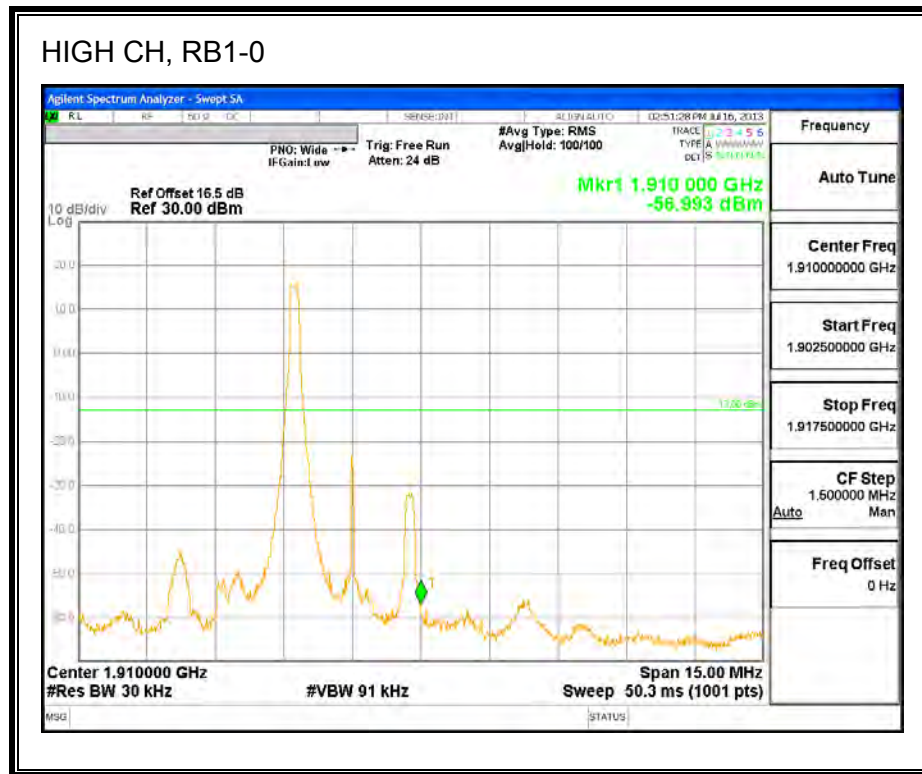
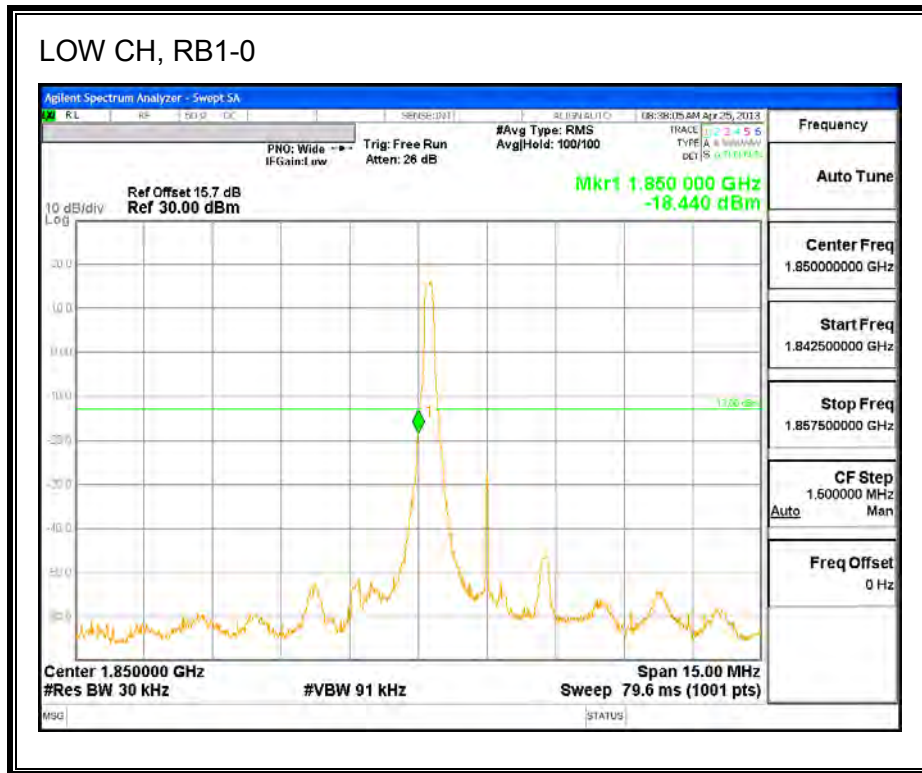
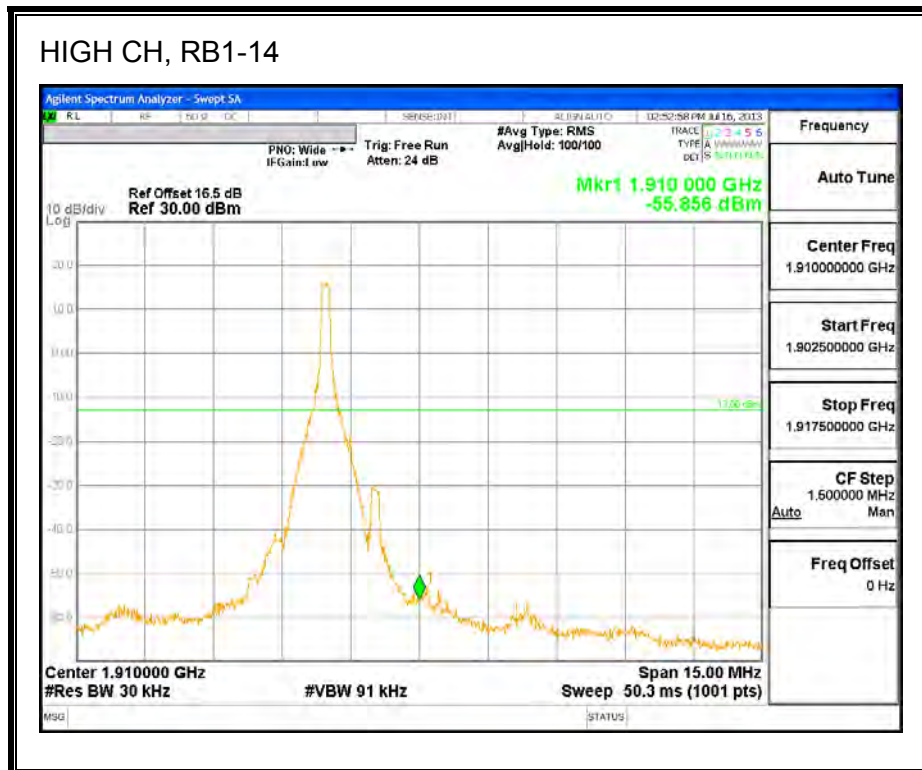
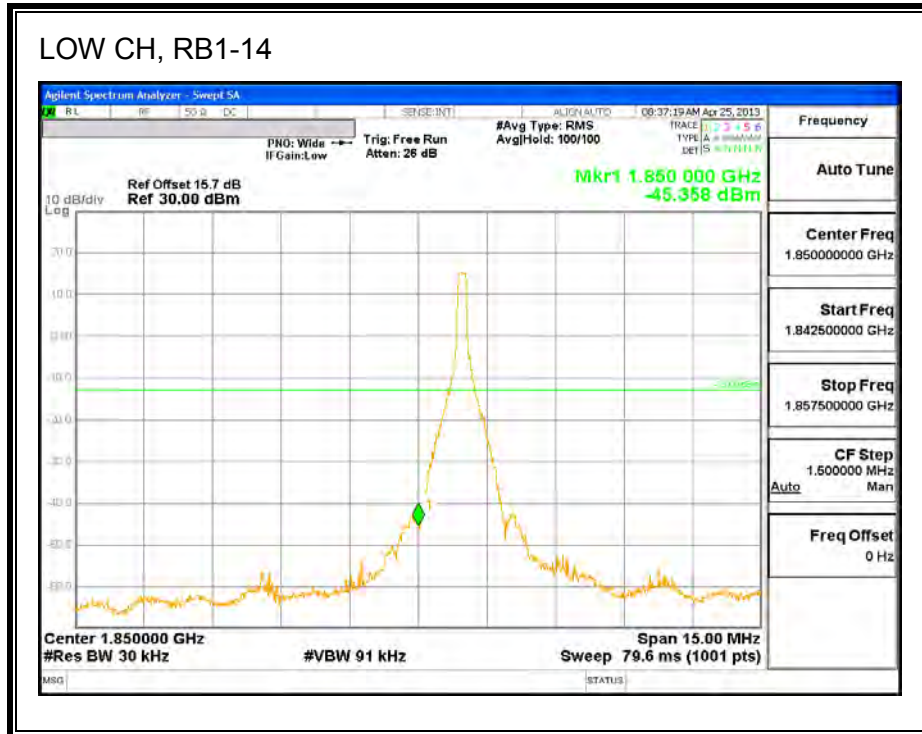
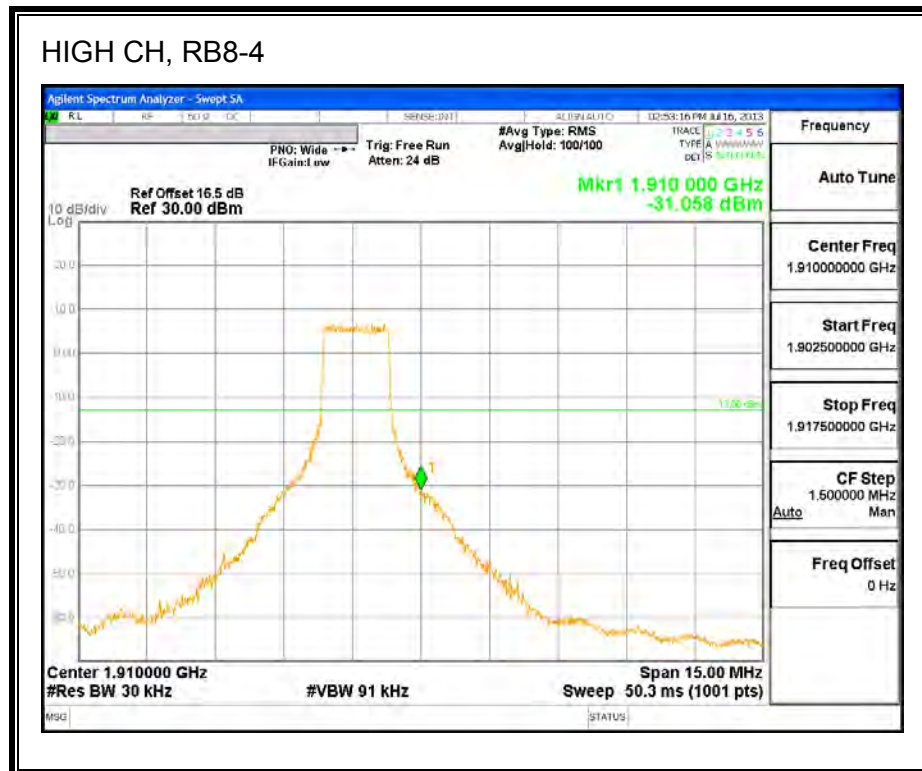
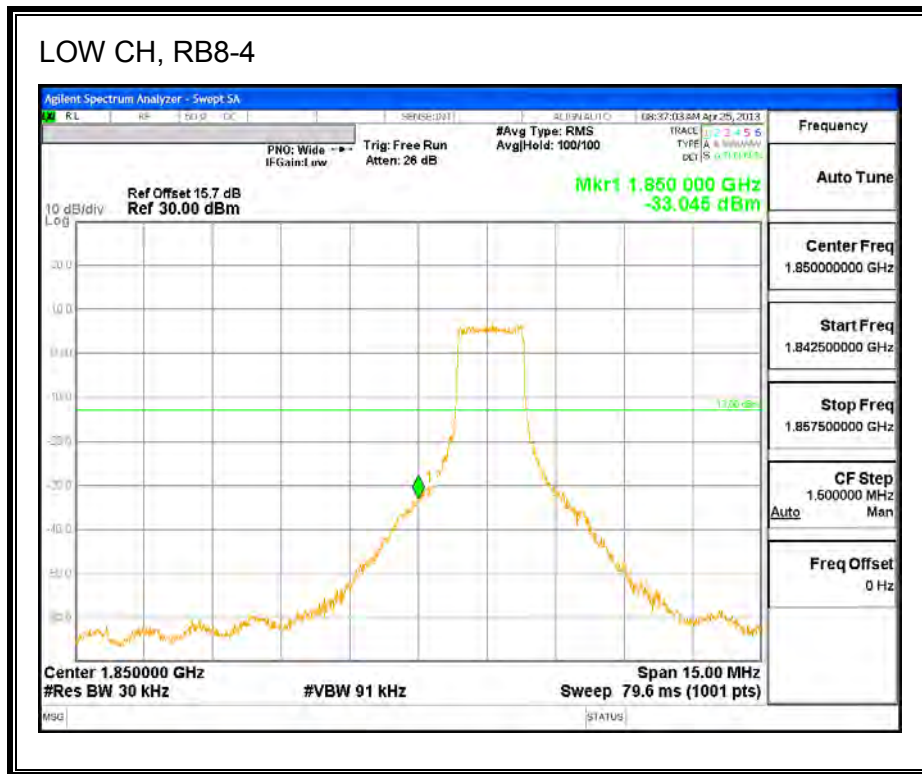
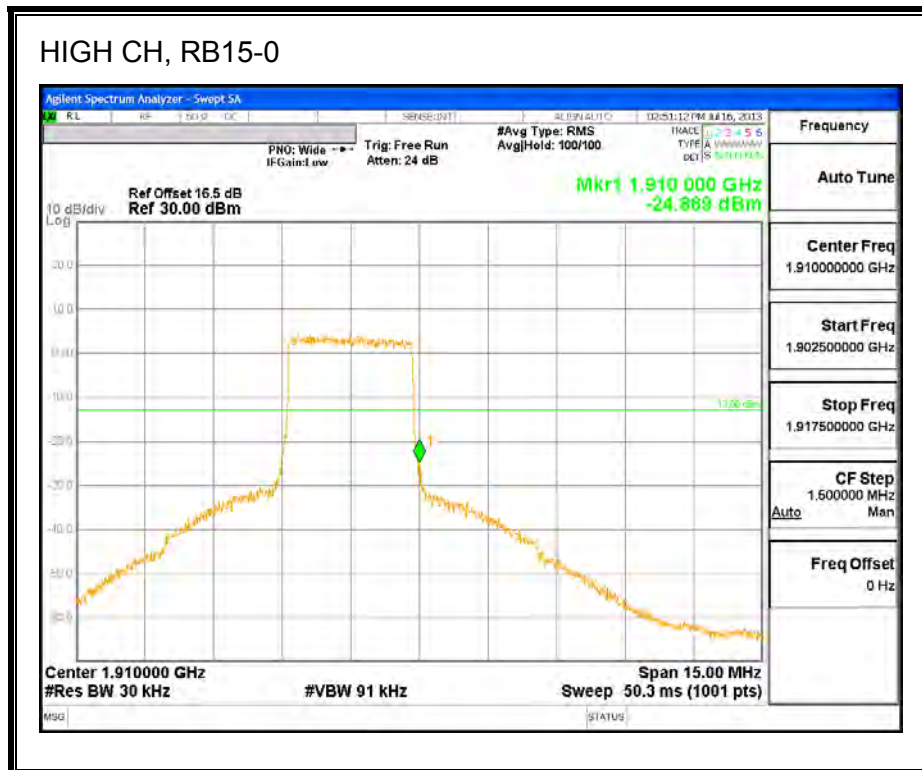
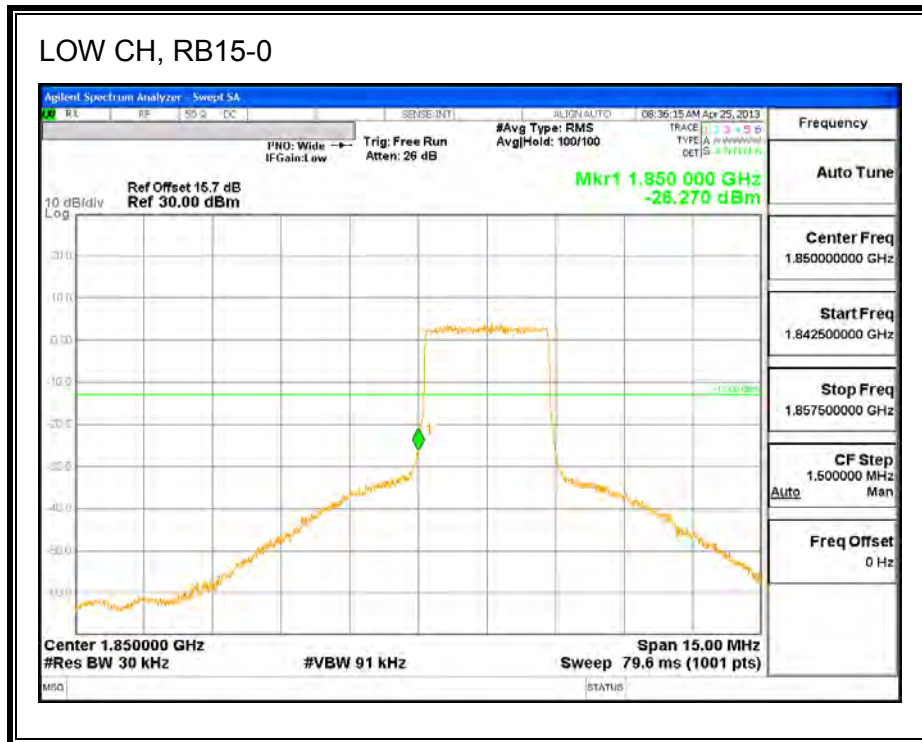


16QAM Band 2 (3 MHz BANDWIDTH)

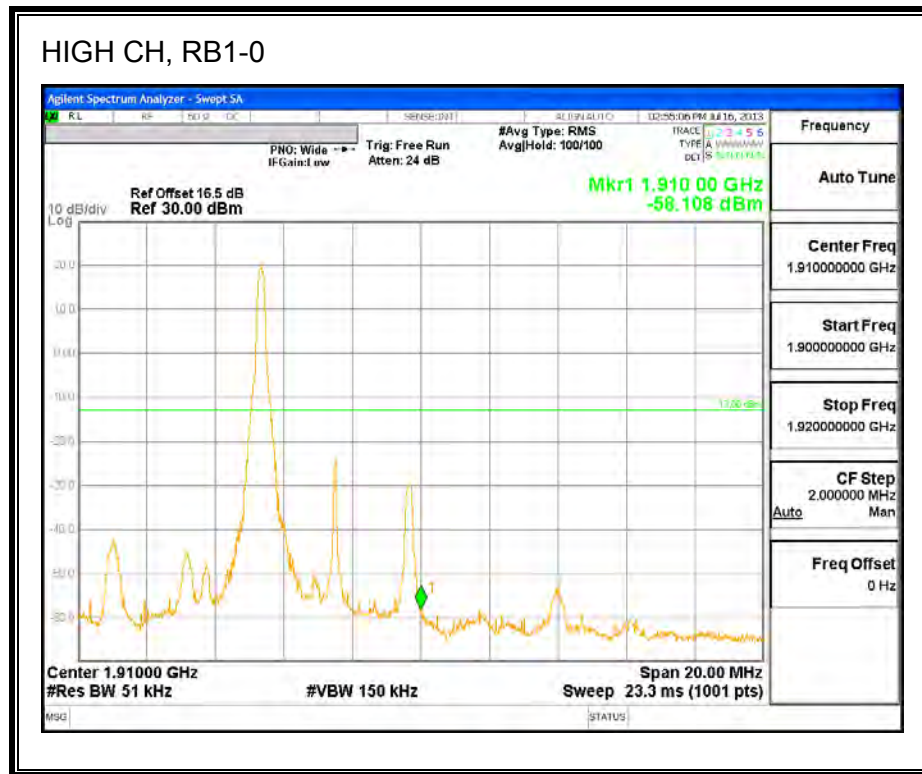
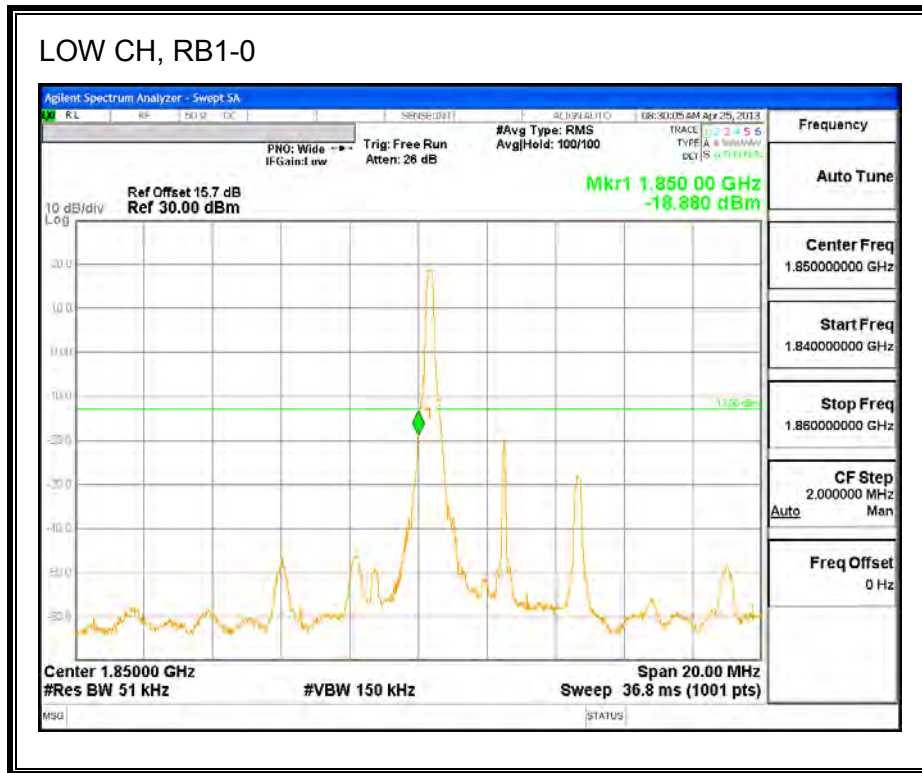


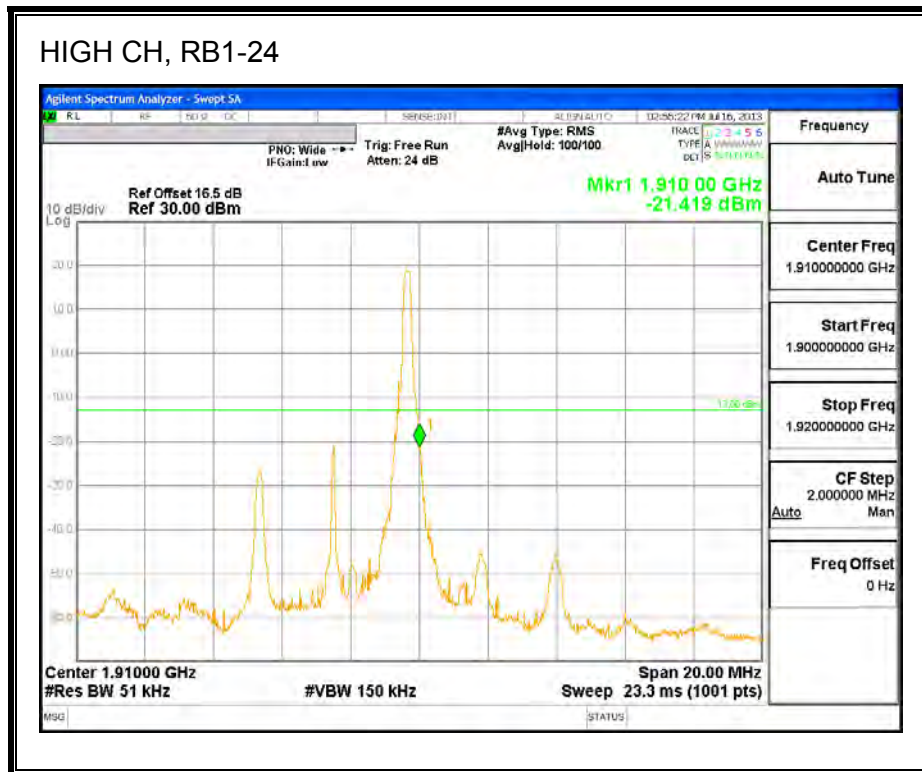
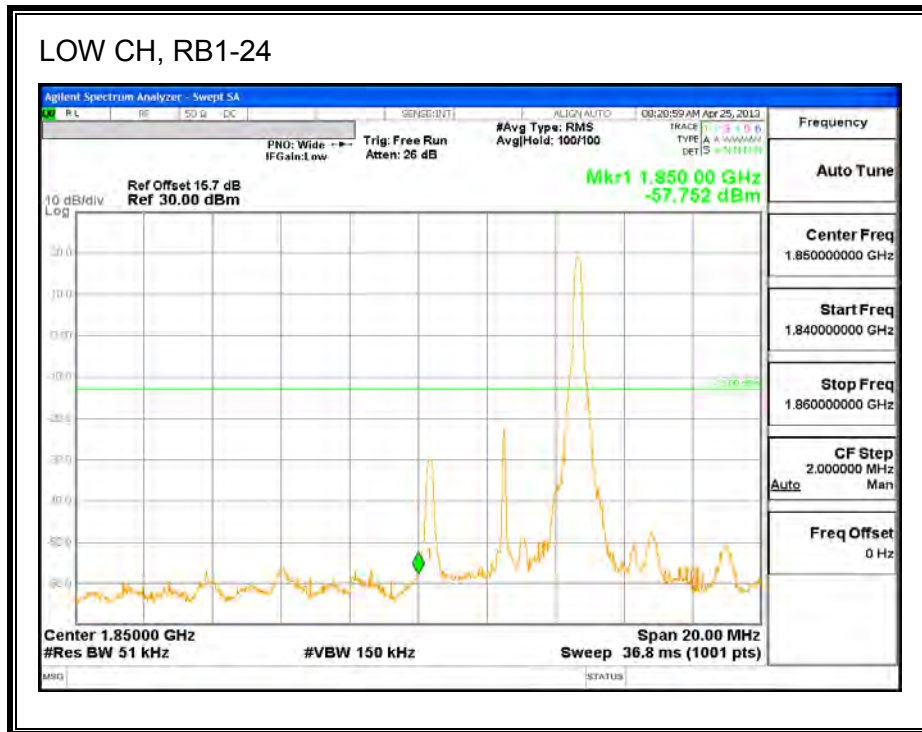


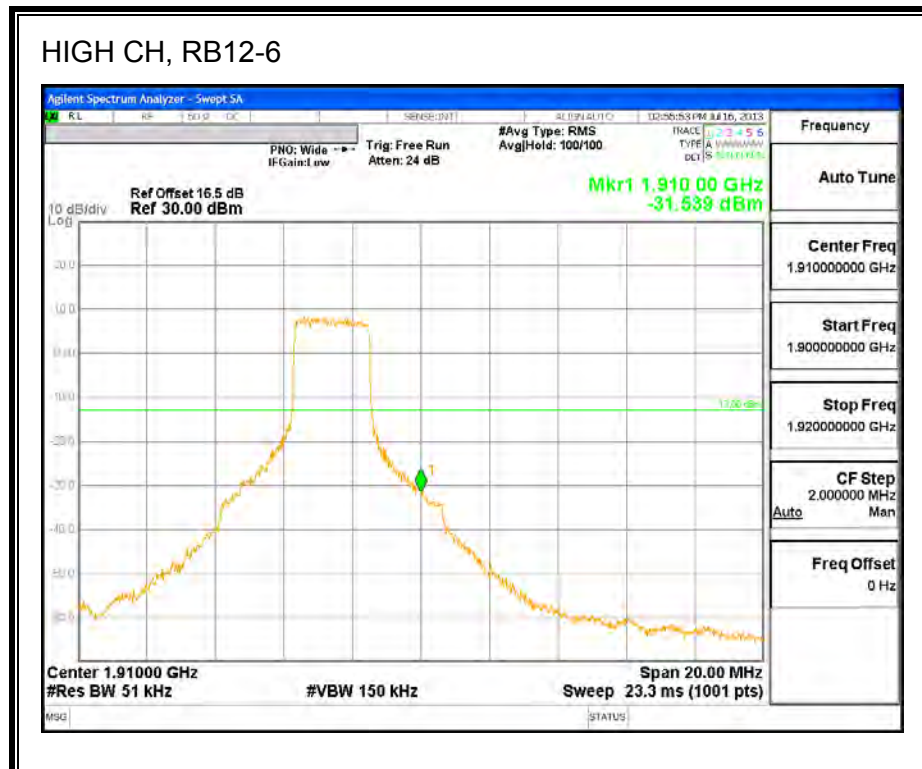
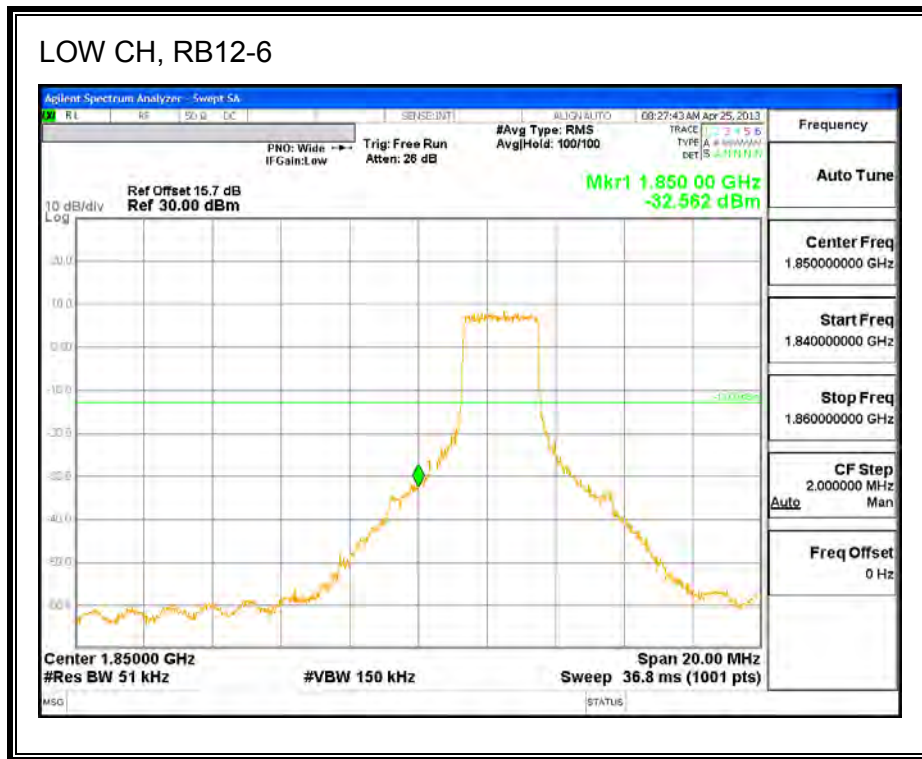


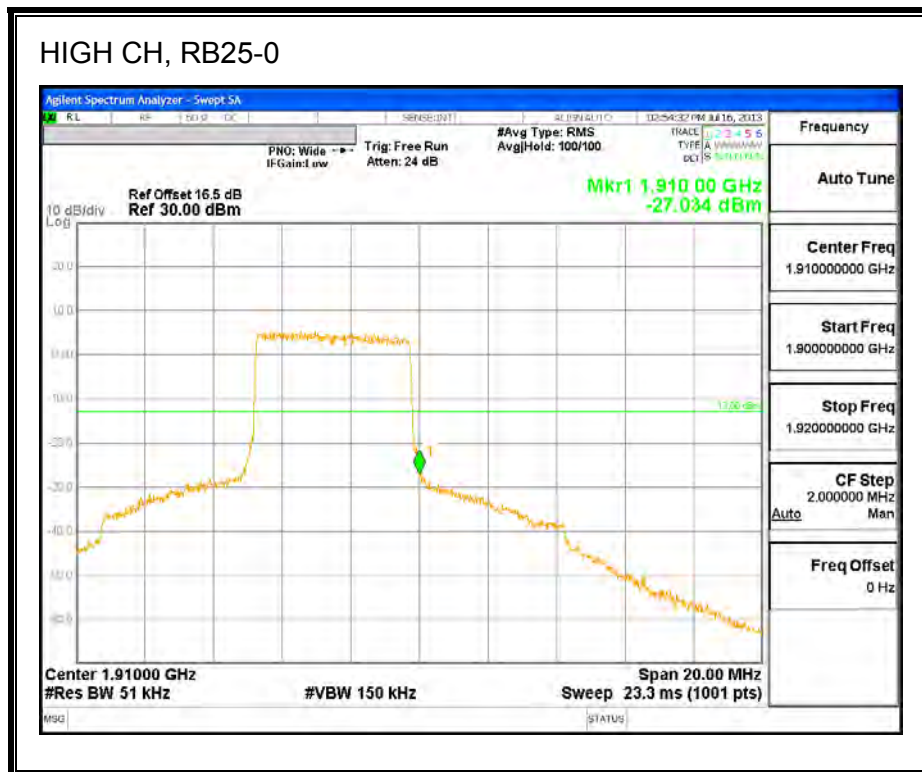
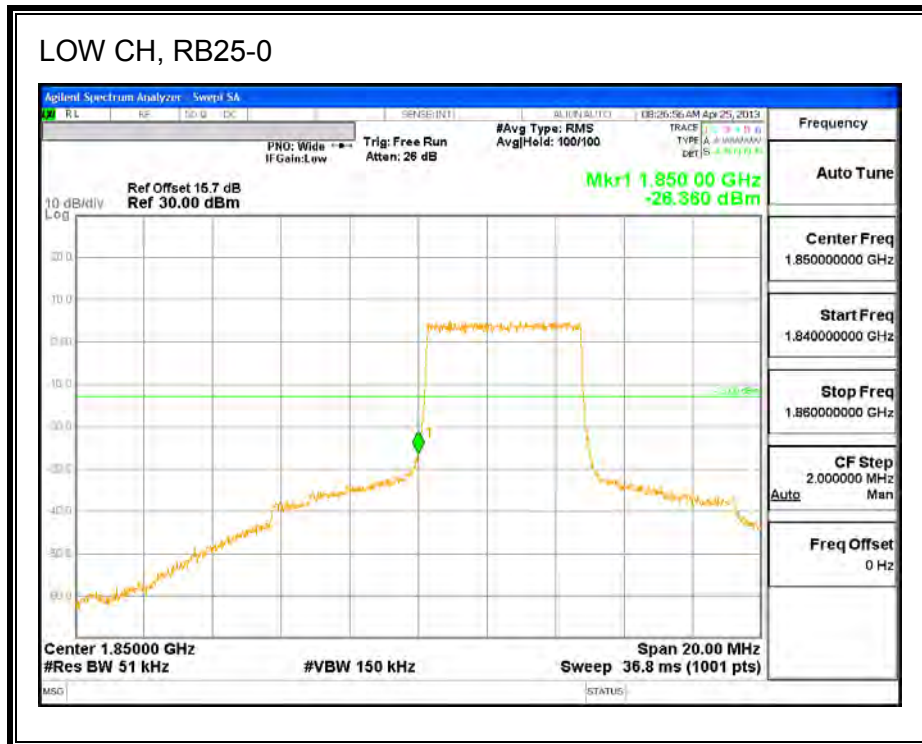


QPSK Band 2 (5 MHz BANDWIDTH)

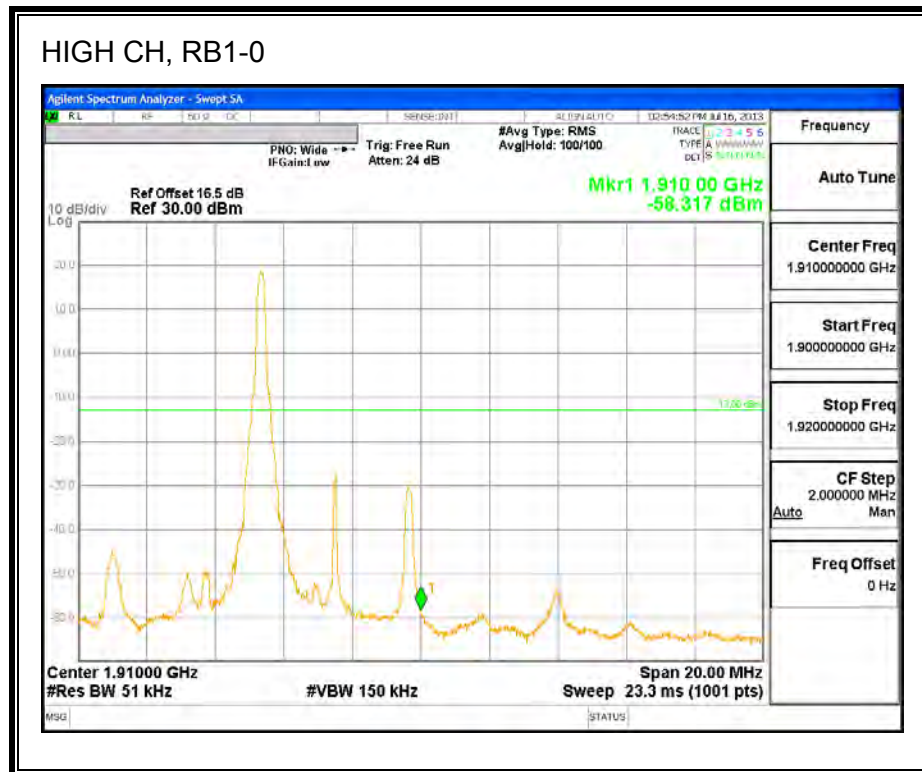
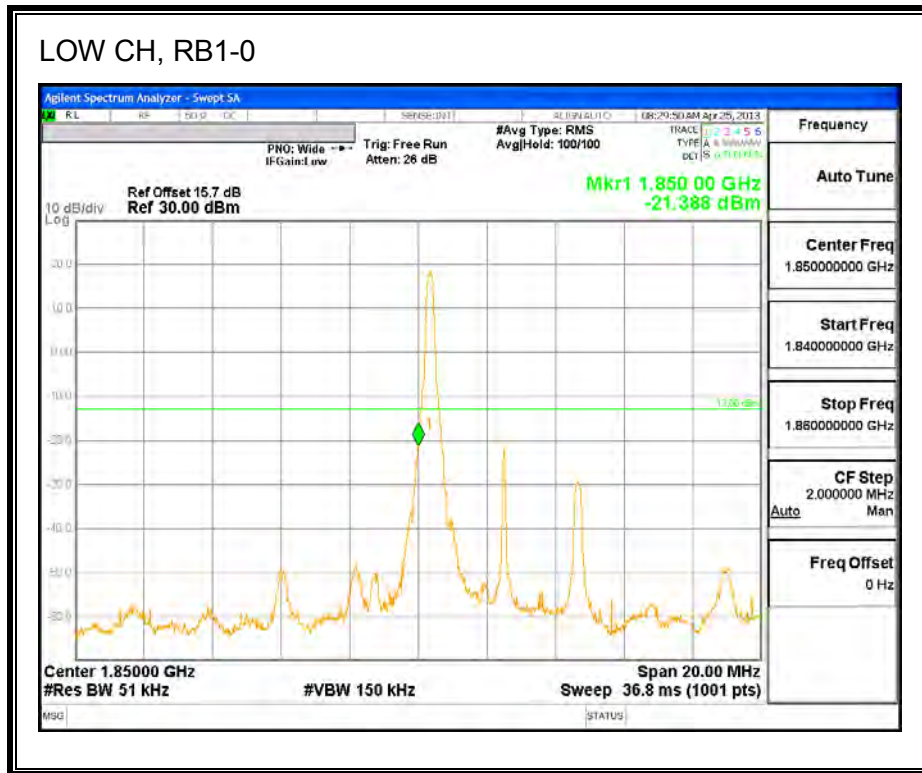


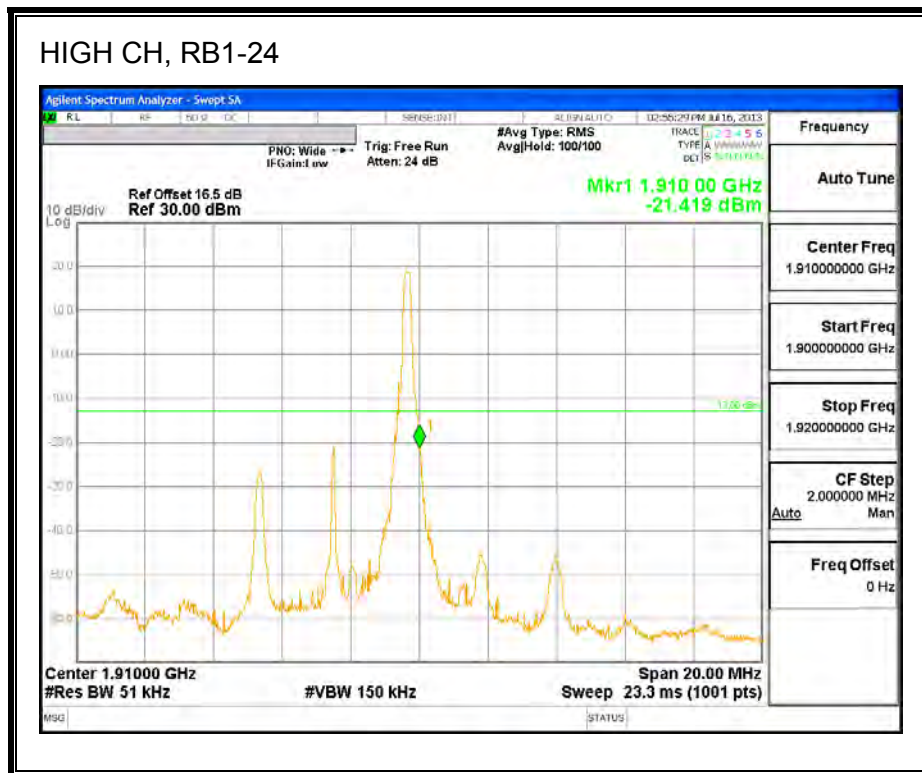
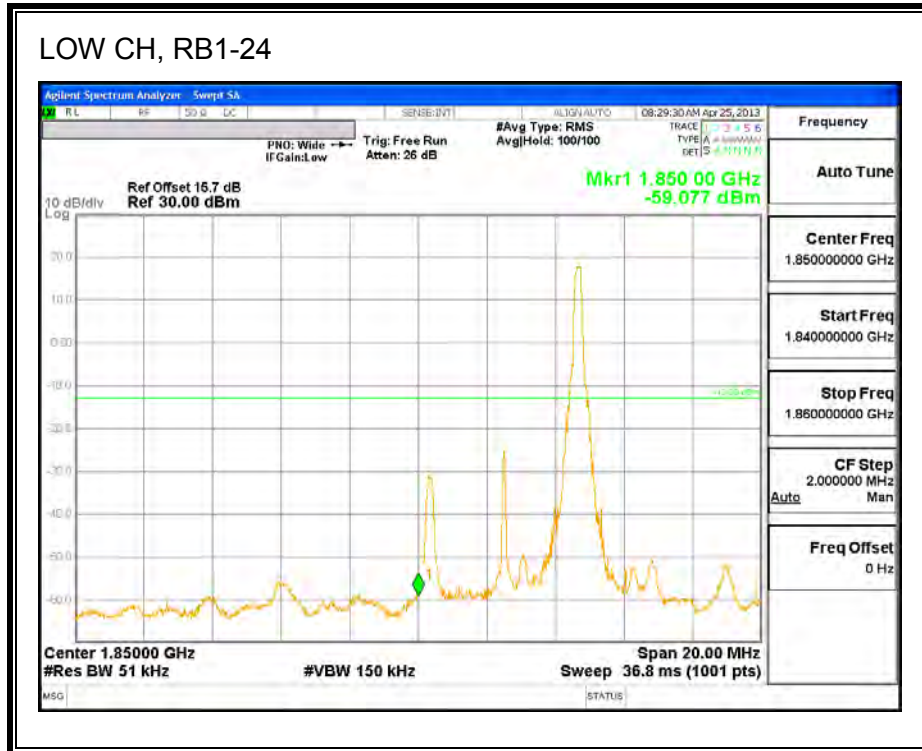


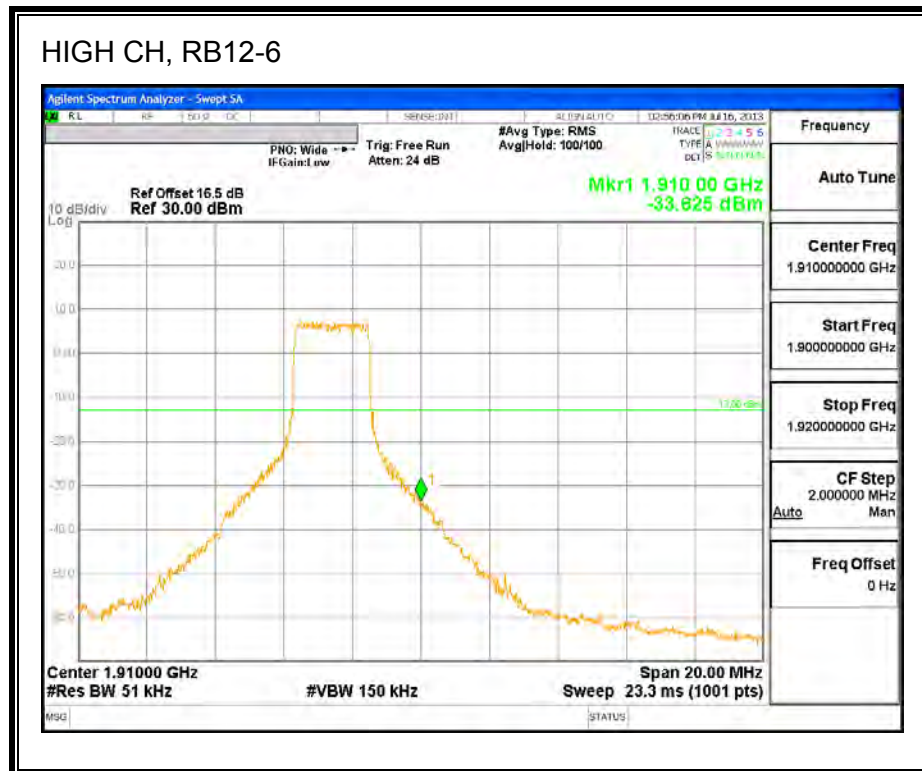
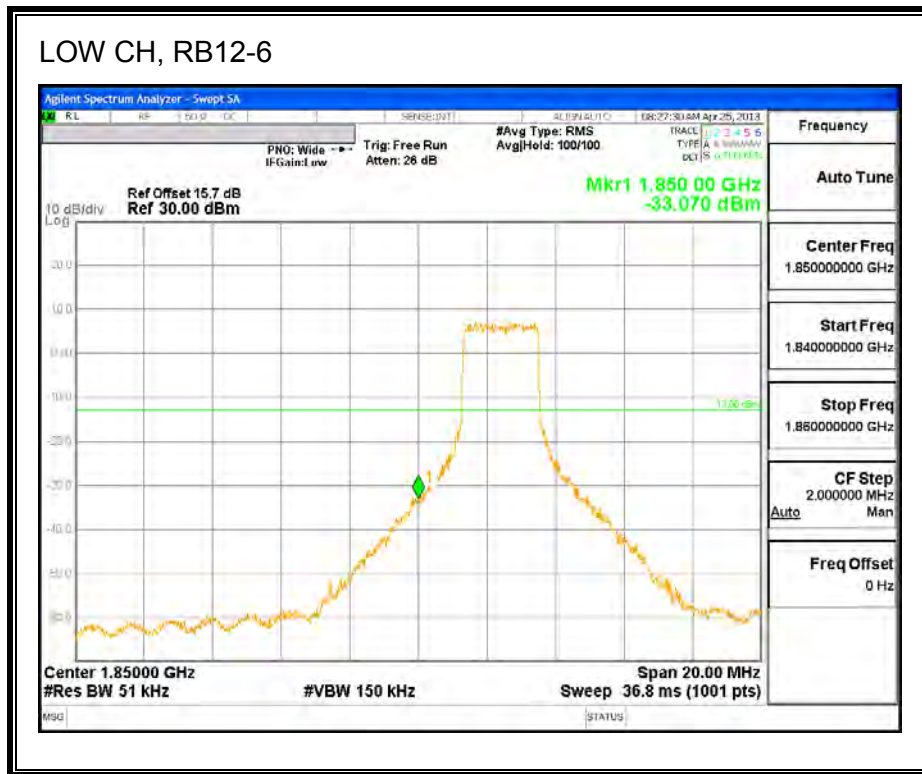


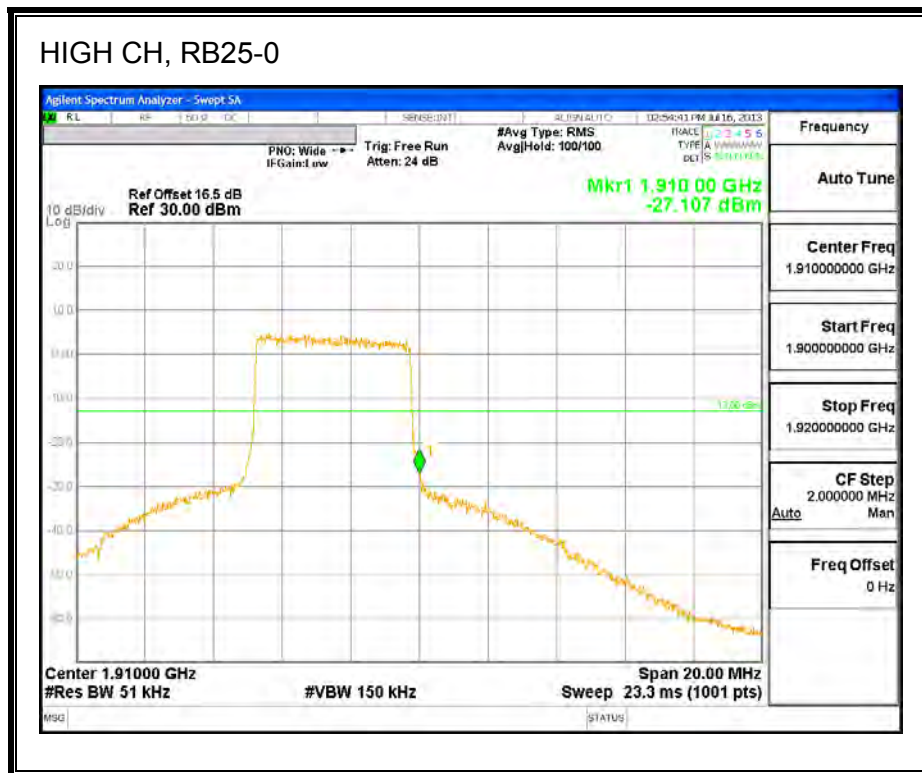
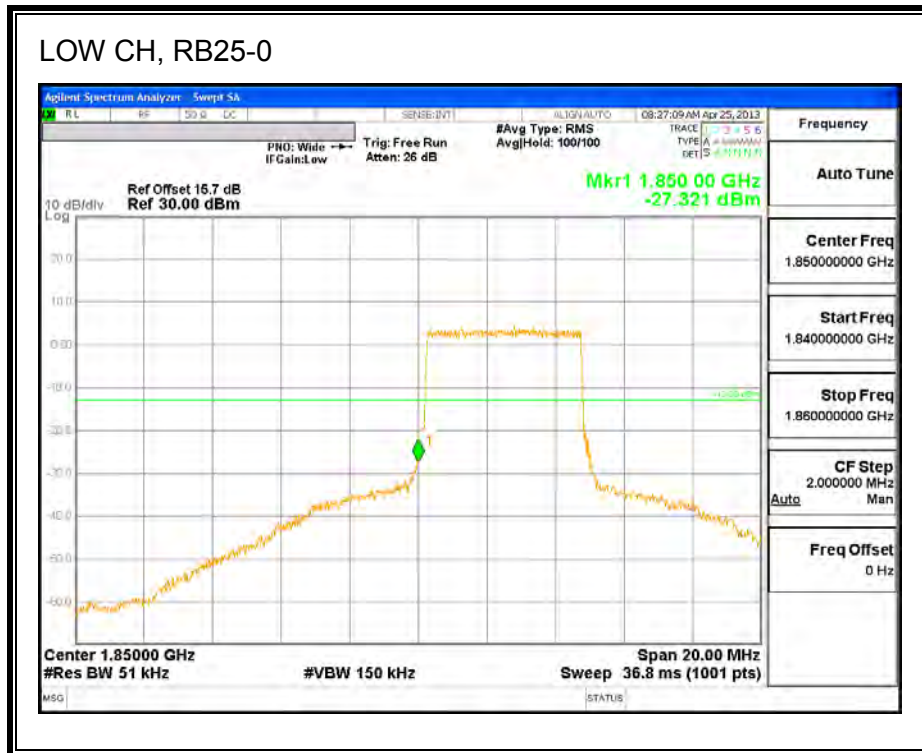


16QAM Band 2 (5 MHz BANDWIDTH)

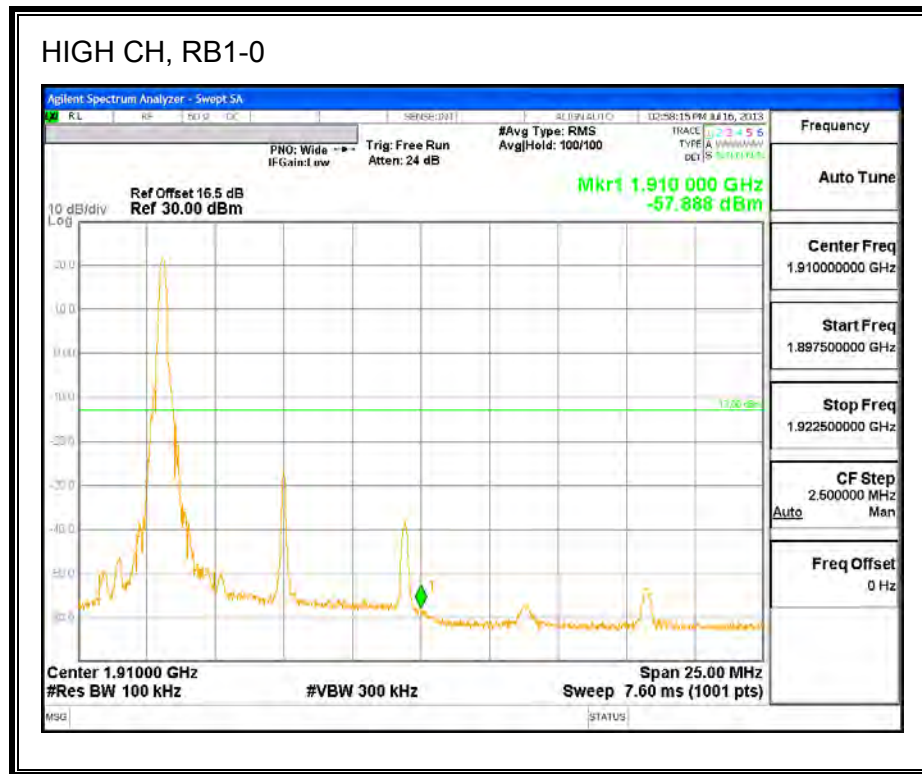
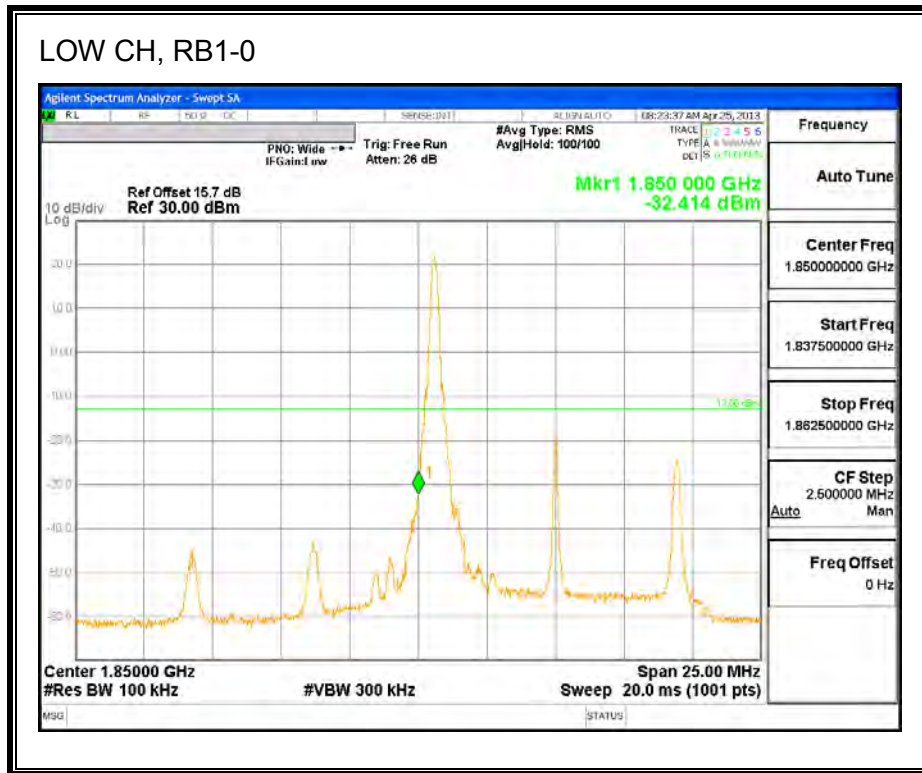


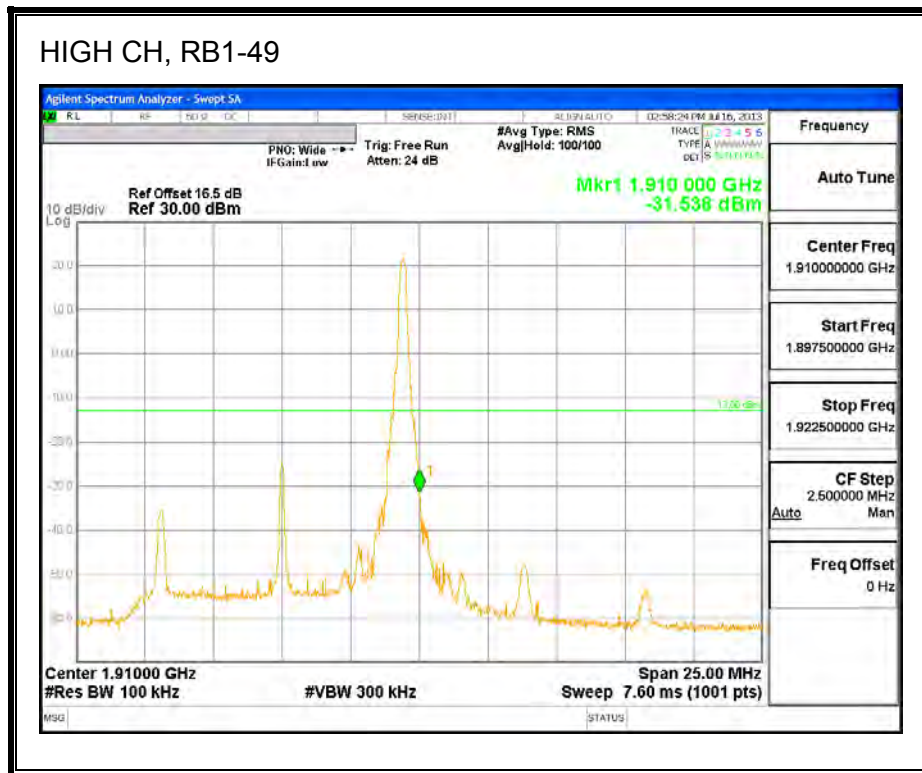
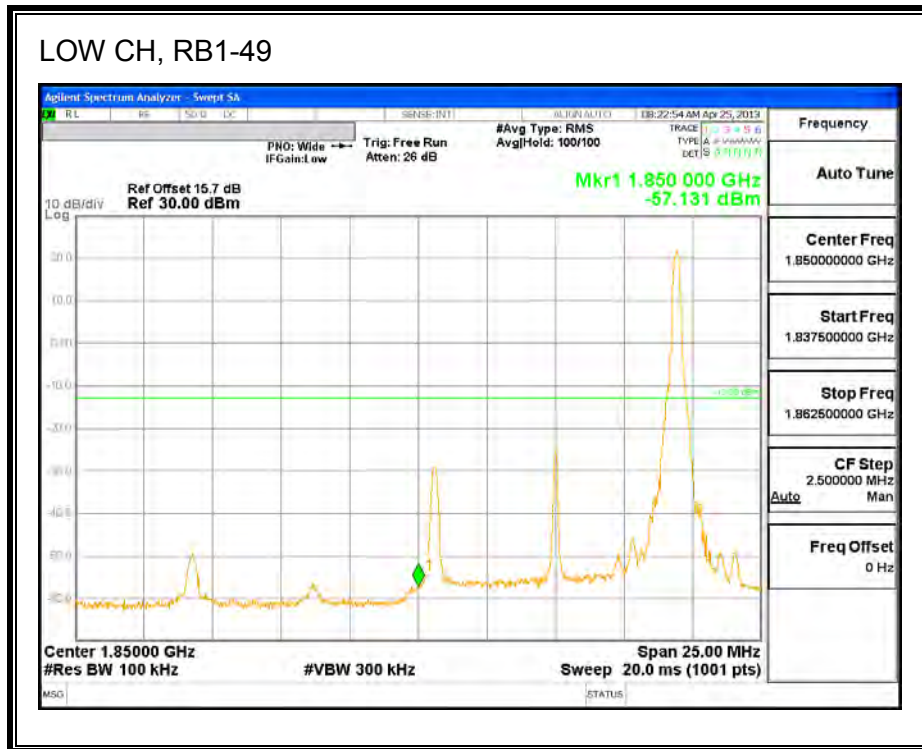


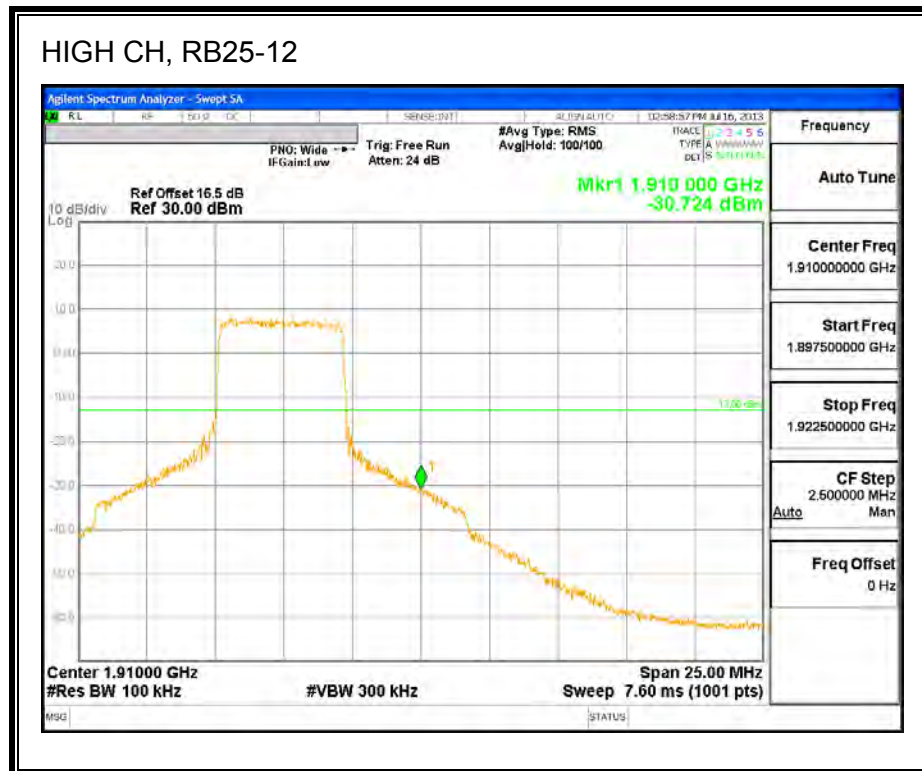
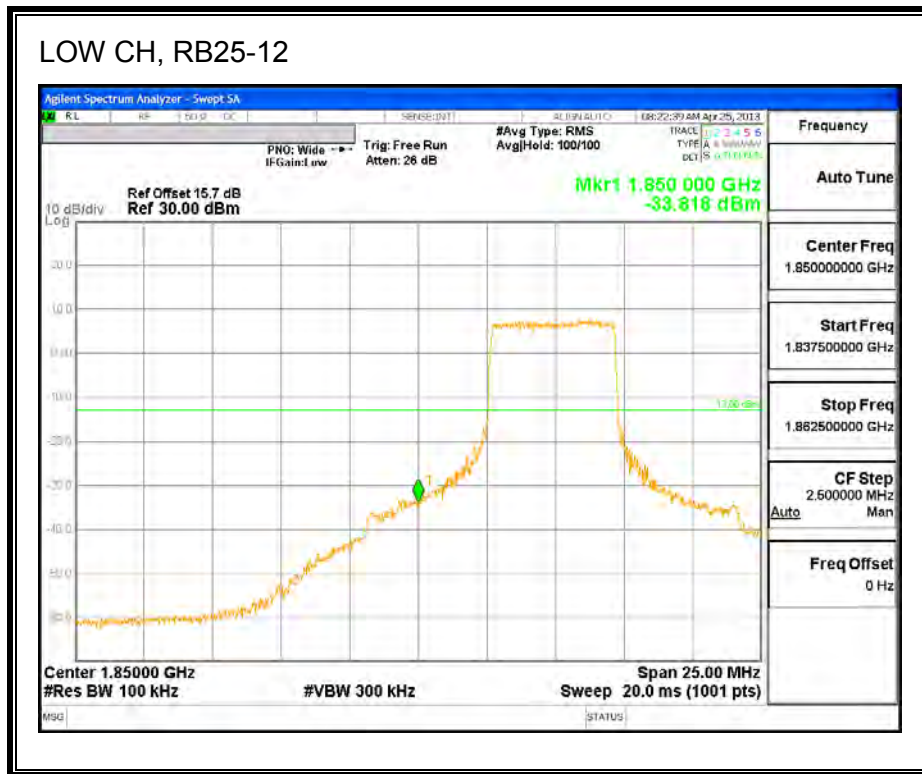


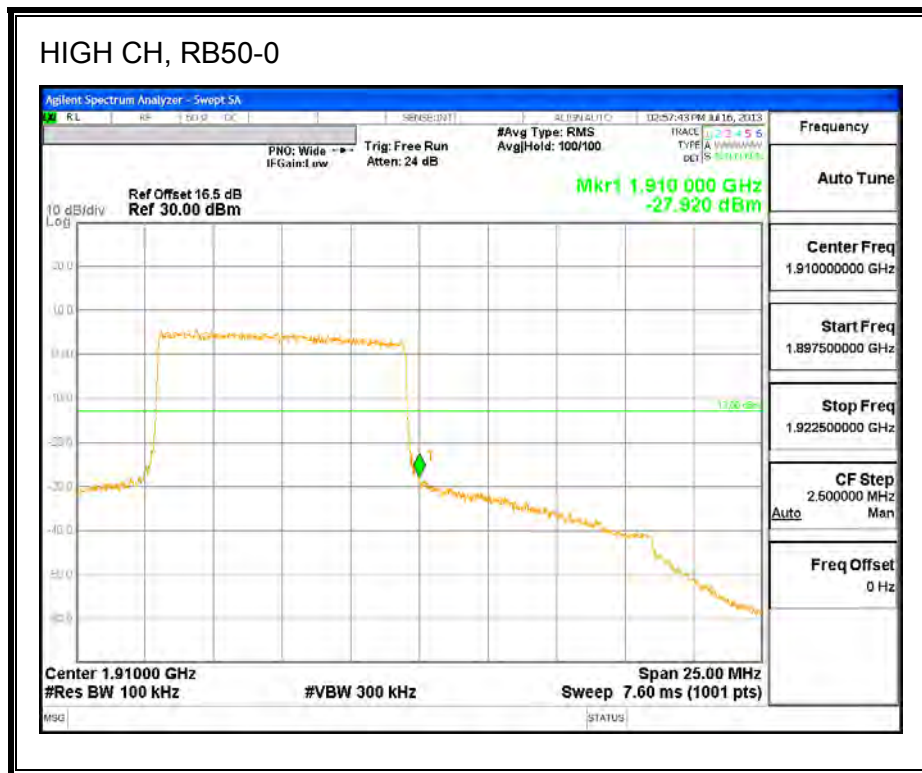
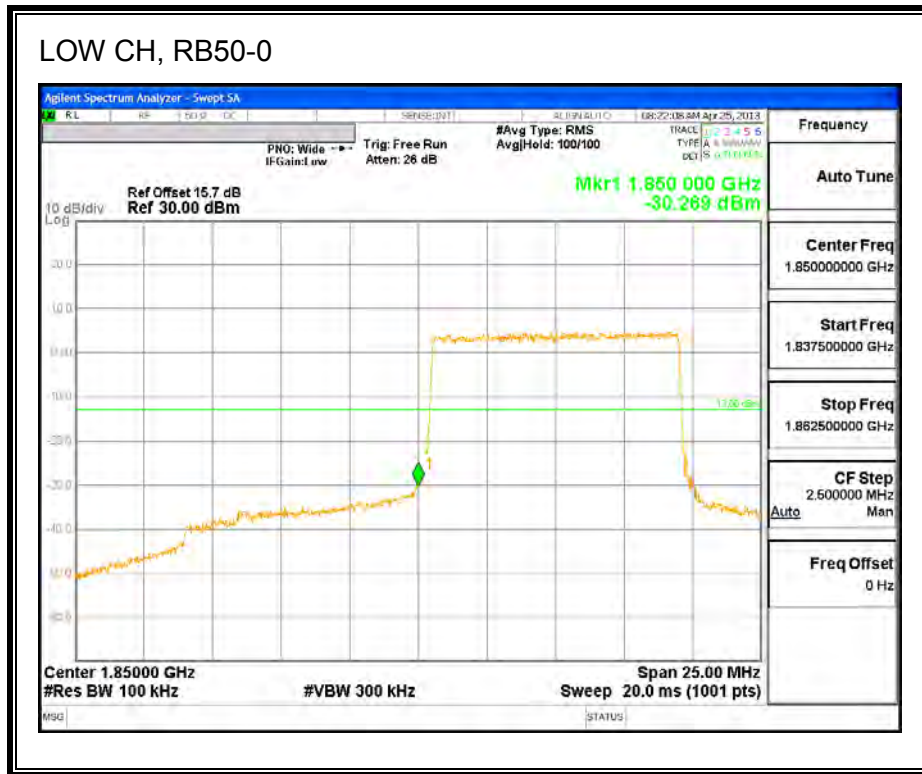


QPSK Band 2 (10 MHz BANDWIDTH)

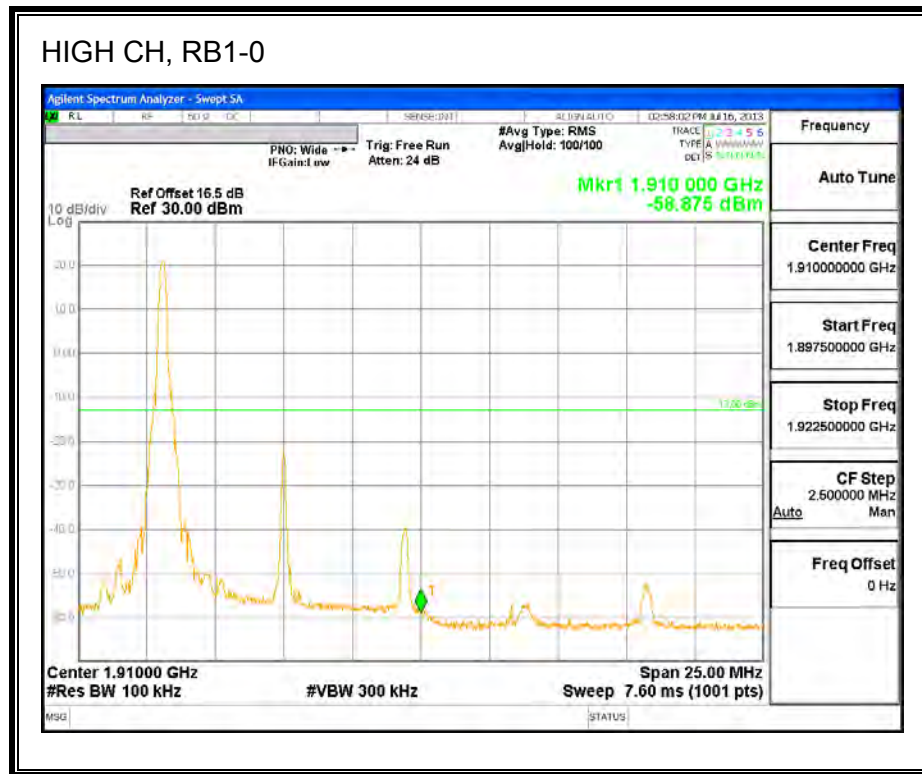
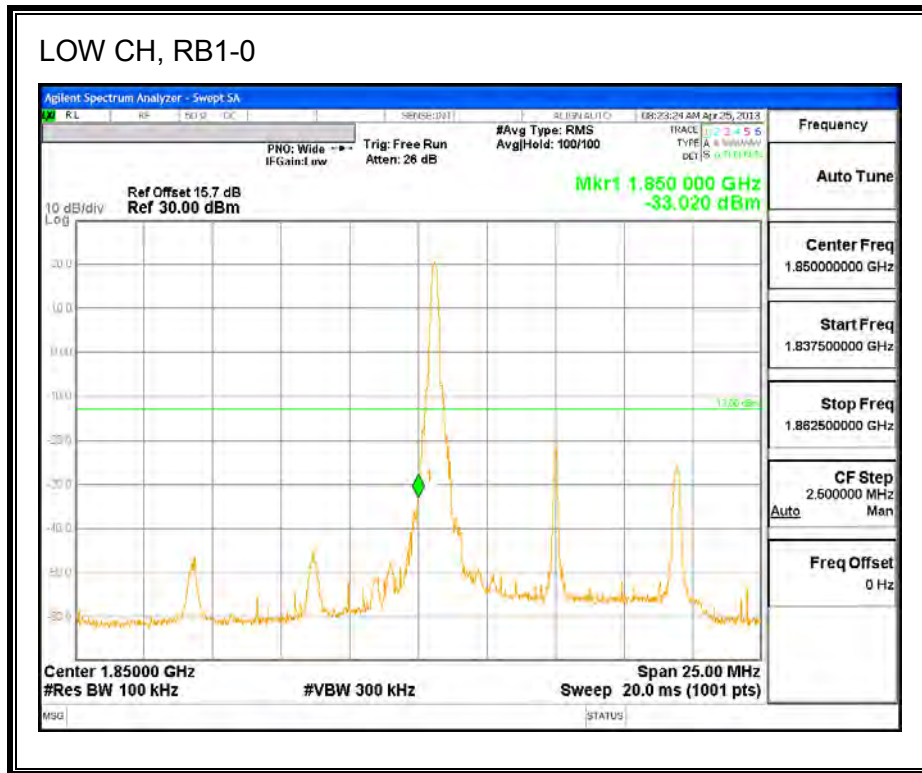


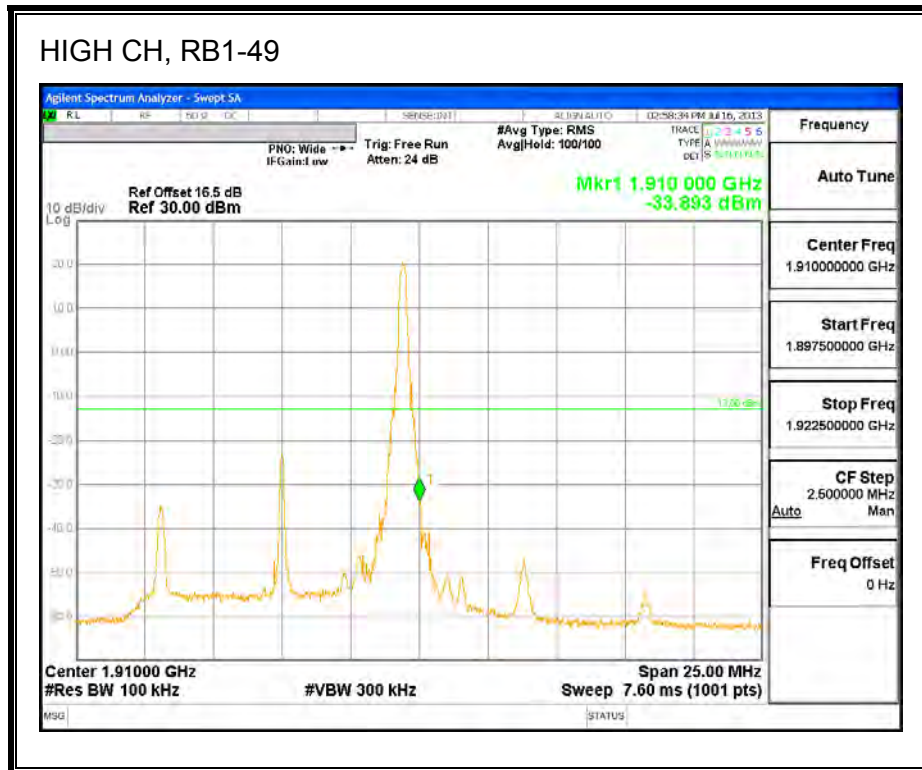
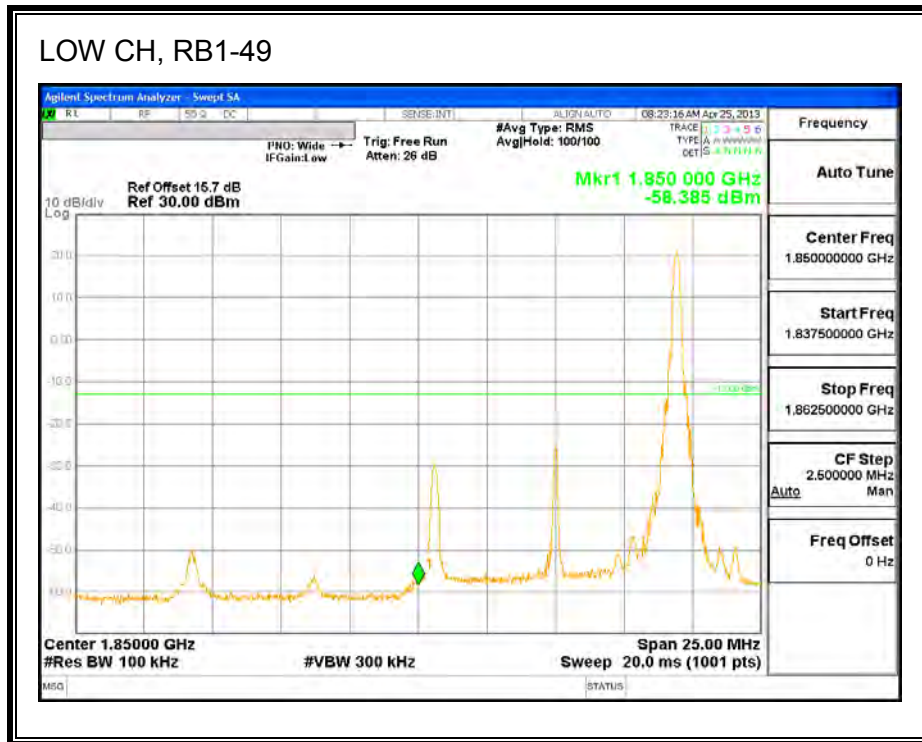


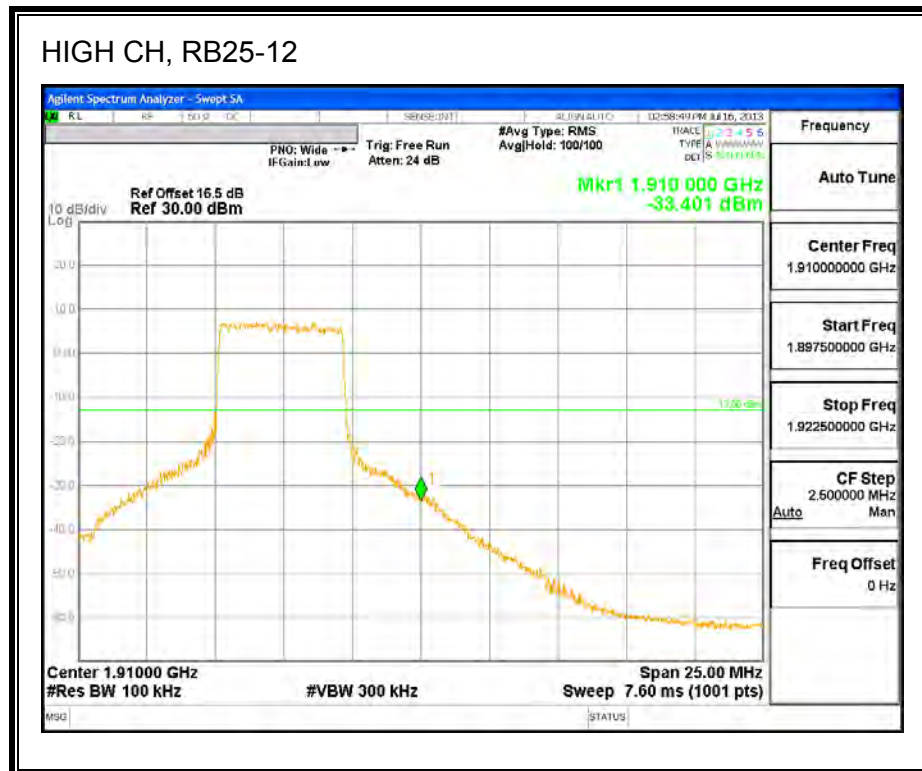
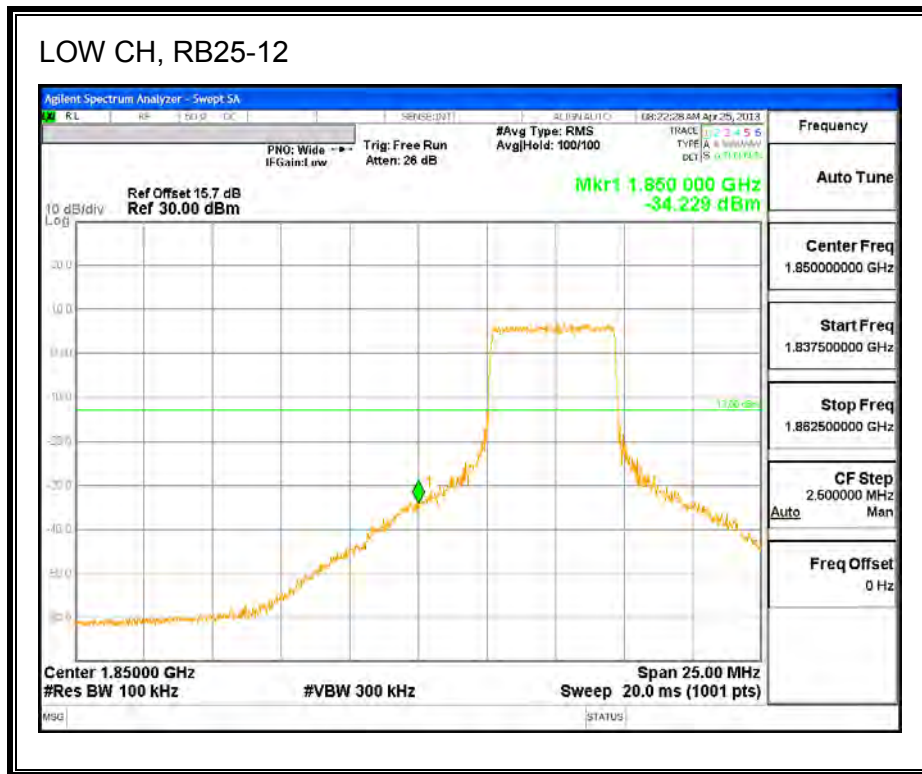


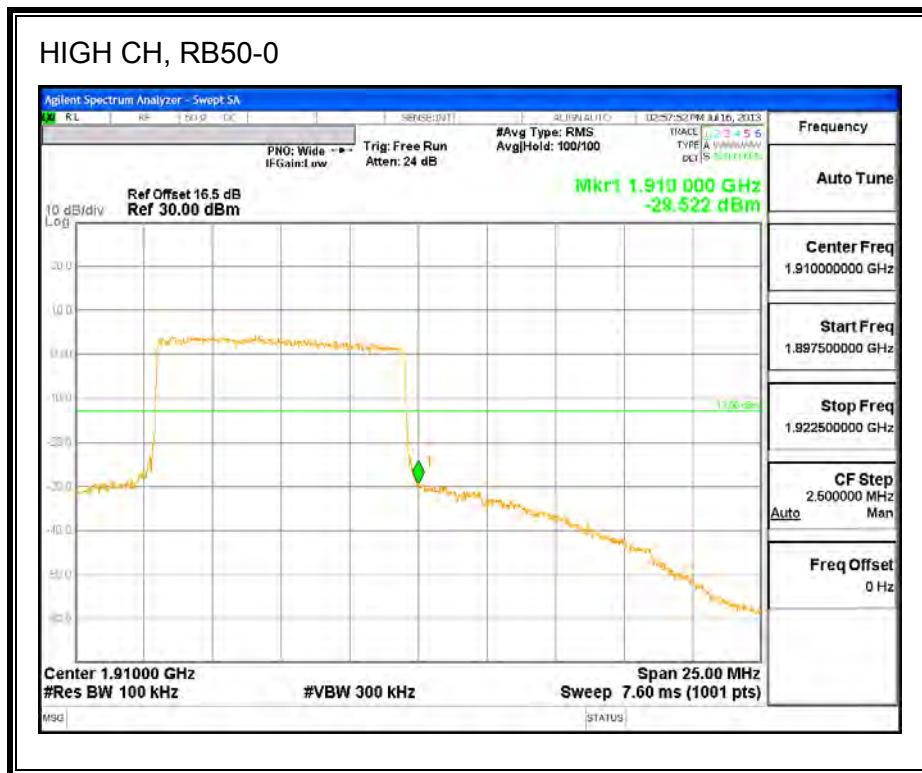
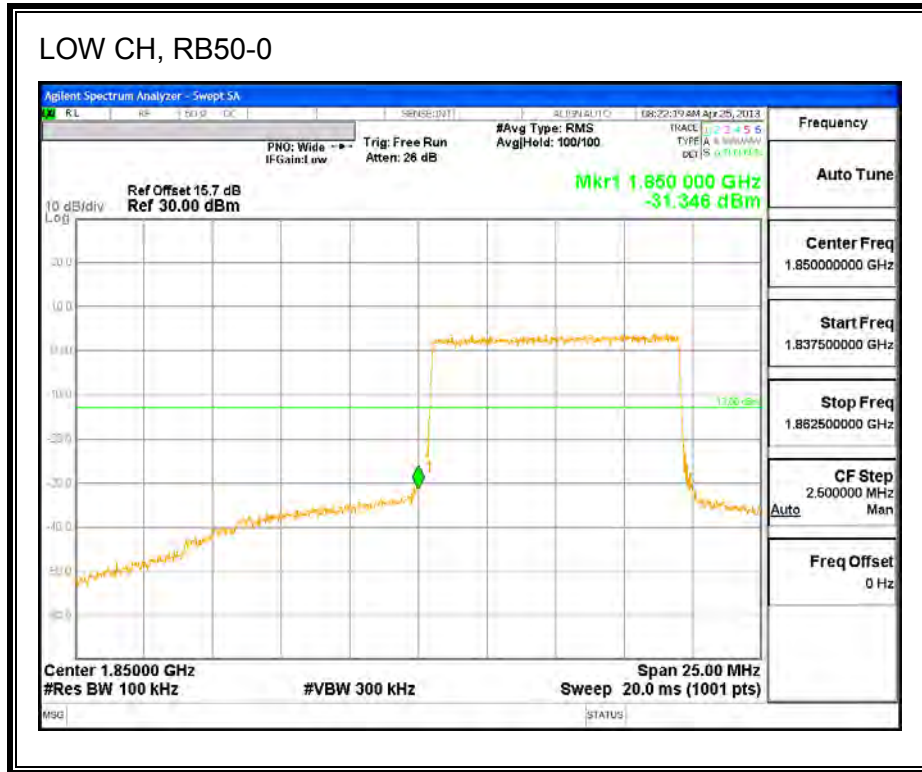


16QAM Band 2 (10 MHz BANDWIDTH)

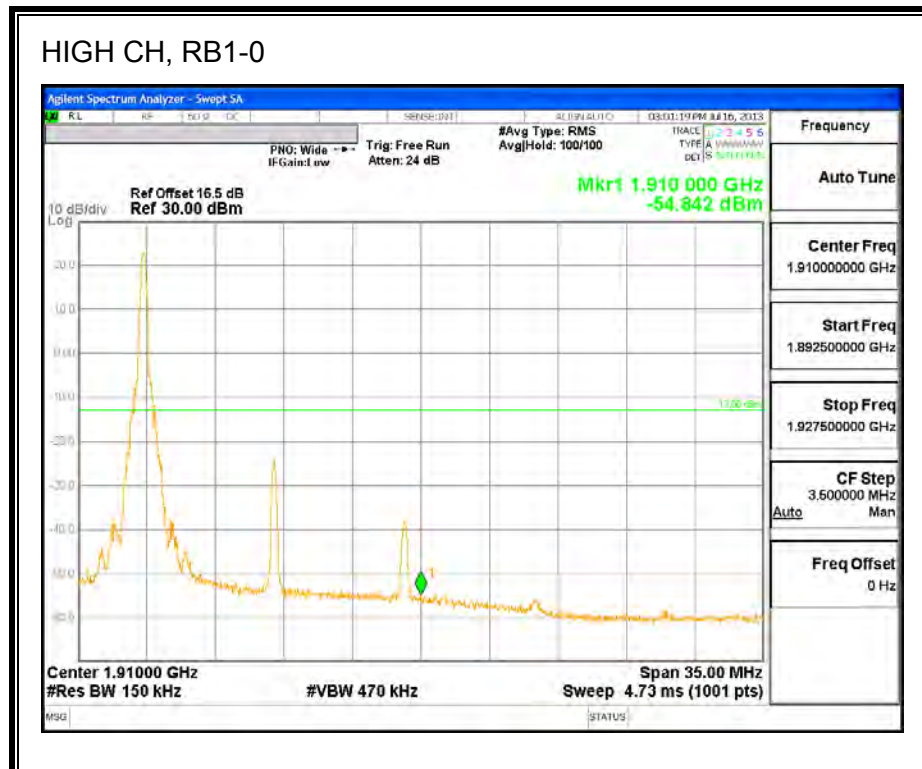
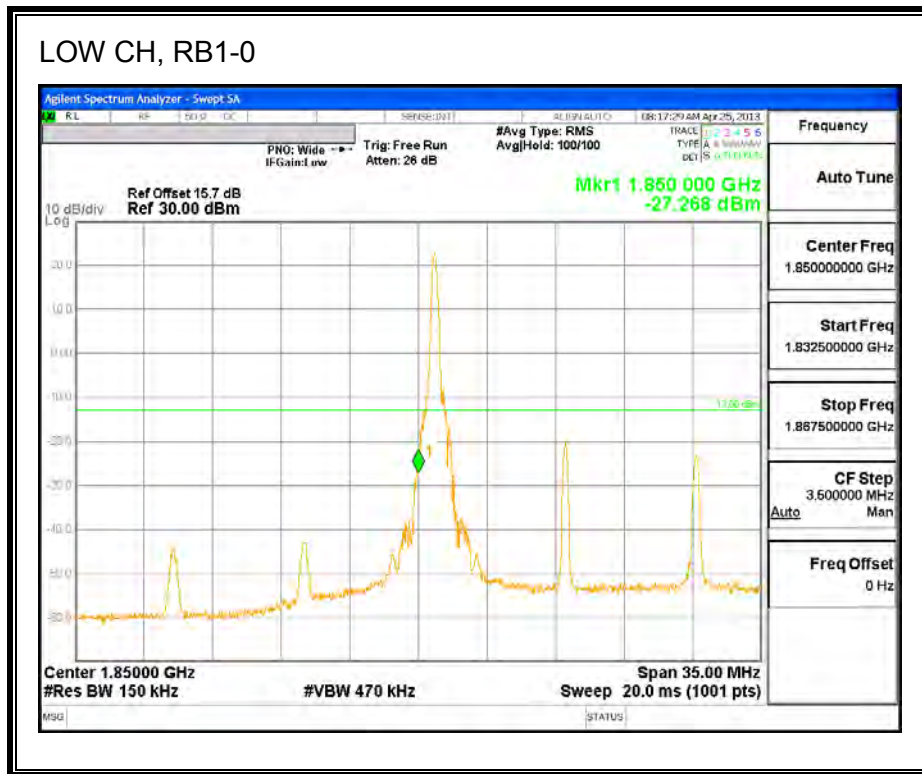


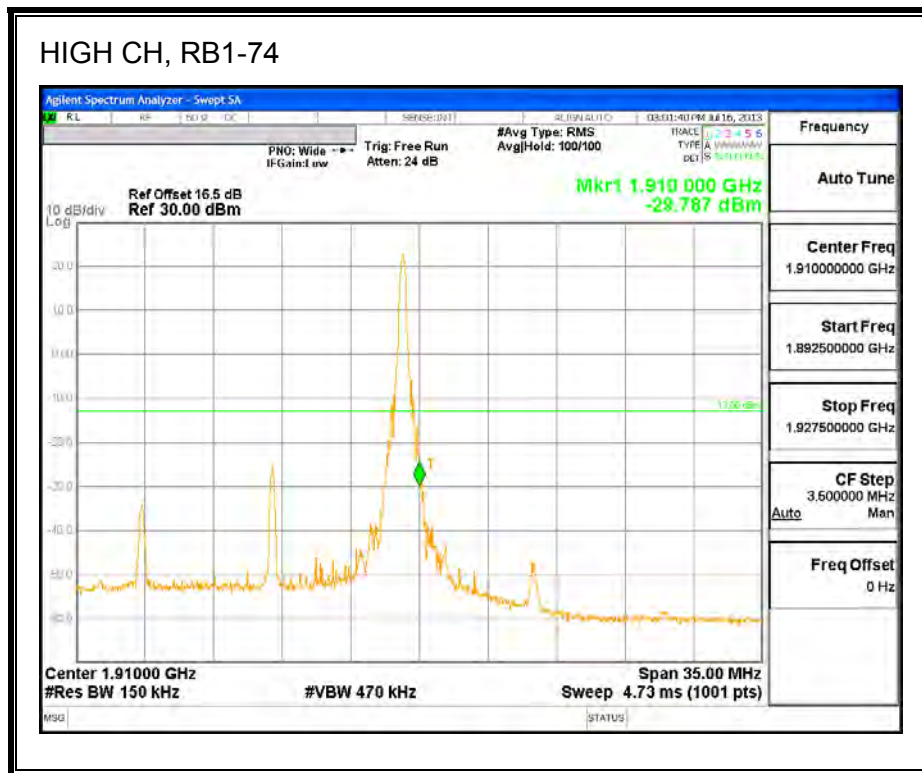
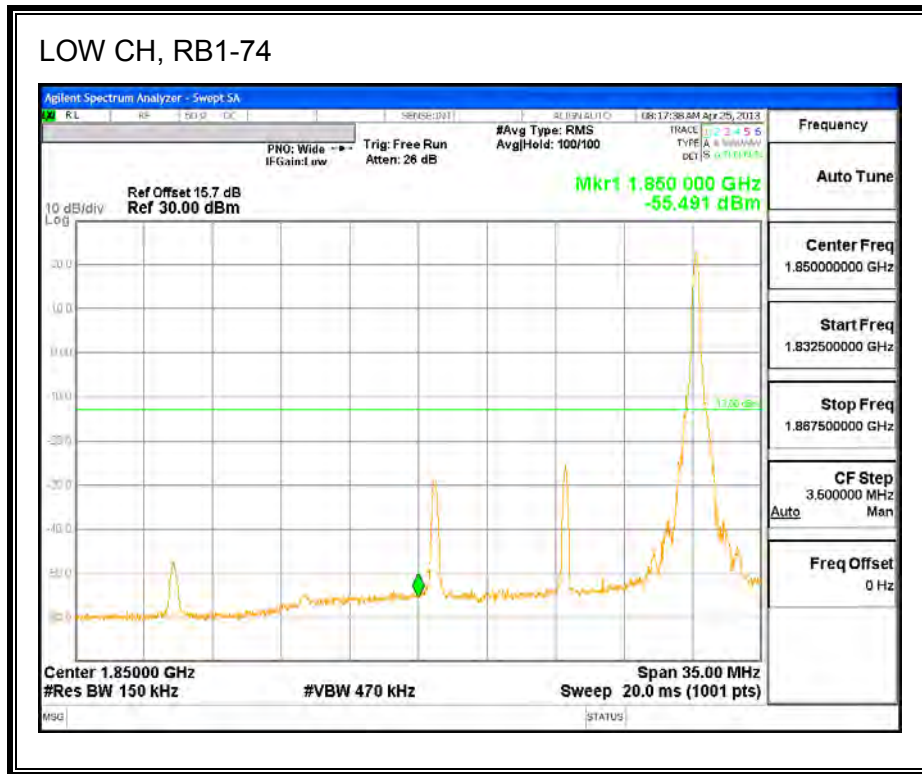


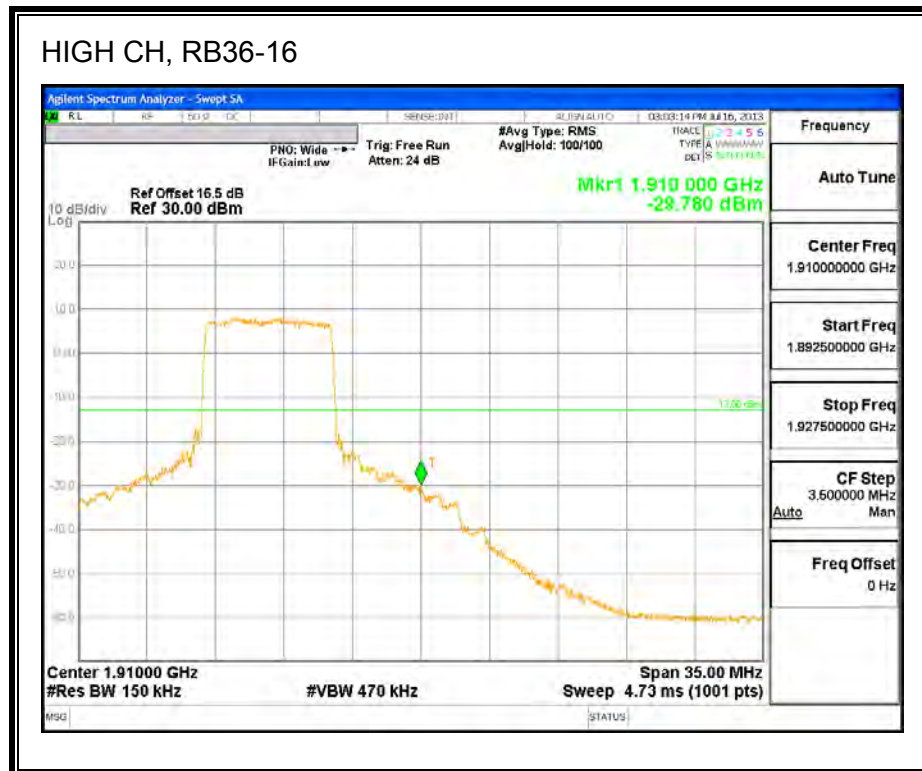
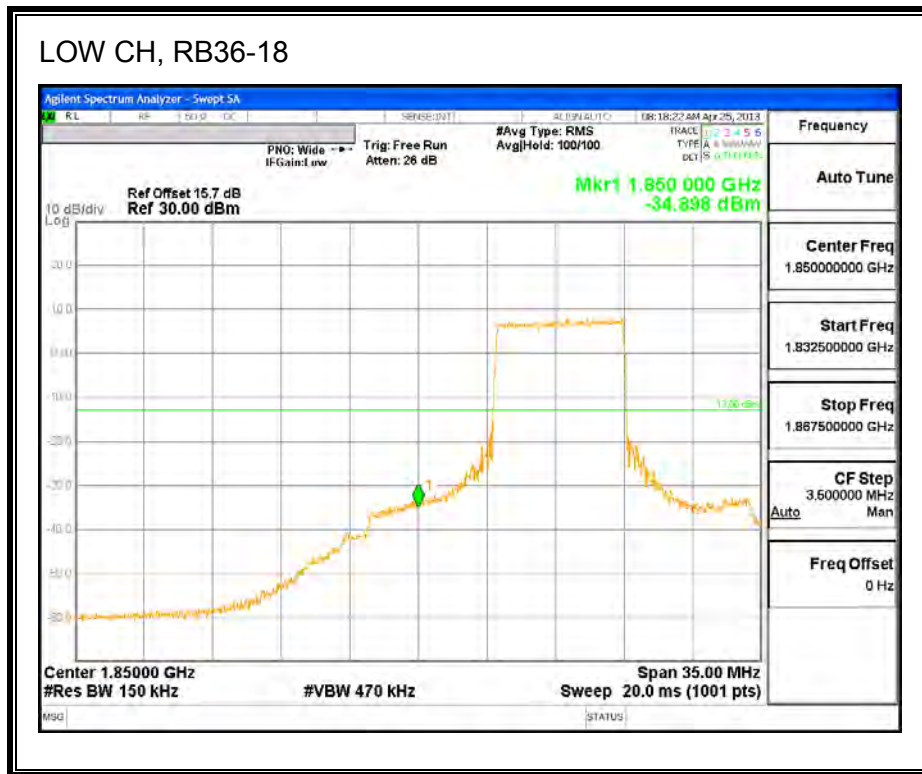


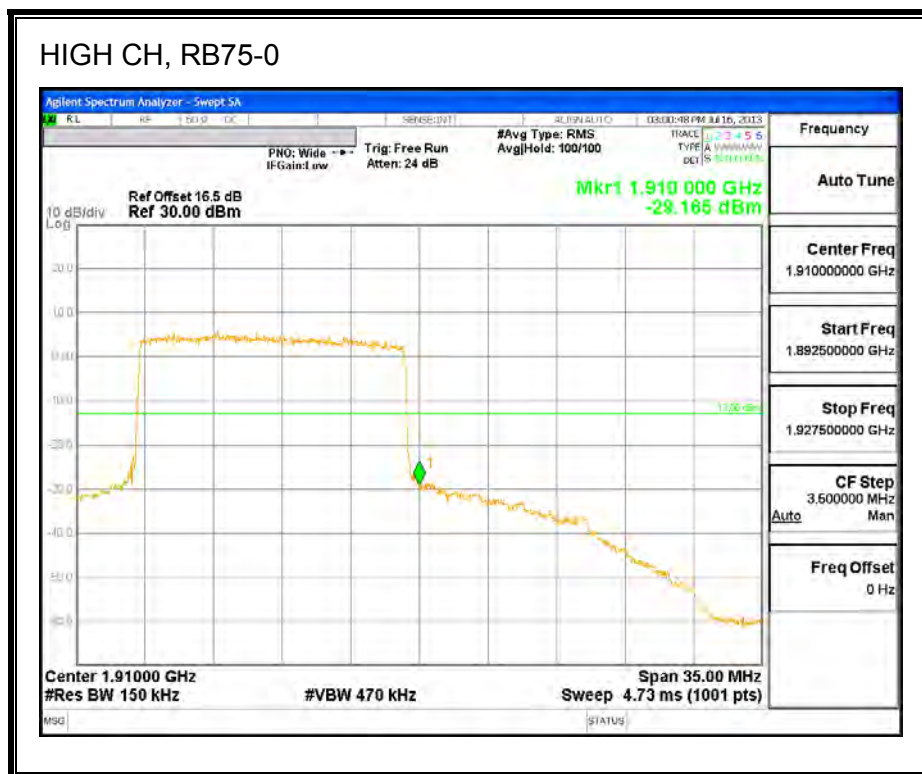
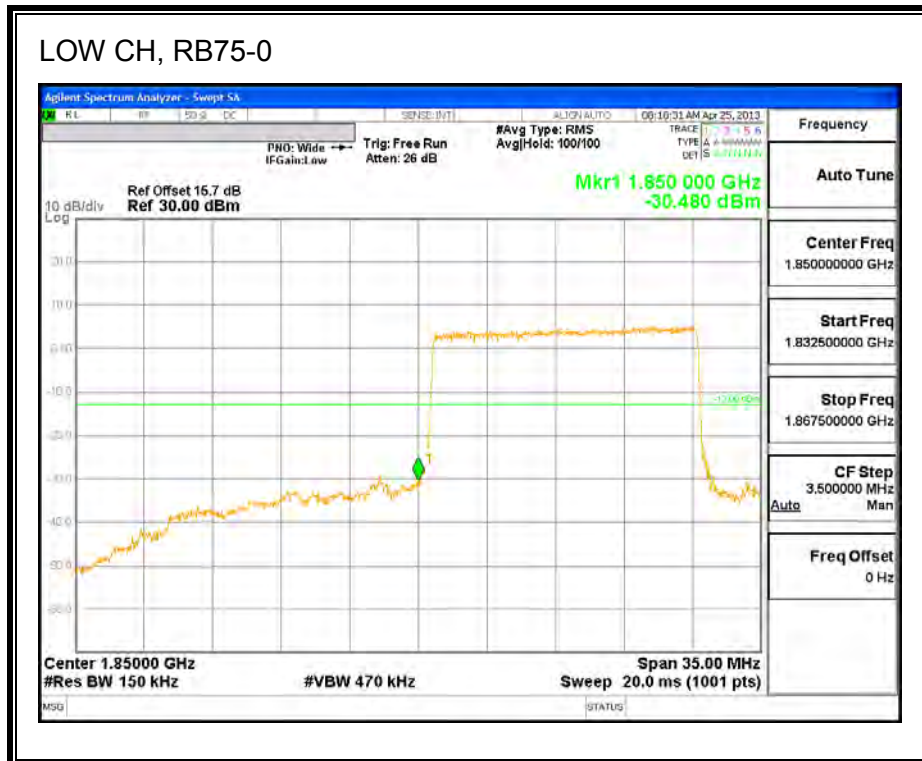


QPSK Band 2 (15.0 MHz BAND WIDTH)

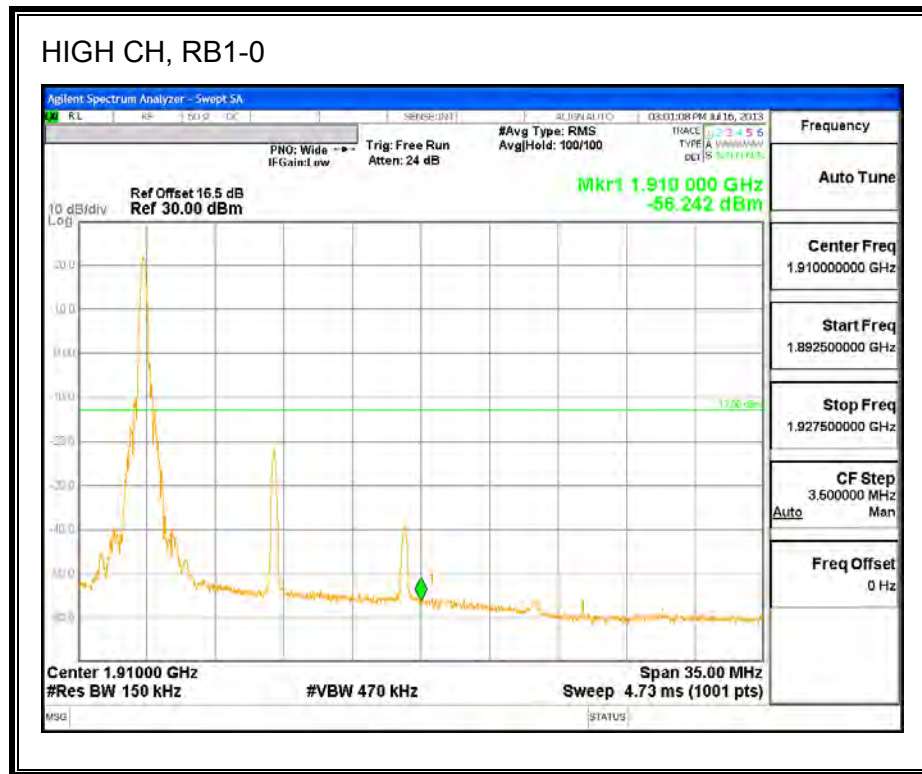
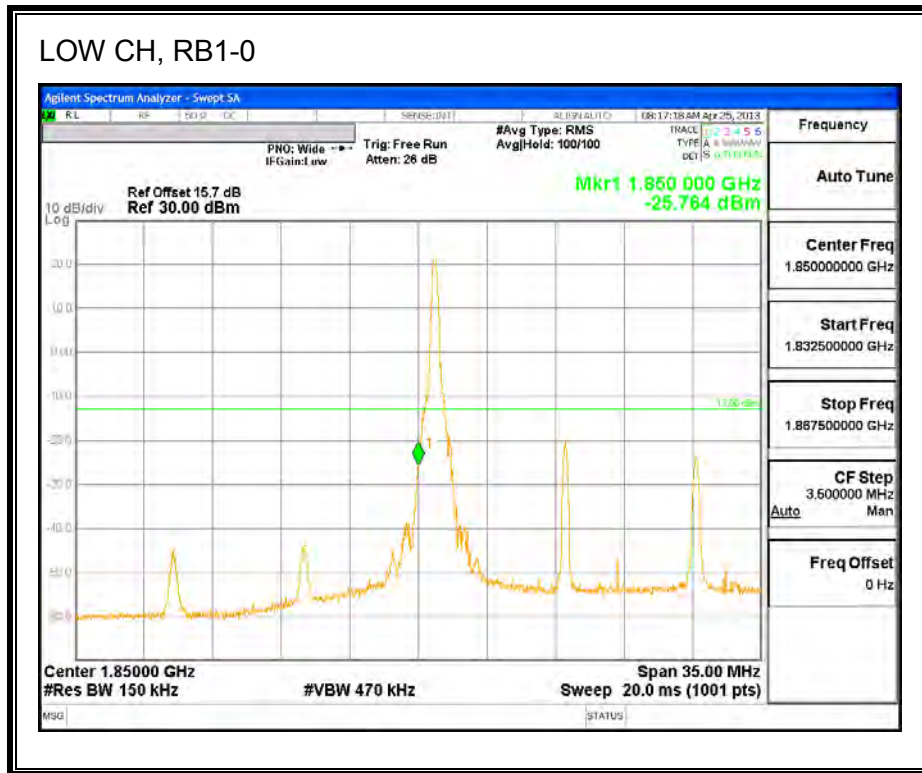


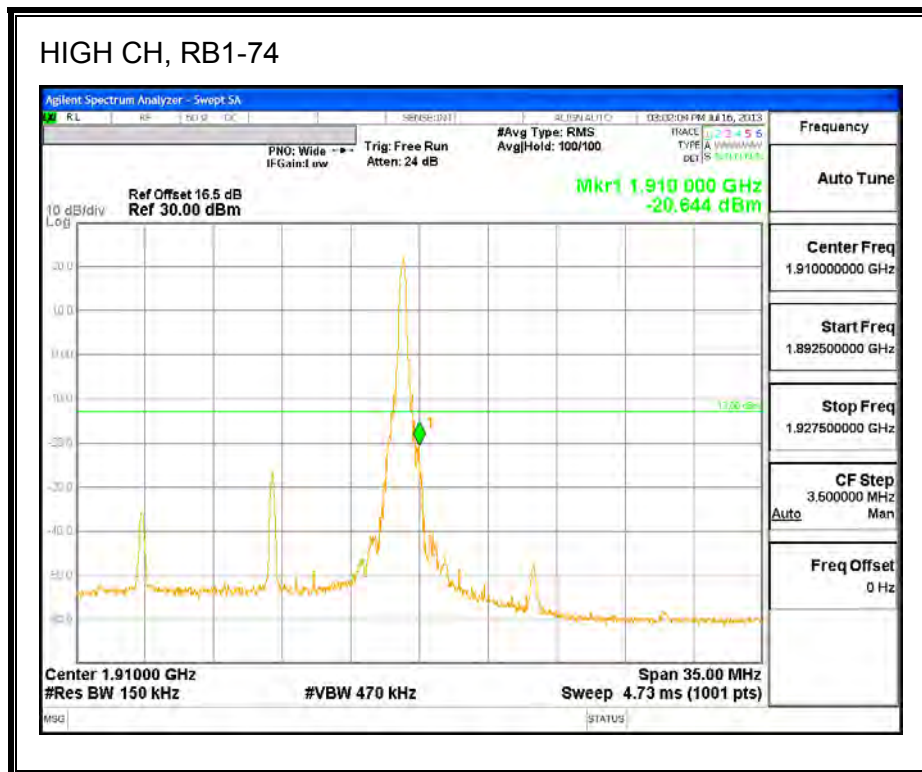
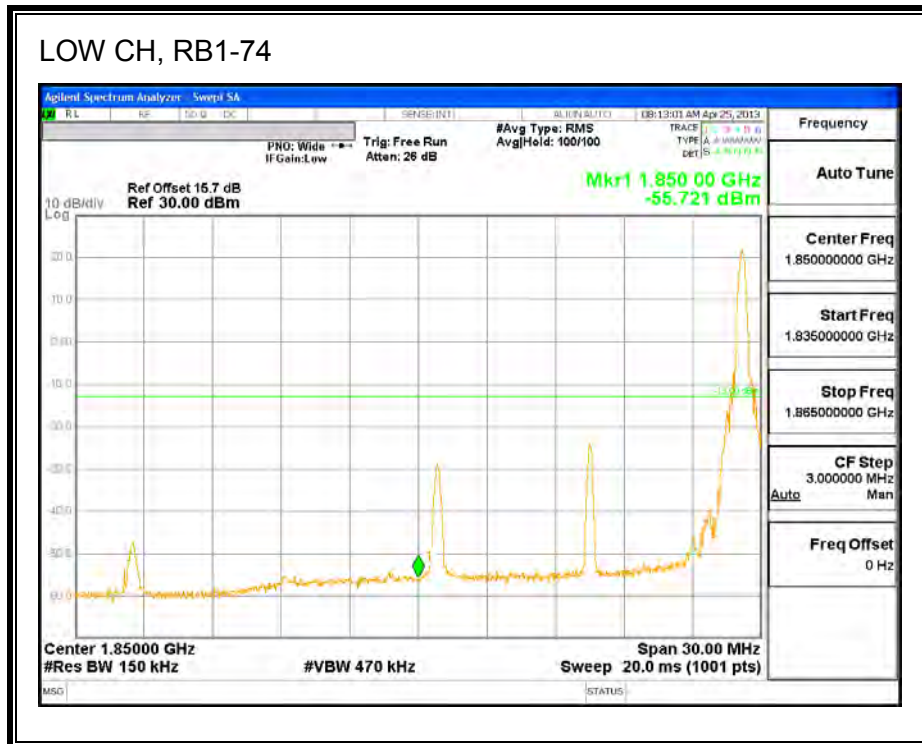


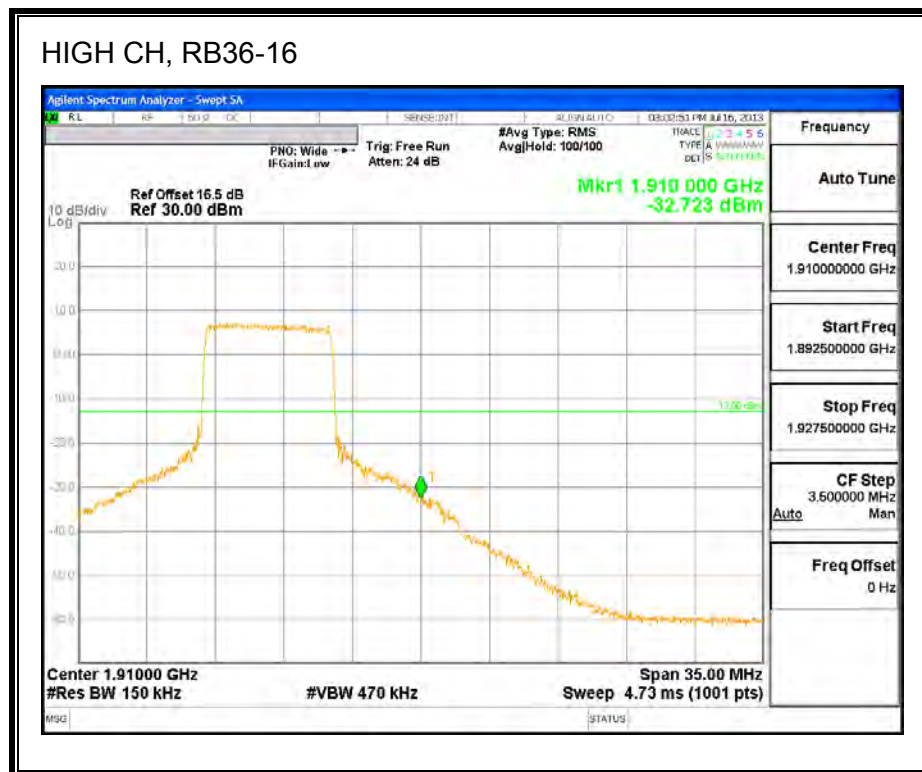
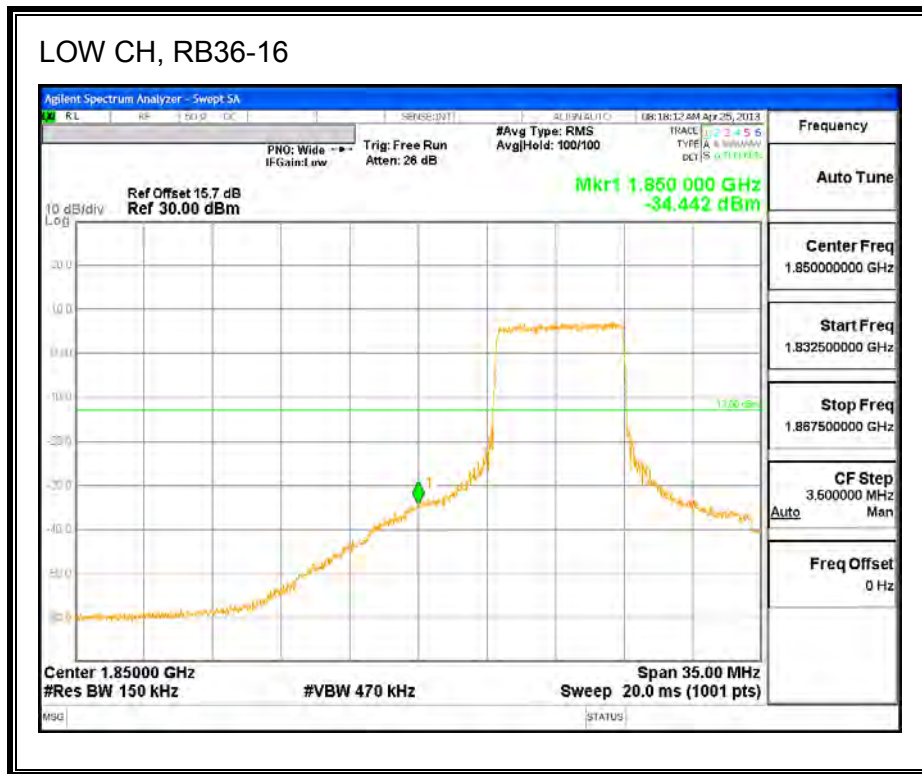


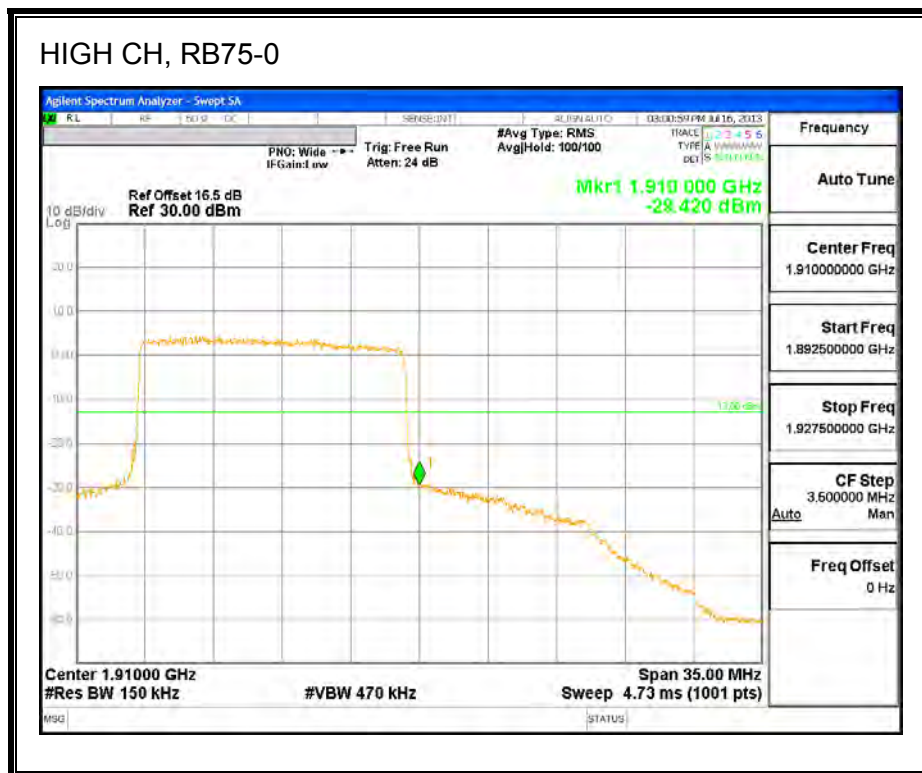
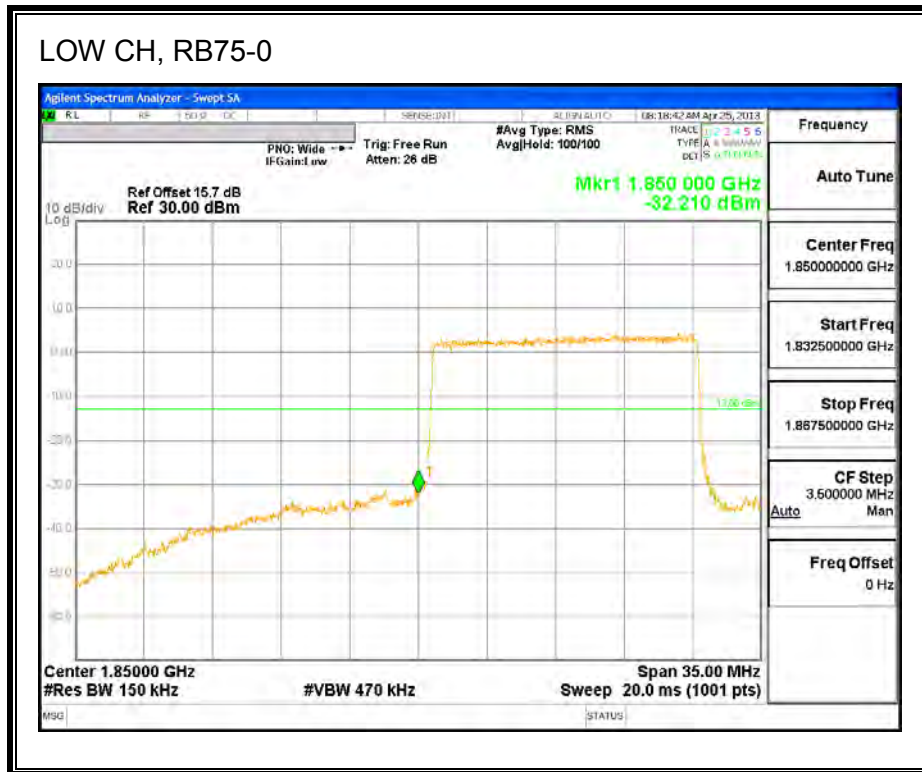


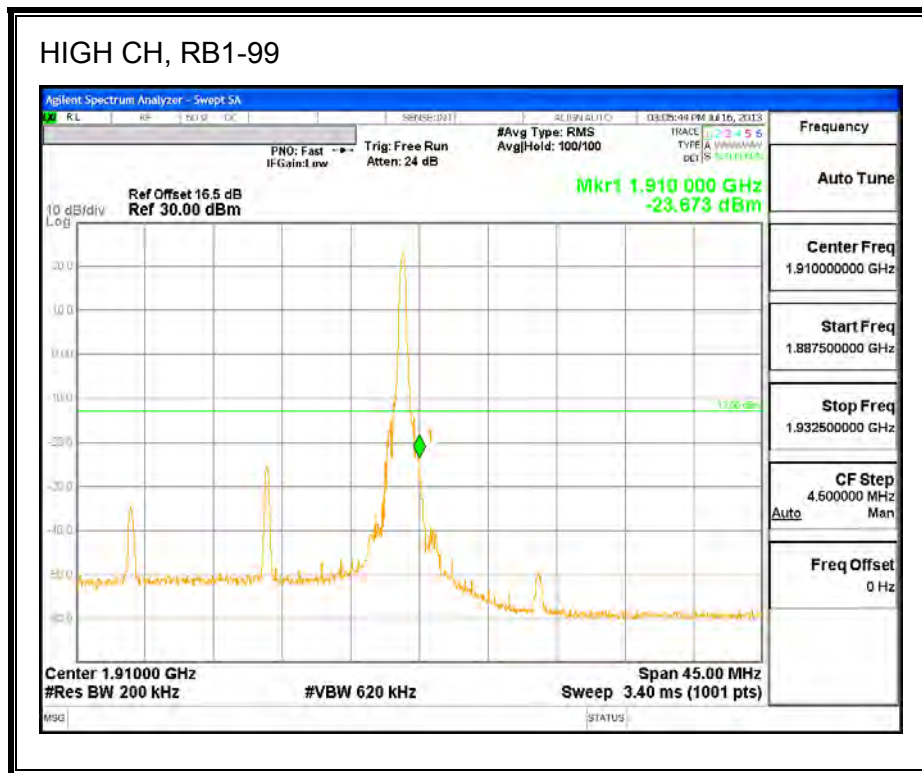
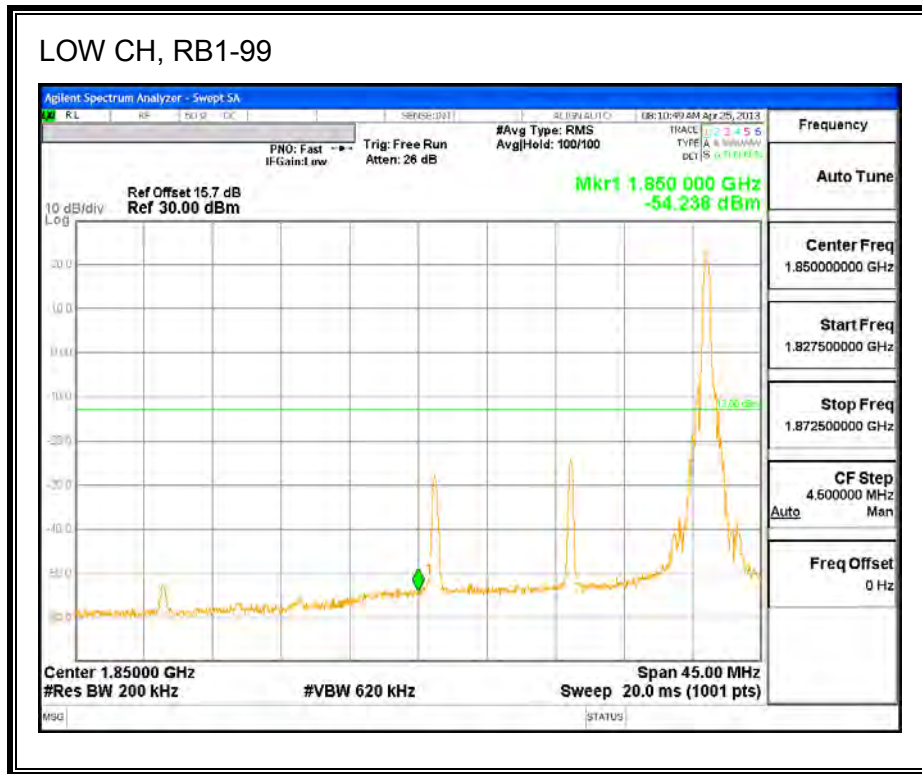
16QAM Band 2 (15.0 MHz BAND WIDTH)

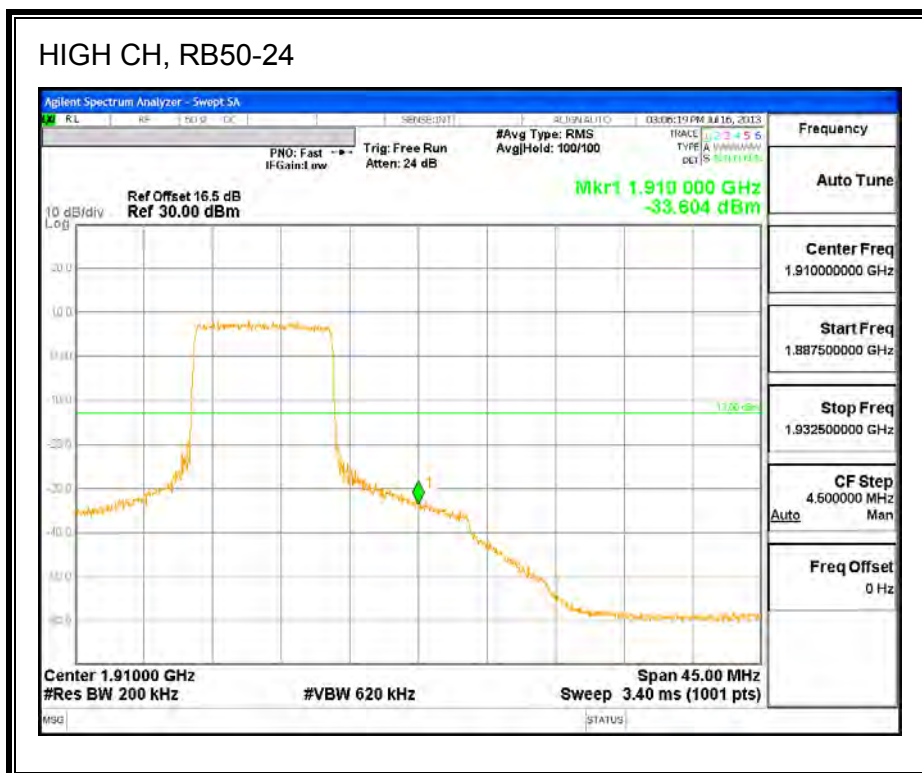
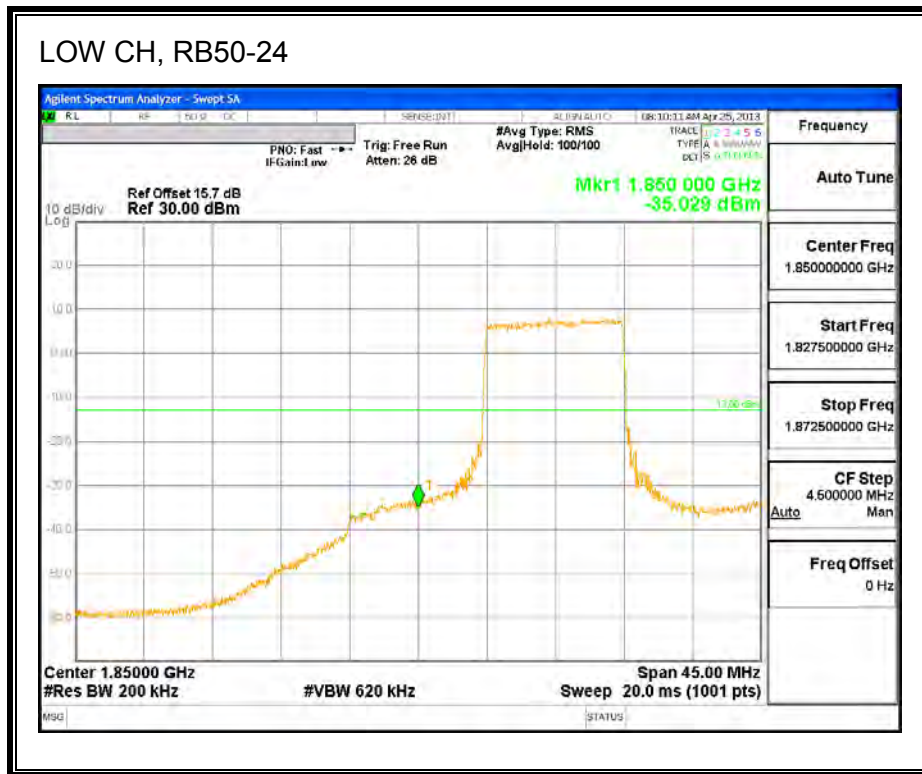


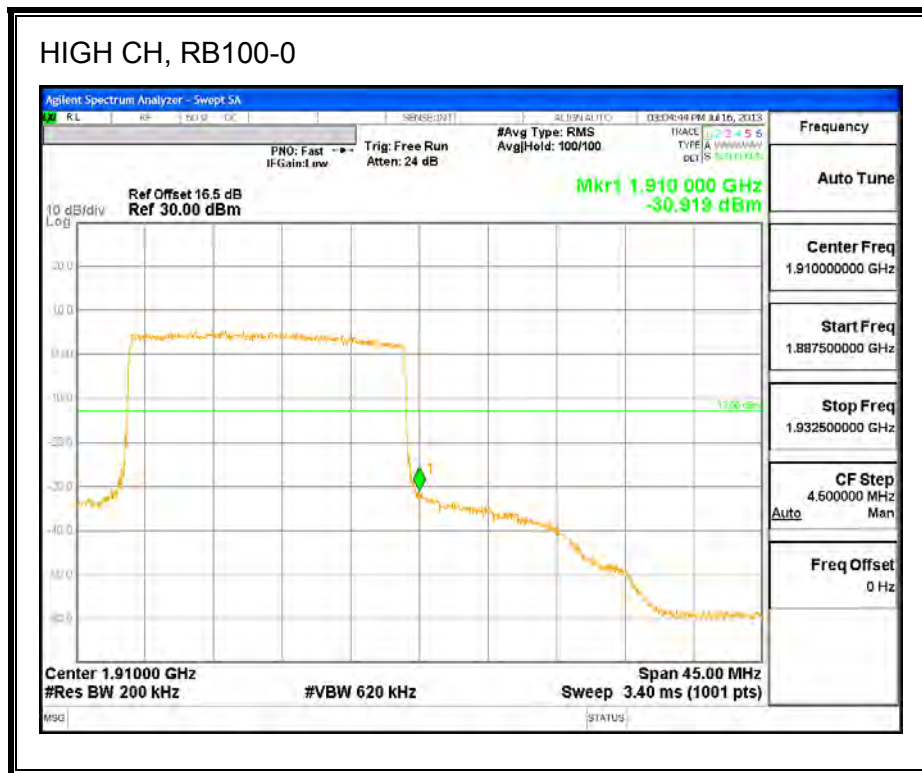
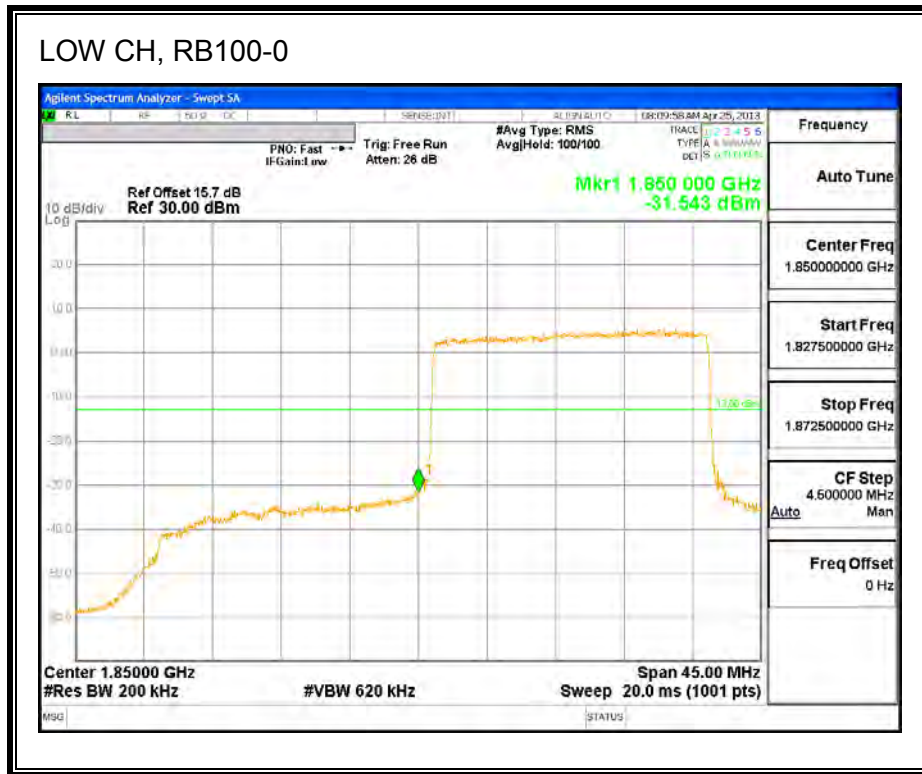




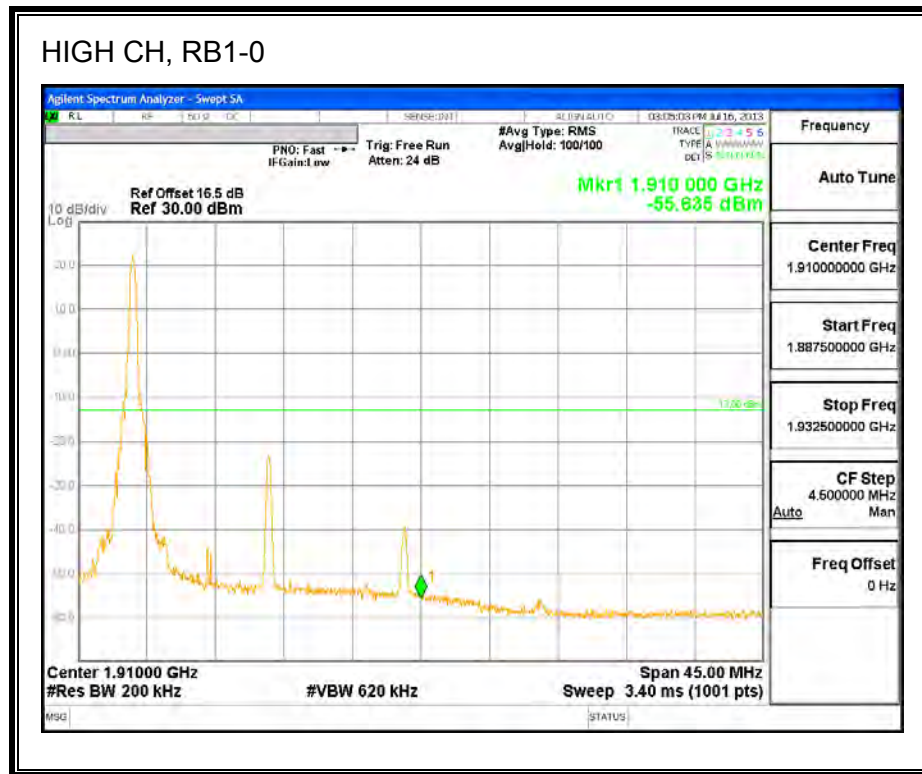
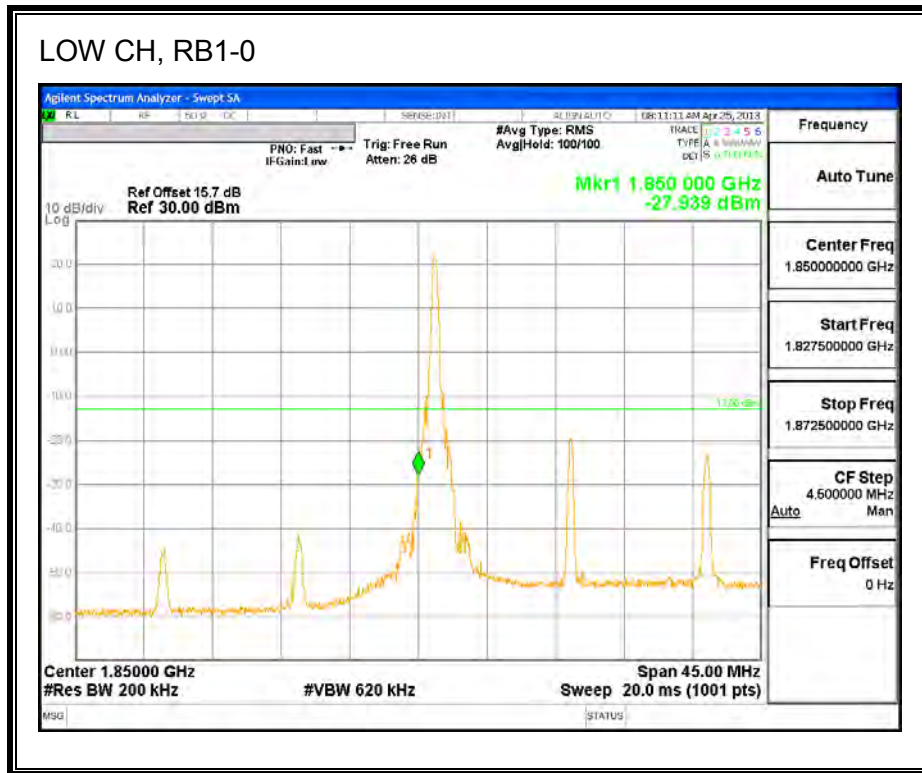


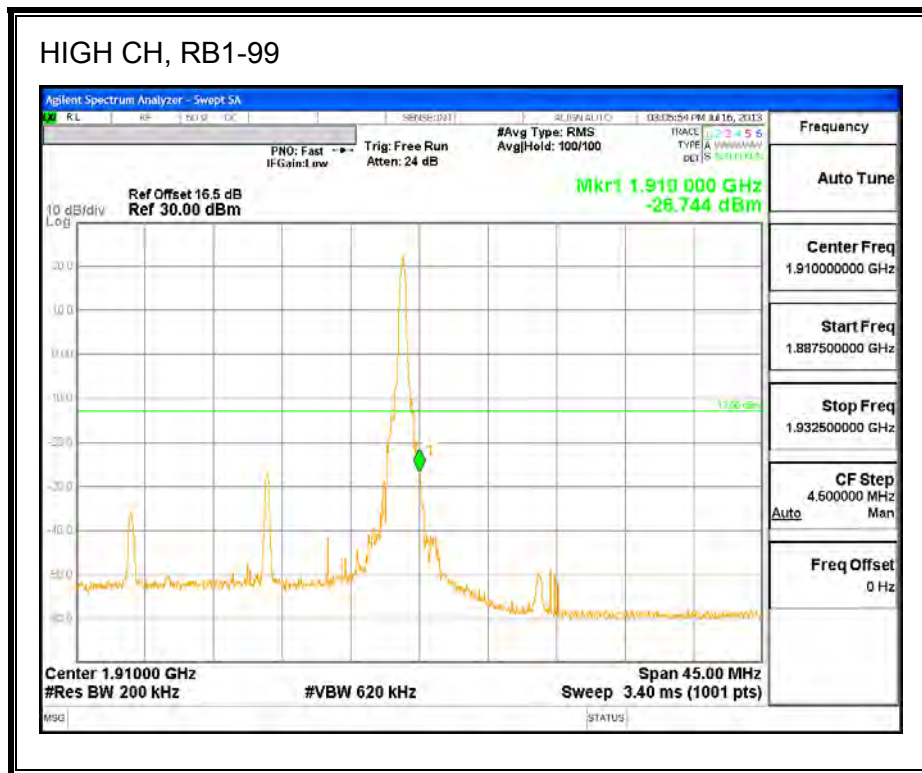
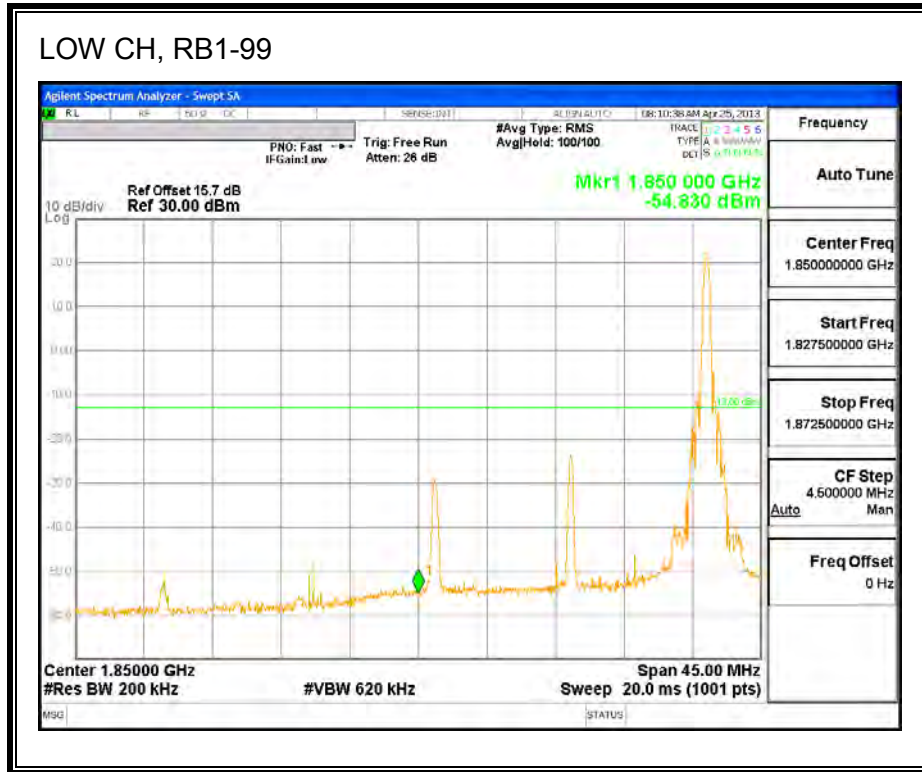


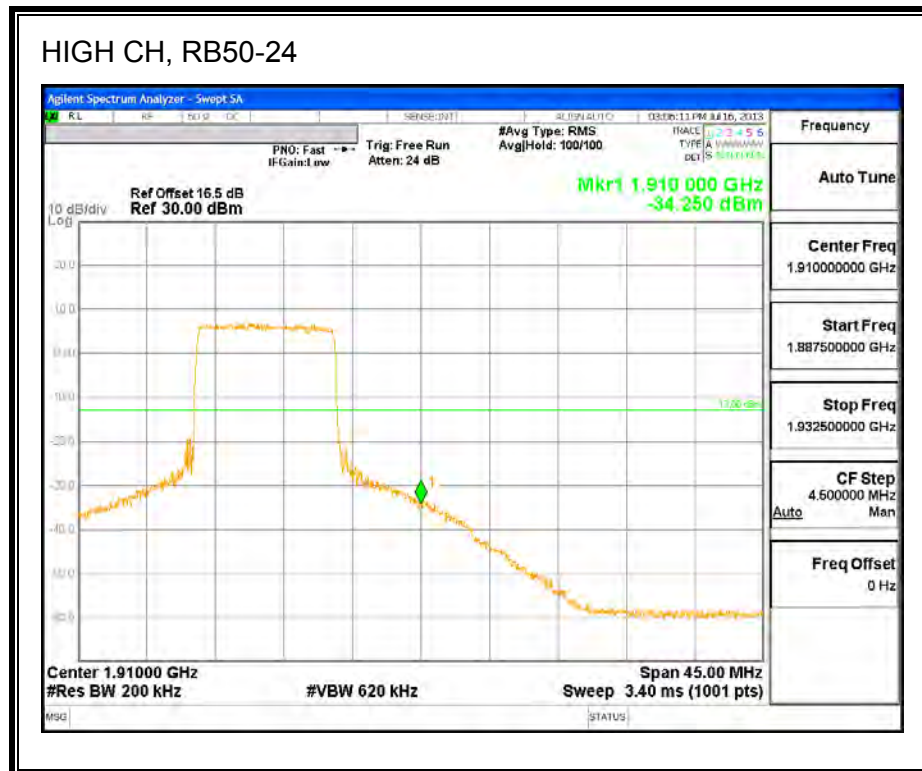
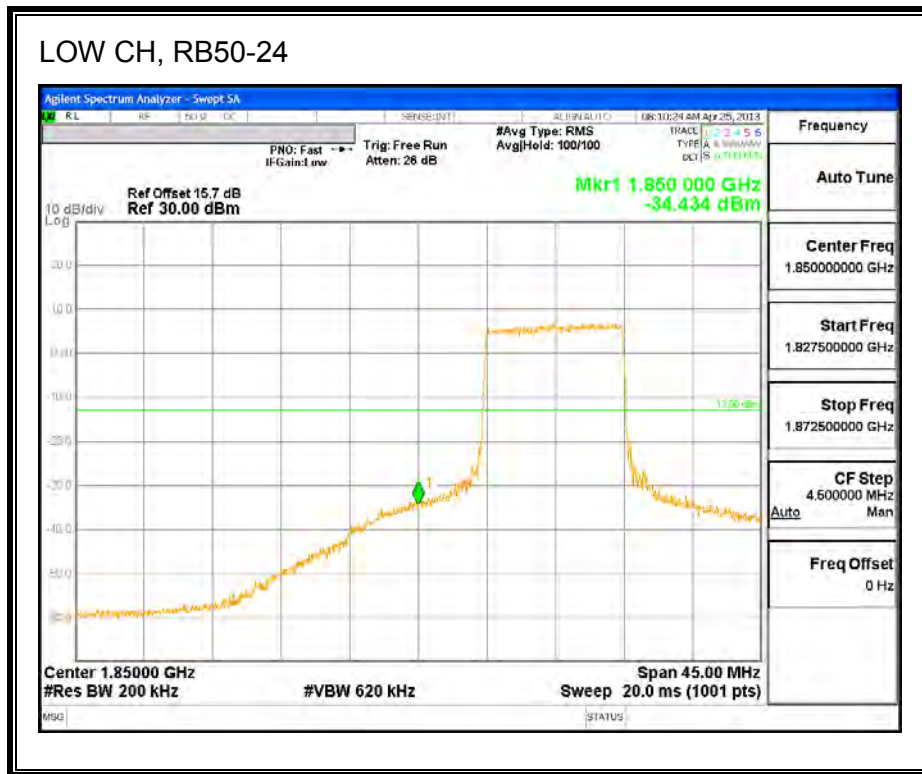


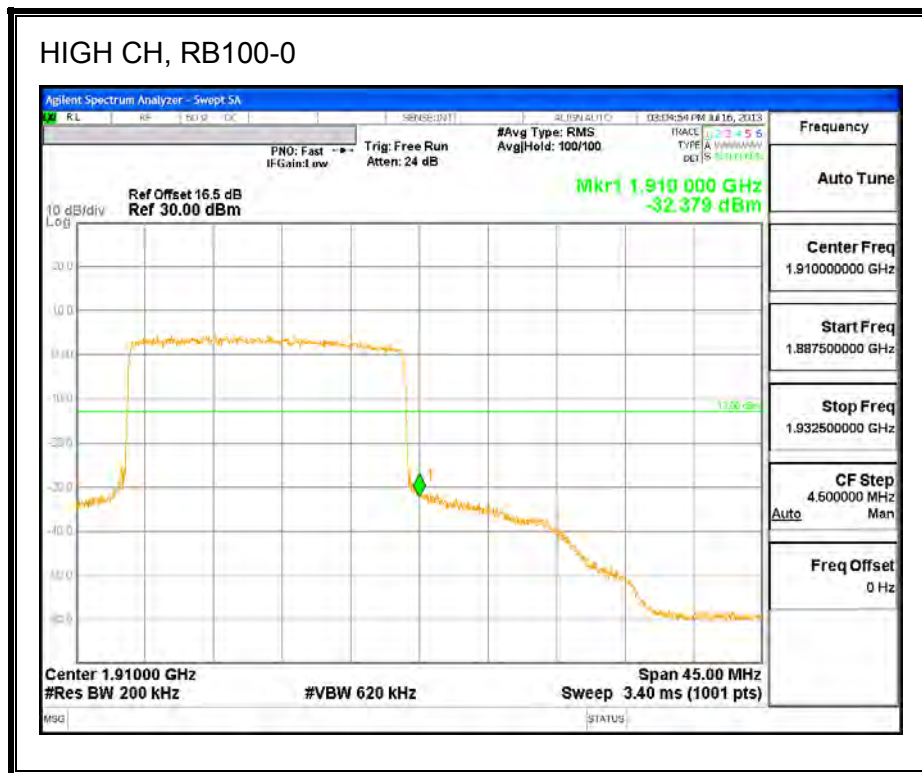
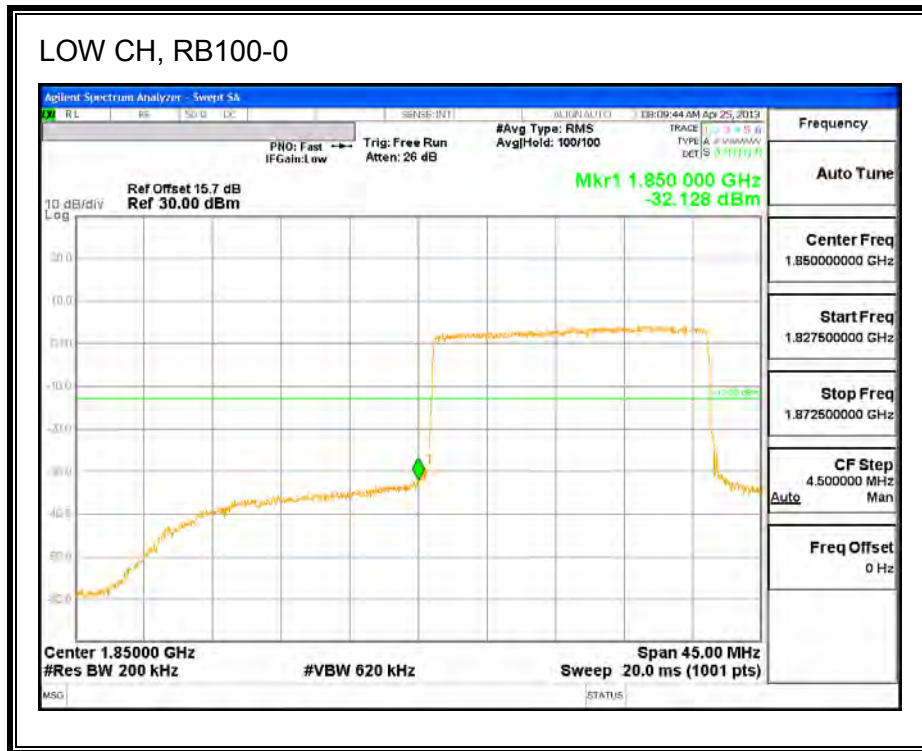


16QAM Band 2 (20.0 MHz BAND WIDTH)



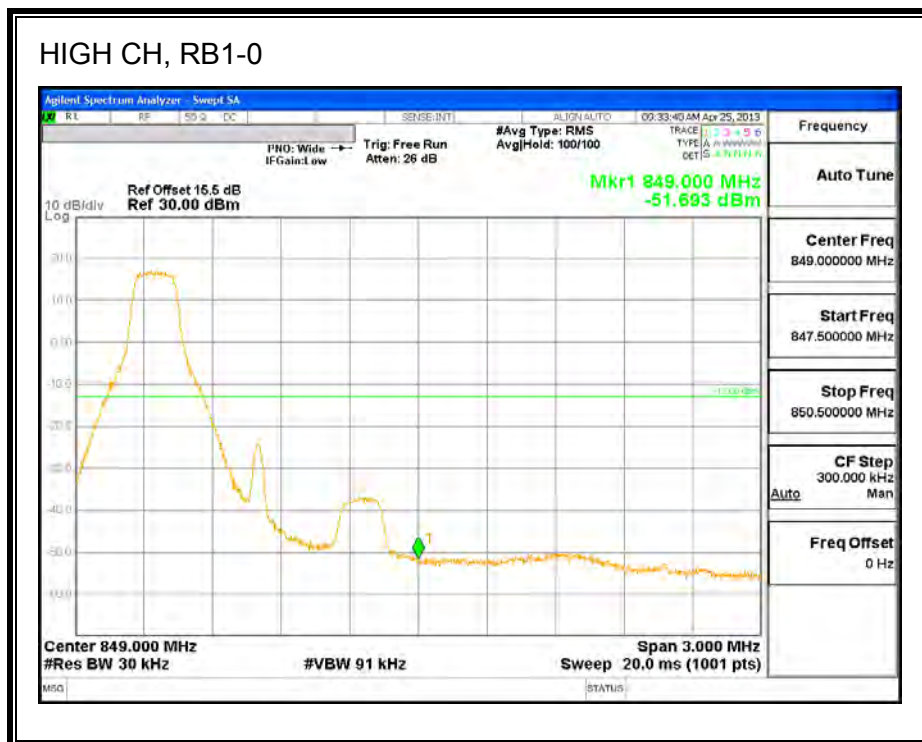
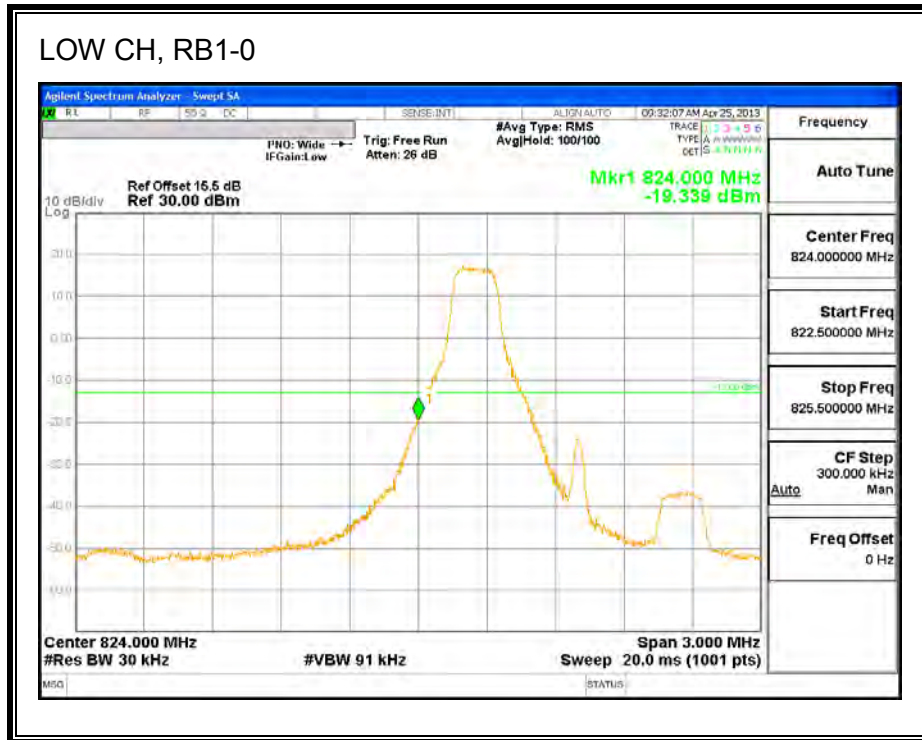


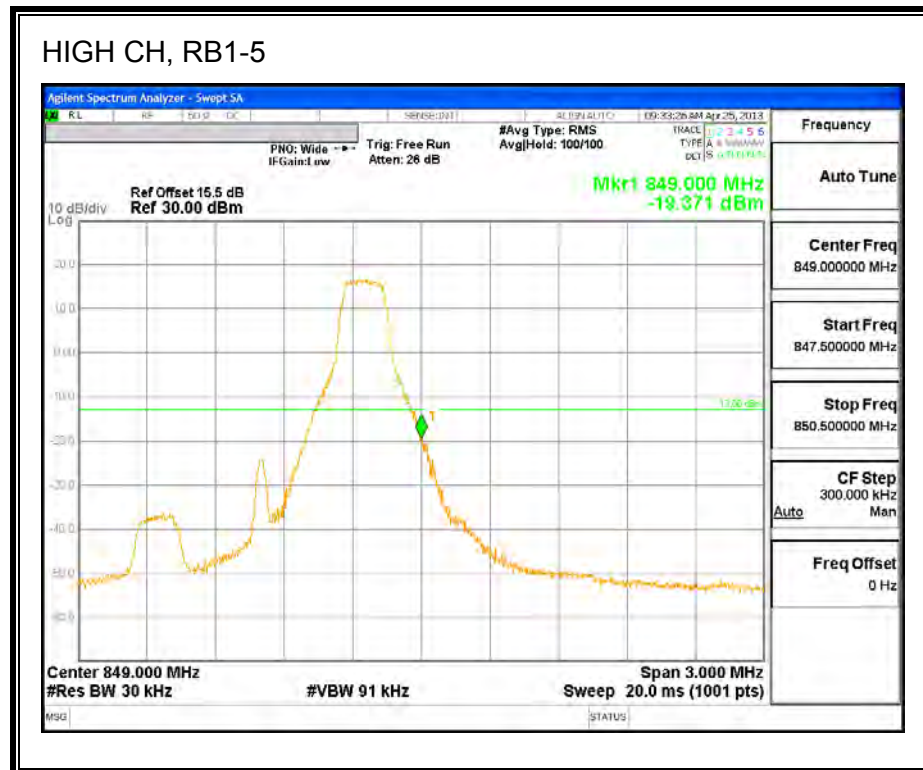
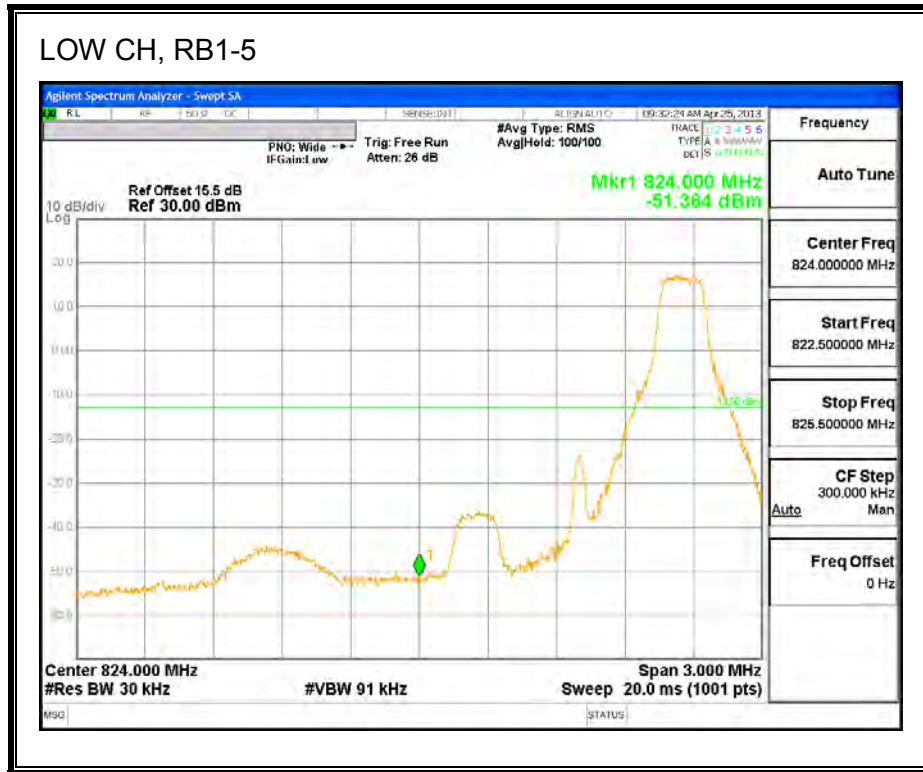


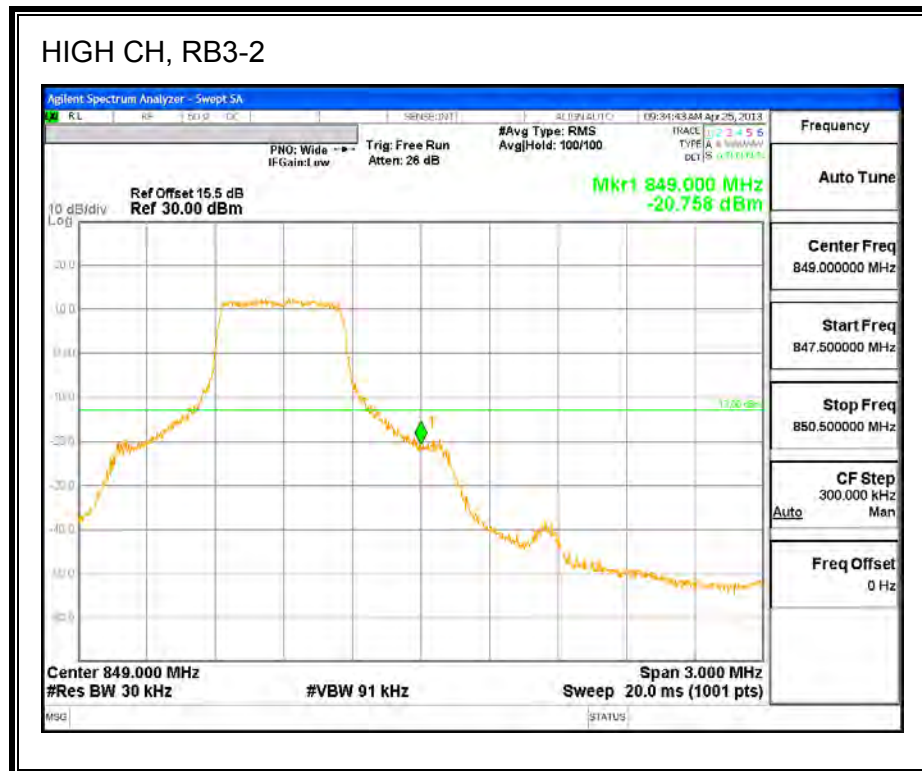
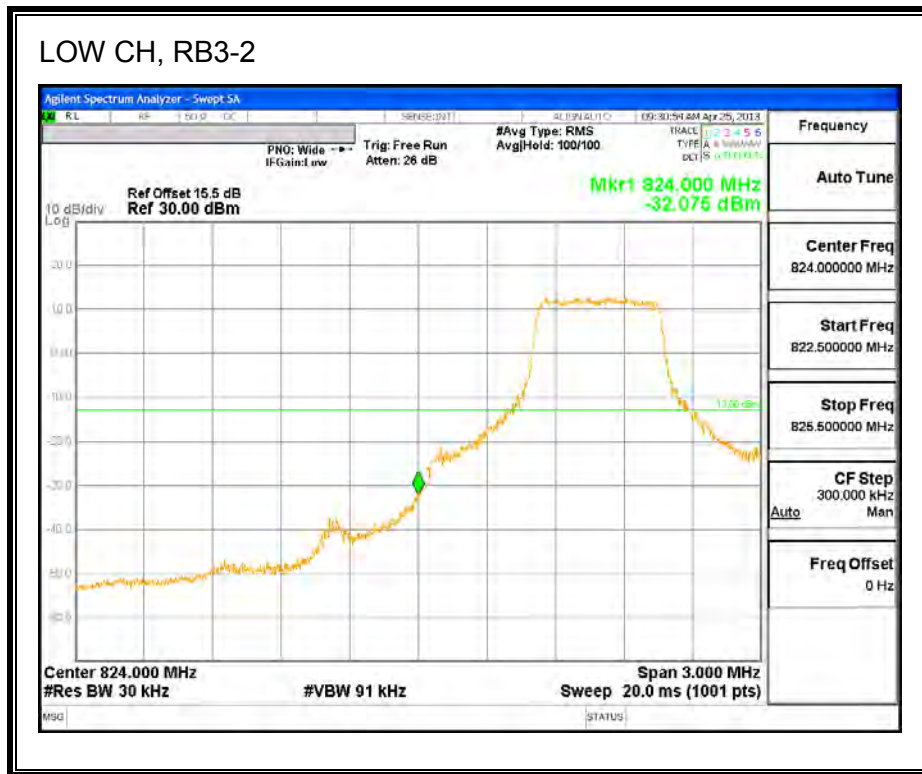


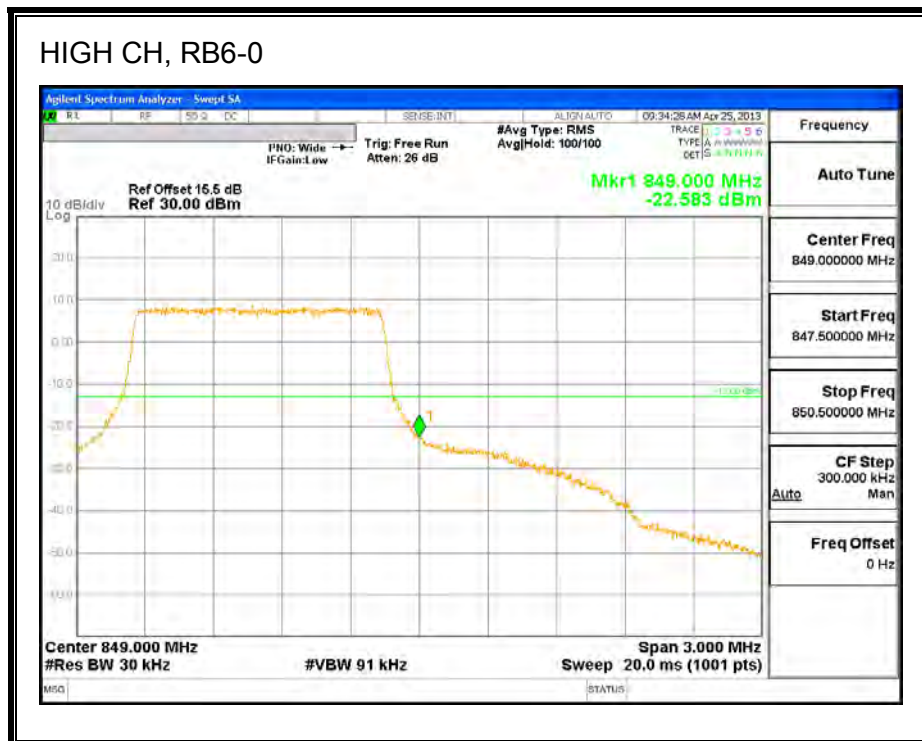
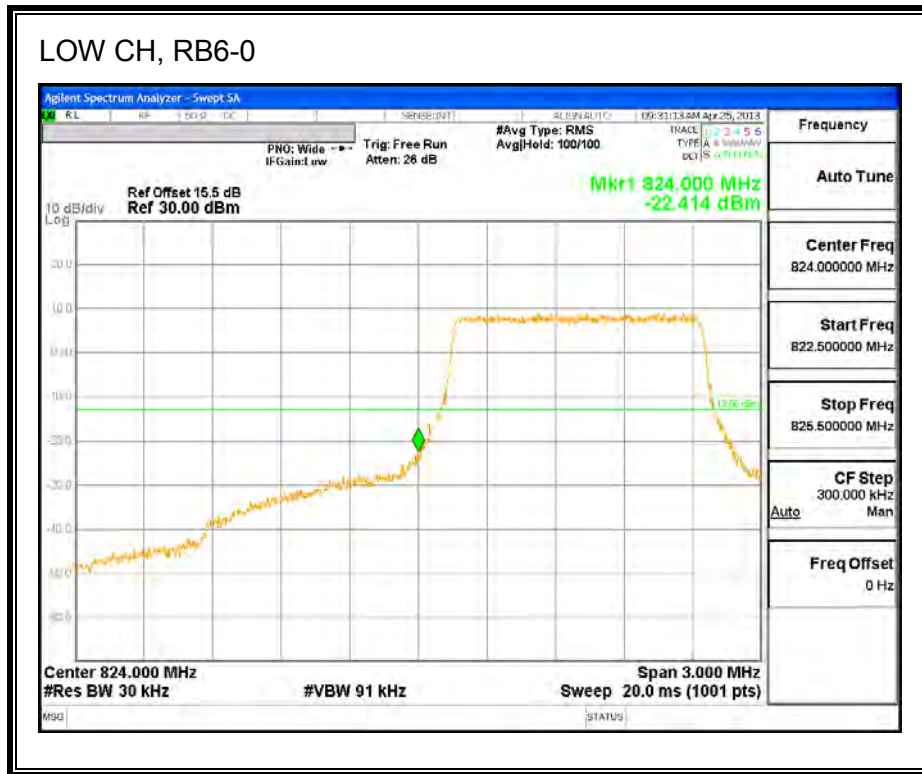
8.2.2. LTE BAND 5

QPSK Band 5 (1.4 MHz BANDWIDTH)

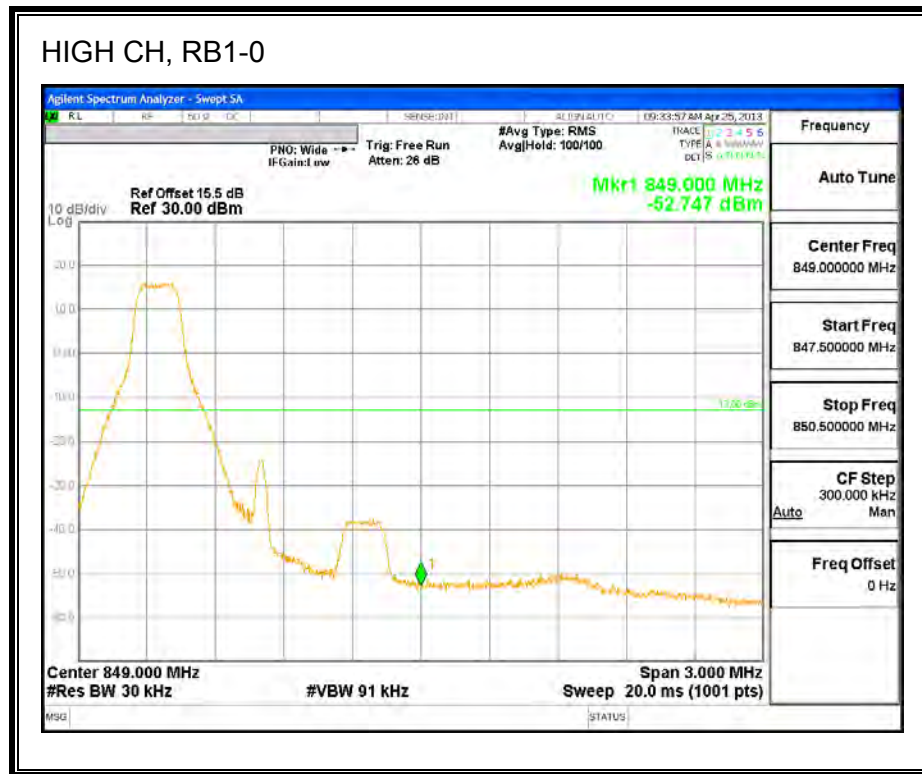
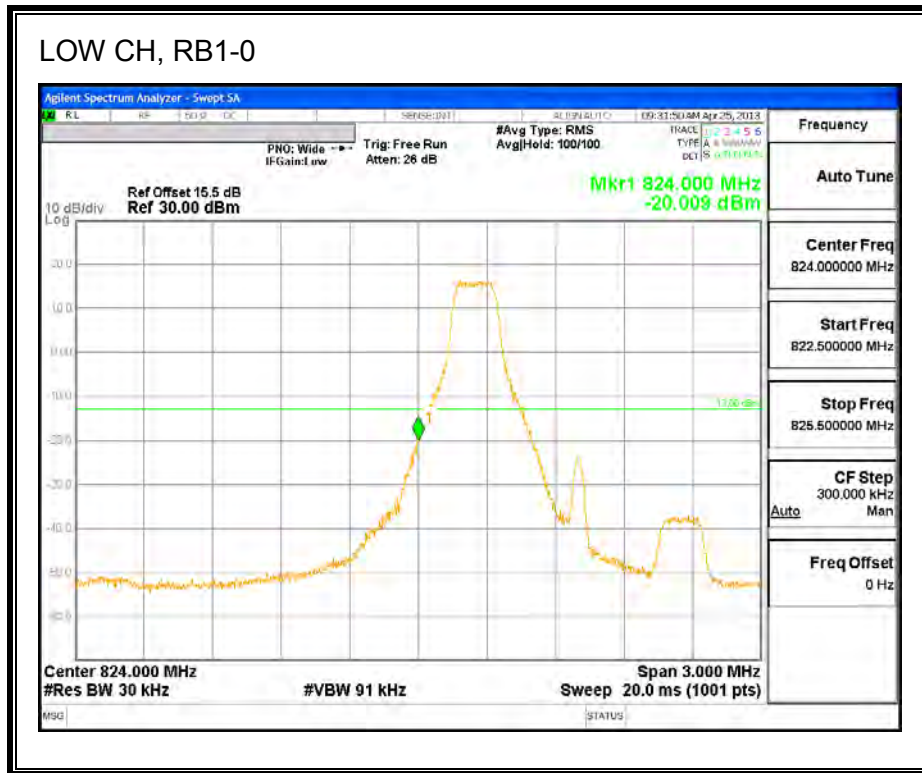


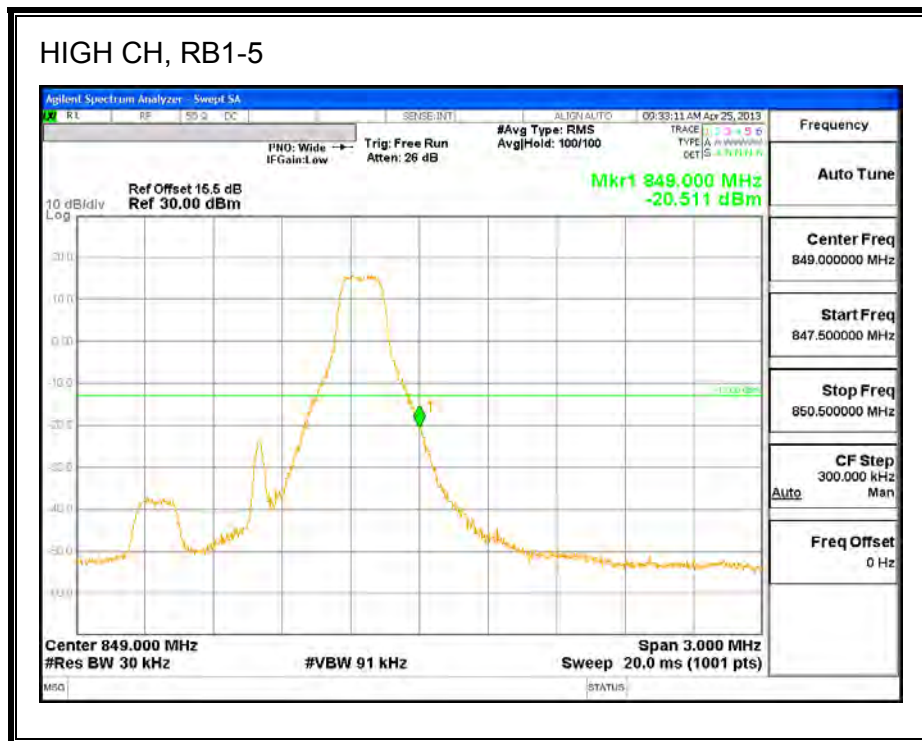
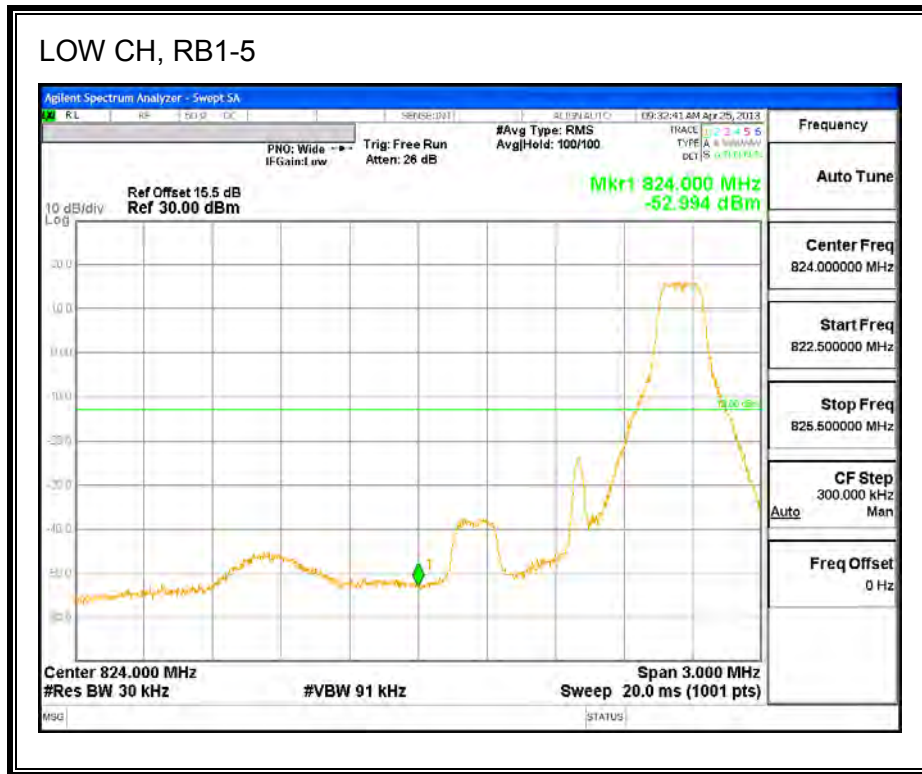


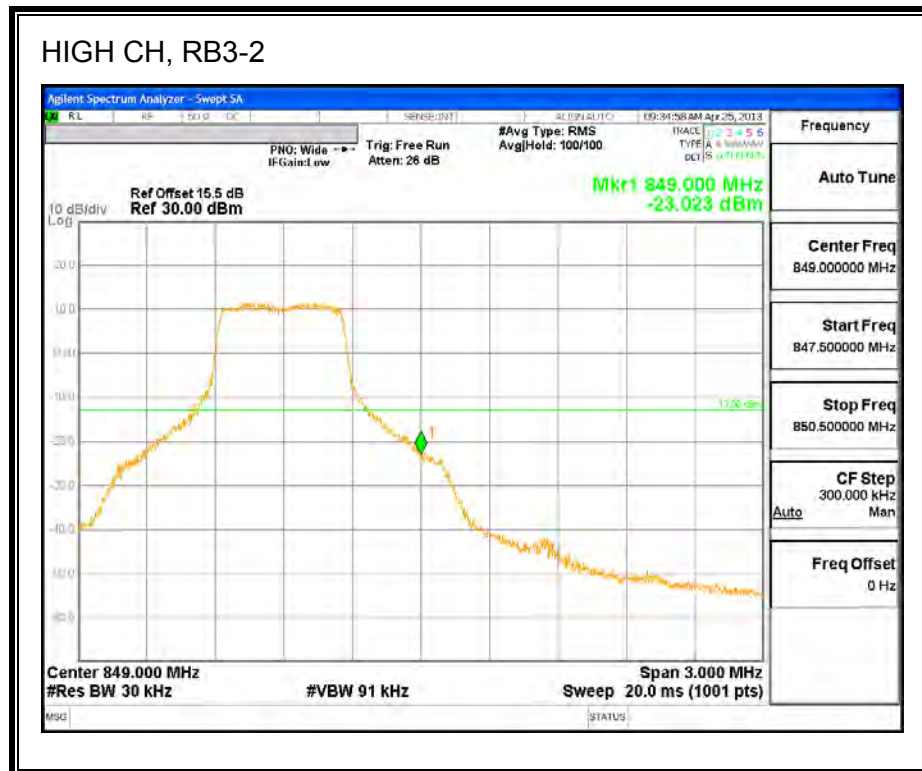
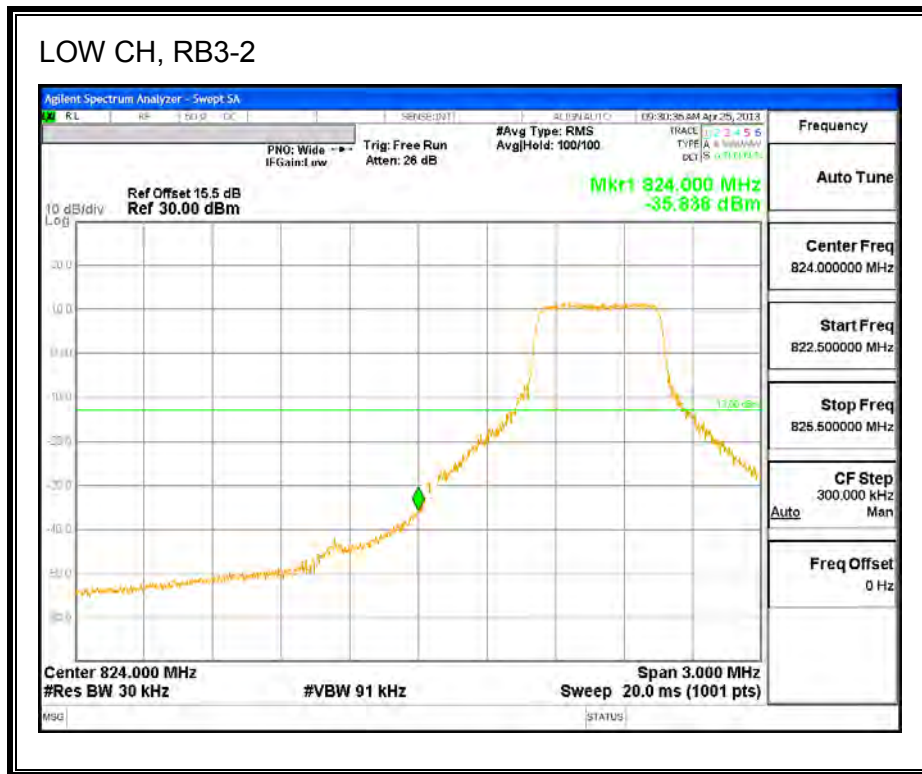


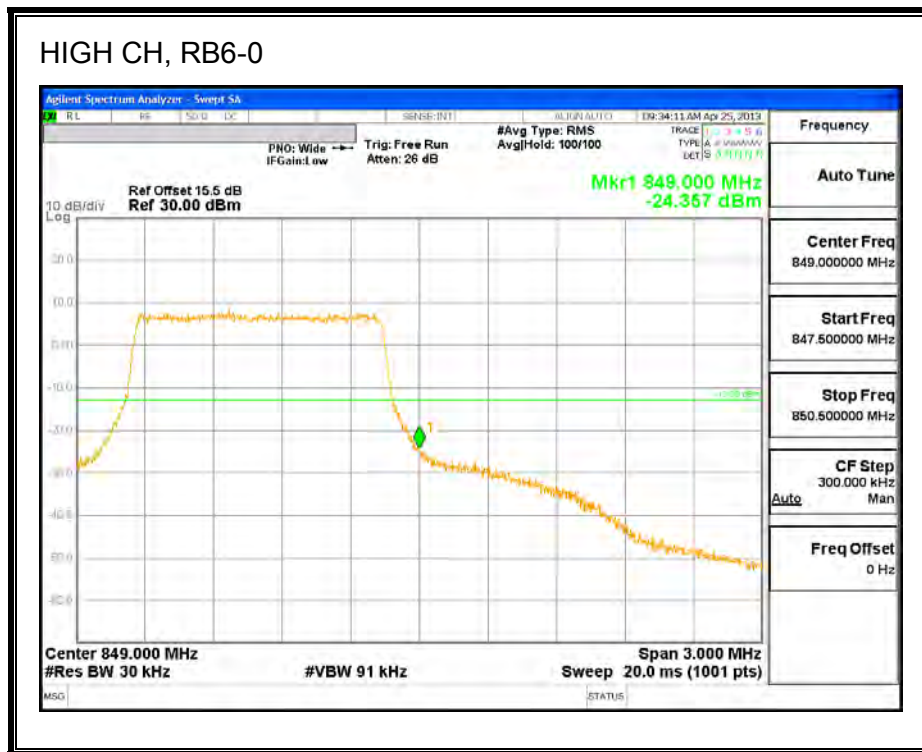
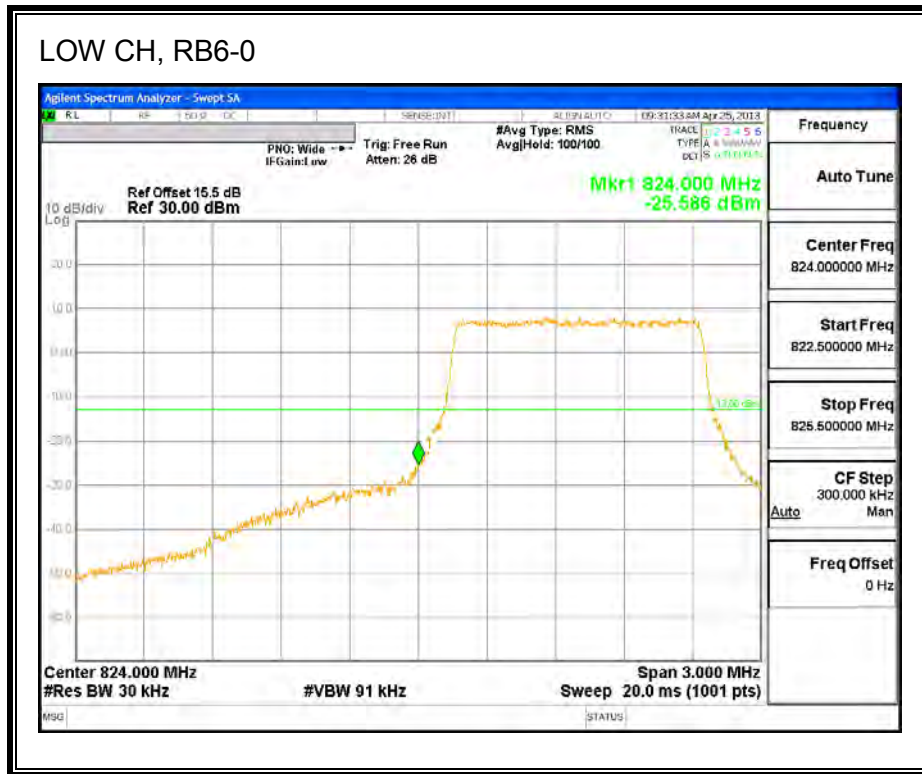


16QAM Band 5 (1.4 MHz BANDWIDTH)

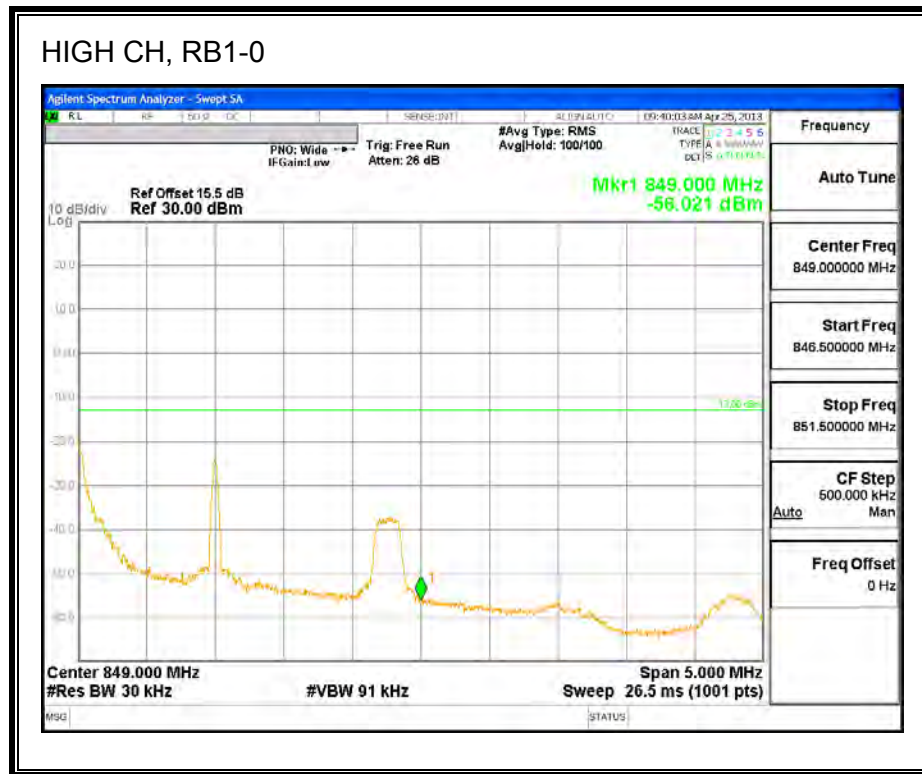
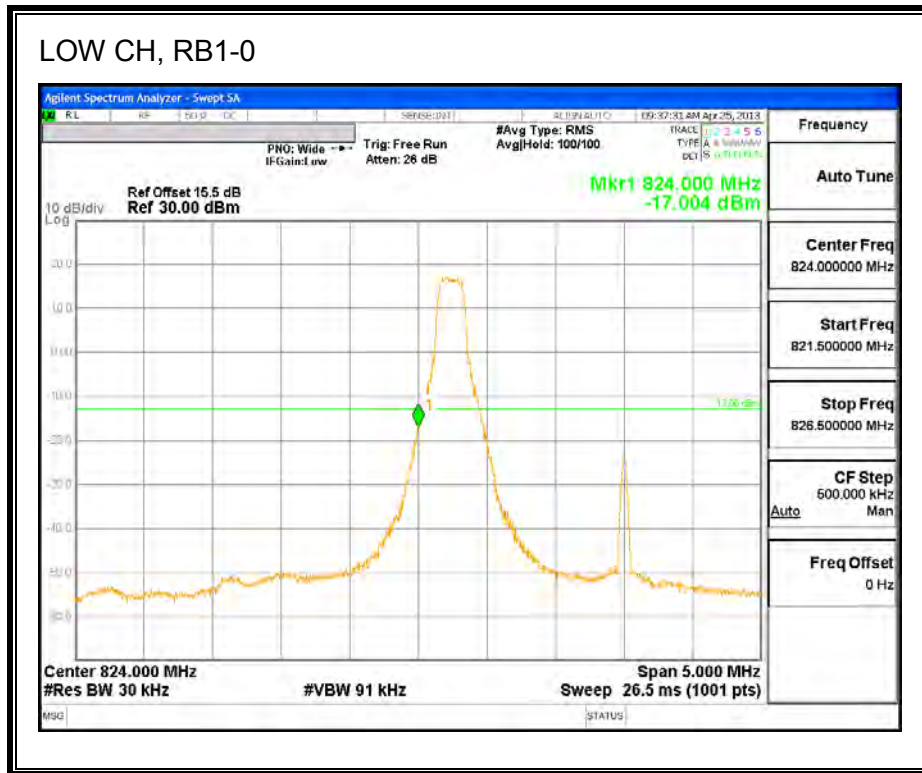


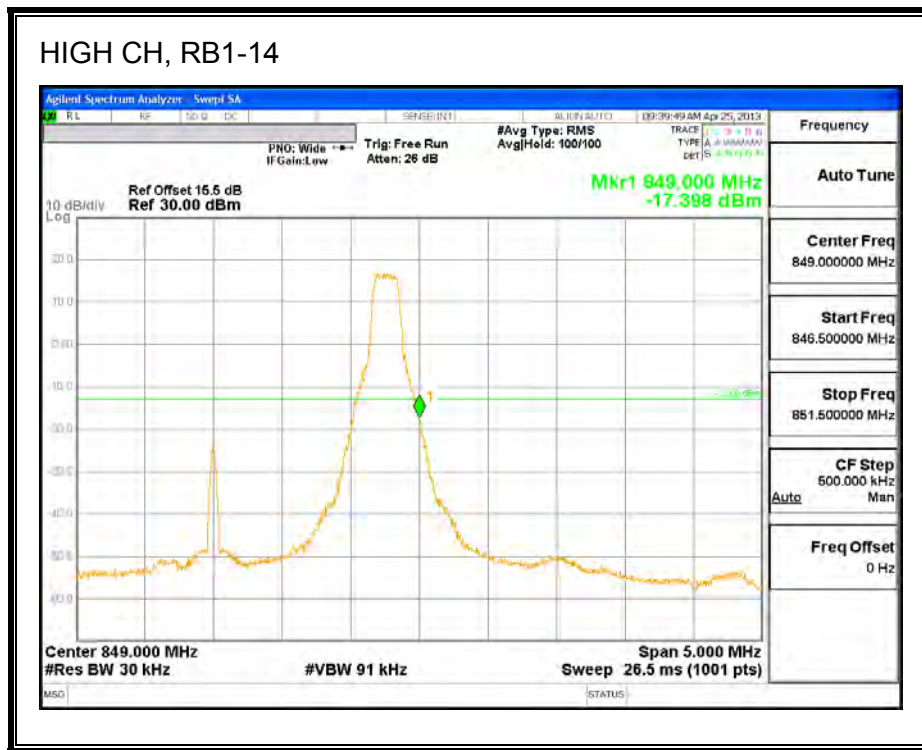
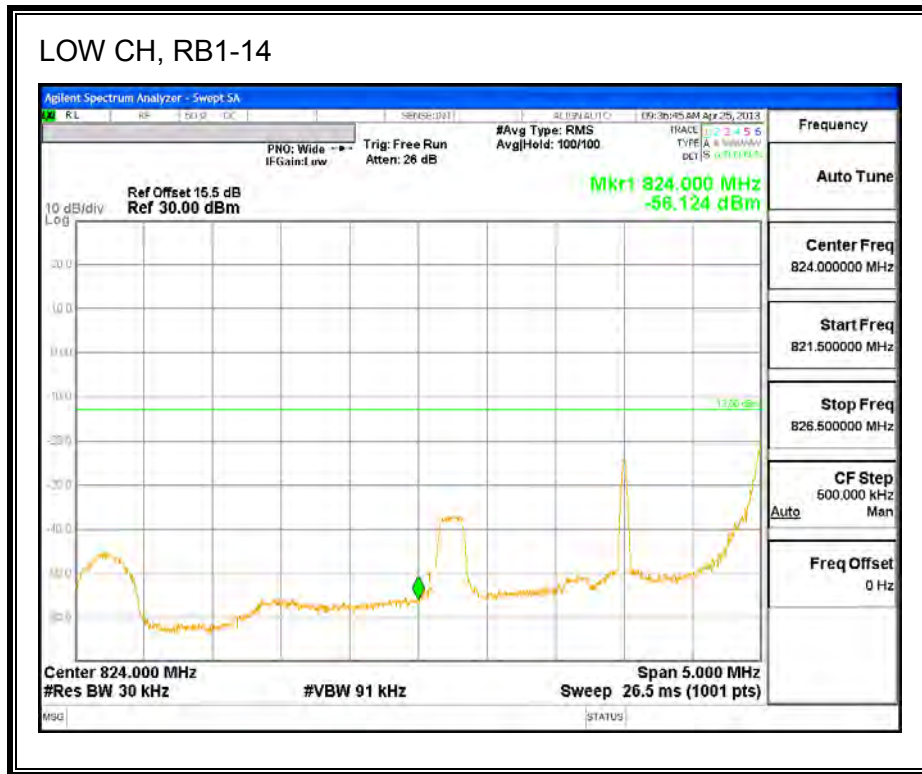


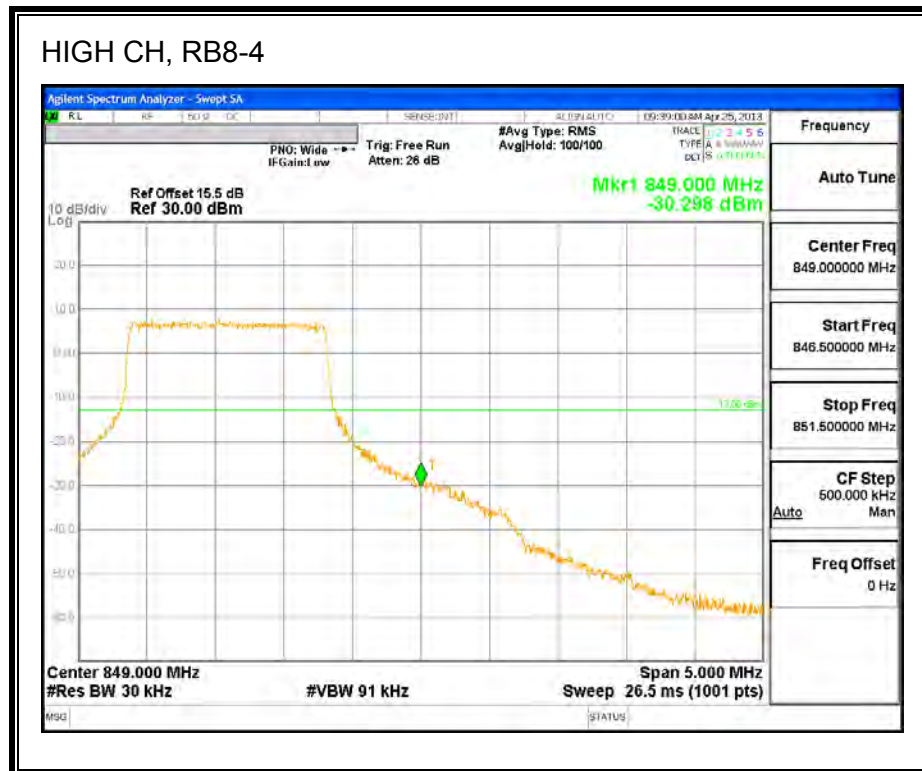
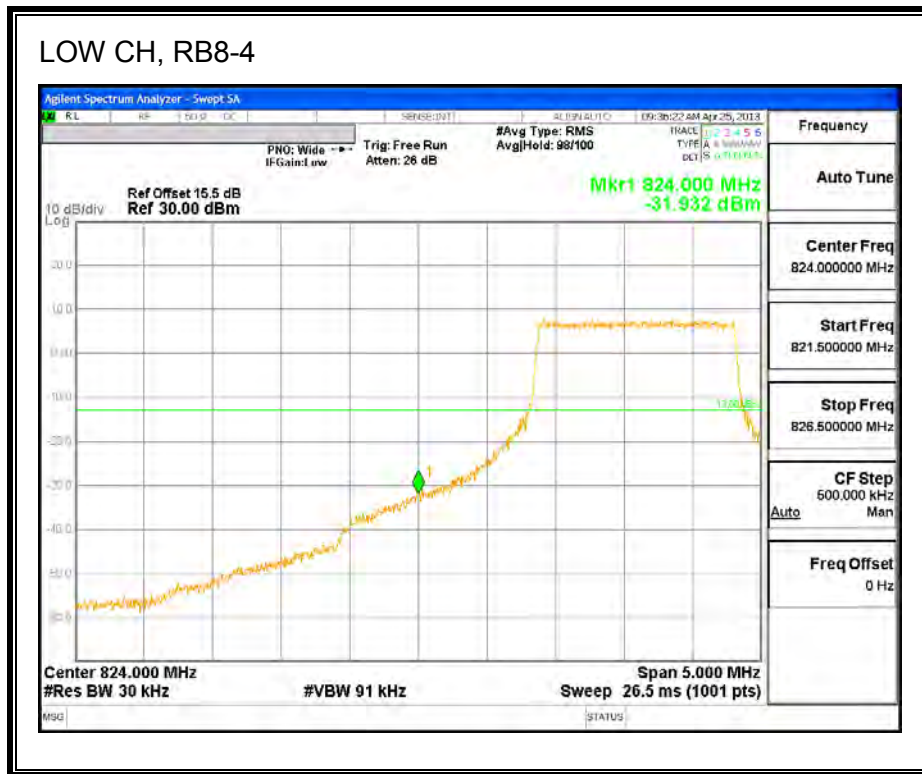


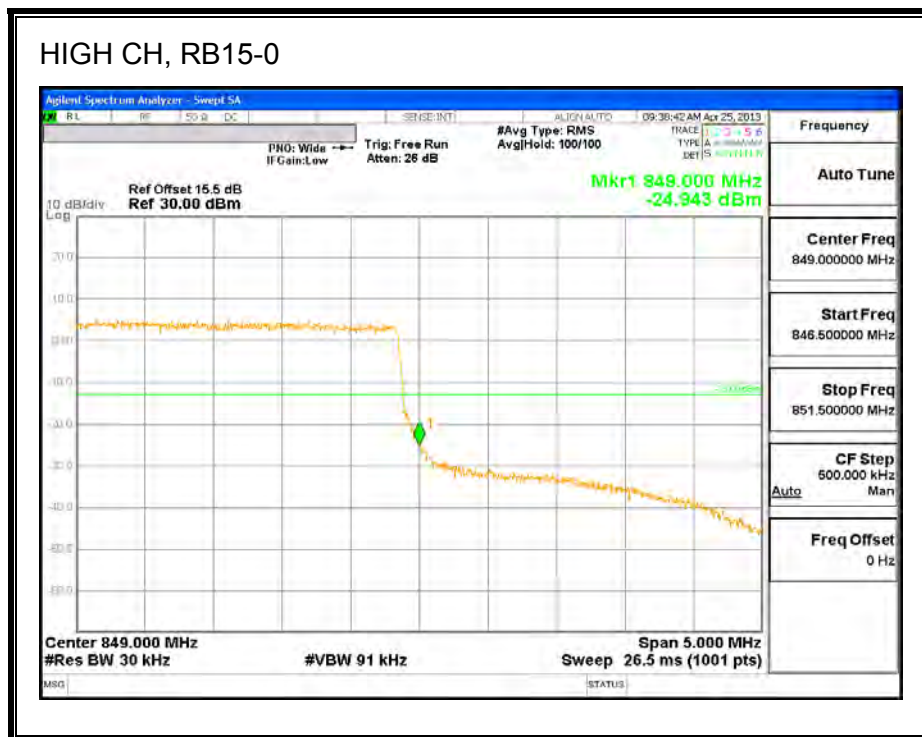
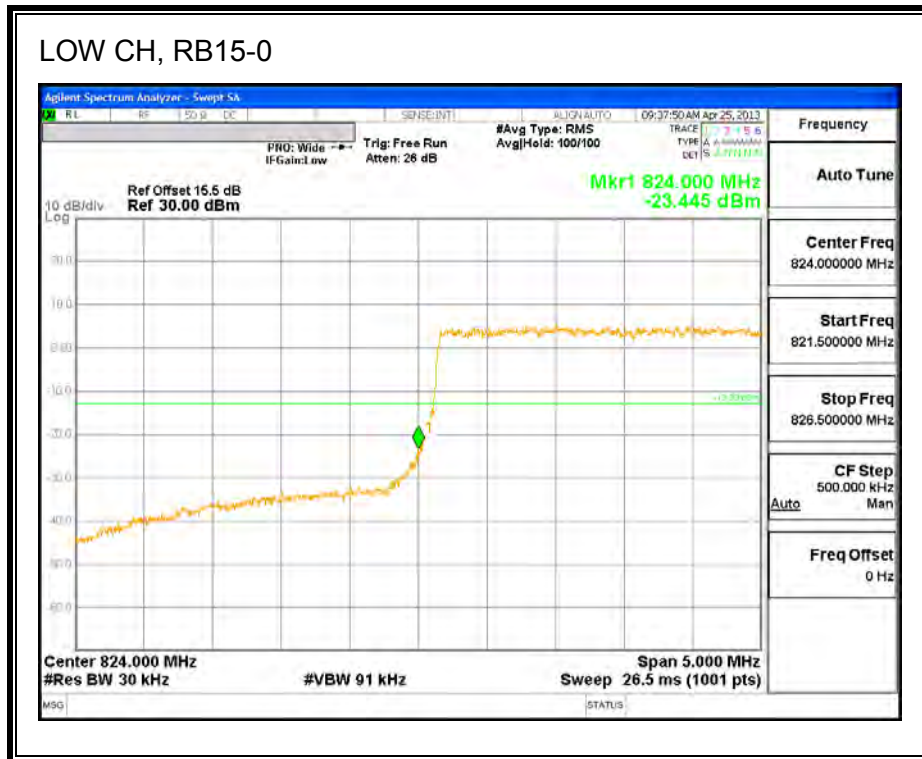


QPSK Band 5 (3 MHz BANDWIDTH)

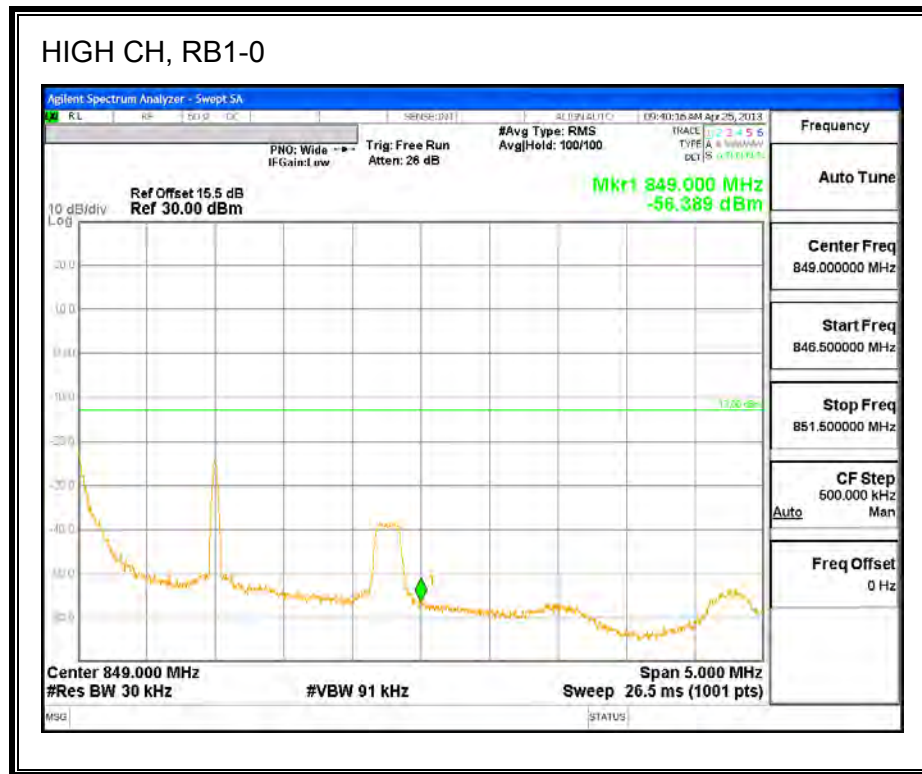
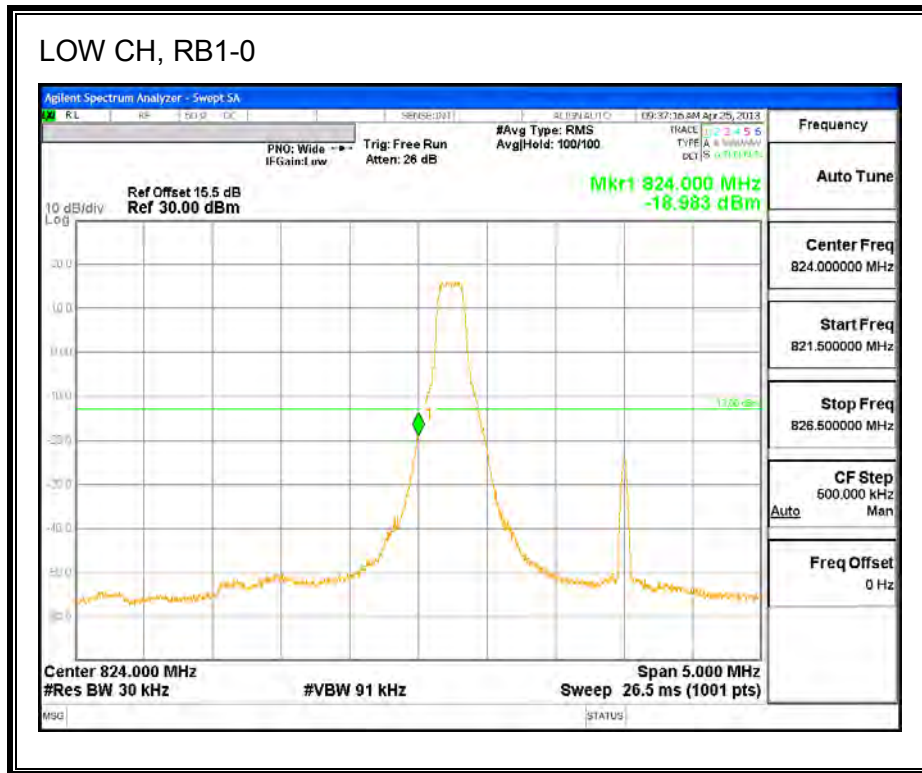


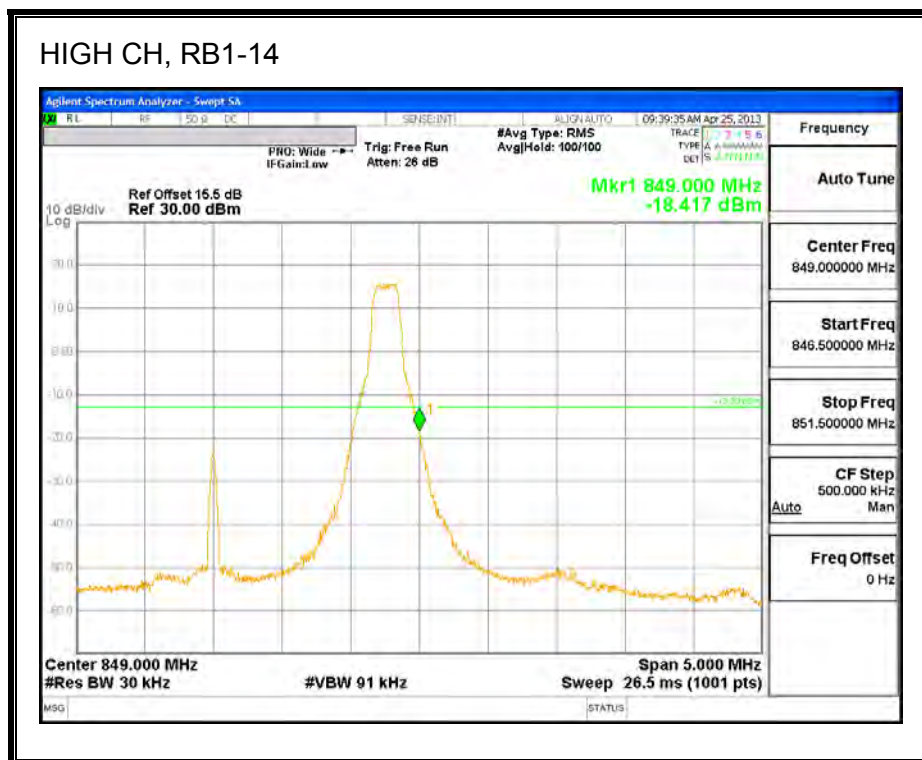
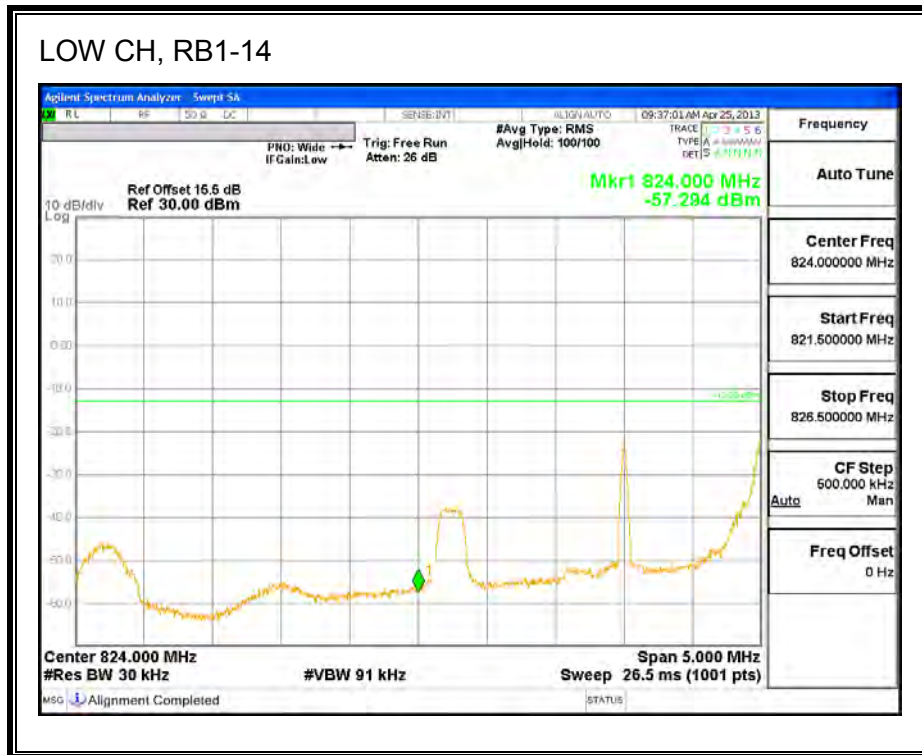


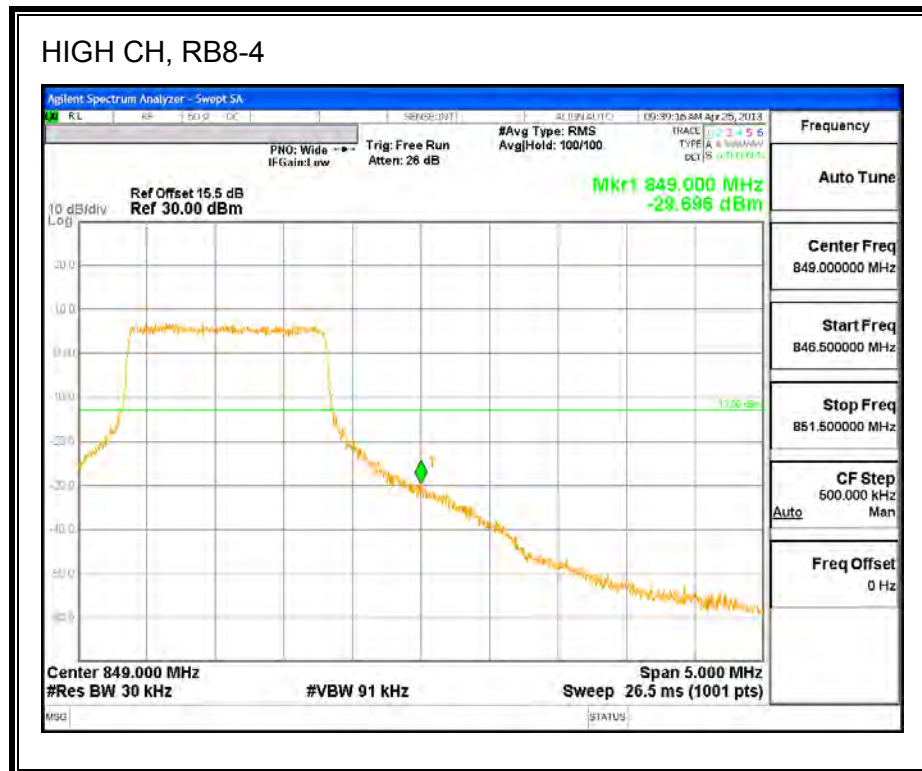
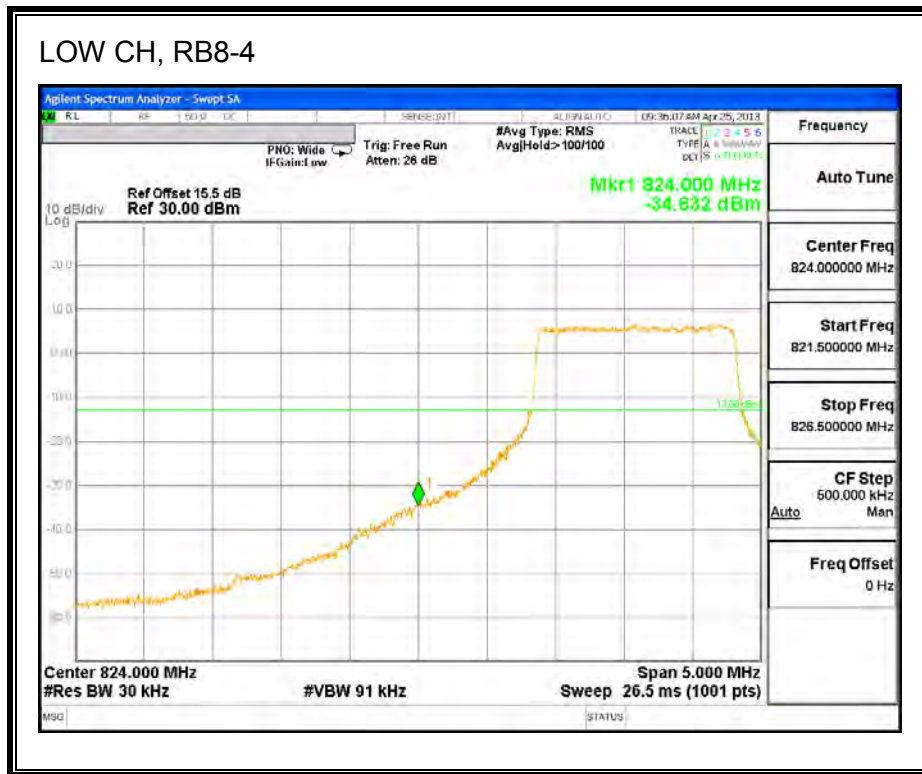


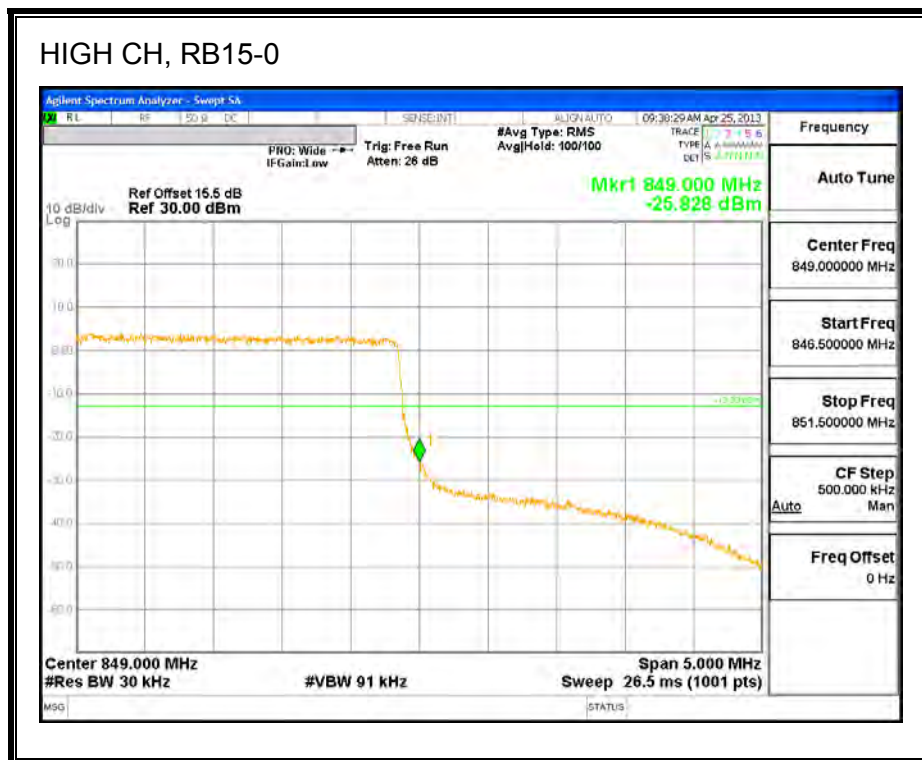
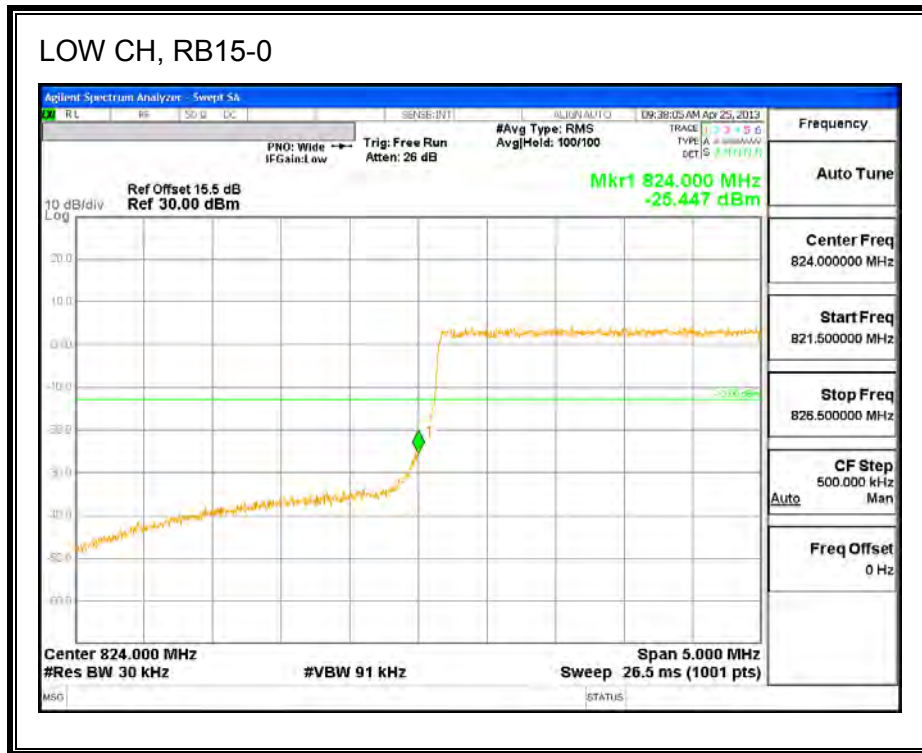


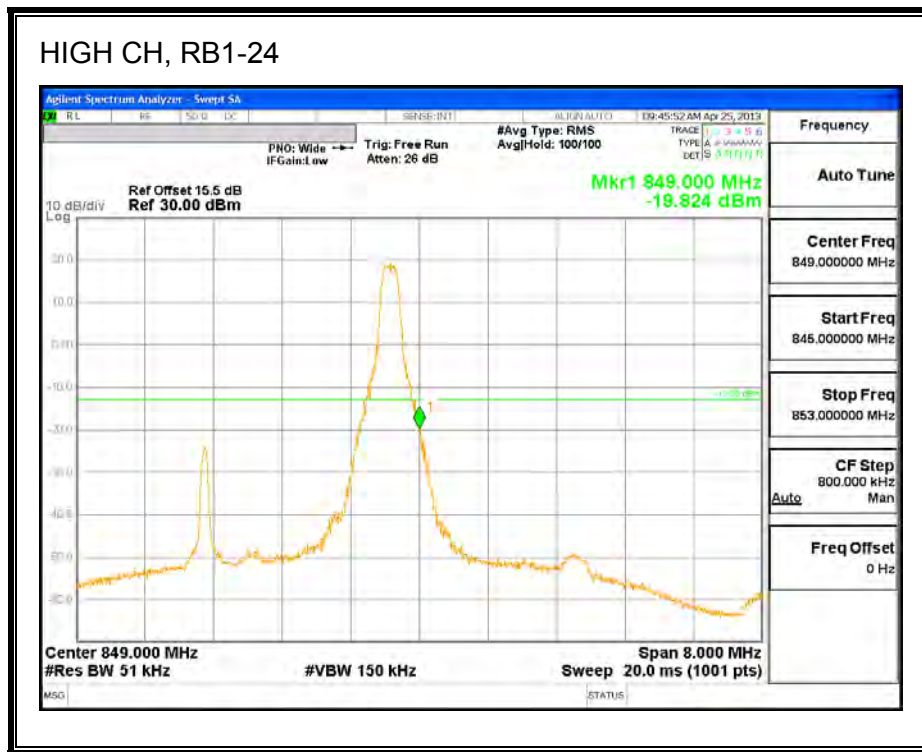
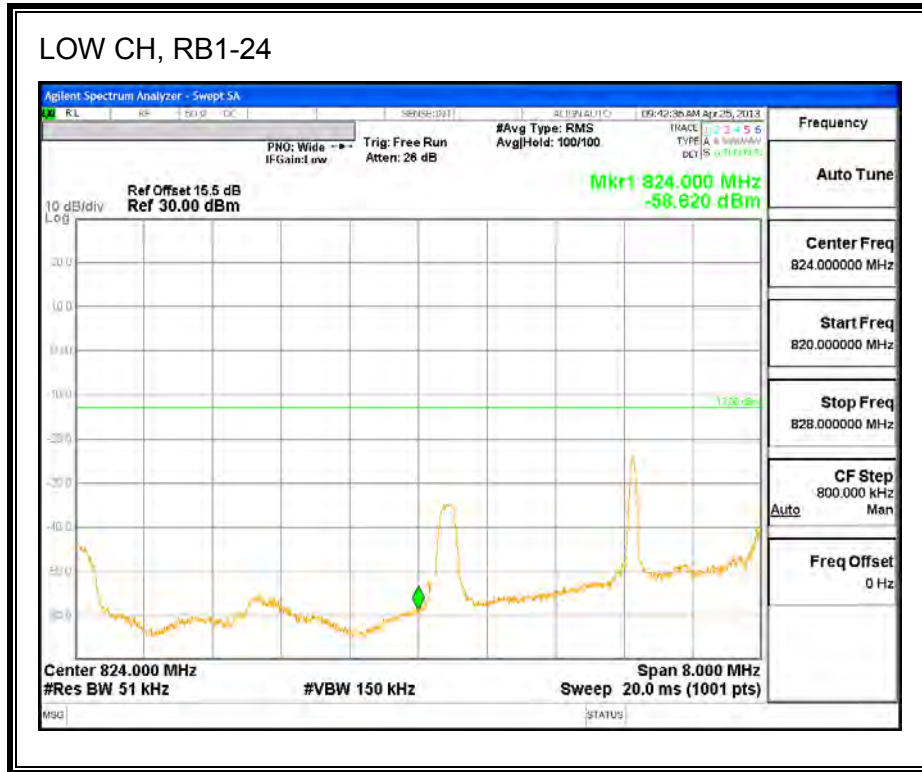
16QAM Band 5 (3 MHz BANDWIDTH)

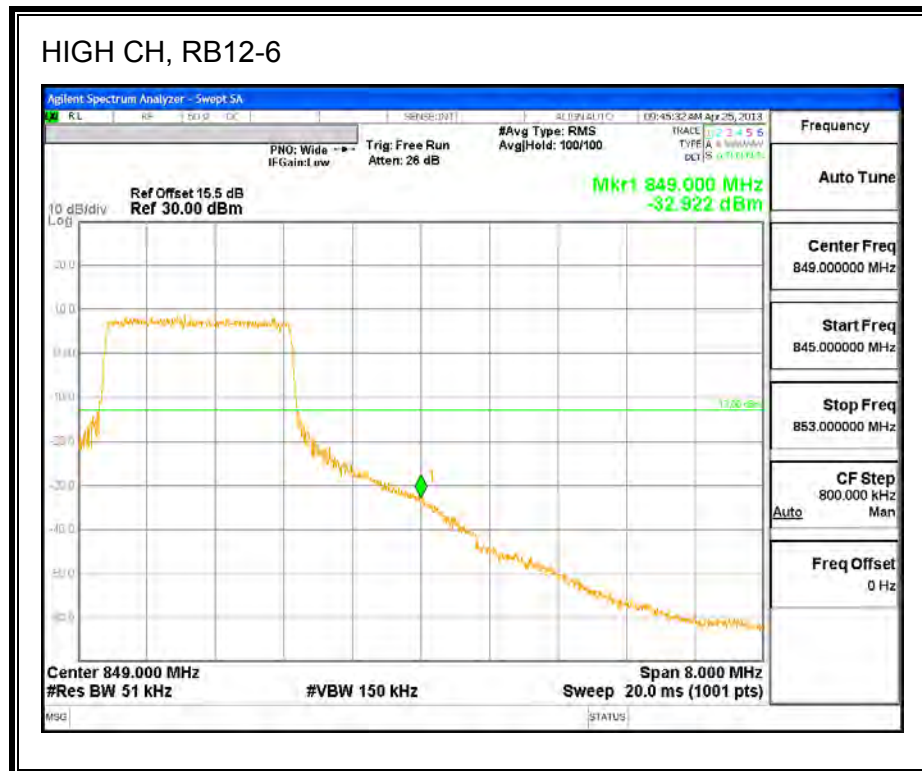
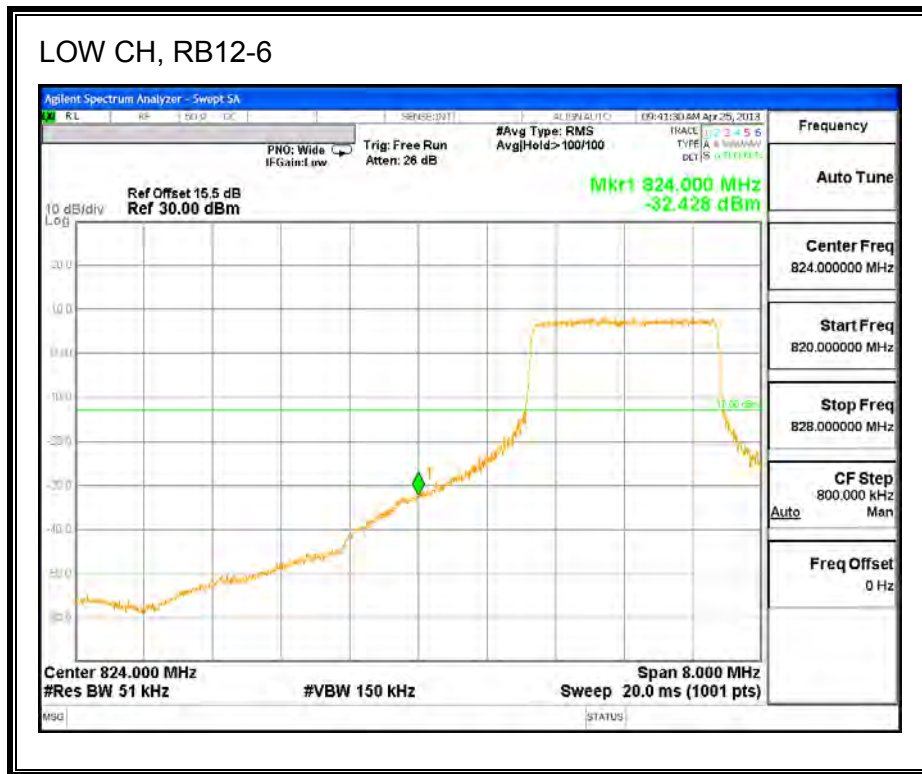


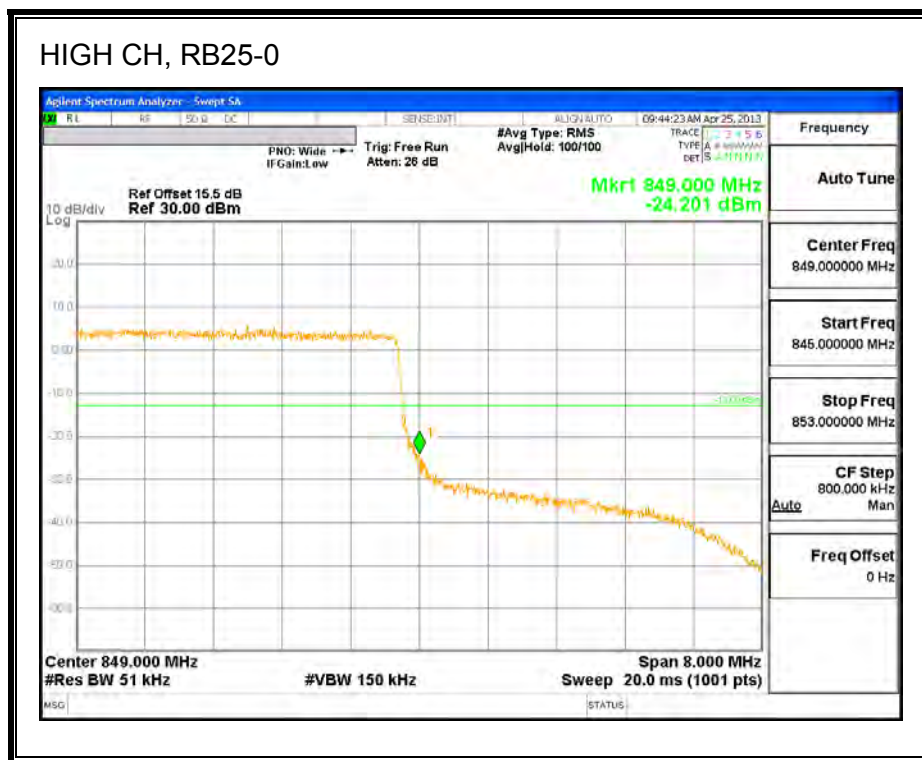
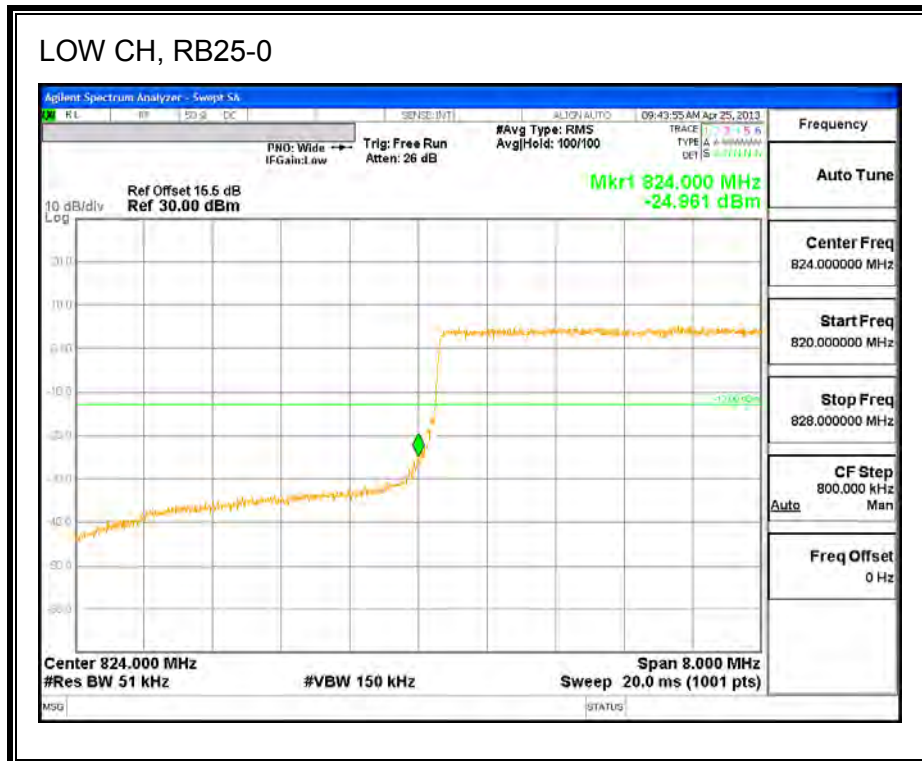




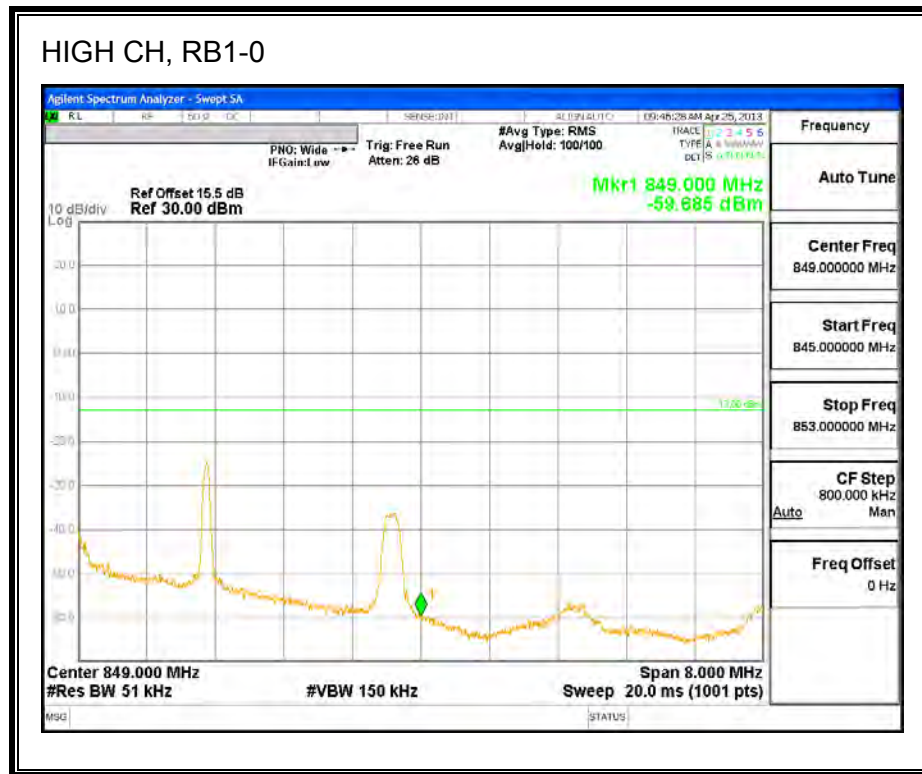
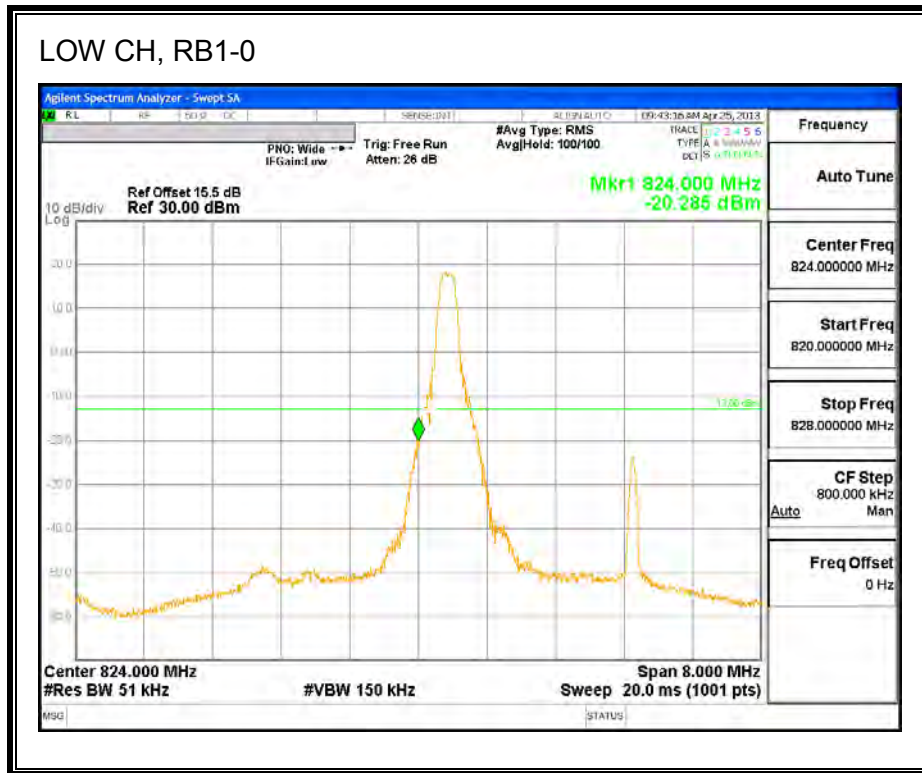


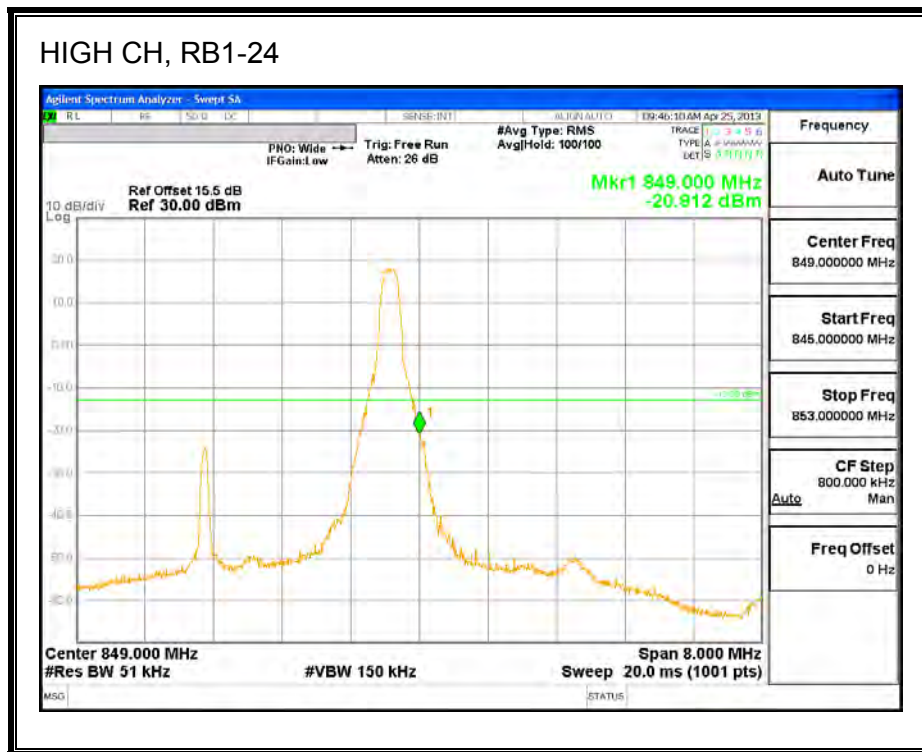
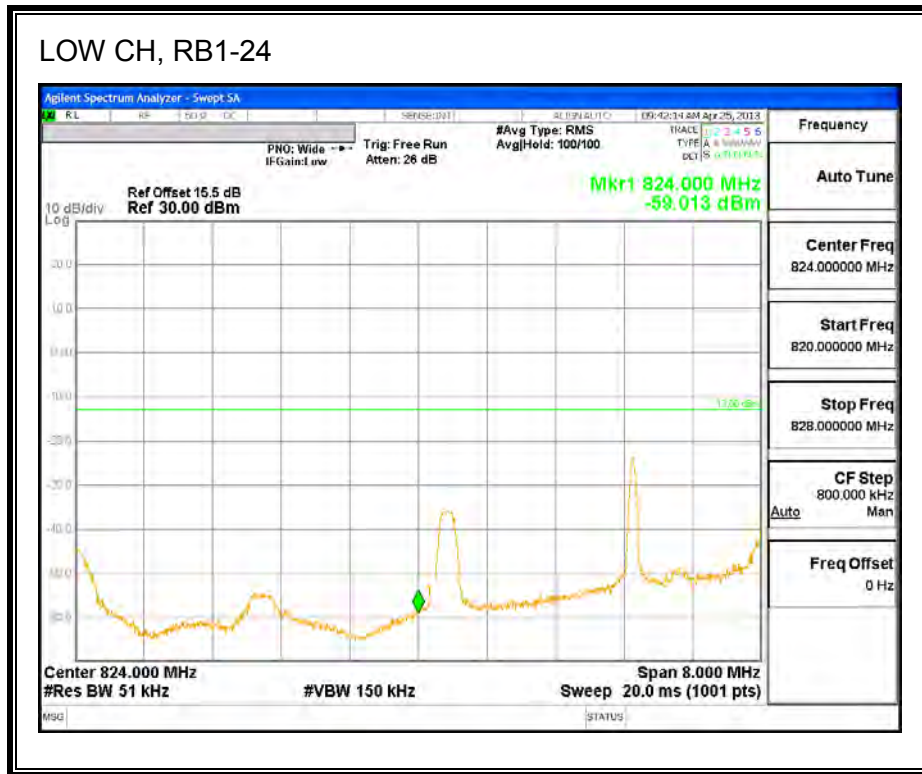


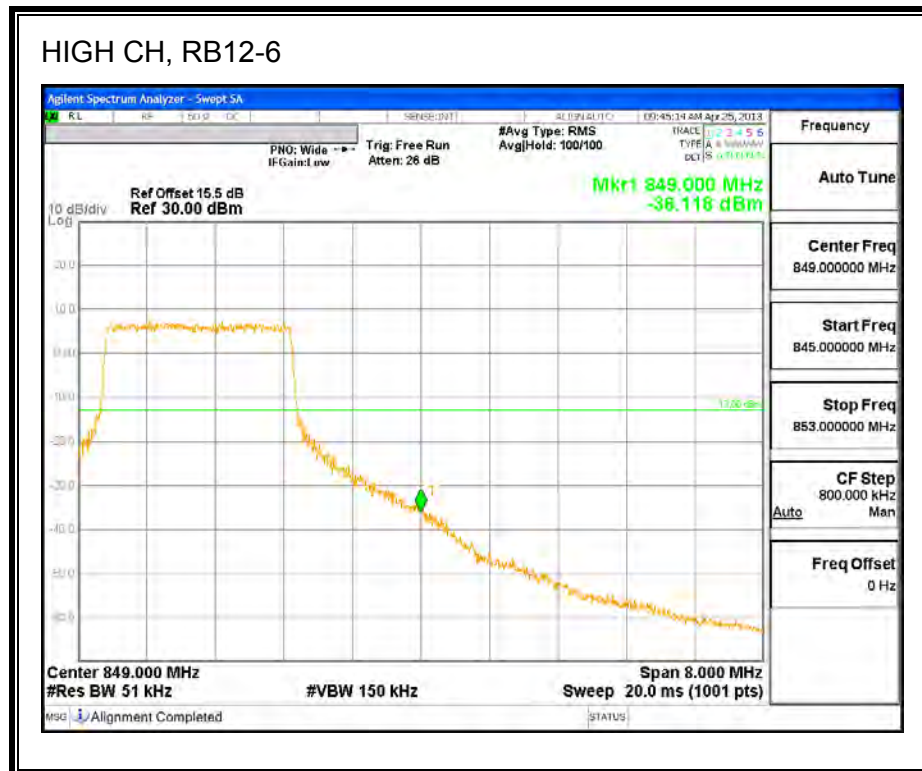
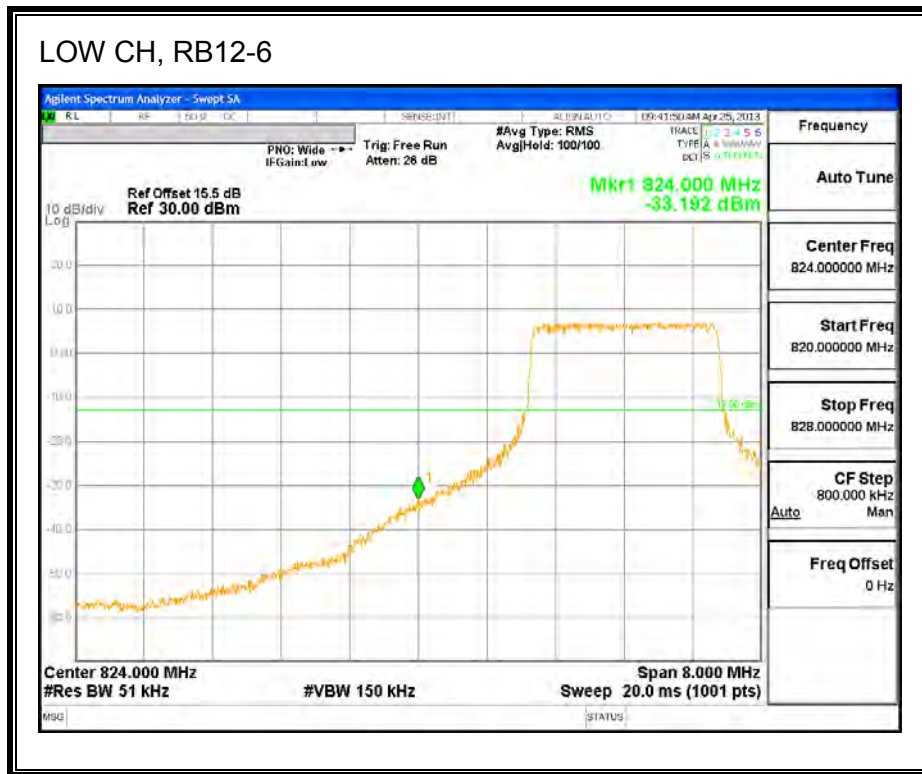


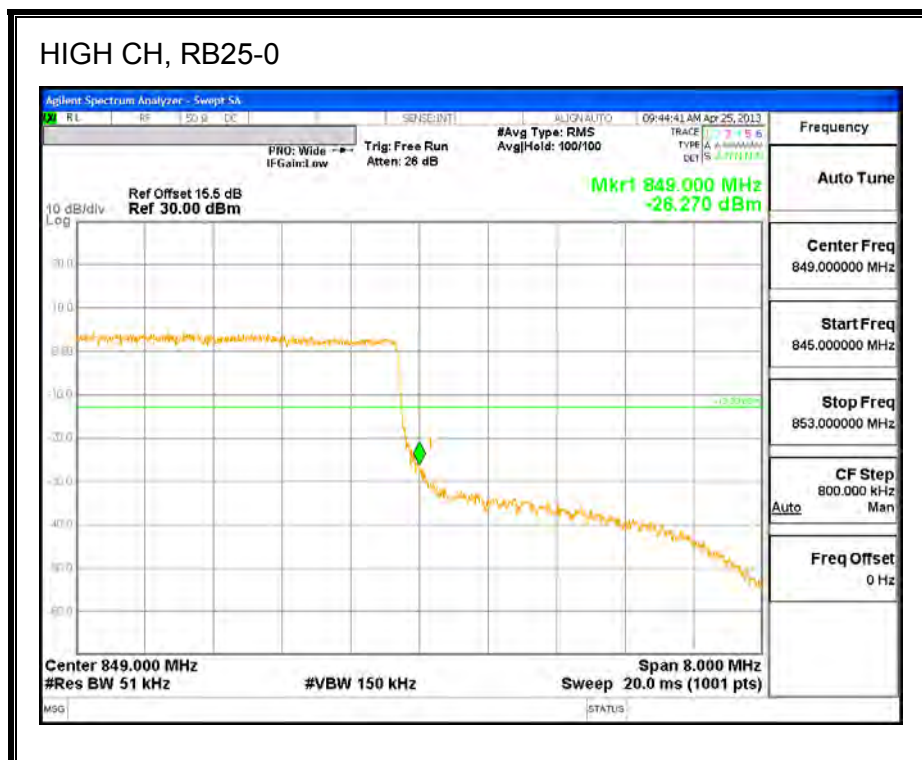
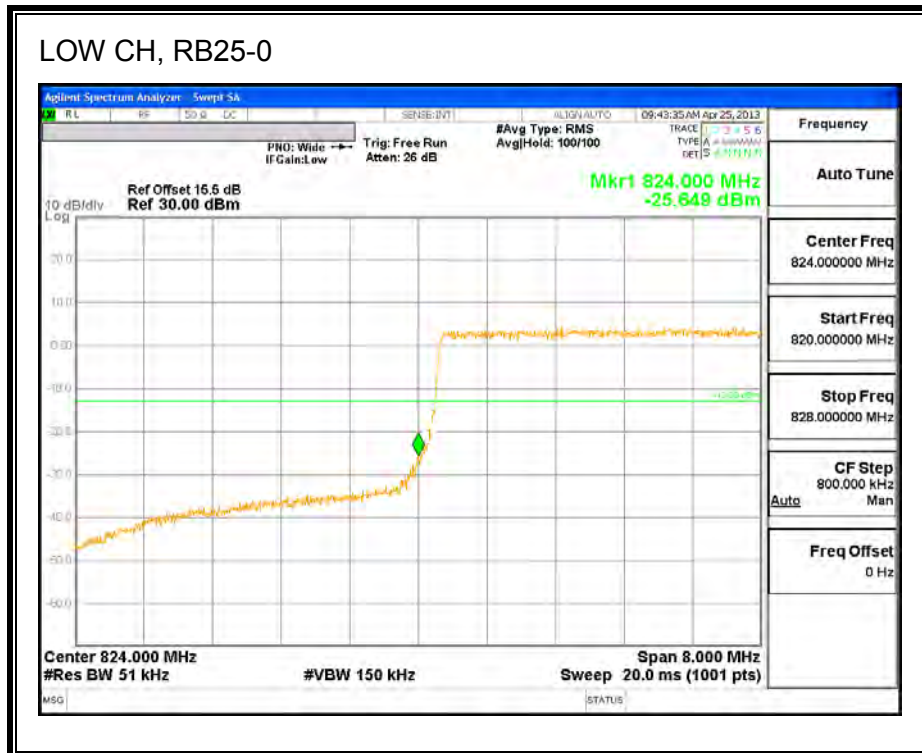


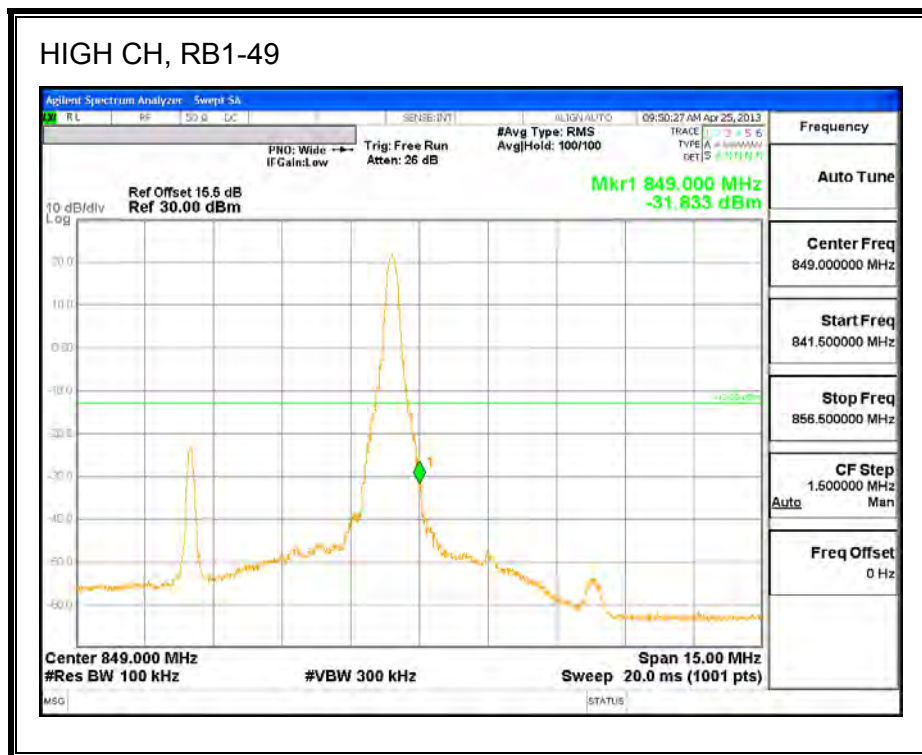
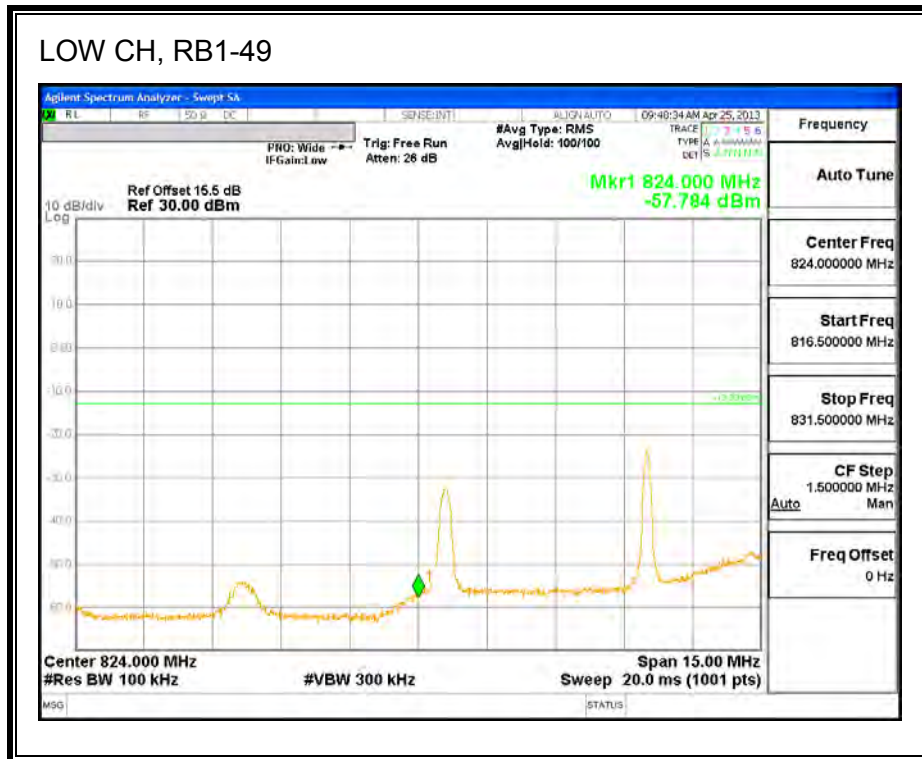
16QAM Band 5 (5 MHz BANDWIDTH)

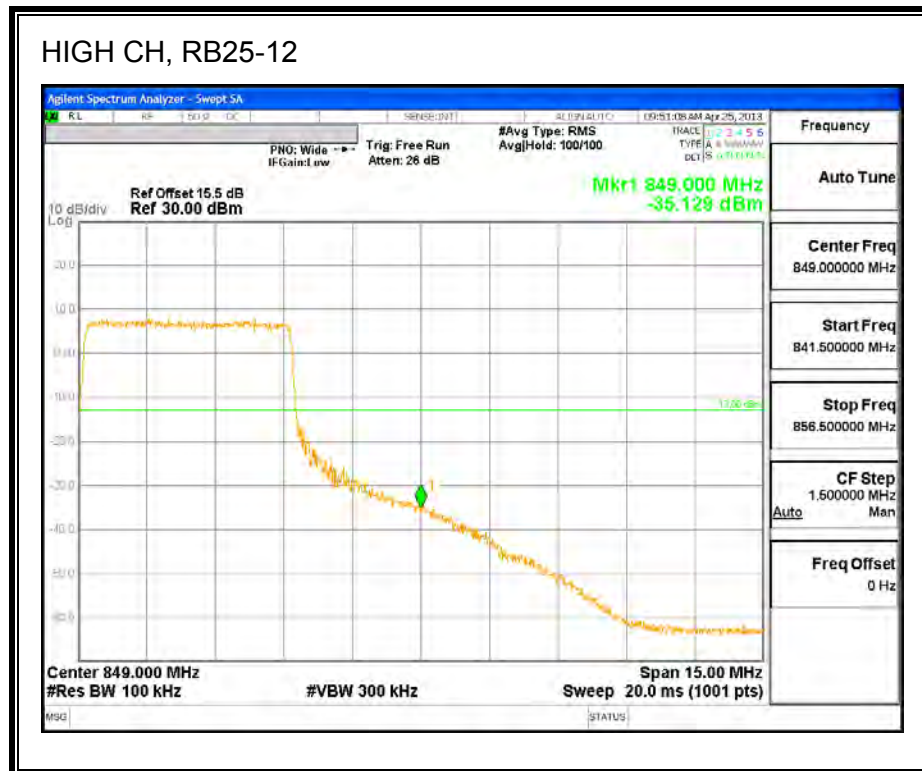
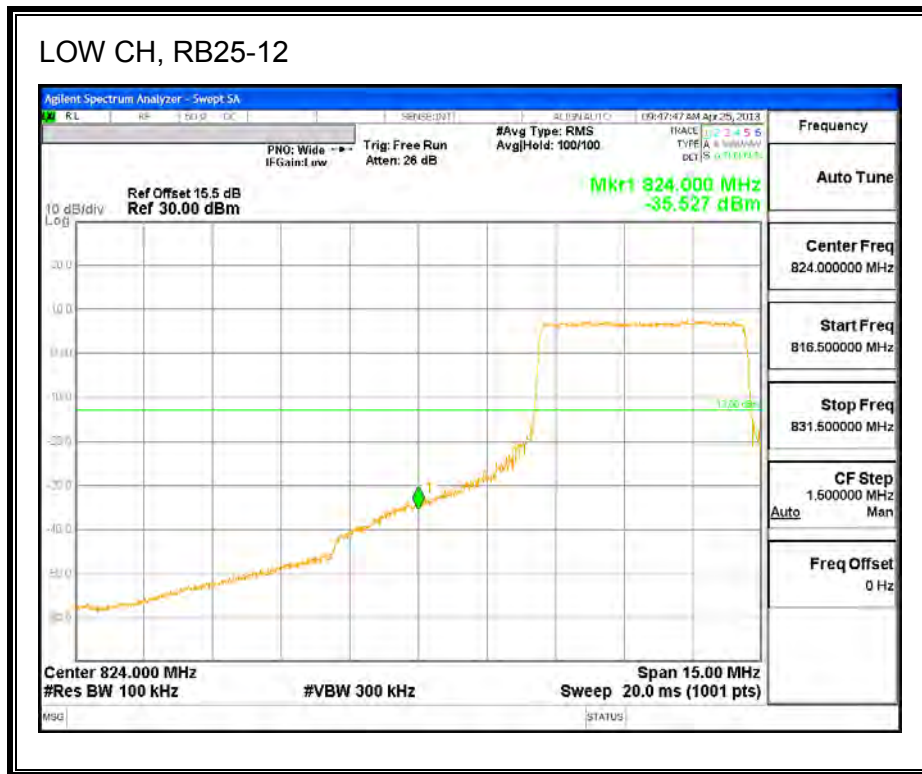


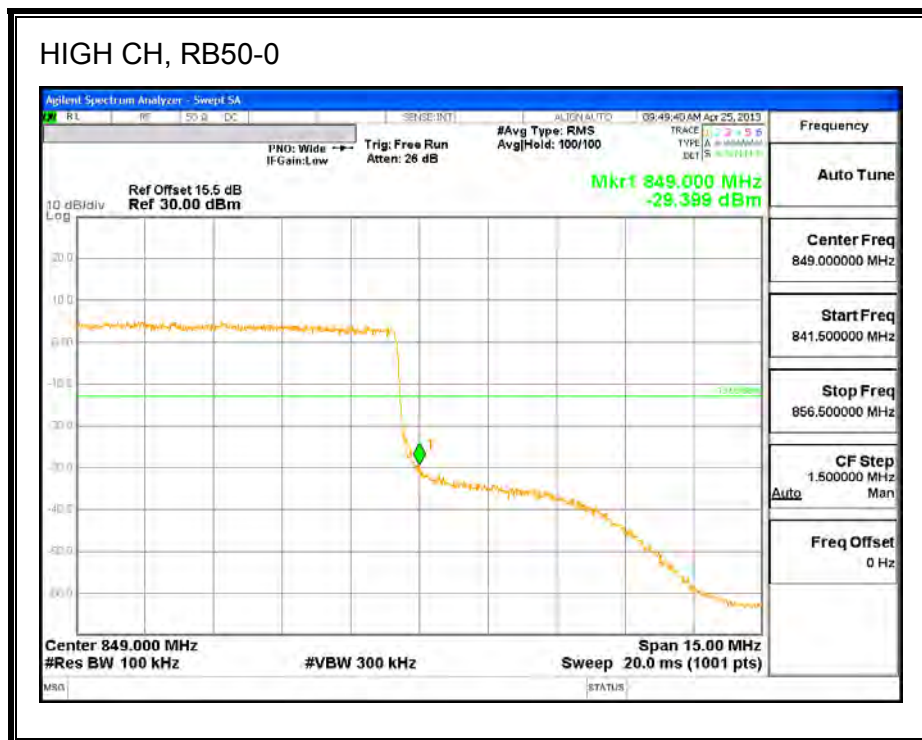
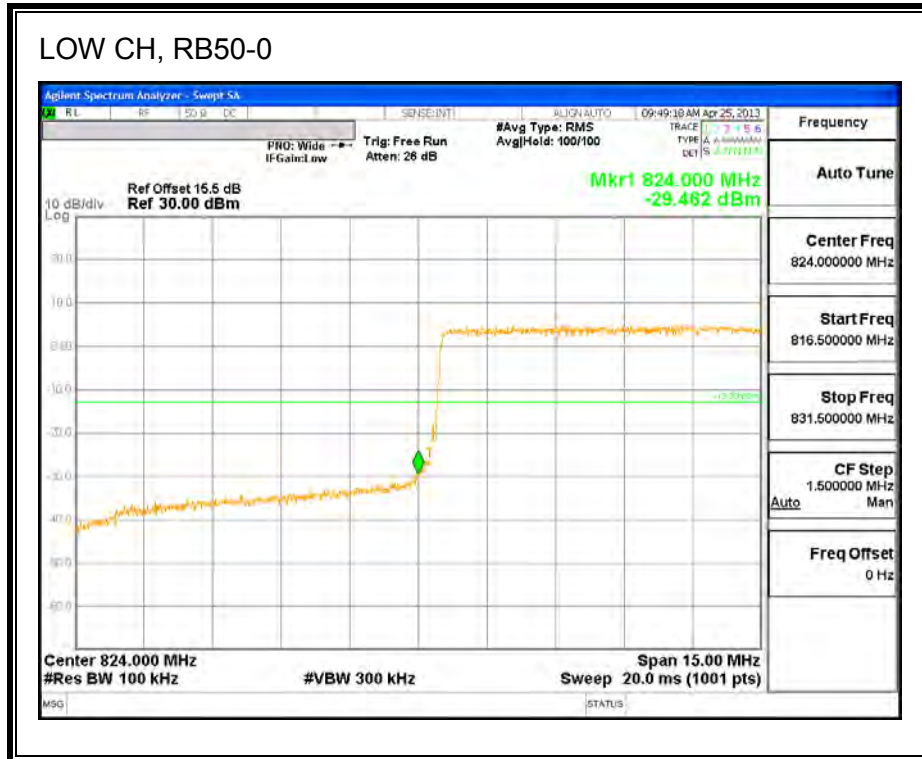




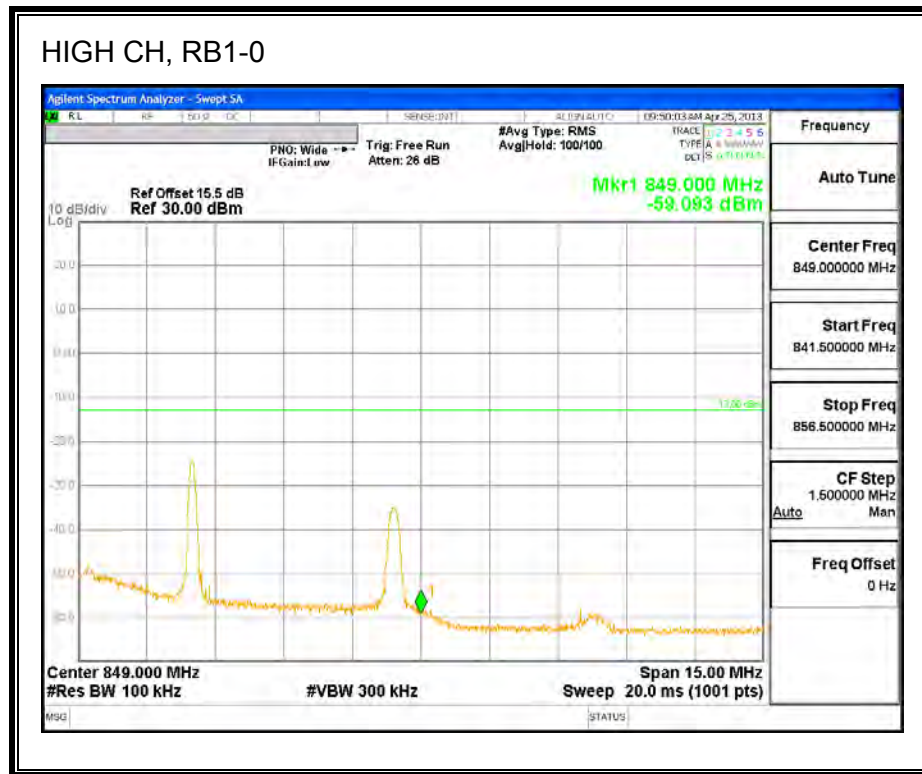
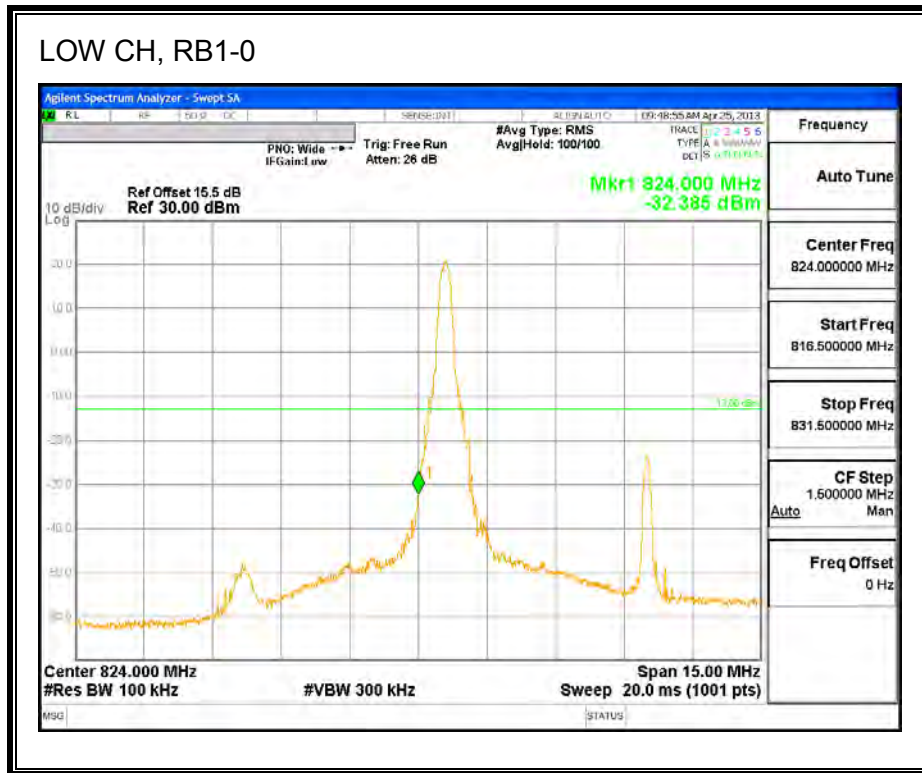


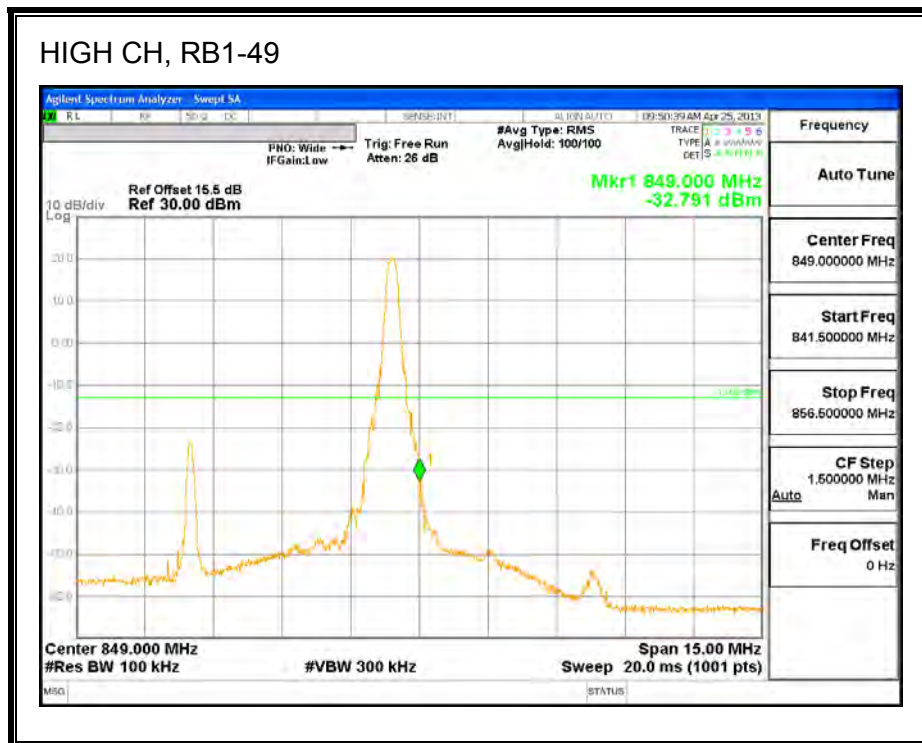
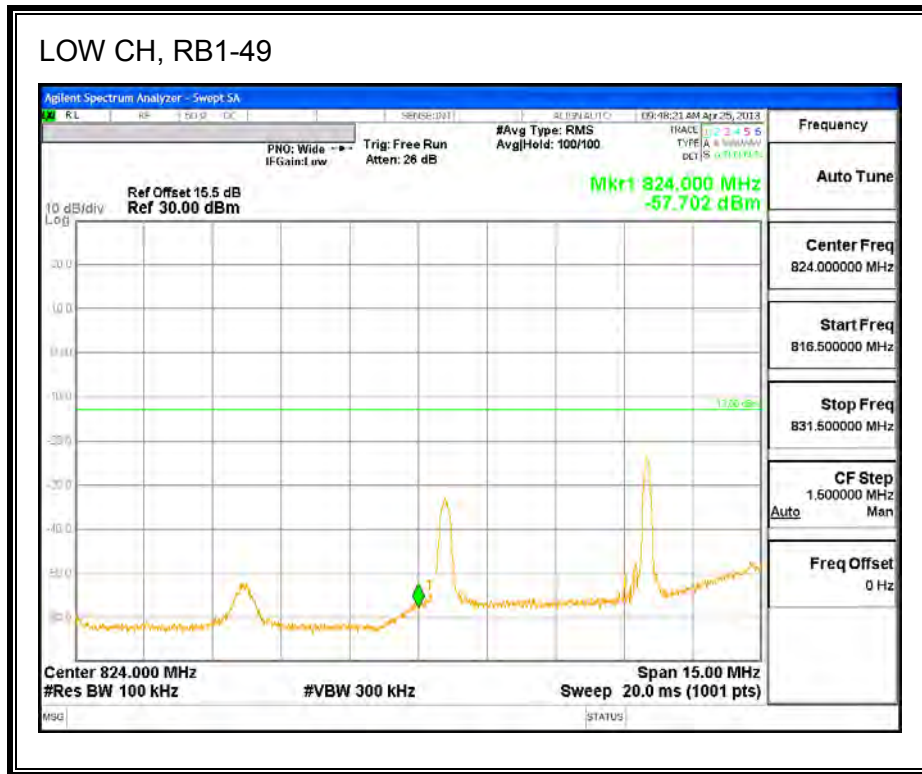


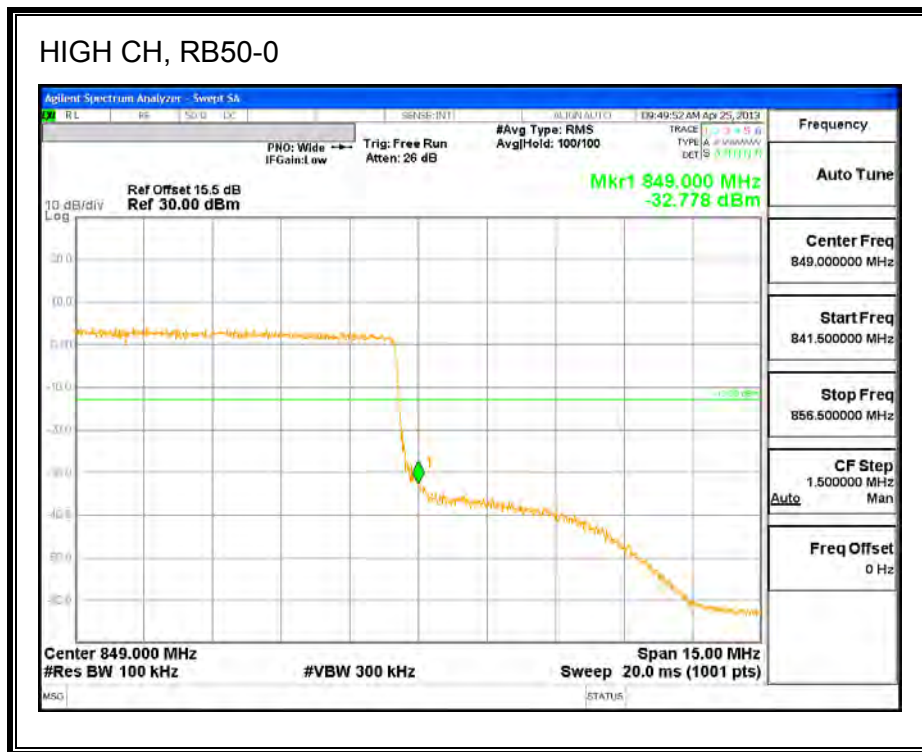
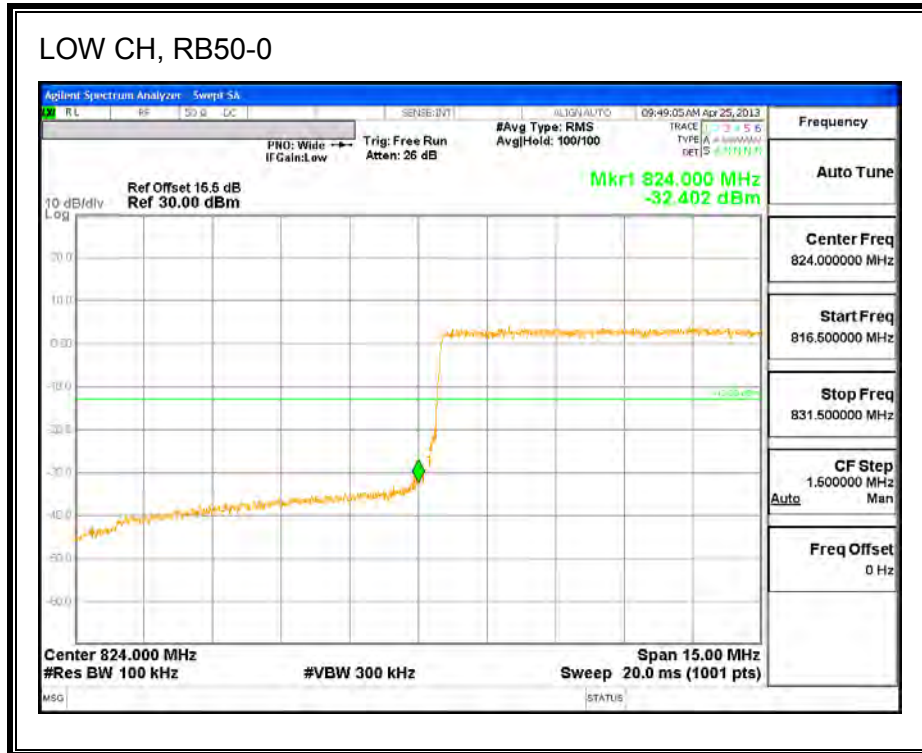




16QAM Band 5 (10 MHz BANDWIDTH)







8.3. OUT OF BAND EMISSIONS

RULE PART(S)

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

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.

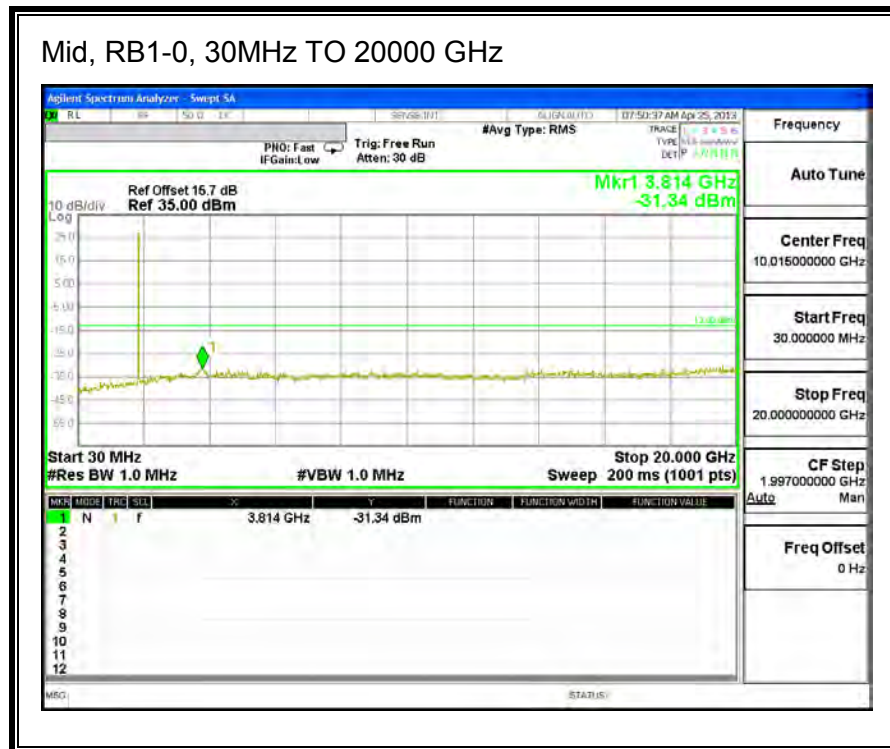
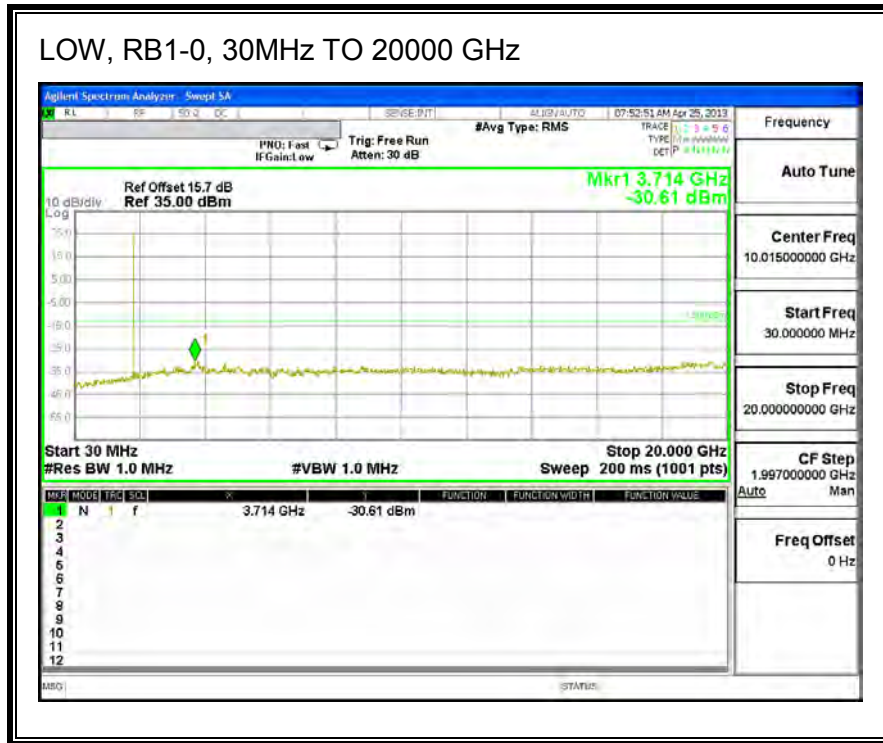
MODES TESTED

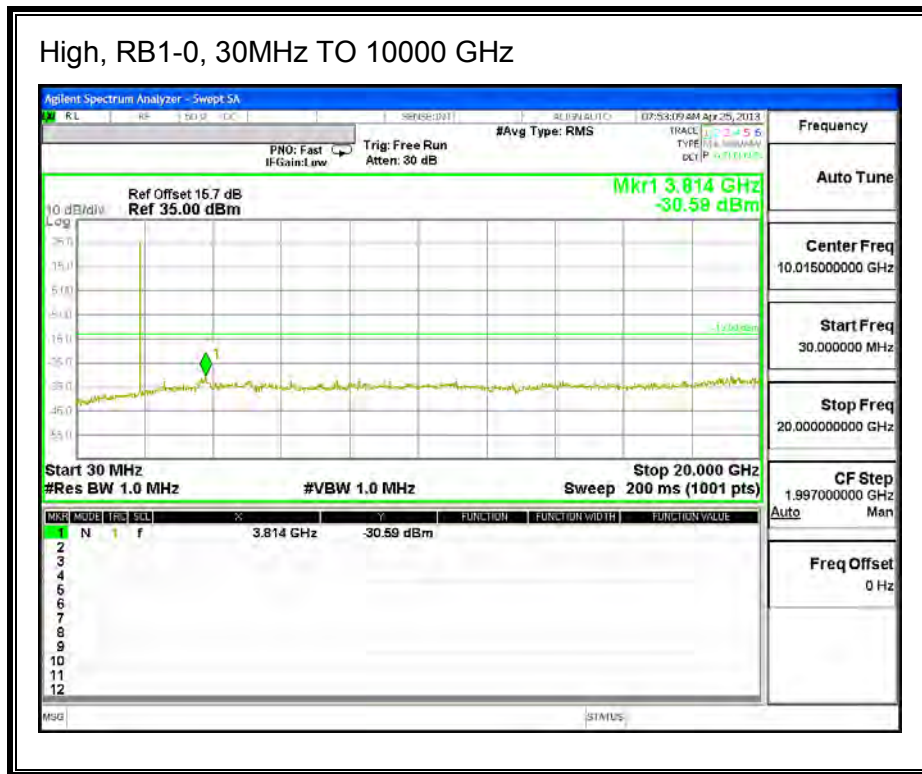
- LTE BAND 2
- LTE BAND 5

RESULTS

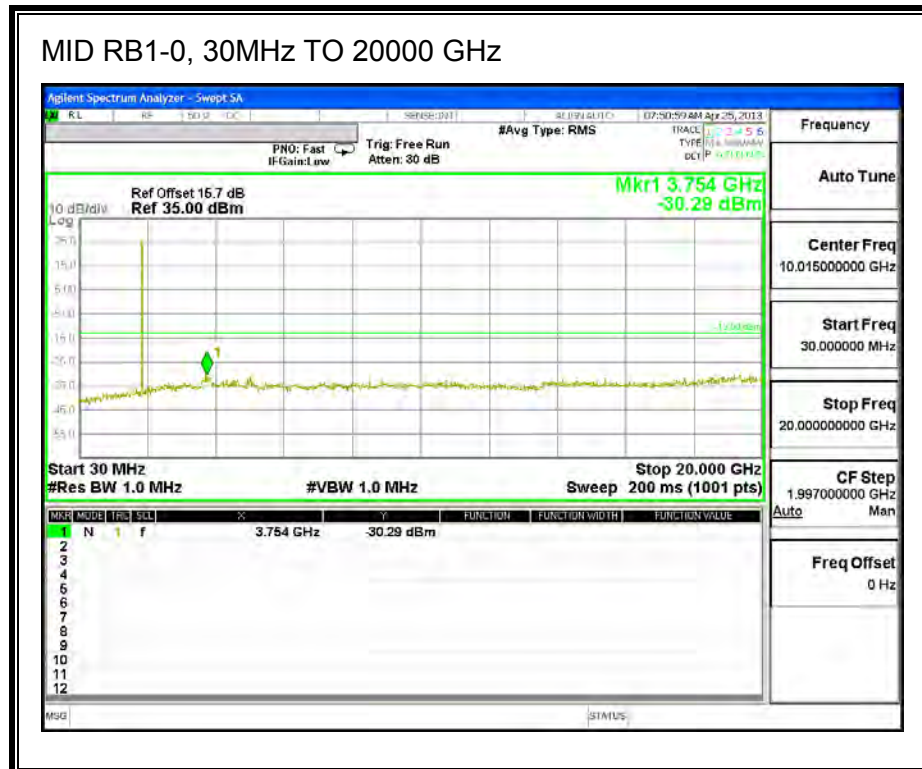
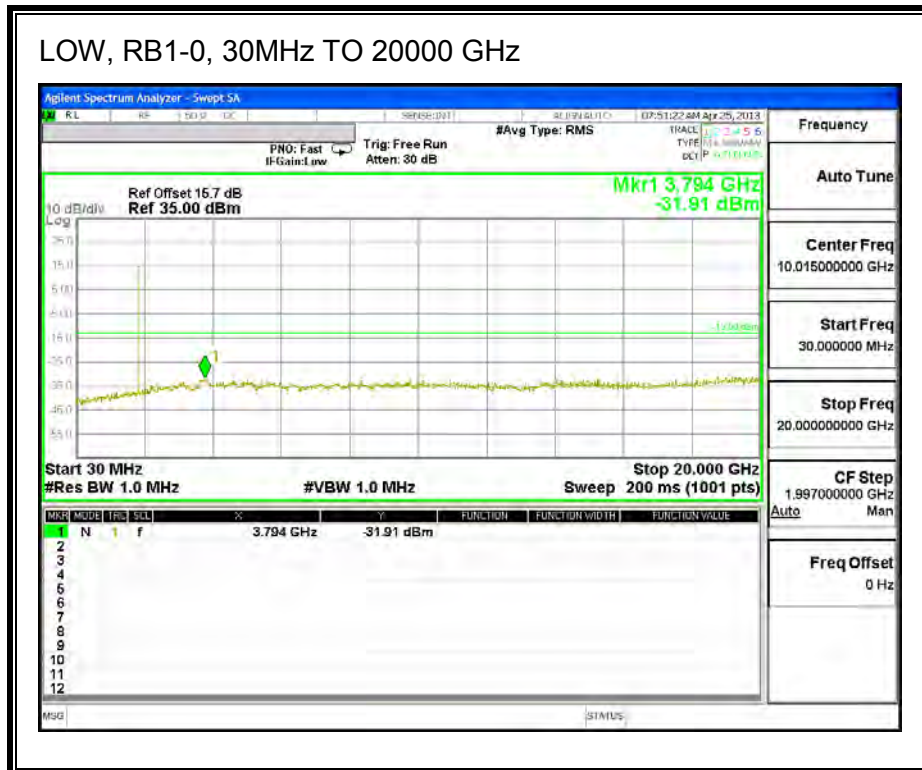
8.3.1. LTE BAND 2

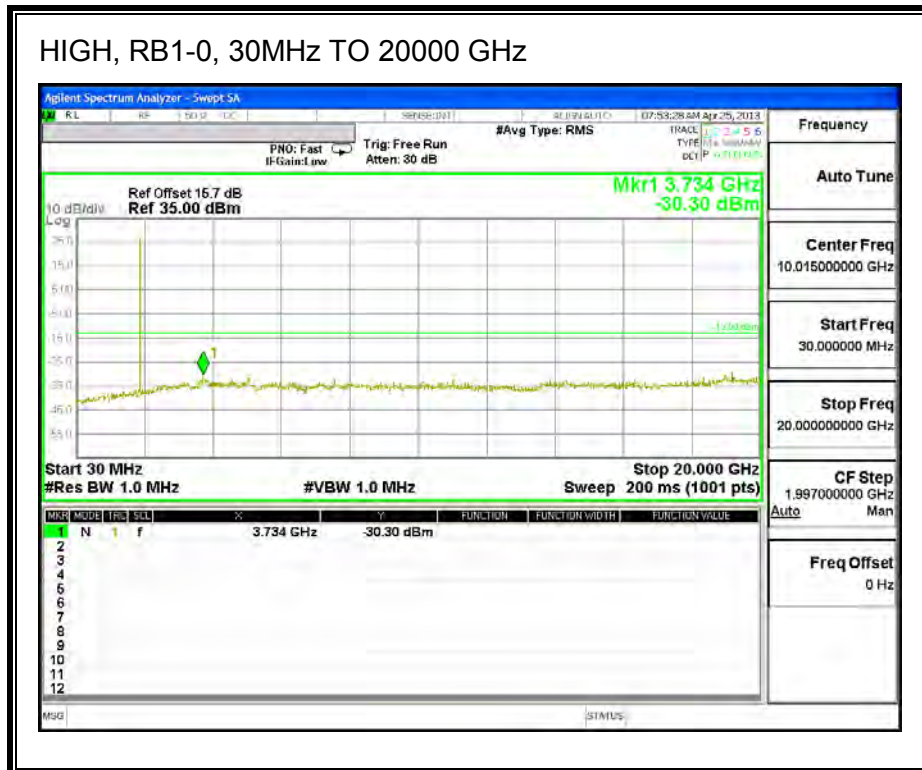
LTE QPSK (1.4 MHz BANDWIDTH)





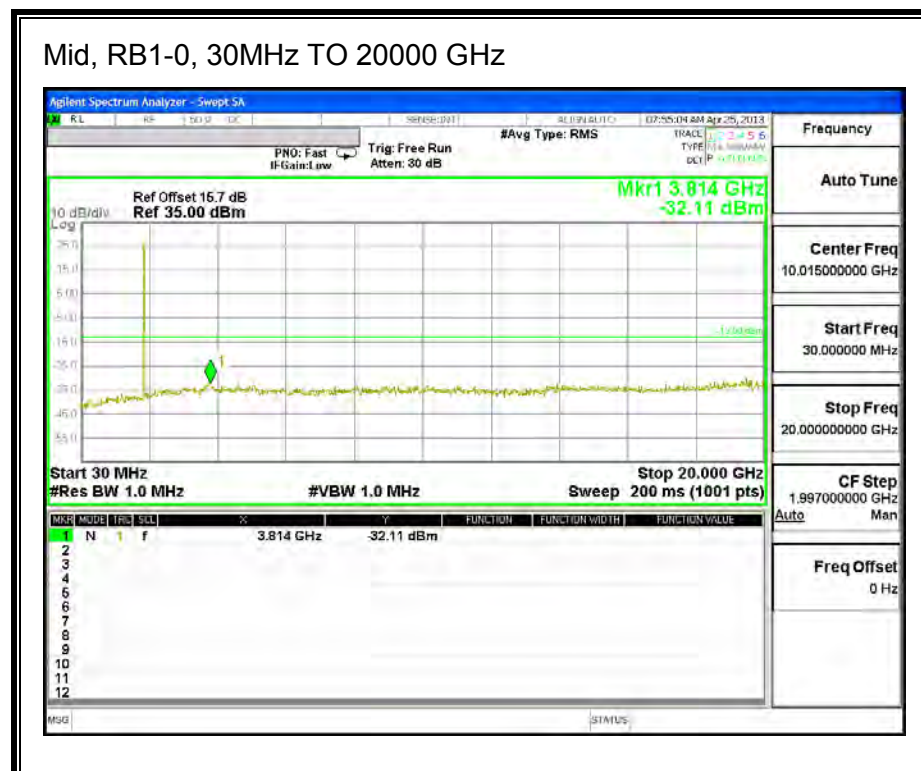
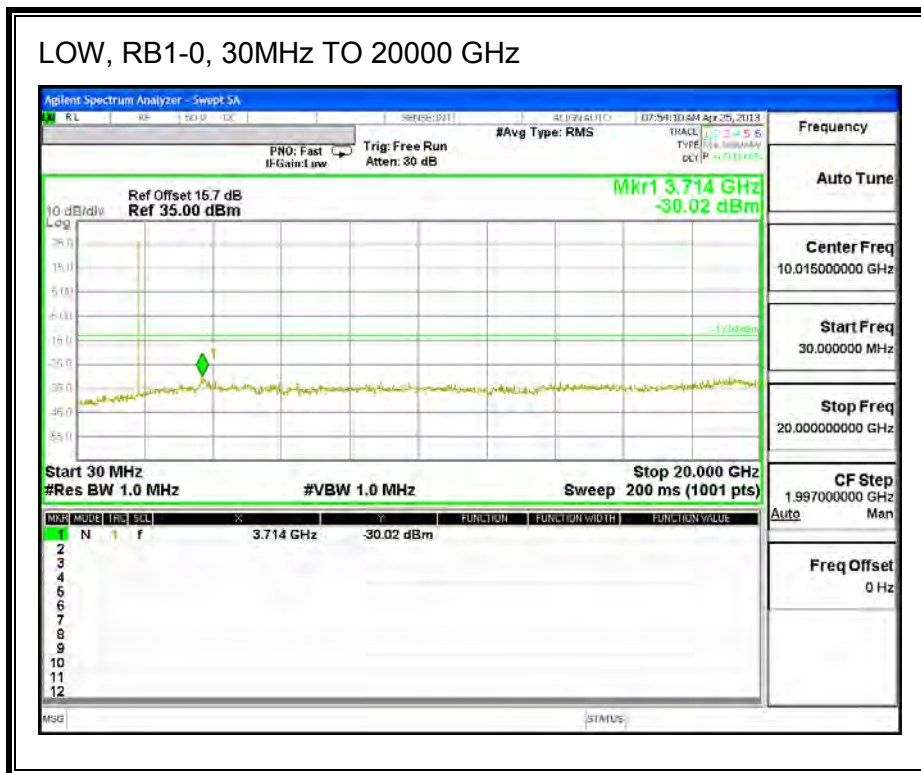
LTE 16QAM

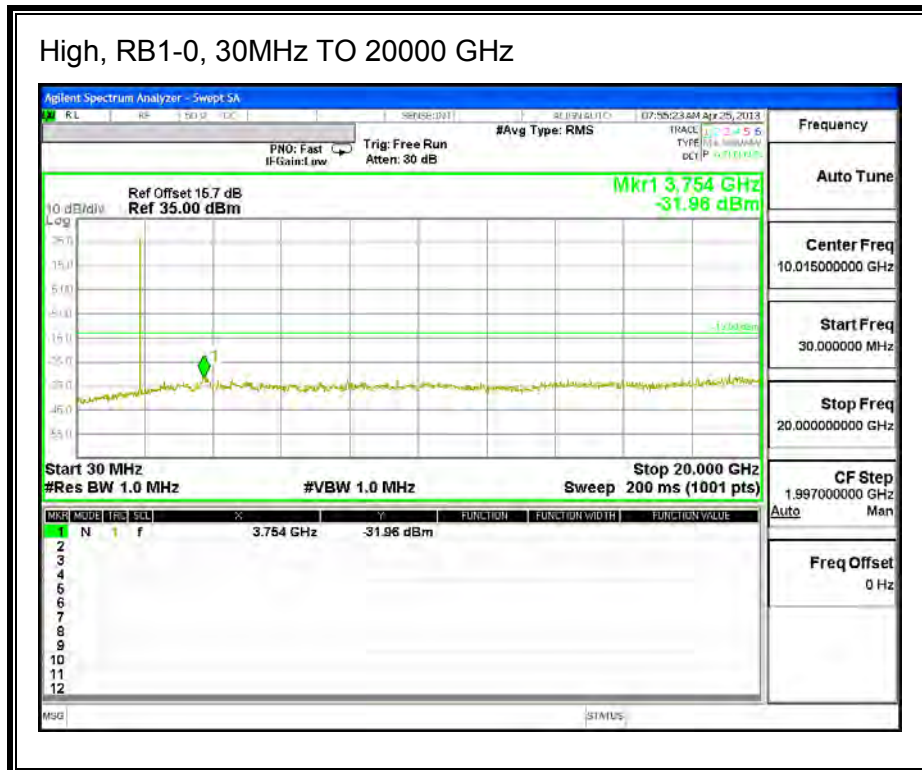




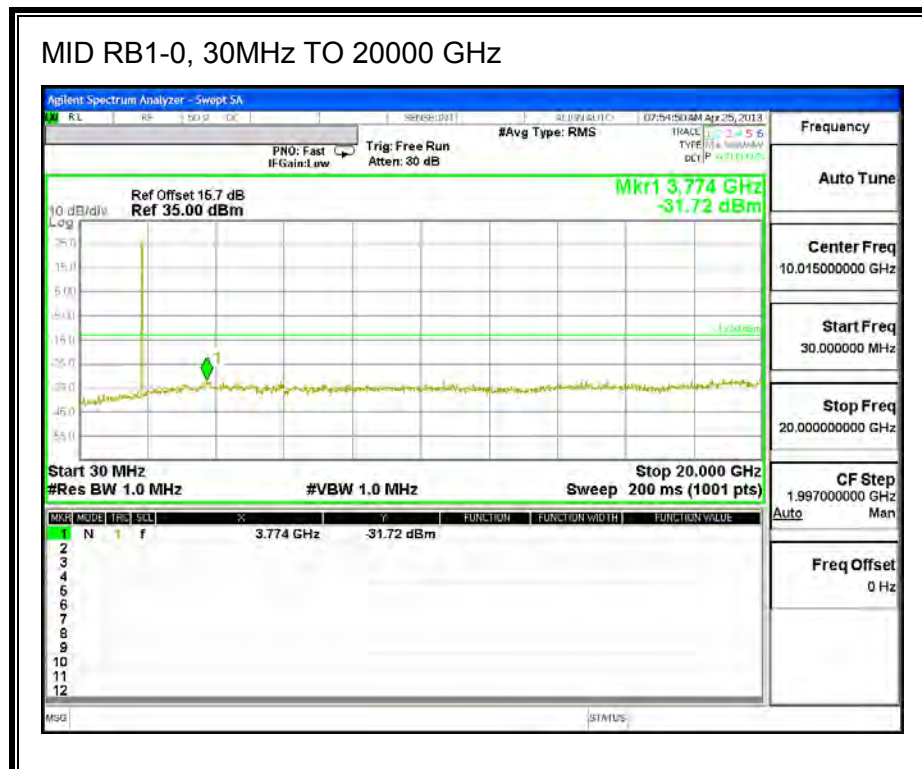
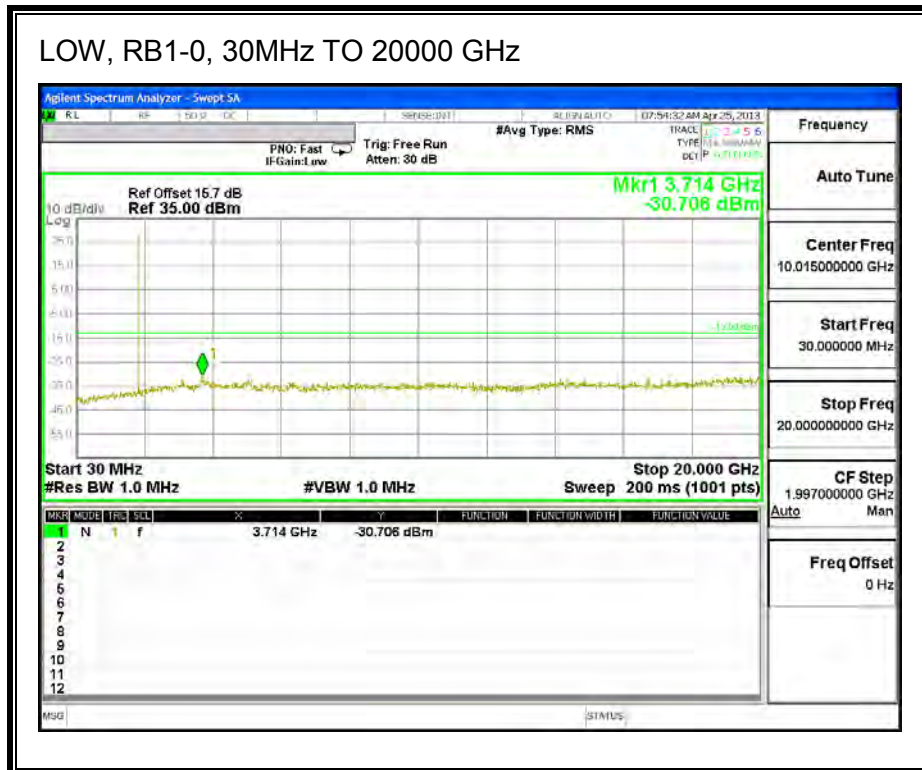
Band 2 (3.0 MHz BANDWIDTH)

LTE QPSK



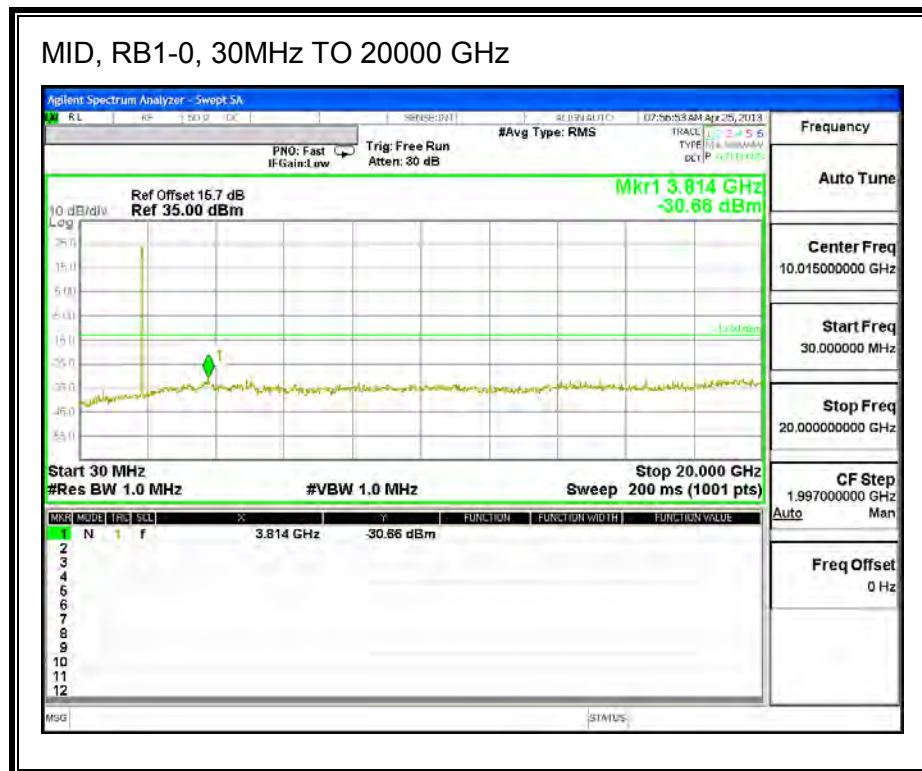
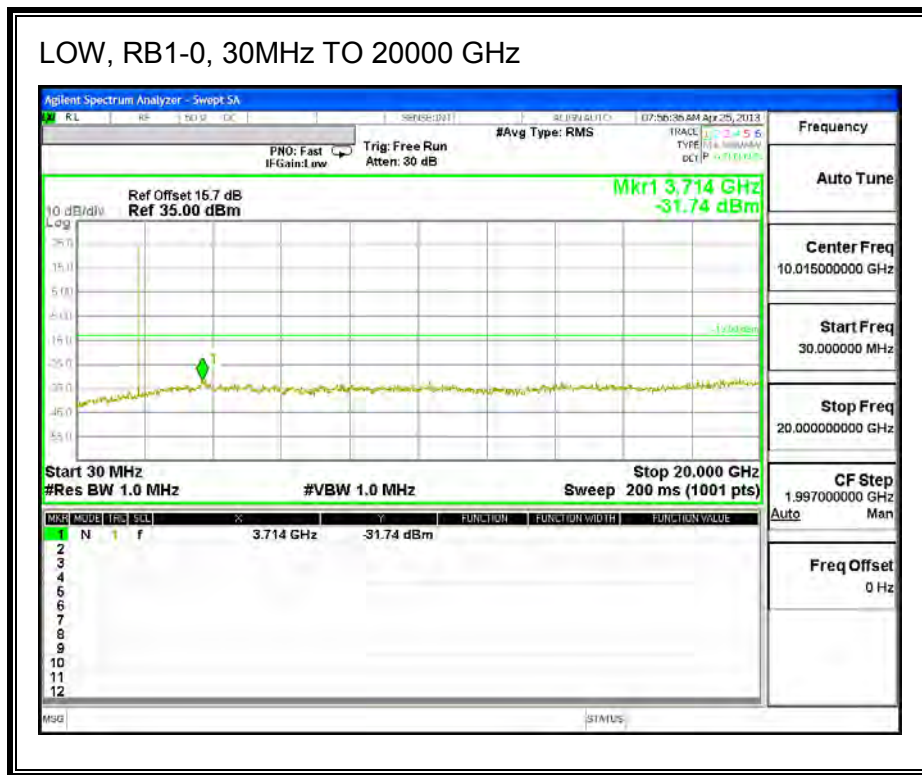


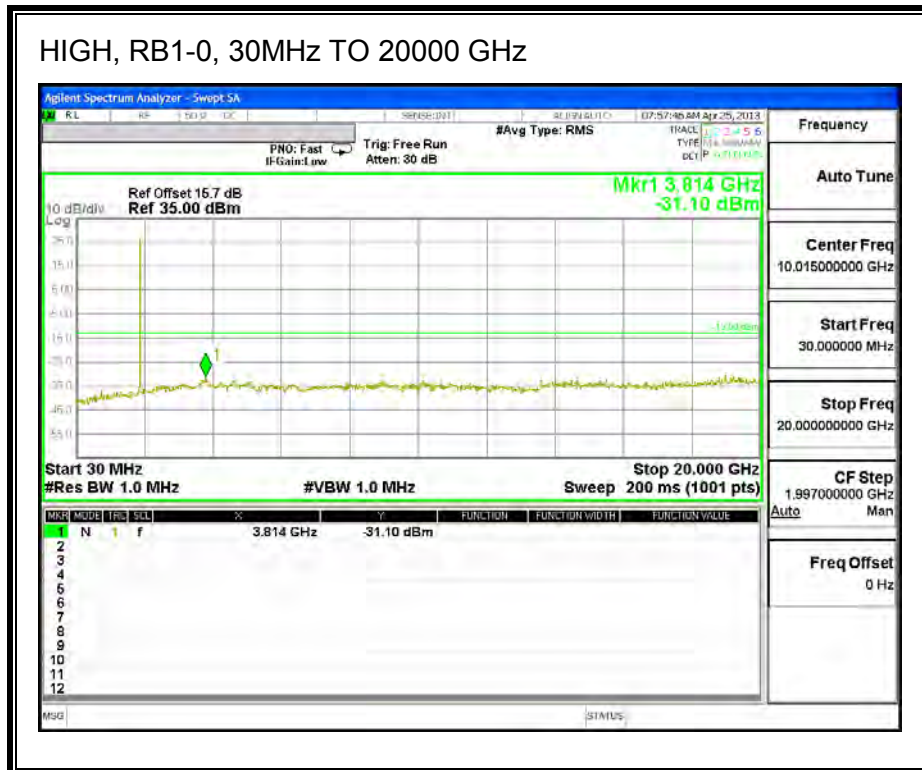
LTE 16QAM



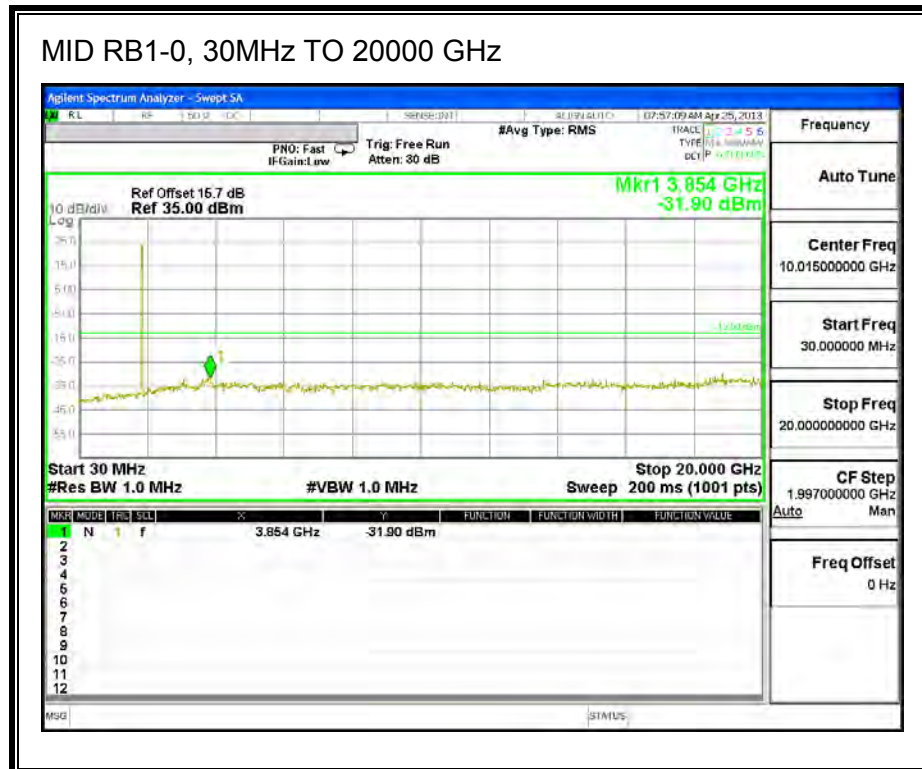
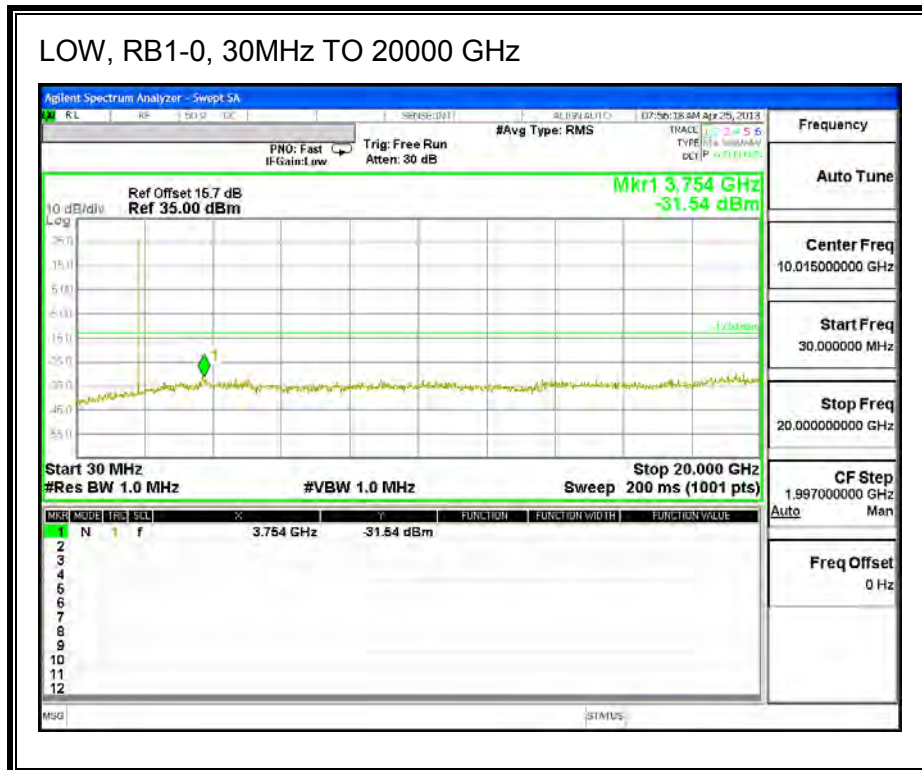
Band 2 (5 MHz BANDWIDTH)

LTE QPSK



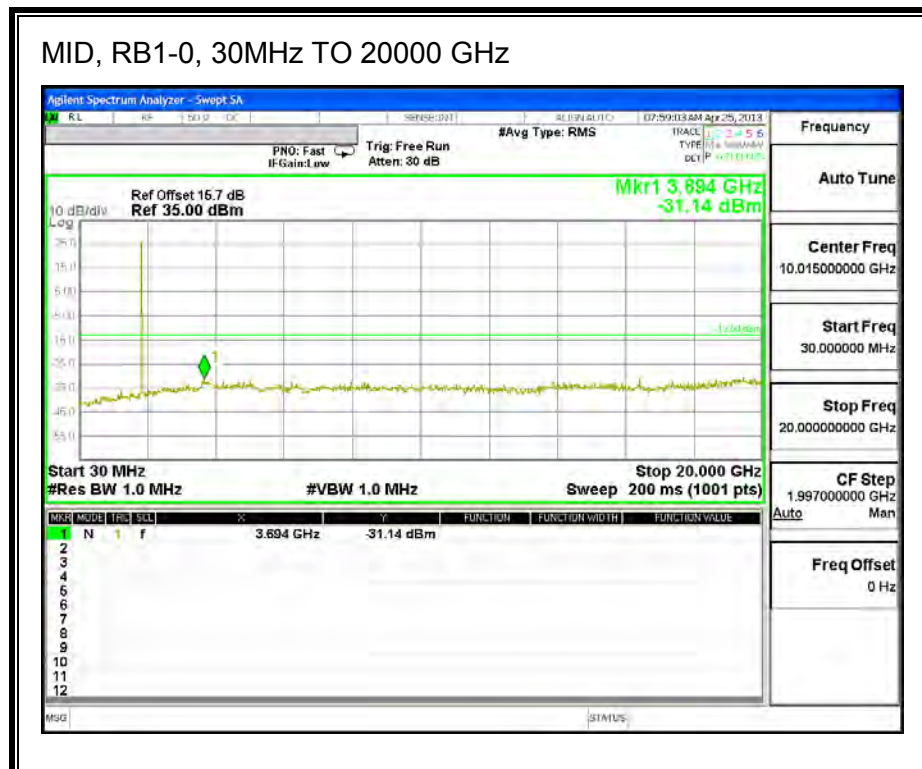
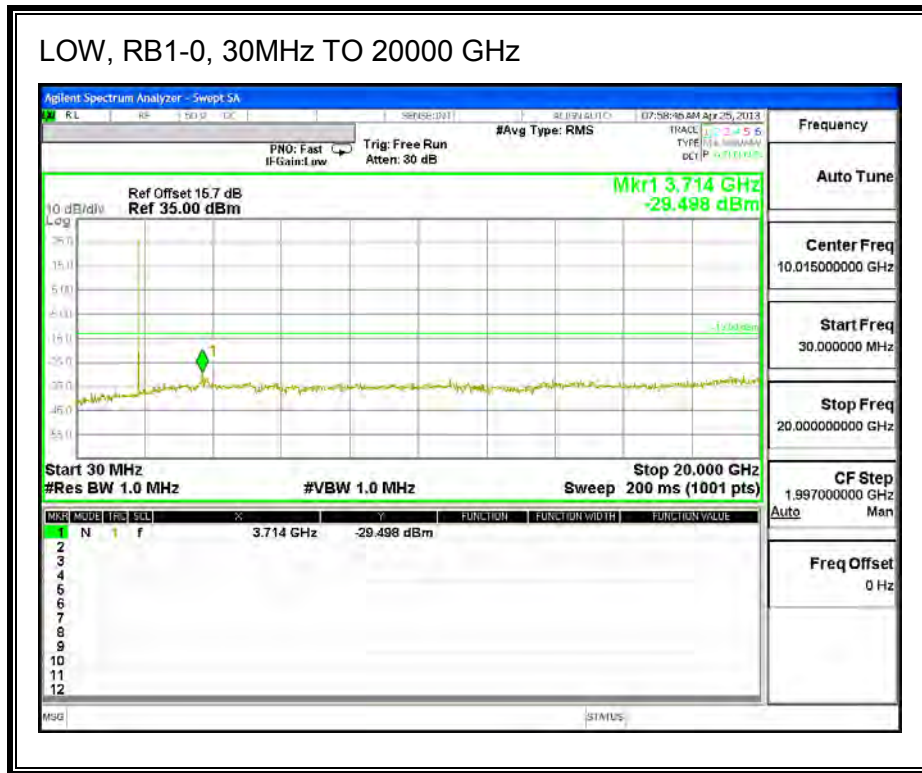


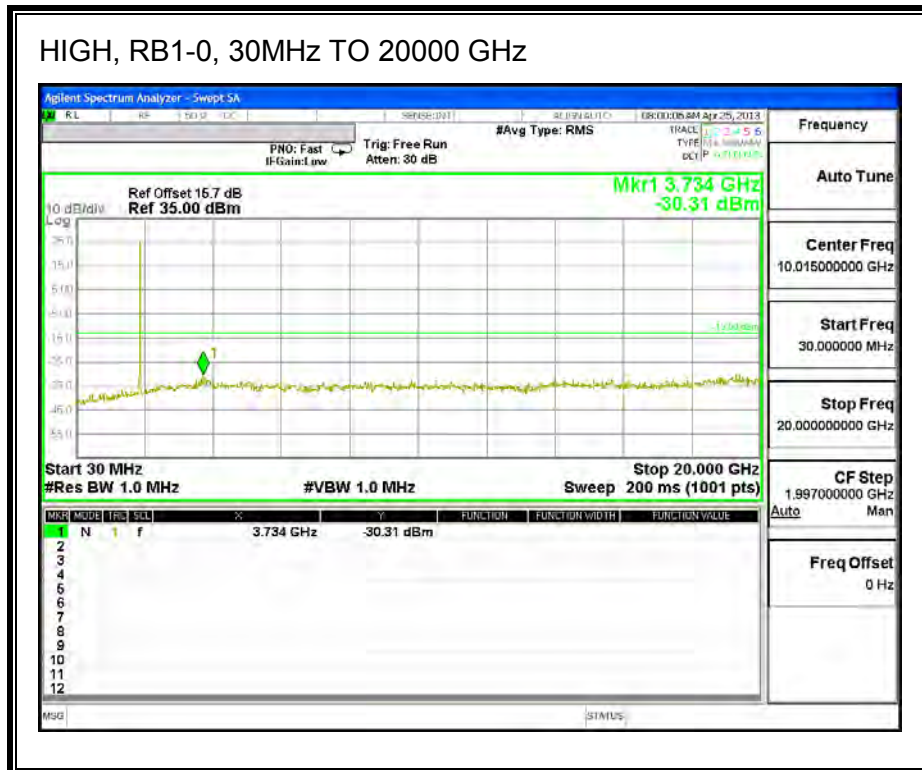
LTE 16QAM



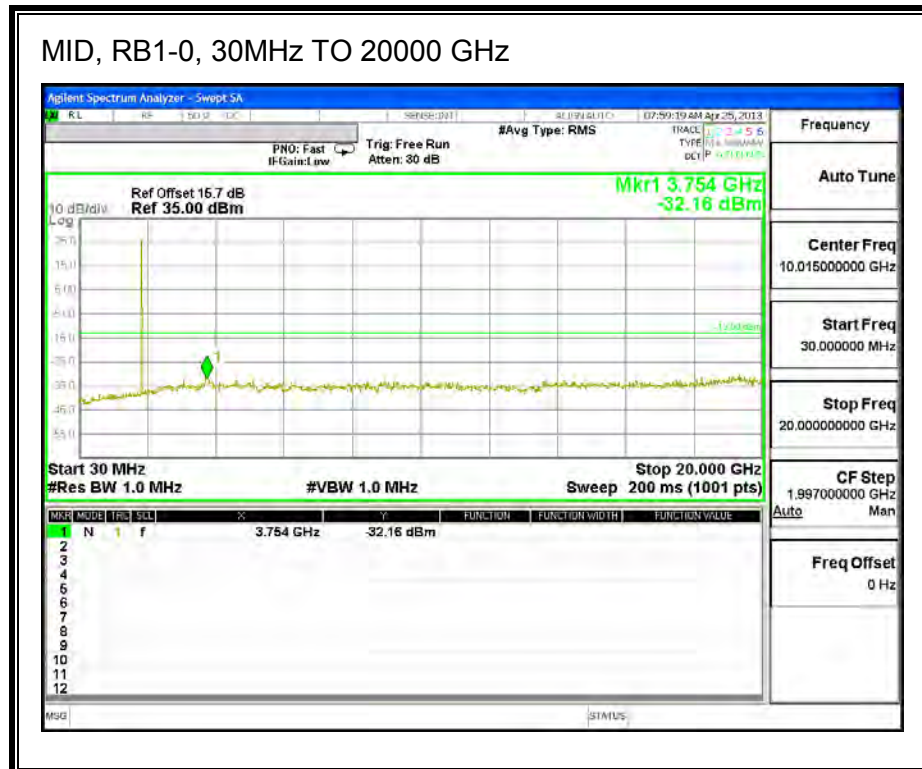
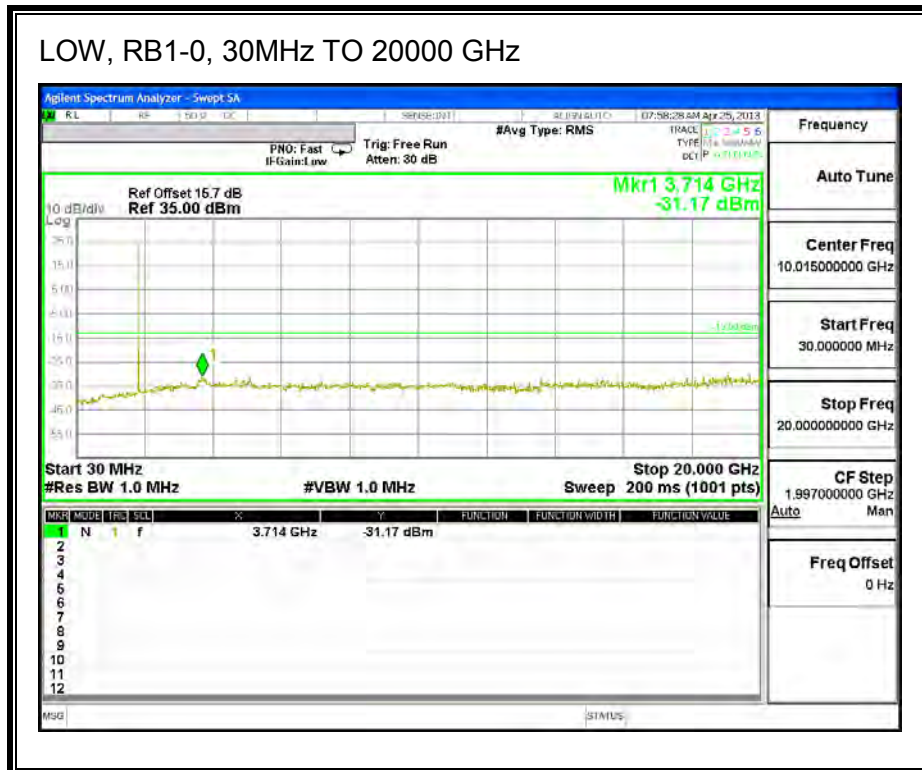
Band 2 (10 MHz BANDWIDTH)

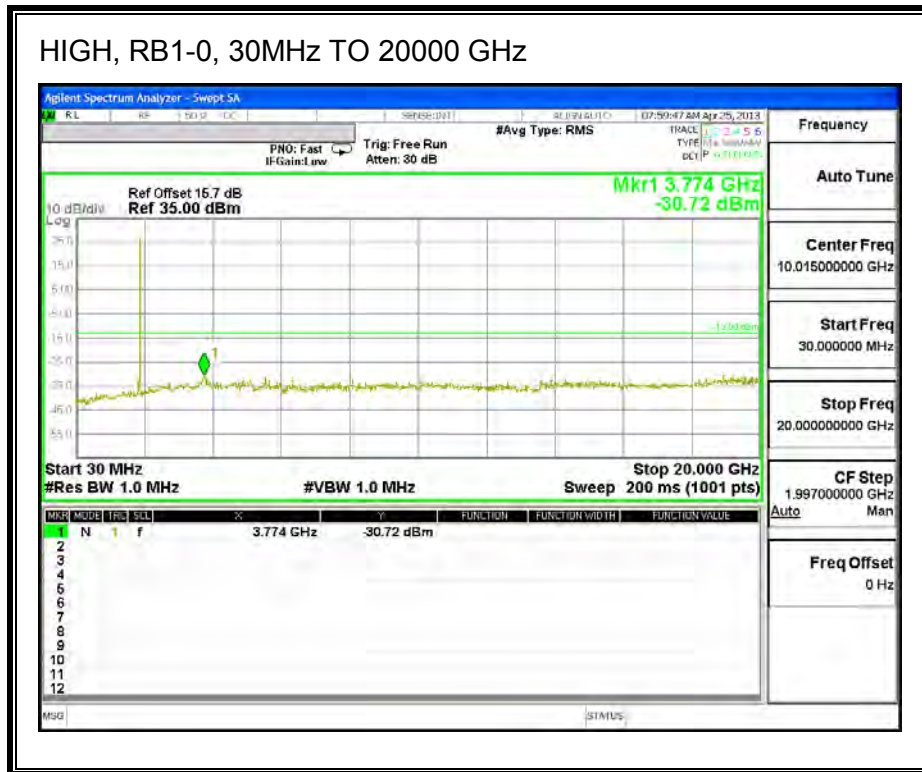
LTE QPSK





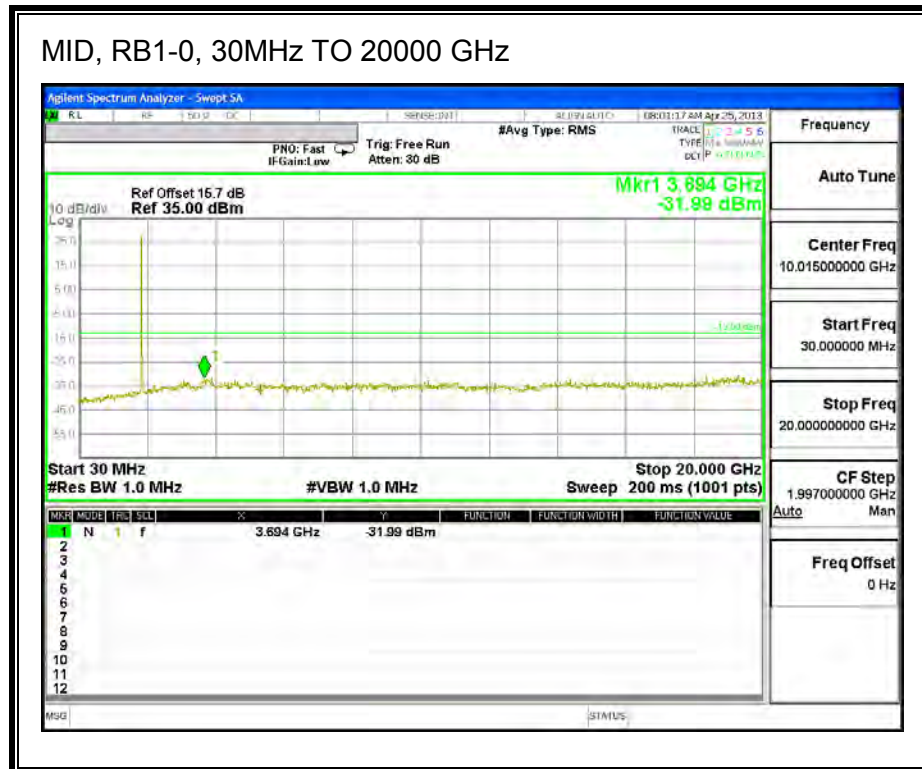
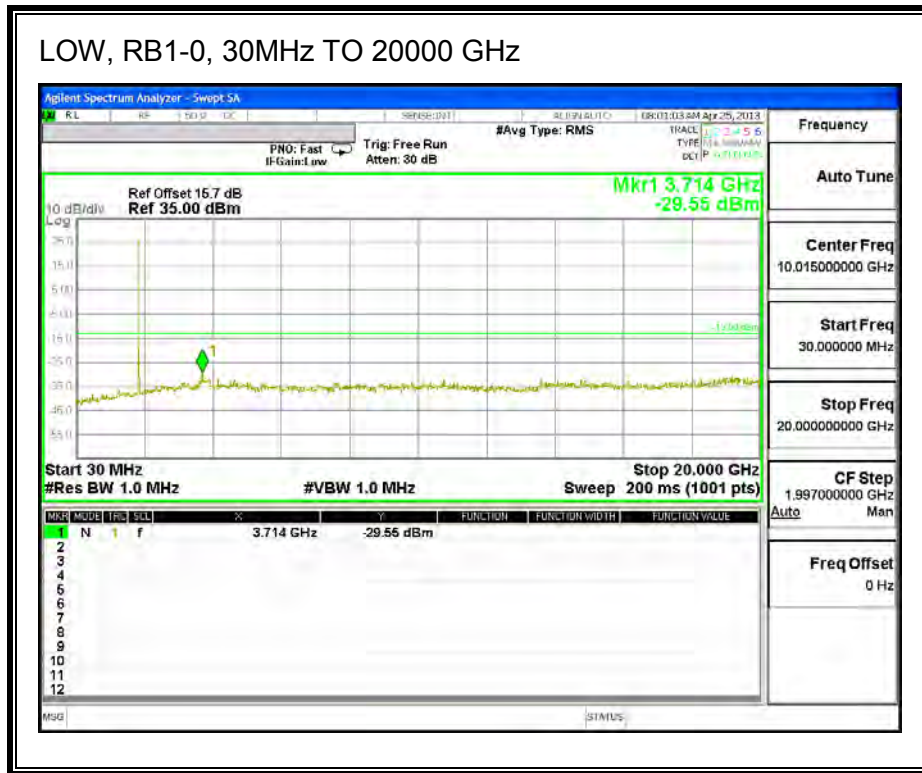
LTE 16QAM

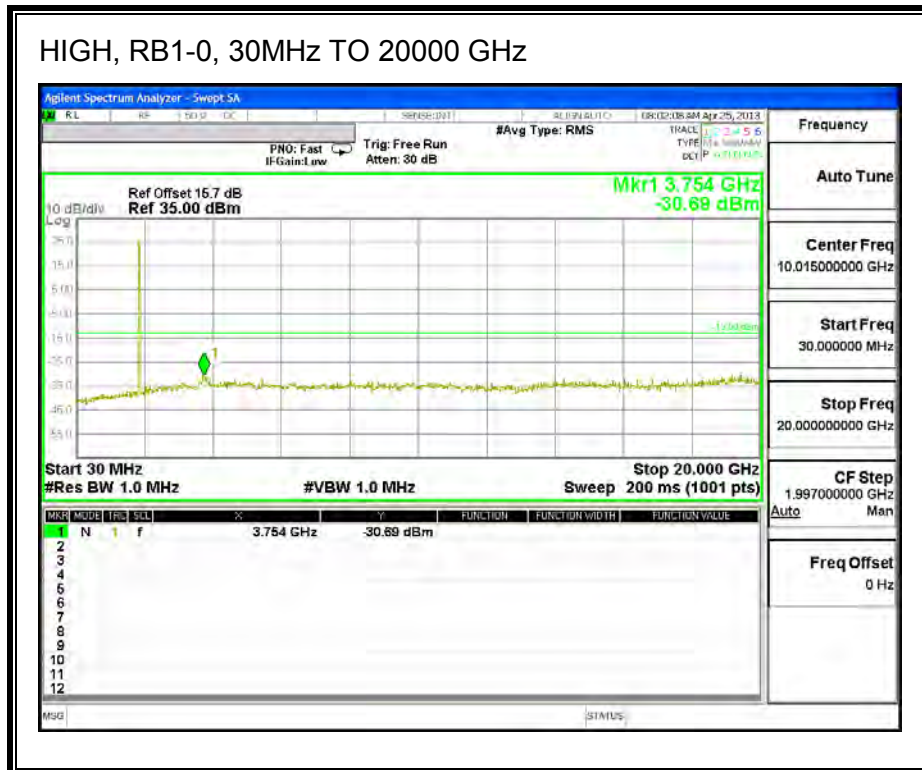




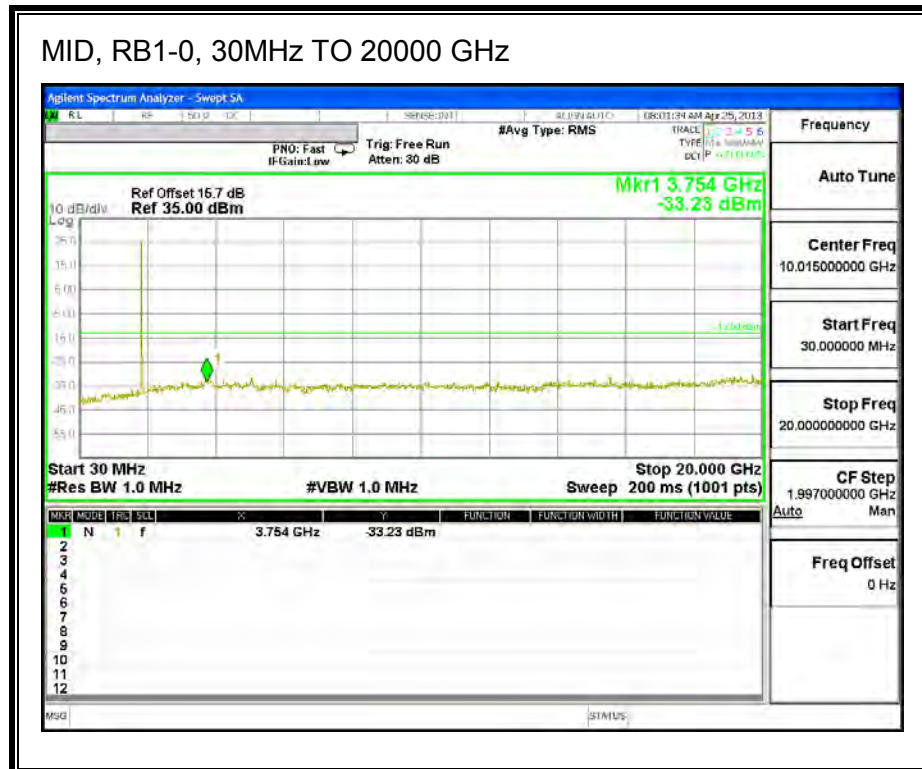
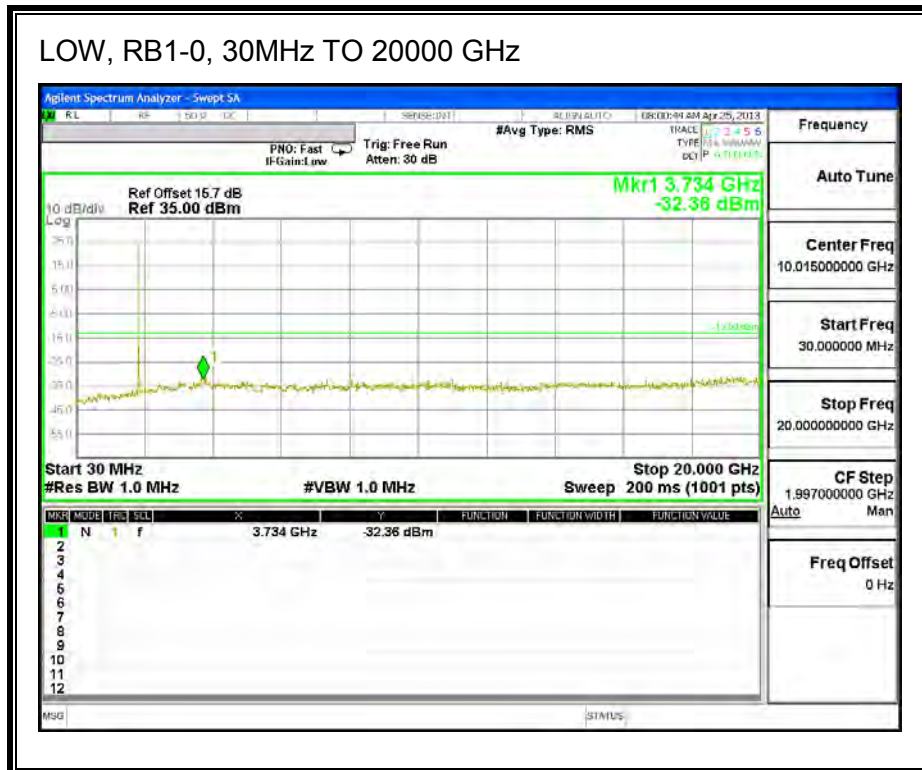
Band 2 (15 MHz BANDWIDTH)

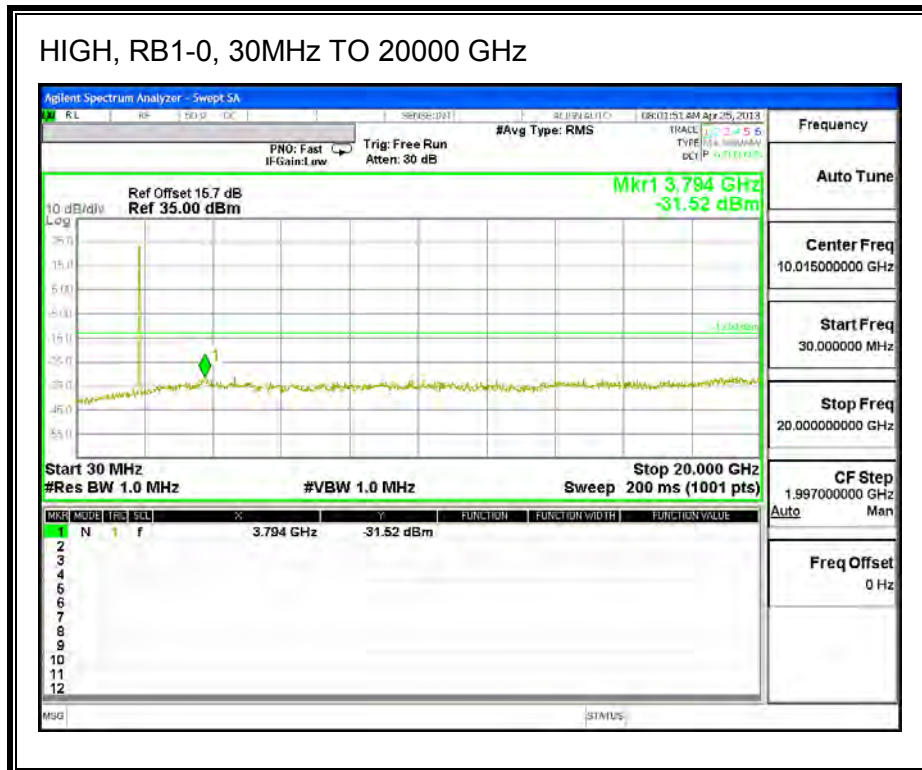
LTE QPSK





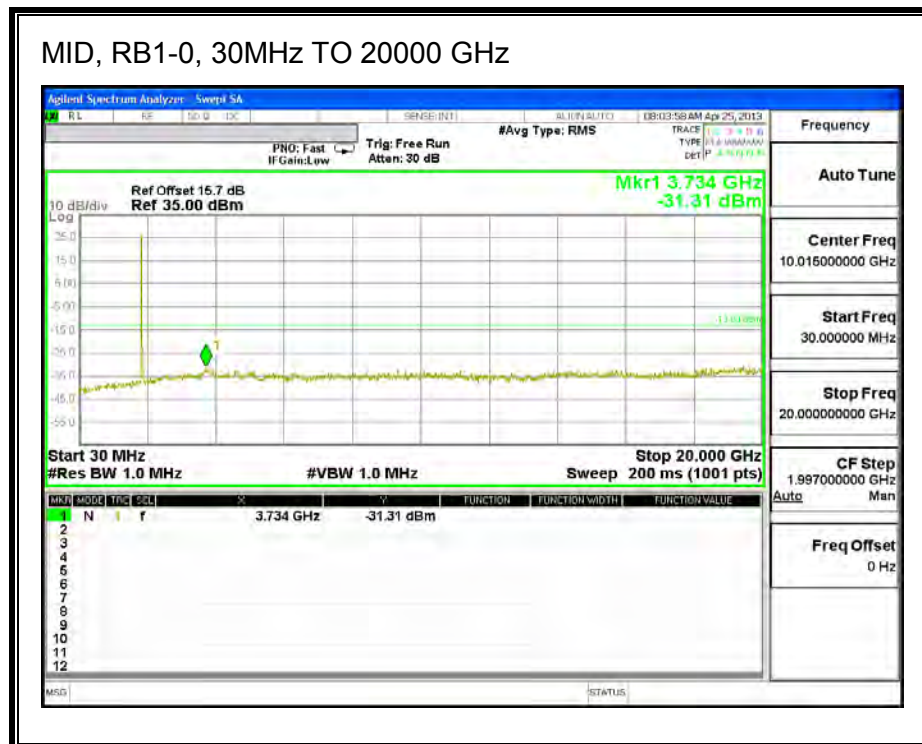
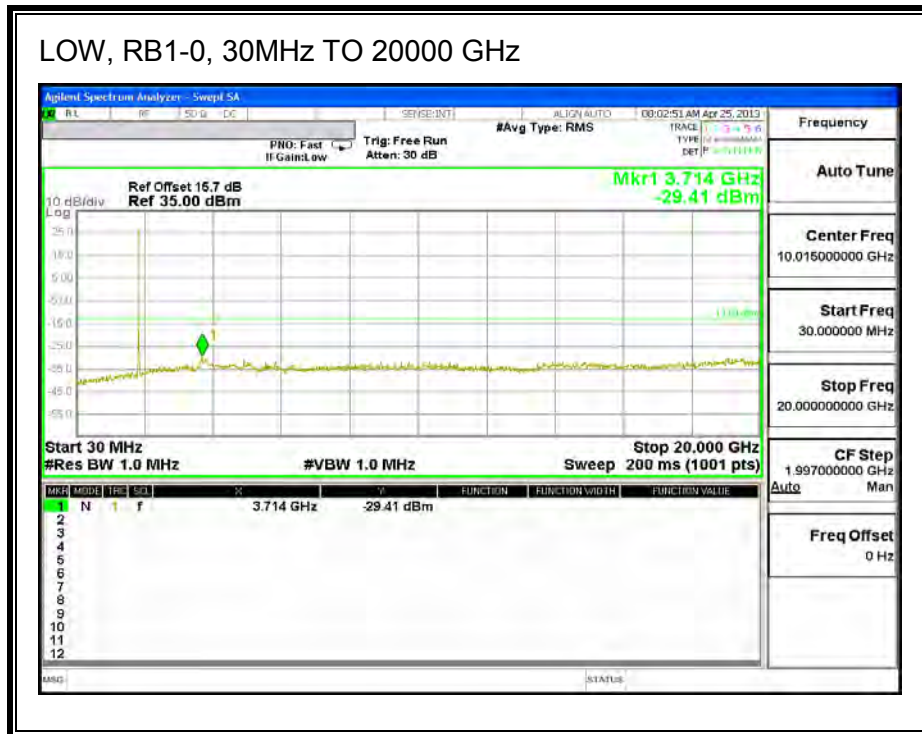
LTE 16QAM

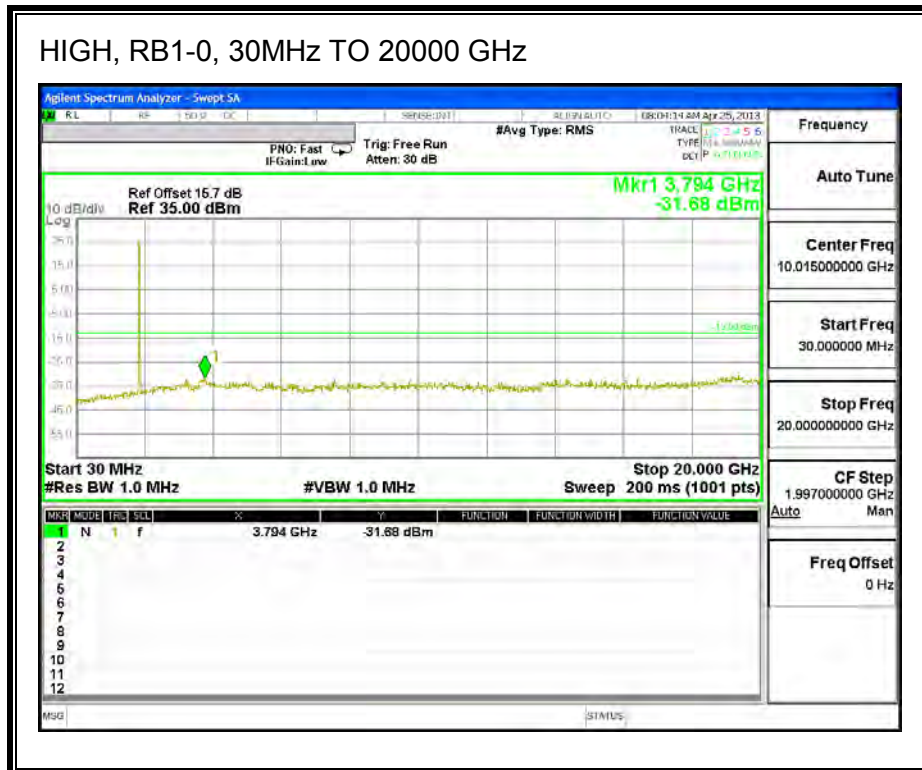




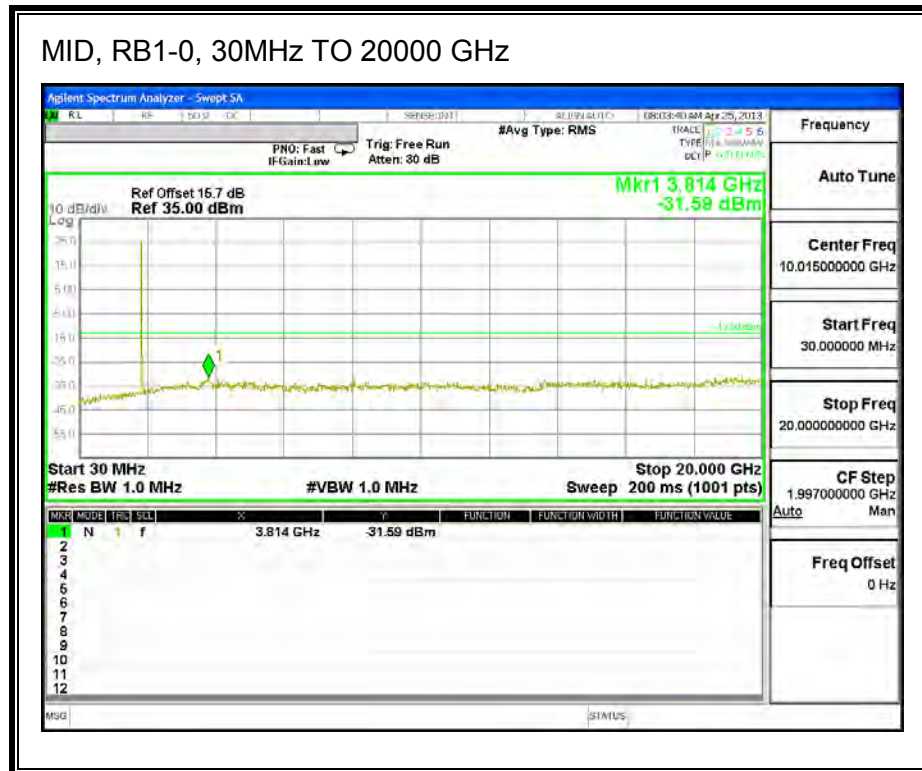
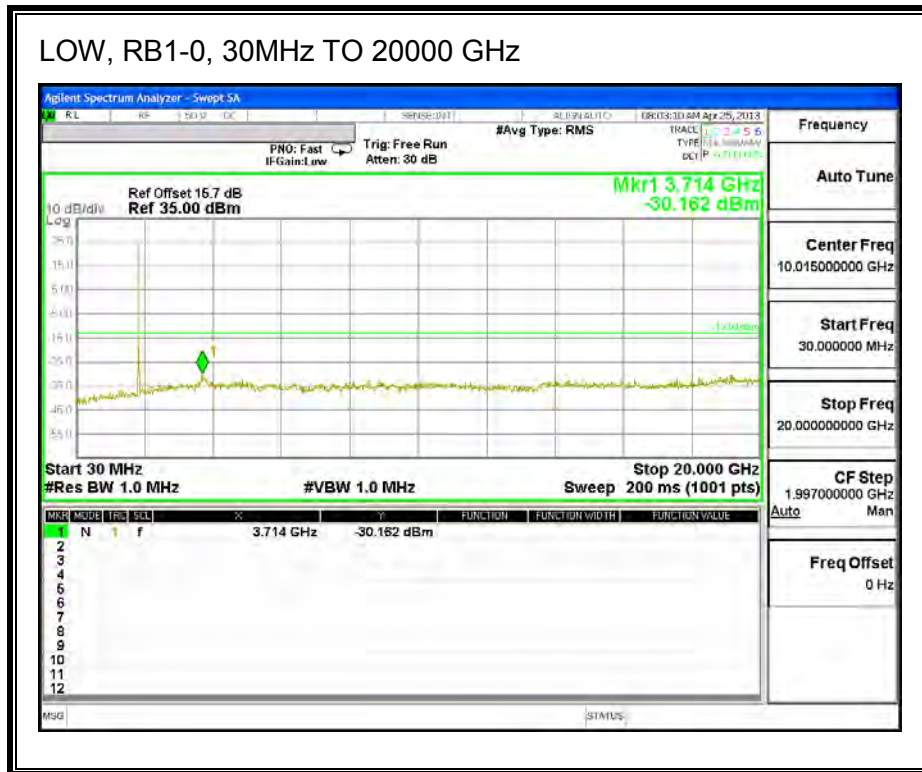
Band 2 (20 MHz BANDWIDTH)

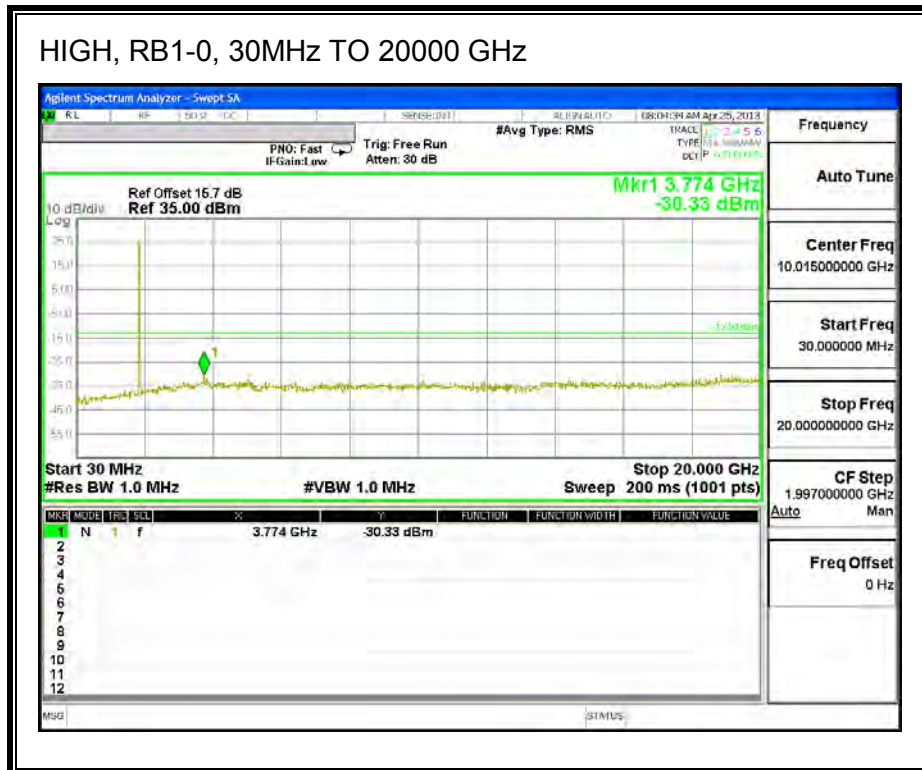
LTE QPSK





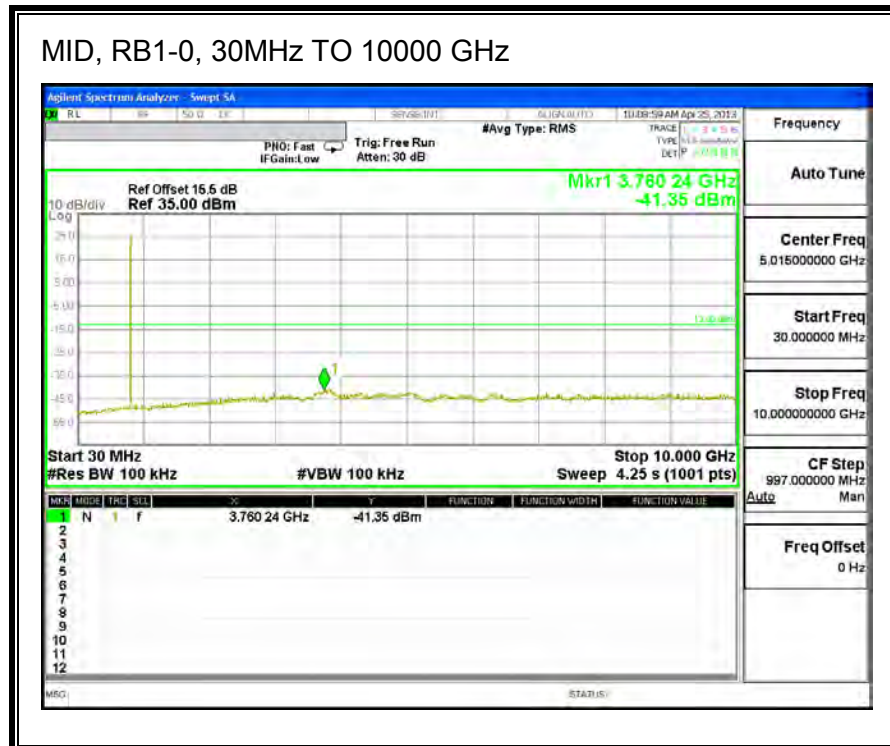
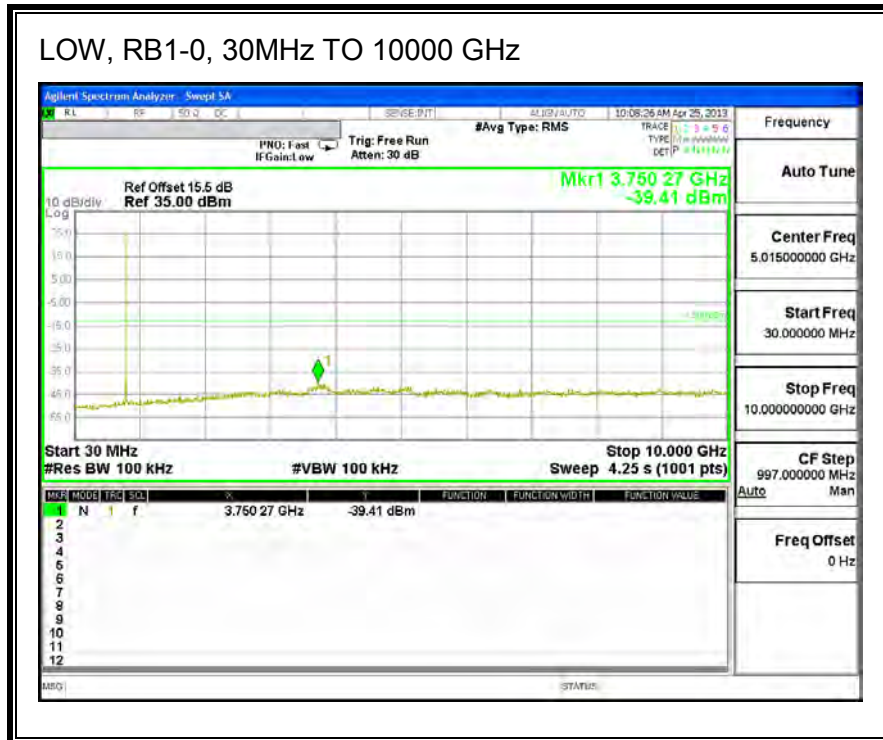
LTE 16QAM

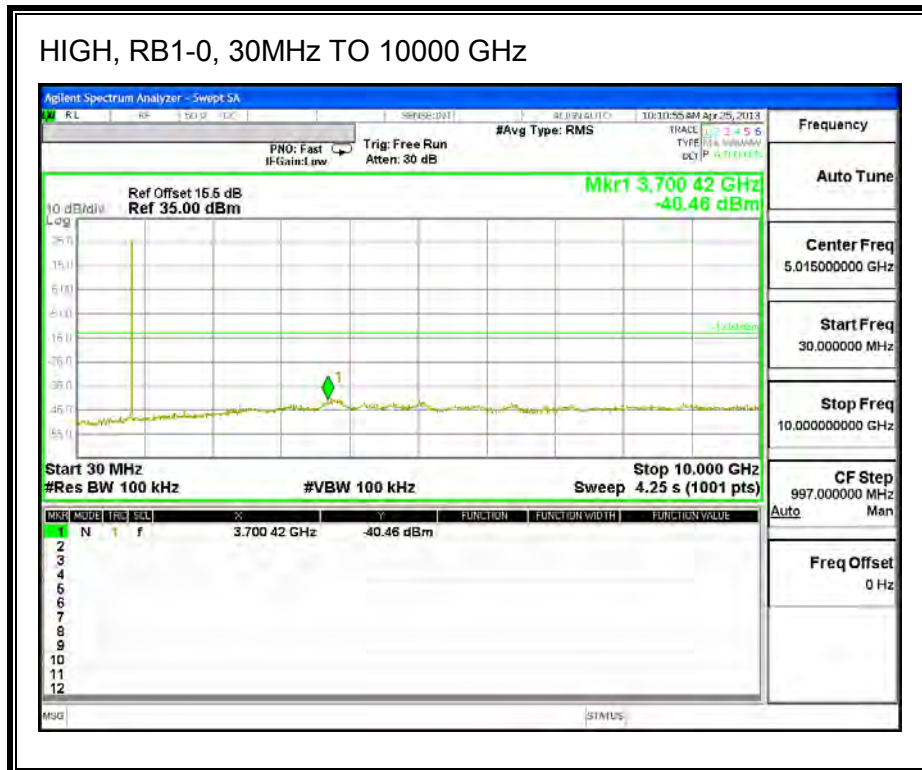




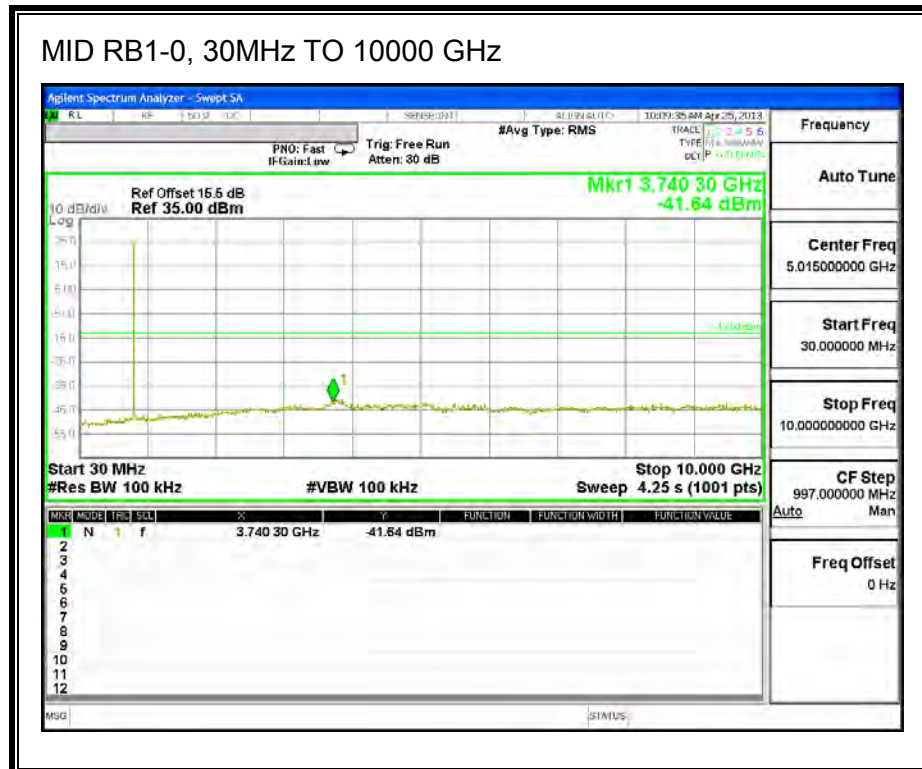
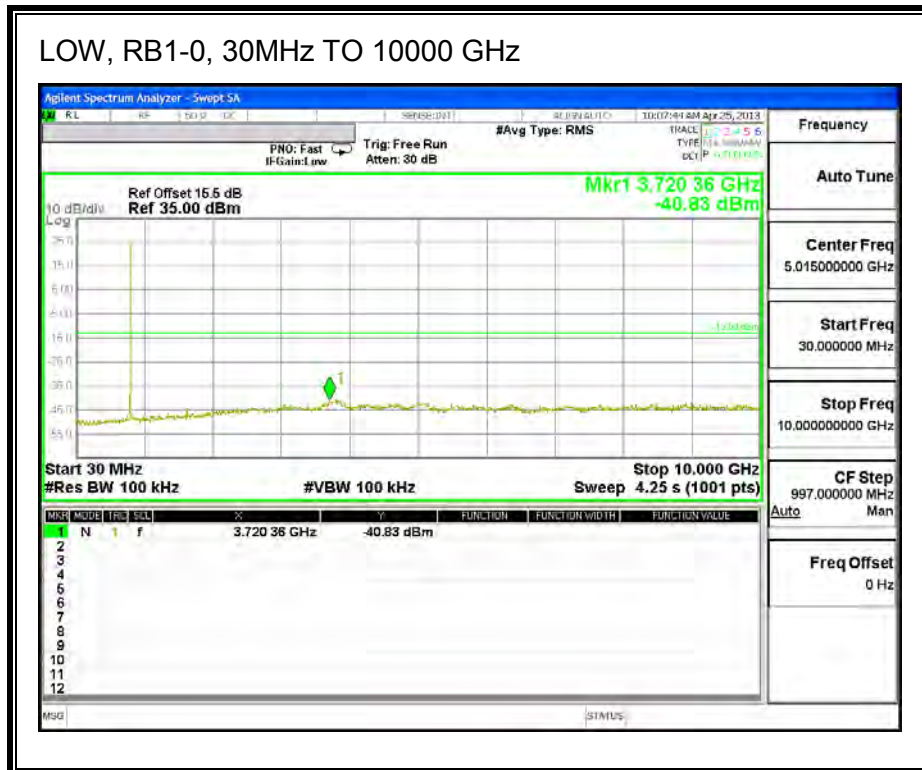
8.3.2. LTE BAND 5

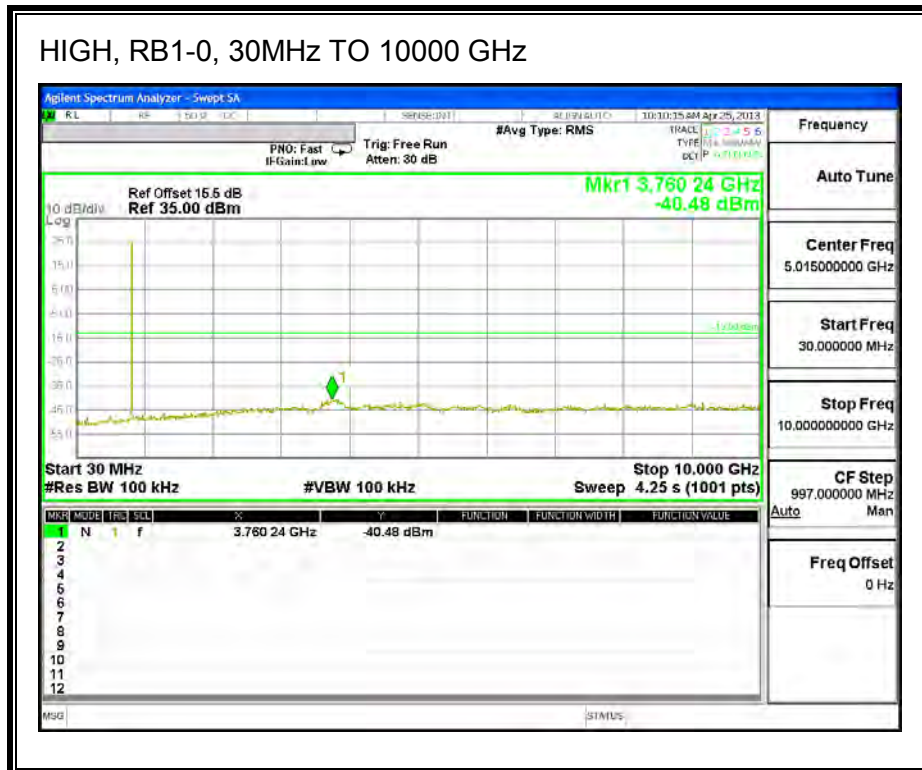
LTE QPSK (1.4 MHz BANDWIDTH)





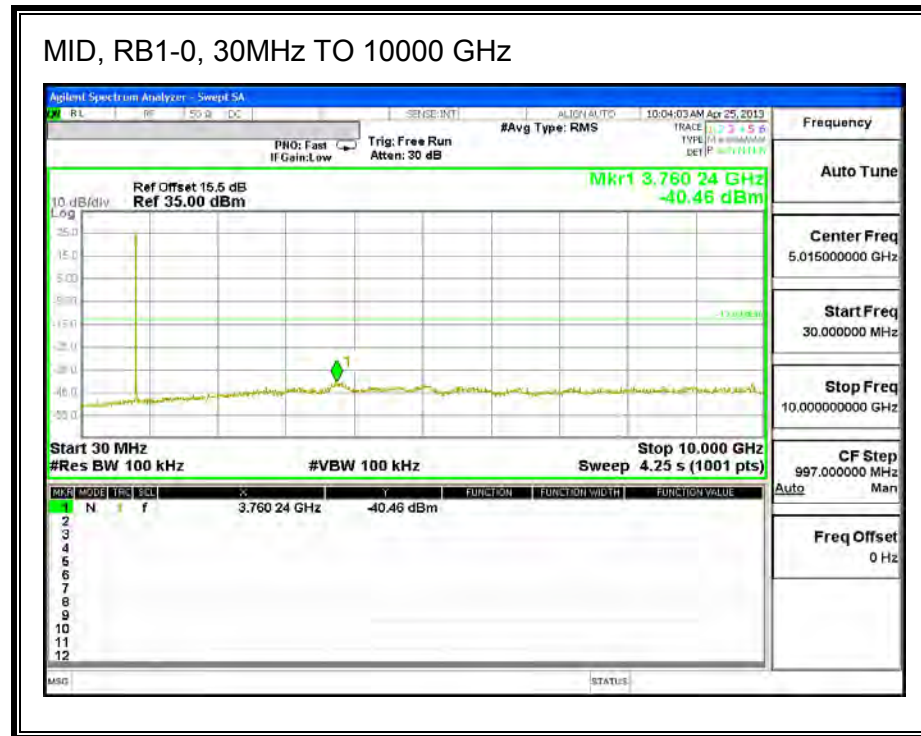
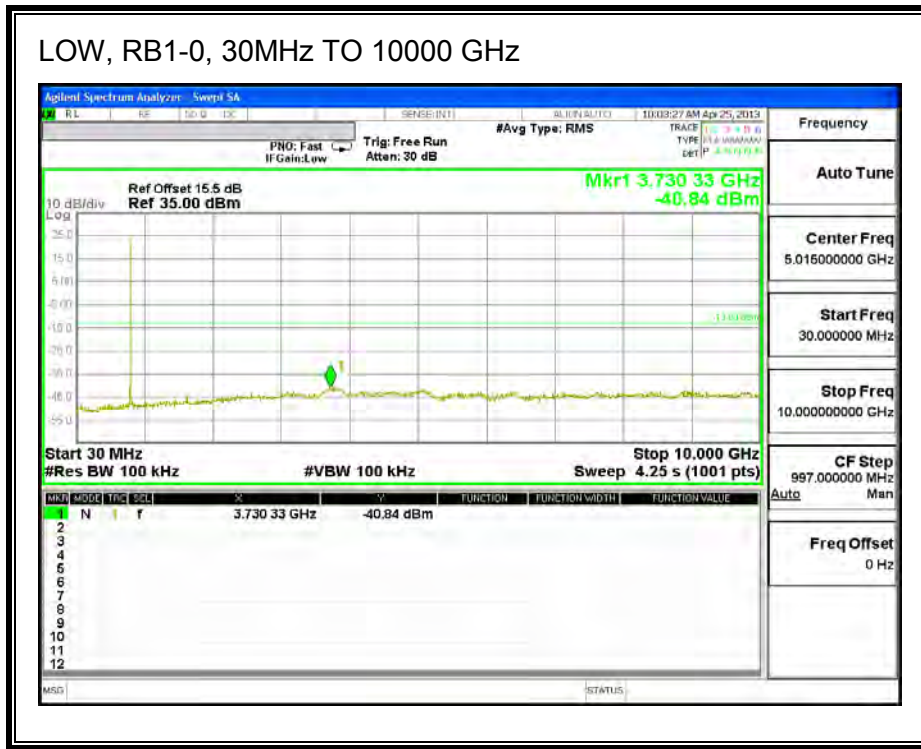
LTE 16QAM

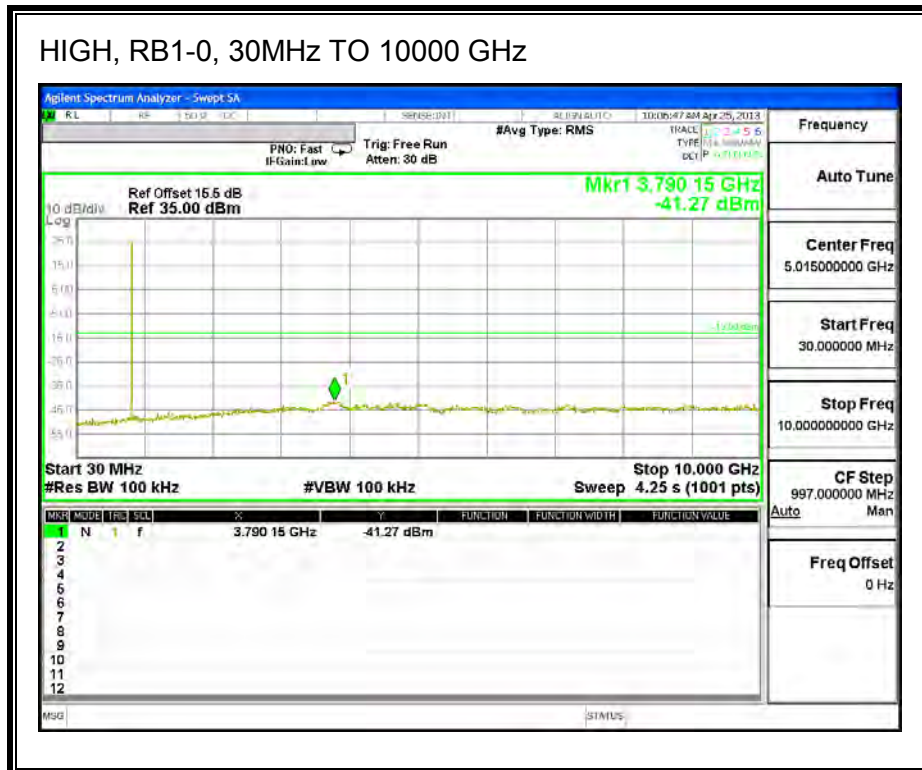




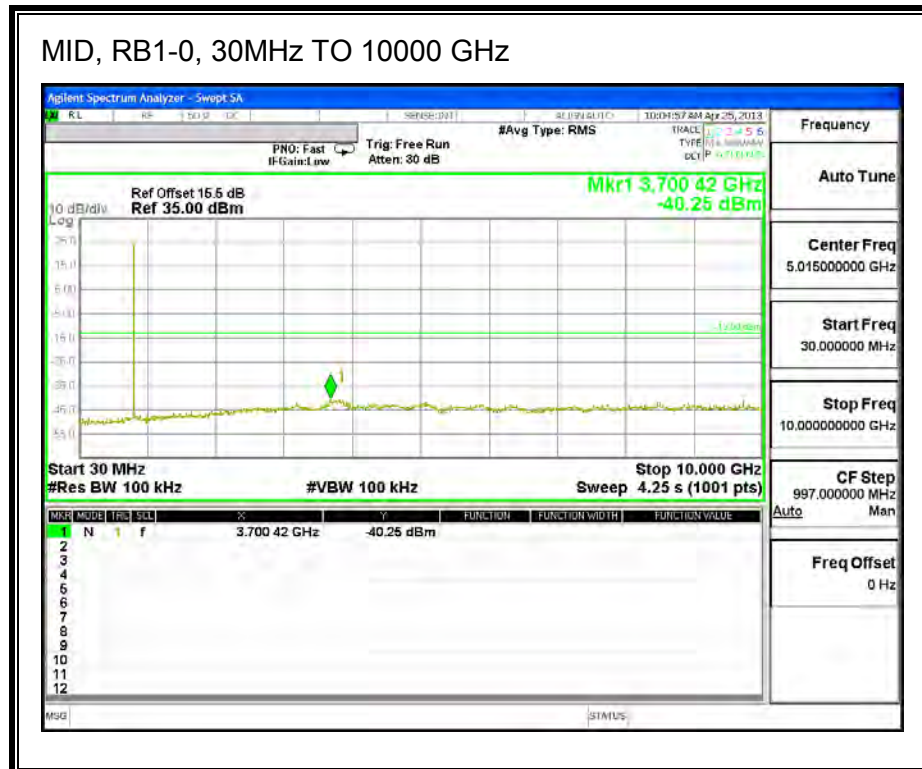
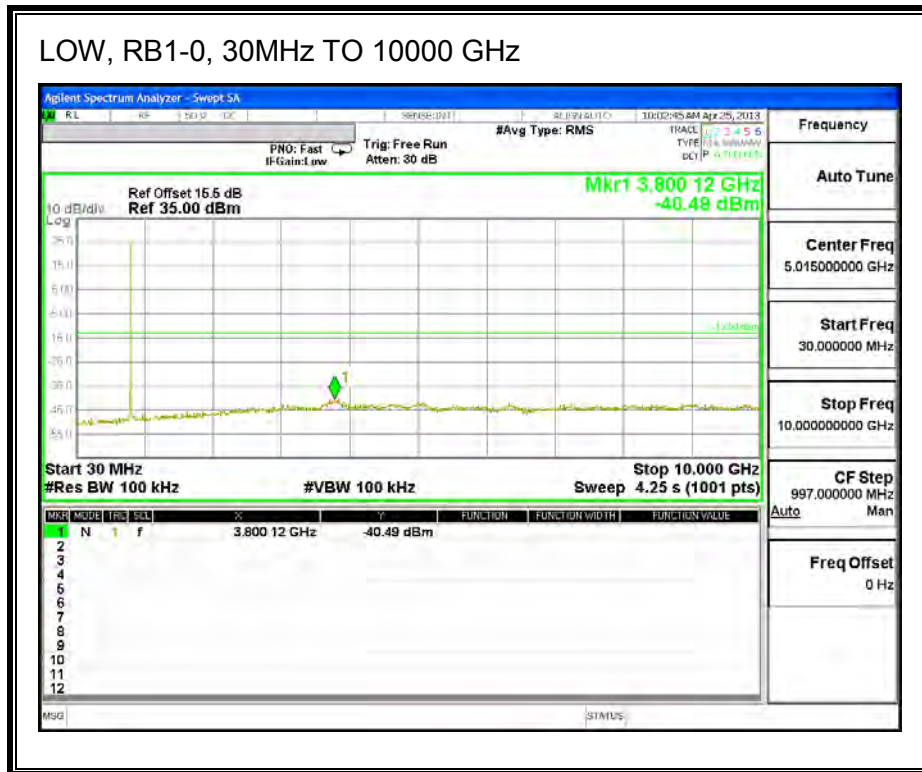
Band 5 (3.0 MHz BANDWIDTH)

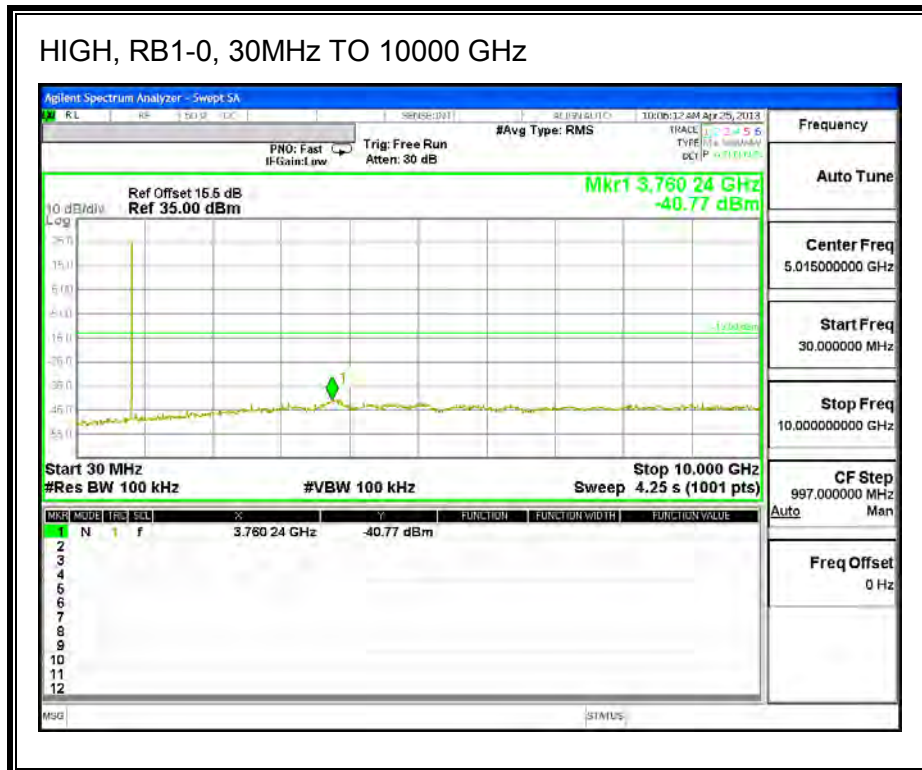
LTE QPSK





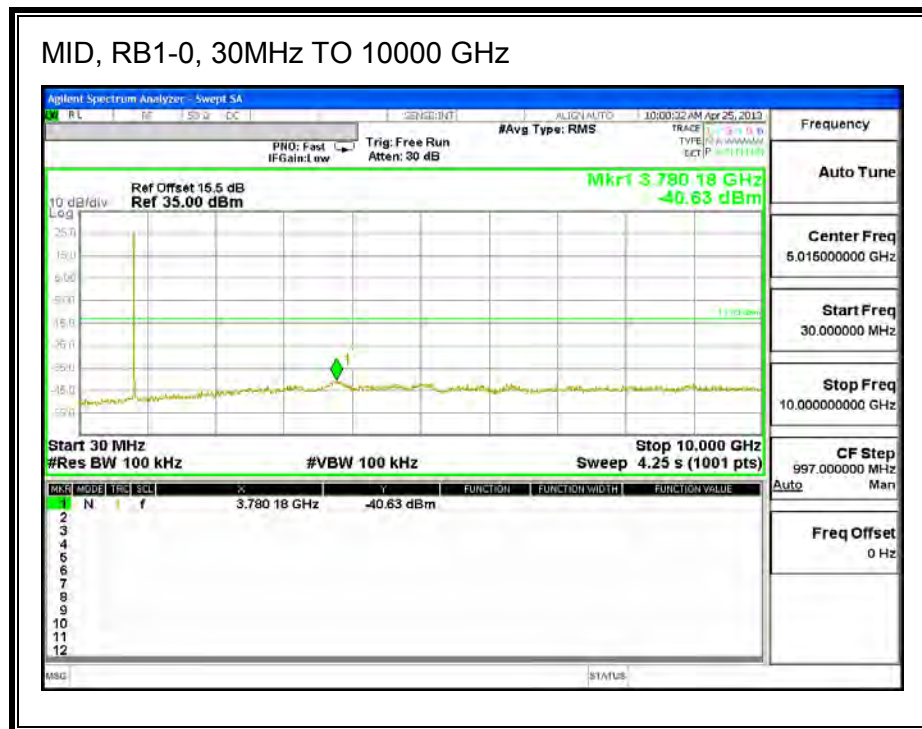
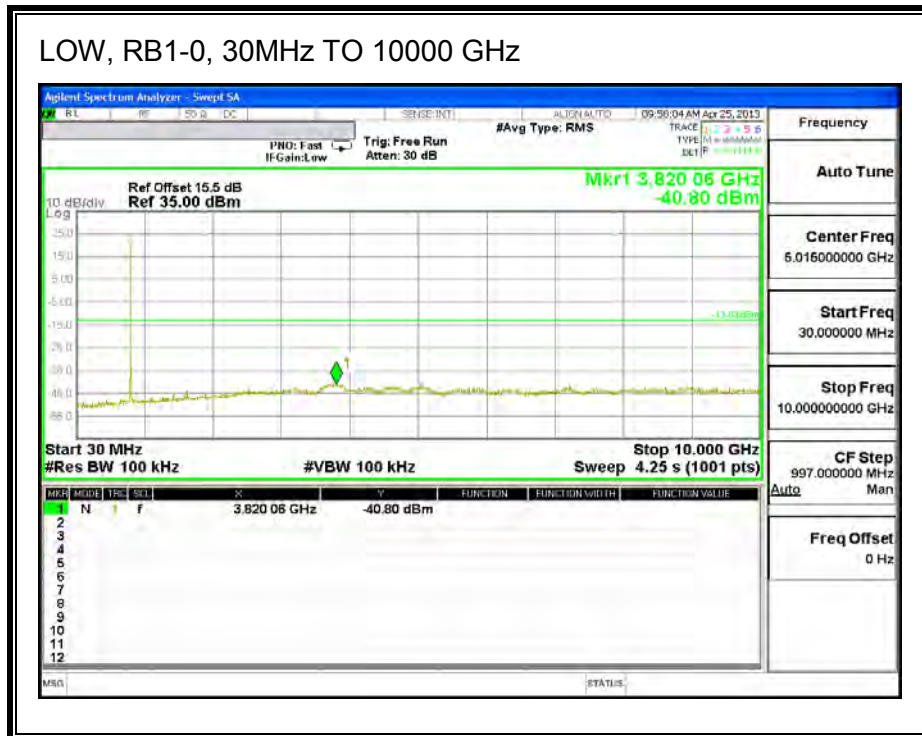
LTE 16QAM

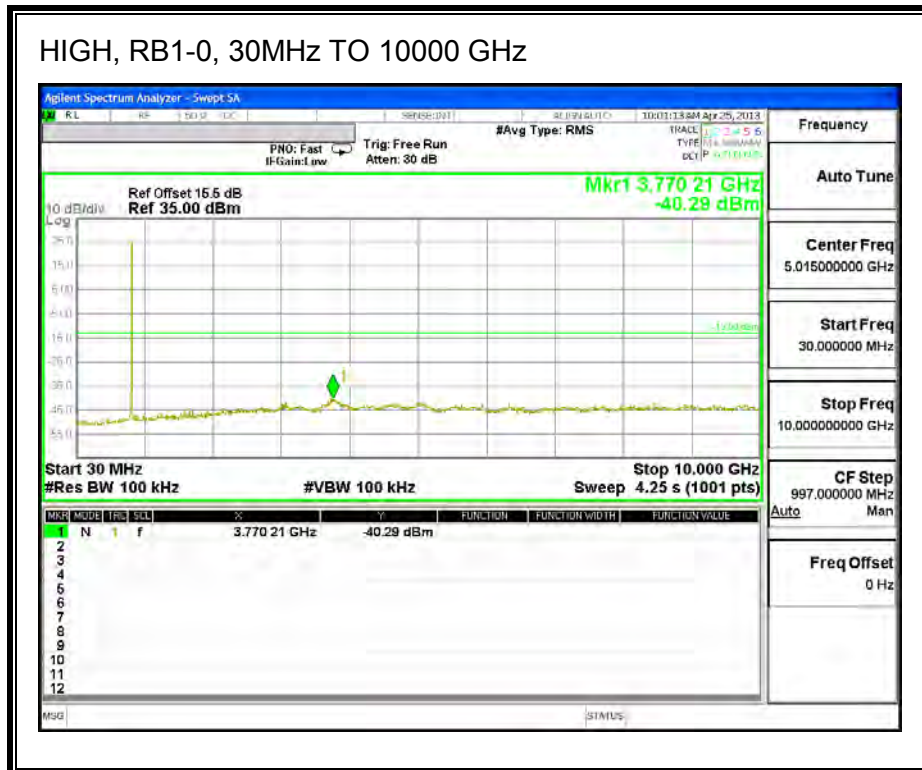




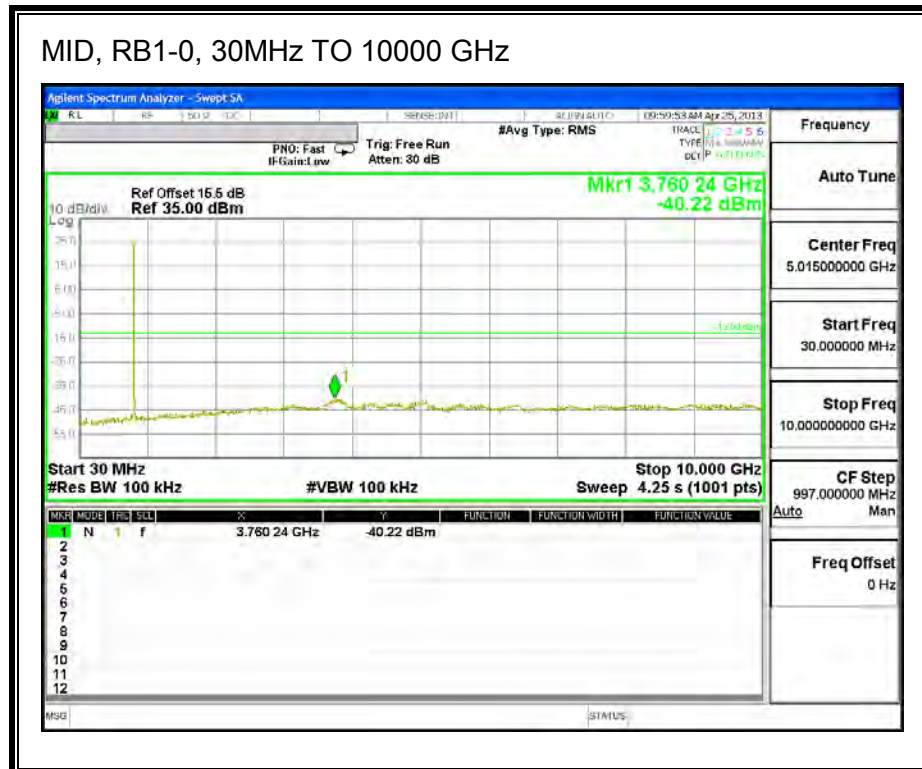
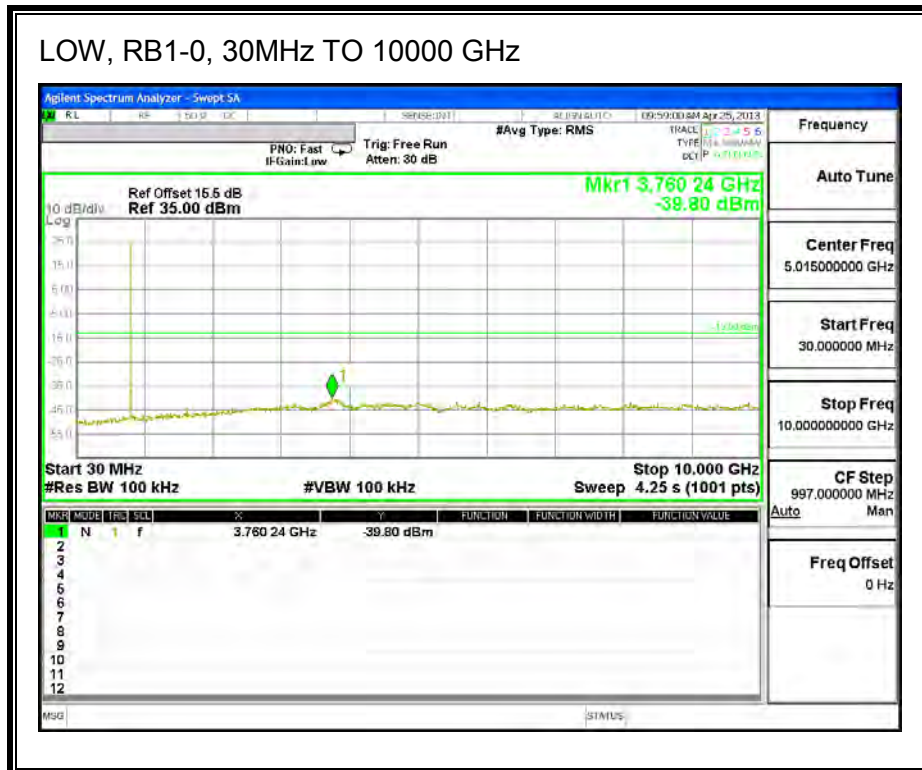
Band 5 (5 MHz BANDWIDTH)

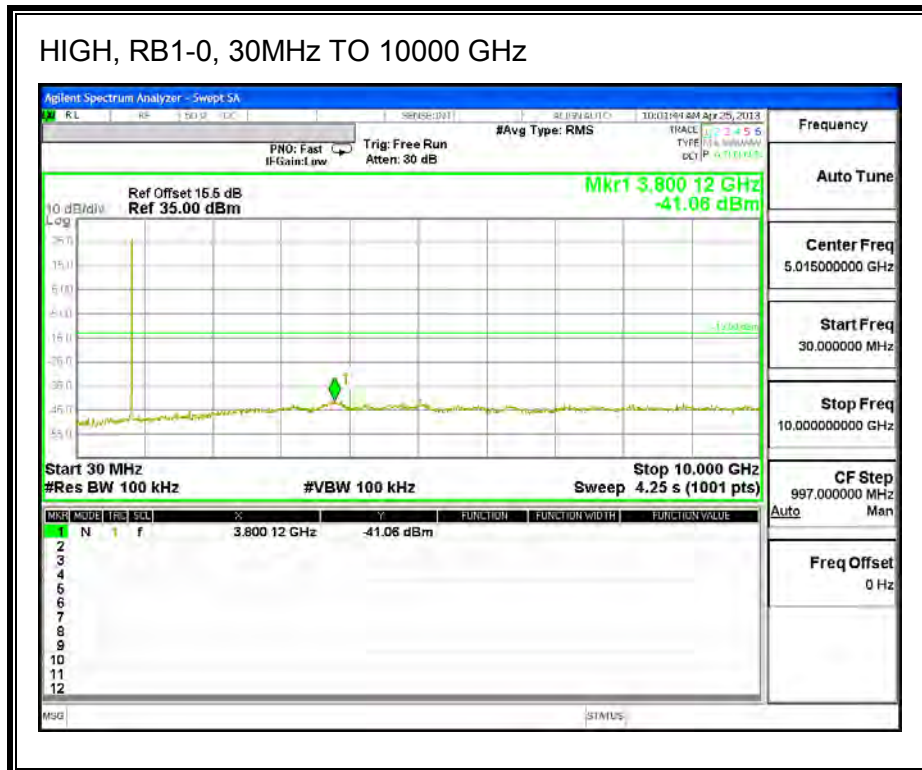
LTE QPSK





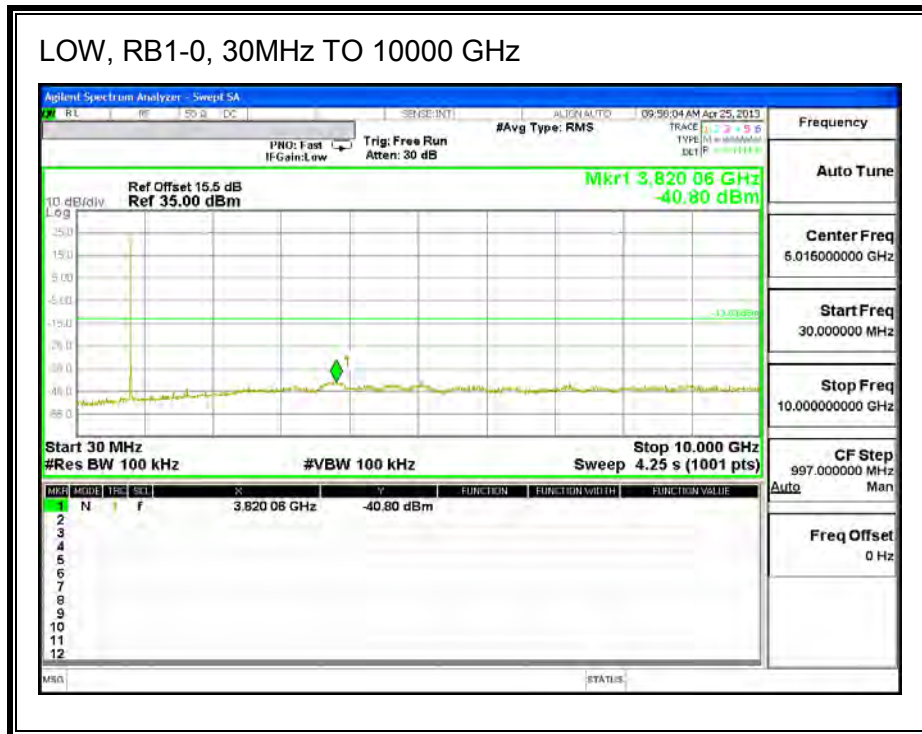
LTE 16QAM

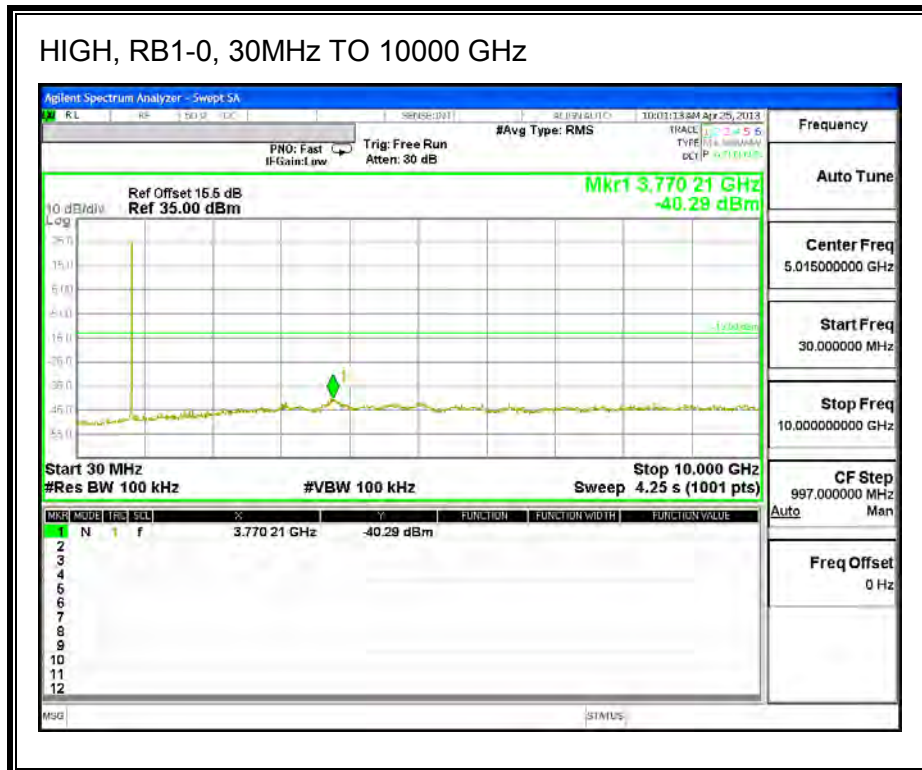




Band 5 (10 MHz BANDWIDTH)

LTE QPSK





LTE 16QAM

