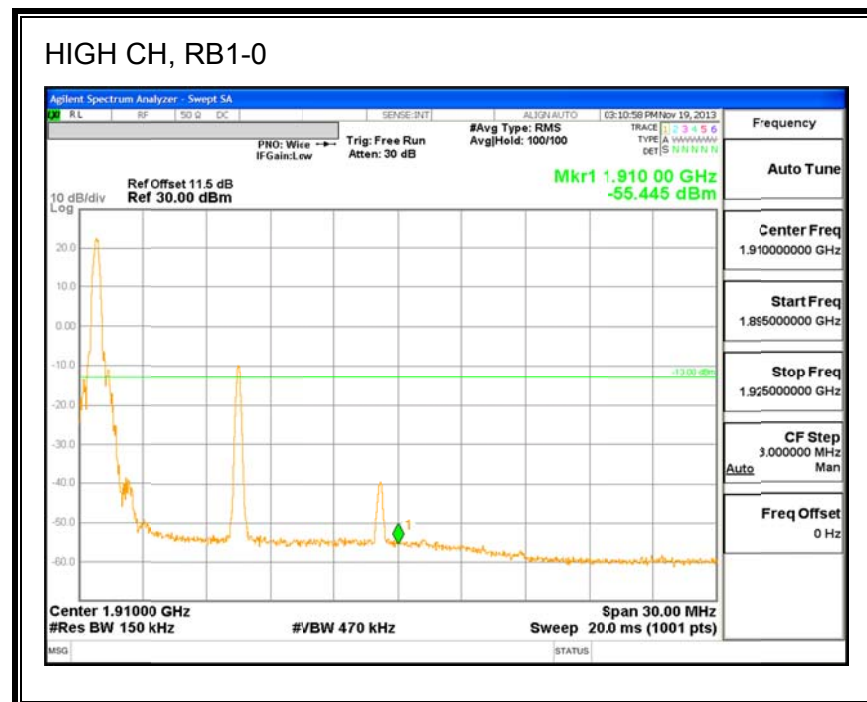
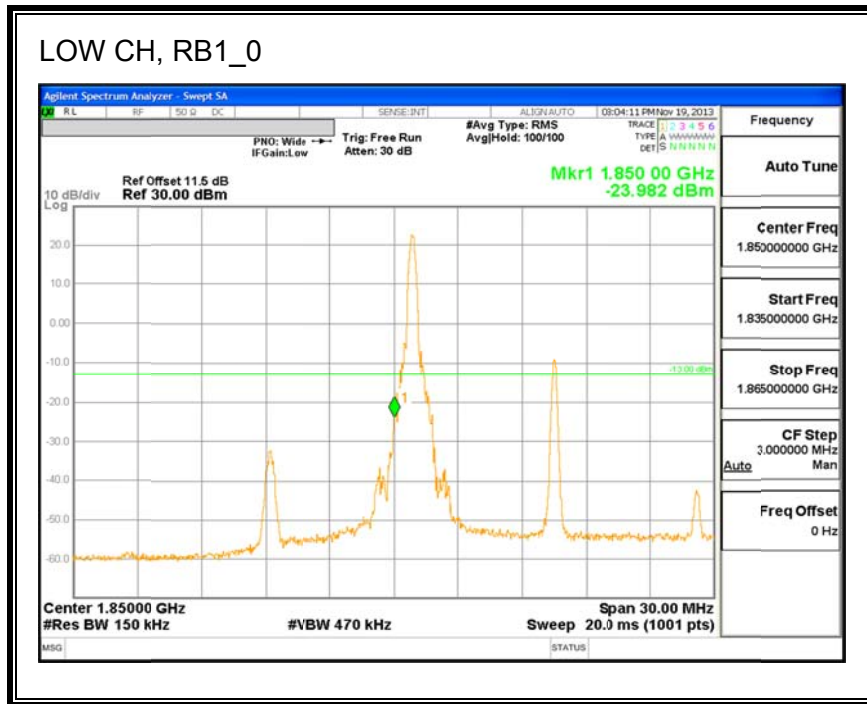
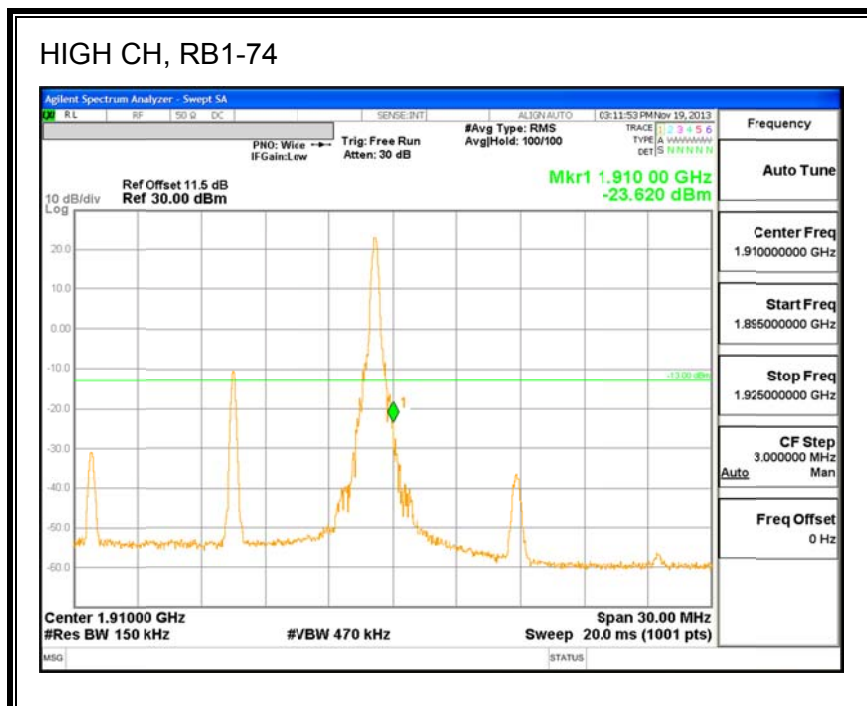
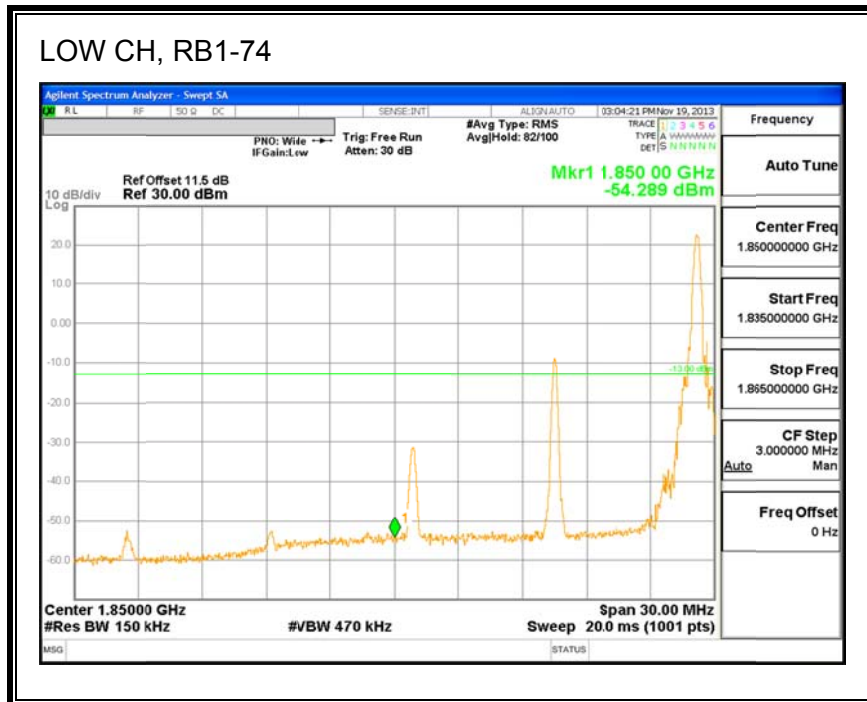
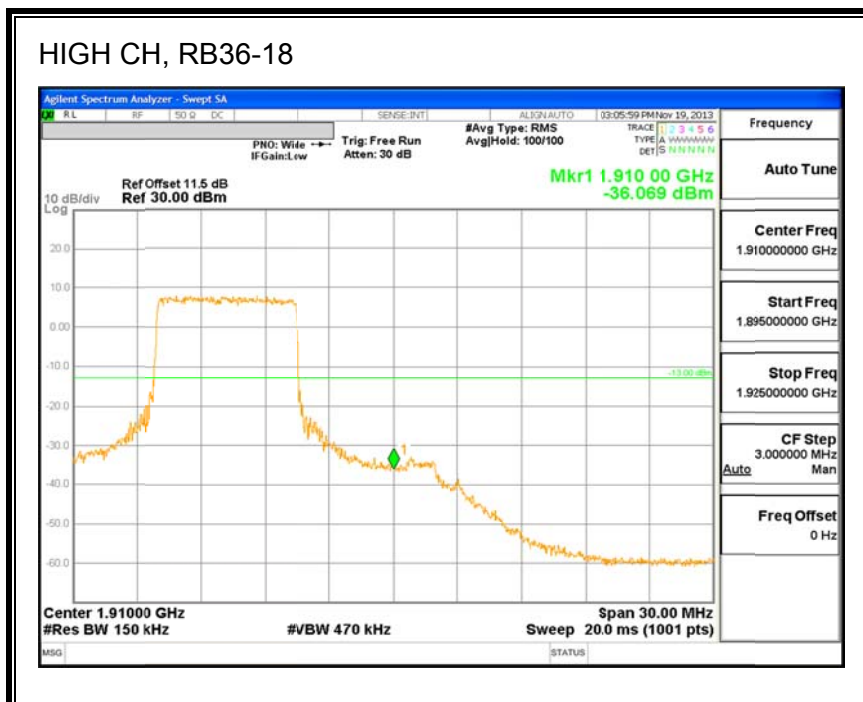
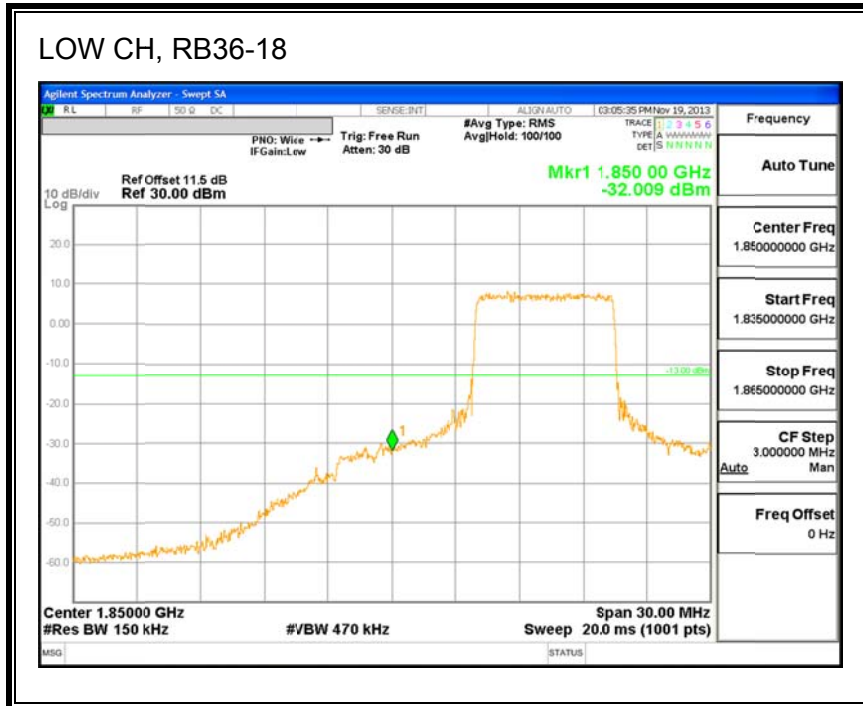


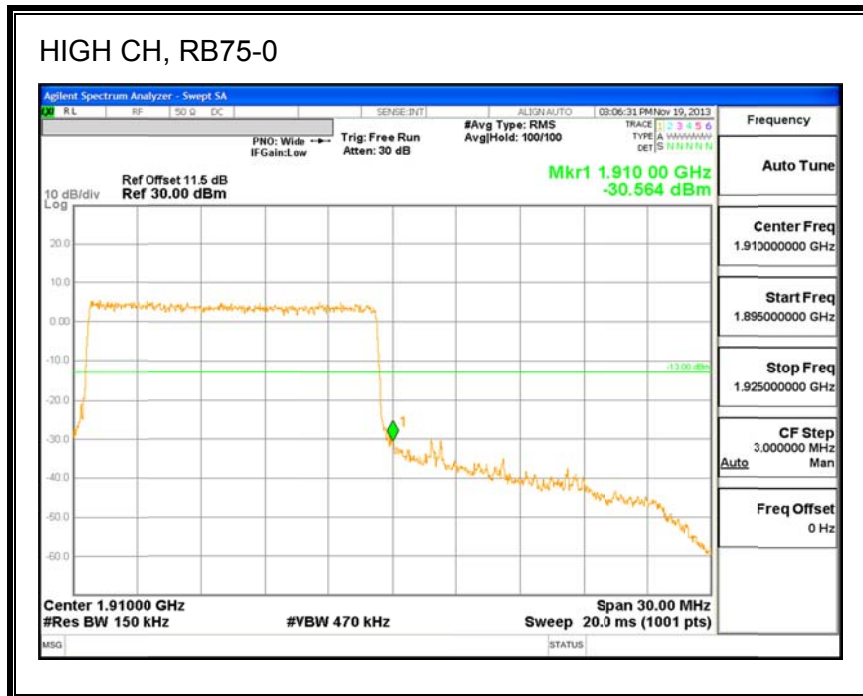
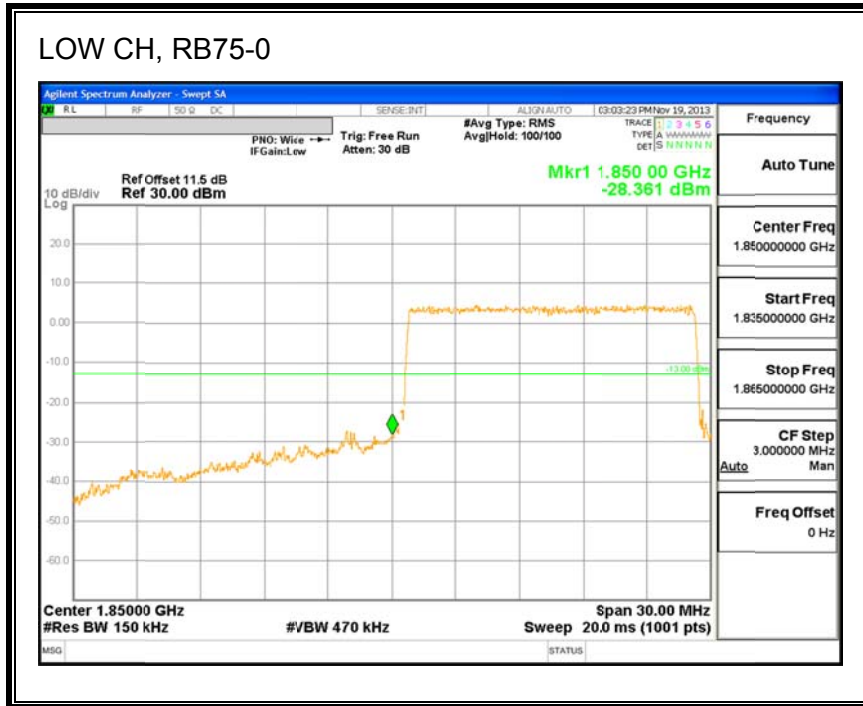
**Band 2 (15MHz BANDWIDTH)**

**LTE QPSK**



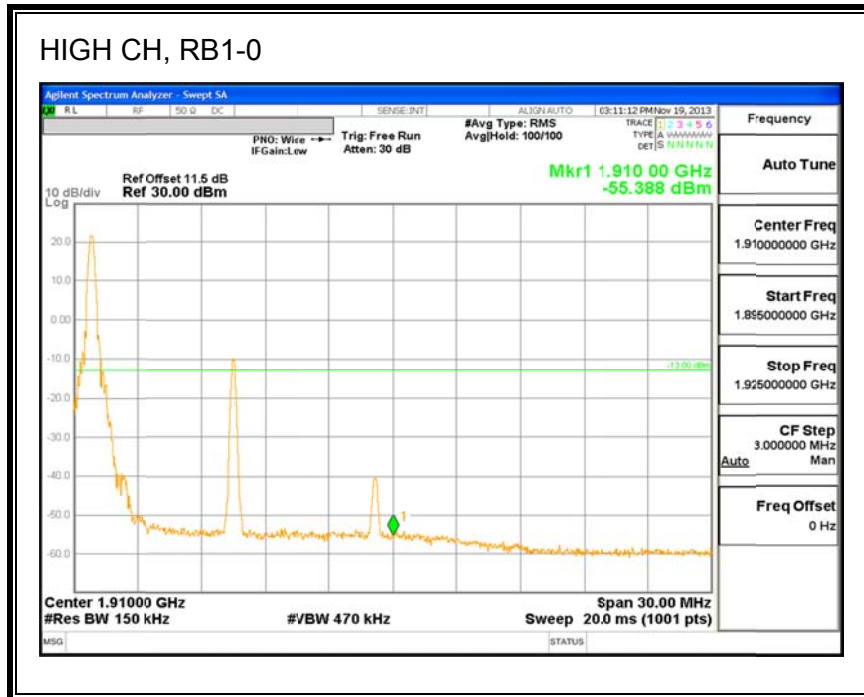
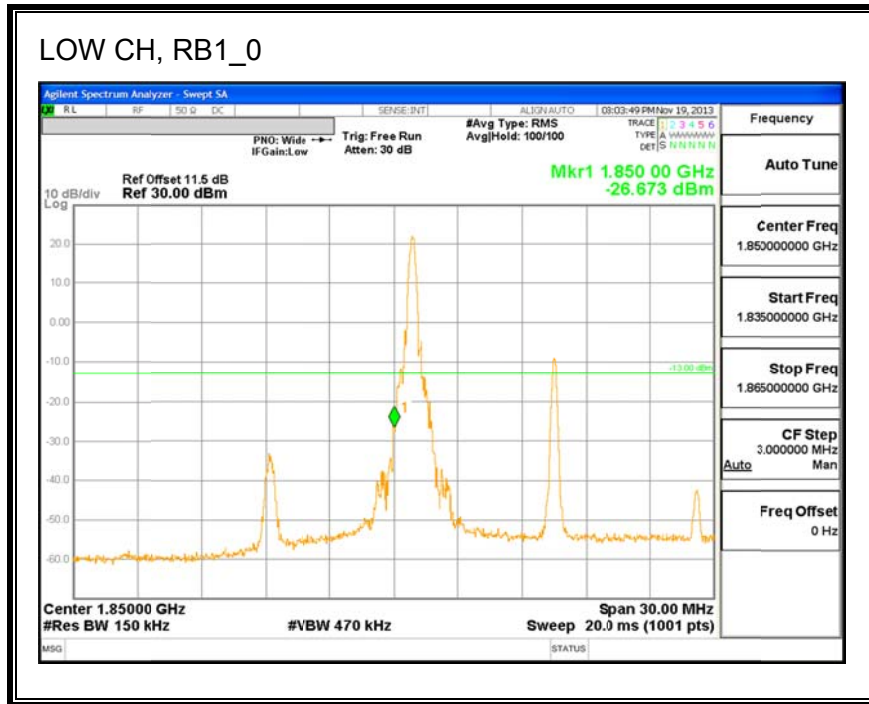


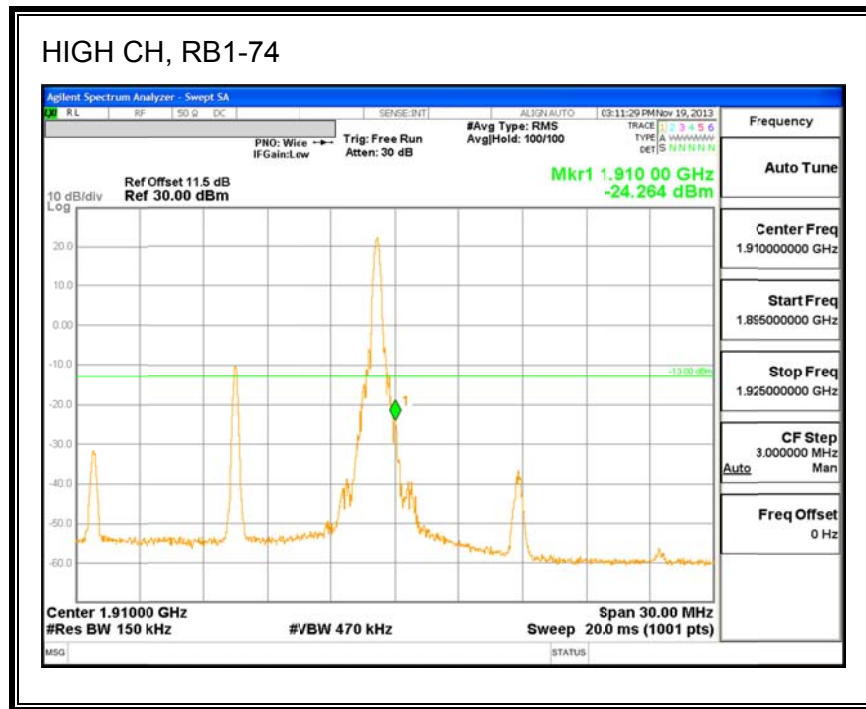
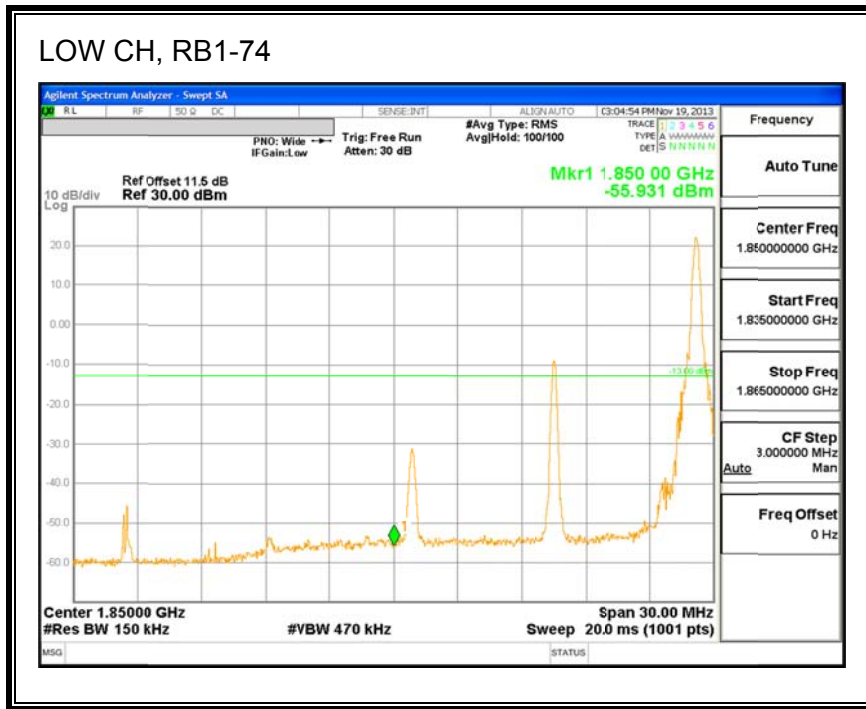


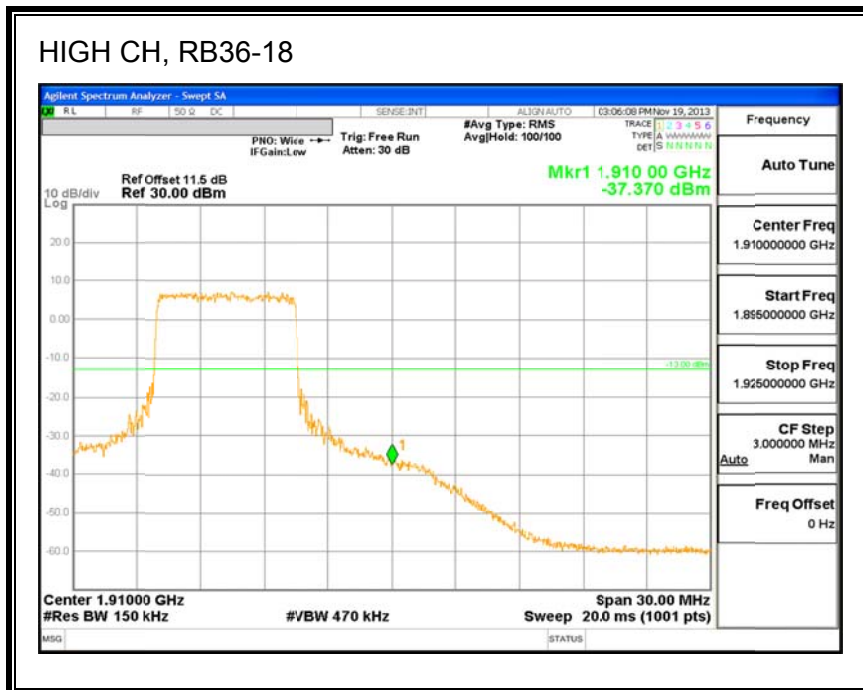
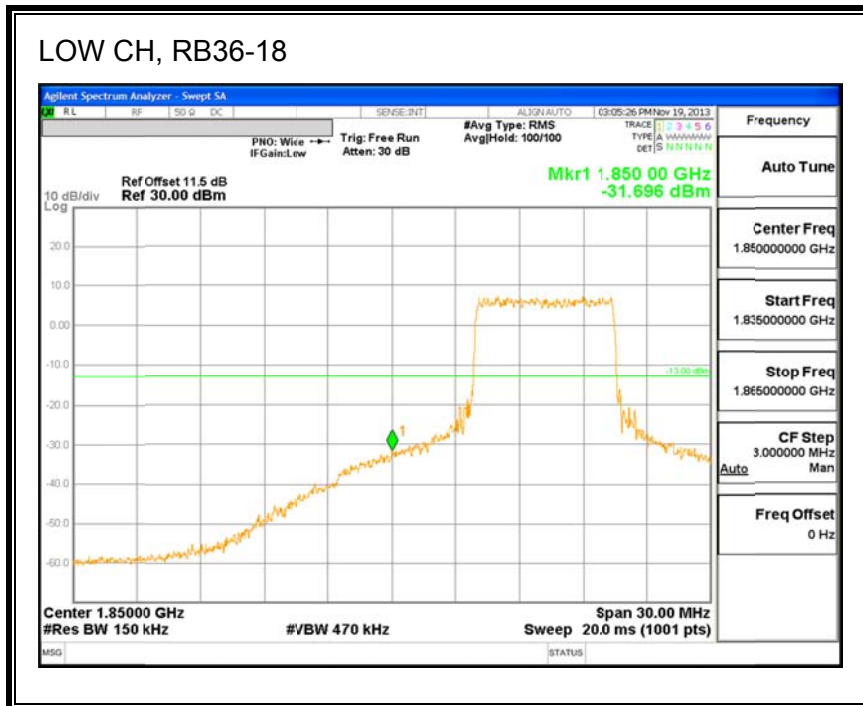


**Band 2 (15MHz BANDWIDTH)**

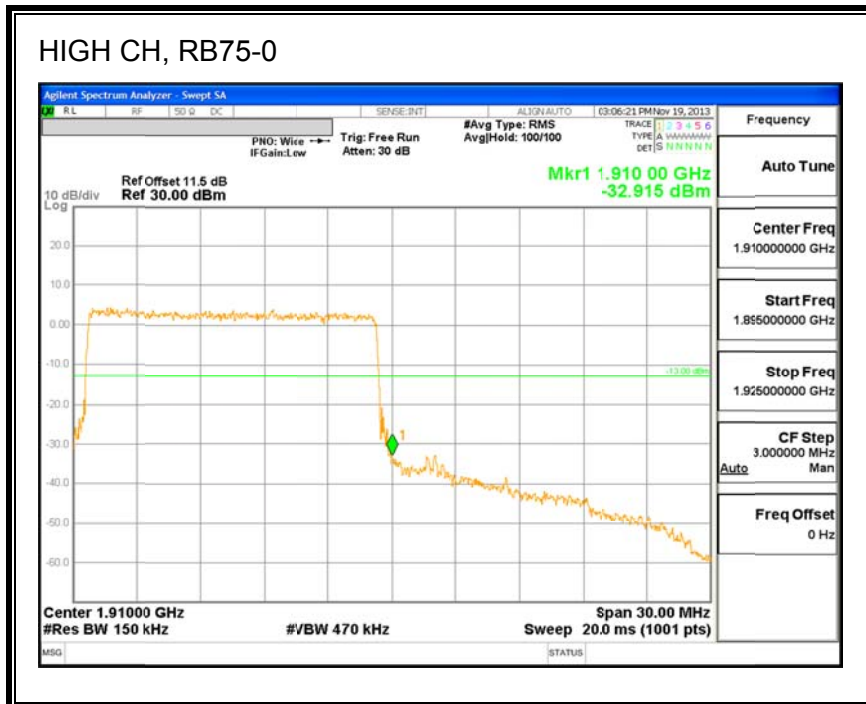
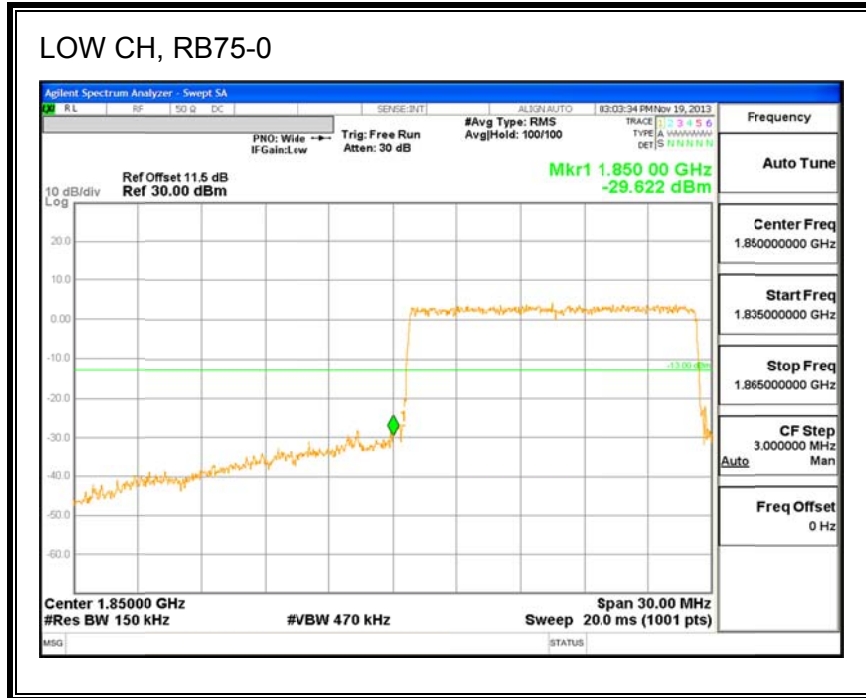
**LTE 16QAM**







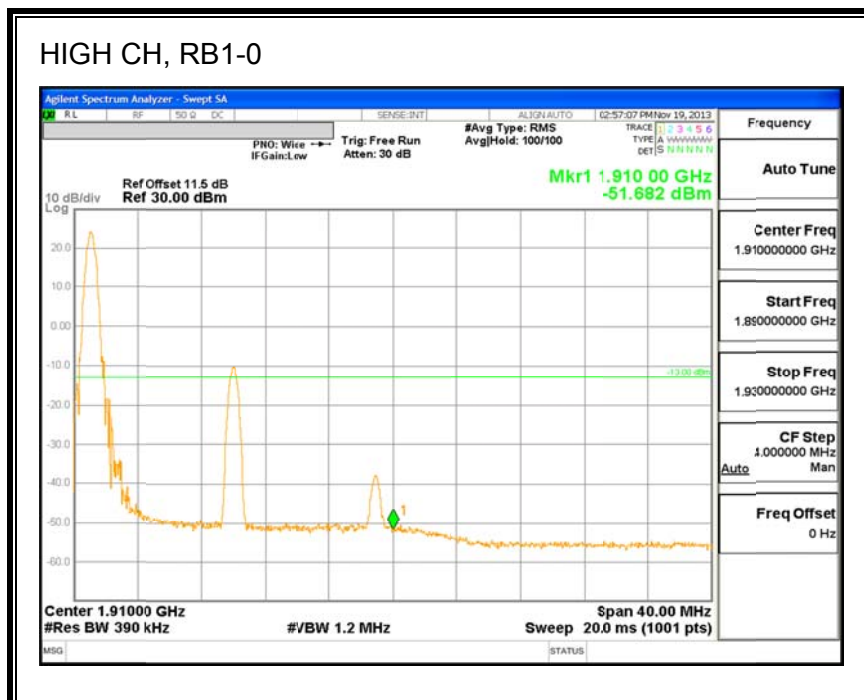
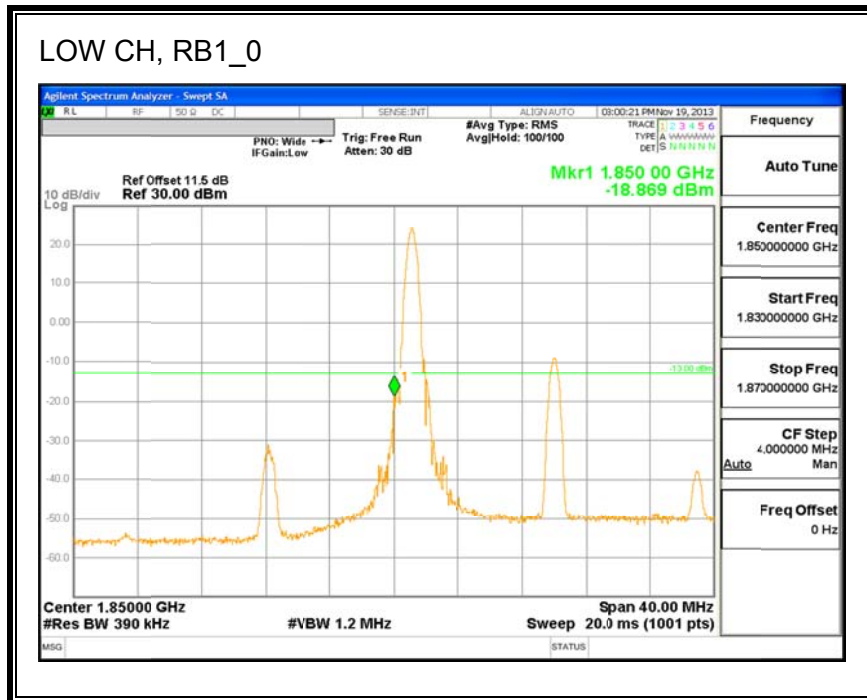


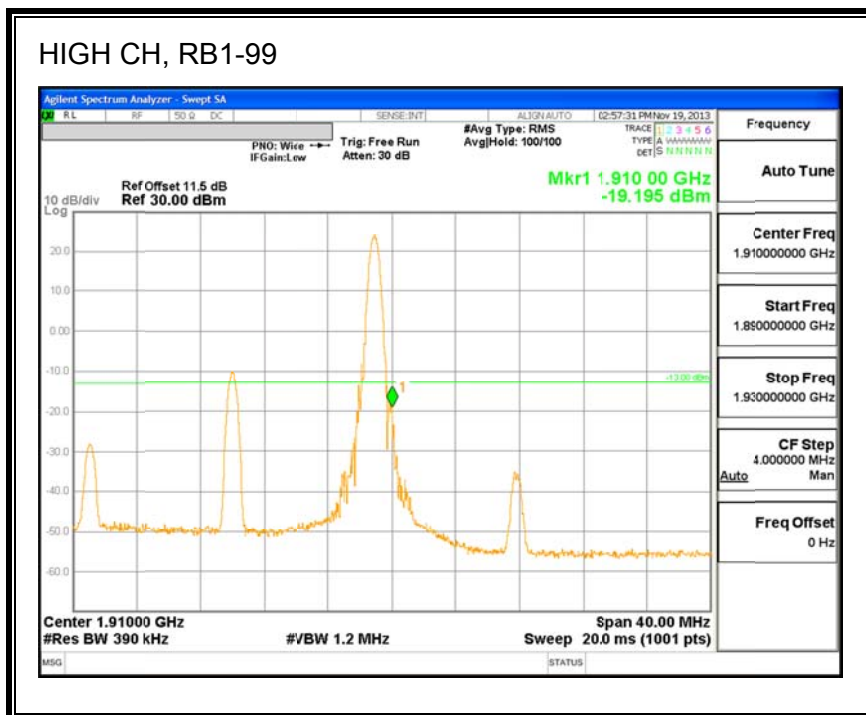
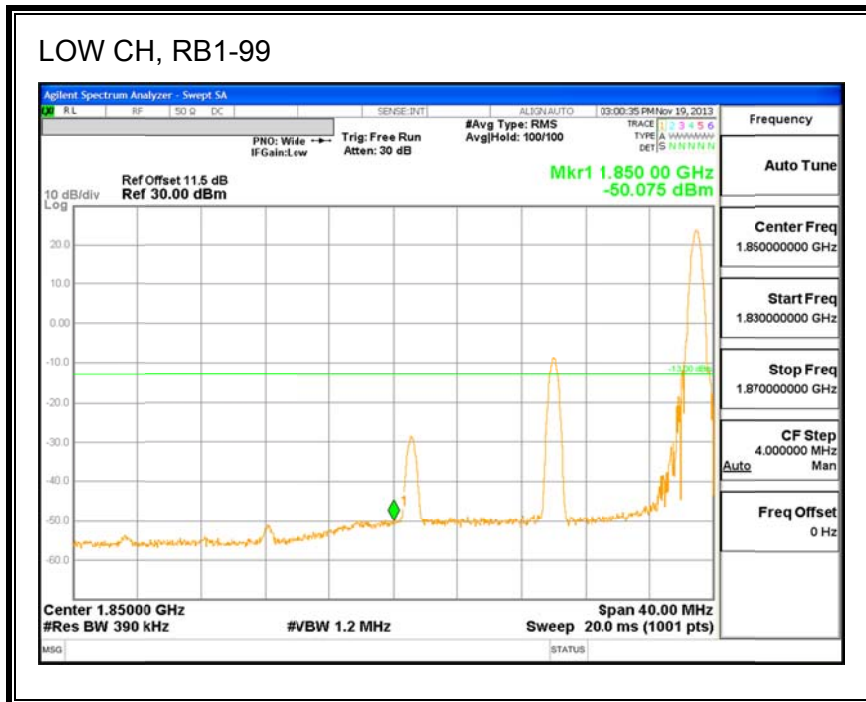


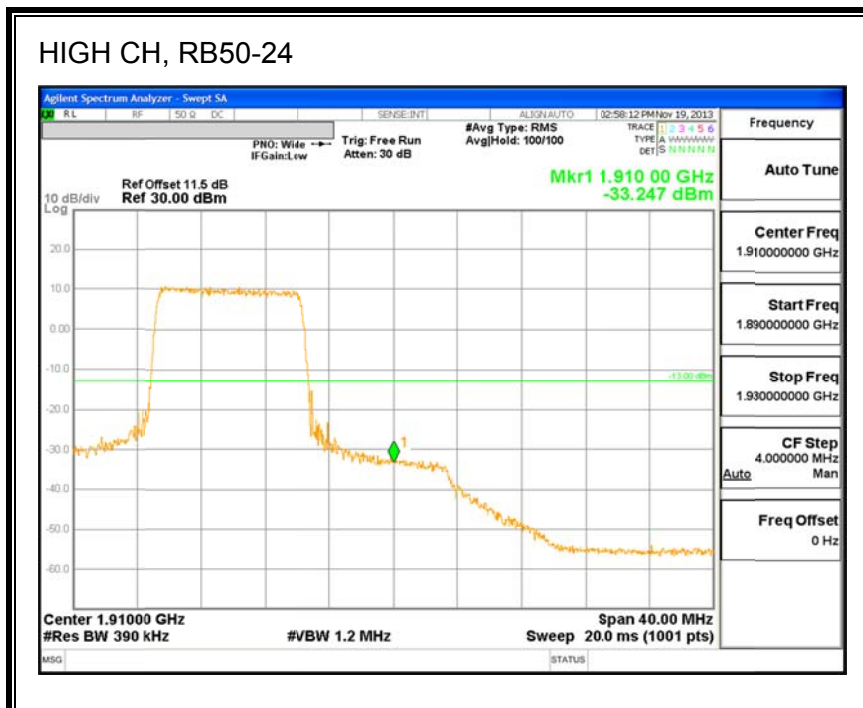
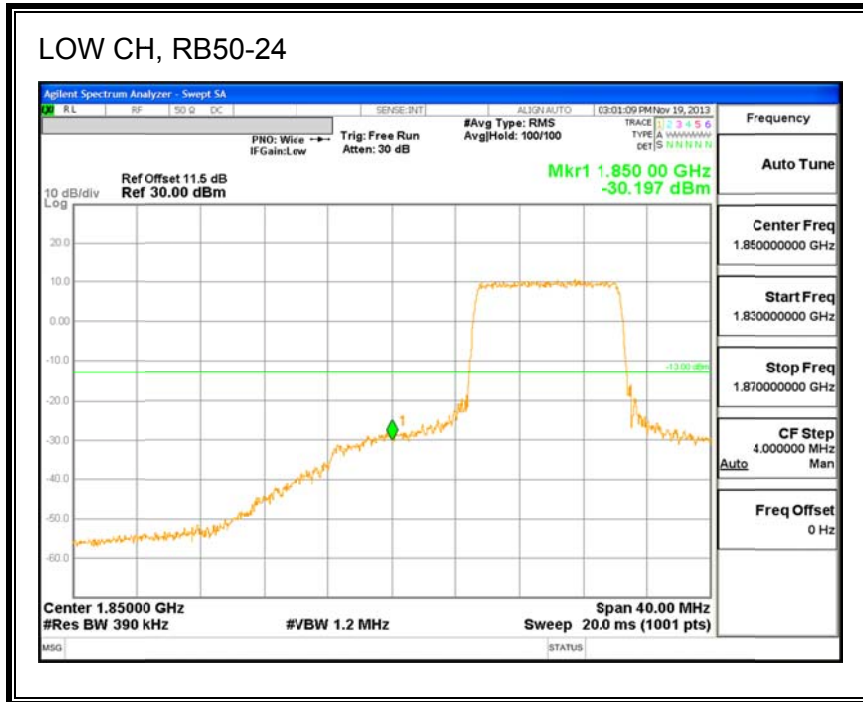


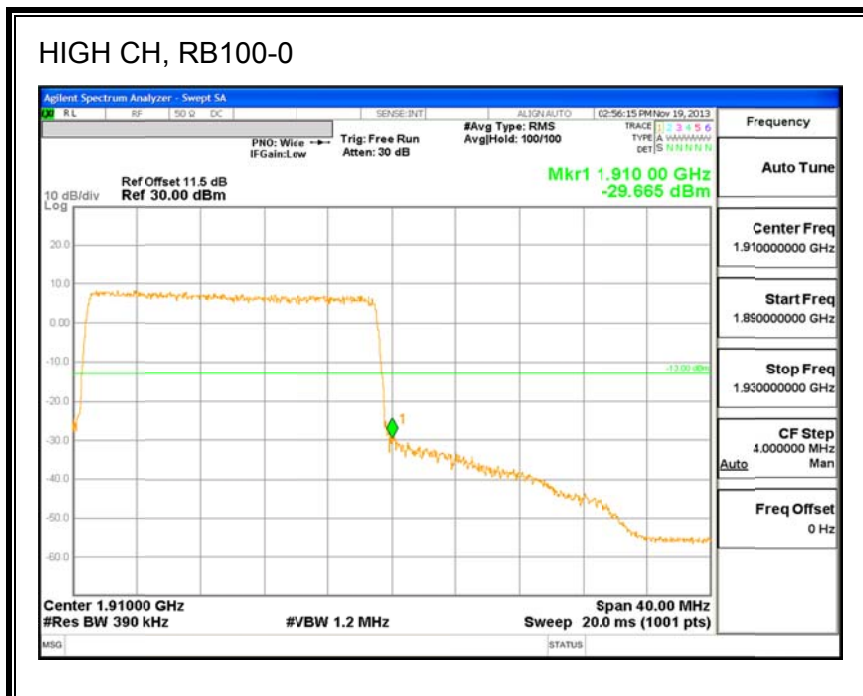
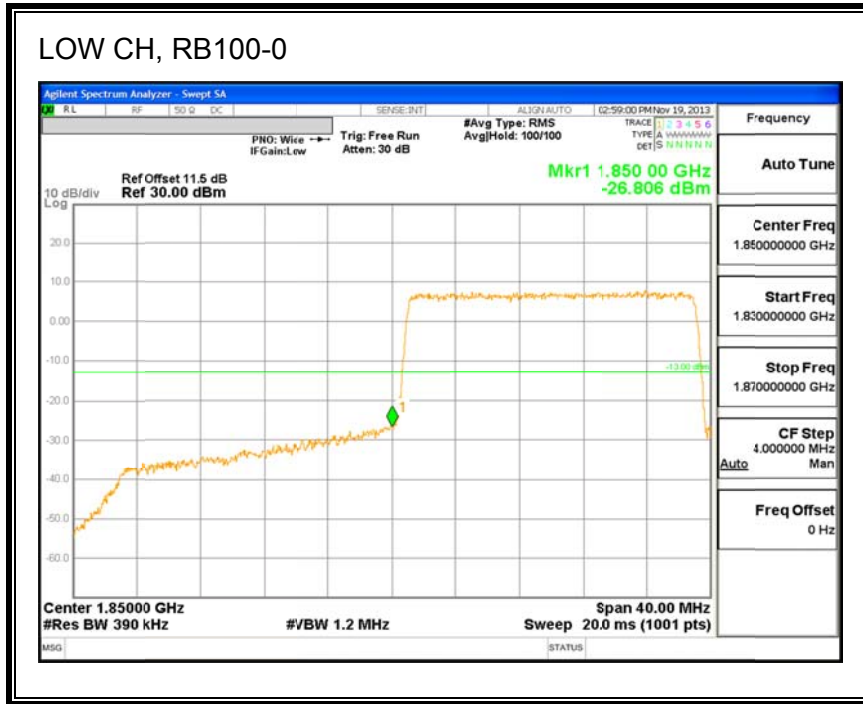
**Band 2 (20MHz BANDWIDTH)**

**LTE QPSK**



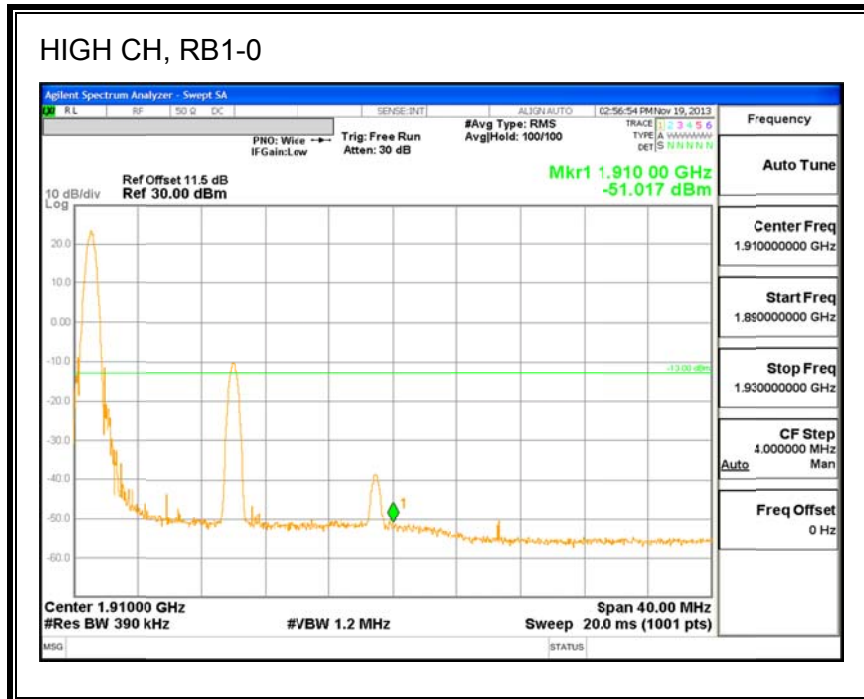
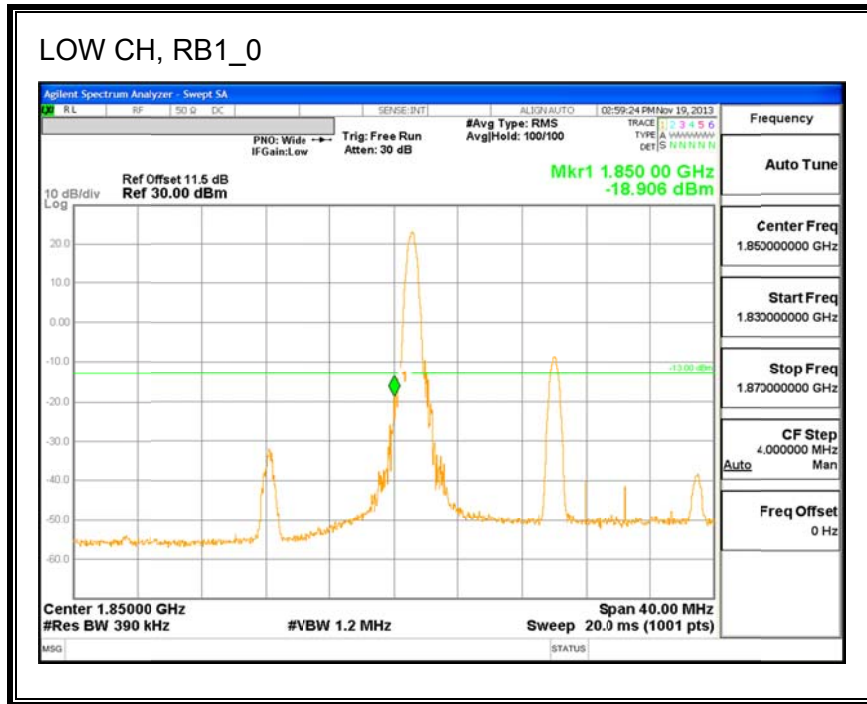


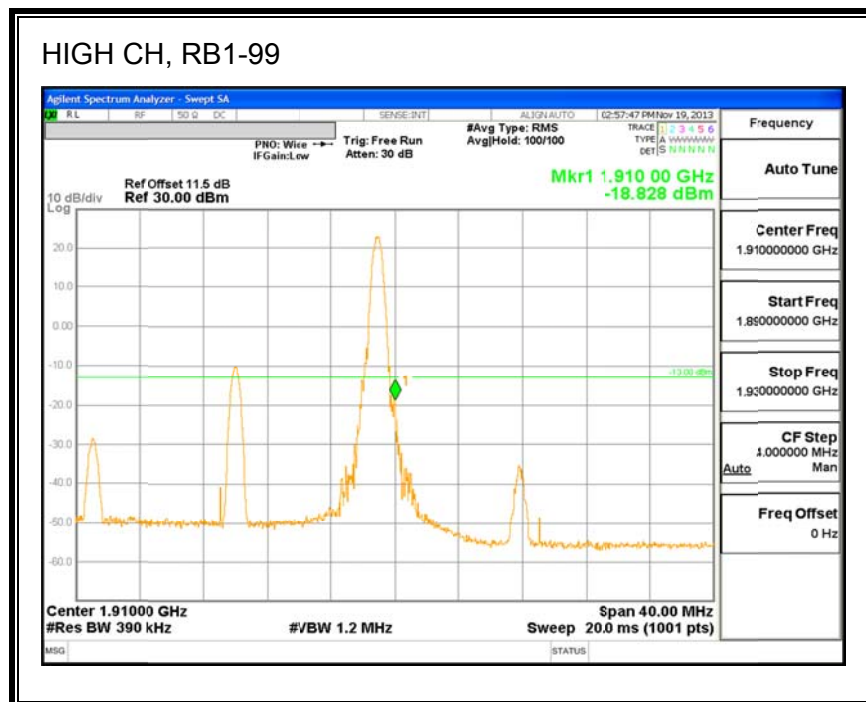
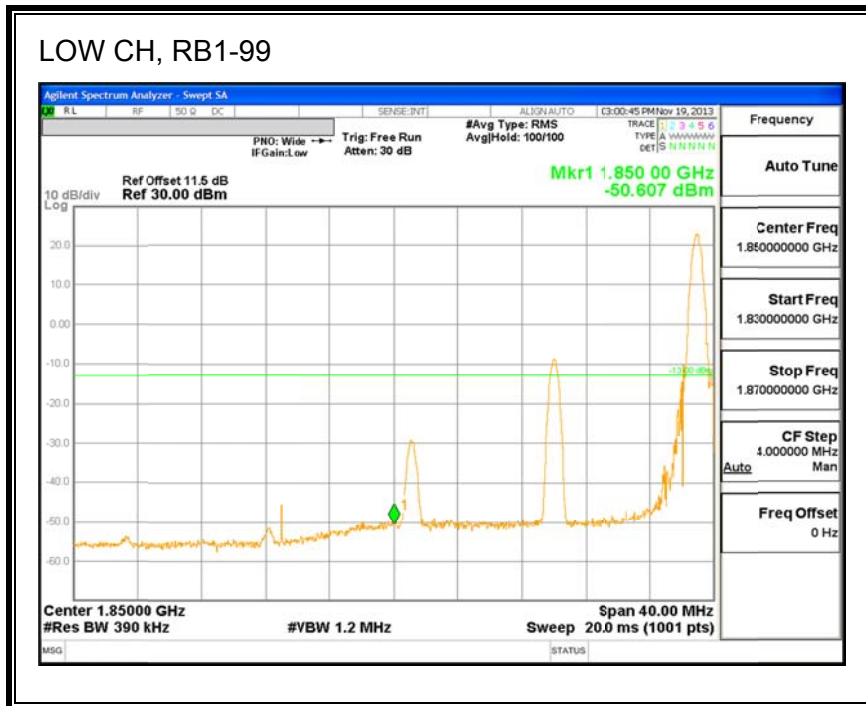


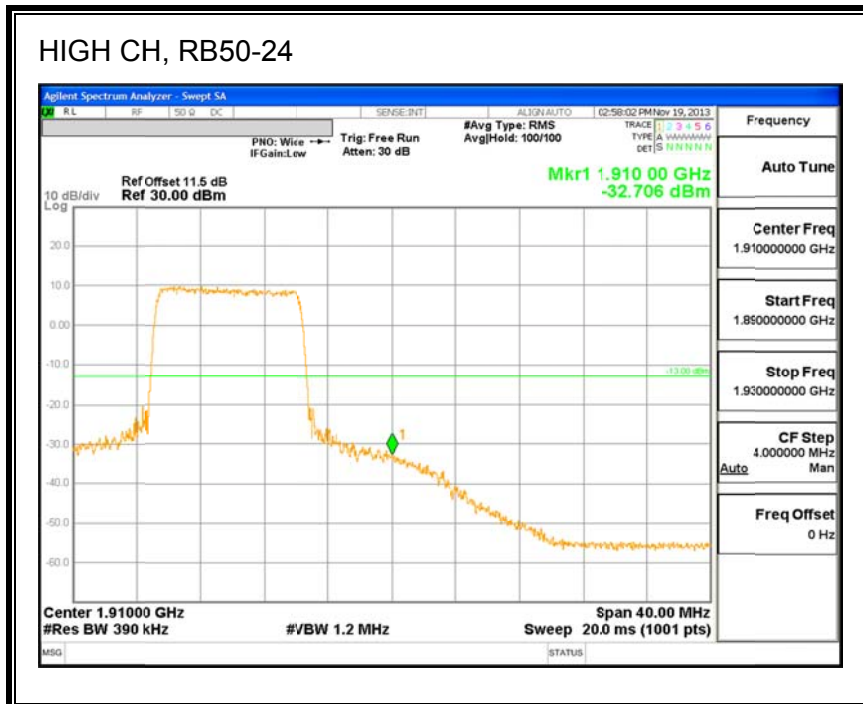
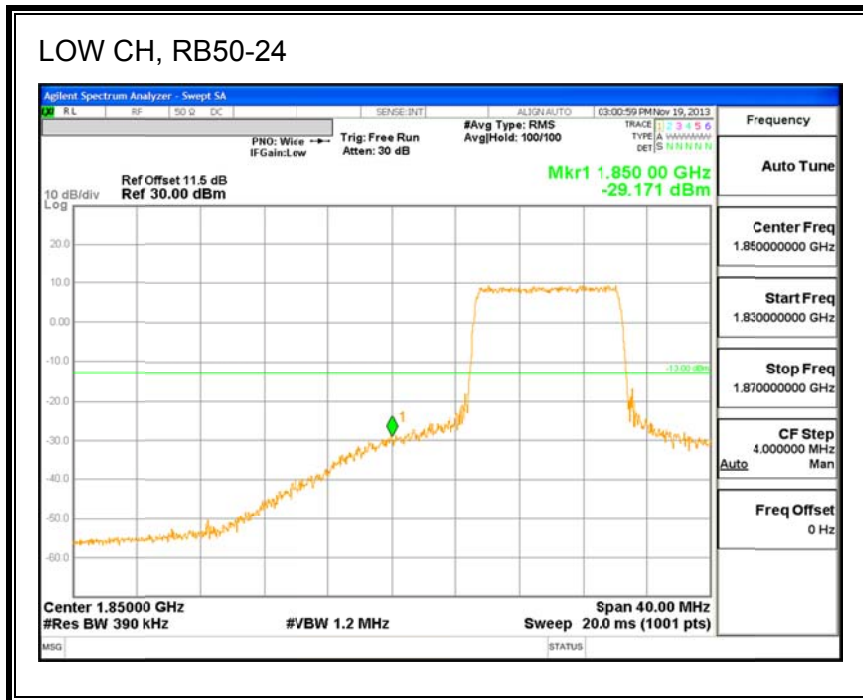


**Band 2 (20MHz BANDWIDTH)**

**LTE 16QAM**

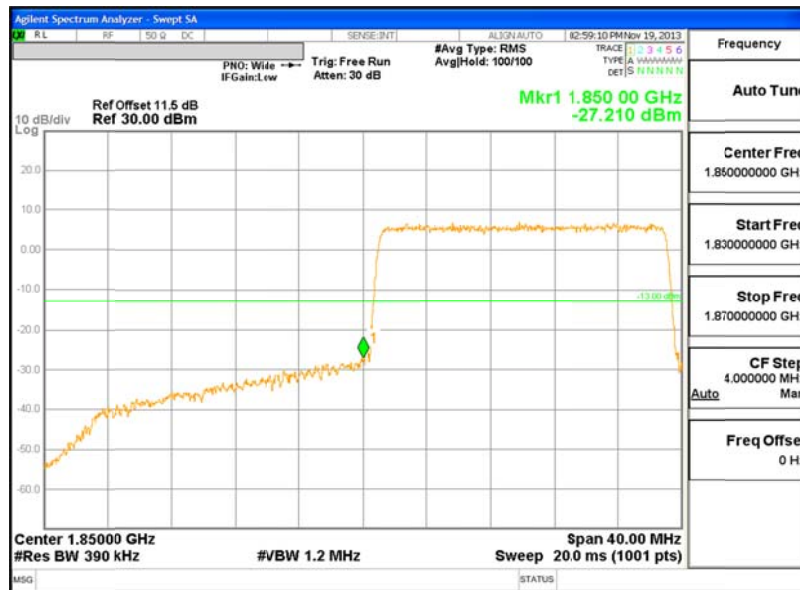




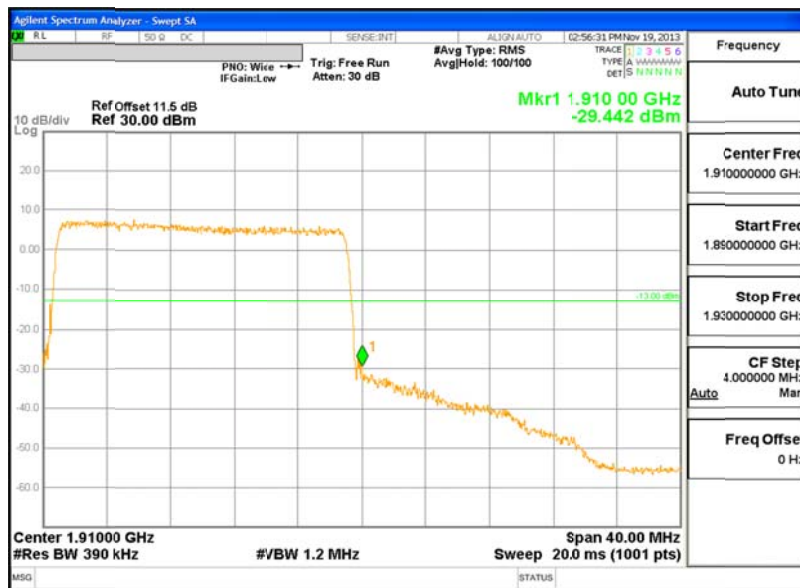




LOW CH, RB100-0



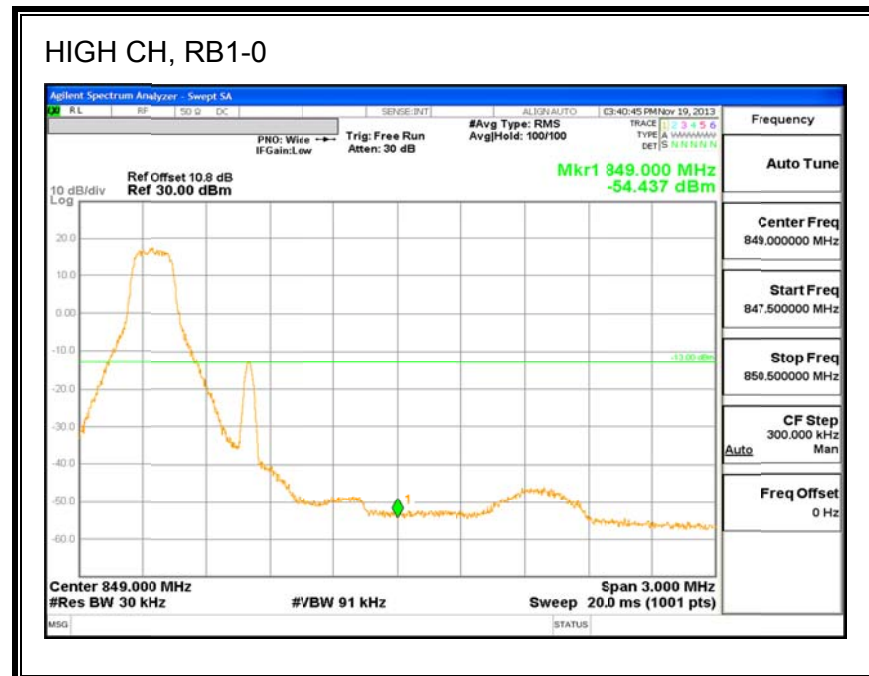
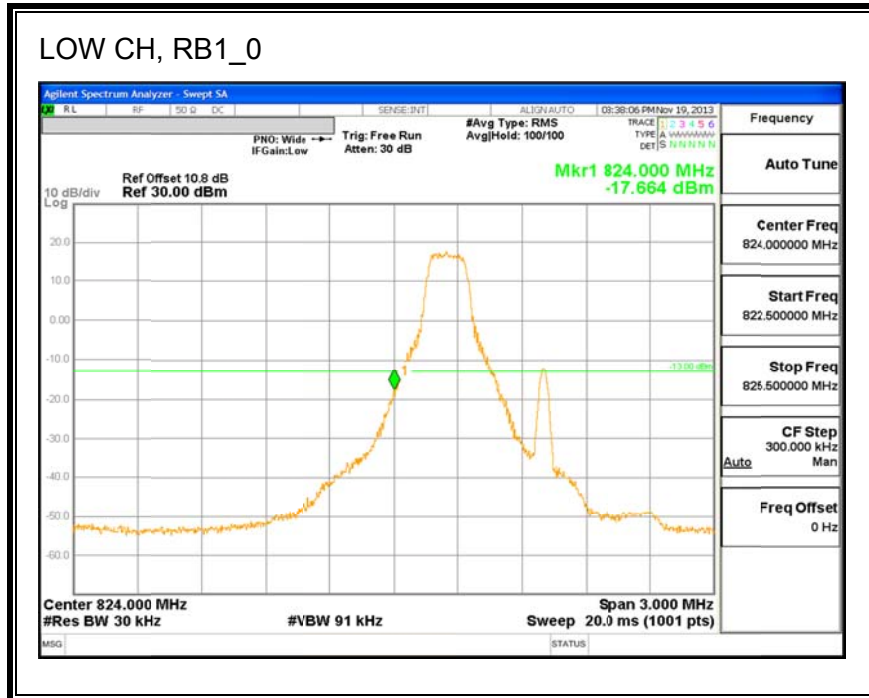
HIGH CH, RB100-0

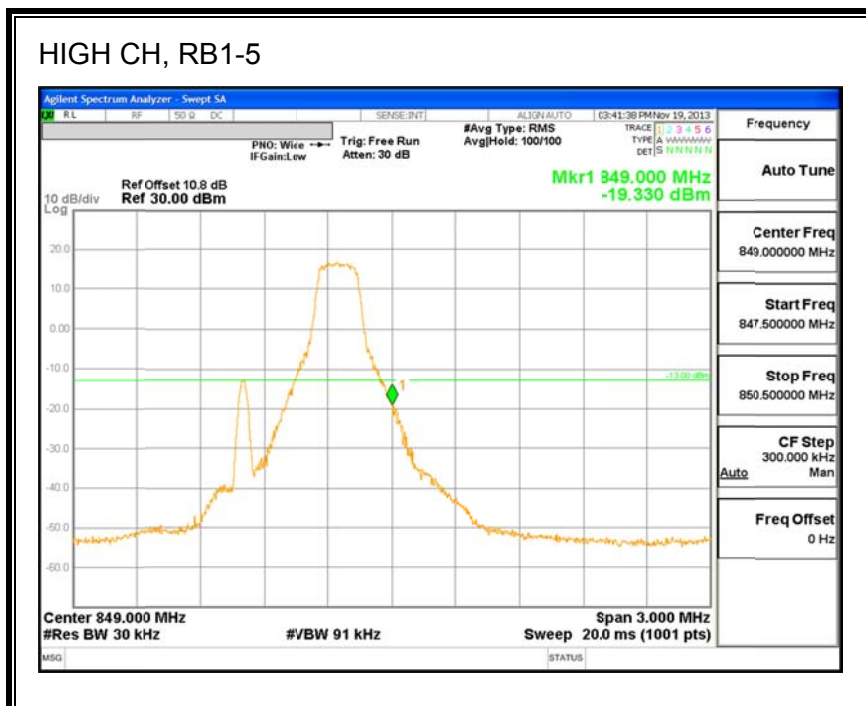
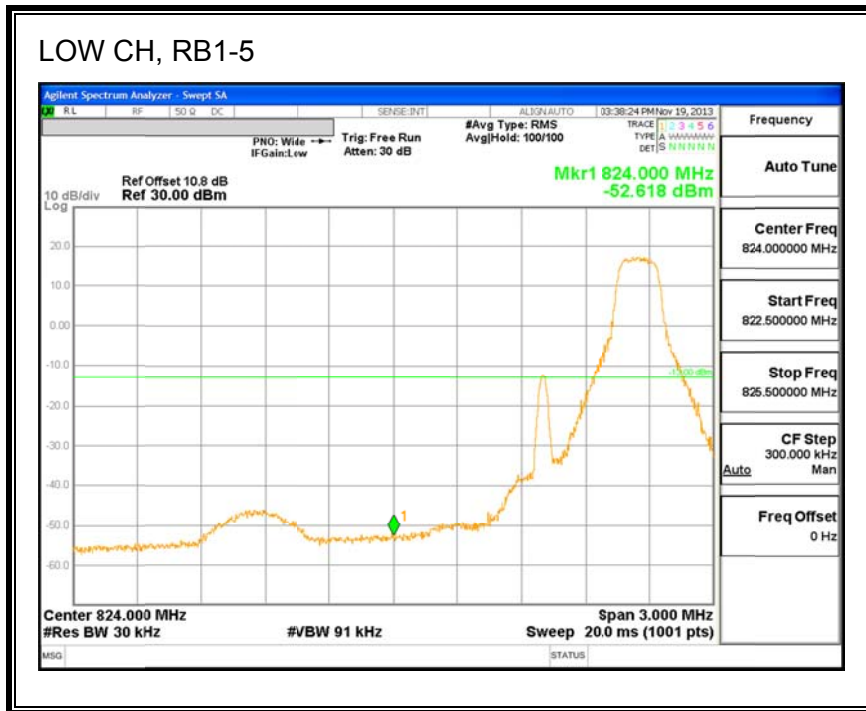


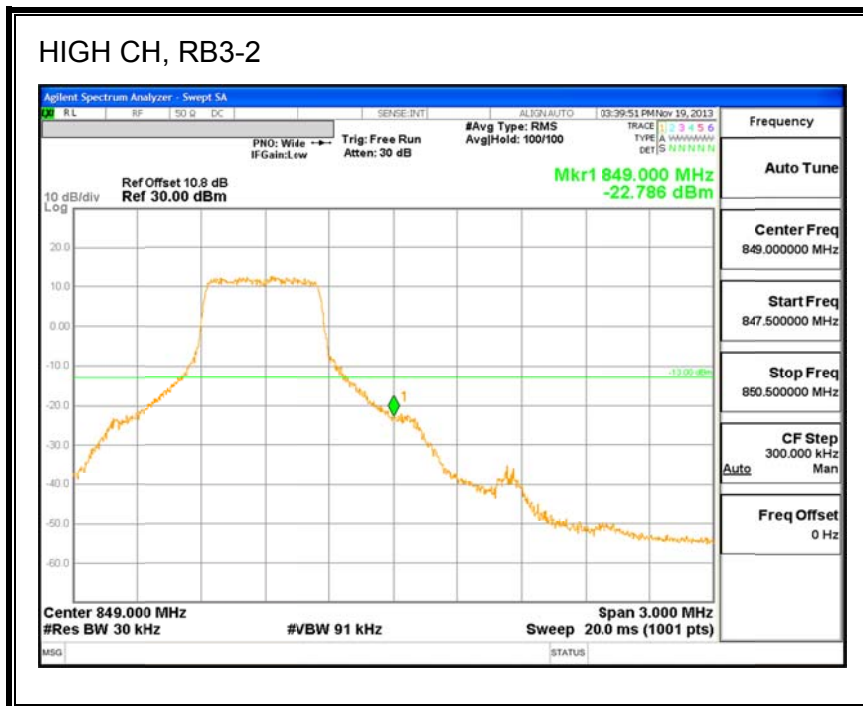
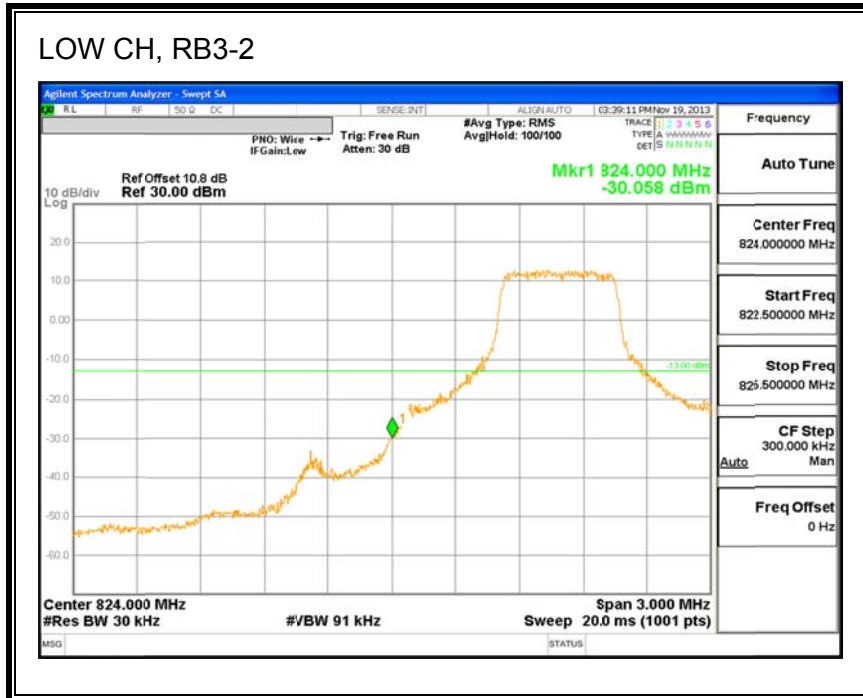
**8.2.2. LTE BAND 5**

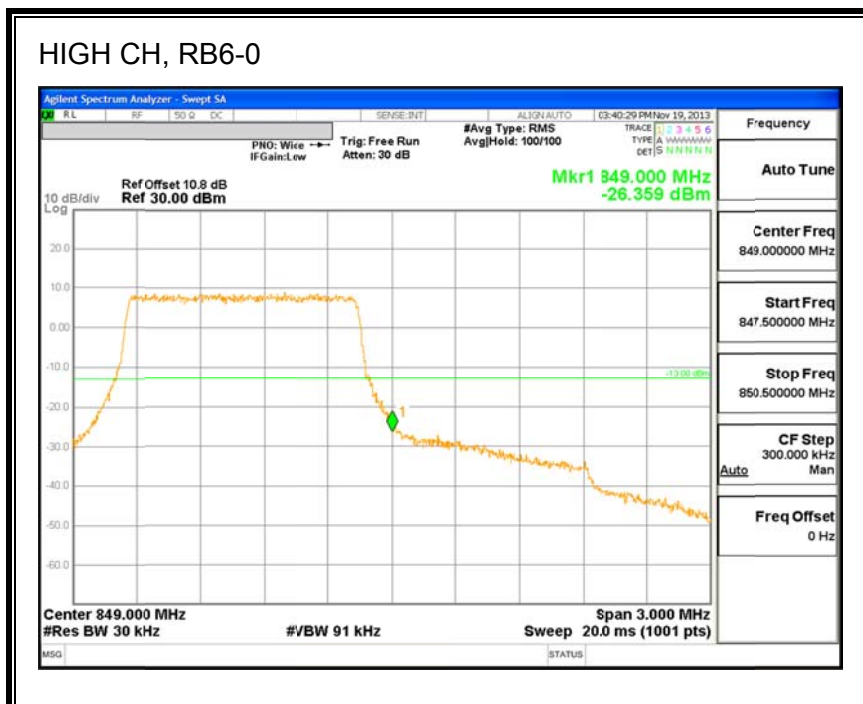
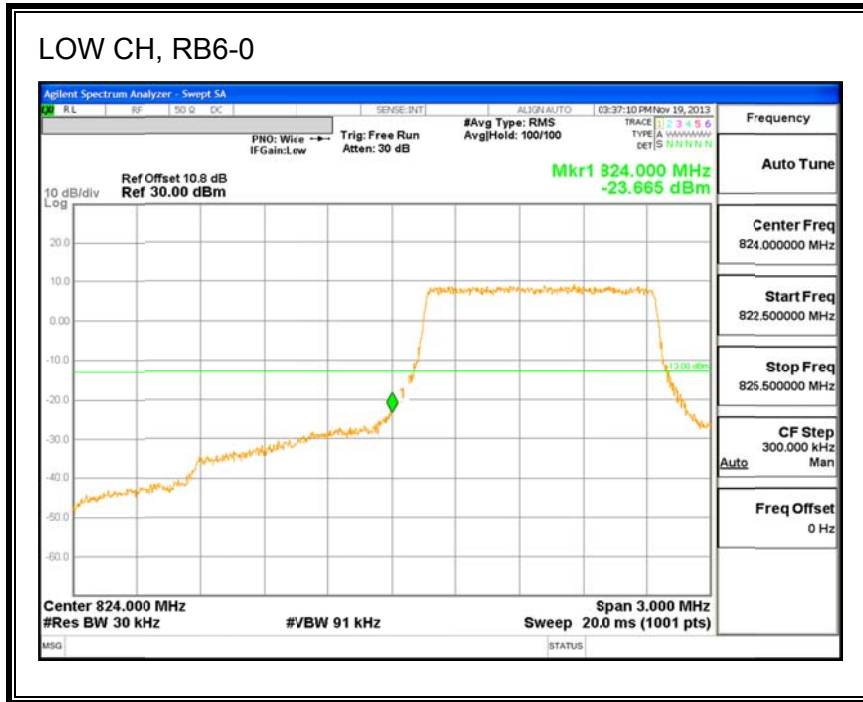
**Band 5 (1.4 MHz BANDWIDTH)**

**LTE QPSK**



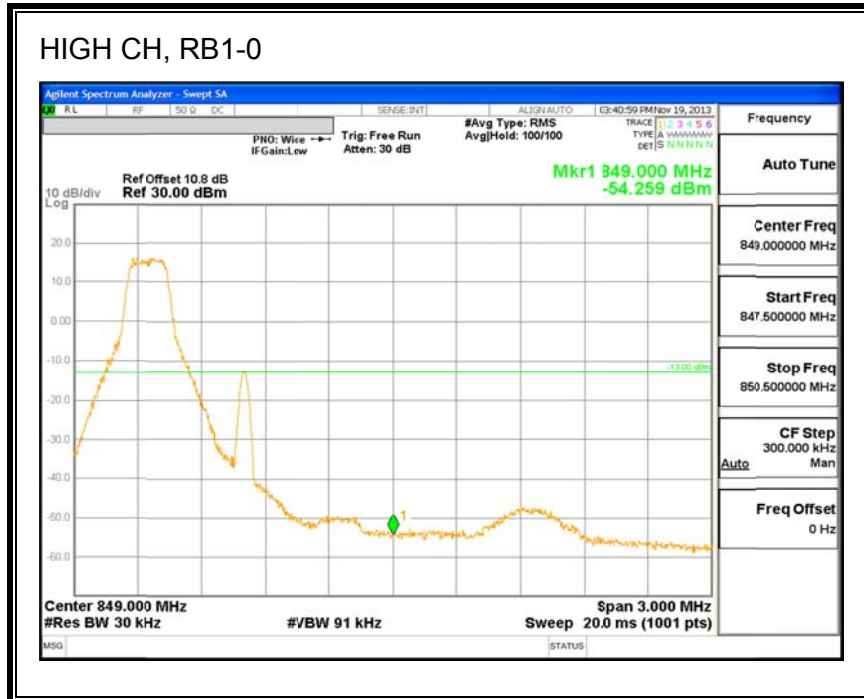
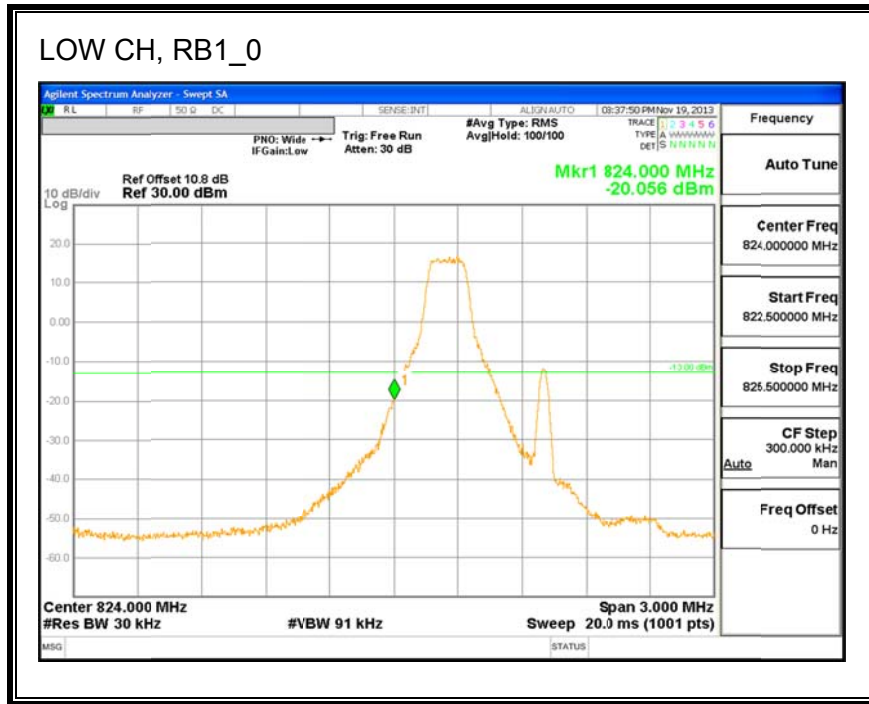


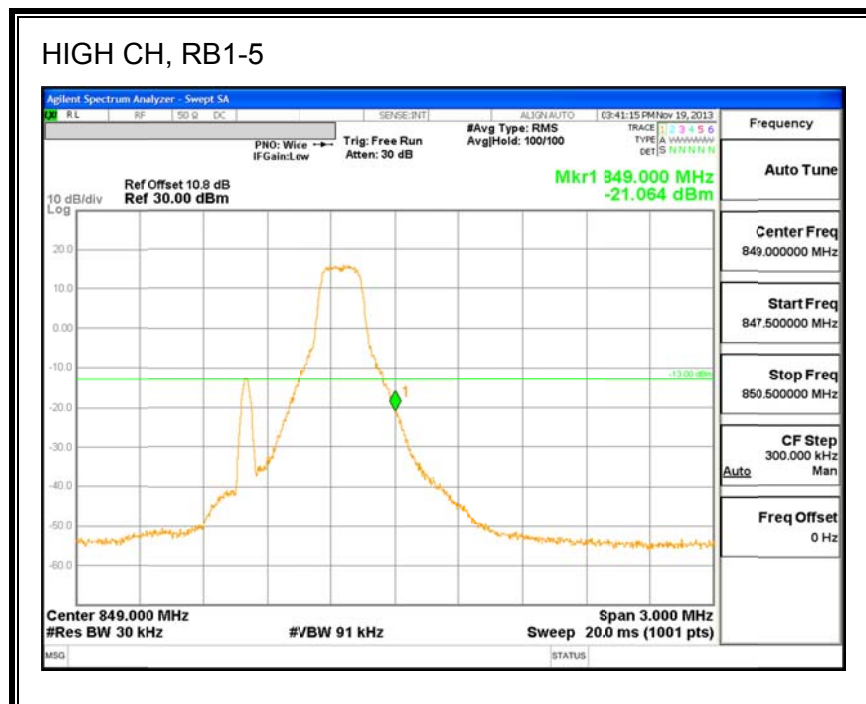
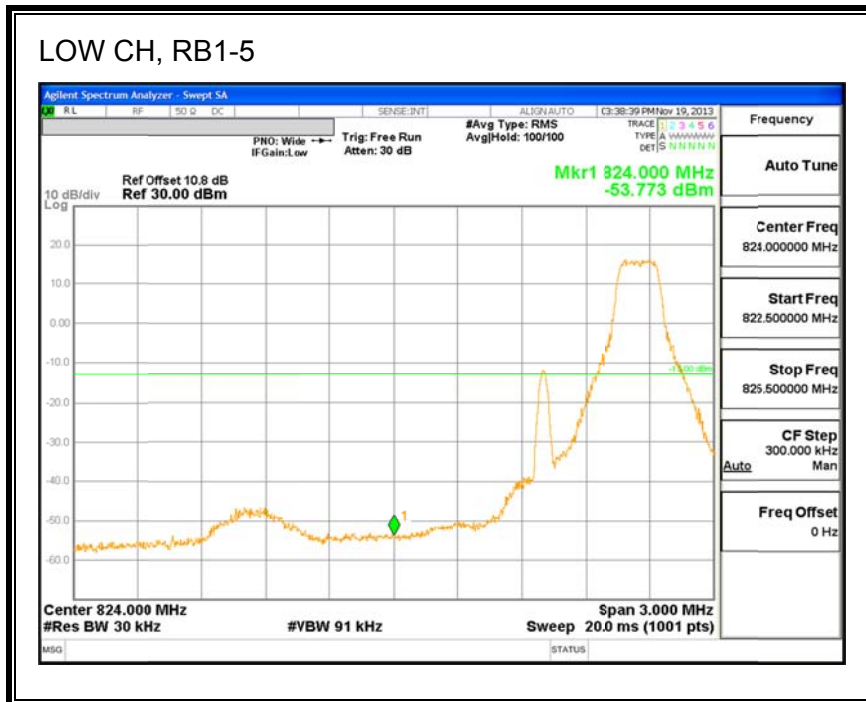




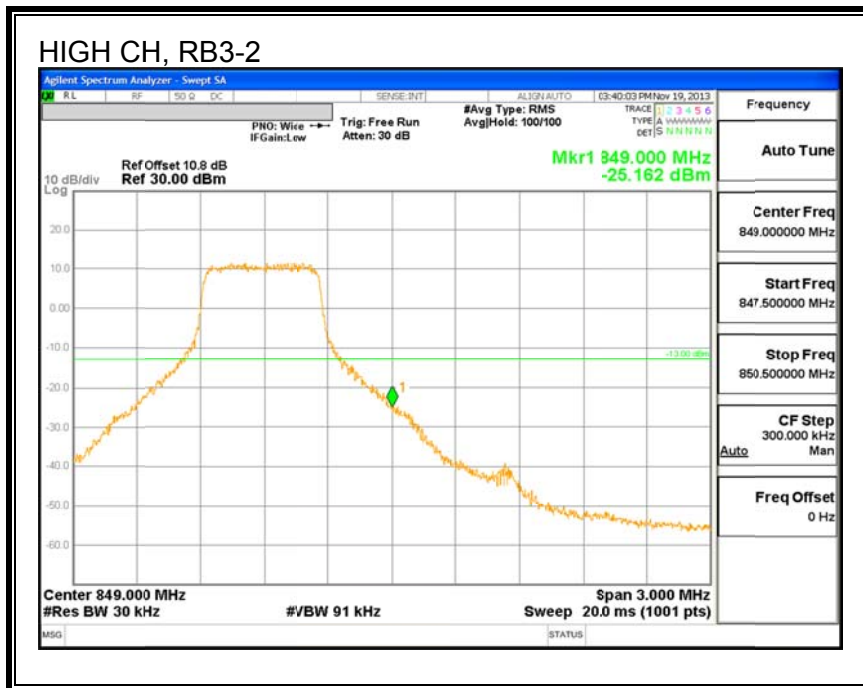
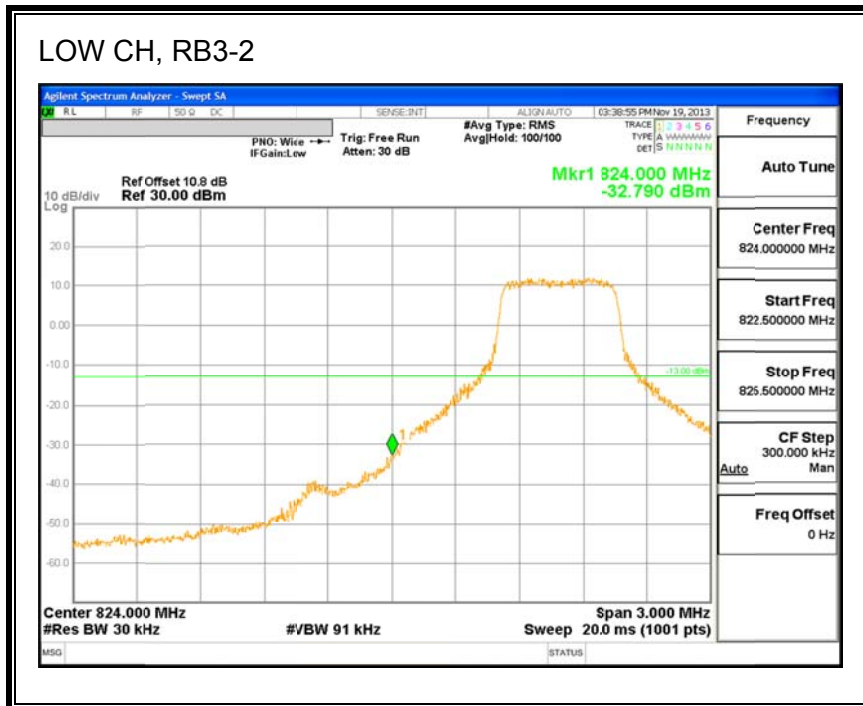
**Band 5 (1.4 MHz BANDWIDTH)**

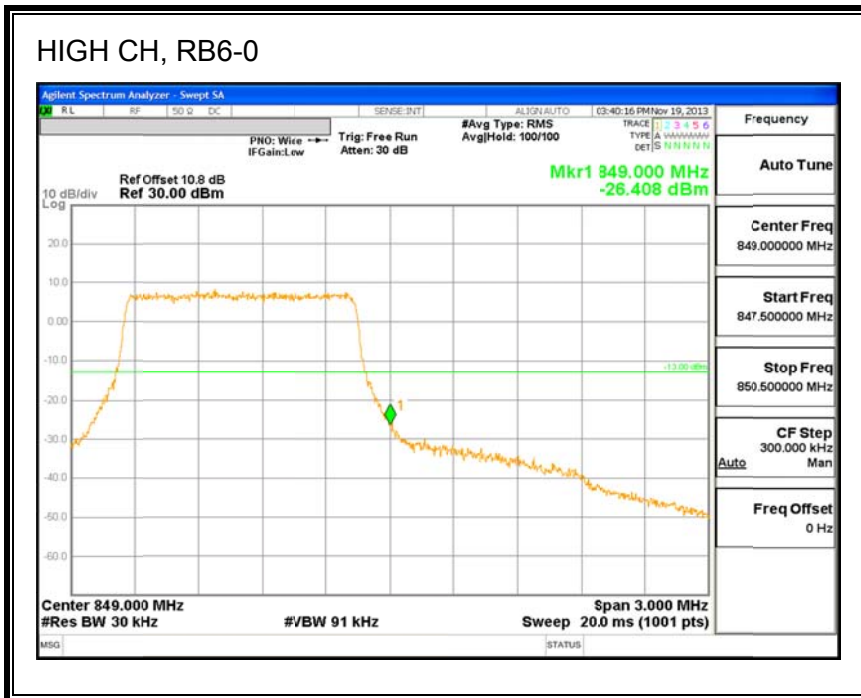
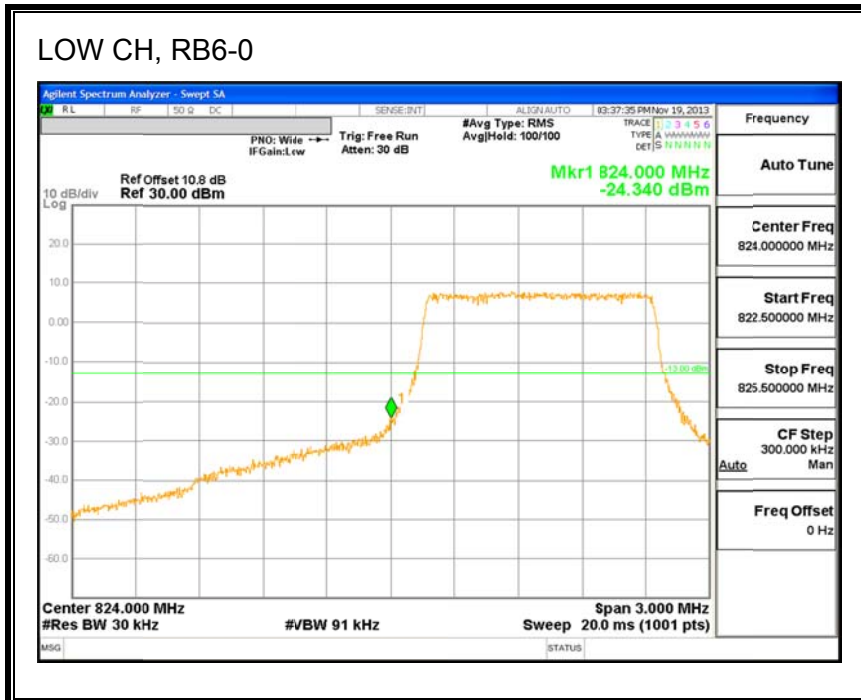
**LTE 16QAM**





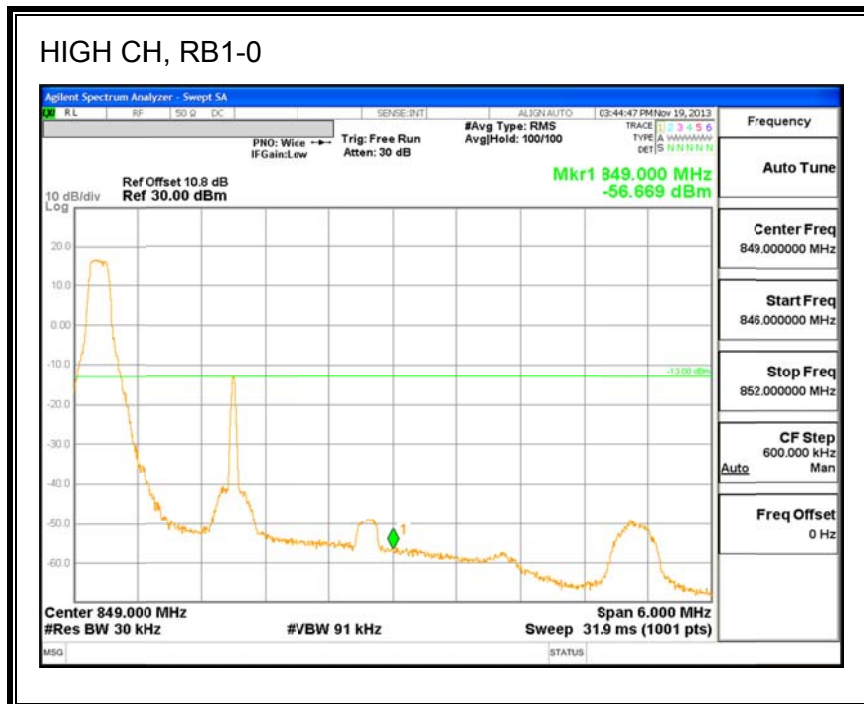
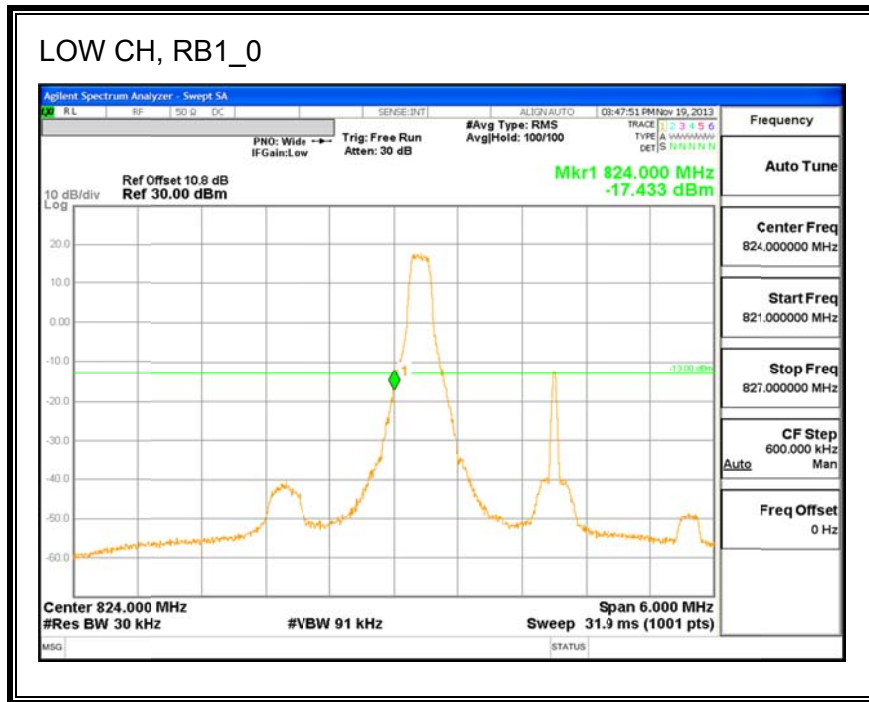


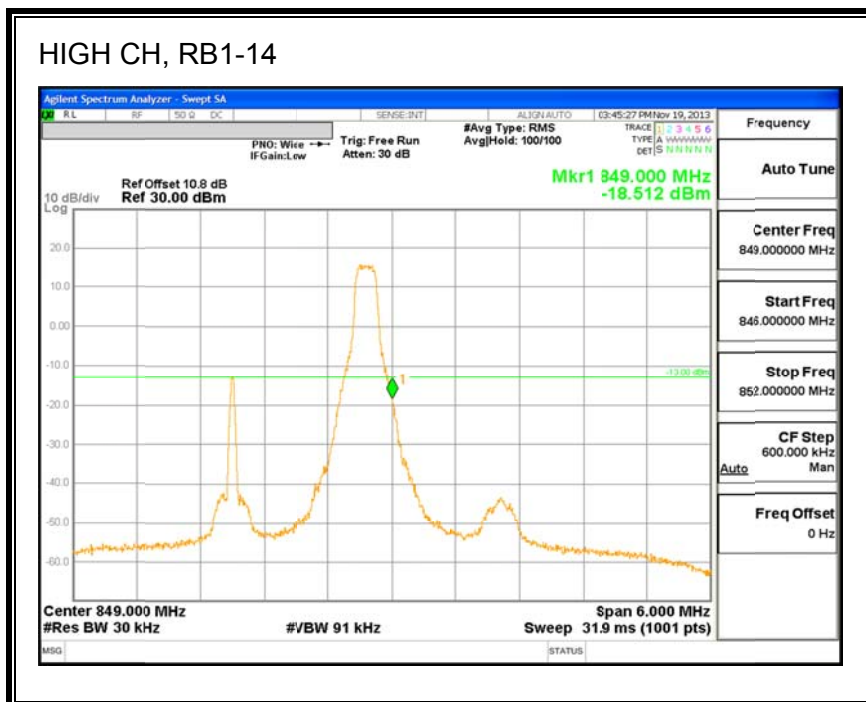
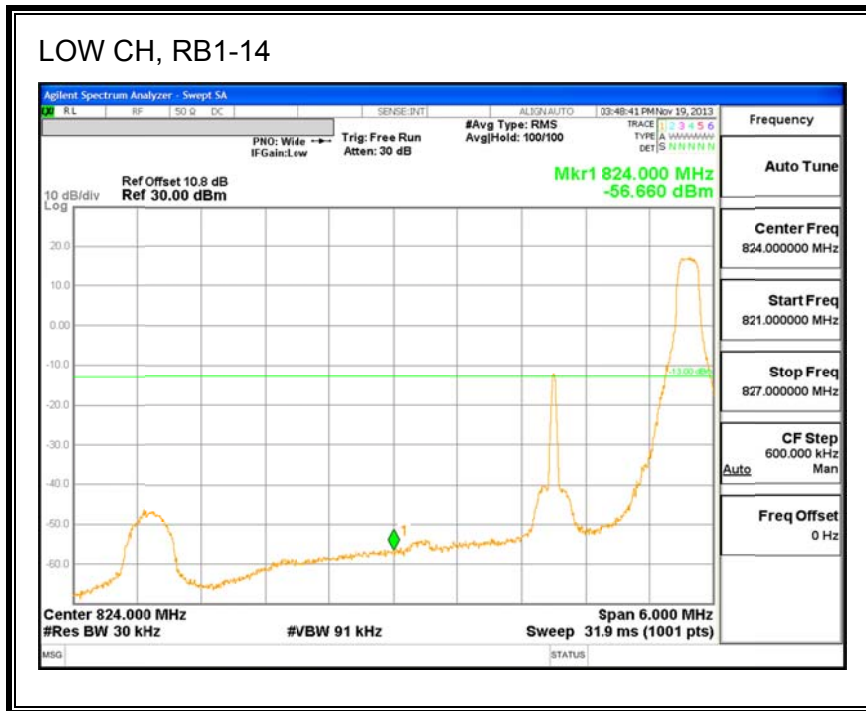


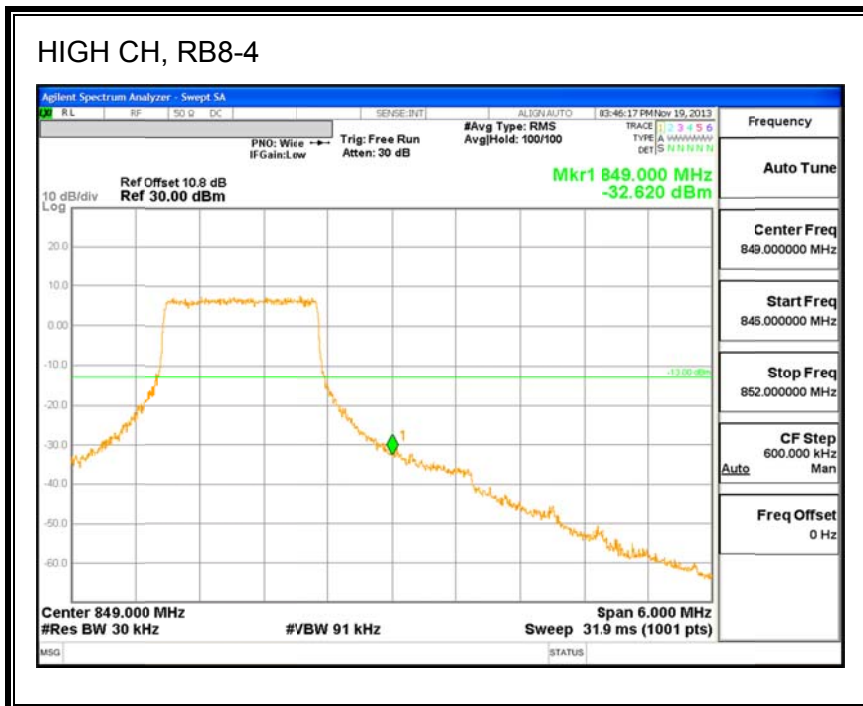
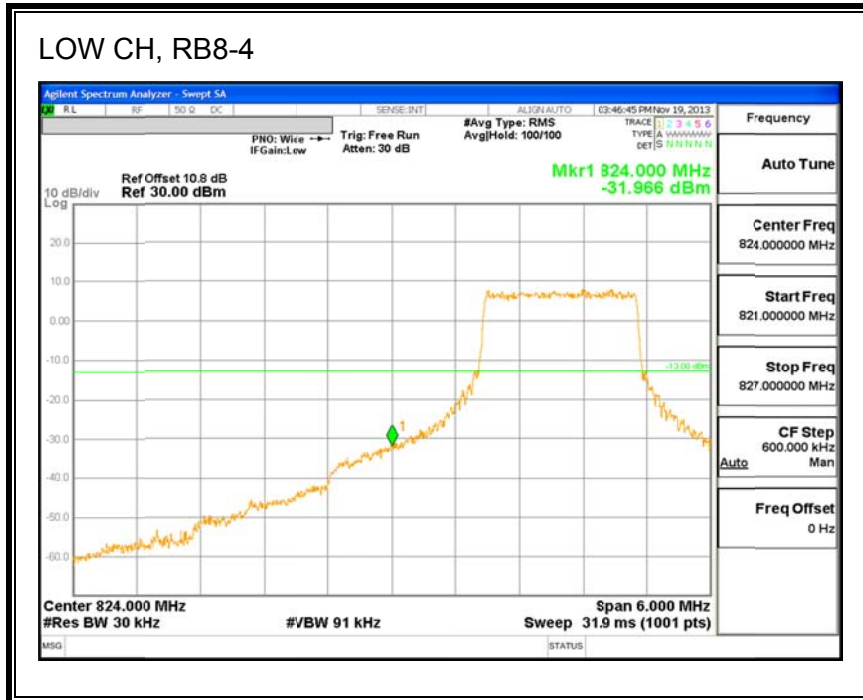


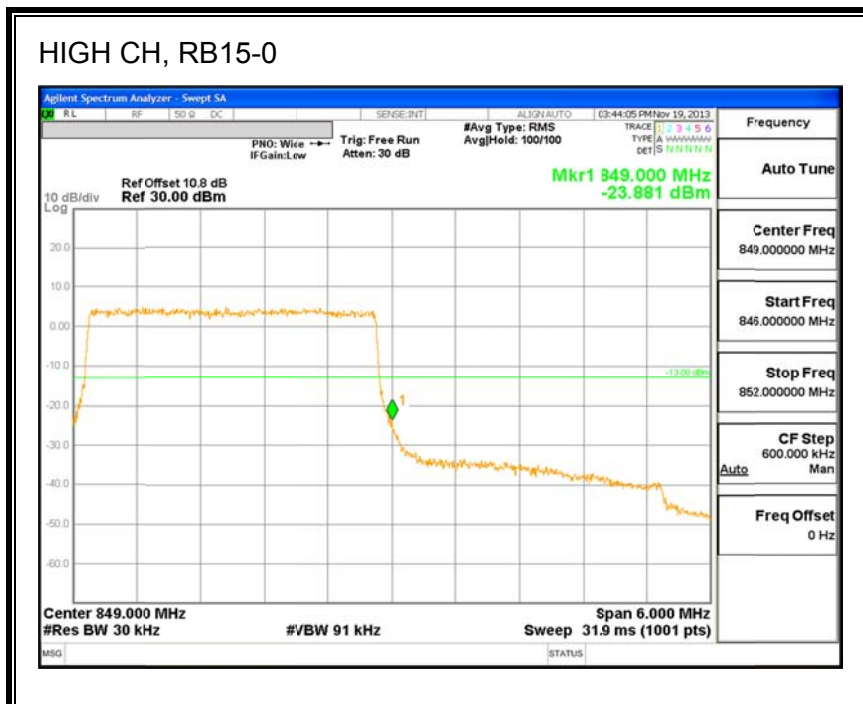
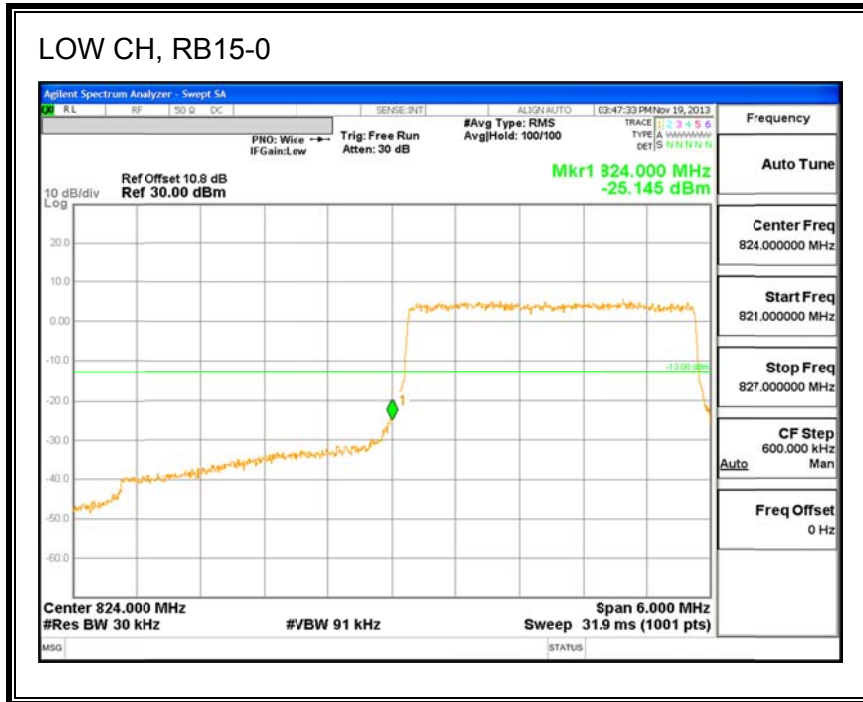
**Band 5 (3MHz BANDWIDTH)**

**LTE QPSK**



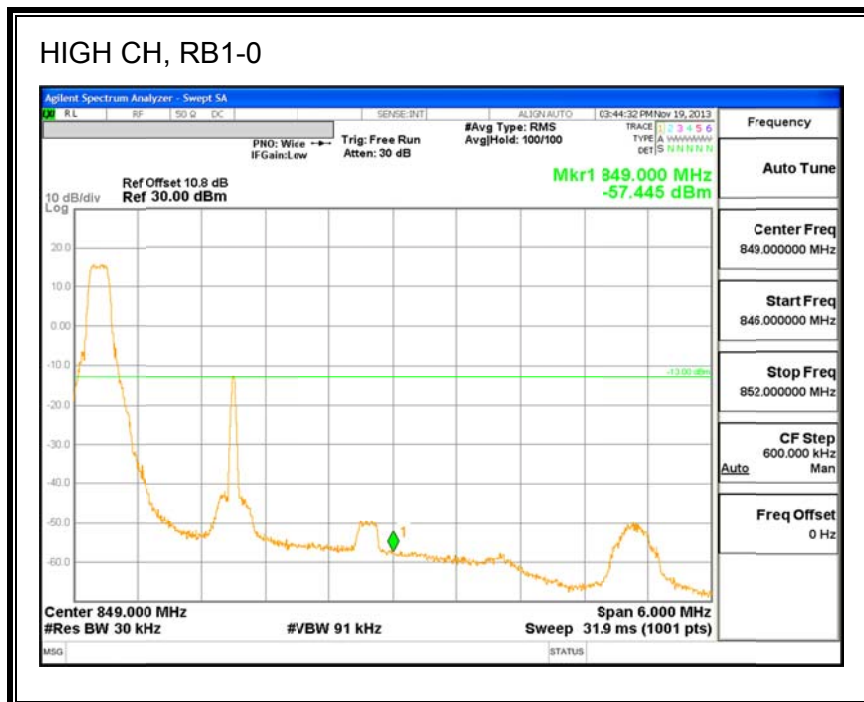
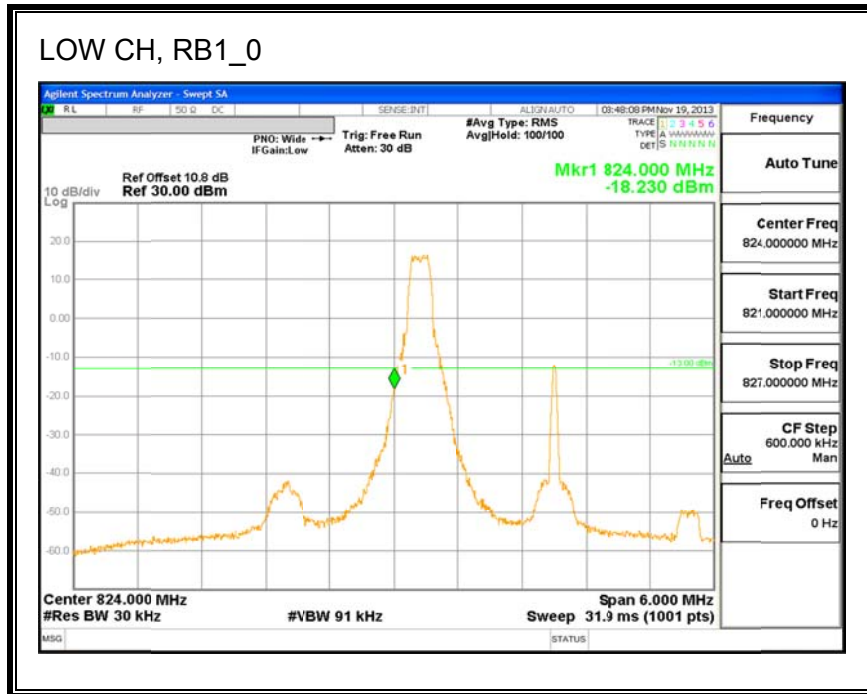




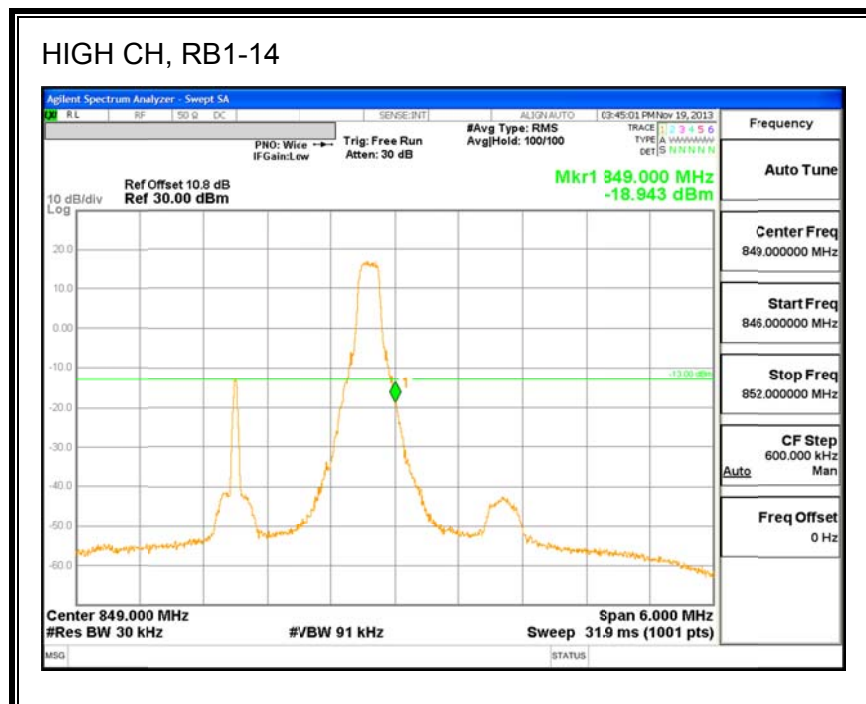
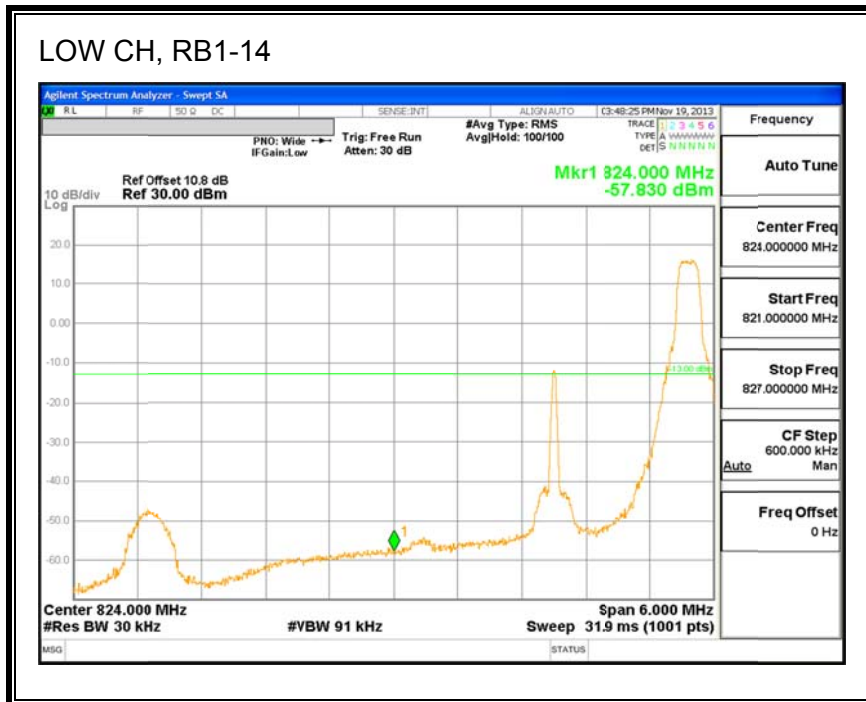


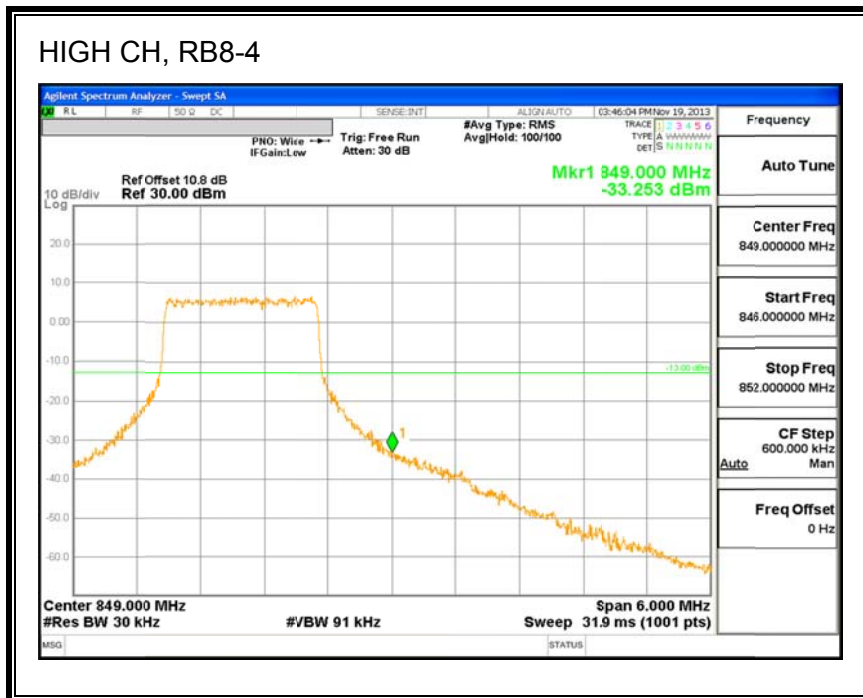
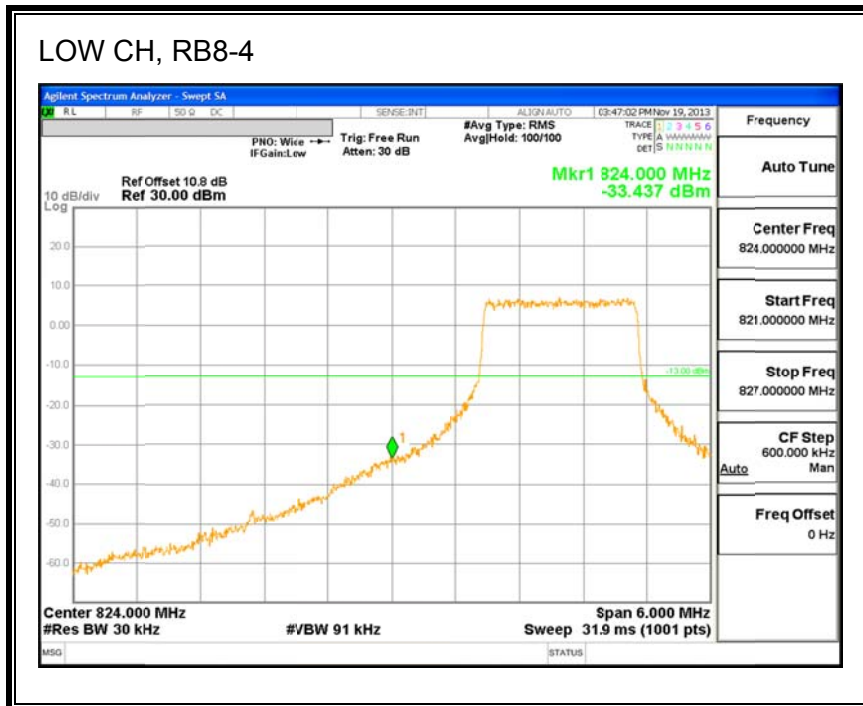
**Band 5 (3MHz BANDWIDTH)**

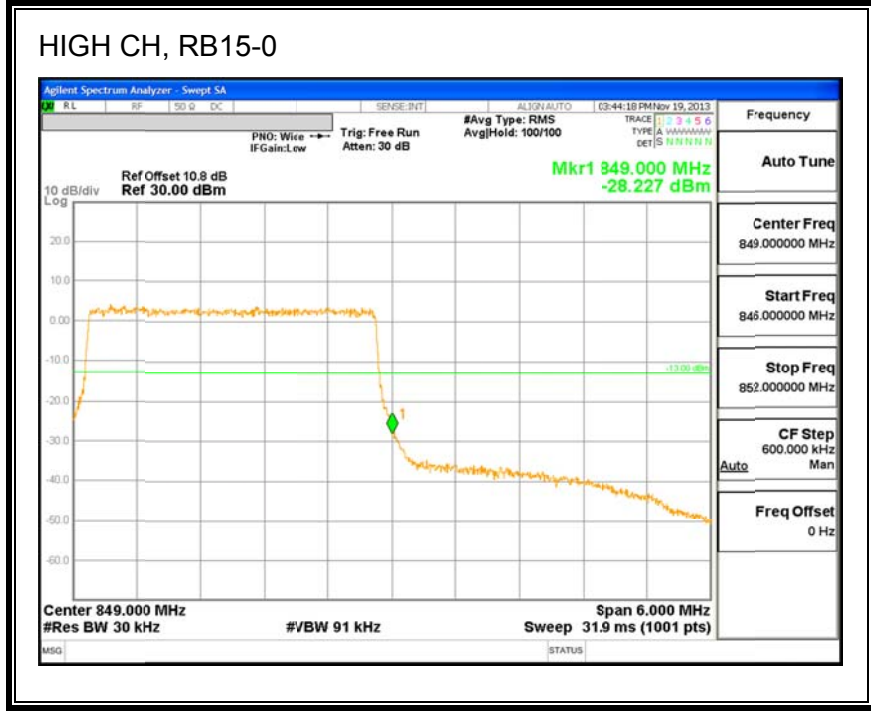
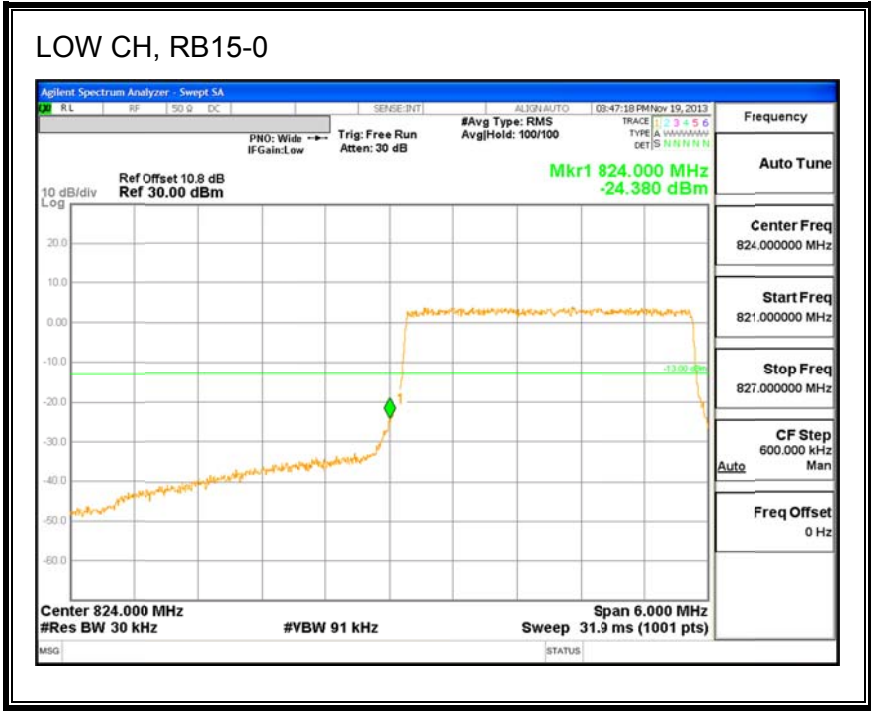
**LTE 16QAM**





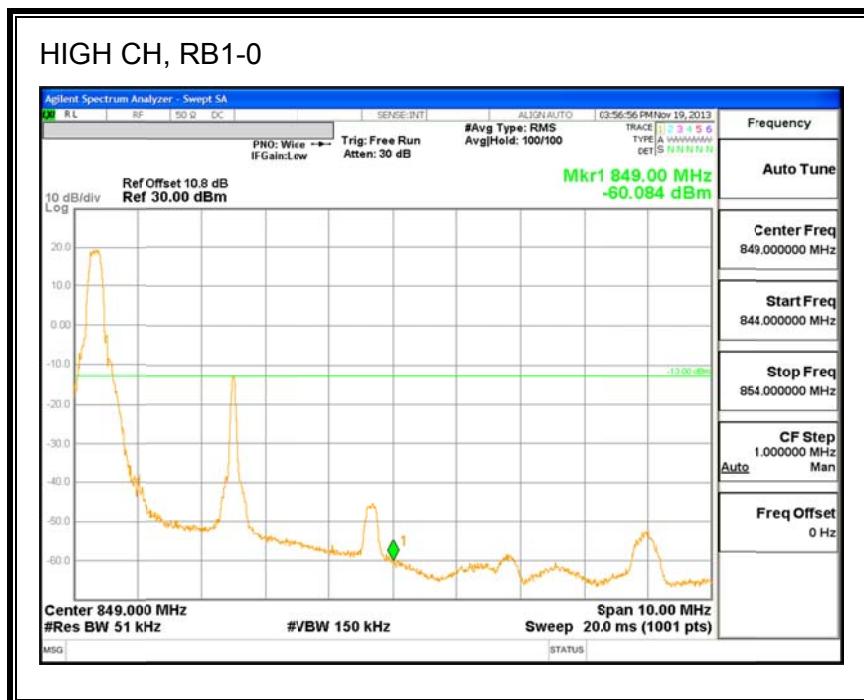
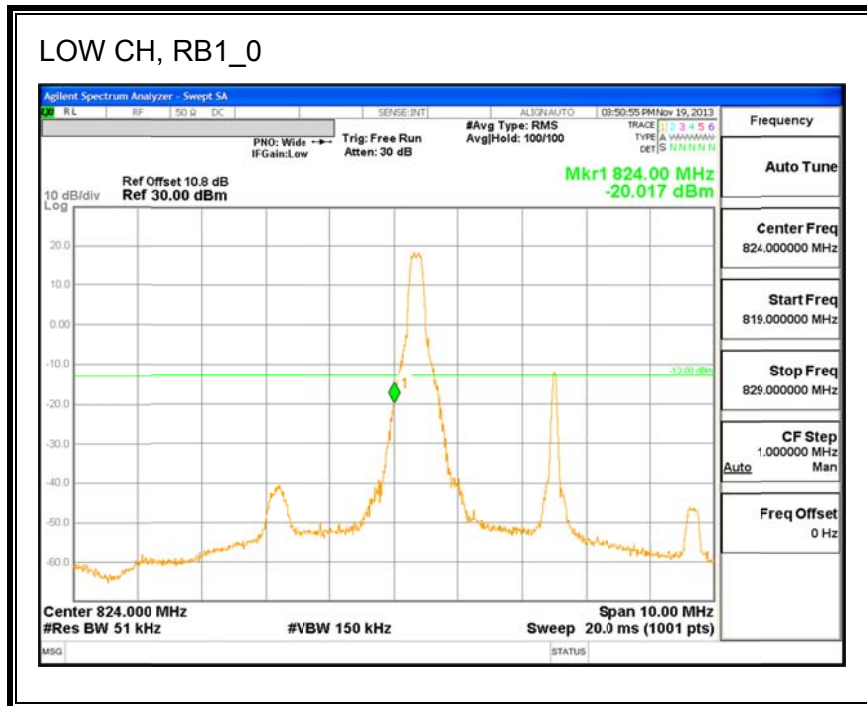


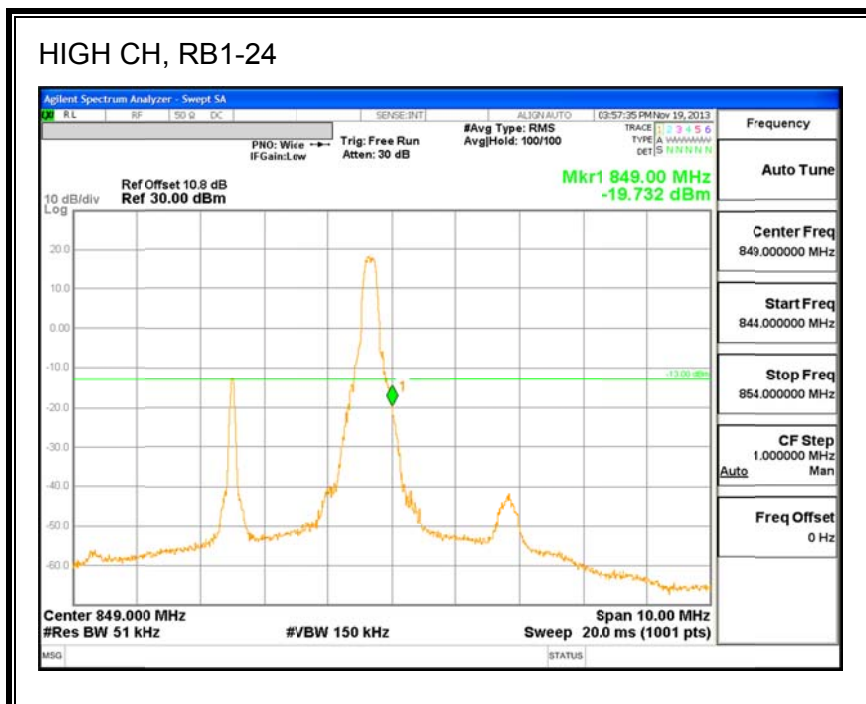
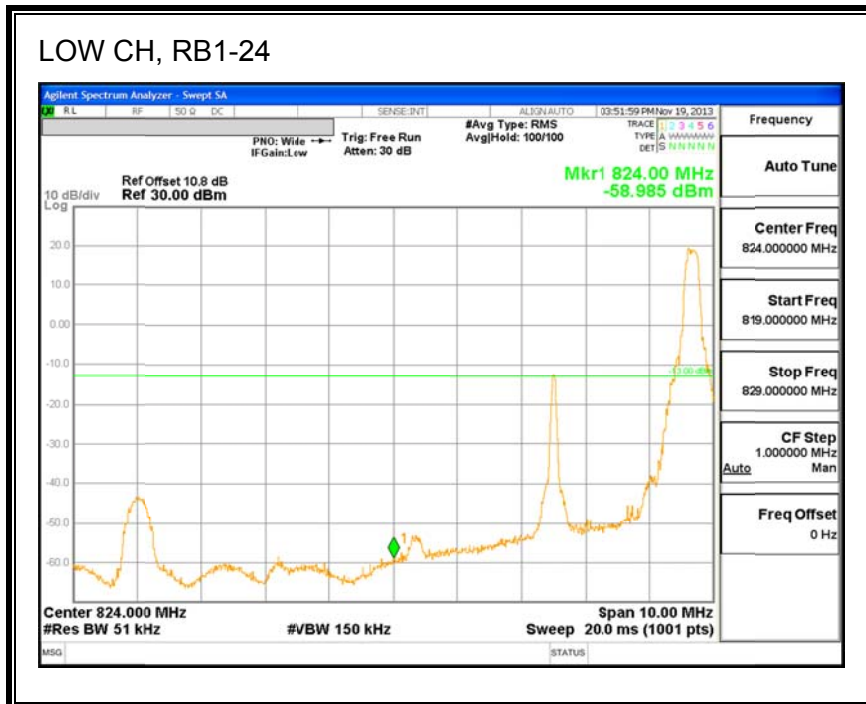


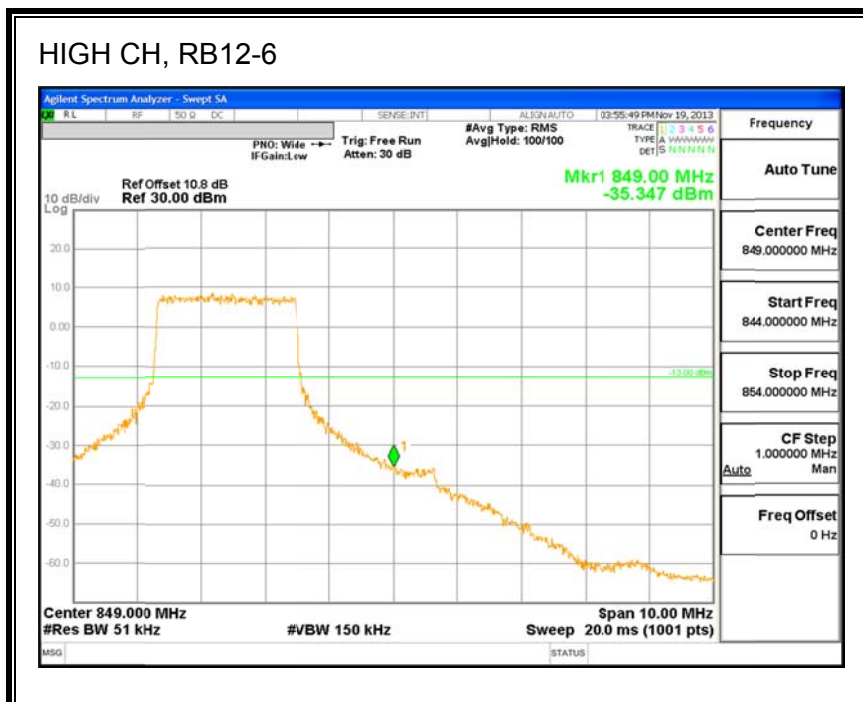
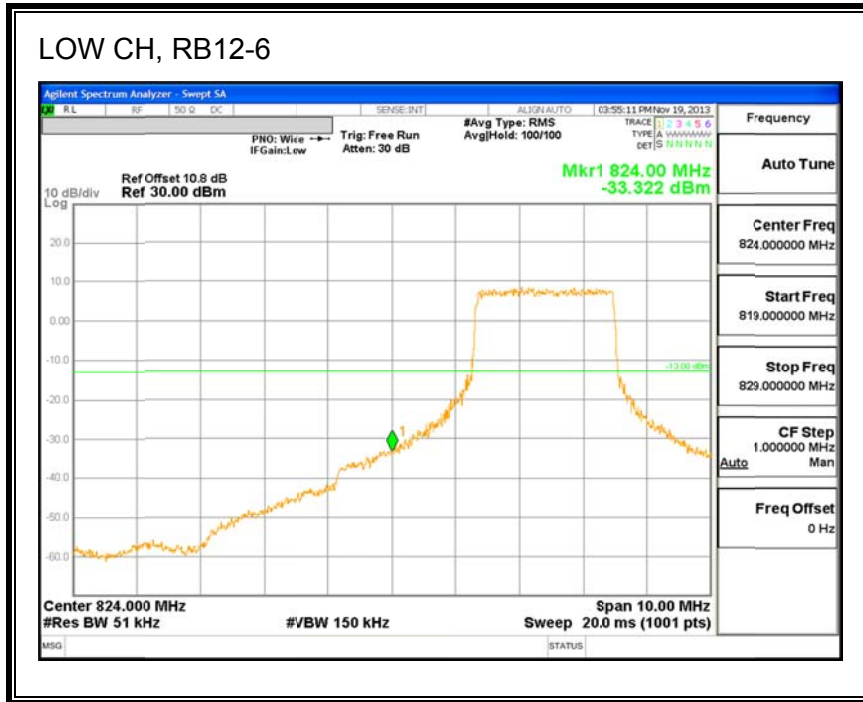


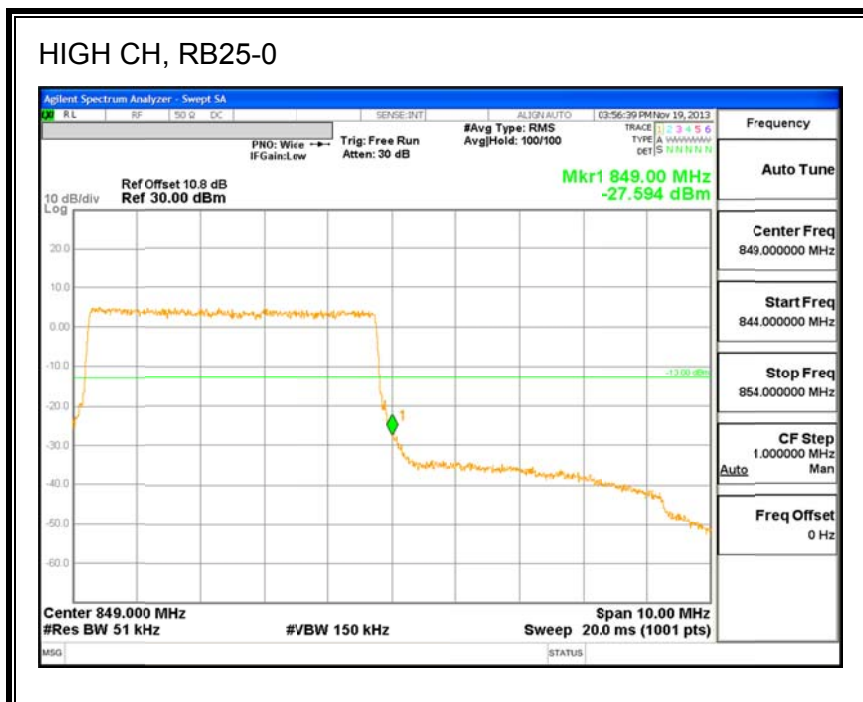
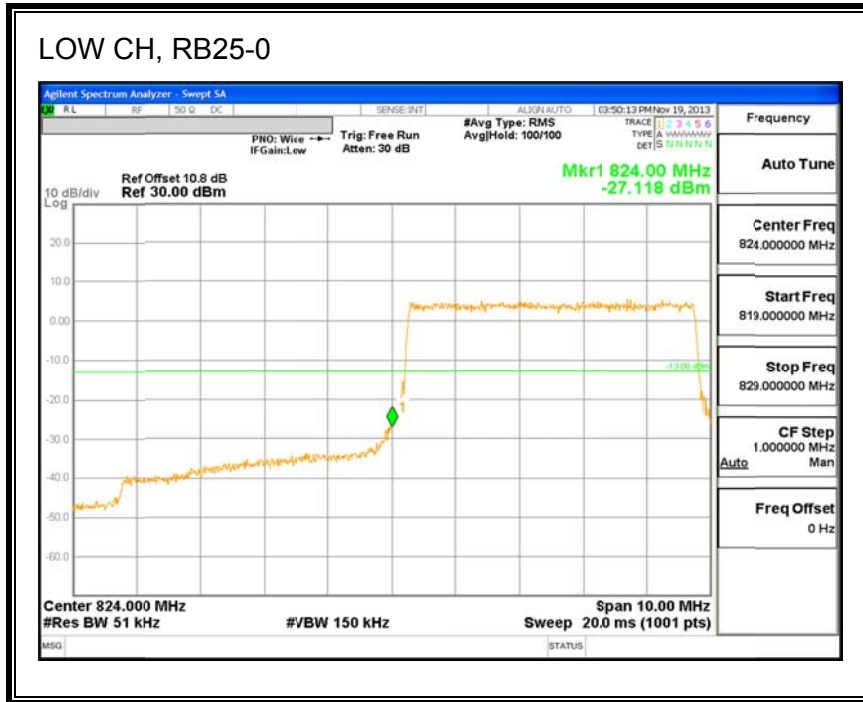
**Band 5 (5MHz BANDWIDTH)**

**LTE QPSK**





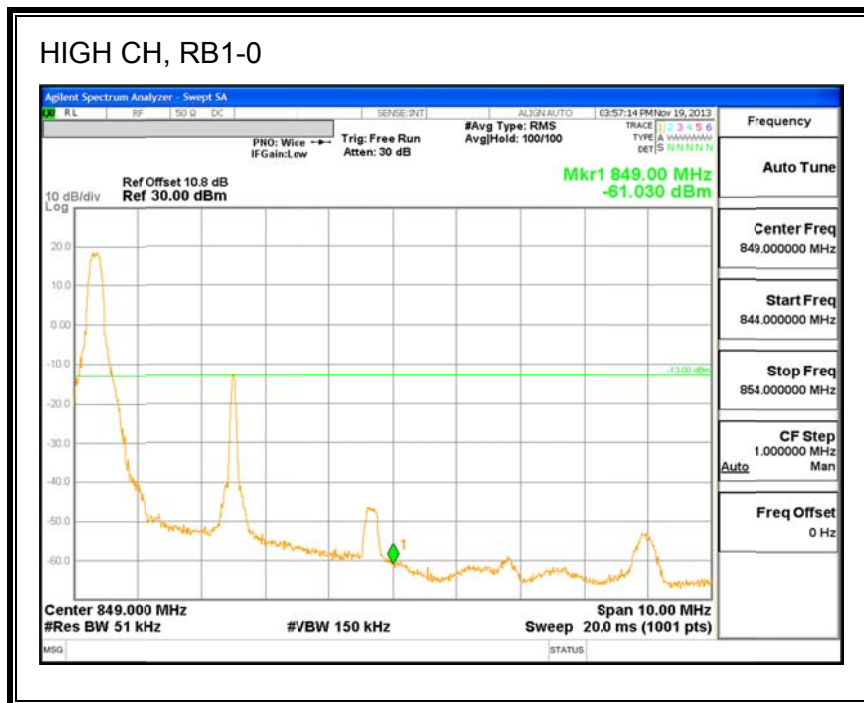
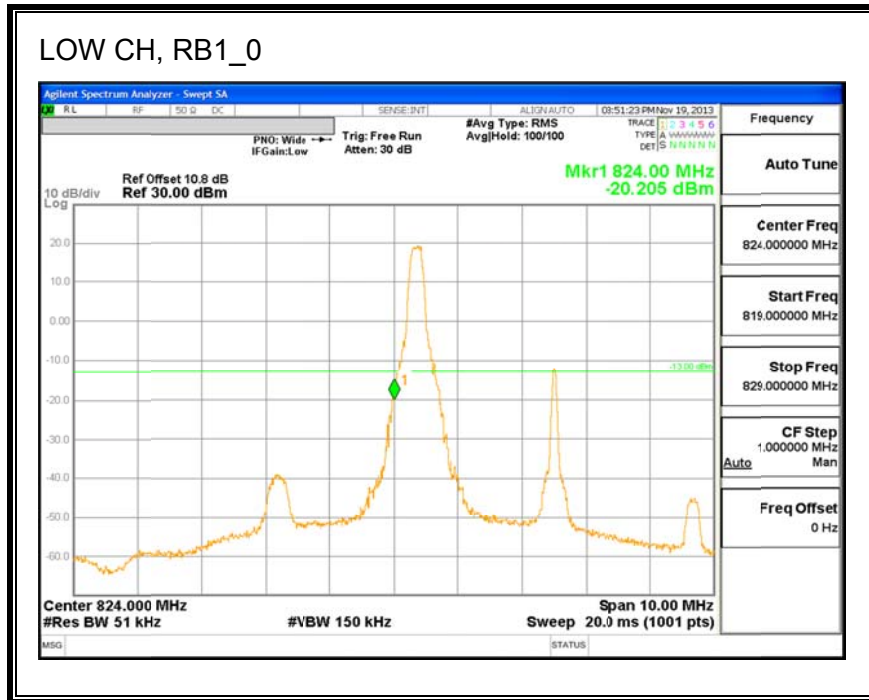


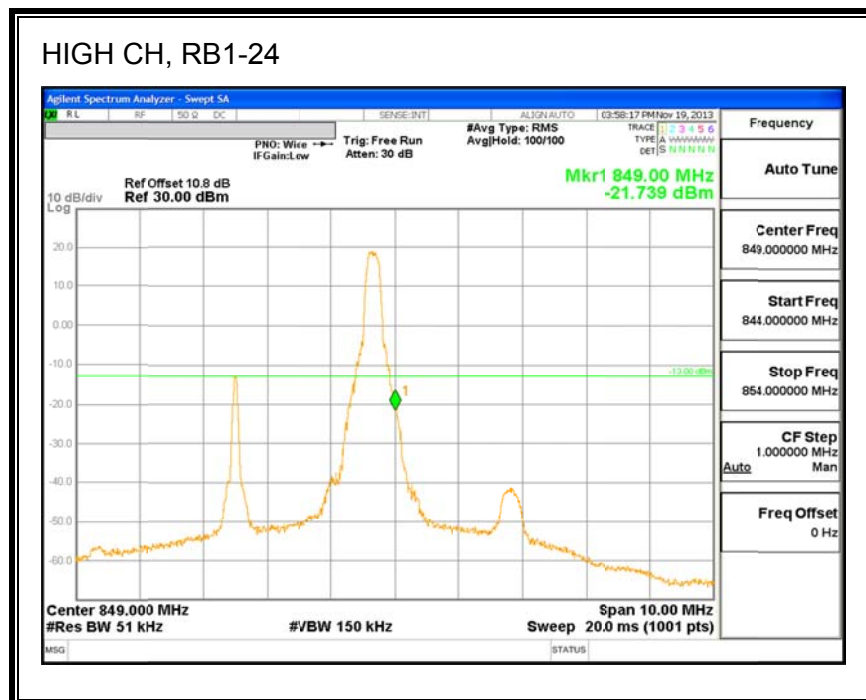
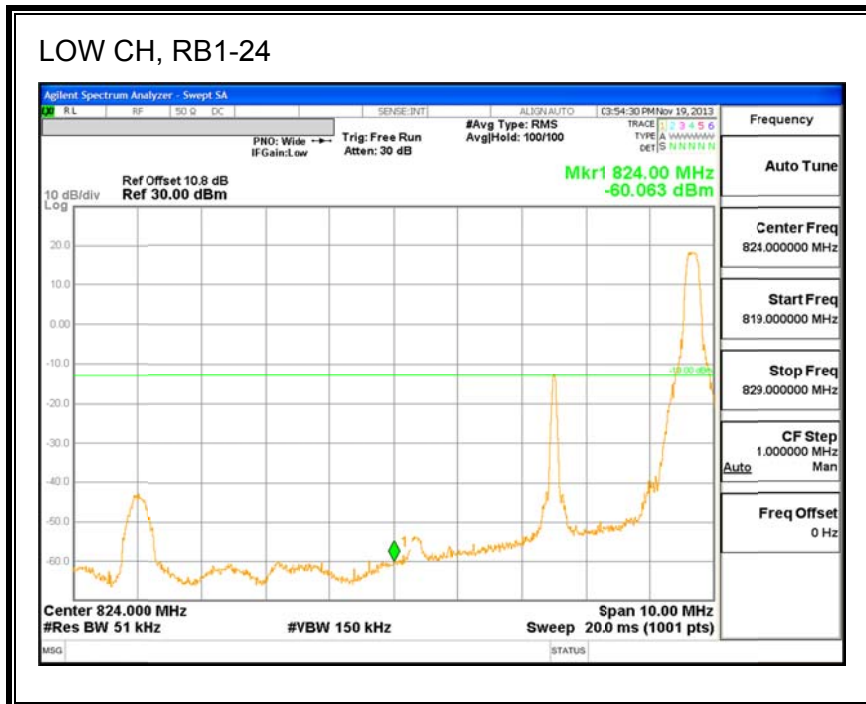


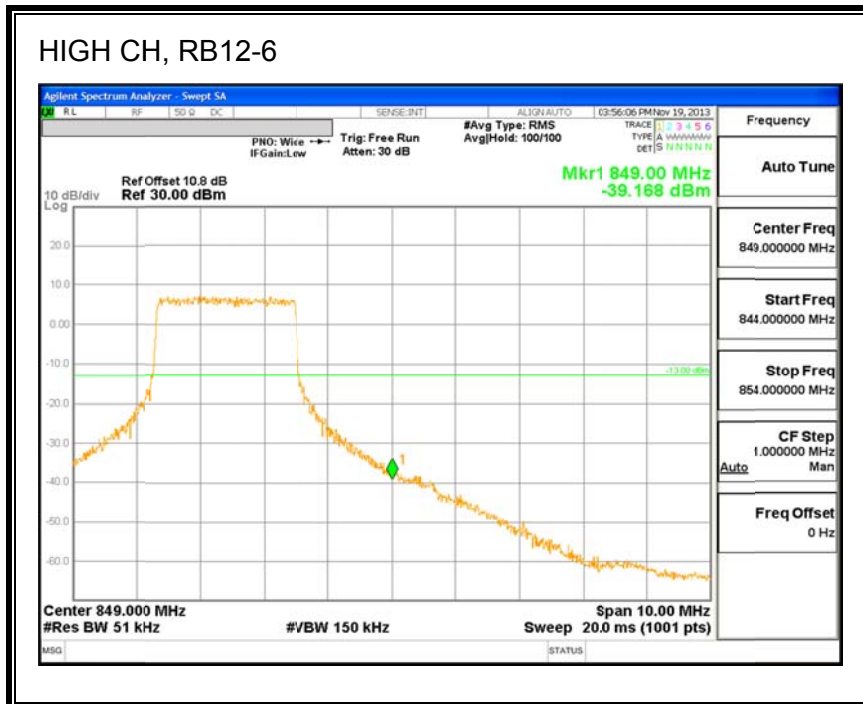
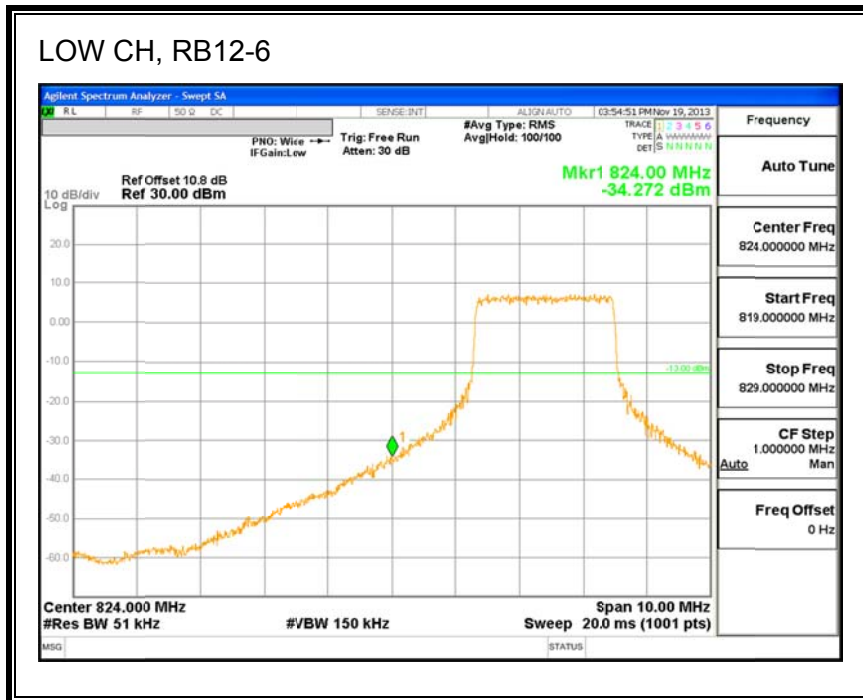


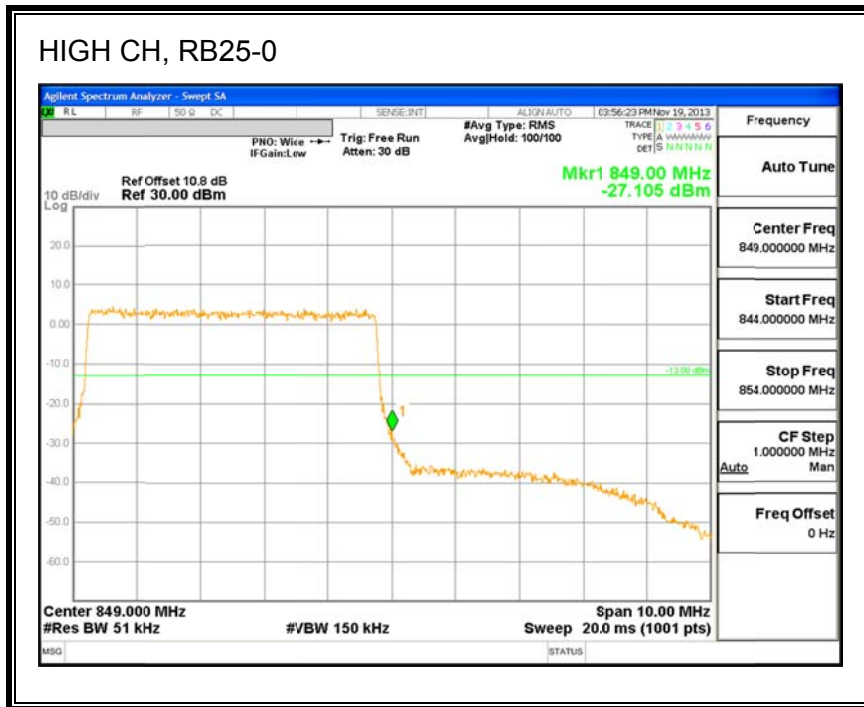
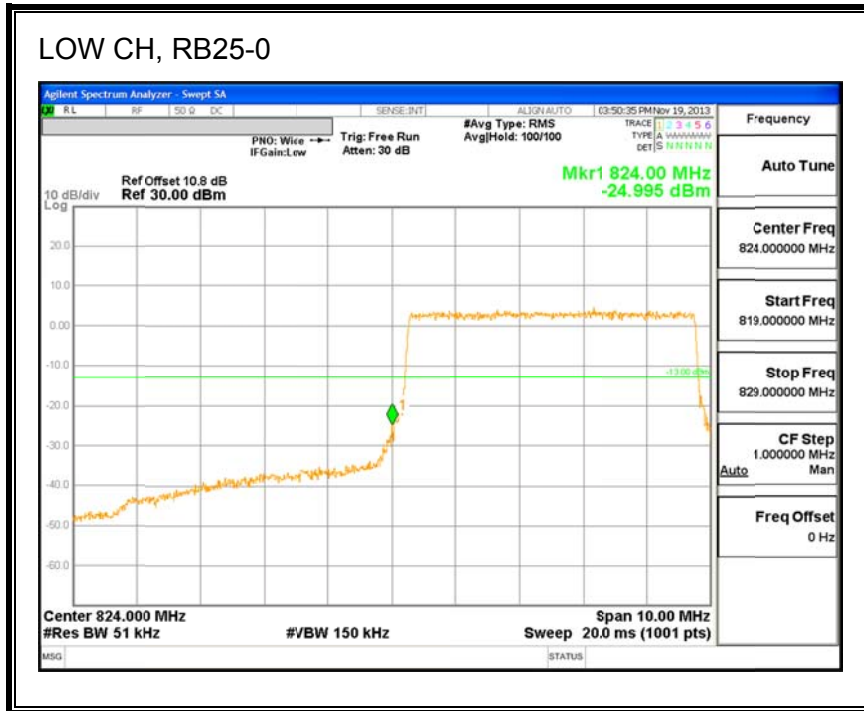
**Band 5 (5MHz BANDWIDTH)**

**LTE 16QAM**



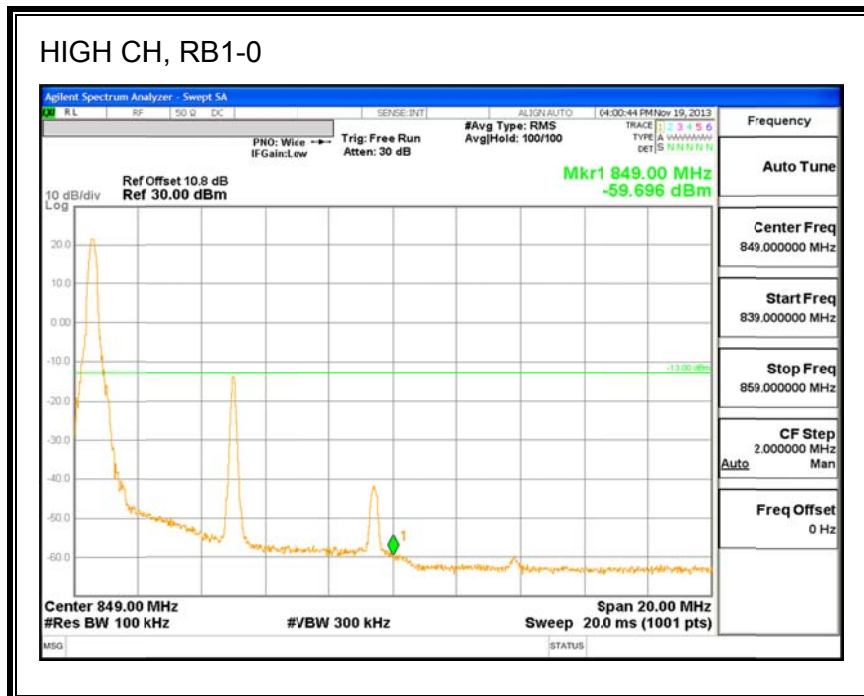
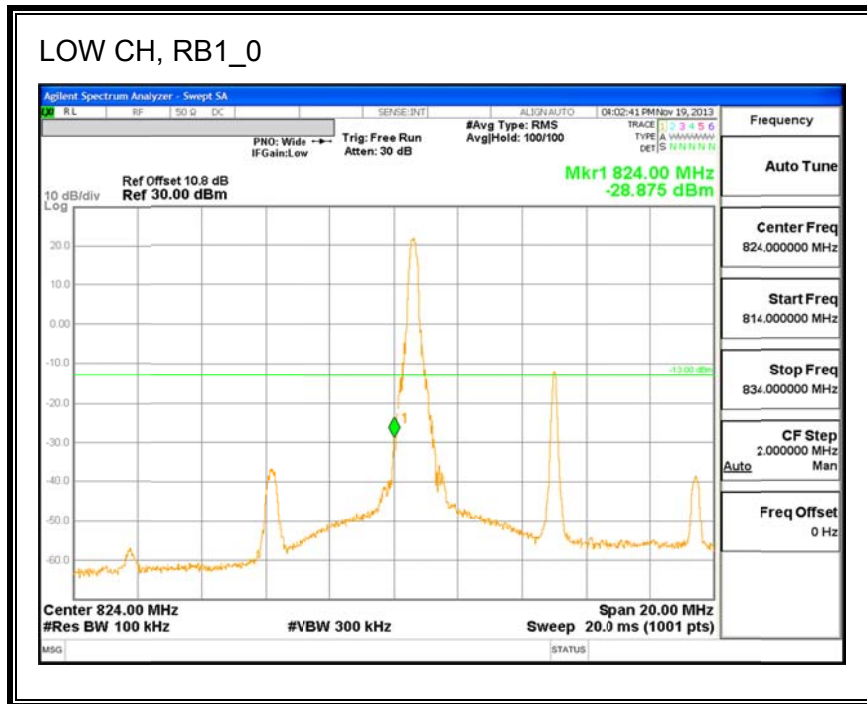


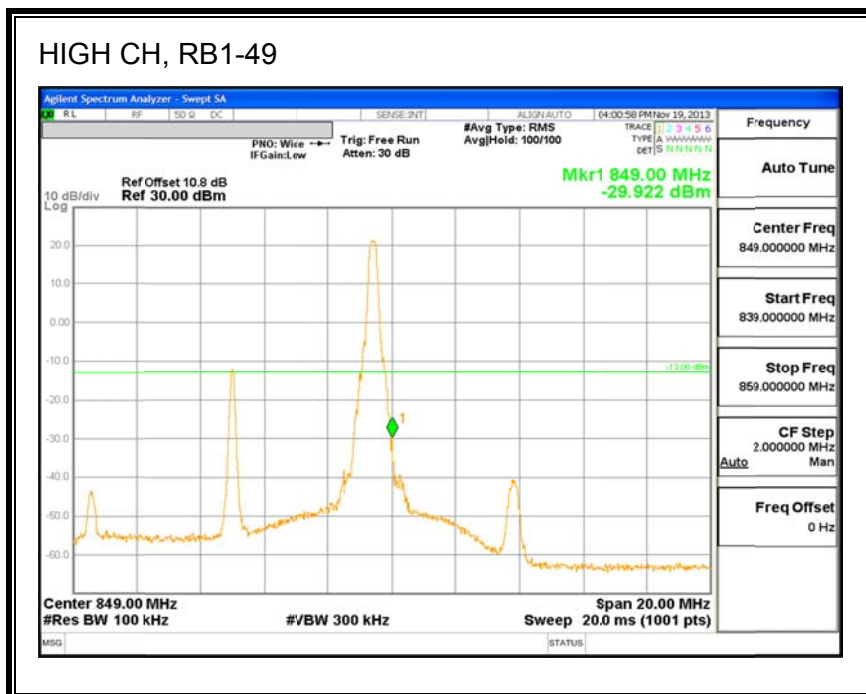
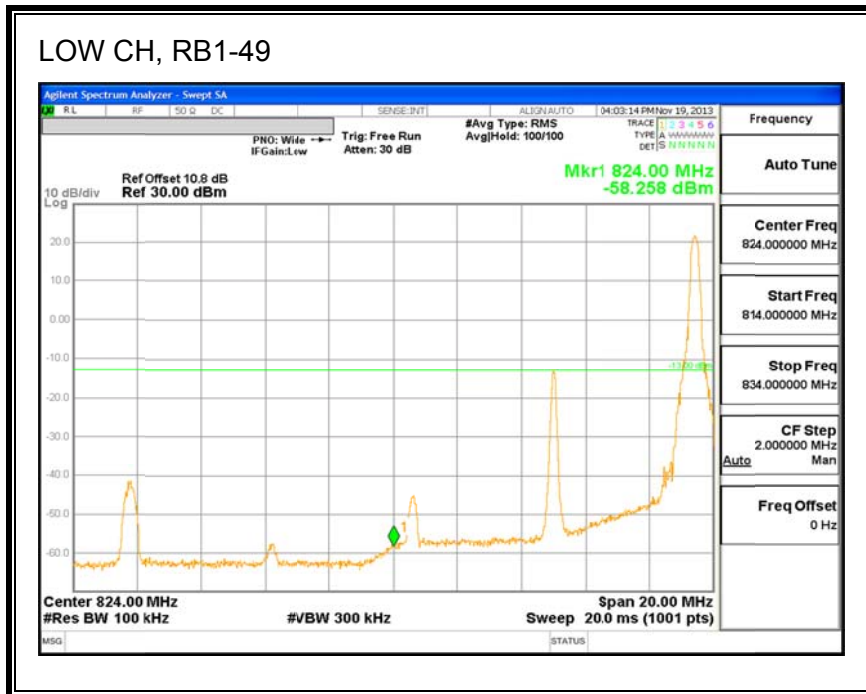


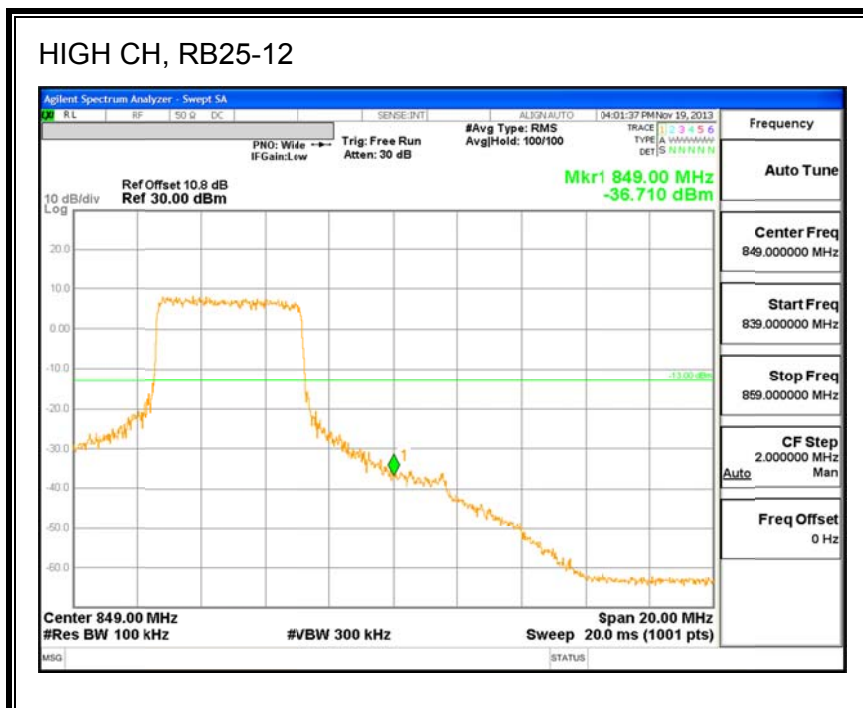
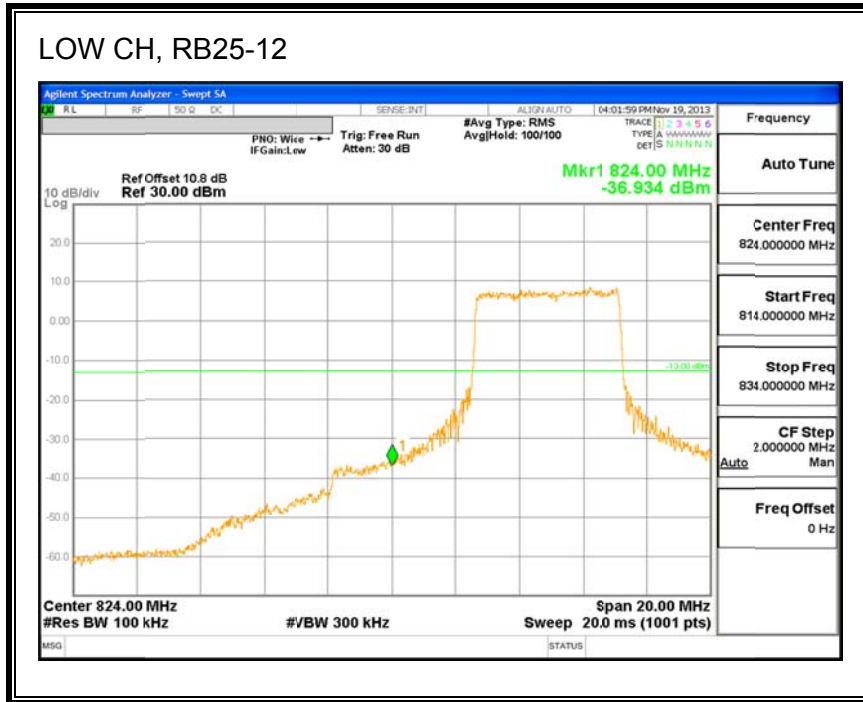


**Band 5 (10MHz BANDWIDTH)**

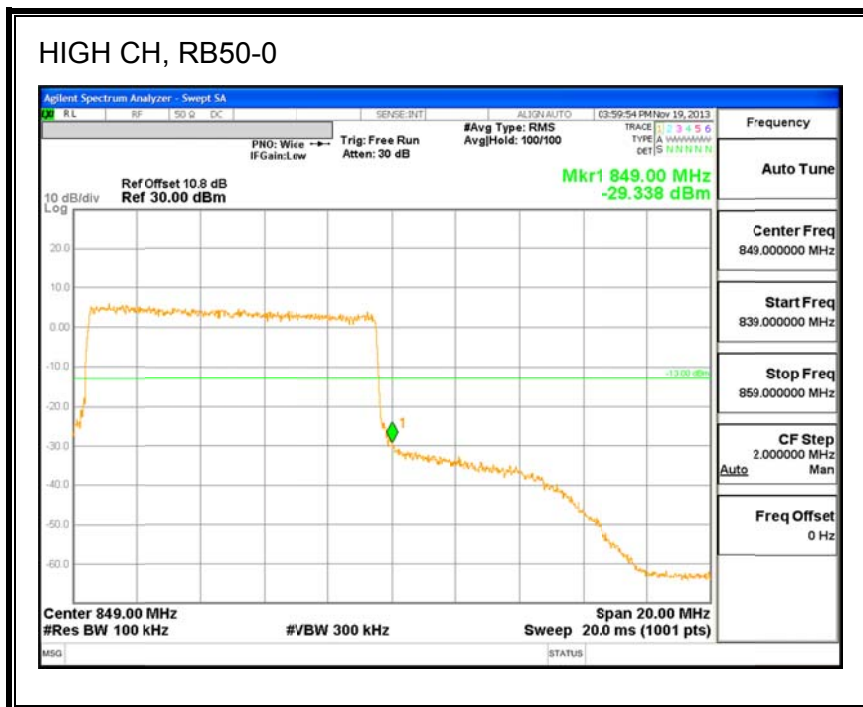
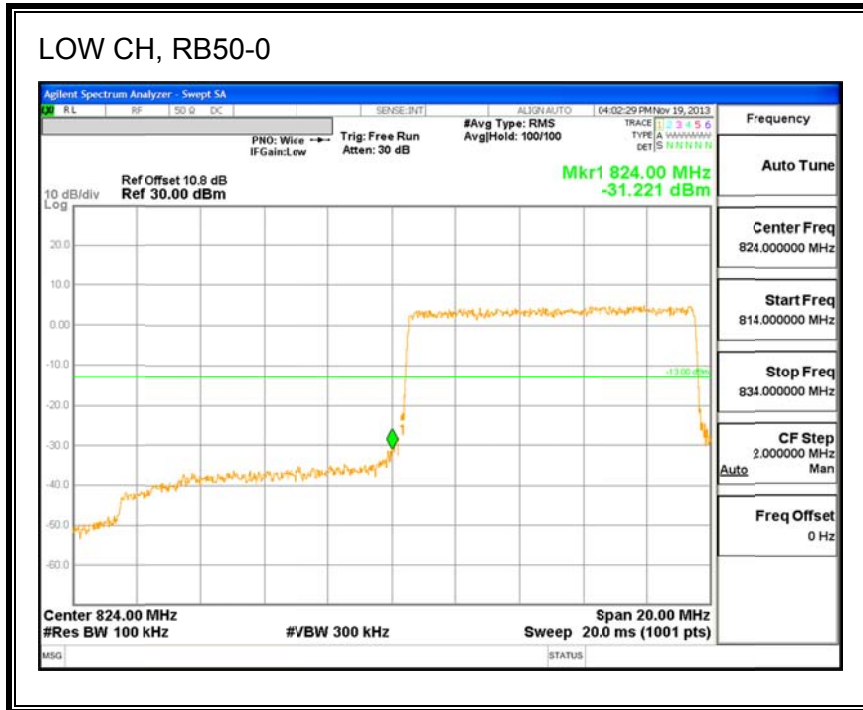
**LTE QPSK**





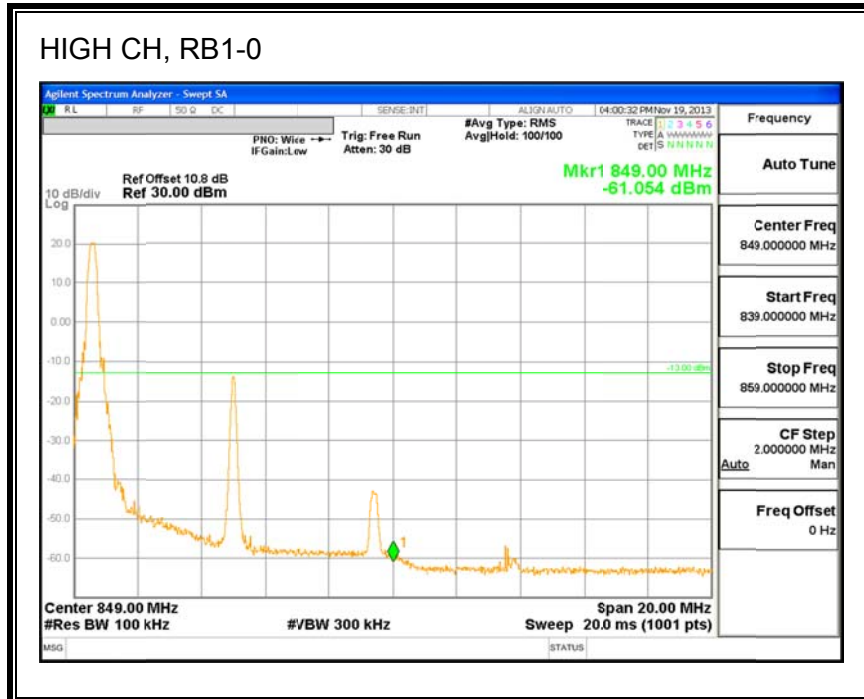
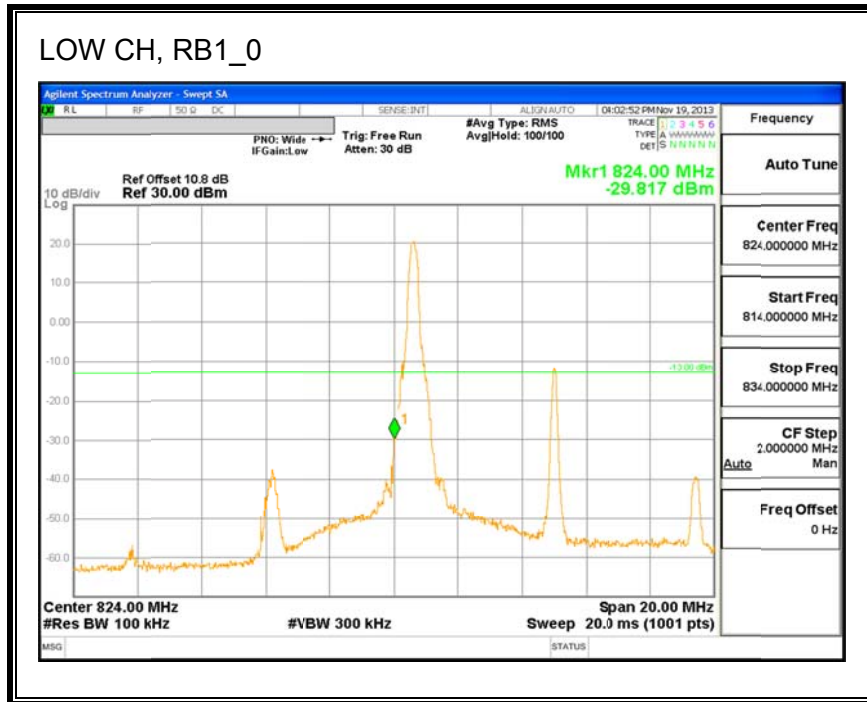


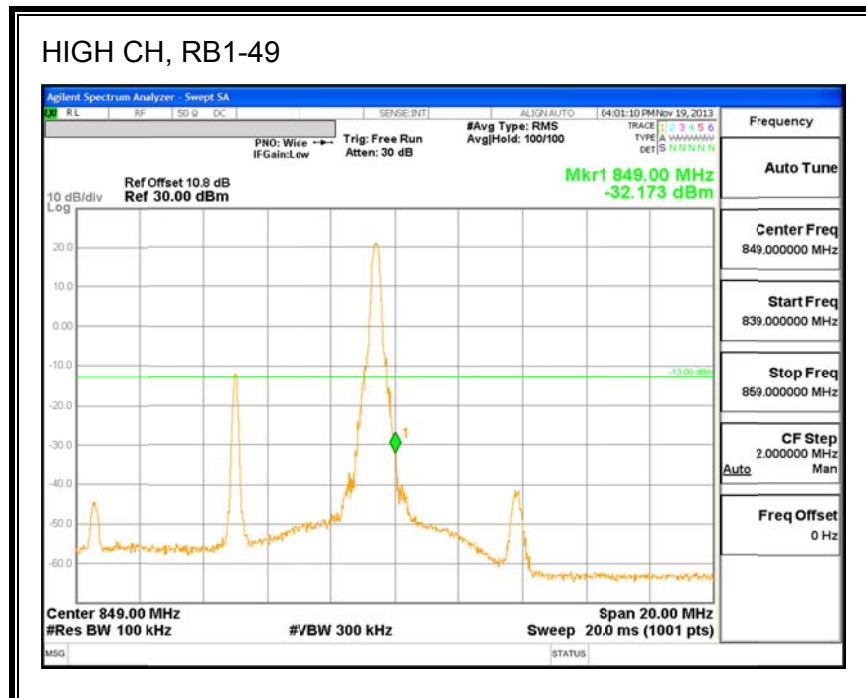
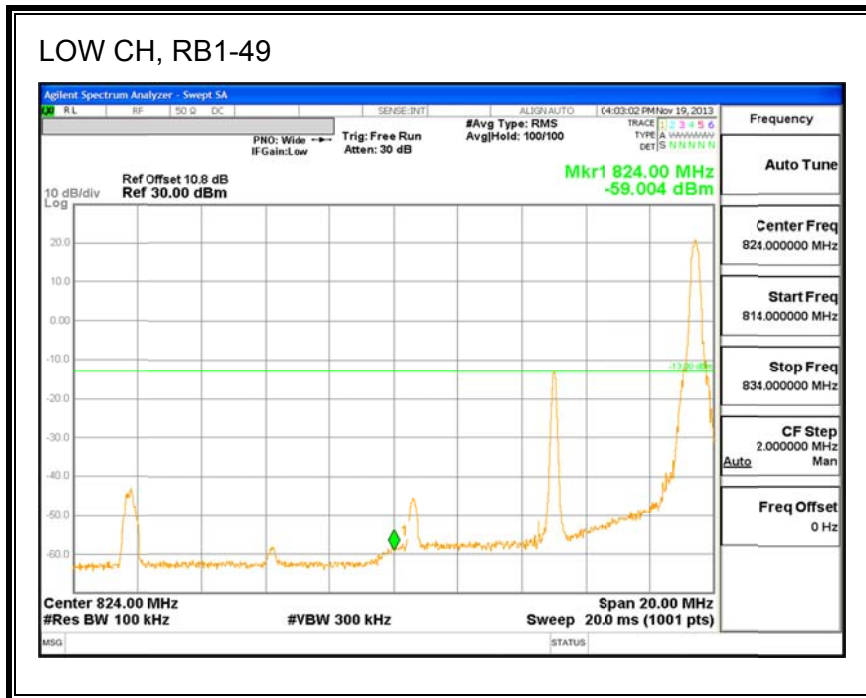


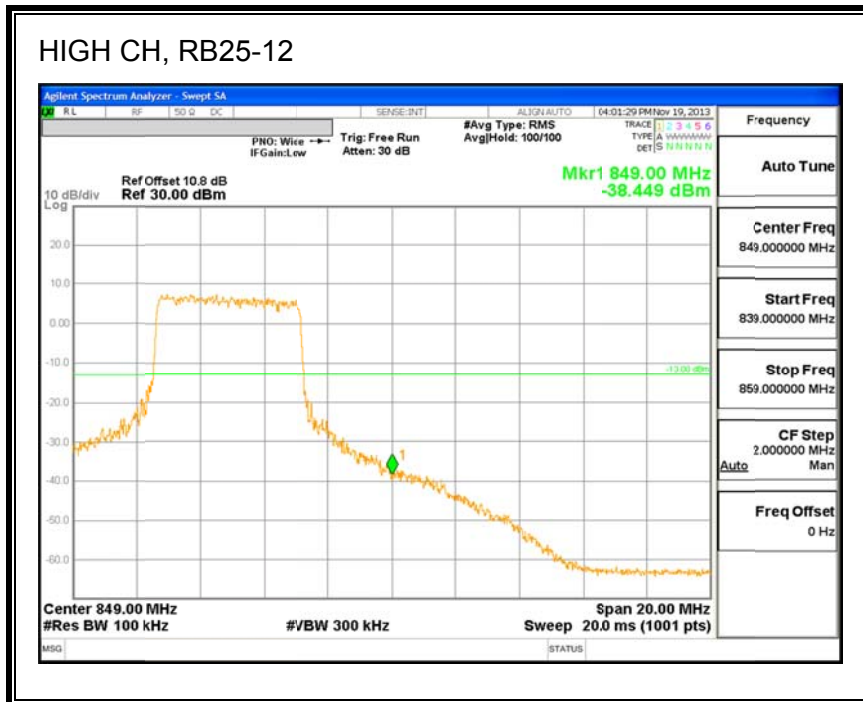
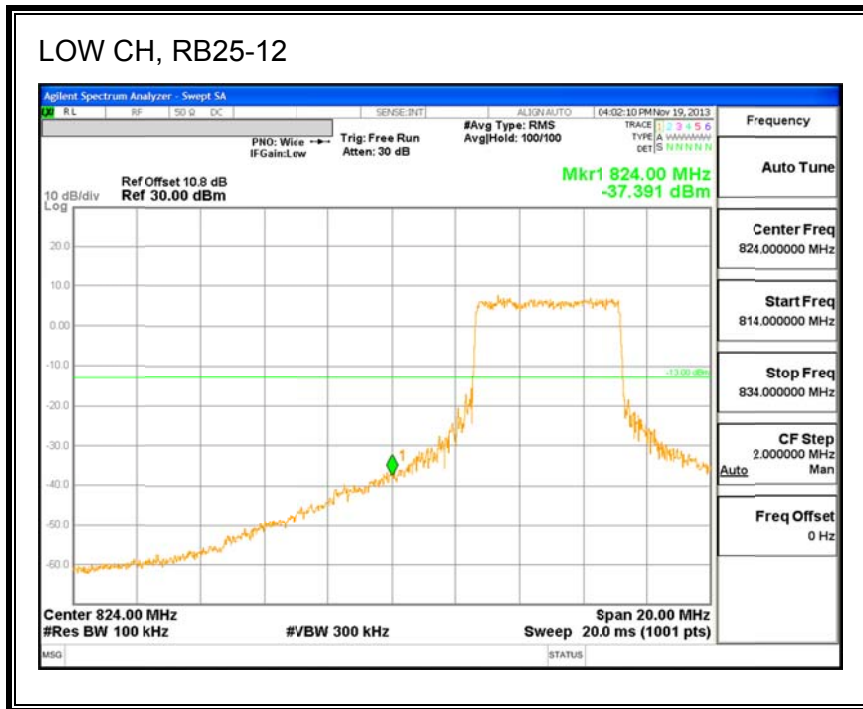


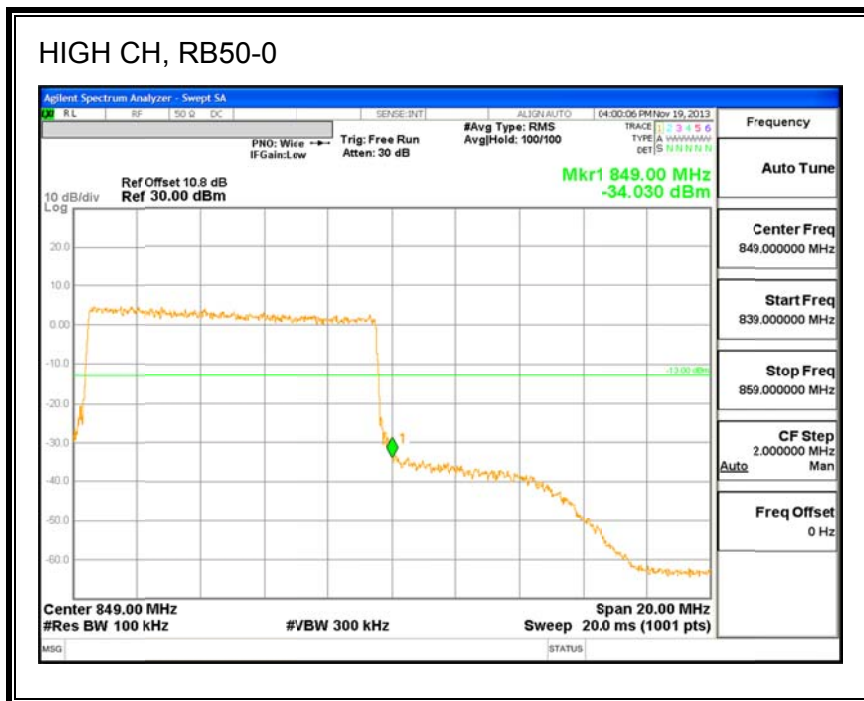
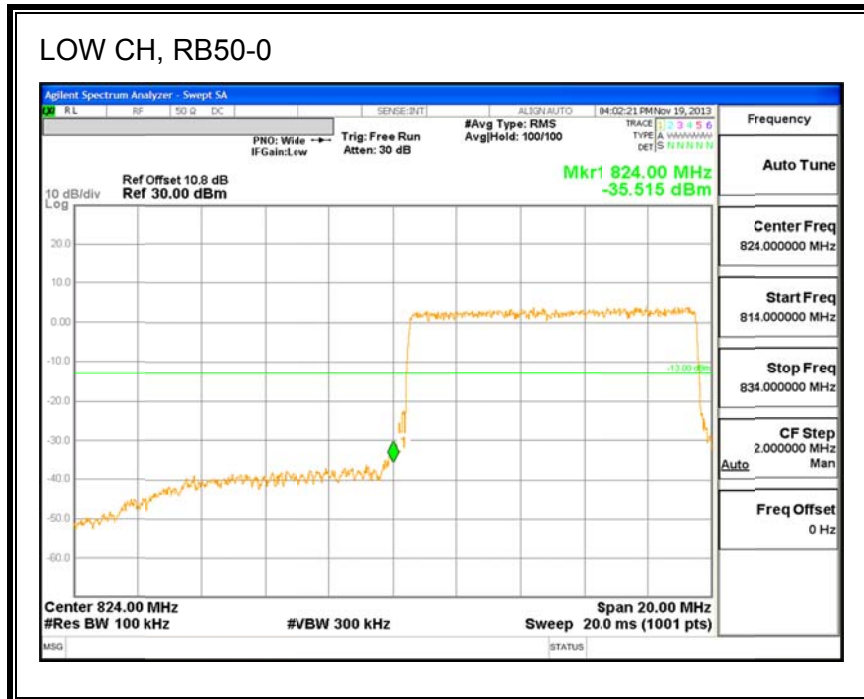
**Band 5 (10MHz BANDWIDTH)**

**LTE 16QAM**









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### **8.3. OUT OF BAND EMISSIONS**

#### **RULE PART(S)**

FCC: §2.1051, §22.901, §22.917 and §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**

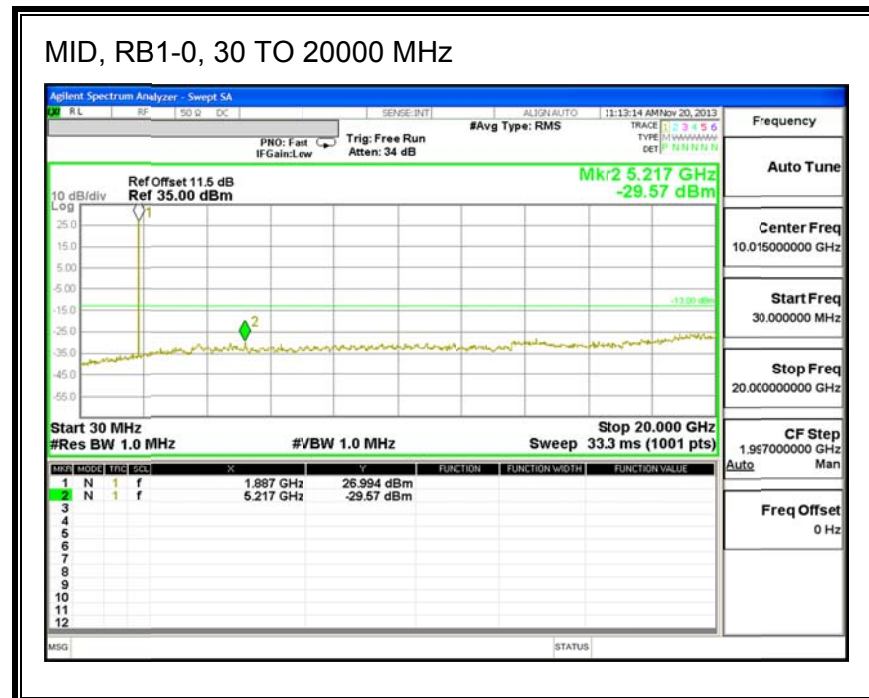
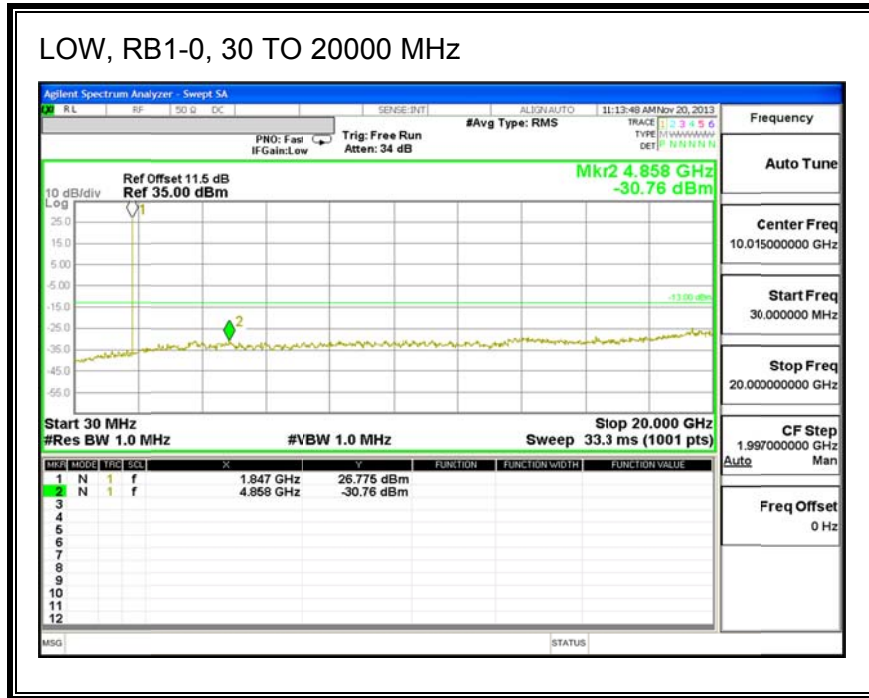
- LTE Band 2
- LTE Band 5

#### **RESULTS**

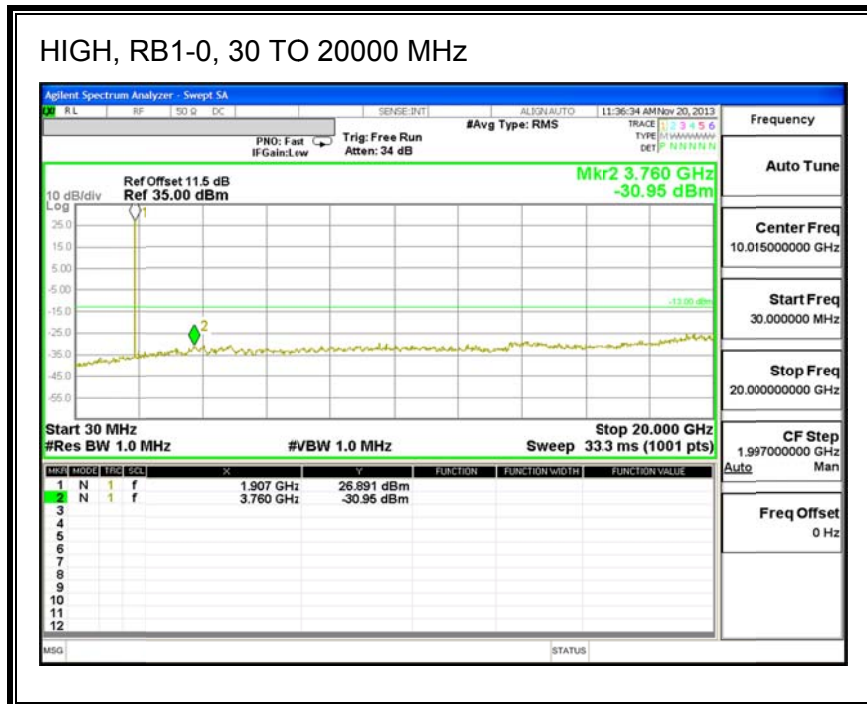
### 8.3.1. LTE BAND 2

#### Band 2 (1.4 MHz BANDWIDTH)

#### LTE QPSK







**Band 2 (1.4 MHz BANDWIDTH)**

**LTE 16QAM**

