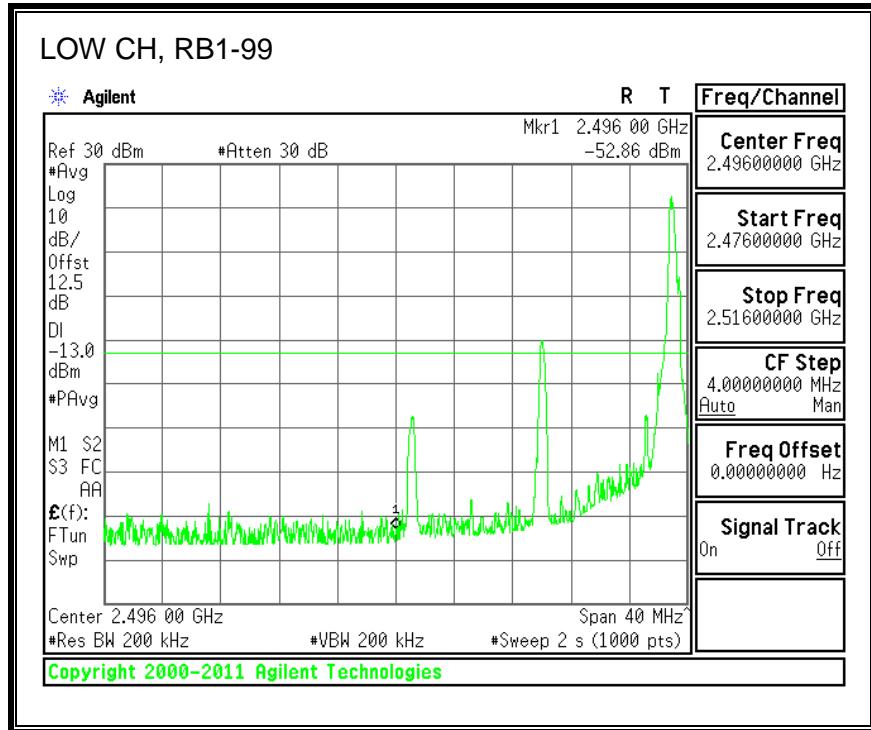


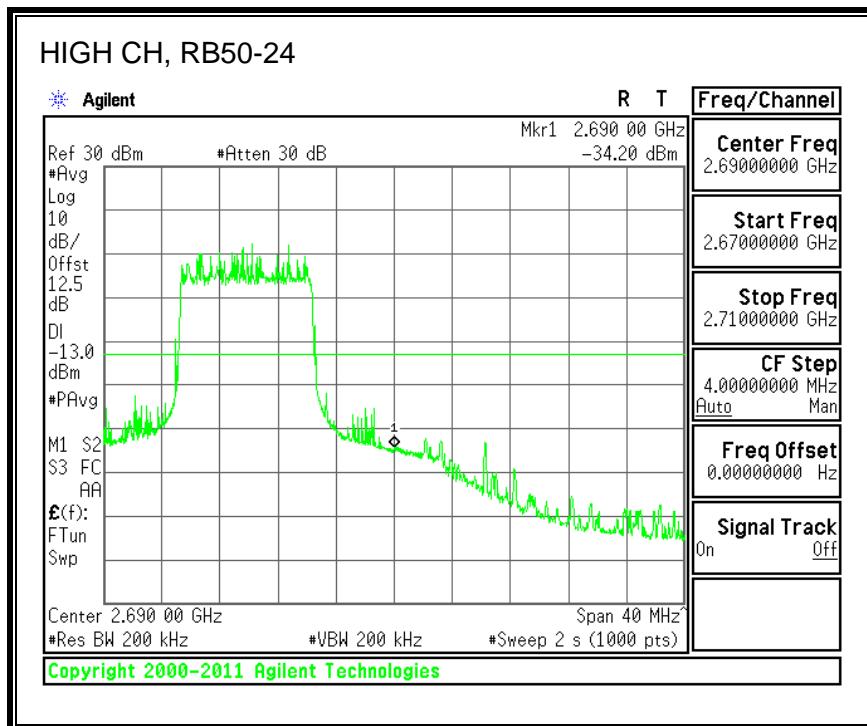
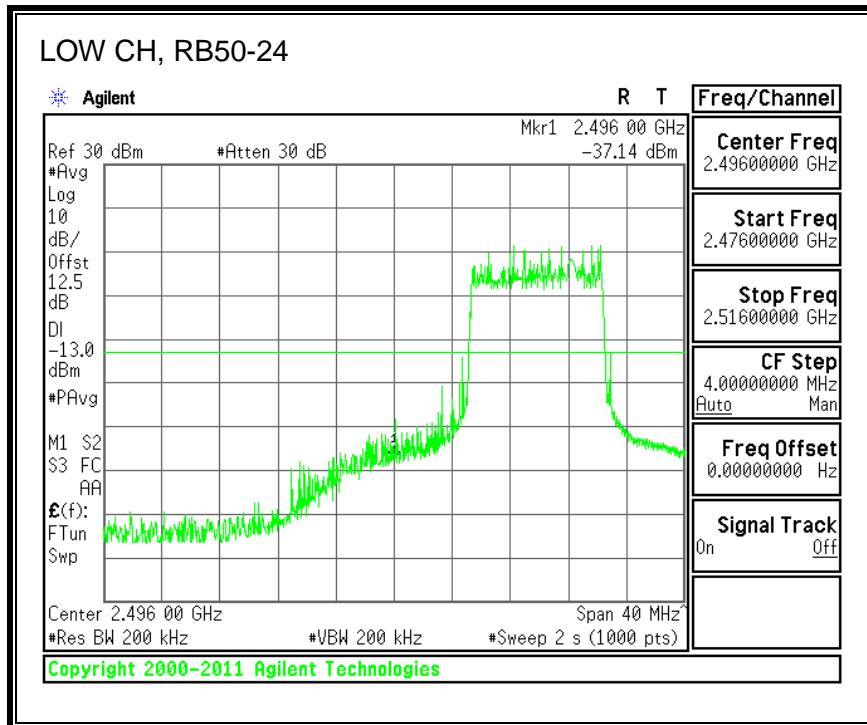


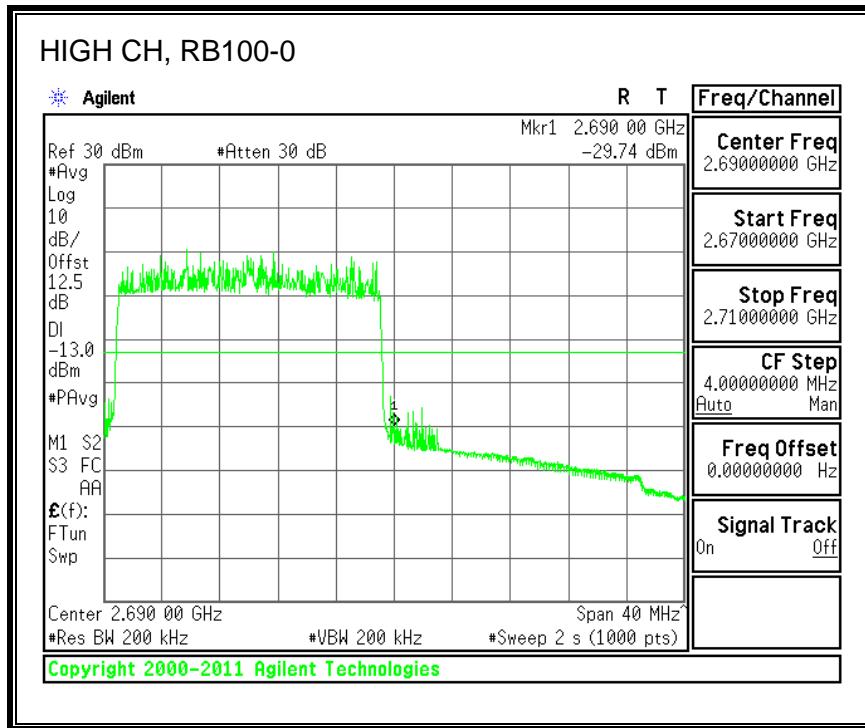
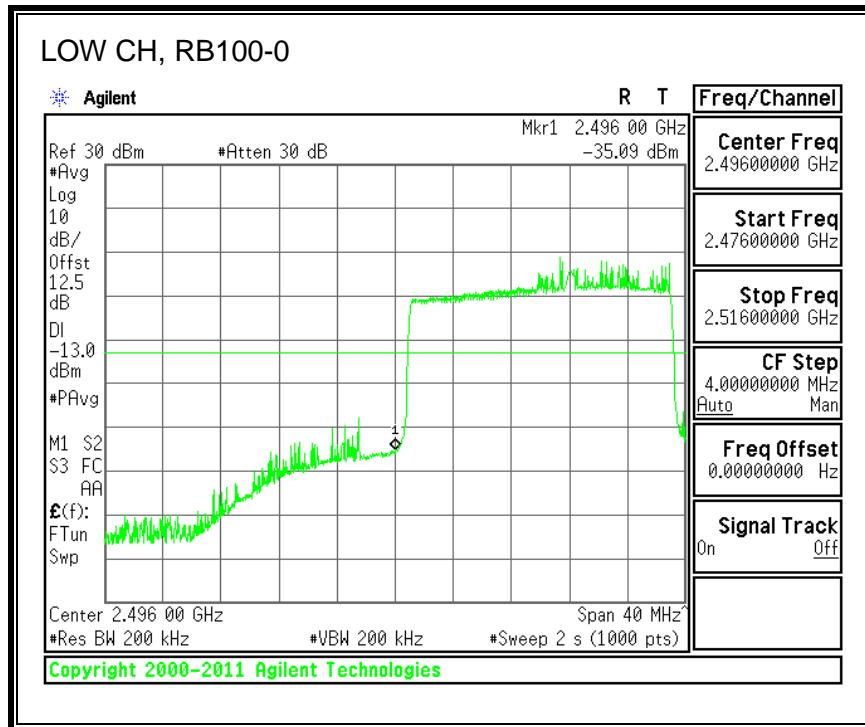


16QAM, (20.0 MHz BAND WIDTH)



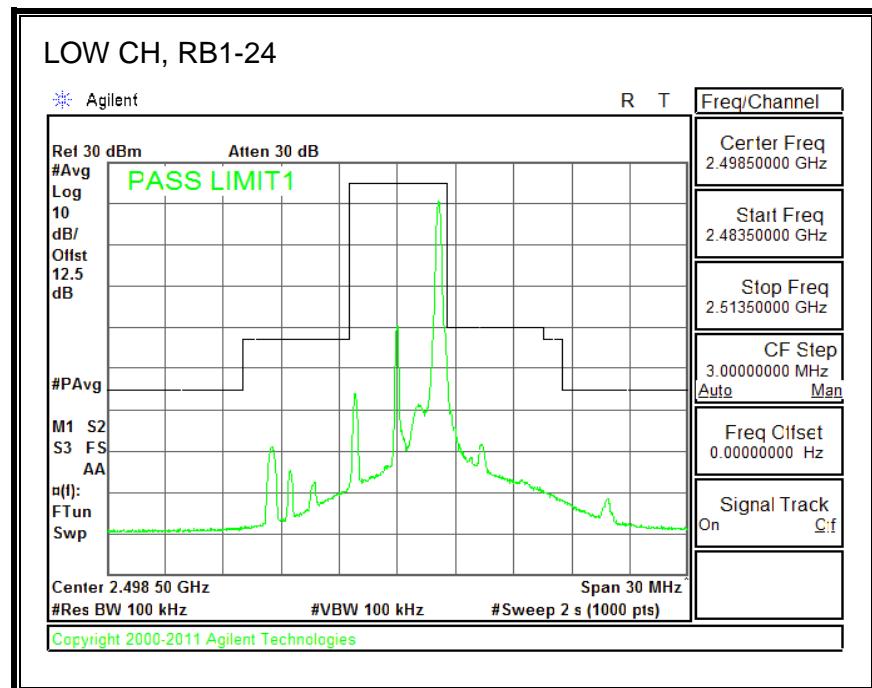
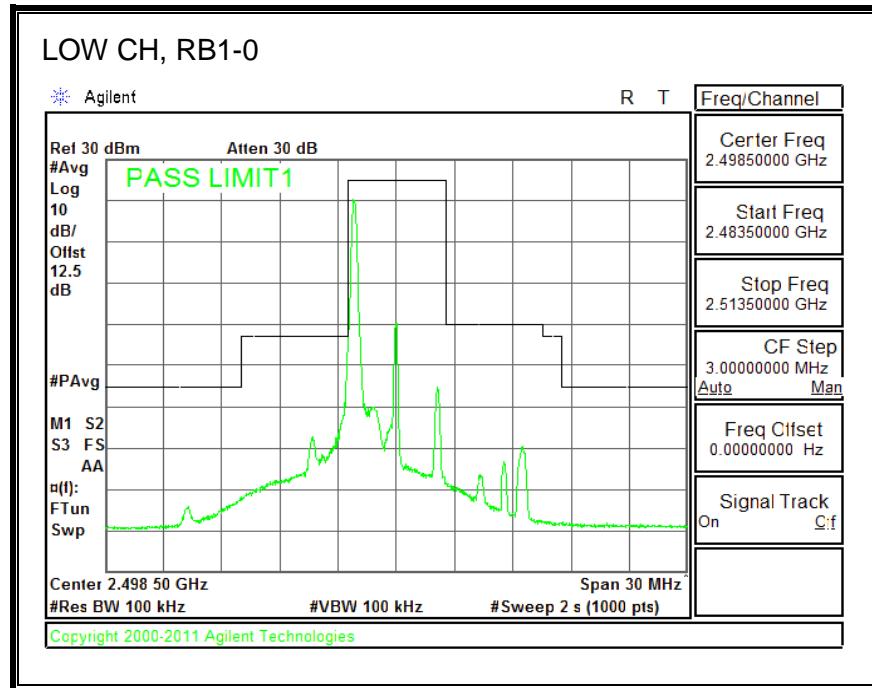


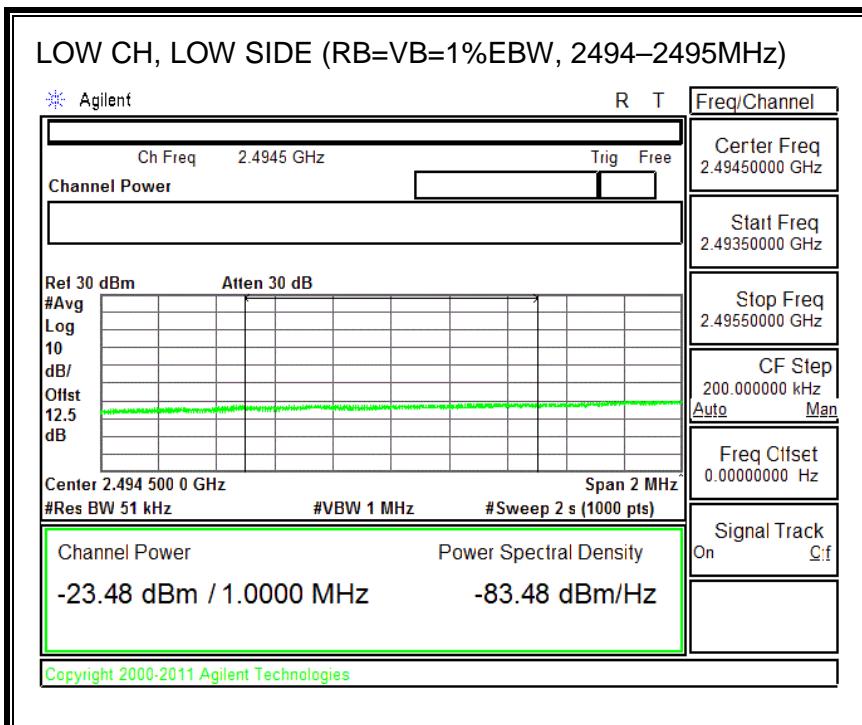
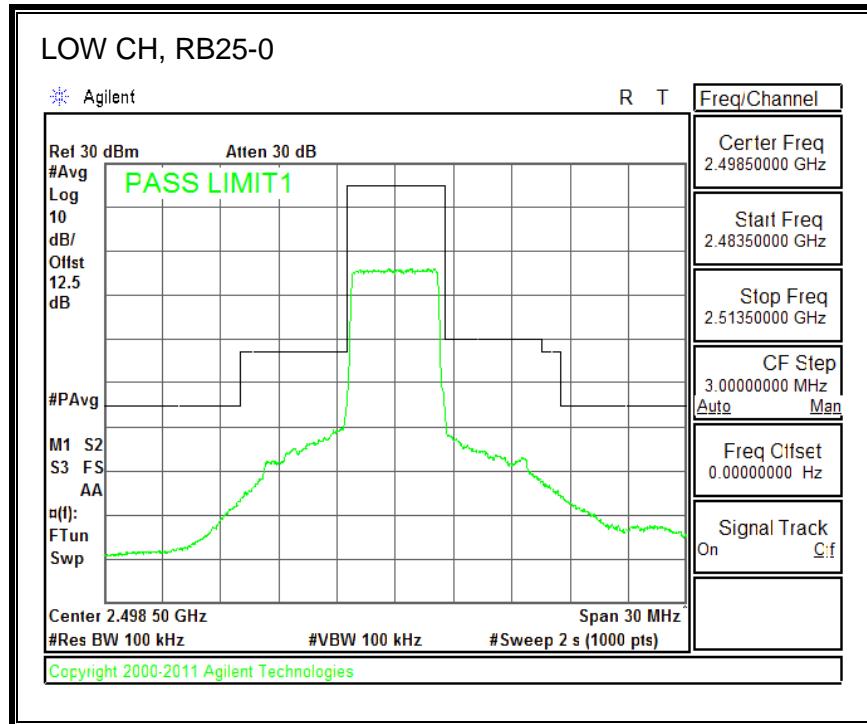


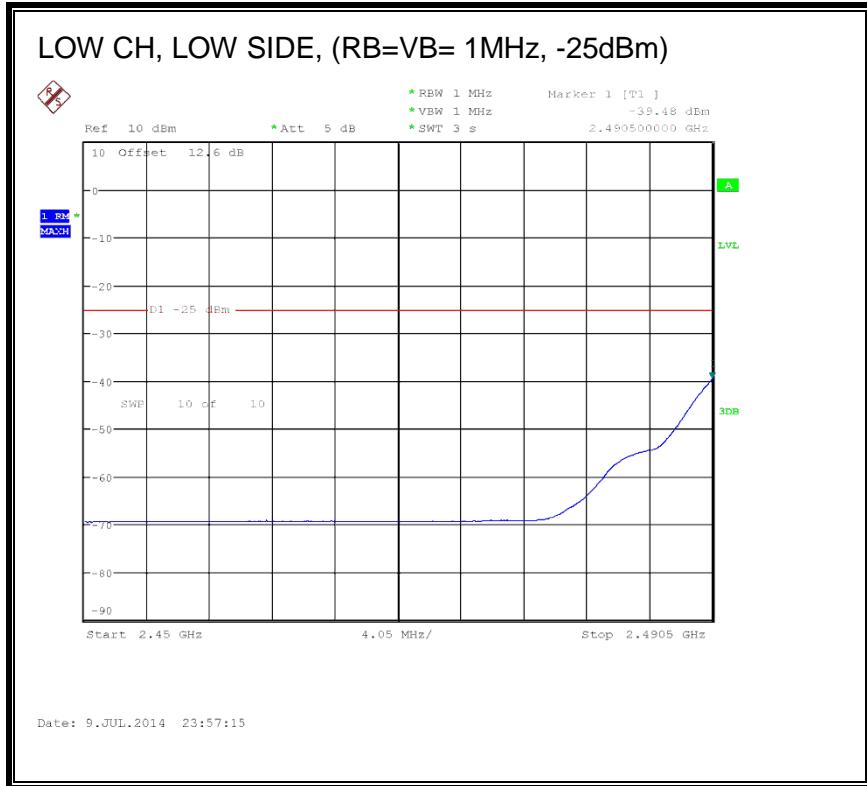
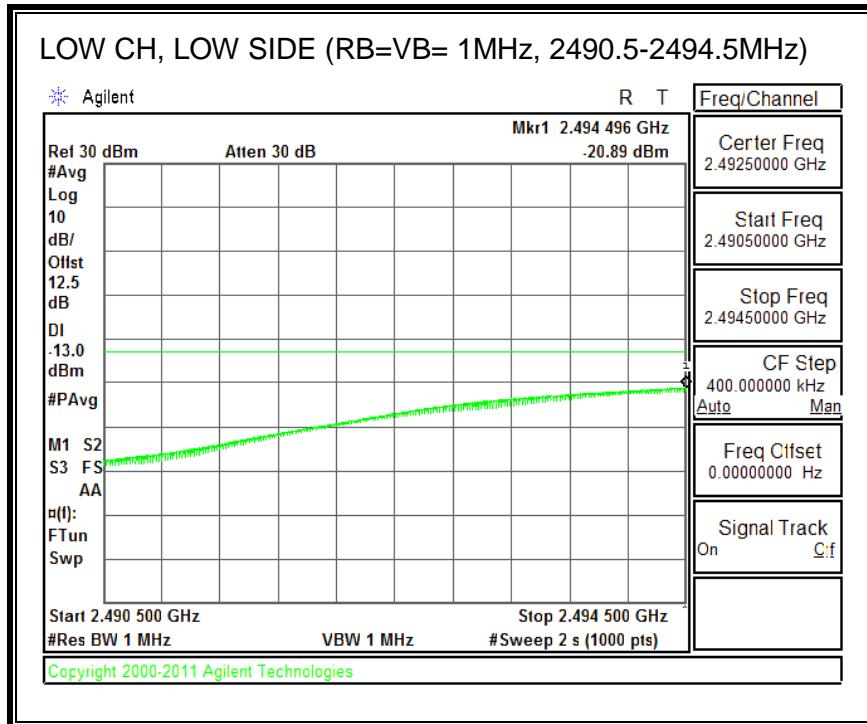


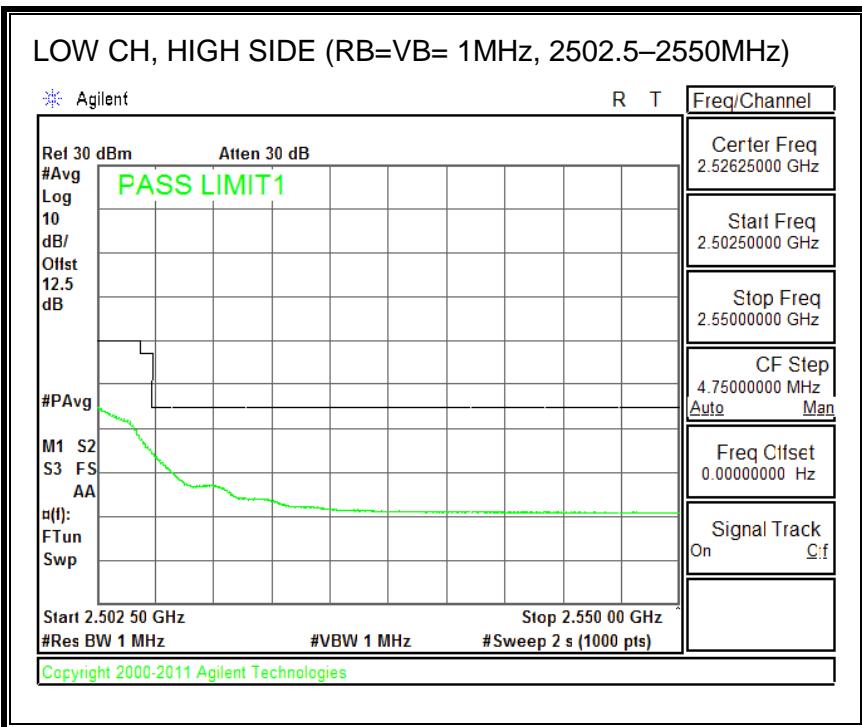
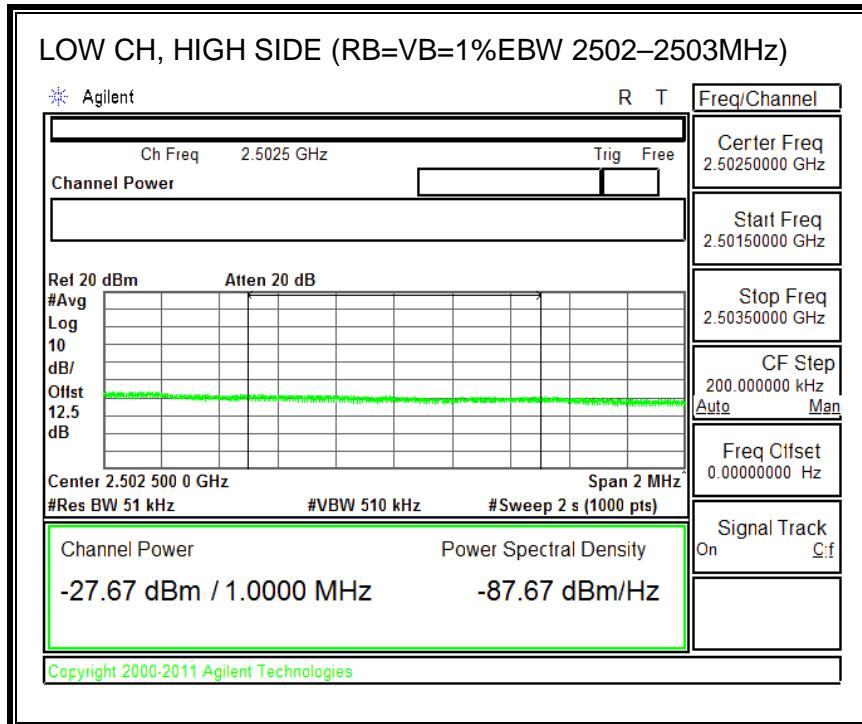
8.2.9.1. LTE BAND 41 EMISSION MASK

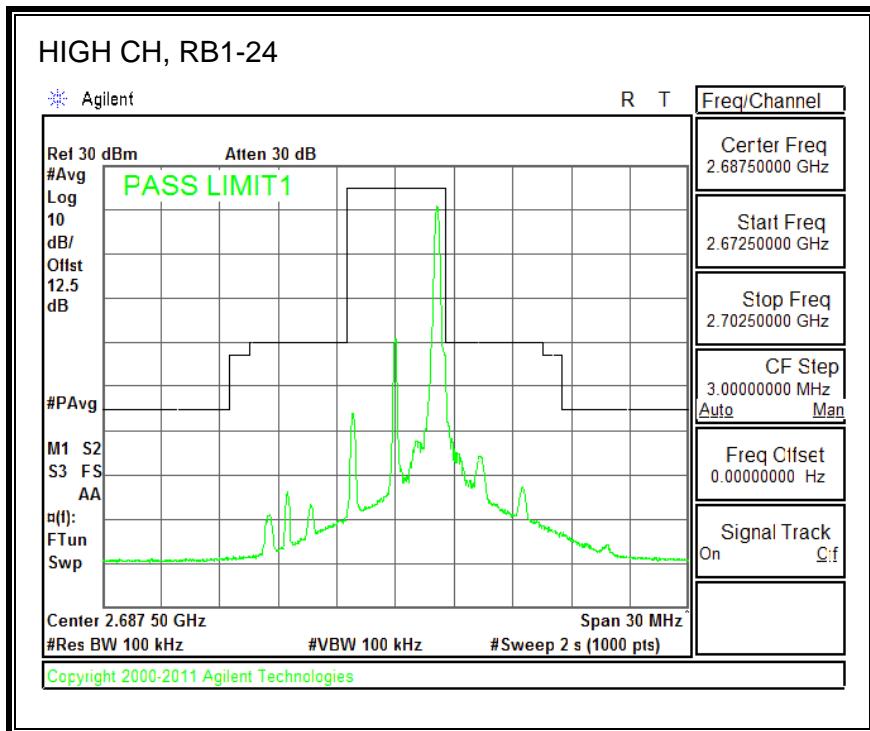
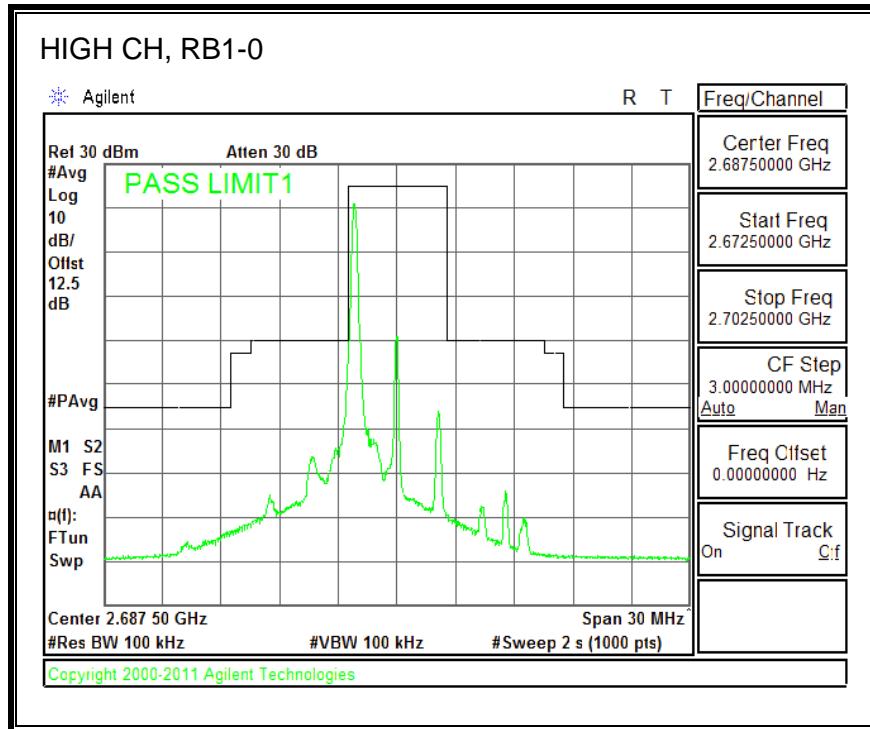
QPSK, (5.0 MHz BAND WIDTH)

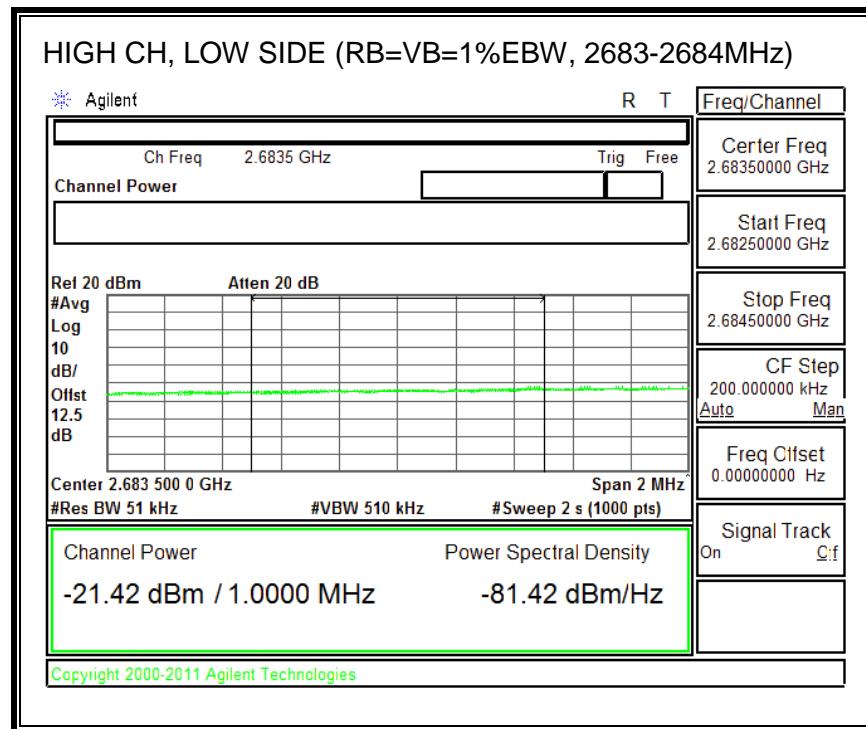
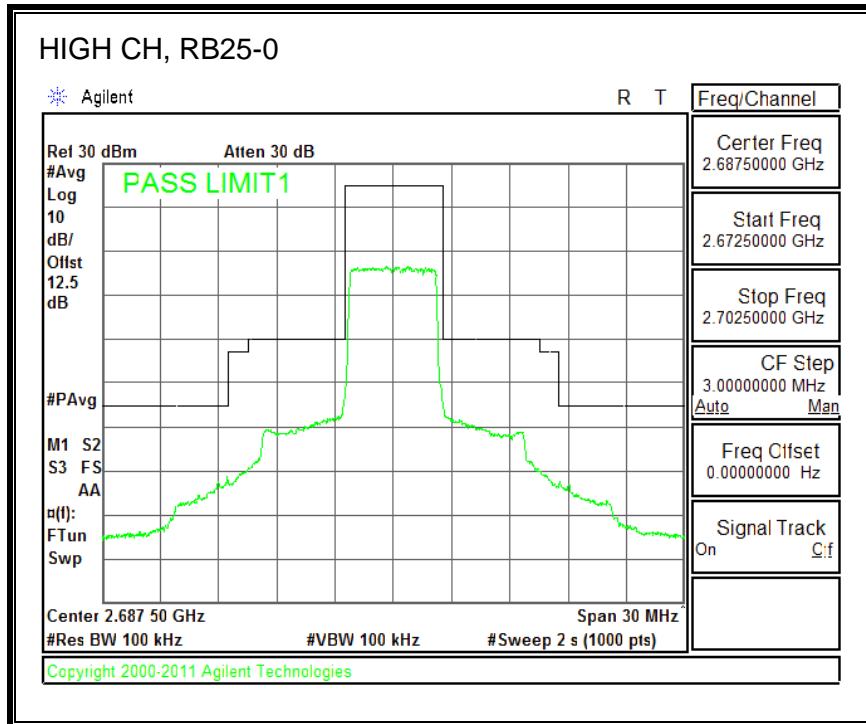


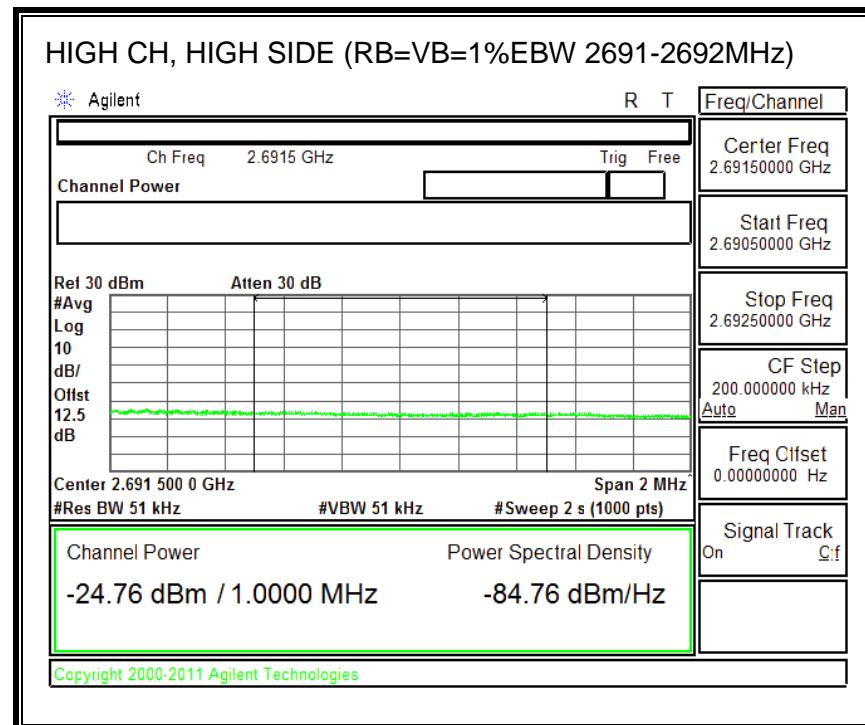
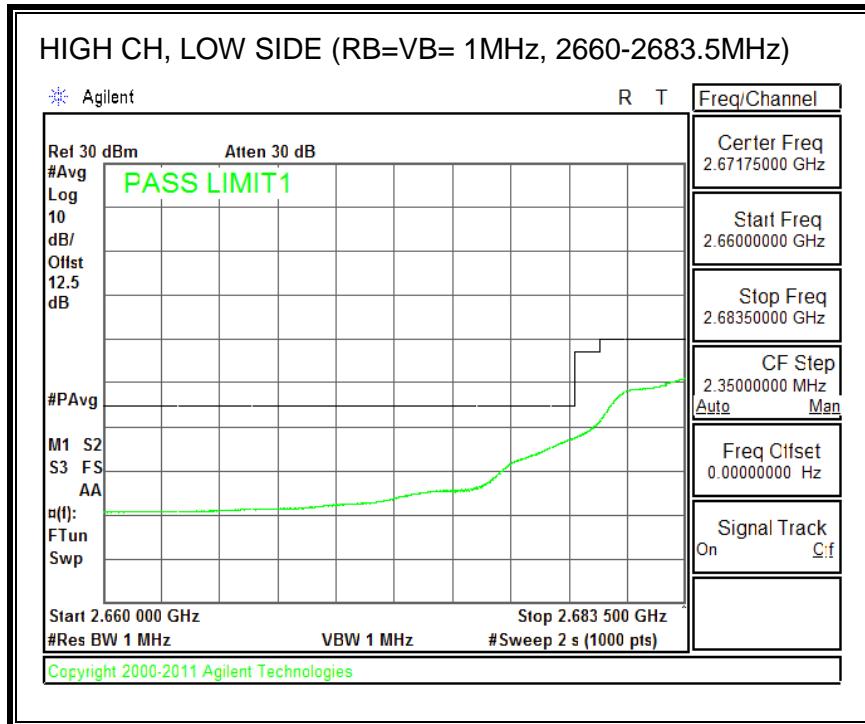


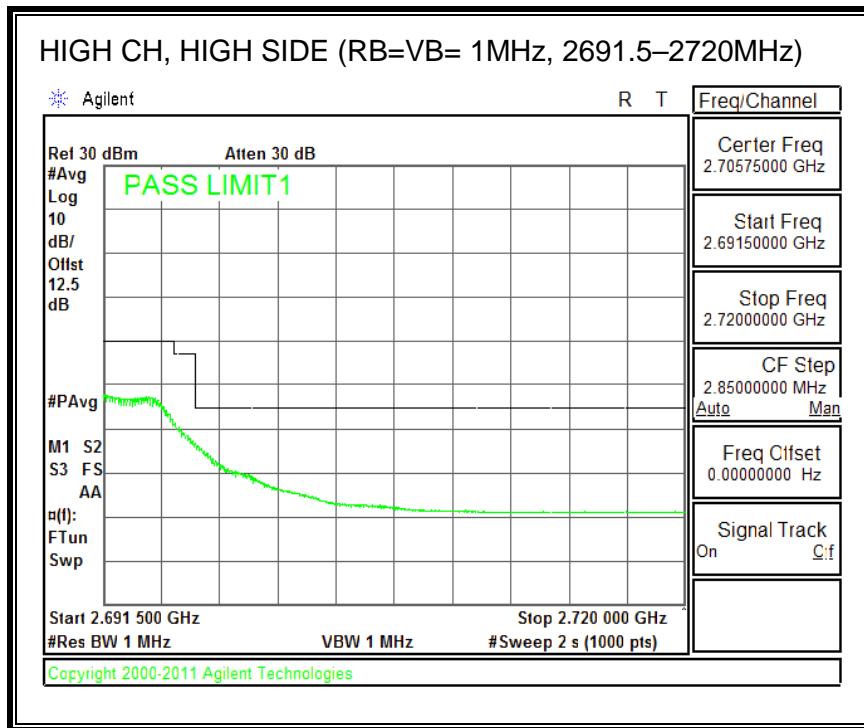




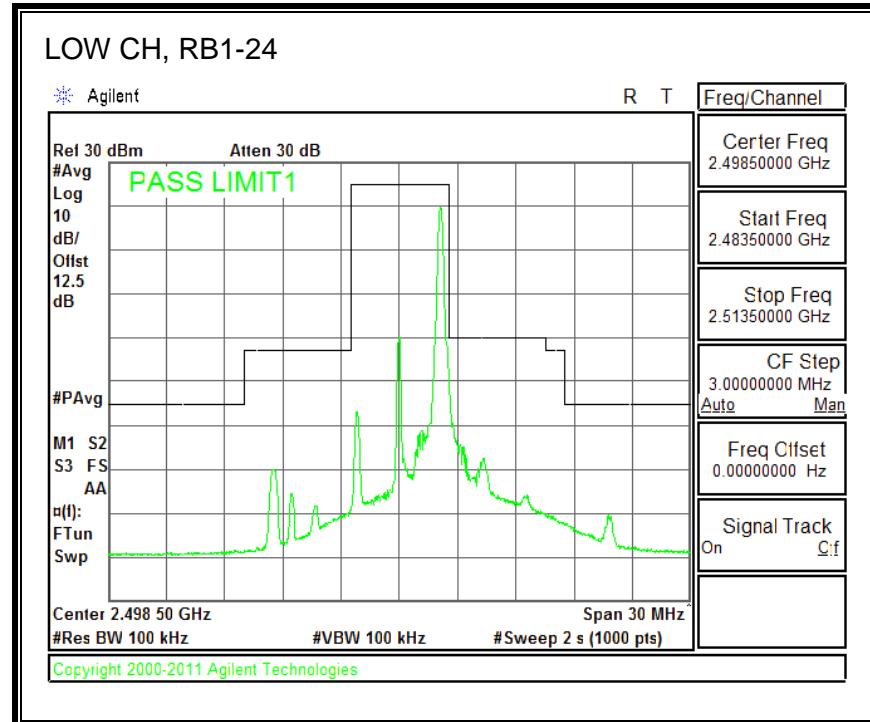
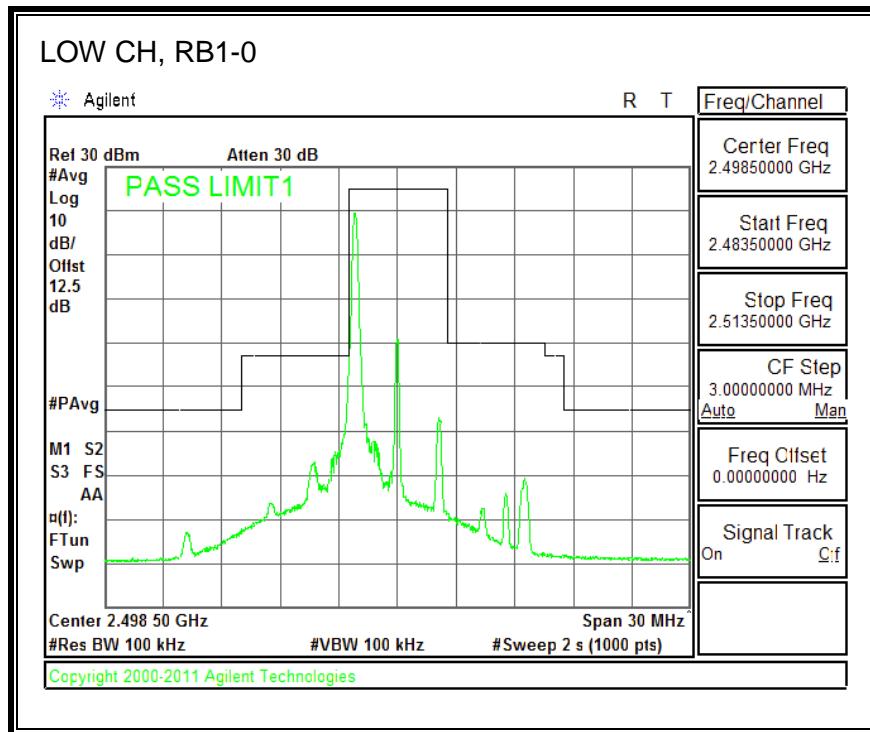


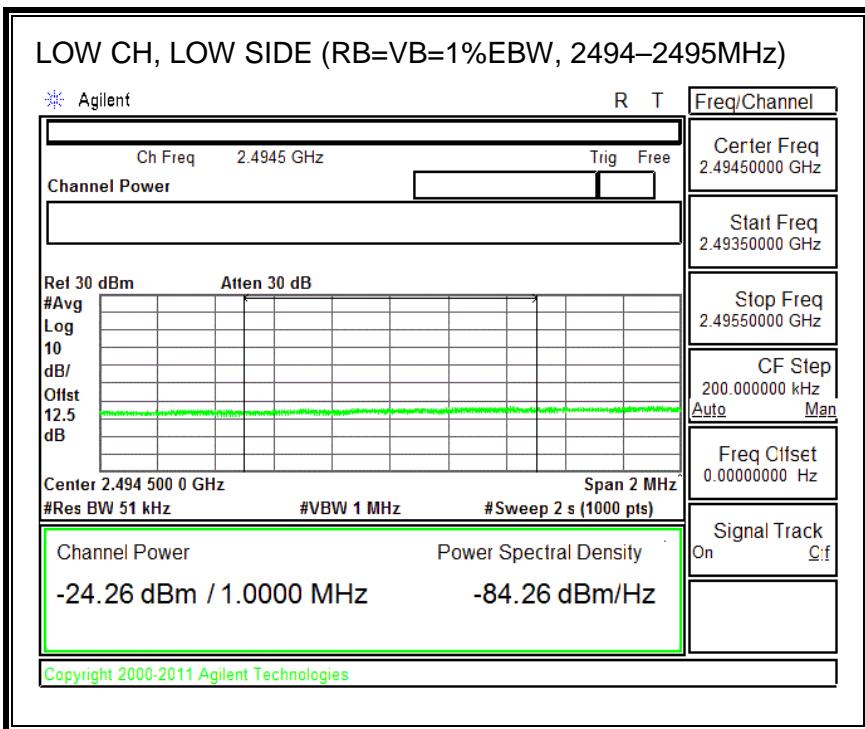
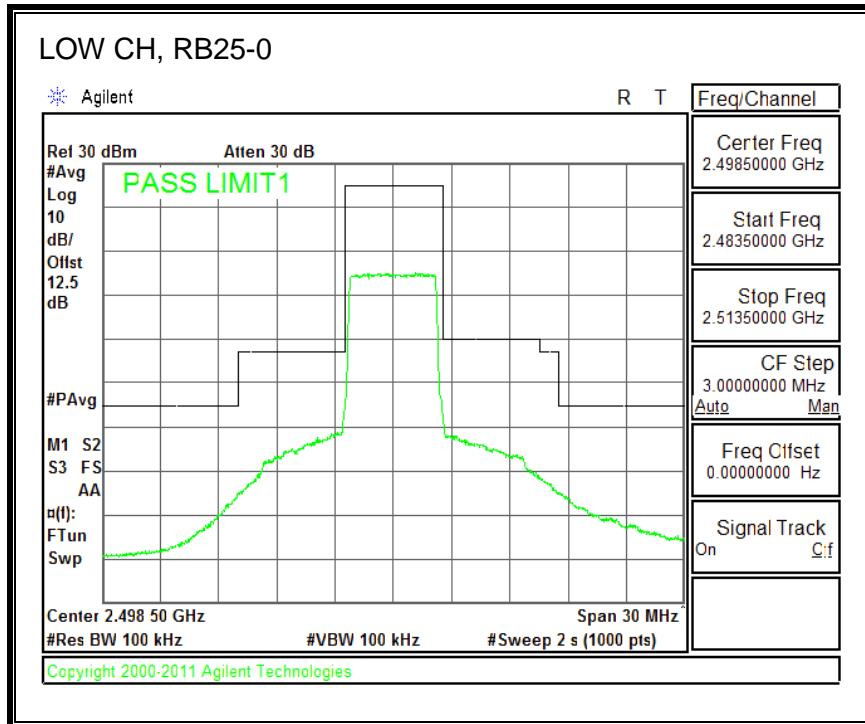


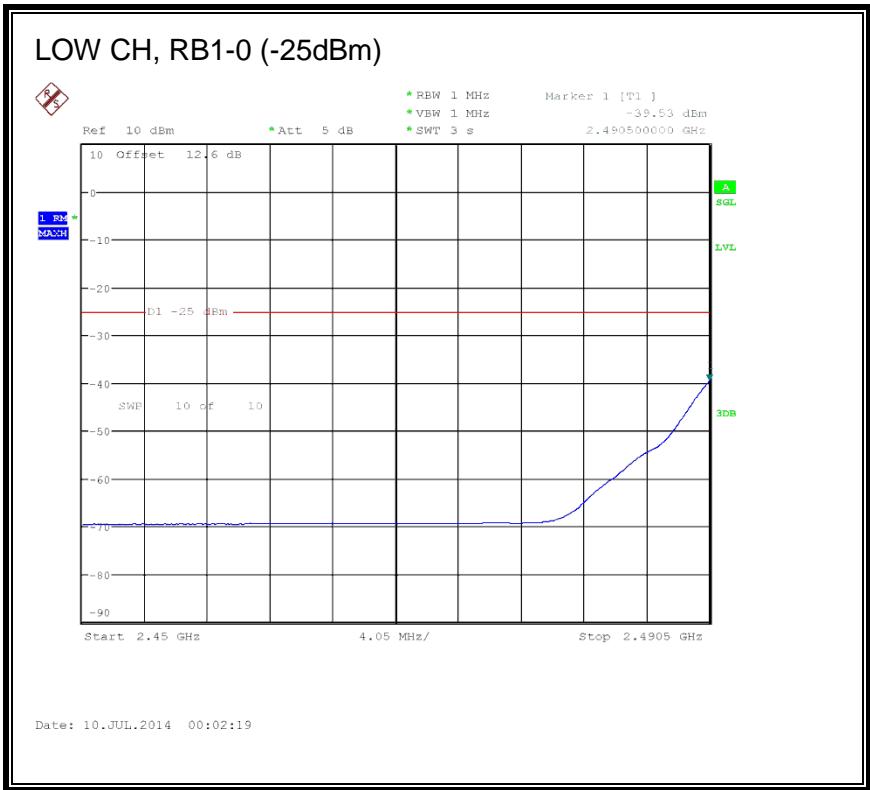
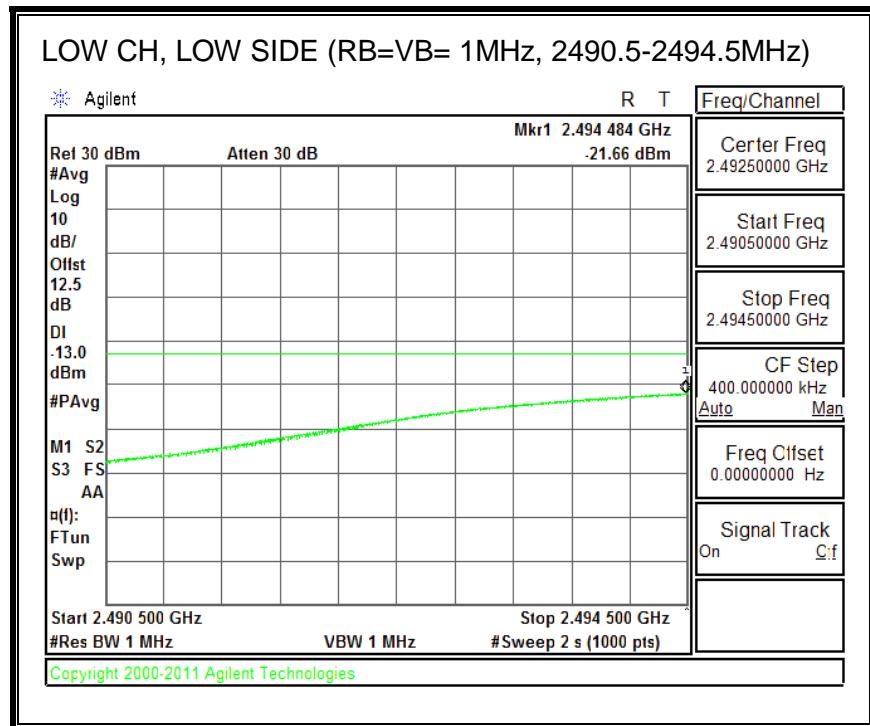


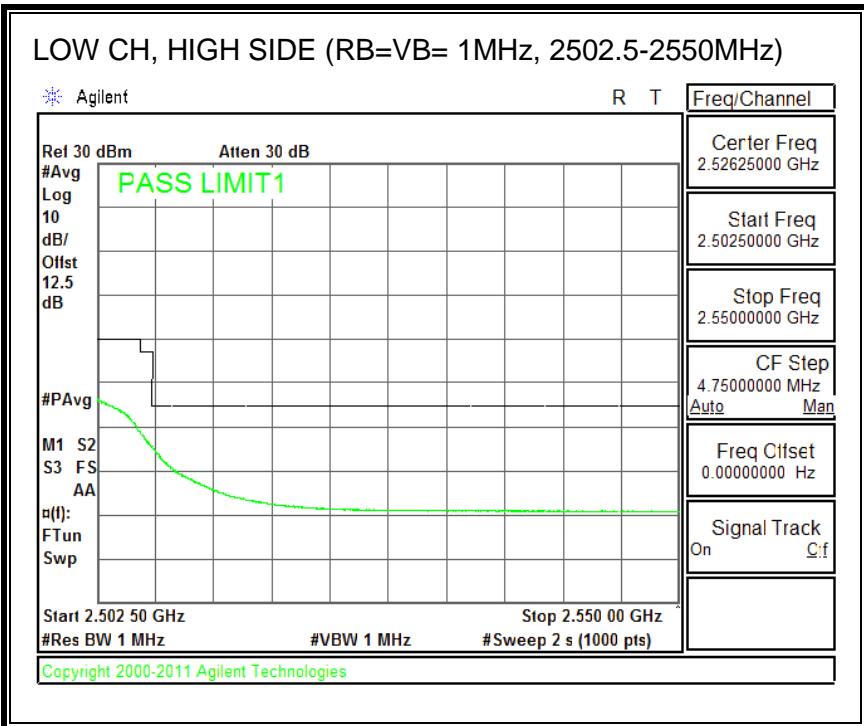
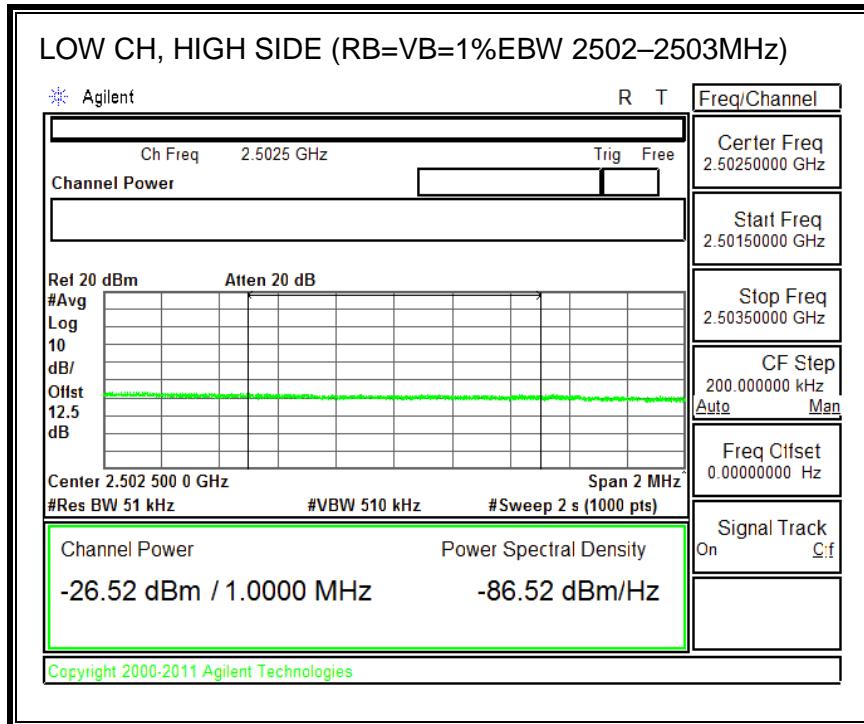


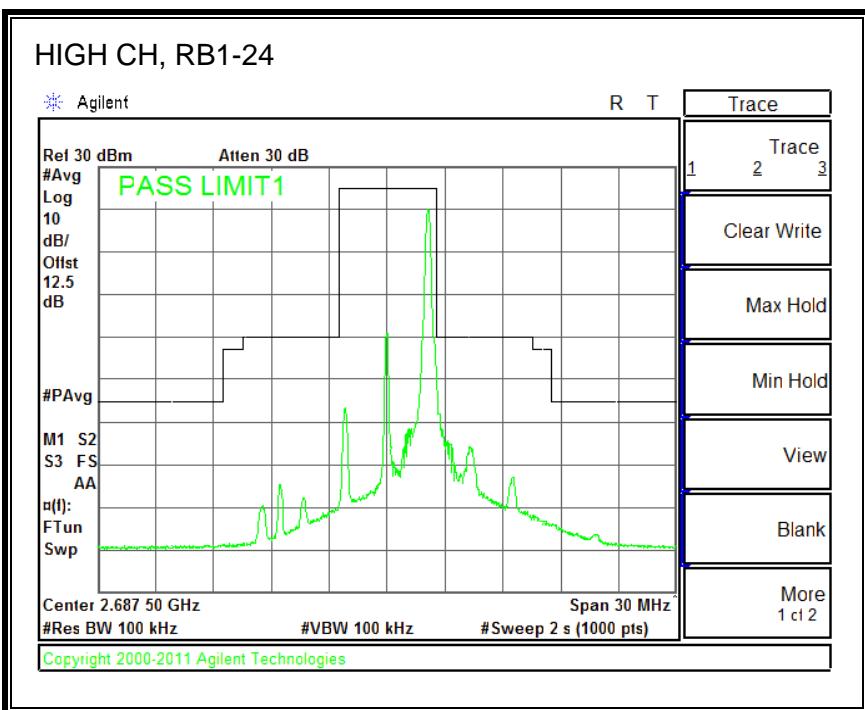
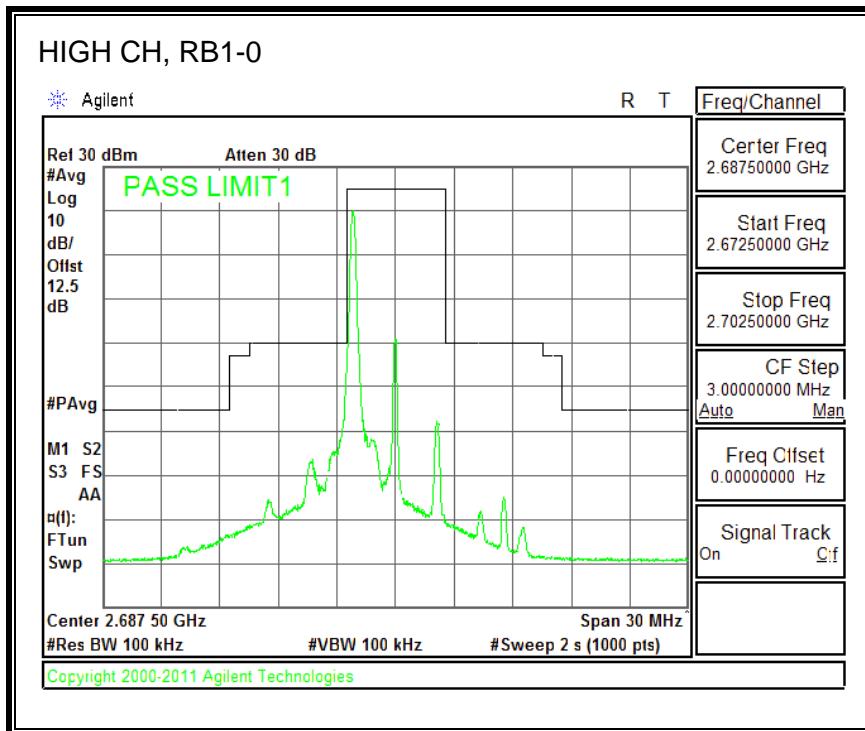
16QAM, (5.0 MHz BAND WIDTH)

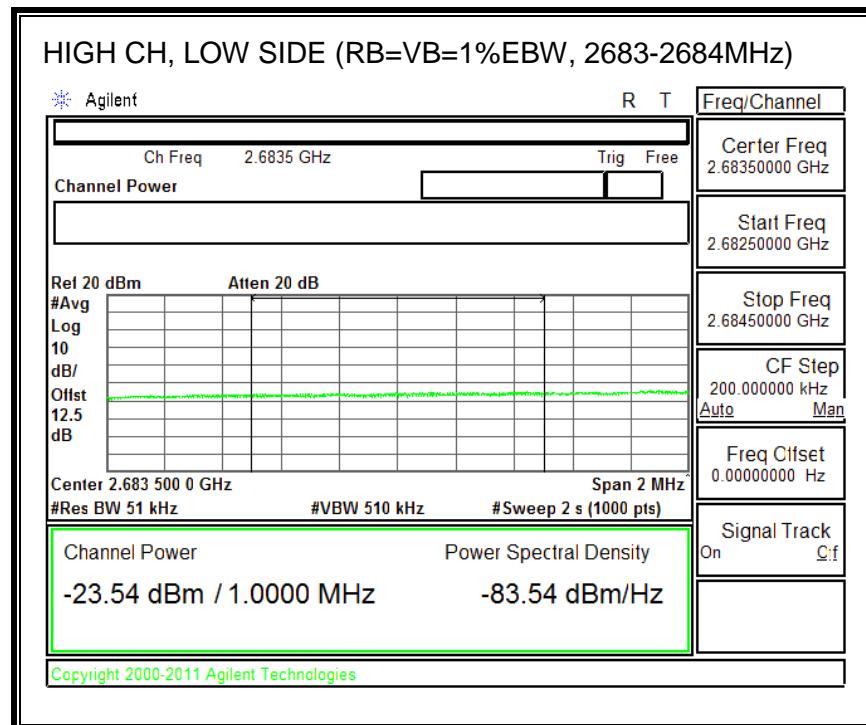
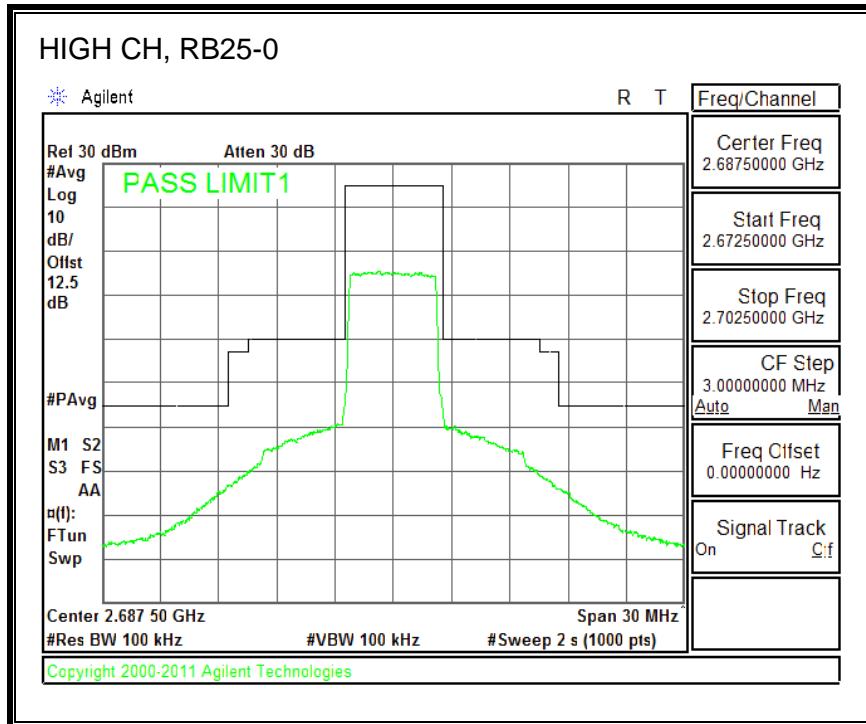


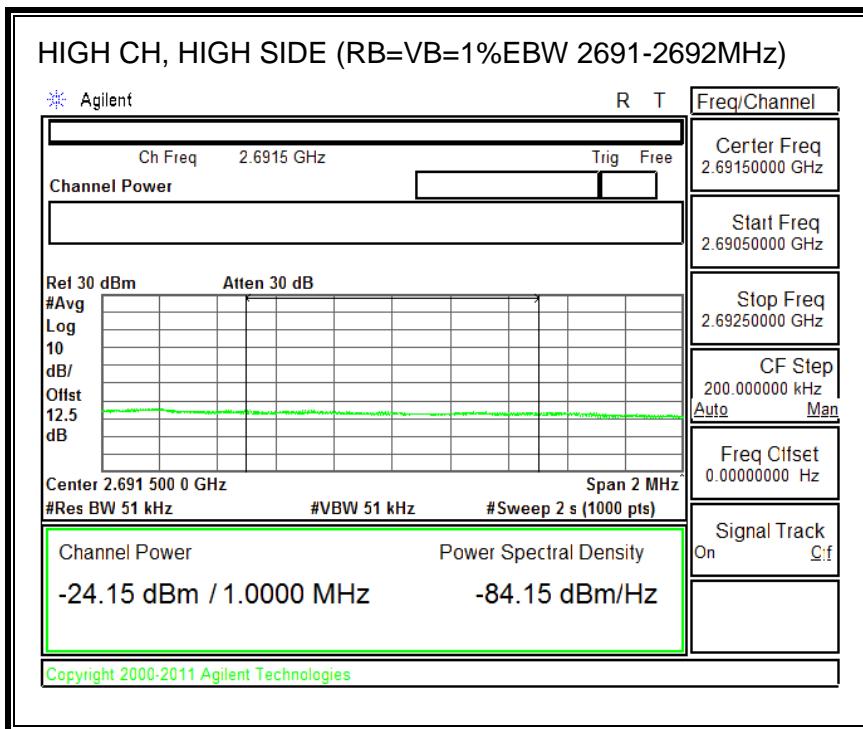
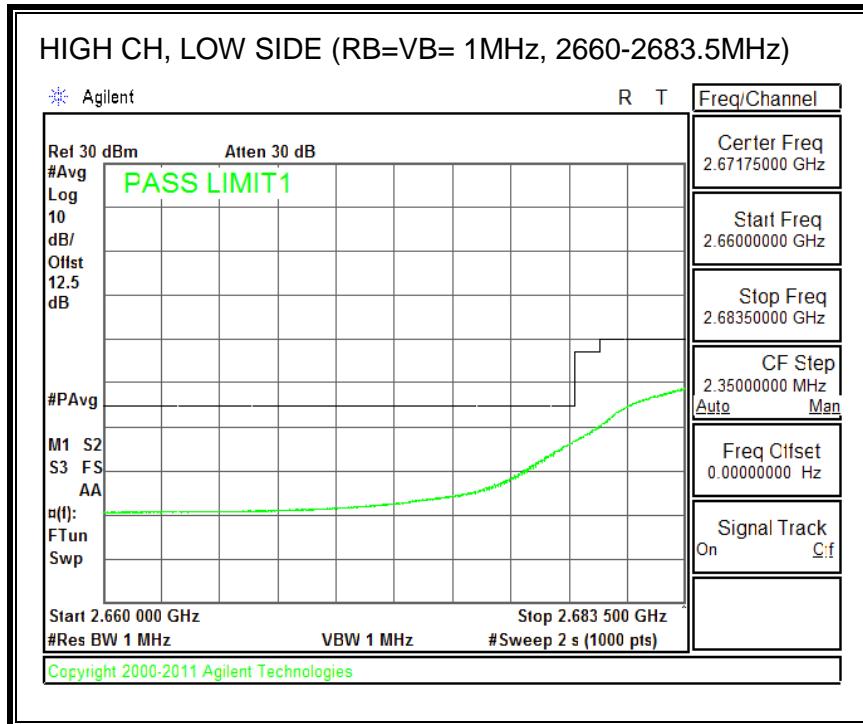


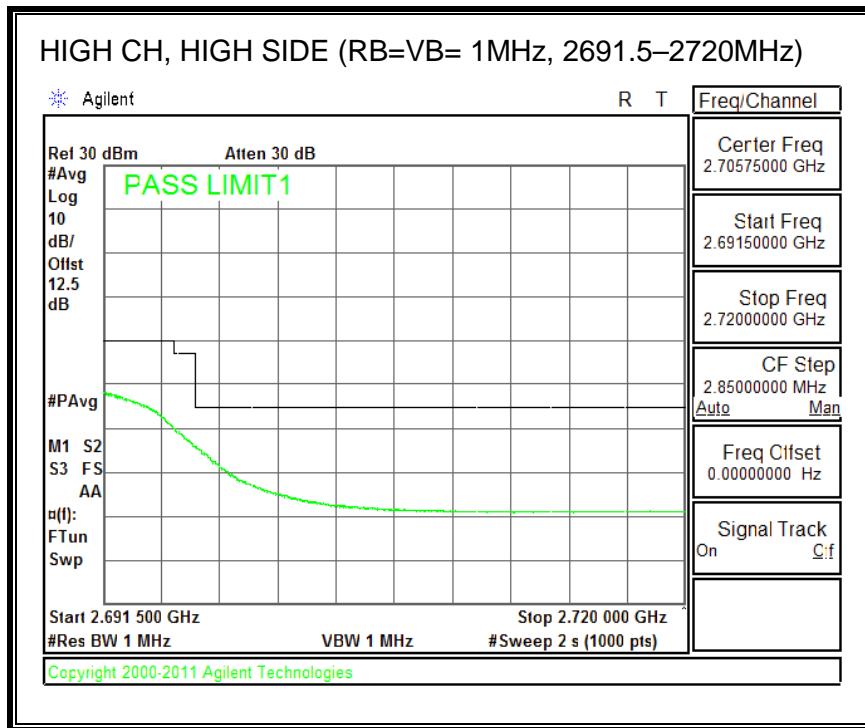




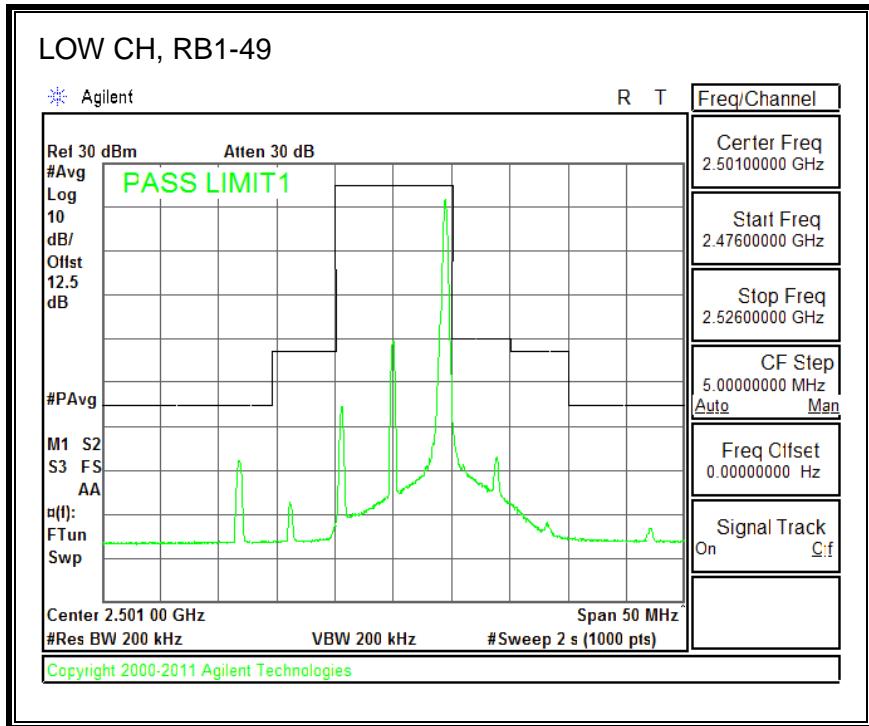
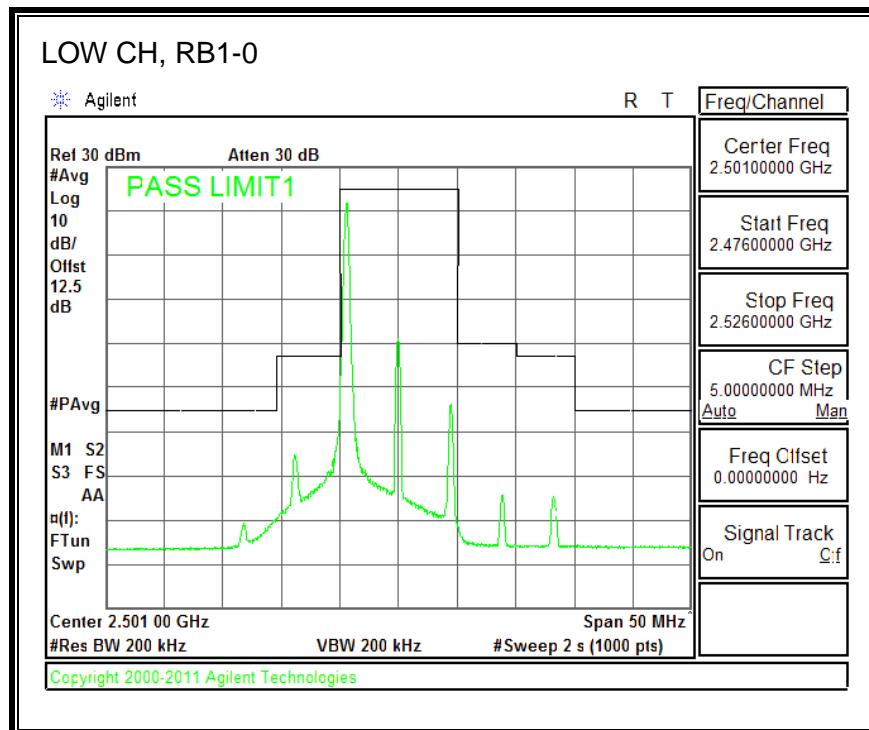


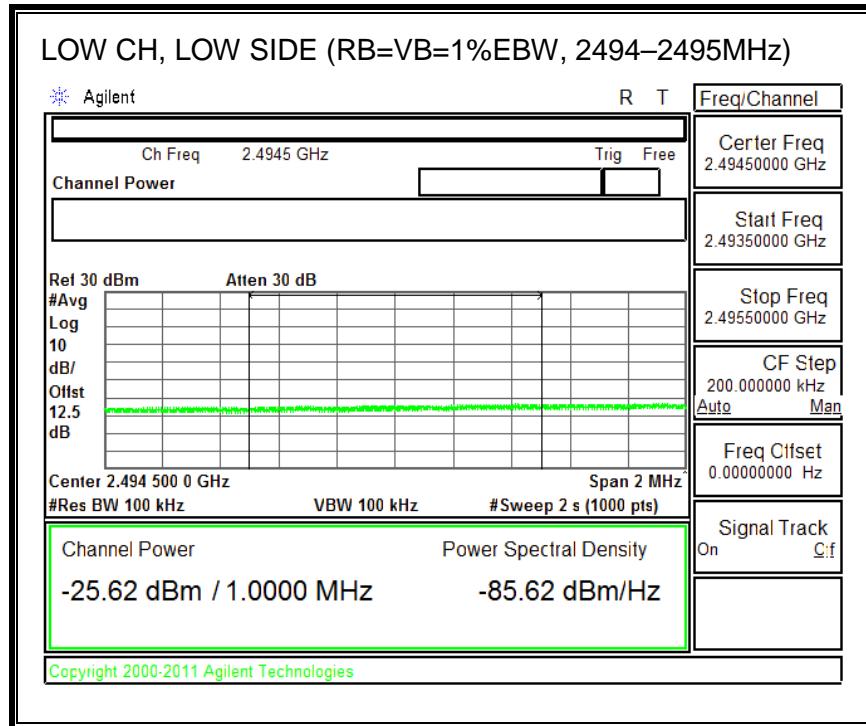
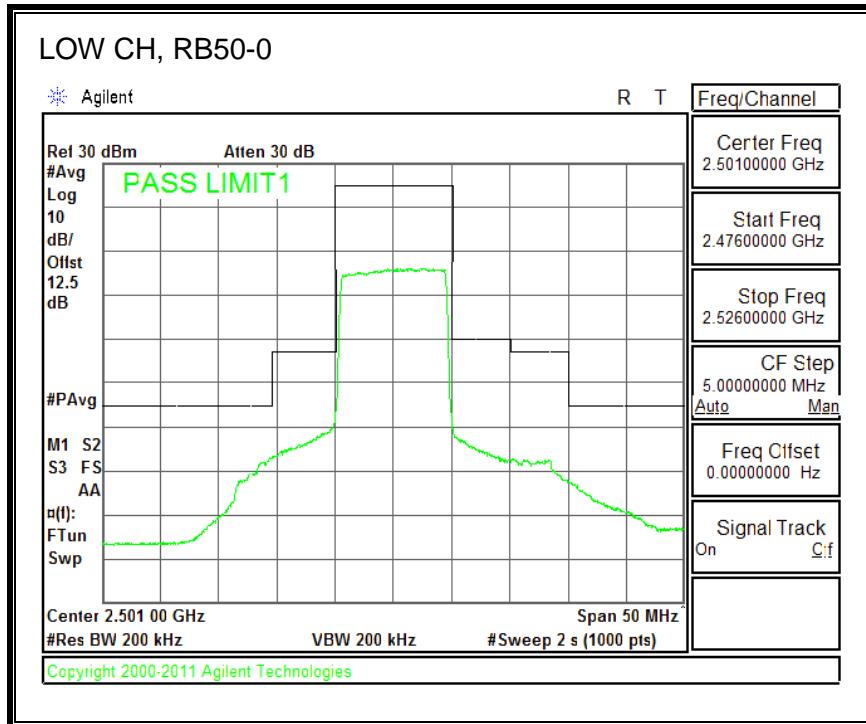


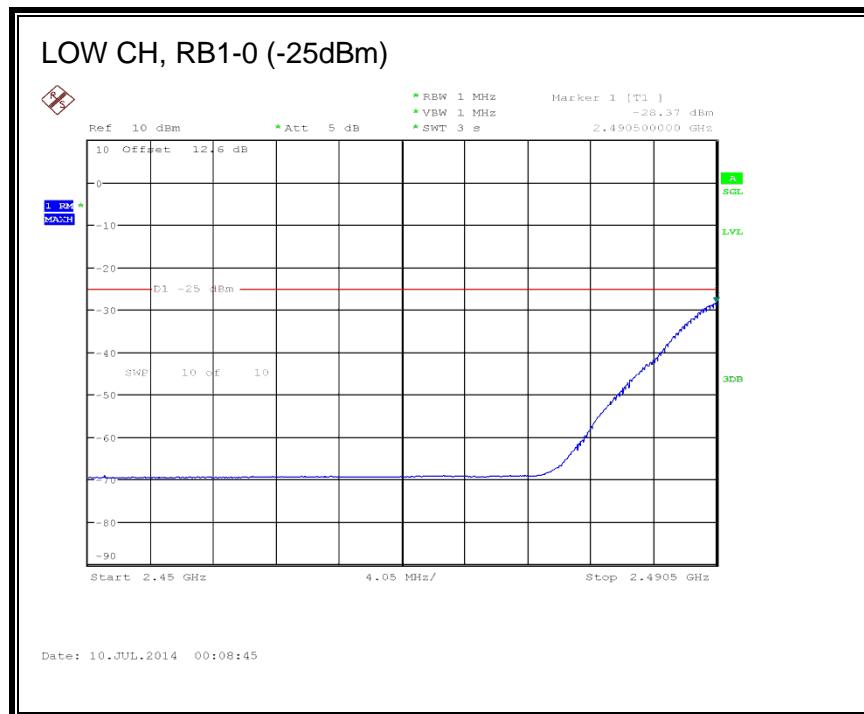
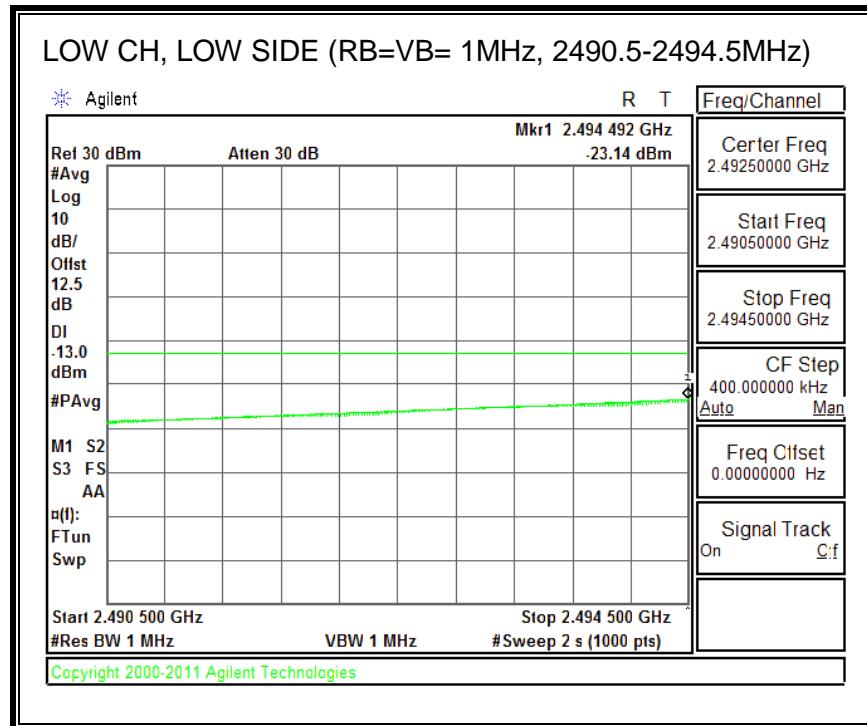


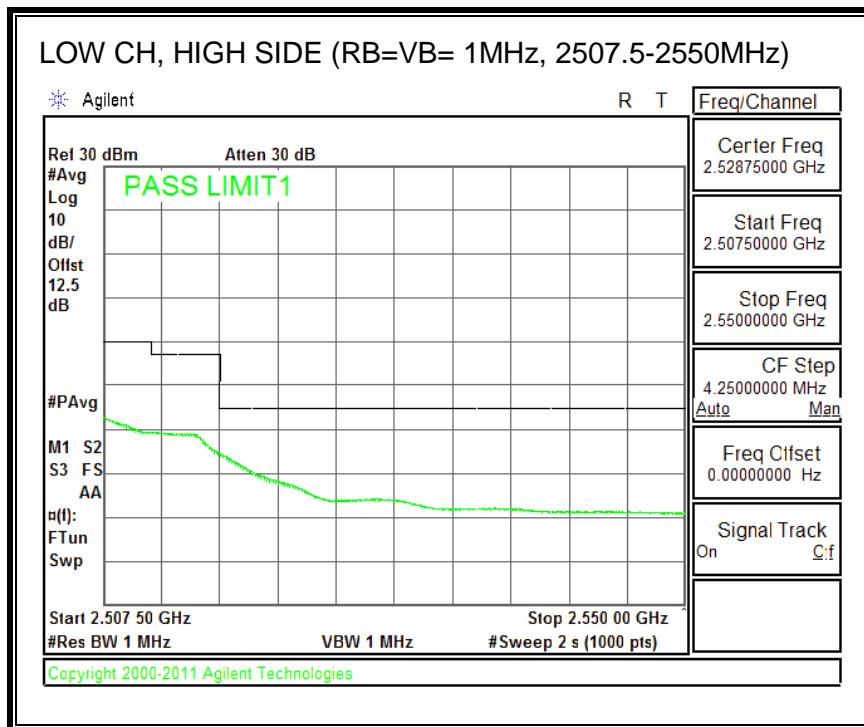
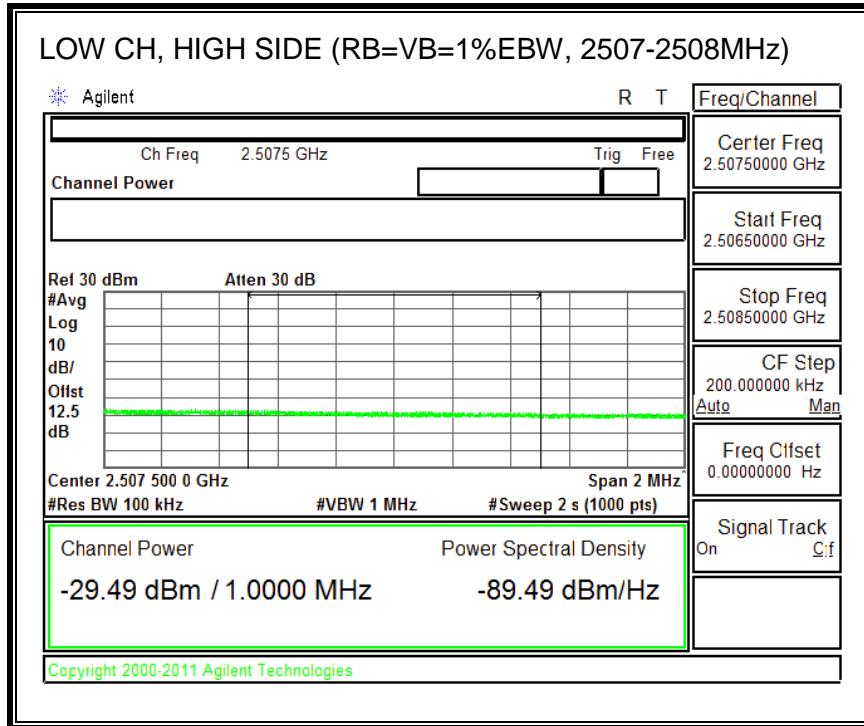


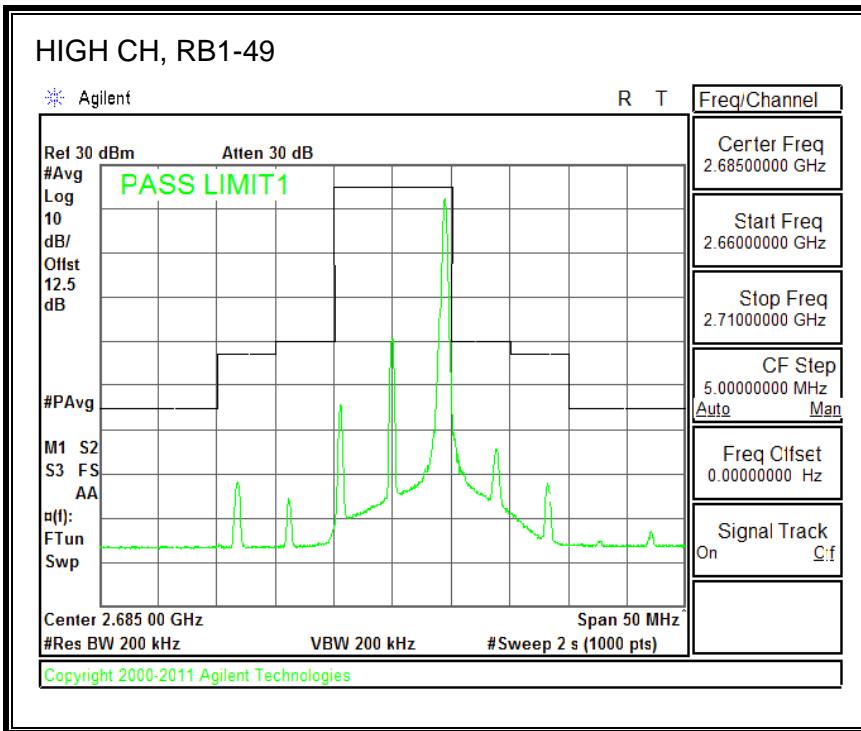
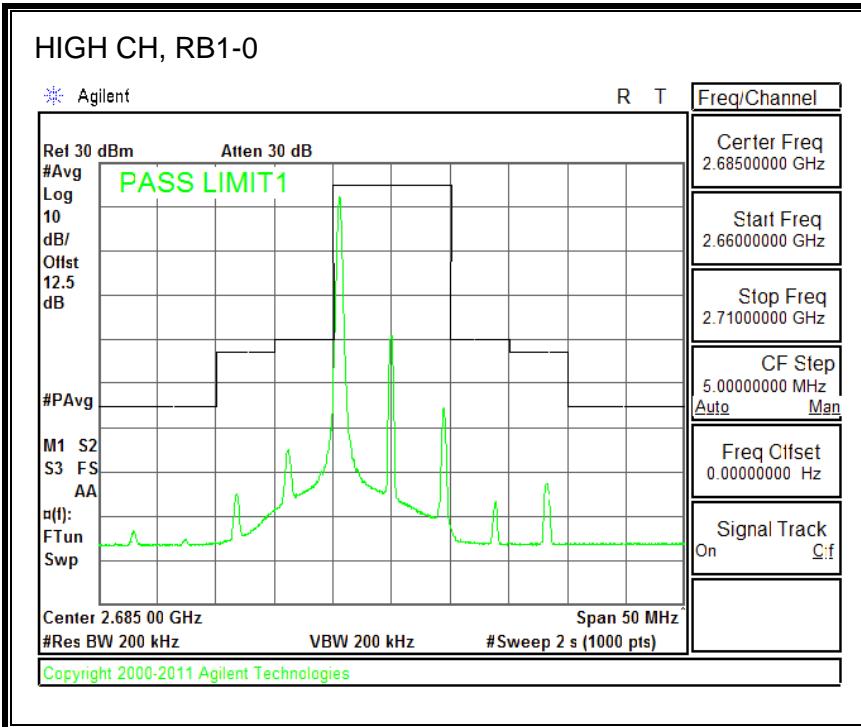
QPSK, (10.0 MHz BAND WIDTH)

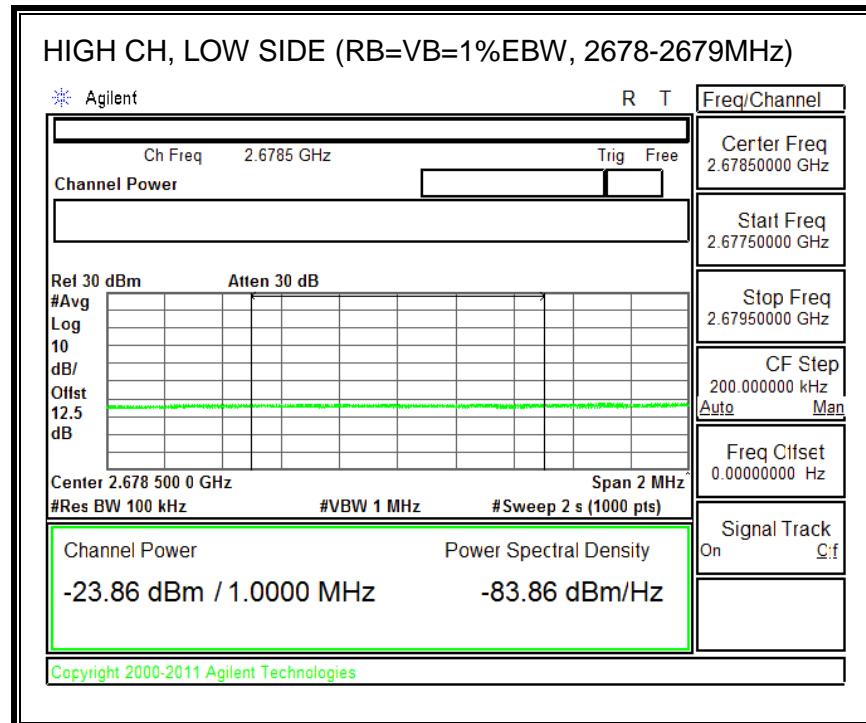
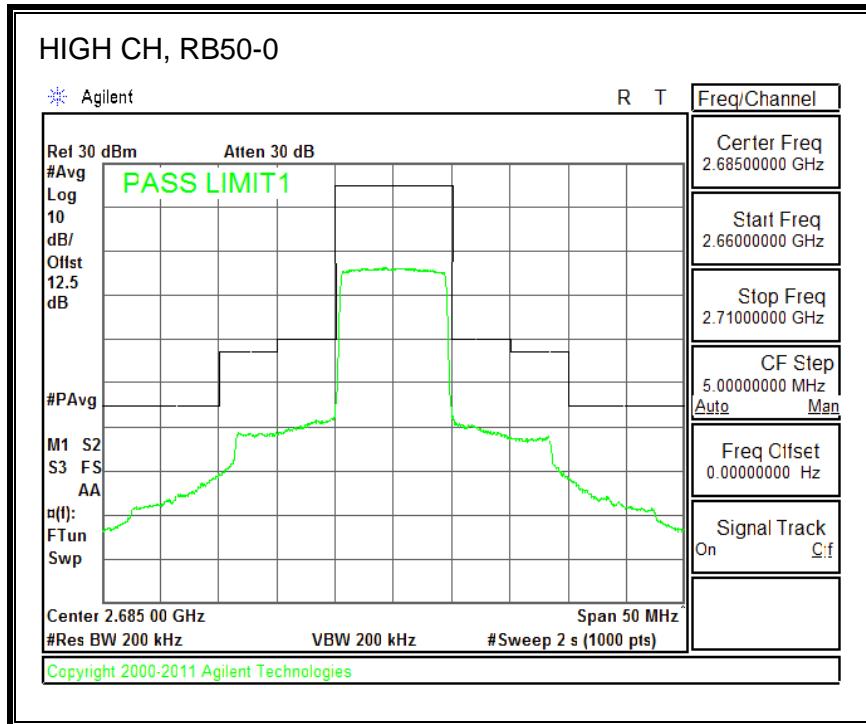


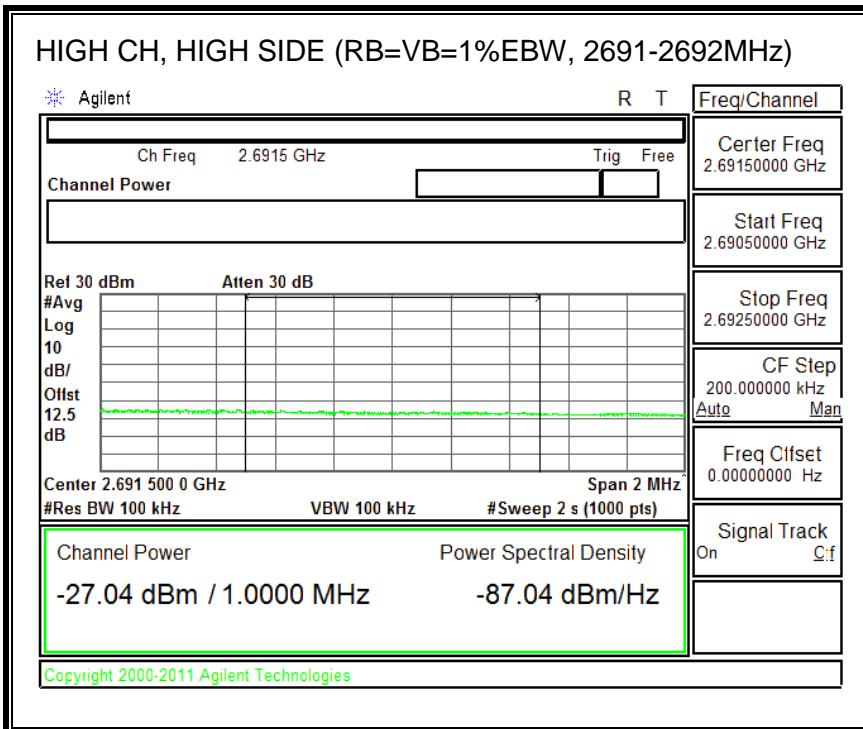
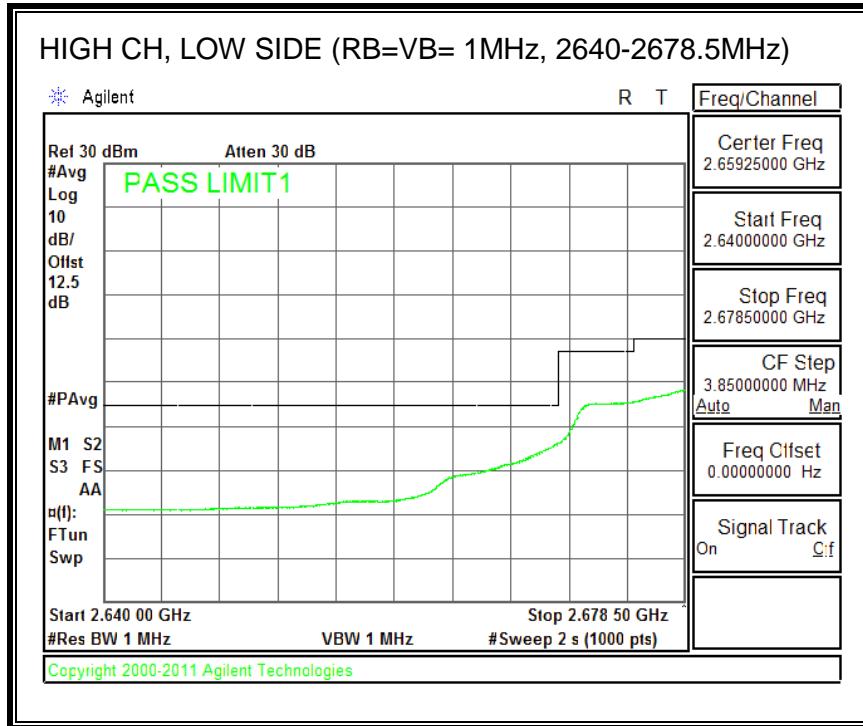


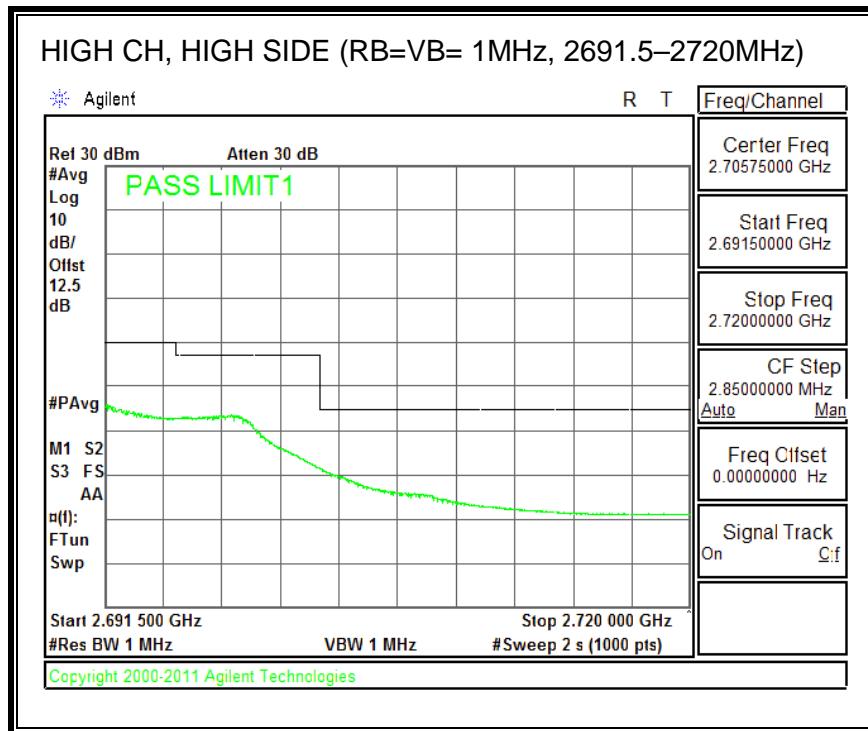




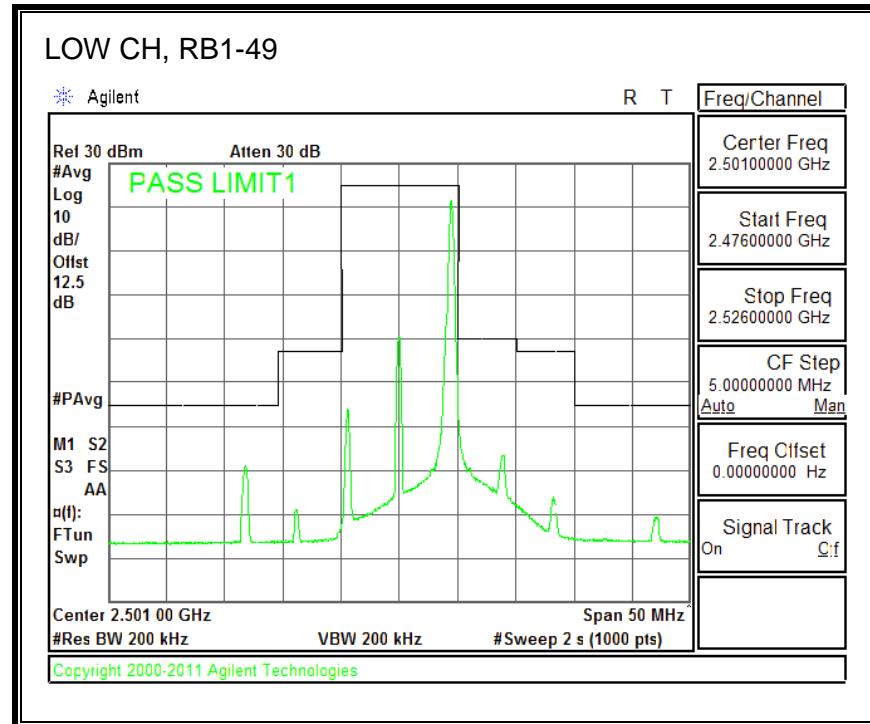
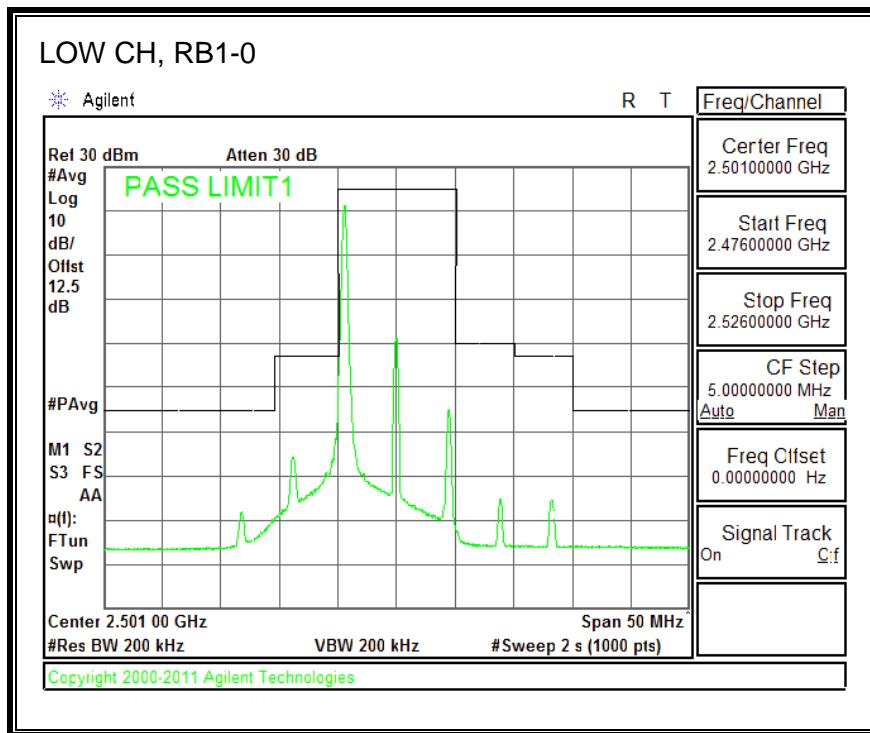


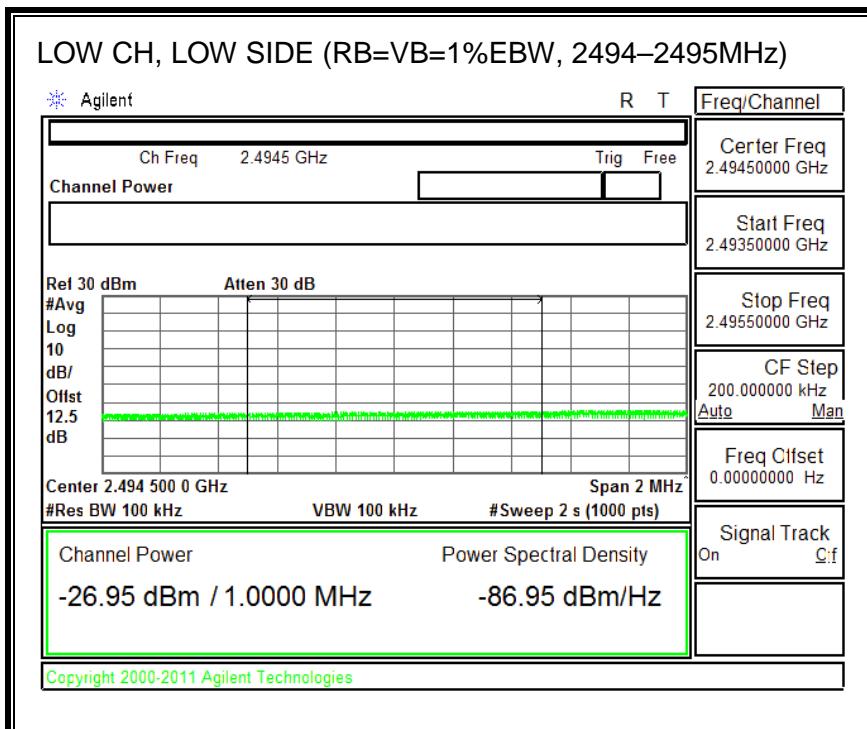
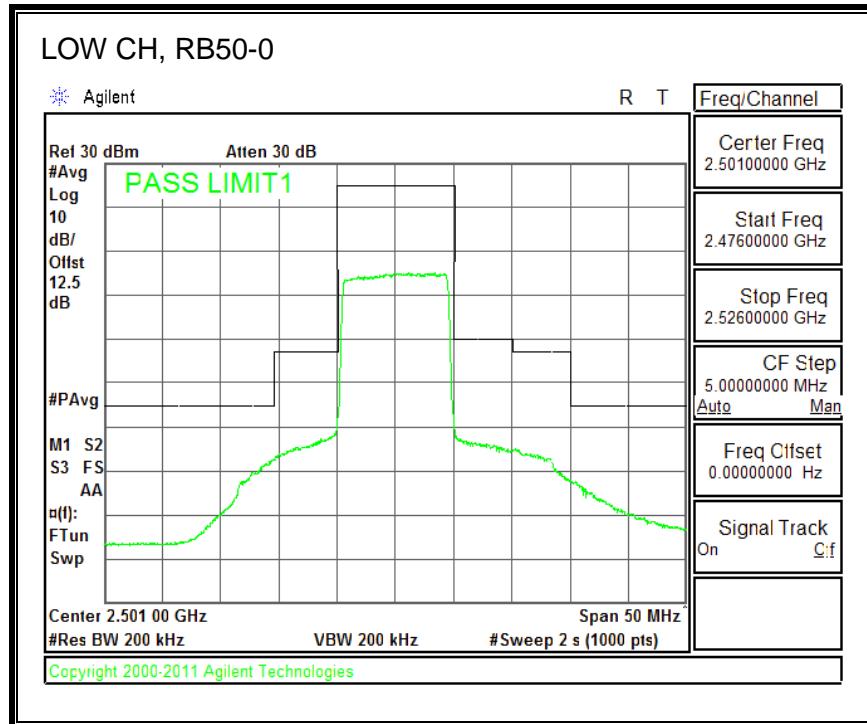


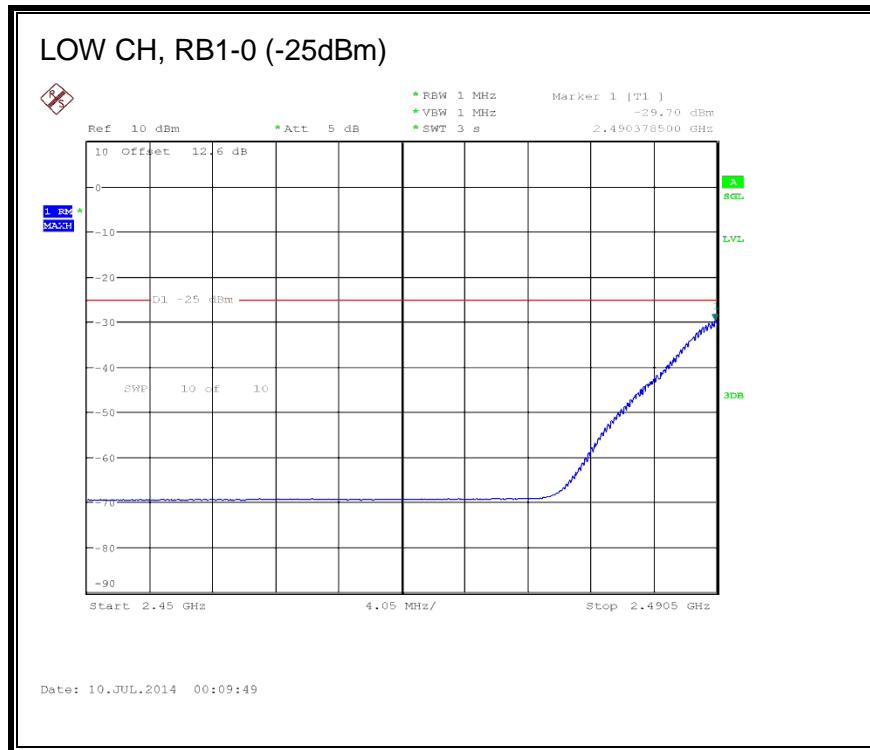
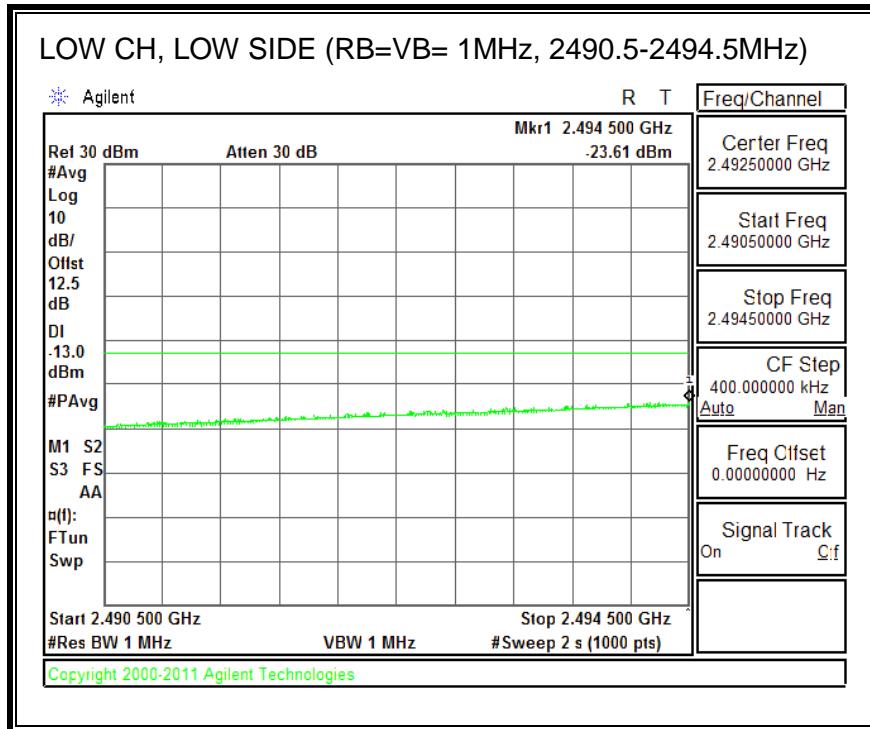


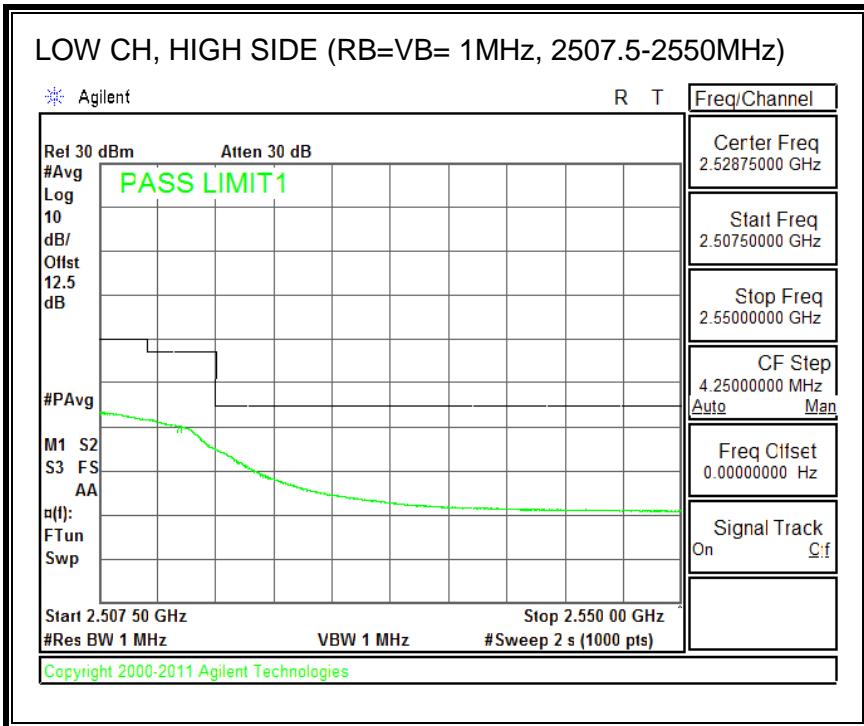
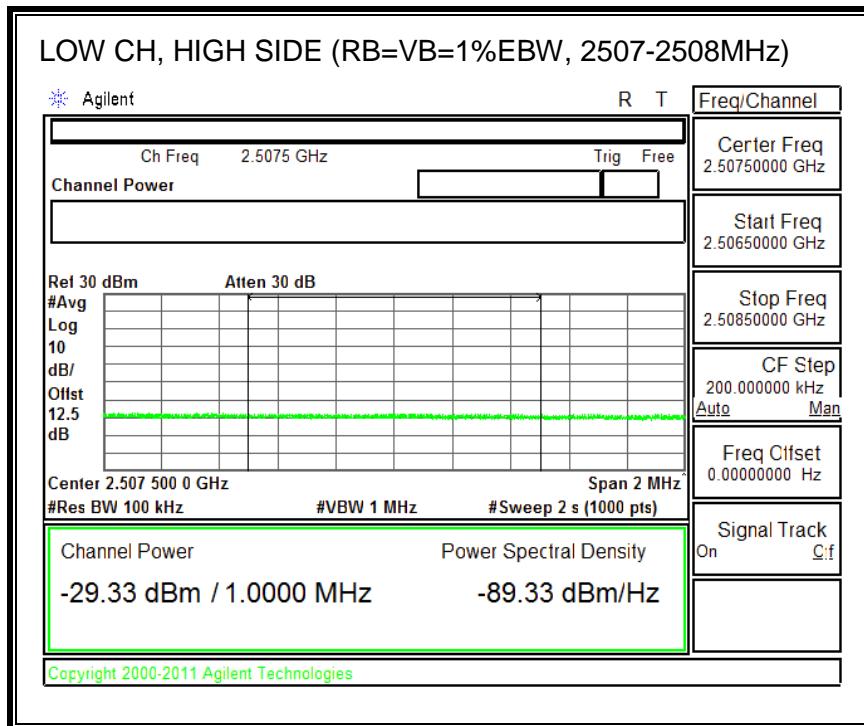


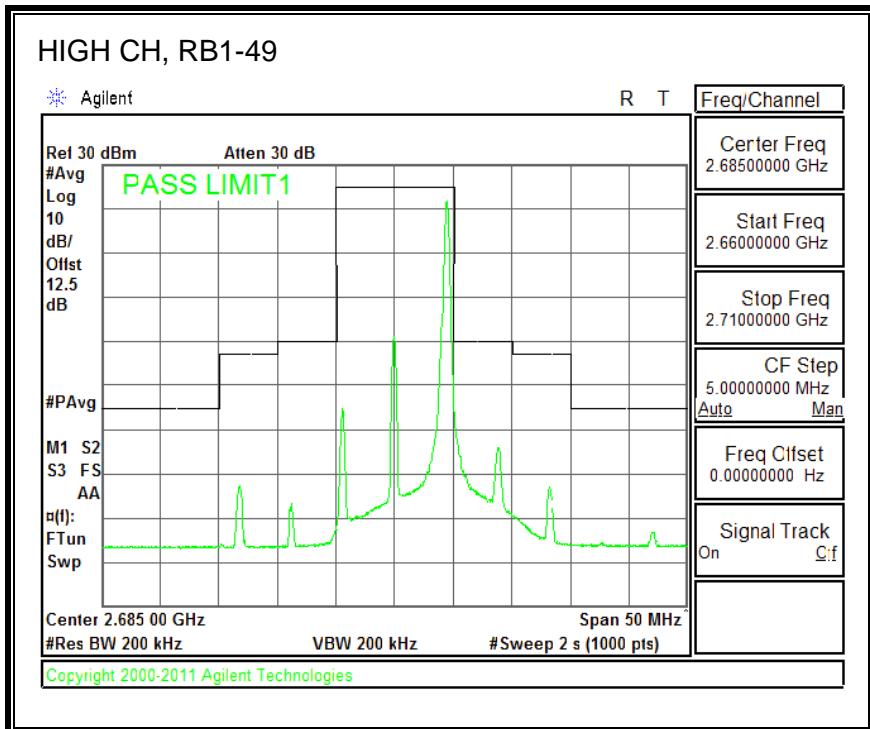
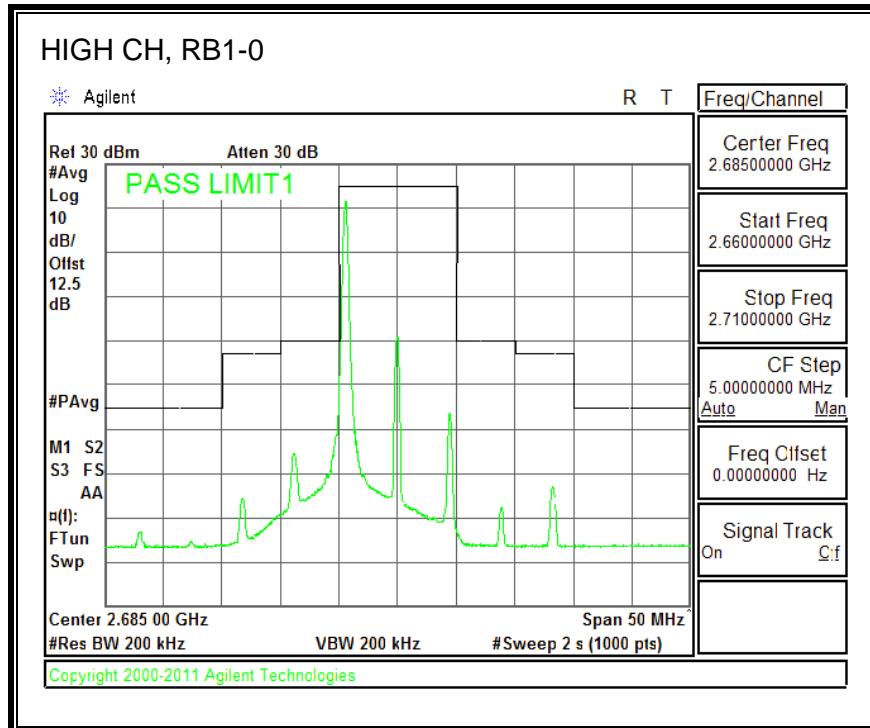
16QAM, (10.0 MHz BAND WIDTH)

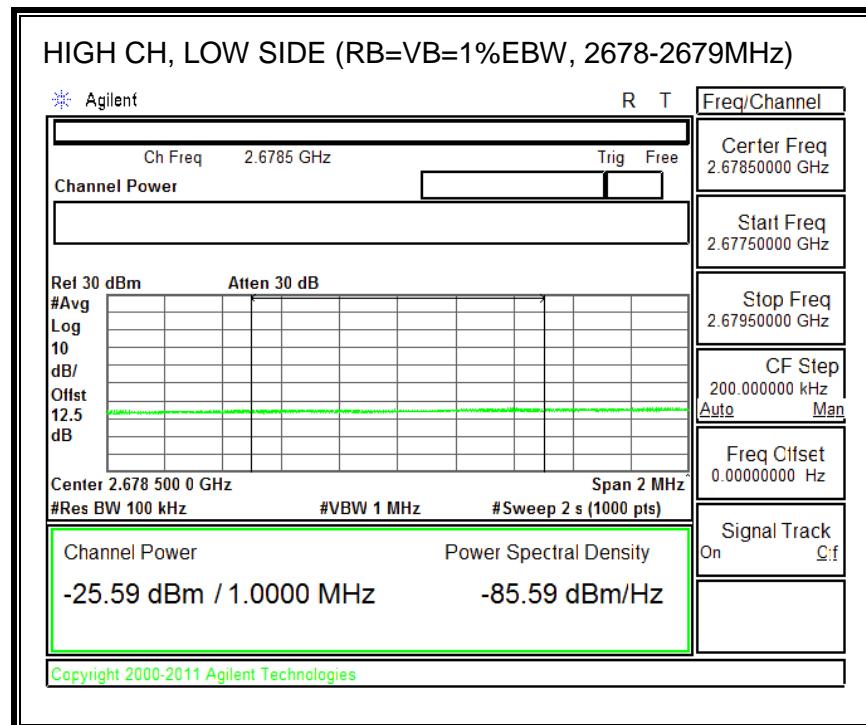
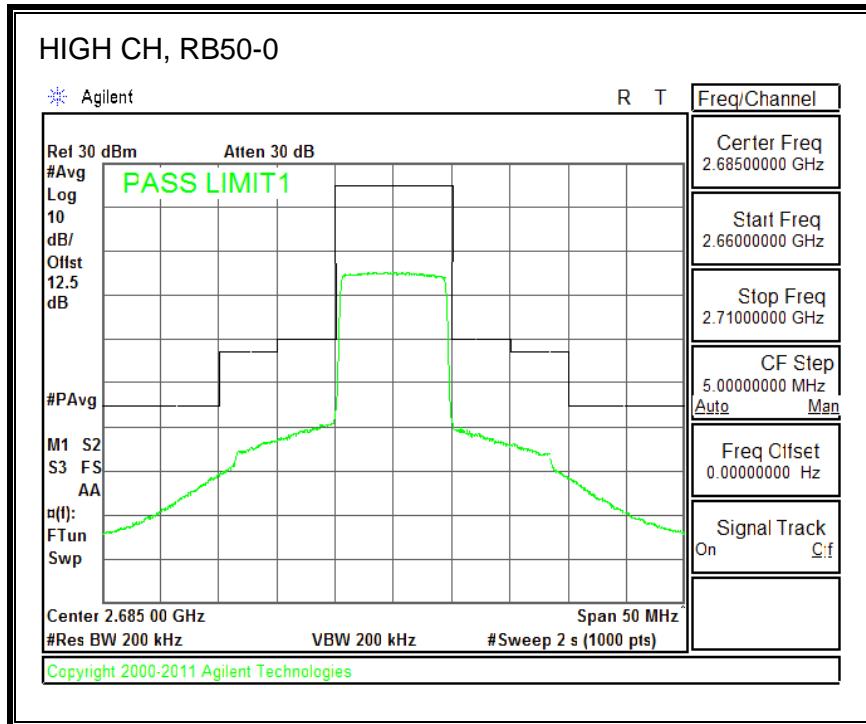


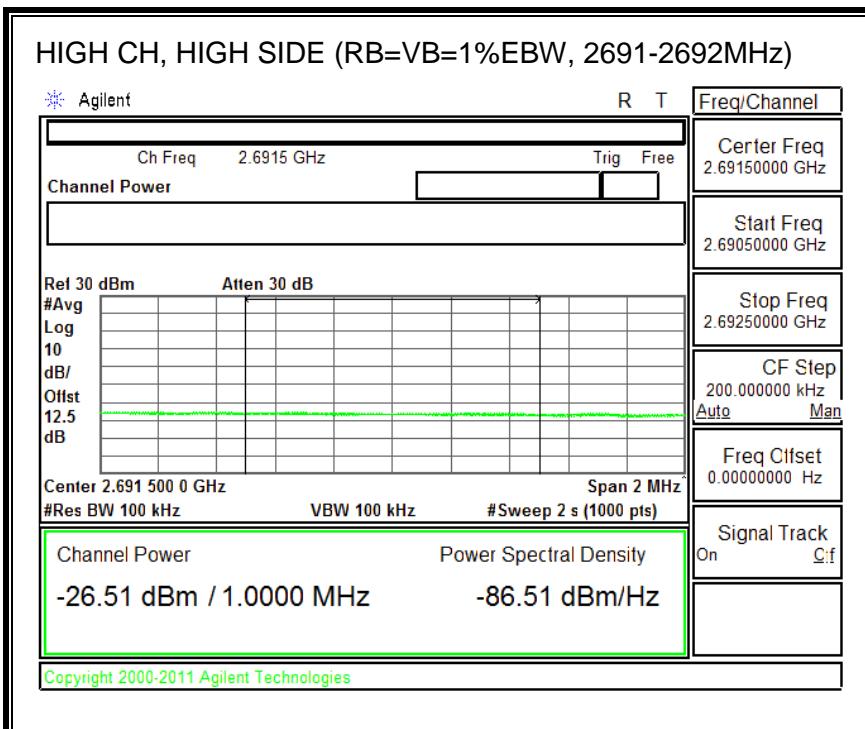
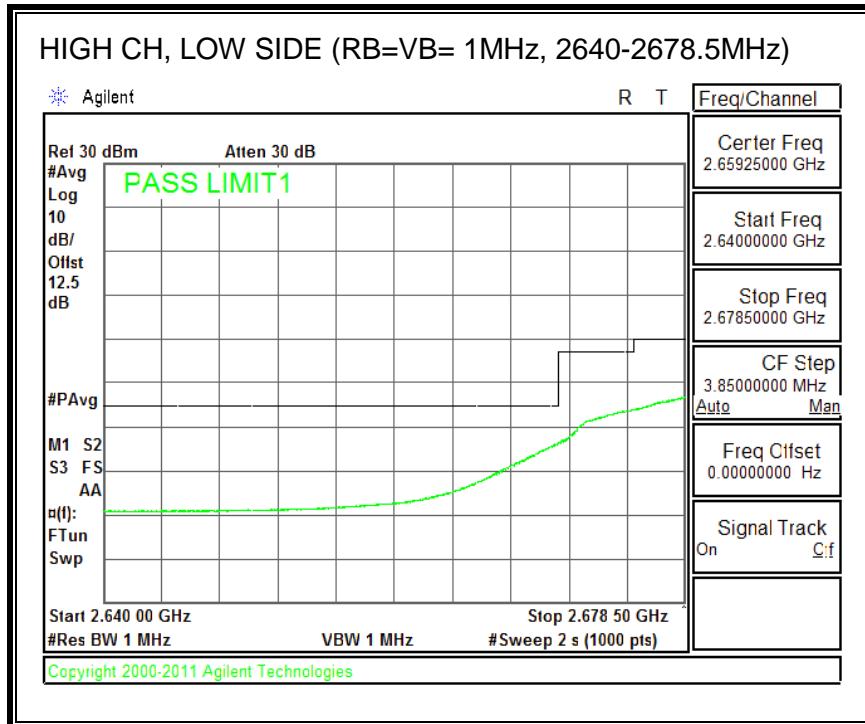


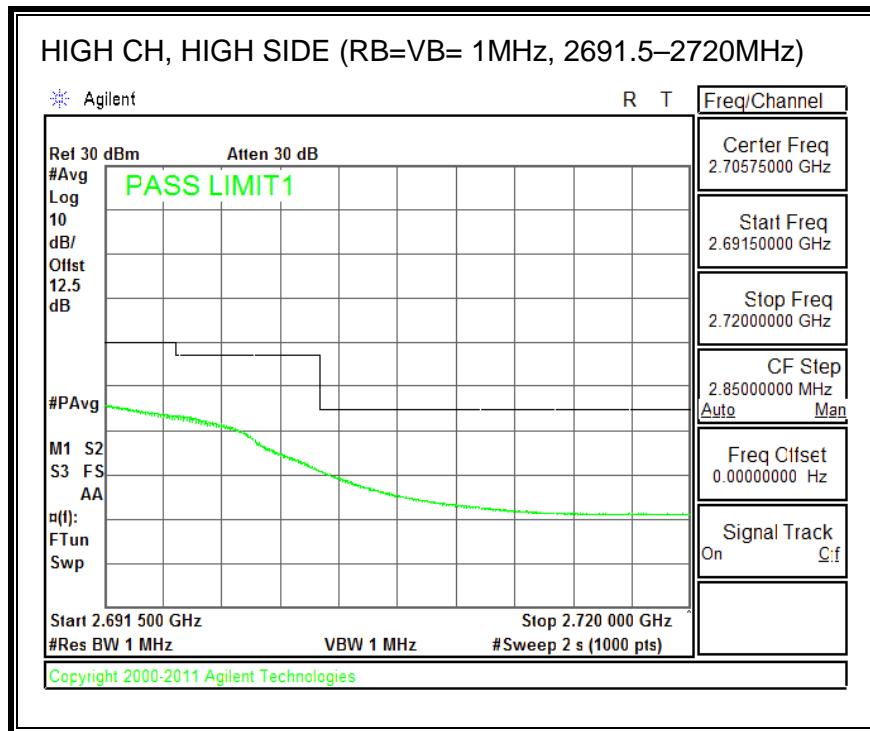




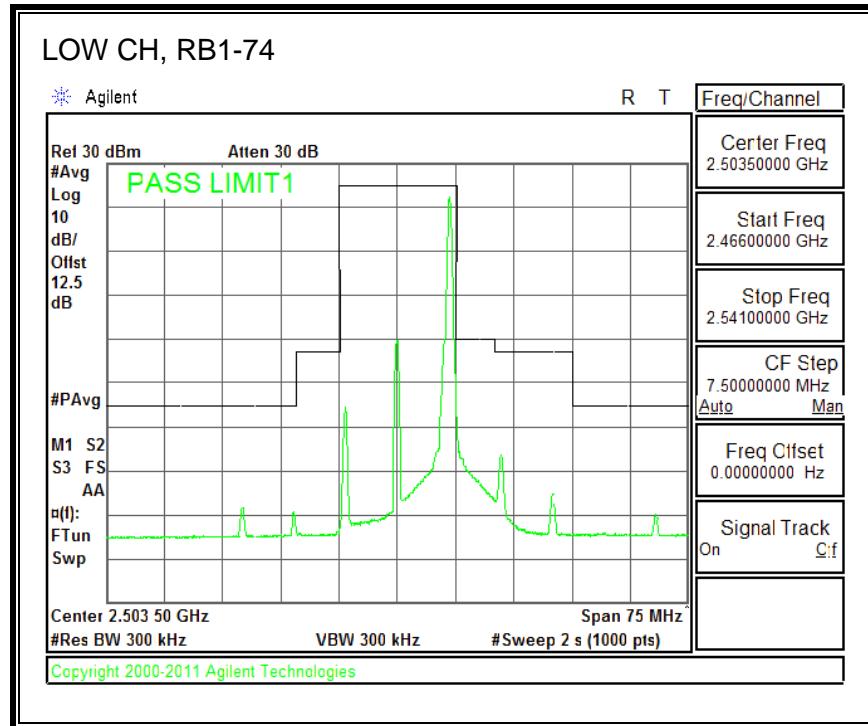
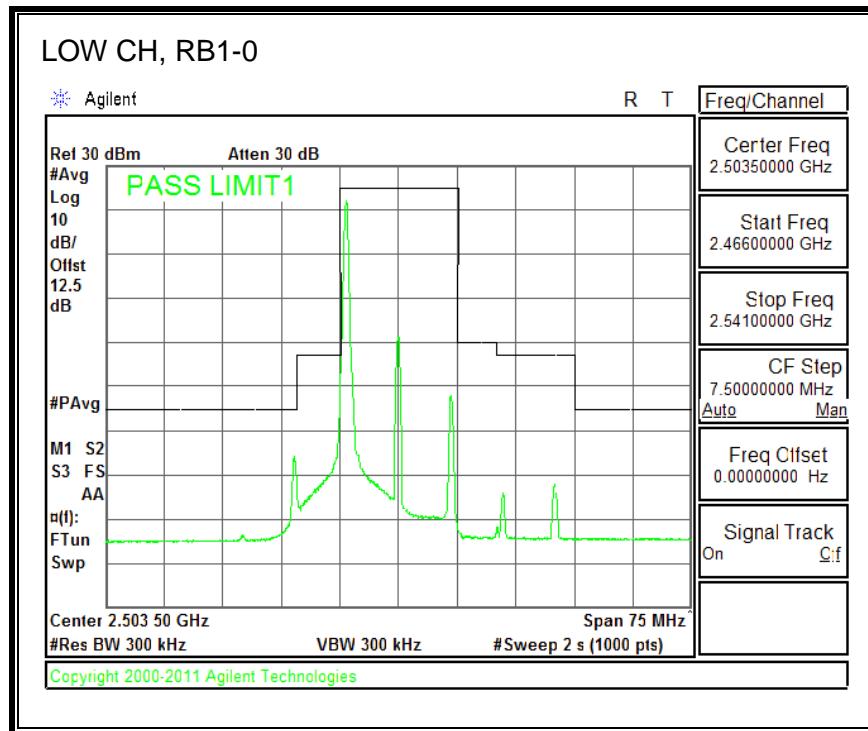


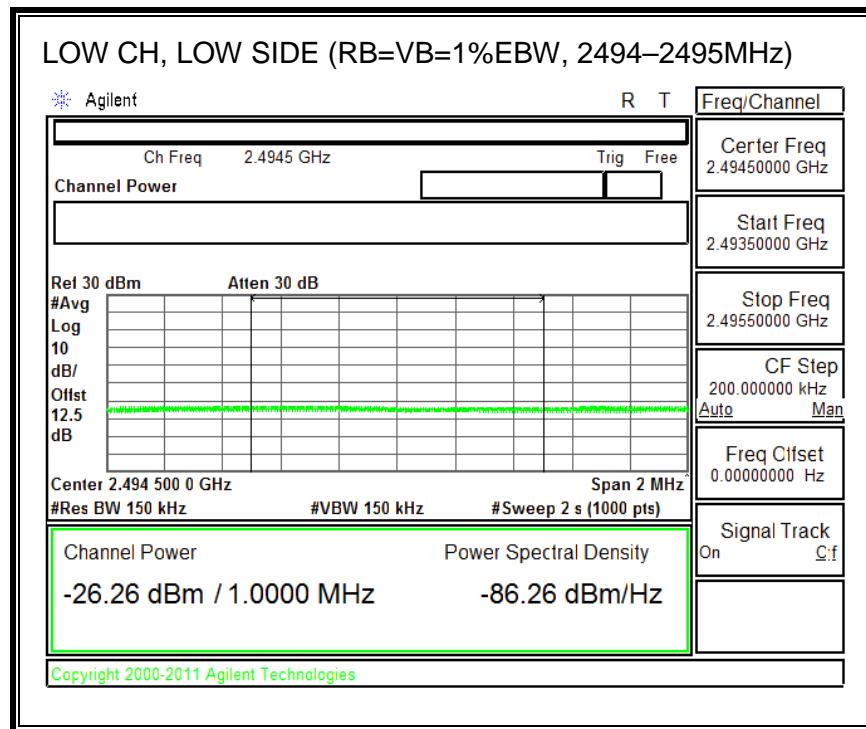
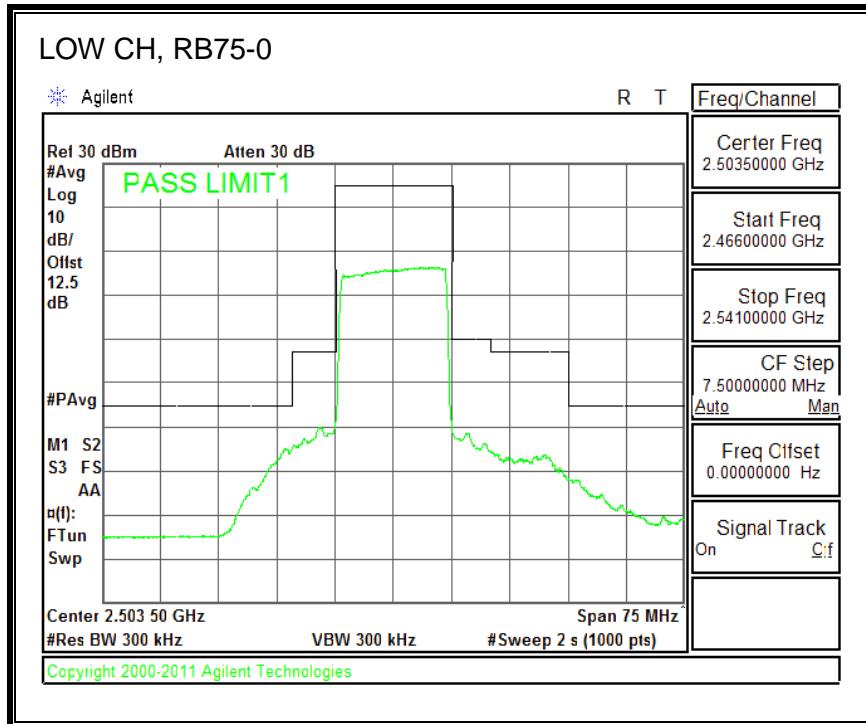


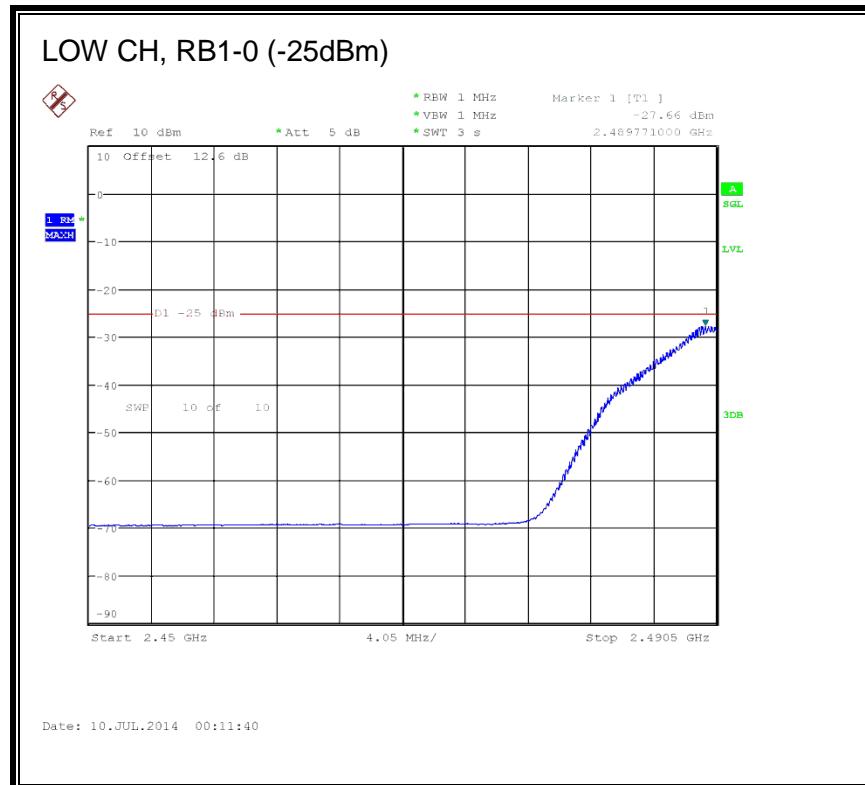
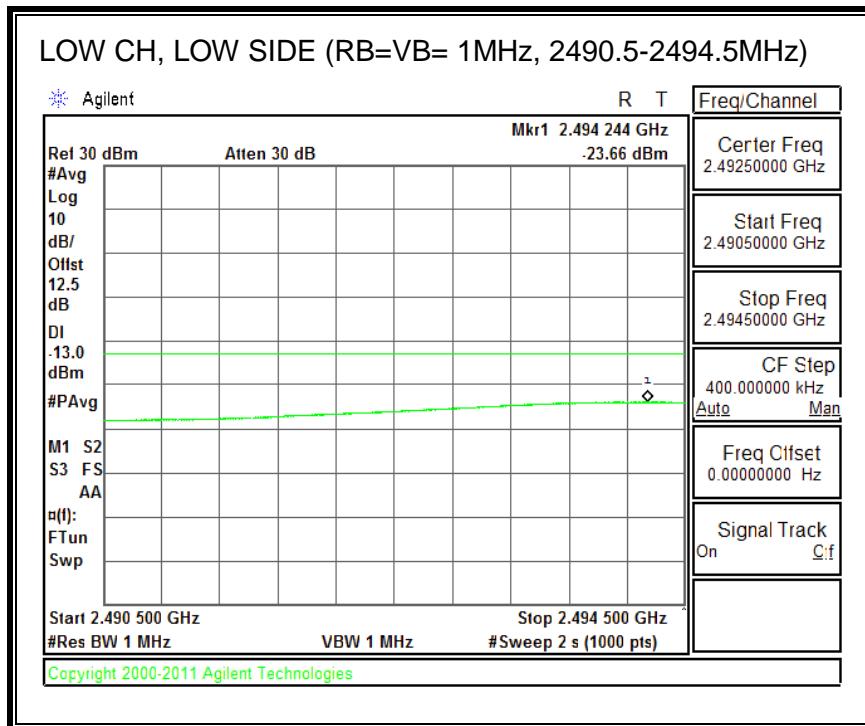


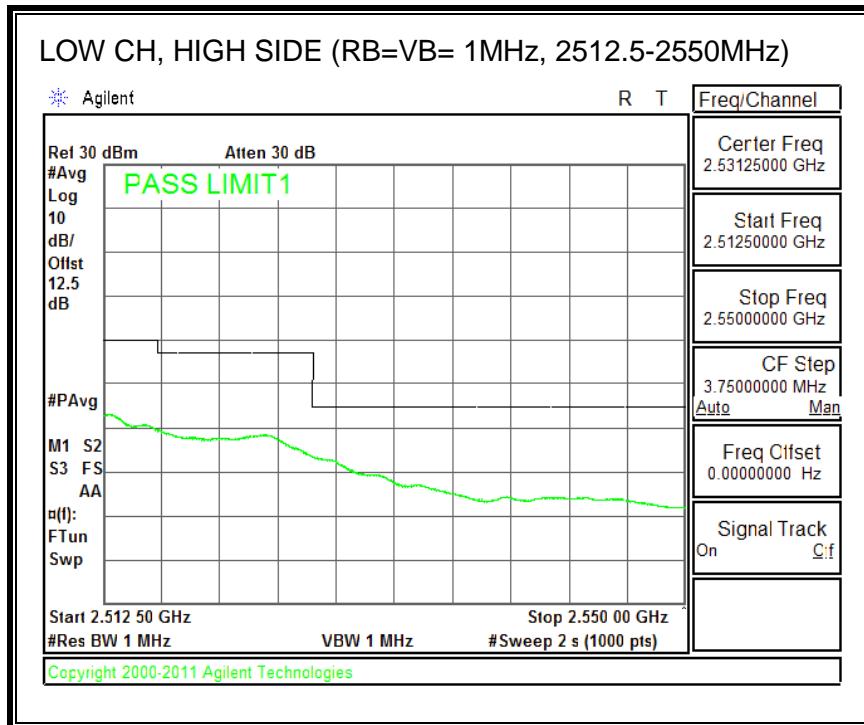
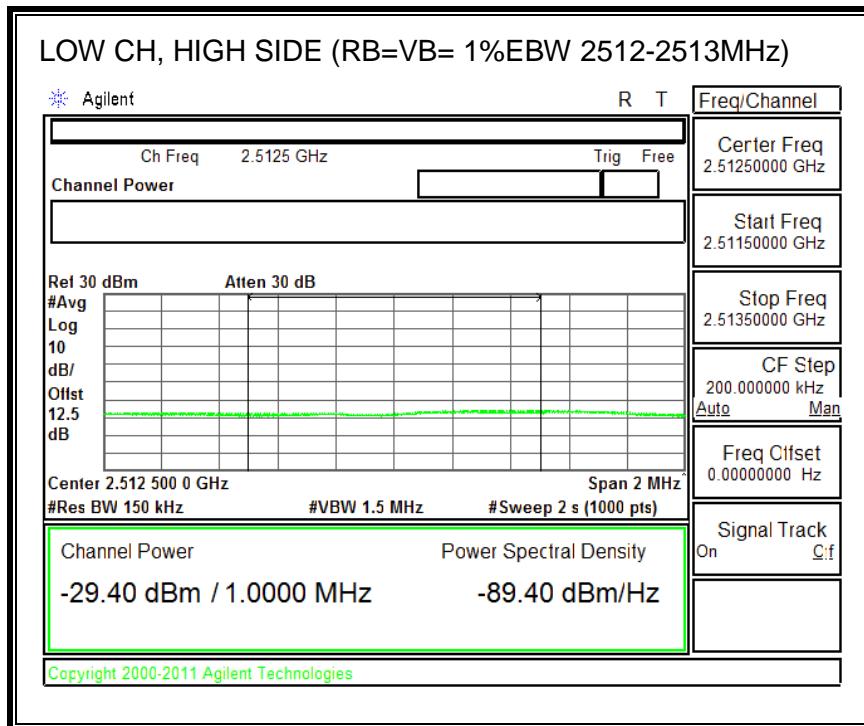


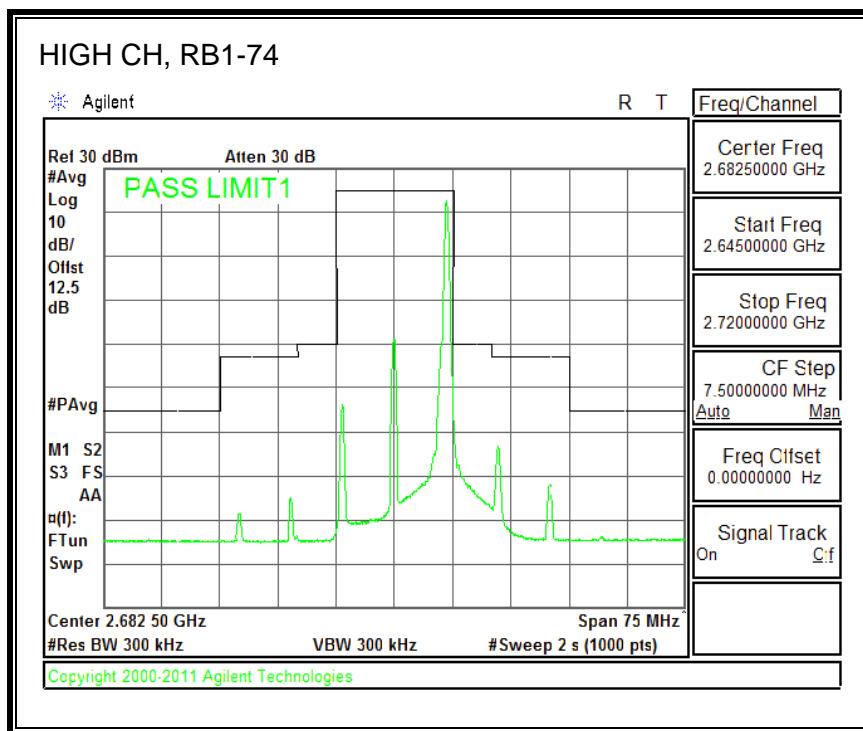
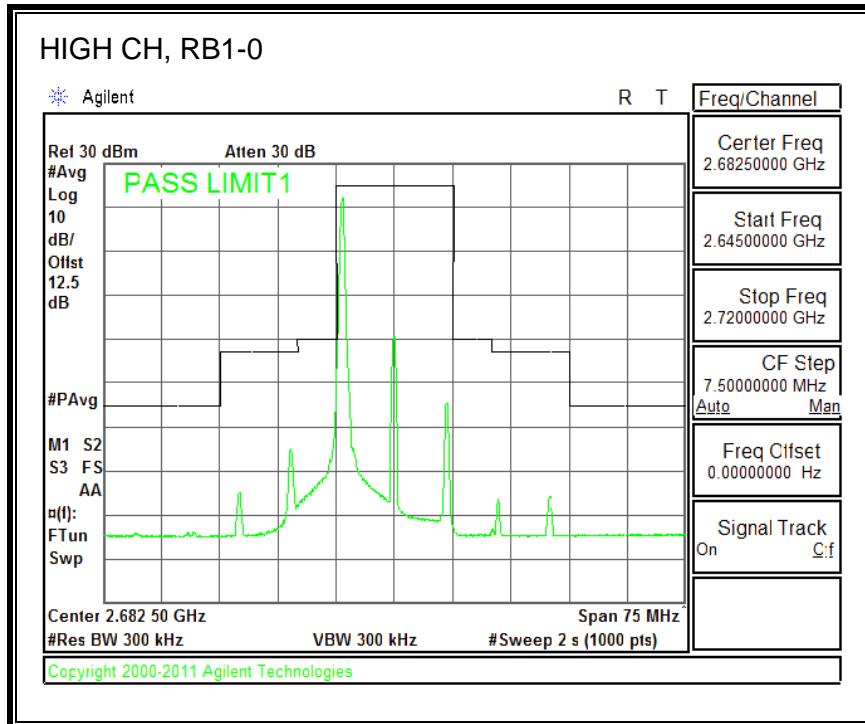
QPSK, (15.0 MHz BAND WIDTH)

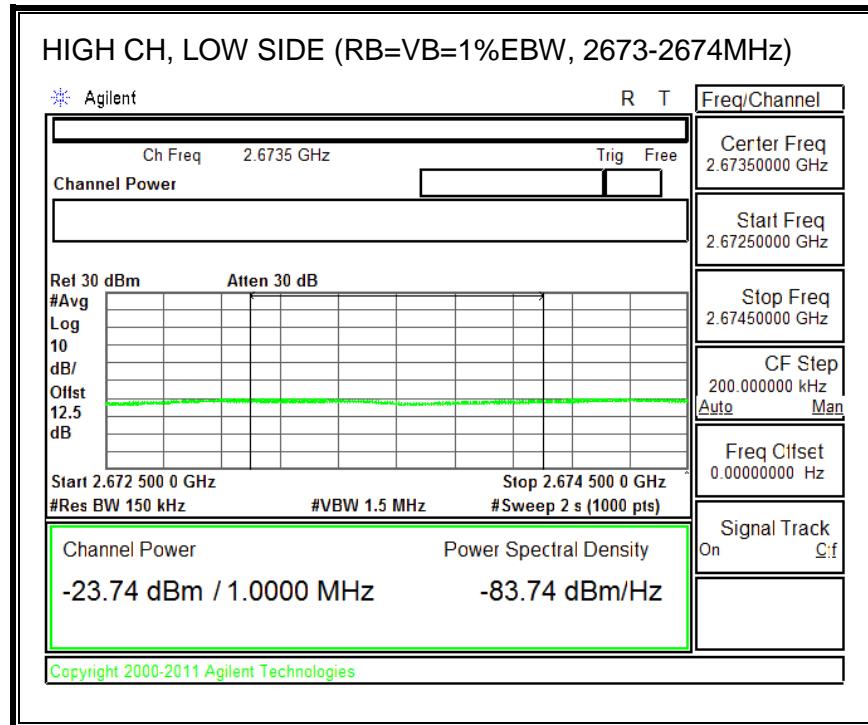
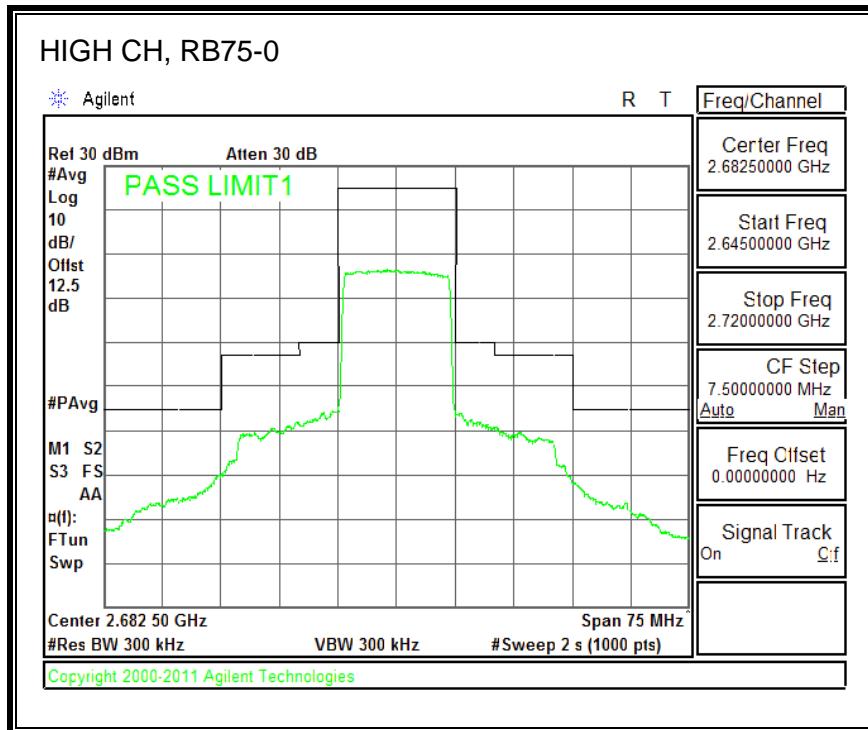


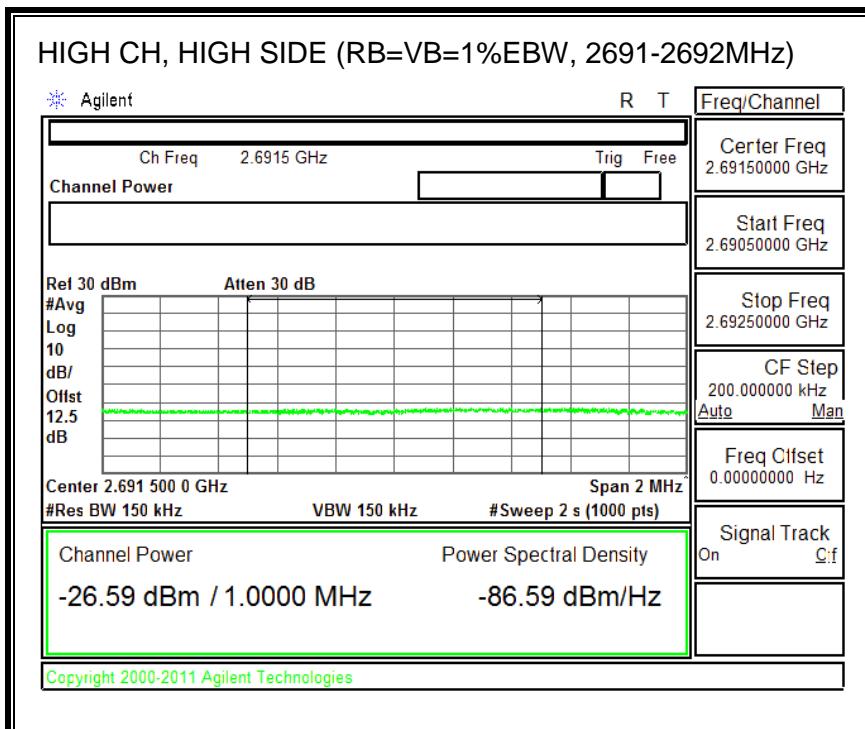
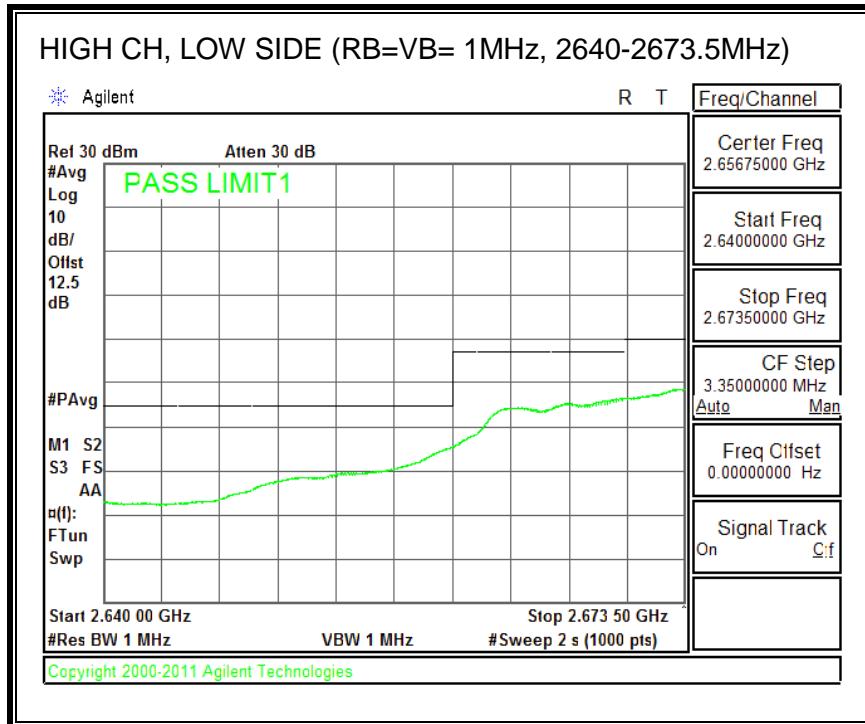


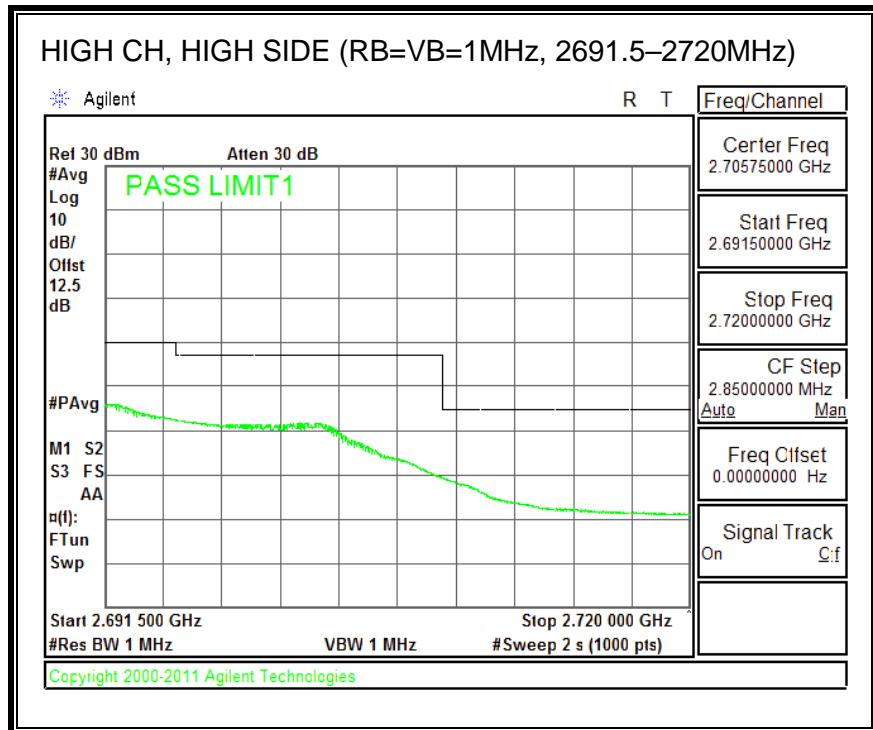




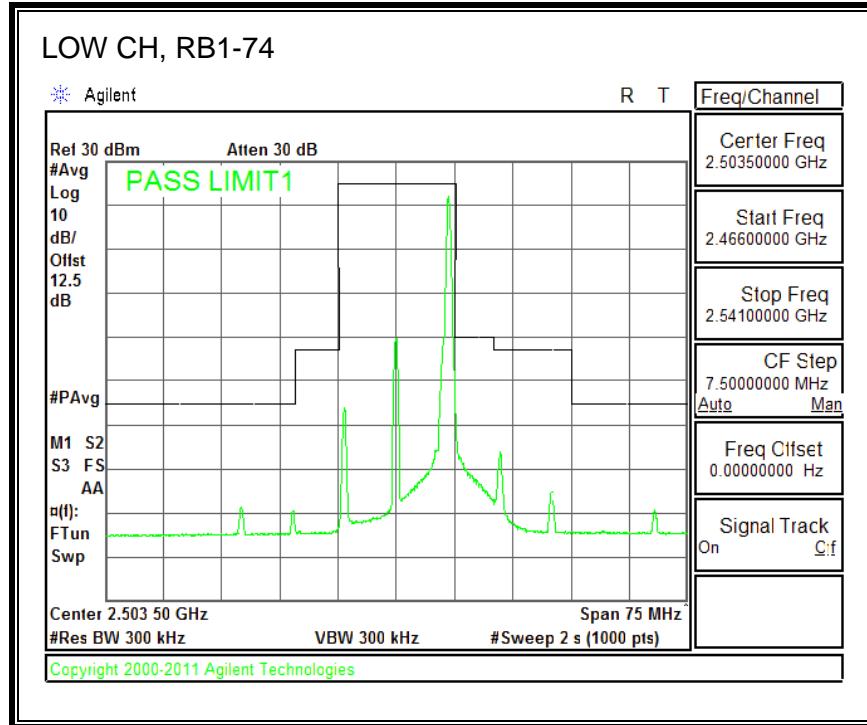
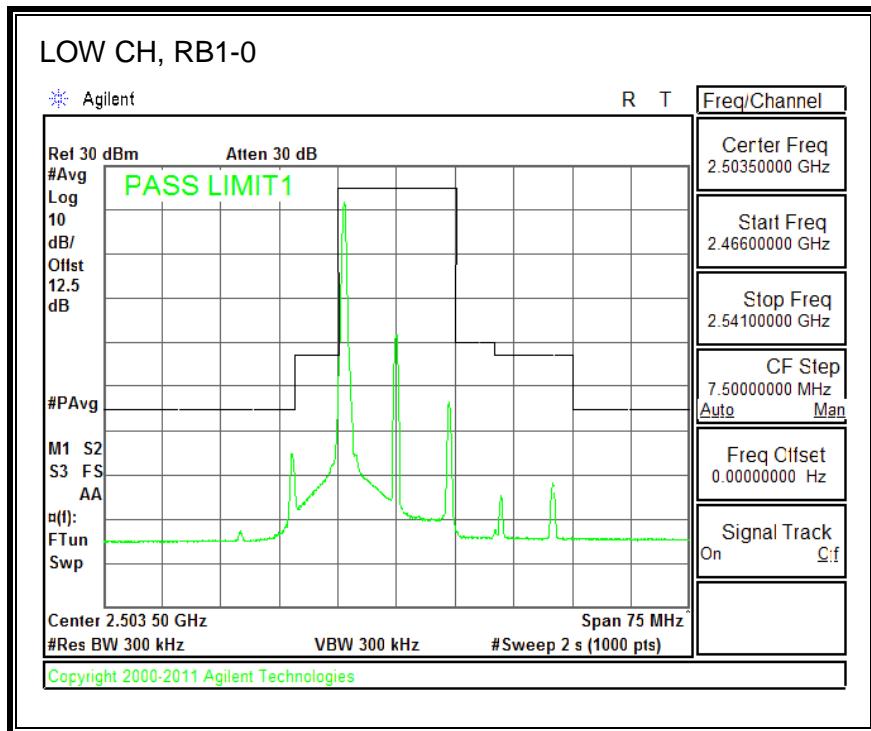


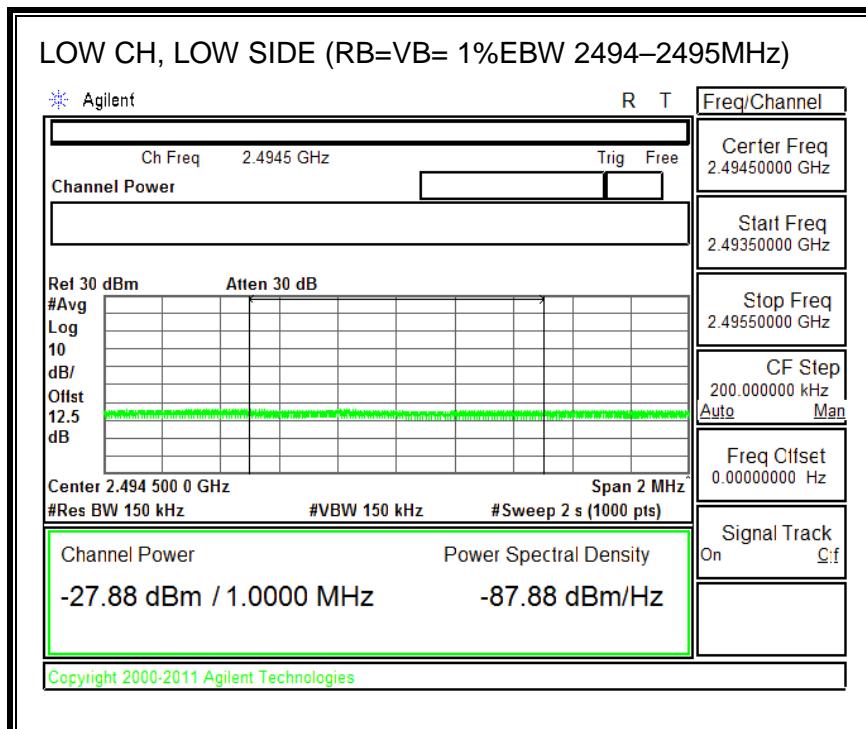
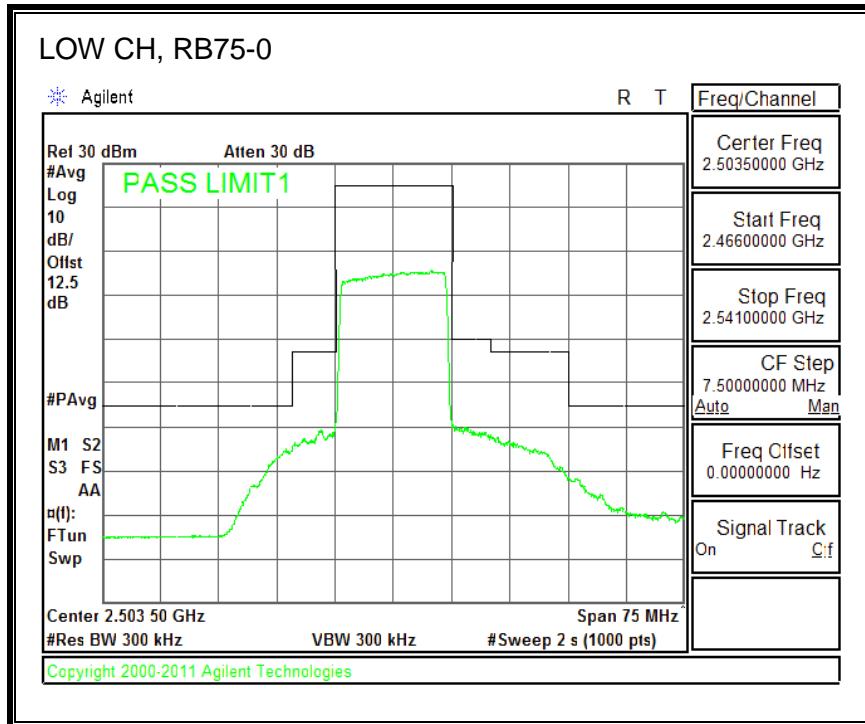


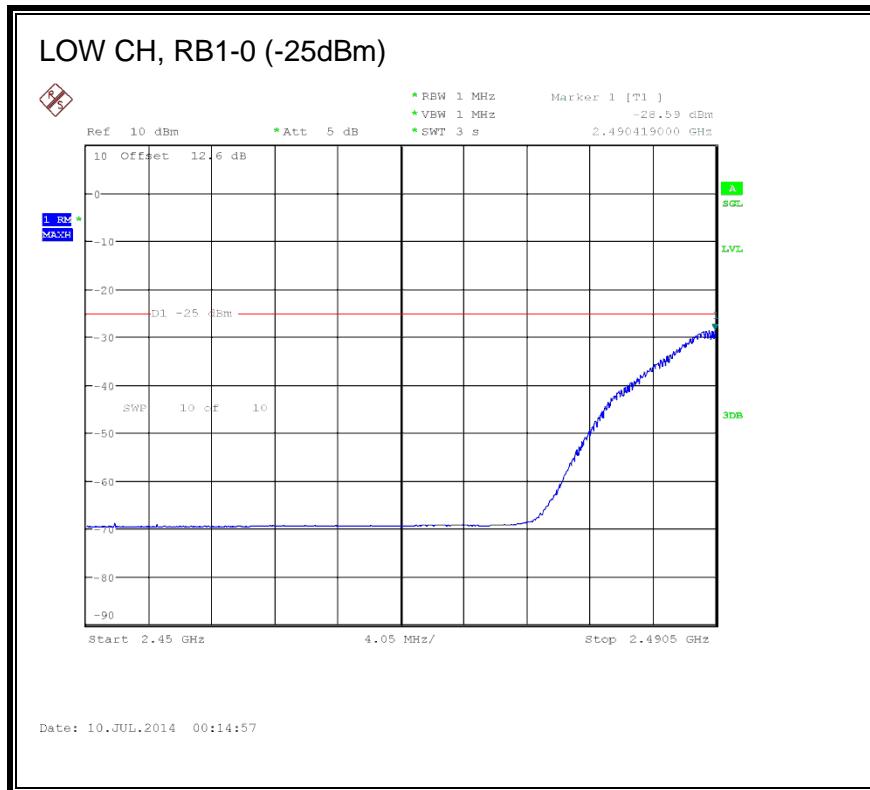
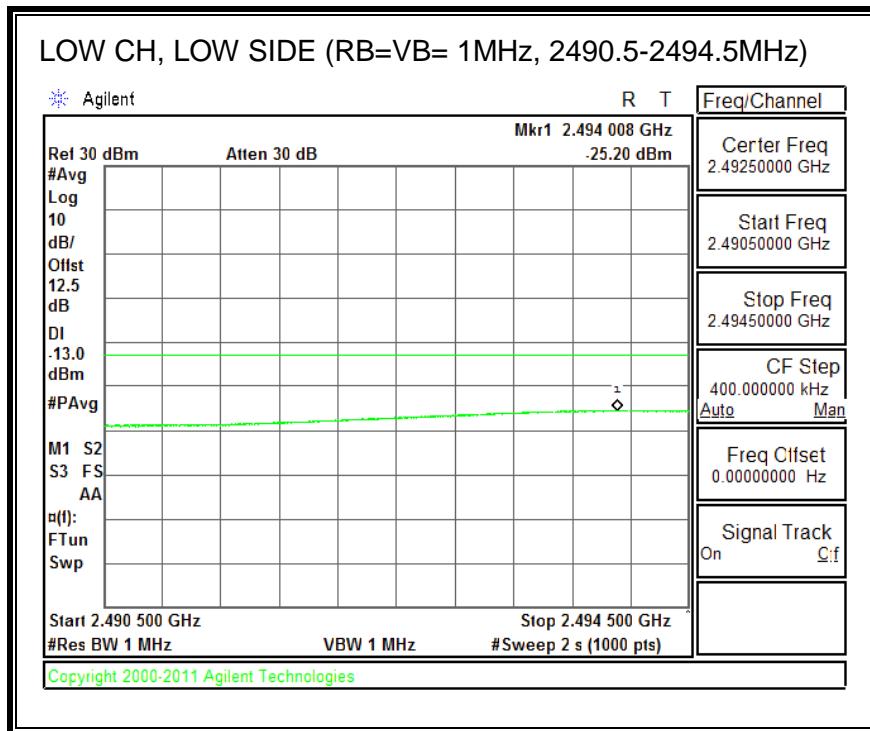


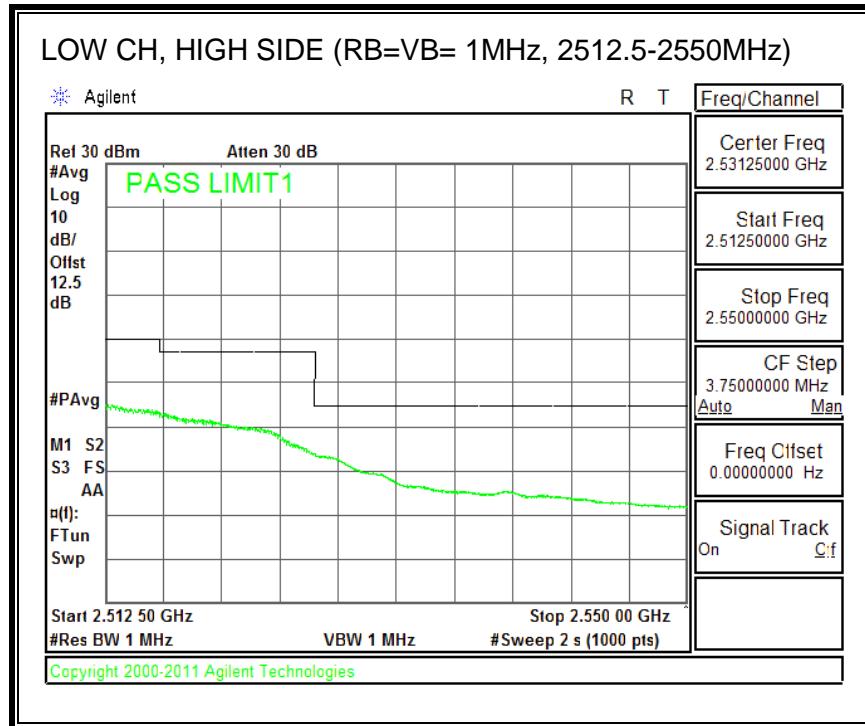
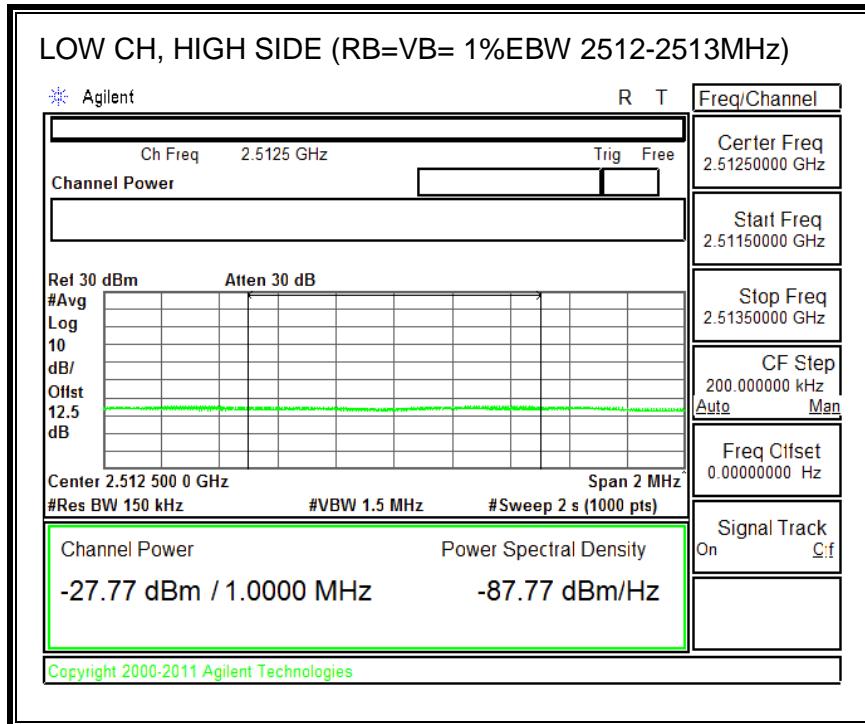


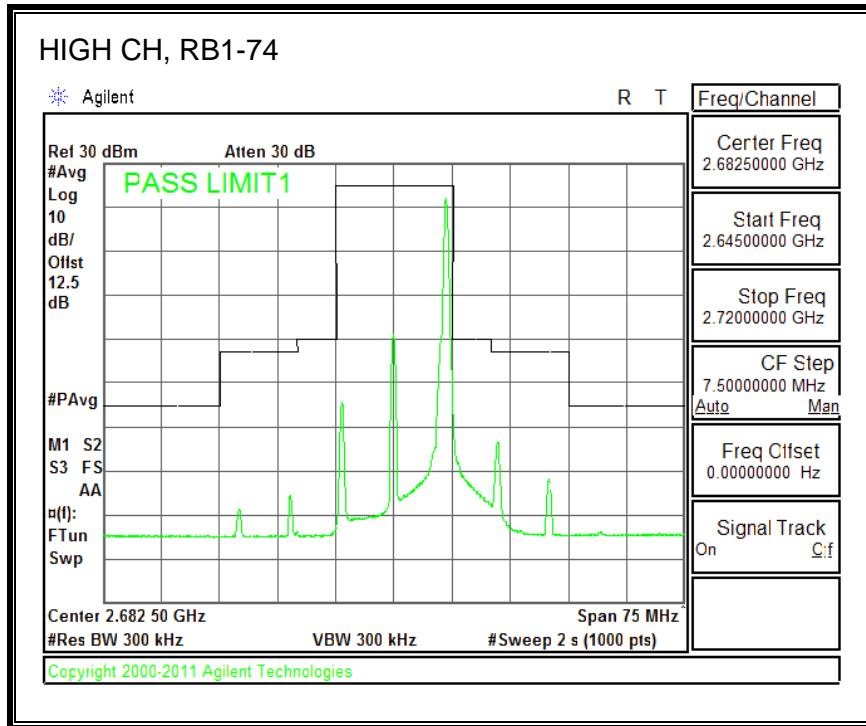
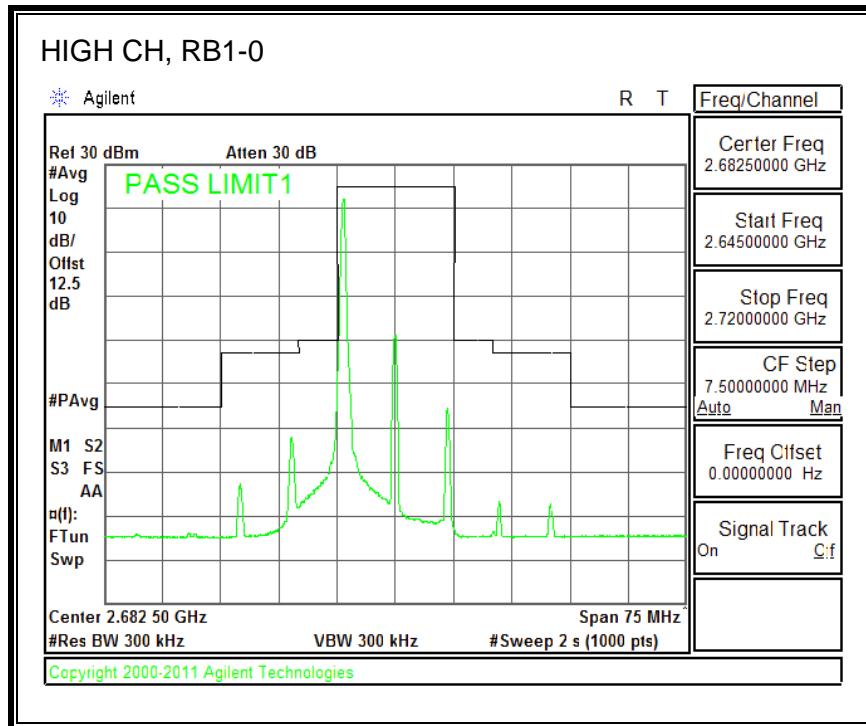
16QAM, (15.0 MHz BAND WIDTH)

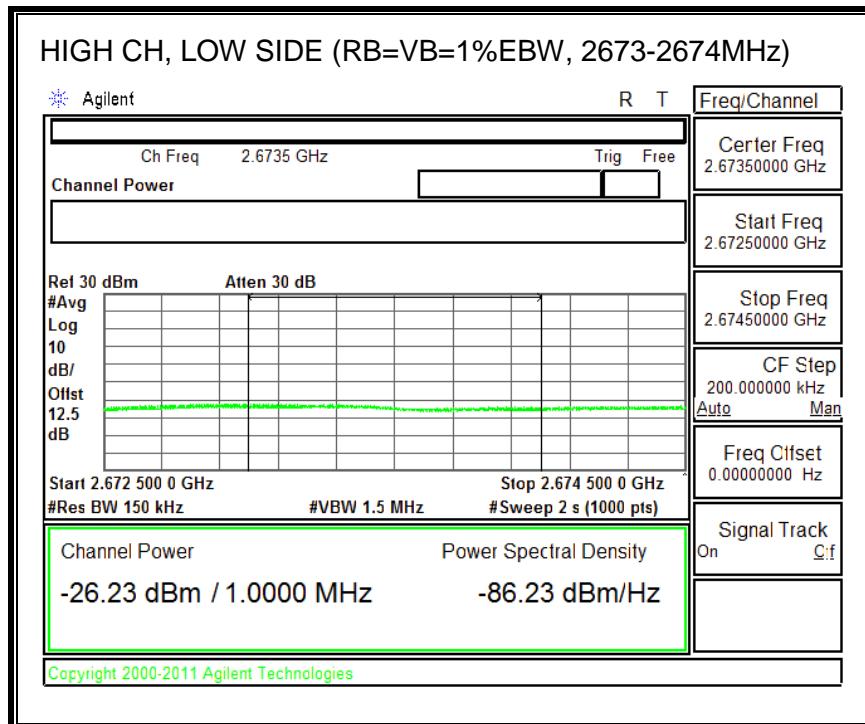
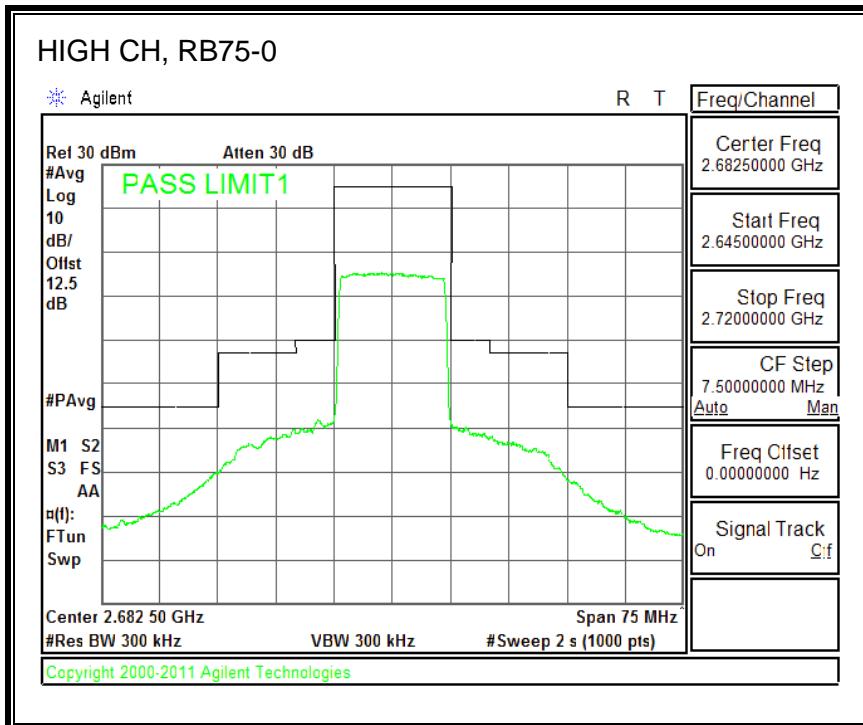


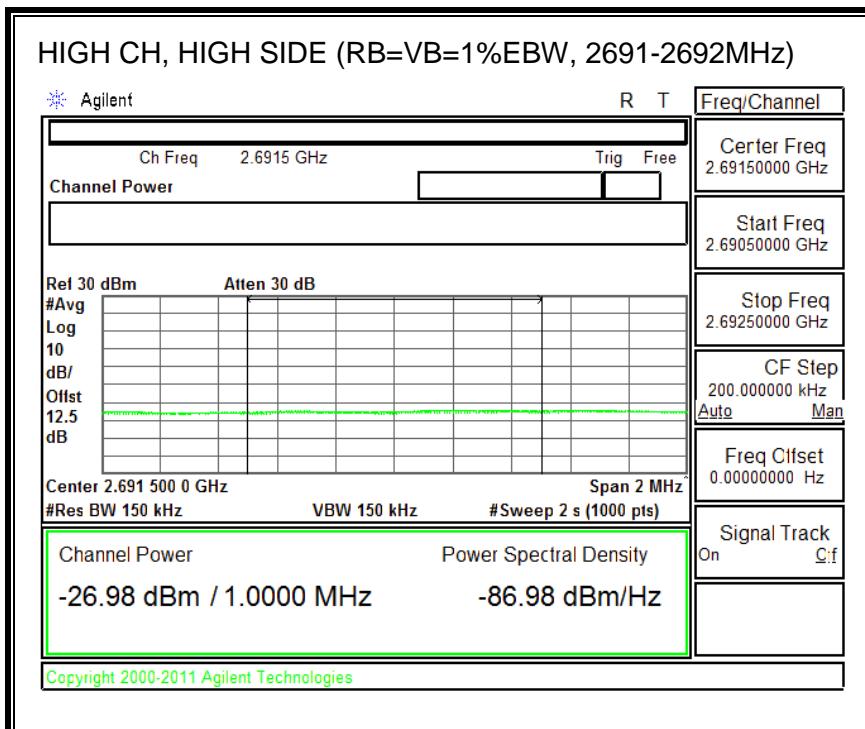
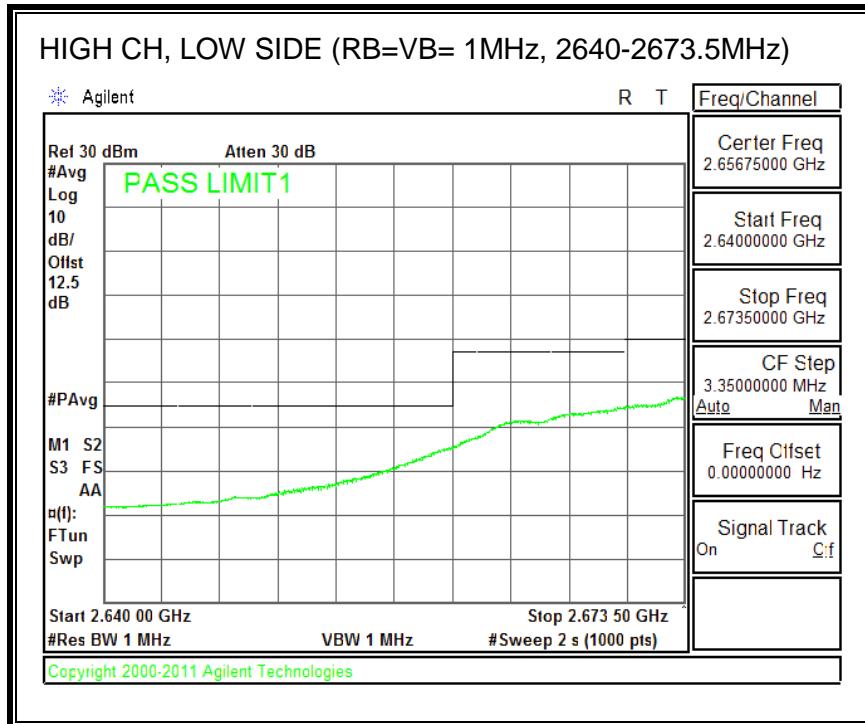


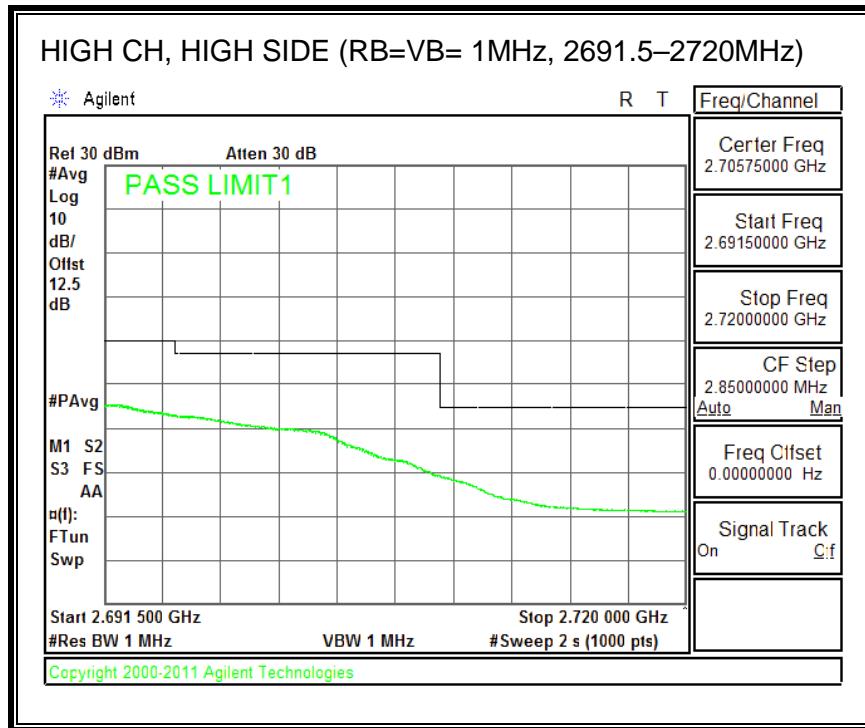




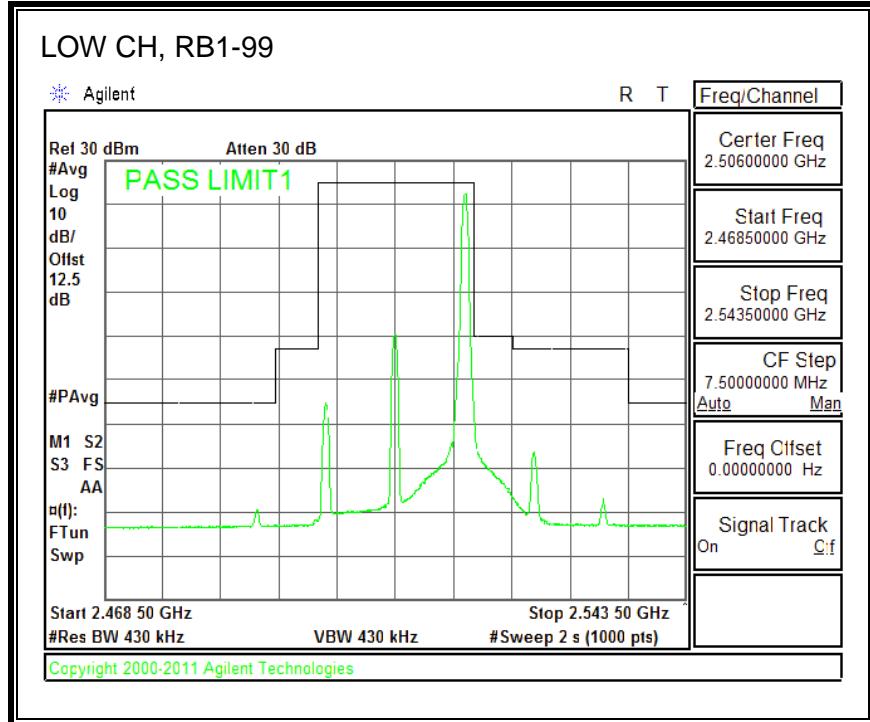
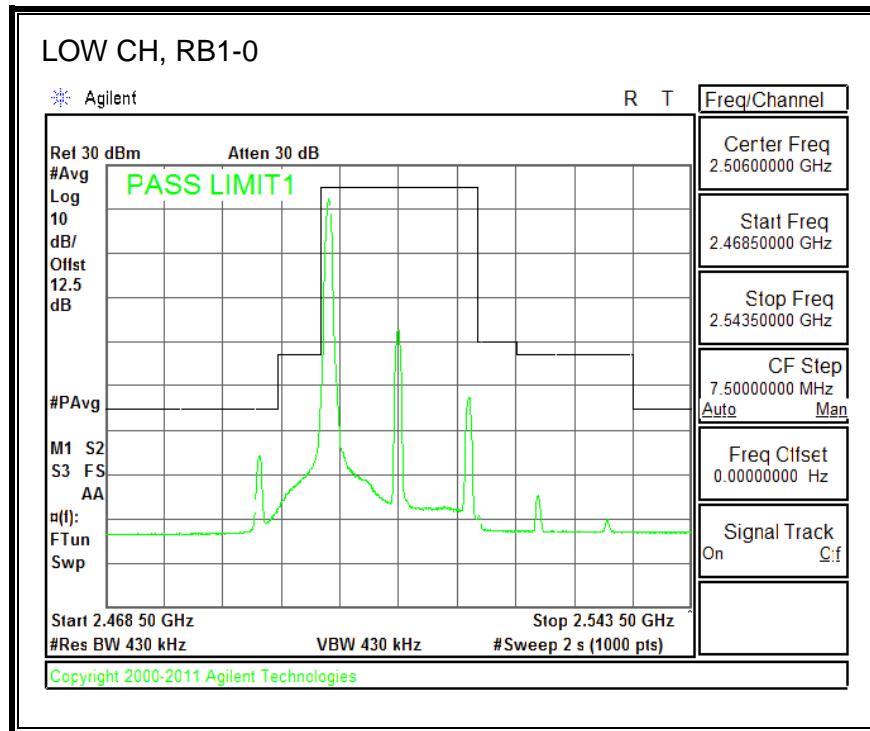


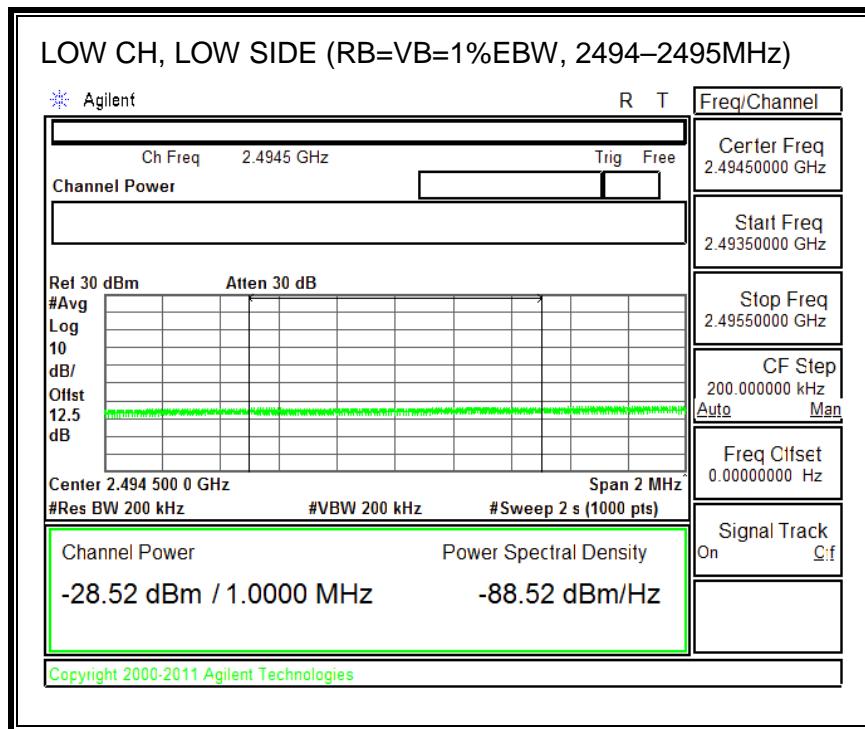
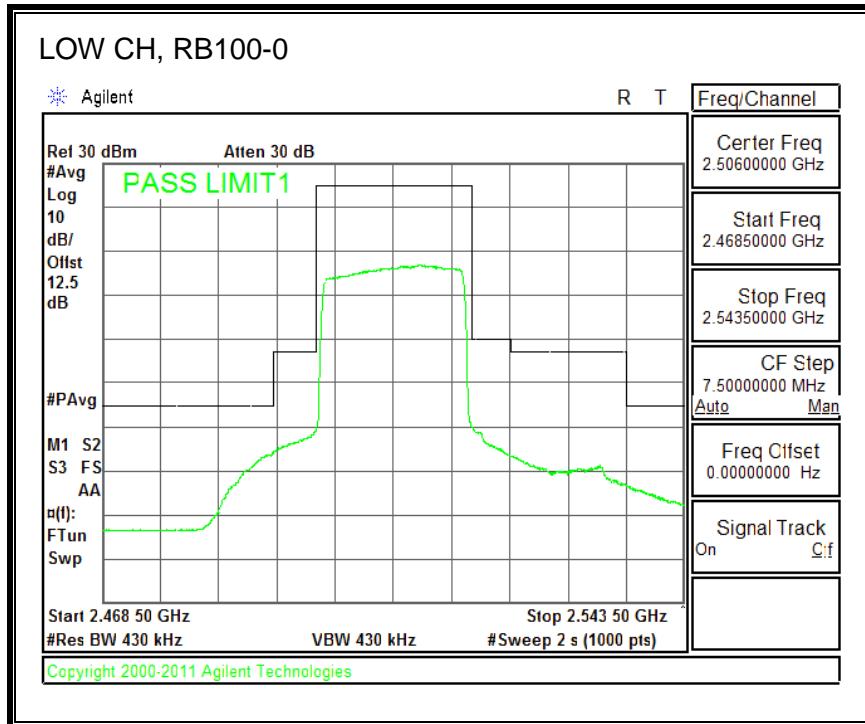


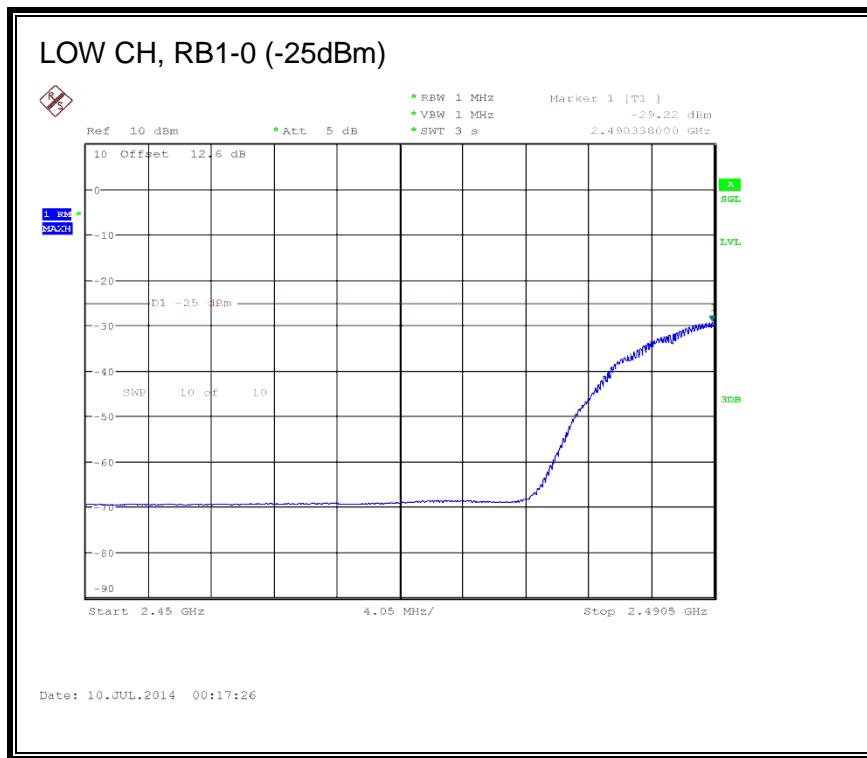
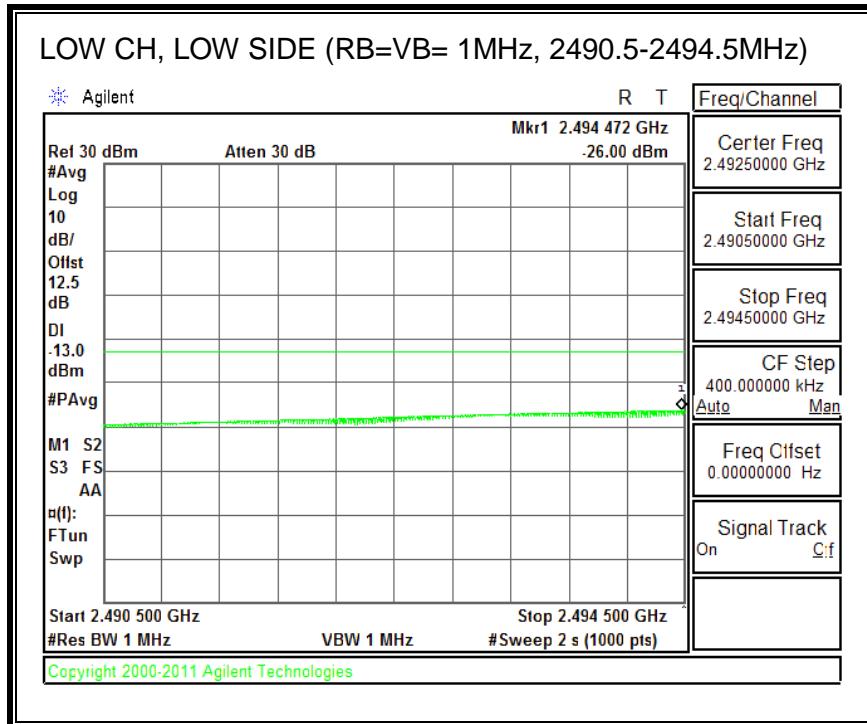


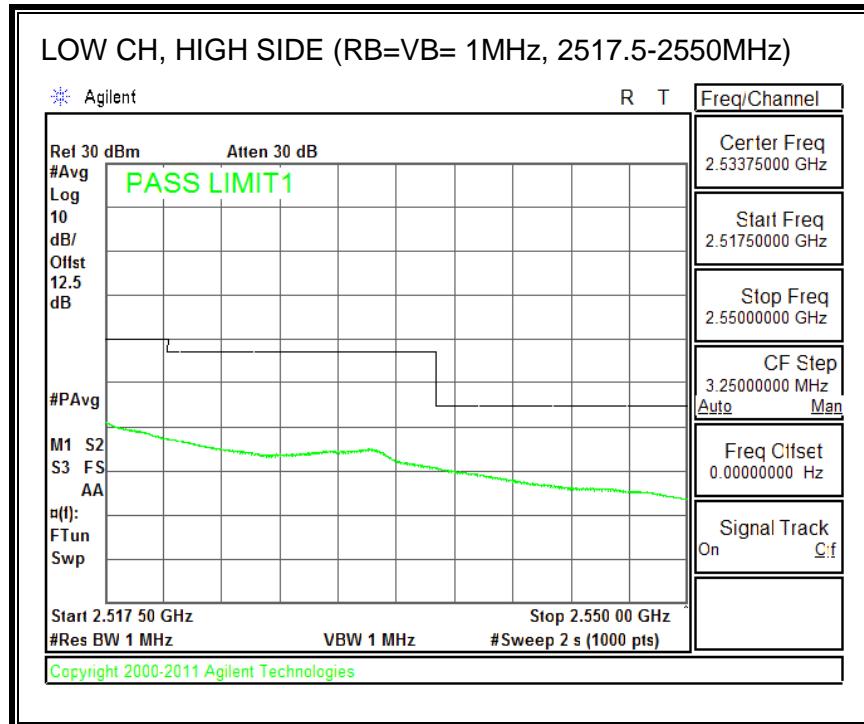
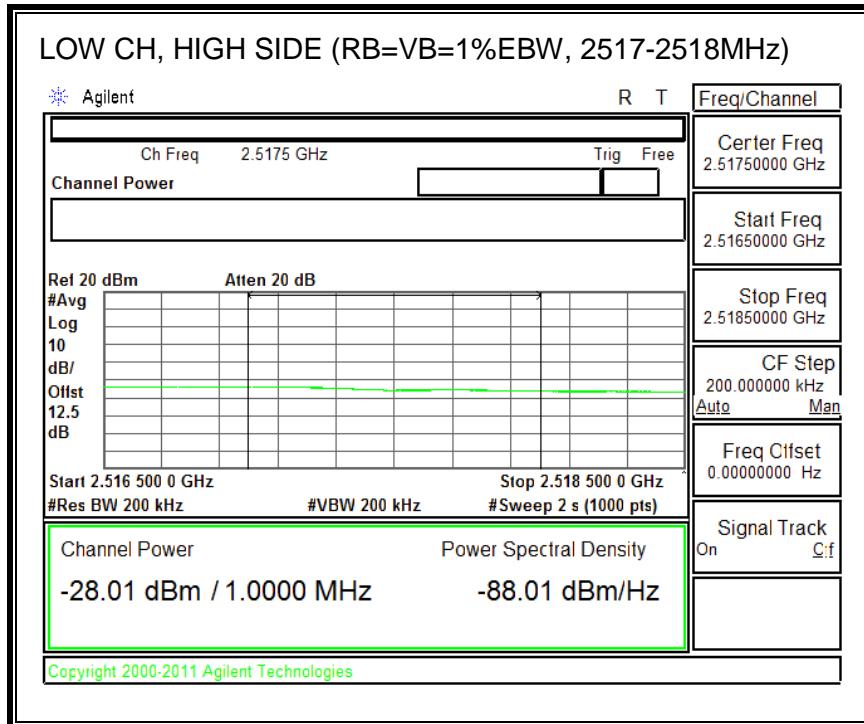


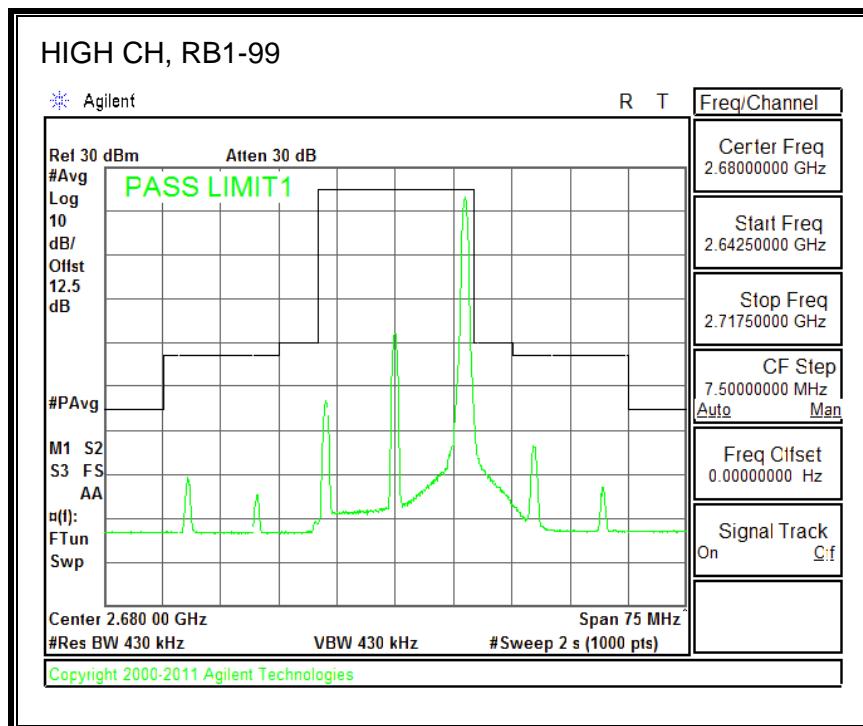
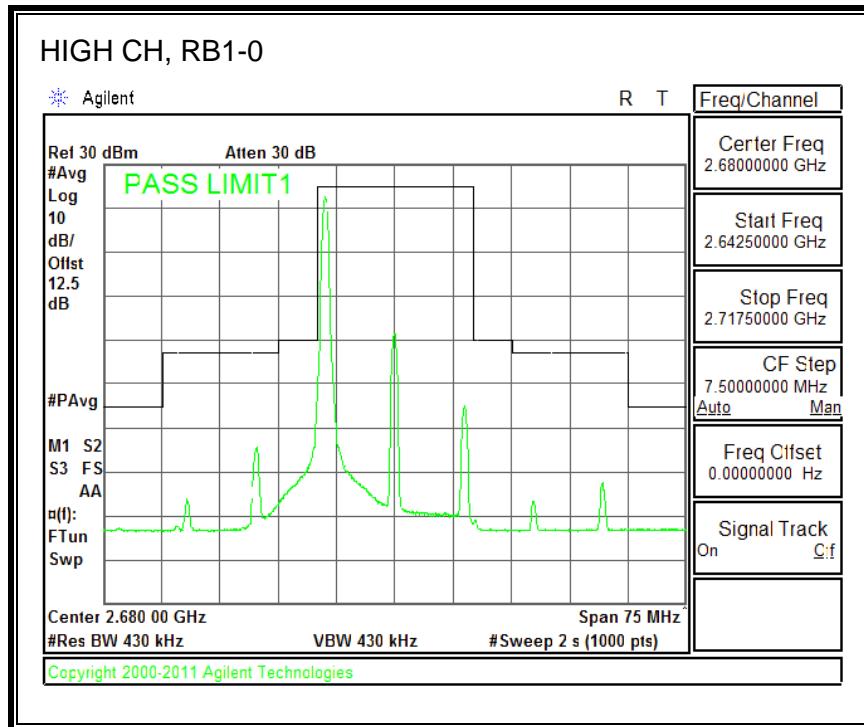
QPSK, (20.0 MHz BAND WIDTH)

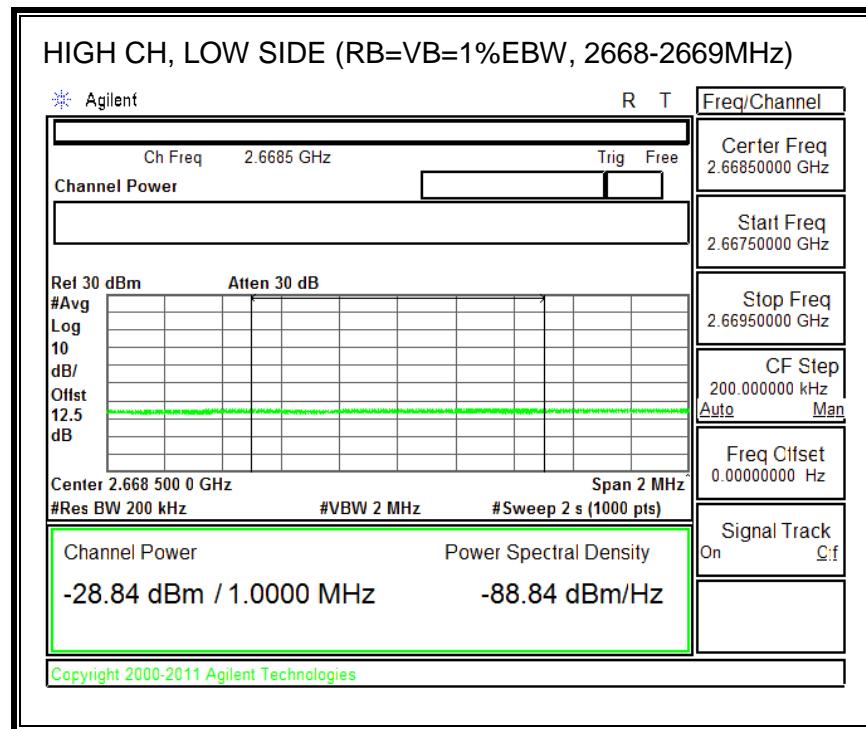
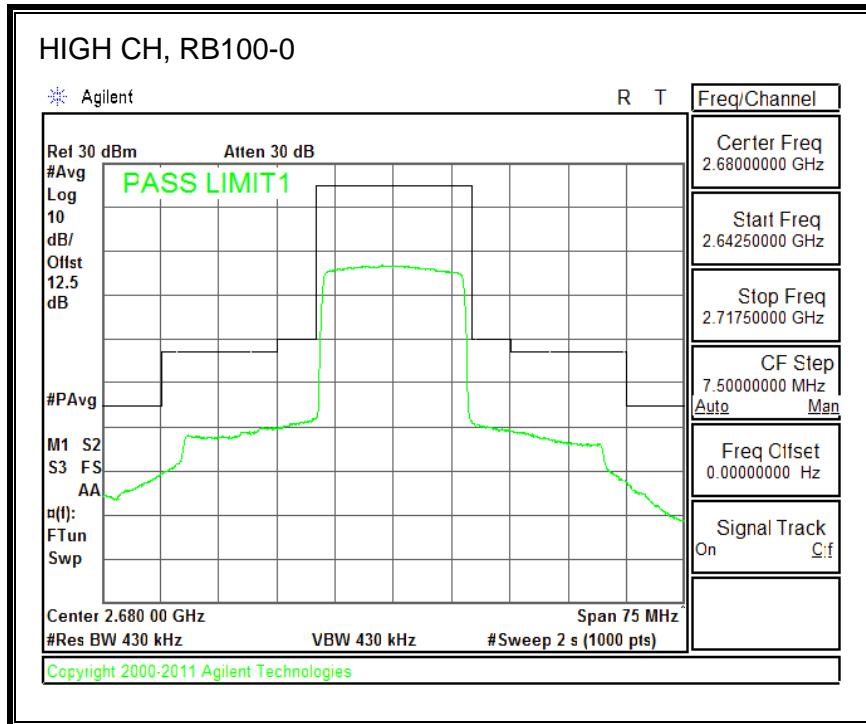


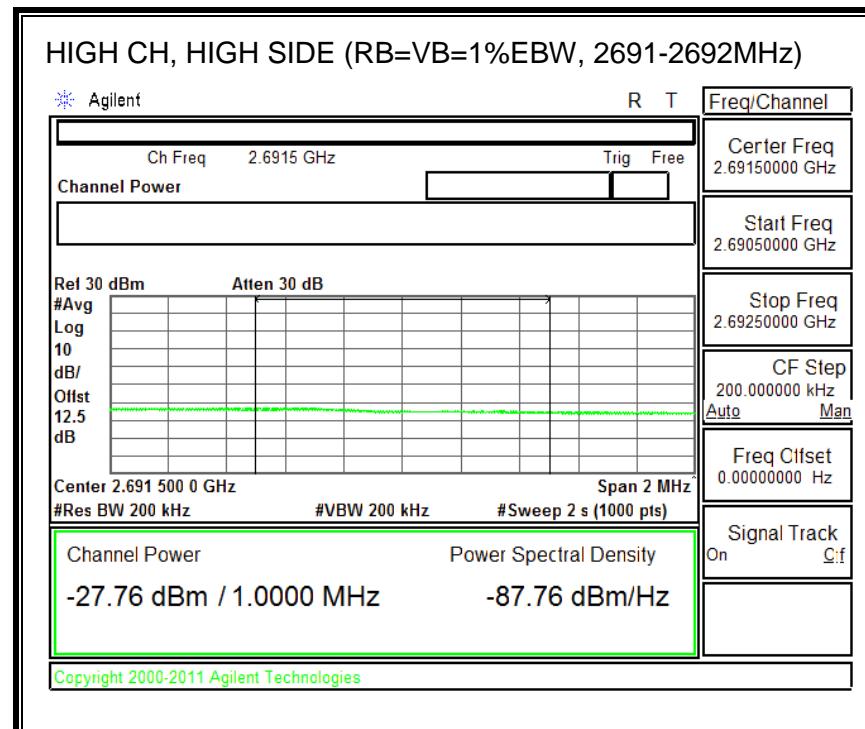
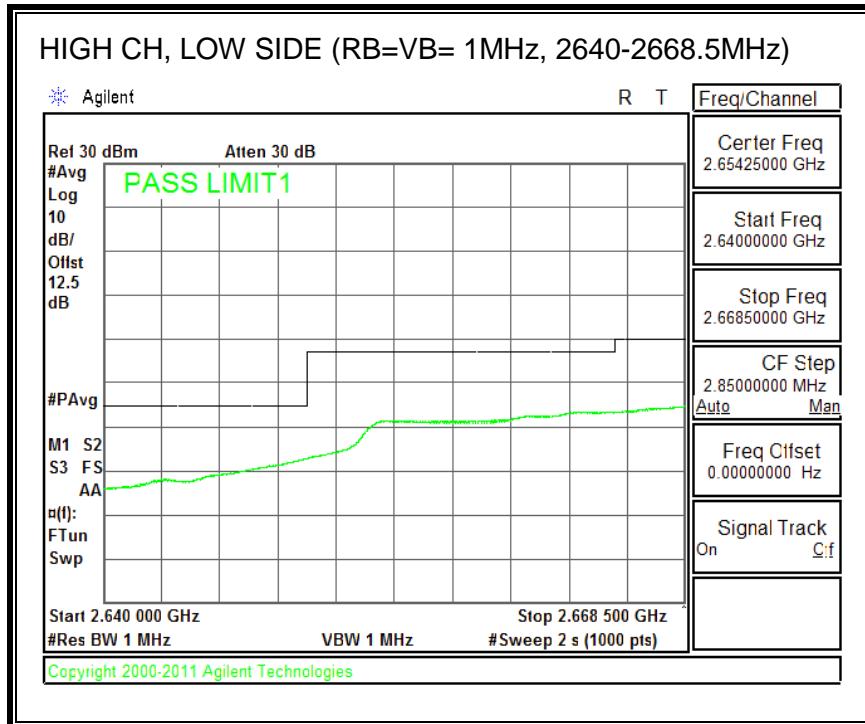


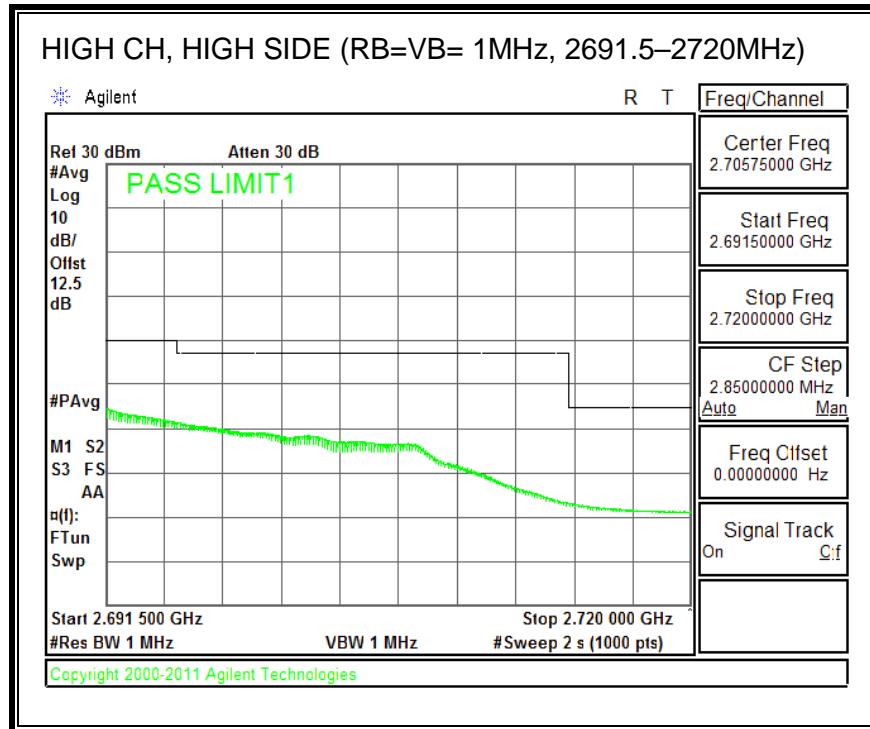




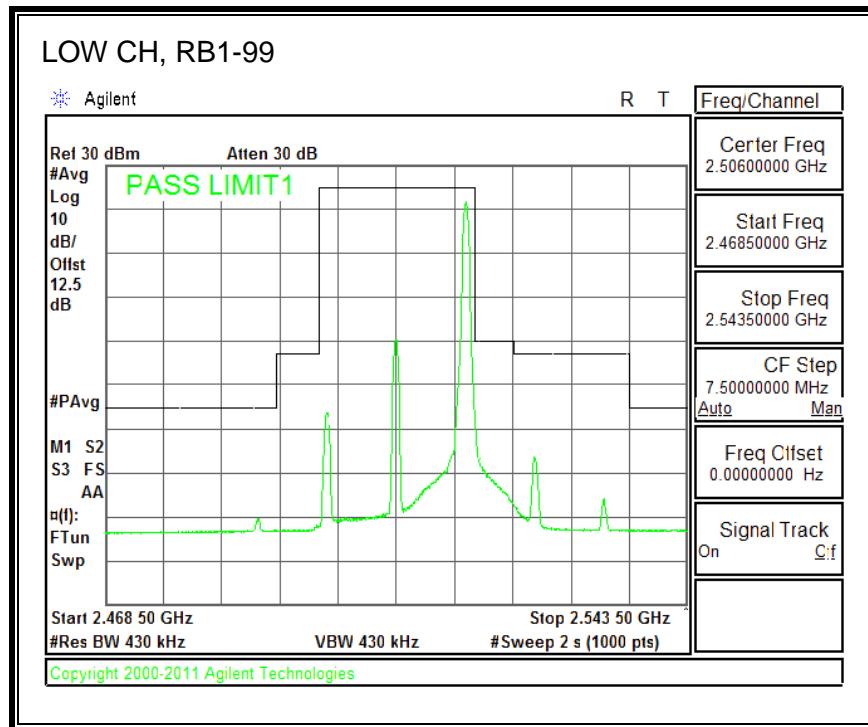
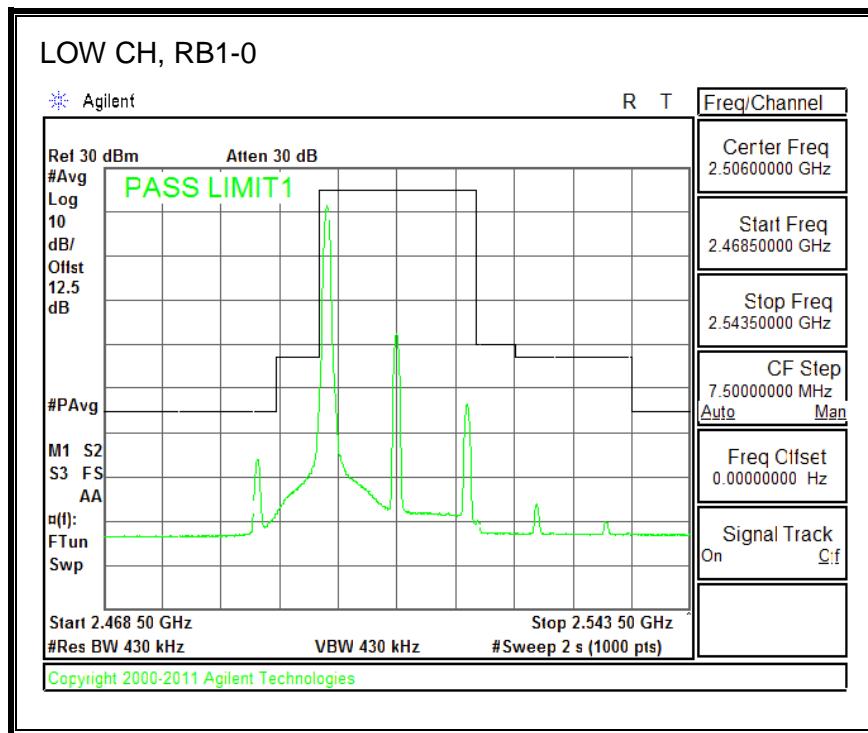


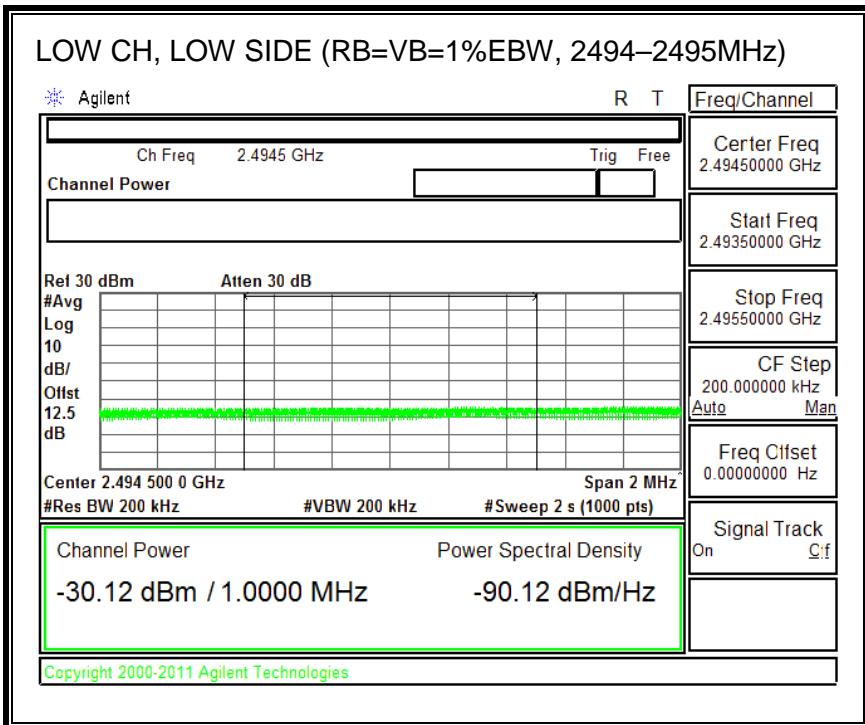
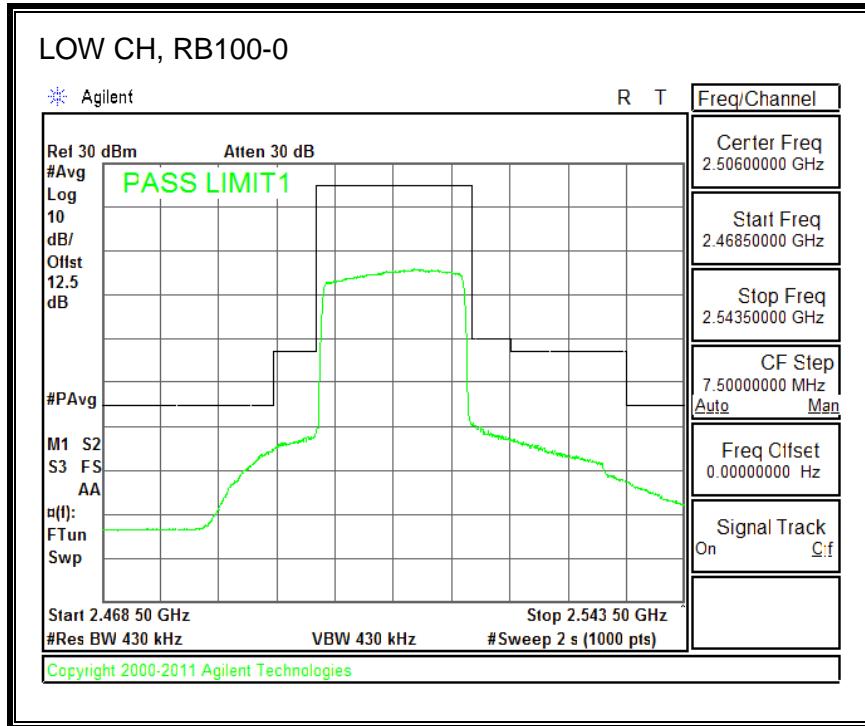


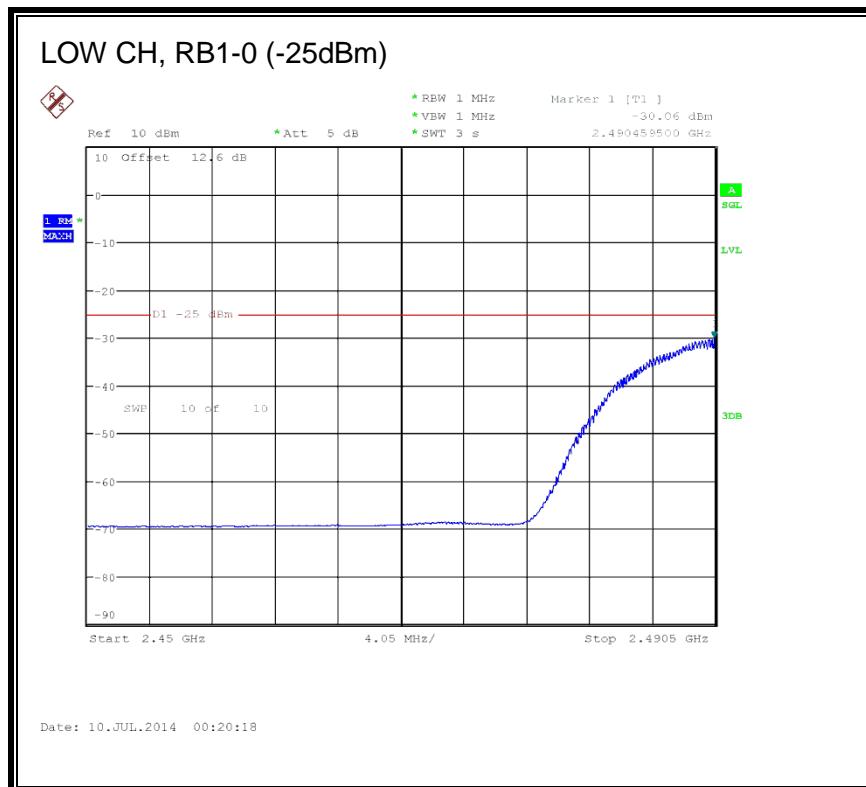
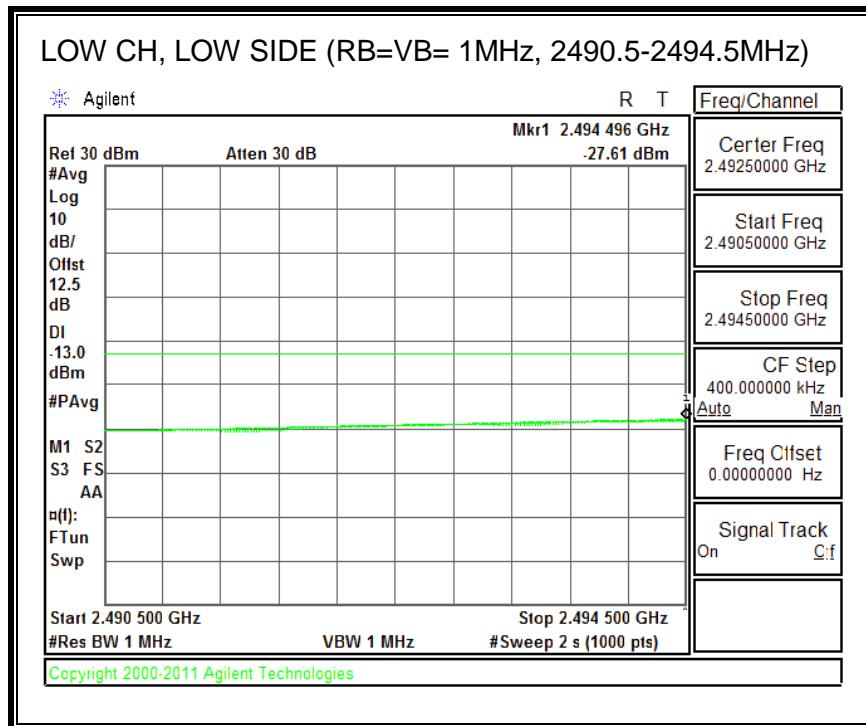


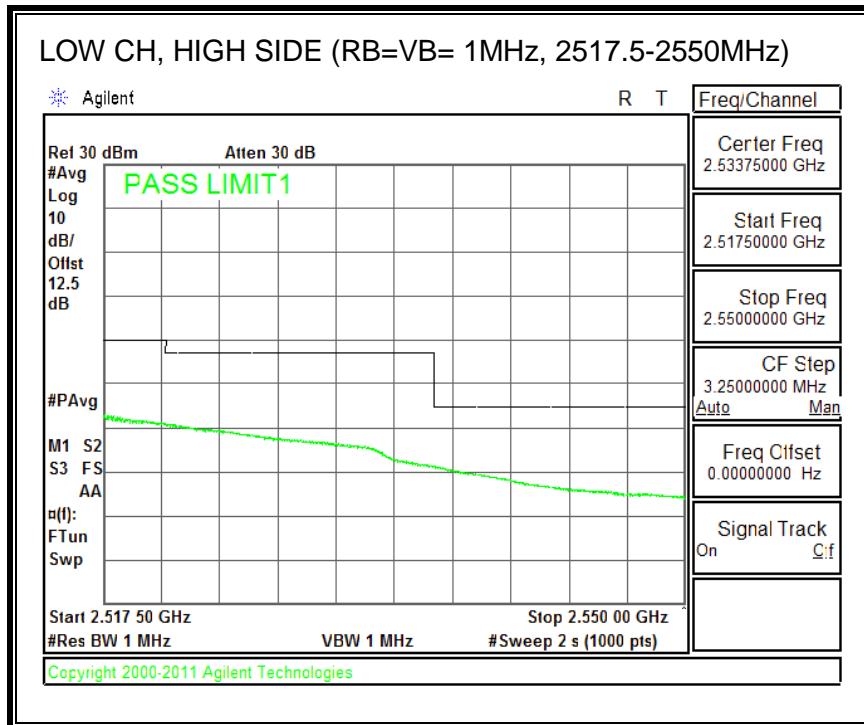
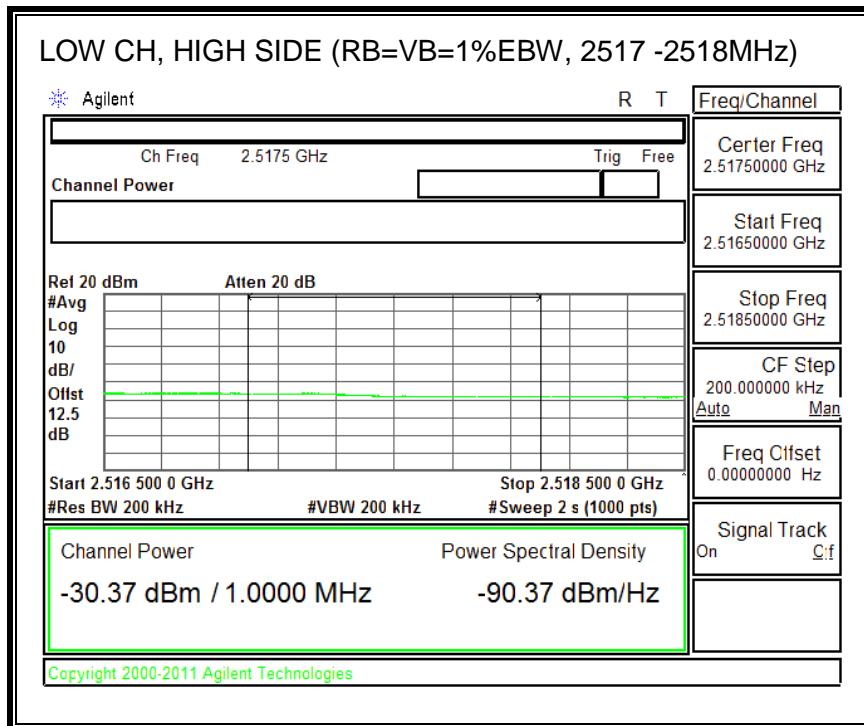


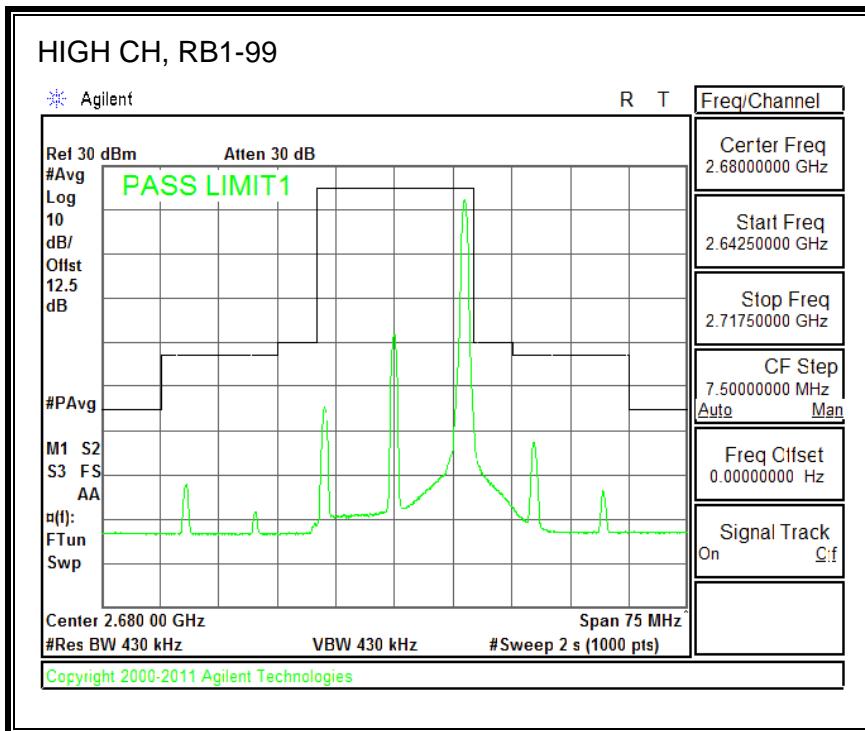
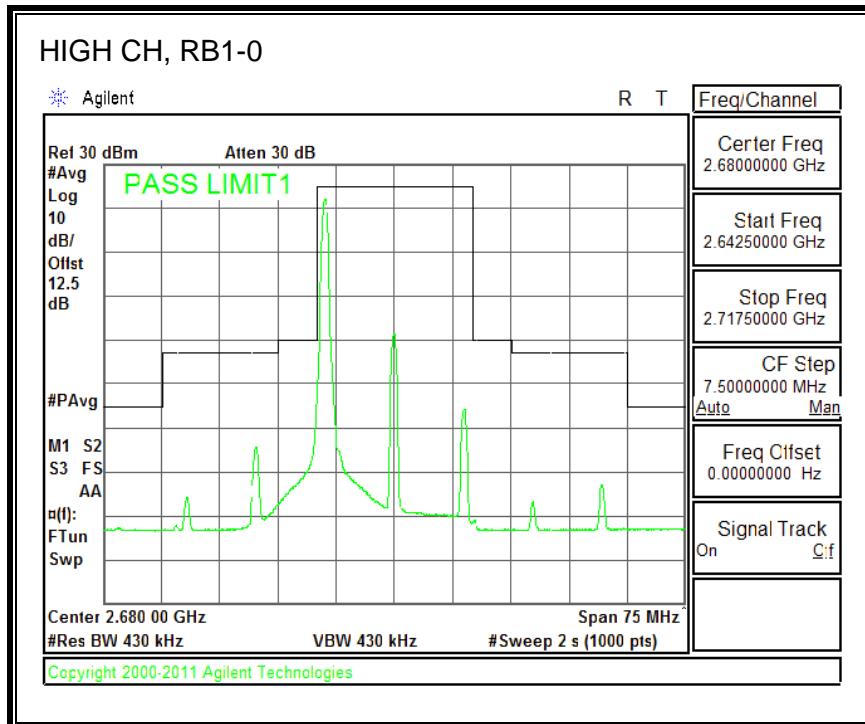
16QAM, (20.0 MHz BAND WIDTH)

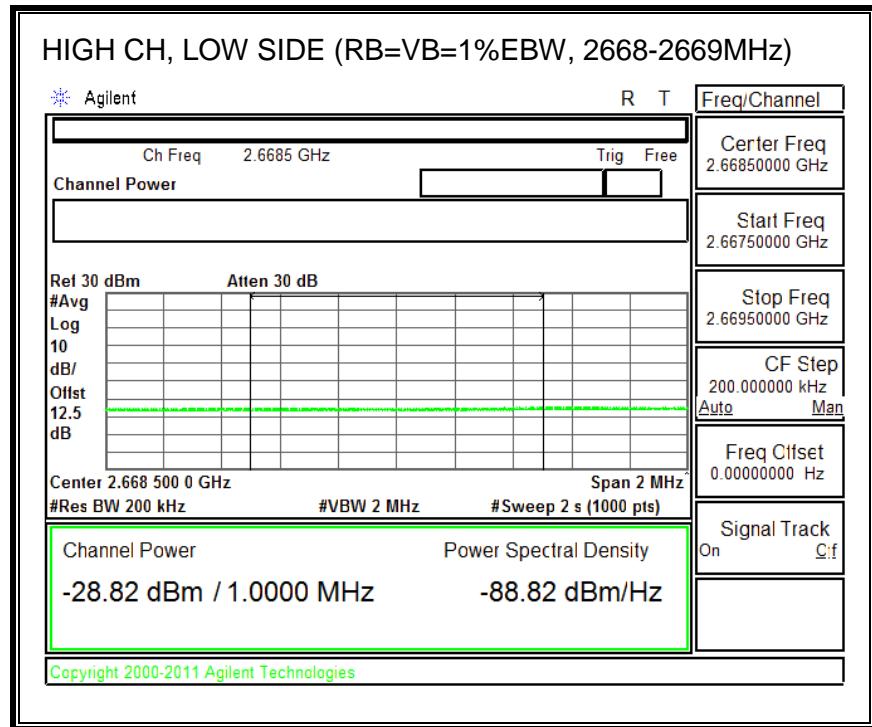
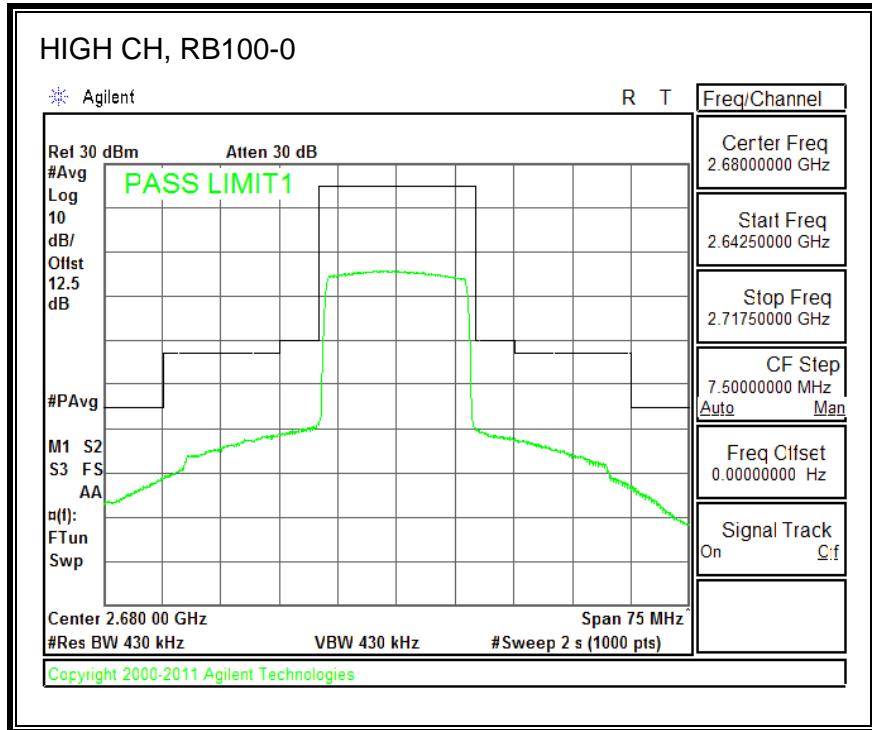


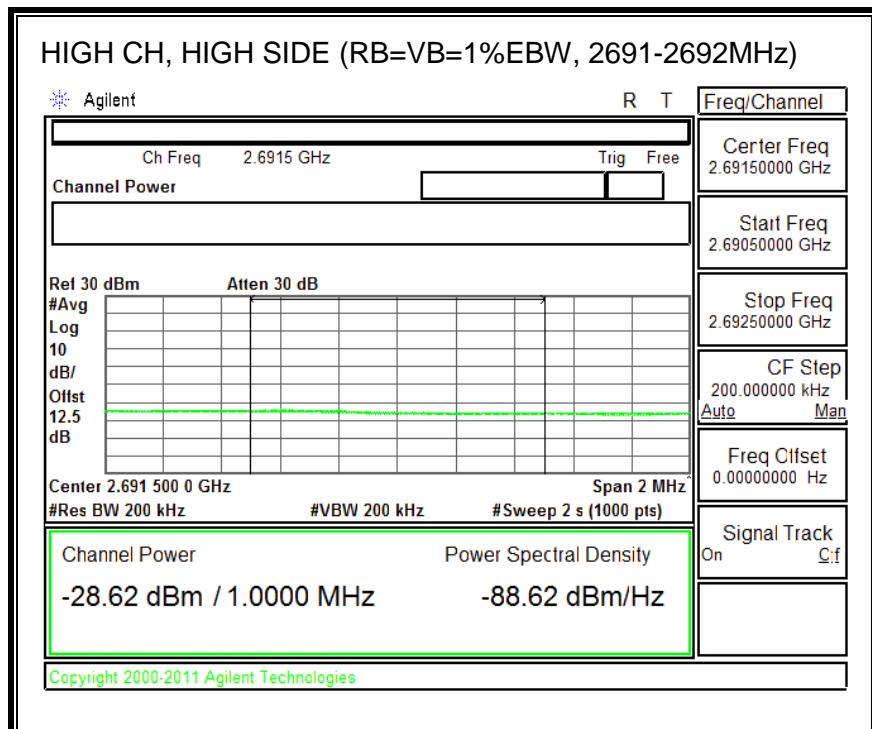
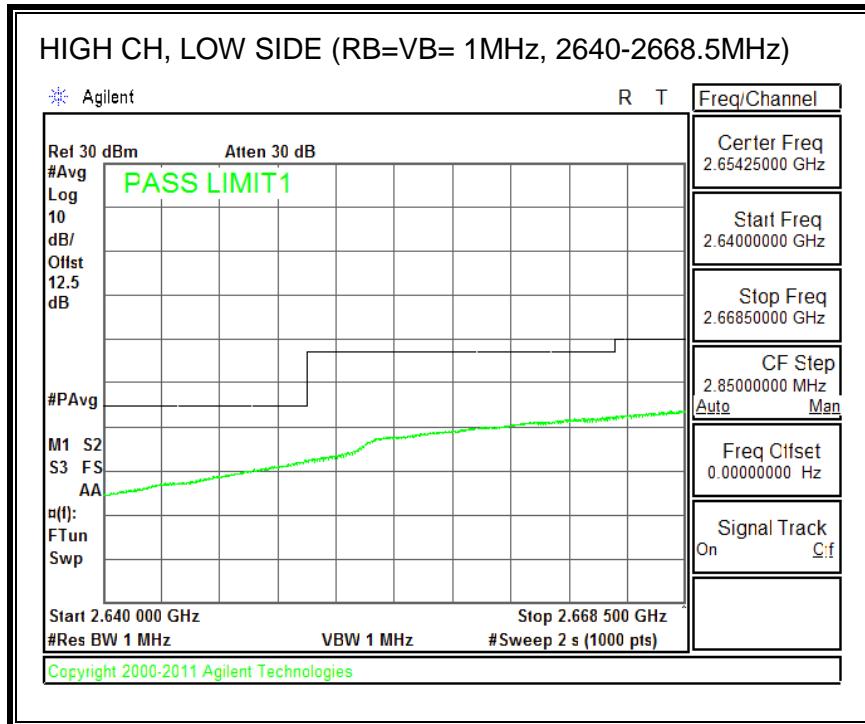


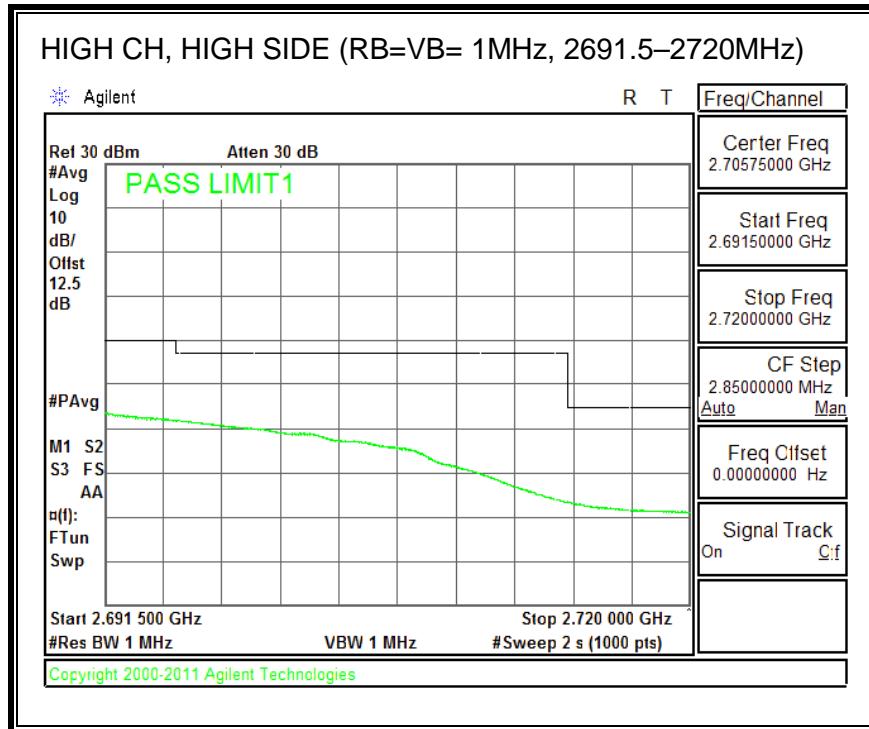












8.3. OUT OF BAND EMISSIONS

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:

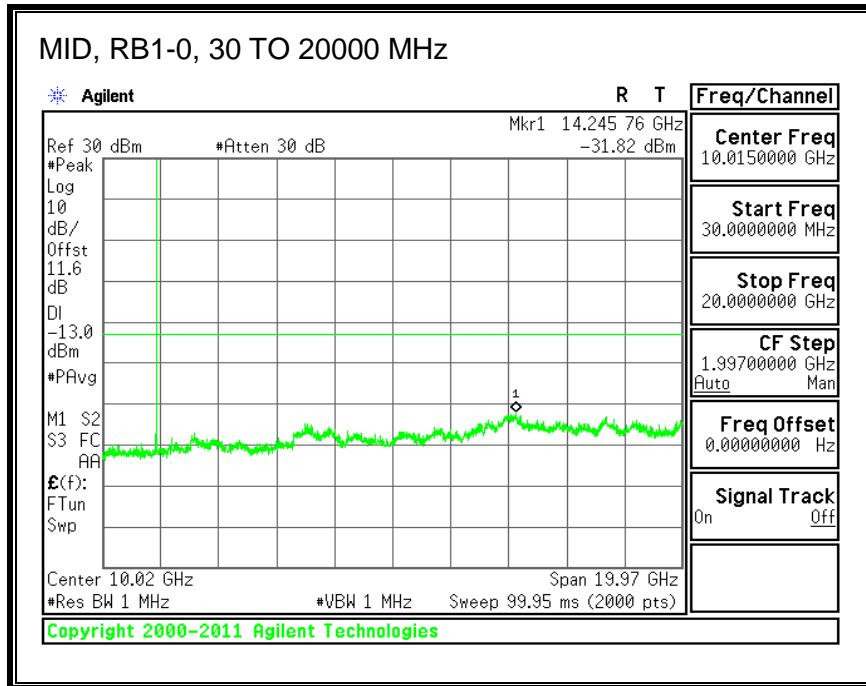
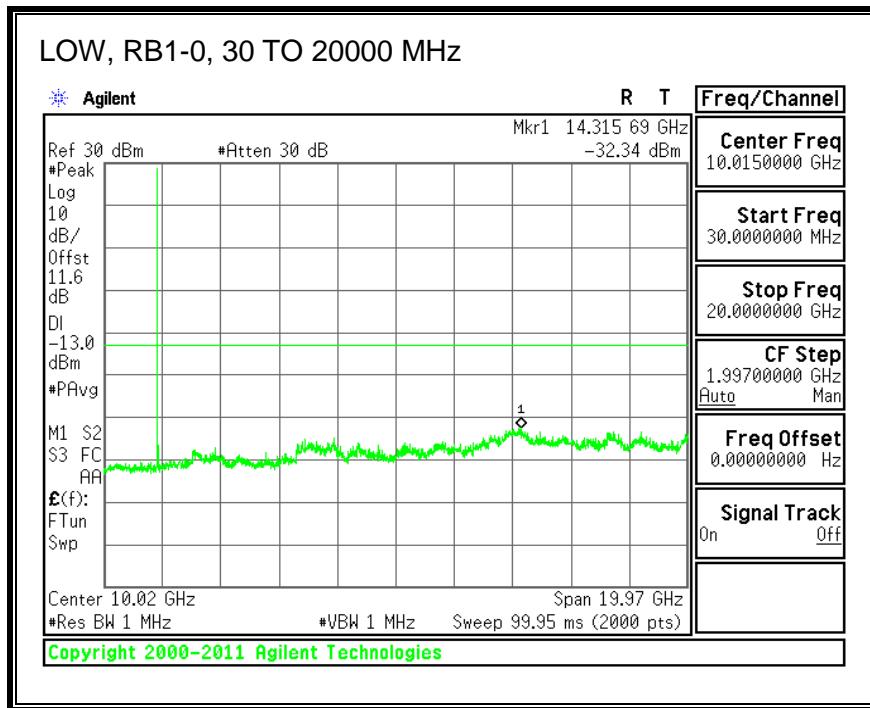
- Set display line at -13 dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.

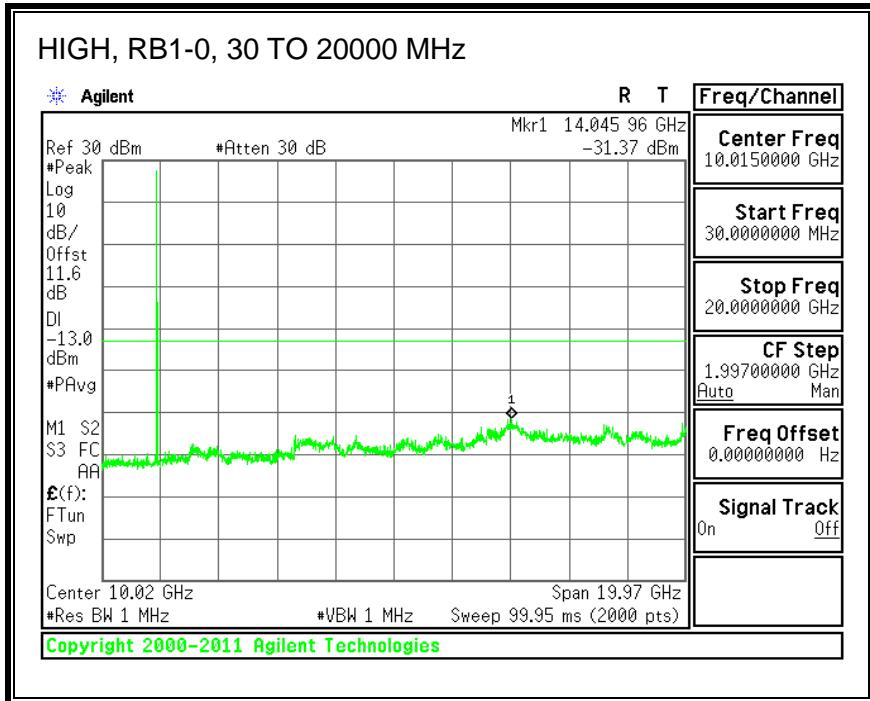
MODES TESTED

- LTE Band 2
- LTE Band 4
- LTE Band 5
- LTE Band 13
- LTE Band 17
- LTE Band 25
- LTE Band 26
- LTE Band 41

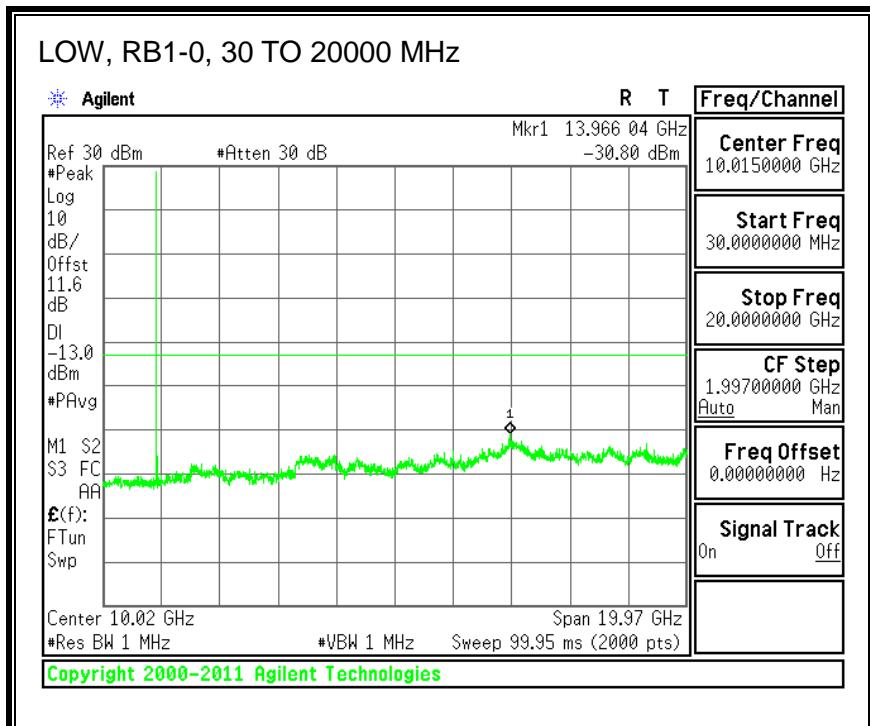
8.3.1. LTE BAND 2

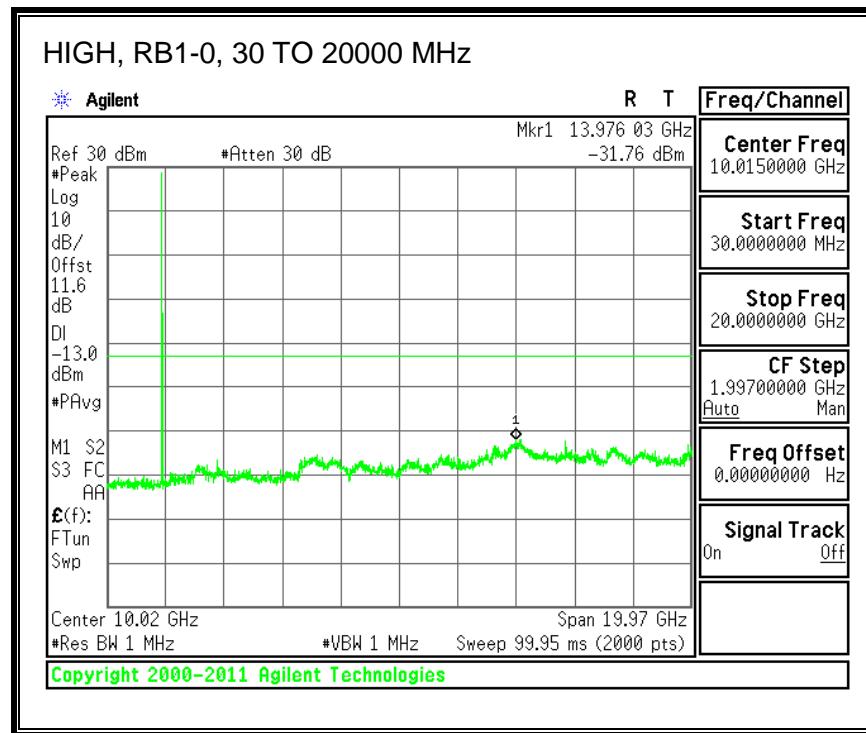
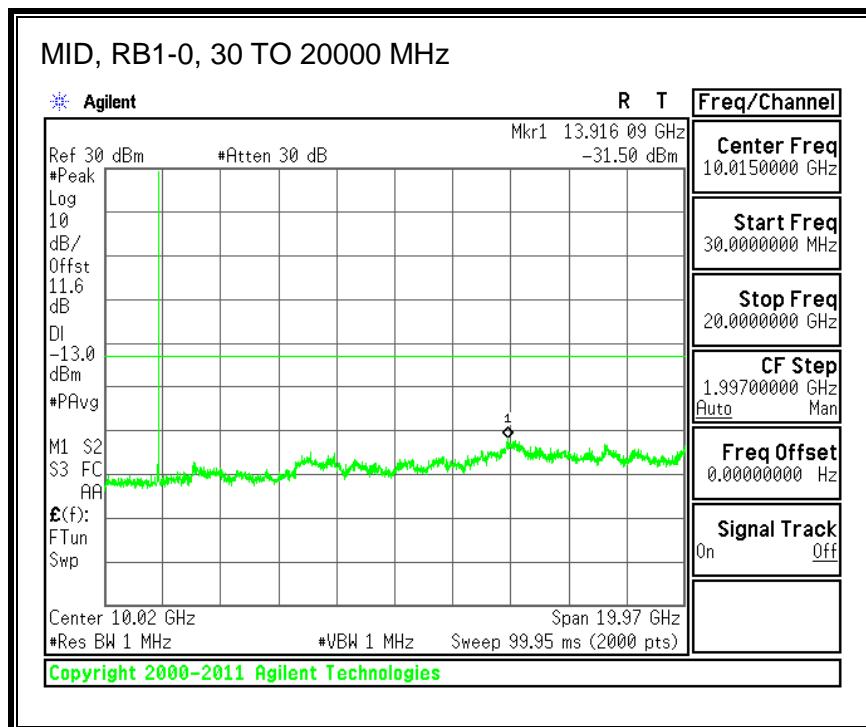
QPSK, (1.4 MHz BAND WIDTH)



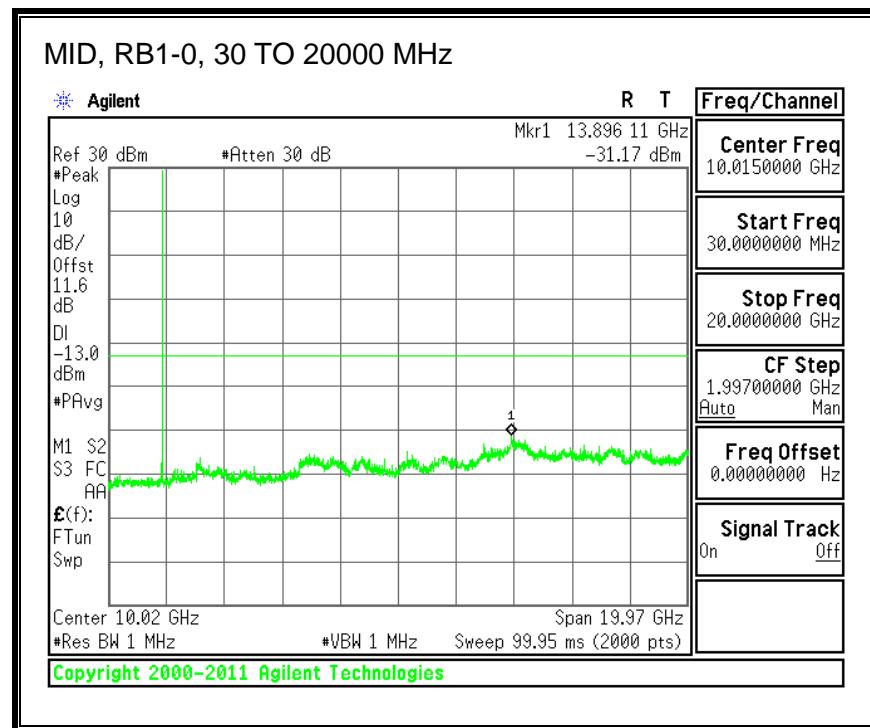
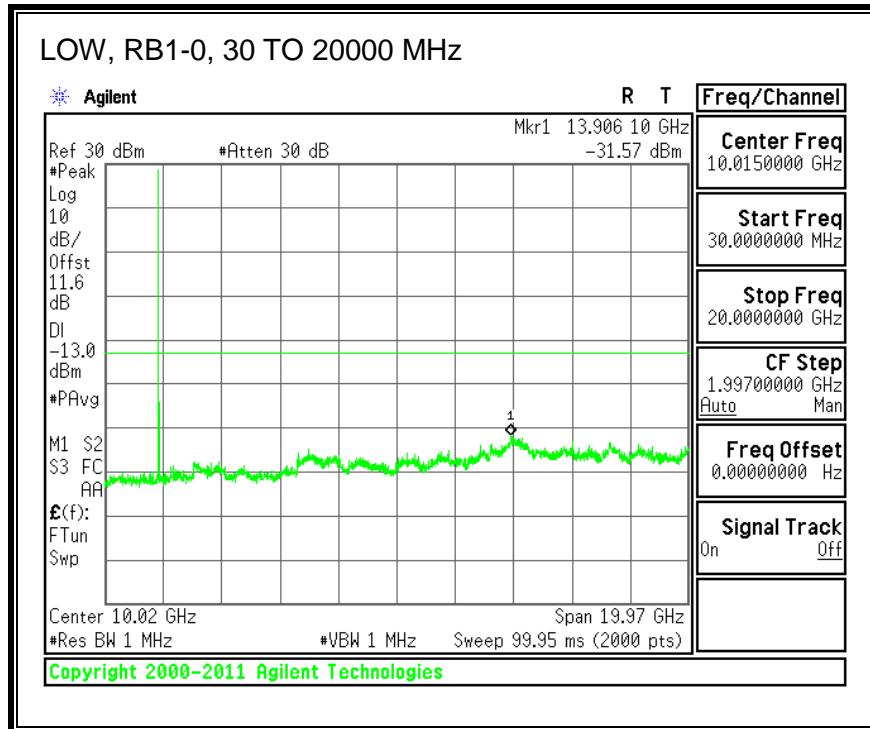


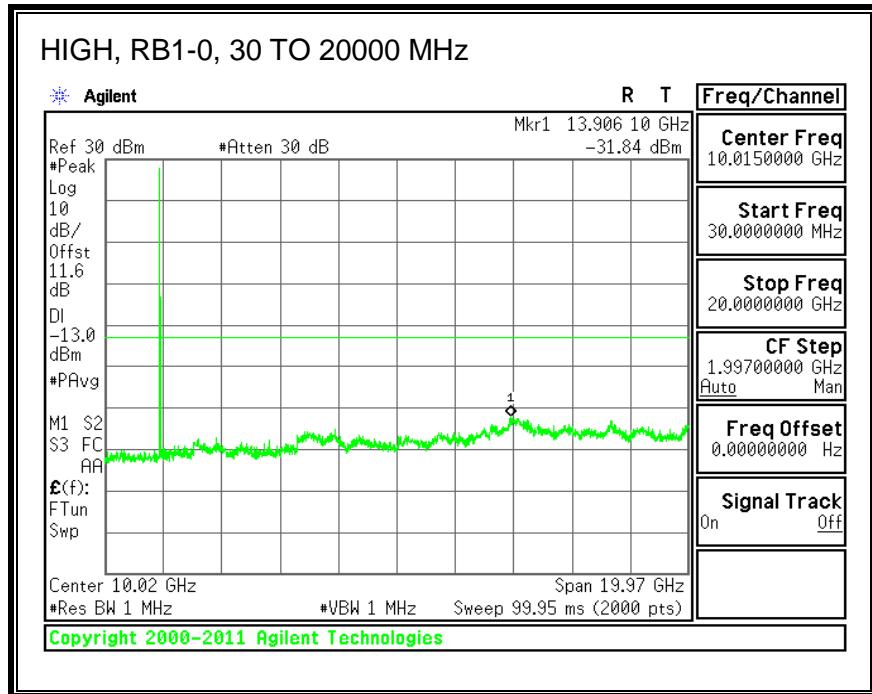
16QAM, (1.4 MHz BAND WIDTH)



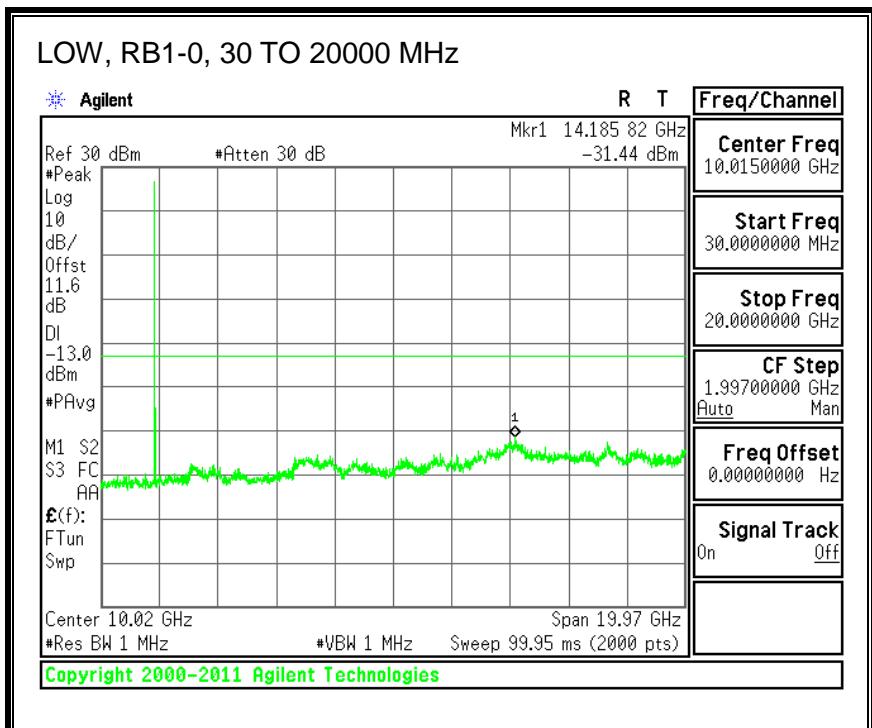


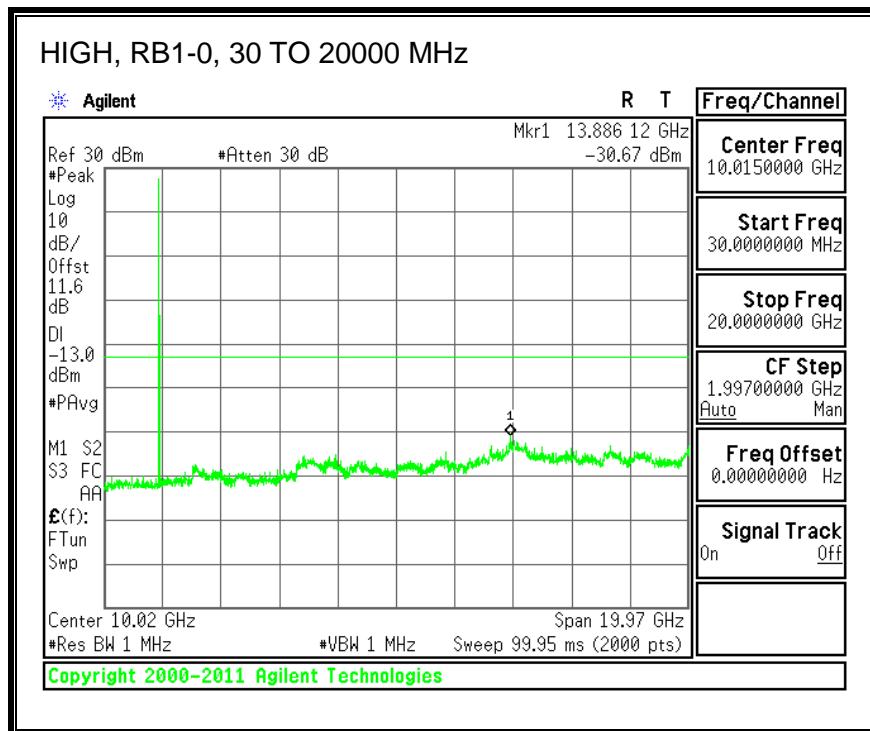
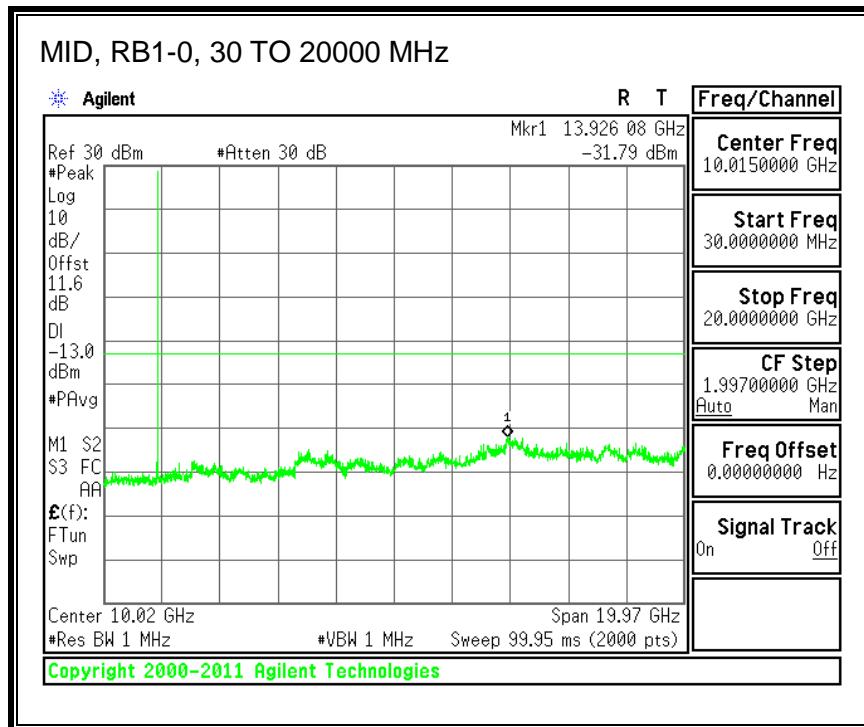
QPSK, (3.0 MHz BAND WIDTH)



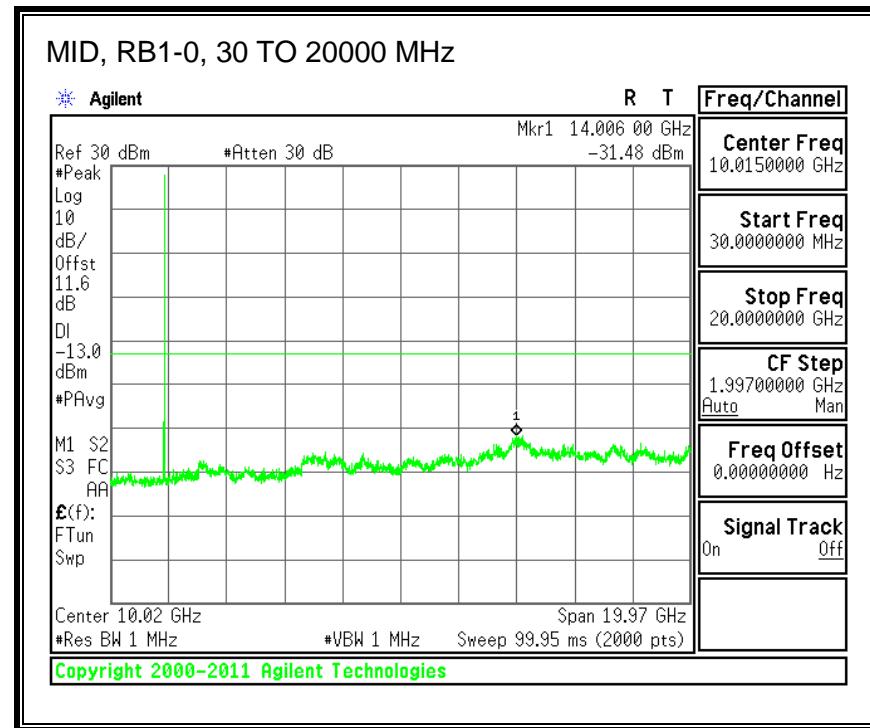
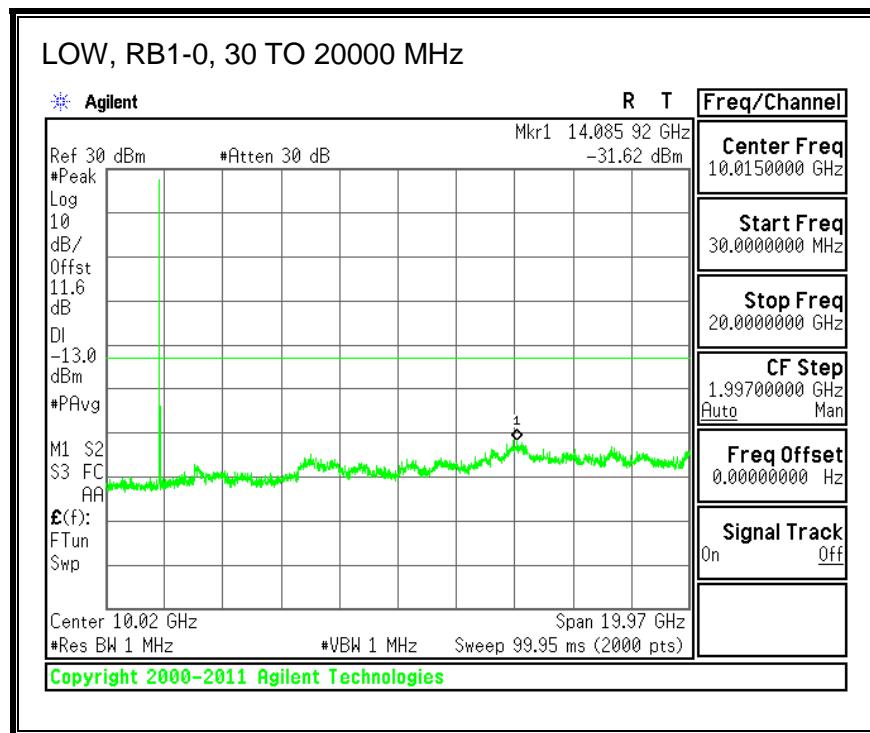


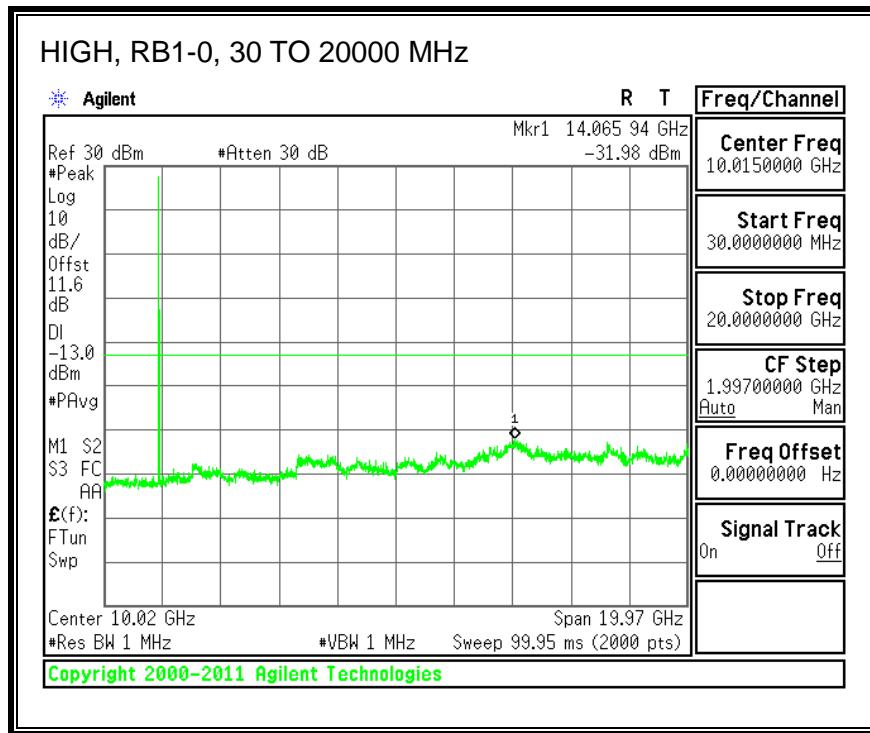
16QAM, (3.0 MHz BAND WIDTH)



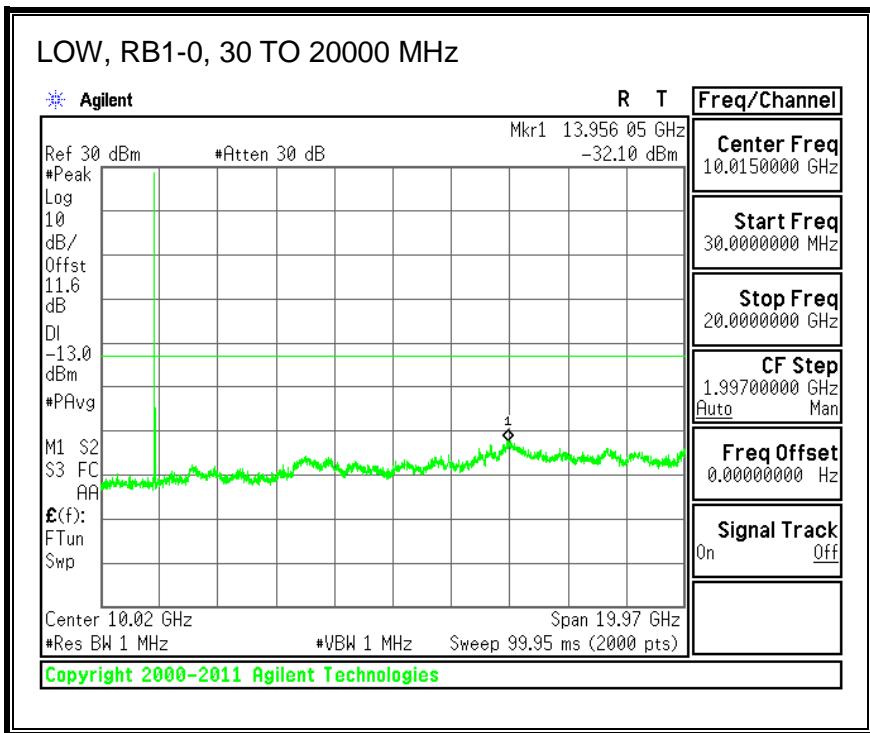


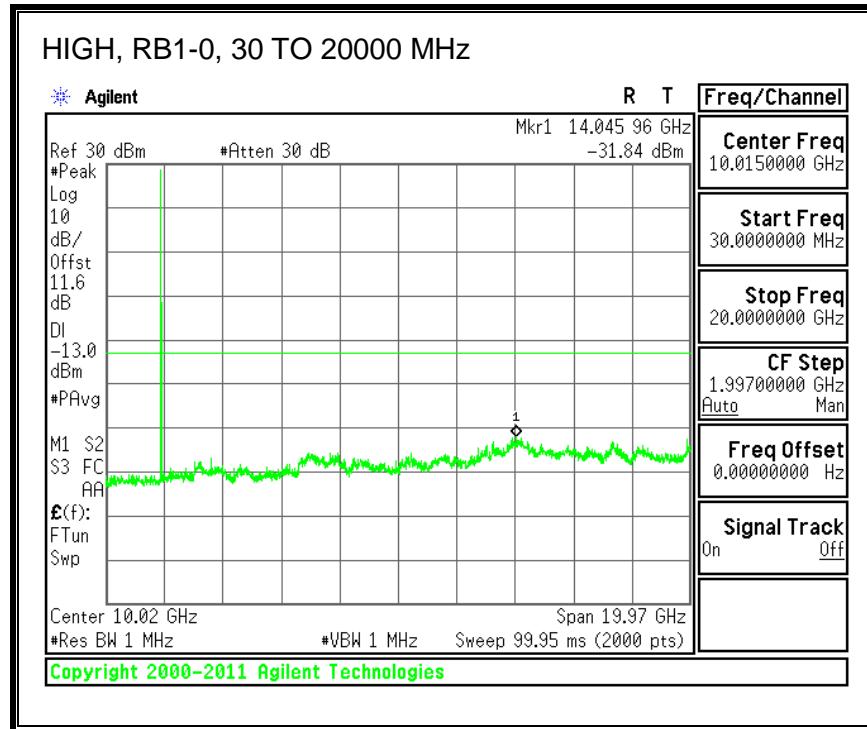
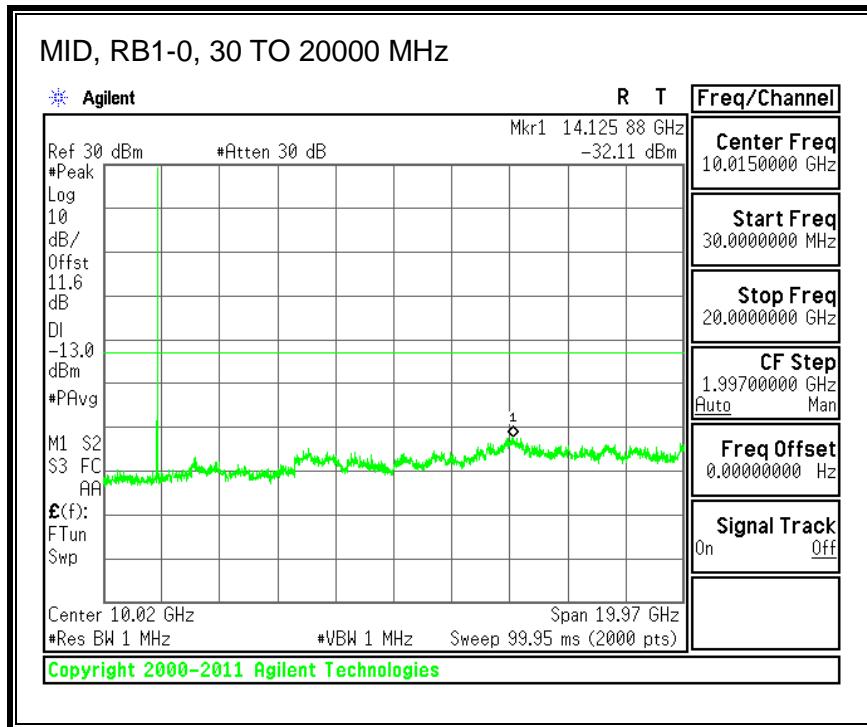
QPSK, (5.0 MHz BAND WIDTH)



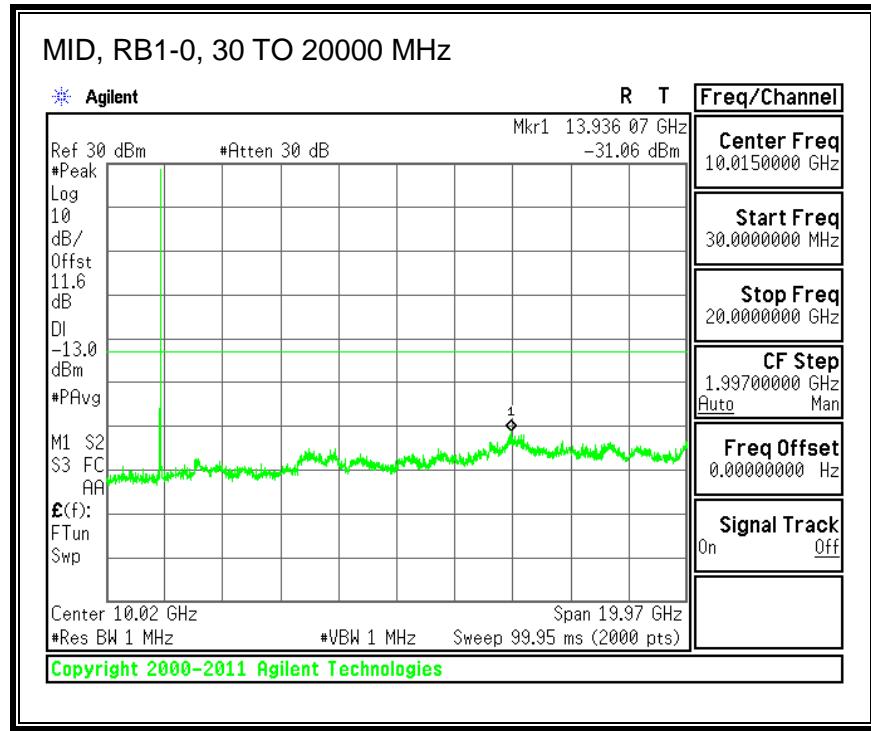
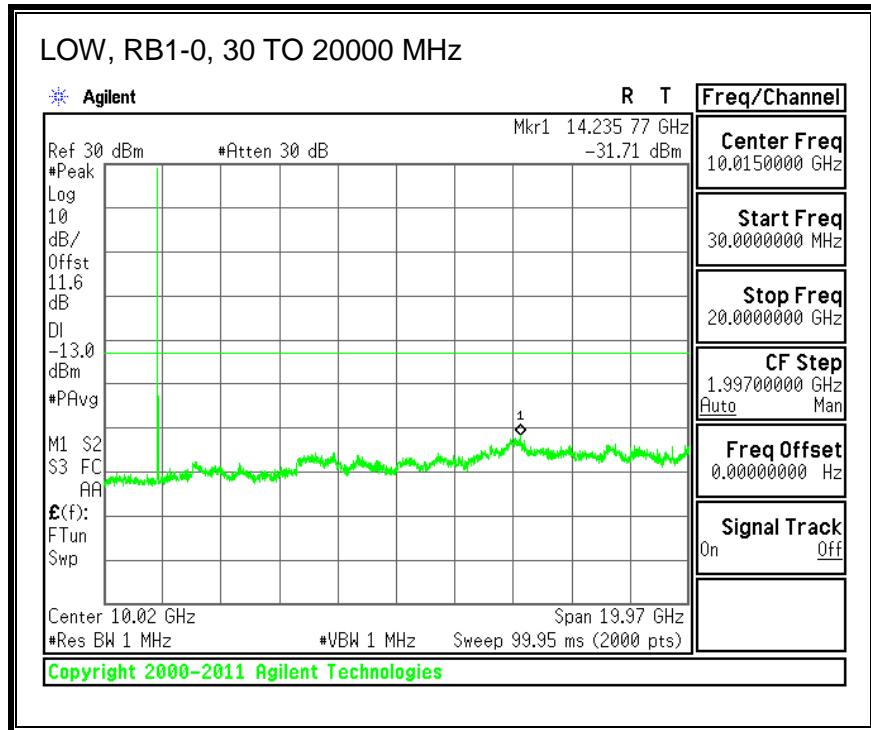


16QAM, (5.0 MHz BAND WIDTH)

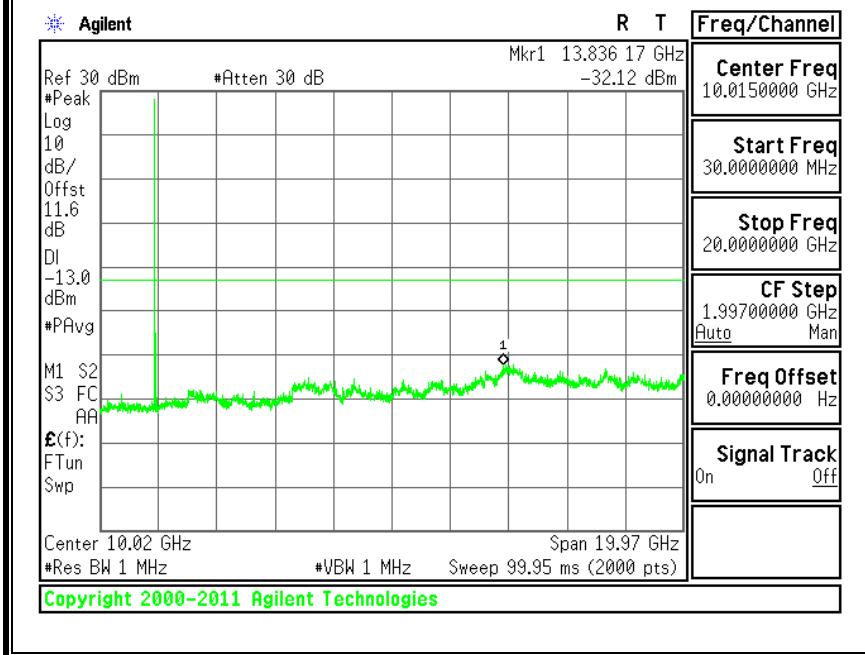




QPSK, (10.0 MHz BAND WIDTH)

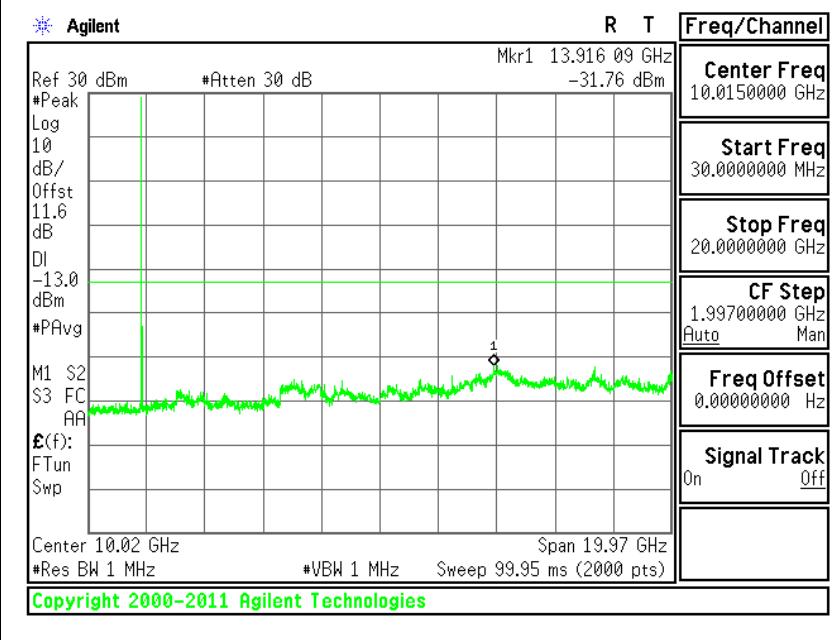


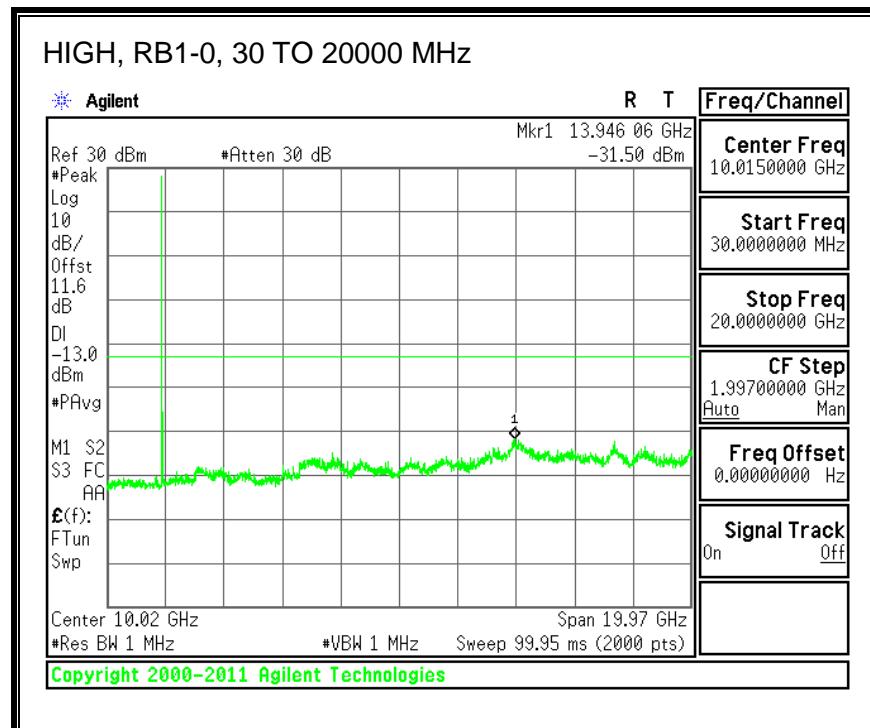
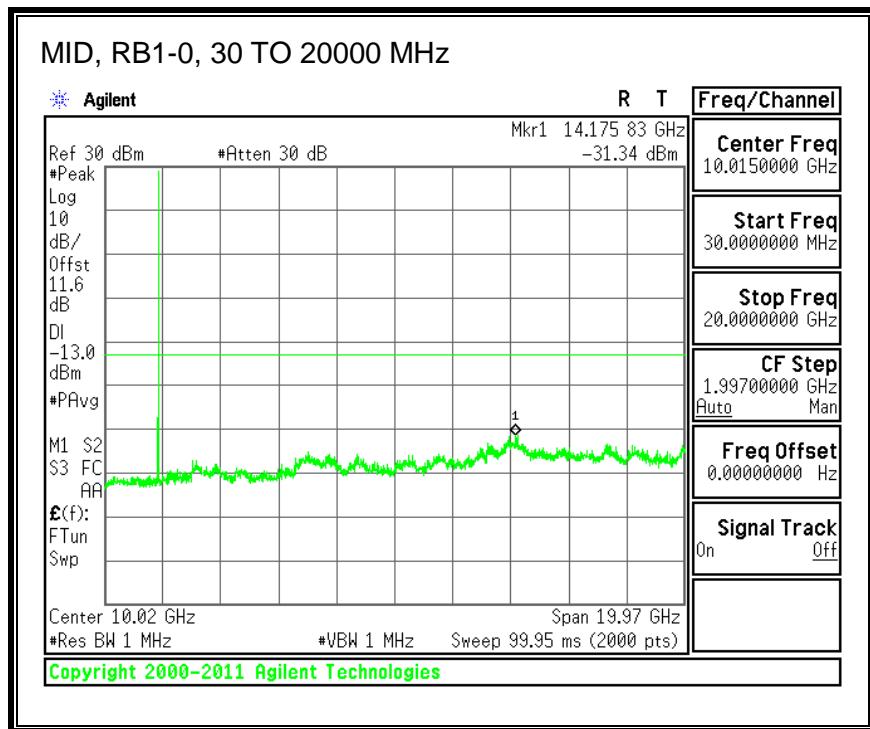
HIGH, RB1-0, 30 TO 20000 MHz



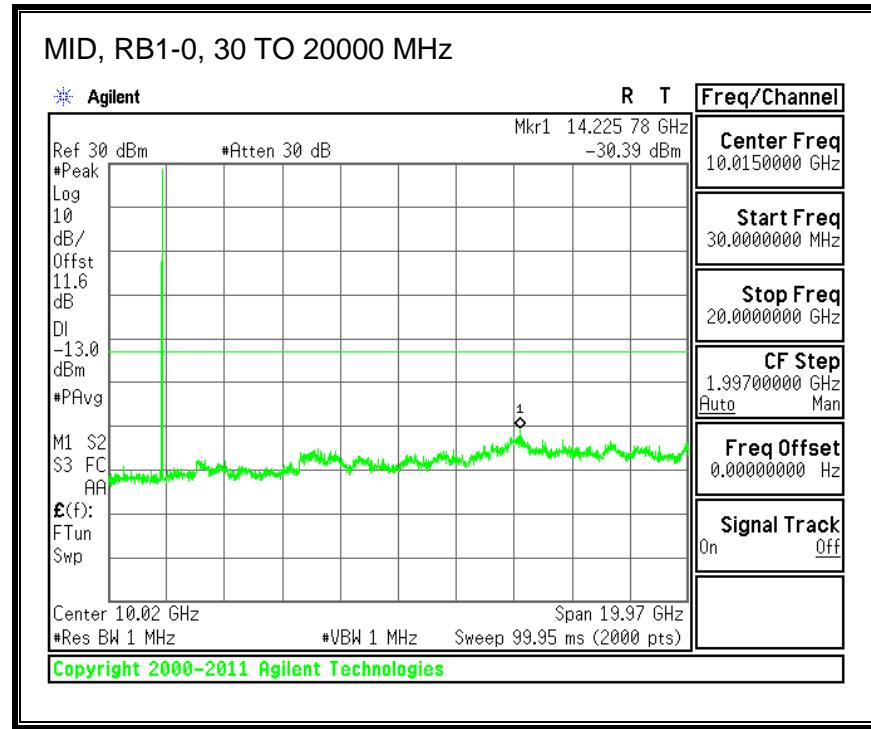
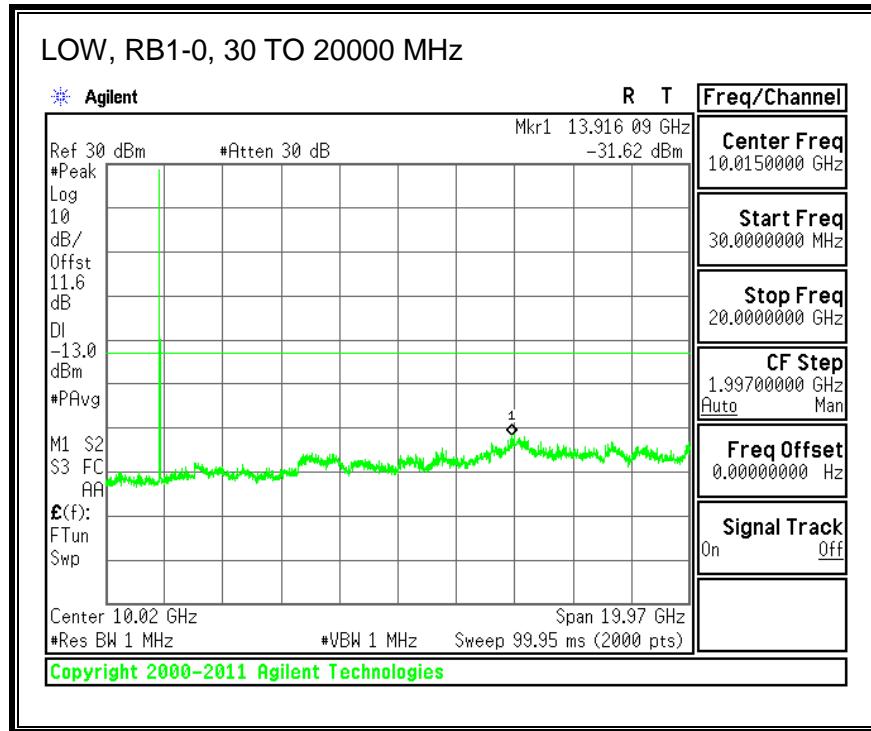
16QAM, (10.0 MHz BAND WIDTH)

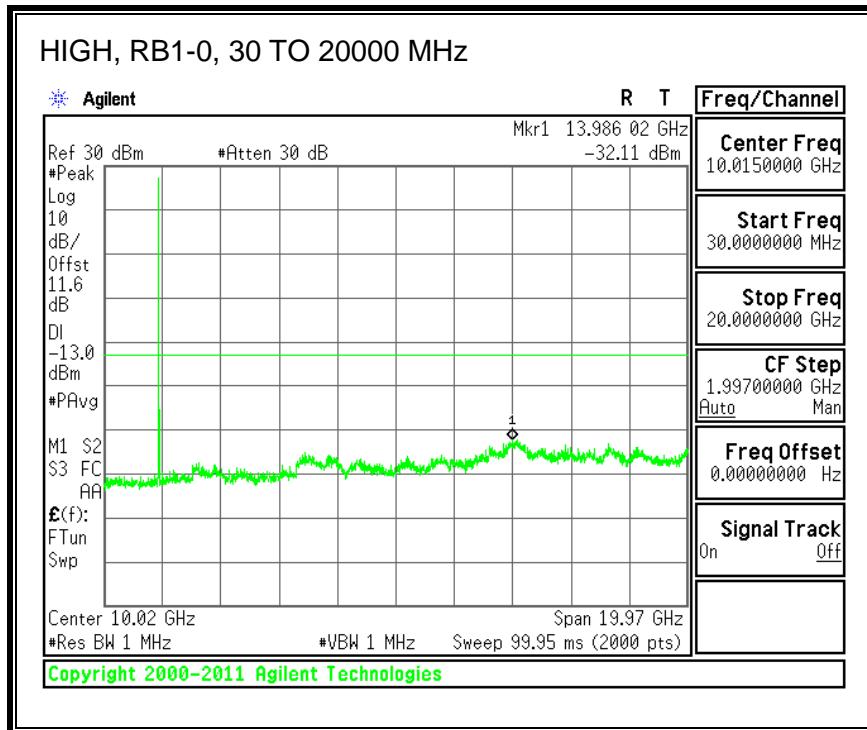
LOW, RB1-0, 30 TO 20000 MHz



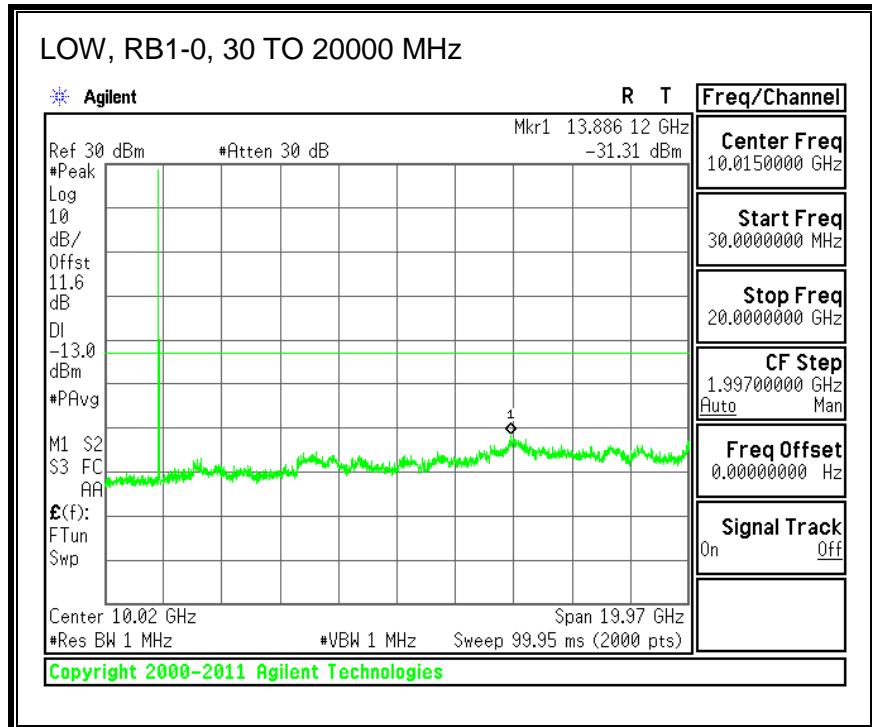


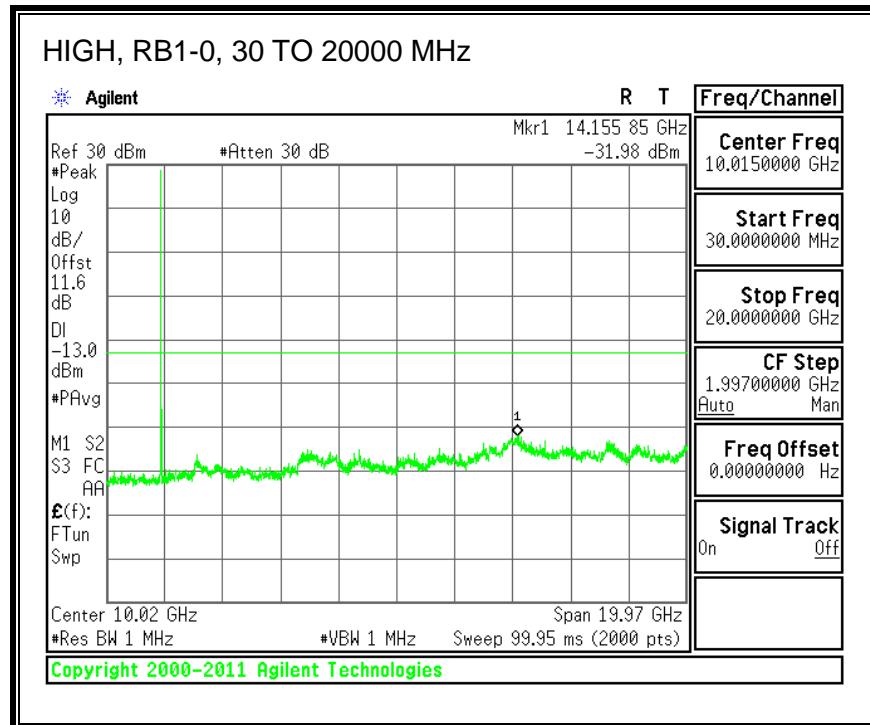
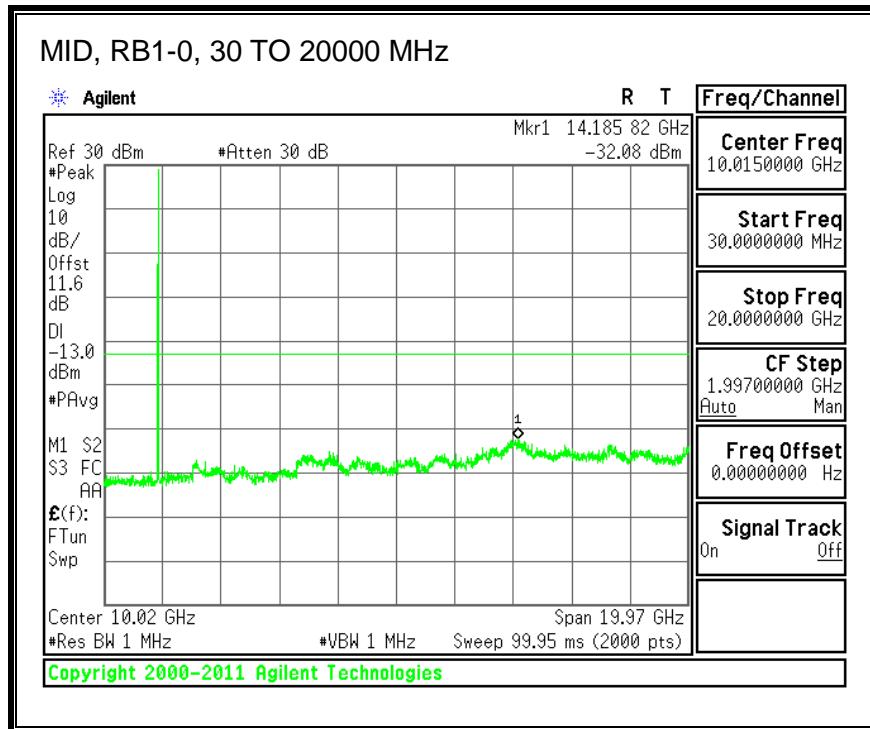
QPSK, (15.0 MHz BAND WIDTH)



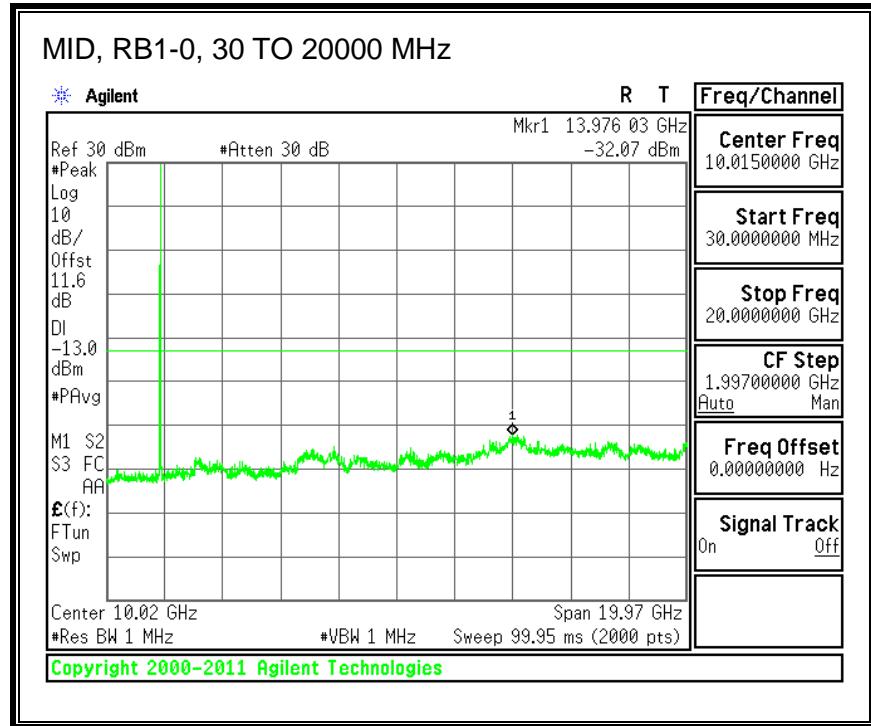
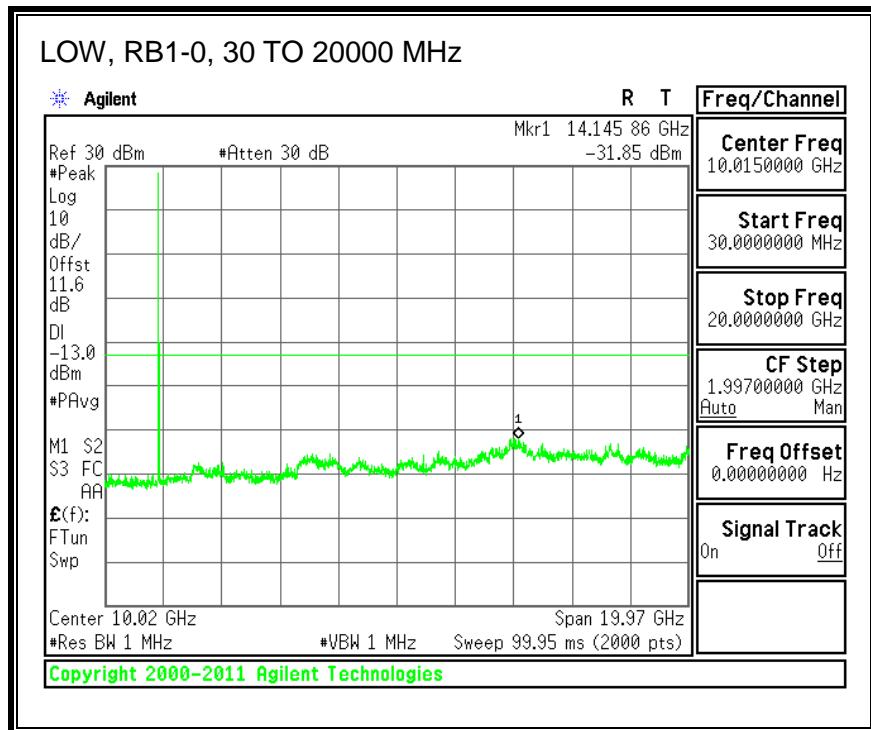


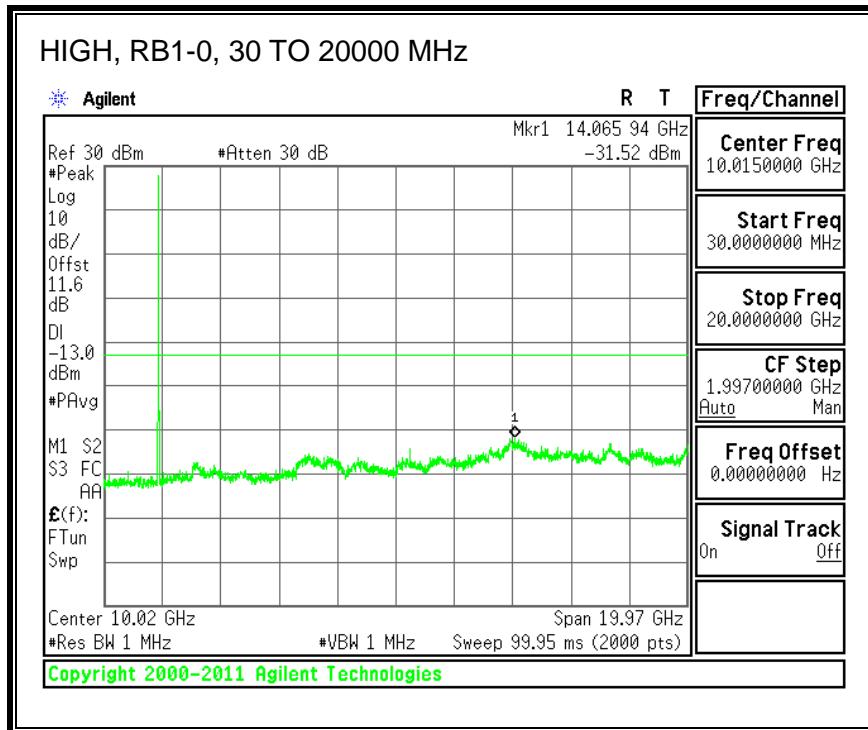
16QAM, (15.0 MHz BAND WIDTH)



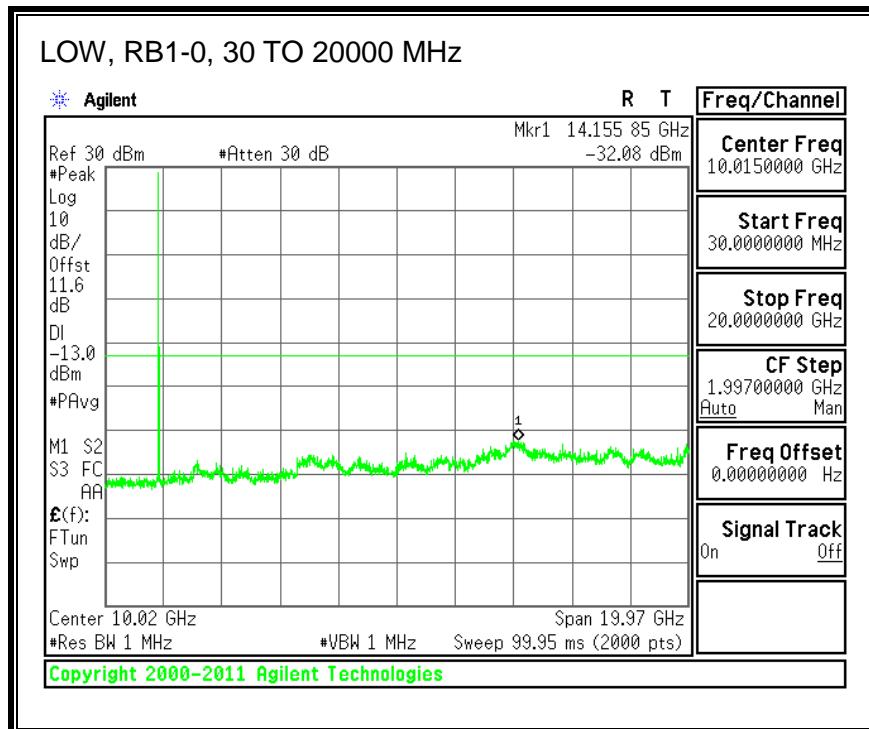


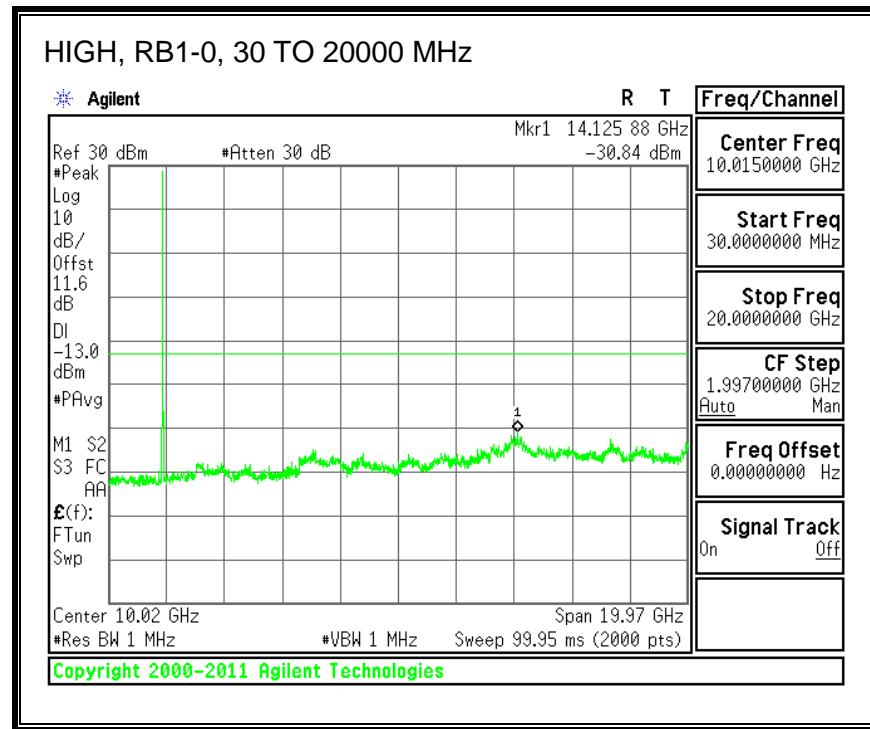
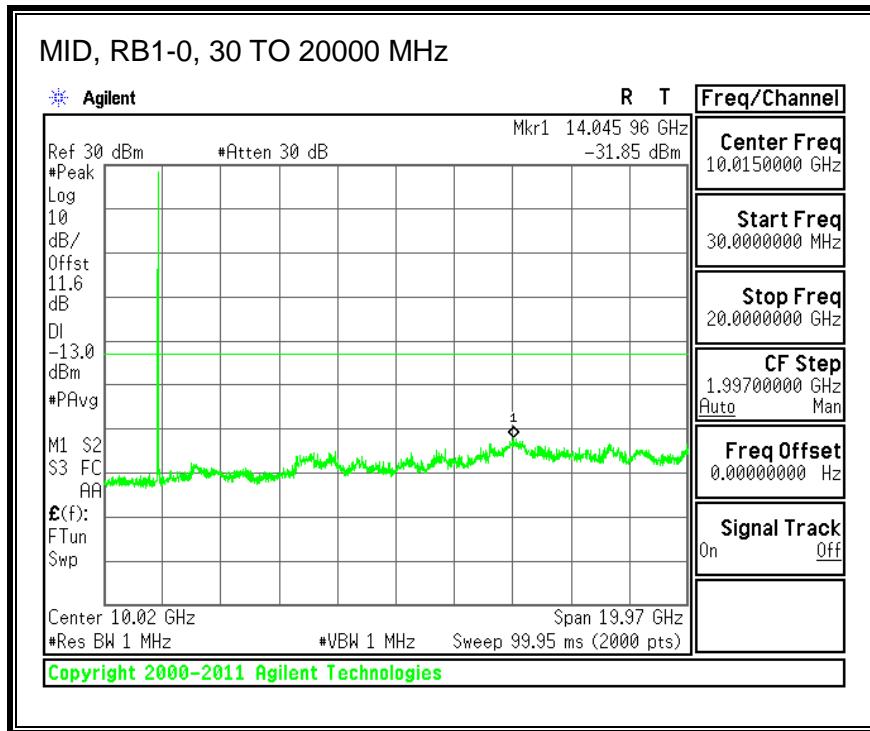
QPSK, (20.0 MHz BAND WIDTH)





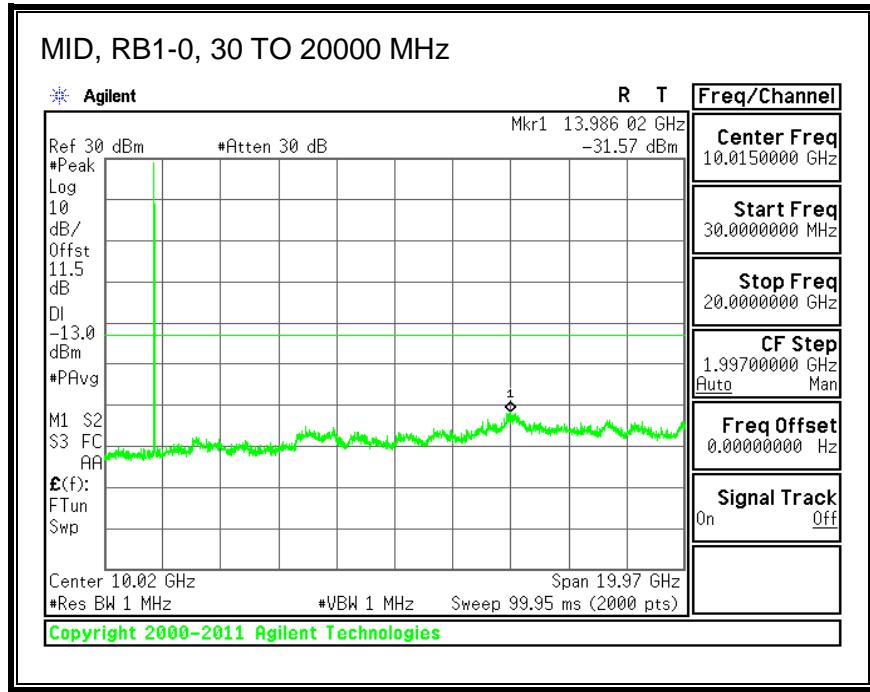
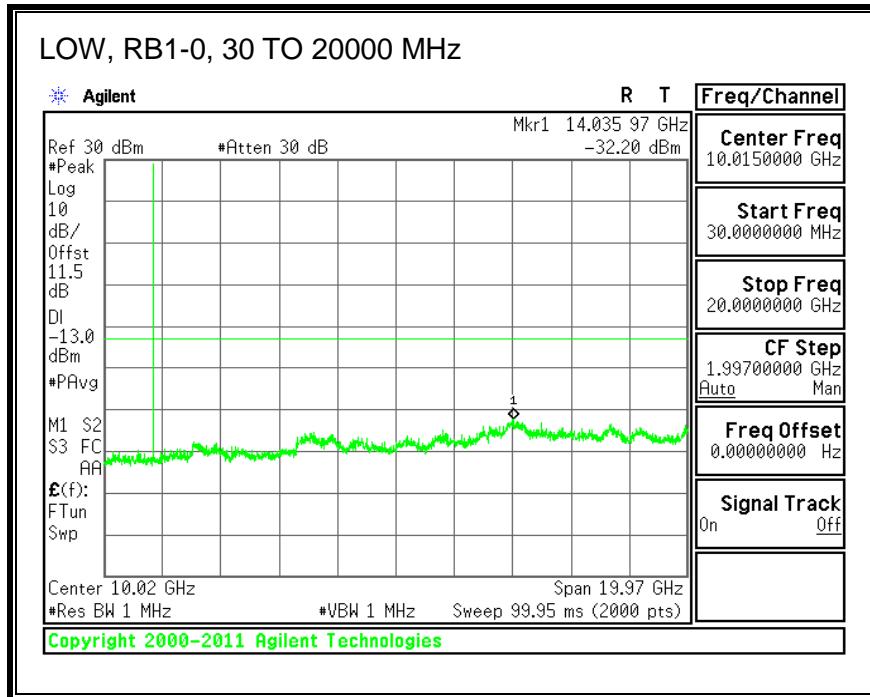
16QAM, (20.0 MHz BAND WIDTH)

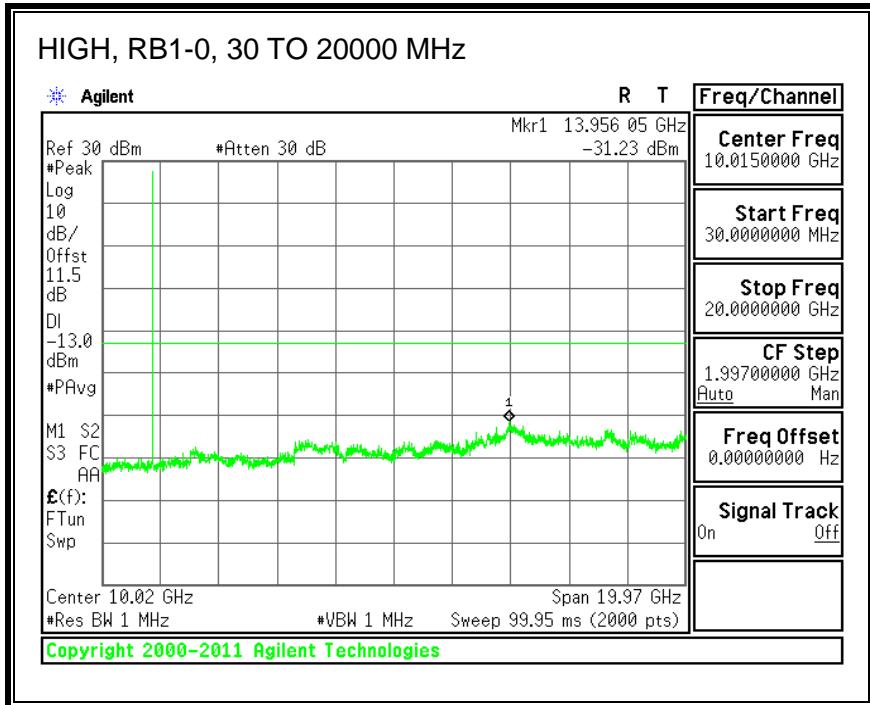




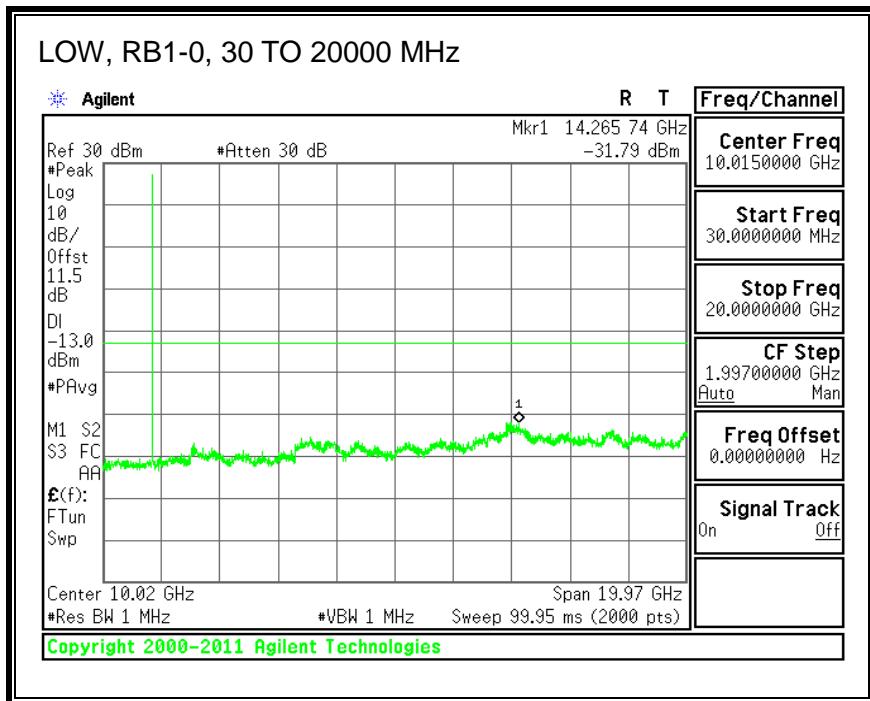
8.3.2. LTE BAND 4

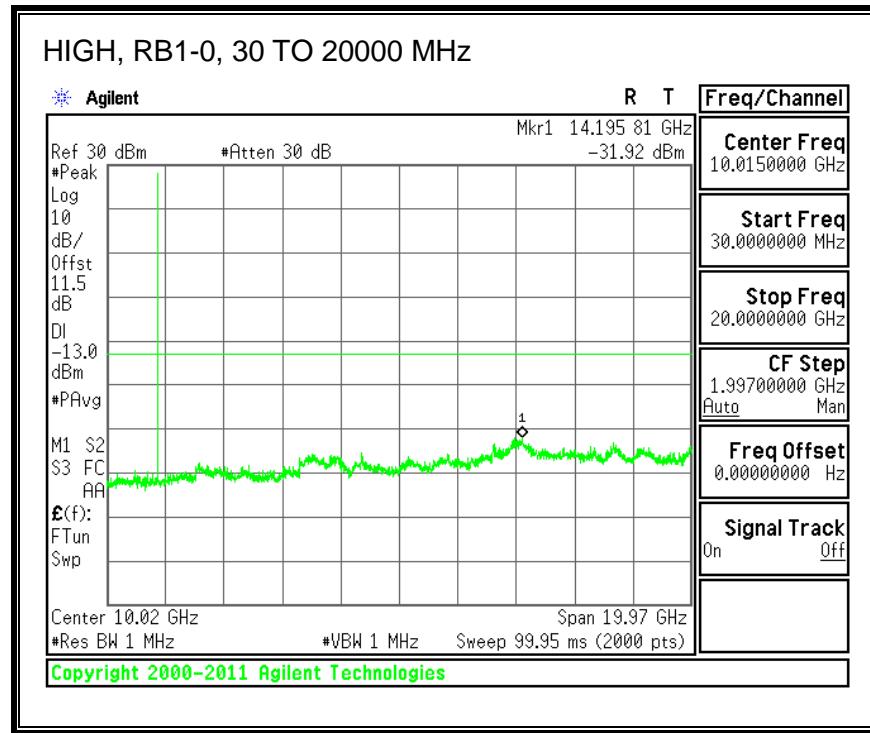
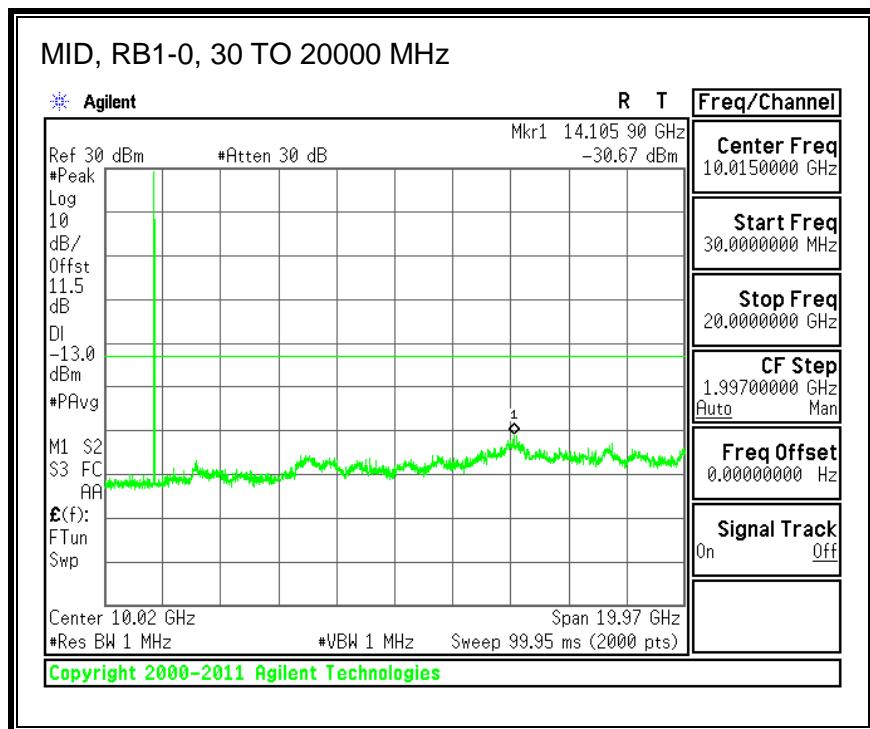
QPSK, (1.4 MHz BAND WIDTH)



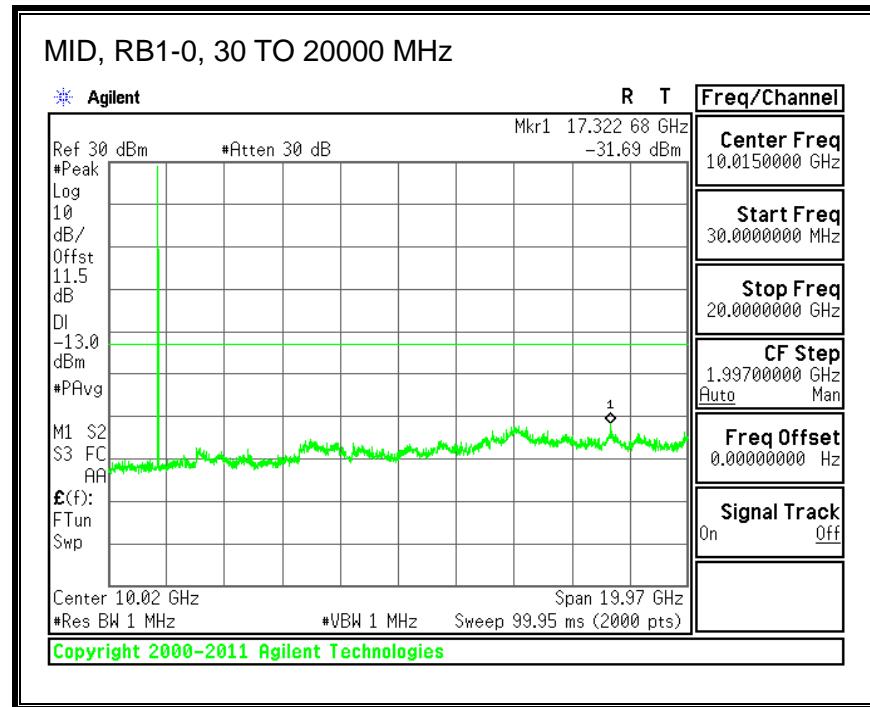
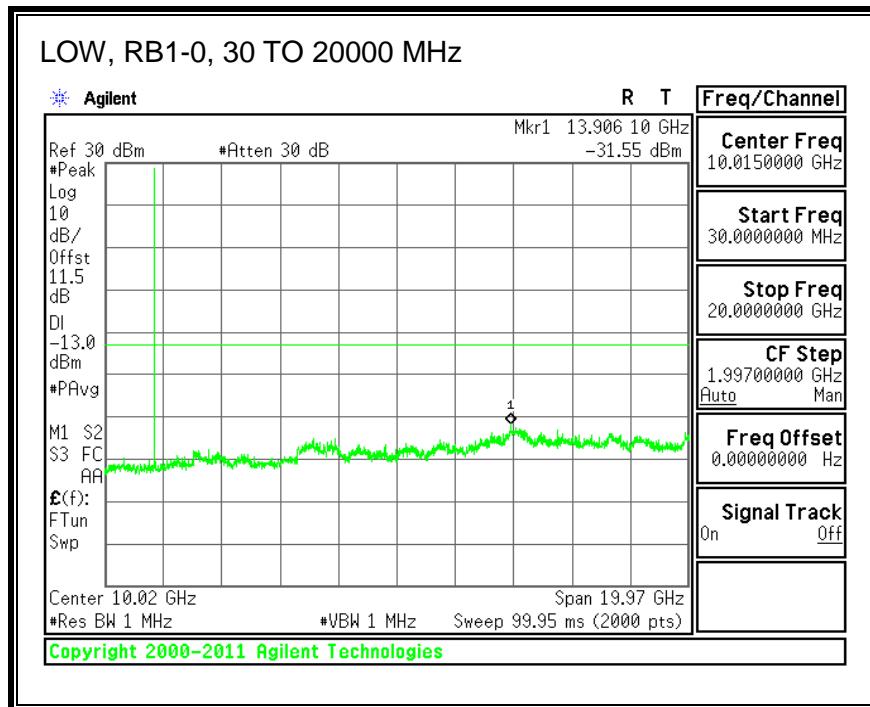


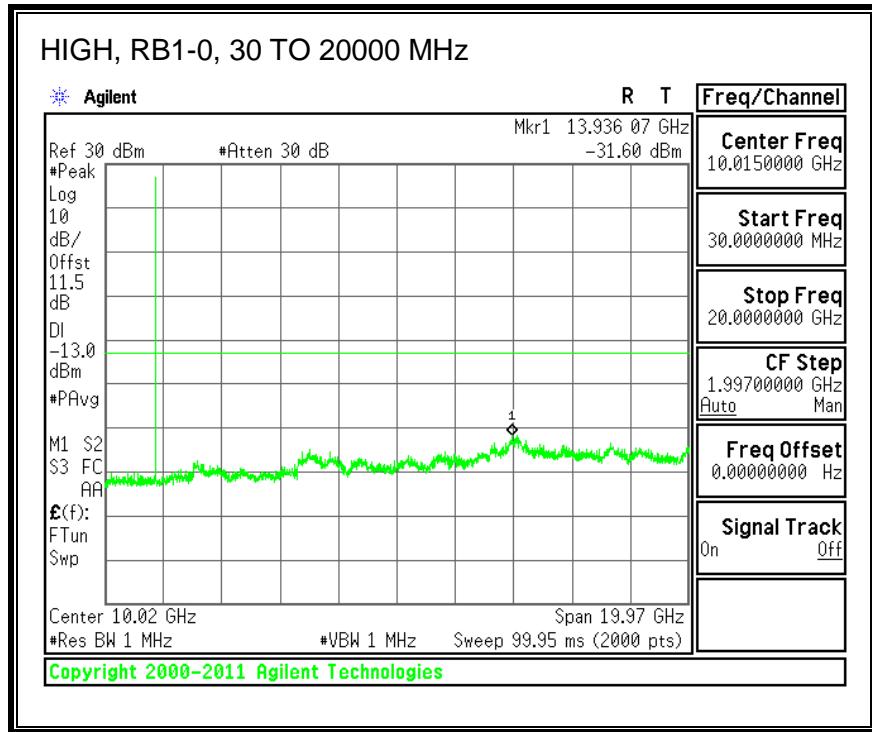
16QAM, (1.4 MHz BAND WIDTH)



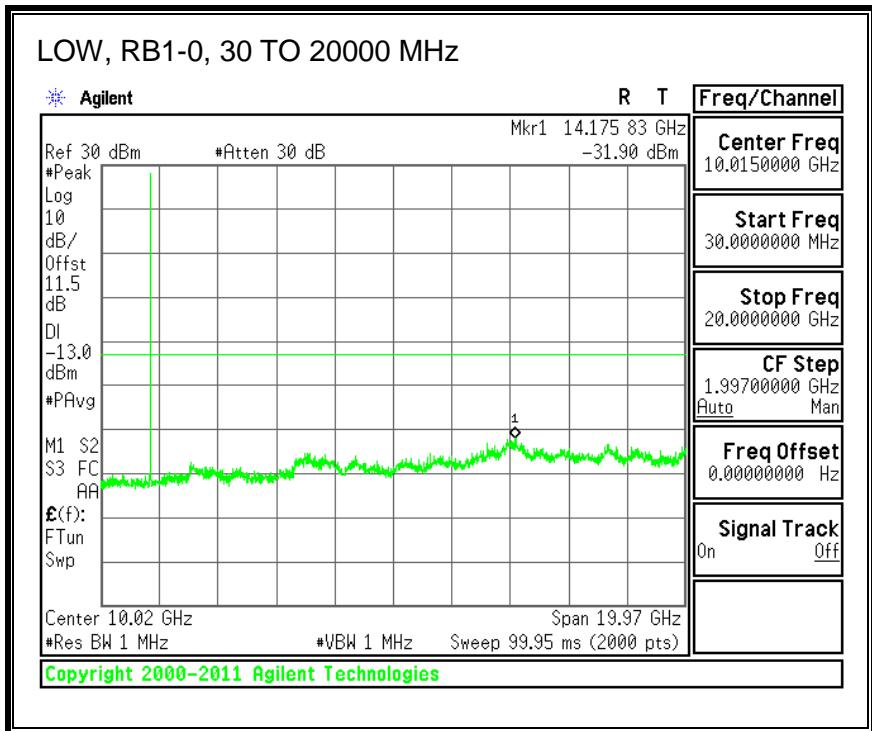


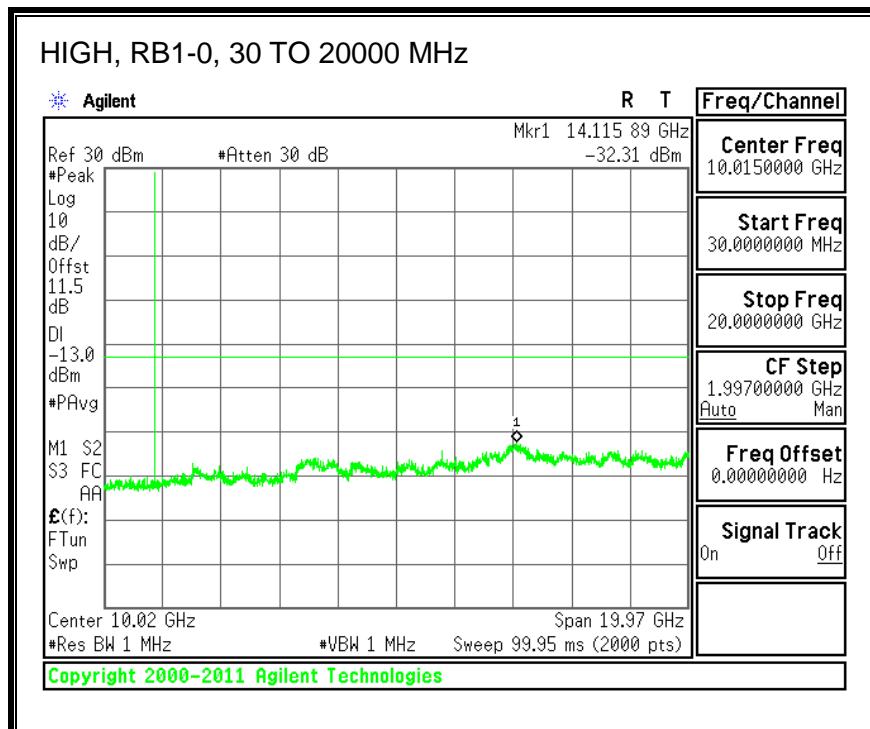
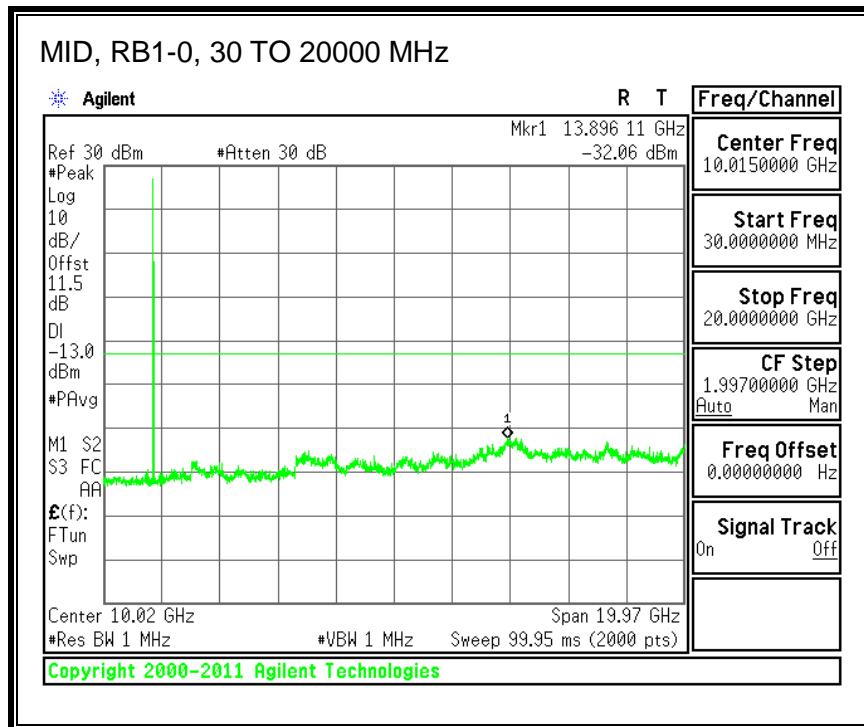
QPSK, (3.0 MHz BAND WIDTH)



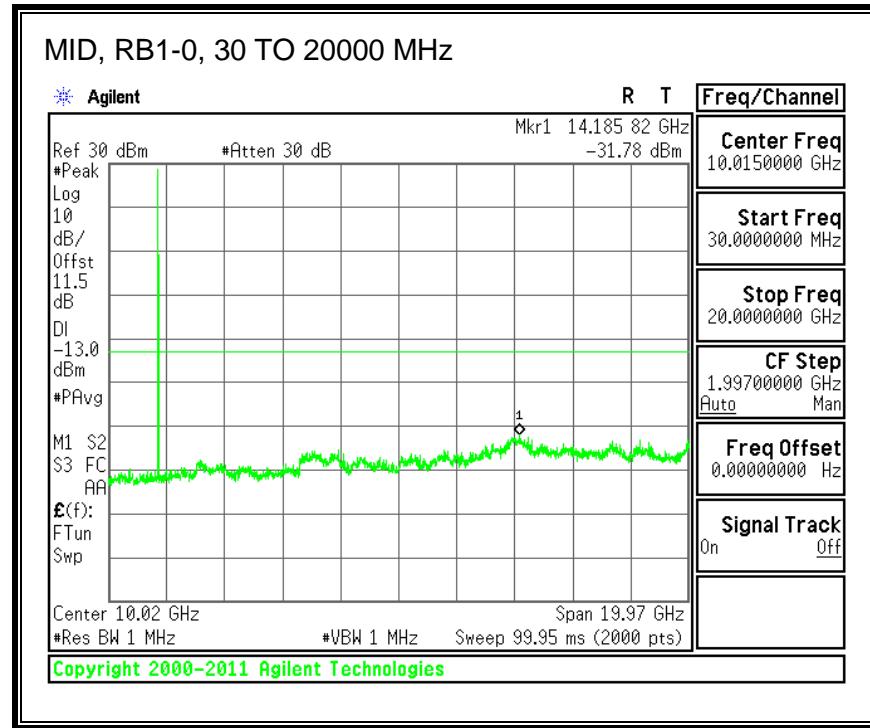
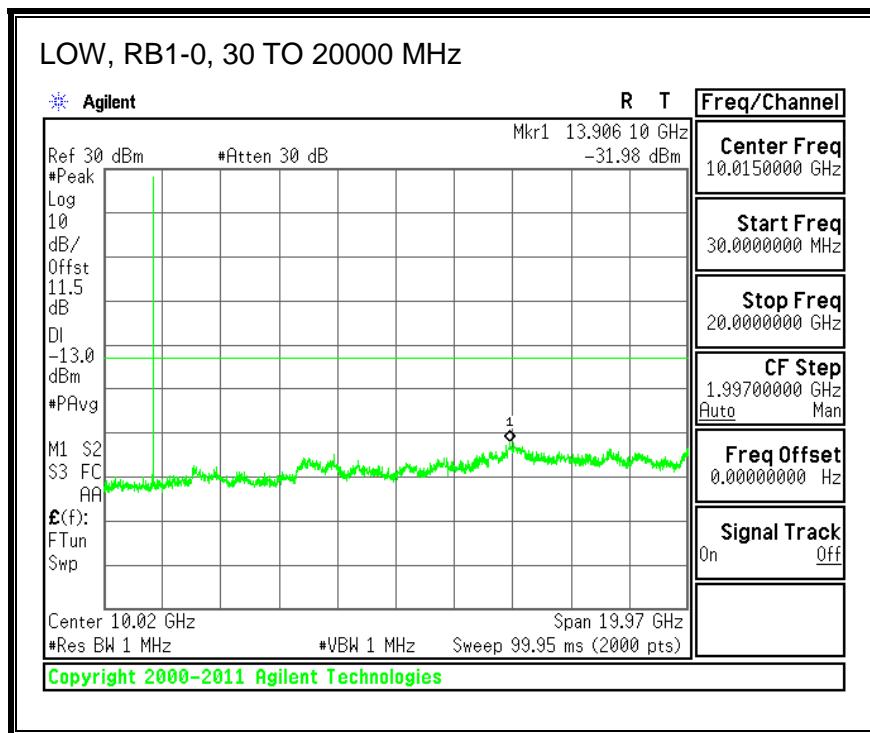


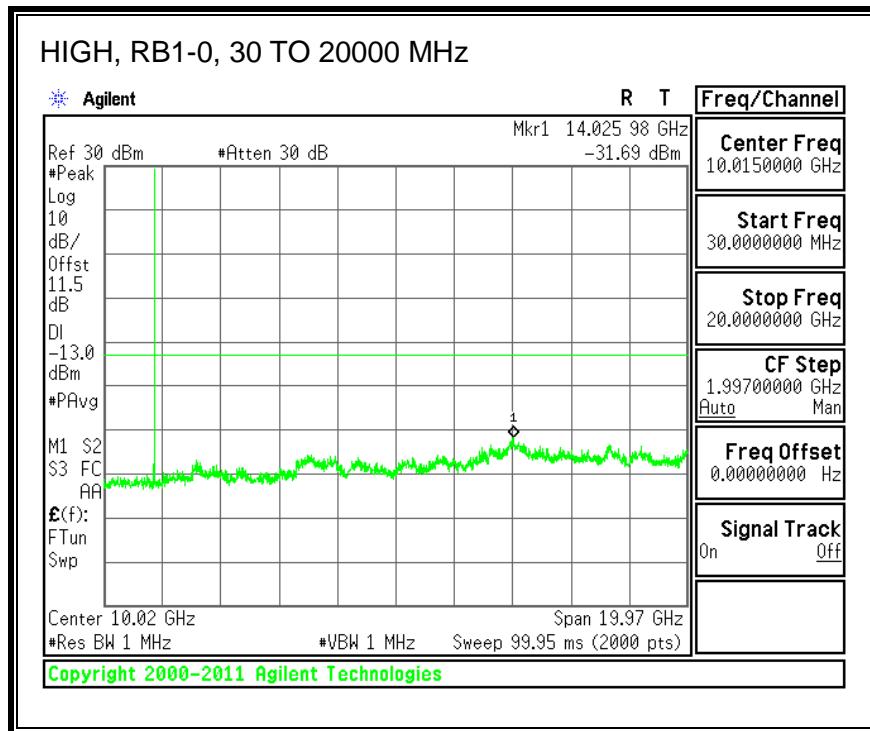
16QAM, (3.0 MHz BAND WIDTH)



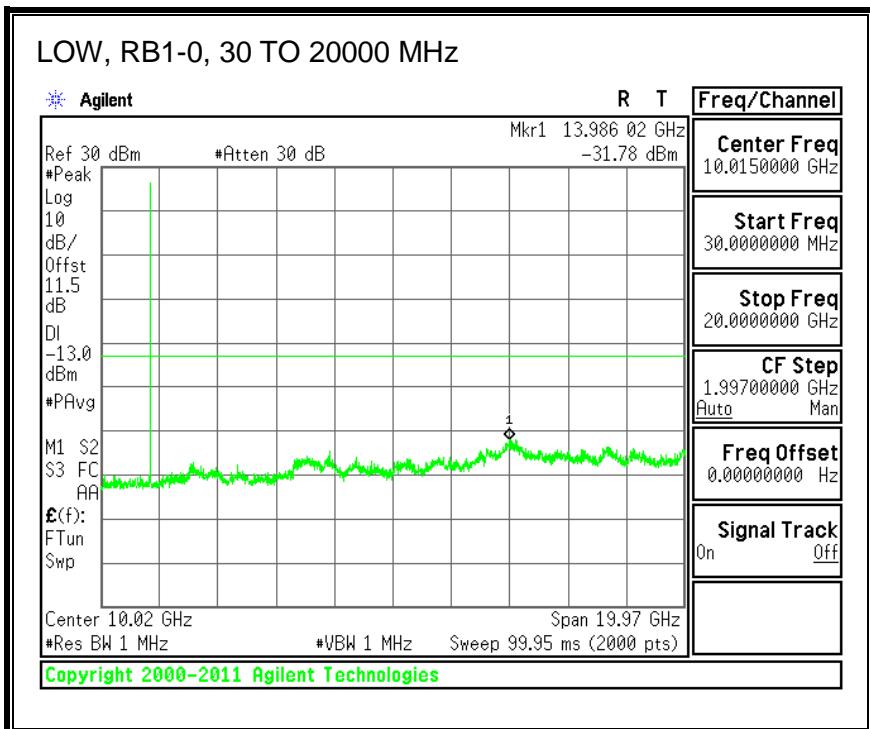


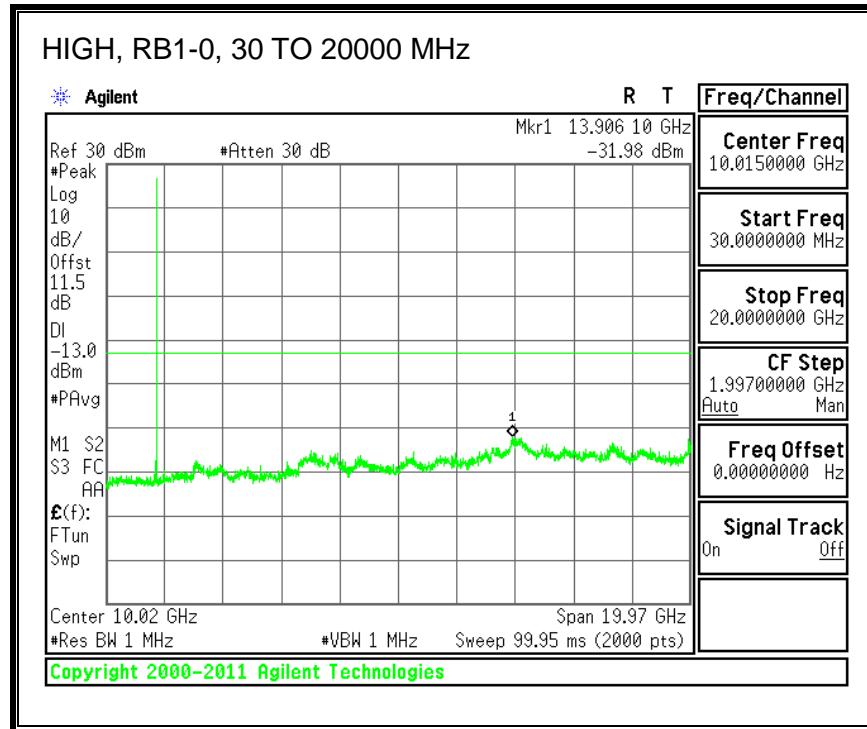
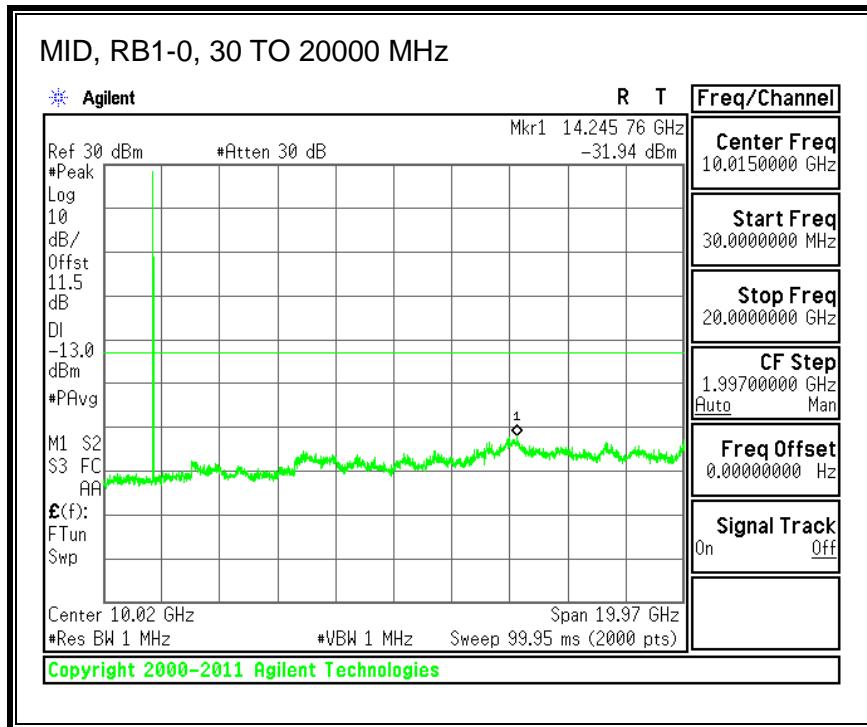
QPSK, (5.0 MHz BAND WIDTH)



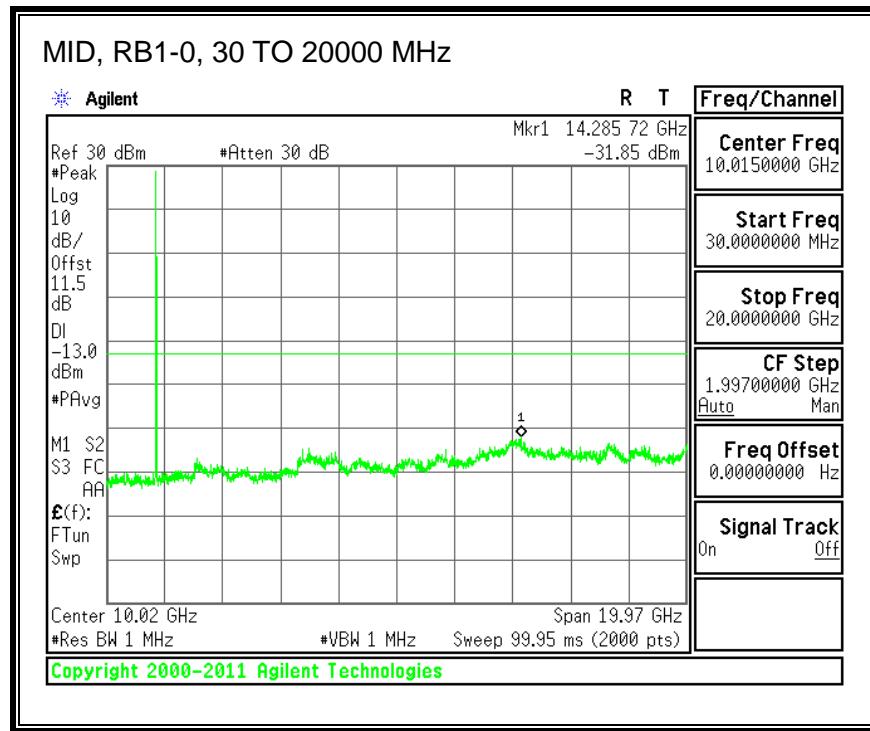
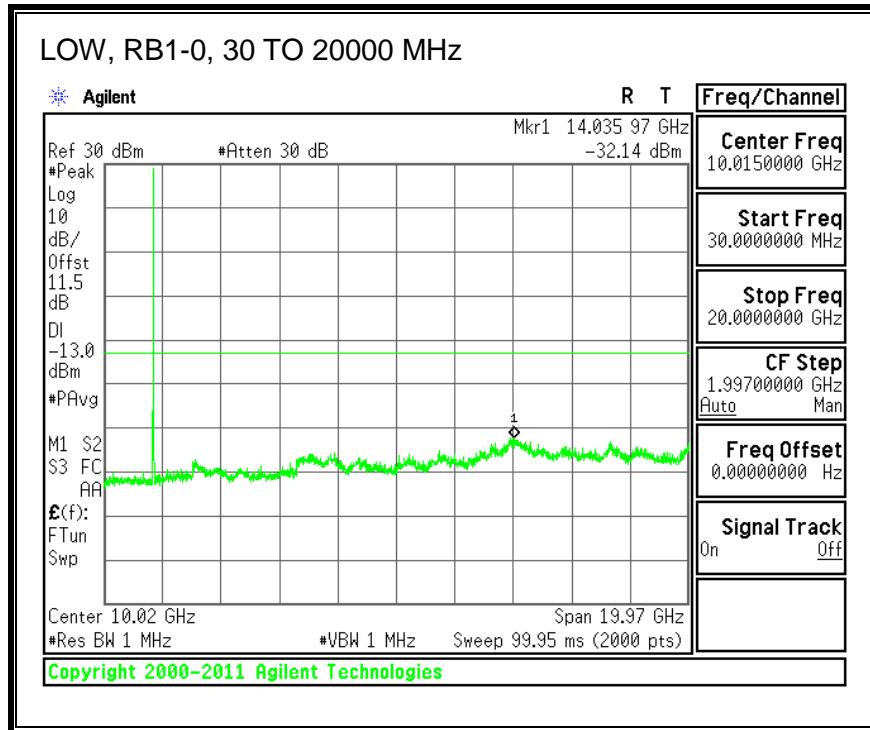


16QAM, (5.0 MHz BAND WIDTH)

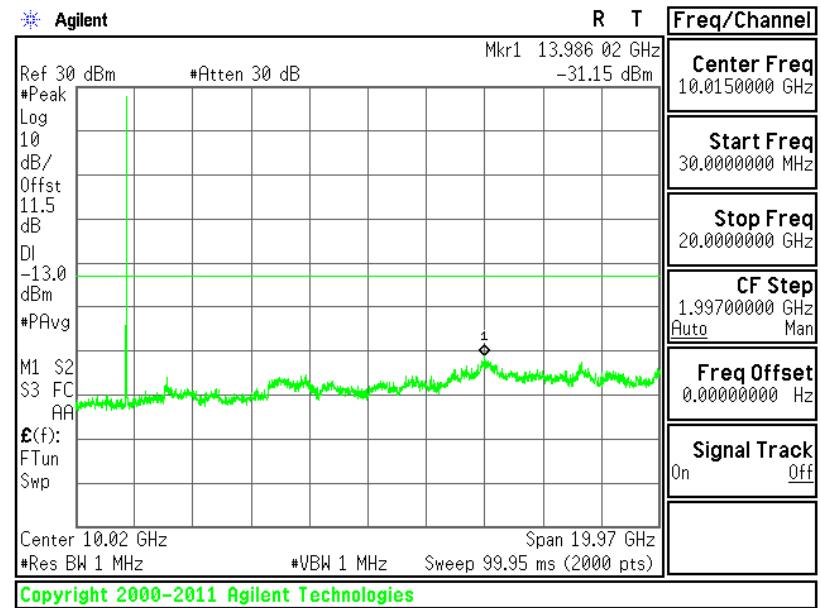




QPSK, (10.0 MHz BAND WIDTH)

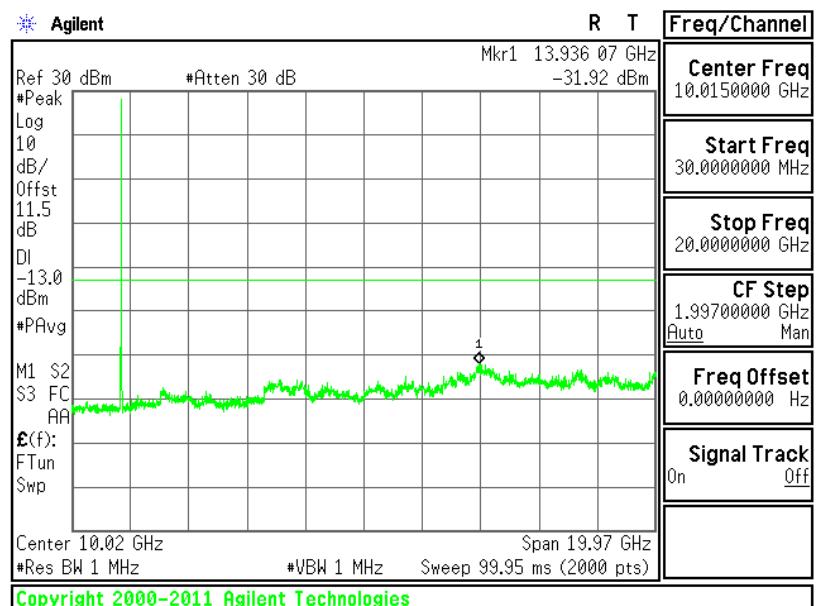


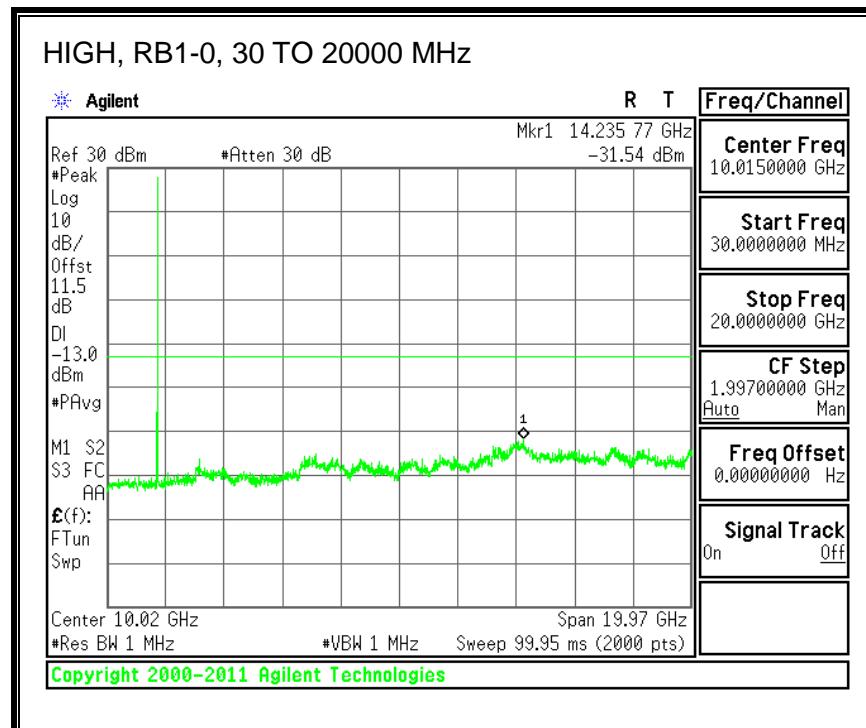
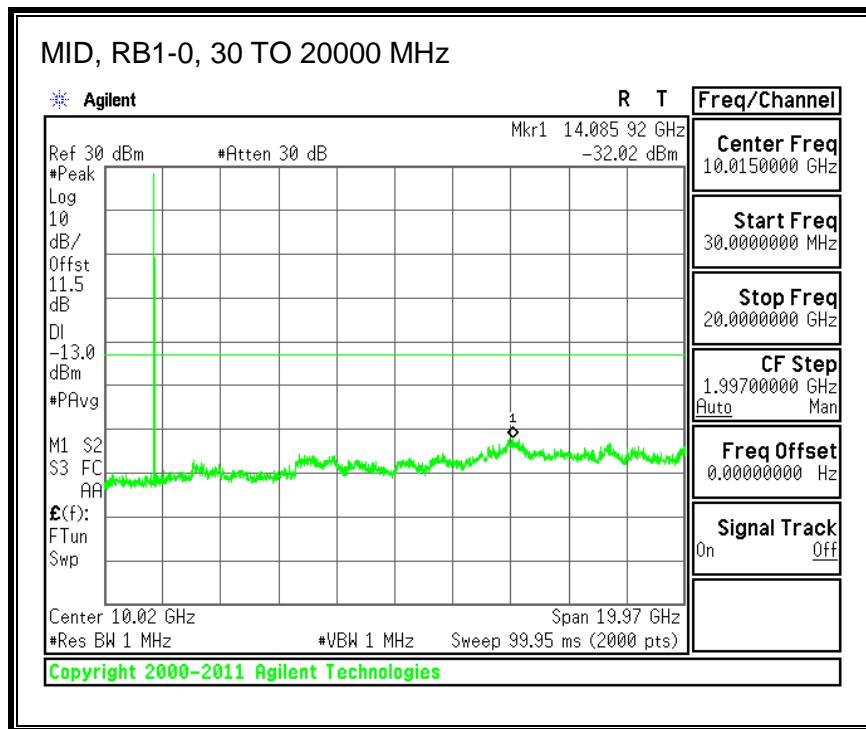
HIGH, RB1-0, 30 TO 20000 MHz



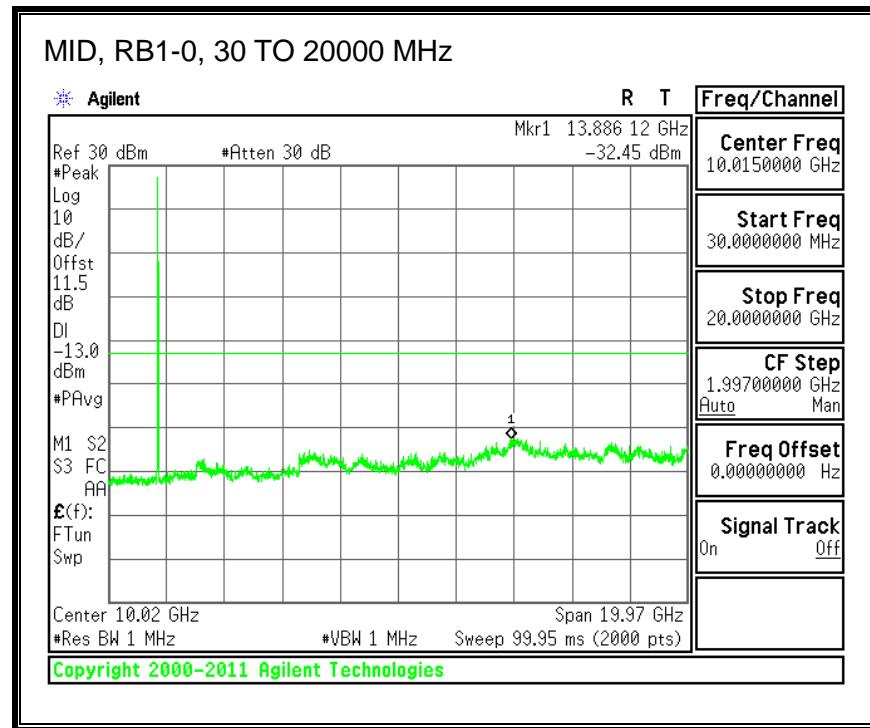
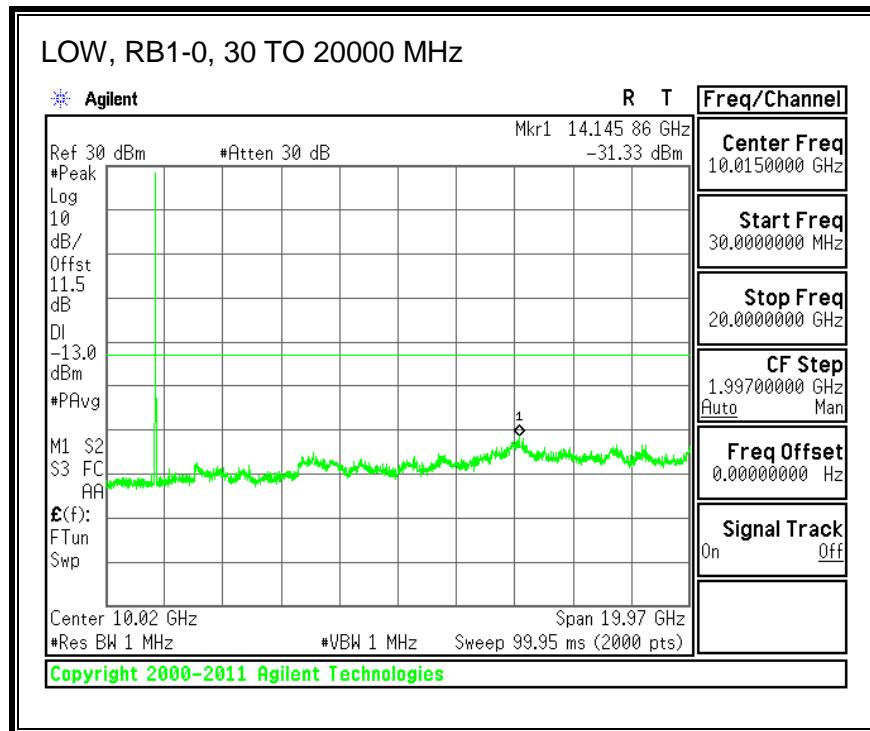
16QAM, (10.0 MHz BAND WIDTH)

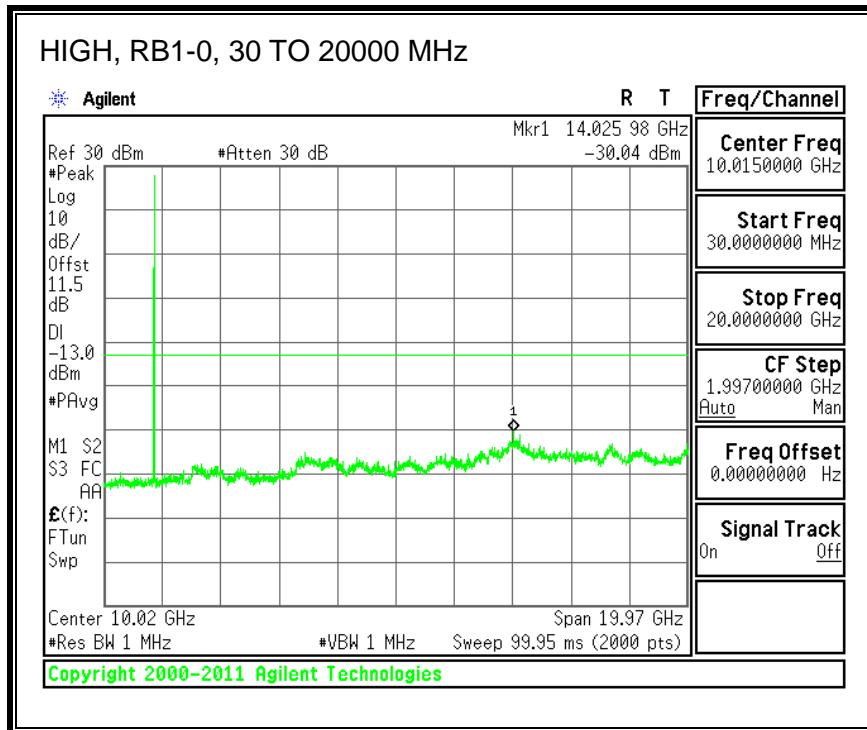
LOW, RB1-0, 30 TO 20000 MHz



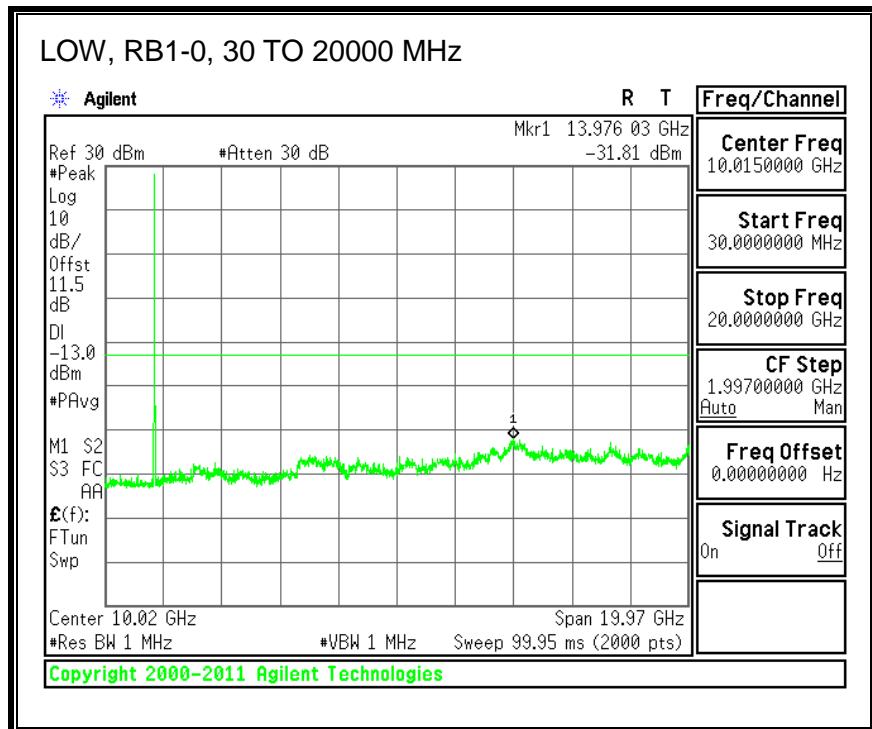


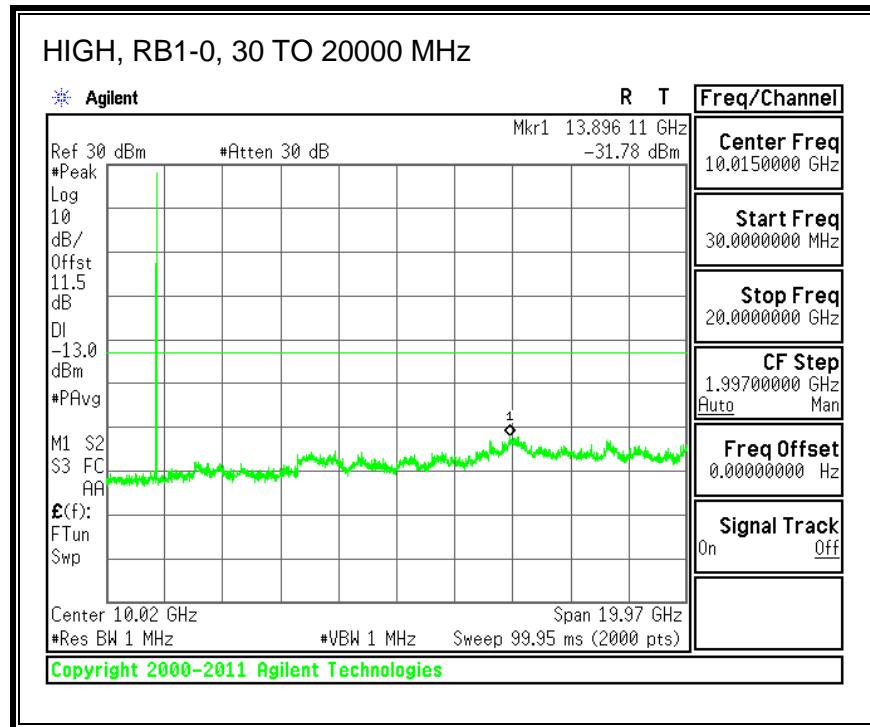
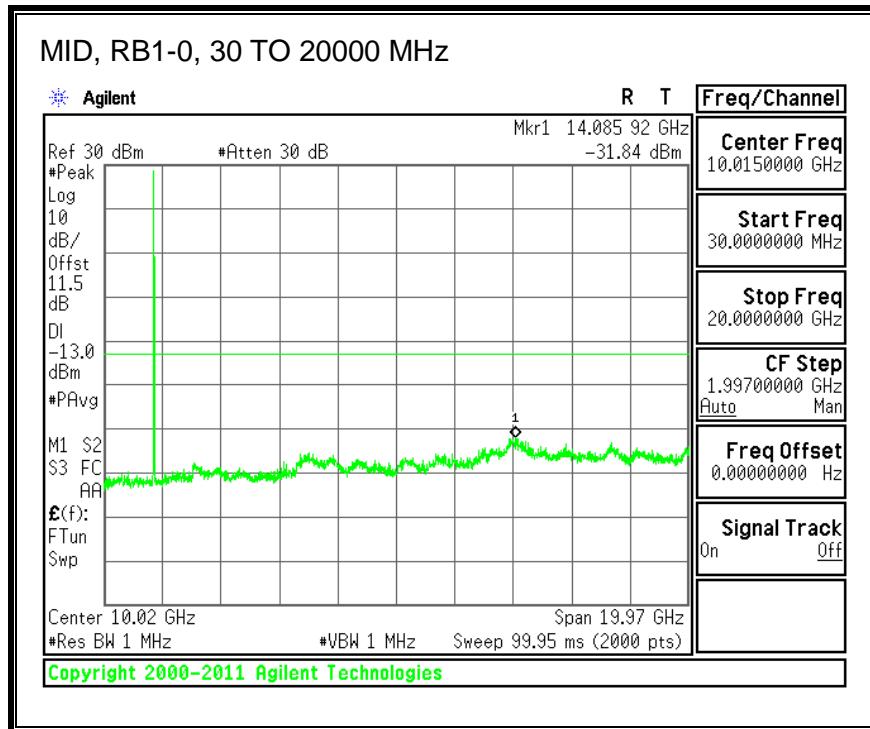
QPSK, (15.0 MHz BAND WIDTH)



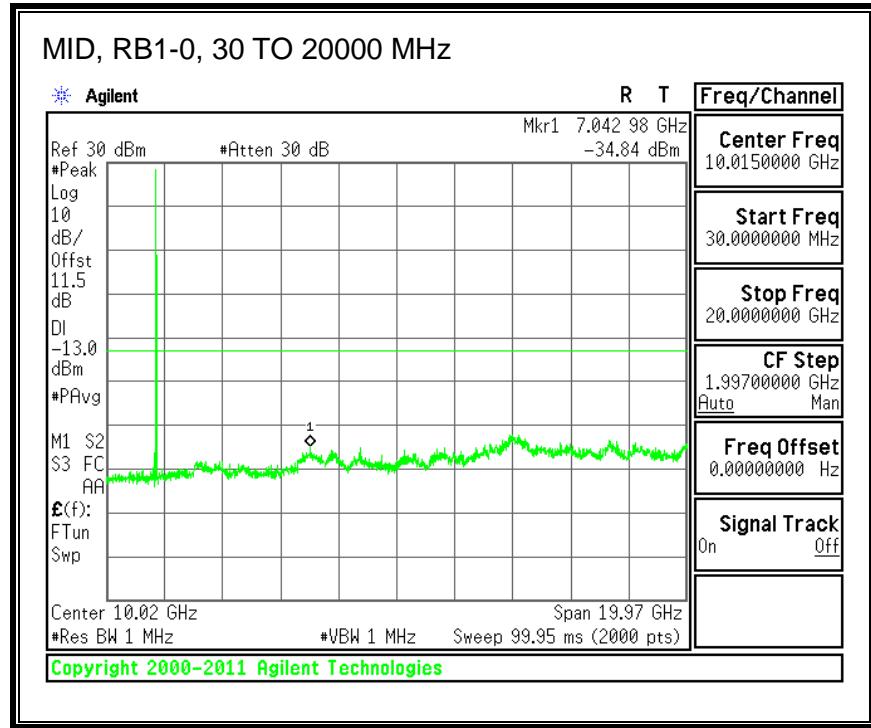
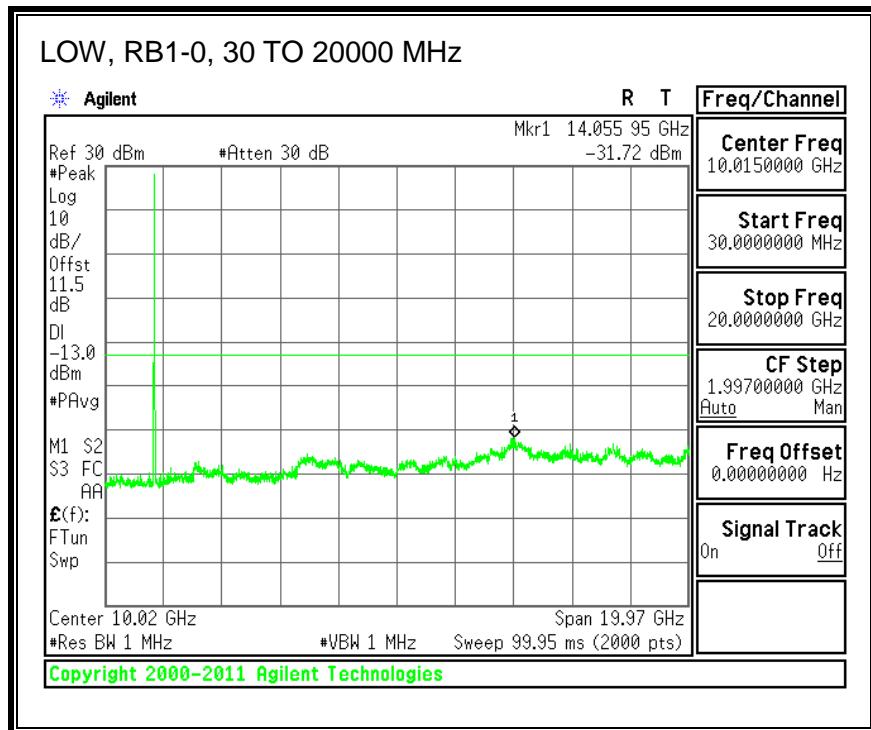


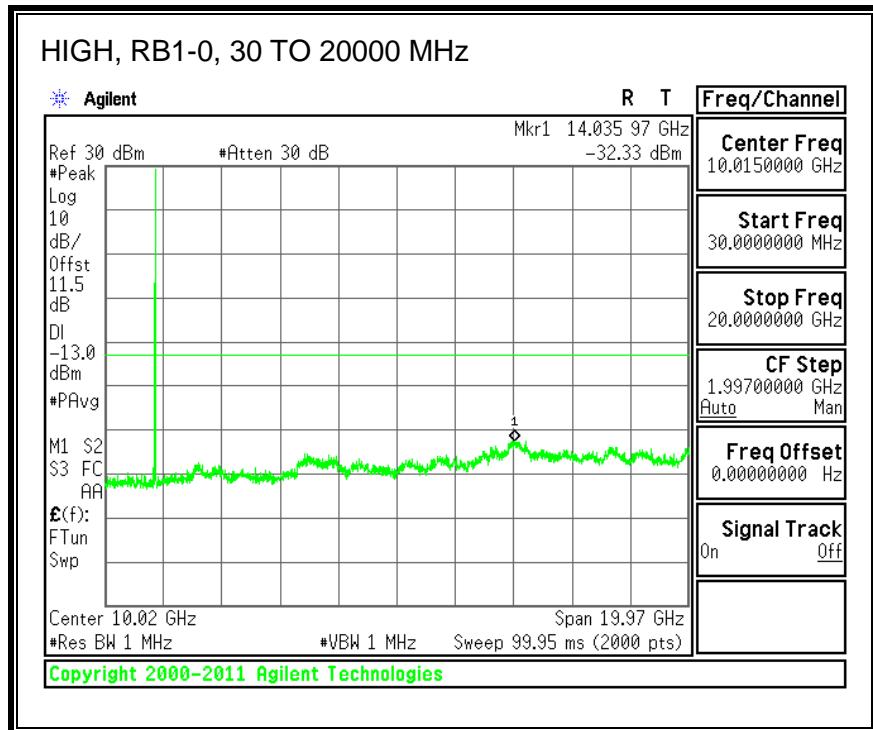
16QAM, (15.0 MHz BAND WIDTH)



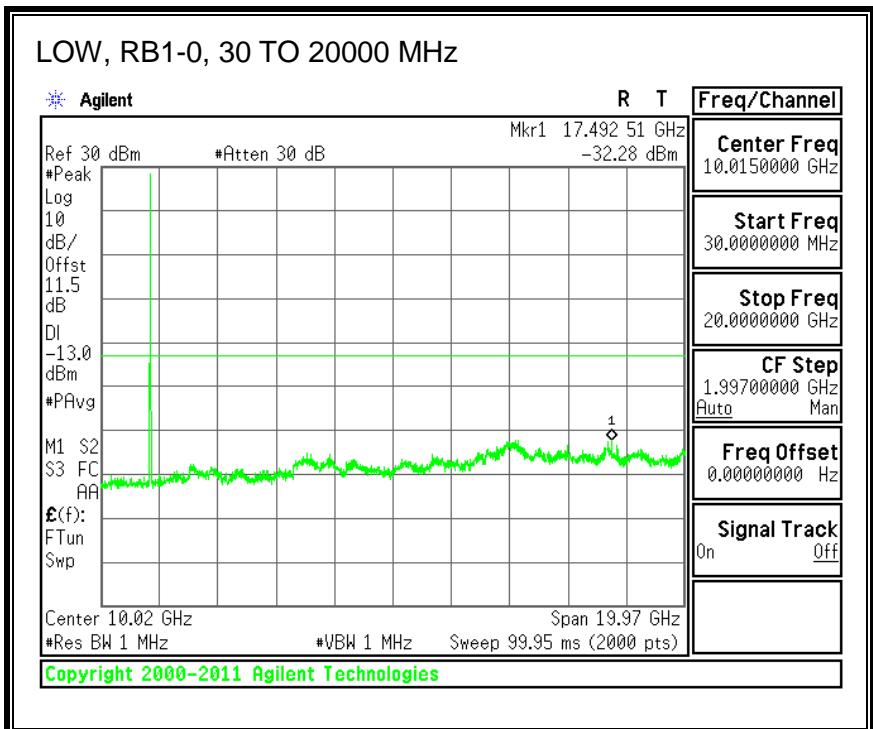


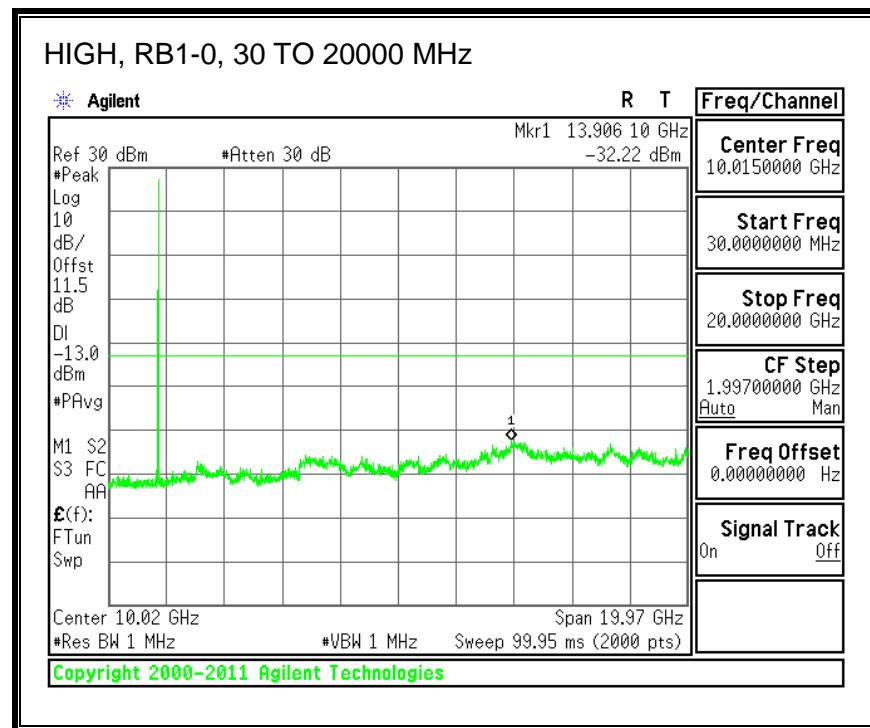
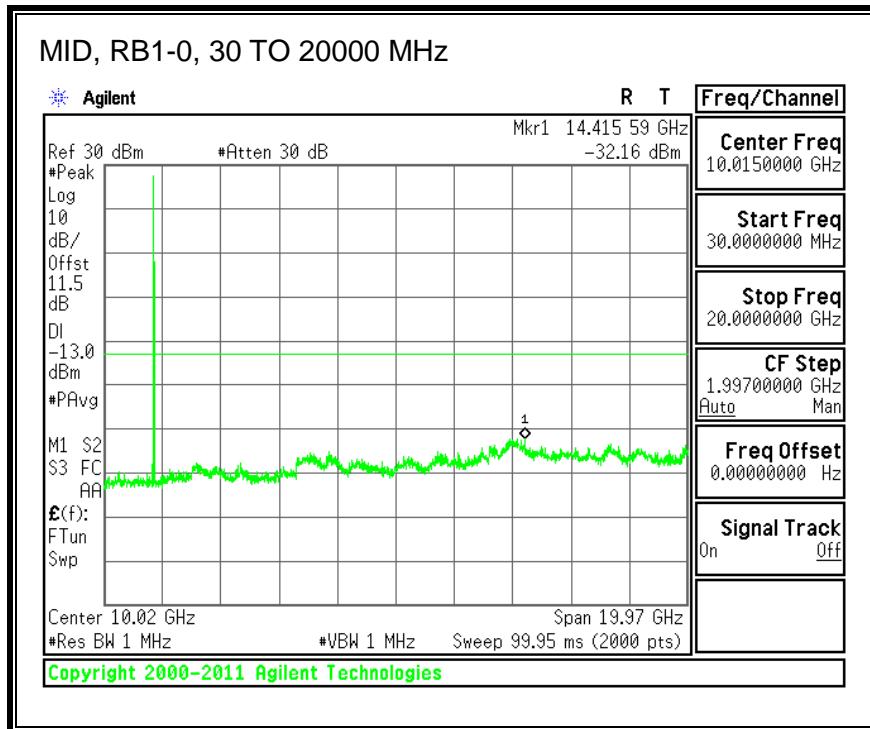
QPSK, (20.0 MHz BAND WIDTH)





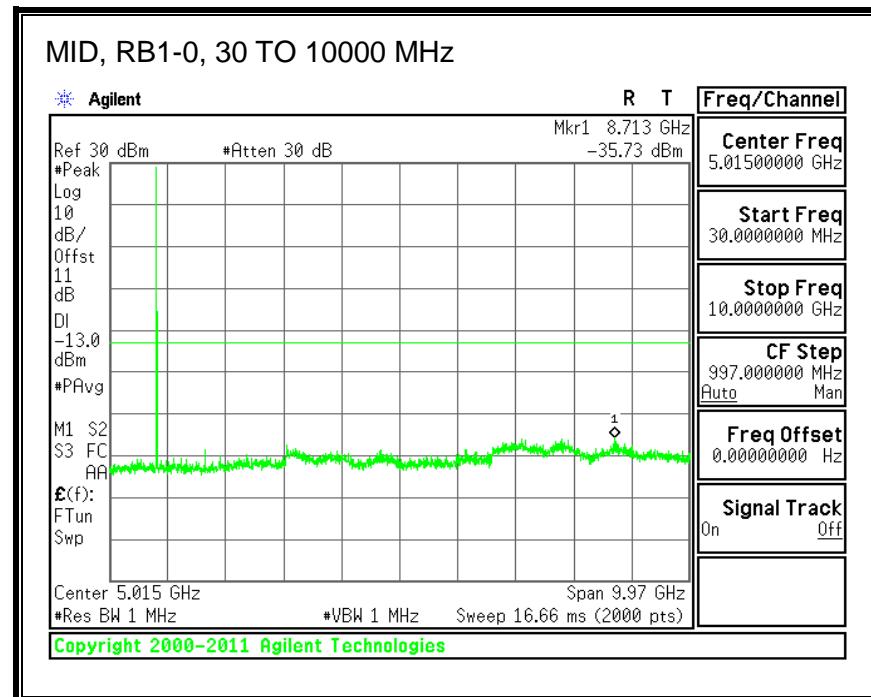
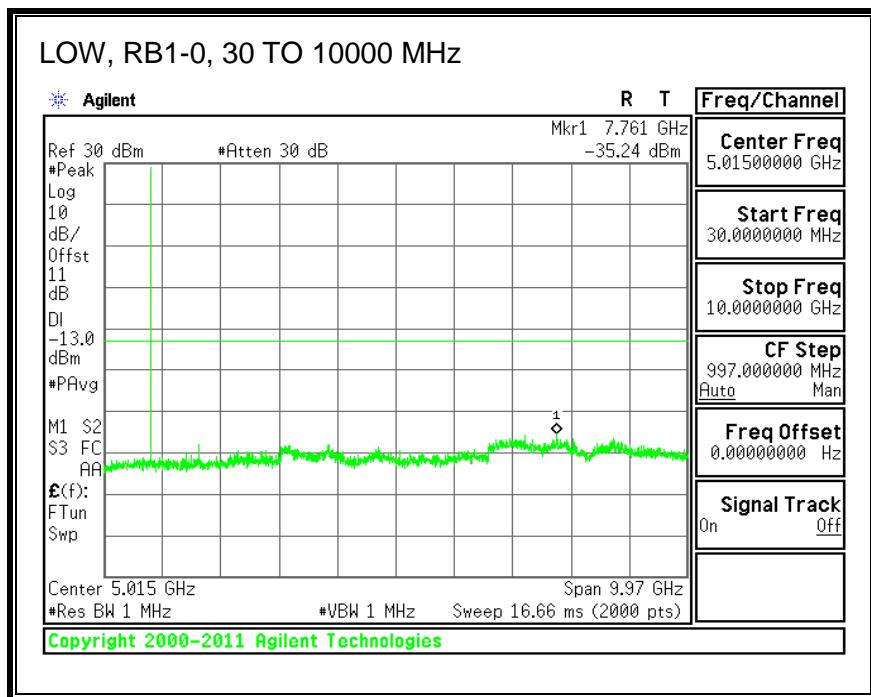
16QAM, (20.0 MHz BAND WIDTH)

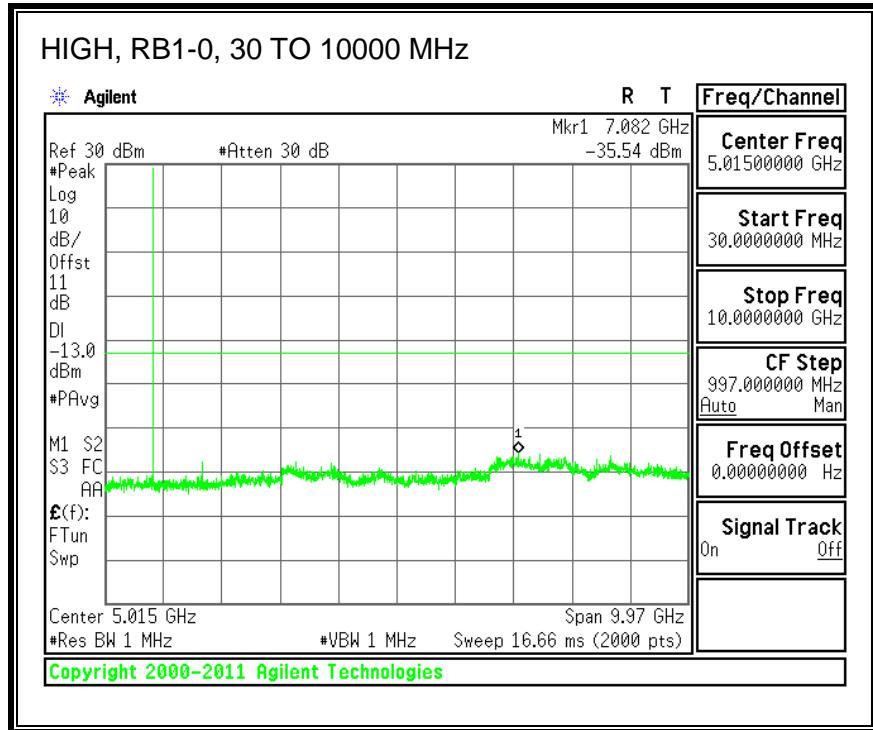




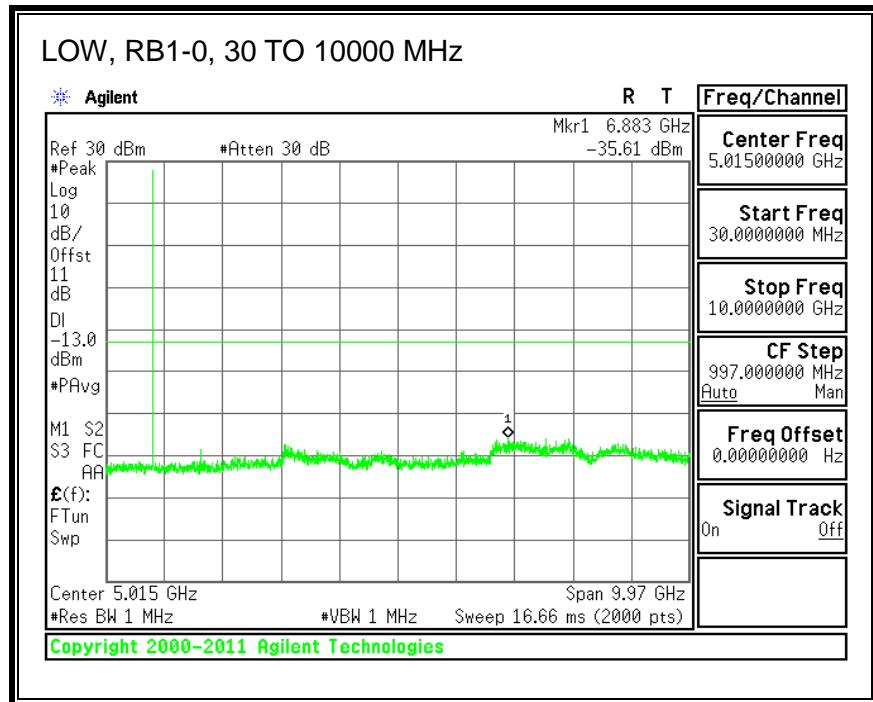
8.3.3. LTE BAND 5

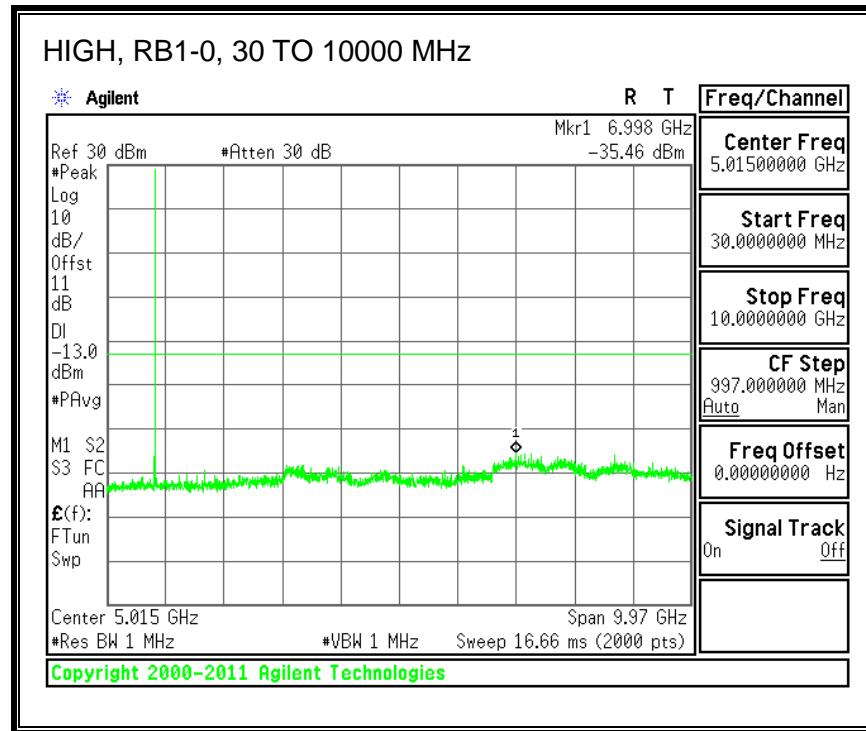
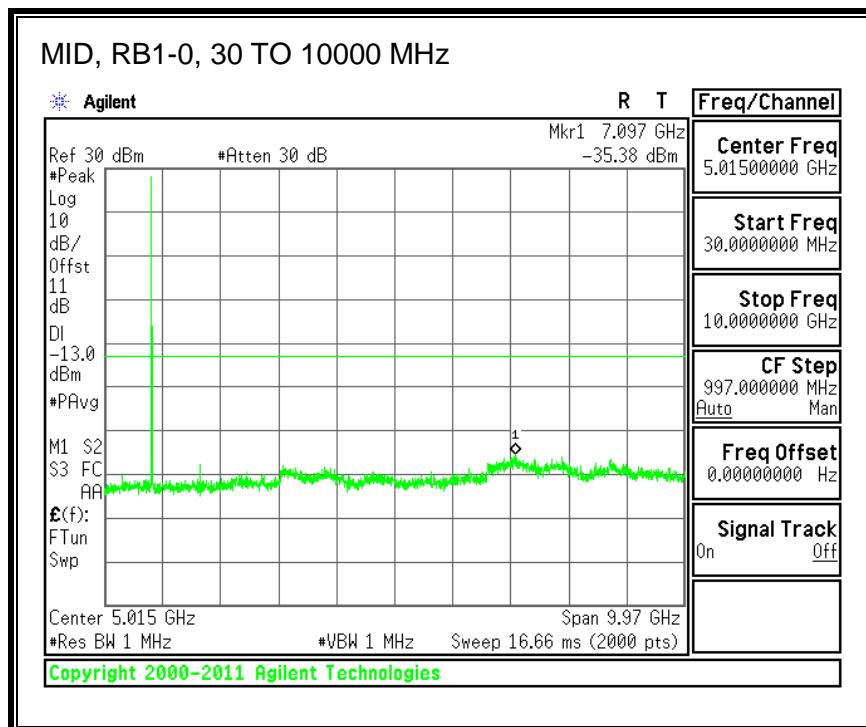
QPSK, (1.4 MHz BAND WIDTH)



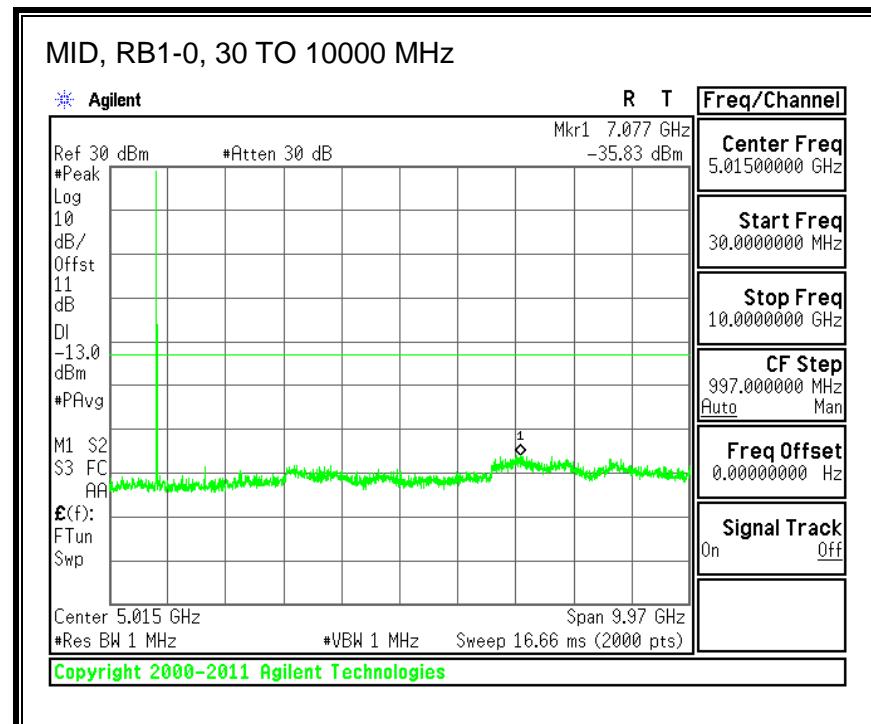
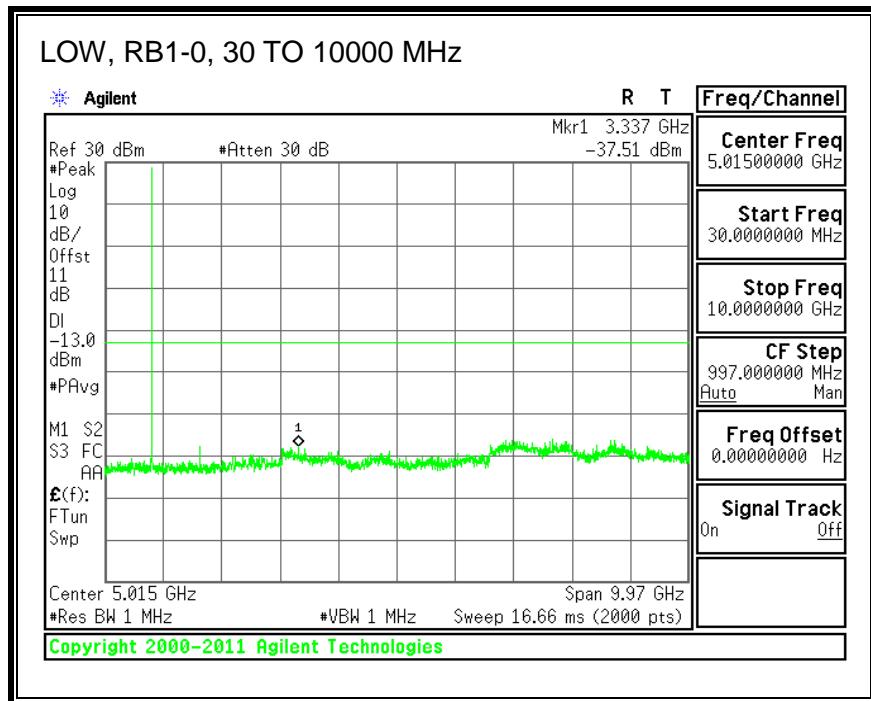


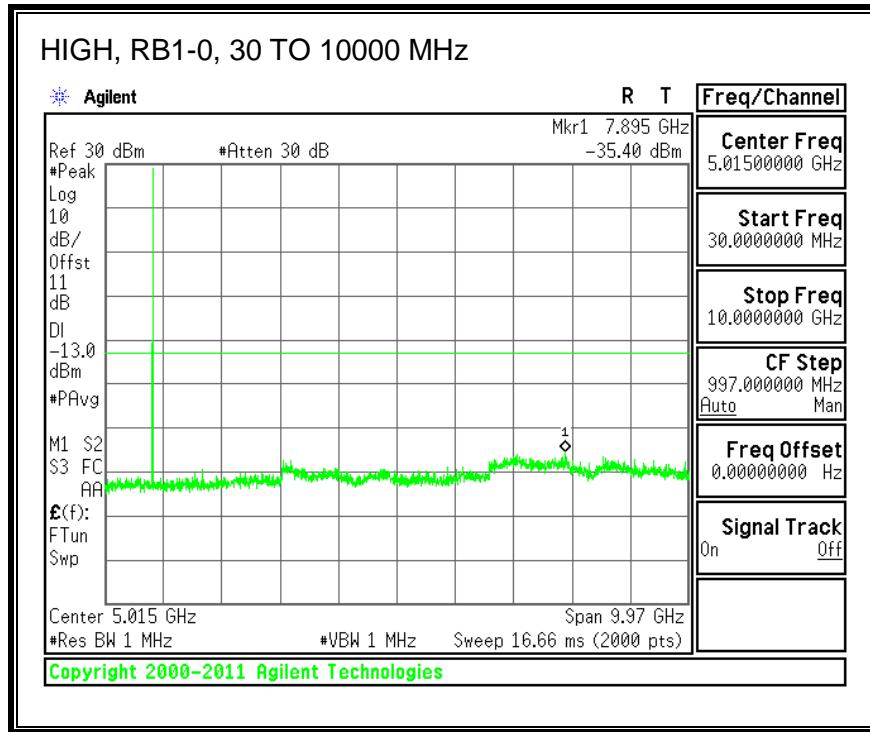
16QAM, (1.4 MHz BAND WIDTH)





QPSK, (3.0 MHz BAND WIDTH)





16QAM, (3.0 MHz BAND WIDTH)

