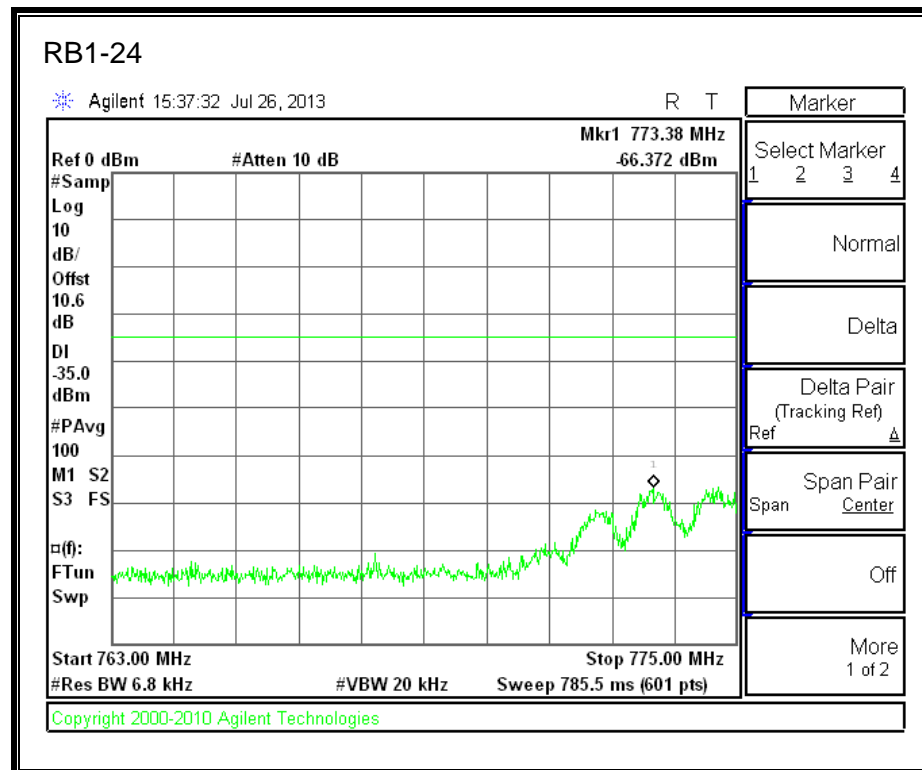
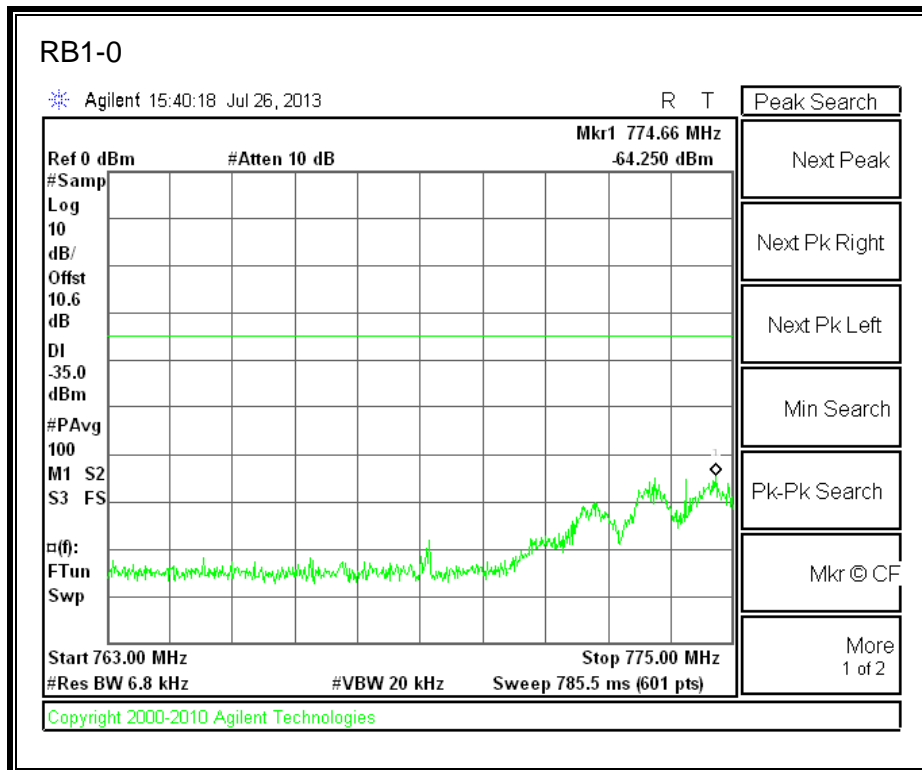
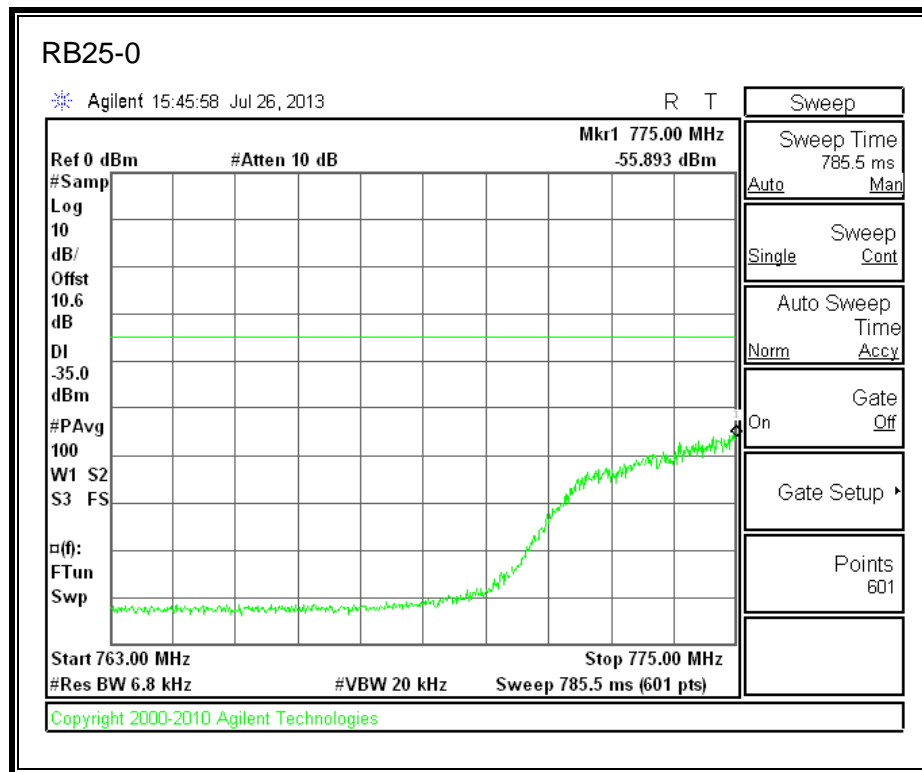
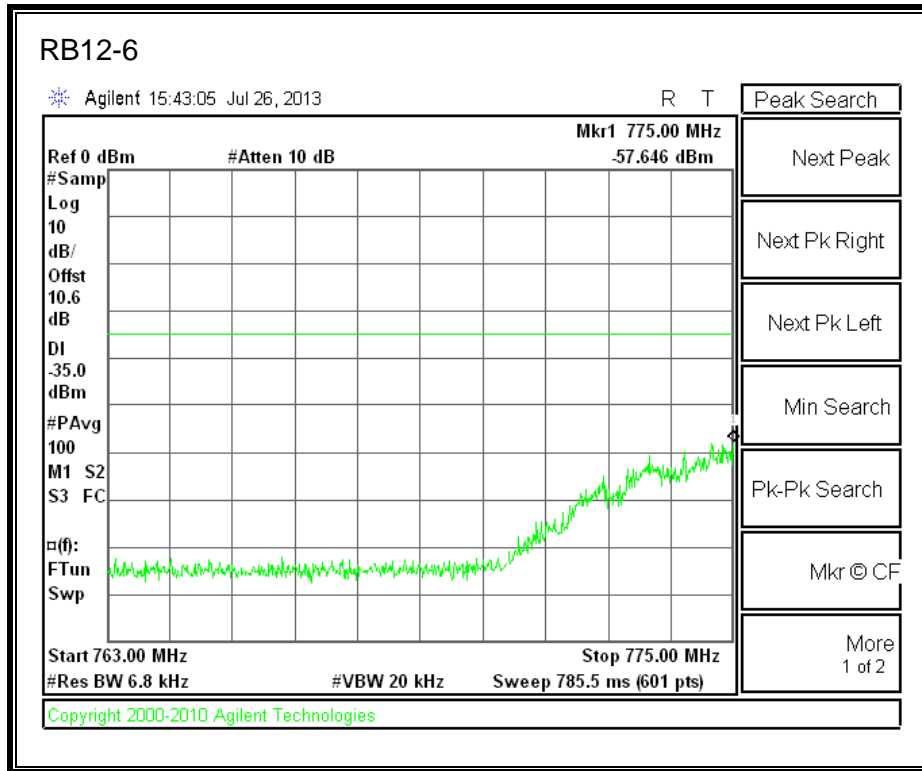
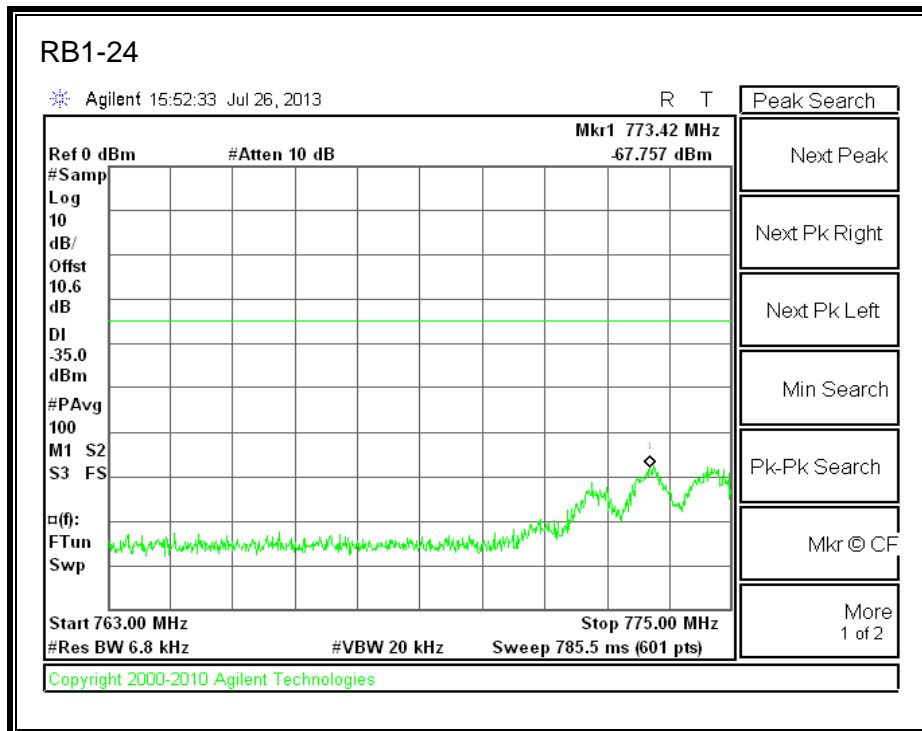
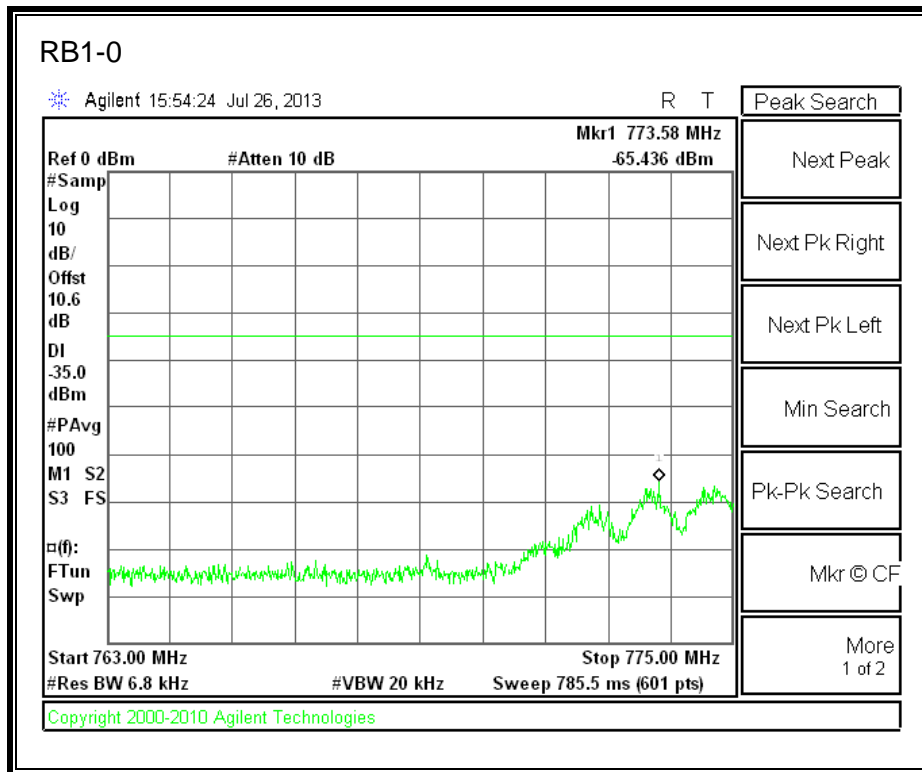


LTE QPSK 782MHz Band 13, 763 - 775MHz (5MHz Bandwidth)

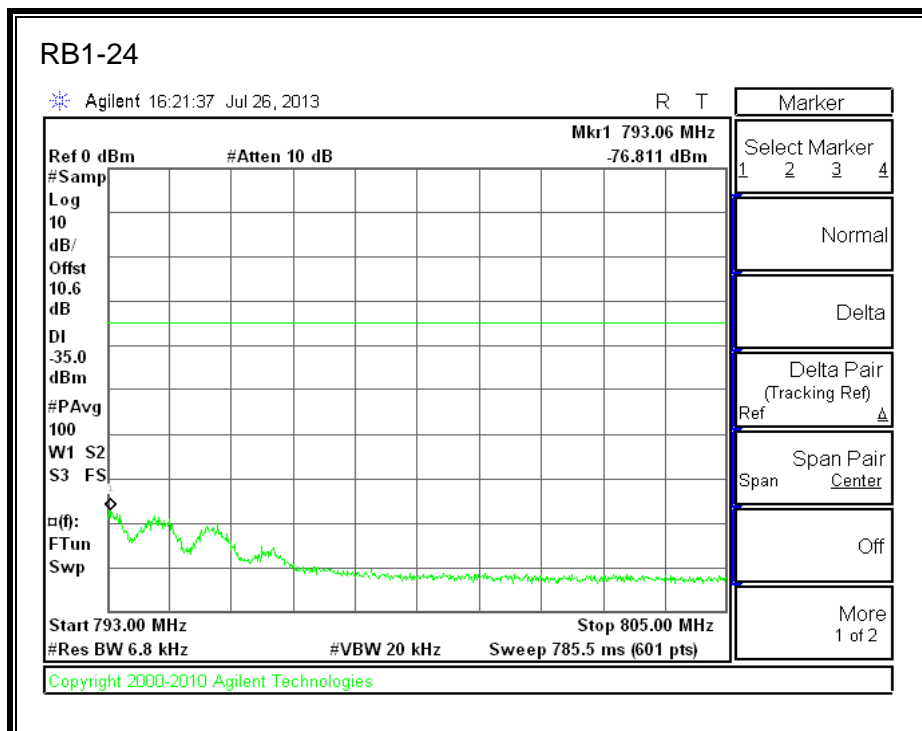
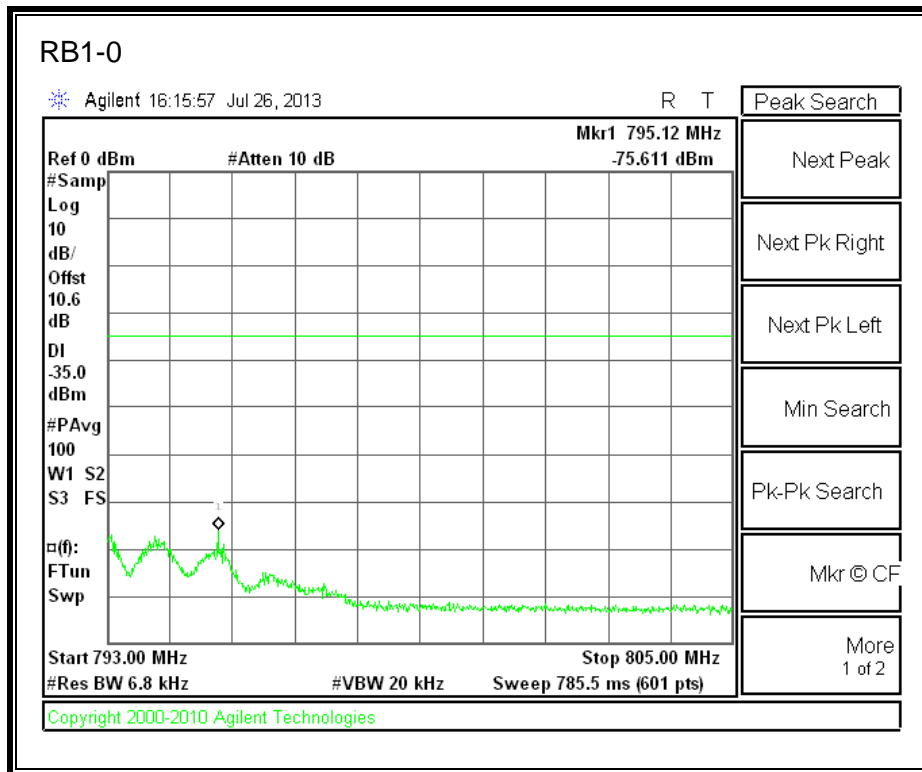


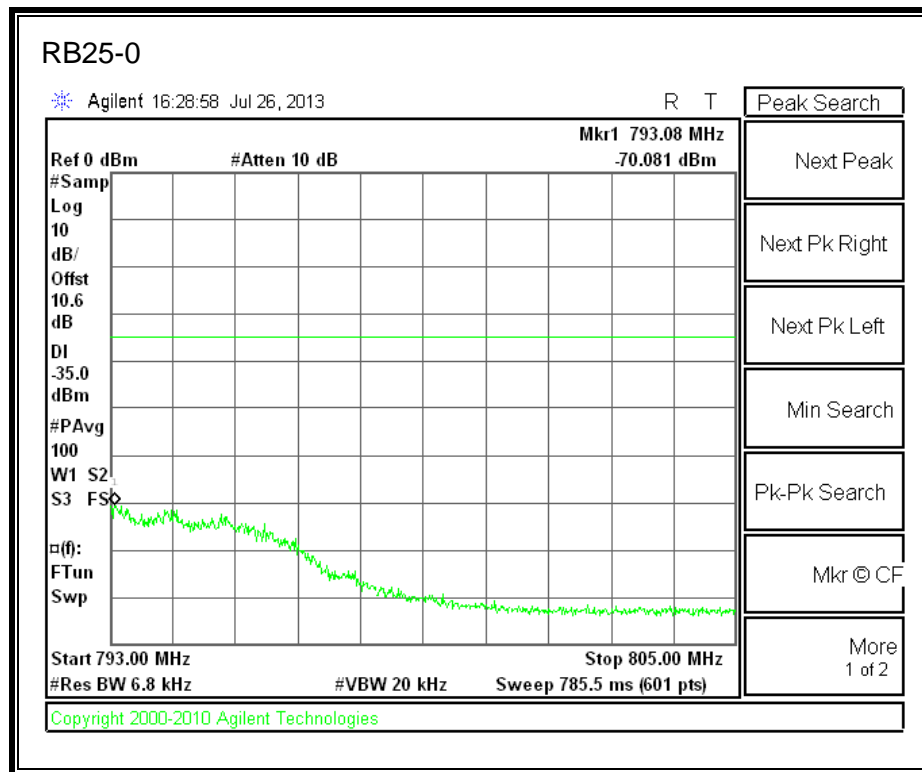
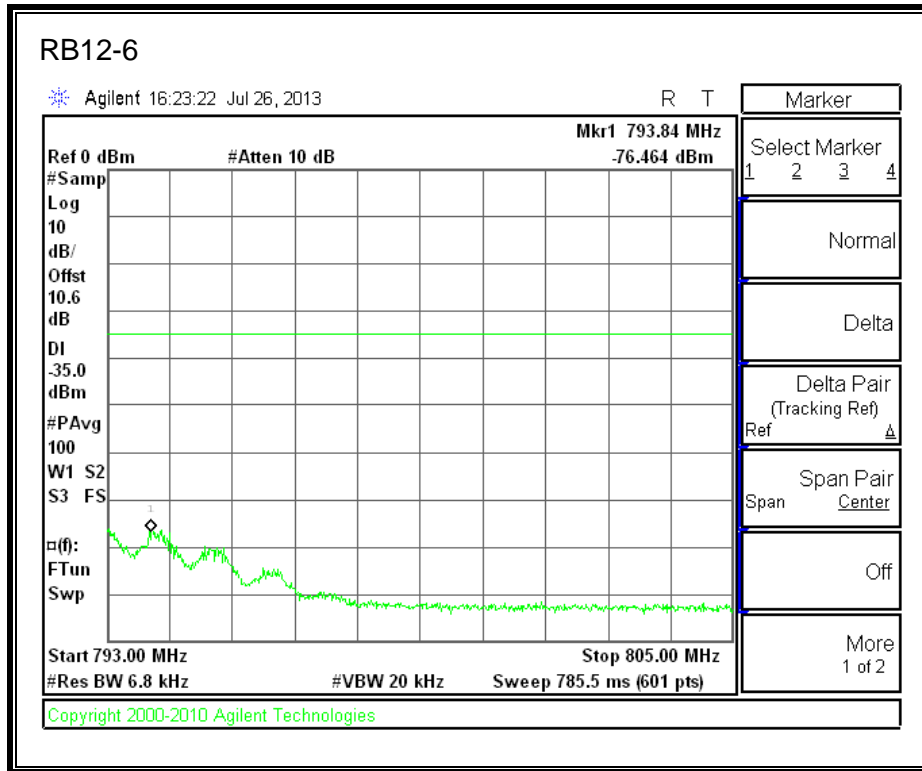


LTE 16QAM 782MHz Band 13, 763-775MHz (5MHz Bandwidth)

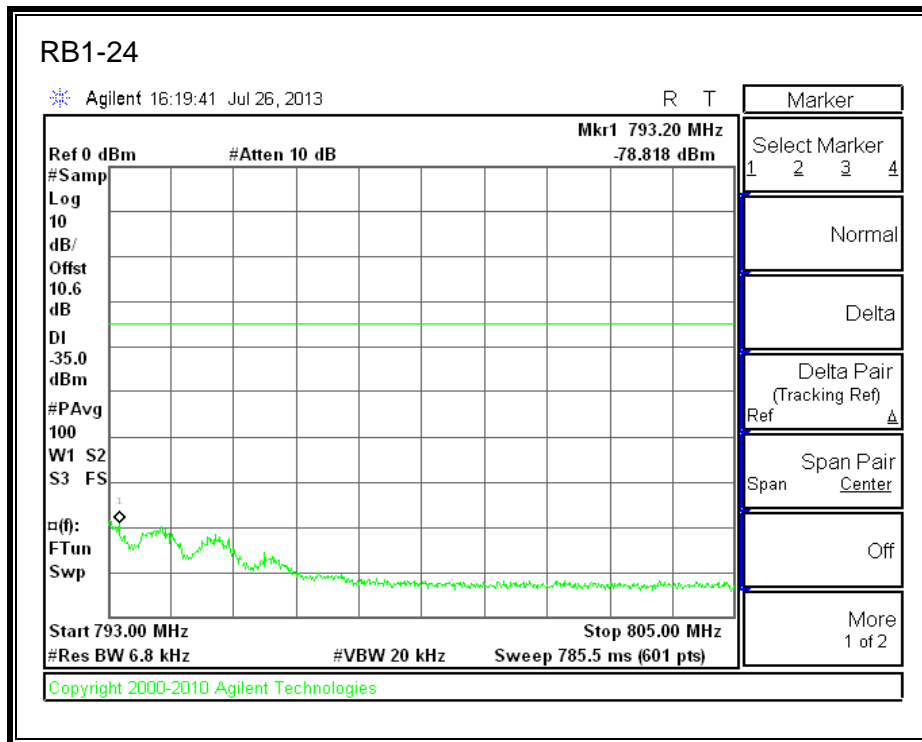
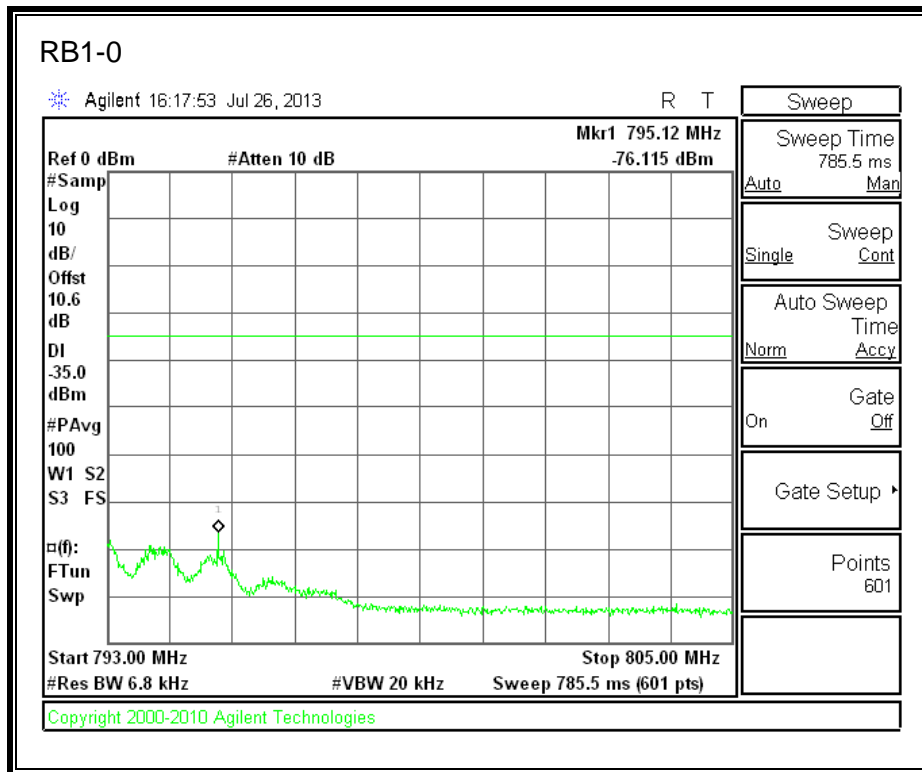


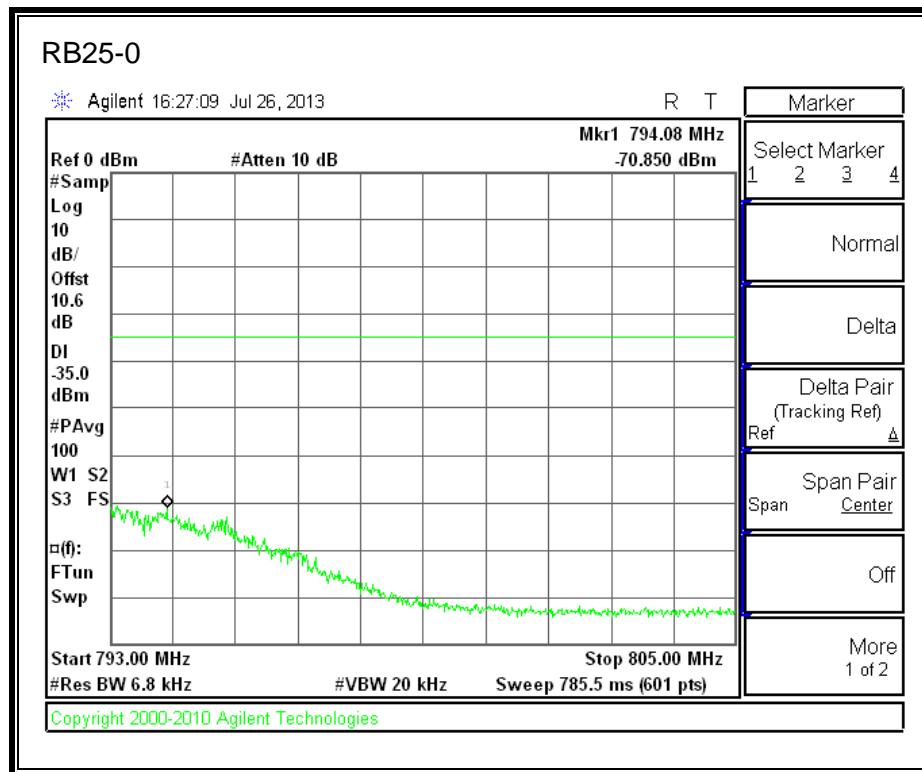
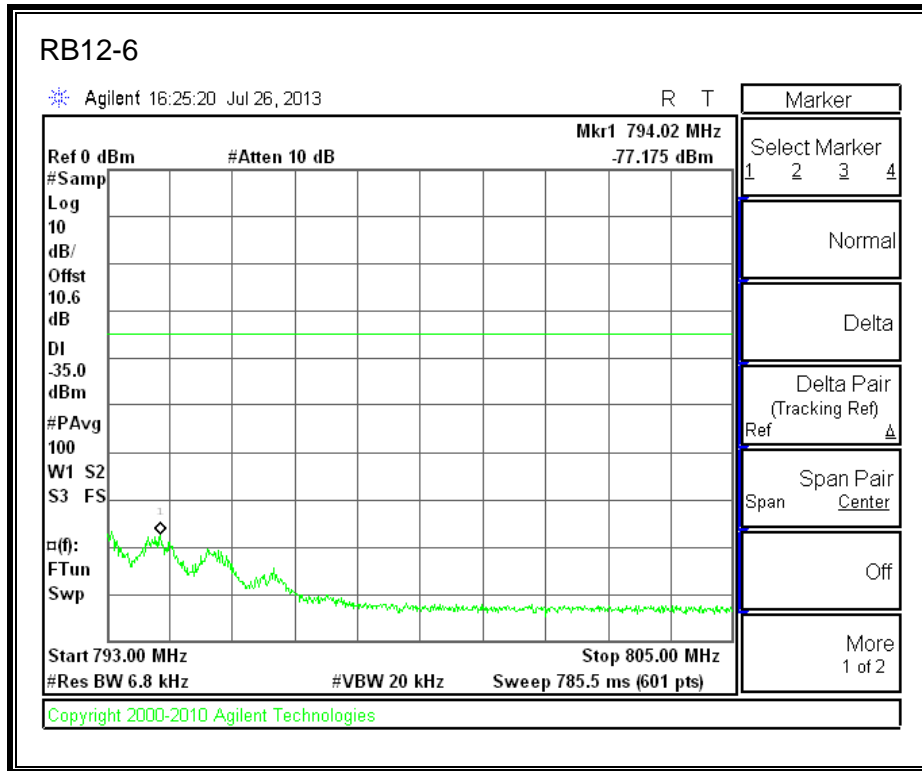
LTE QPSK 782MHz Band 13, 793 - 805MHz (5MHz Bandwidth)



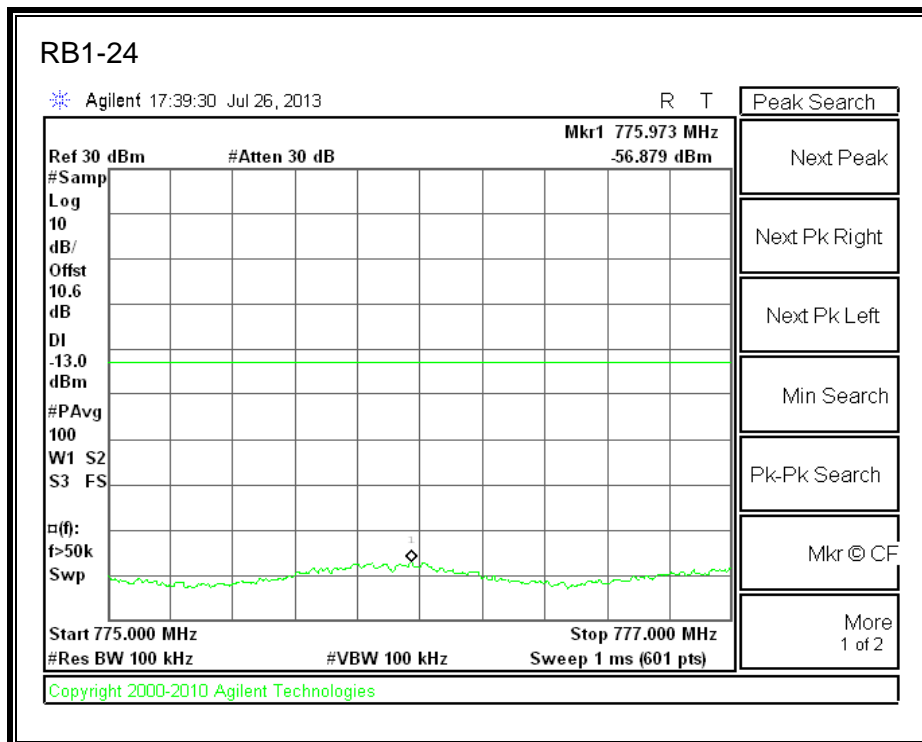
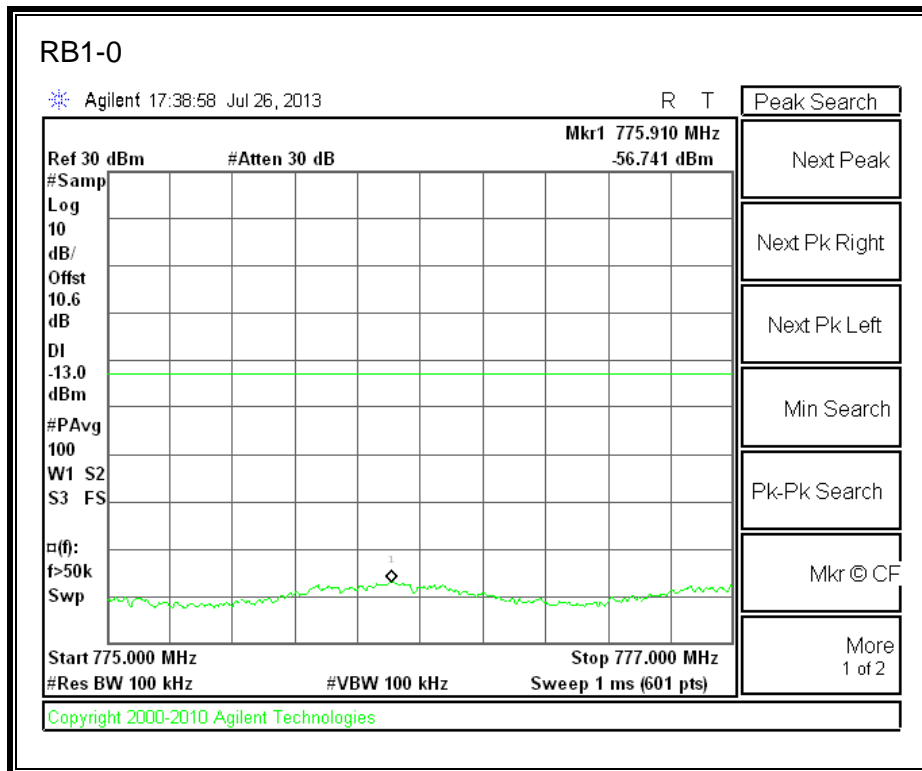


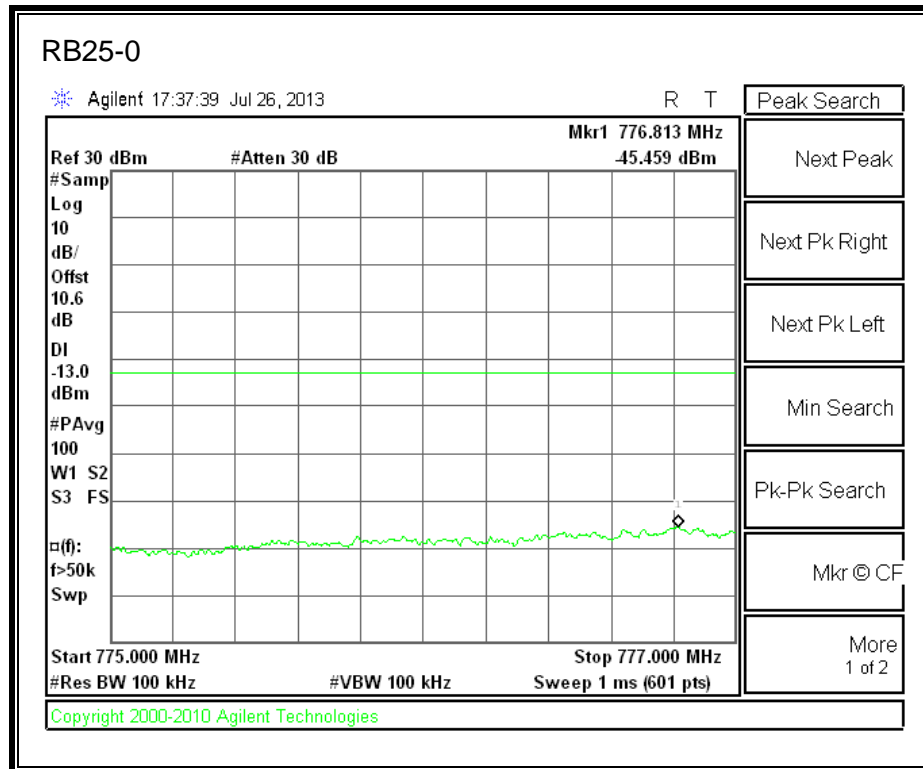
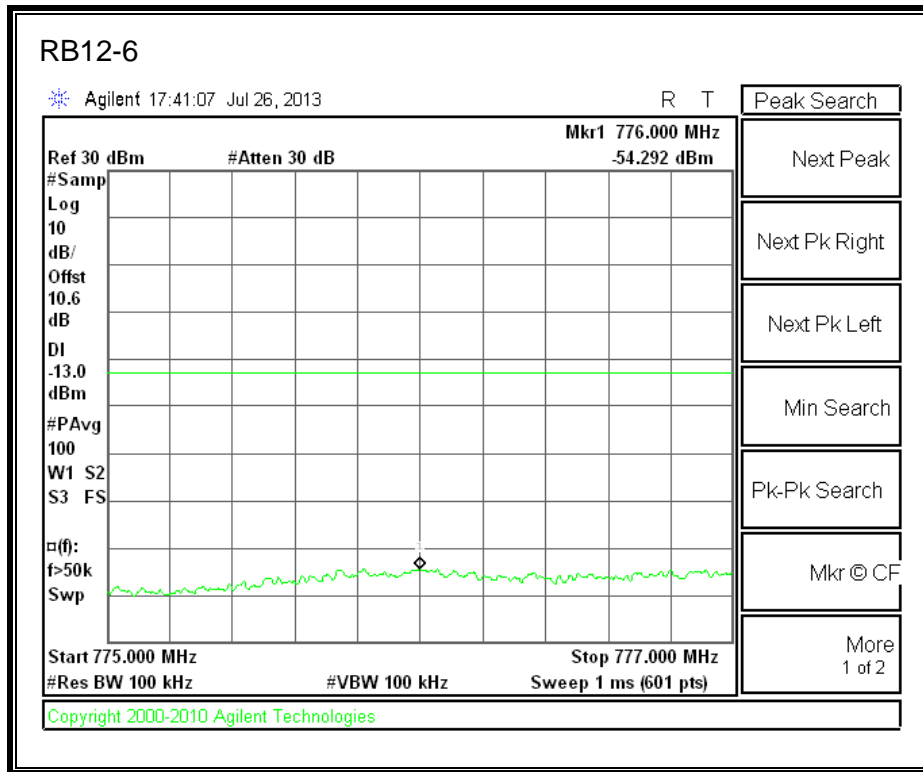
LTE 16QAM 7825MHz Band 13, 793 - 805MHz (5MHz Bandwidth)



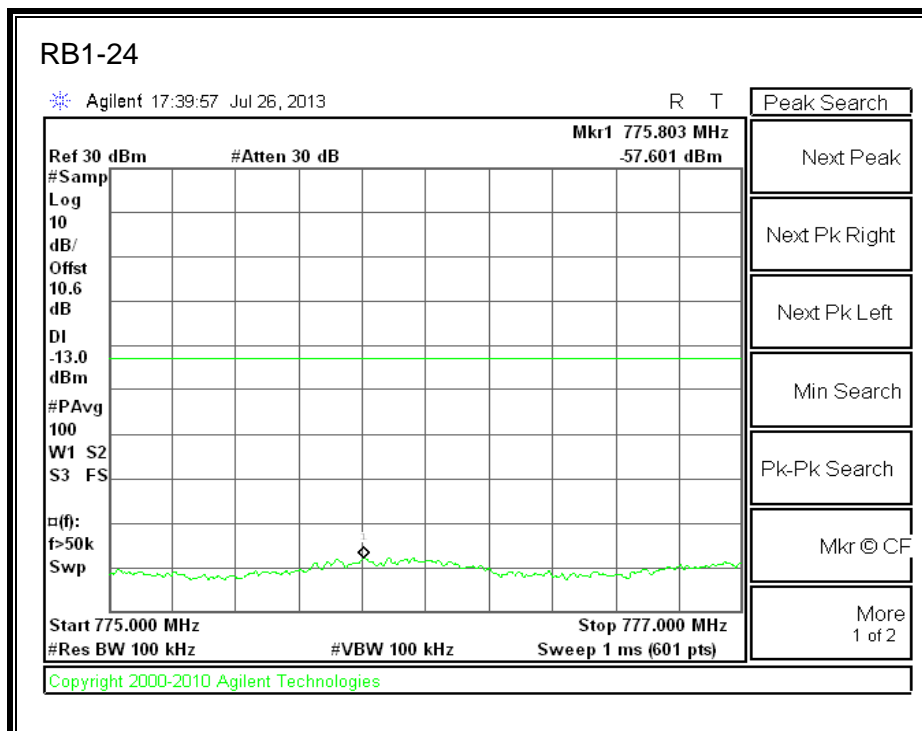
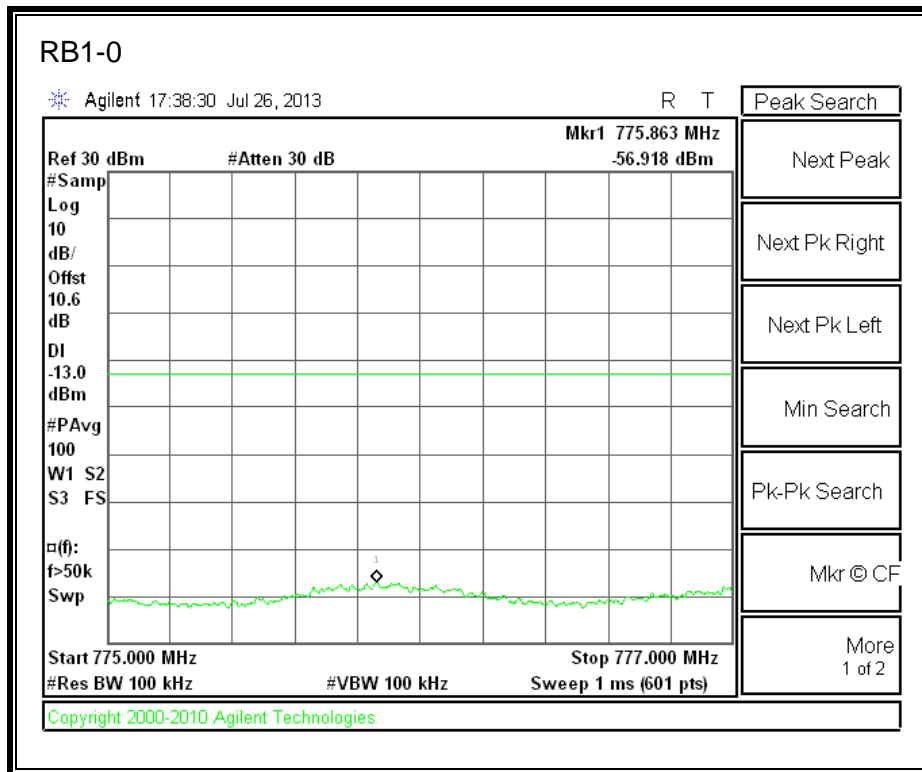


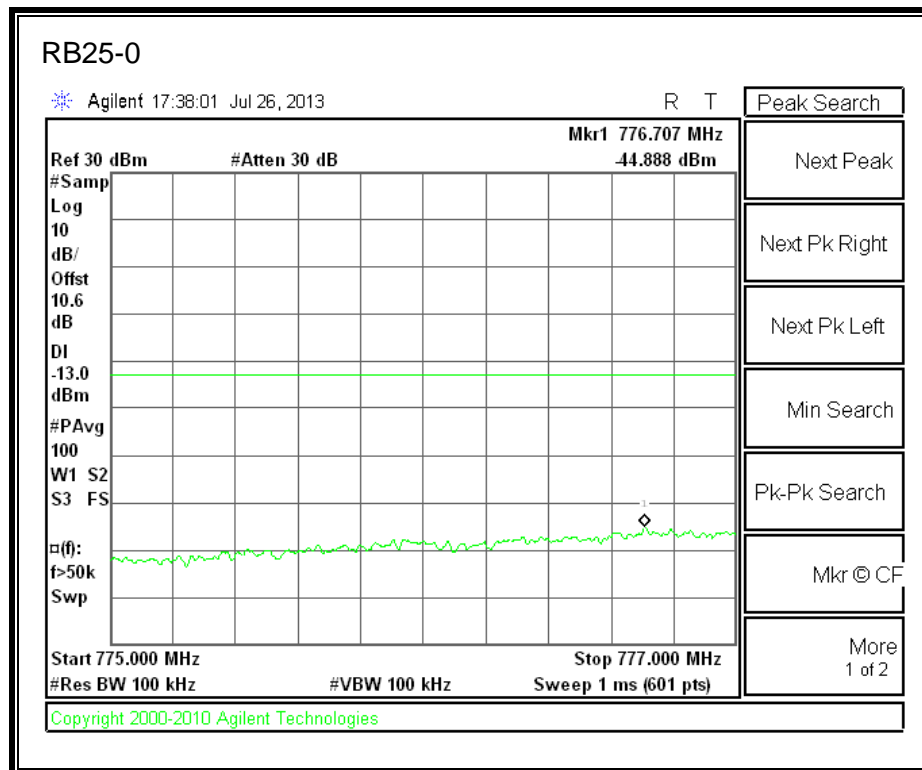
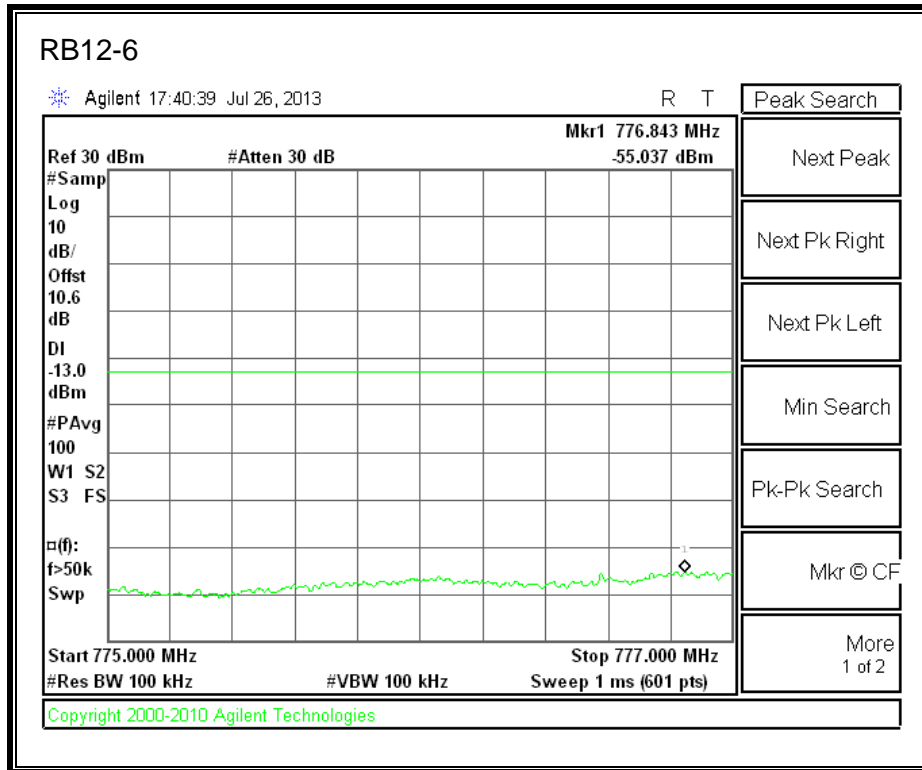
LTE QPSK 784.5 MHz Band 13, 775 - 777MHz (5MHz Bandwidth)



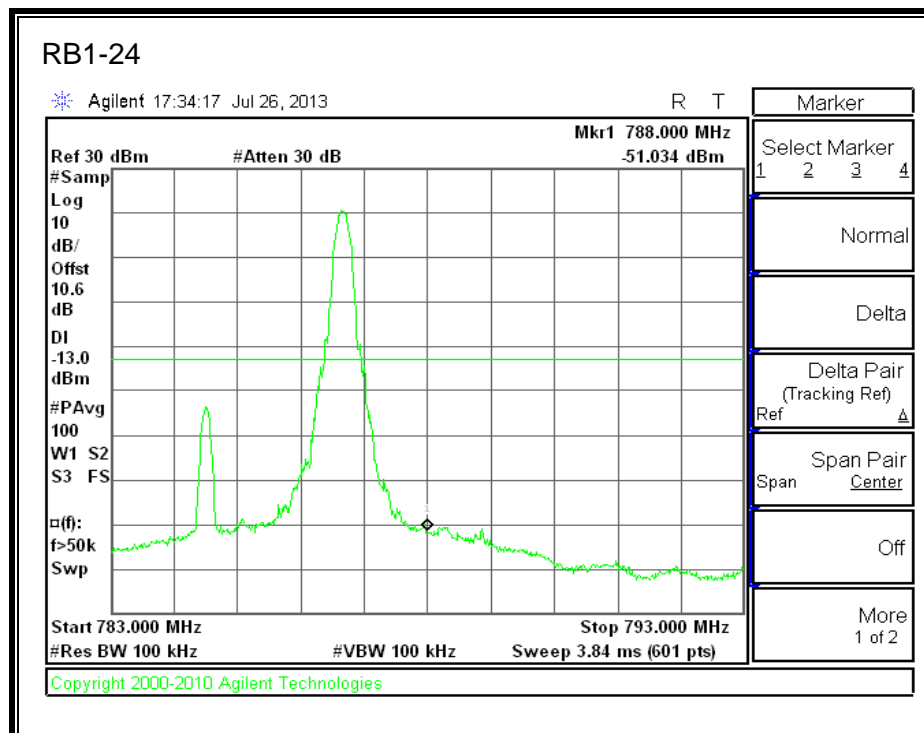
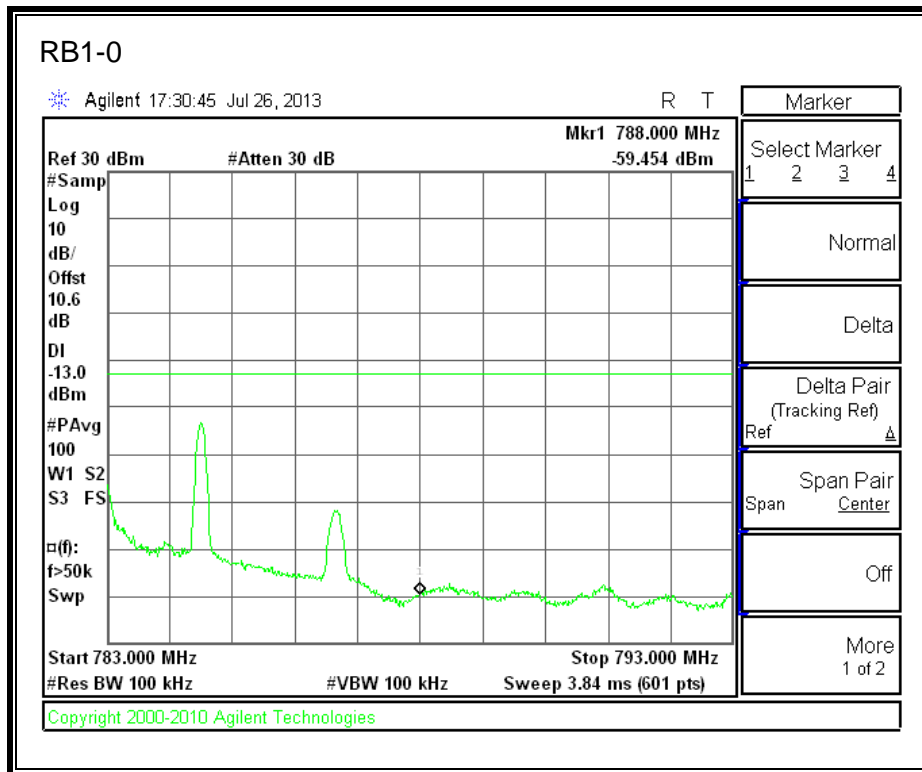


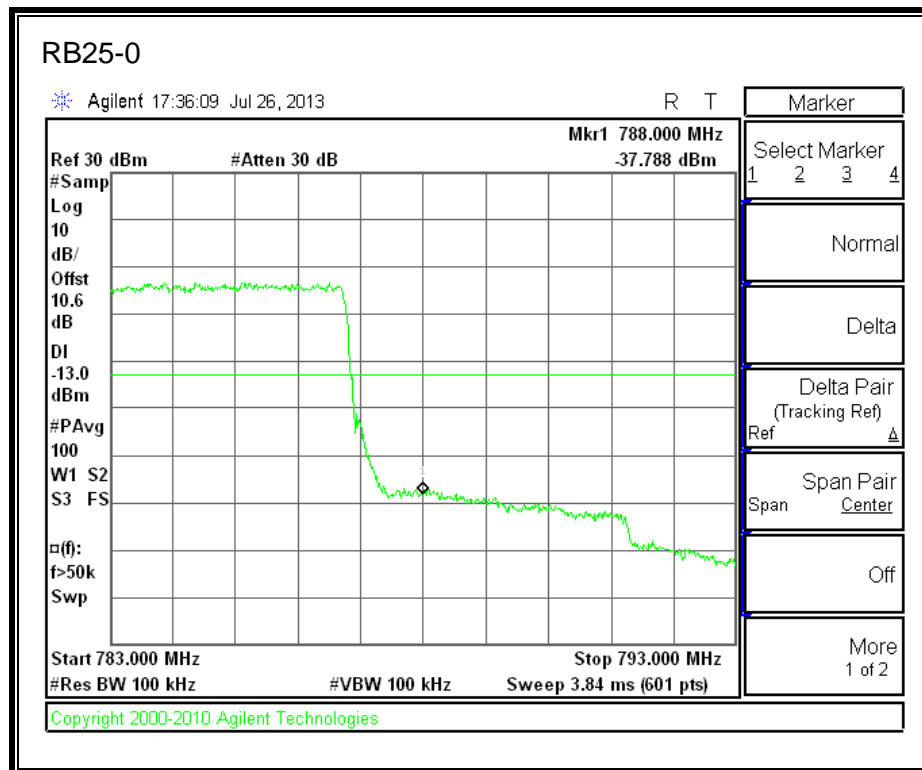
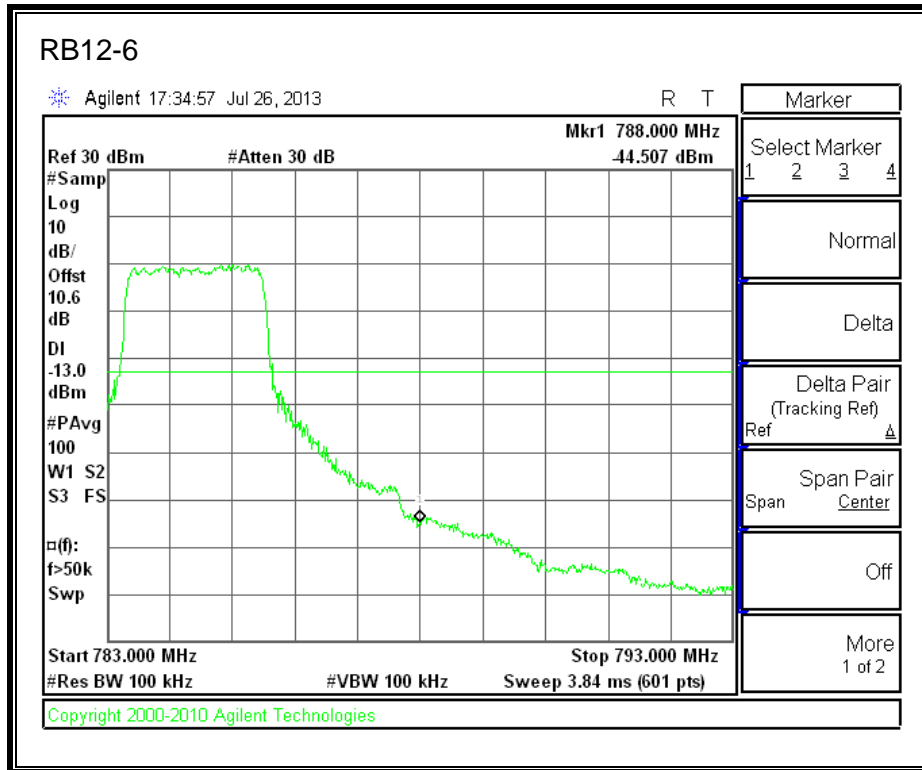
LTE 16QAM 784.5MHz Band 13, 775 - 777MHz (5MHz Bandwidth)



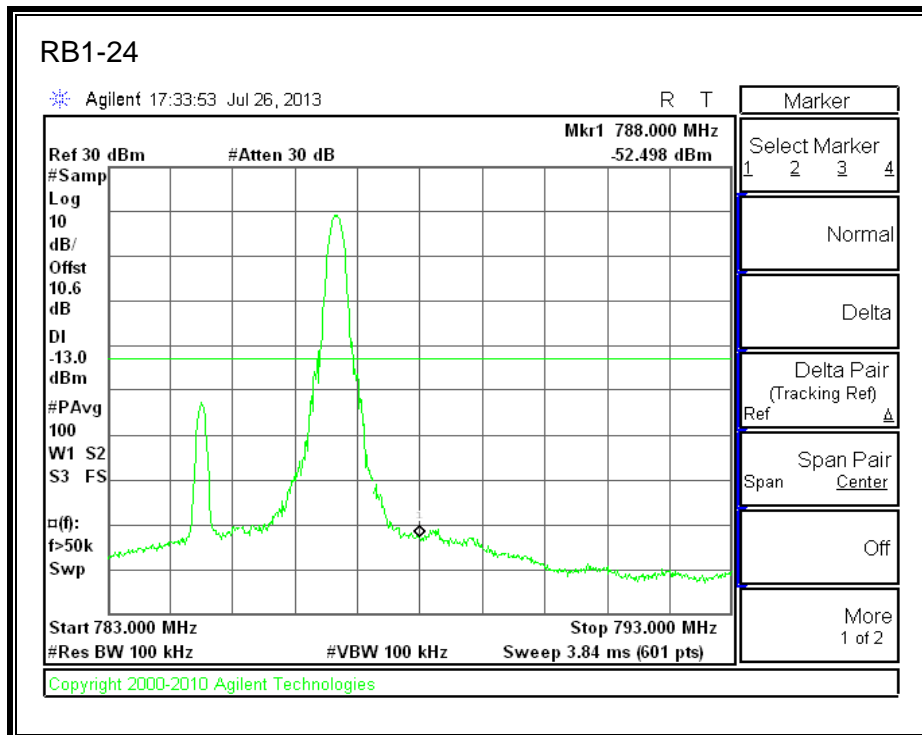
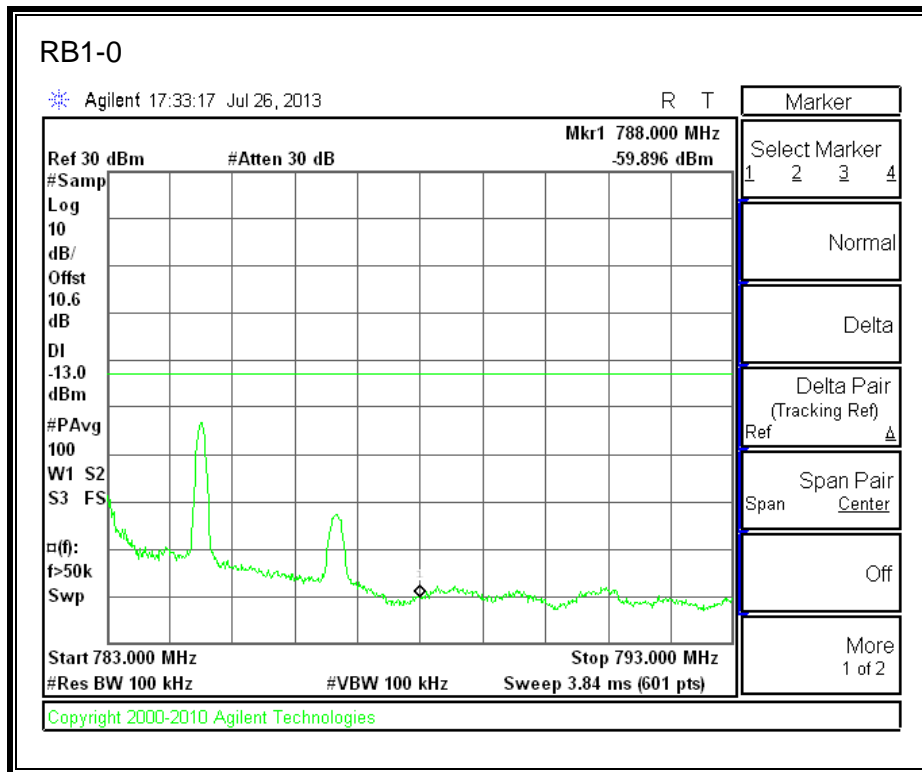


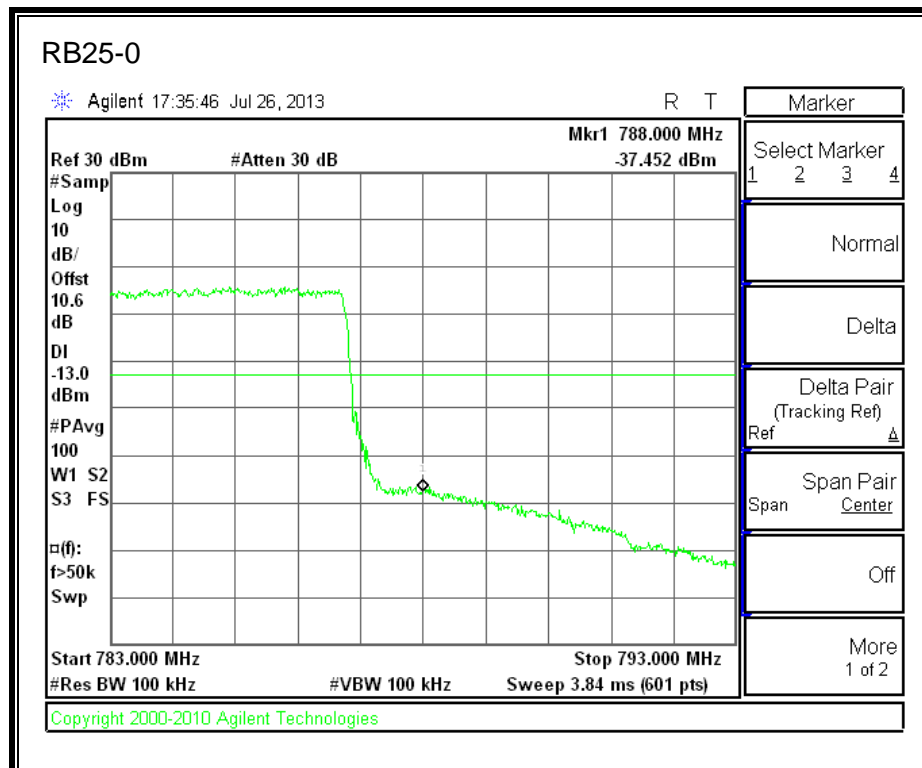
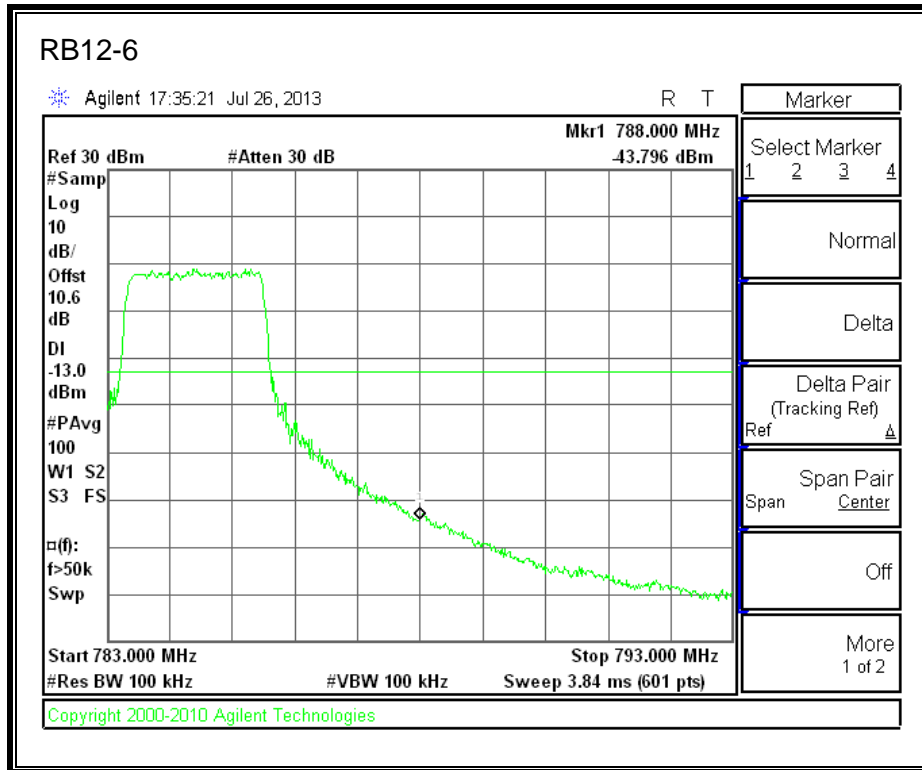
LTE QPSK 784.5MHz Band 13, 783 - 793MHz (5MHz Bandwidth)



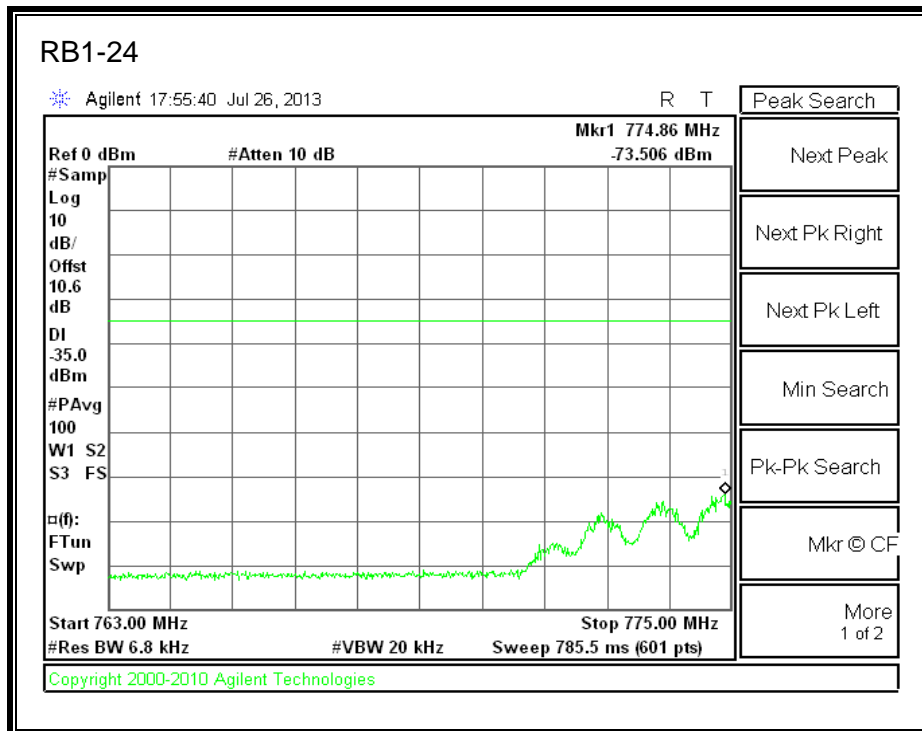
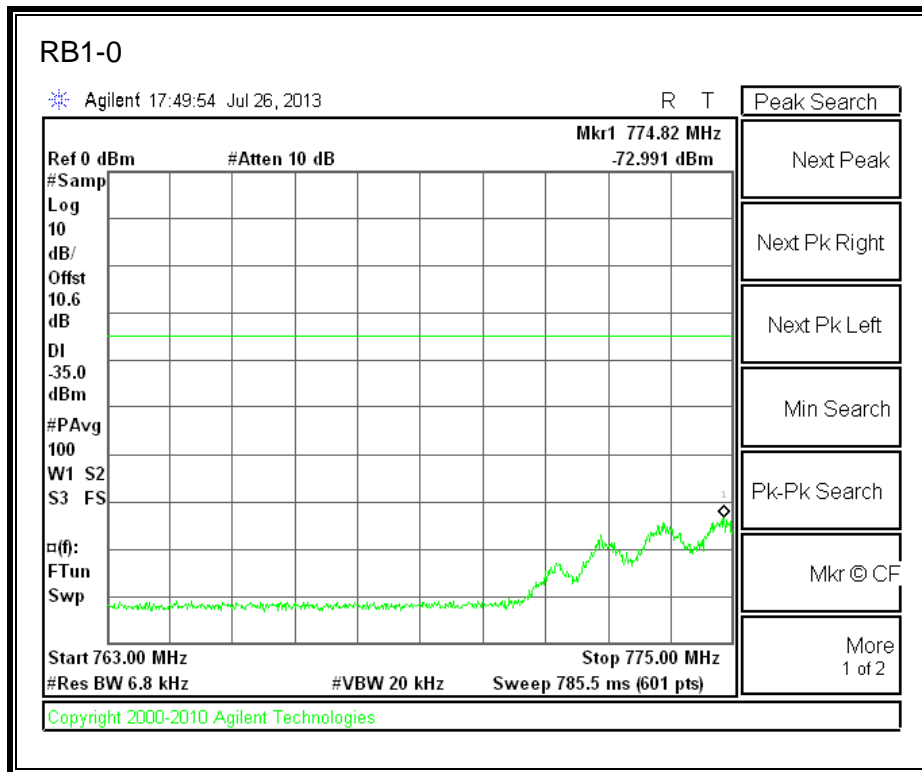


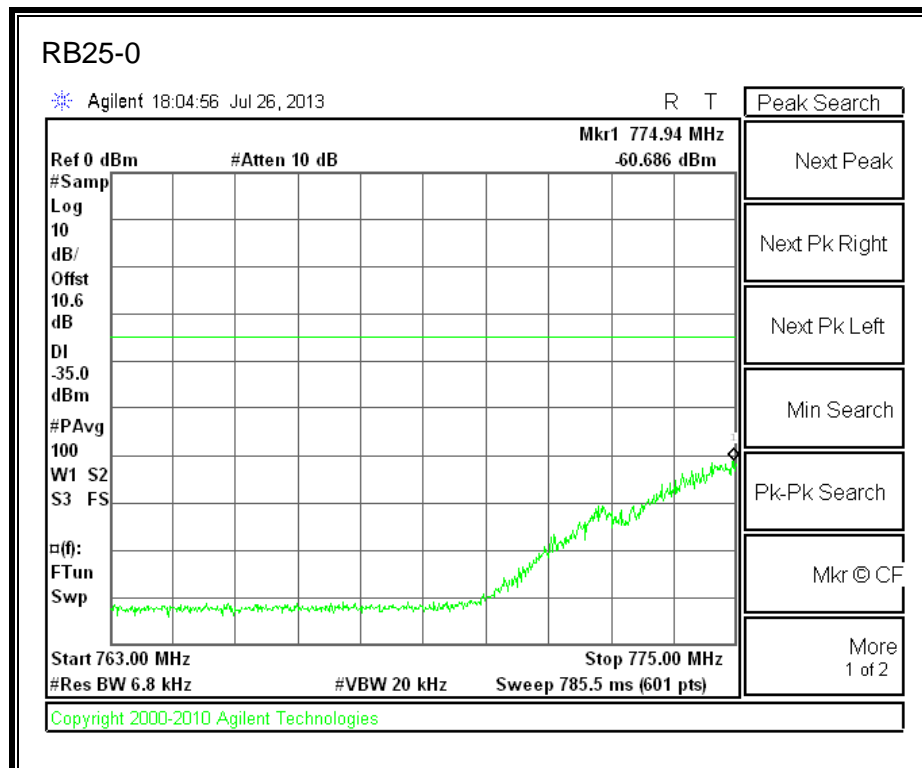
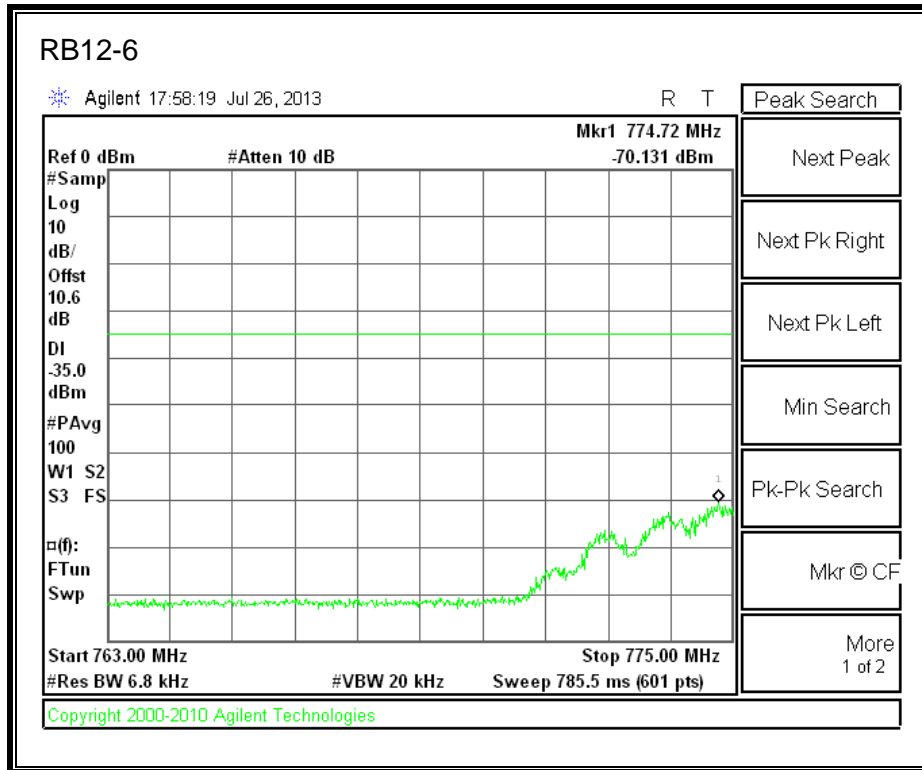
LTE 16QAM 784.5MHz Band 13, 783 - 793MHz (5MHz Bandwidth)



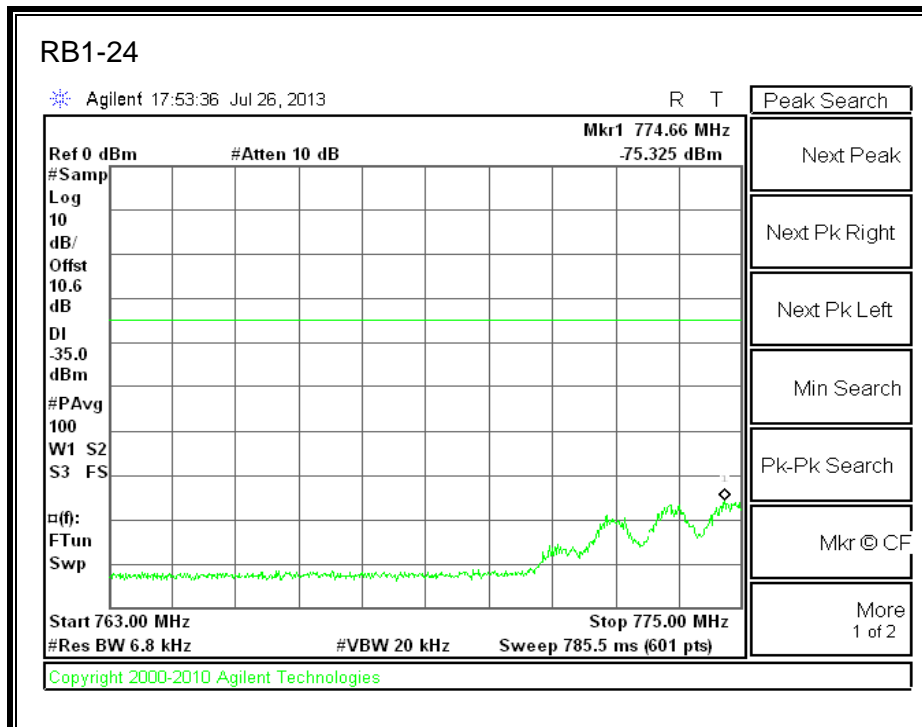
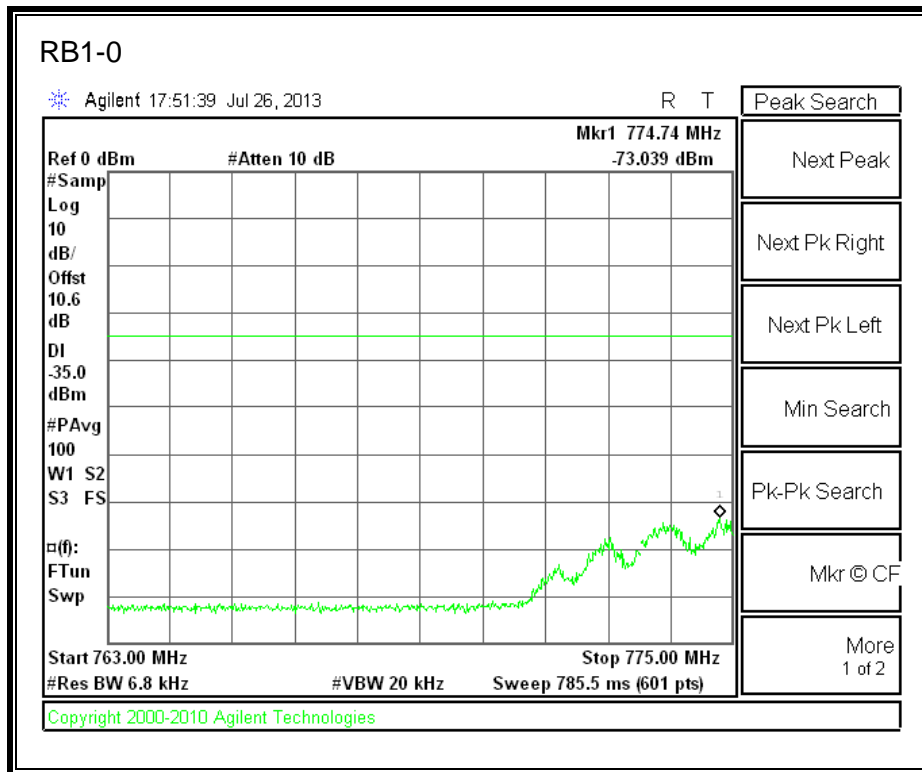


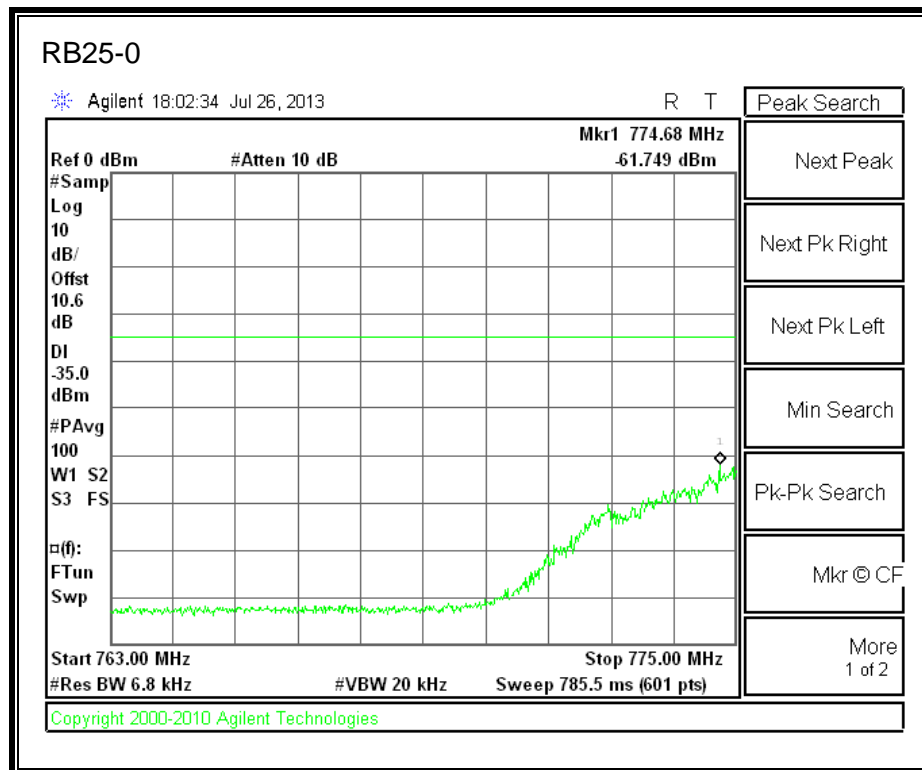
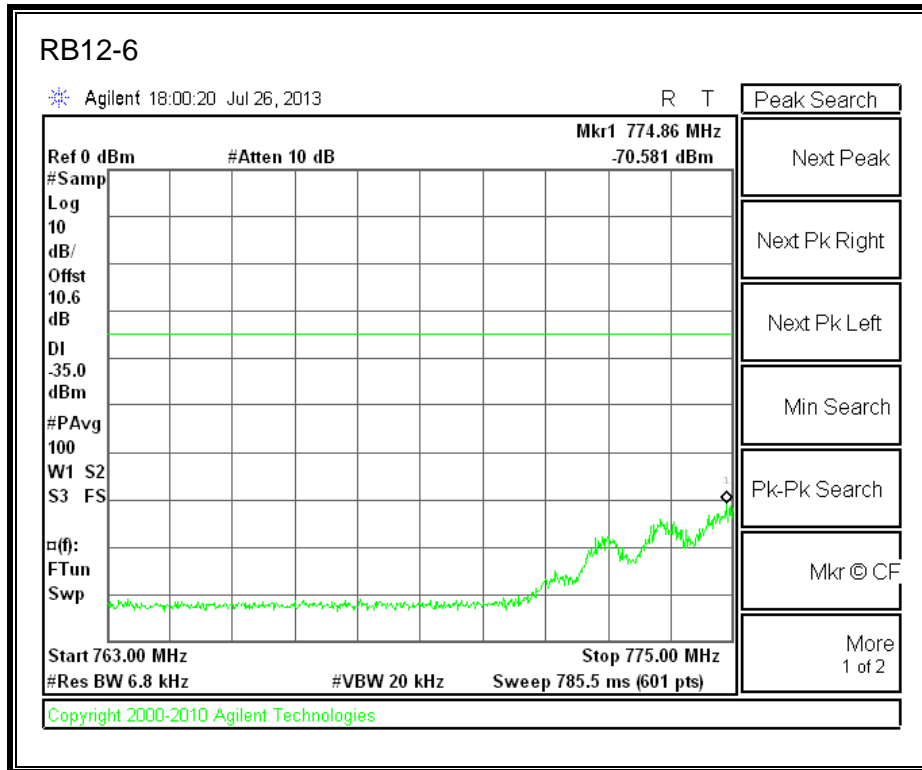
LTE QPSK 784.5MHz Band 13, 763 - 775MHz (5MHz Bandwidth)



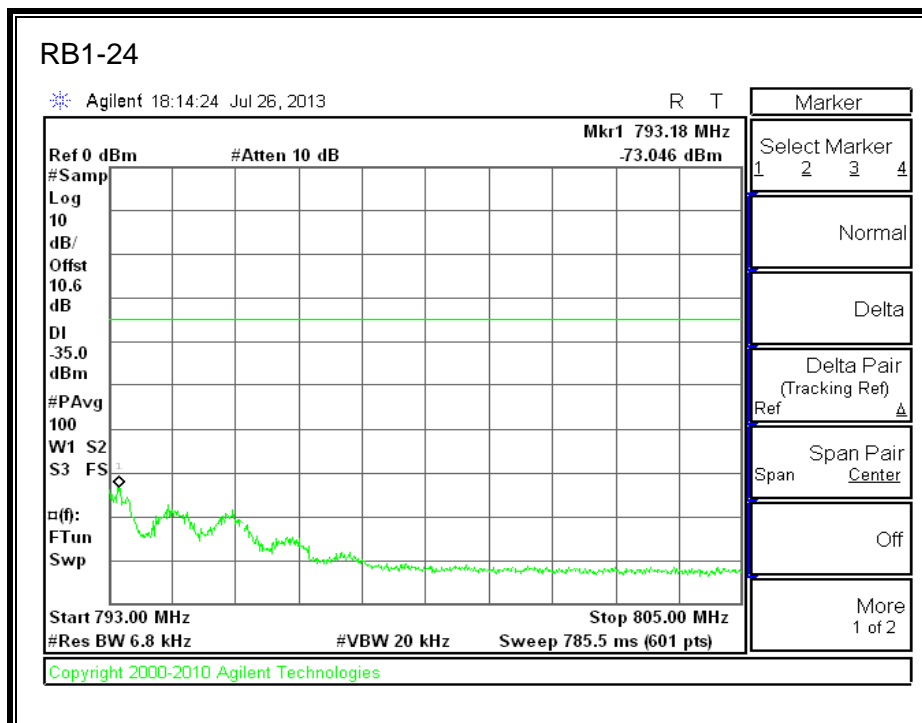
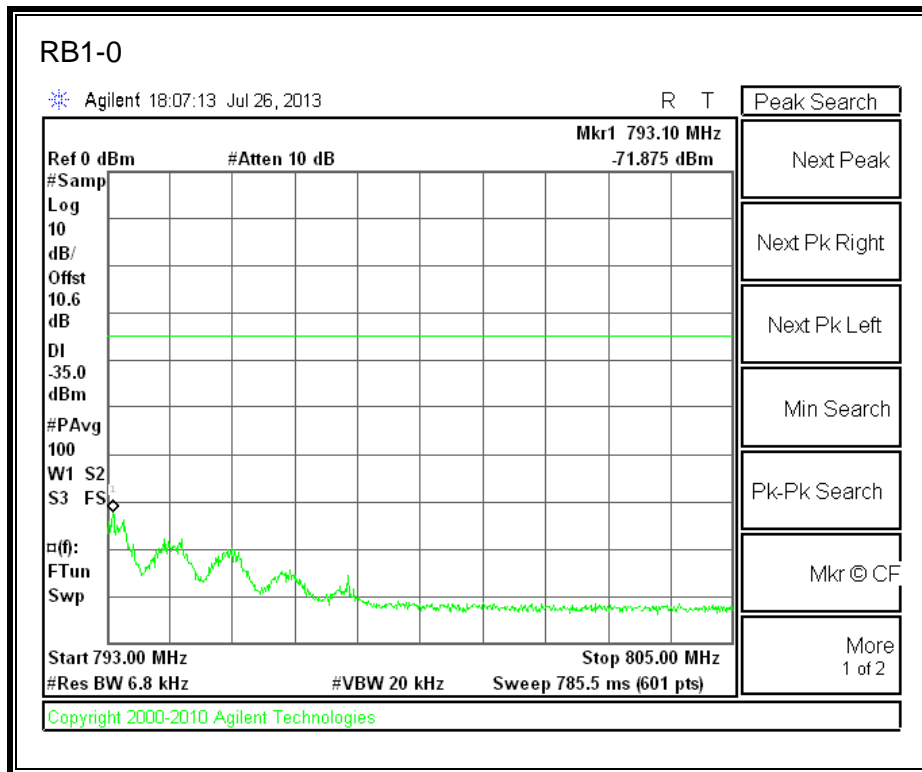


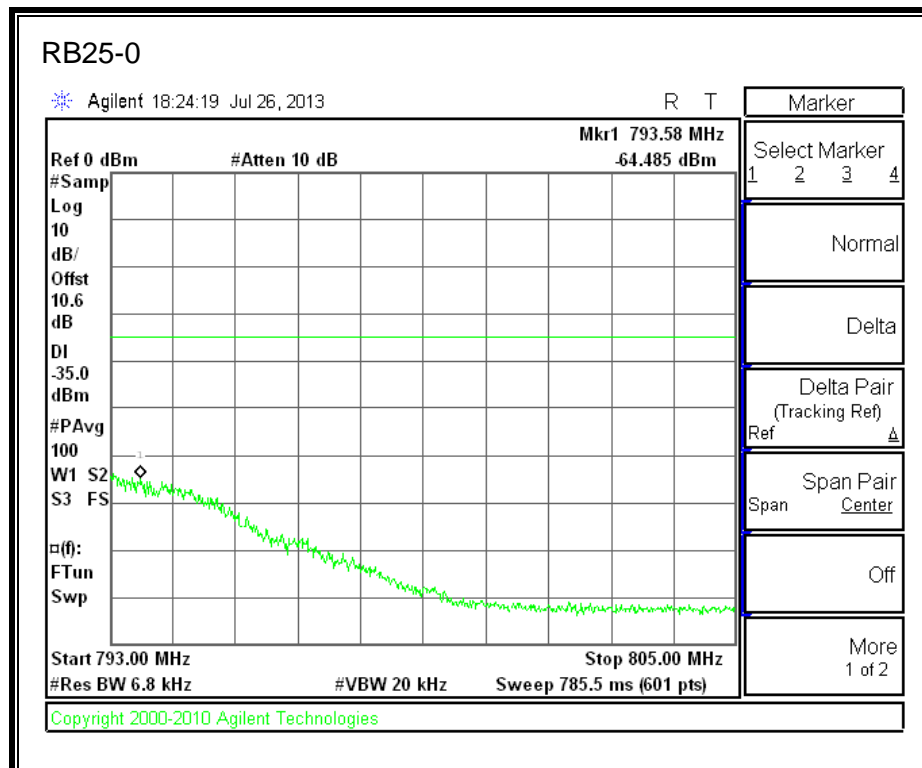
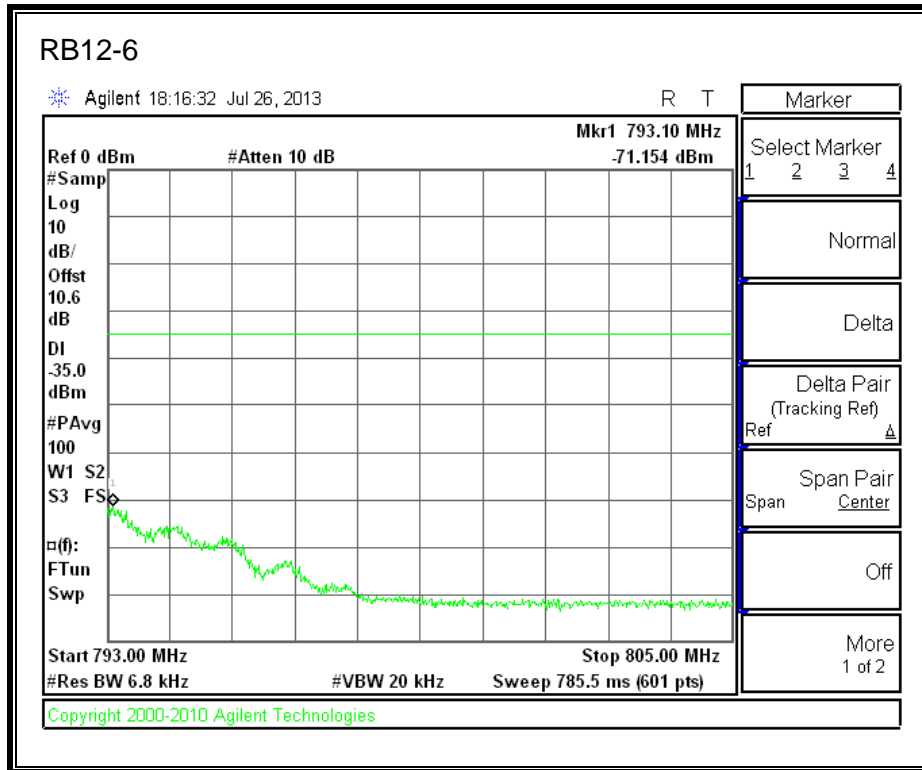
LTE 16QAM 784.5MHz Band 13, 763-775MHz (5MHz Bandwidth)



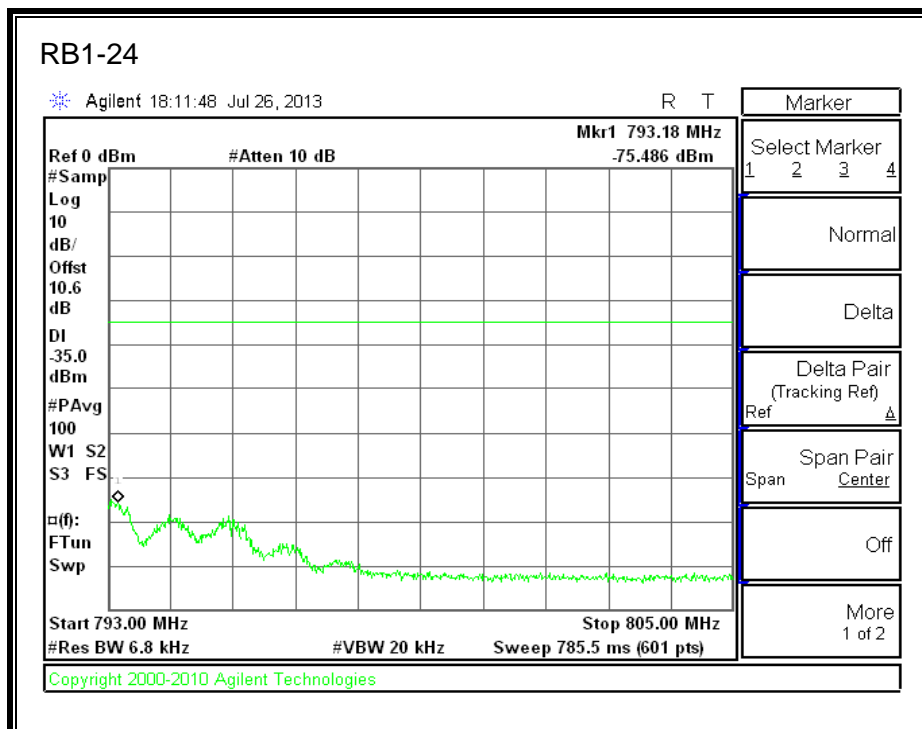
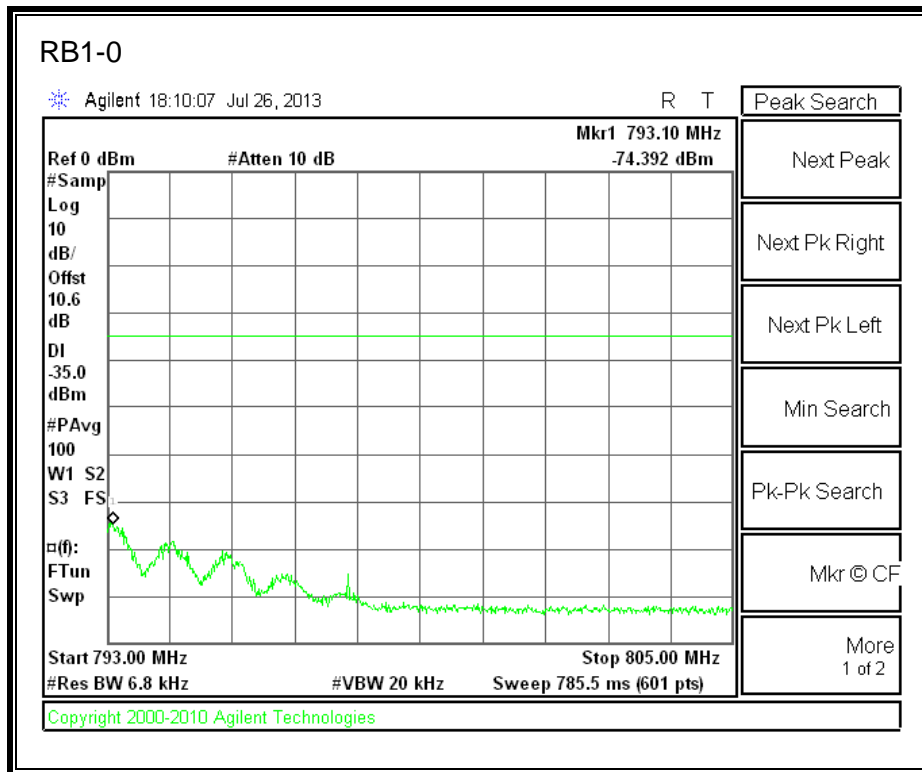


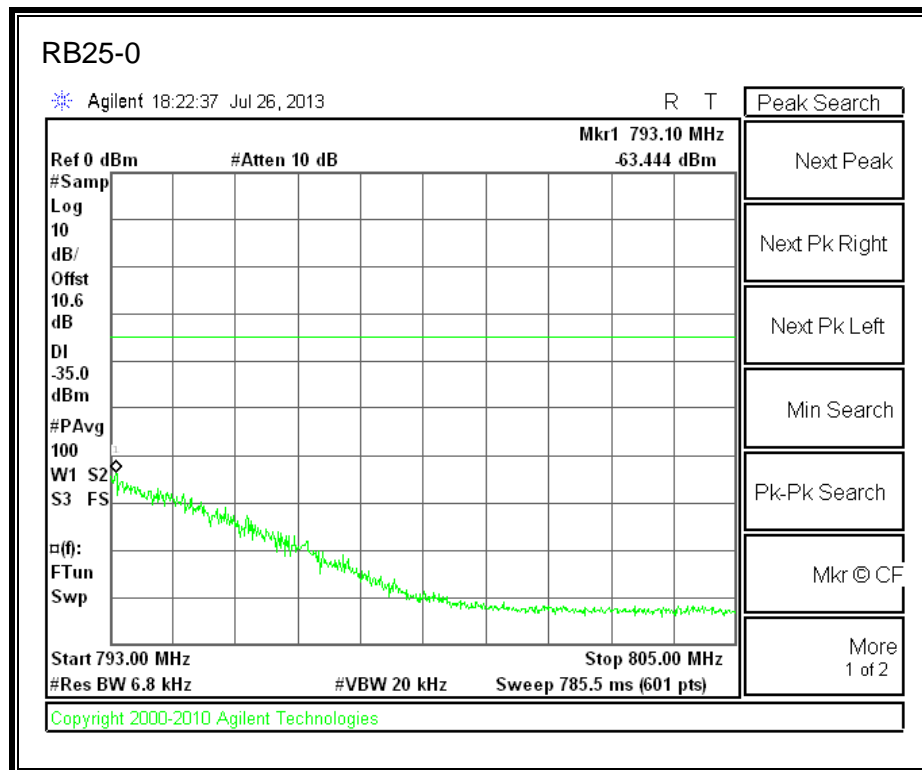
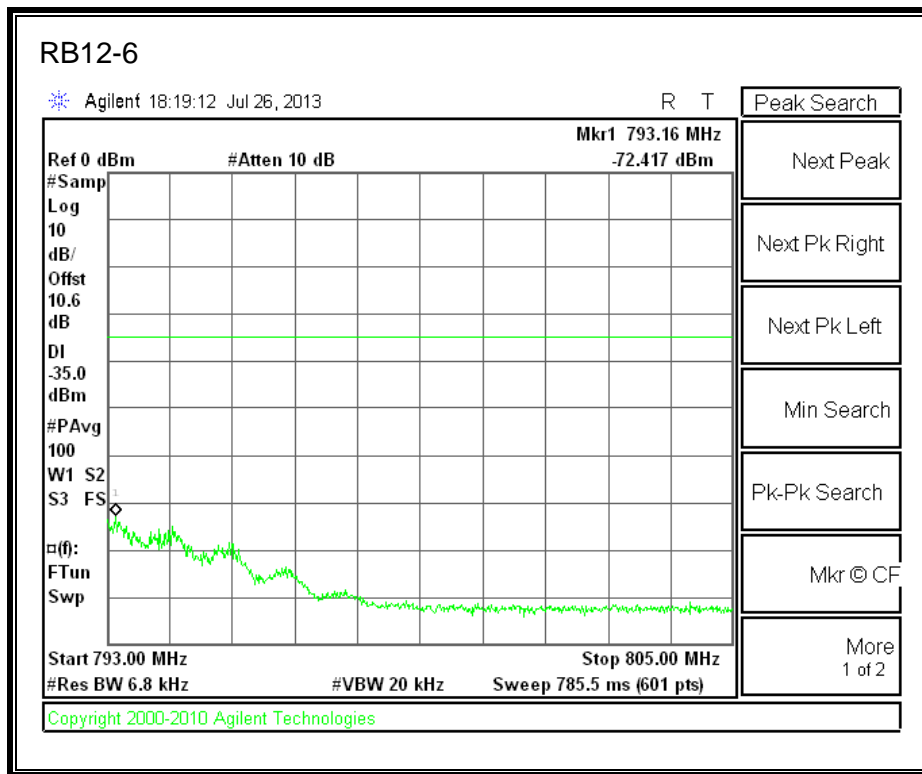
LTE QPSK 784.5MHz Band 13, 793 - 805MHz (5MHz Bandwidth)



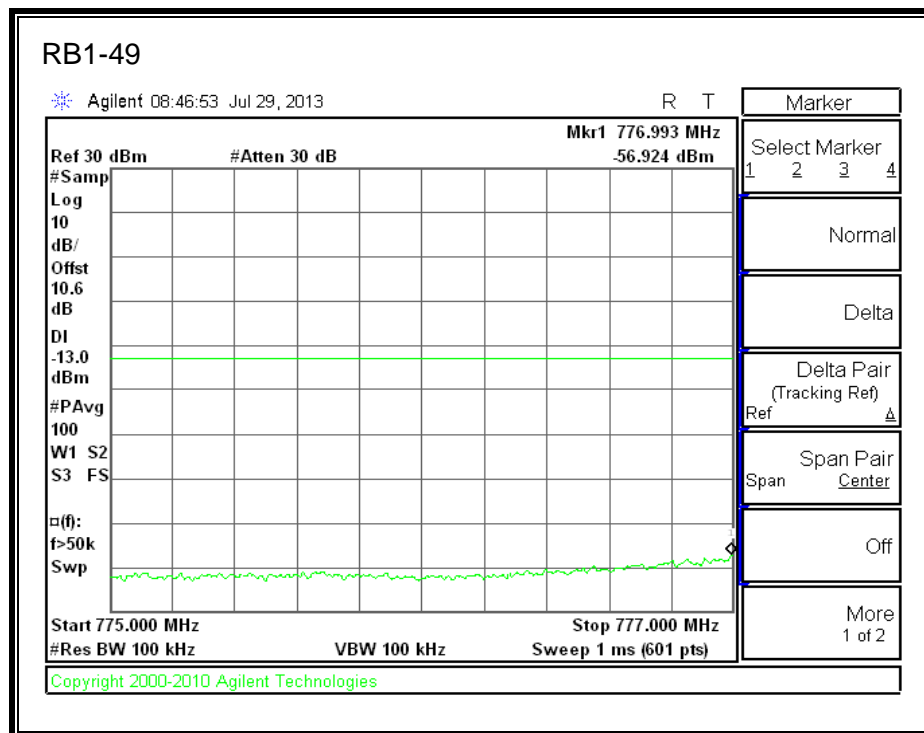
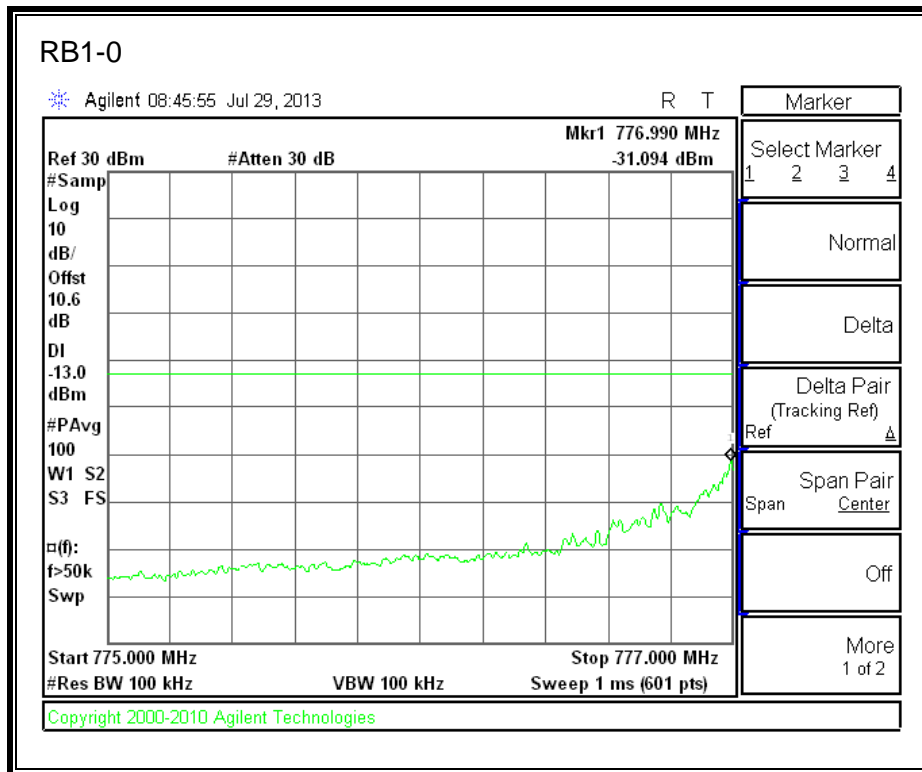


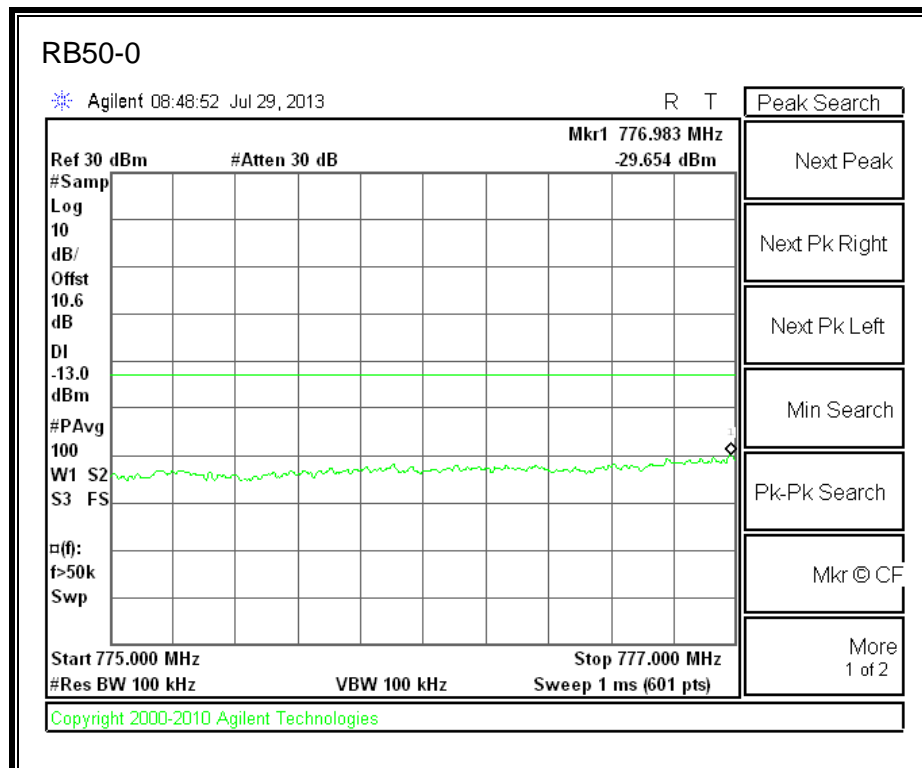
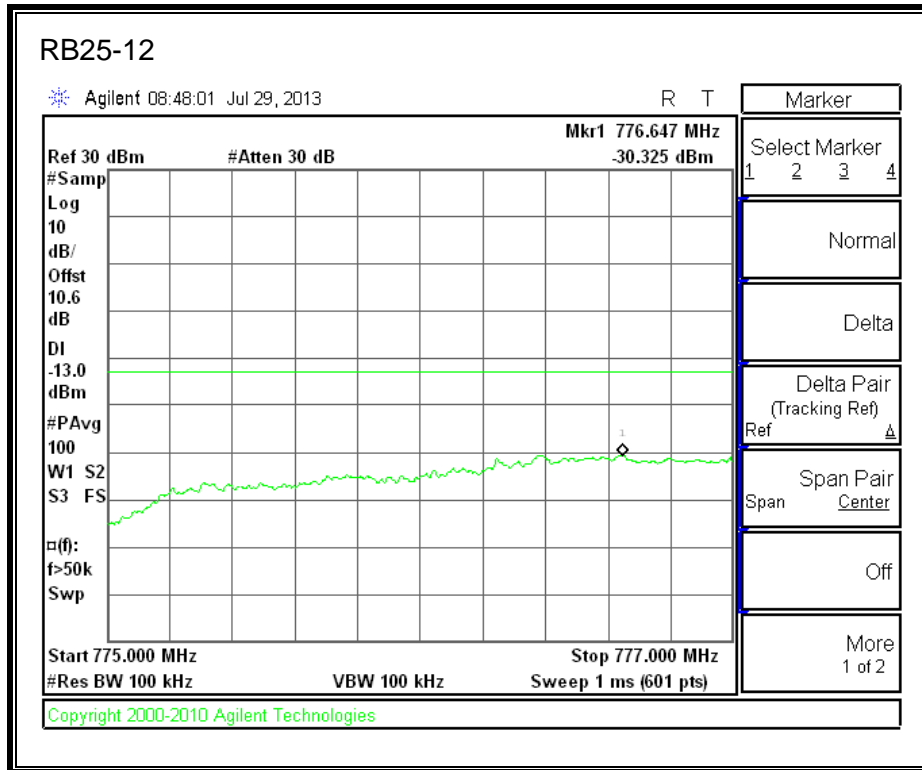
LTE 16QAM 784.5MHz Band 13, 793 - 805MHz (5MHz Bandwidth)



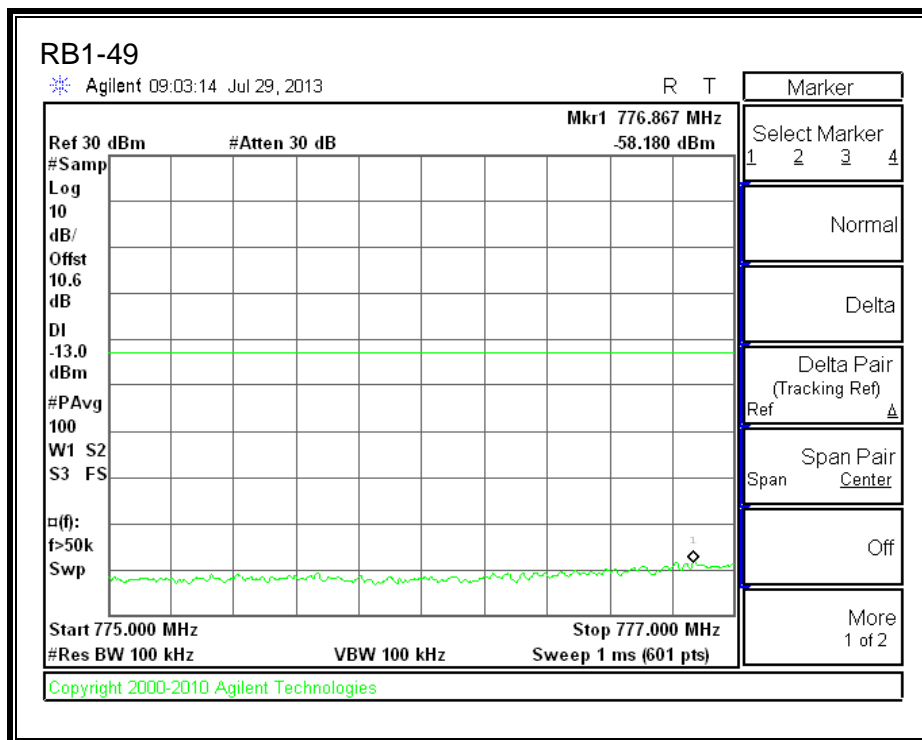
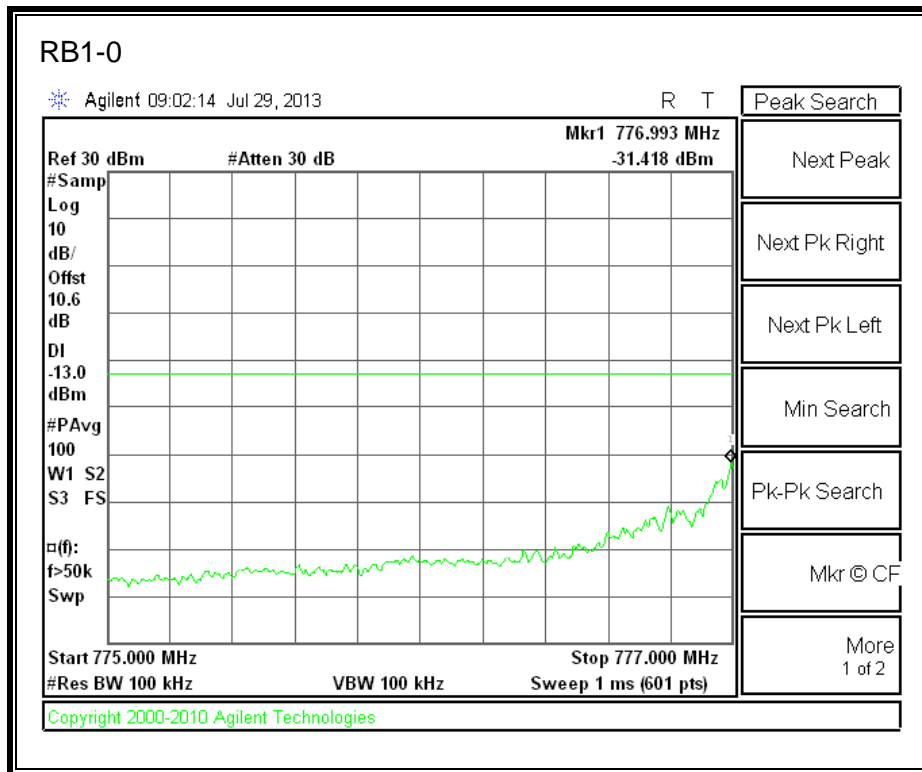


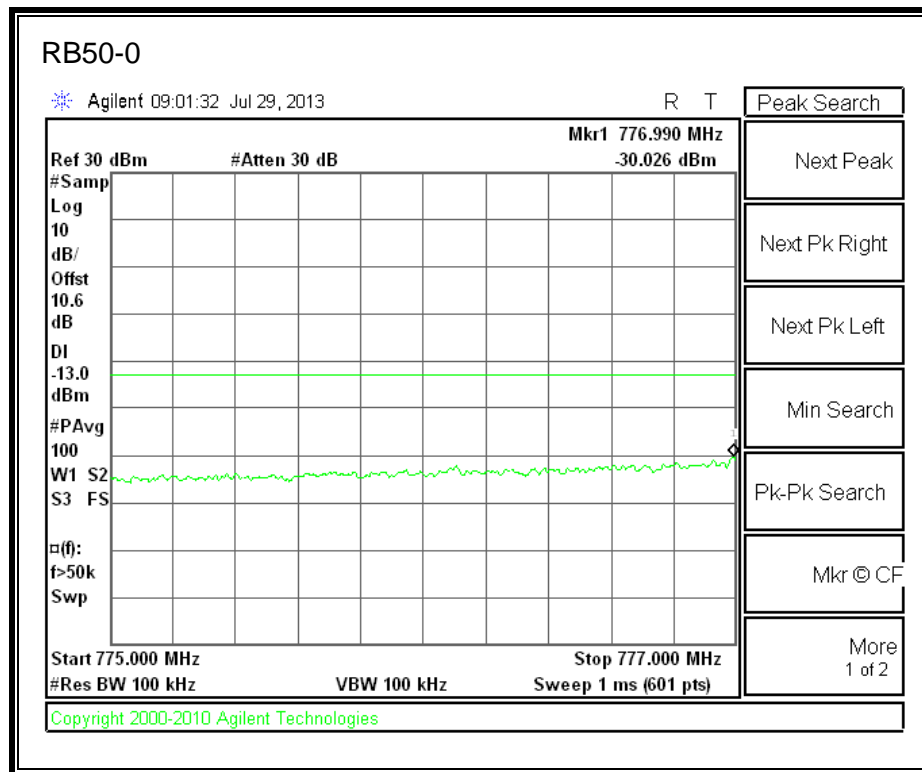
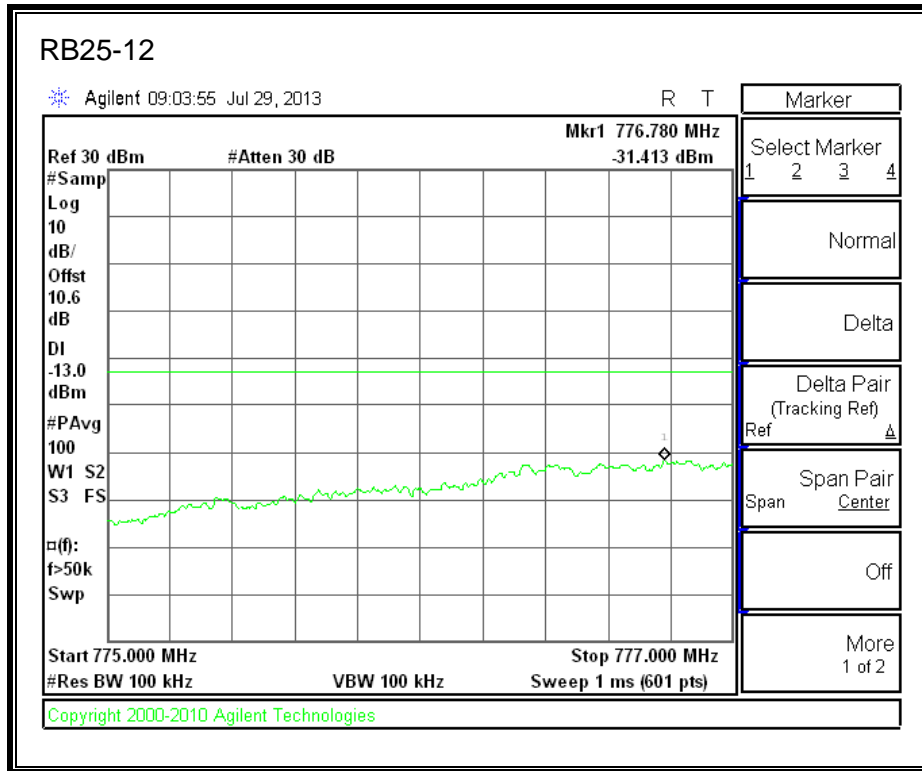
LTE QPSK 782MHz Band 13, 775 - 777MHz (10MHz Bandwidth)



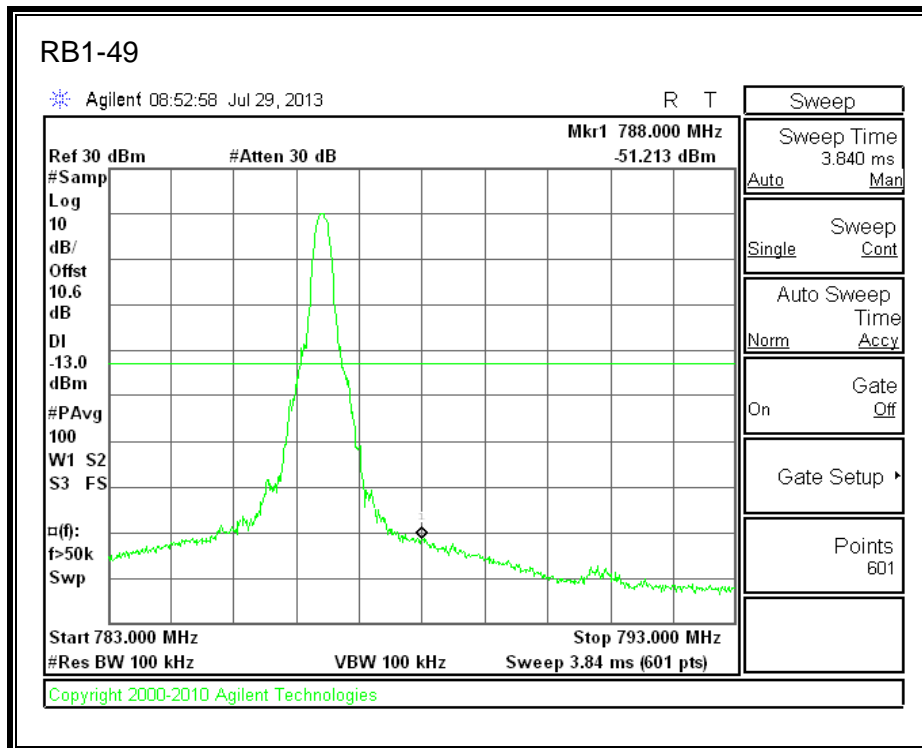
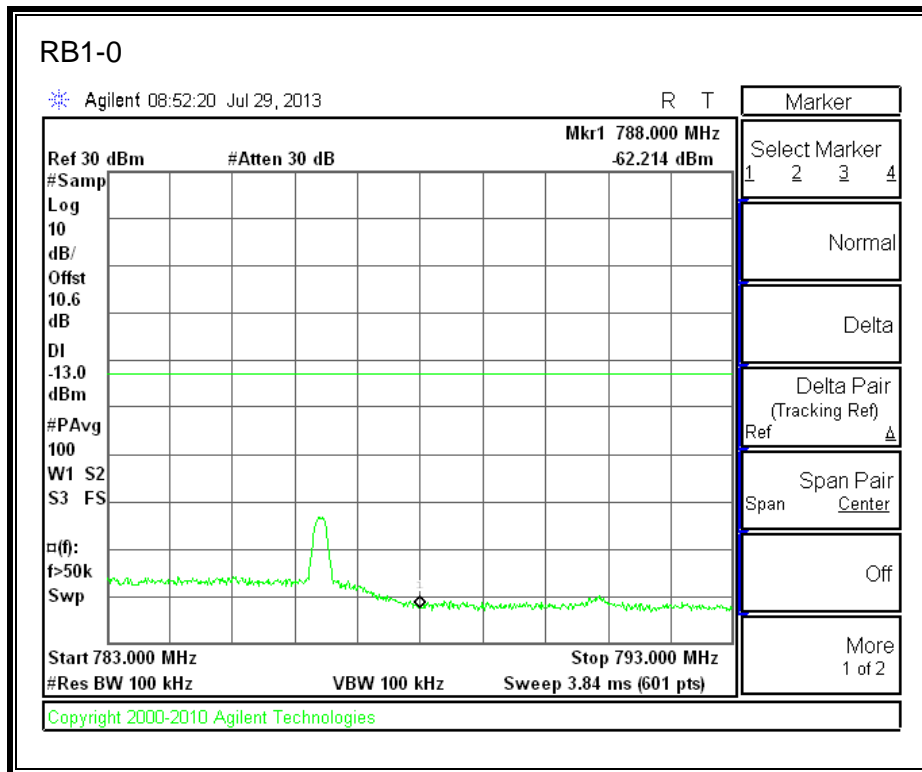


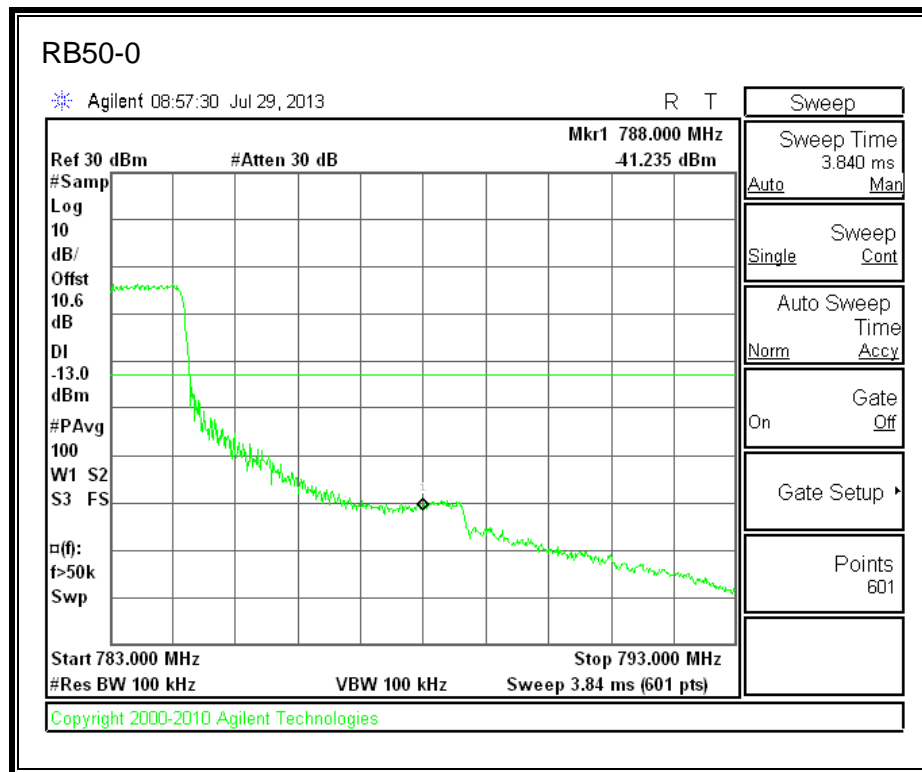
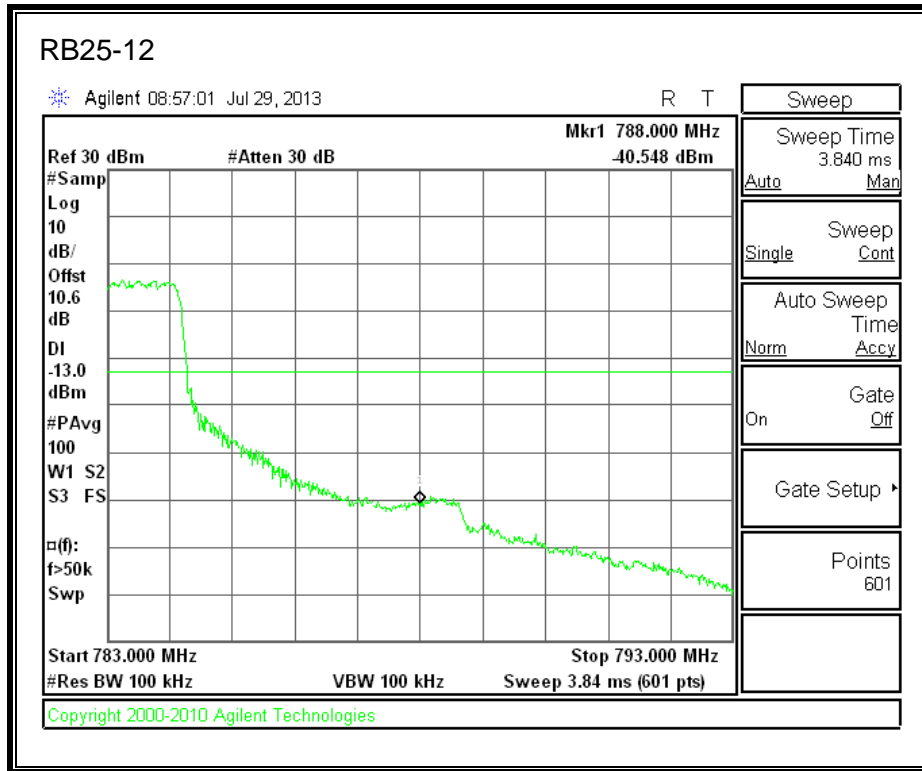
LTE 16QAM Band 13, 775 - 777MHz (10MHz Bandwidth)



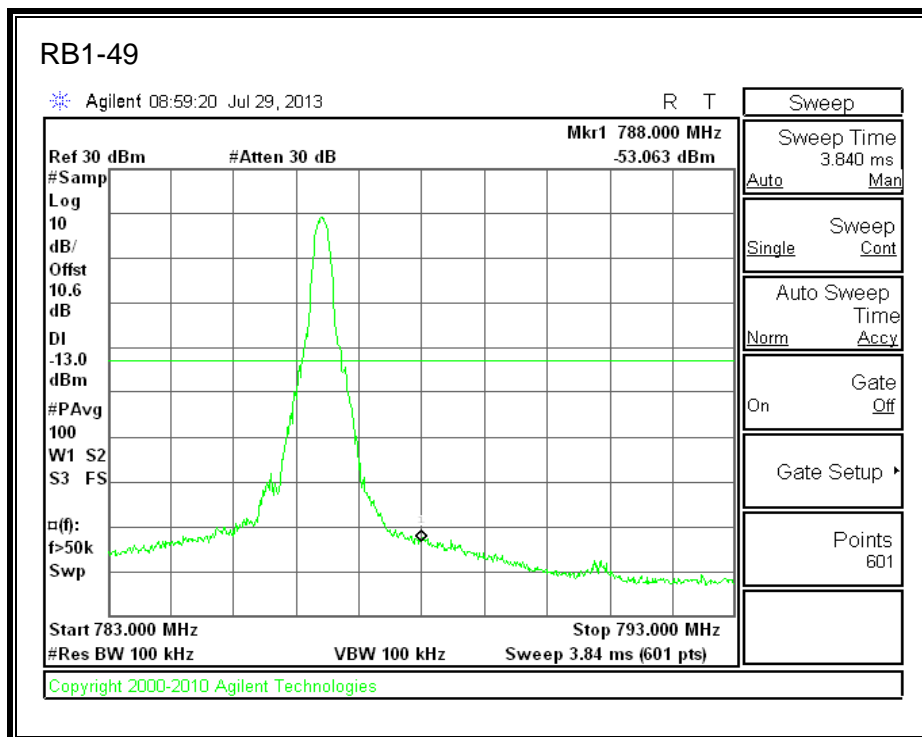
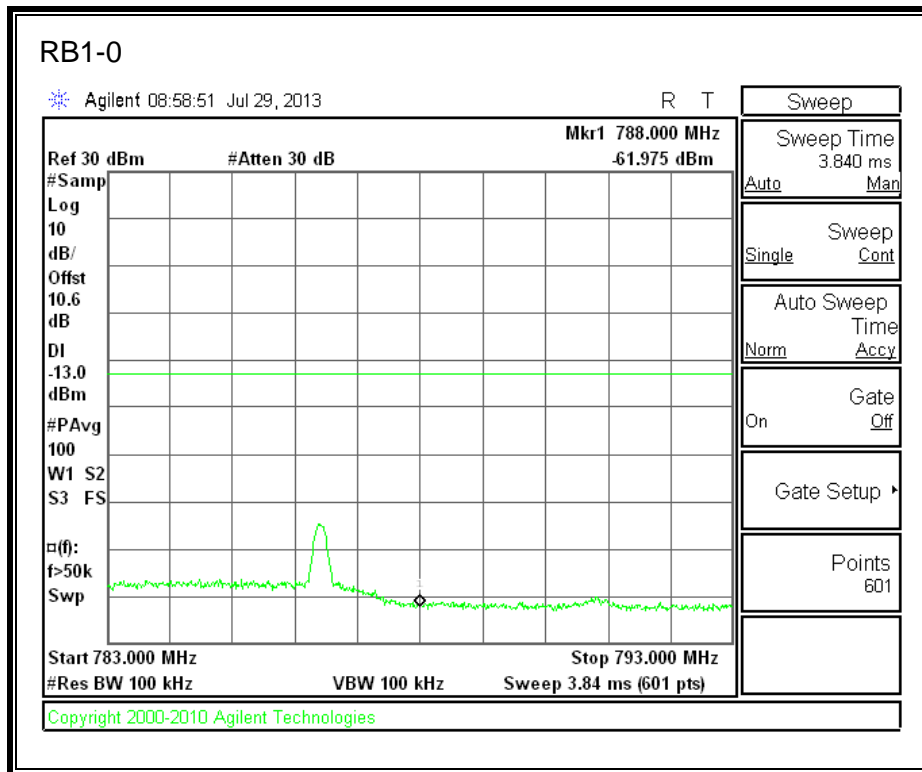


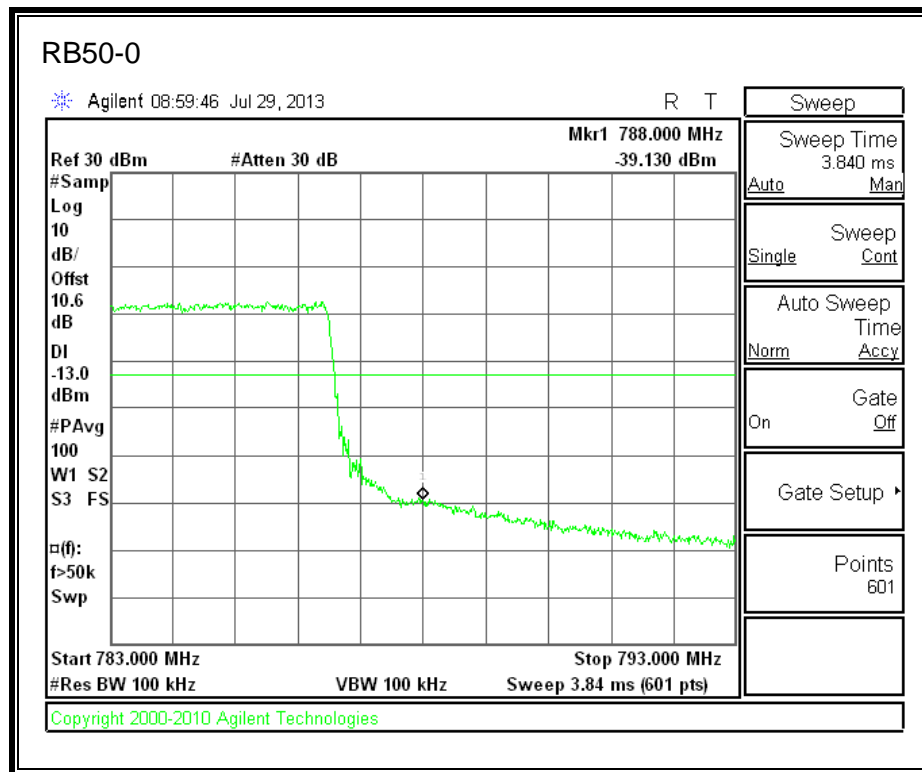
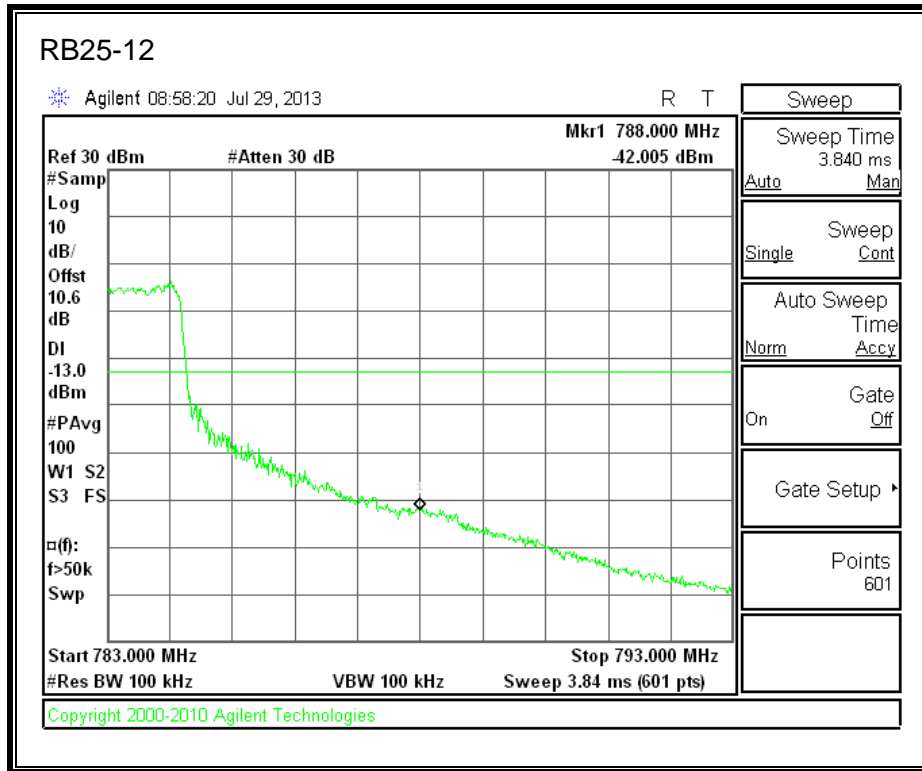
LTE QPSK 782MHz Band 13, 783 - 793MHz (10MHz Bandwidth)



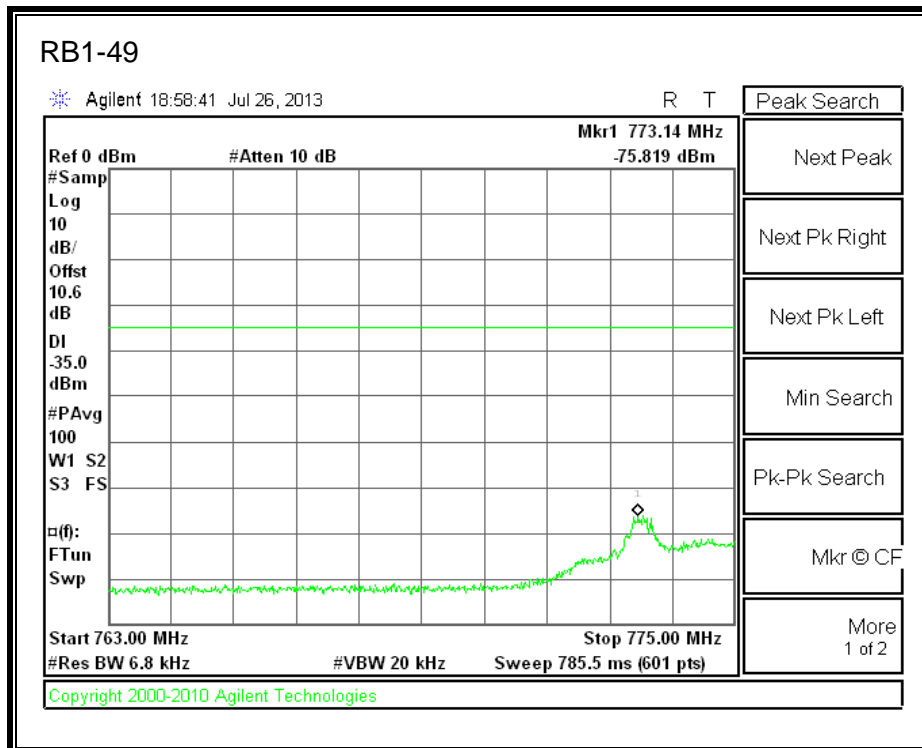
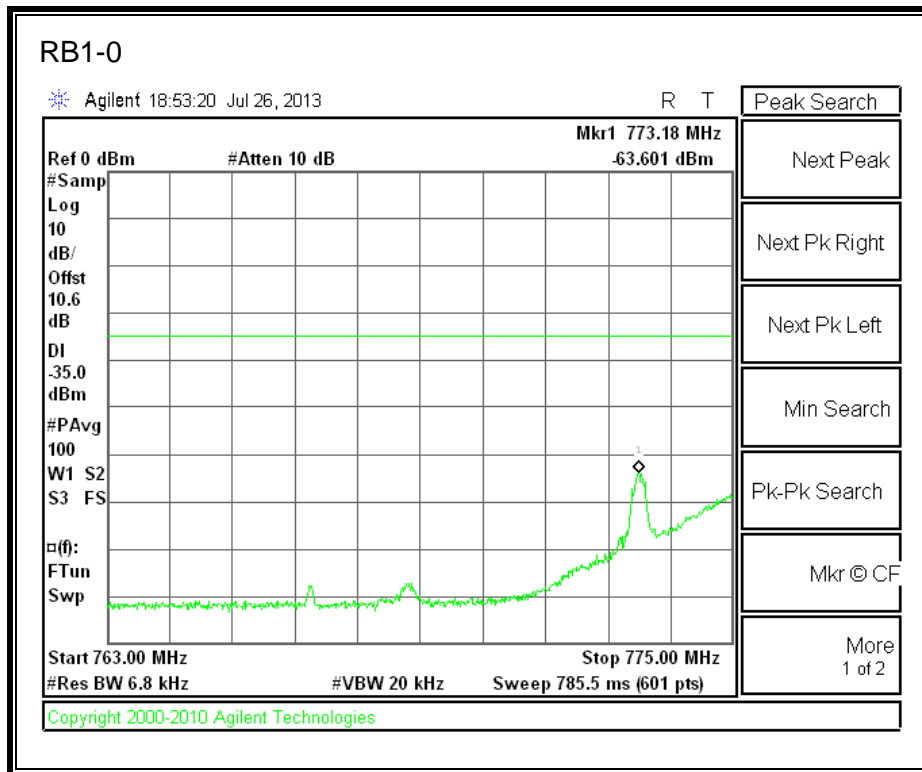


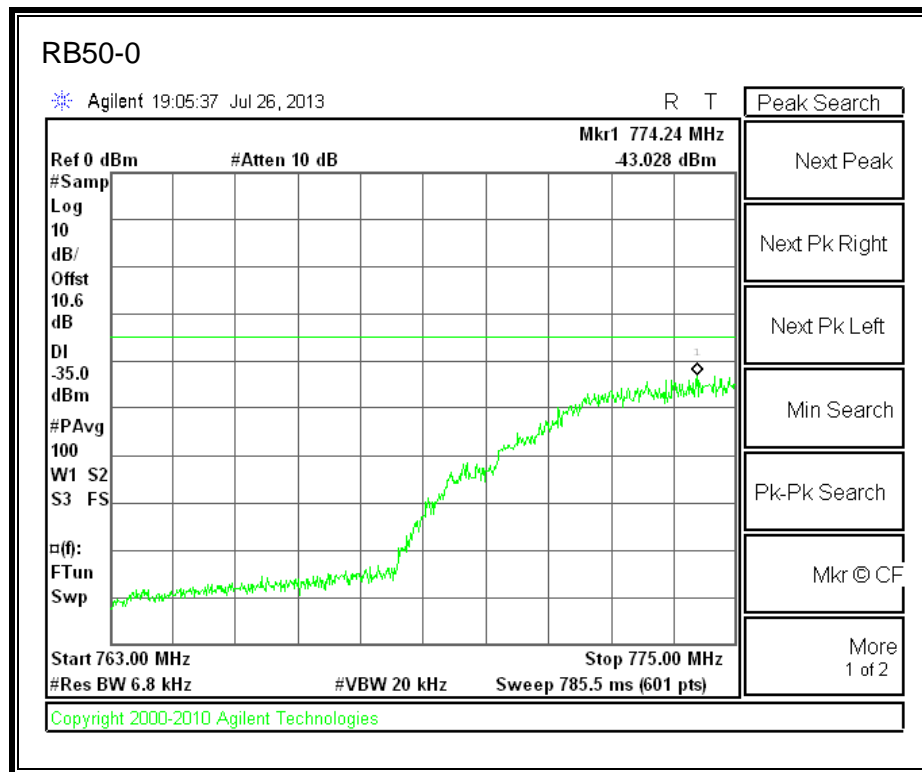
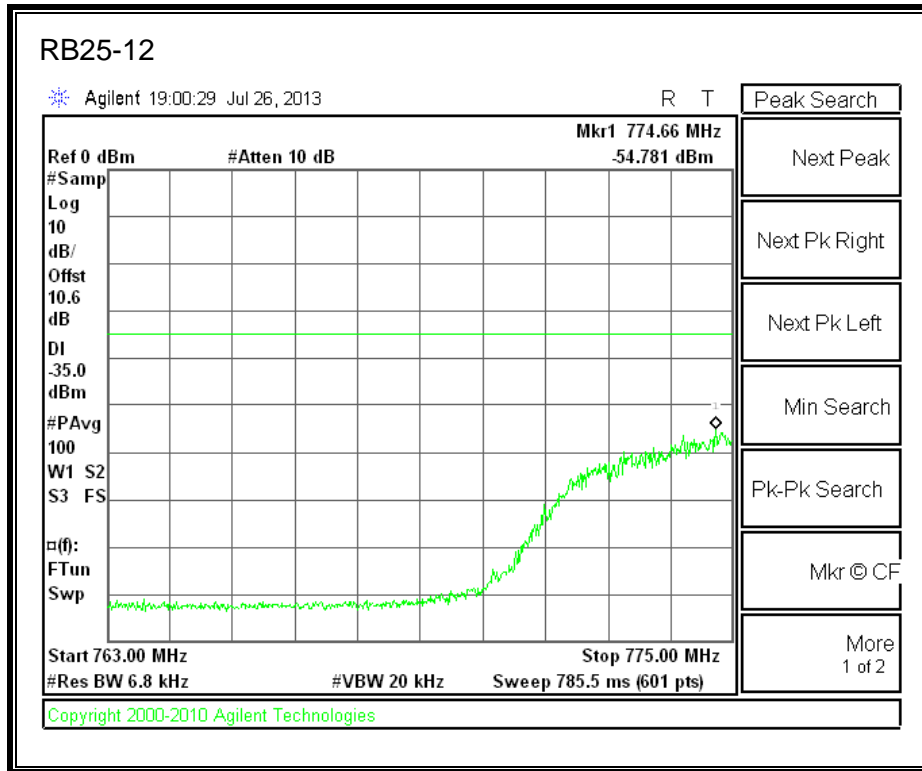
LTE 16QAM Band 13, 782MHz 783 - 793MHz (10MHz Bandwidth)



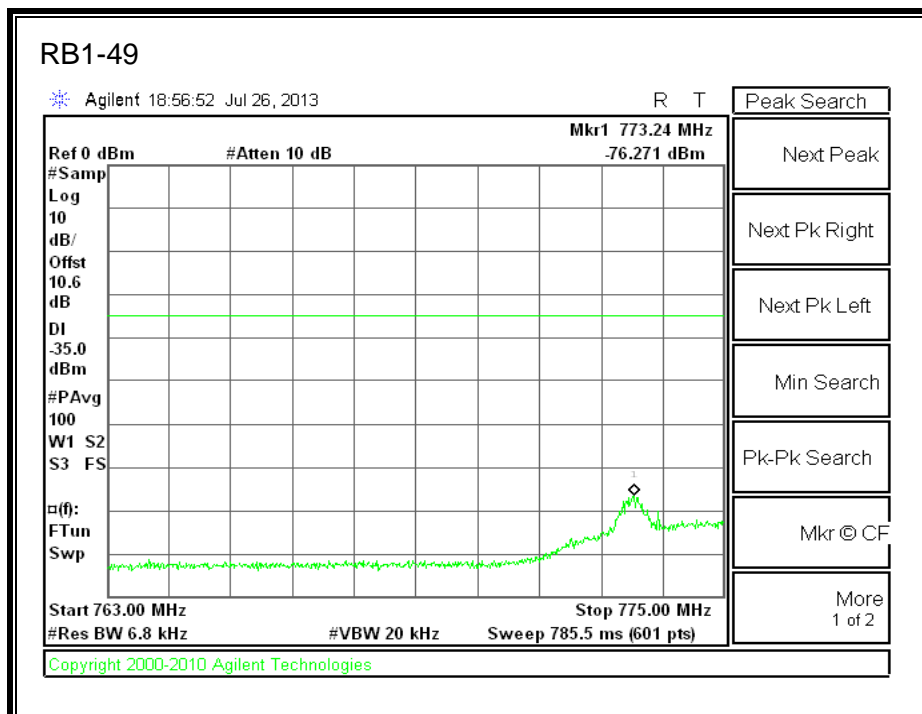
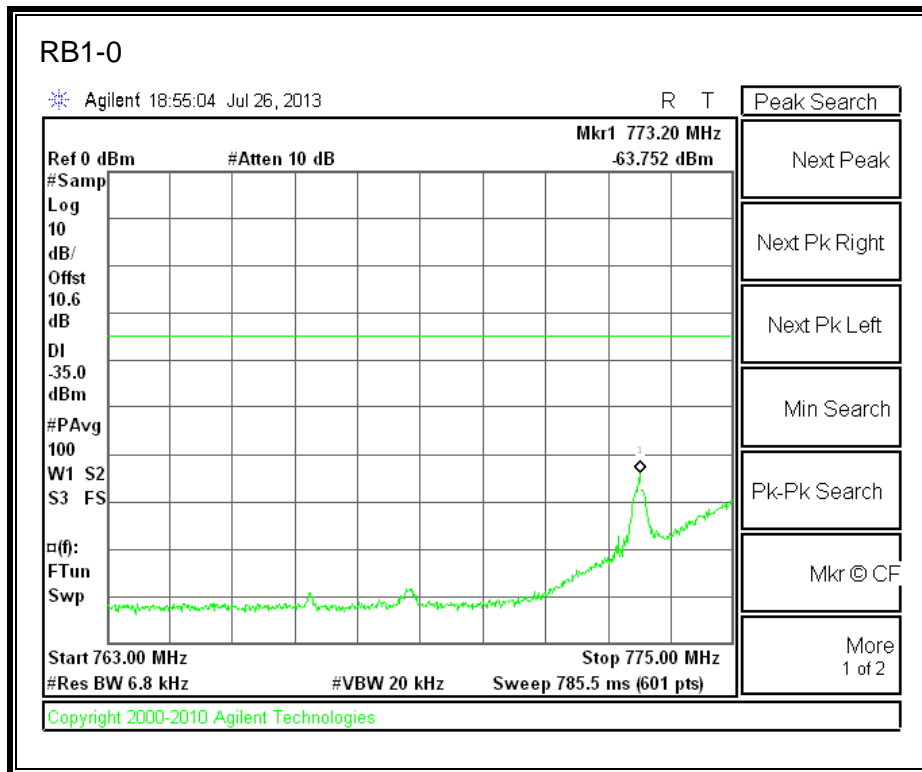


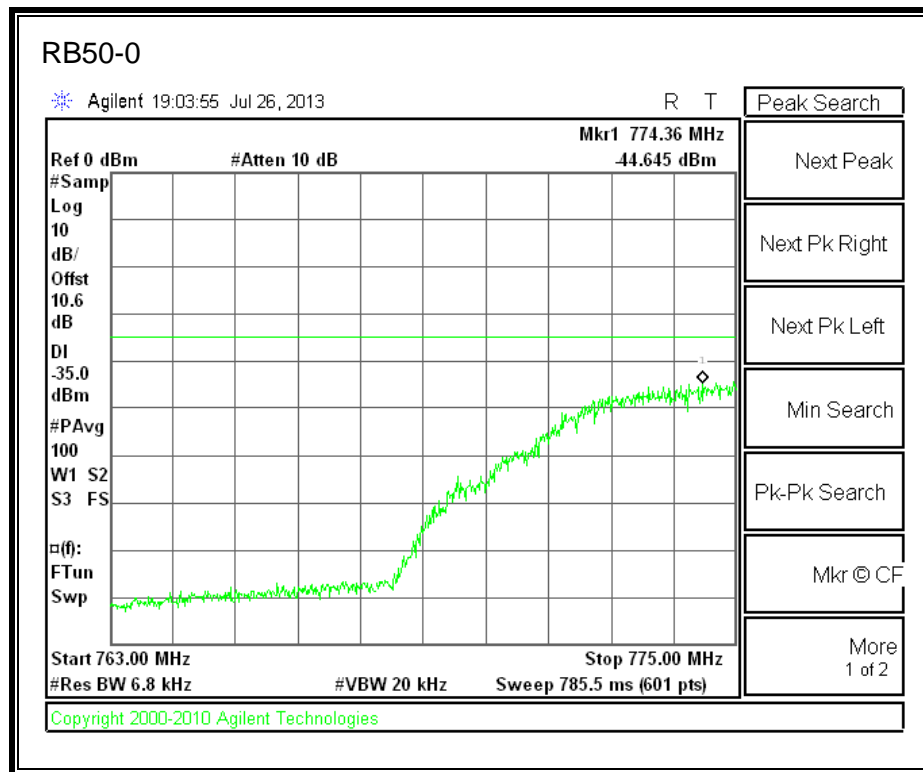
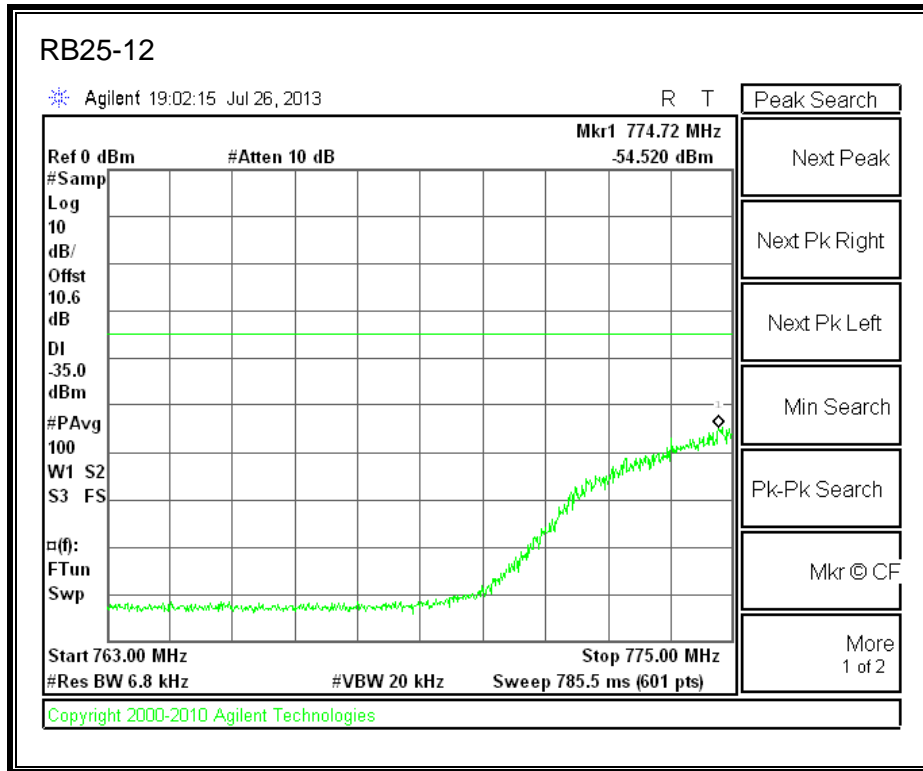
LTE QPSK 782MHz Band 13, 763 - 775MHz (10MHz Bandwidth)



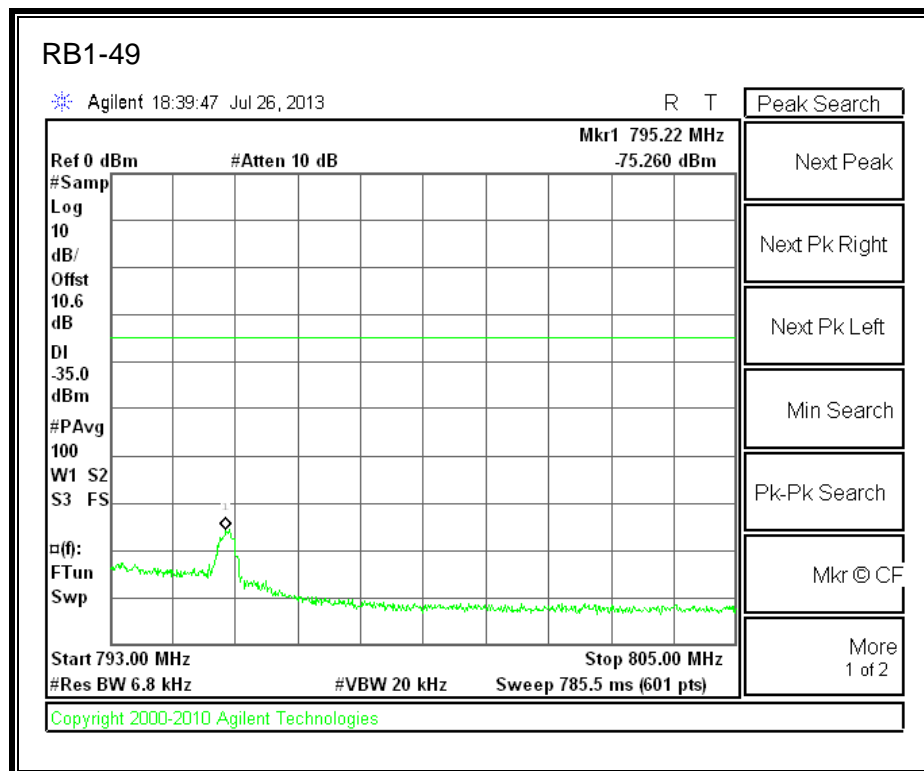
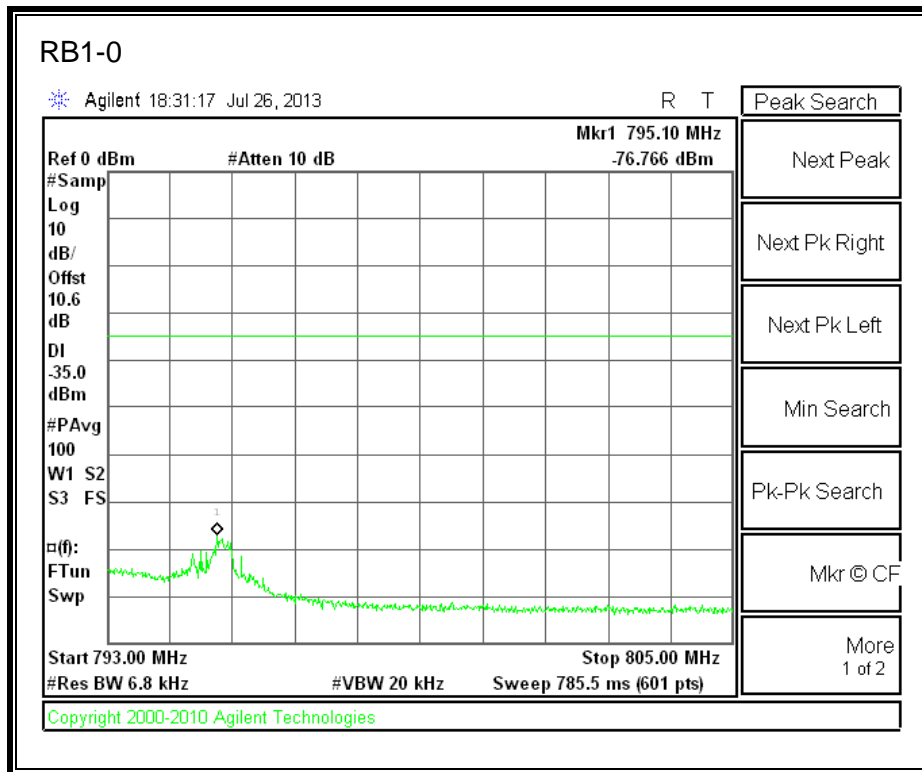


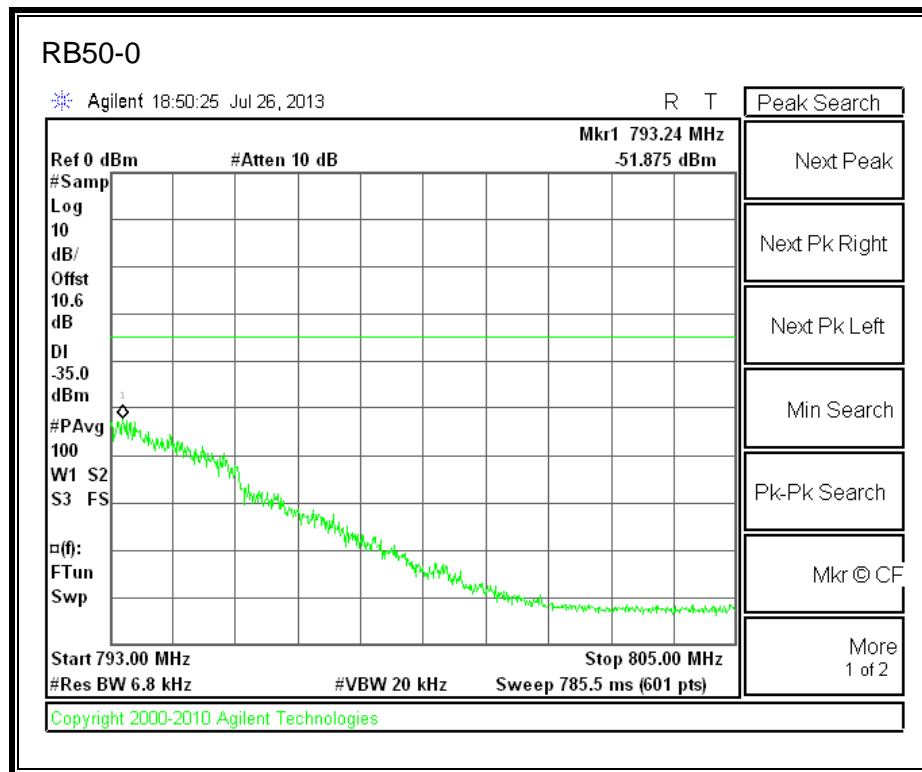
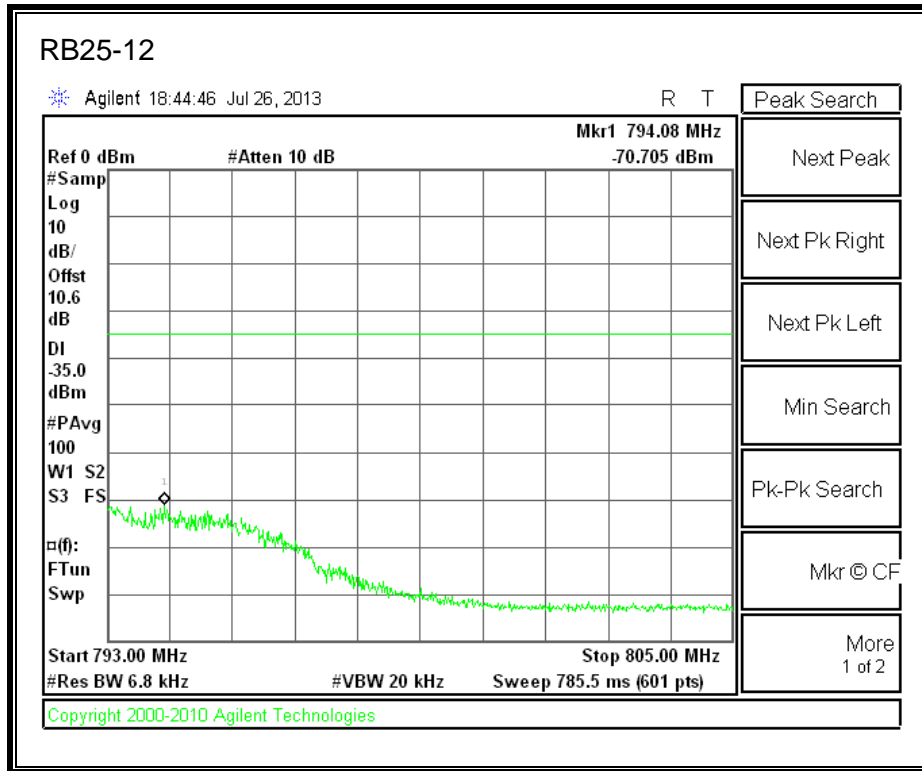
LTE 16QAM 782MHz Band 13, 763 - 775MHz (10MHz Bandwidth)



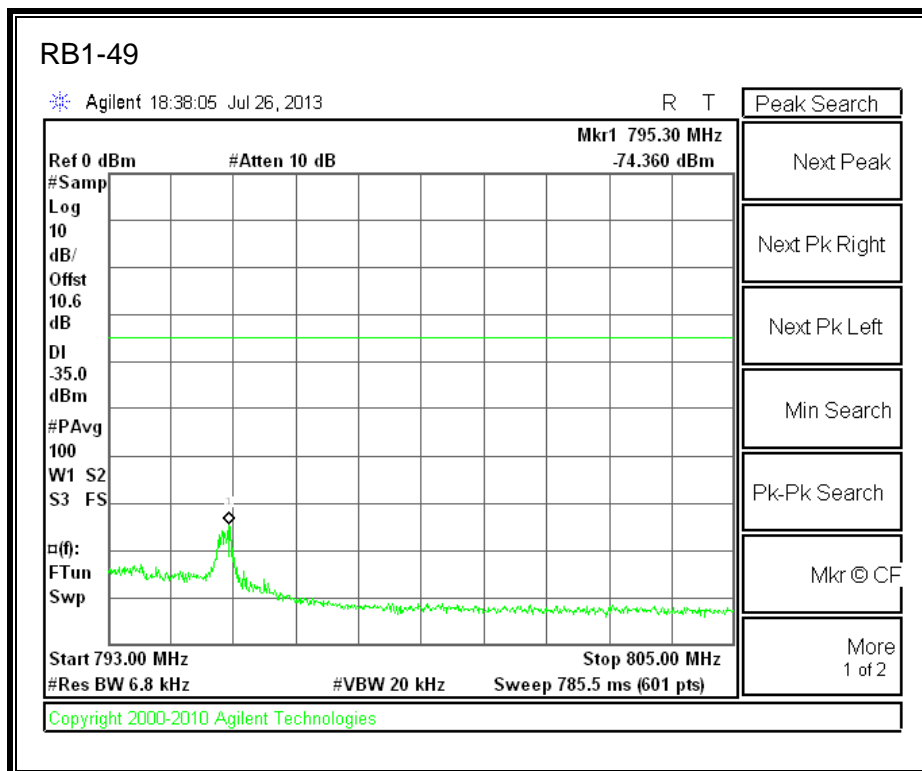
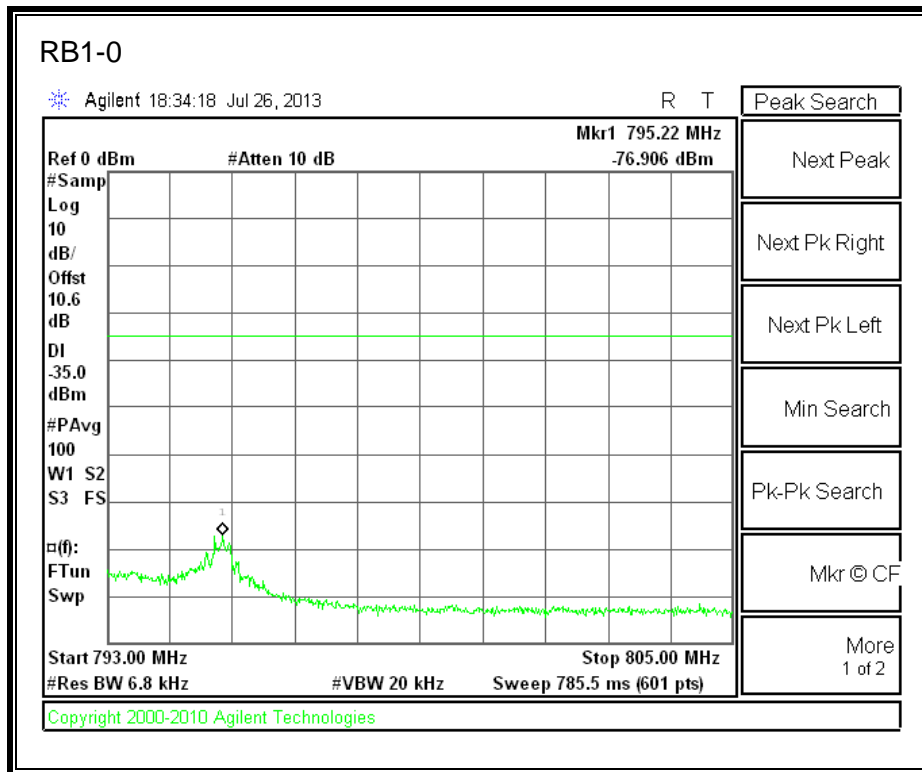


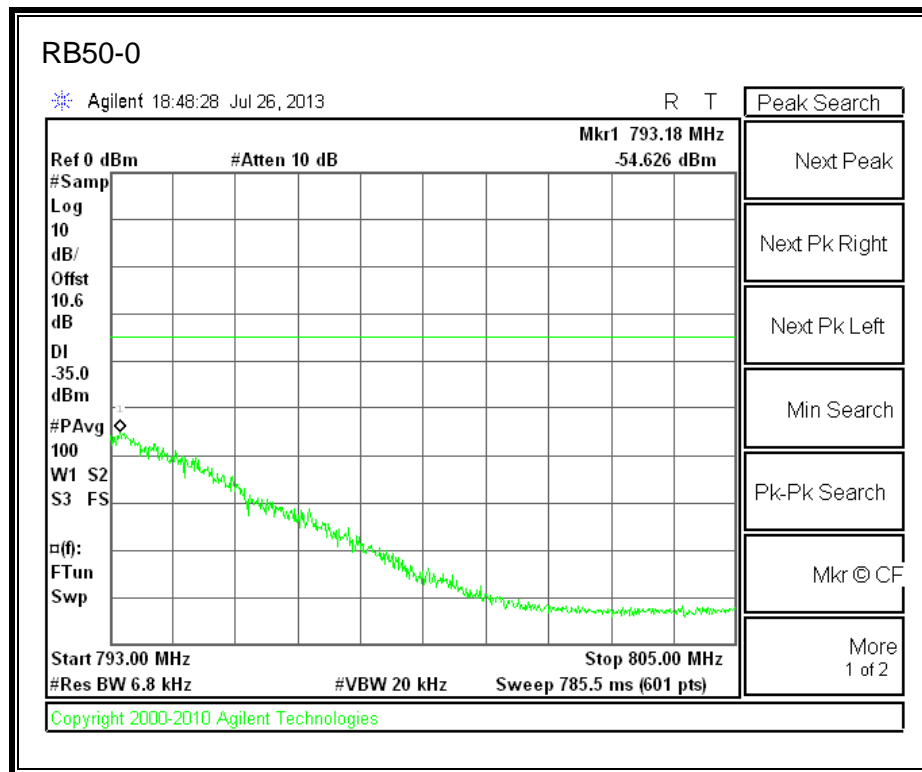
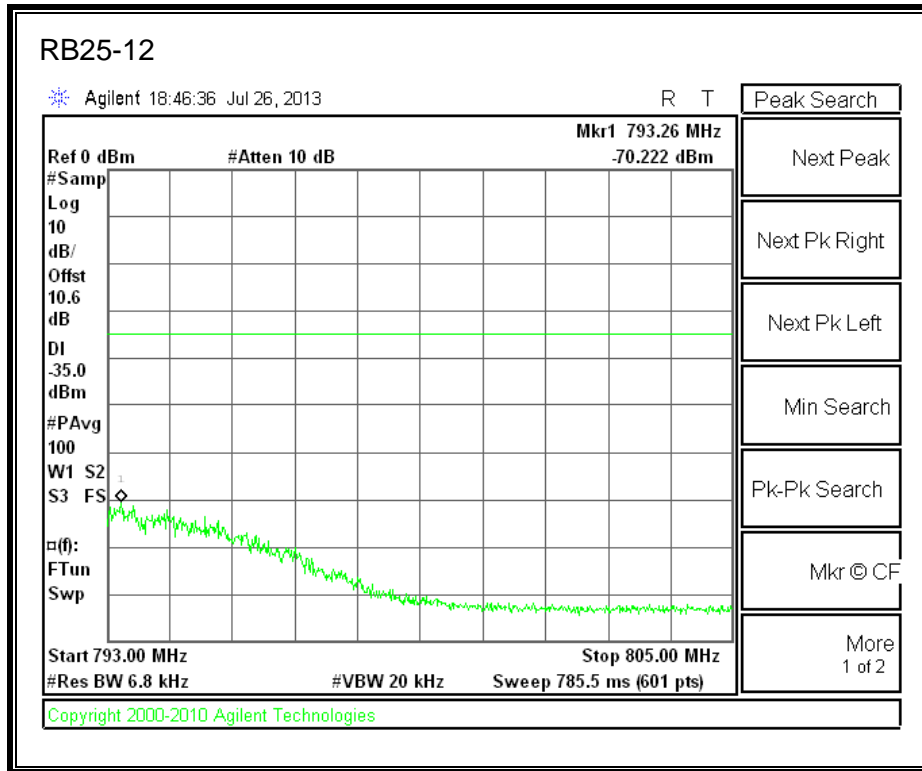
LTE QPSK Band 13, 793 - 805MHz (10MHz Bandwidth)





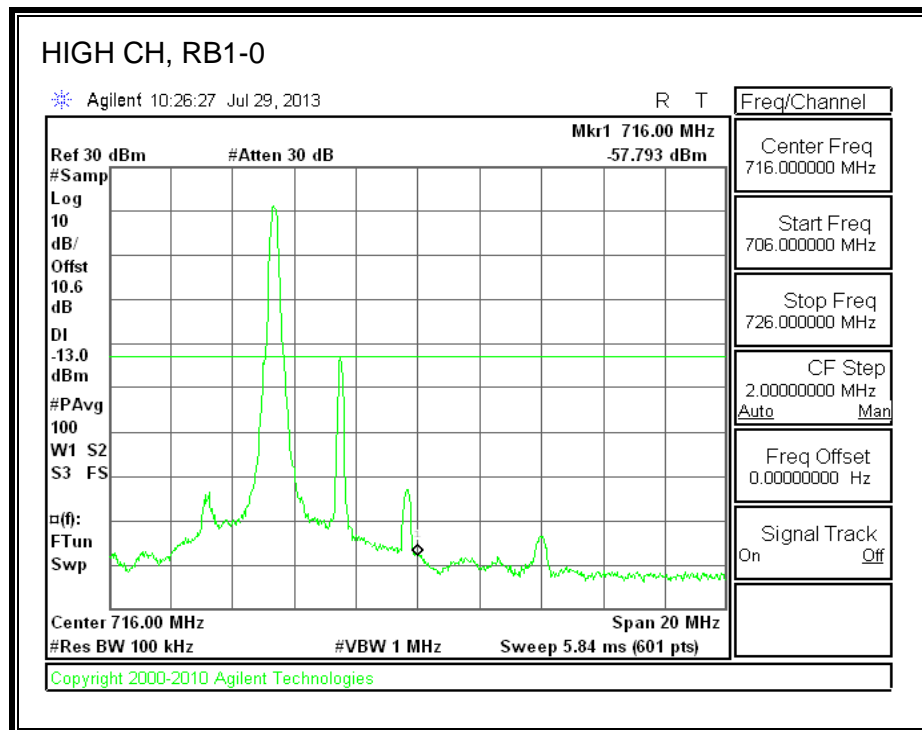
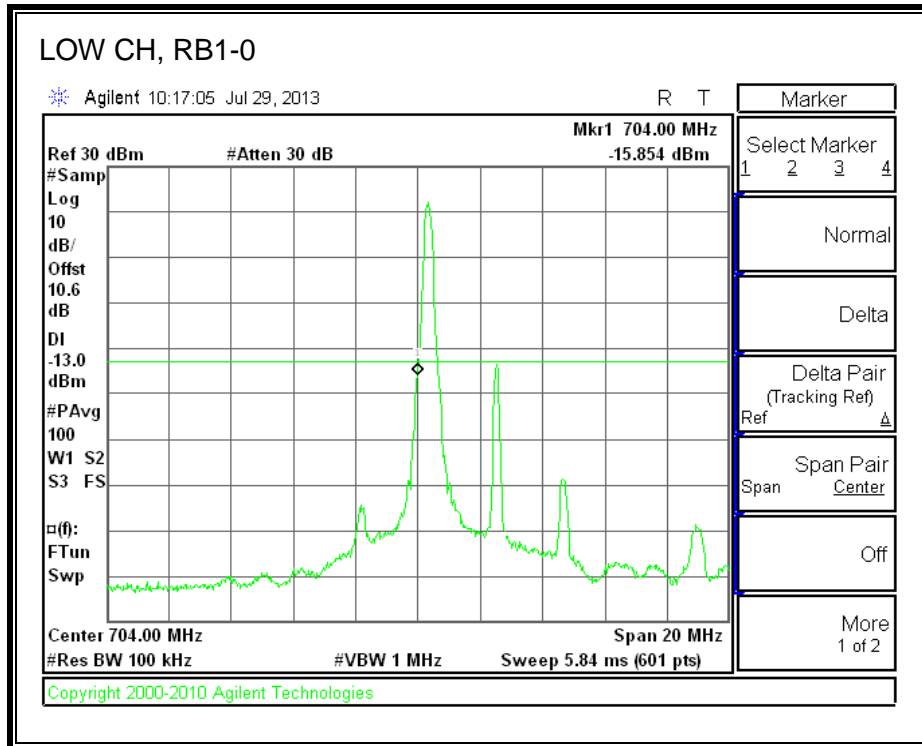
LTE 16QAM Band 13, 793 - 805MHz (10MHz Bandwidth)

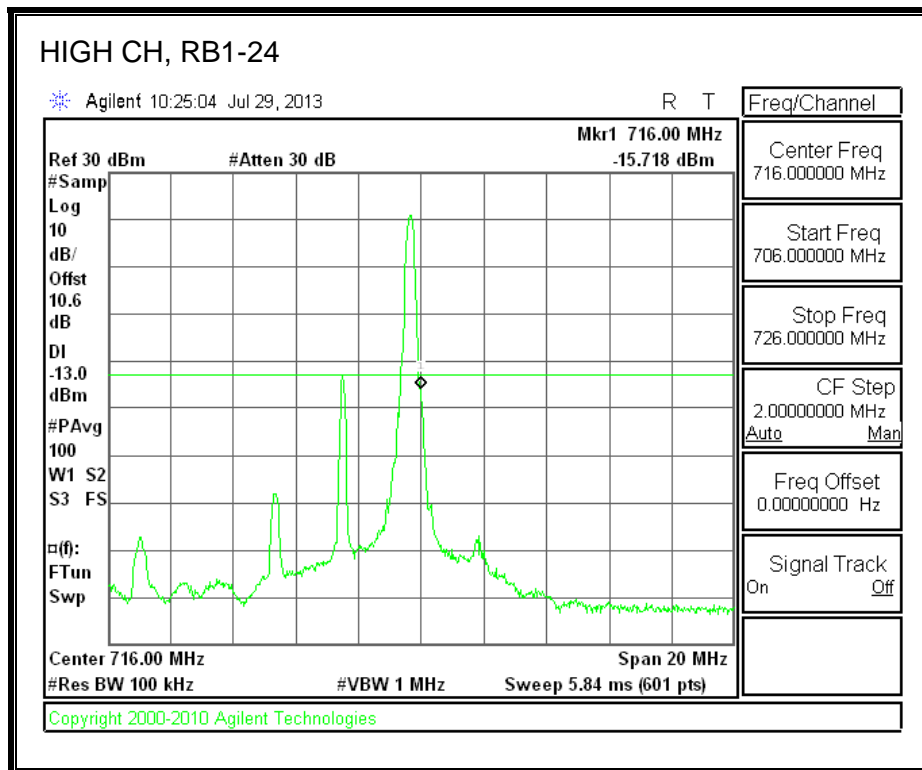
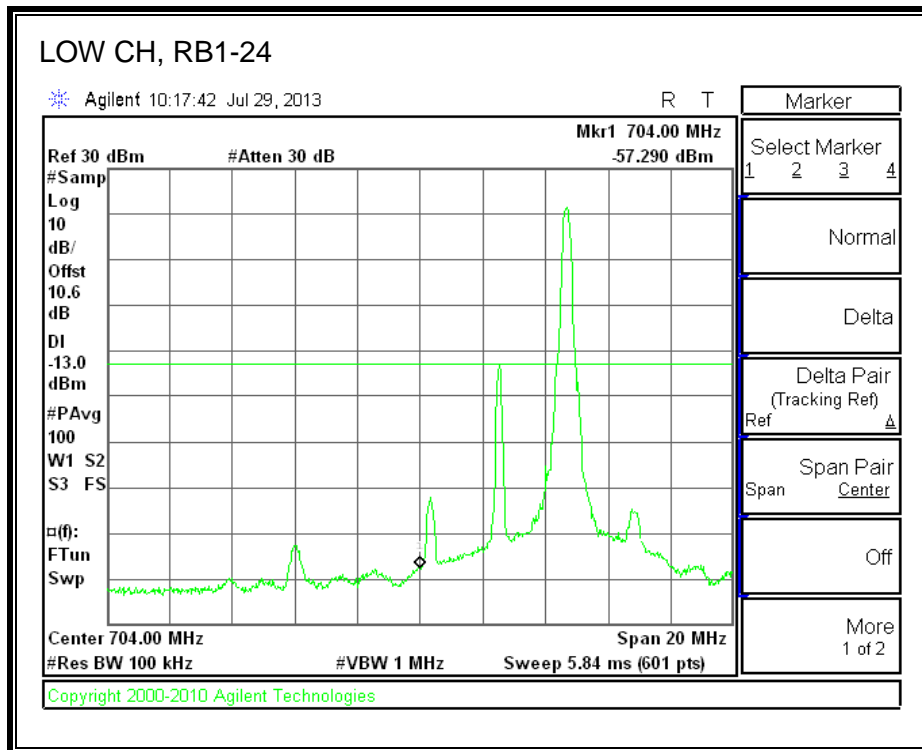


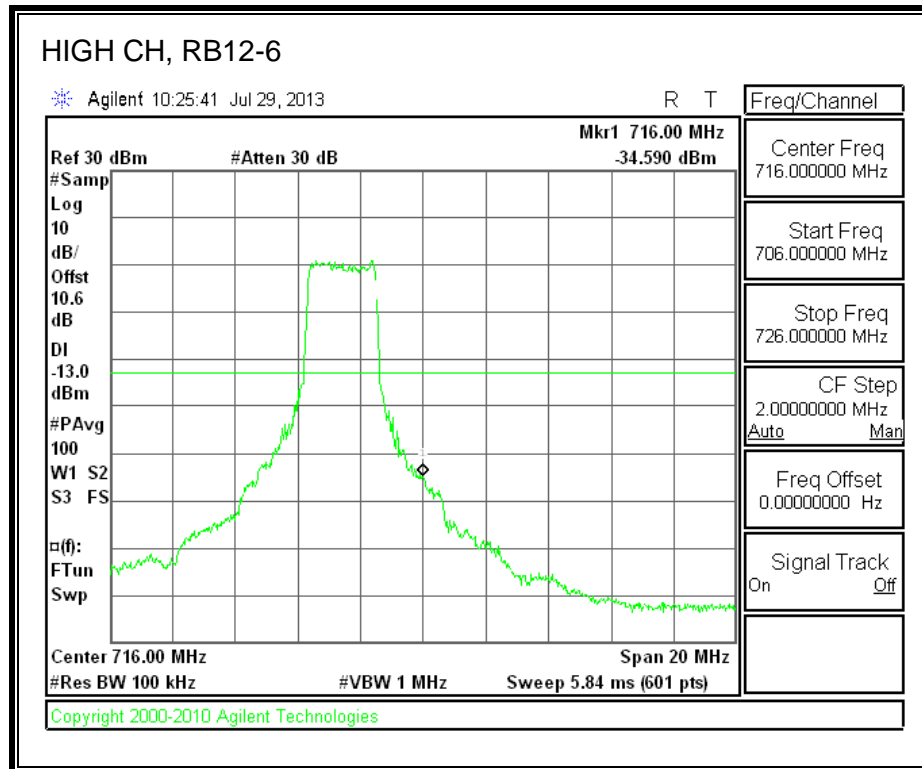
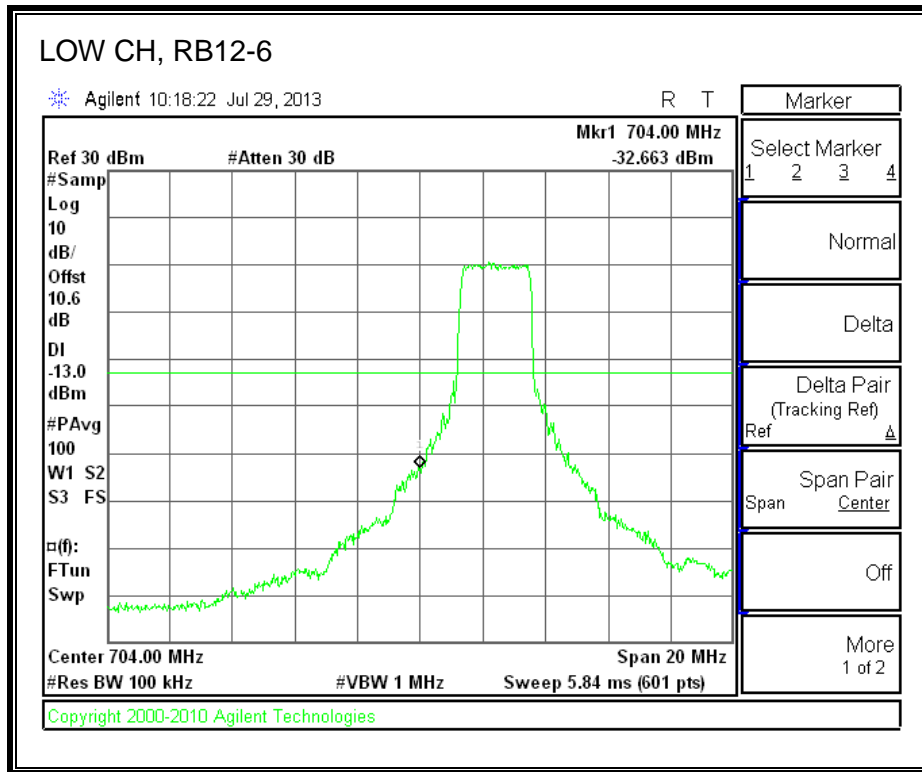


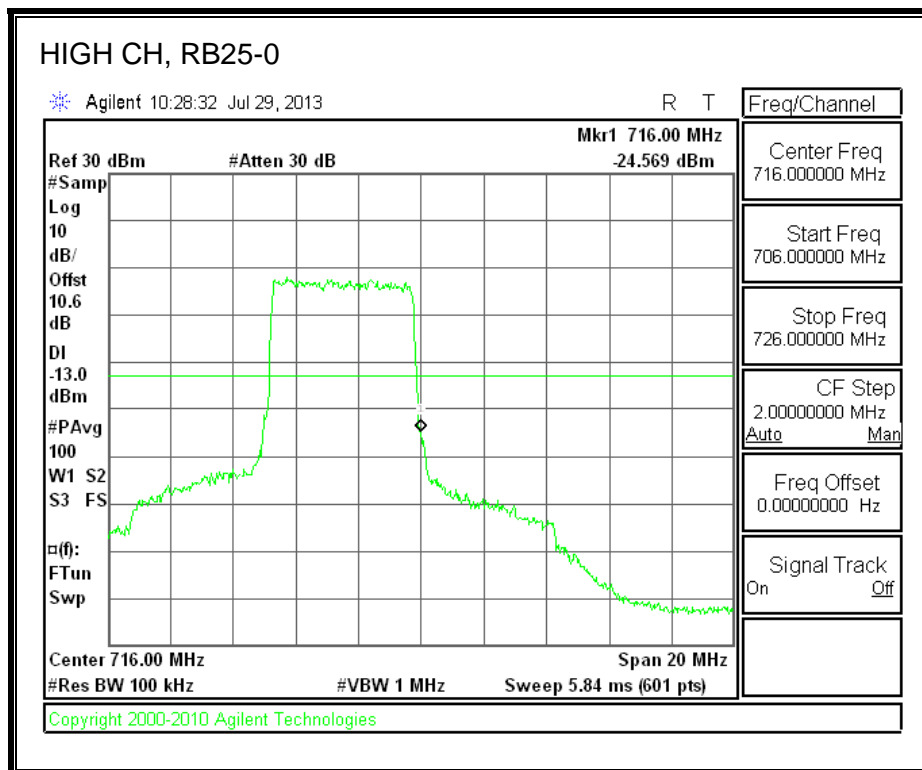
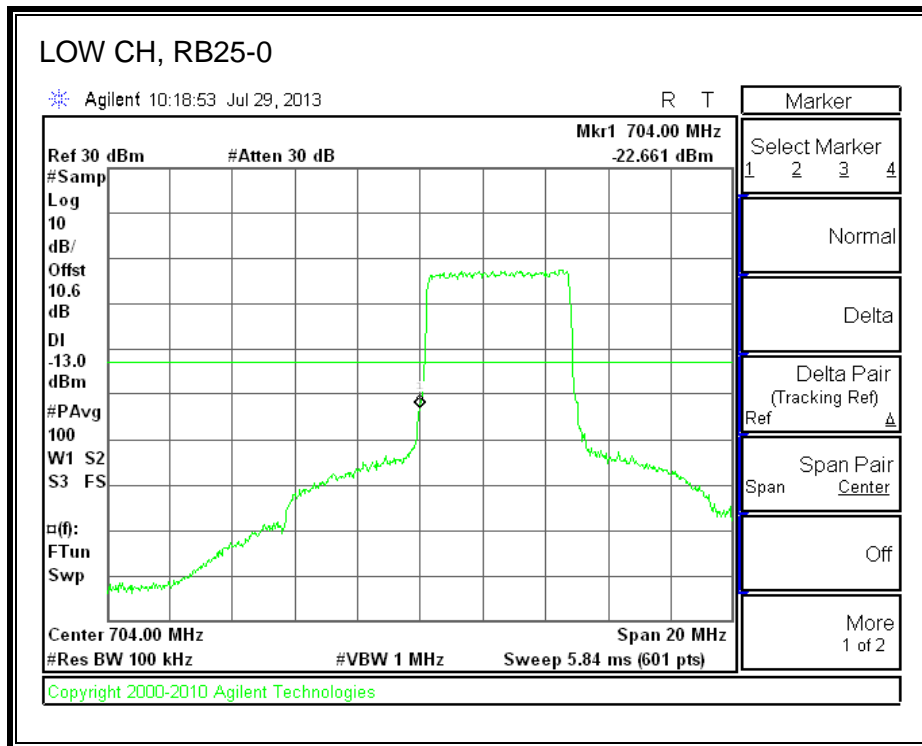
8.2.5. LTE BAND 17

5.0 MHz (QPSK)

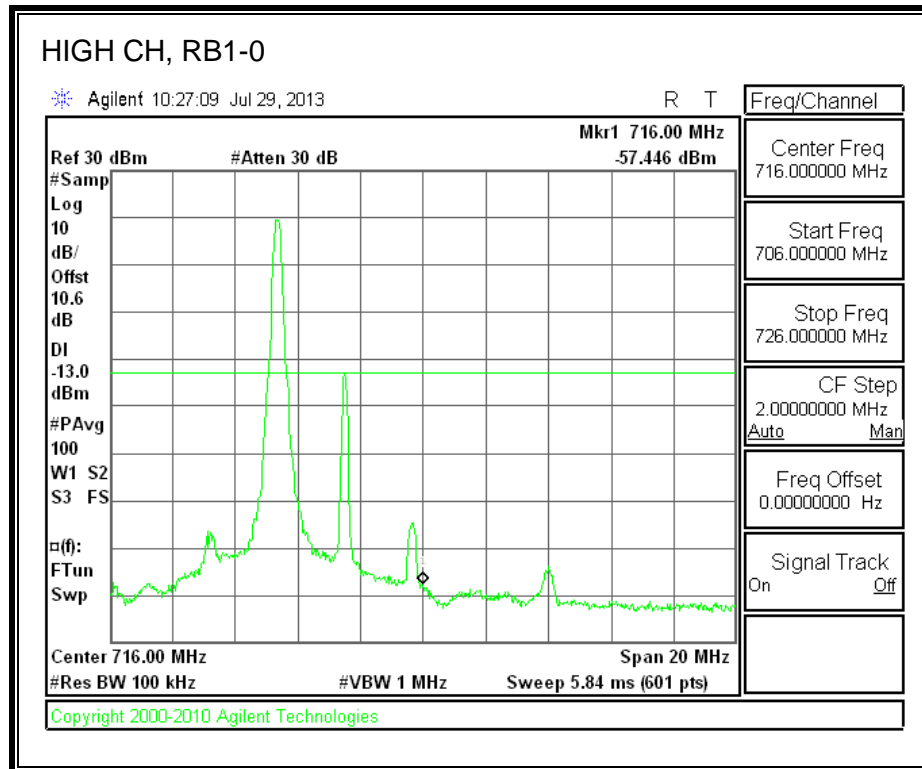
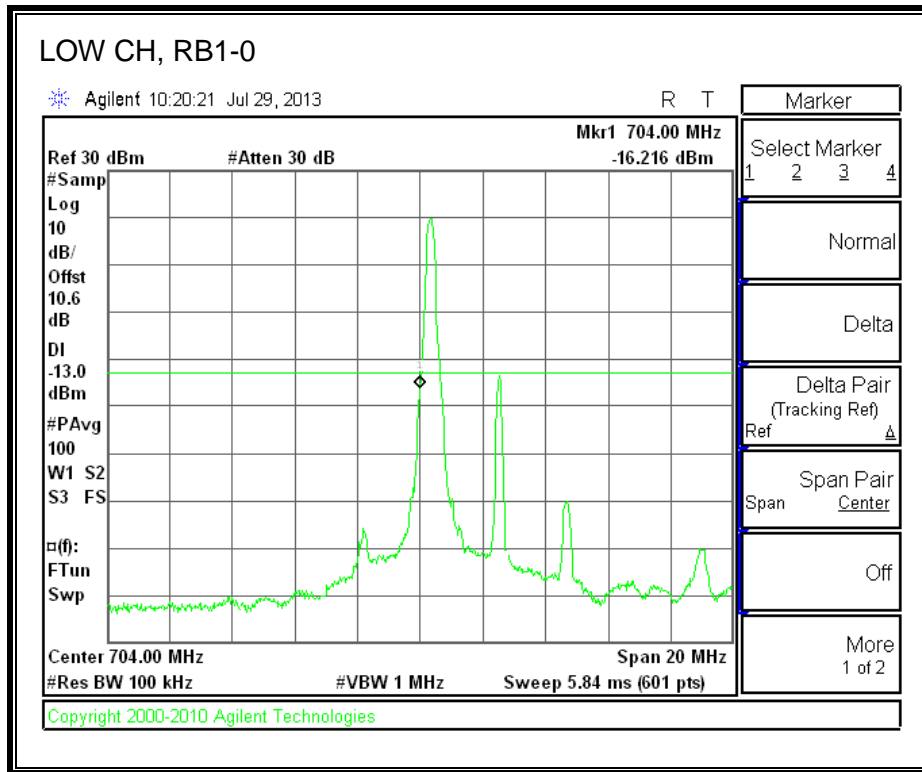


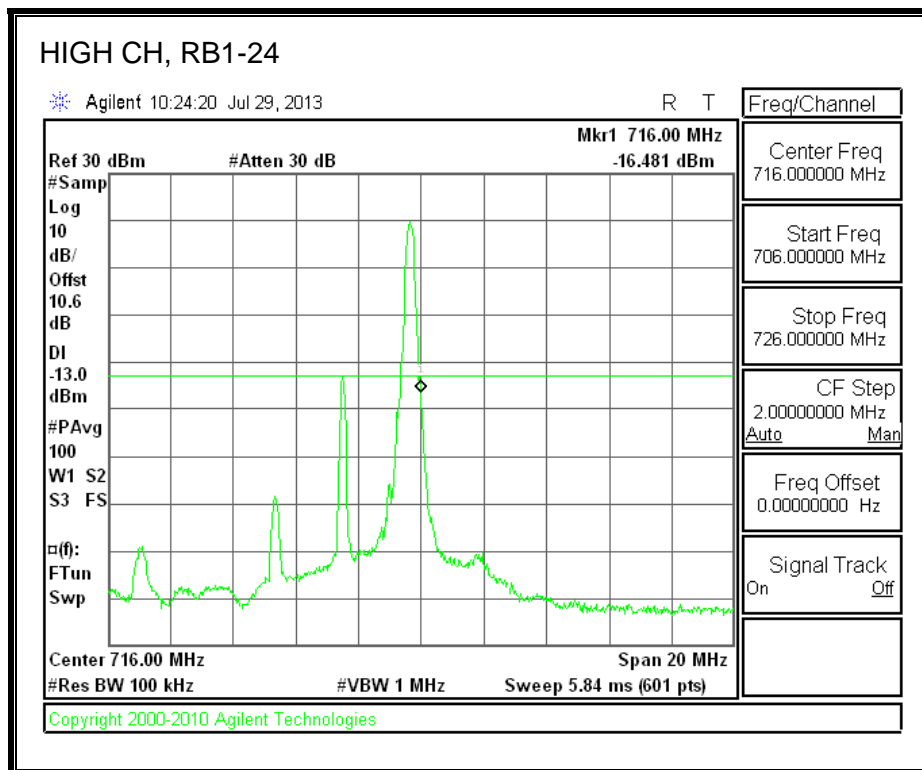
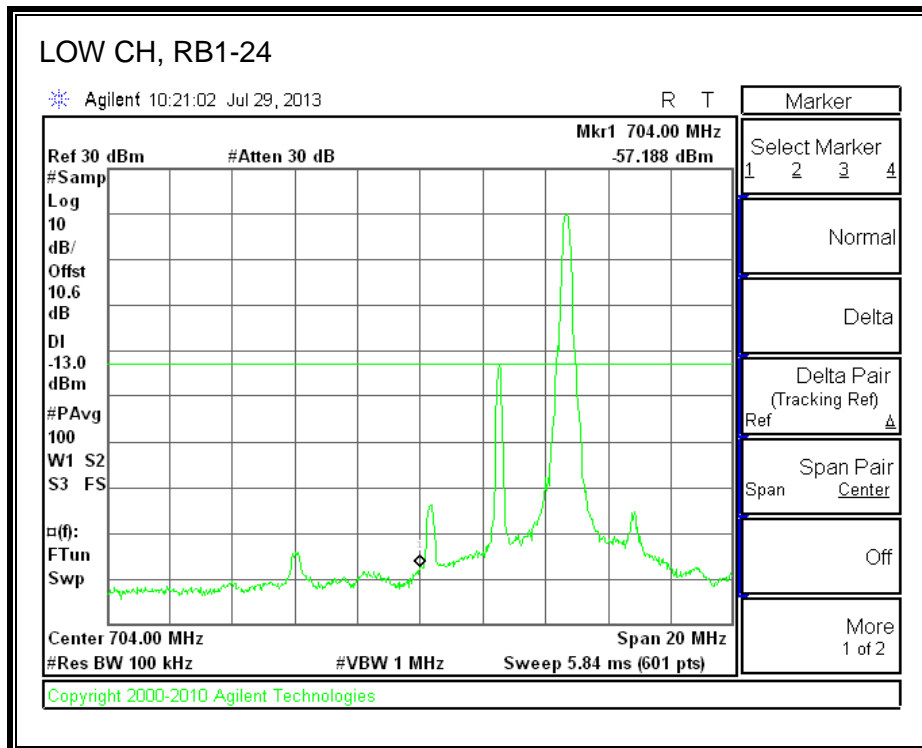


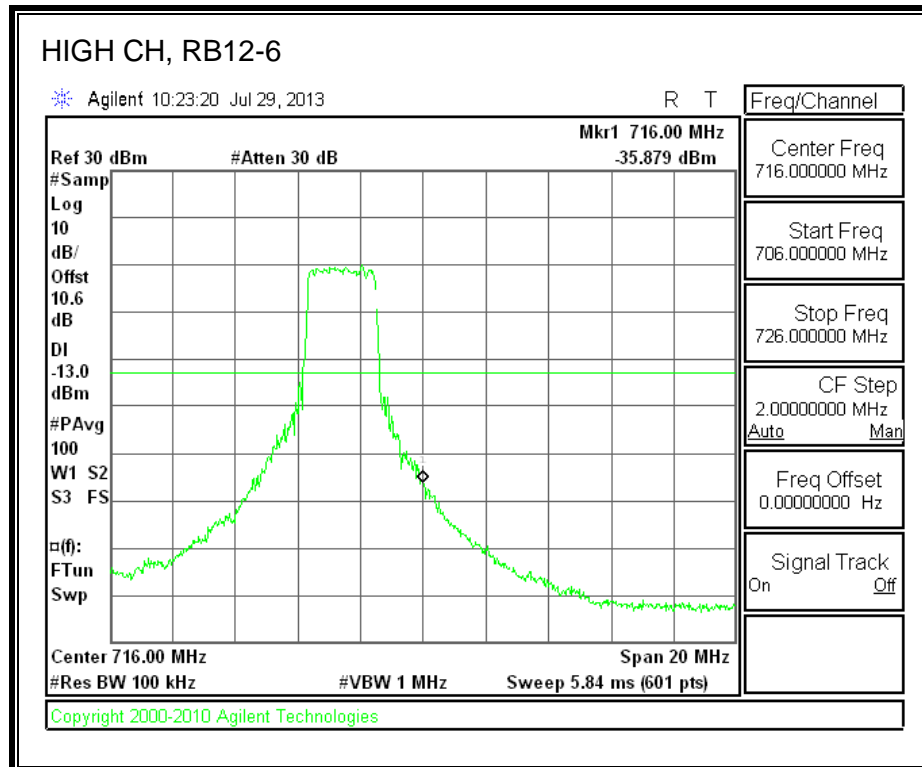
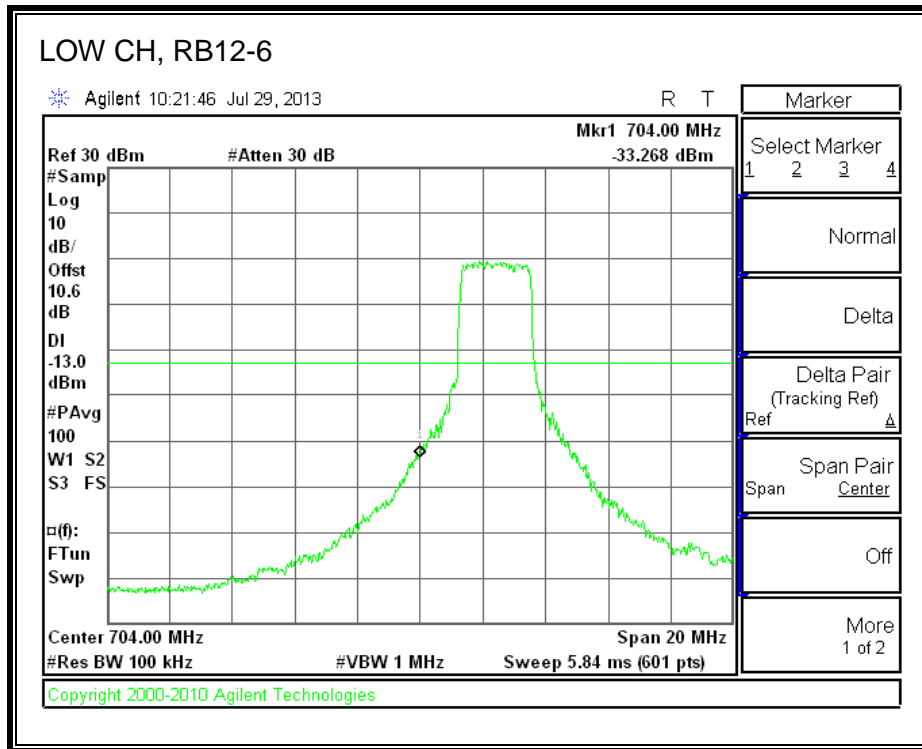


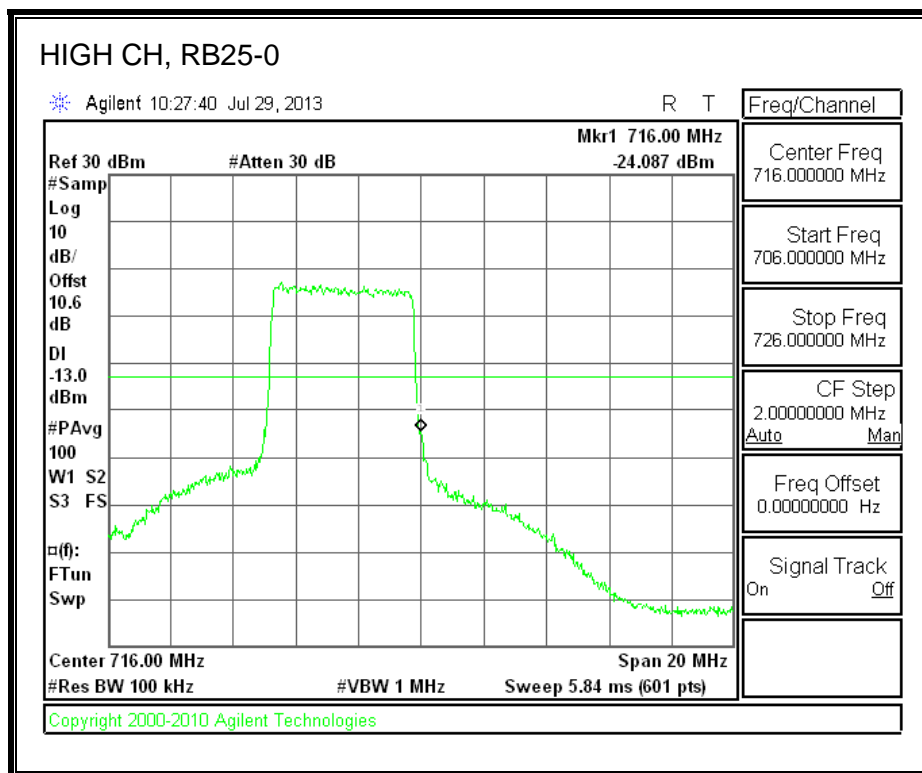
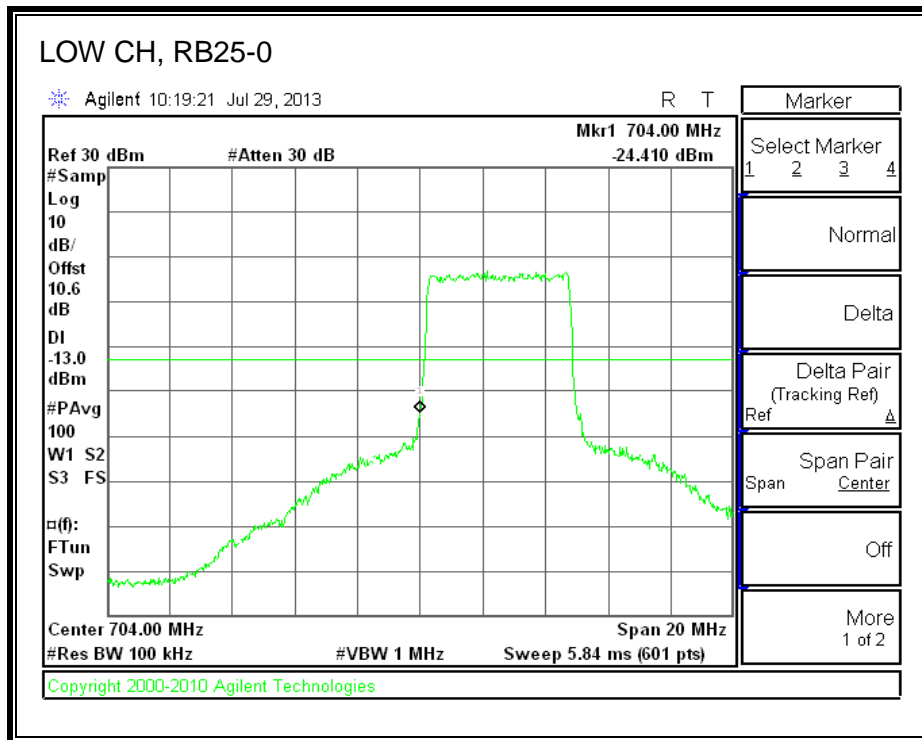


LTE 16QAM Band 17 (5.0 MHz BAND WIDTH)

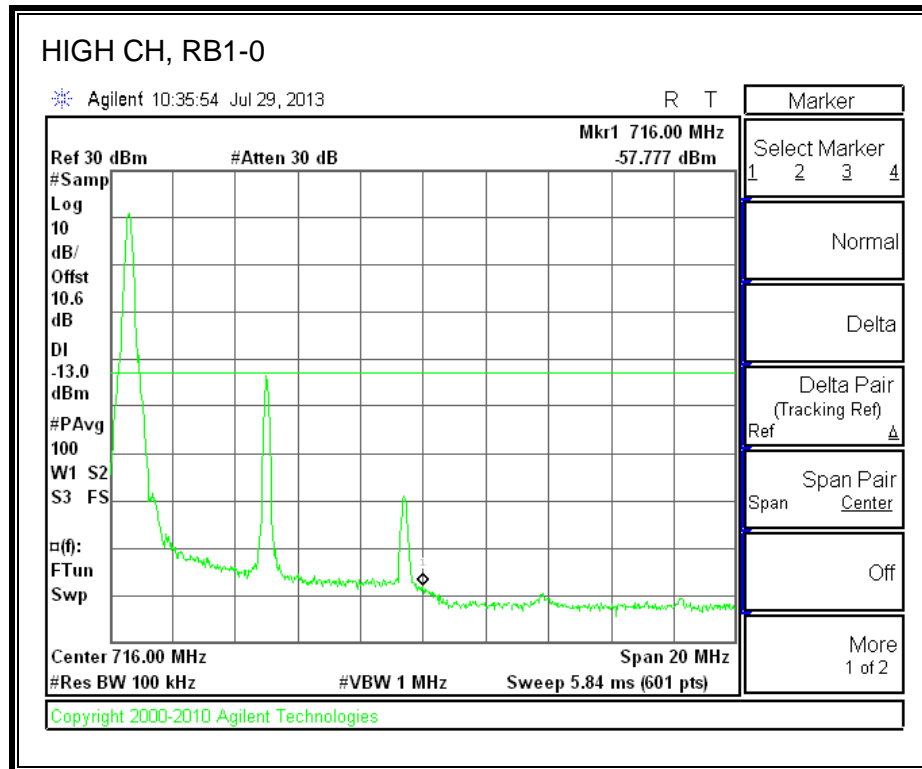
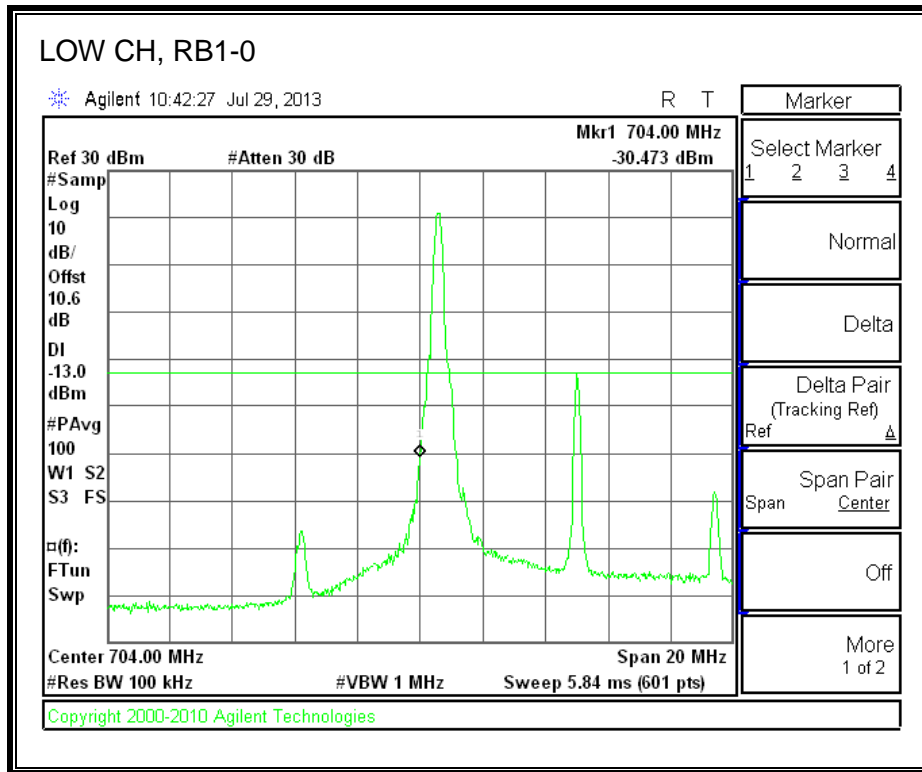


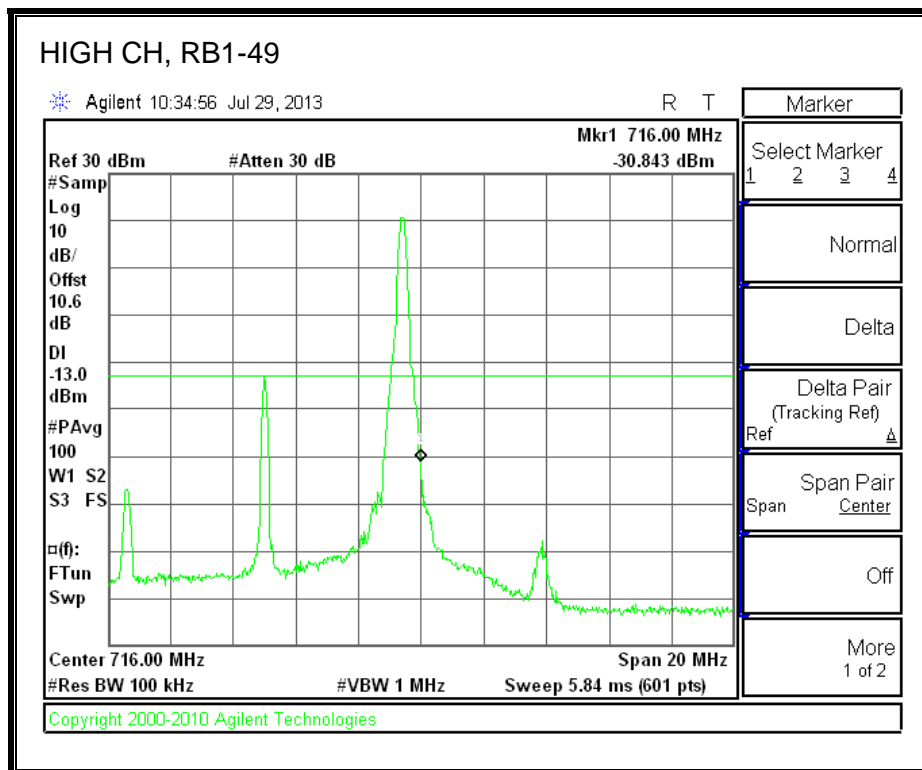
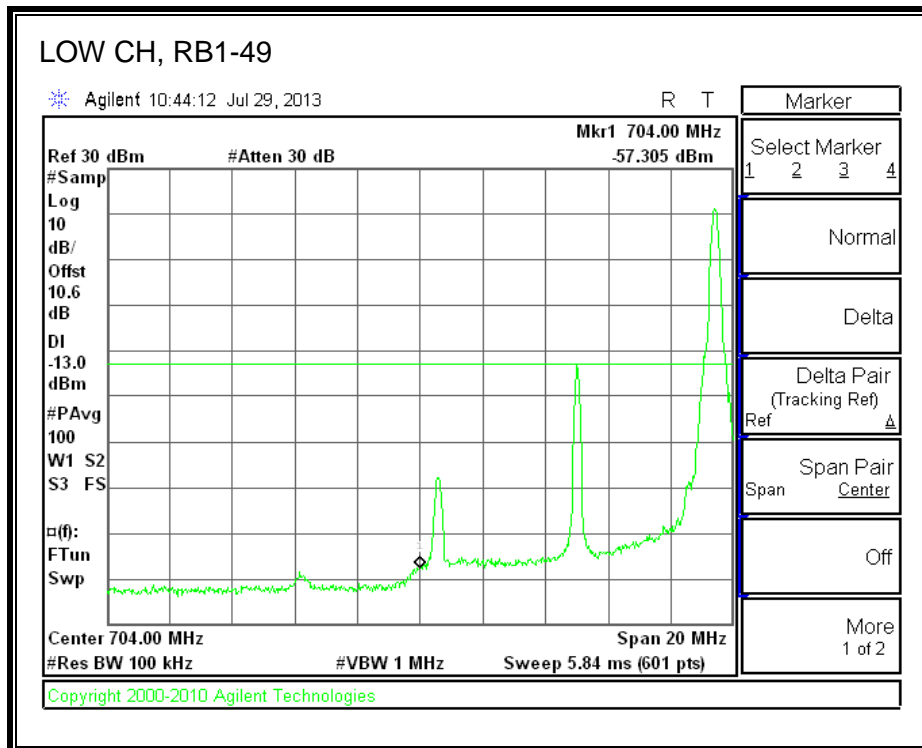


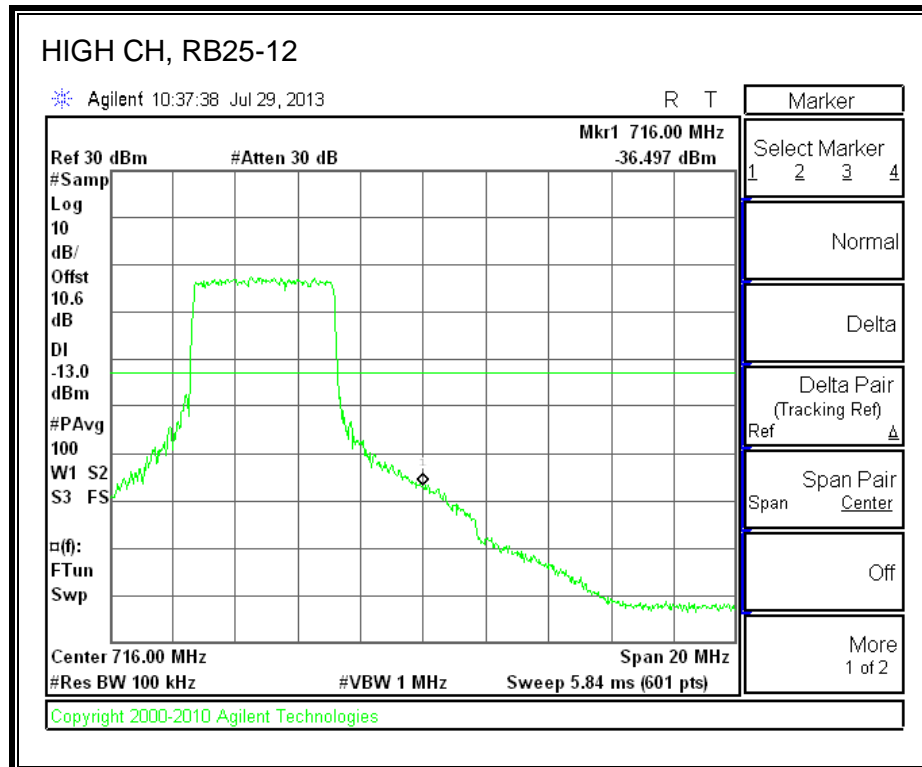
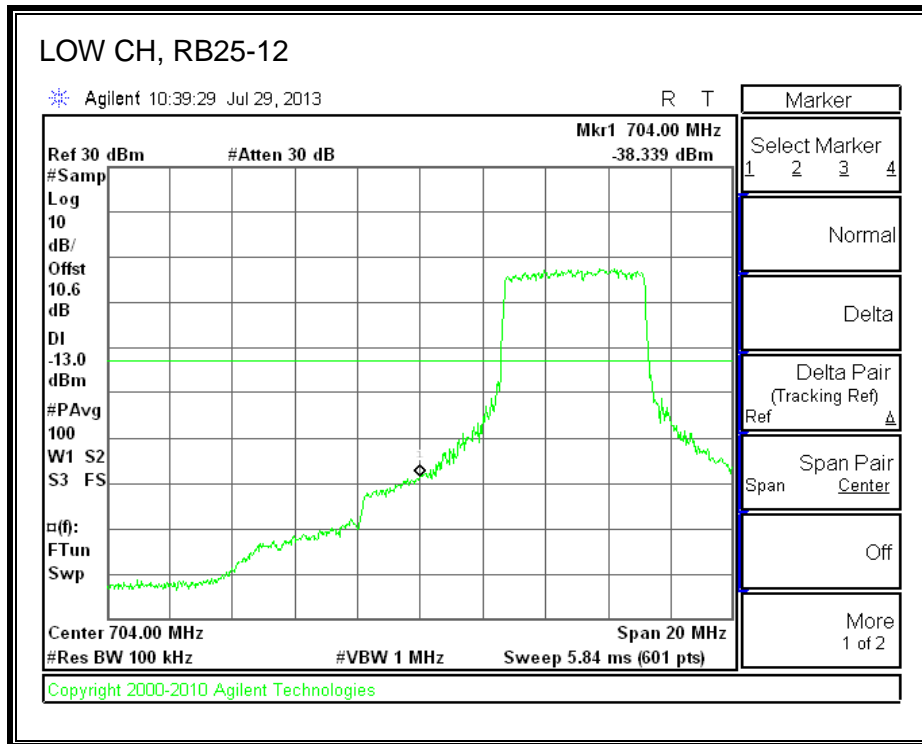


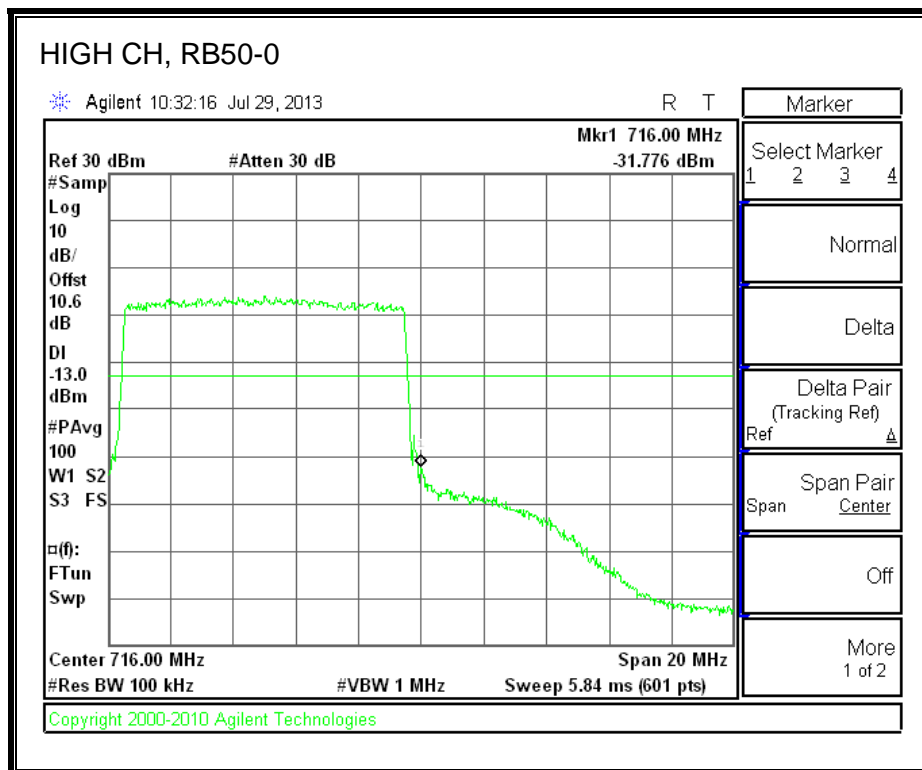
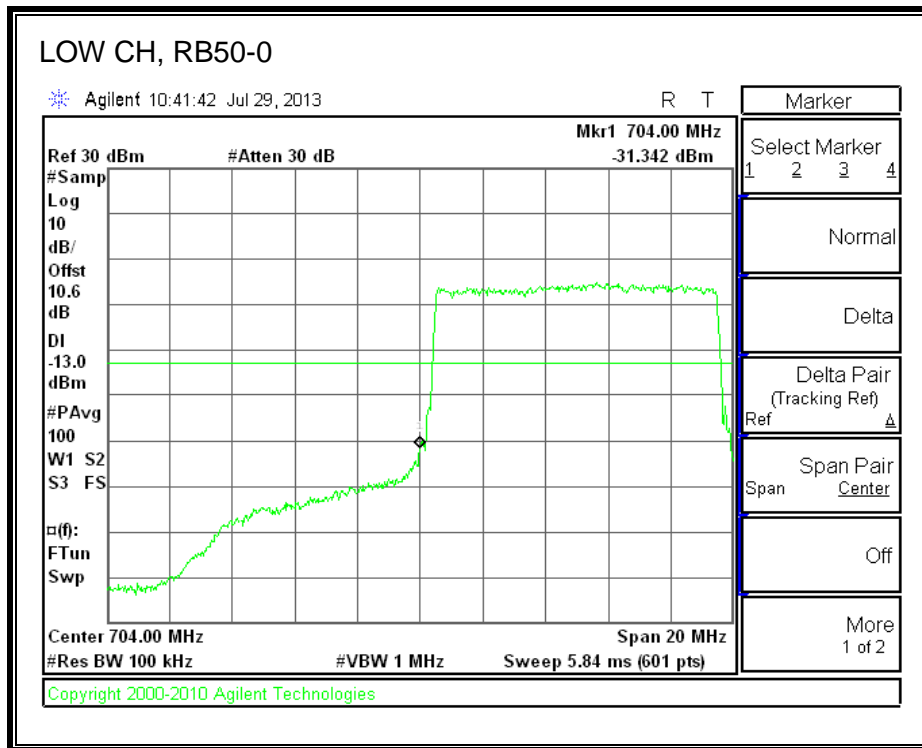


LTE QPSK Band 17 (10.0 MHz BAND WIDTH)

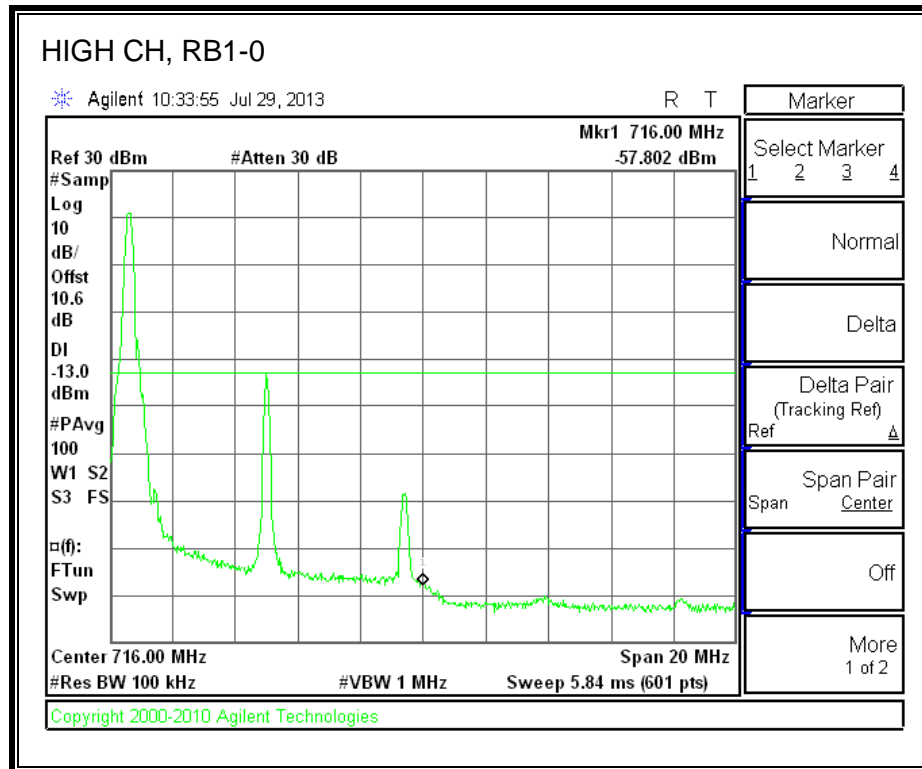
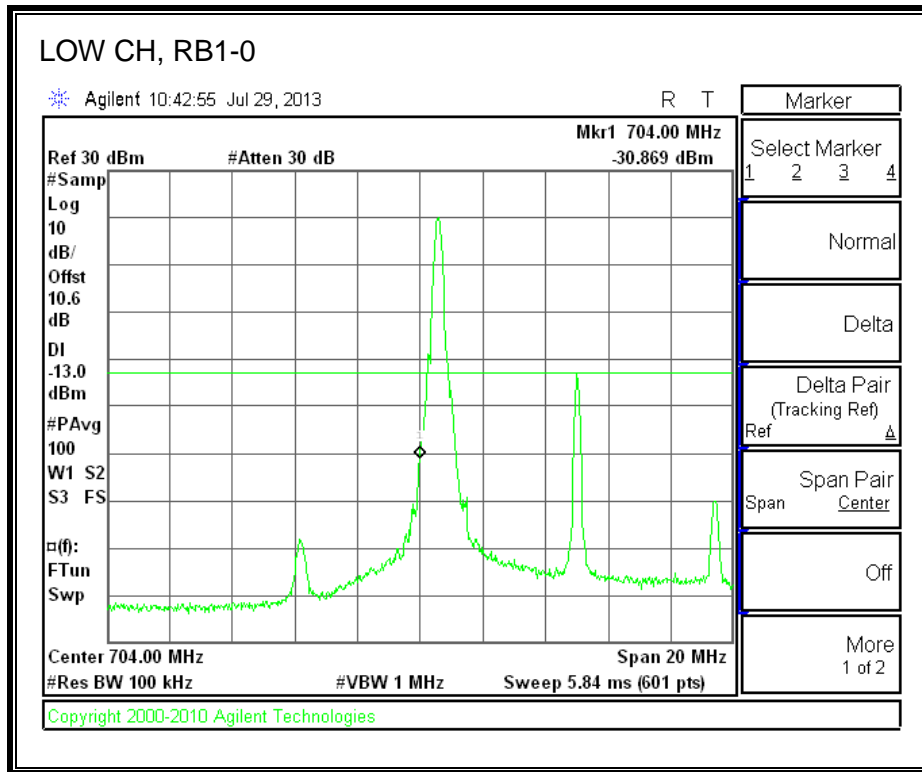


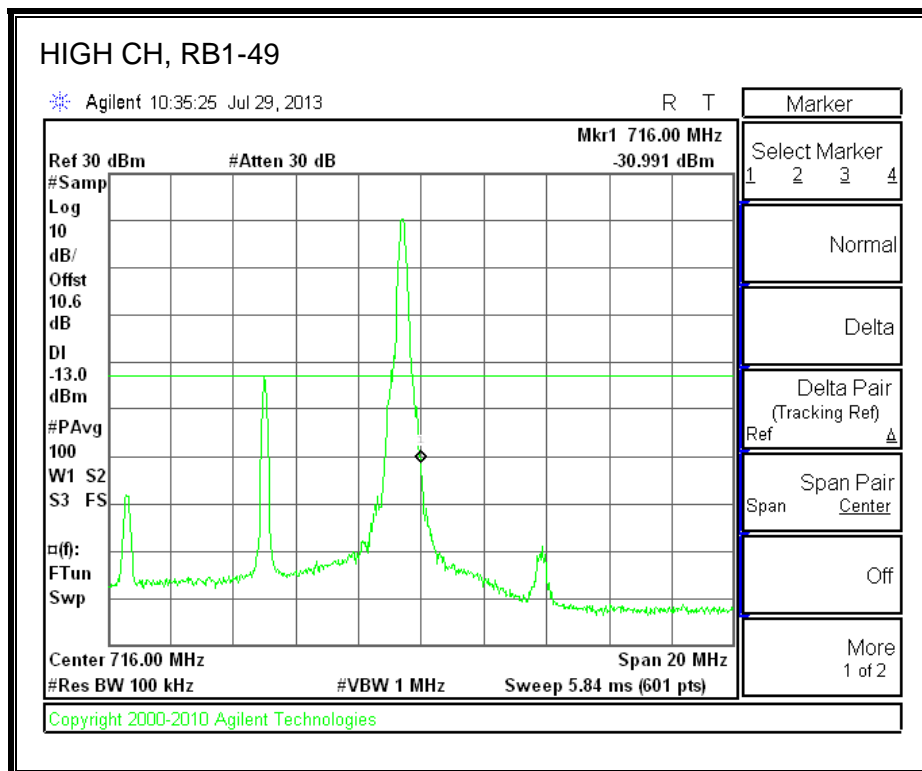
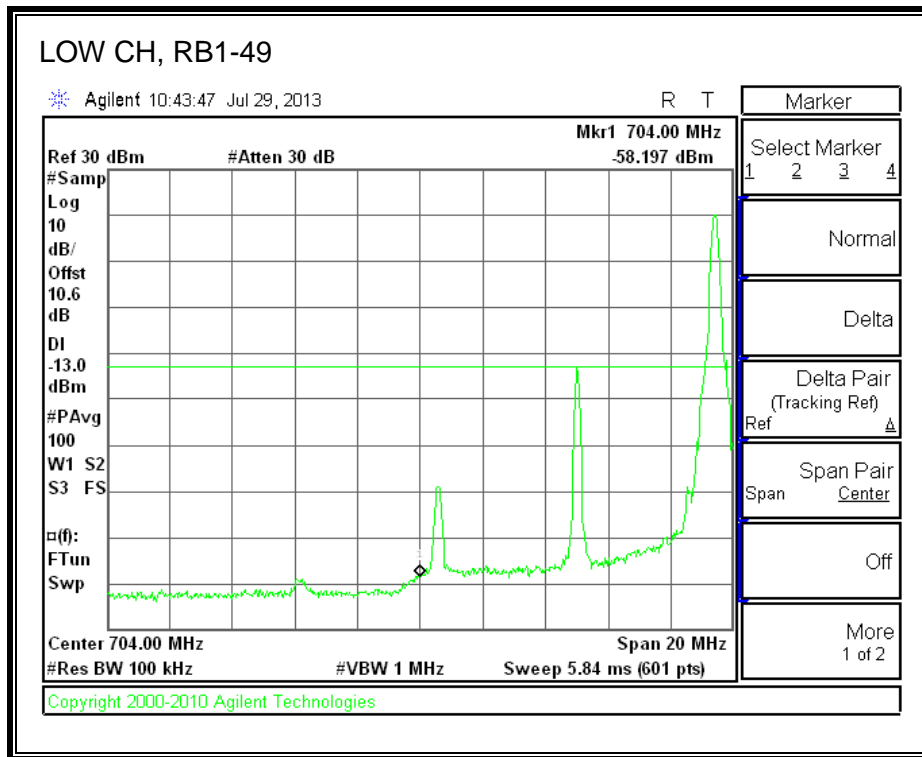


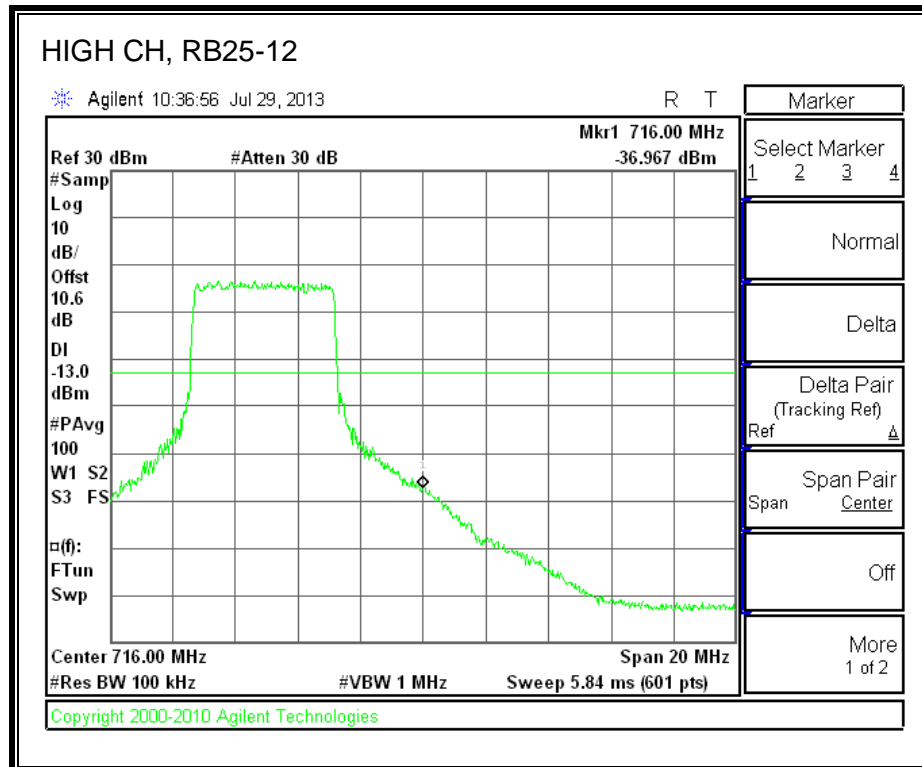
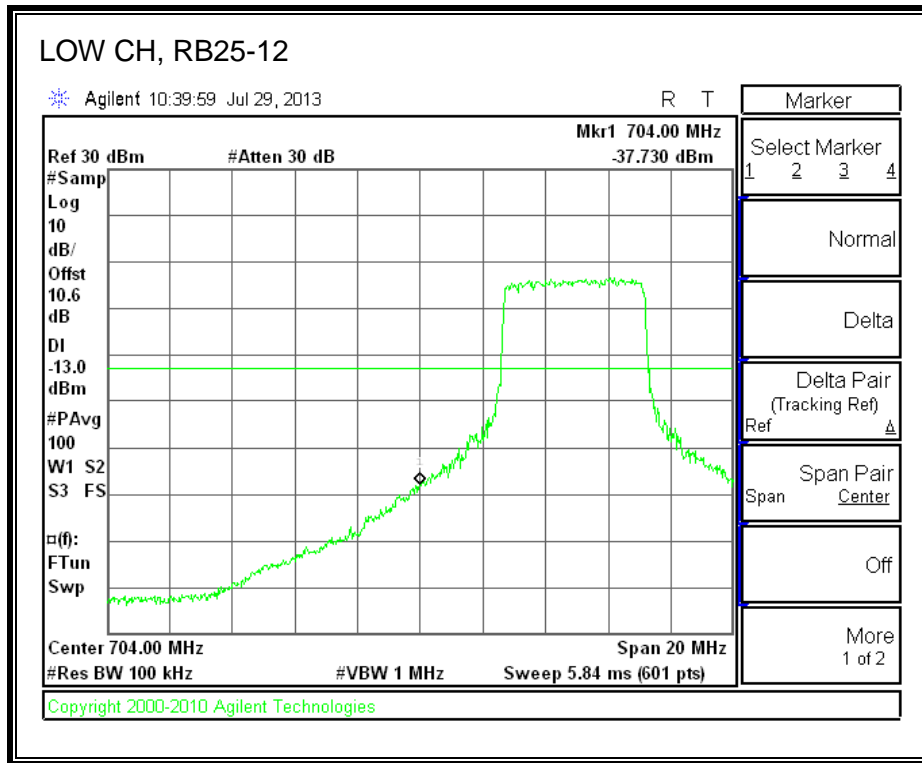


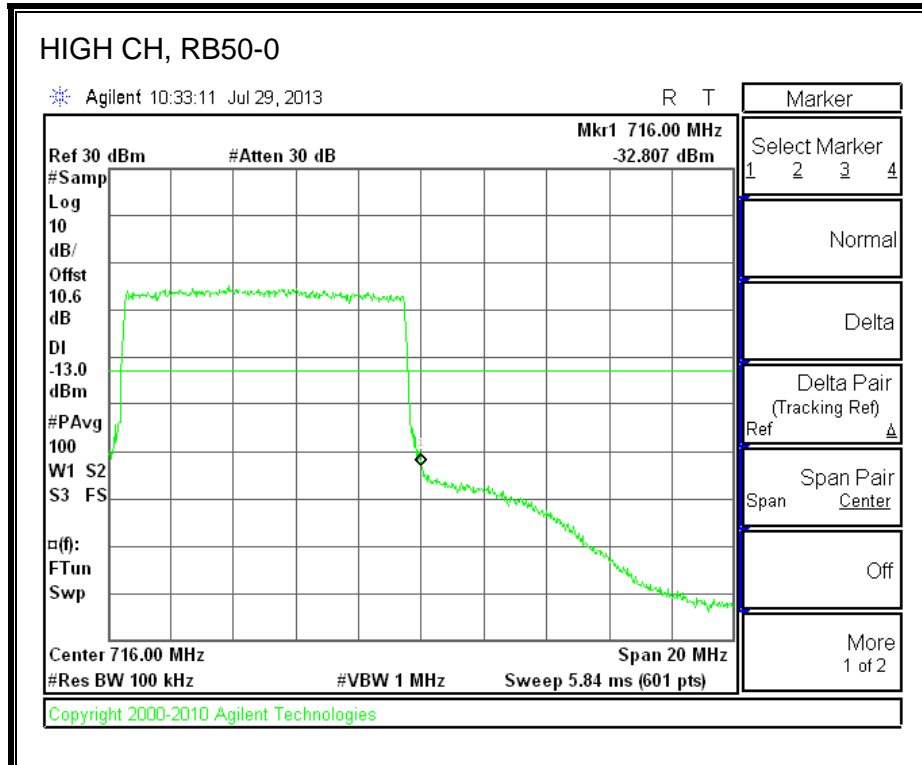
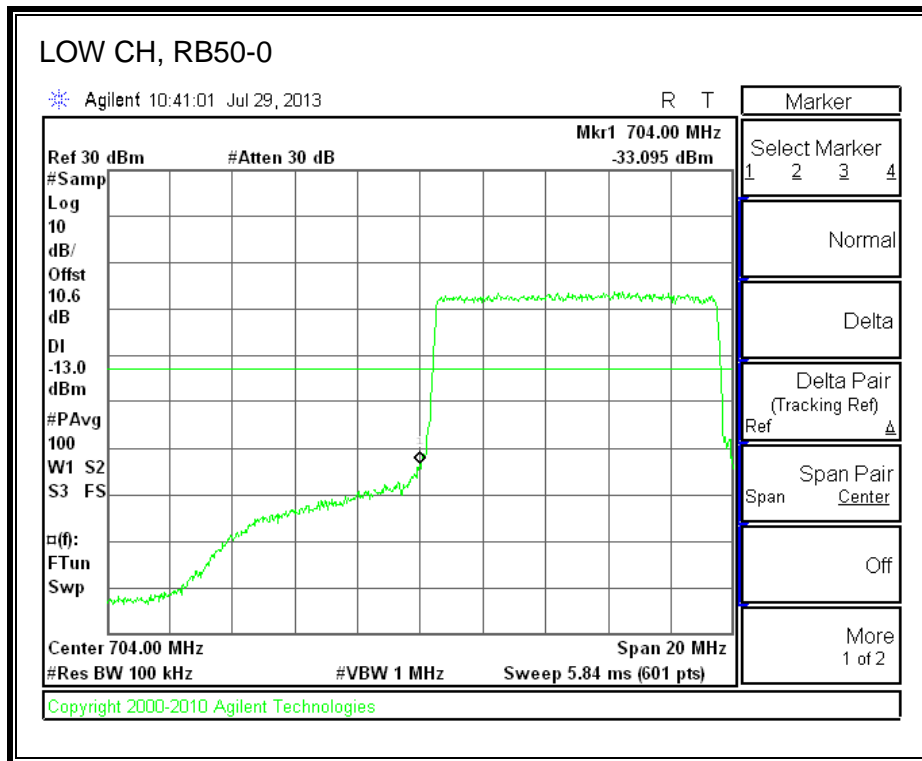


LTE 16QAM Band 17 (10.0 MHz BAND WIDTH)



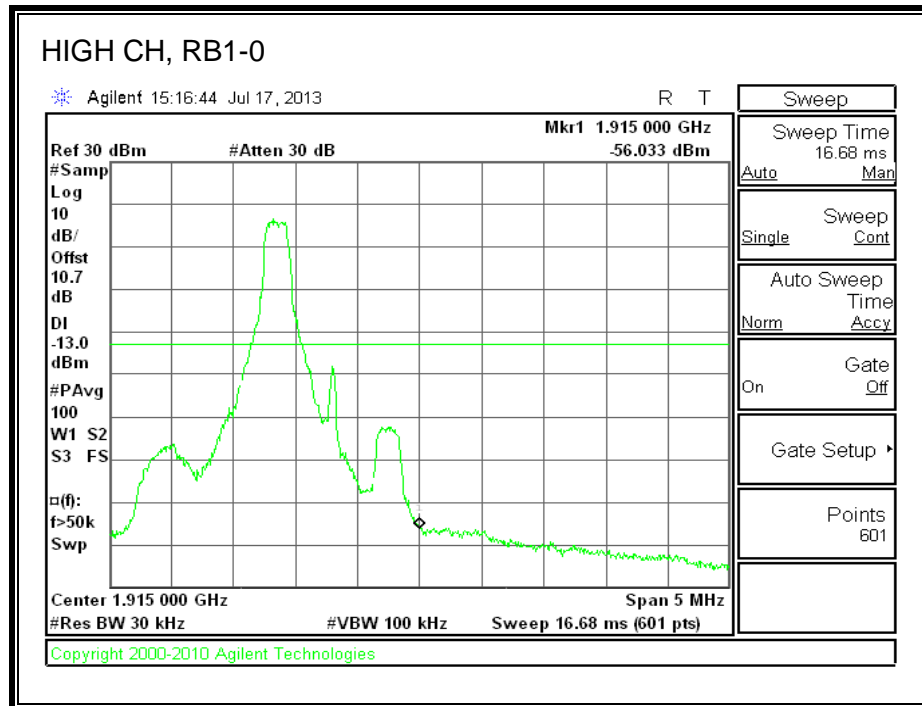
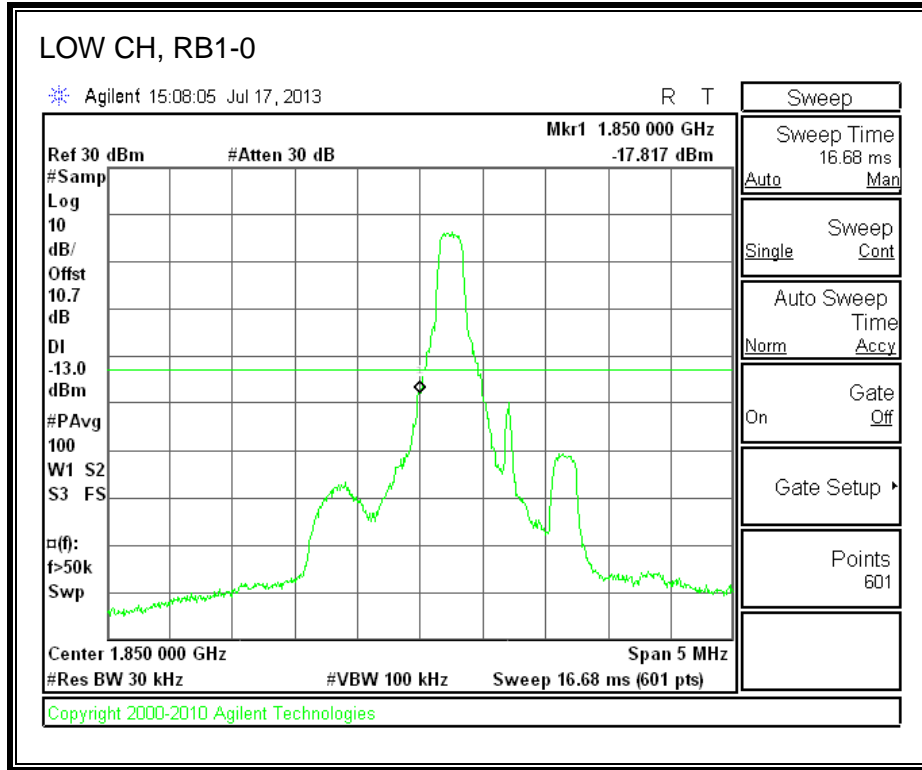


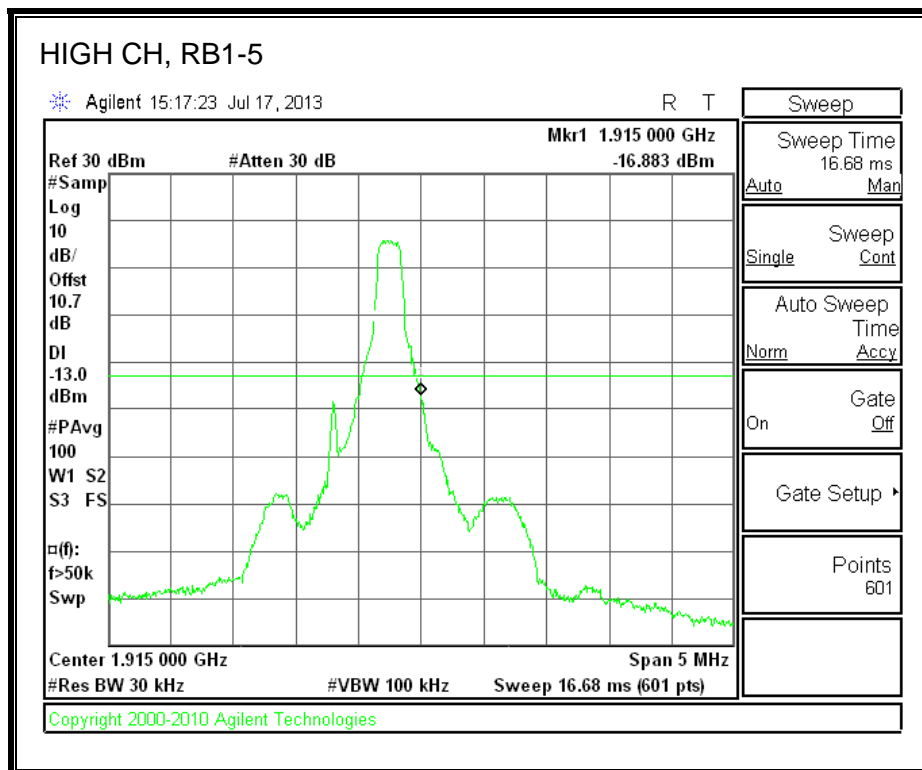
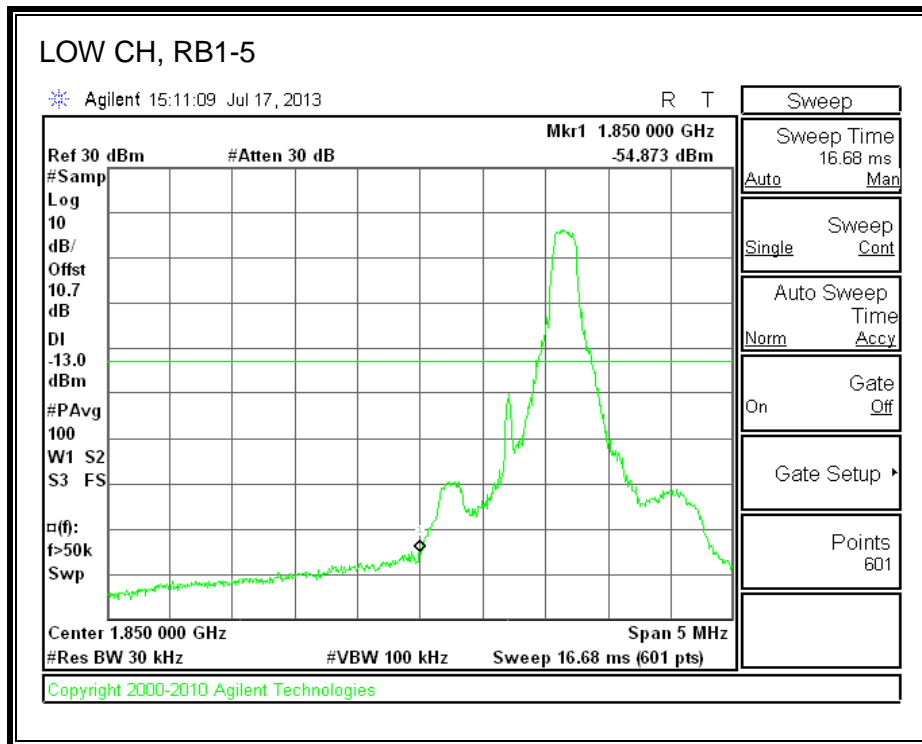


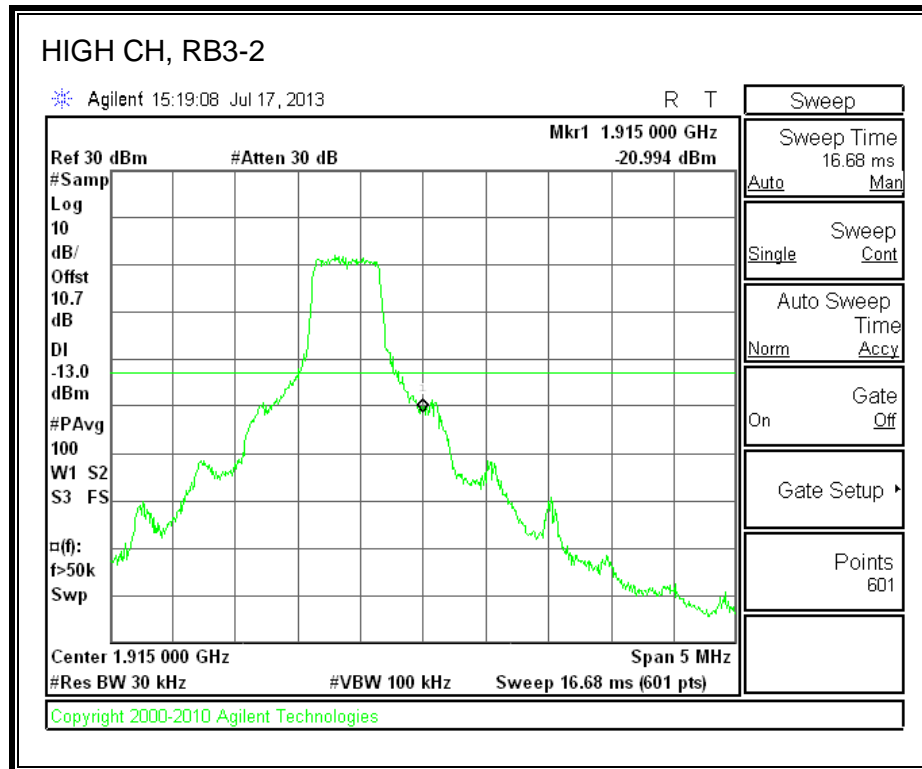
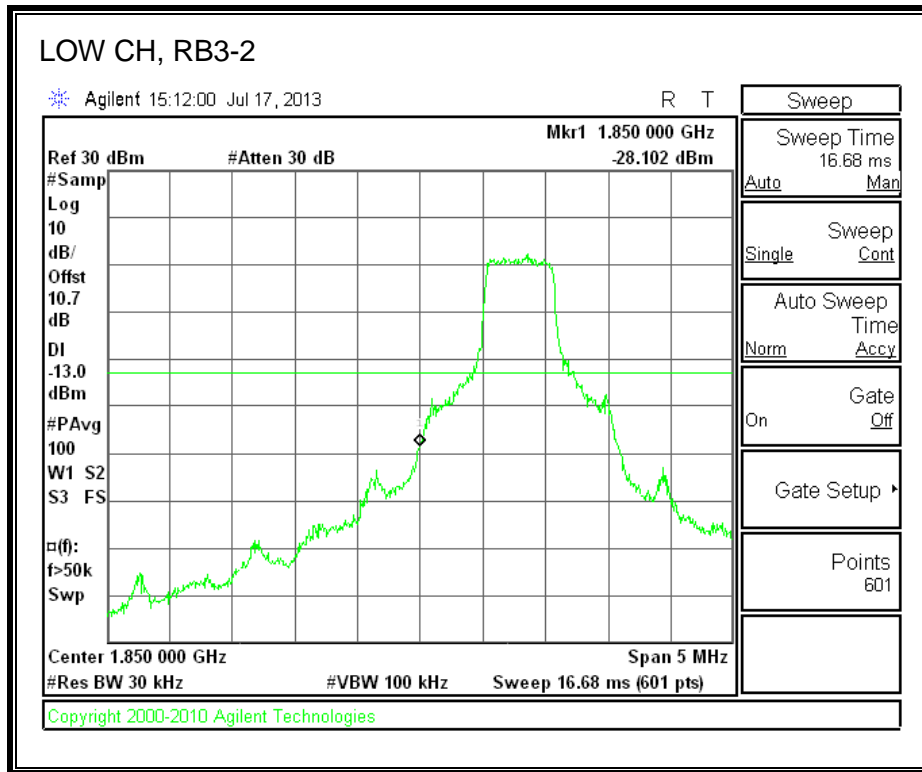


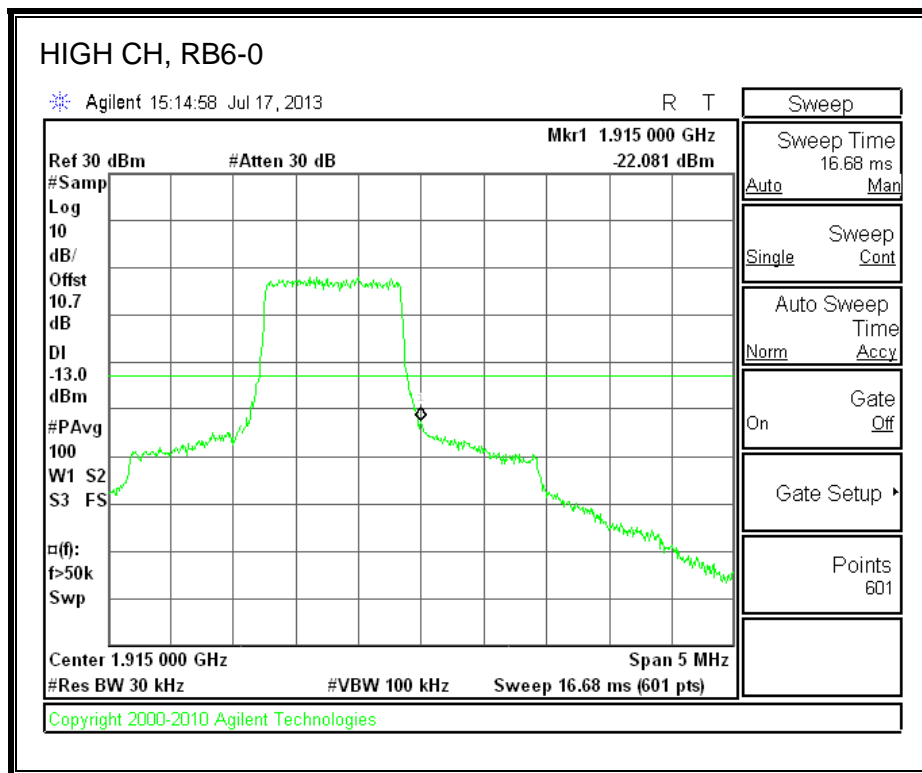
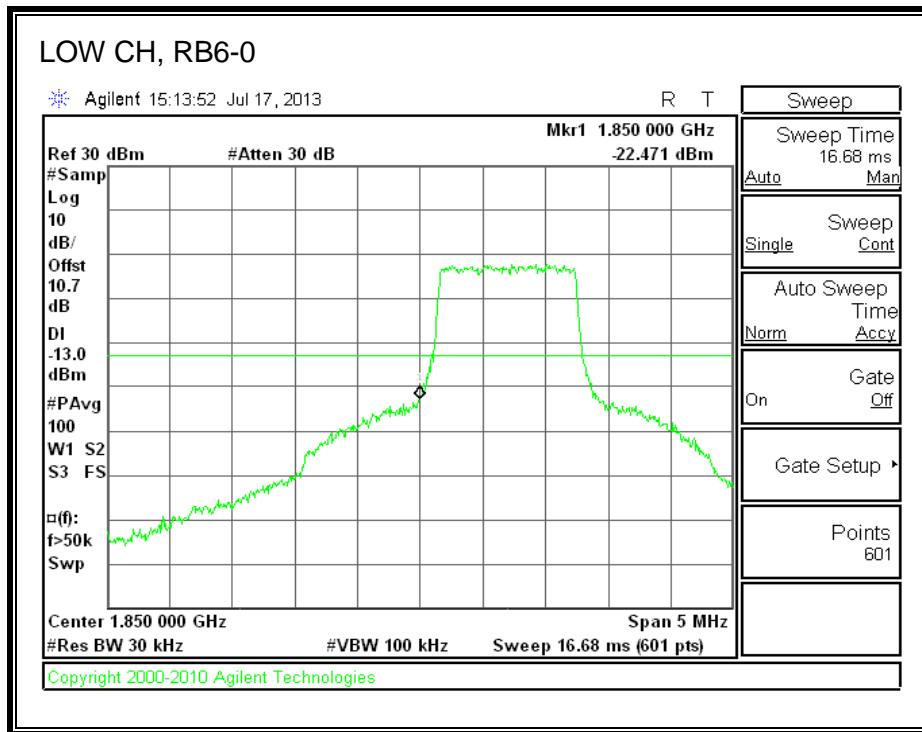
8.2.6. LTE BAND 25

LTE QPSK Band 25 (1.4 MHz BAND WIDTH)

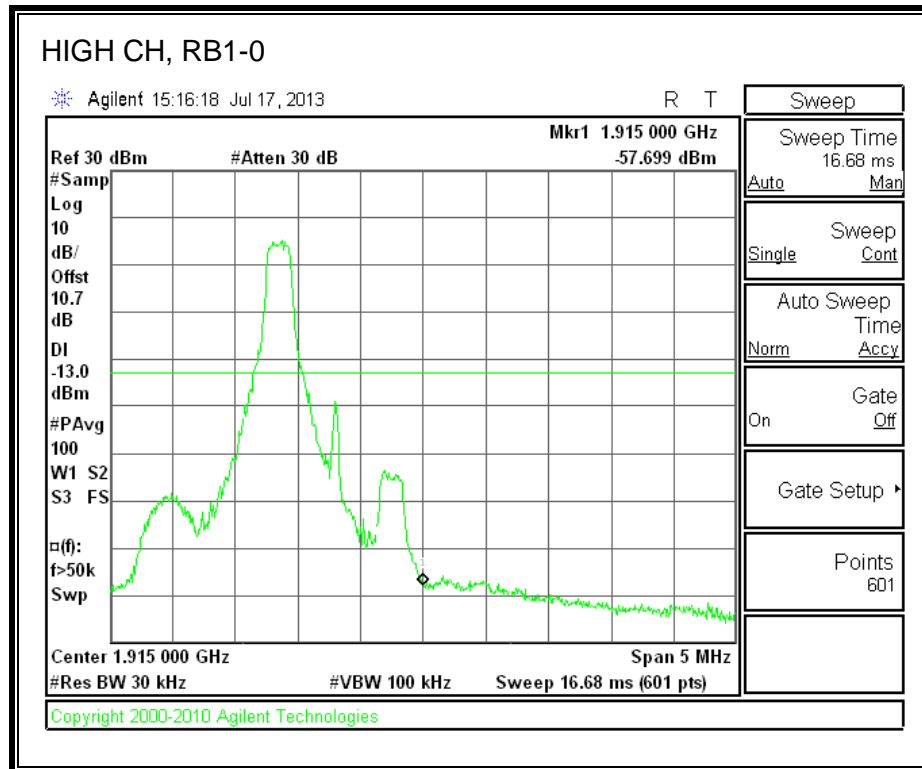
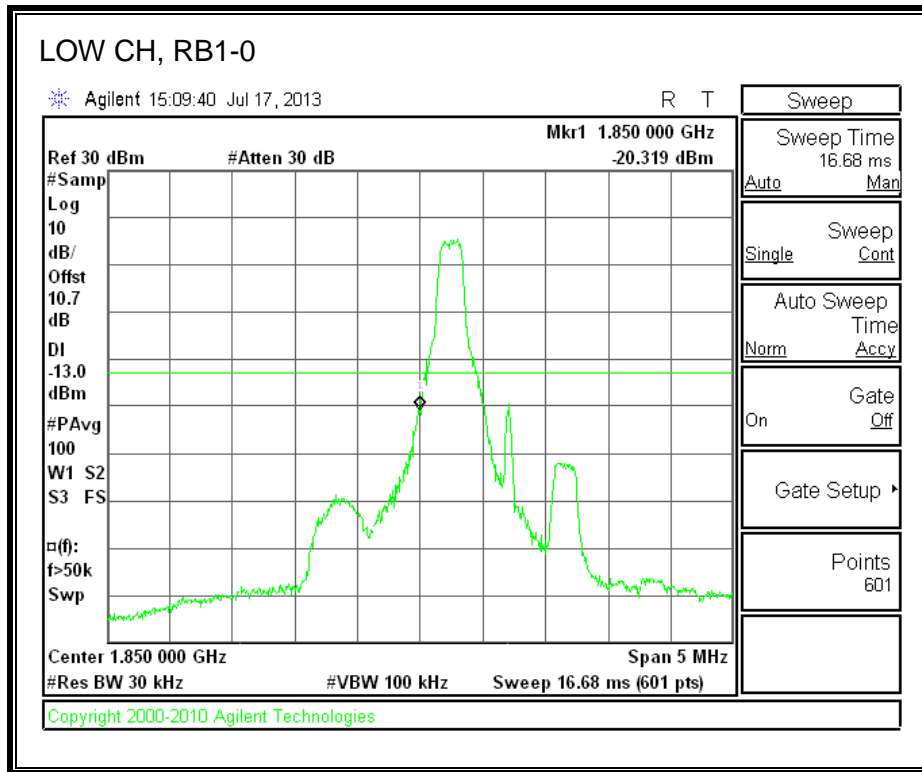


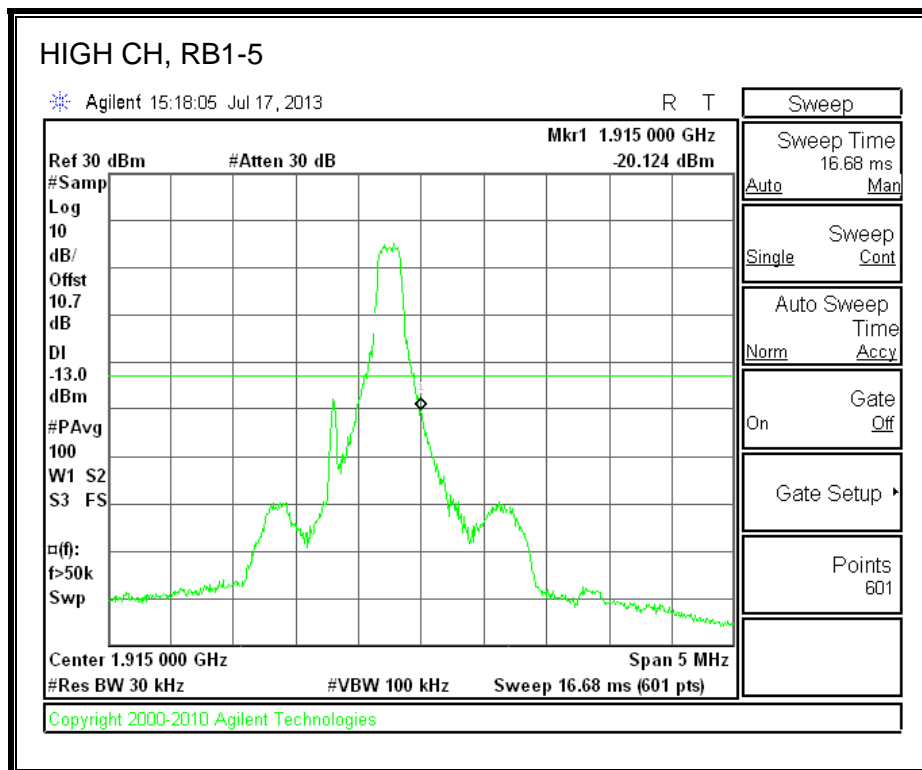
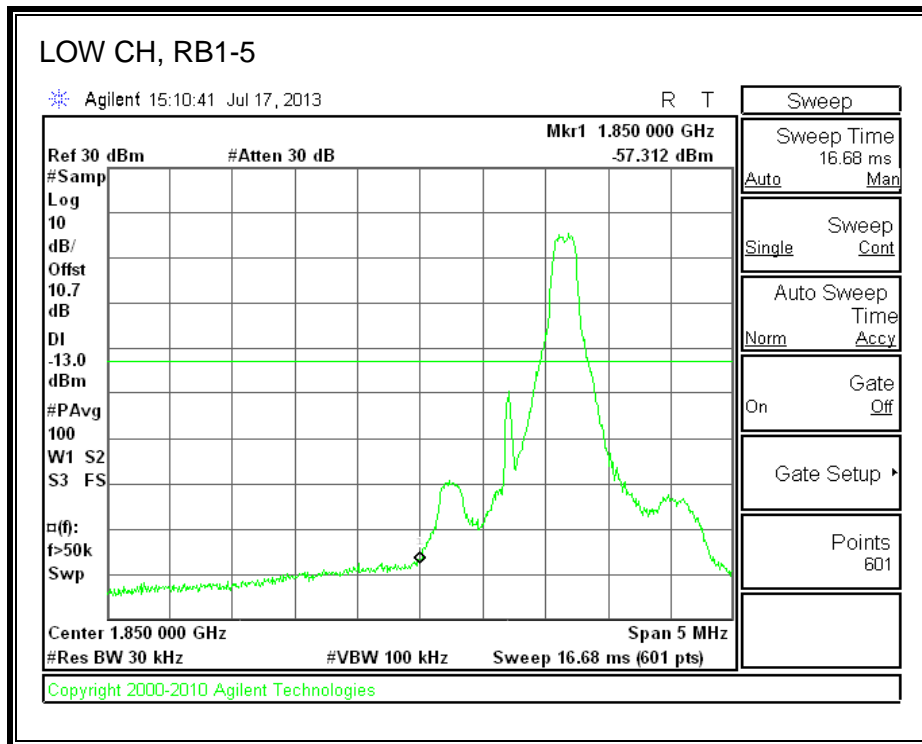


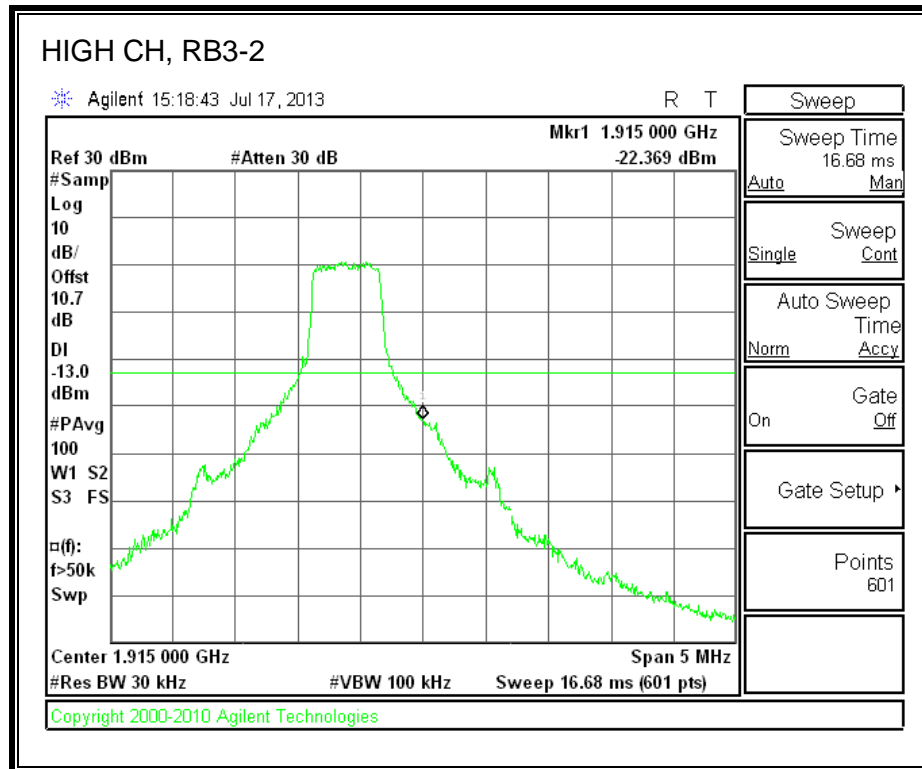
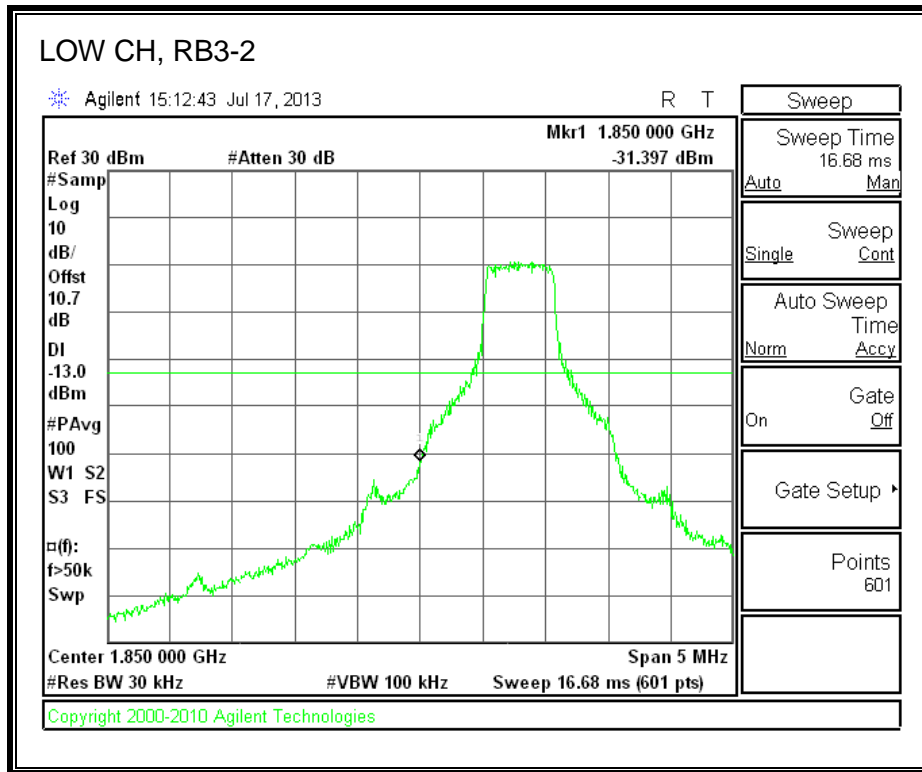


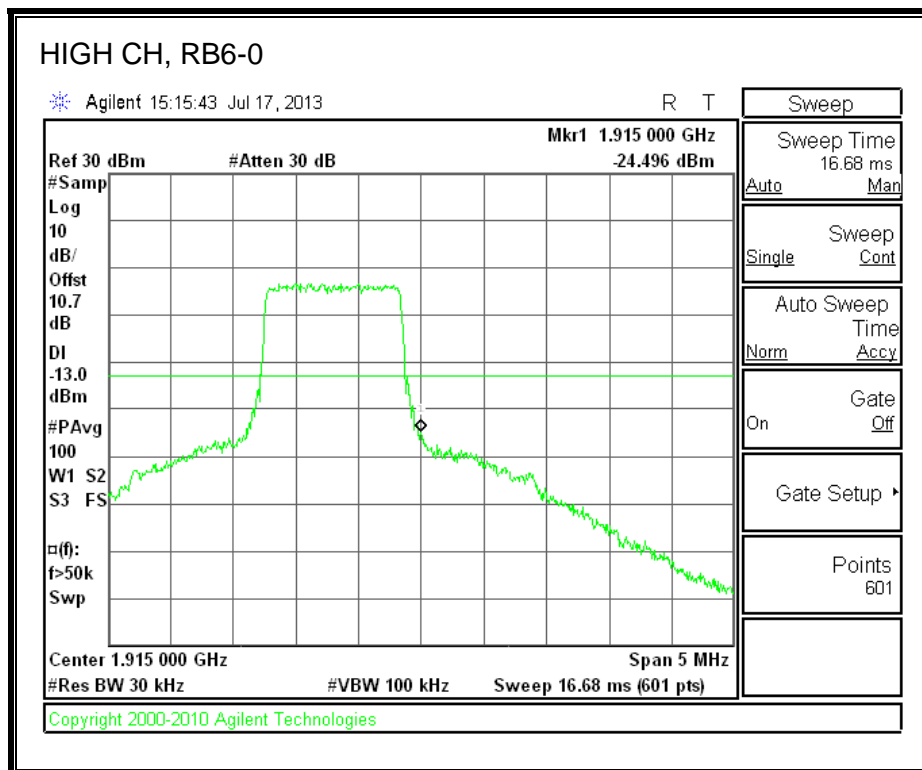
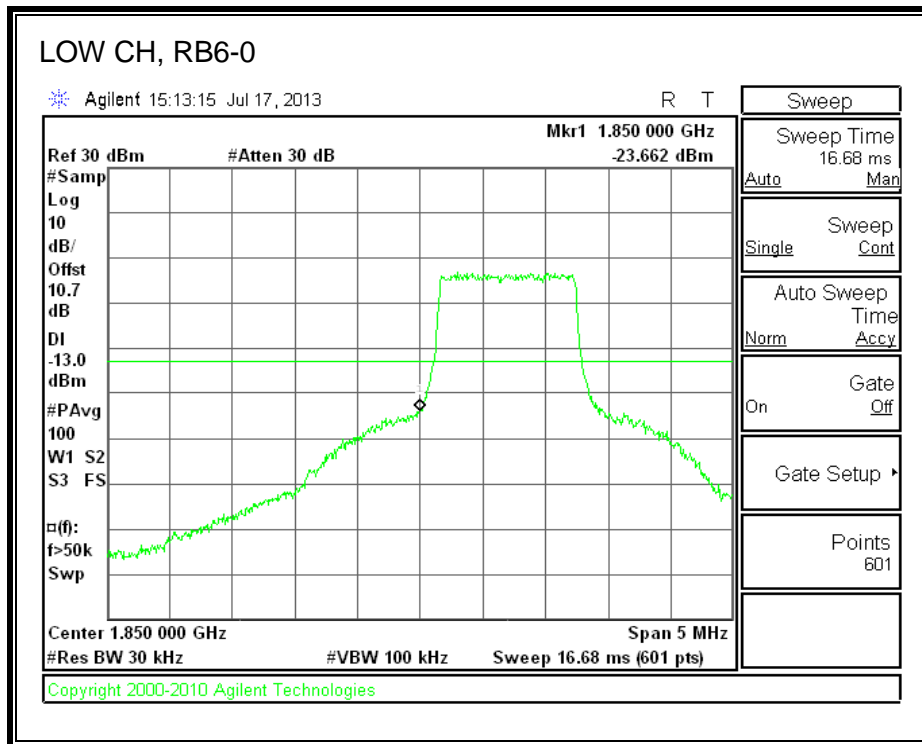


LTE 16QAM Band 25 (1.4 MHz BAND WIDTH)

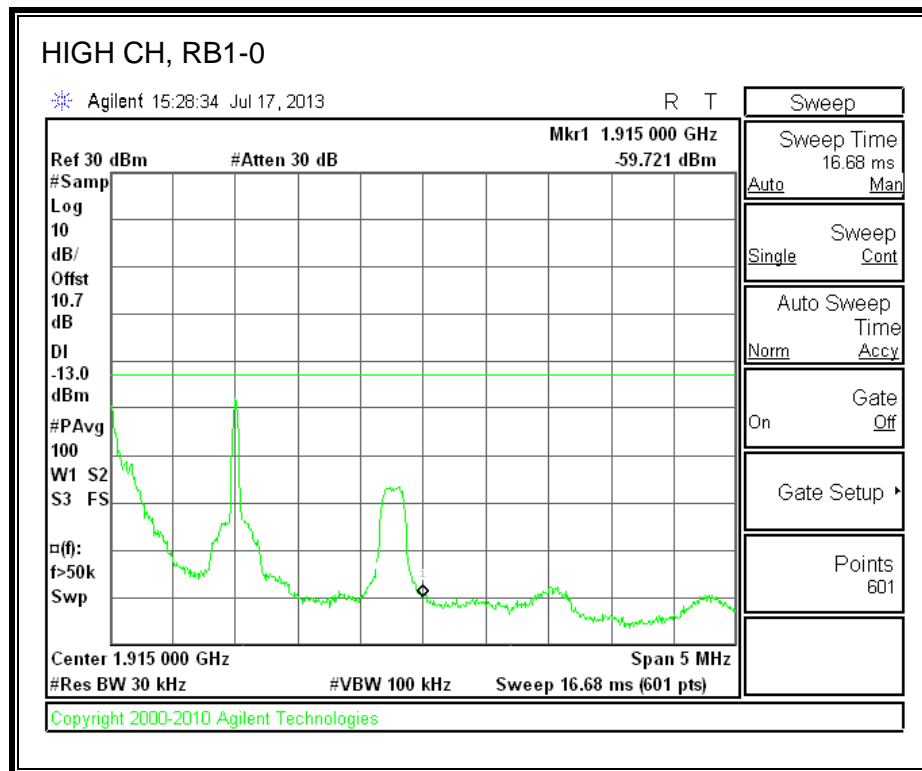
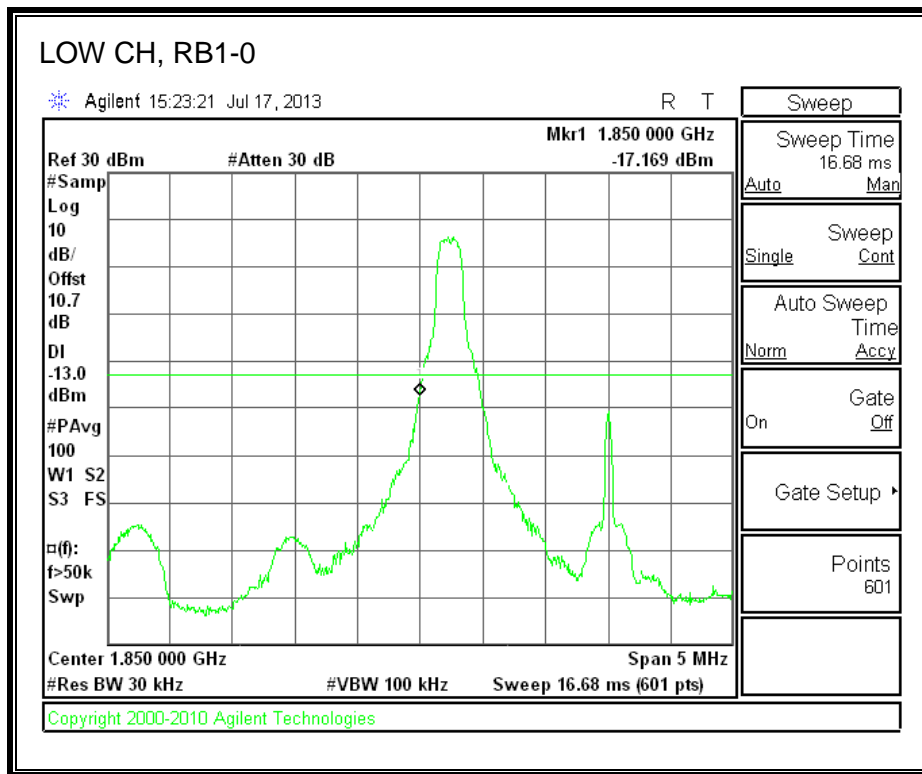


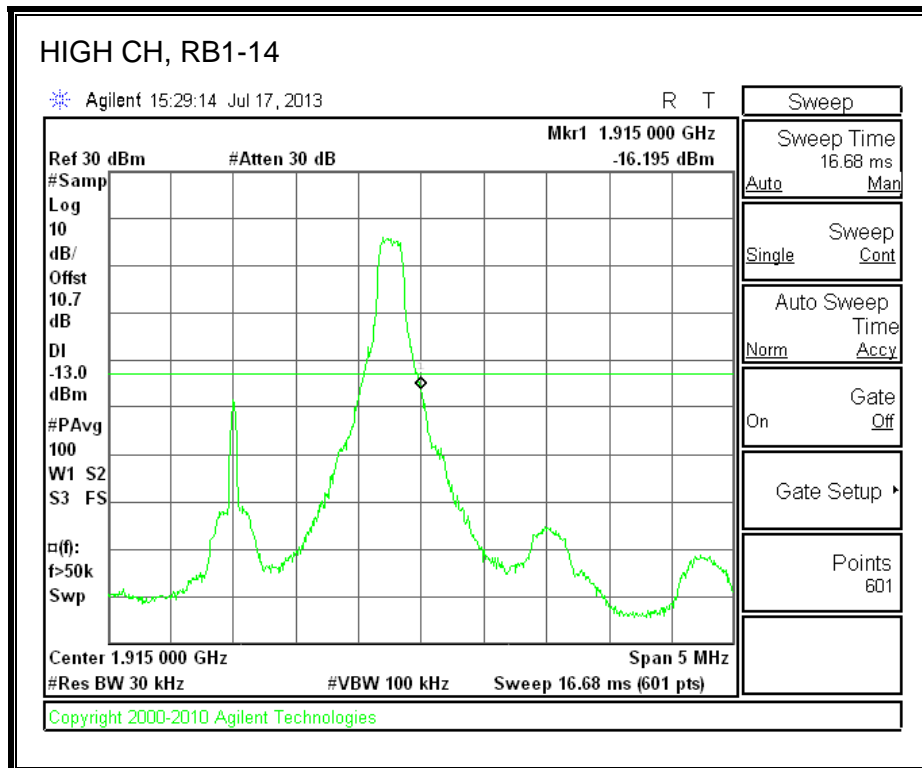
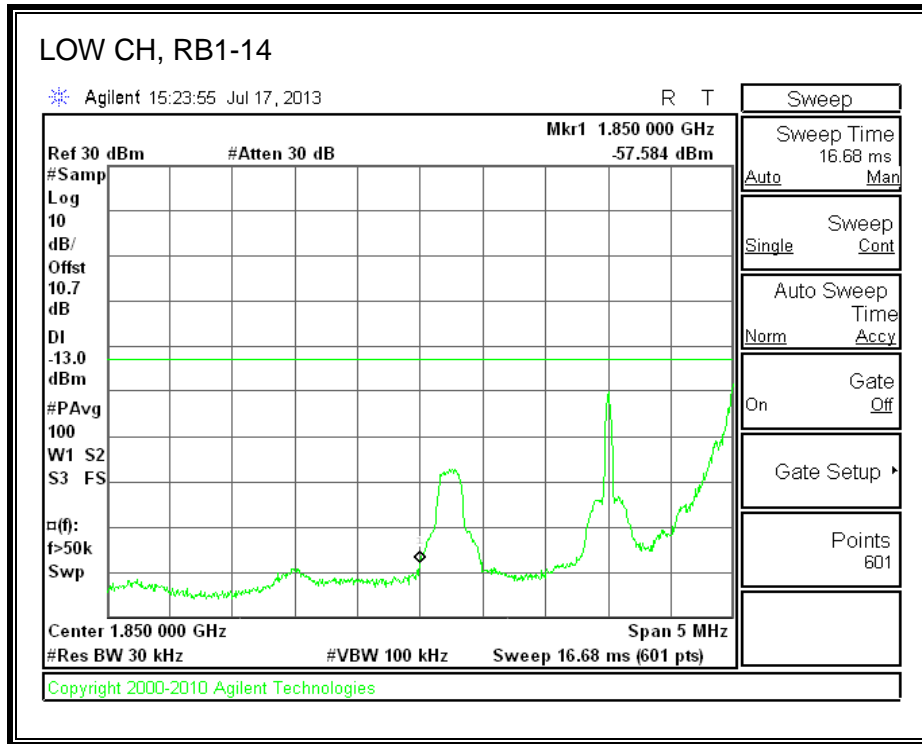


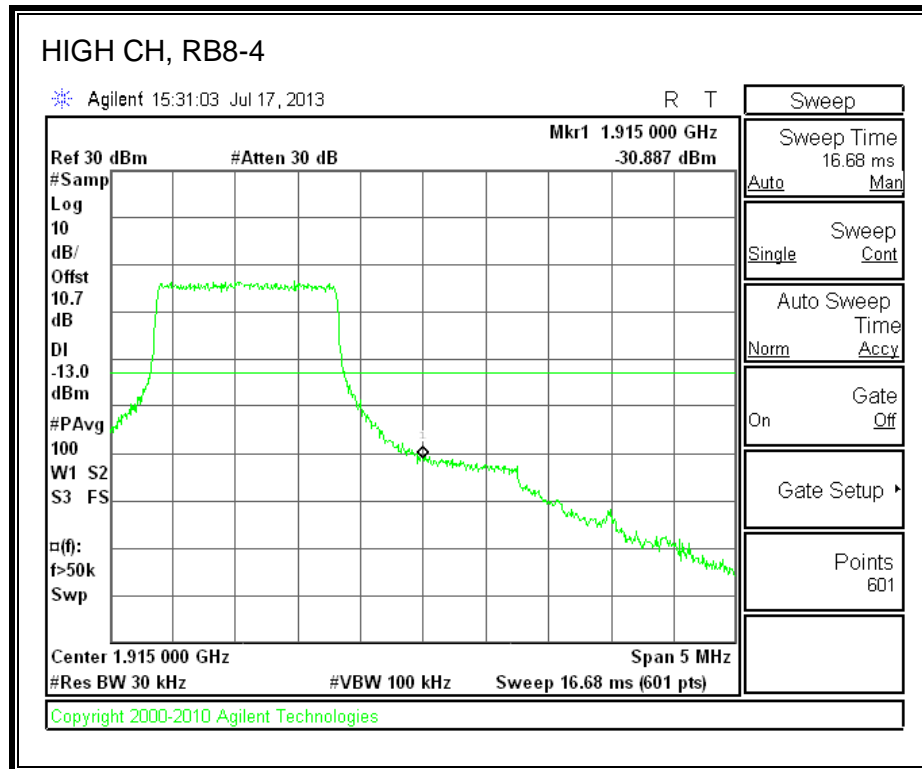
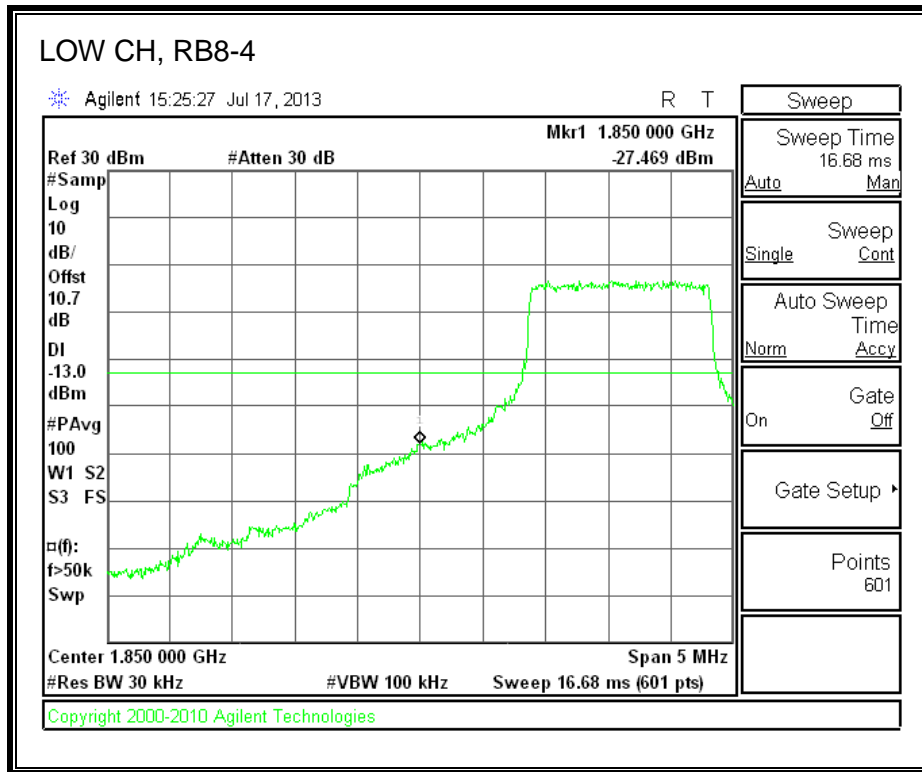


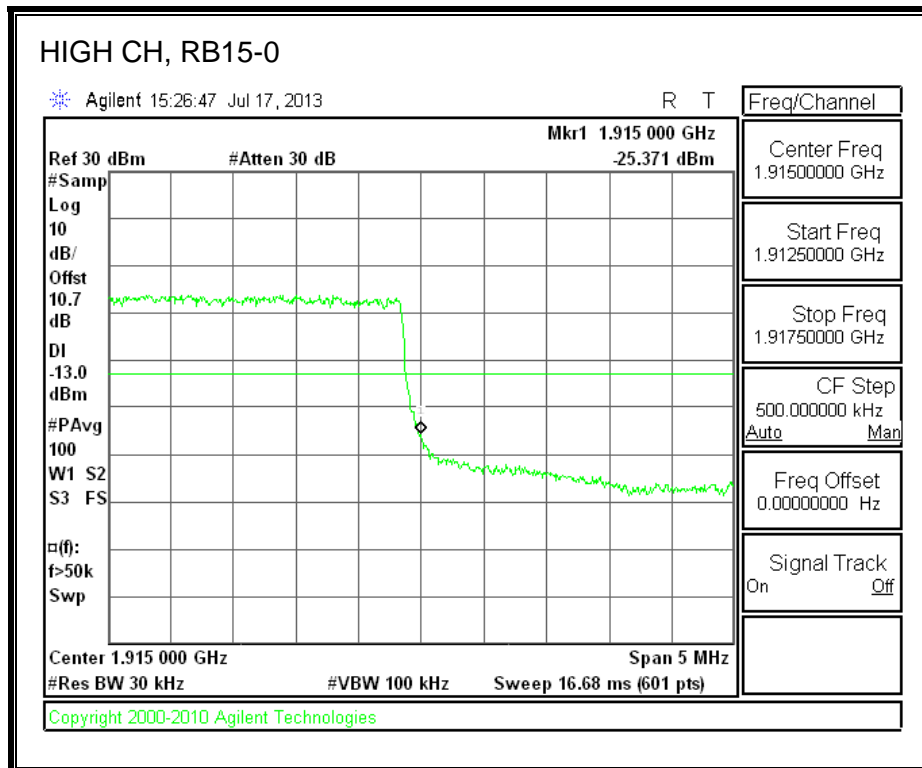
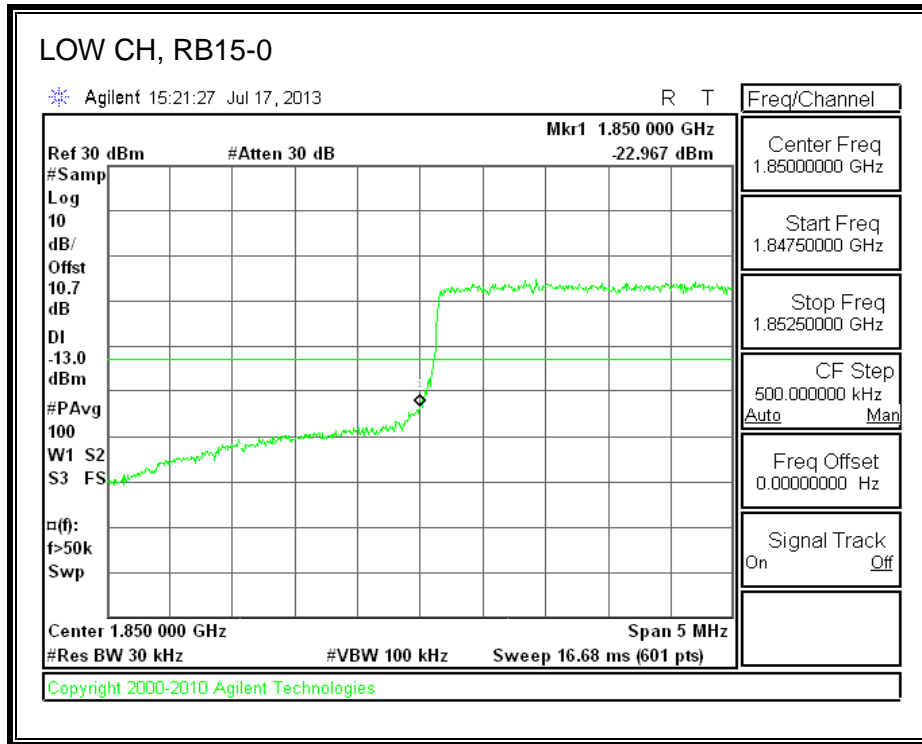


LTE QPSK Band 25 (3.0 MHz BAND WIDTH)

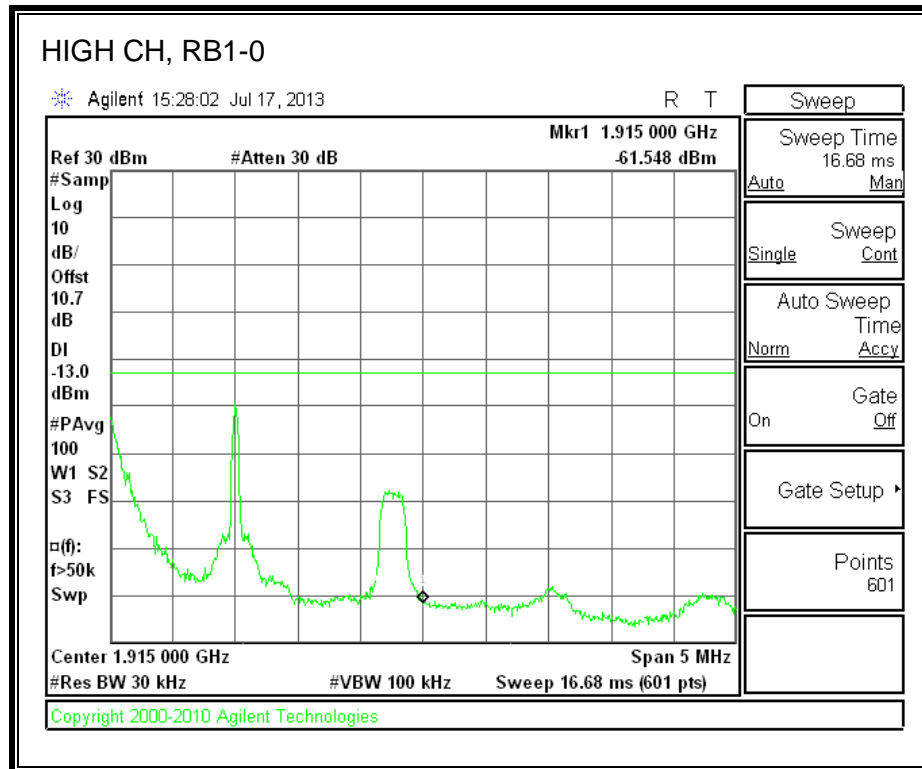
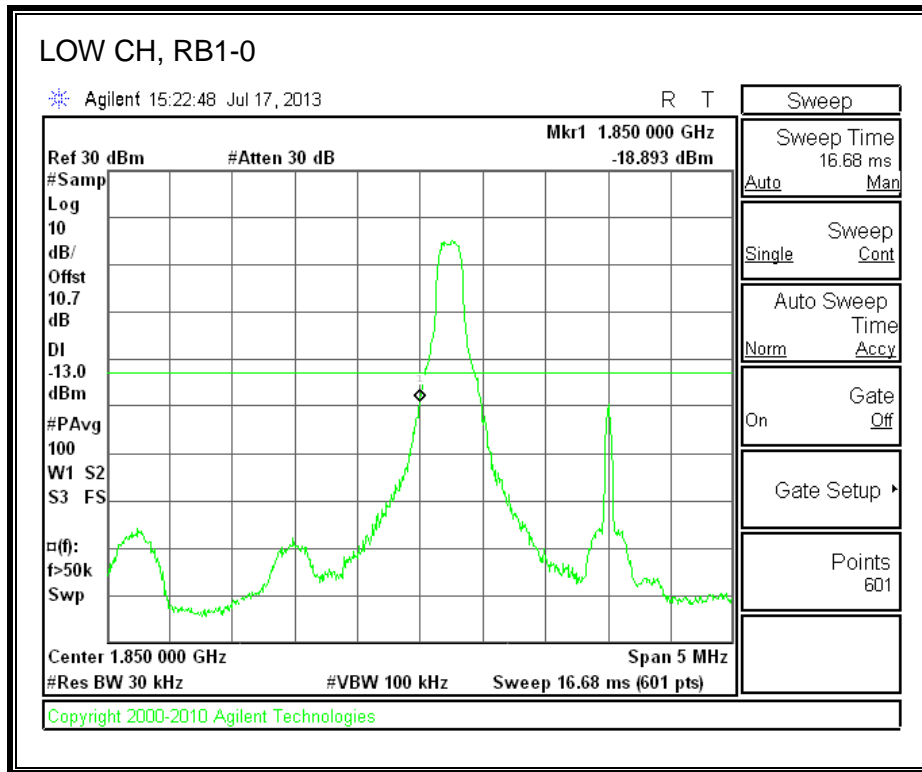


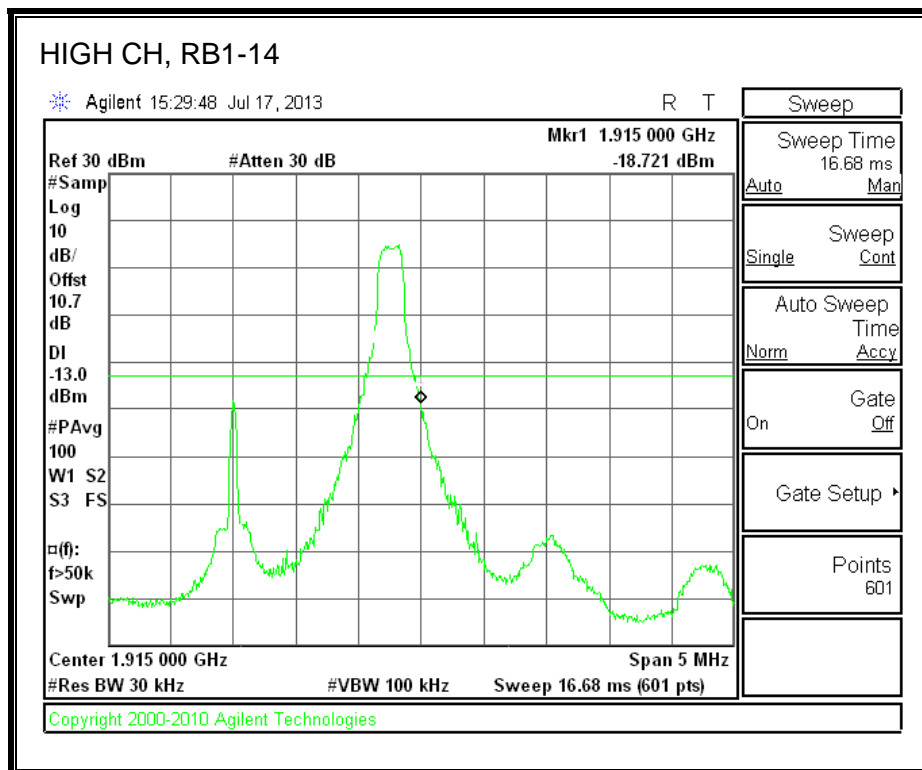
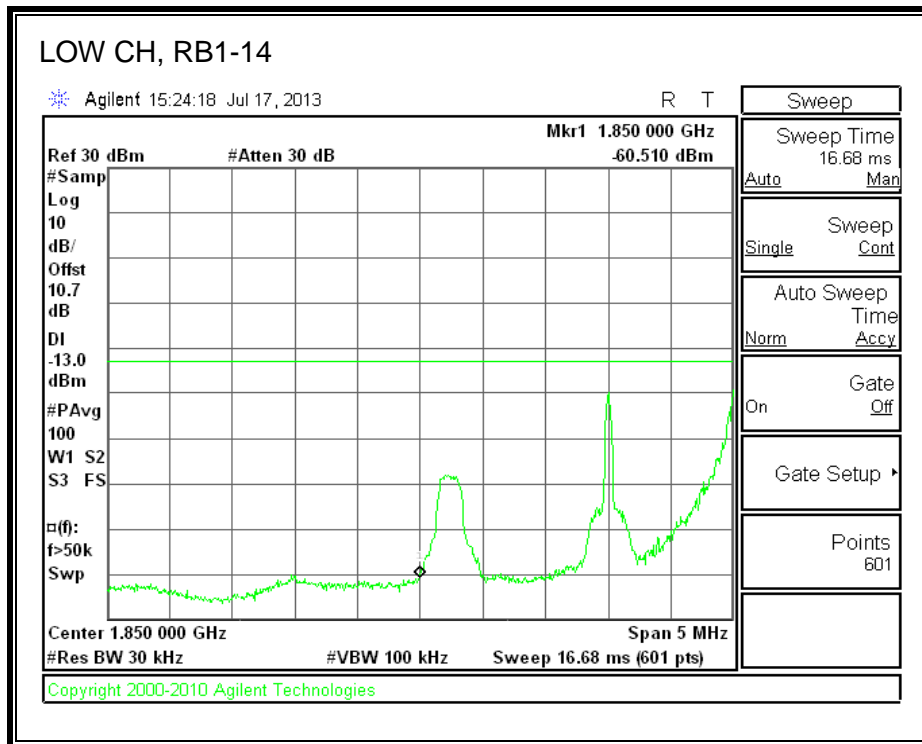


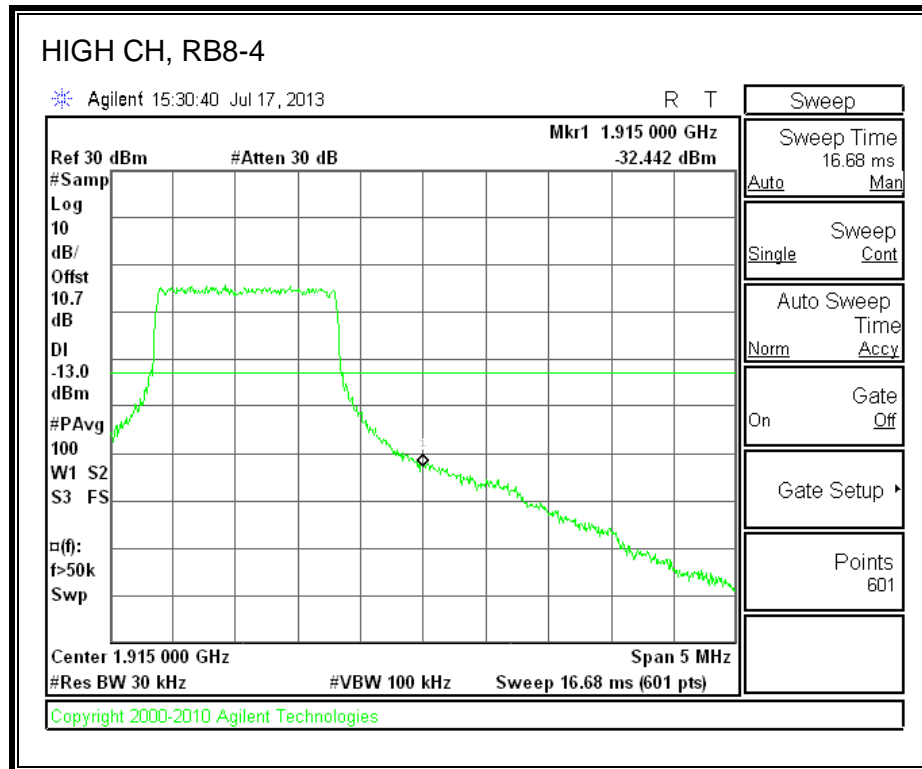
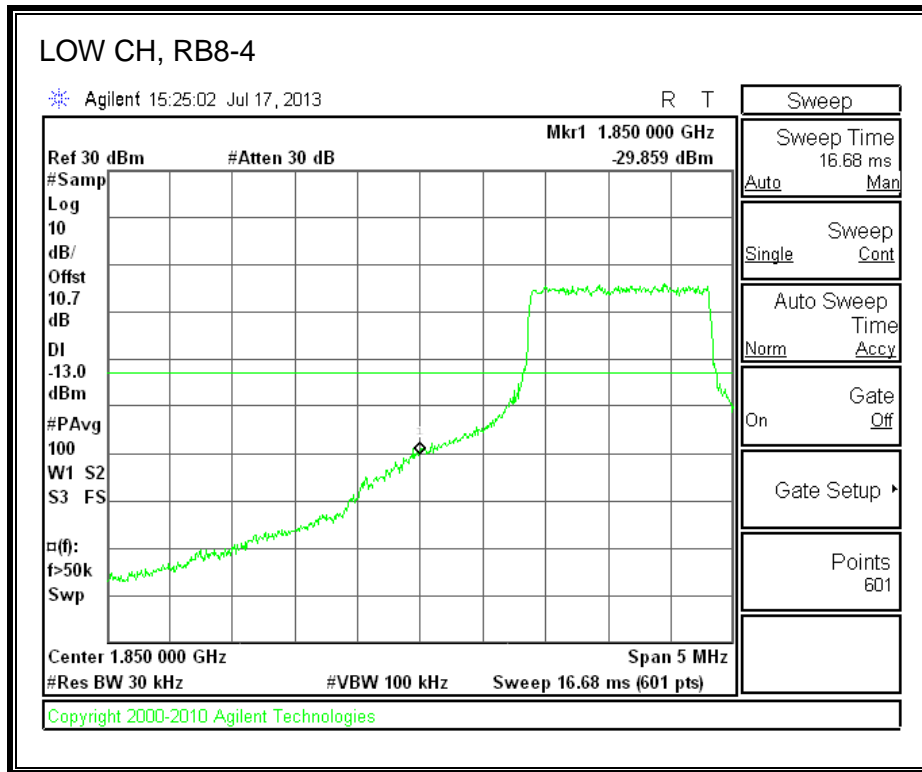


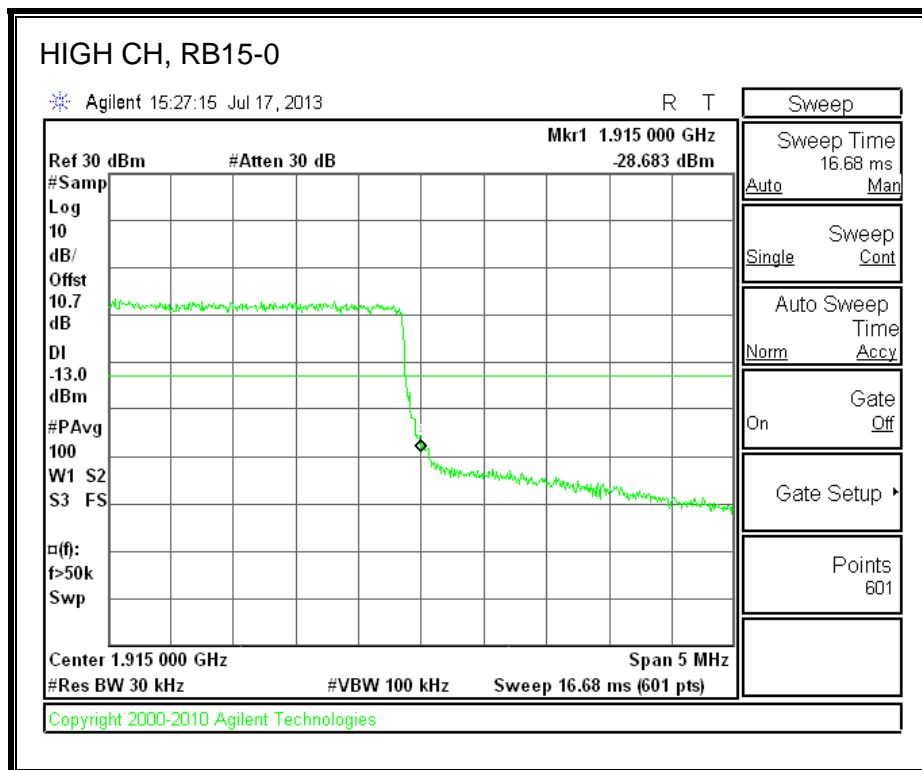
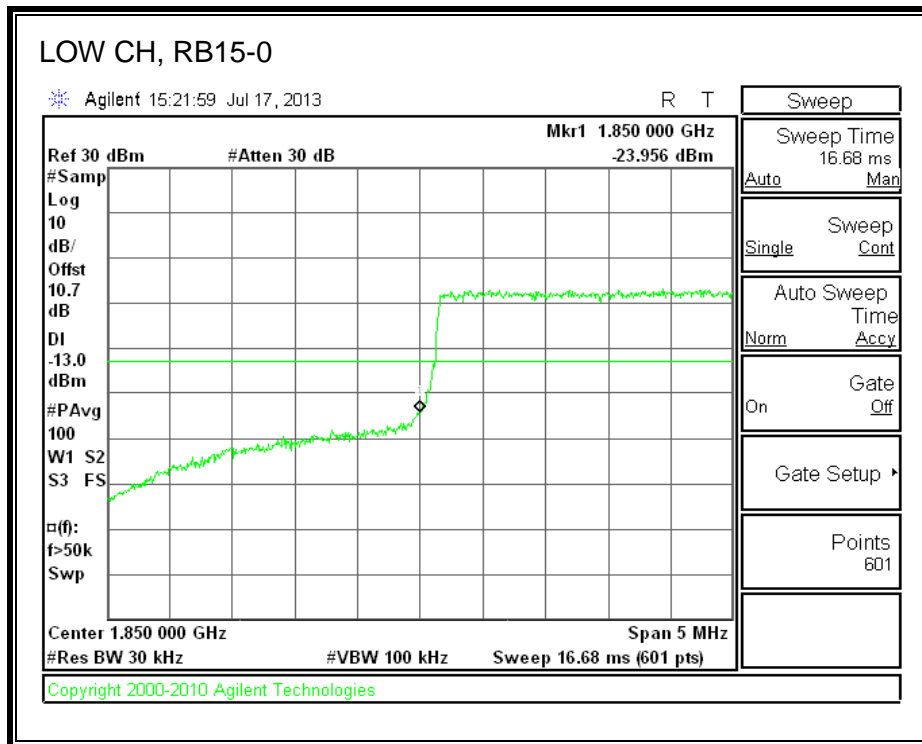


LTE 16QAM Band 25 (3.0 MHz BAND WIDTH)

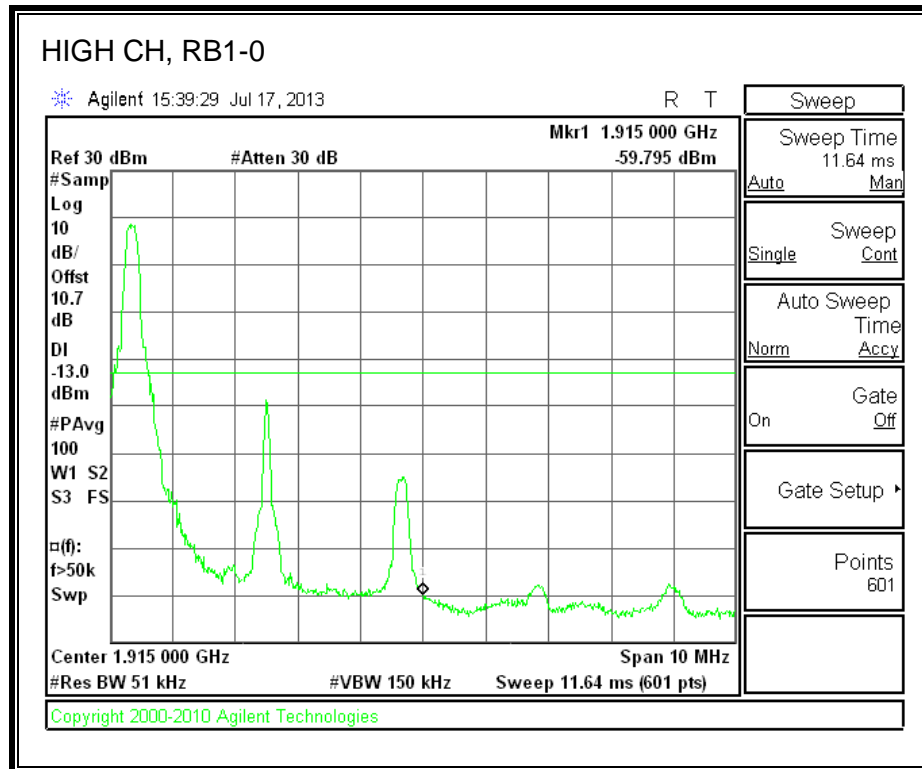
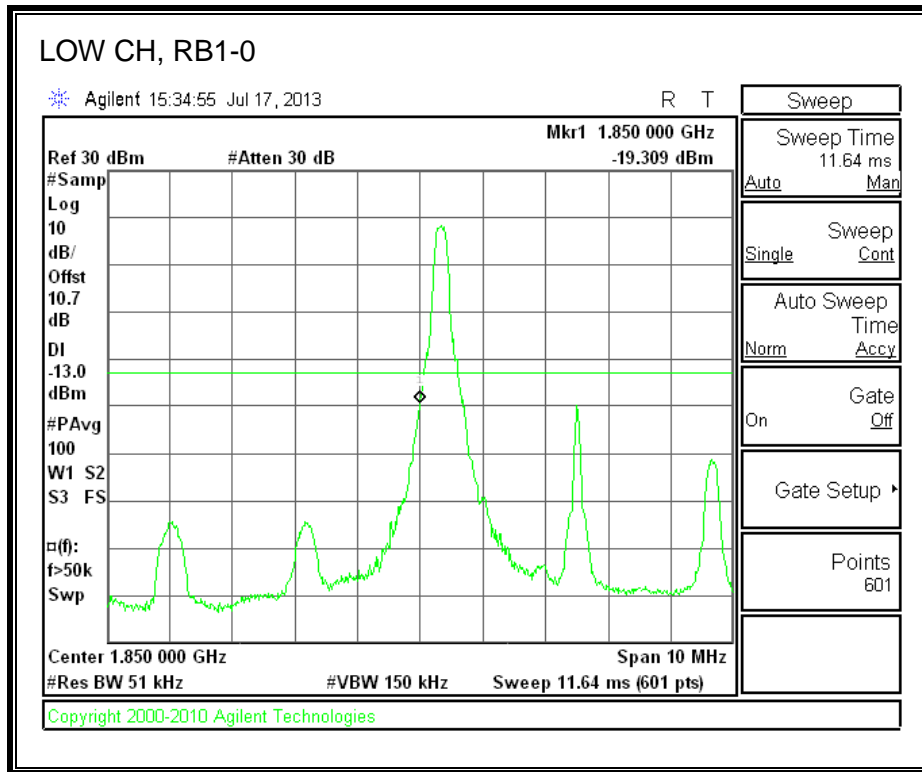


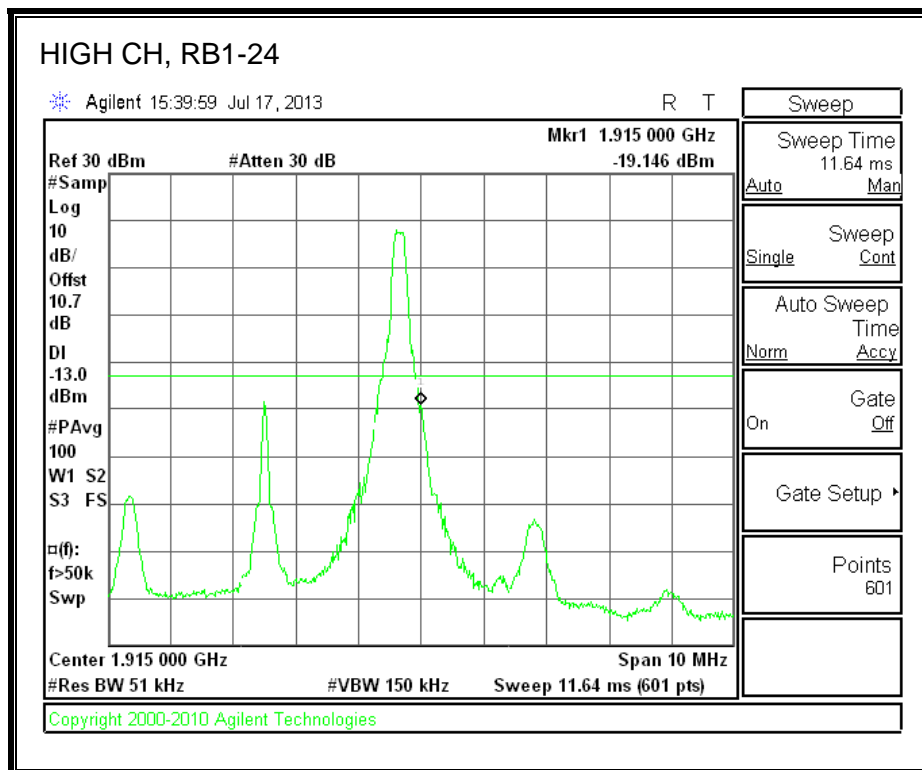
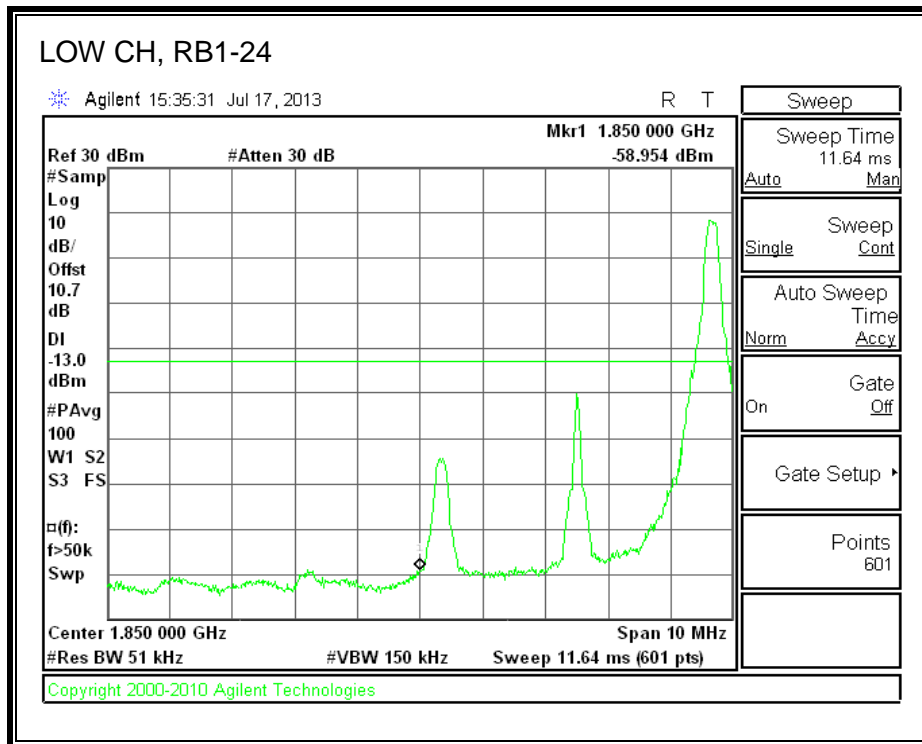


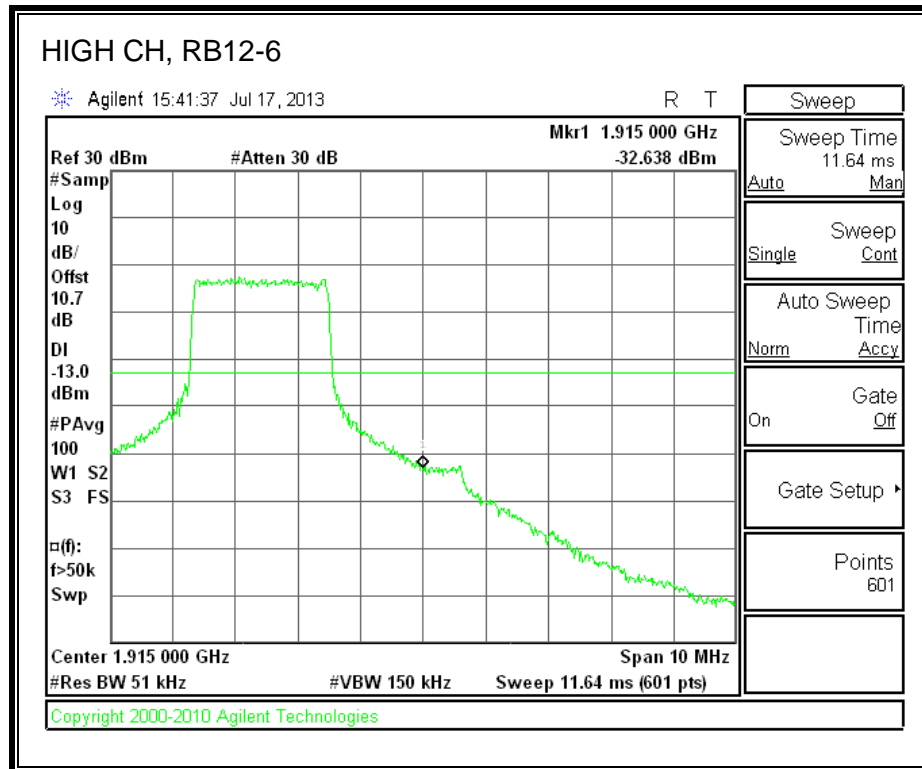
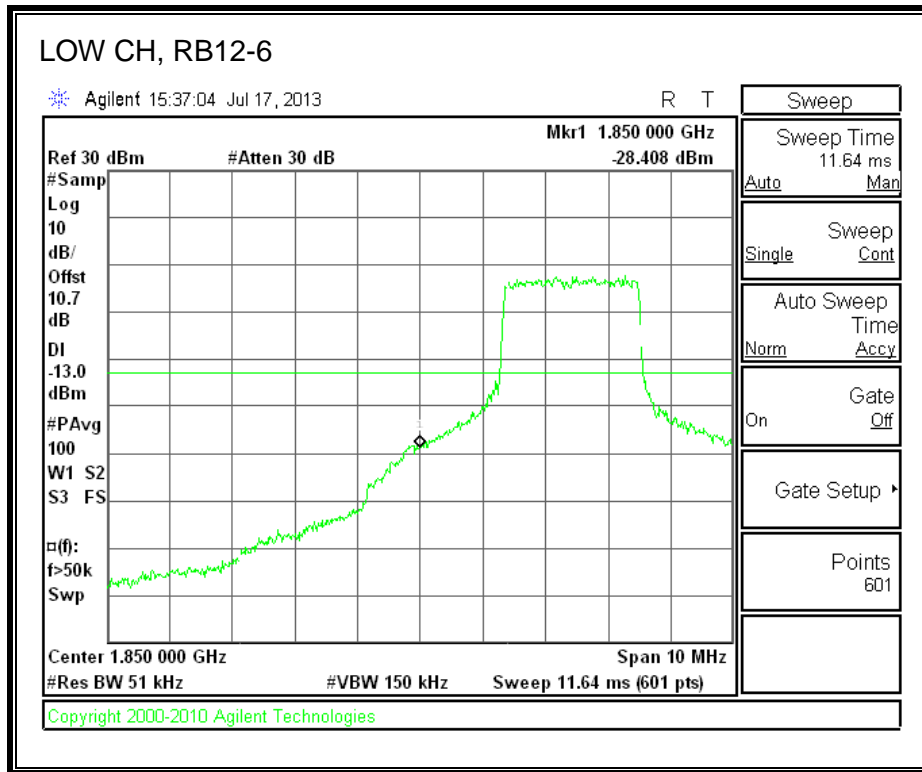


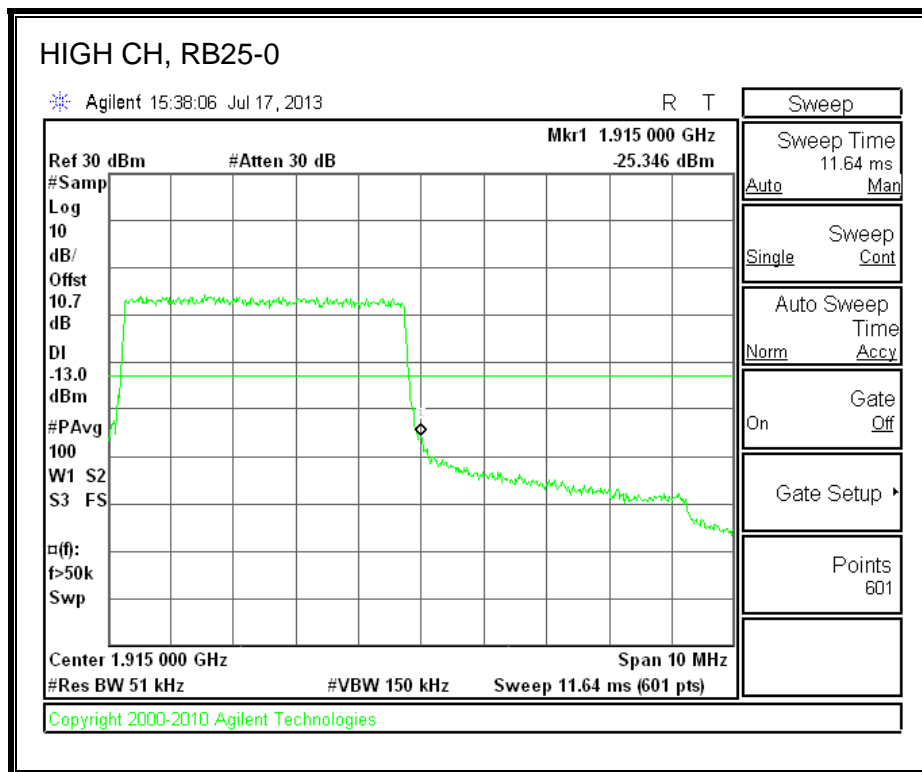
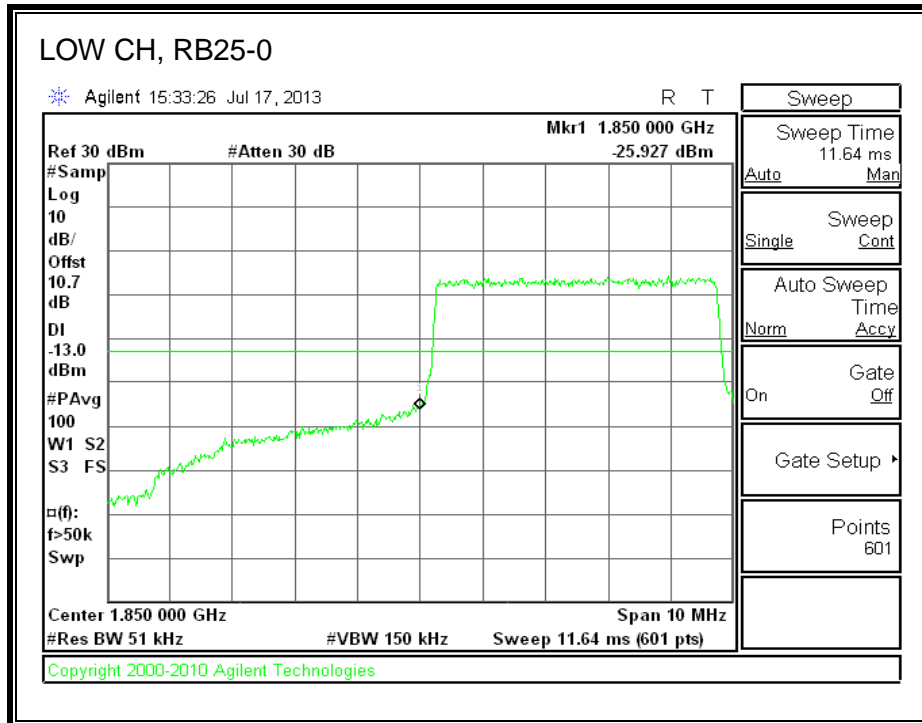


LTE QPSK Band 25 (5.0 MHz BAND WIDTH)

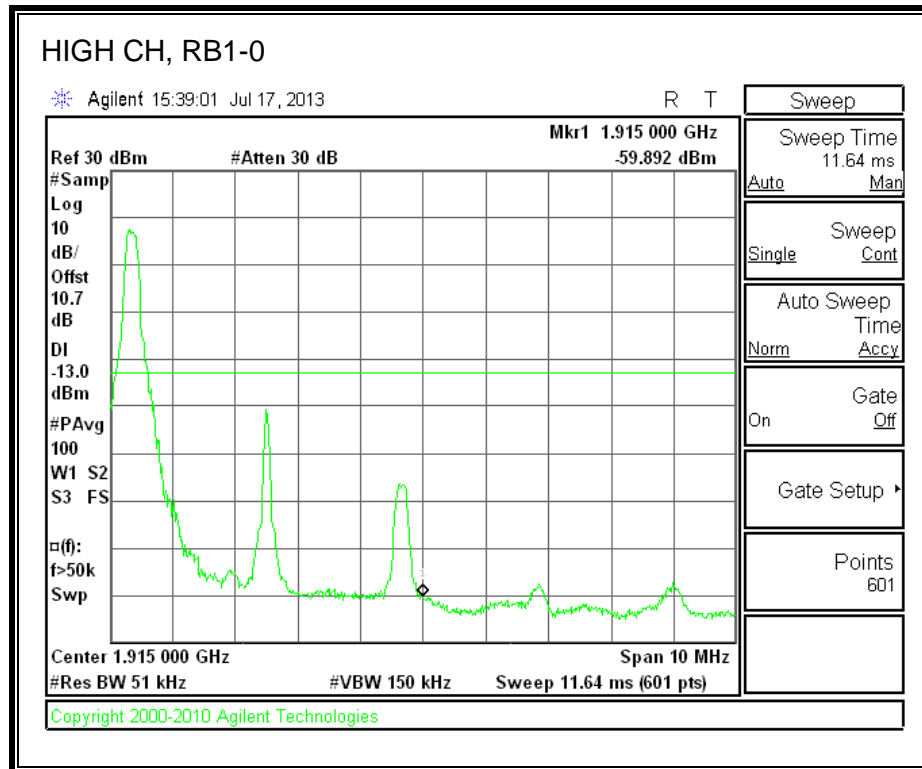
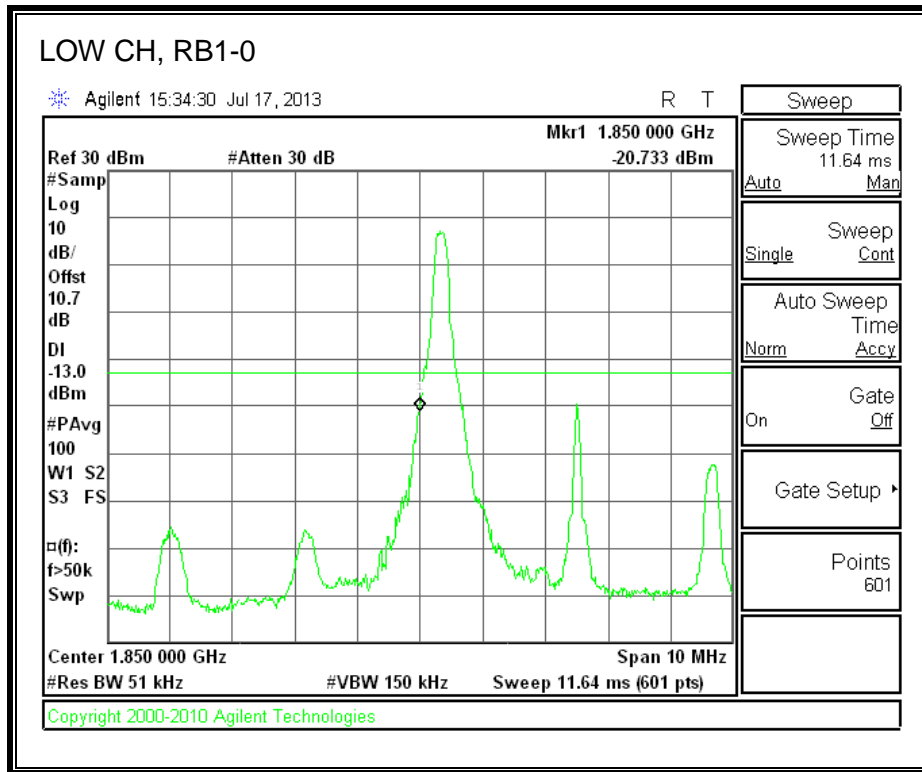


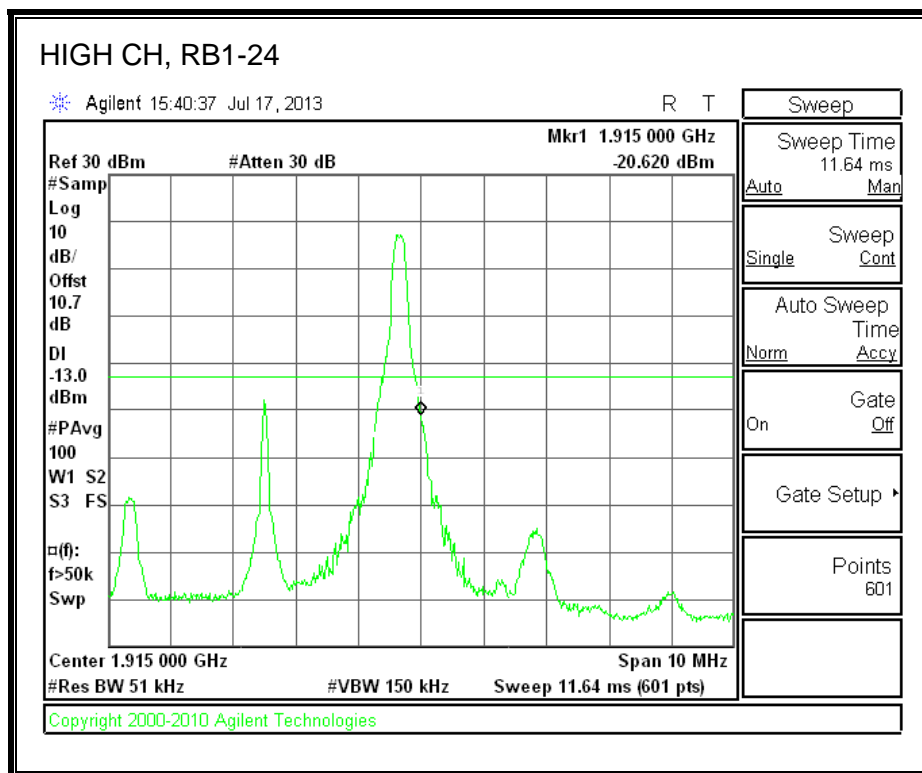
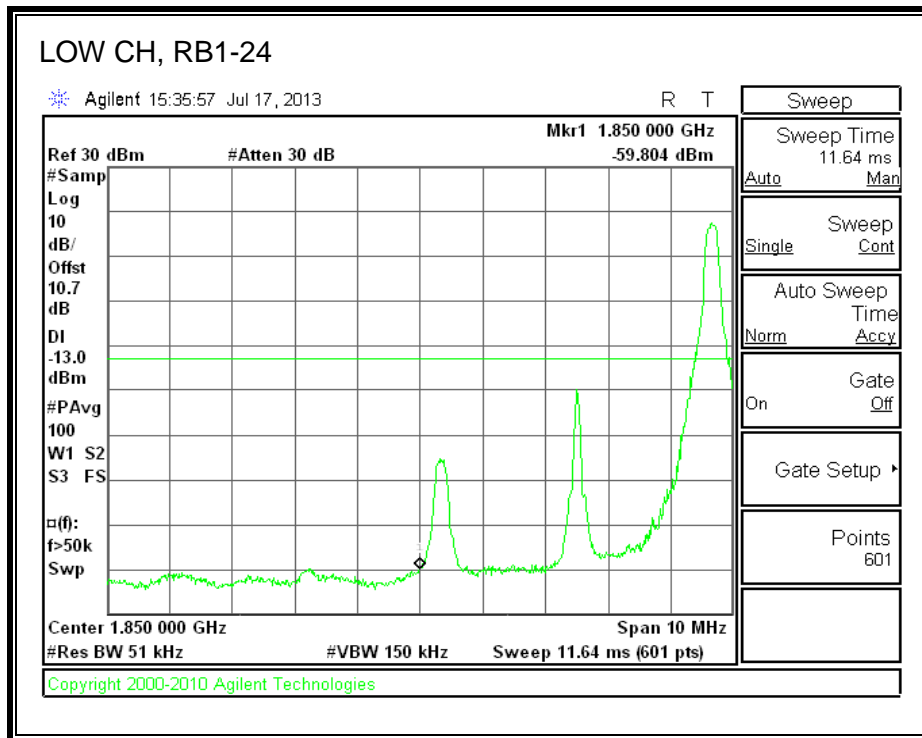


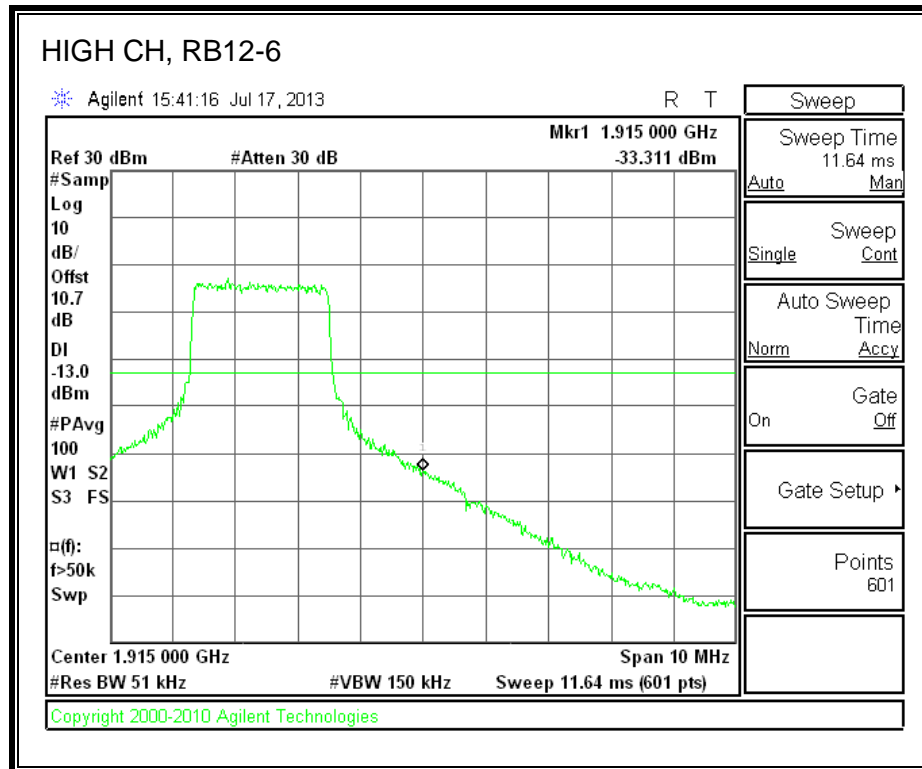
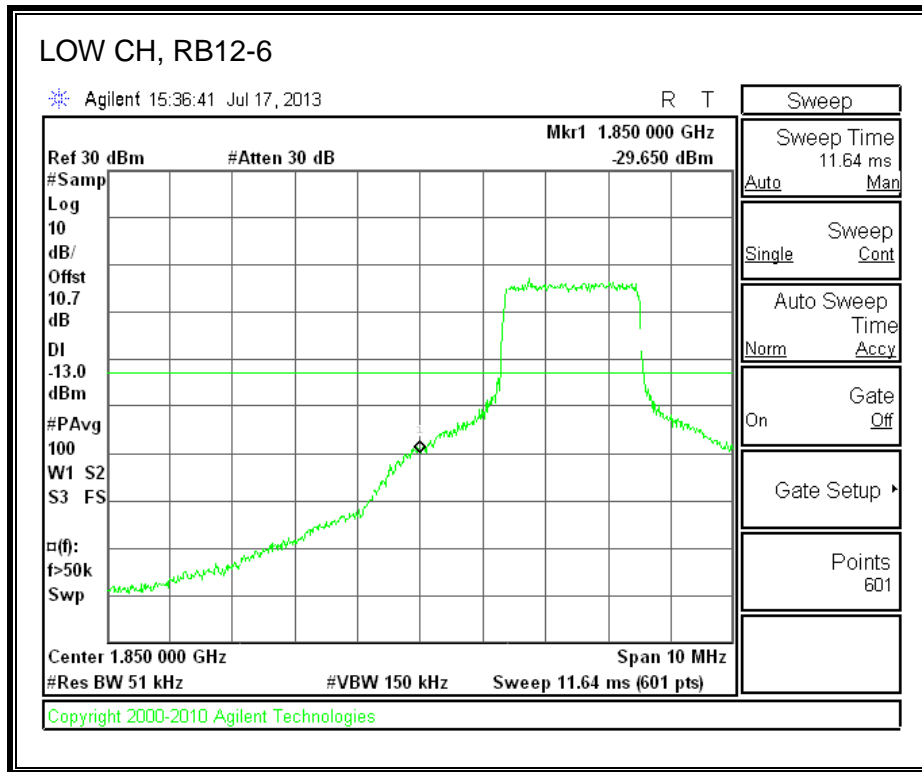


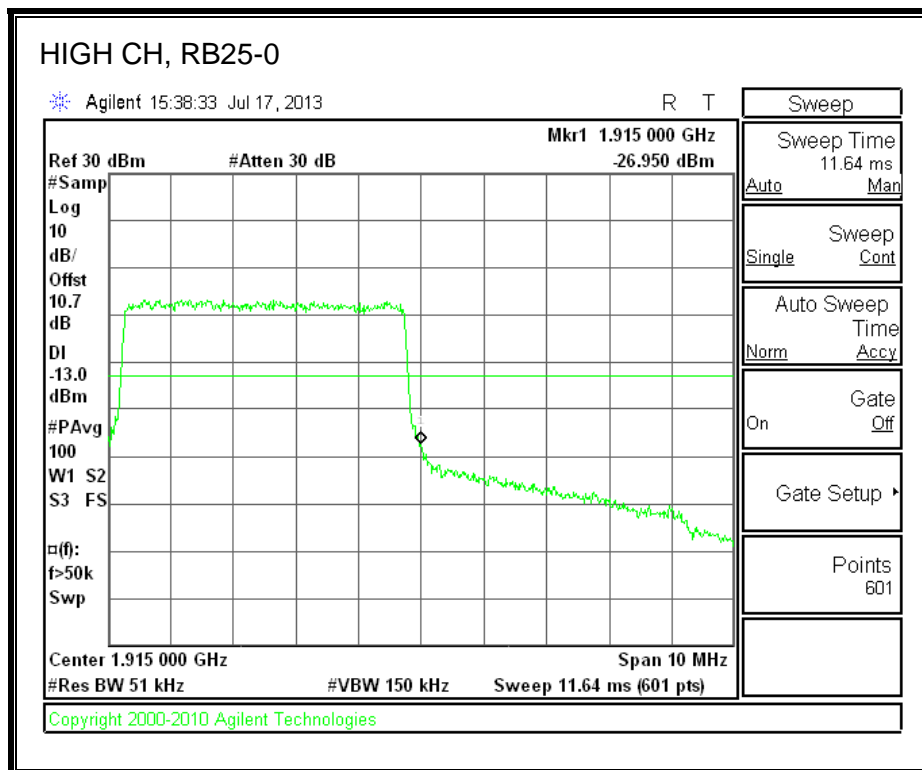
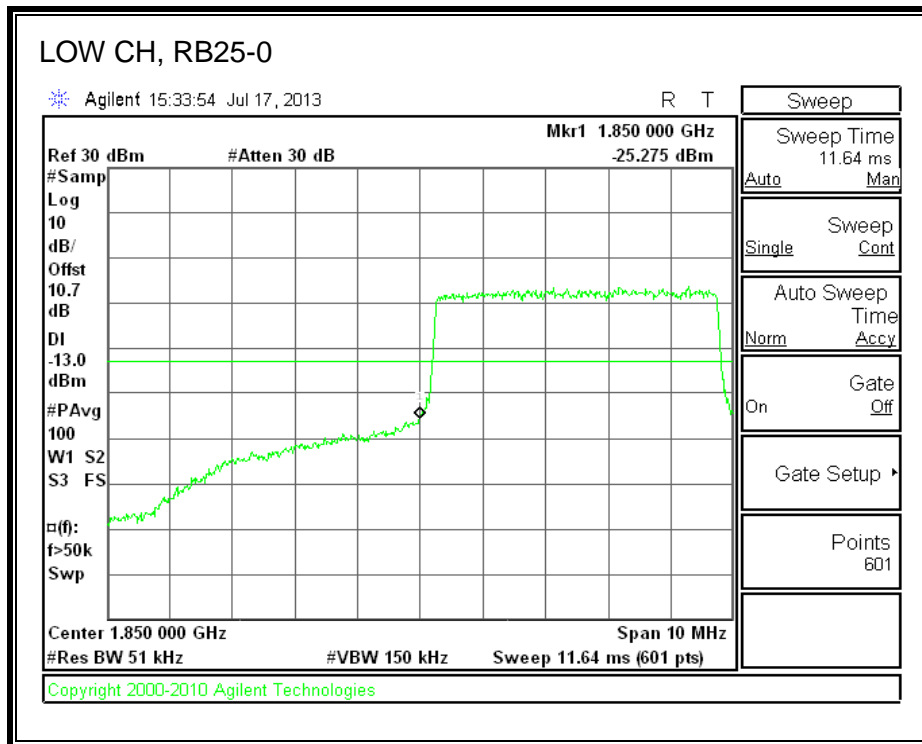


LTE 16QAM Band 25 (5.0 MHz BAND WIDTH)

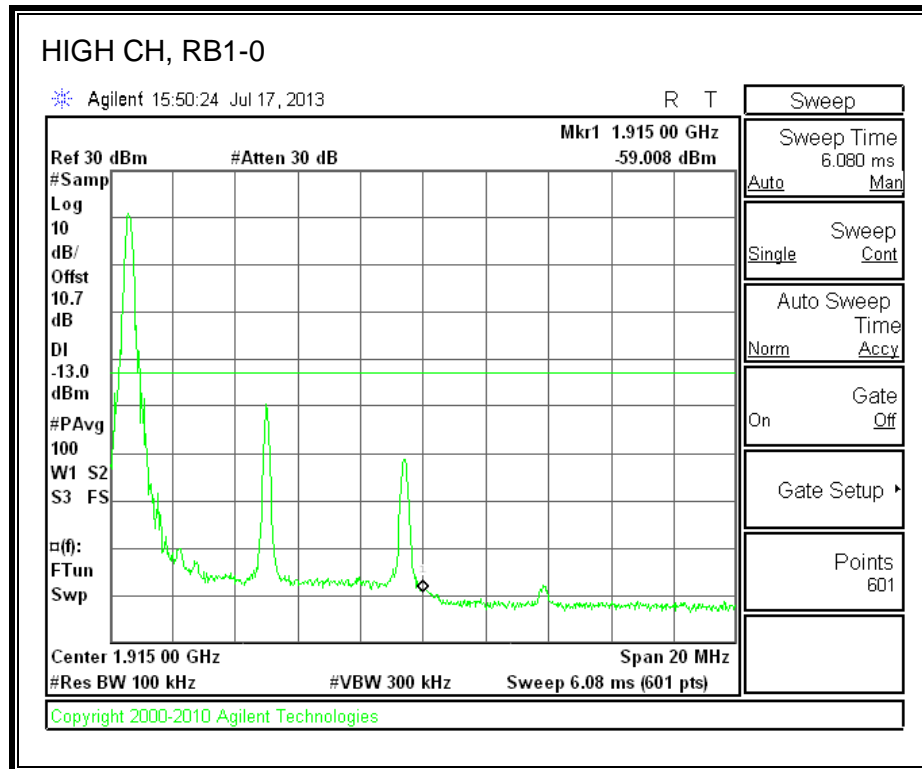
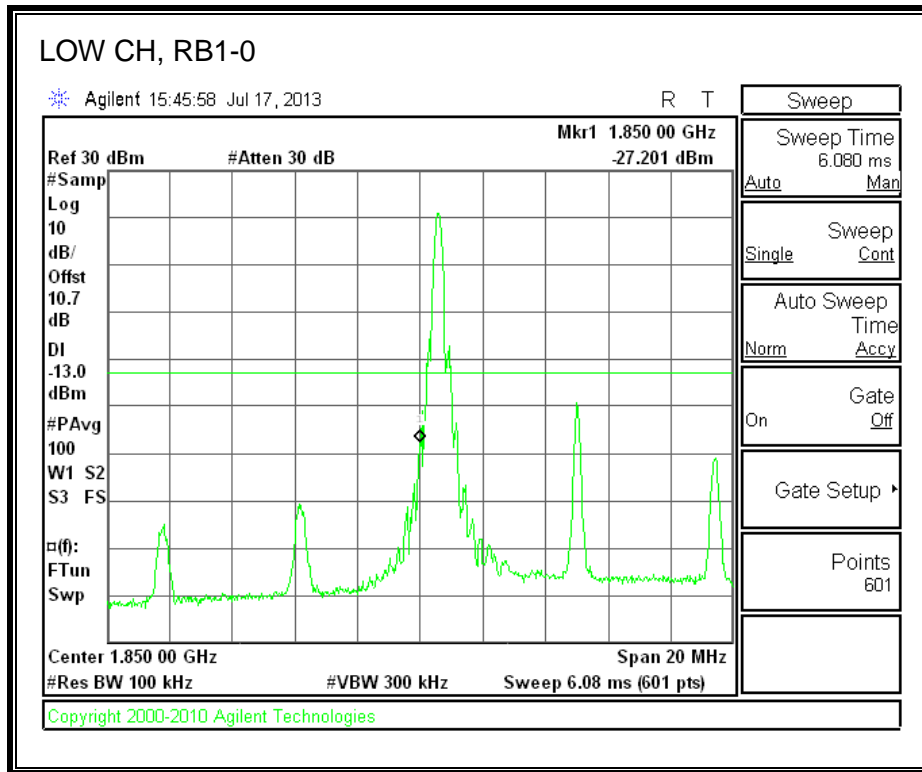


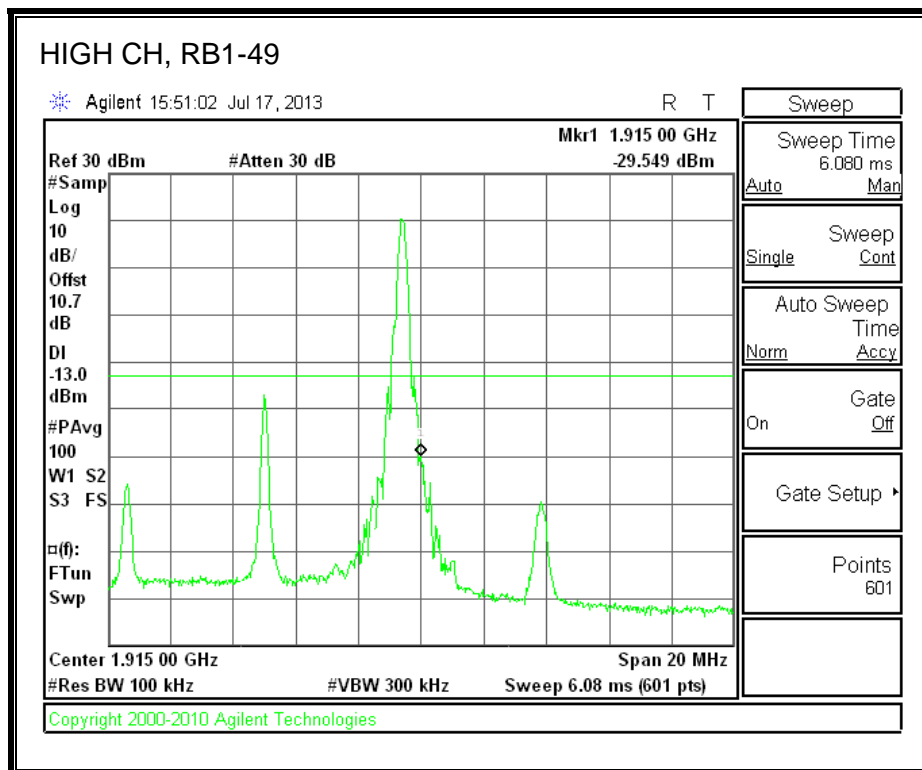
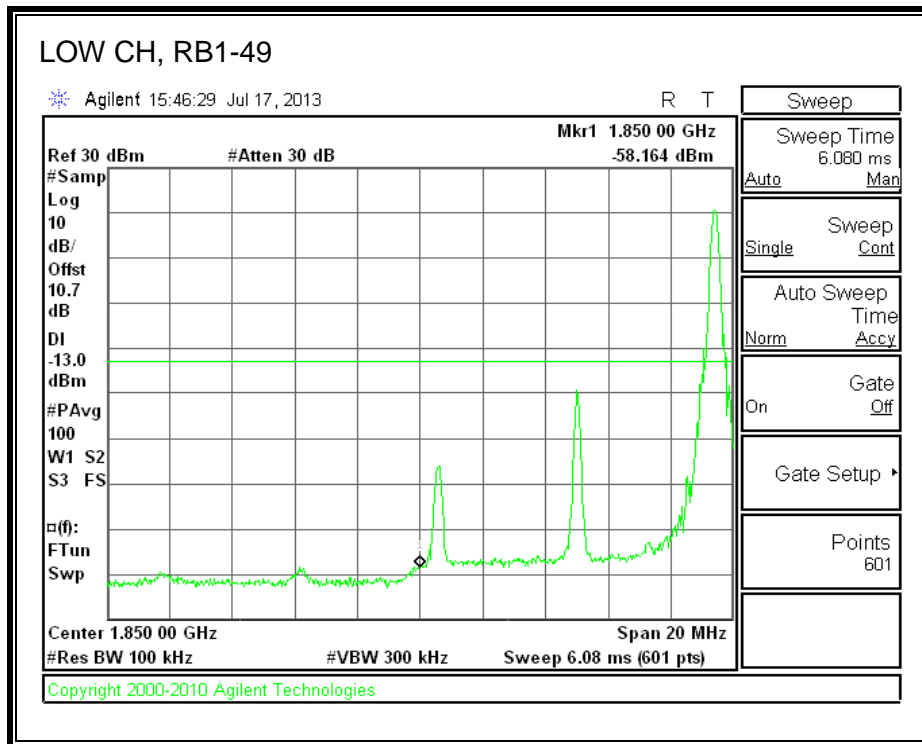


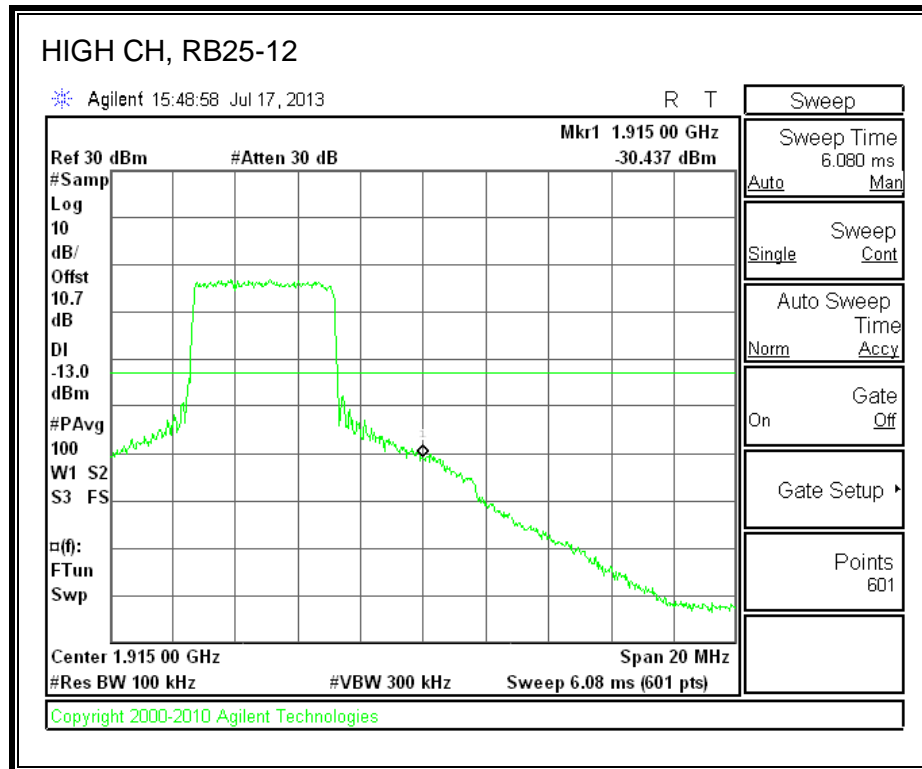
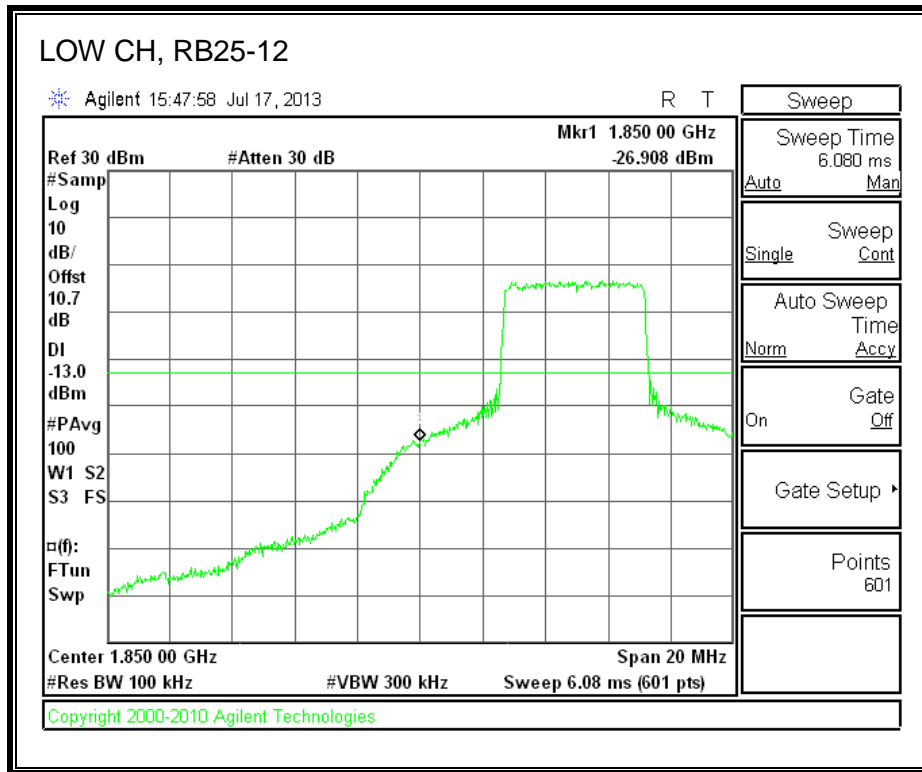


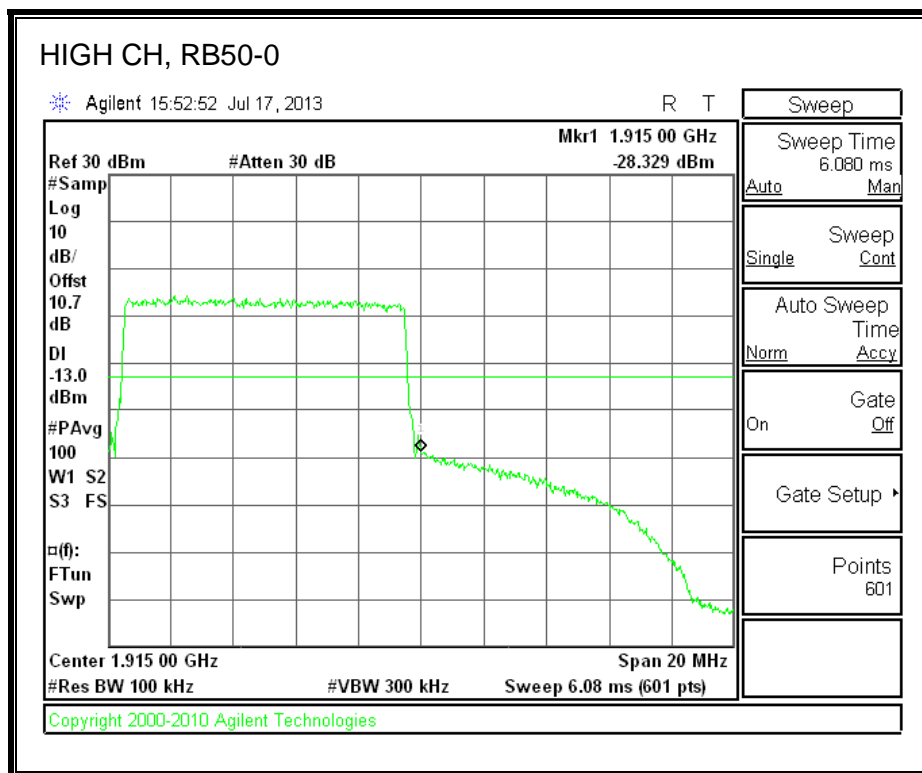
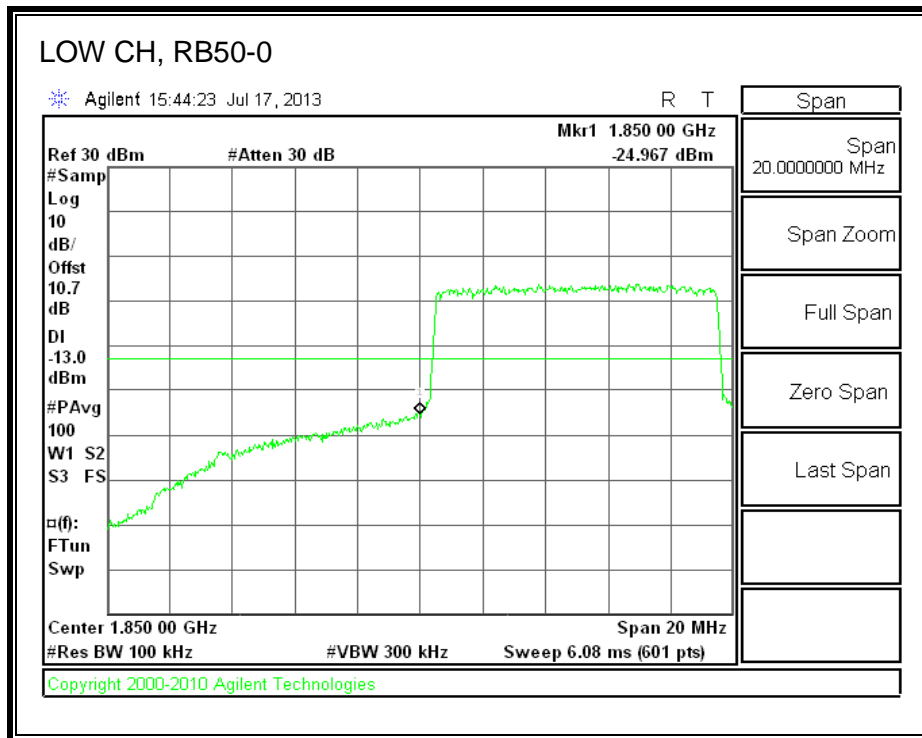


LTE QPSK Band 25 (10.0 MHz BAND WIDTH)

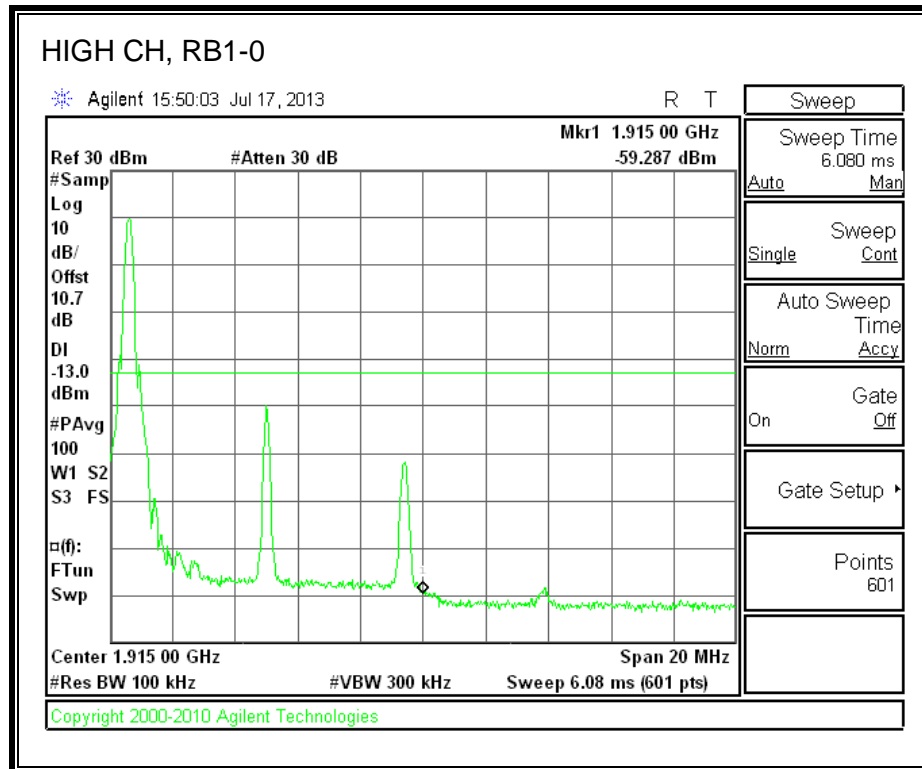
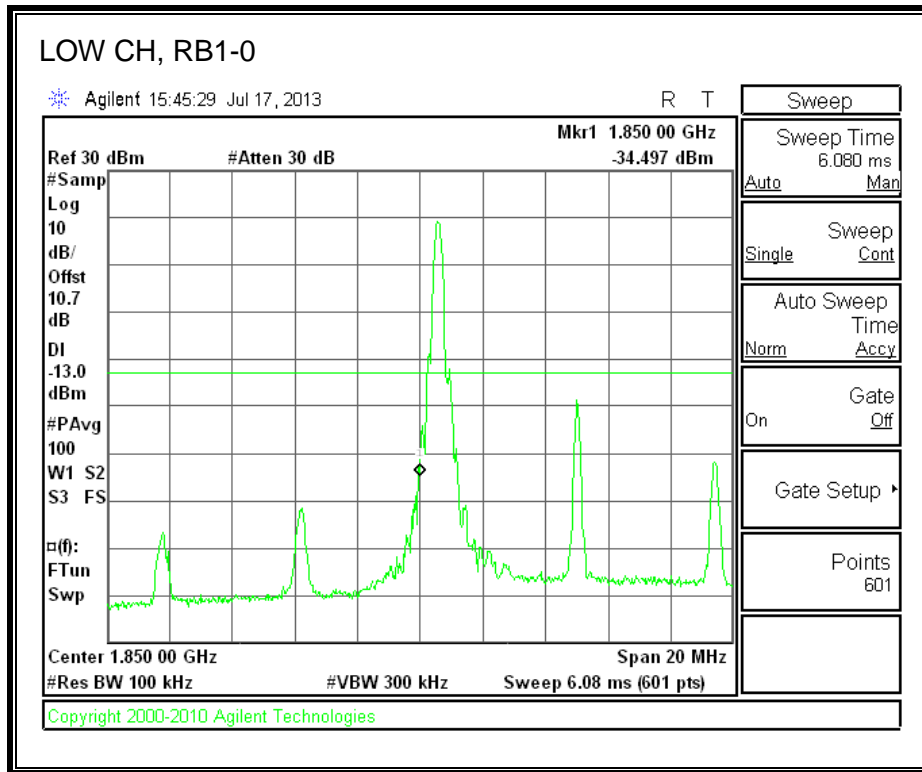


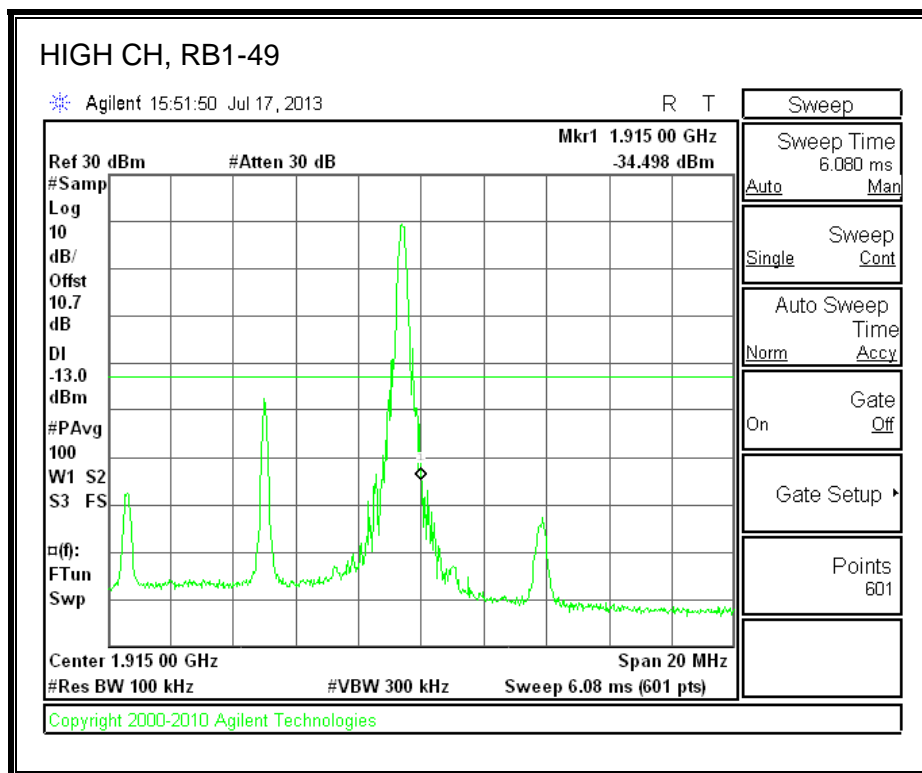
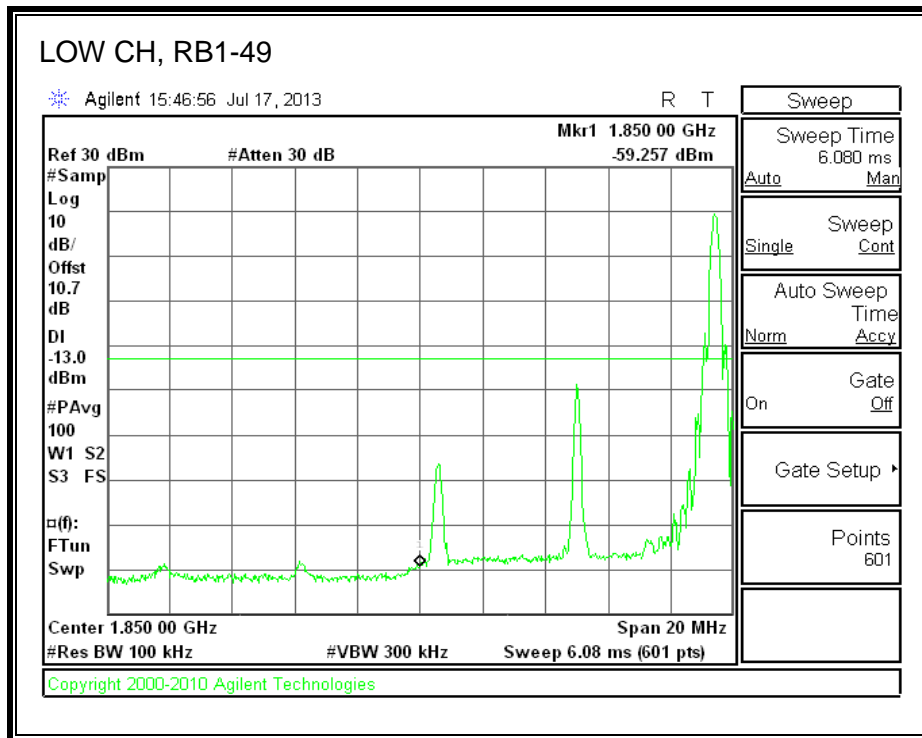


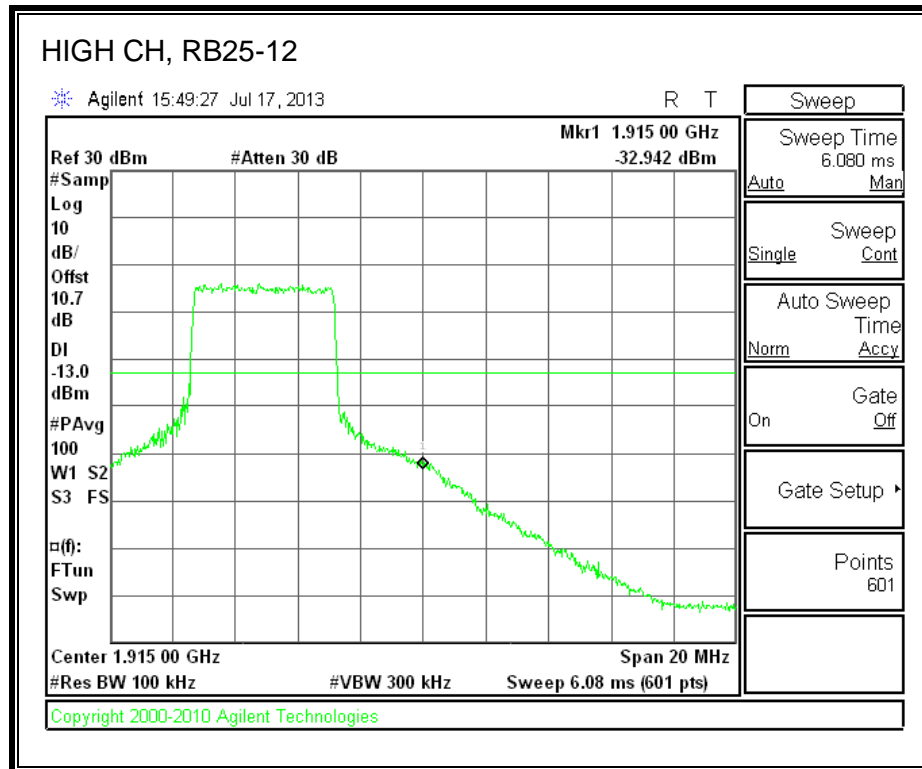
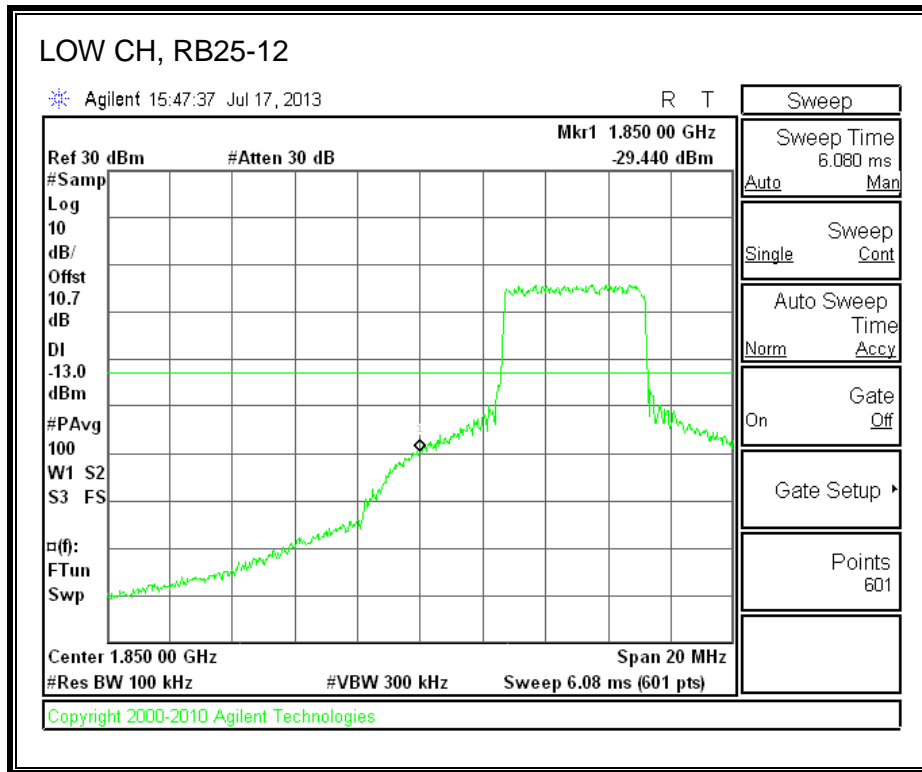


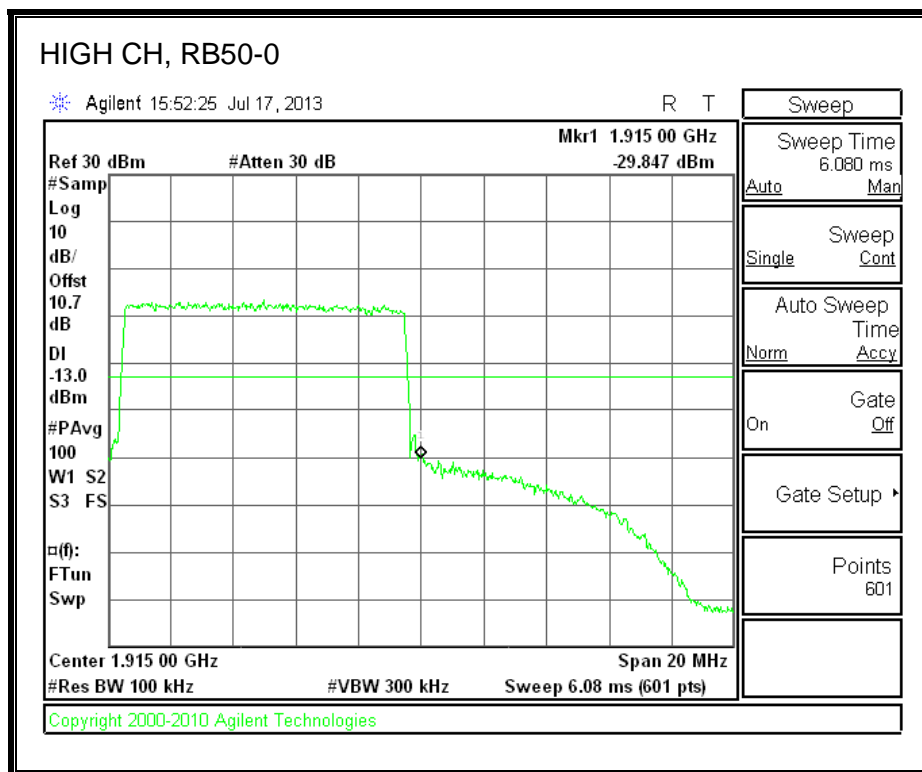
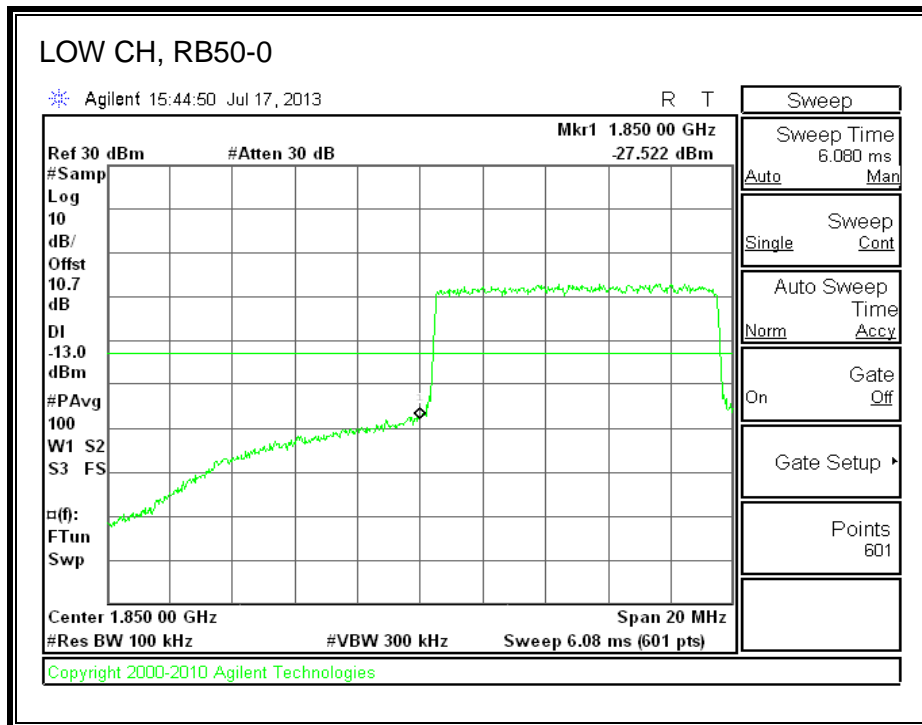


LTE 16QAM Band 25 (10.0 MHz BAND WIDTH)

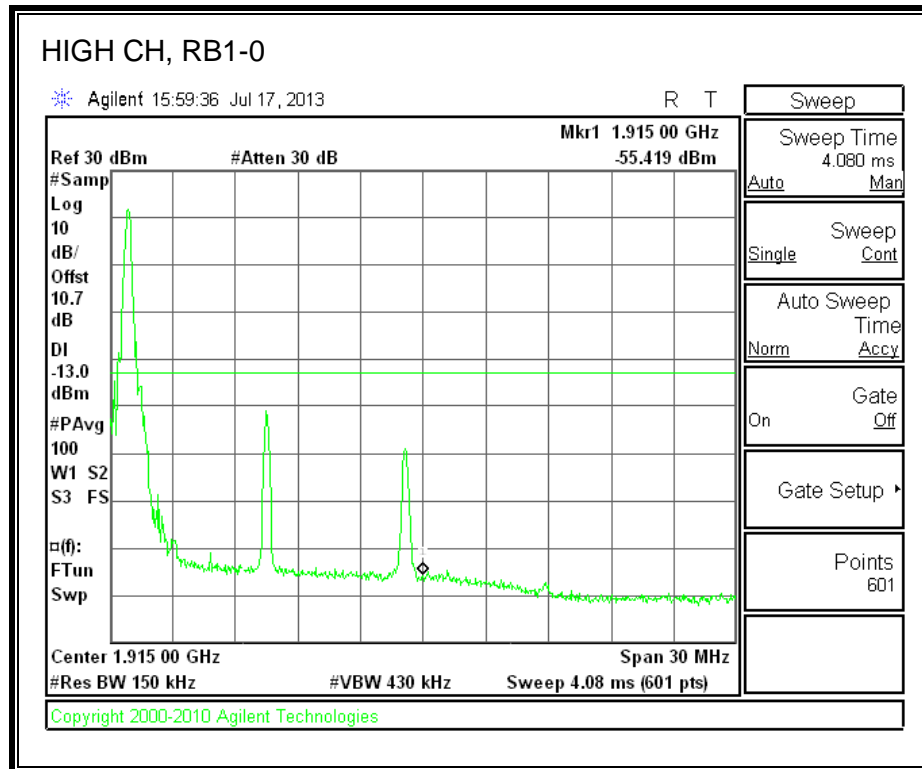
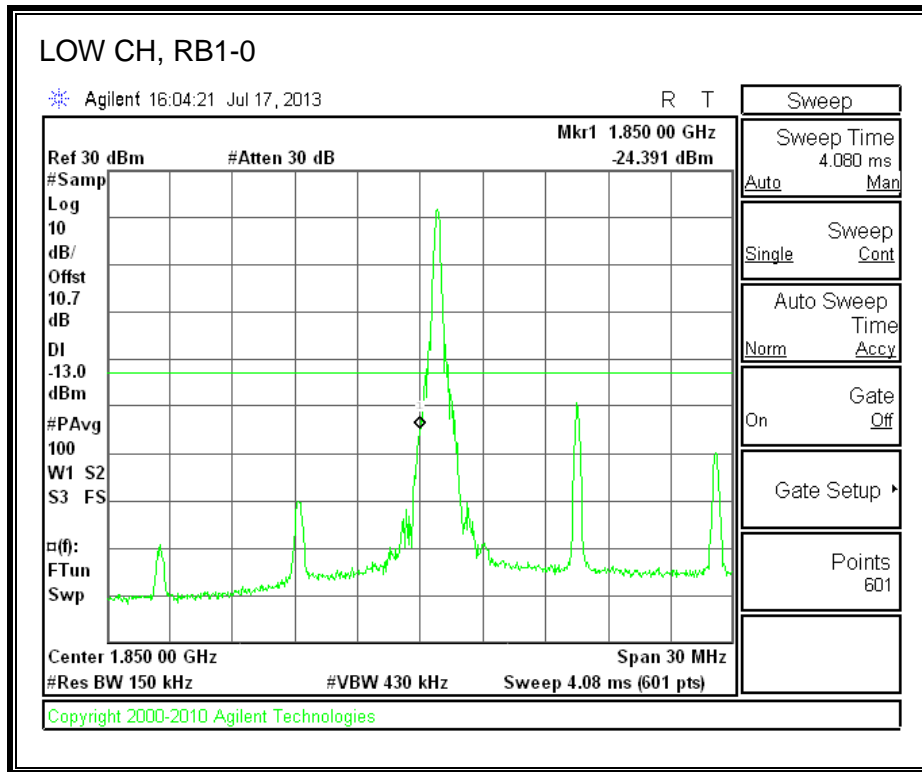


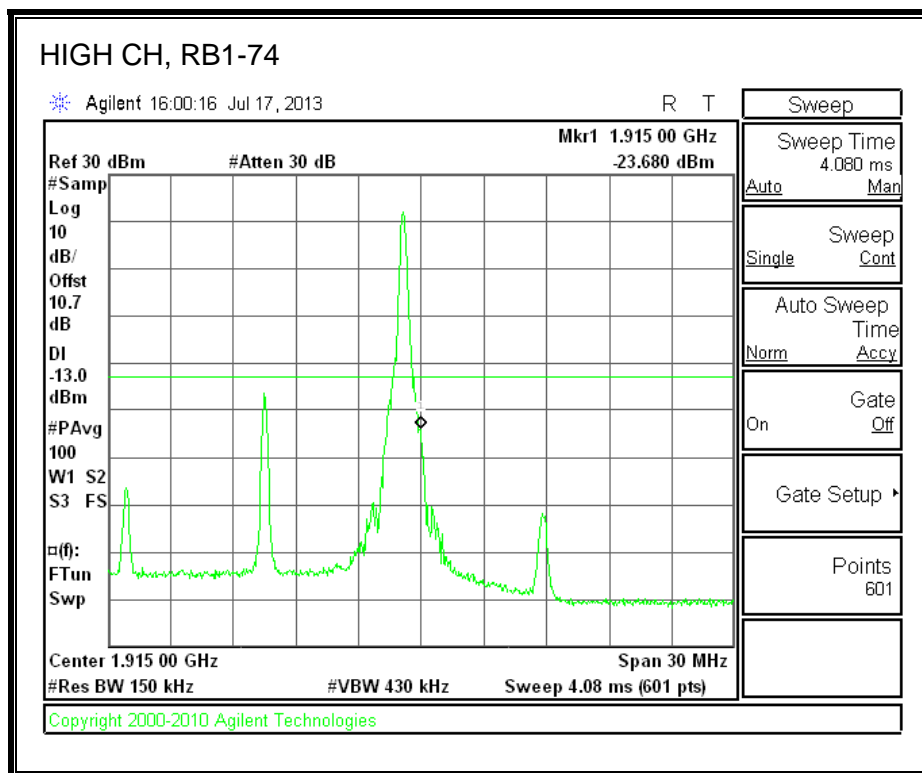
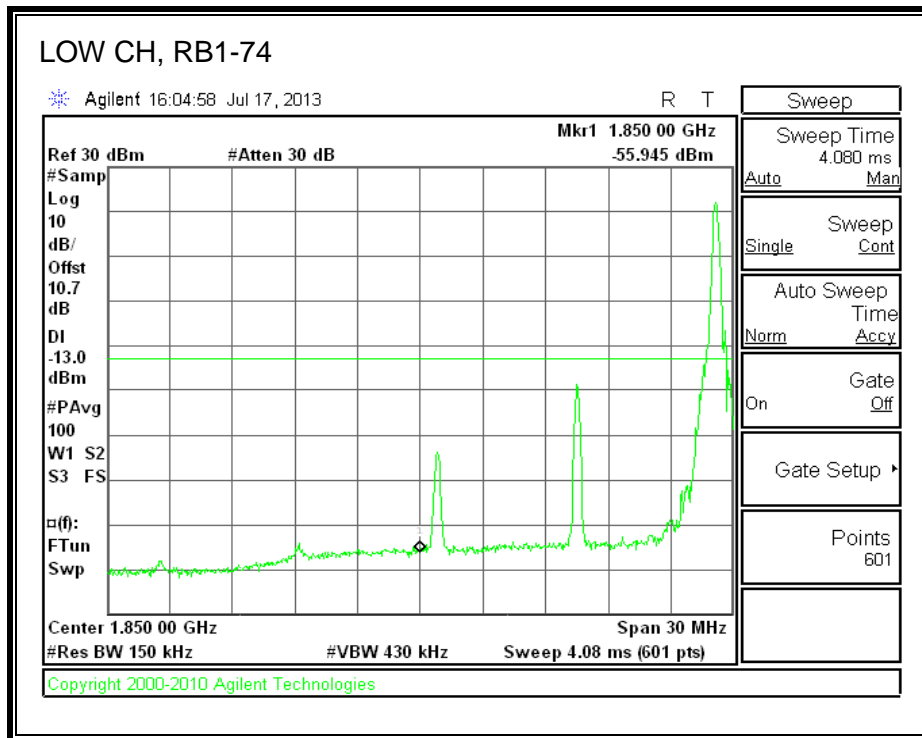


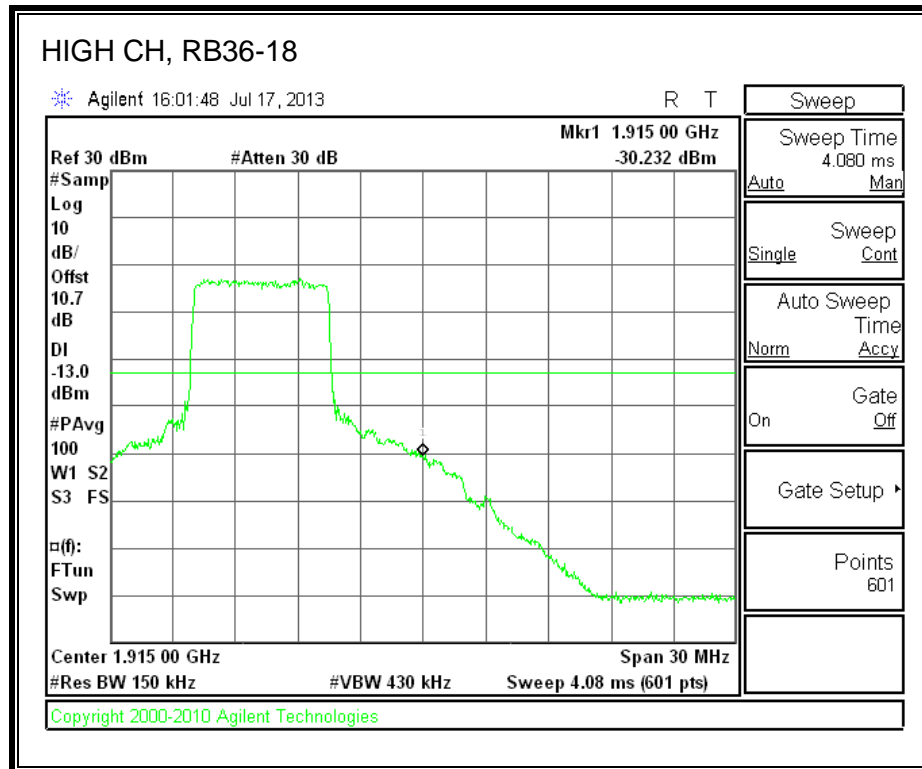
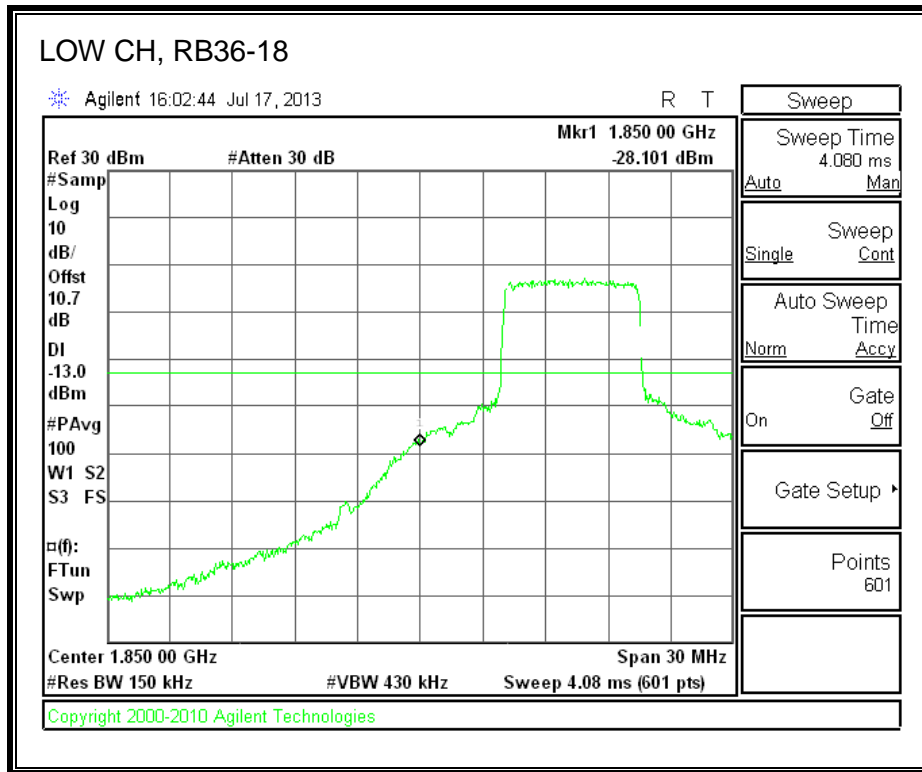


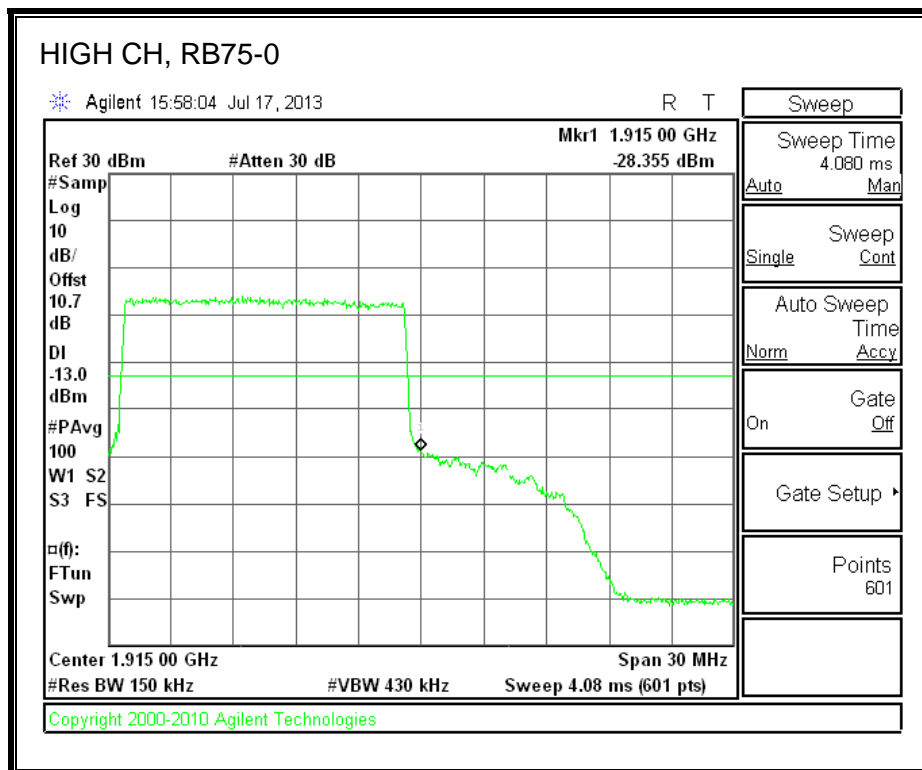
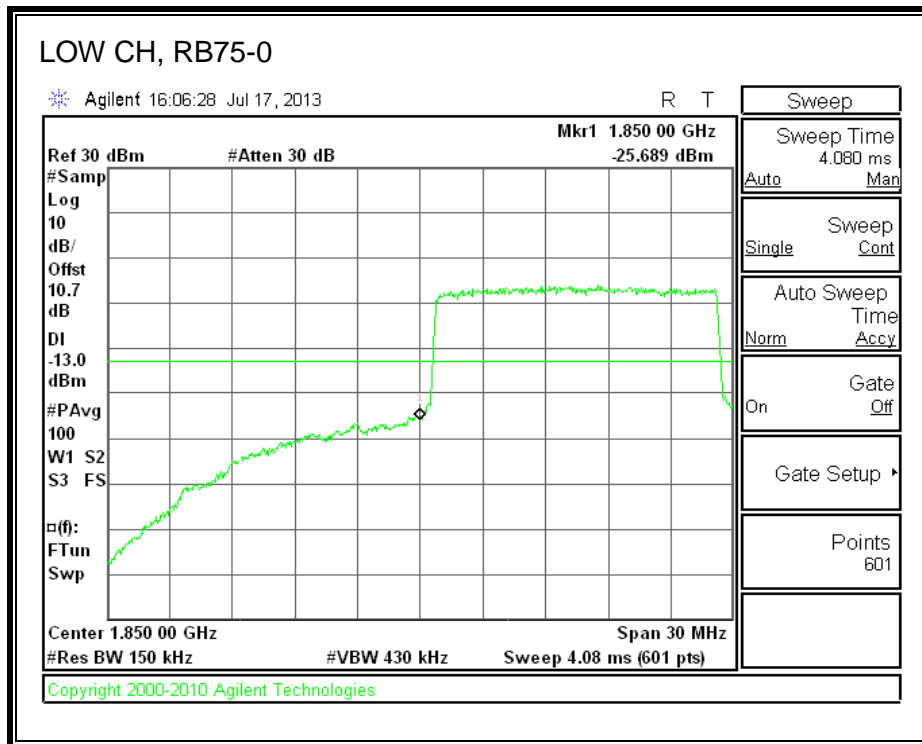


LTE QPSK Band 25 (15.0 MHz BAND WIDTH)

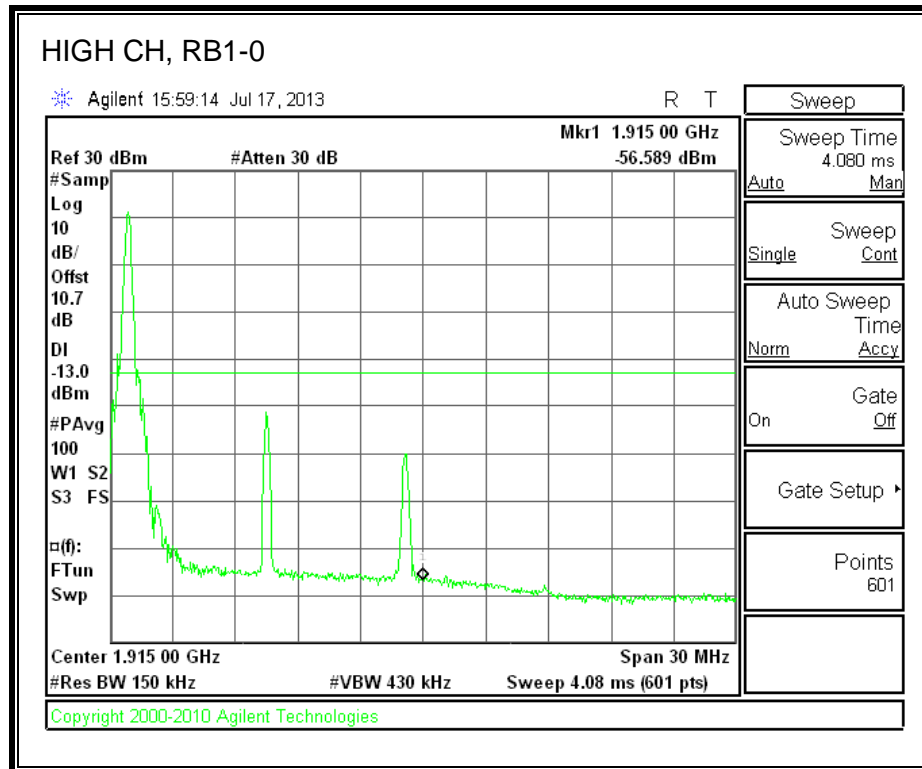
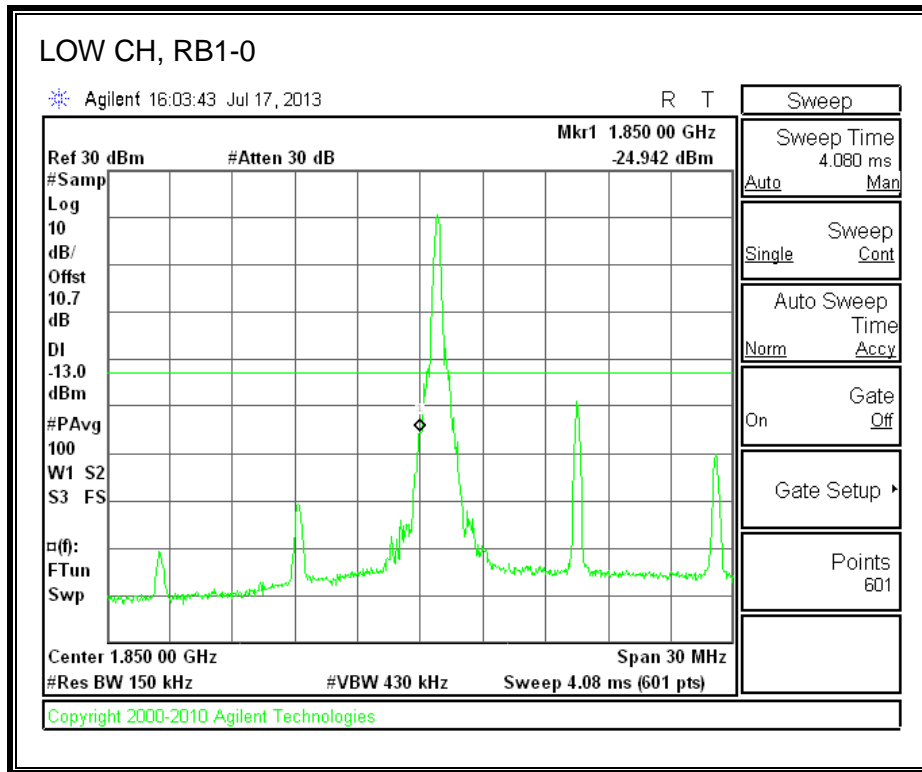


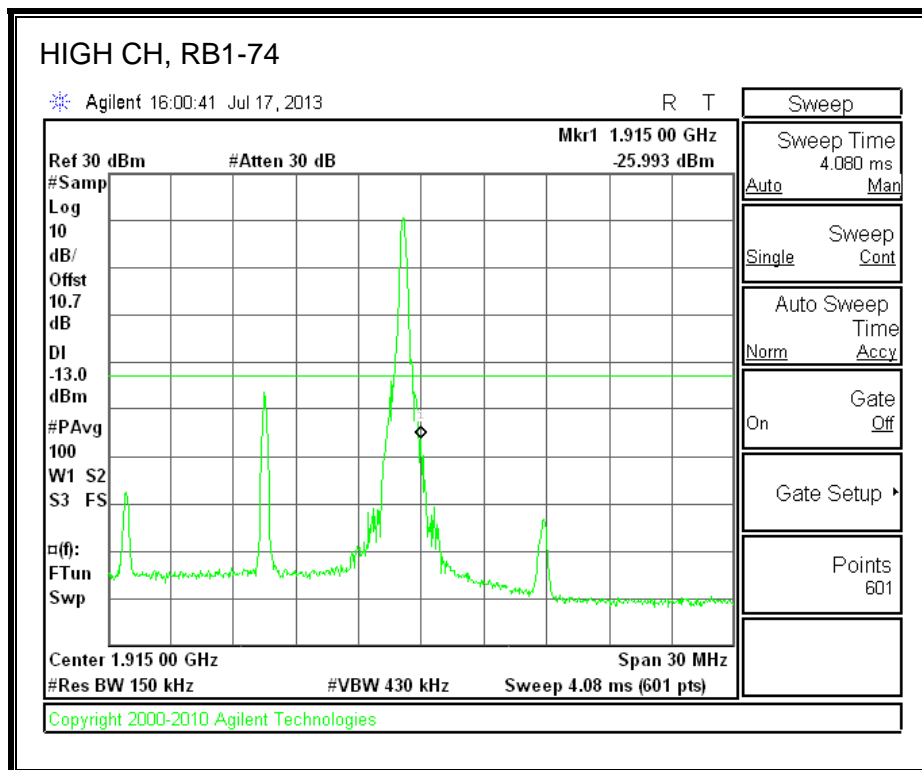
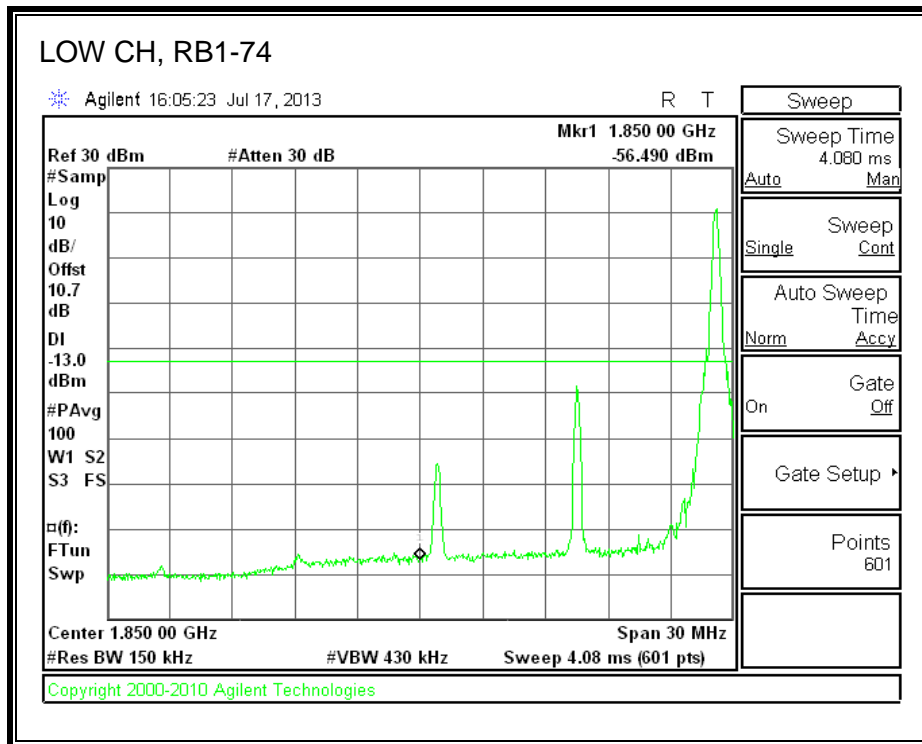


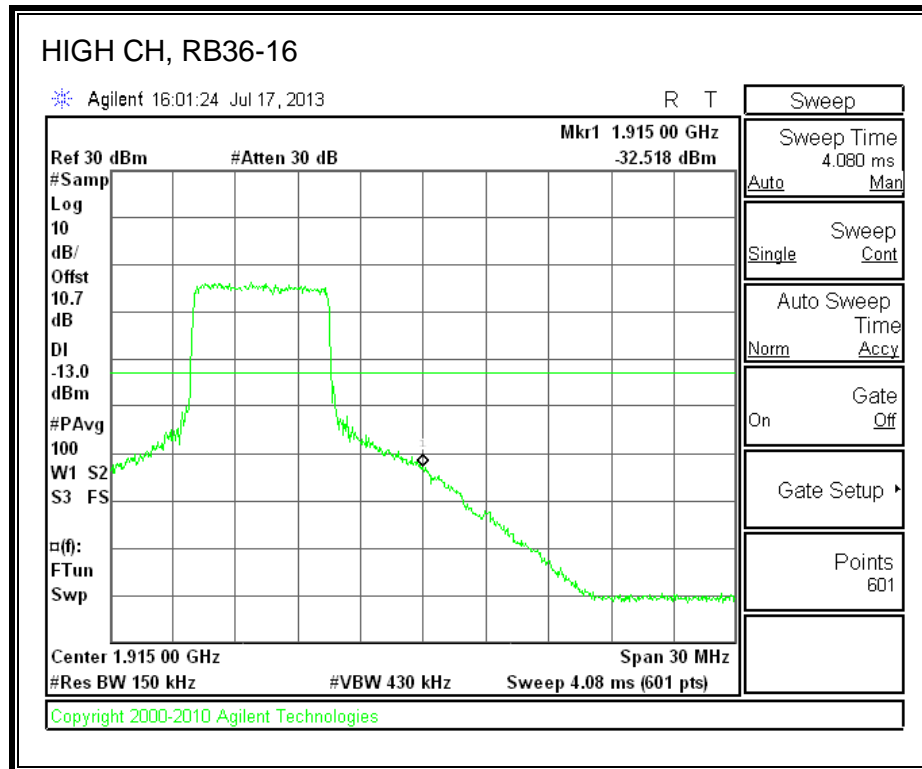
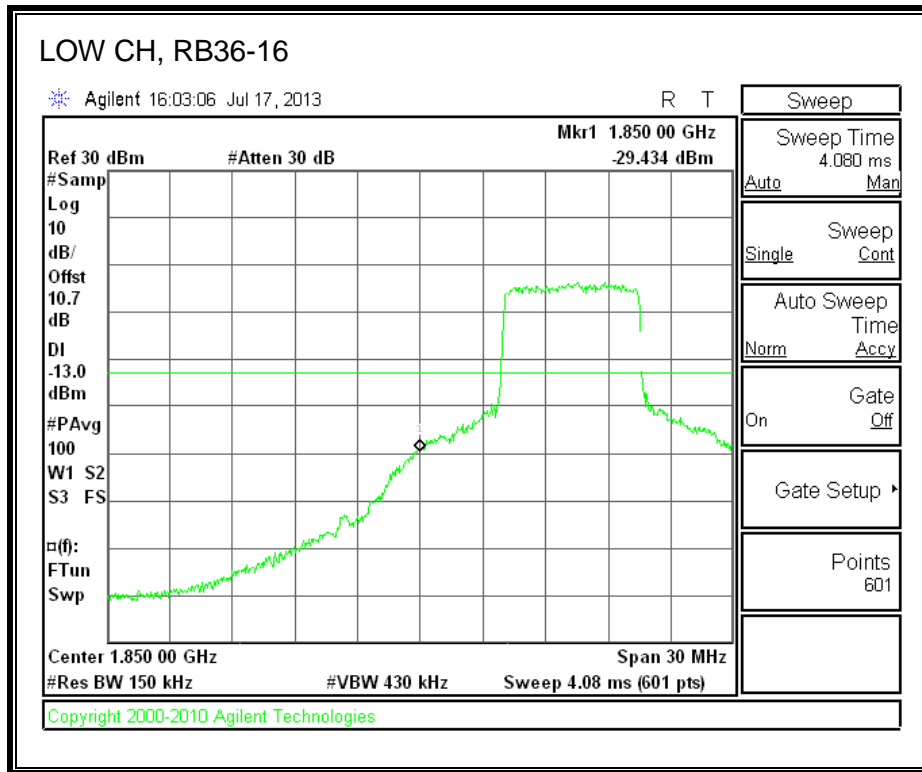


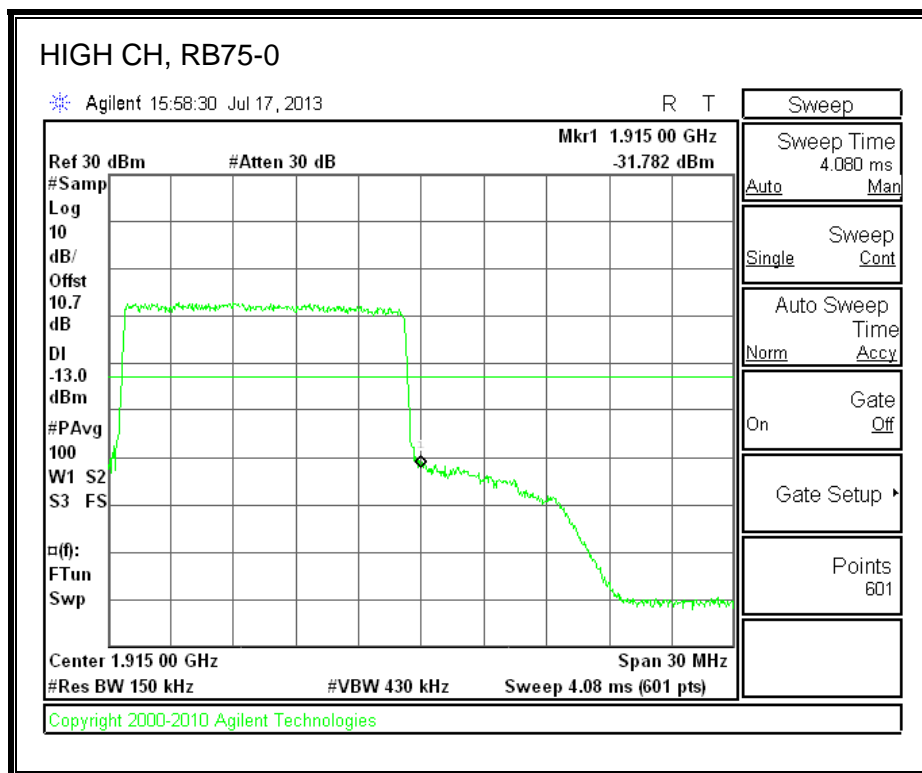
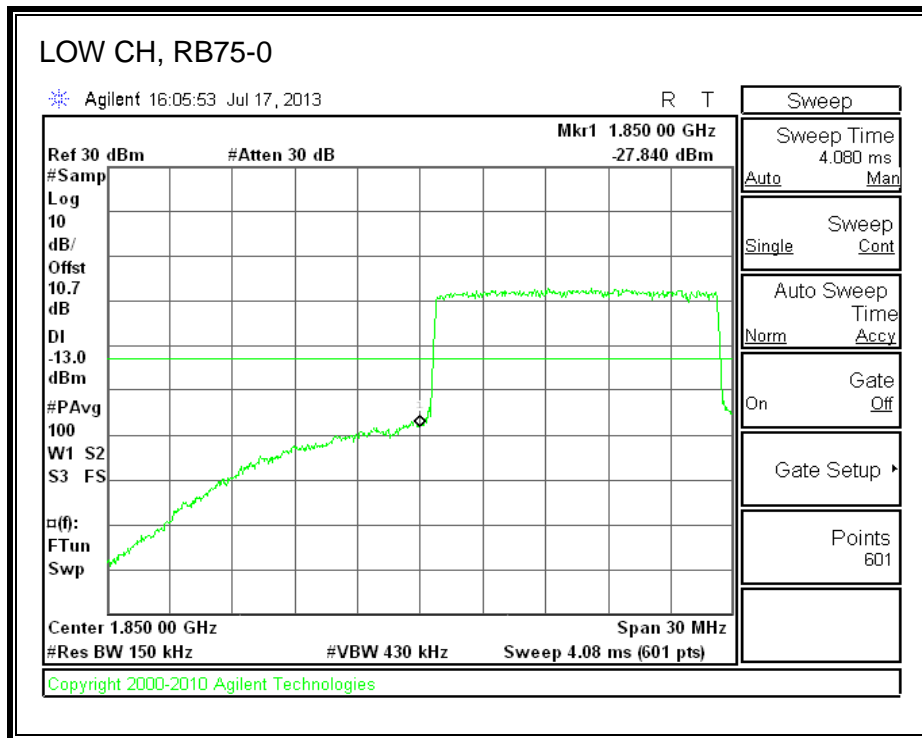


LTE 16QAM Band 25 (15.0 MHz BAND WIDTH)

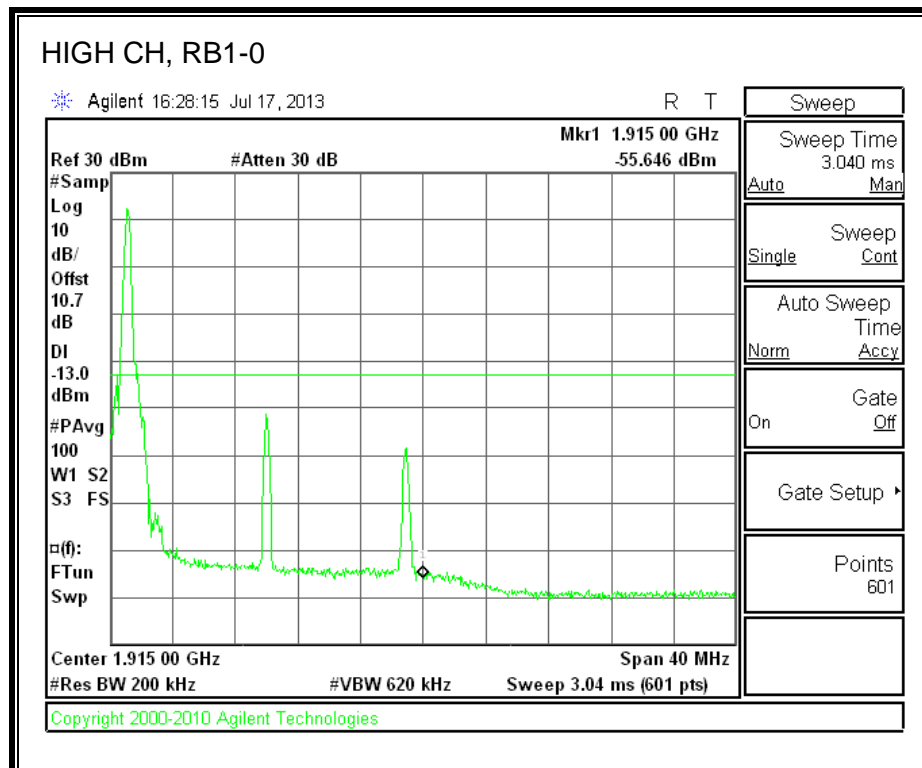
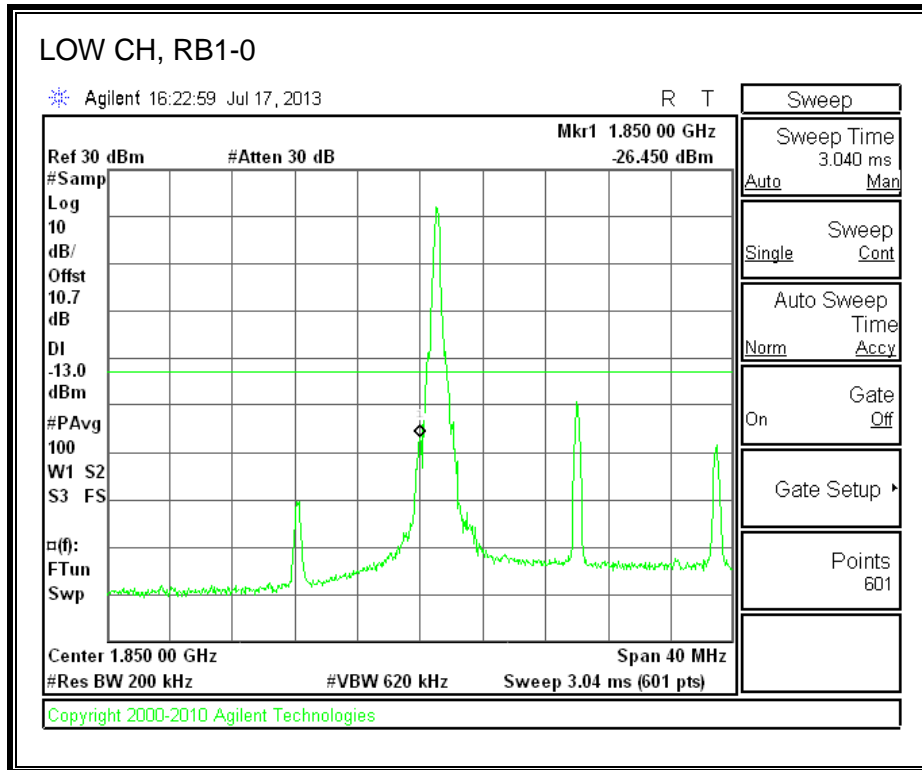


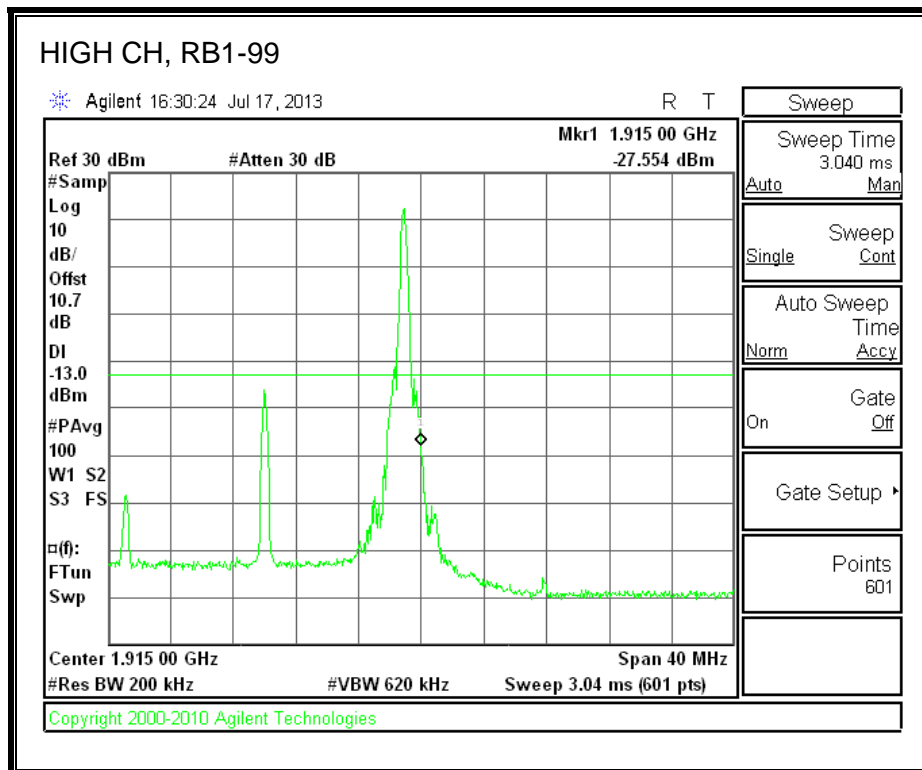
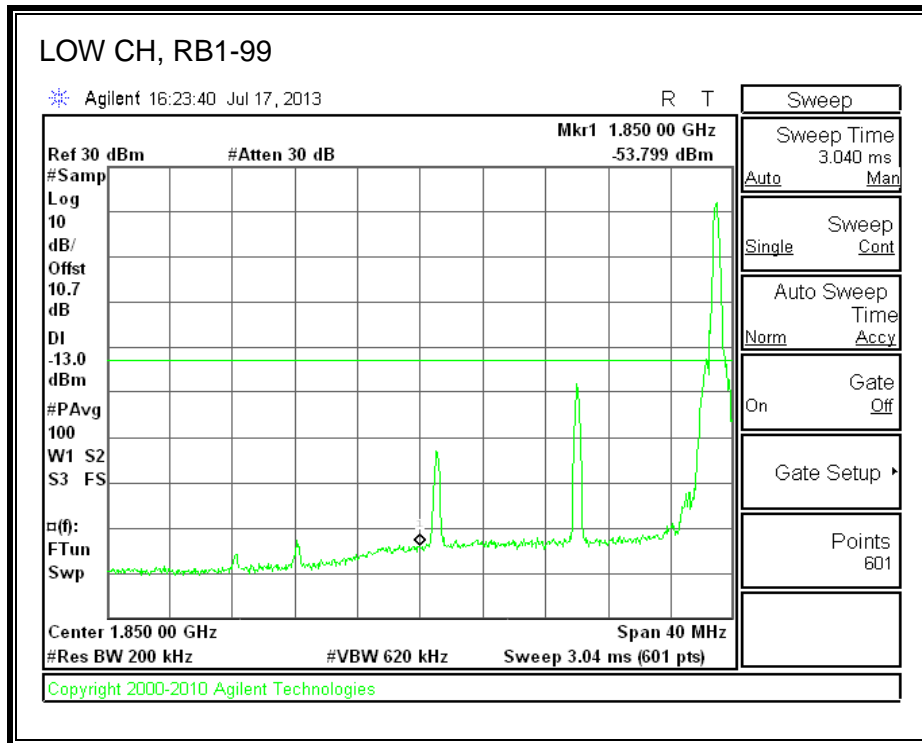


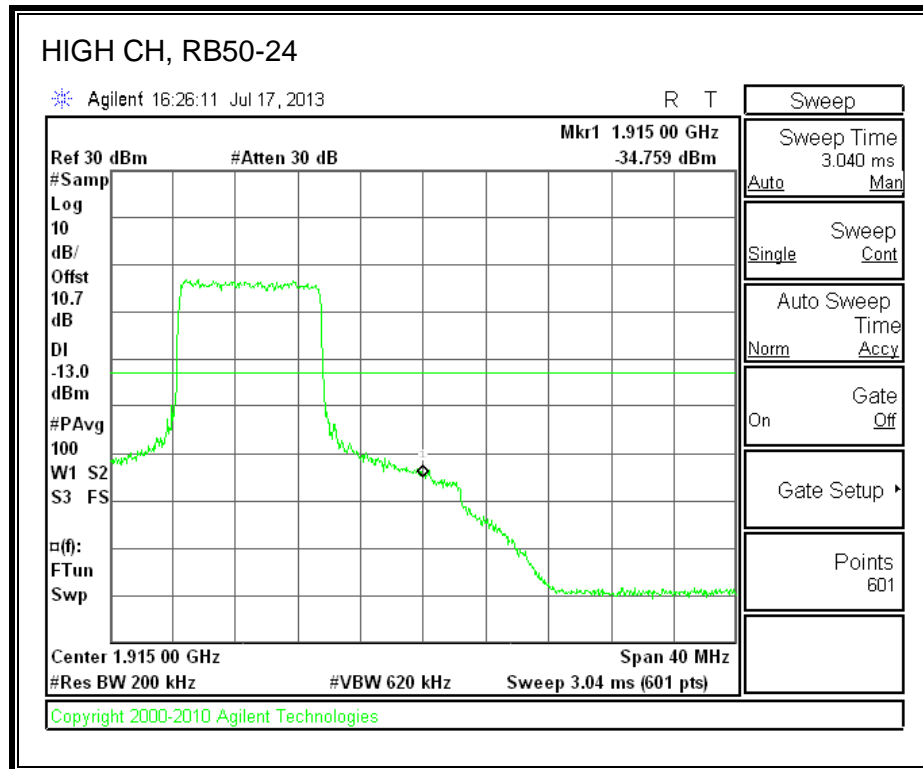
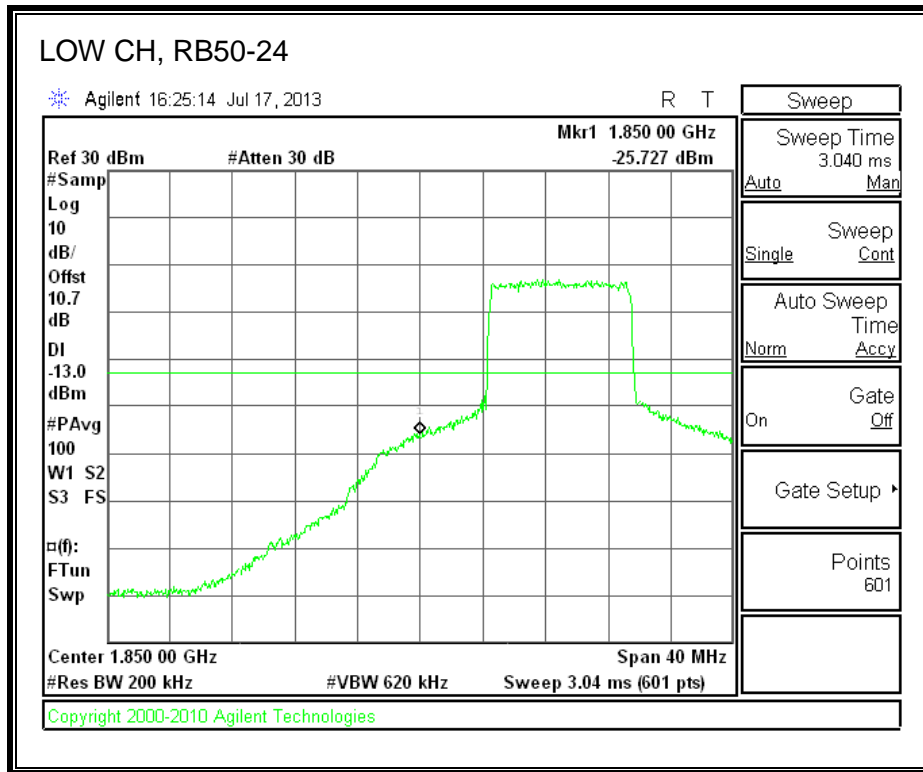


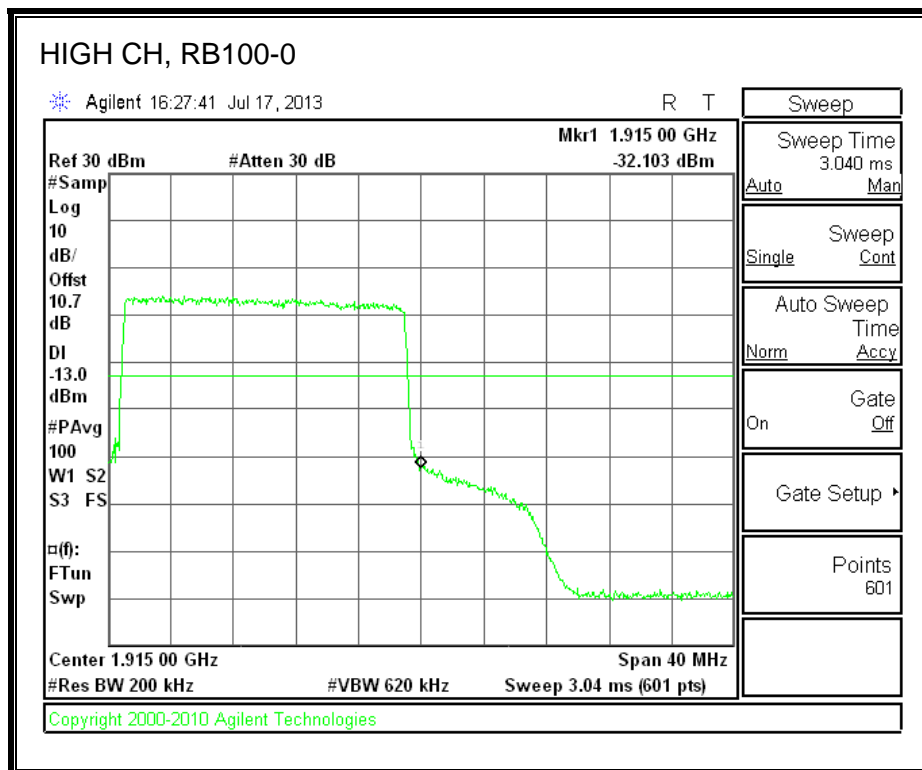
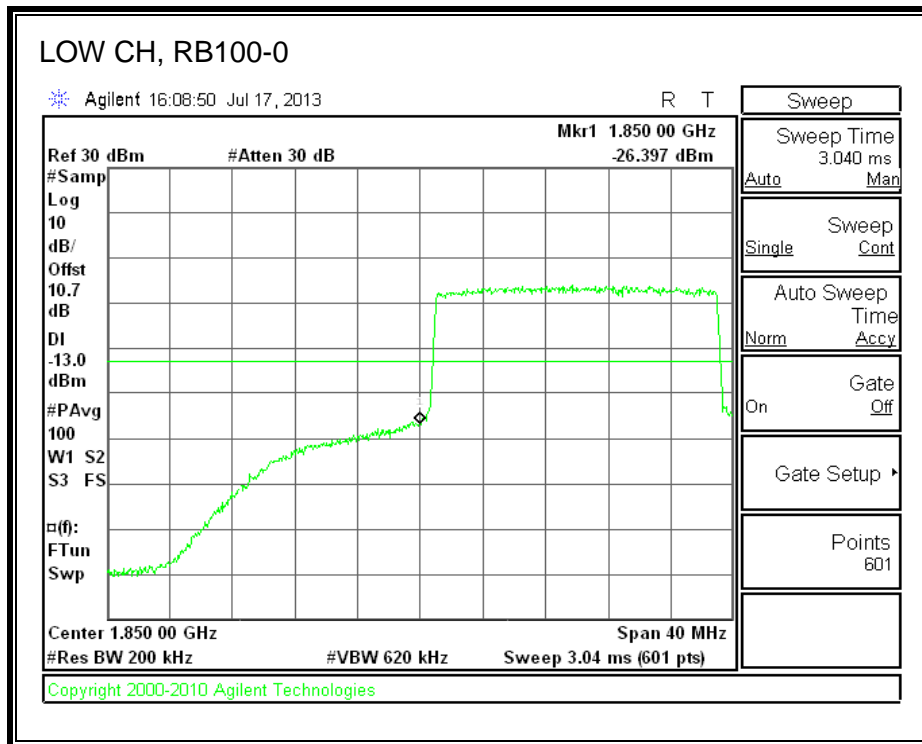


LTE QPSK Band 25 (20.0 MHz BAND WIDTH)

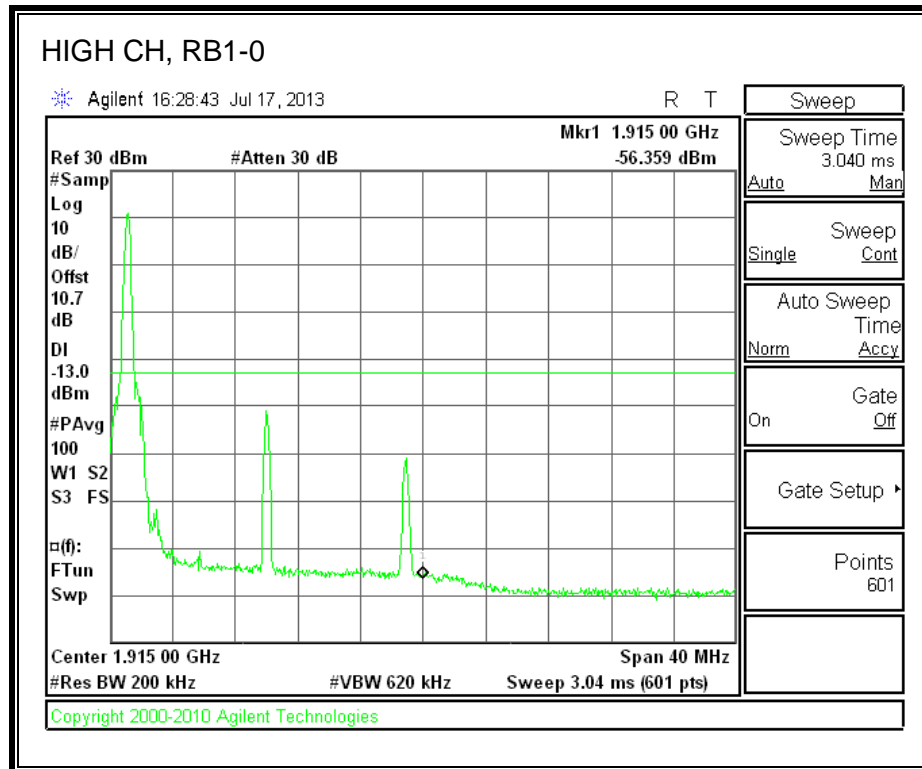
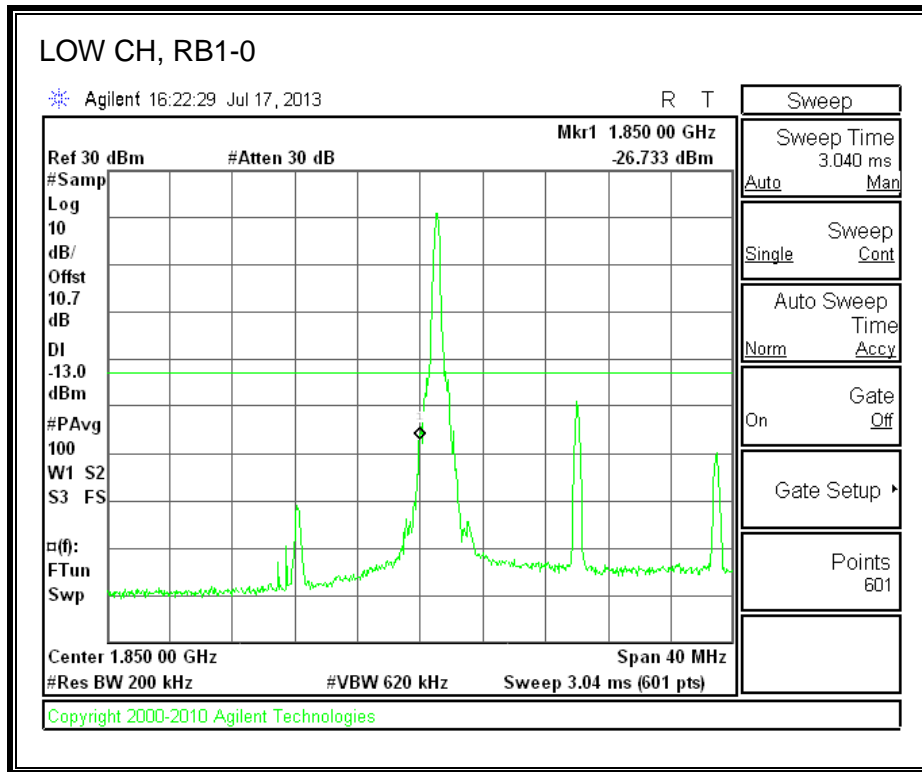


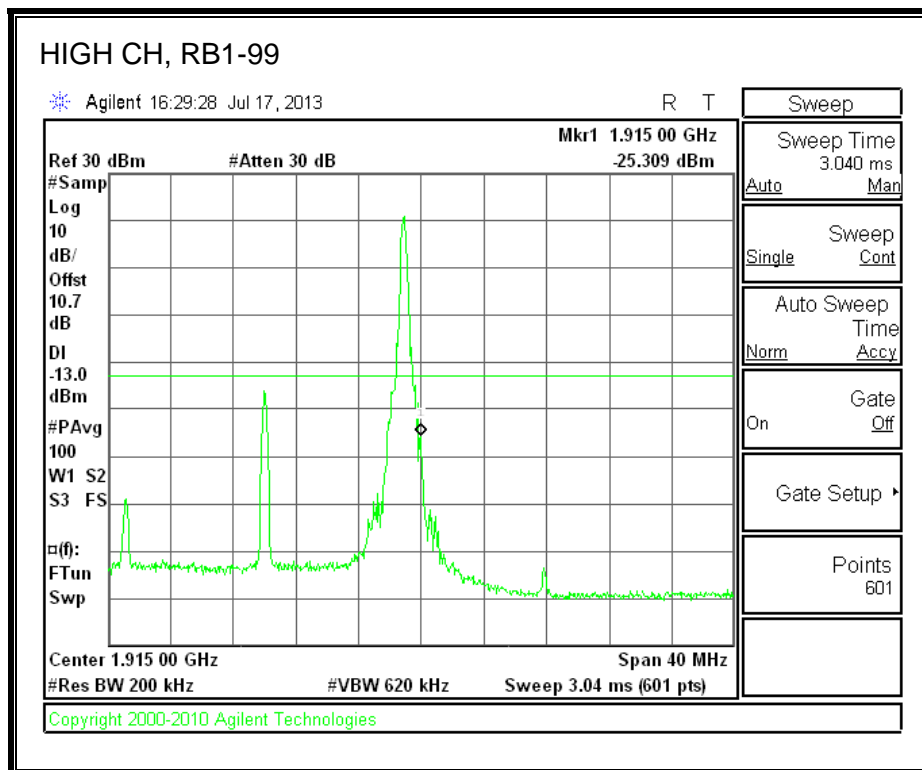
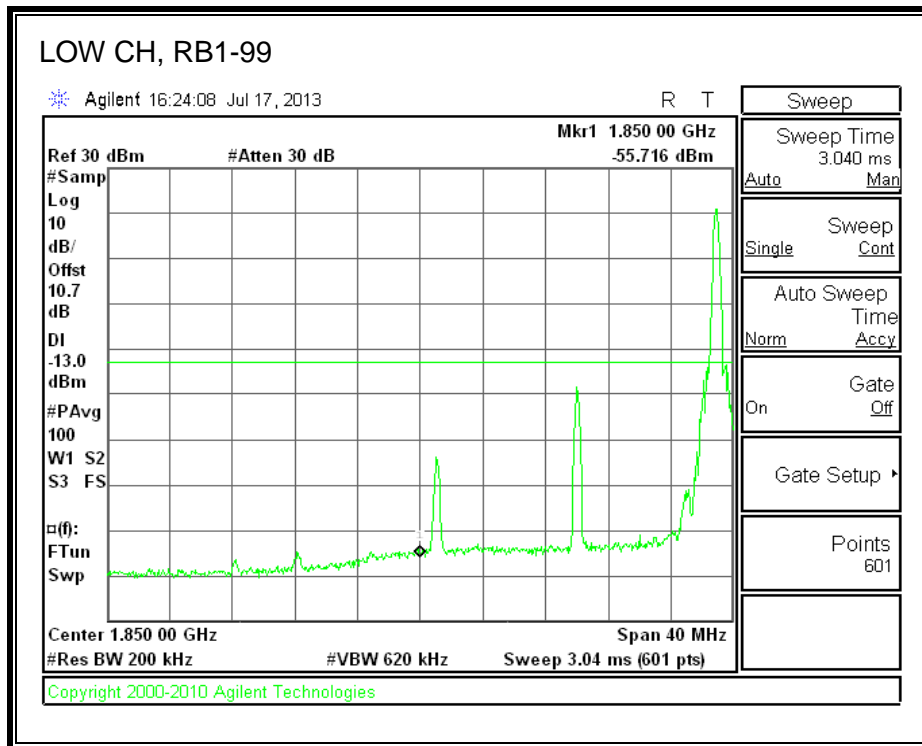


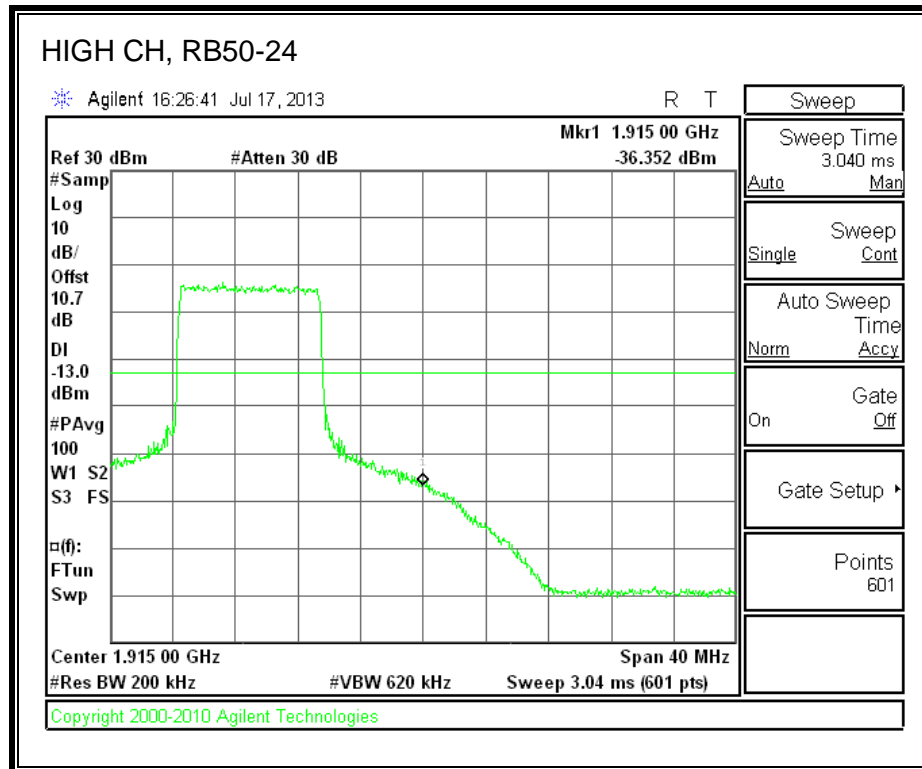
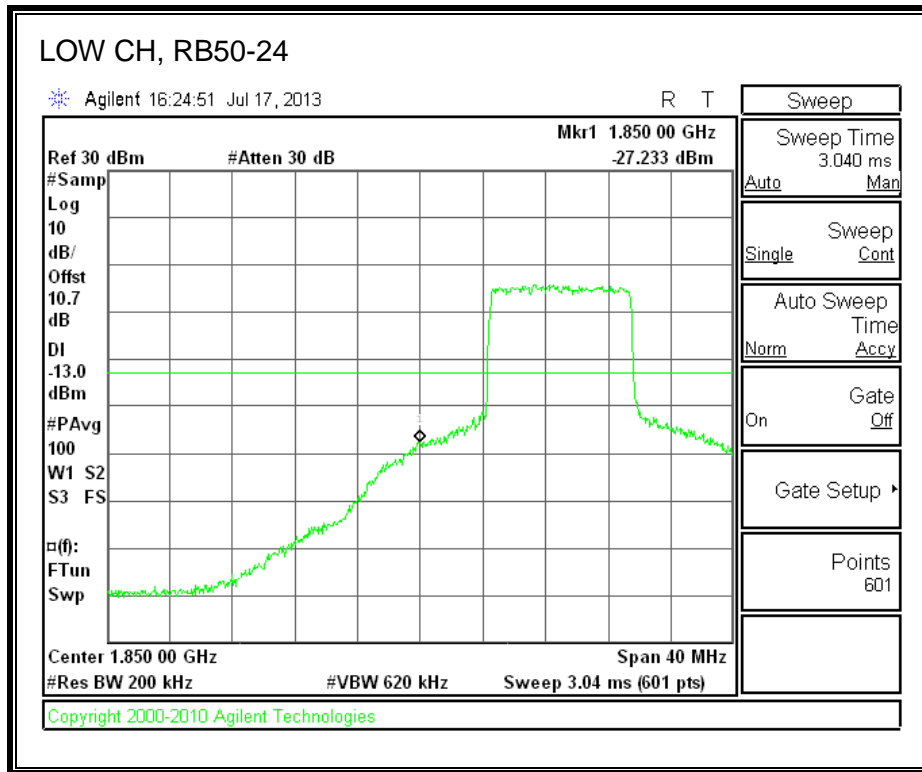


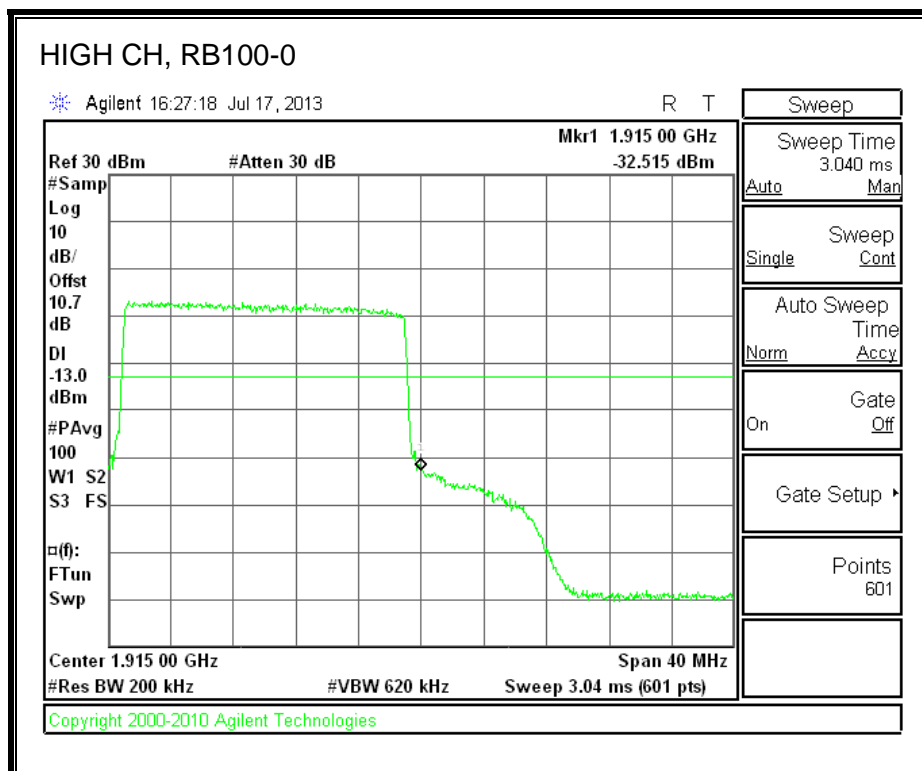
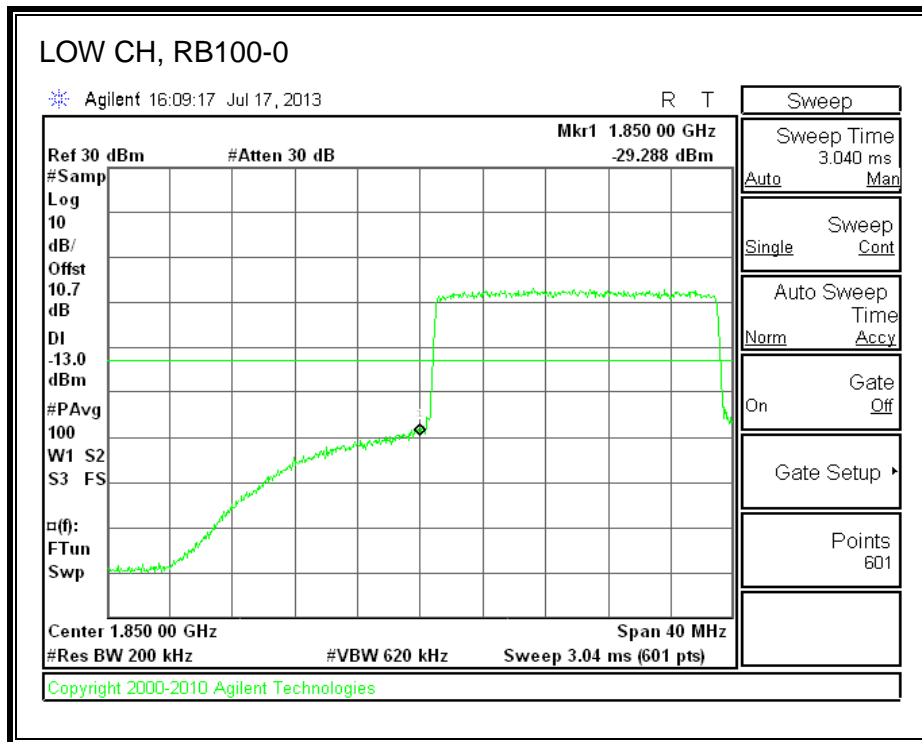


LTE 16QAM Band 25 (20.0 MHz BAND WIDTH)



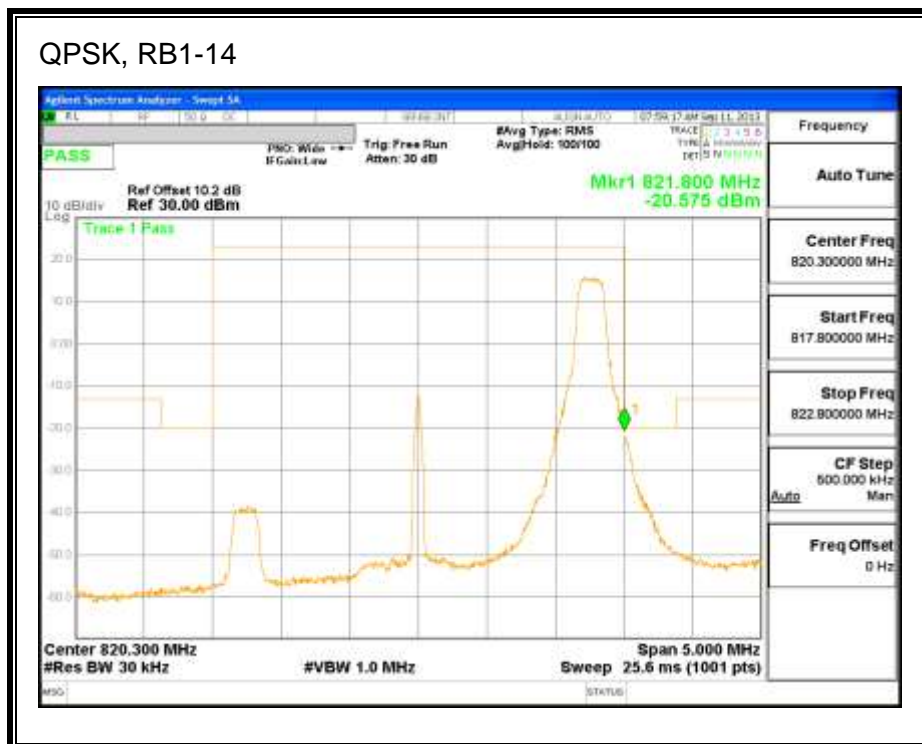
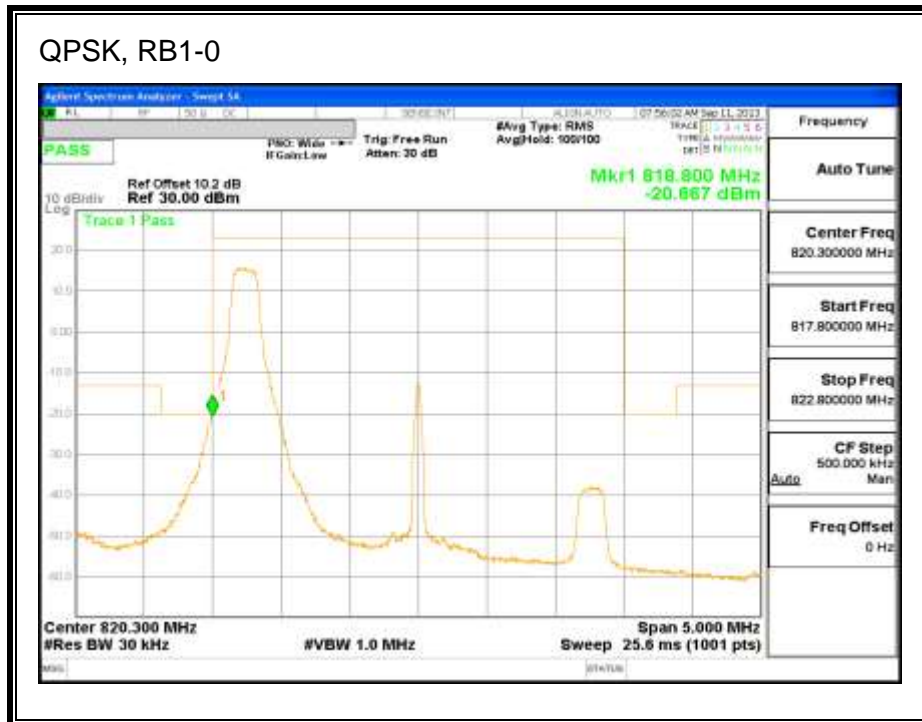


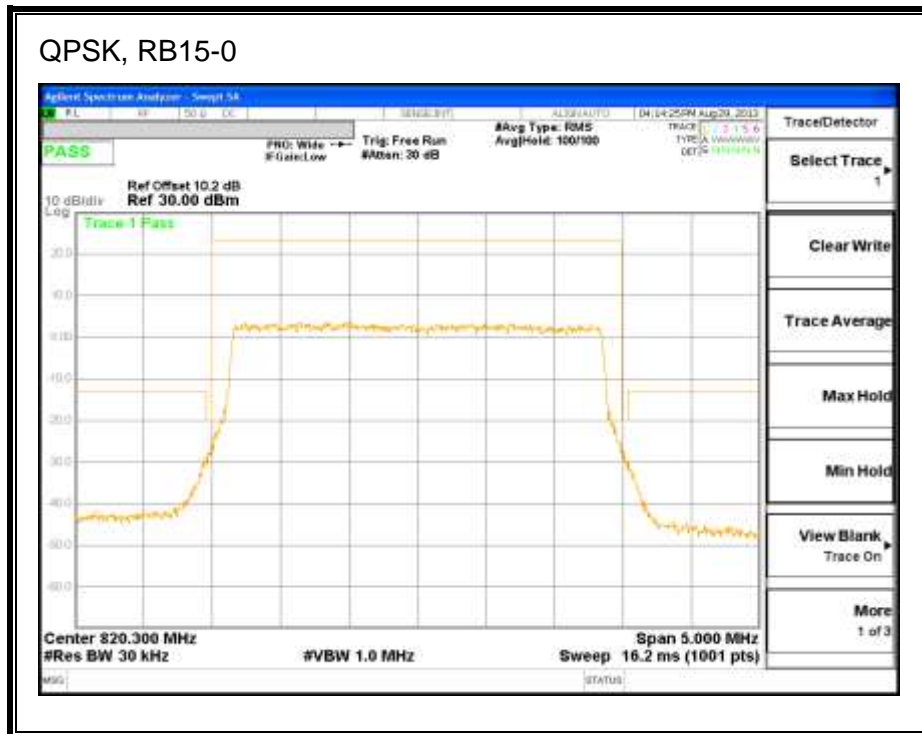
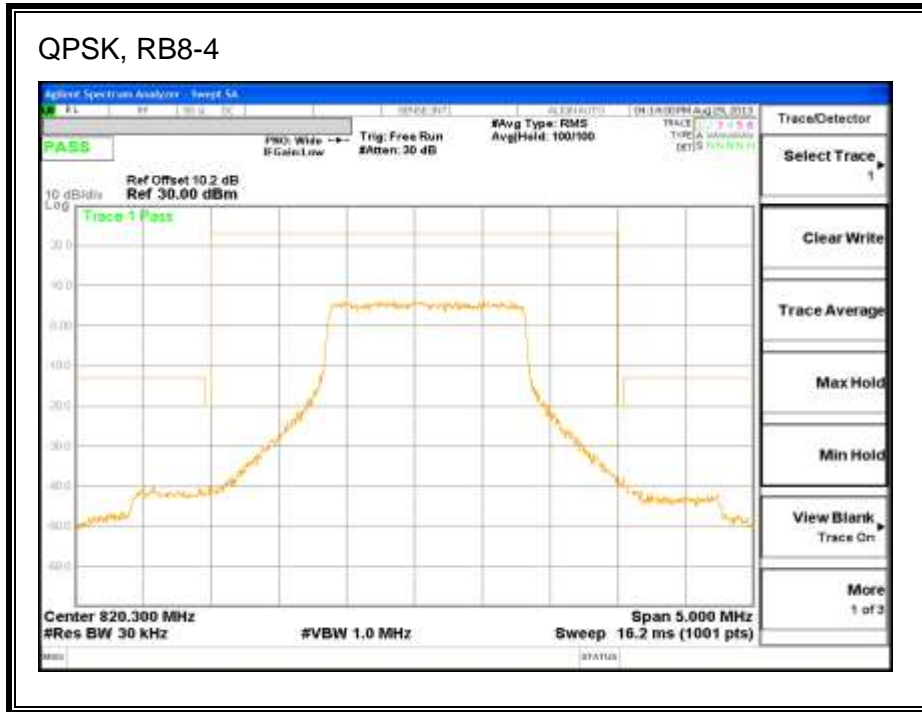




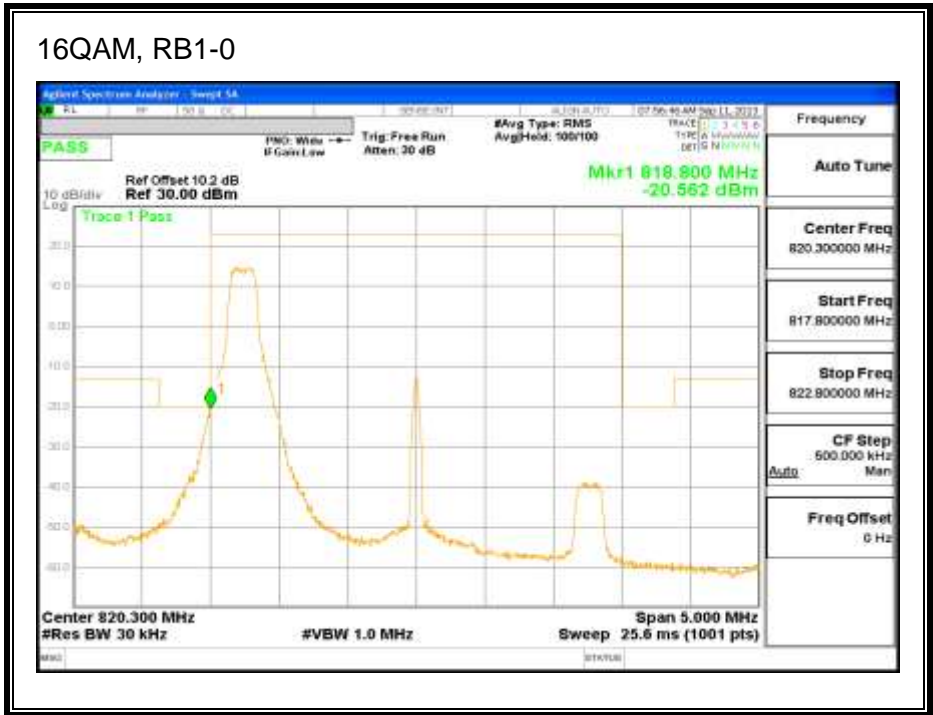
8.2.7. LTE BAND 26 PART 90 EMISSION MASK

820.3MHz AT 3.0MHz BW

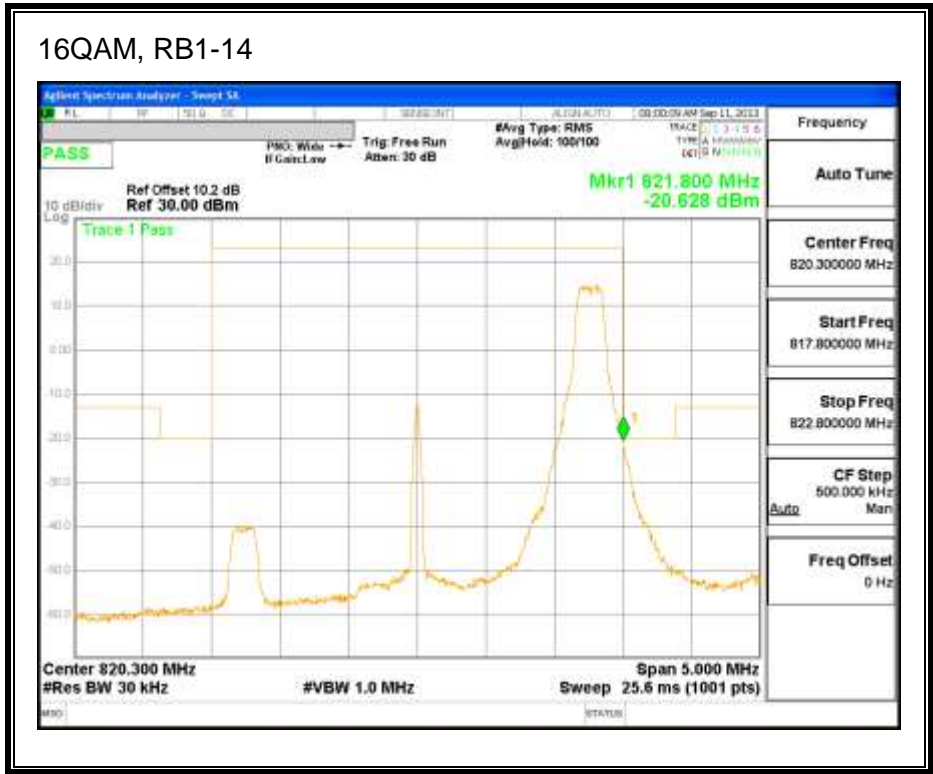


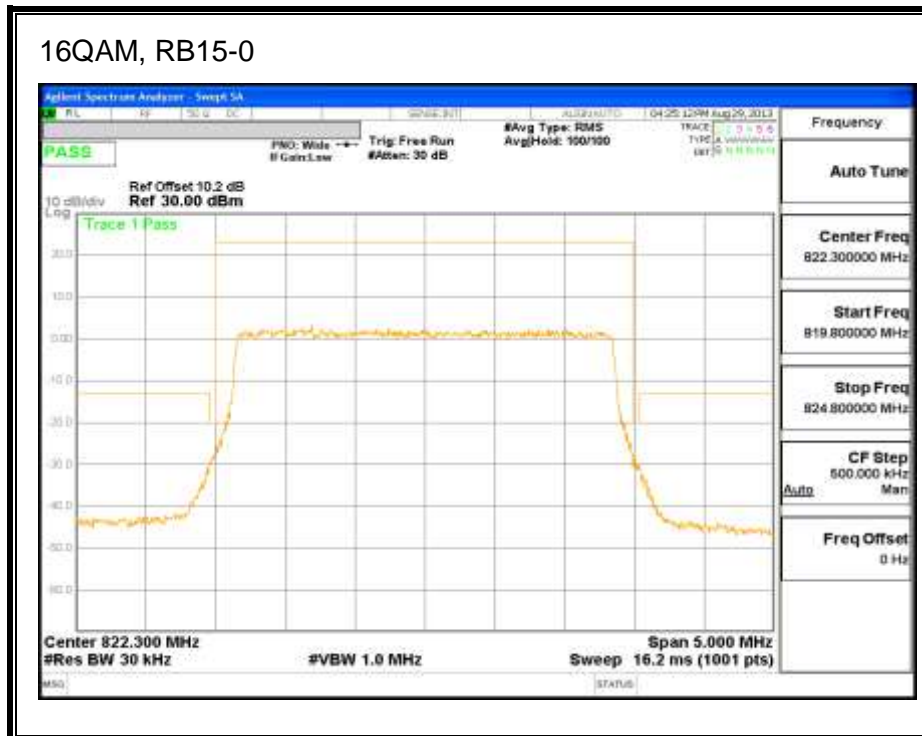
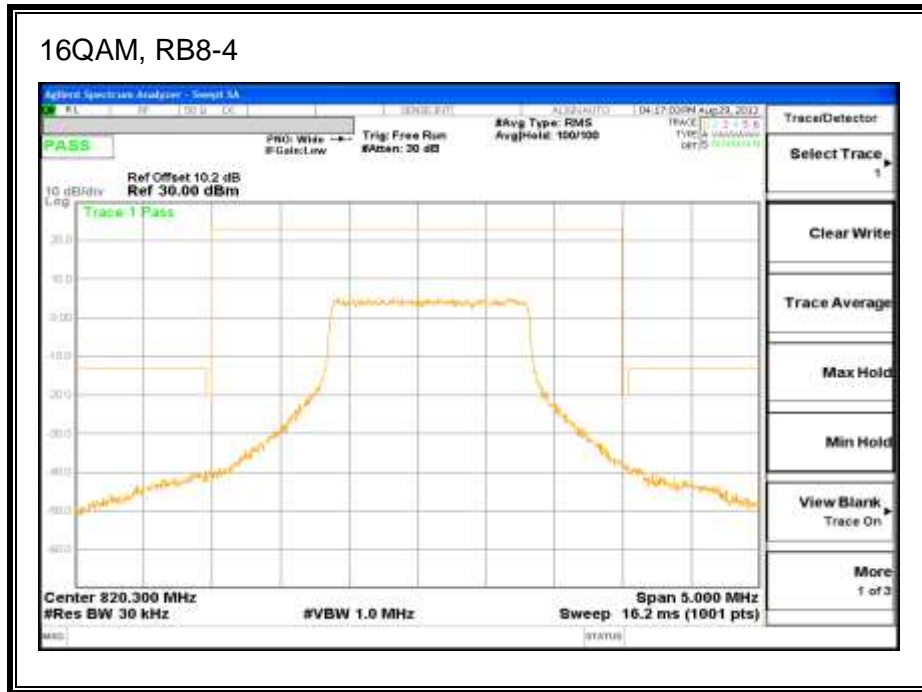


16QAM, RB1-0

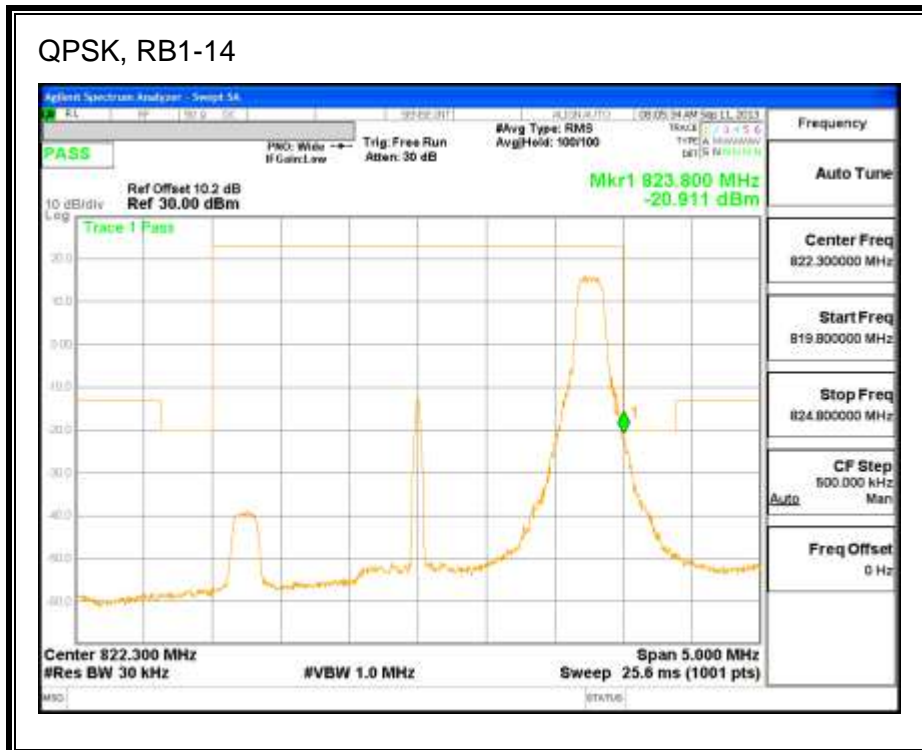
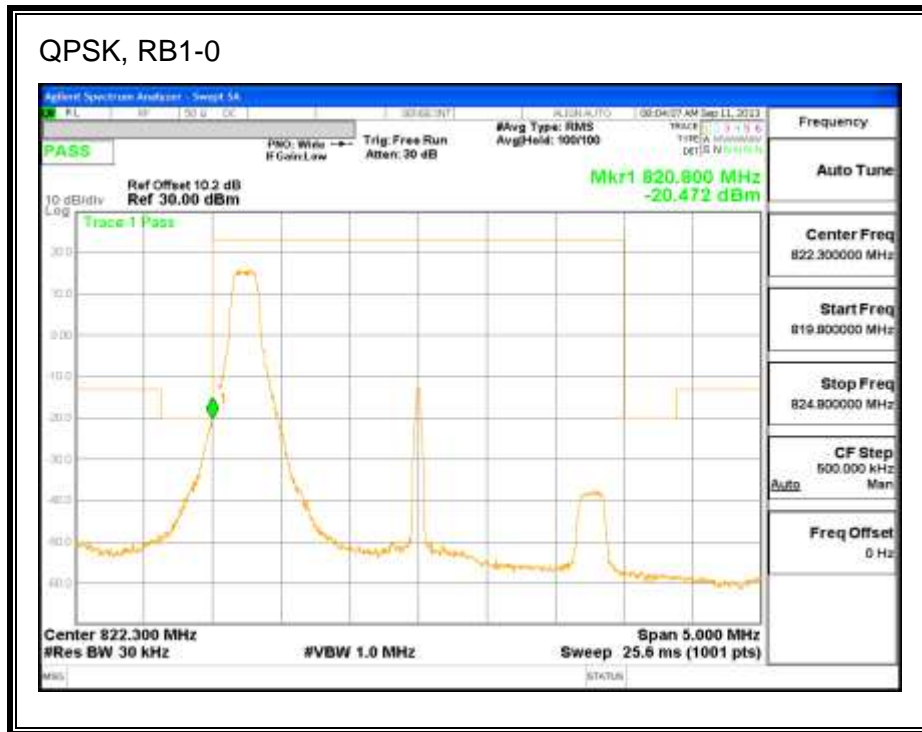


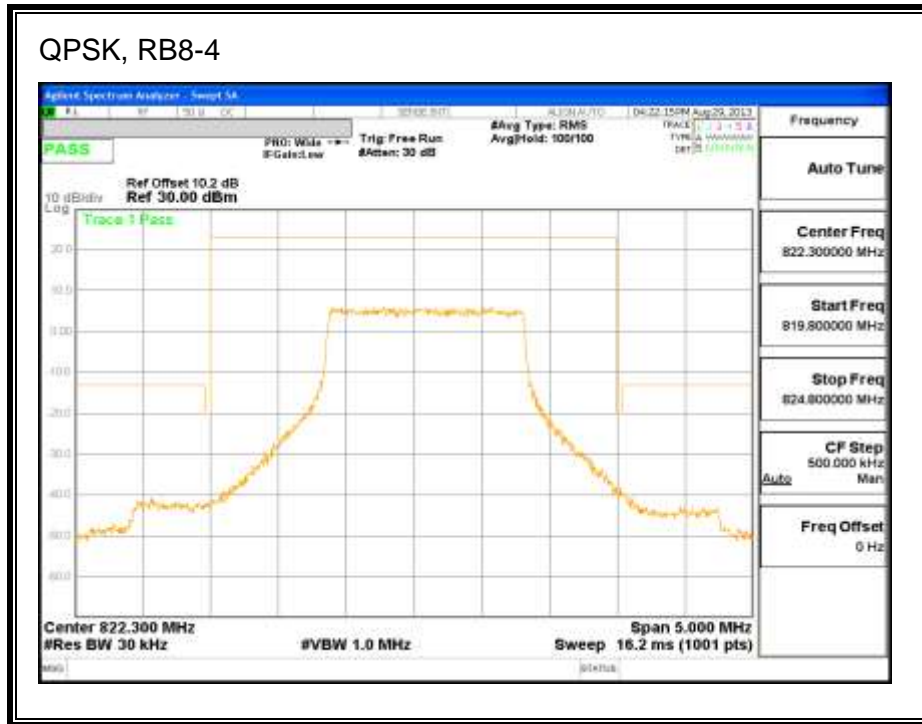
16QAM, RB1-14

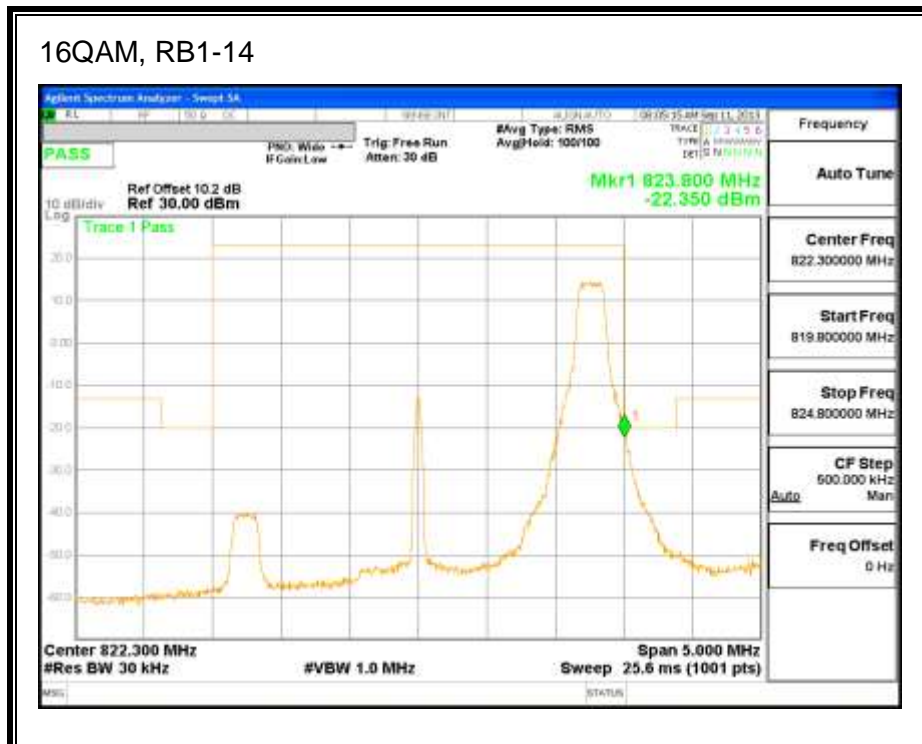
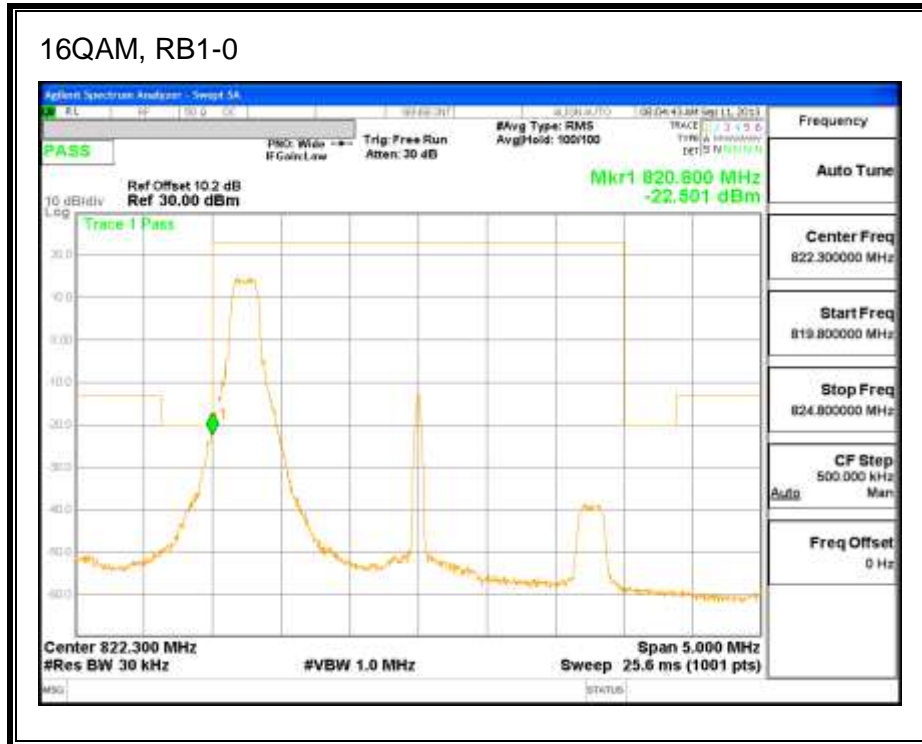




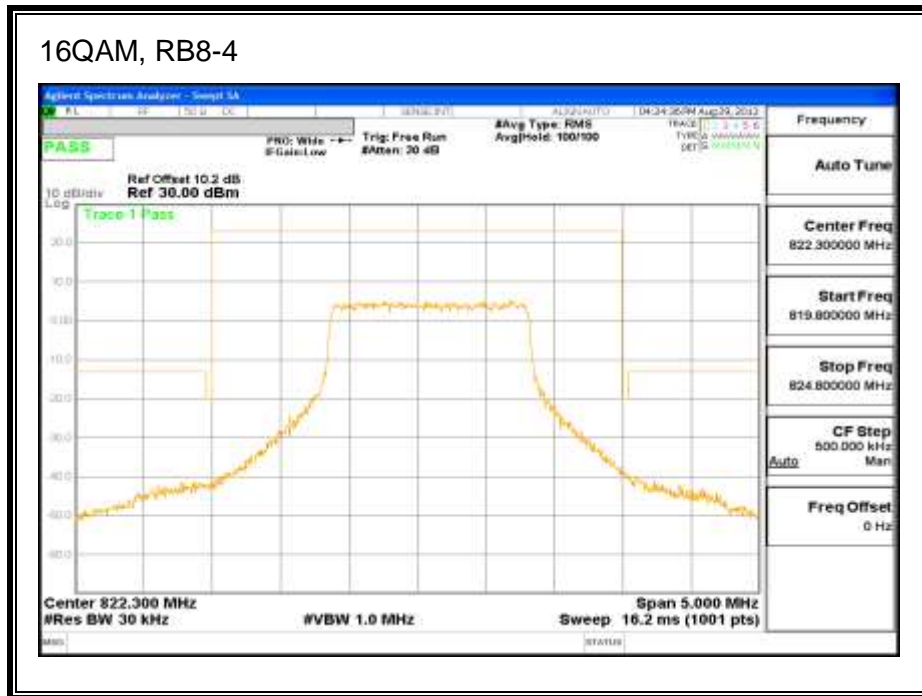
822.3MHz AT 3.0MHz BW



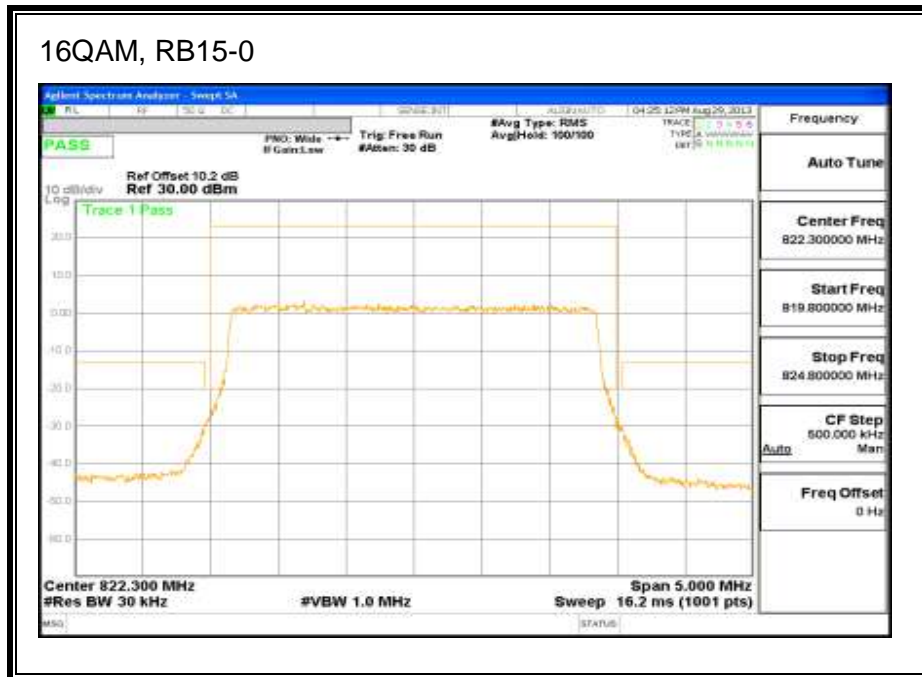




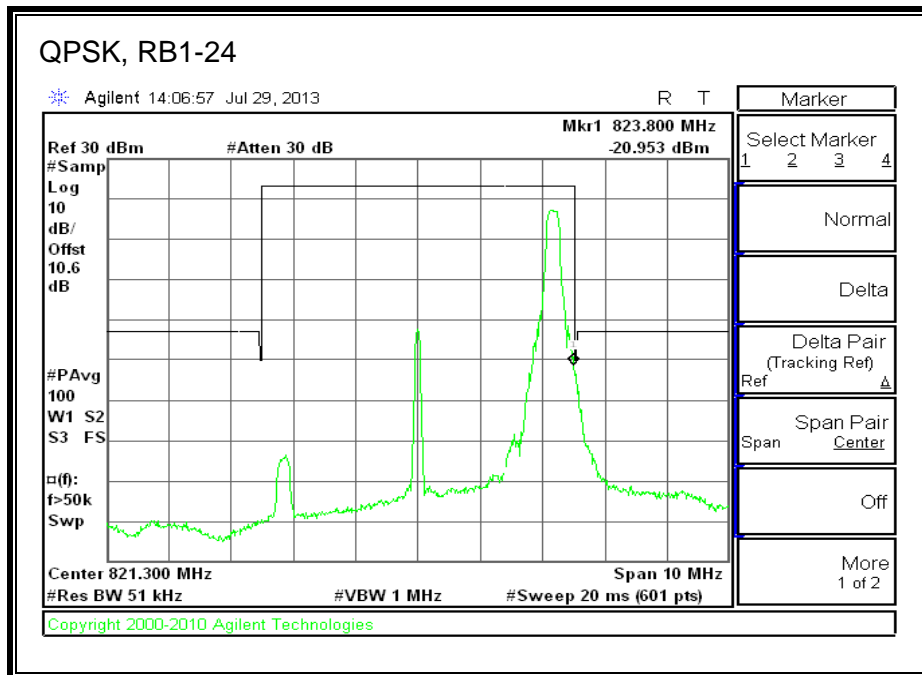
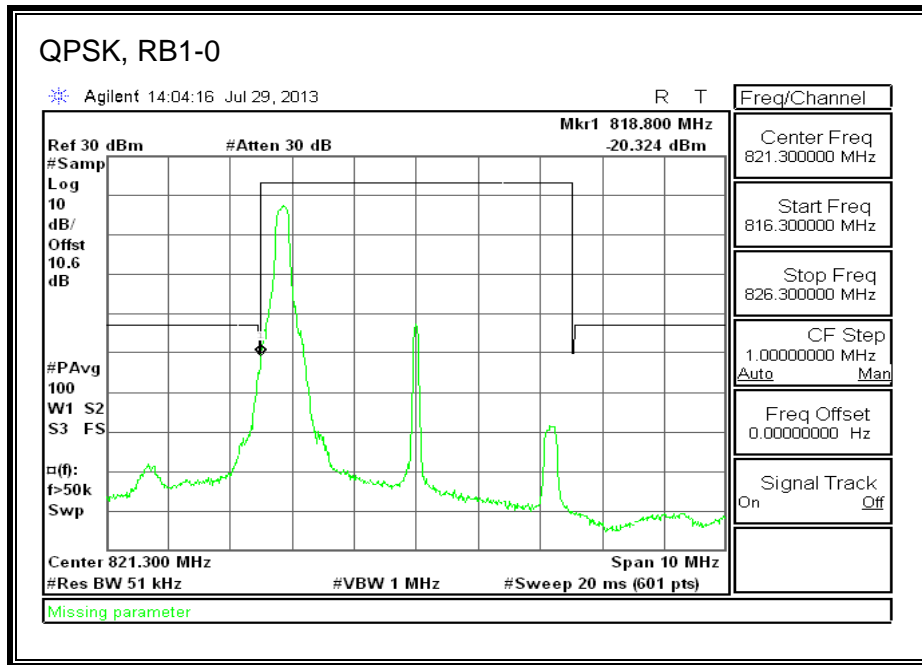
16QAM, RB8-4

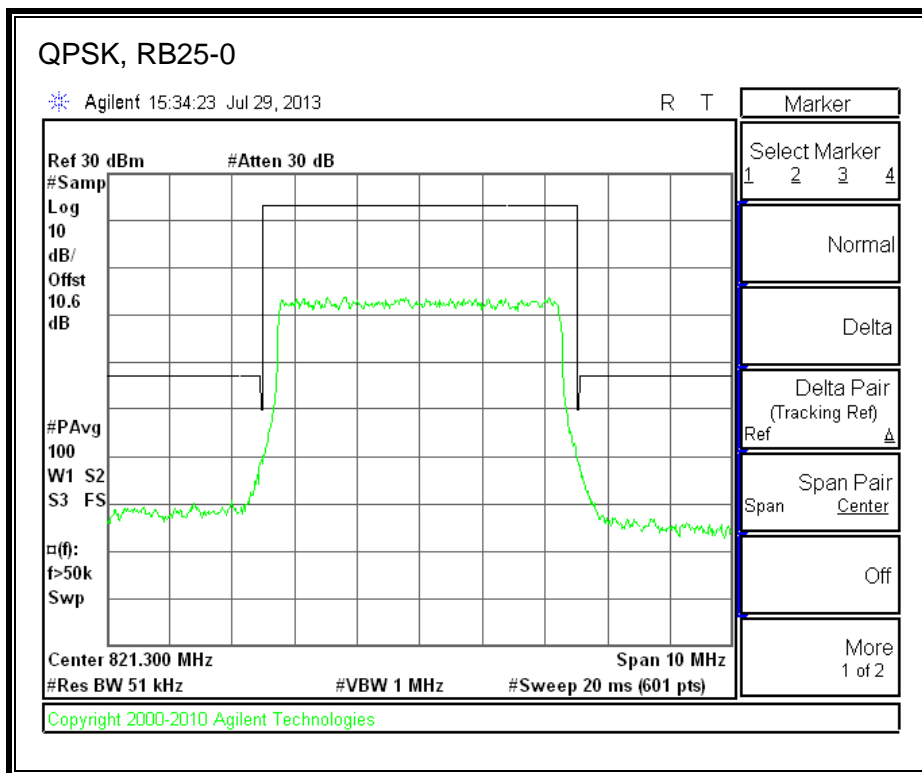
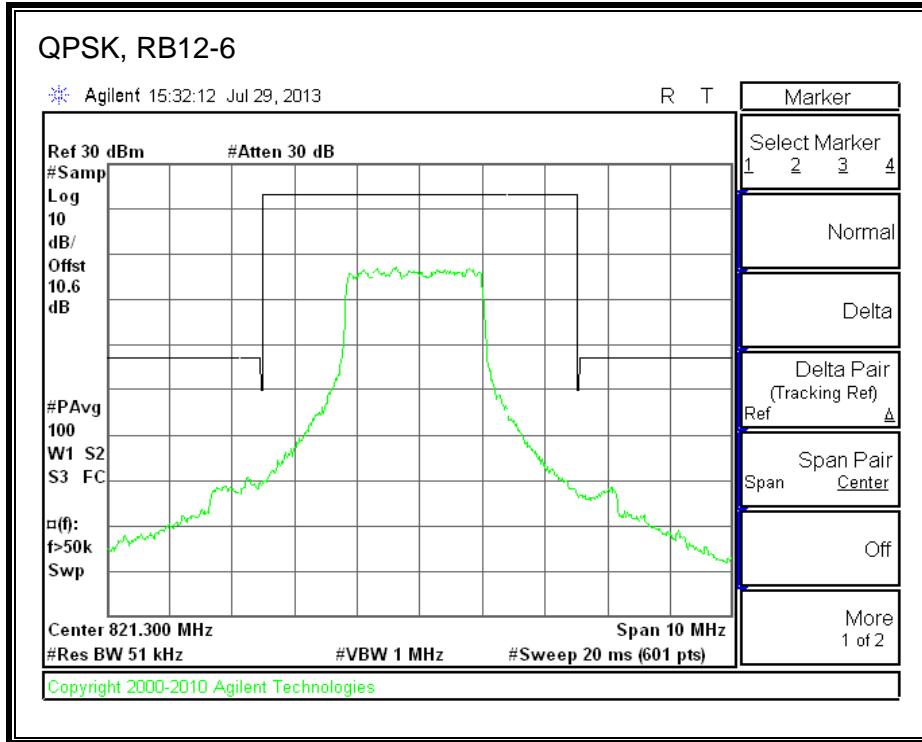


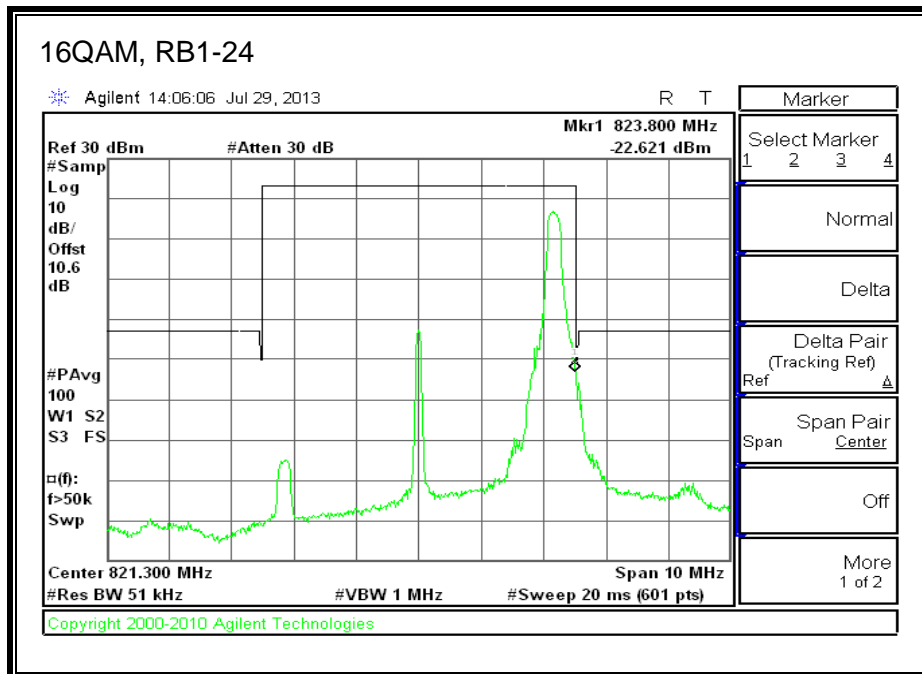
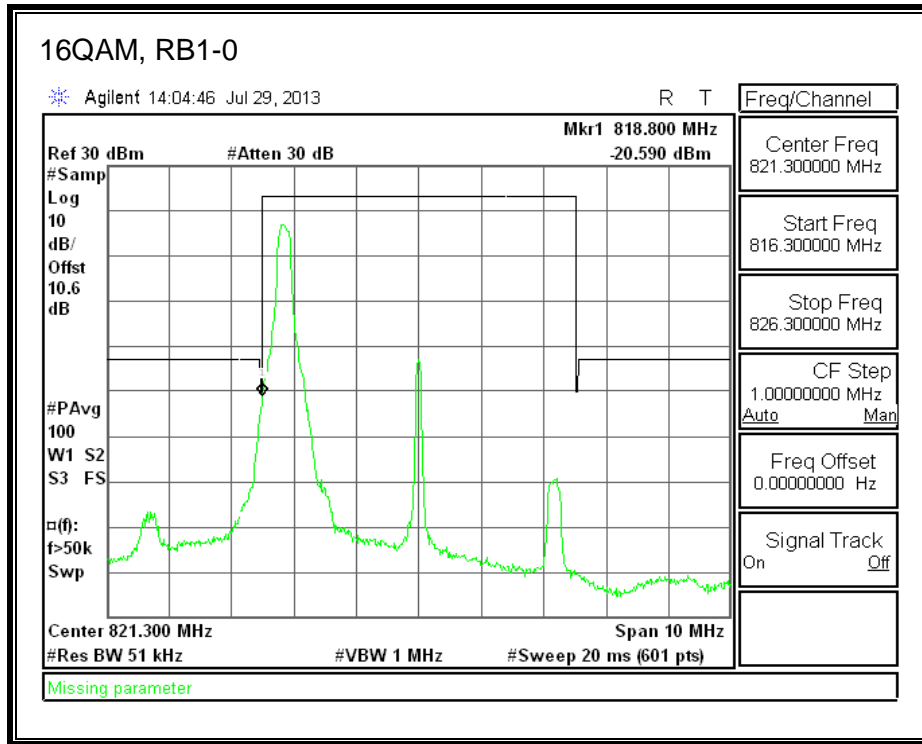
16QAM, RB15-0

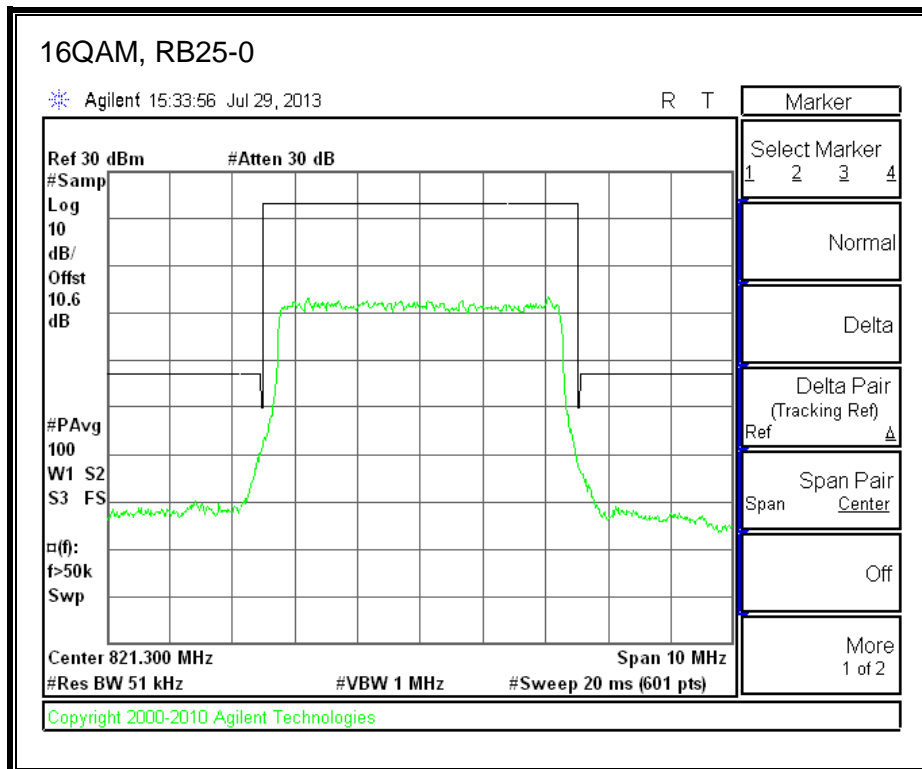
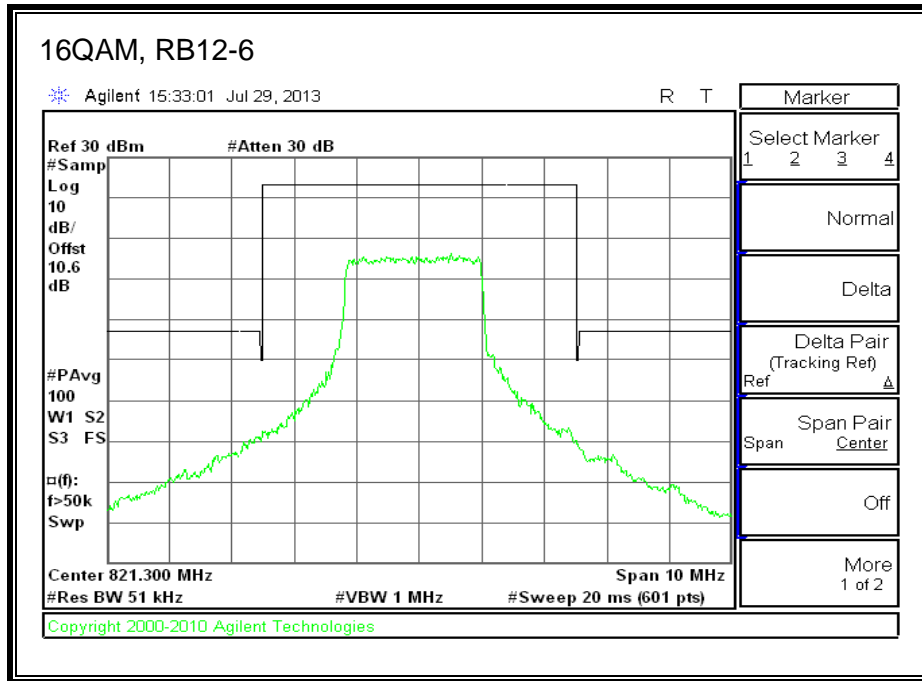


821.3MHz at 5.0MHz BW









8.3. OUT OF BAND EMISSIONS

RULE PART(S)

FCC: §2.1051, §22.901, §22.917, §24.238 and §27.53
IC: RSS-132, 4.5; RSS-133, 6.5 and RSS-139, 6.5

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.

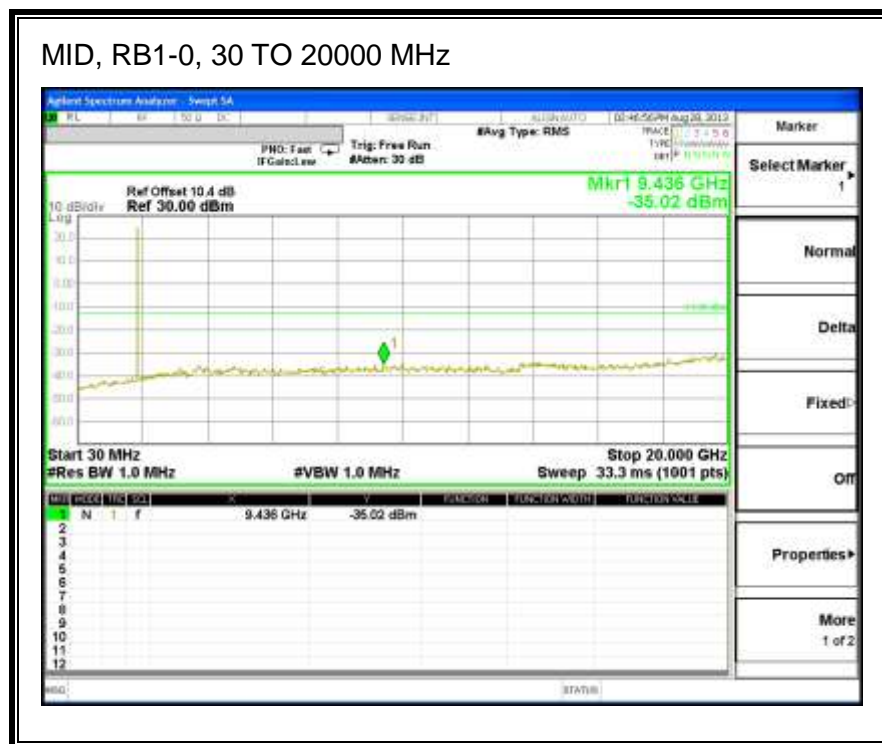
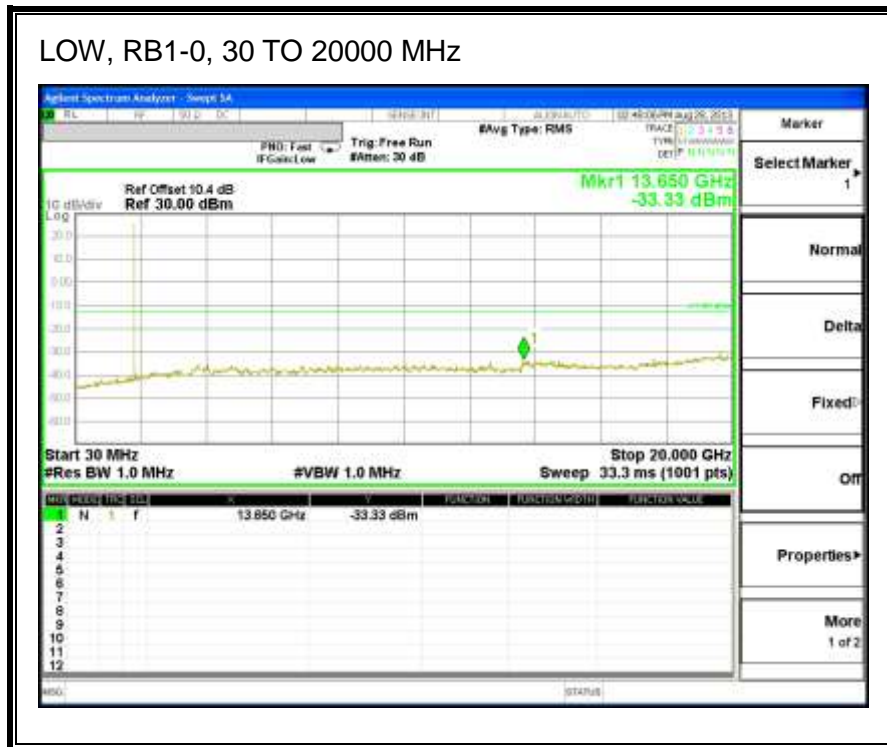
MODES TESTED

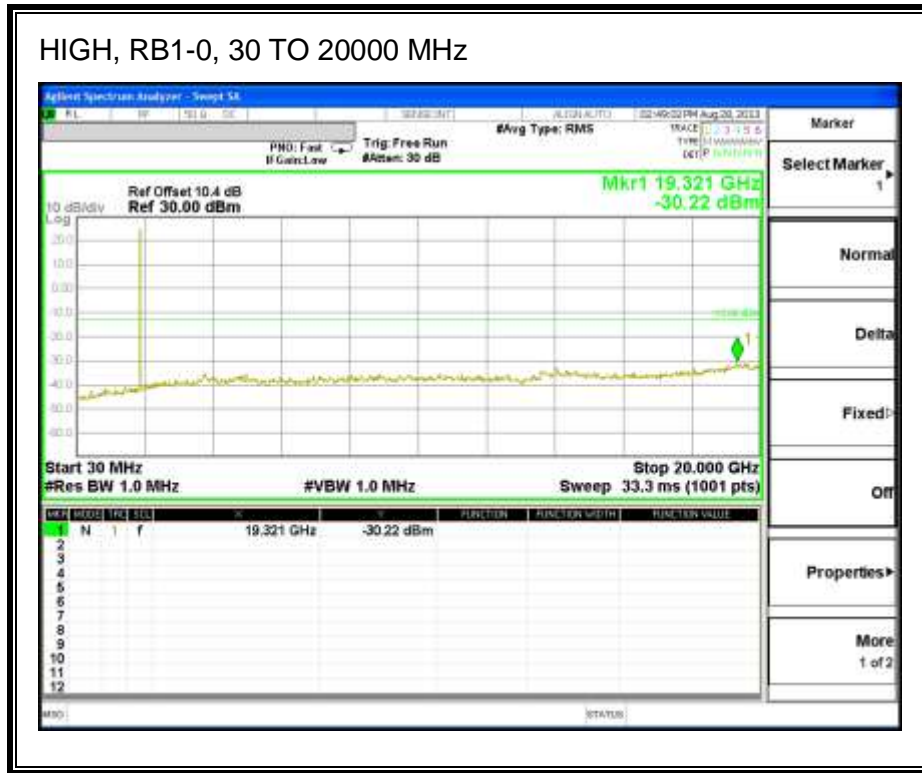
- Band 2
- Band 4
- Band 5
- Band 13
- Band 17
- Band 25
- Band 26

RESULTS

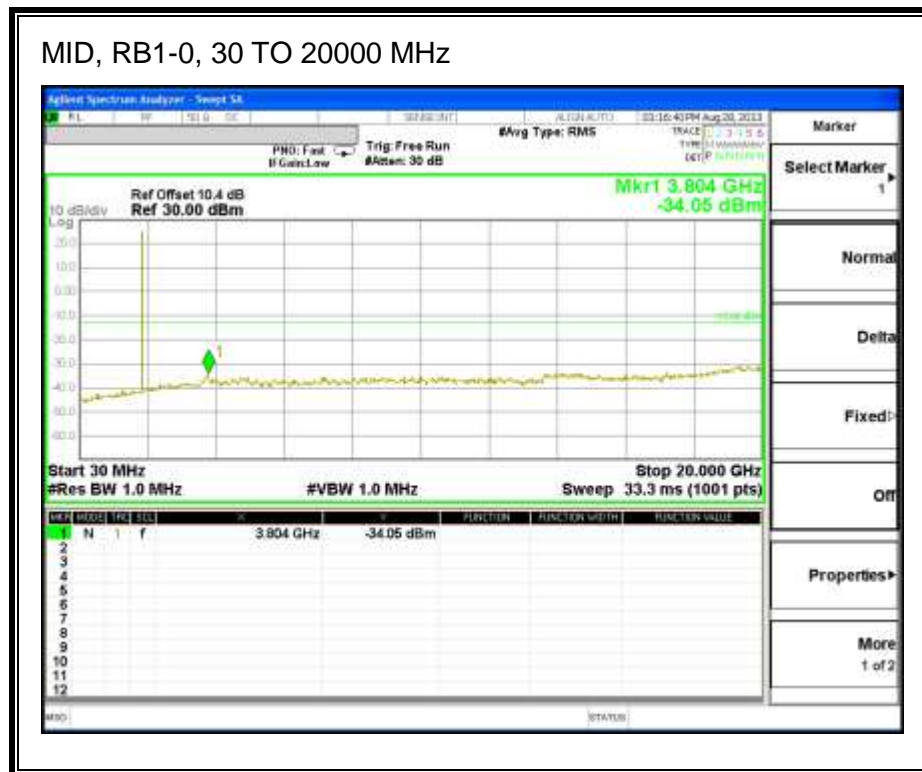
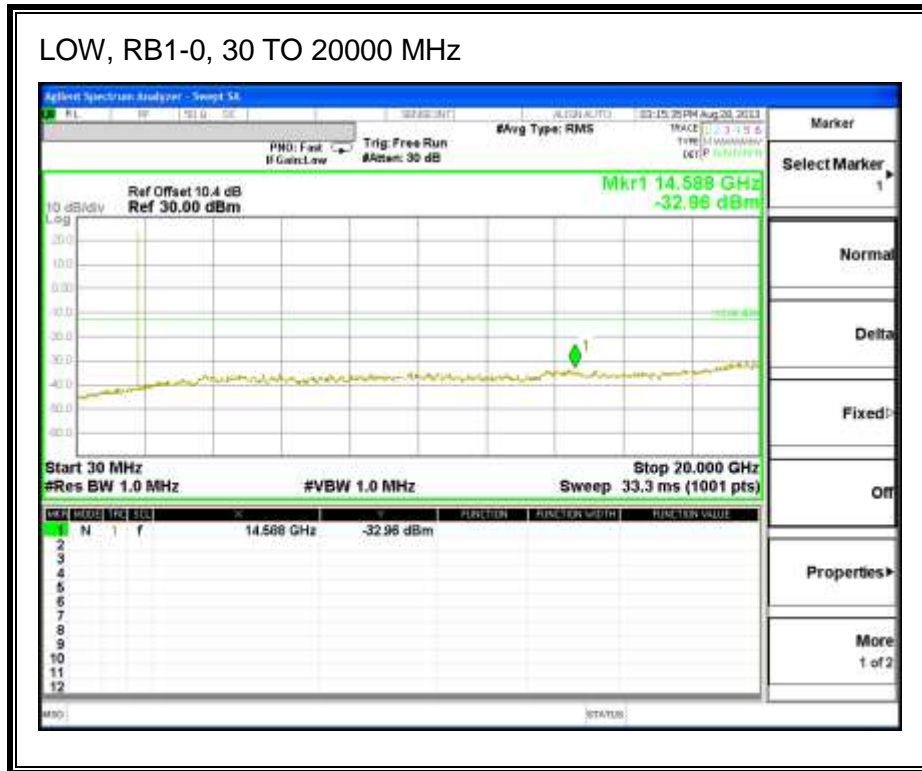
8.3.1. LTE BAND 2

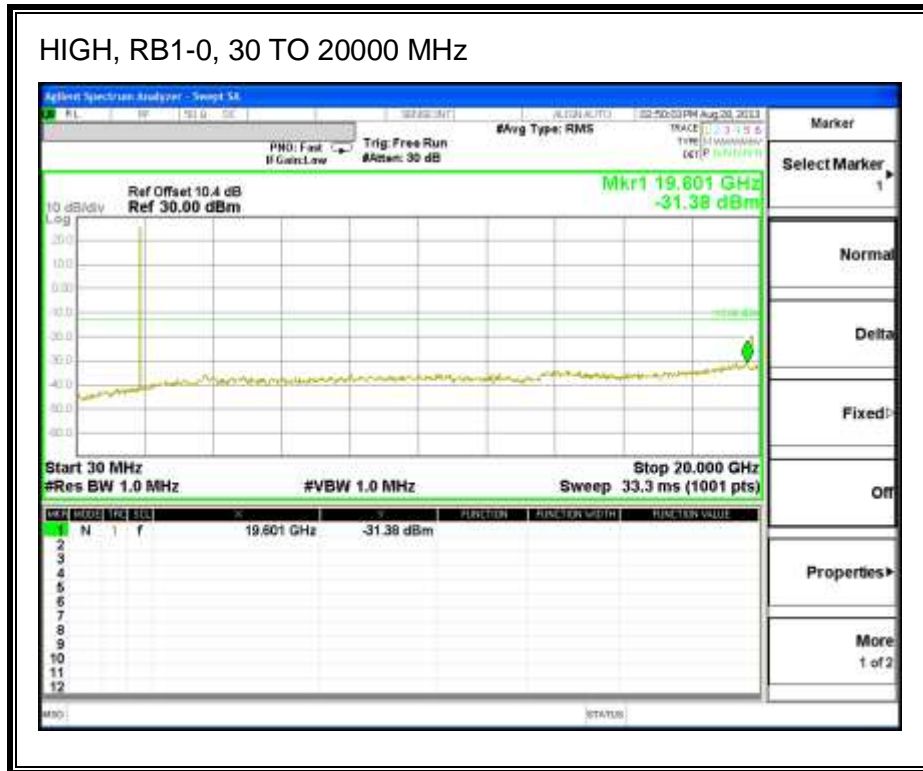
LTE QPSK, 1.4 MHz BAND WIDTH



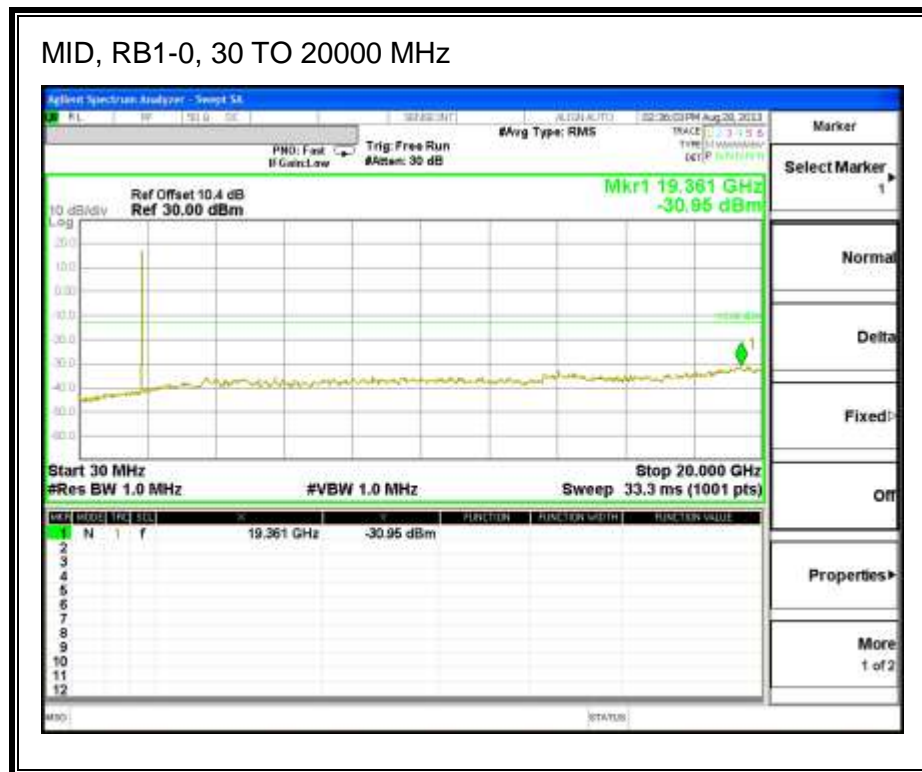
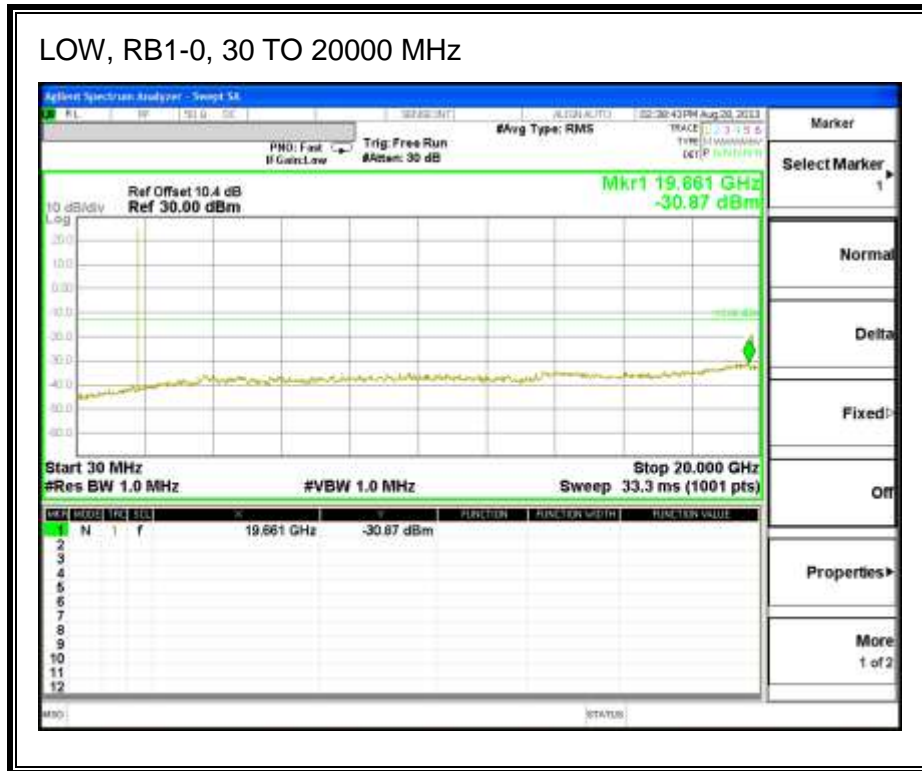


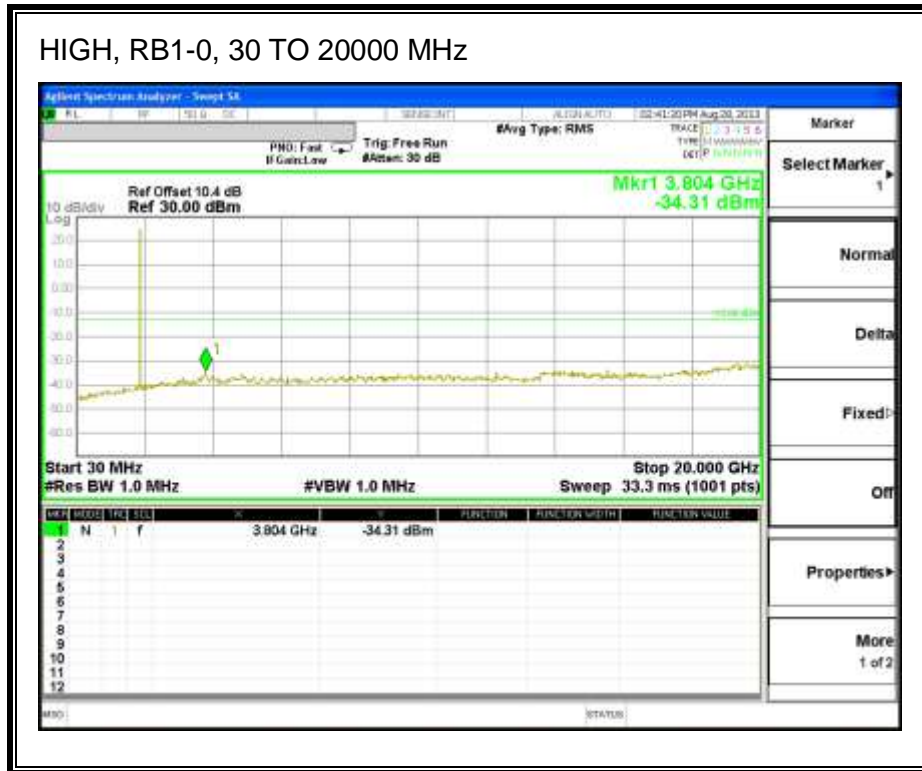
LTE 16QAM



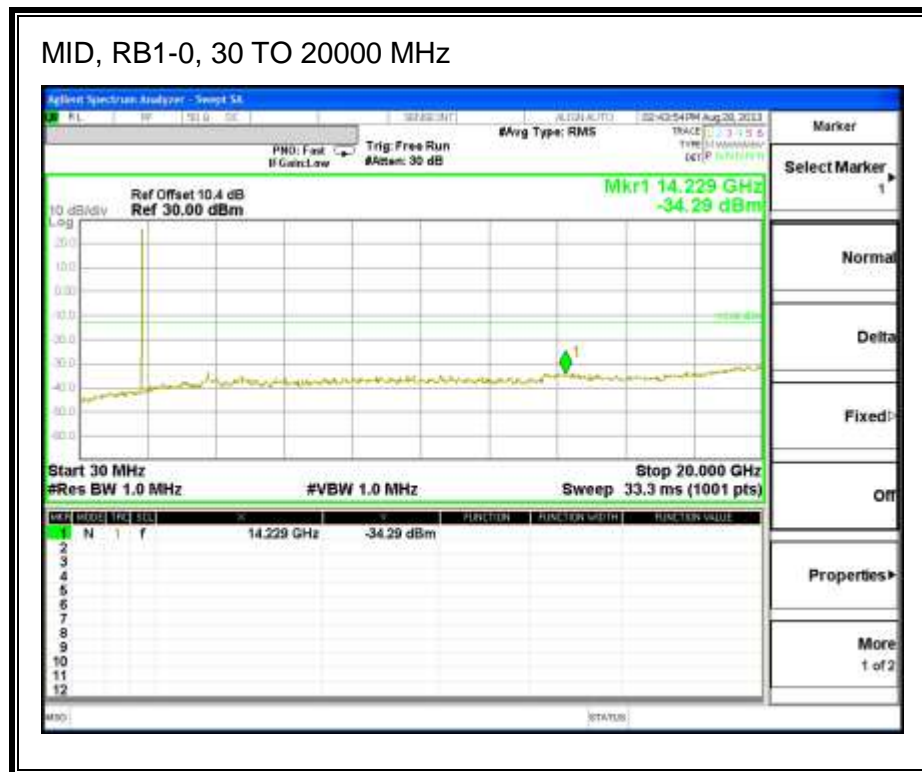
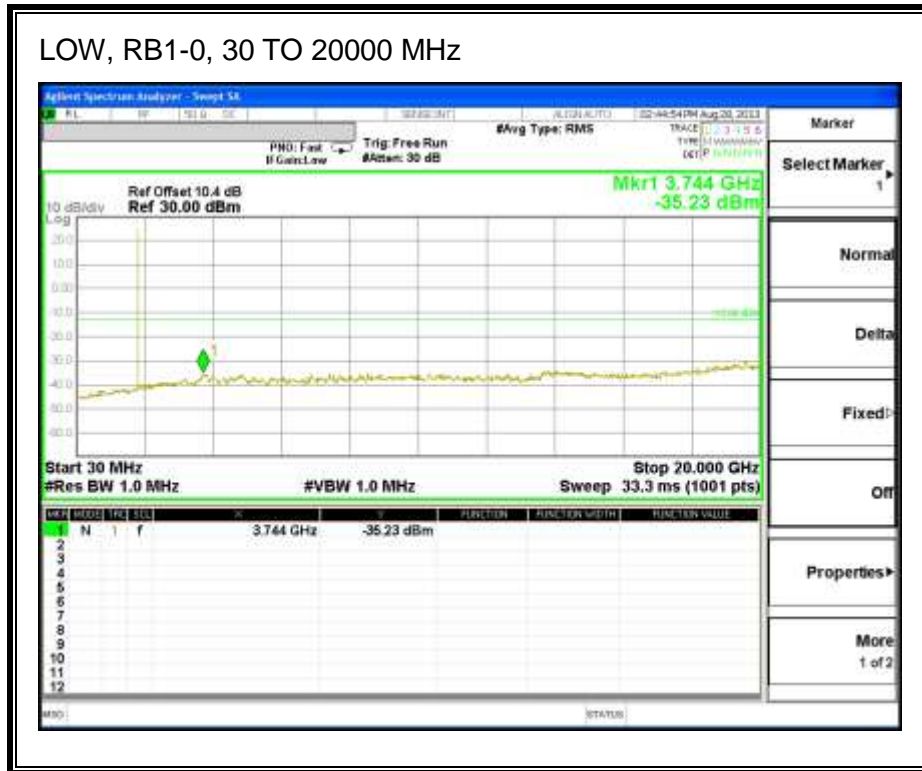


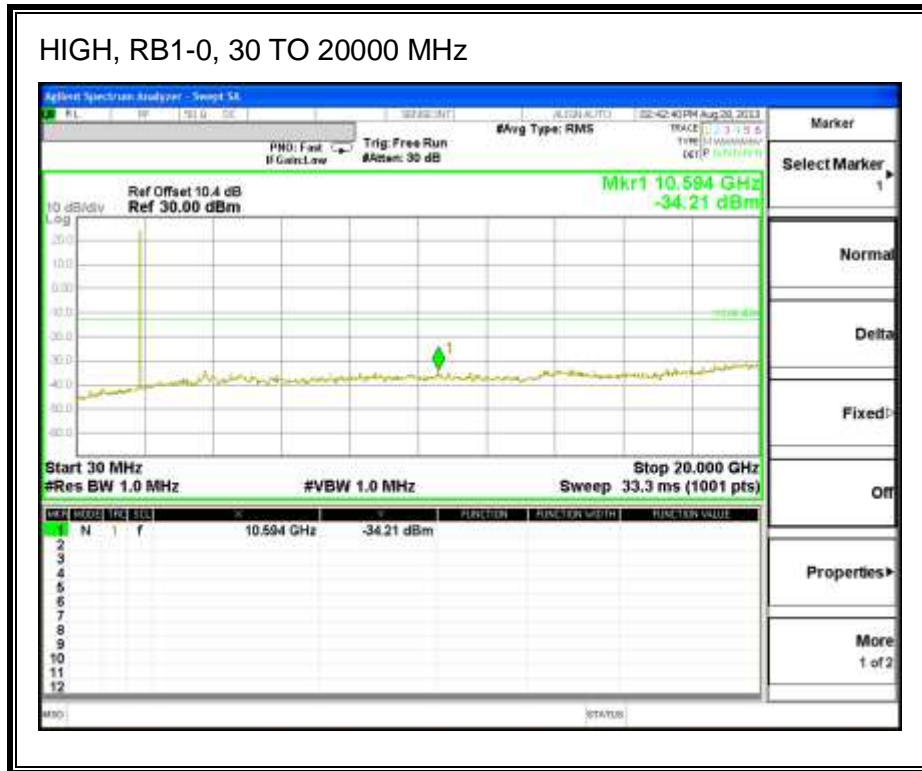
LTE QPSK, 3.0 MHz BAND WIDTH



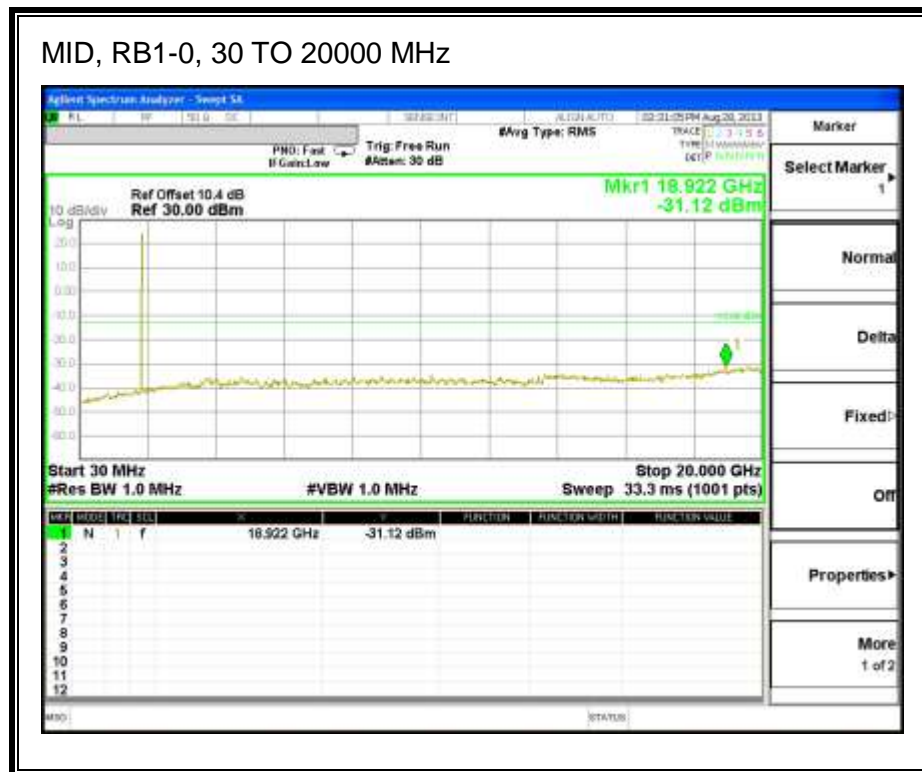
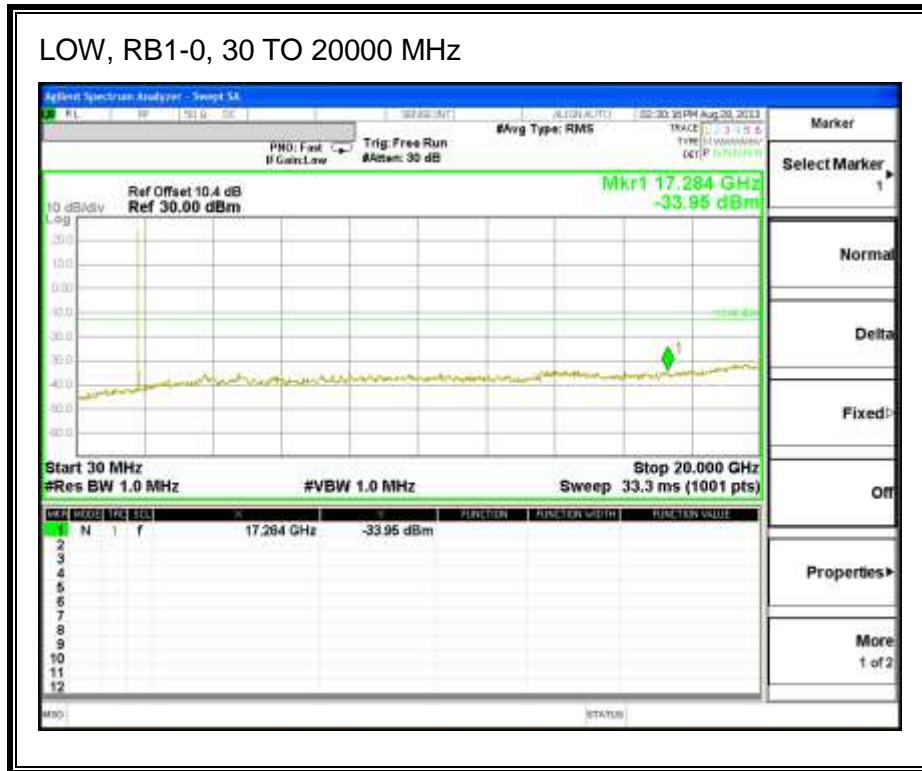


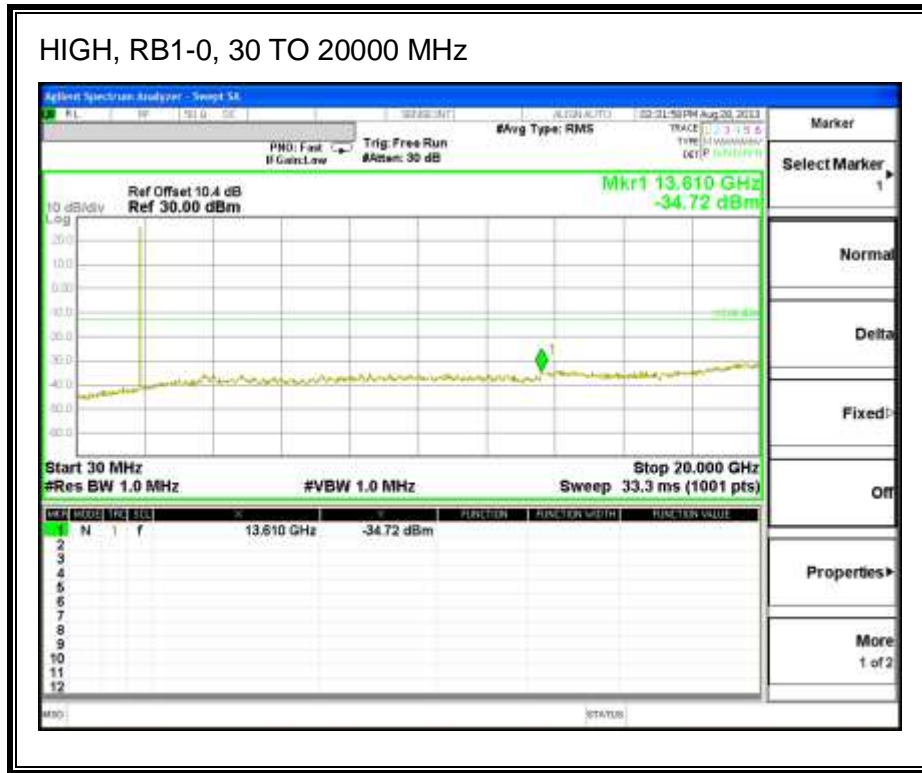
LTE 16QAM



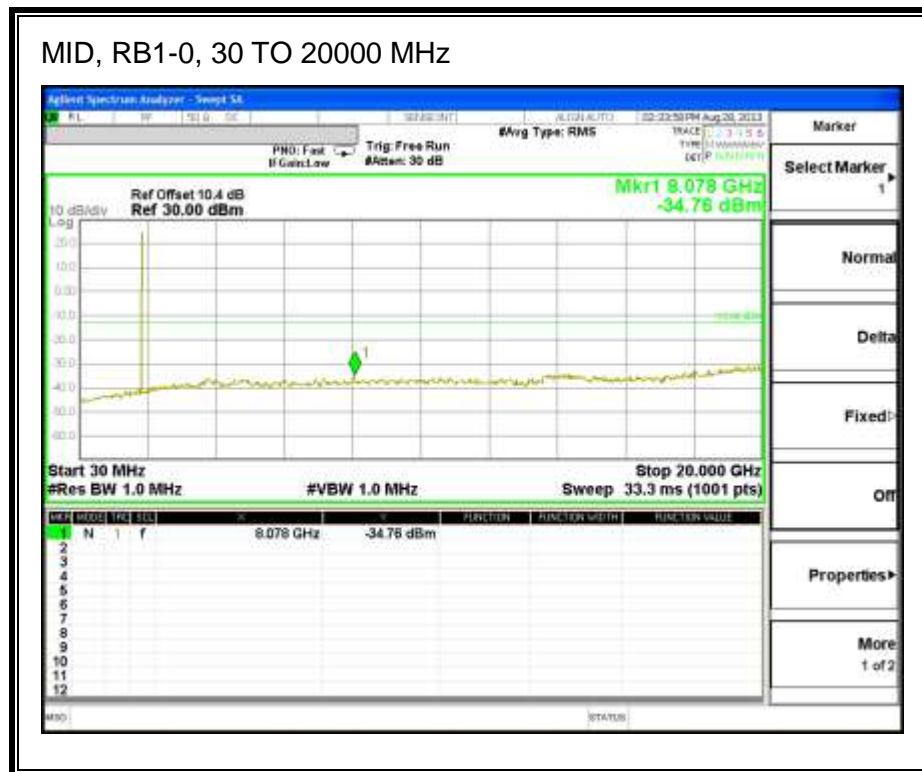
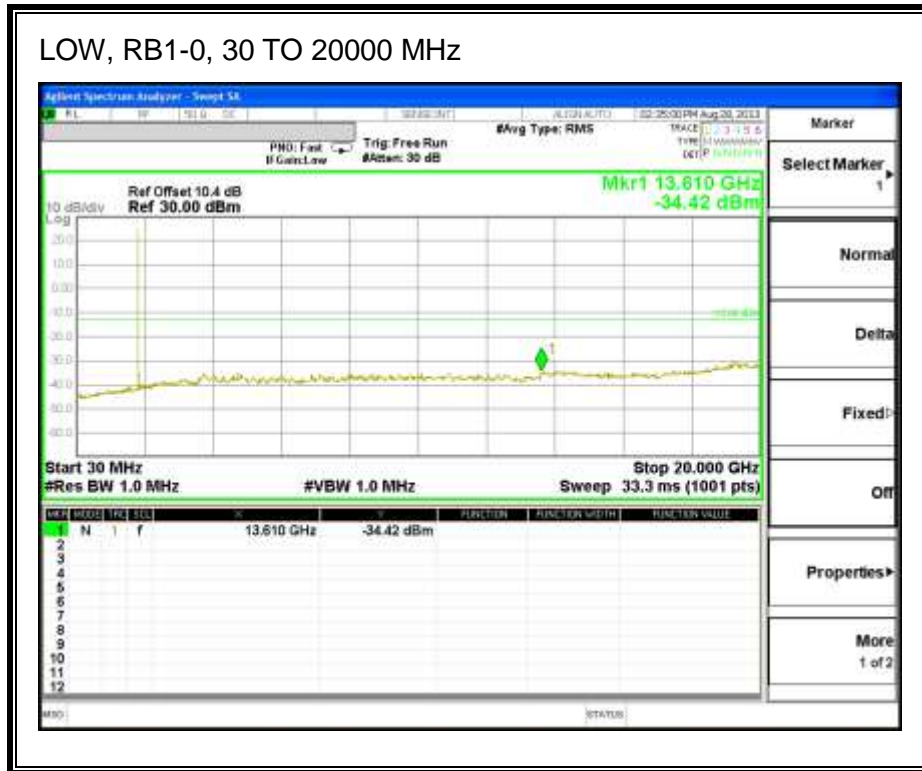


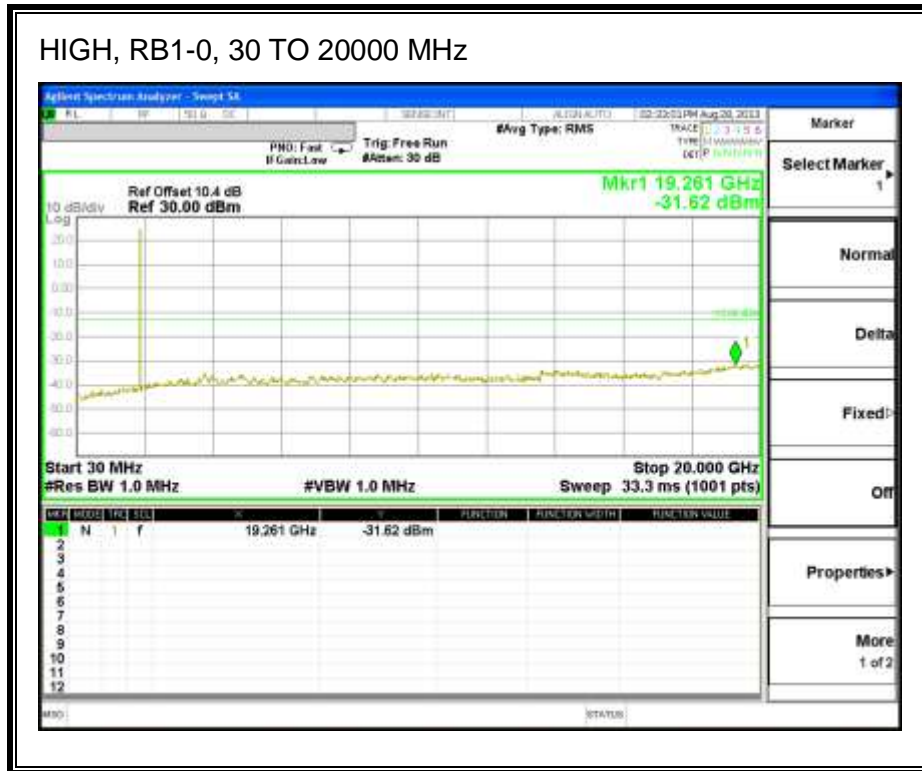
LTE QPSK, 5.0 MHz BAND WIDTH



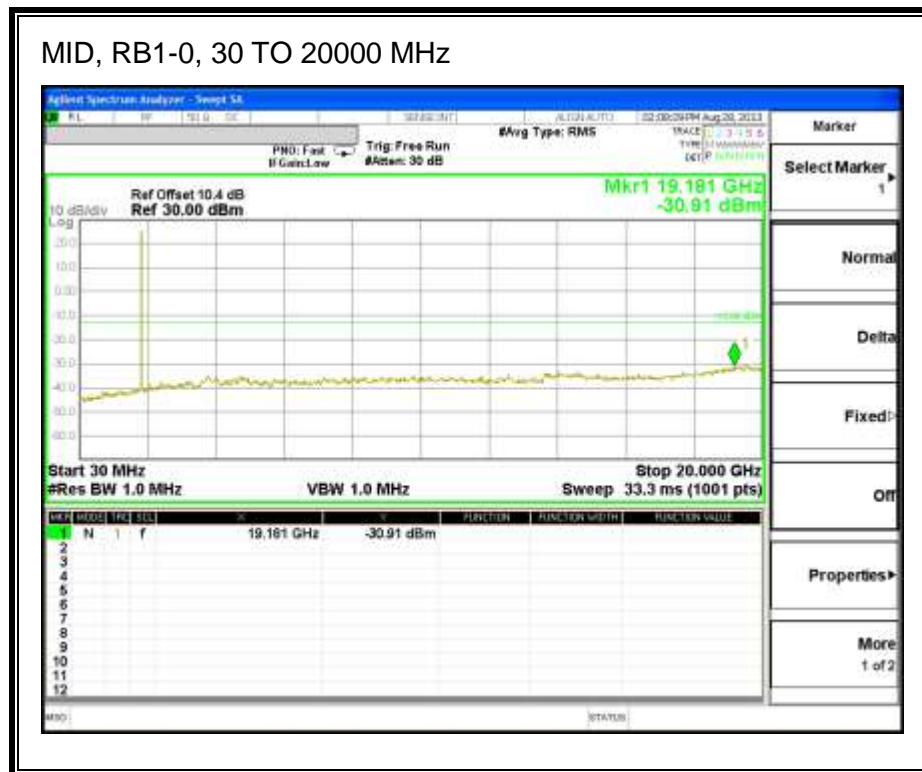
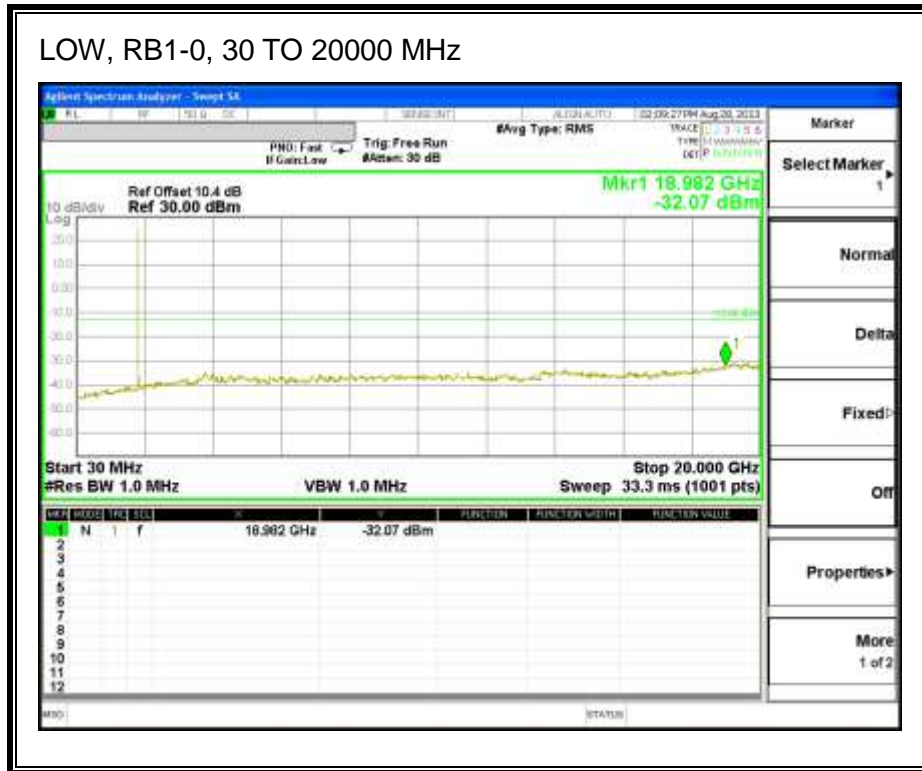


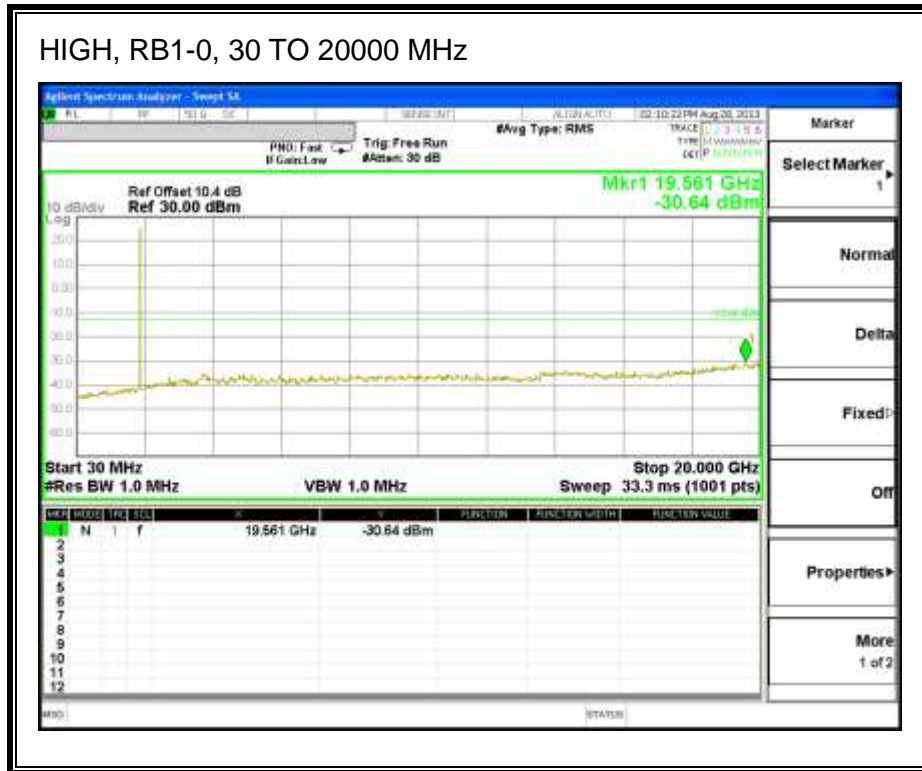
LTE 16QAM



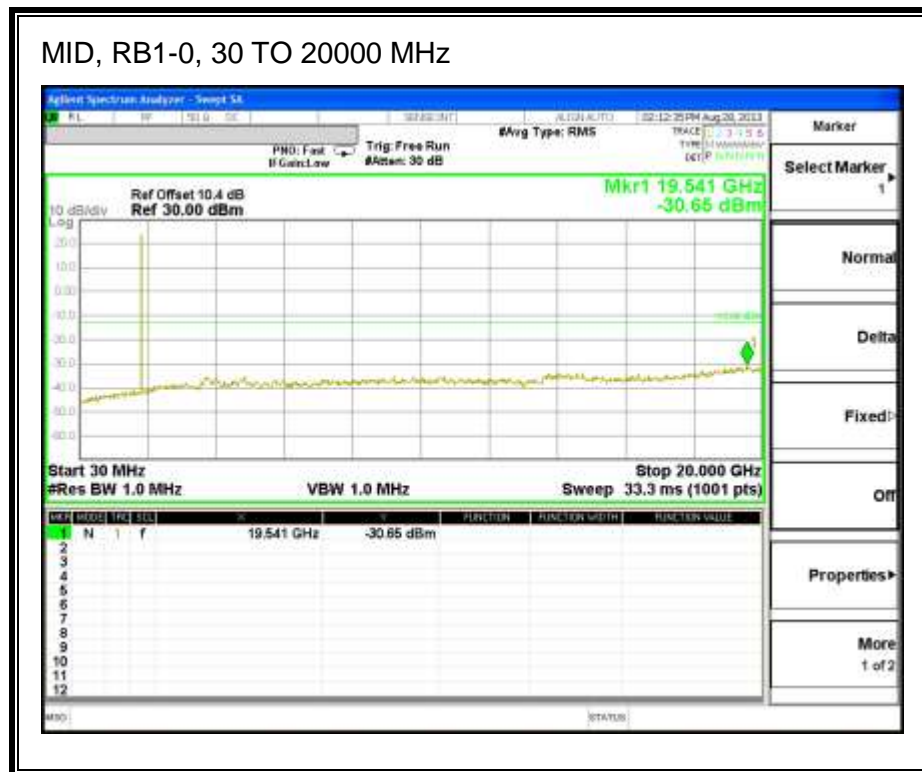
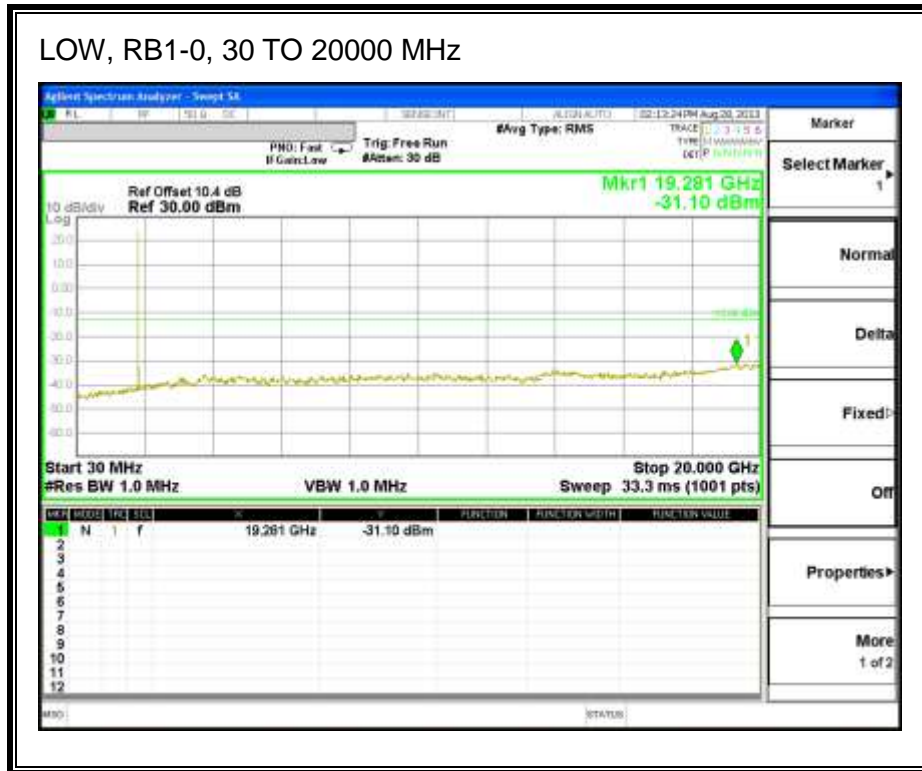


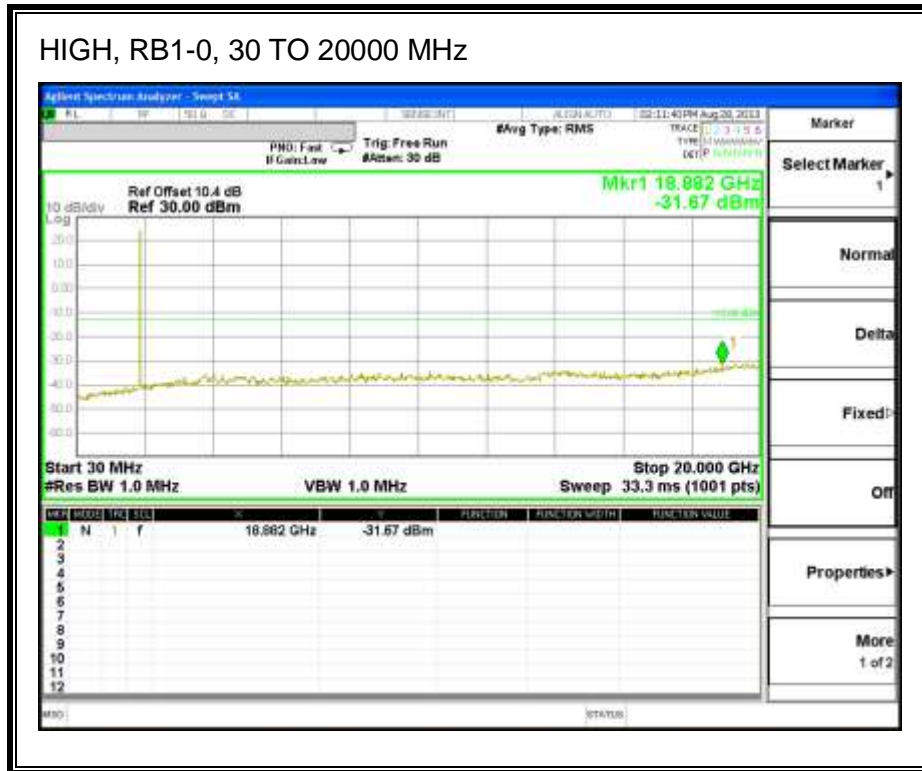
LTE QPSK, 10.0 MHz BAND WIDTH



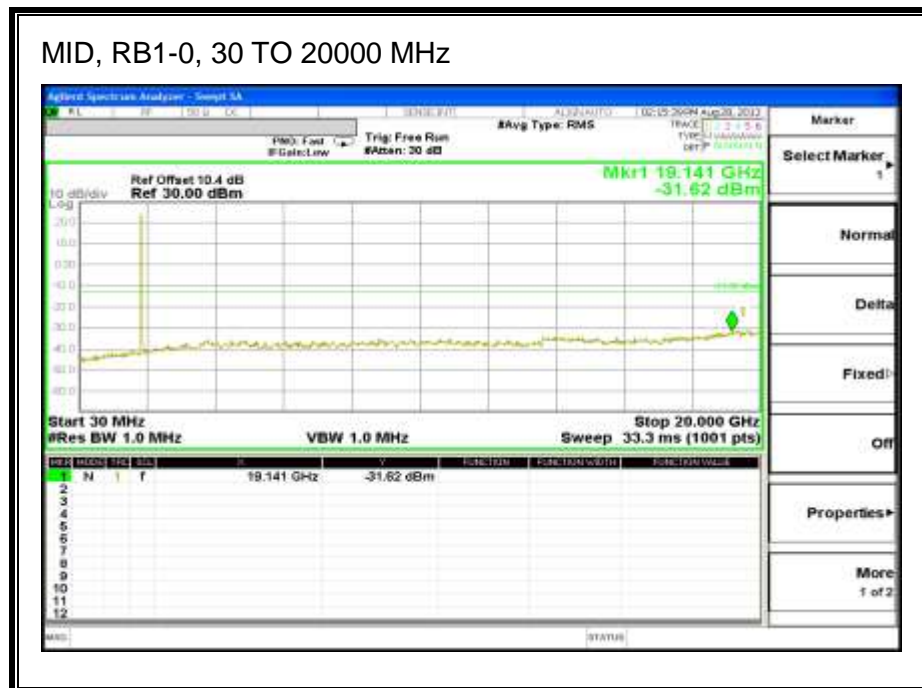
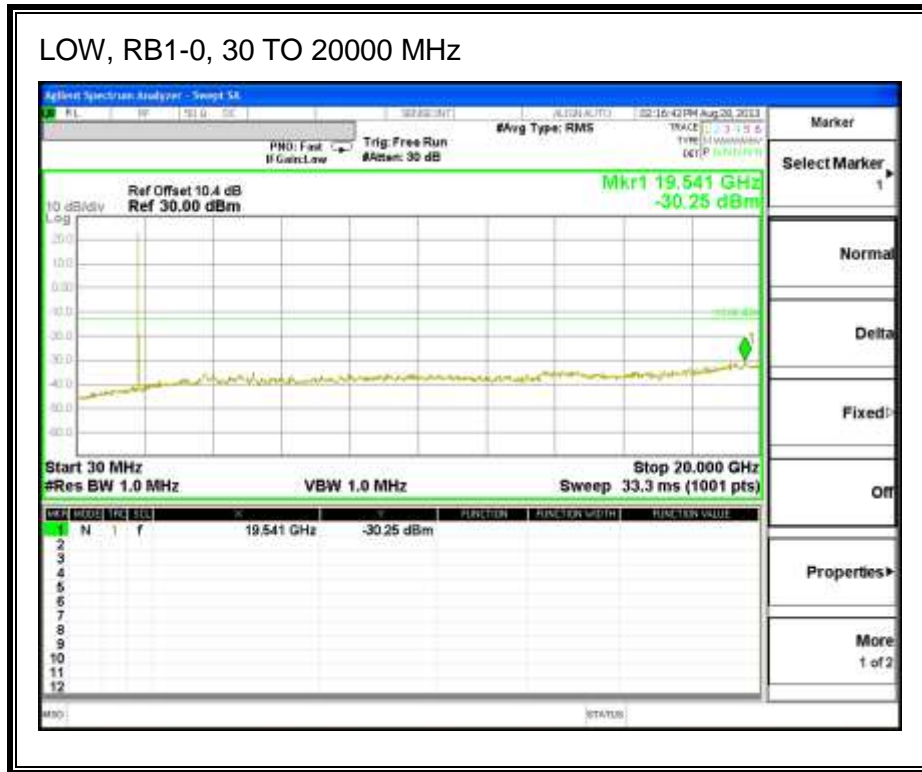


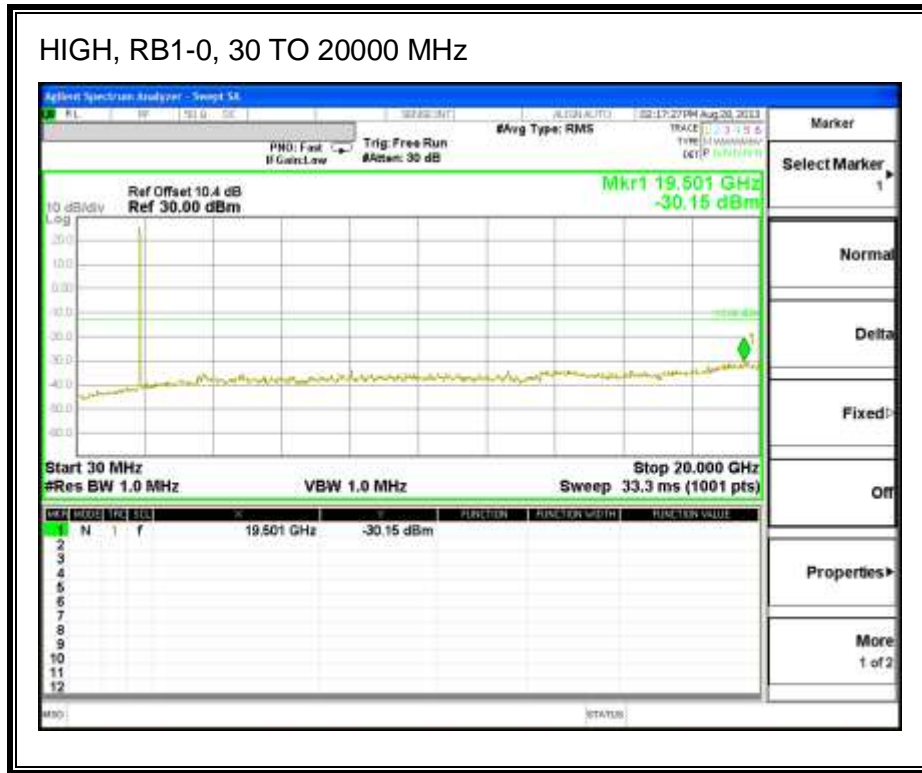
LTE 16QAM



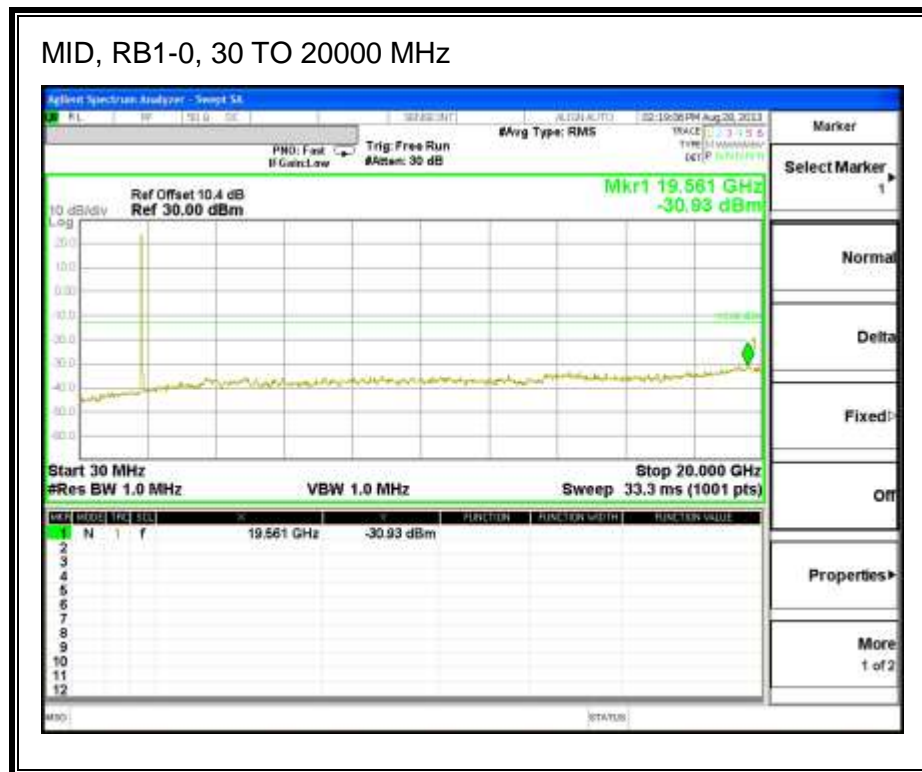
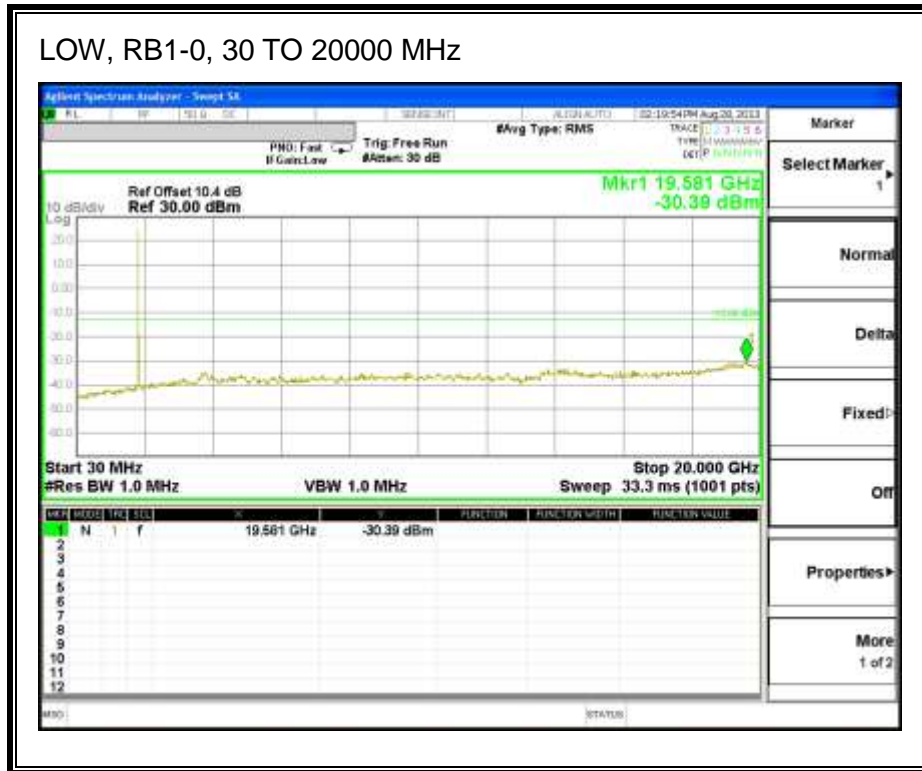


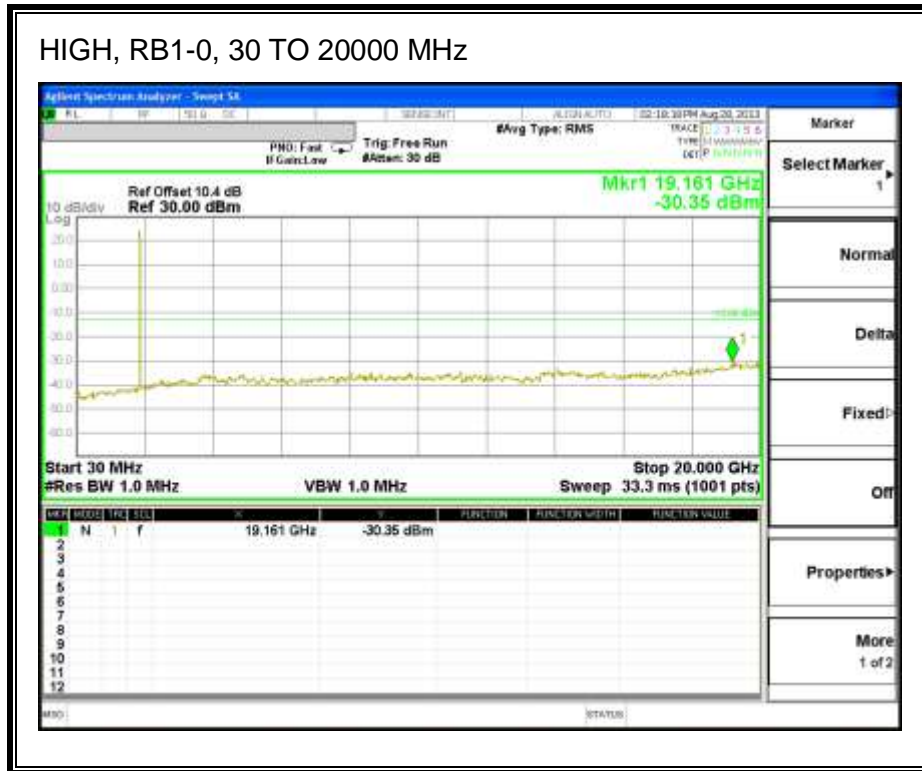
LTE QPSK, 15.0 MHz BAND WIDTH



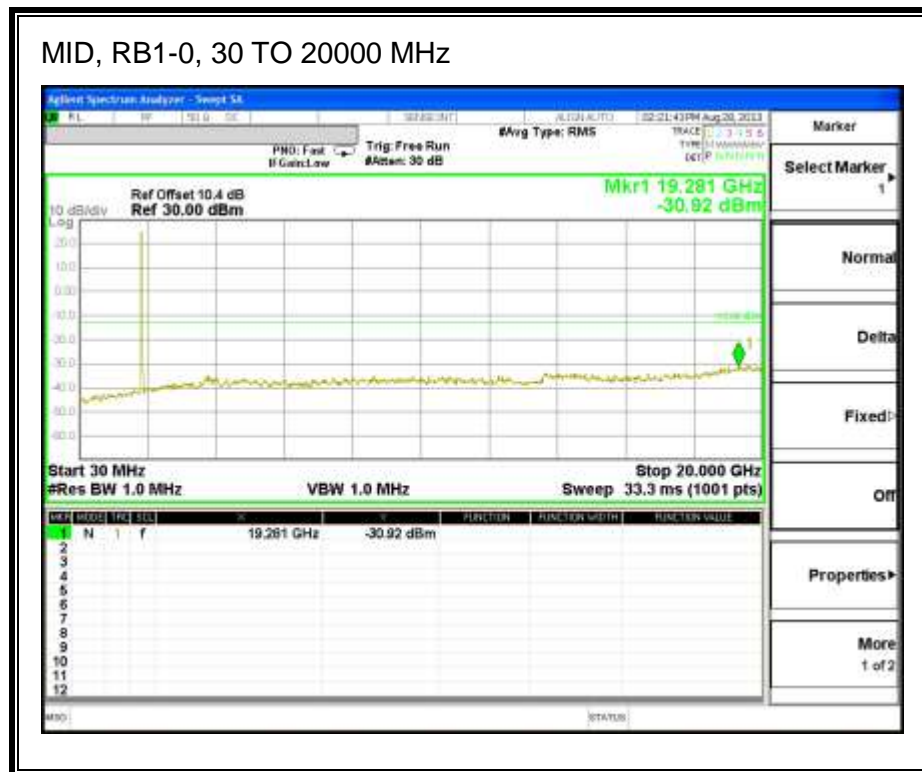
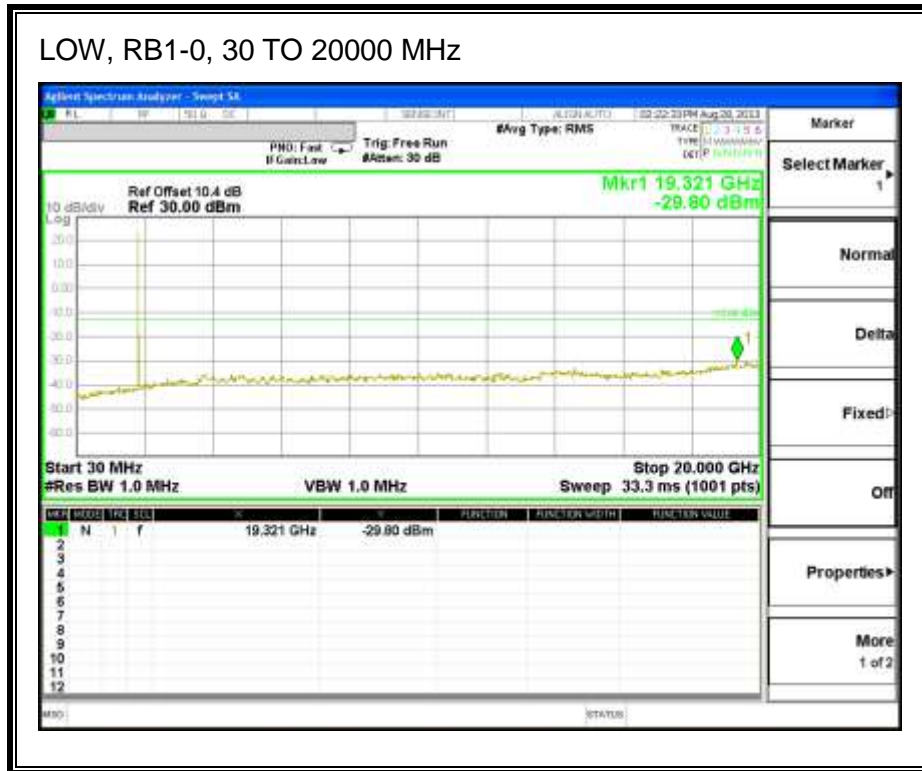


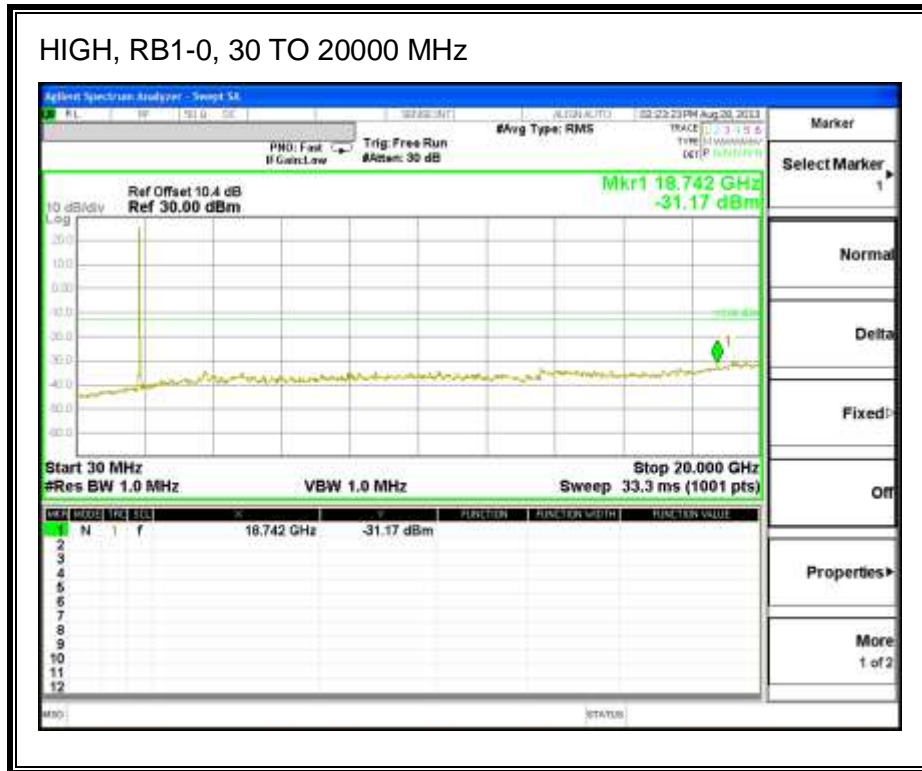
LTE 16QAM



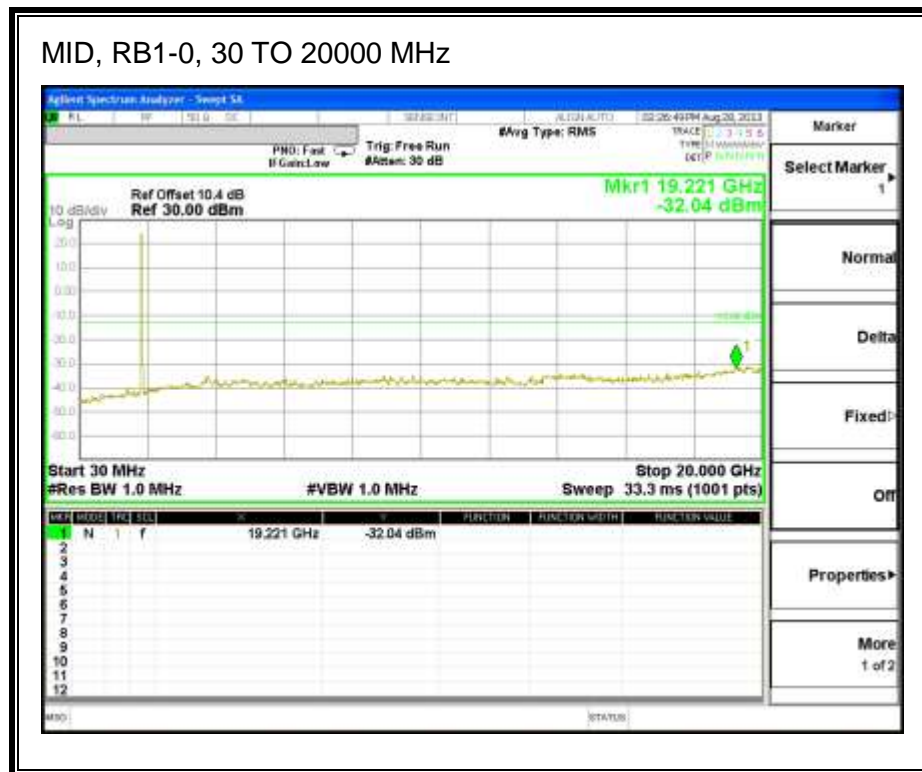
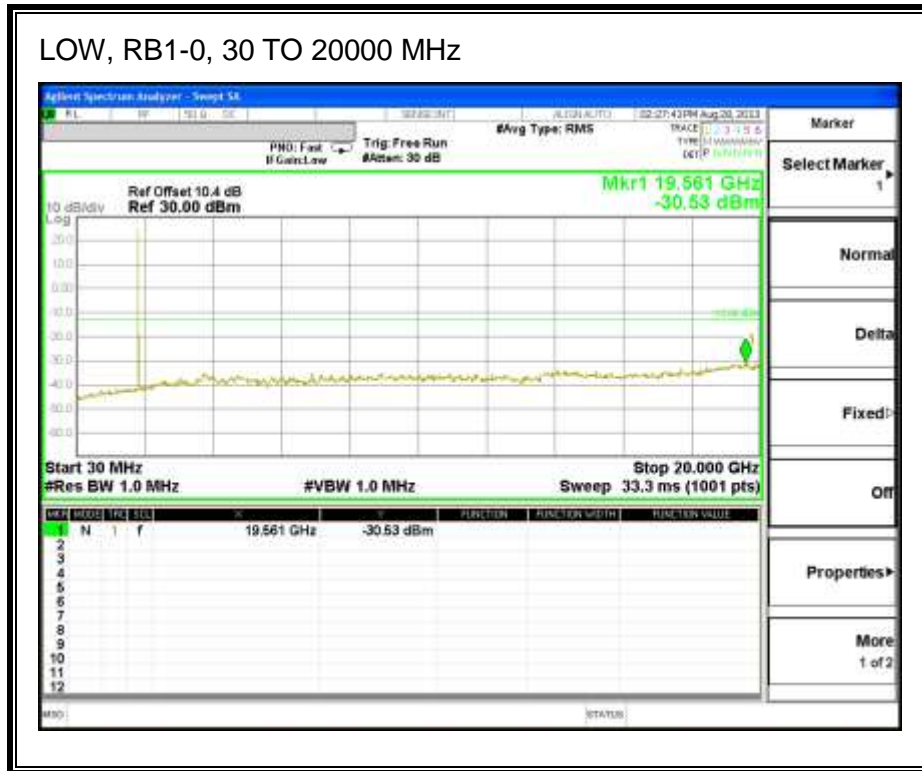


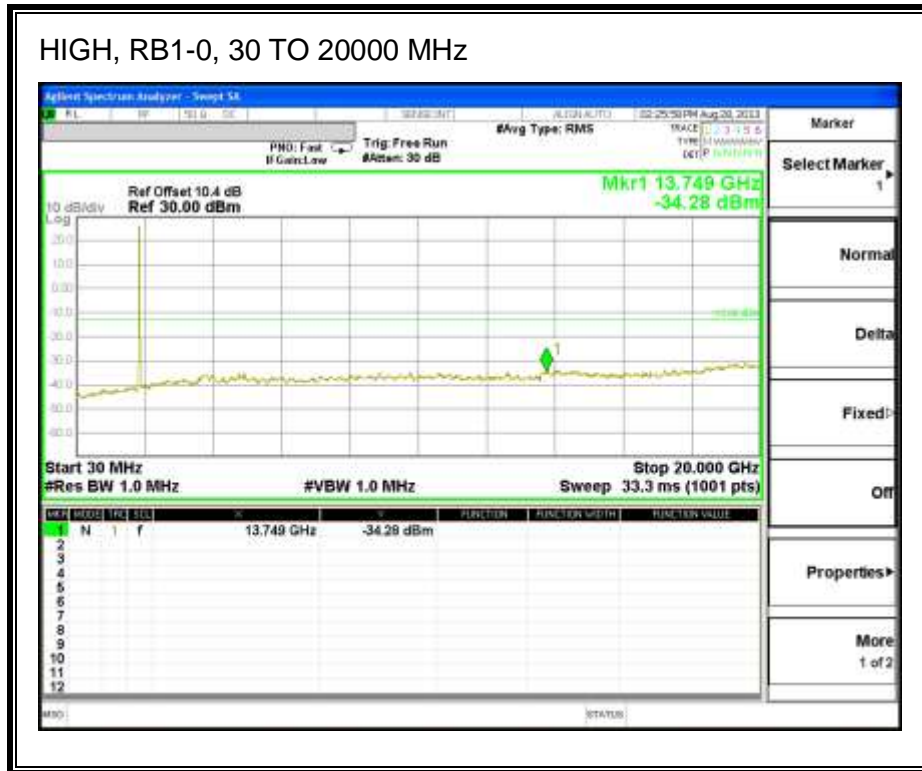
LTE QPSK, 20.0 MHz BAND WIDTH





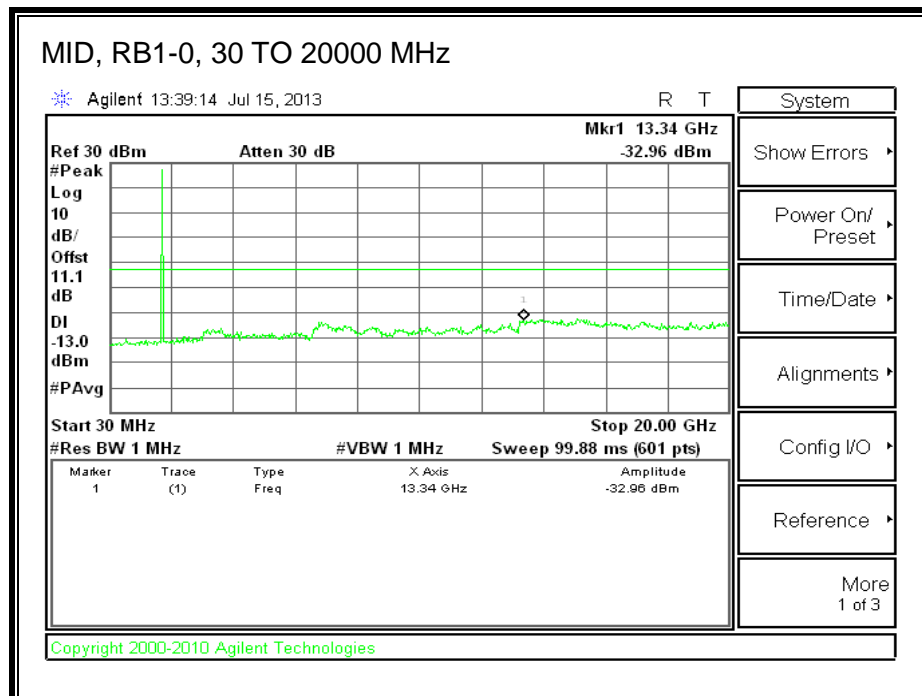
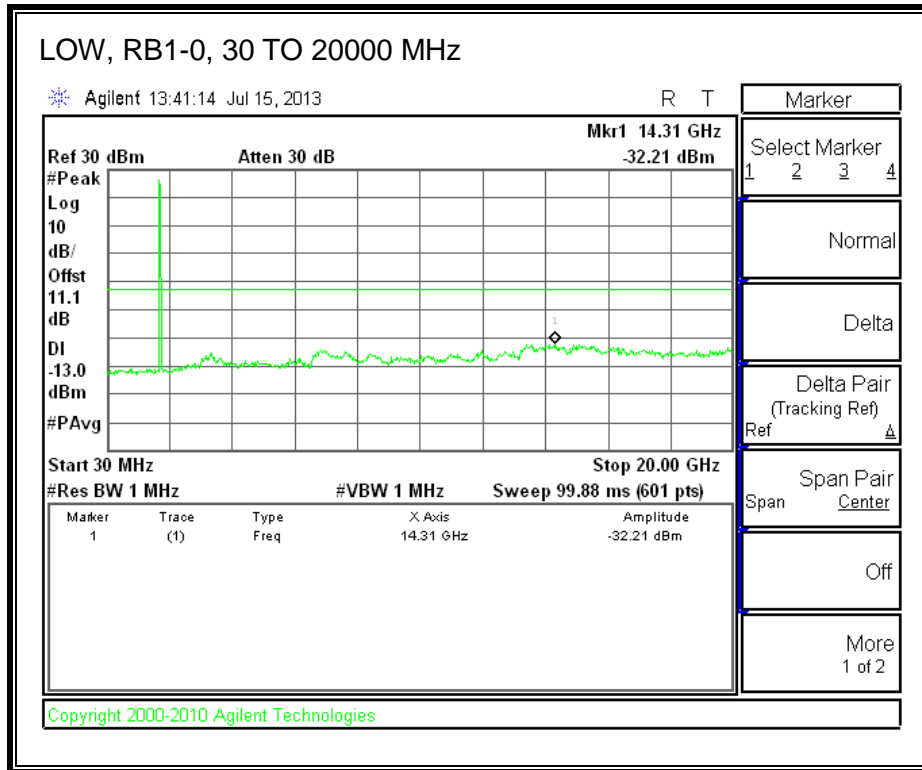
LTE 16QAM

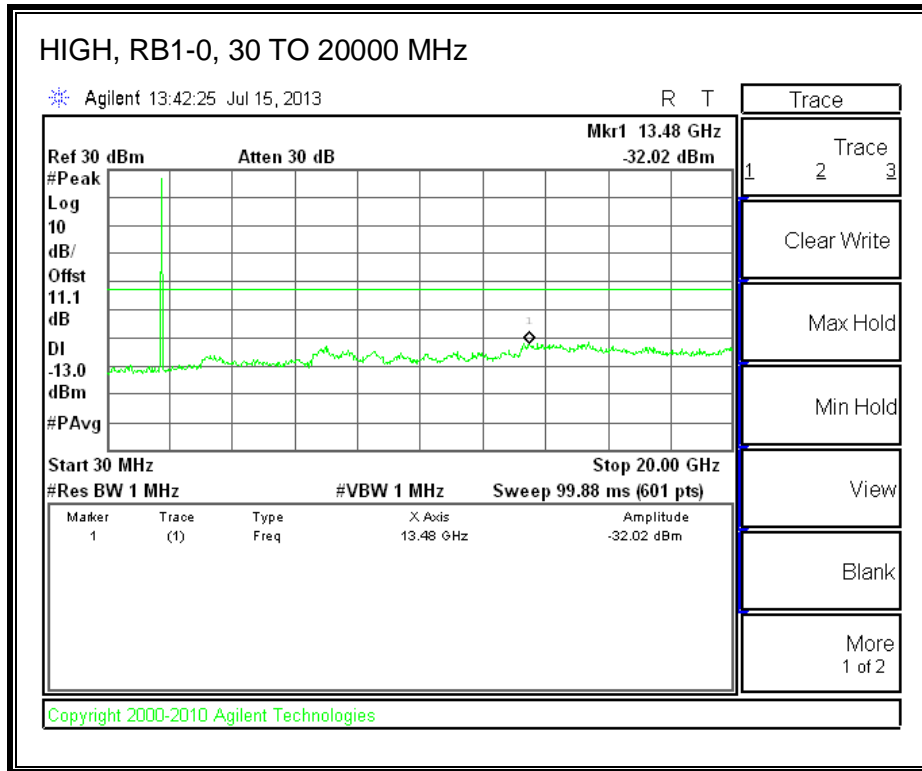




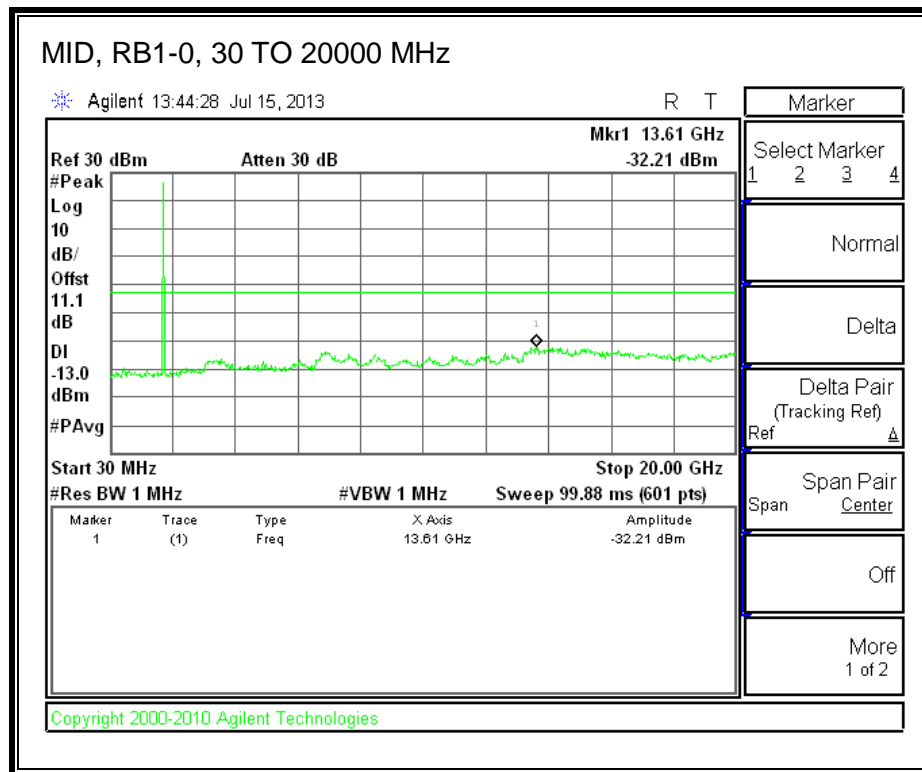
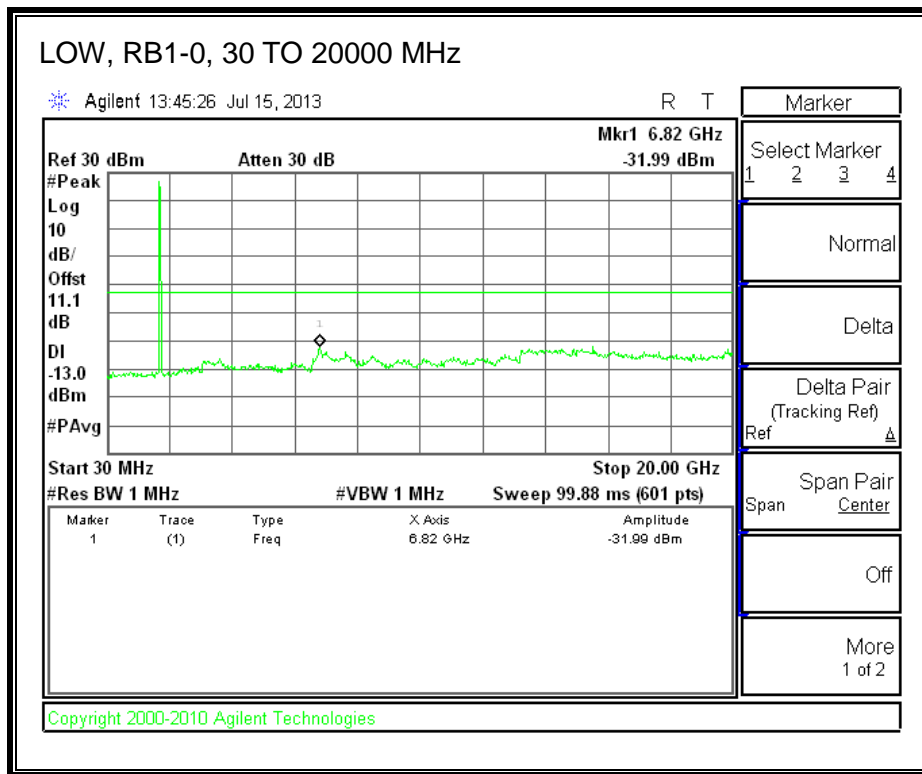
8.3.2. LTE BAND 4

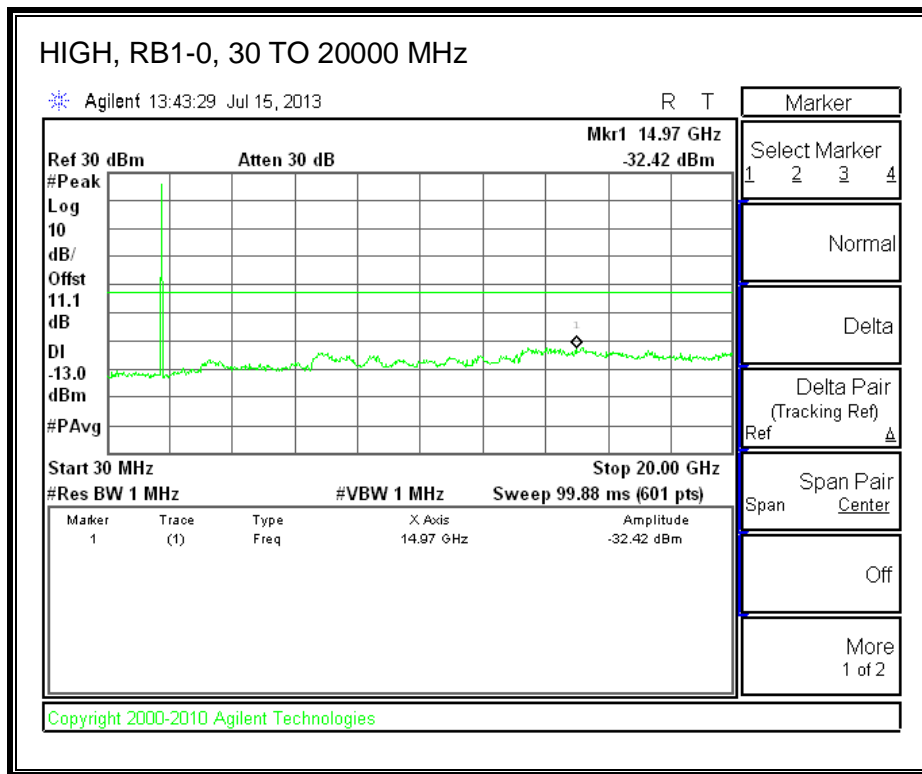
LTE QPSK (1.4 MHz BAND WIDTH)



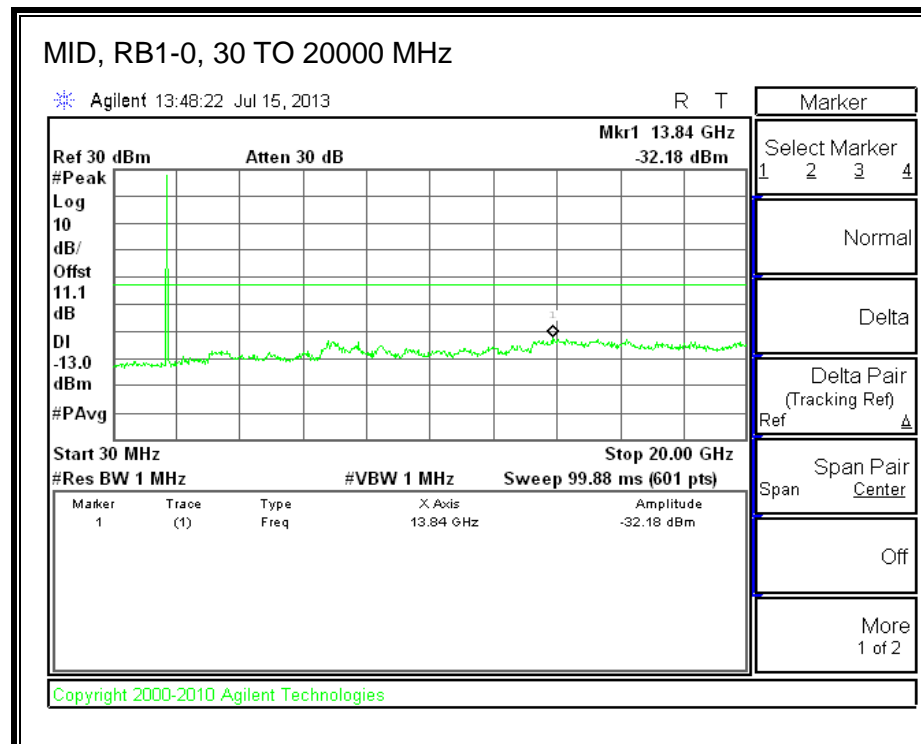
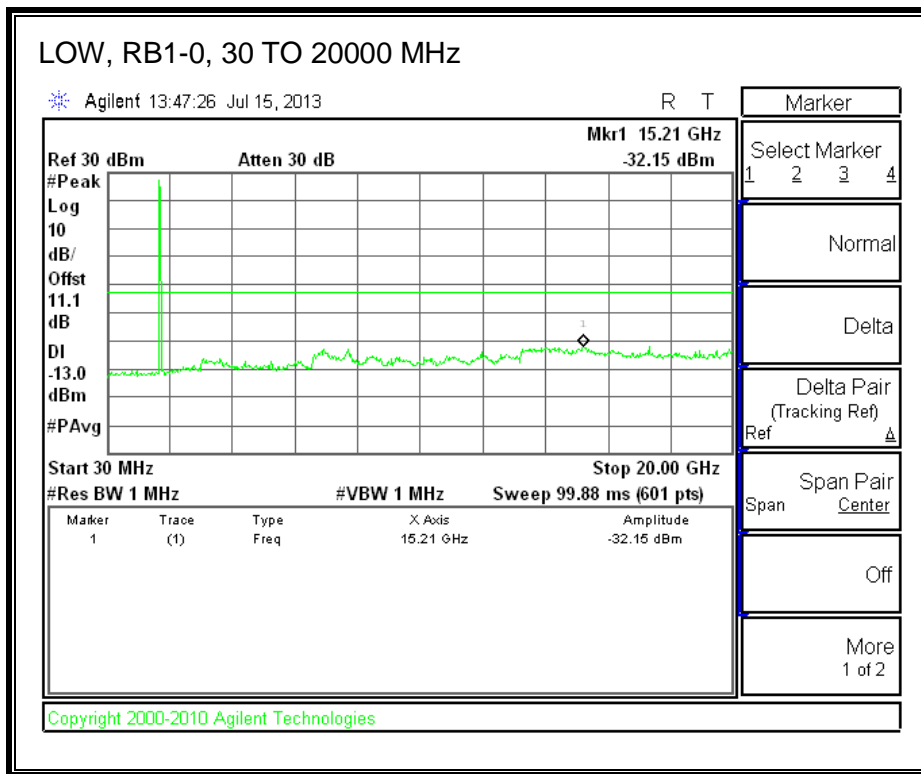


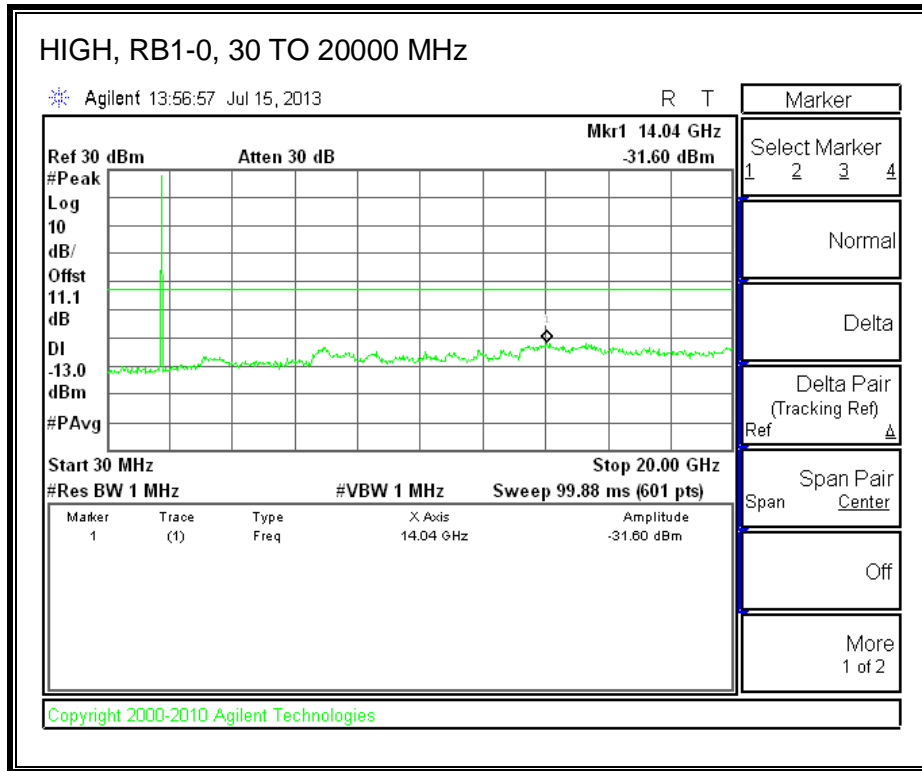
LTE 16QAM



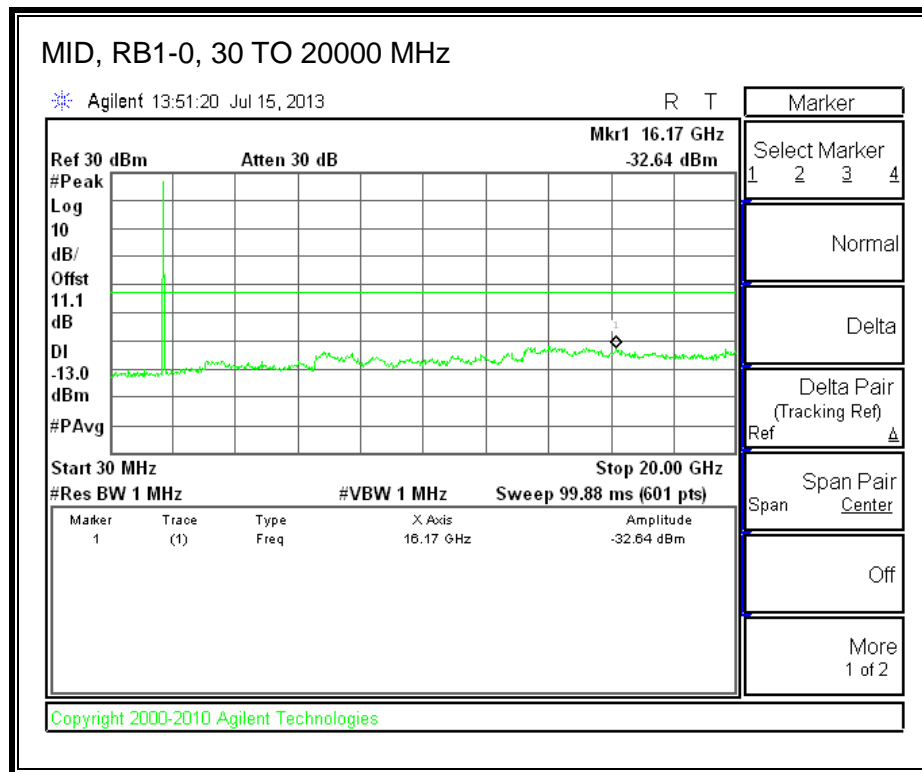
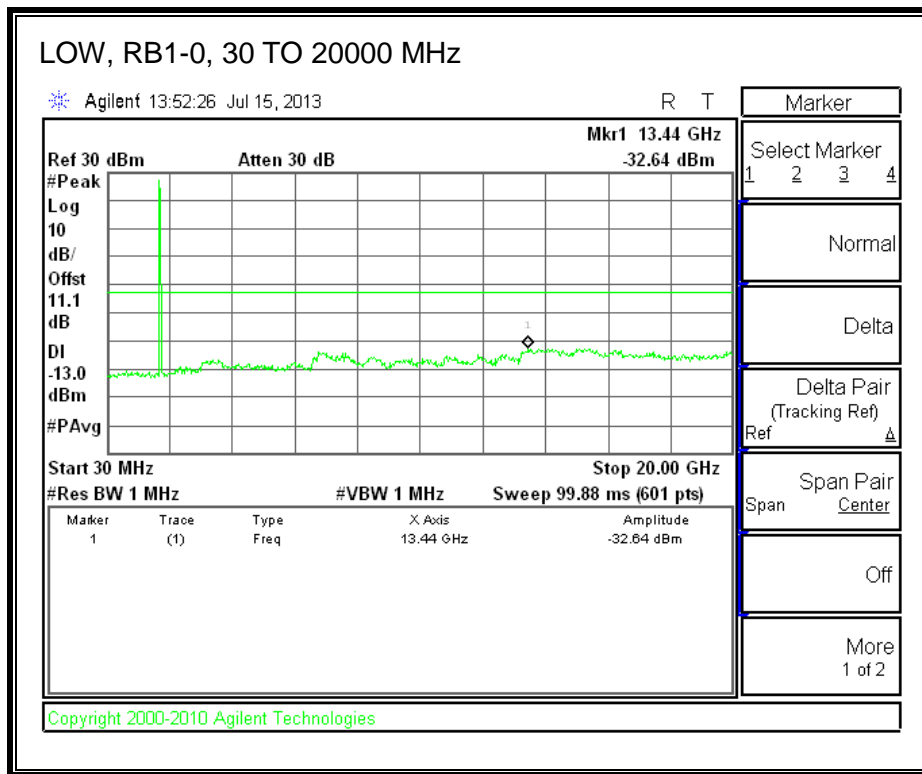


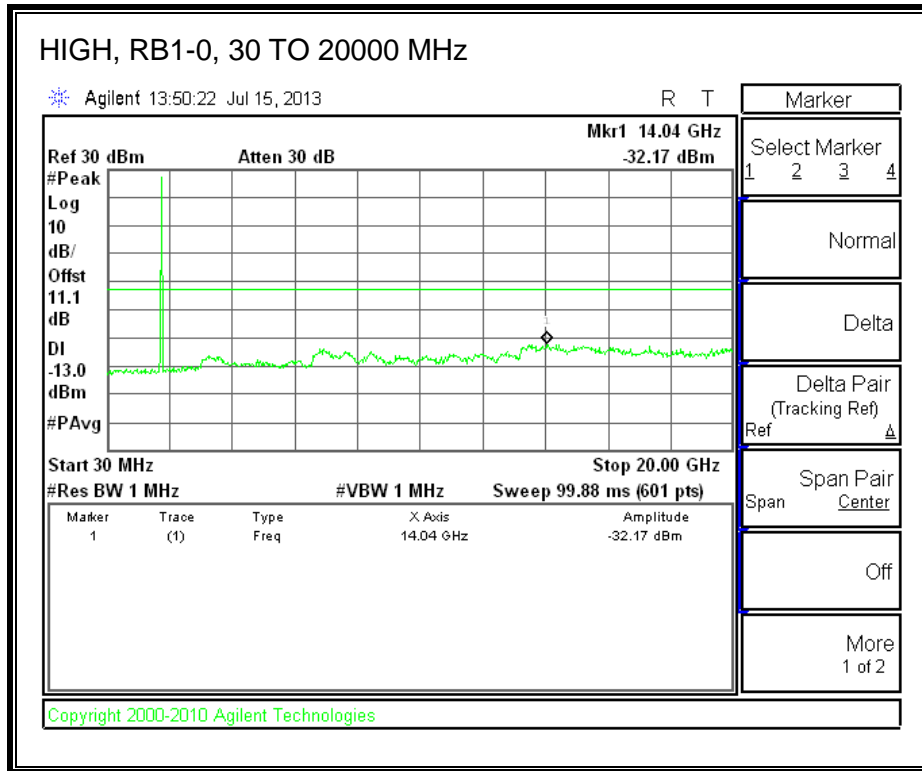
LTE QPSK, 3.0 MHz BAND WIDTH



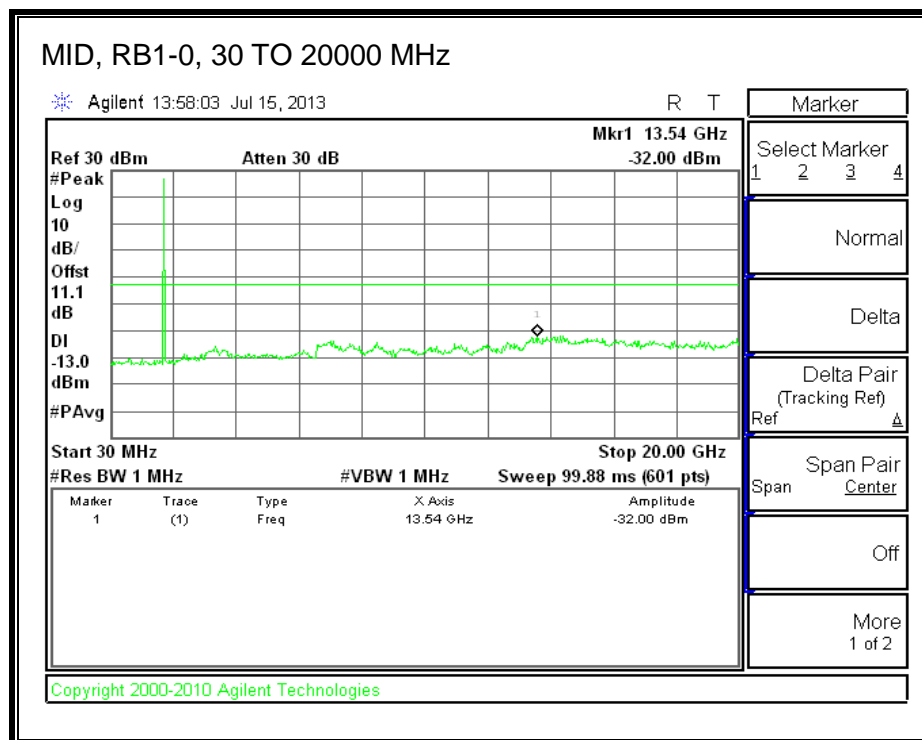
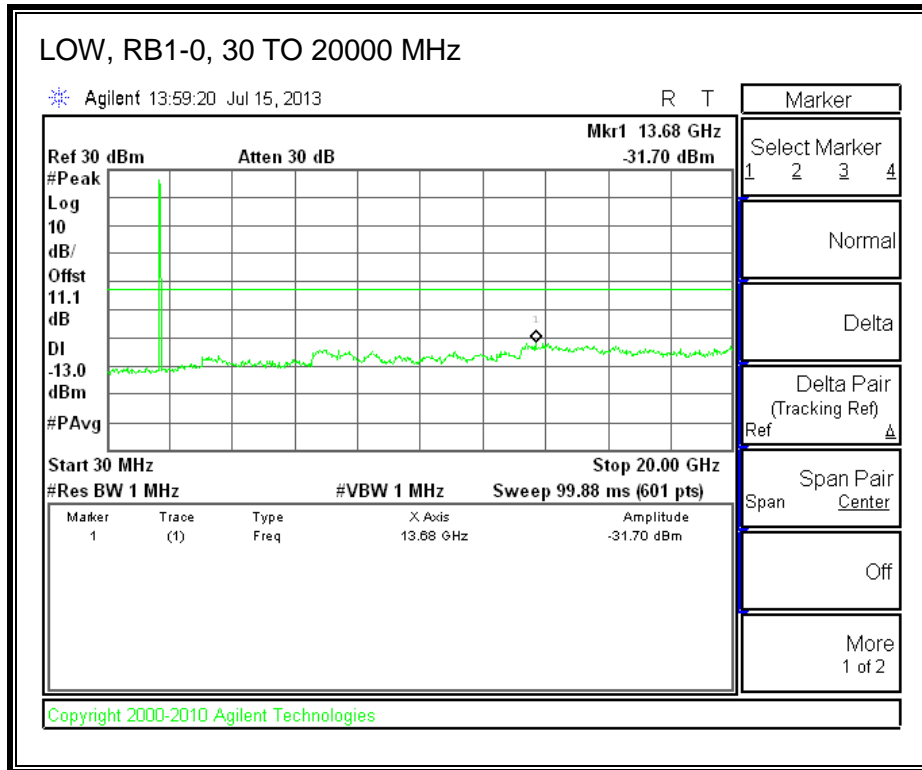


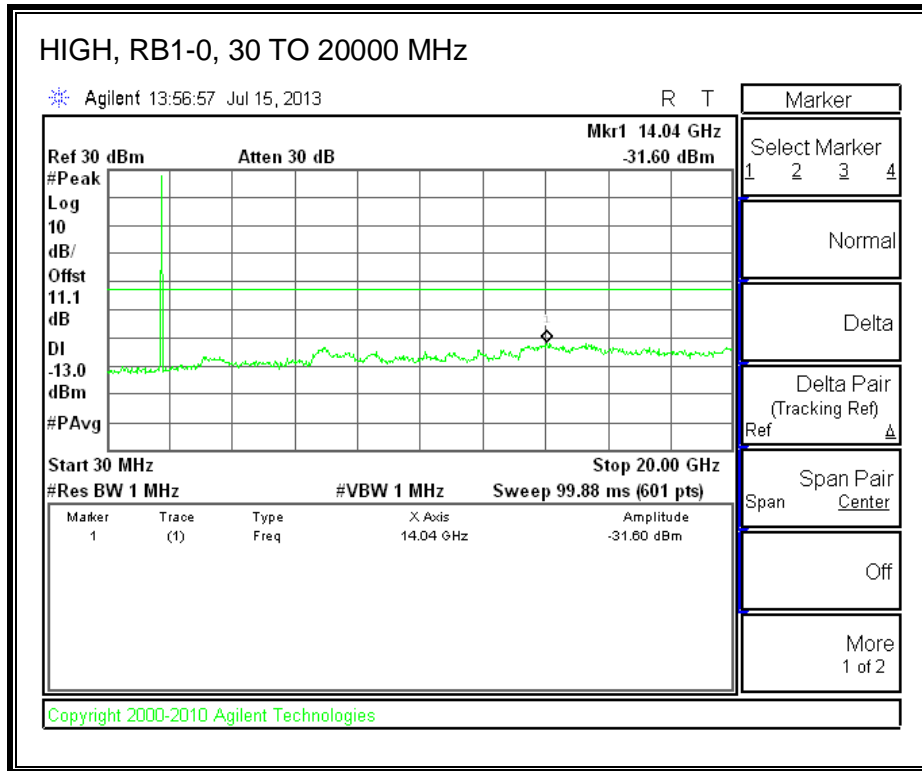
LTE 16QAM



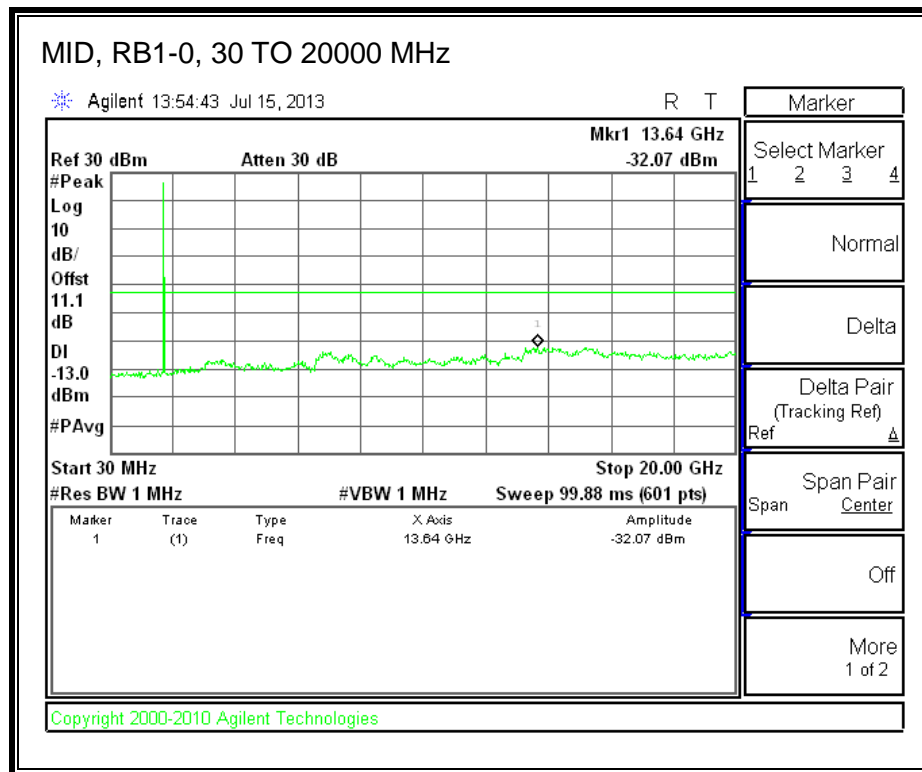
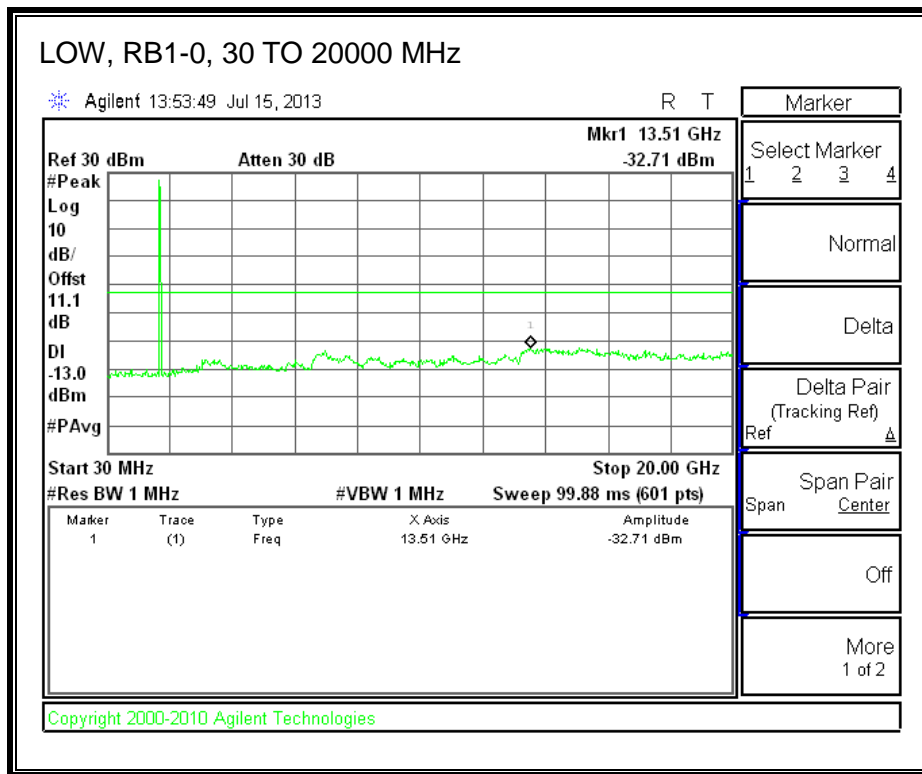


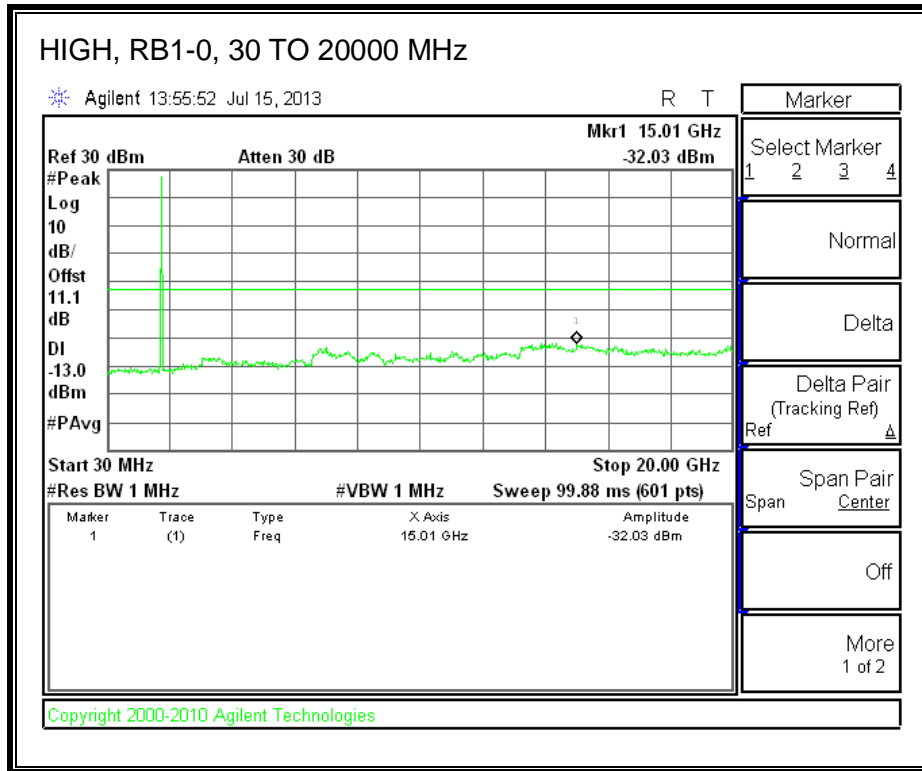
LTE QPSK, 5.0 MHz BAND WIDTH



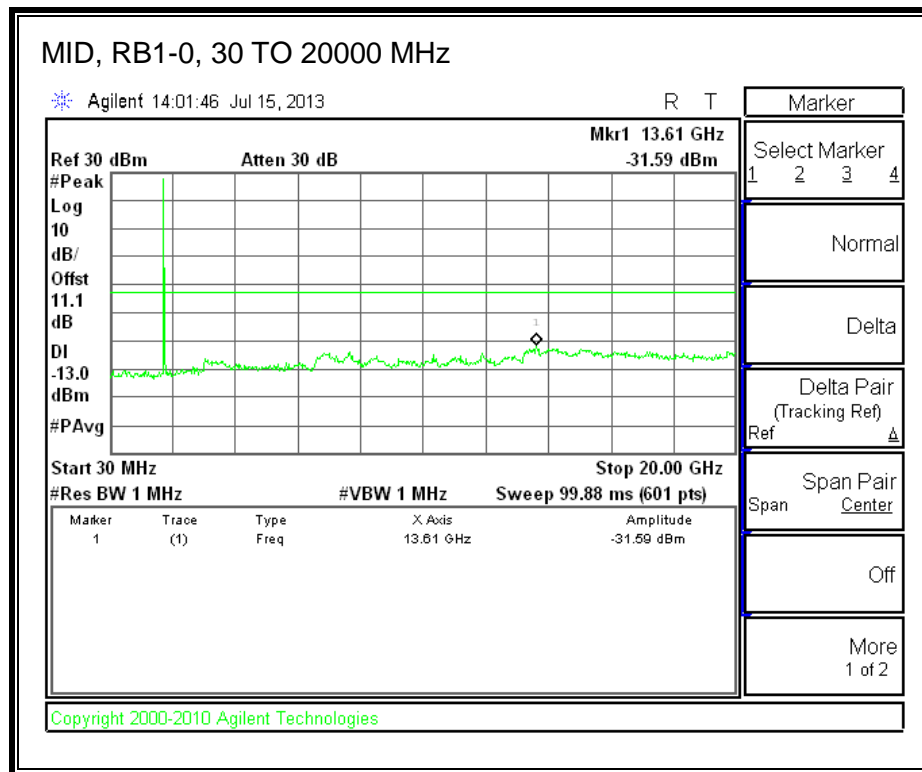
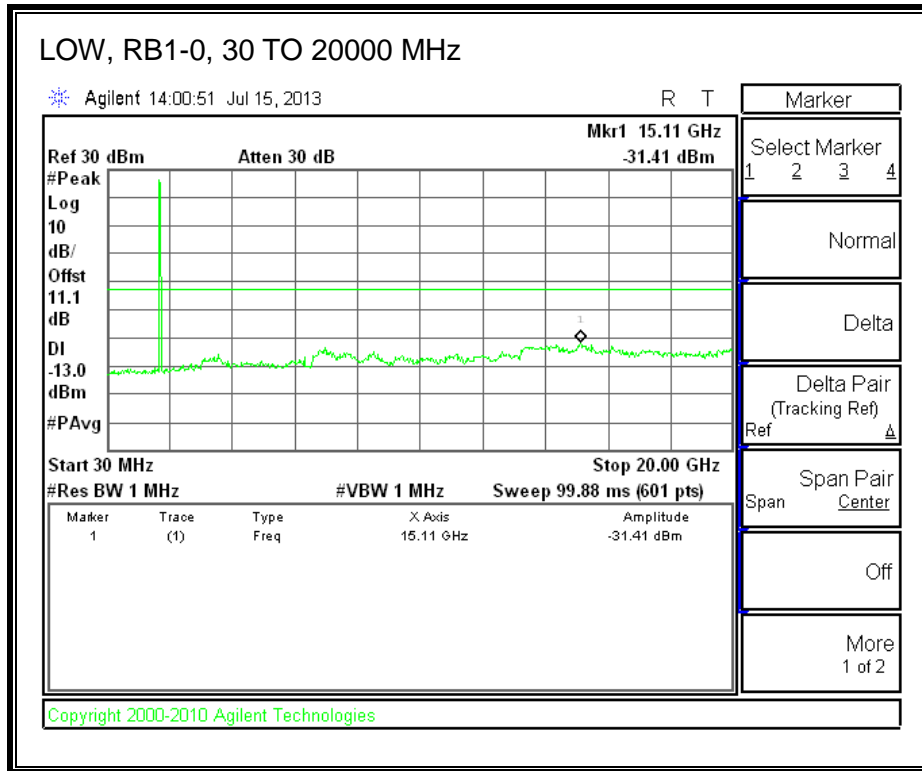


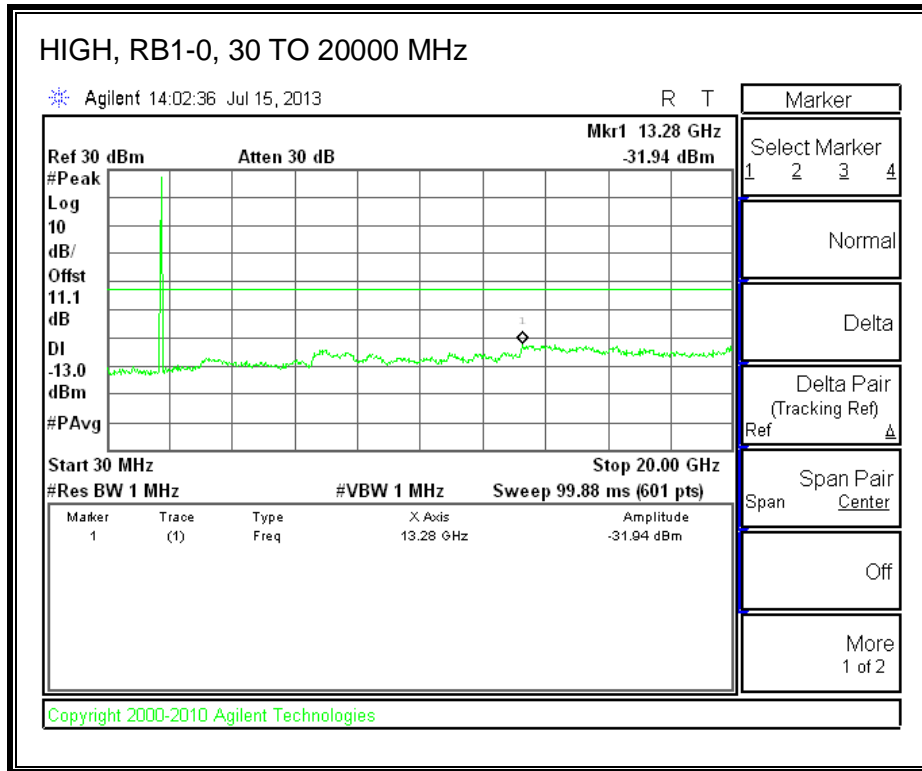
LTE 16QAM



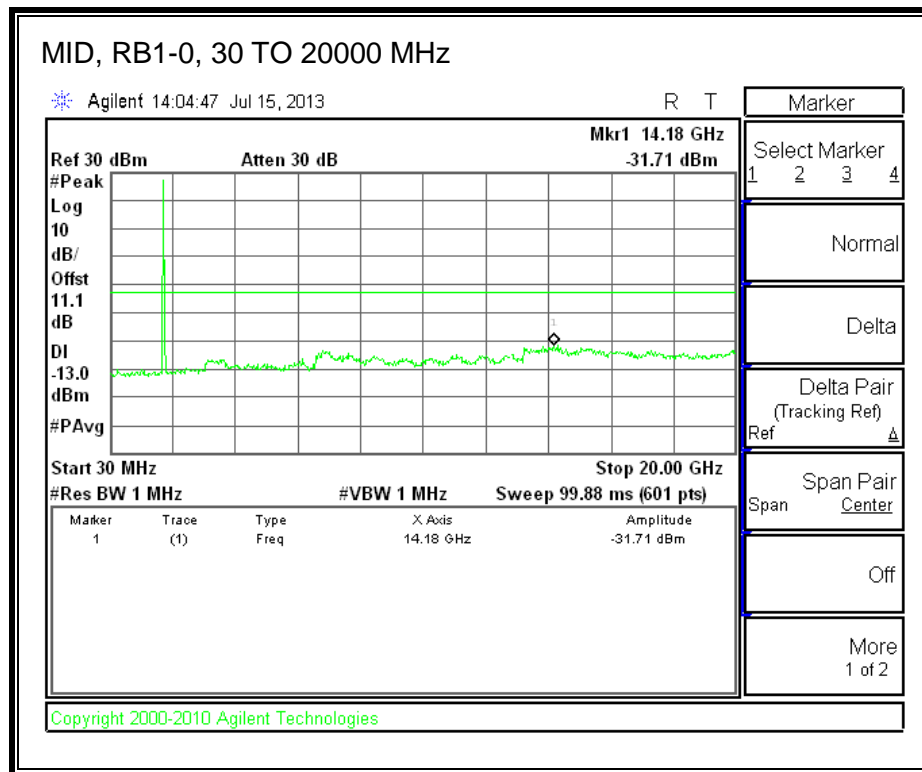
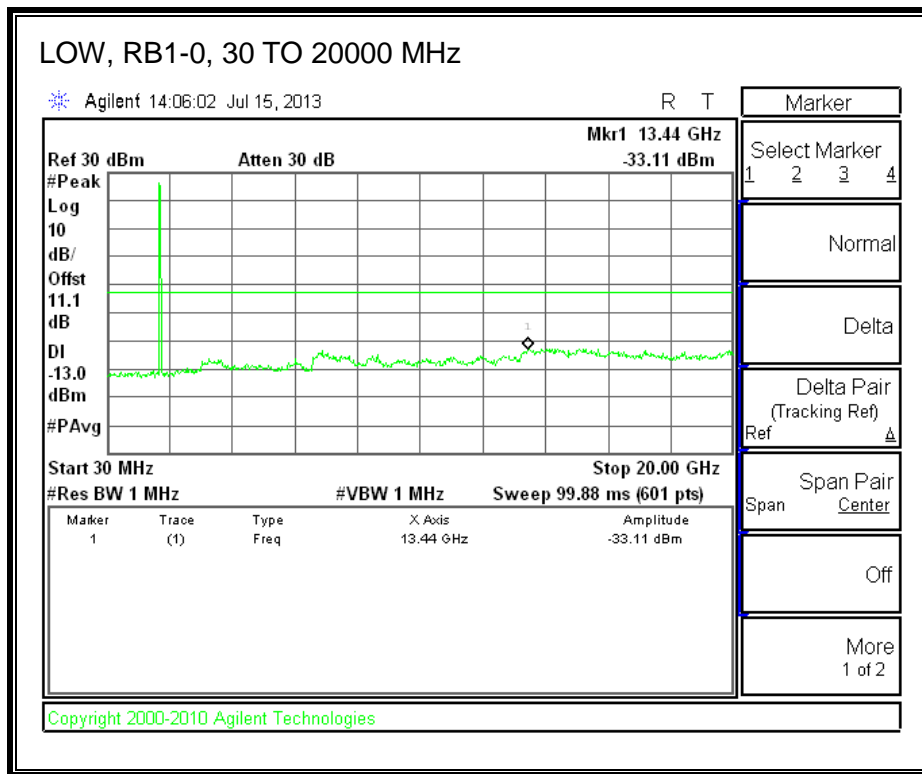


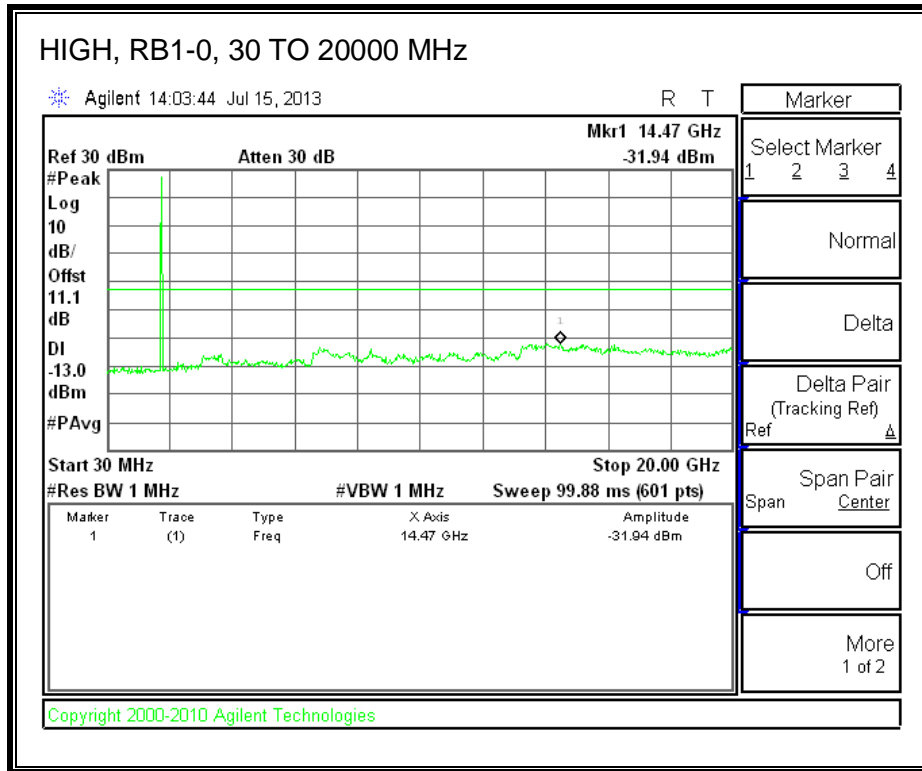
LTE QPSK, 10.0 MHz BAND WIDTH



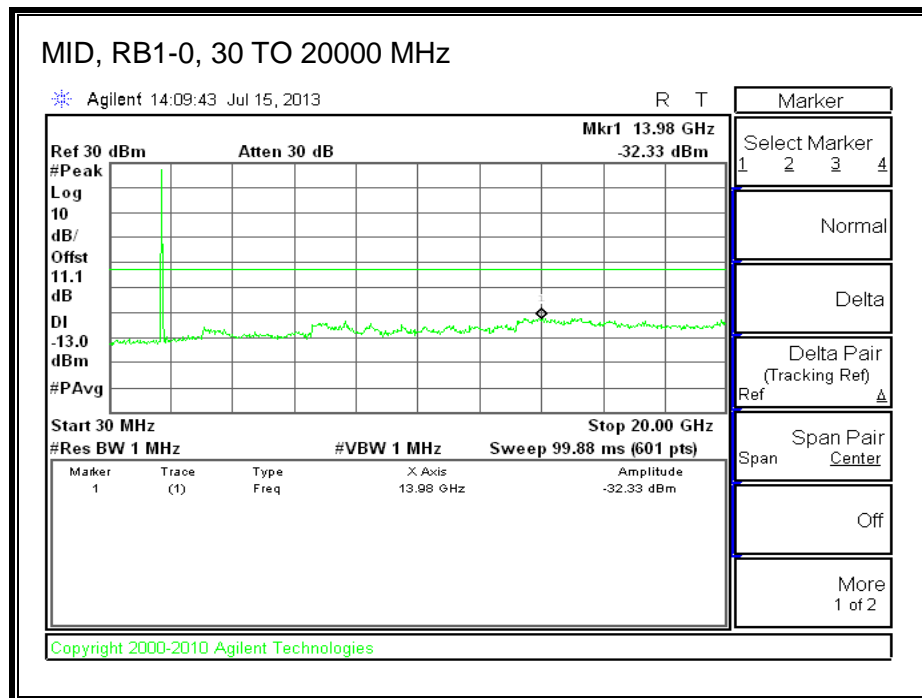
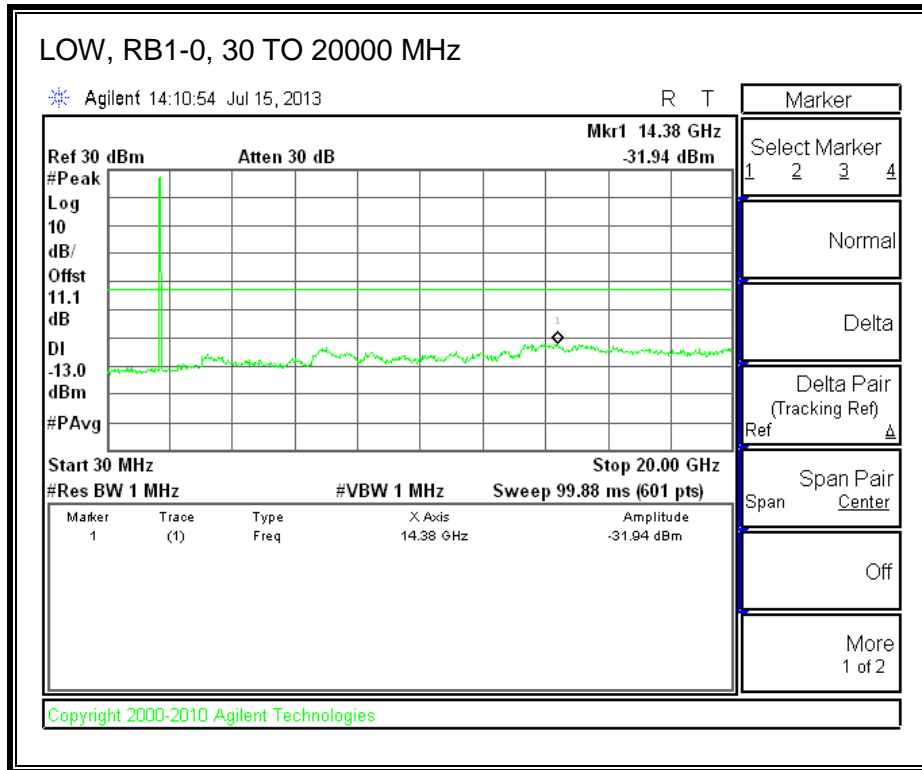


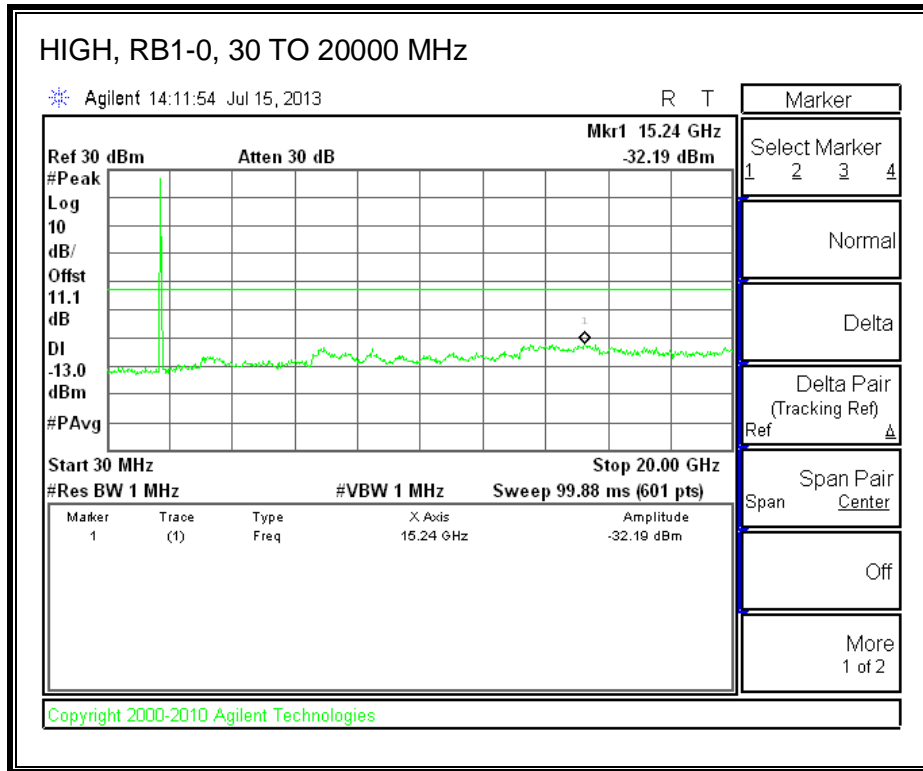
LTE 16QAM



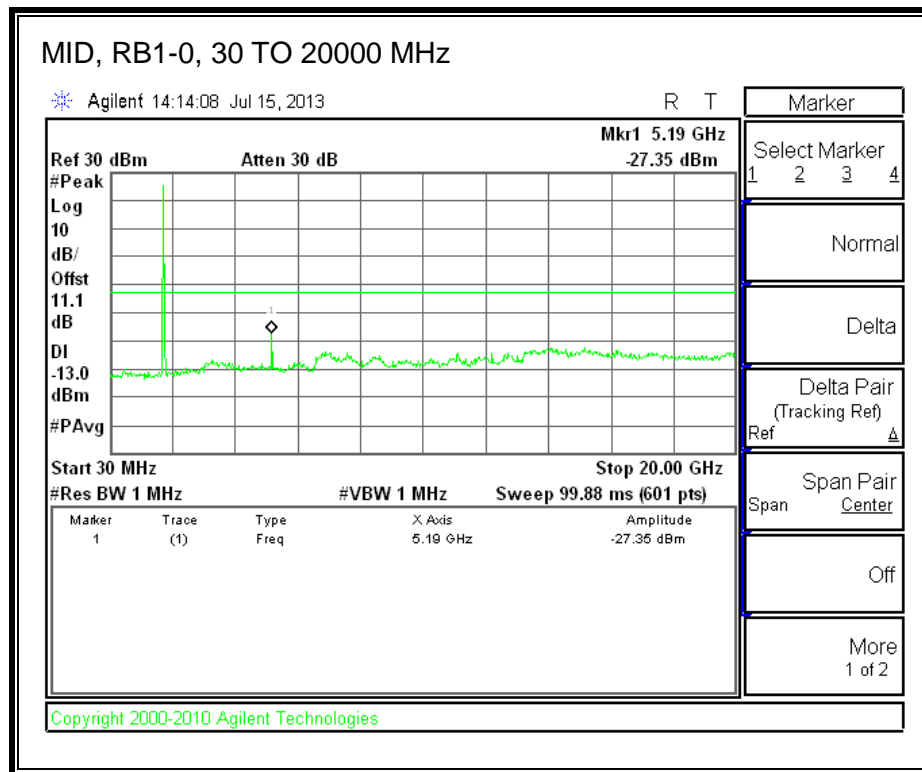
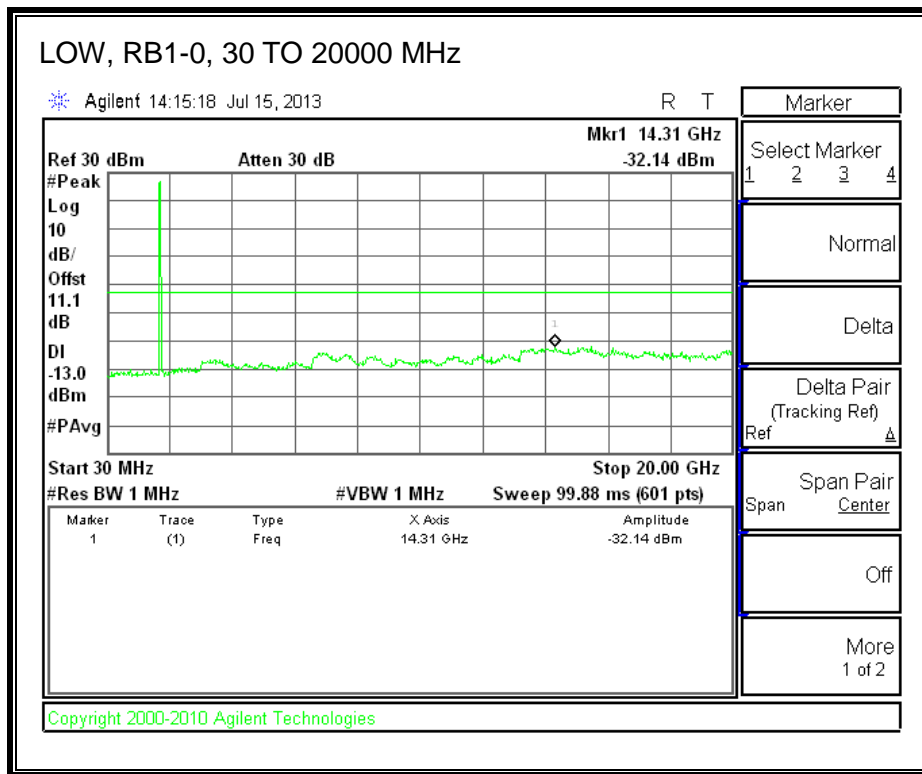


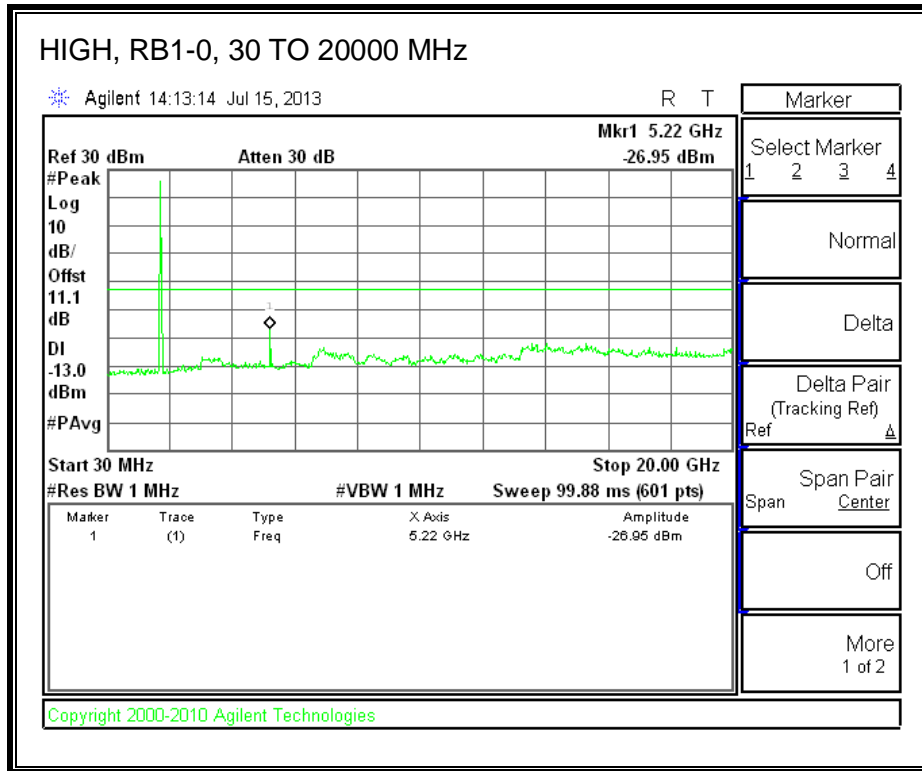
LTE QPSK, 15.0 MHz BAND WIDTH



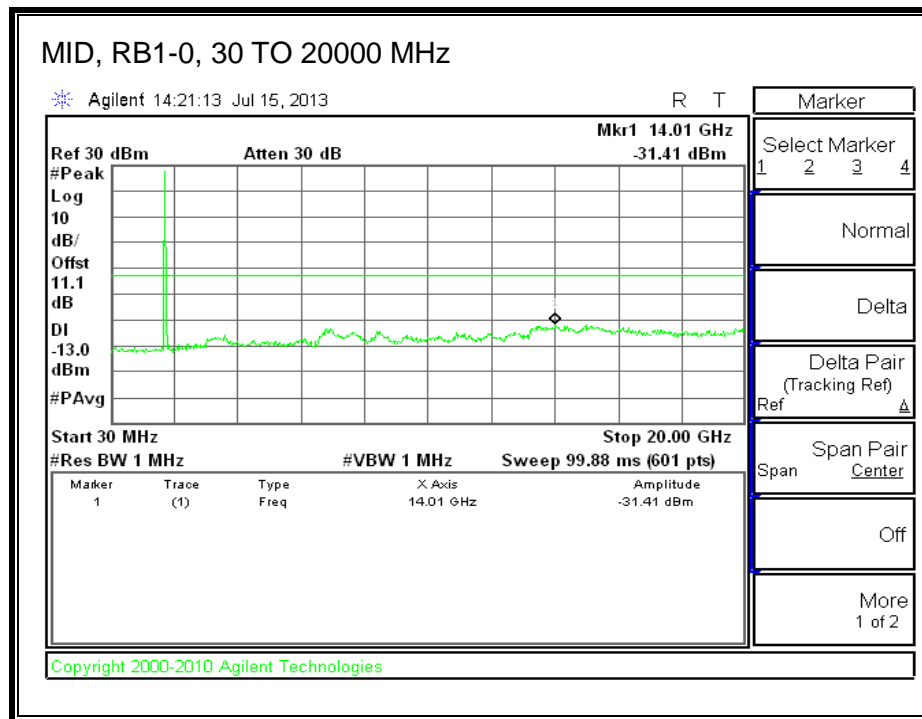
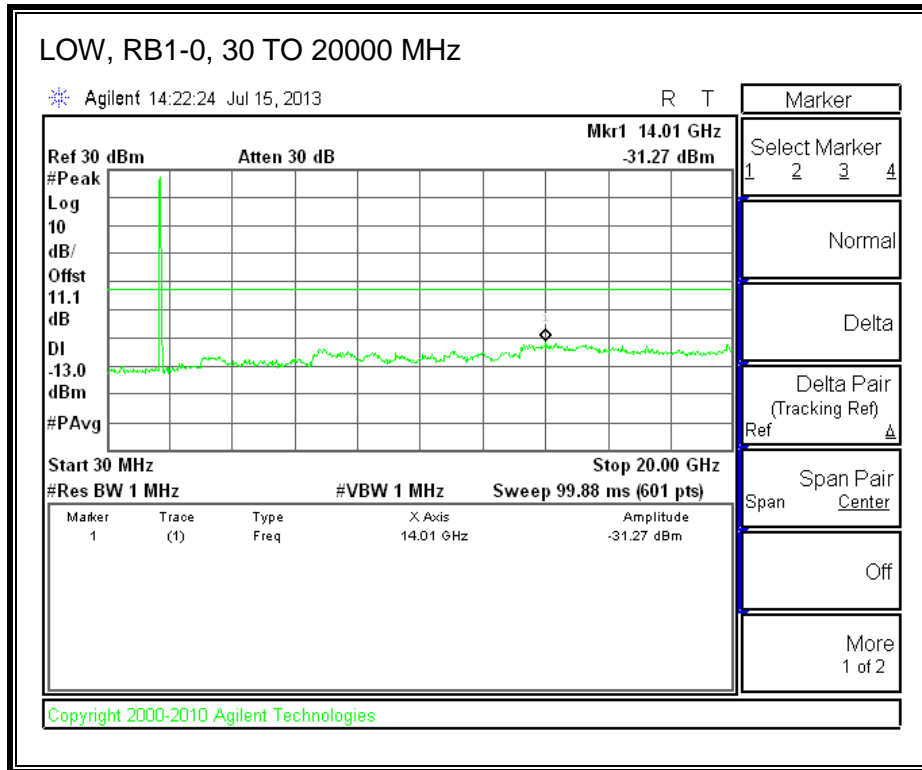


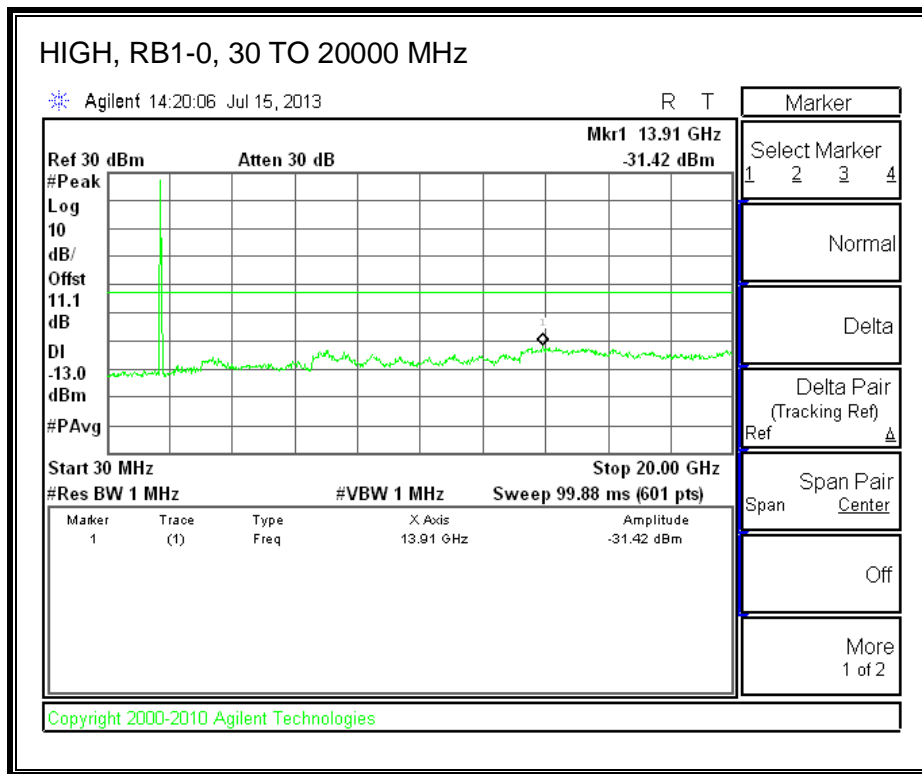
LTE 16QAM



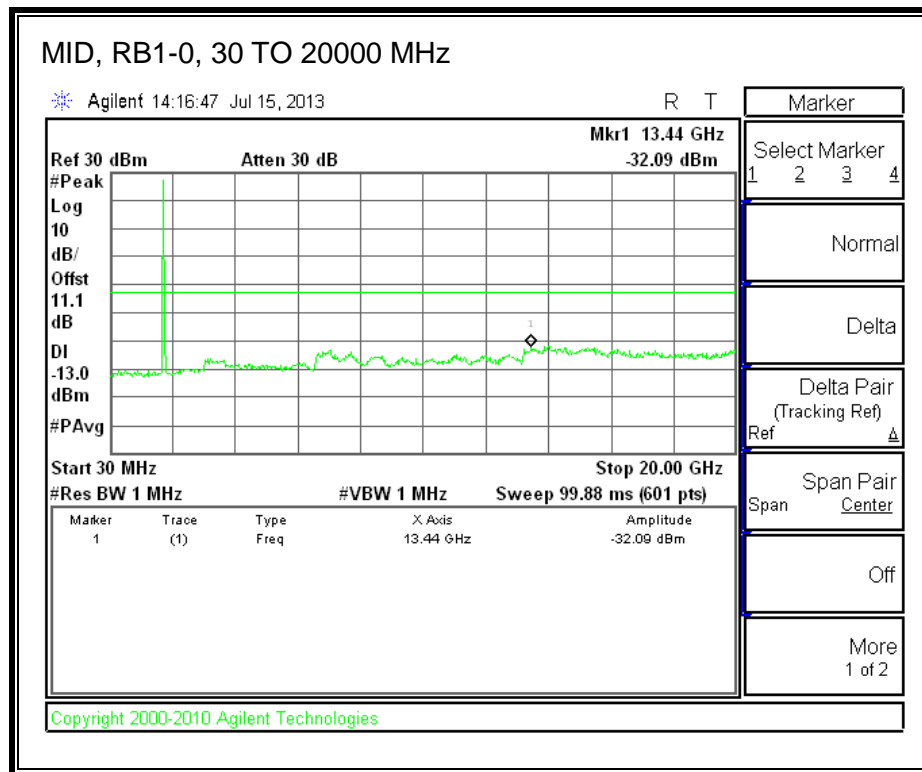
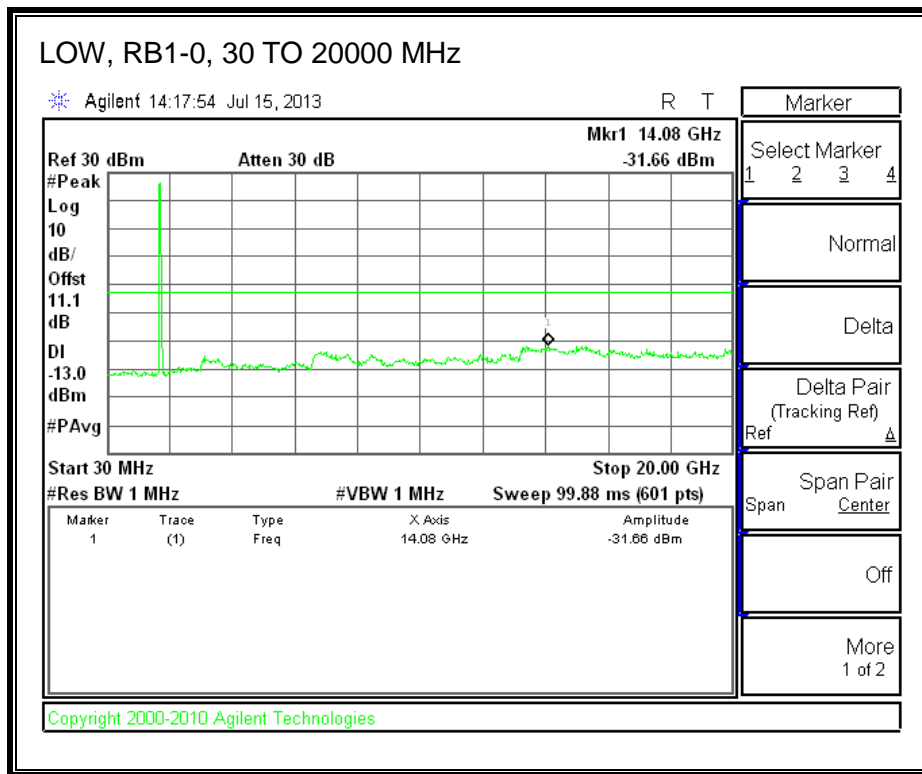


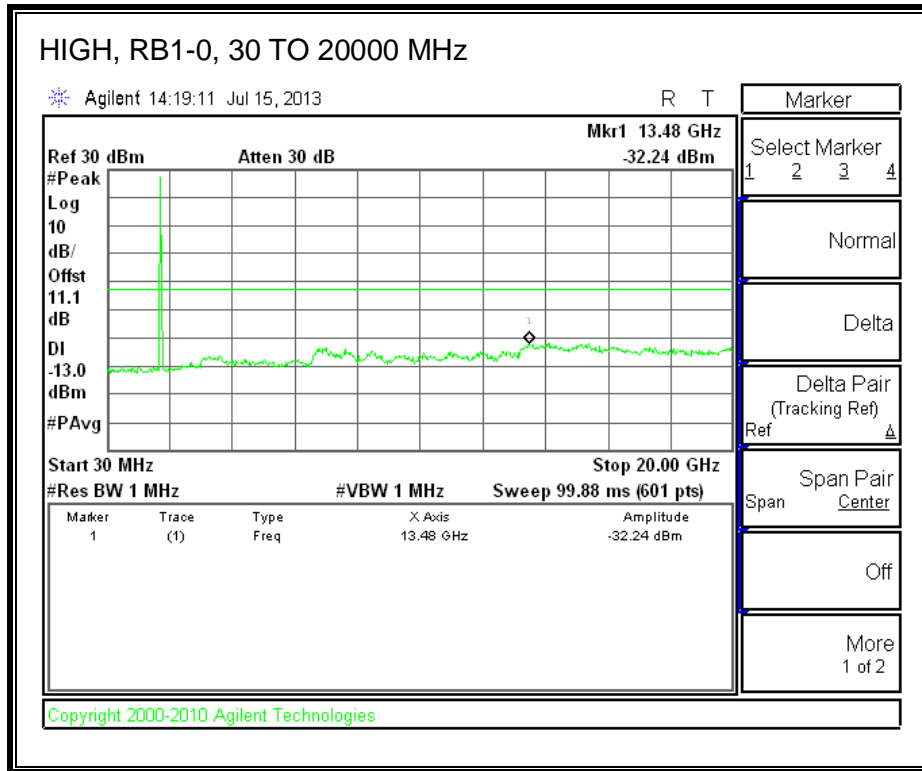
LTE QPSK, 20.0 MHz BAND WIDTH





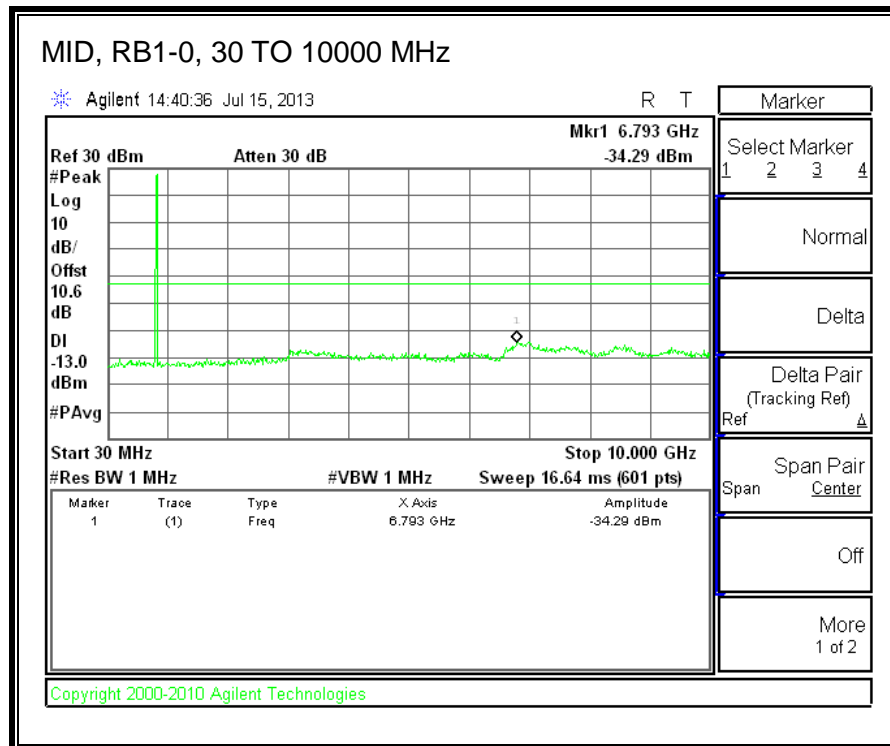
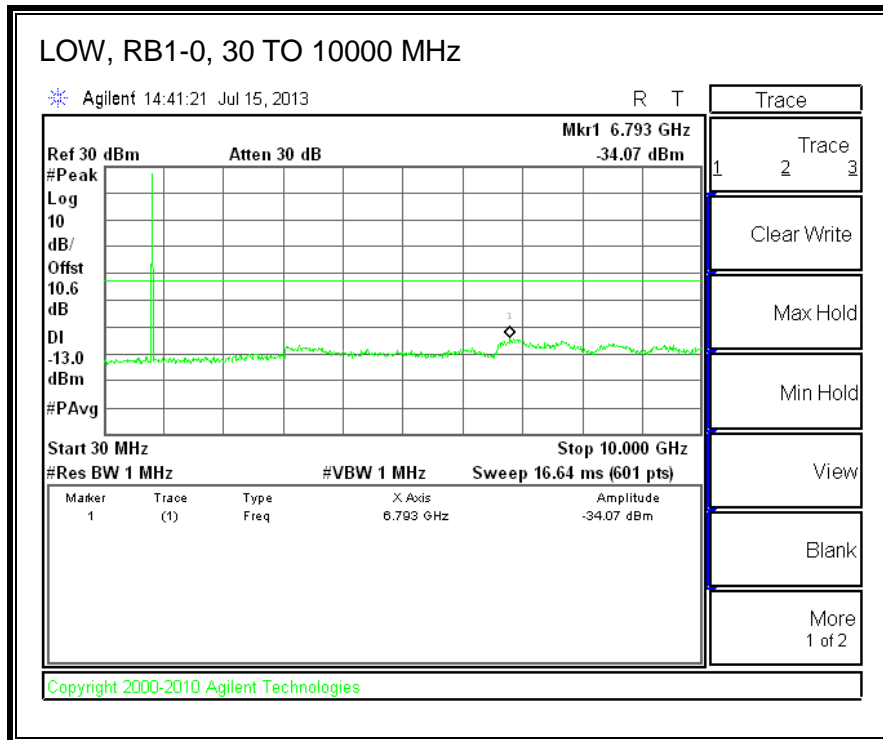
LTE 16QAM

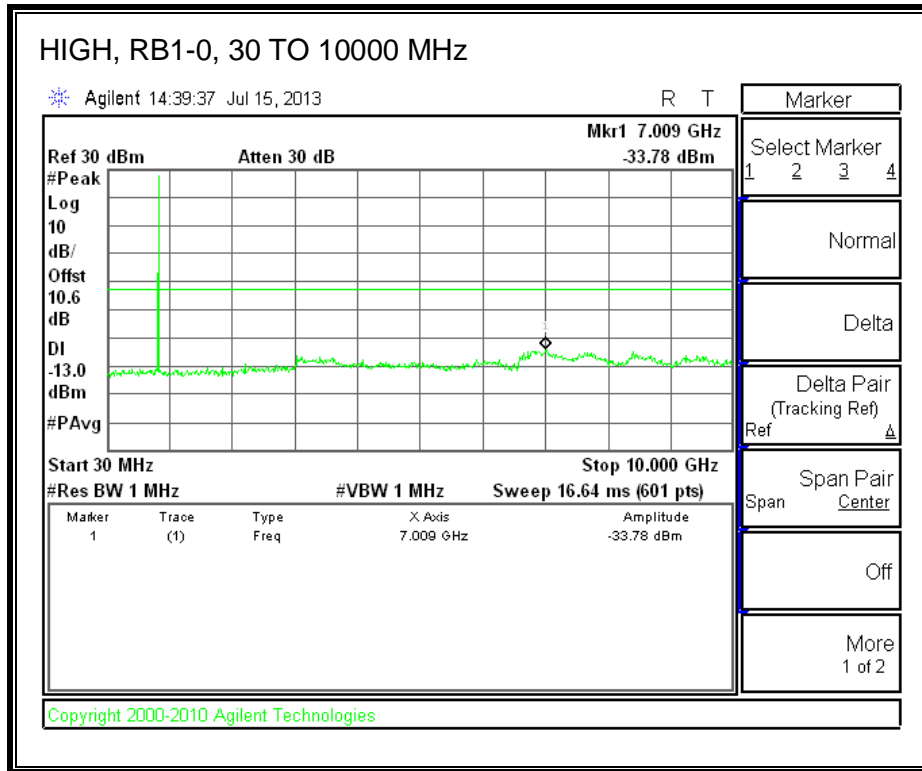




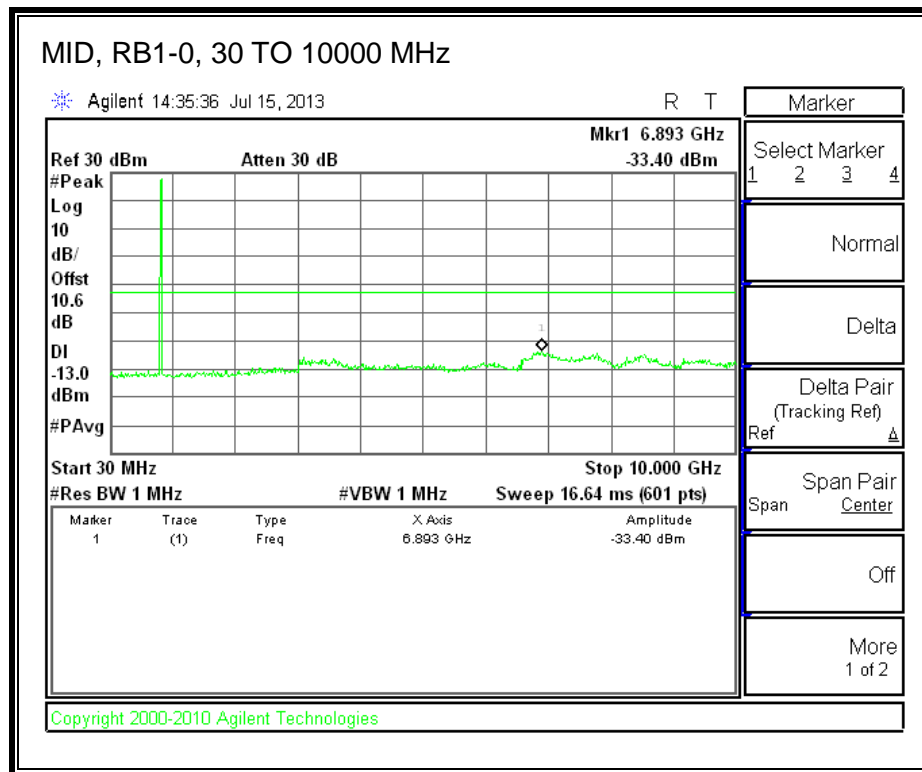
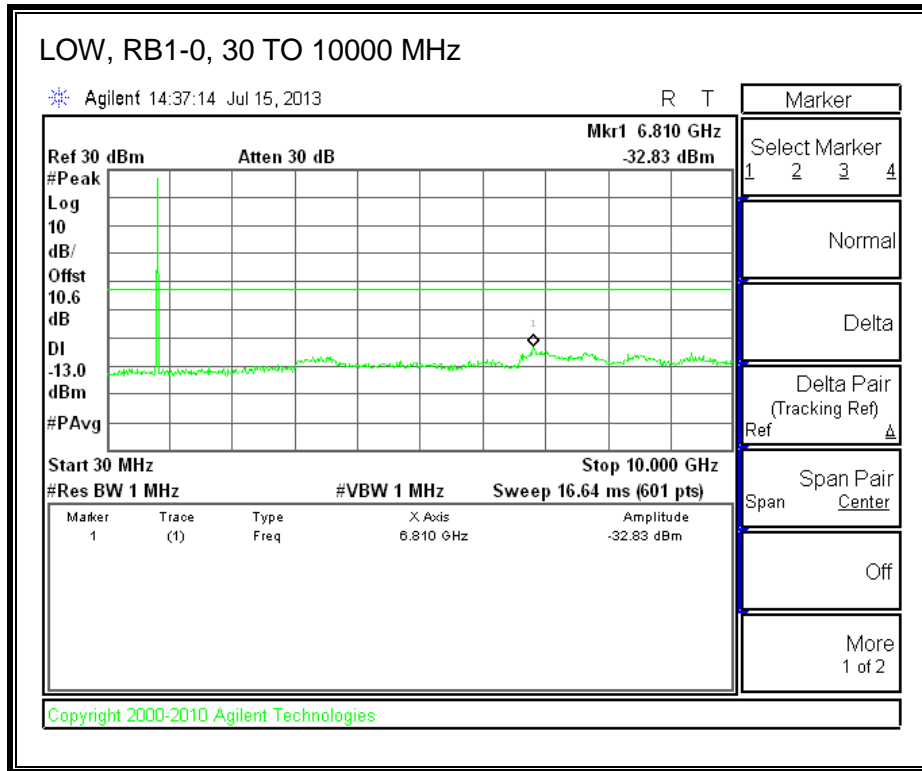
8.3.3. LTE BAND 5

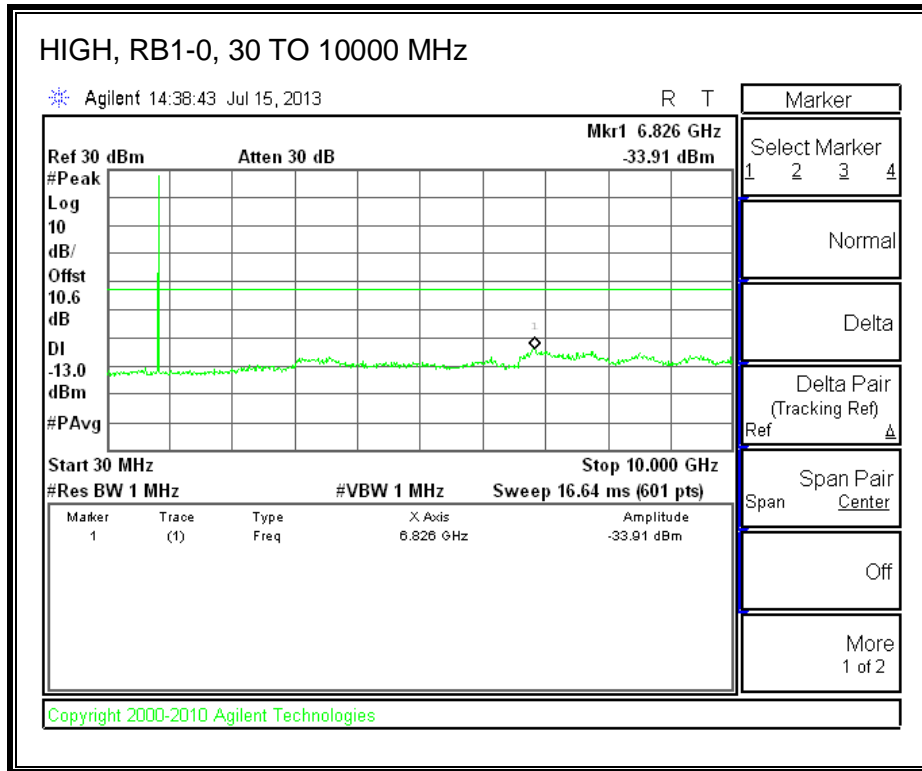
LTE QPSK (1.4 MHz BAND WIDTH)



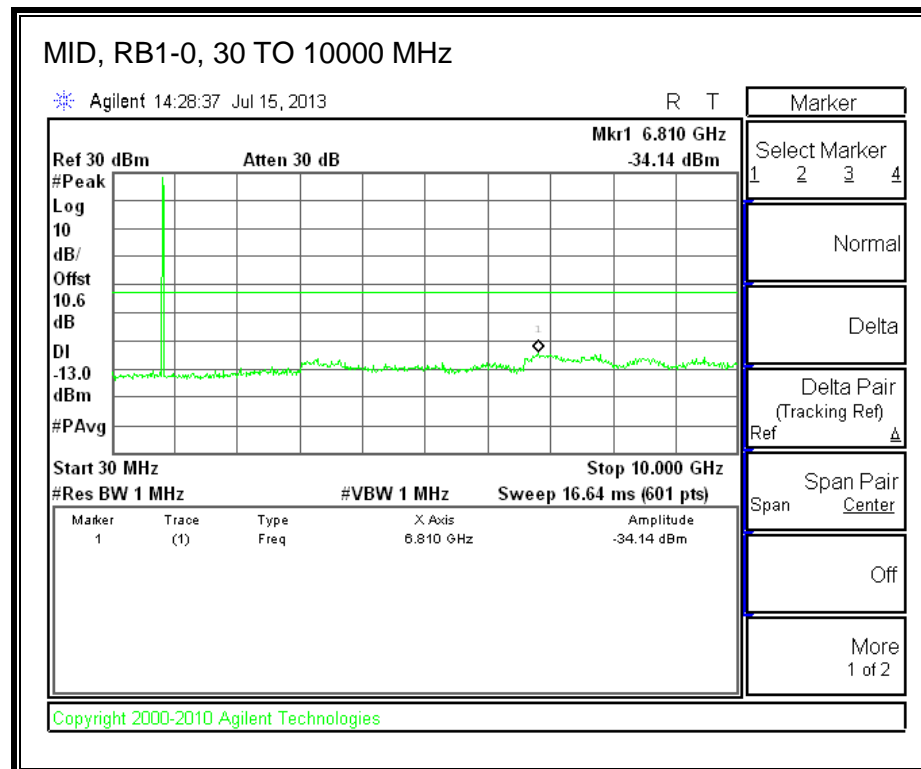
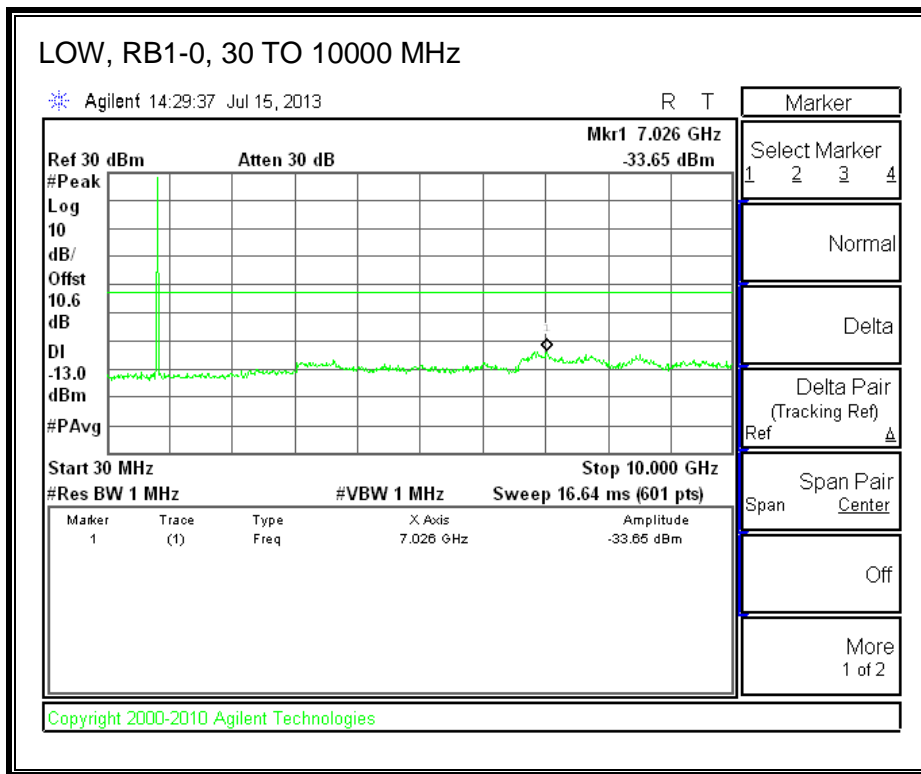


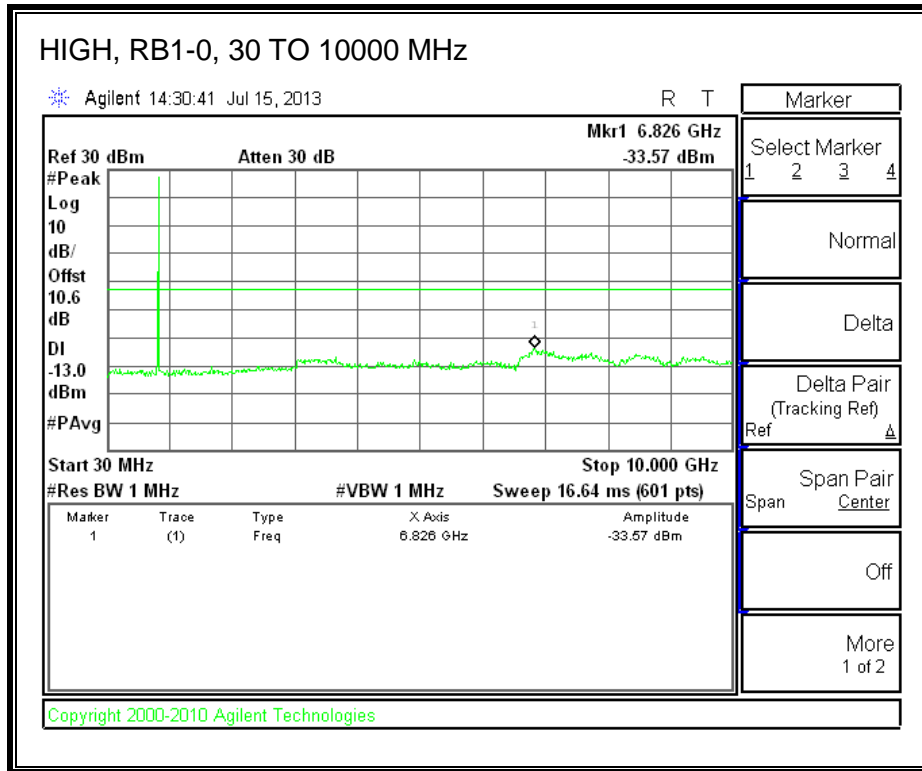
LTE 16QAM



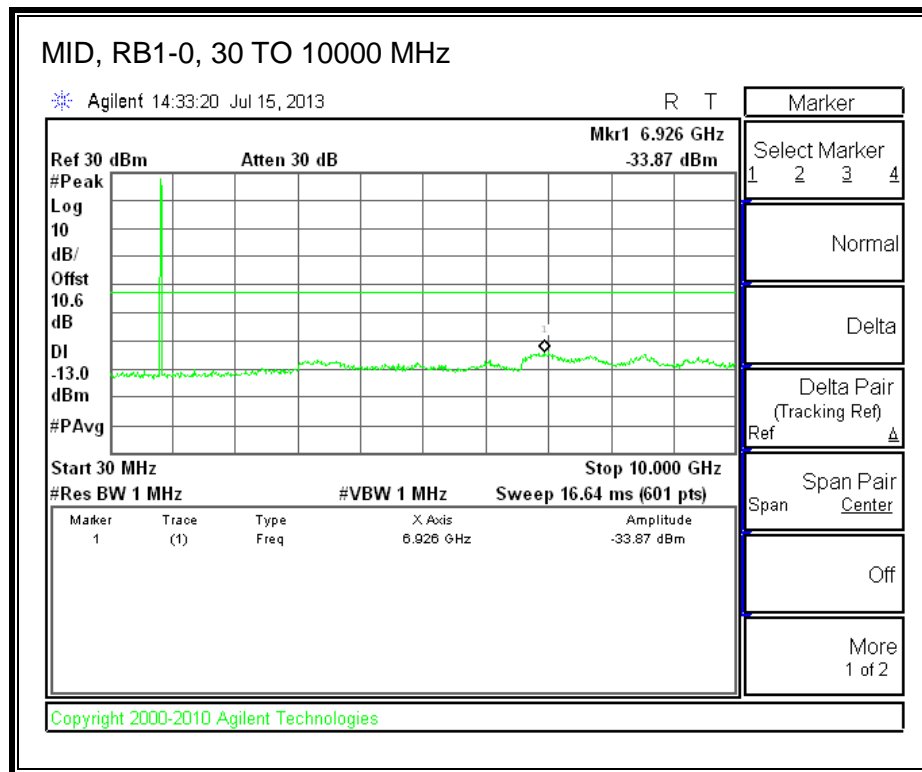
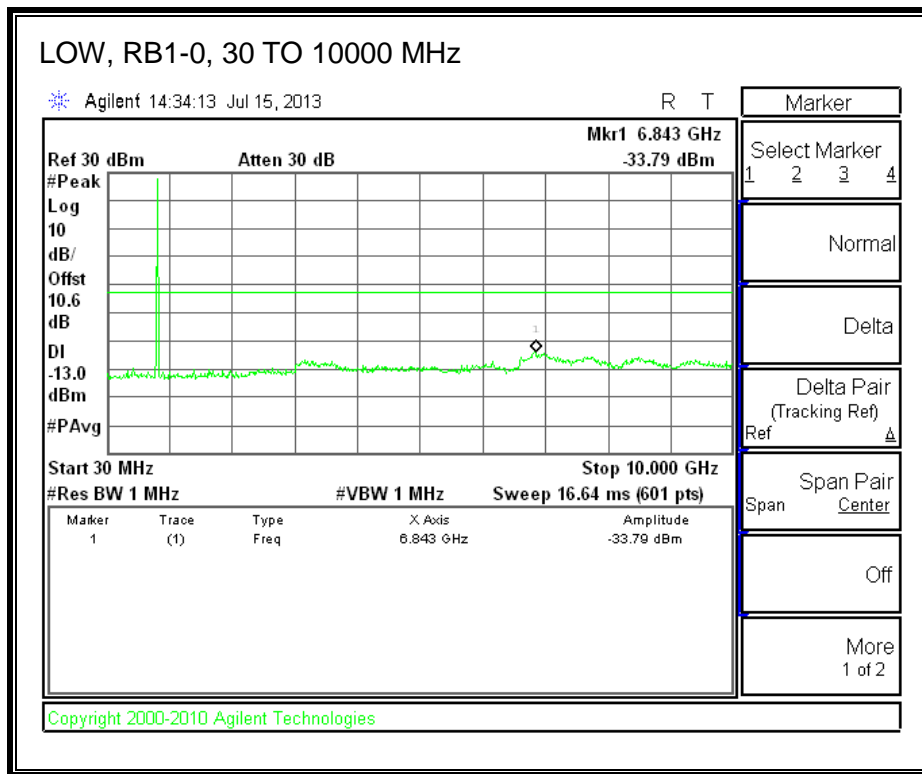


LTE QPSK, 3.0 MHz BAND WIDTH

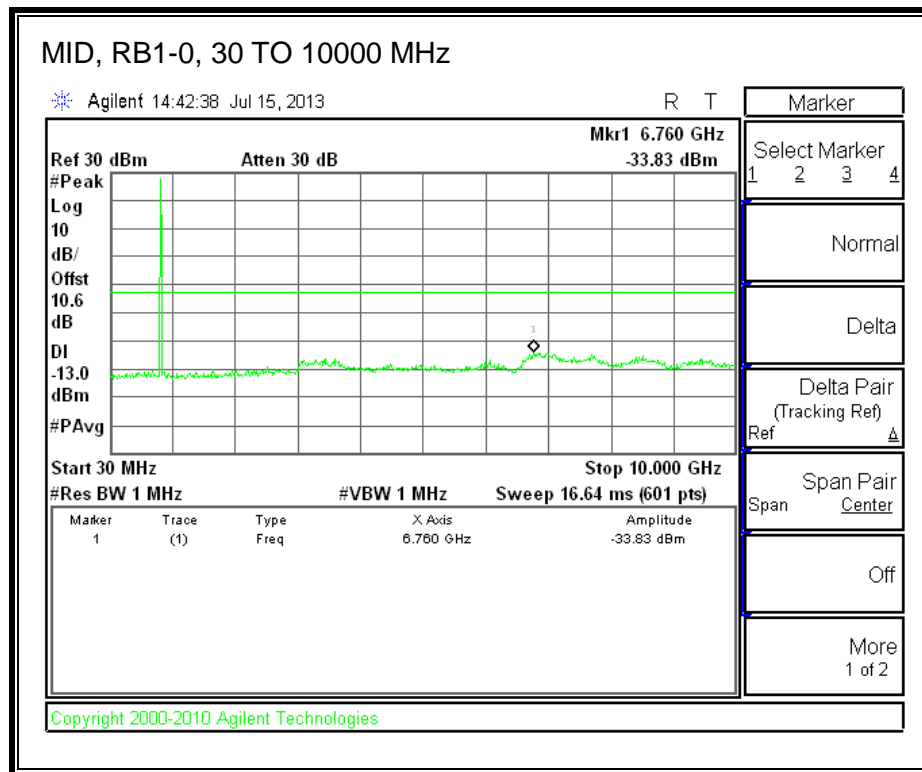
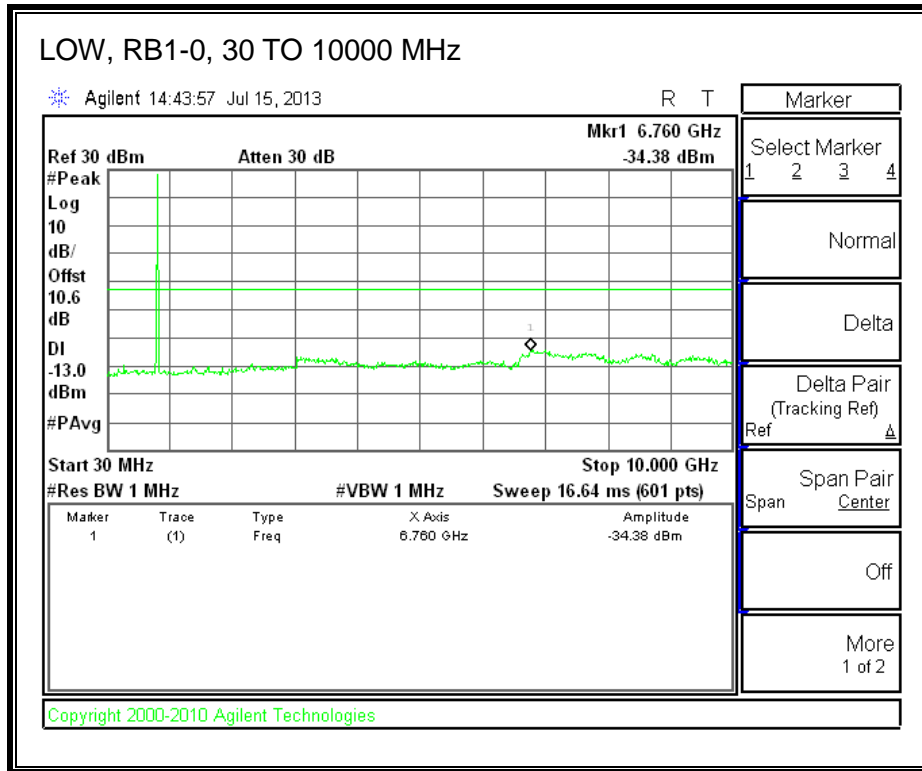


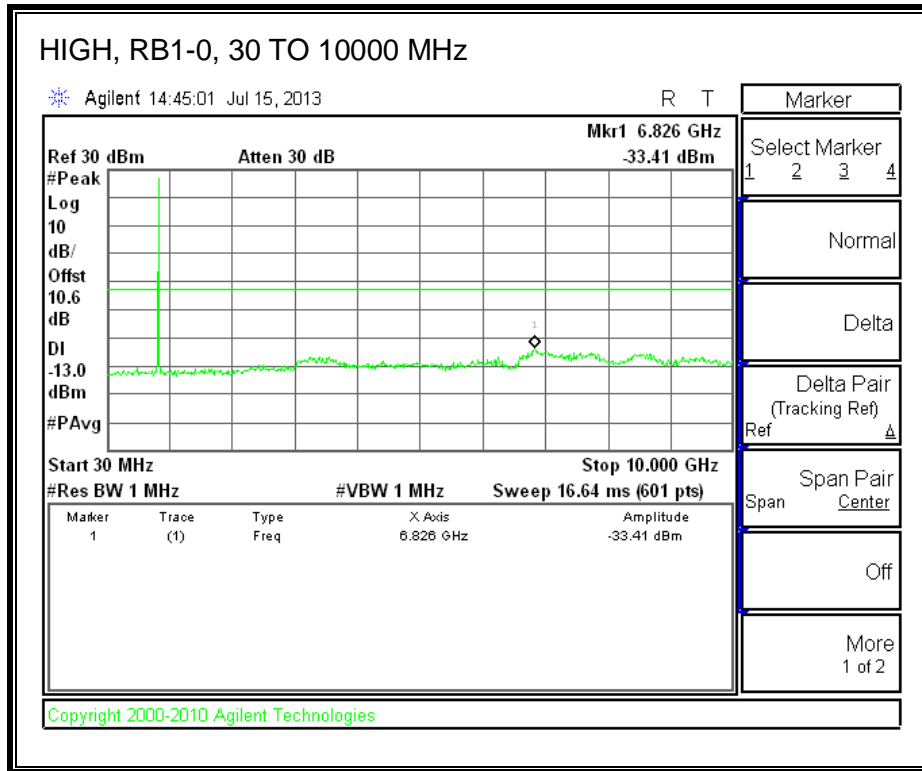


LTE 16QAM

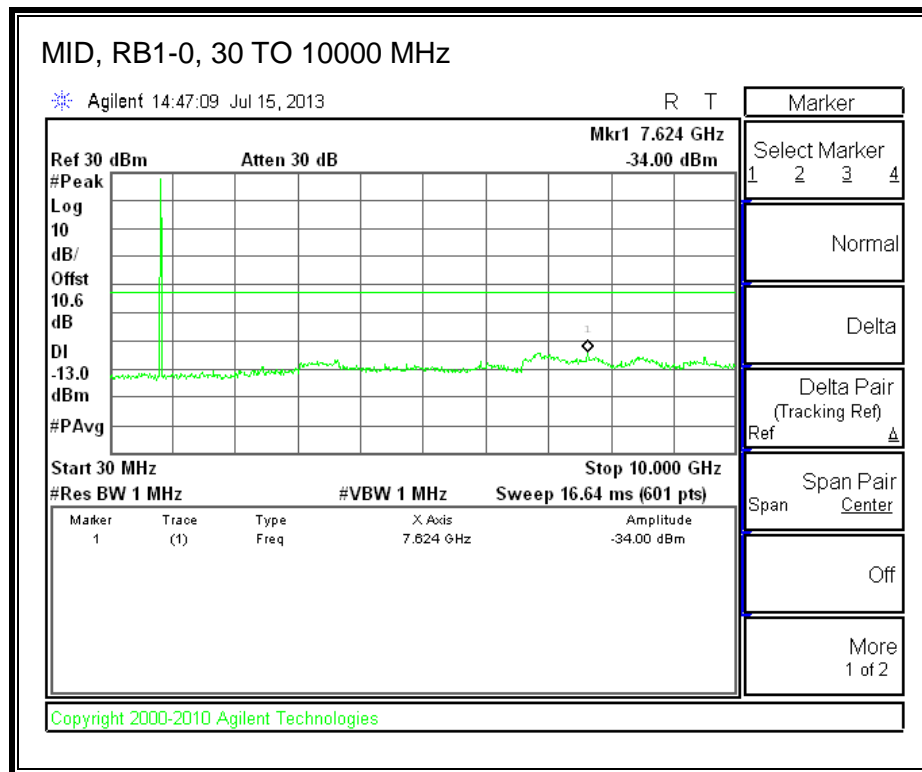
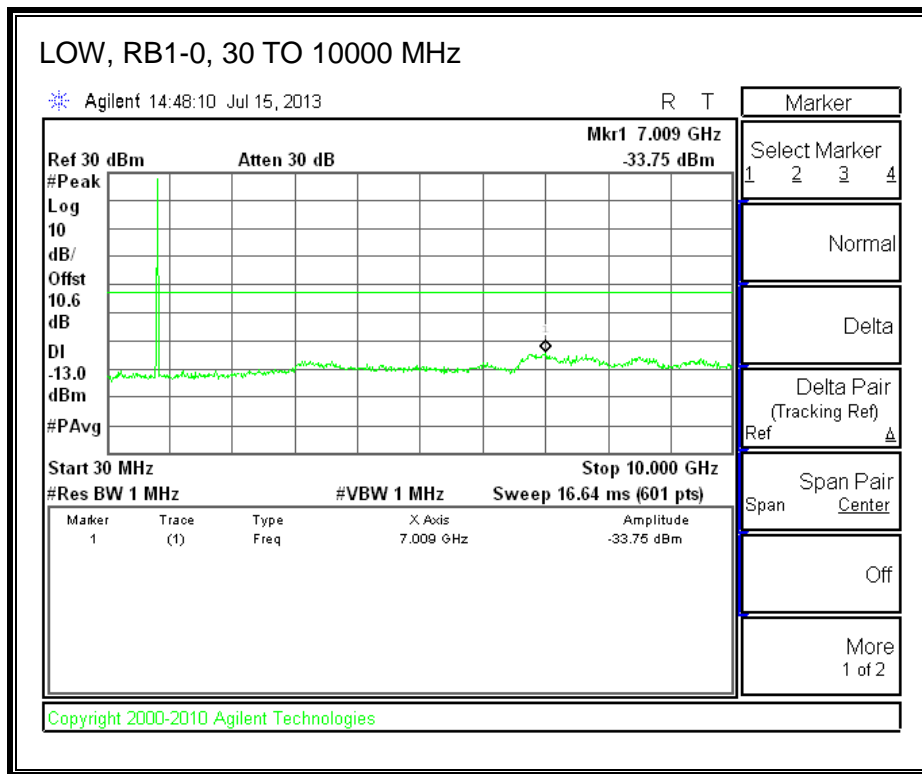


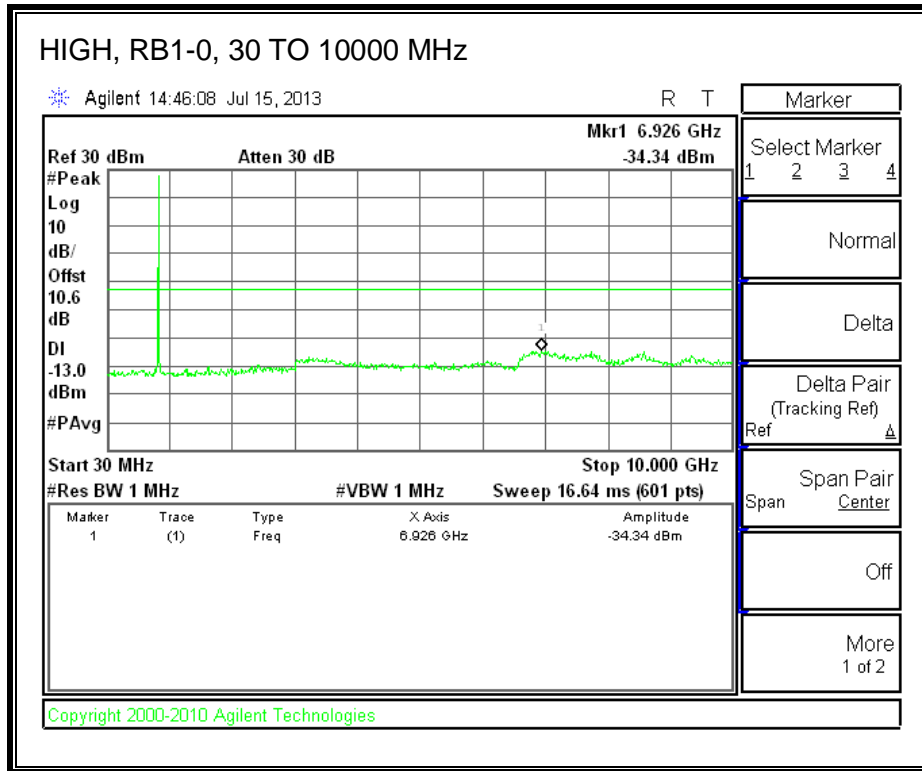
LTE QPSK, 5.0 MHz BAND WIDTH



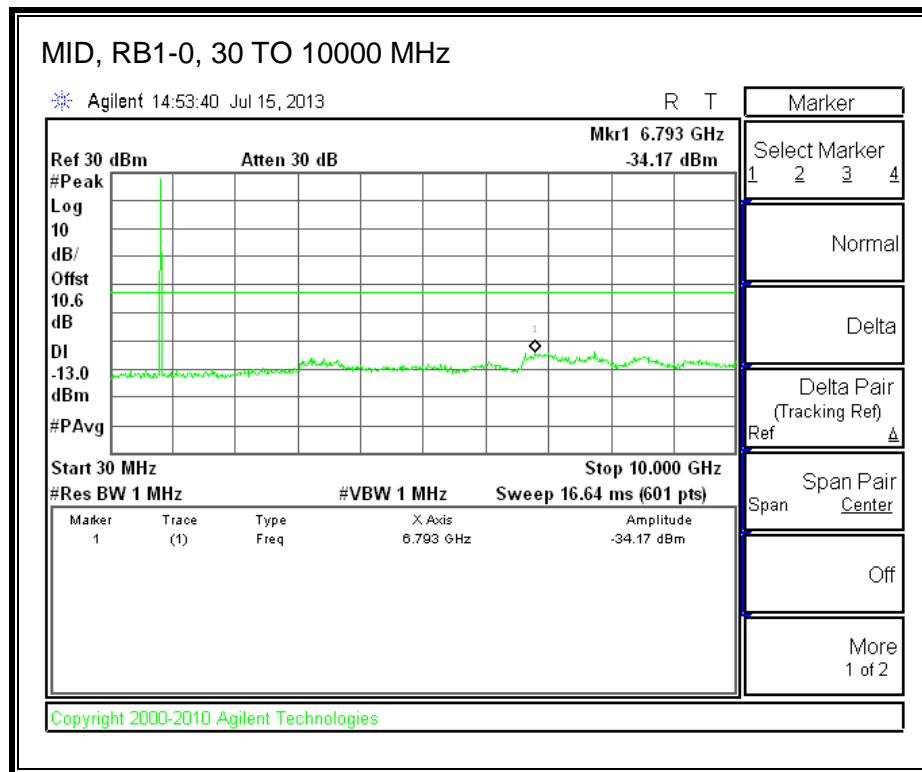
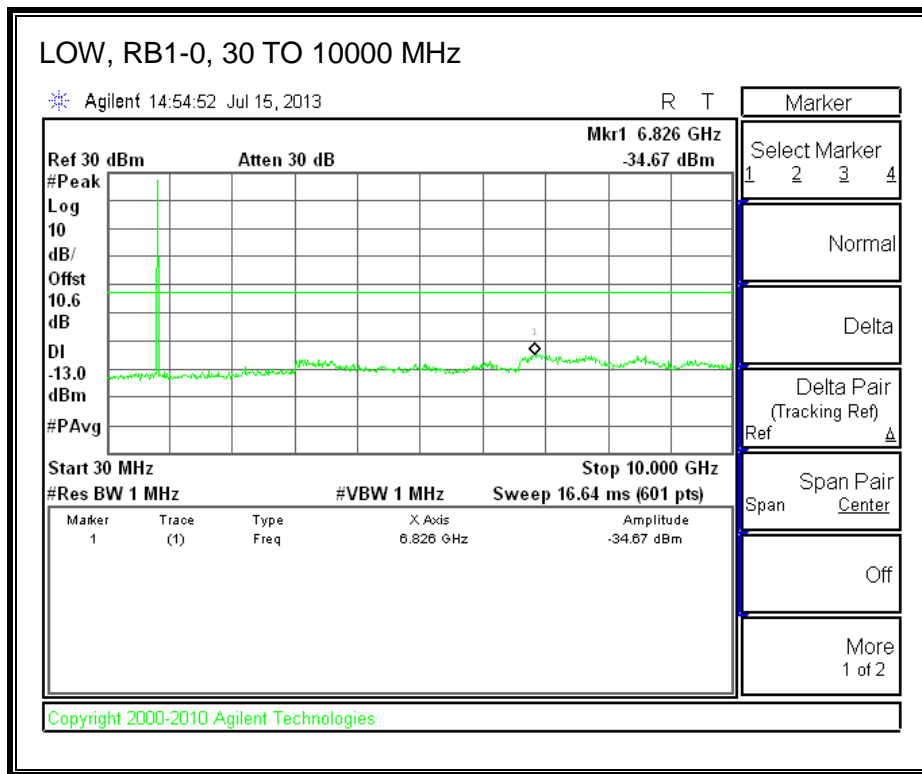


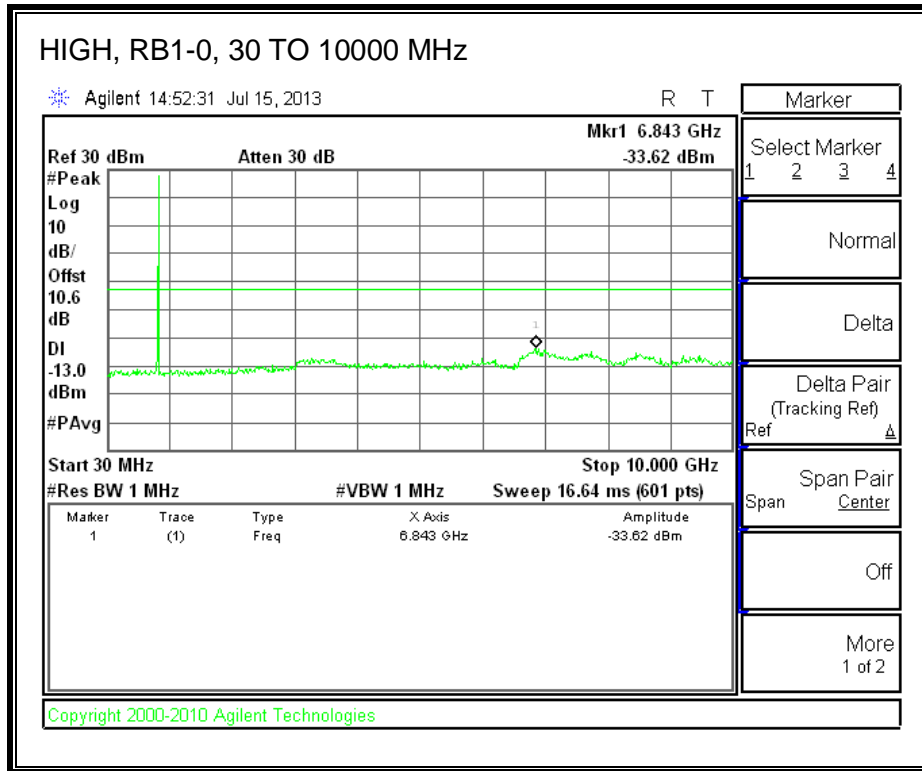
LTE 16QAM



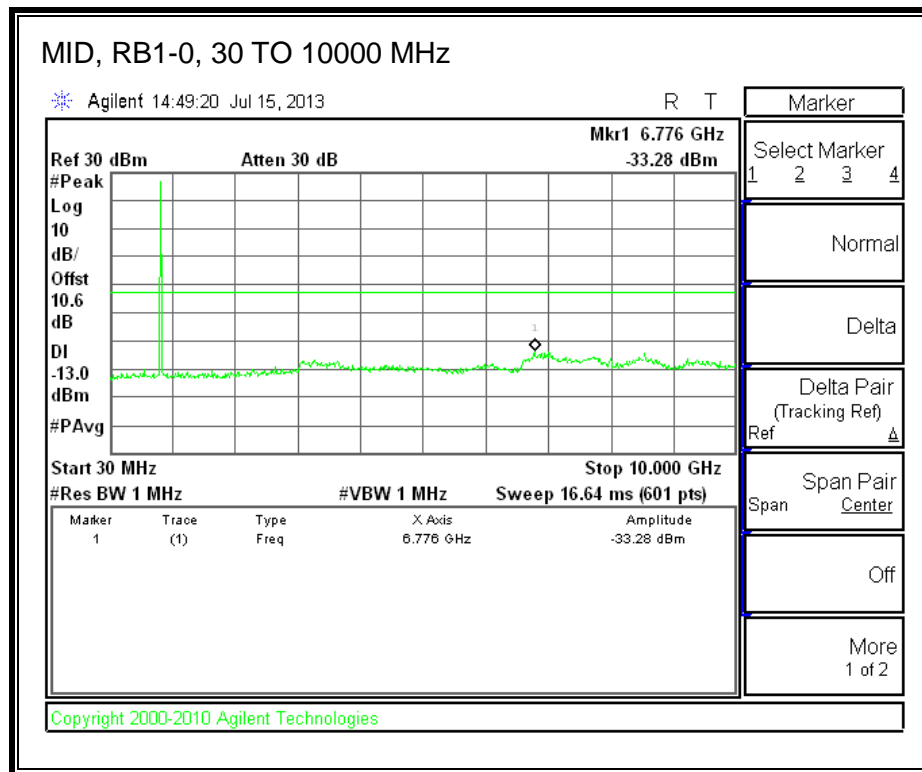
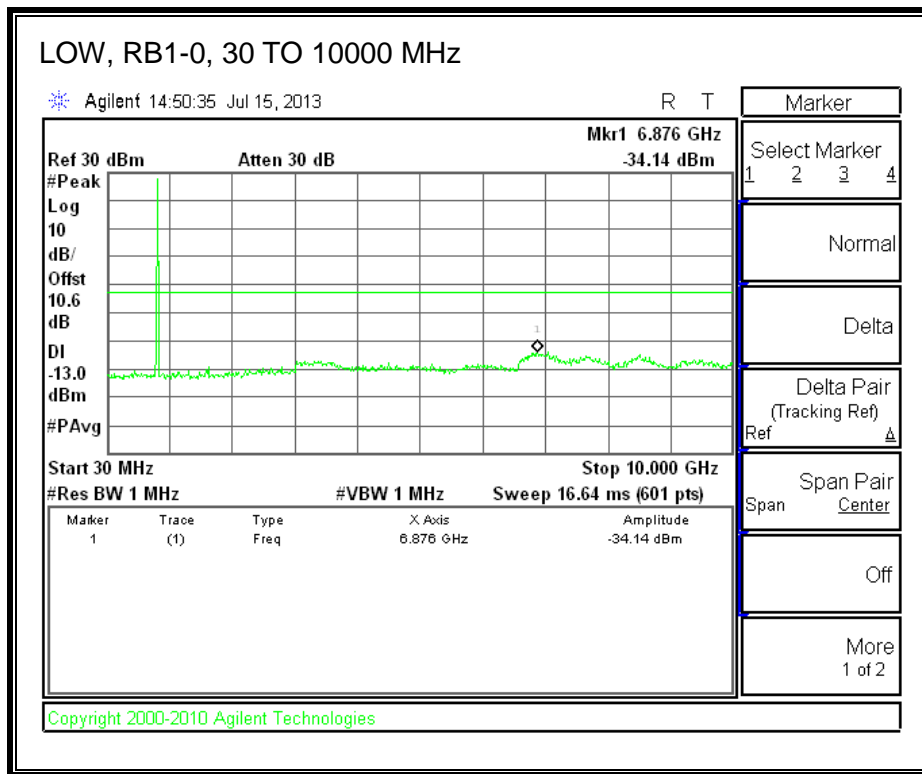


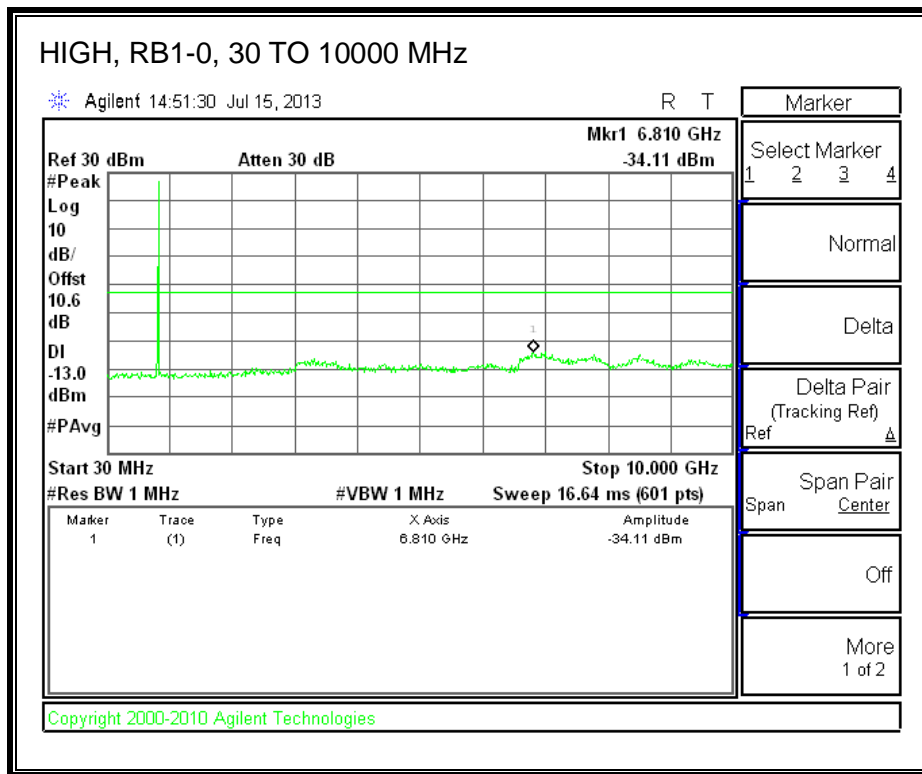
LTE QPSK, 10.0 MHz BAND WIDTH





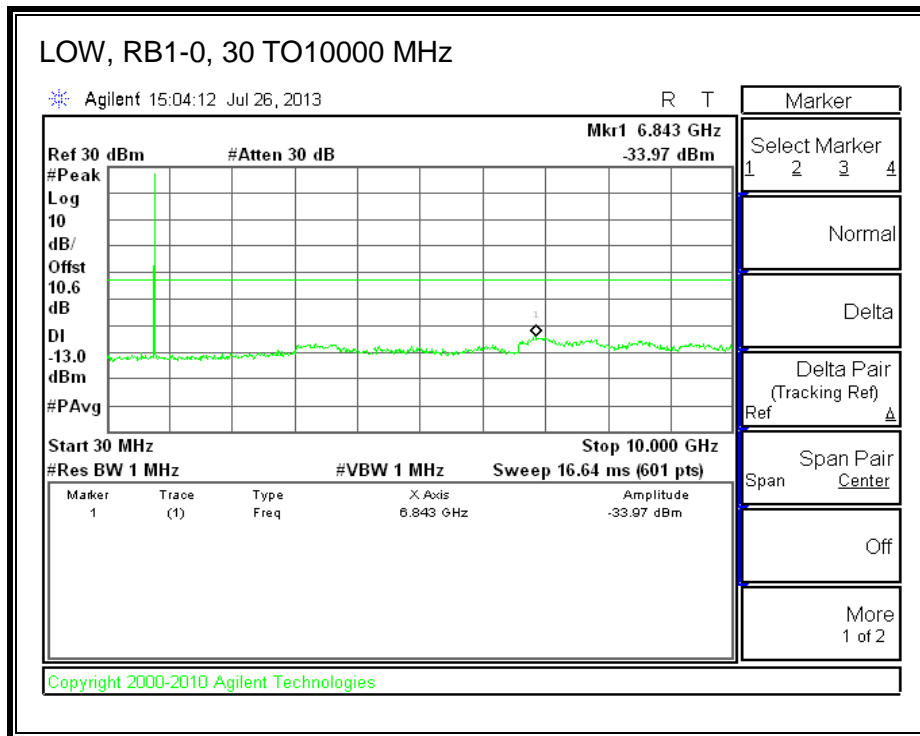
LTE 16QAM



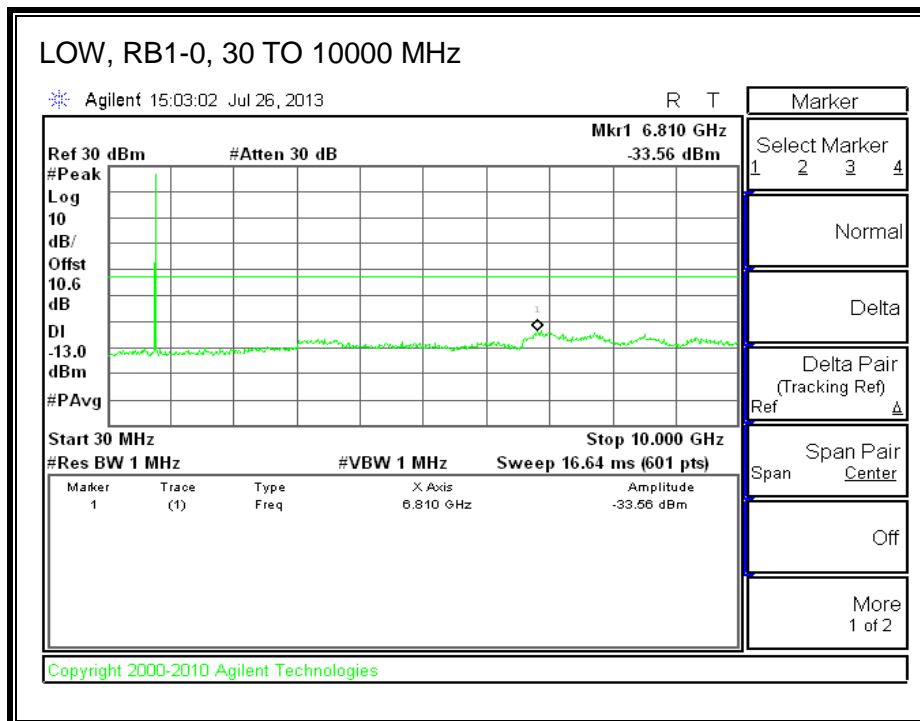


8.3.4. LTE BAND 13

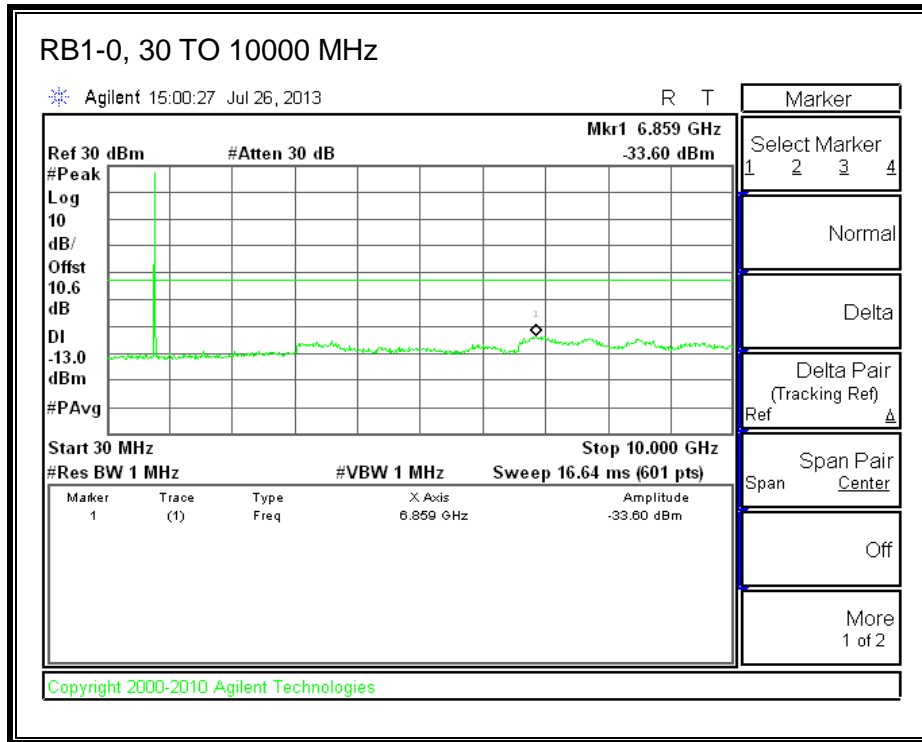
LTE QPSK, 779.5 (5.0 MHz BAND WIDTH)



LTE 16QAM



LTE QPSK, 782MHz (5.0 MHz BAND WIDTH)



LTE 16QAM

