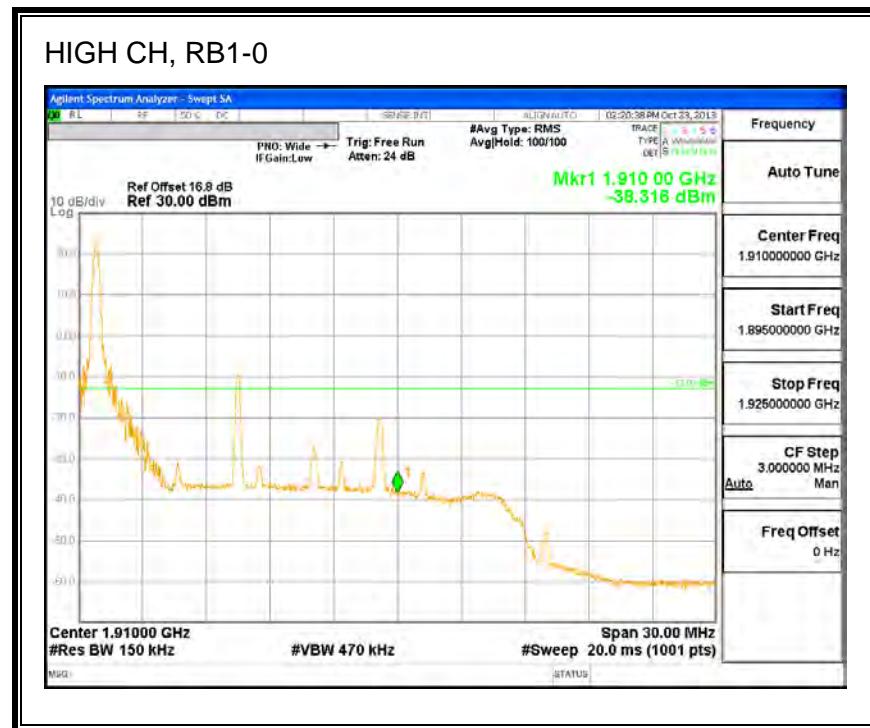
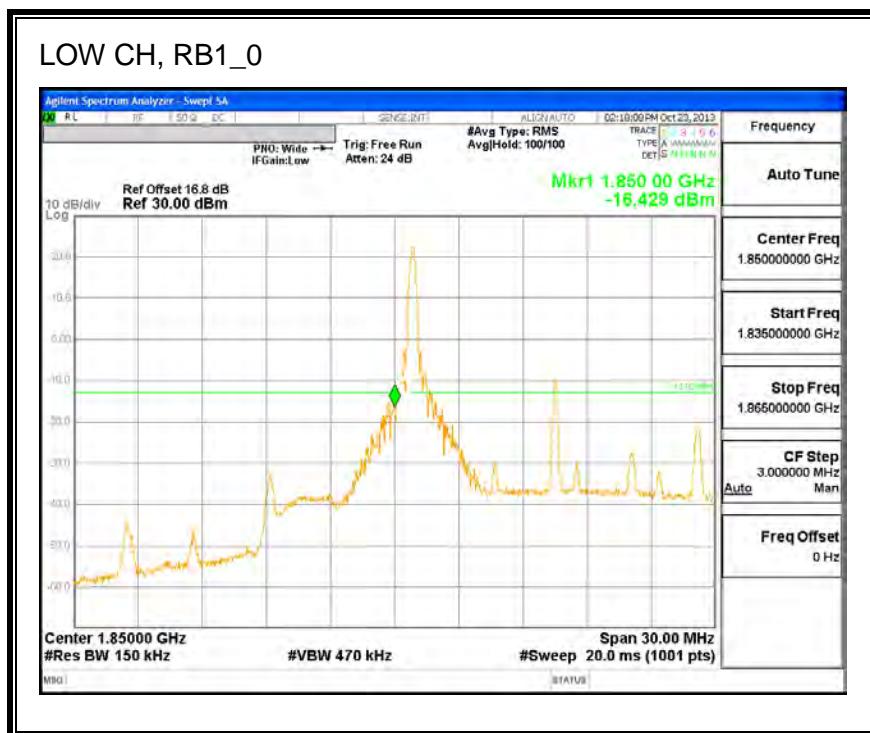
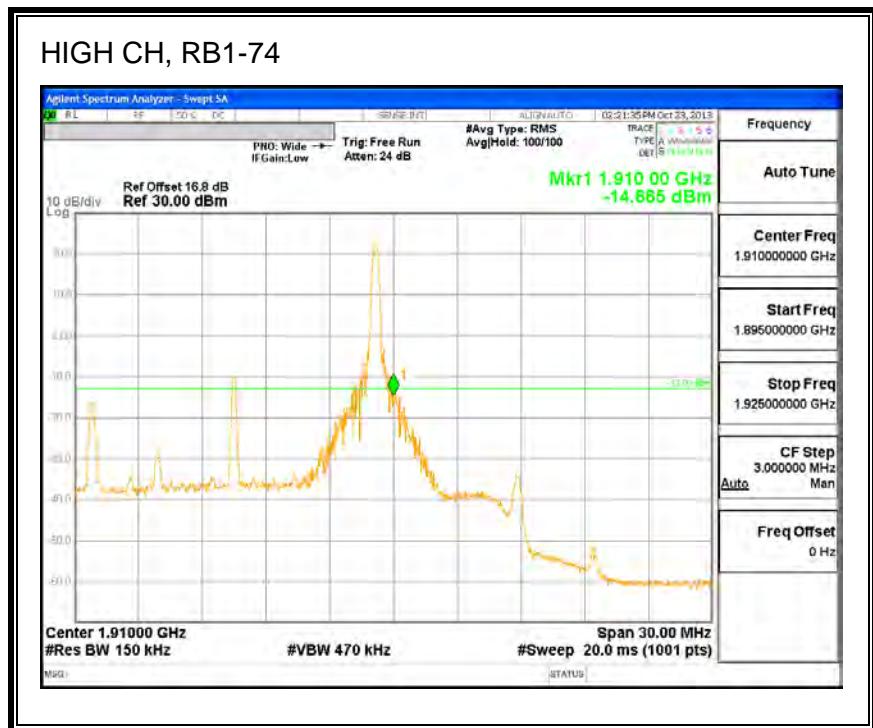
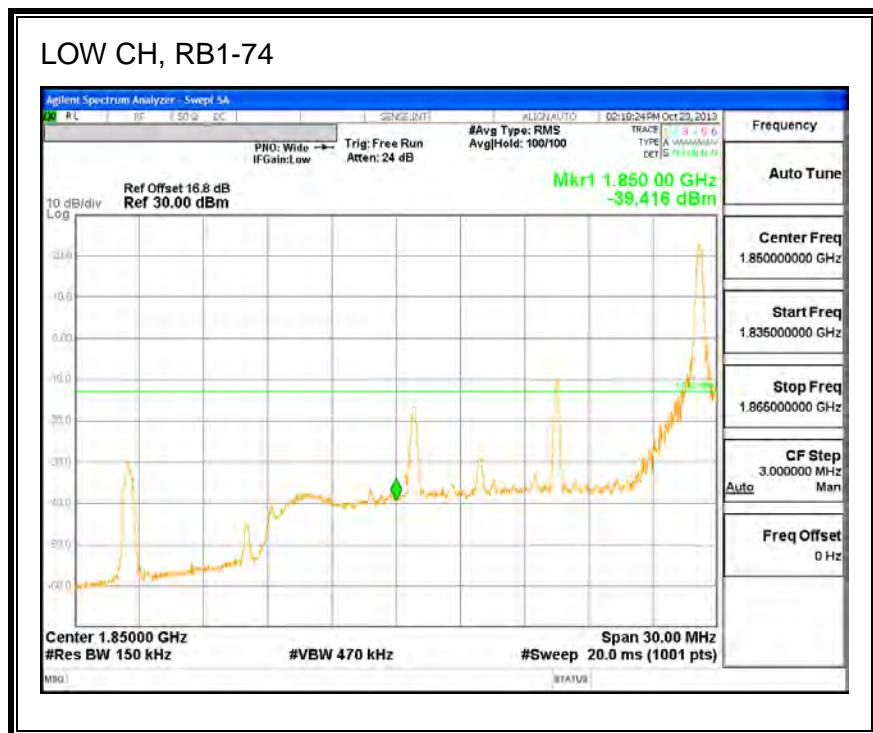
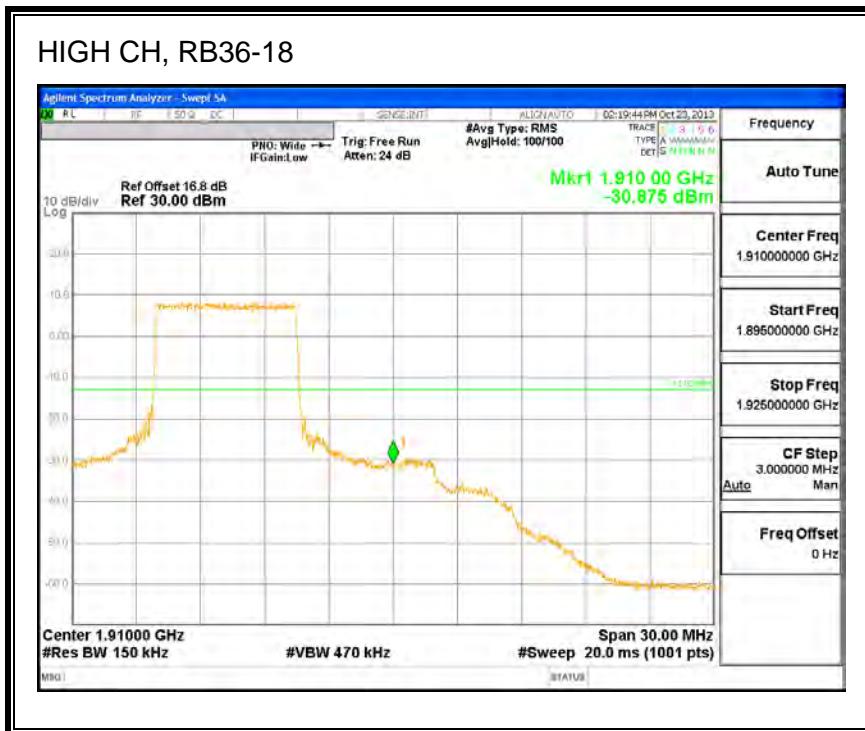
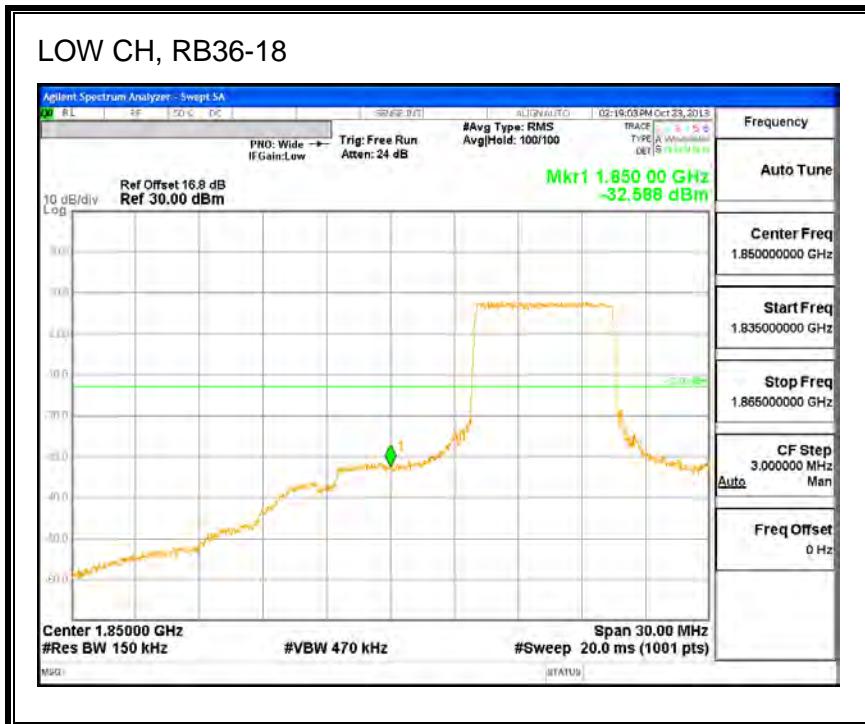
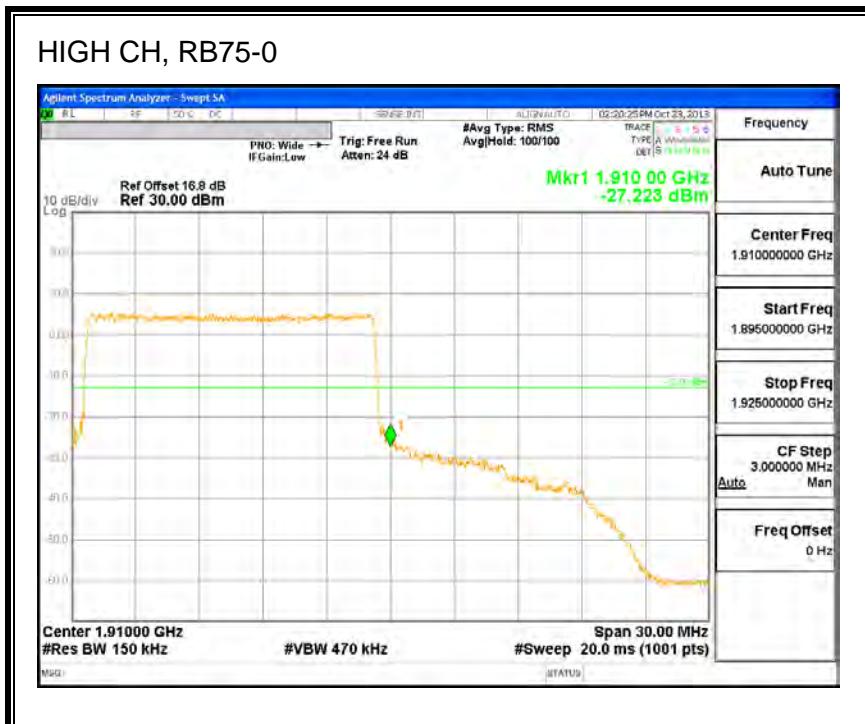
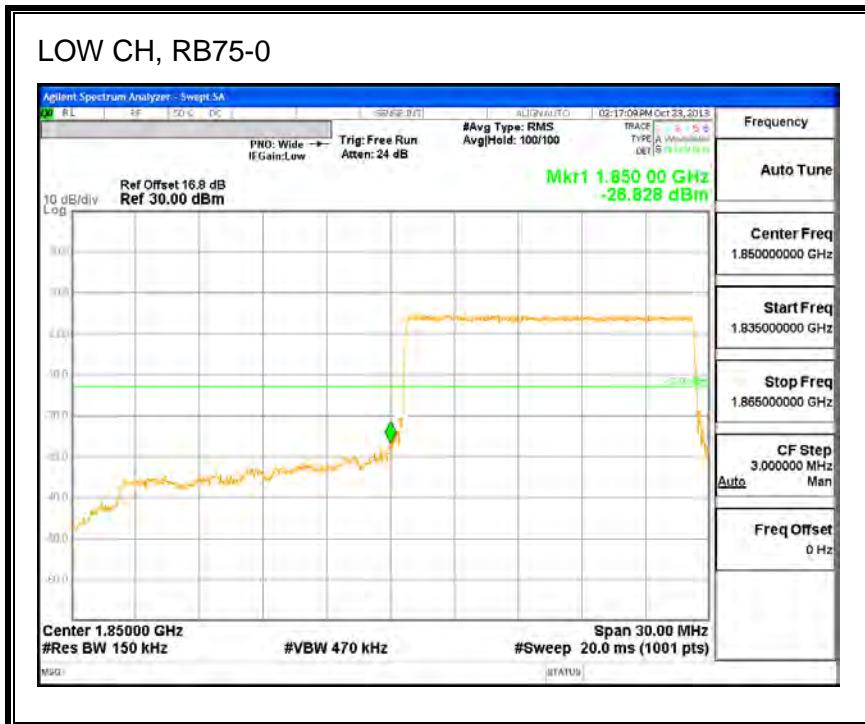
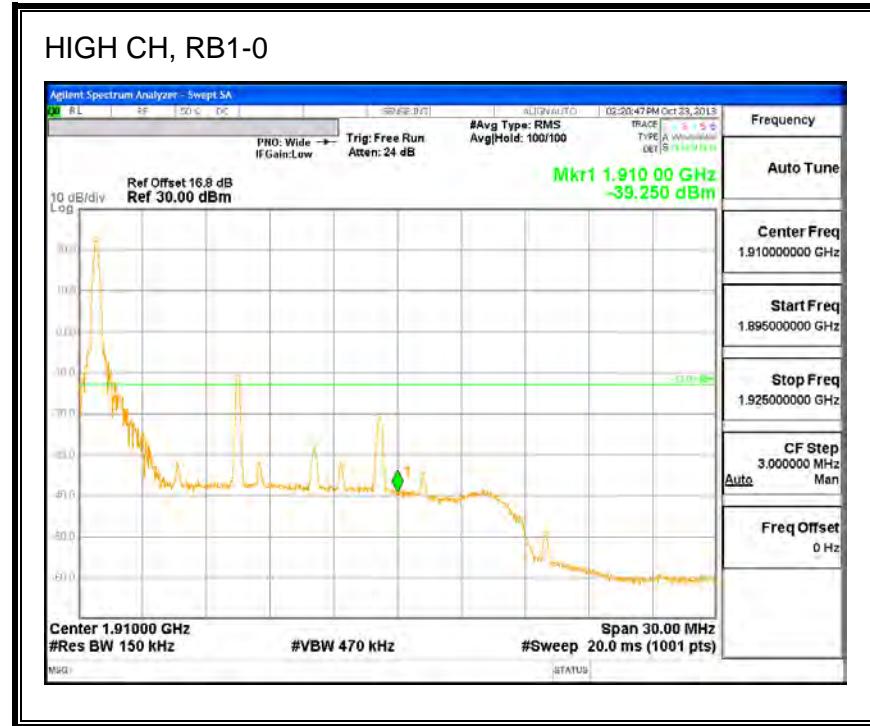
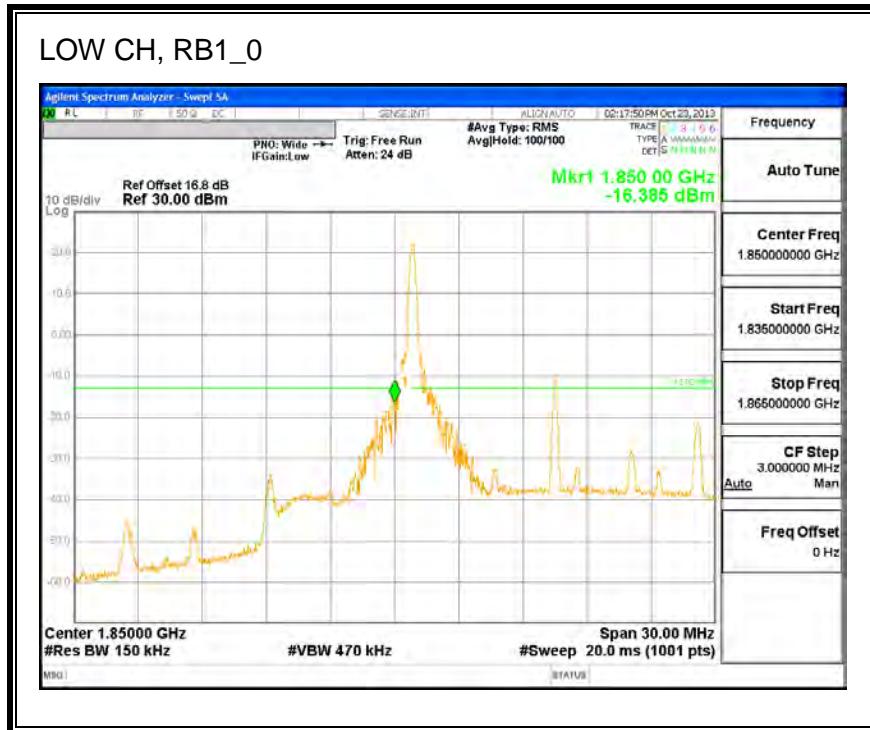


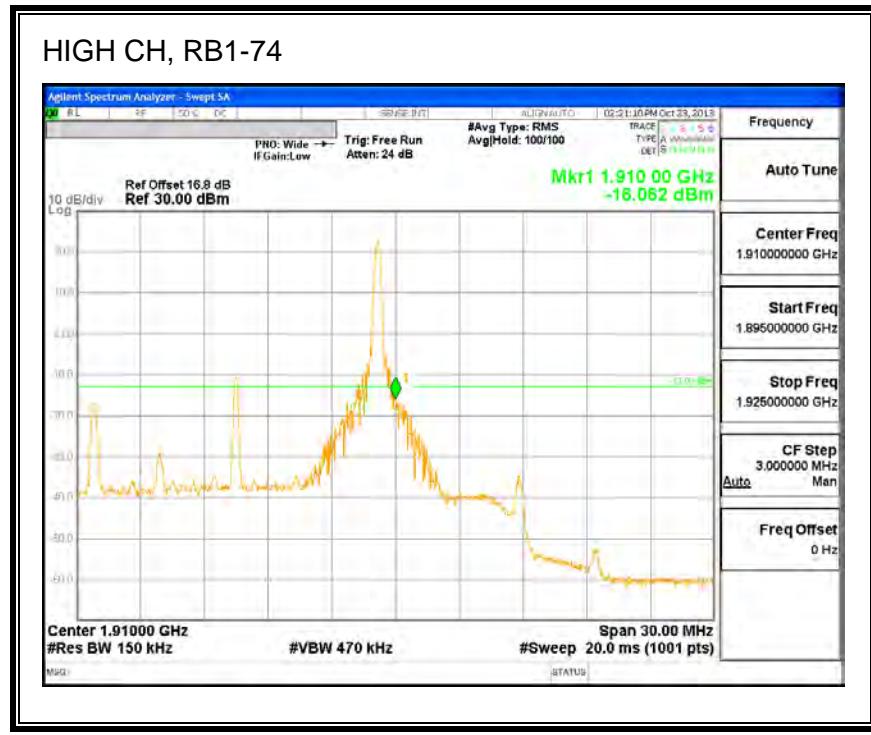
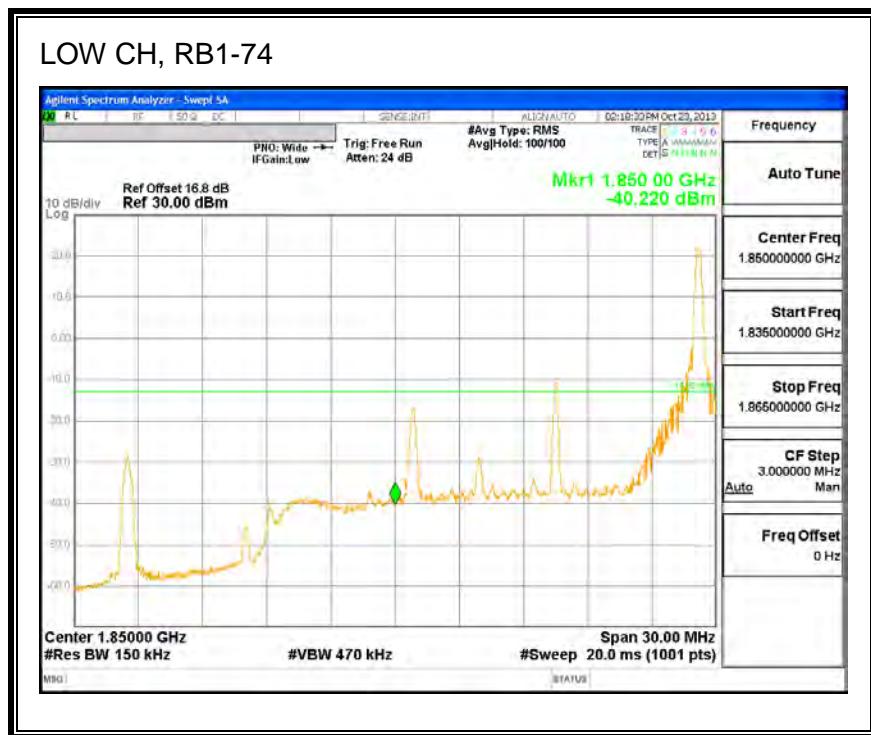
Band 2 (15MHz BANDWIDTH)**LTE QPSK**

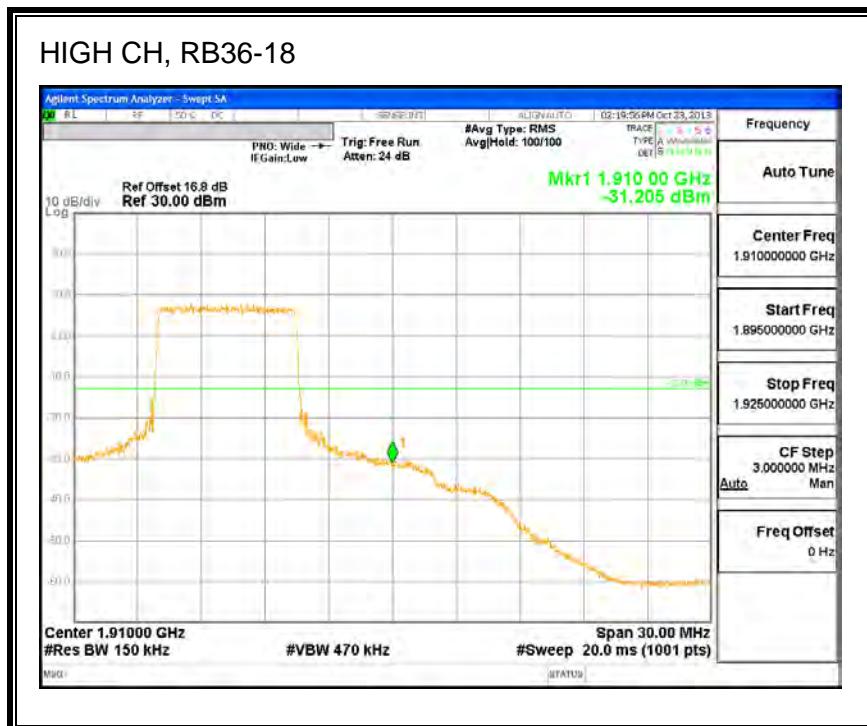
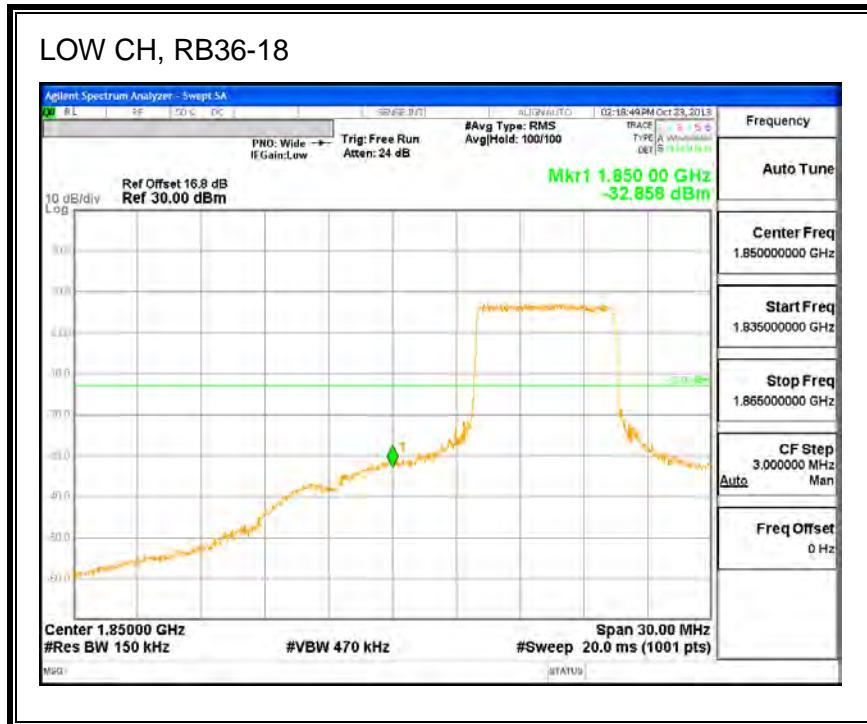


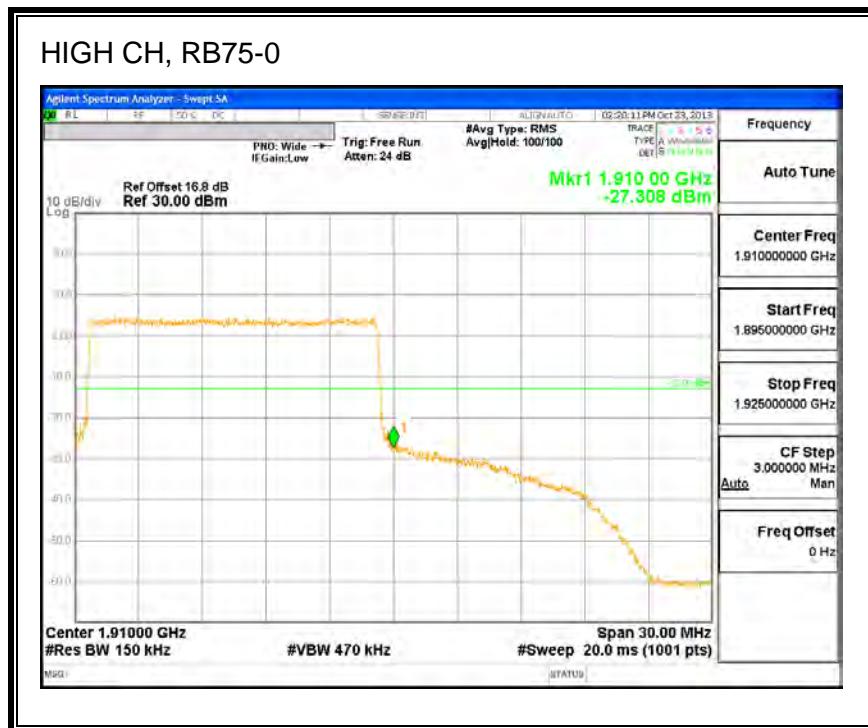
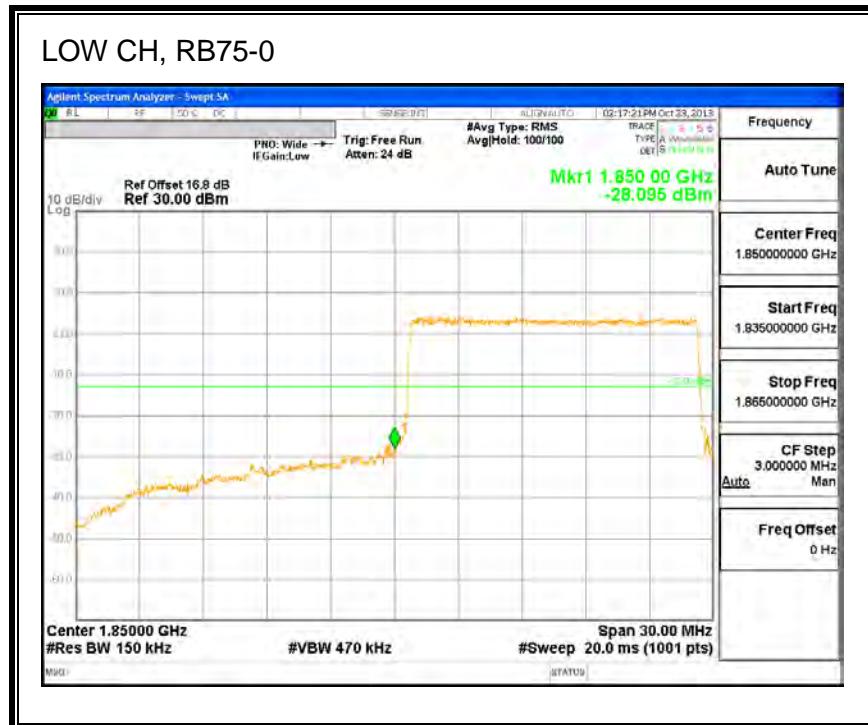


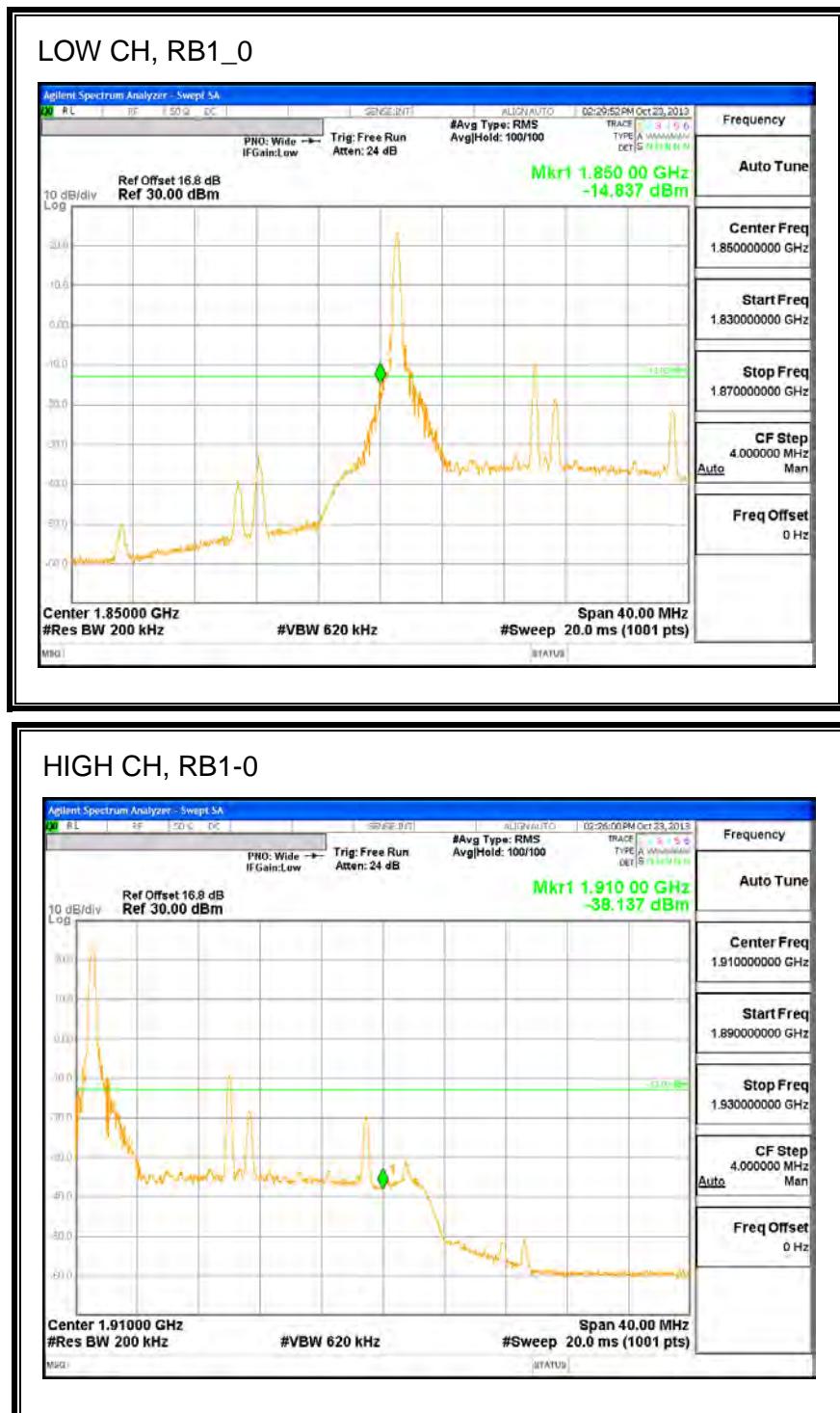


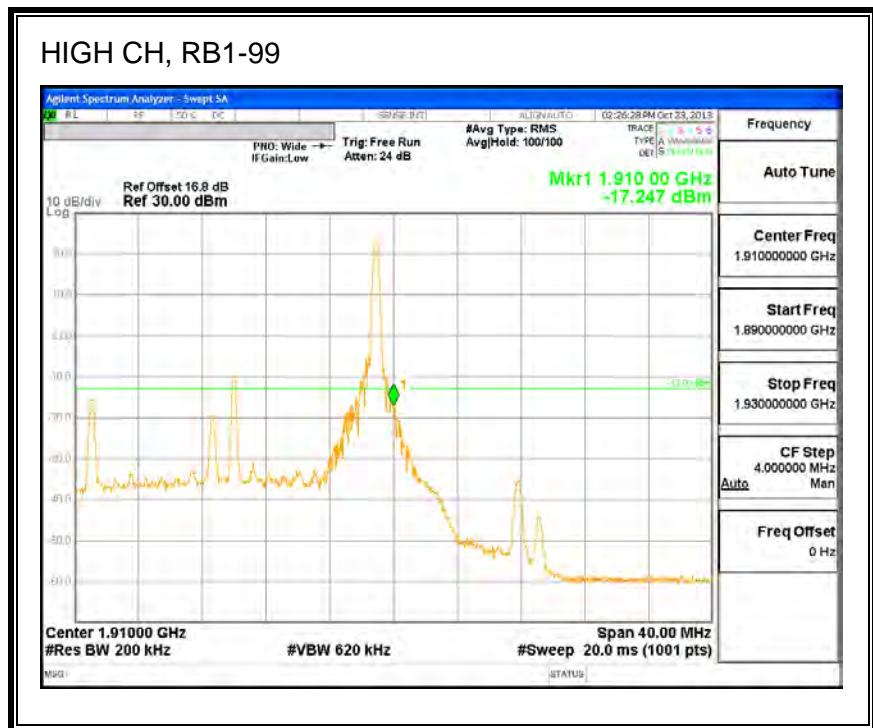
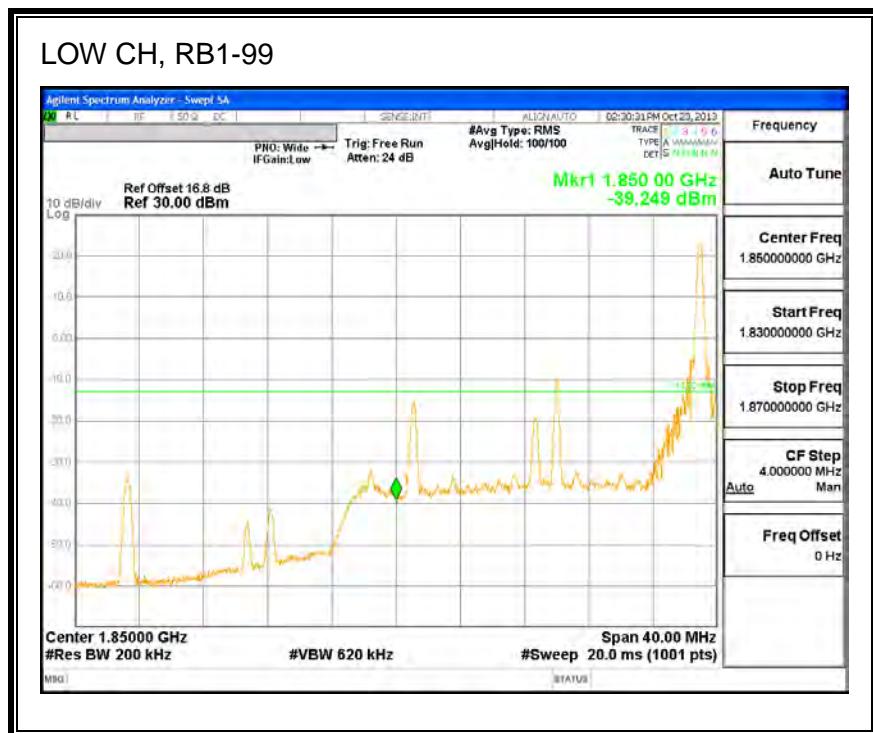
Band 2 (15MHz BANDWIDTH)**LTE 16QAM**

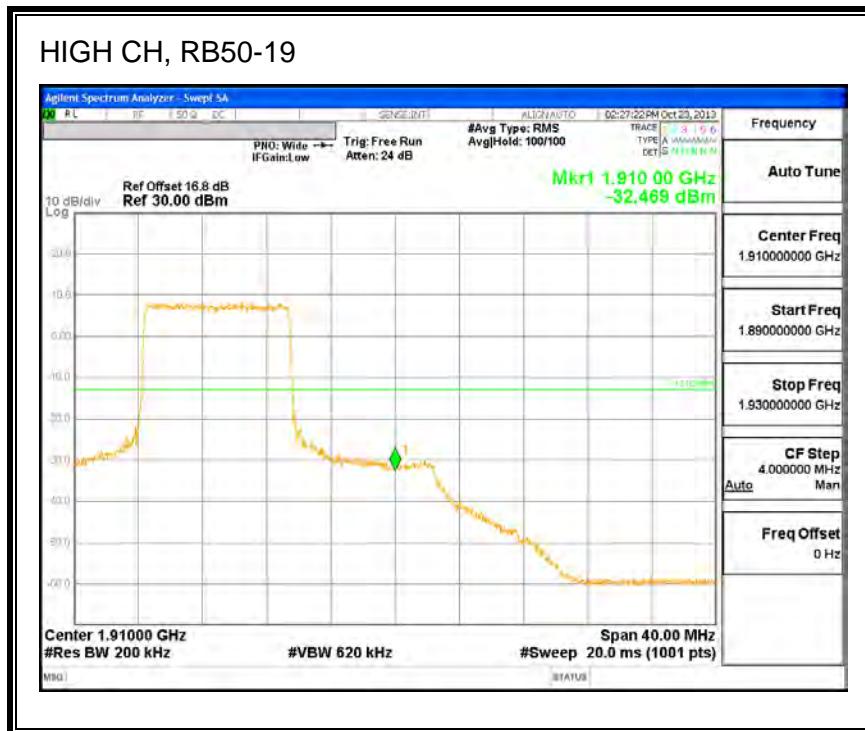
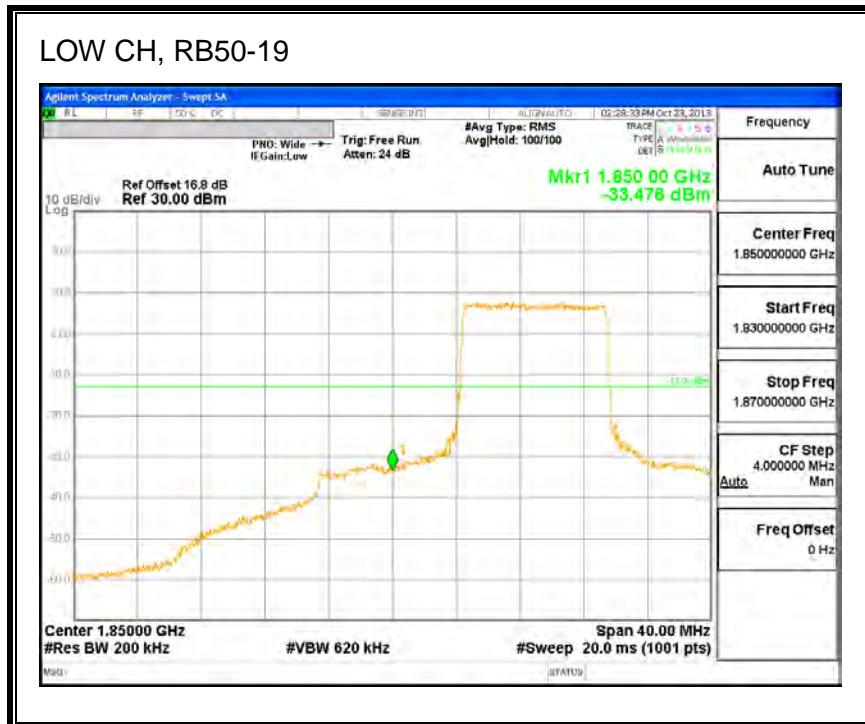


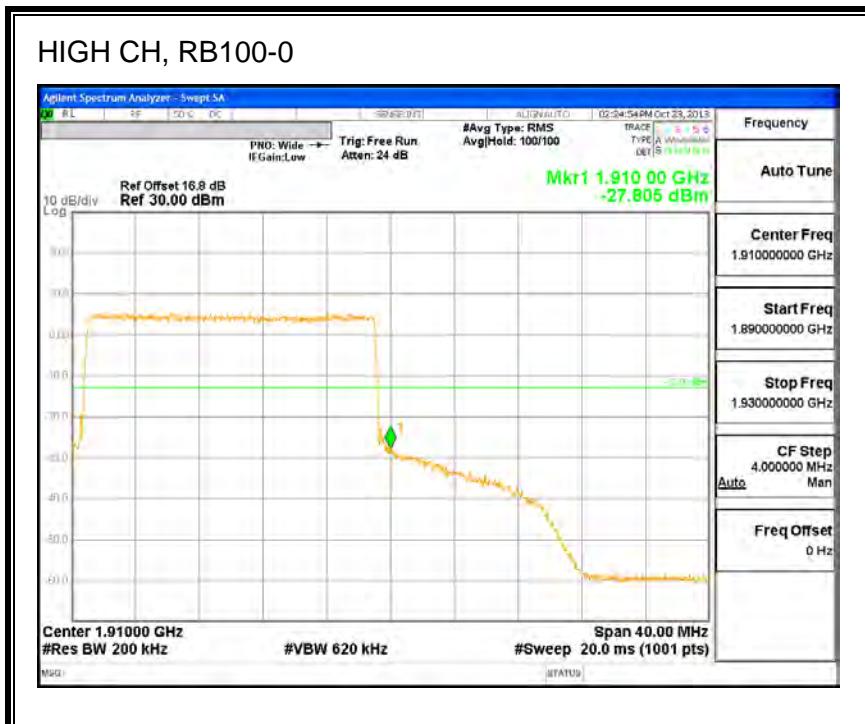
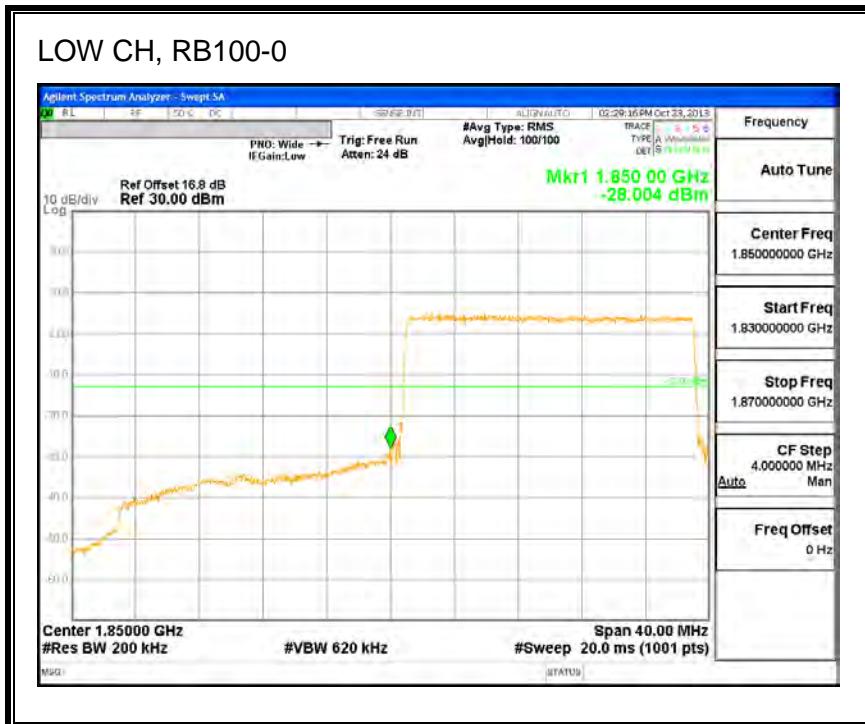


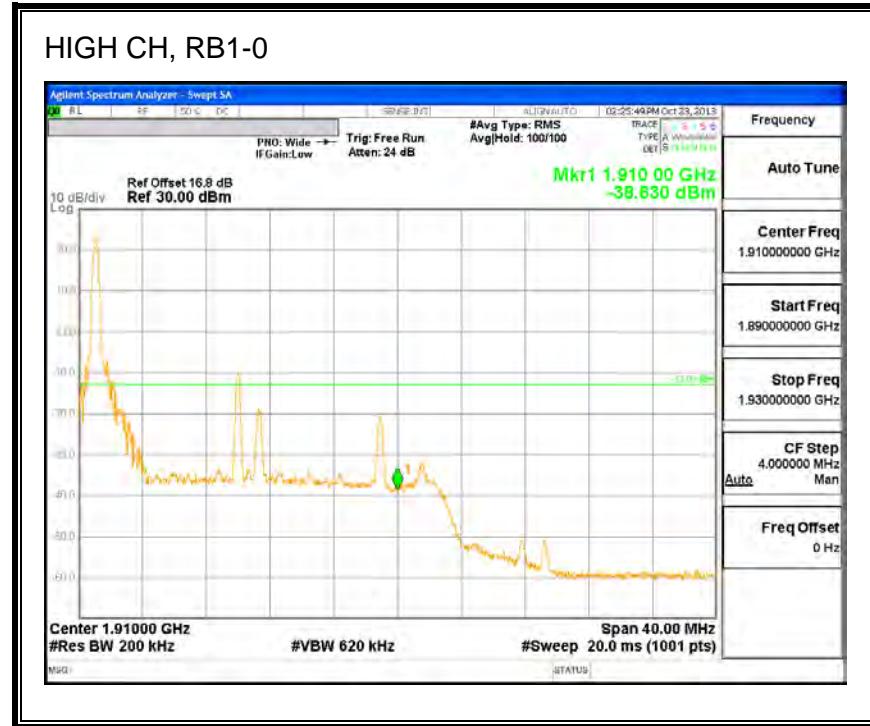
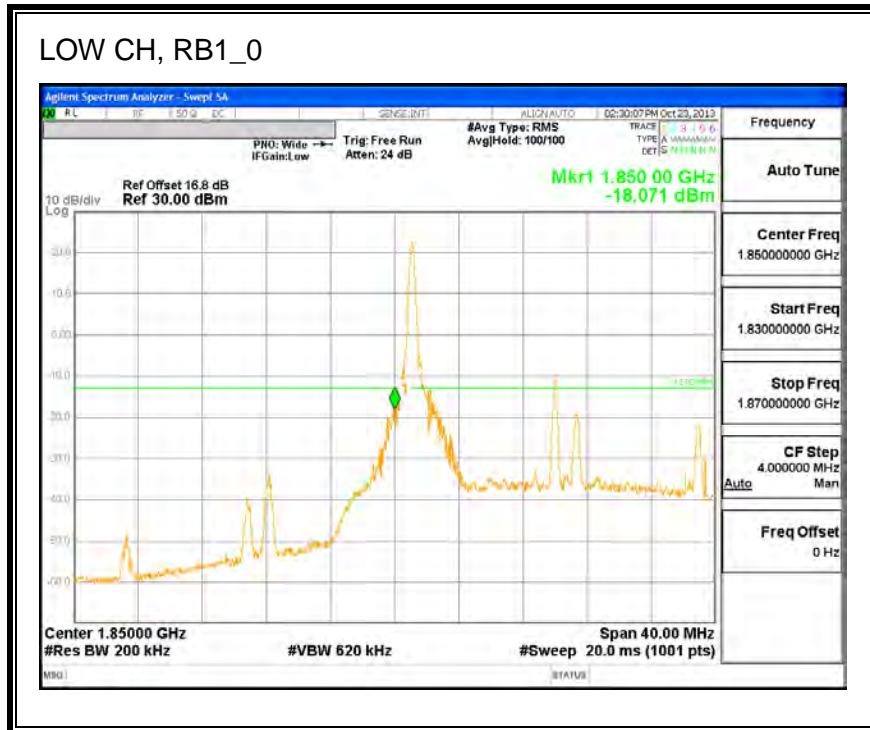


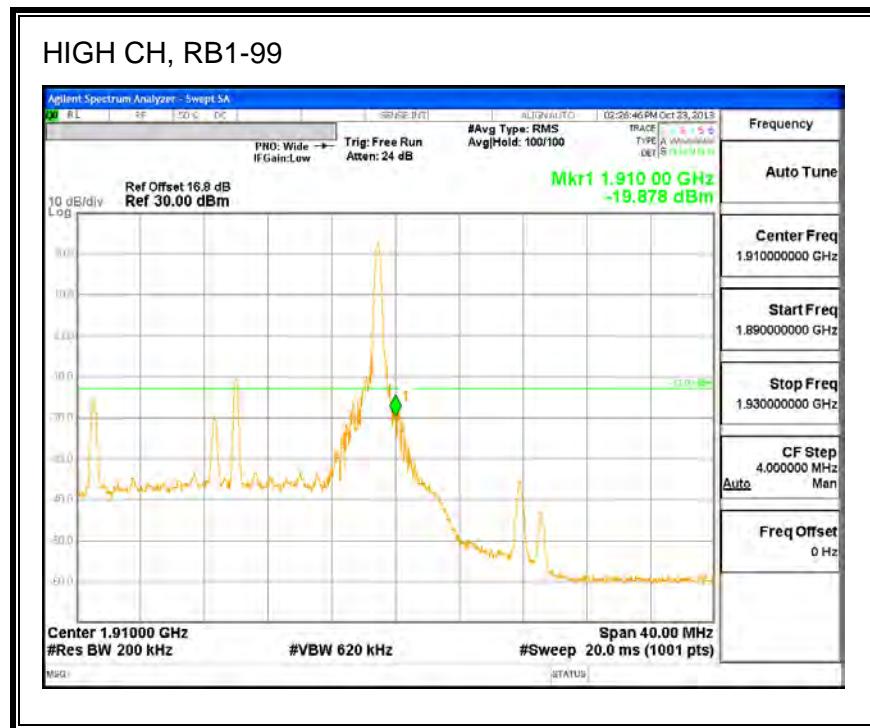
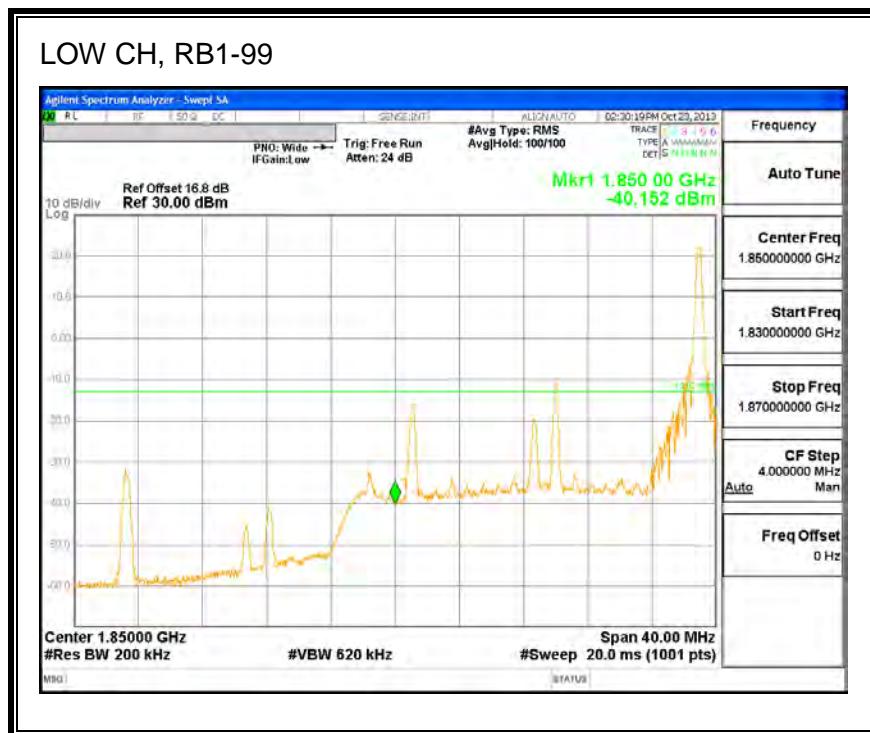
Band 2 (20MHz BANDWIDTH)**LTE QPSK**

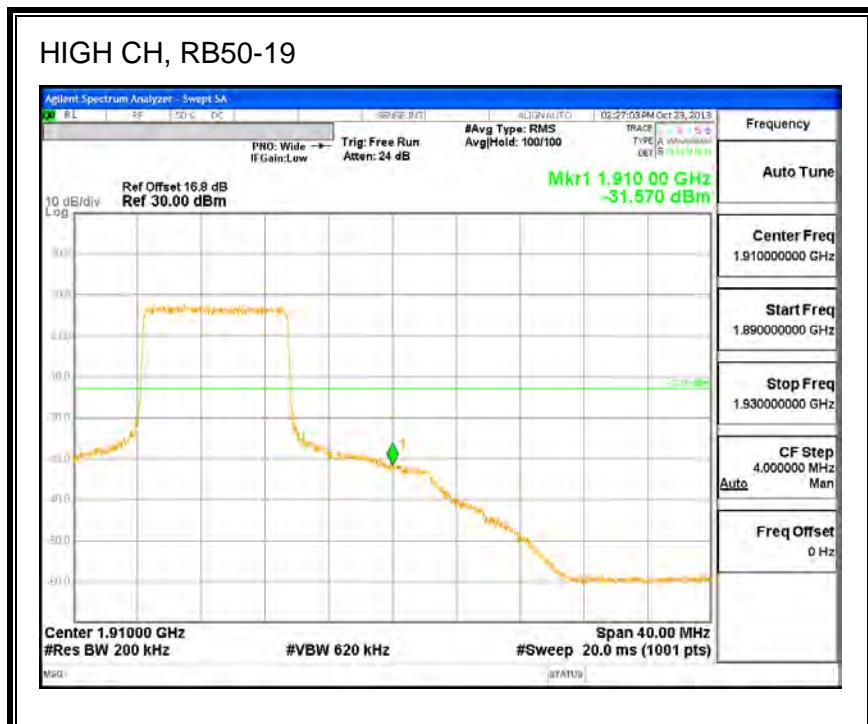
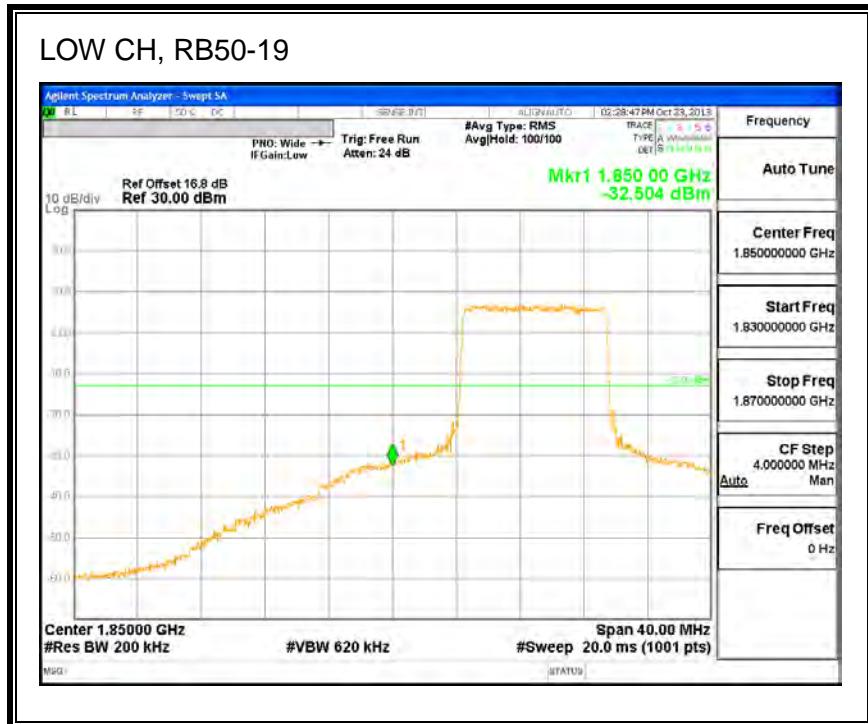


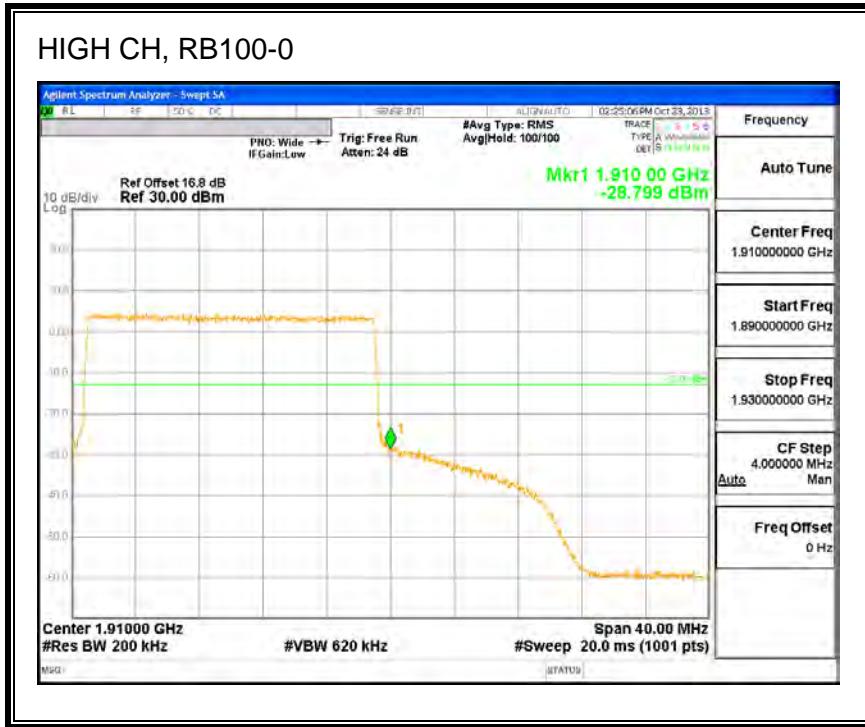
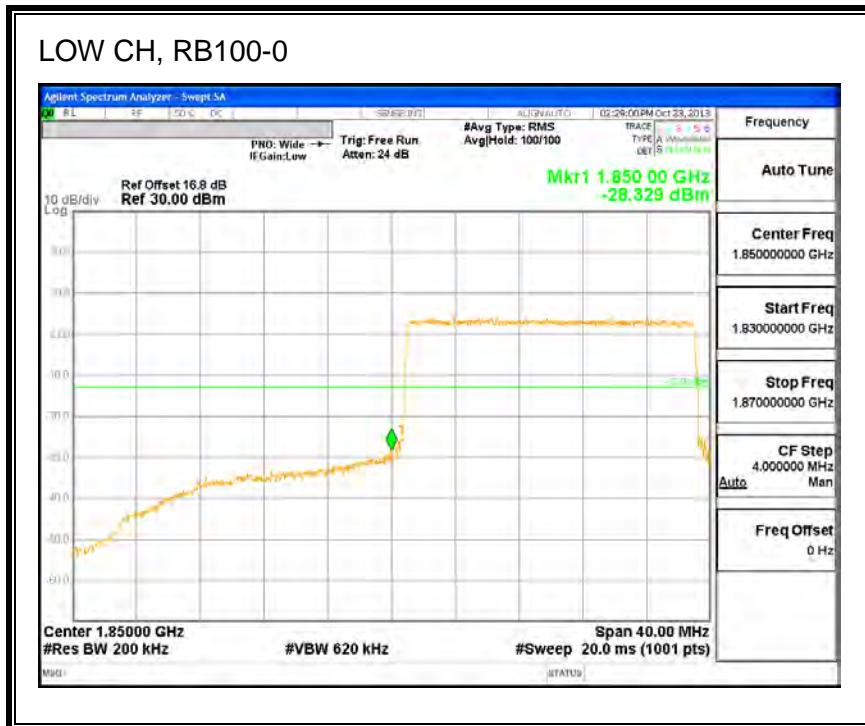




Band 2 (20MHz BANDWIDTH)**LTE 16QAM**



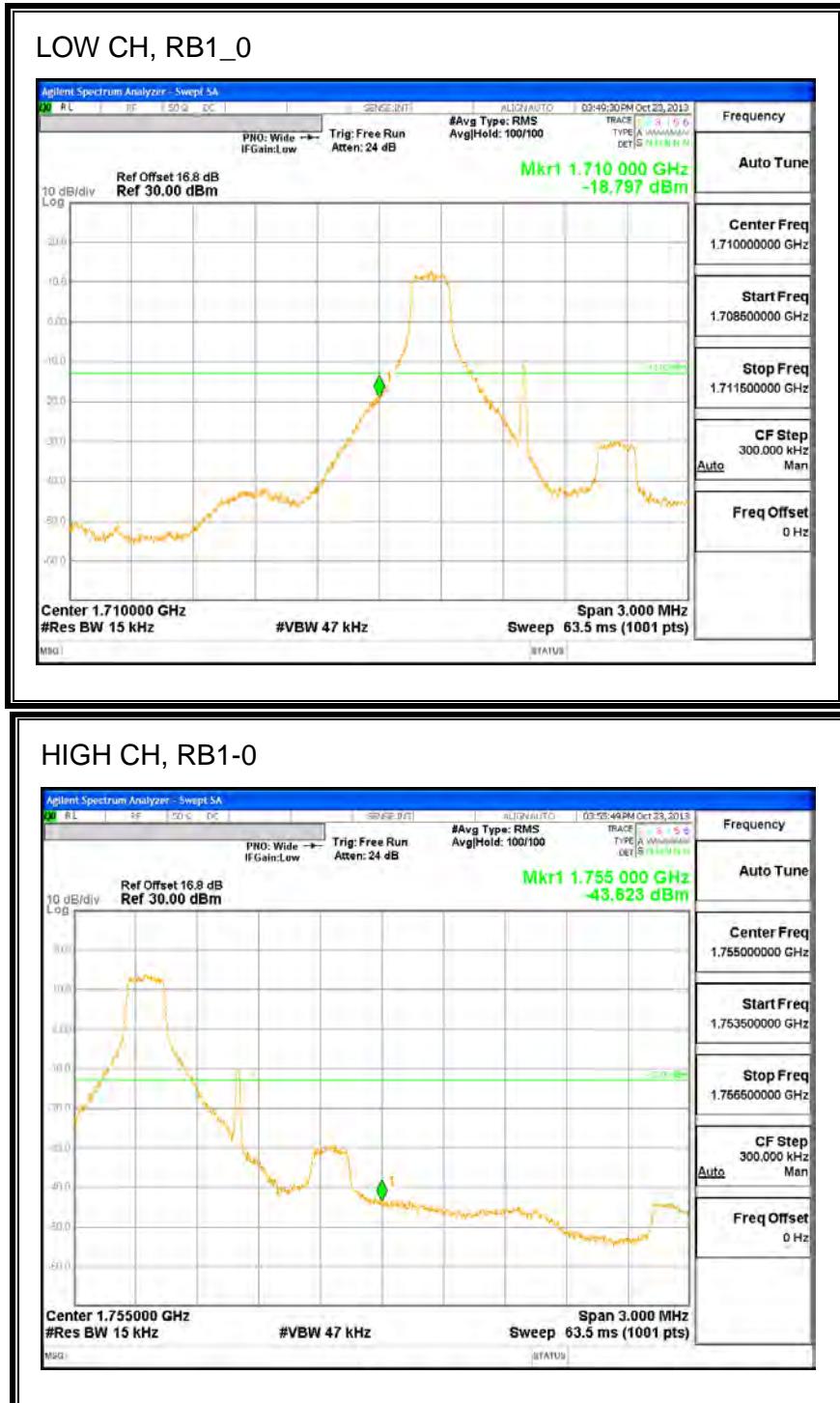


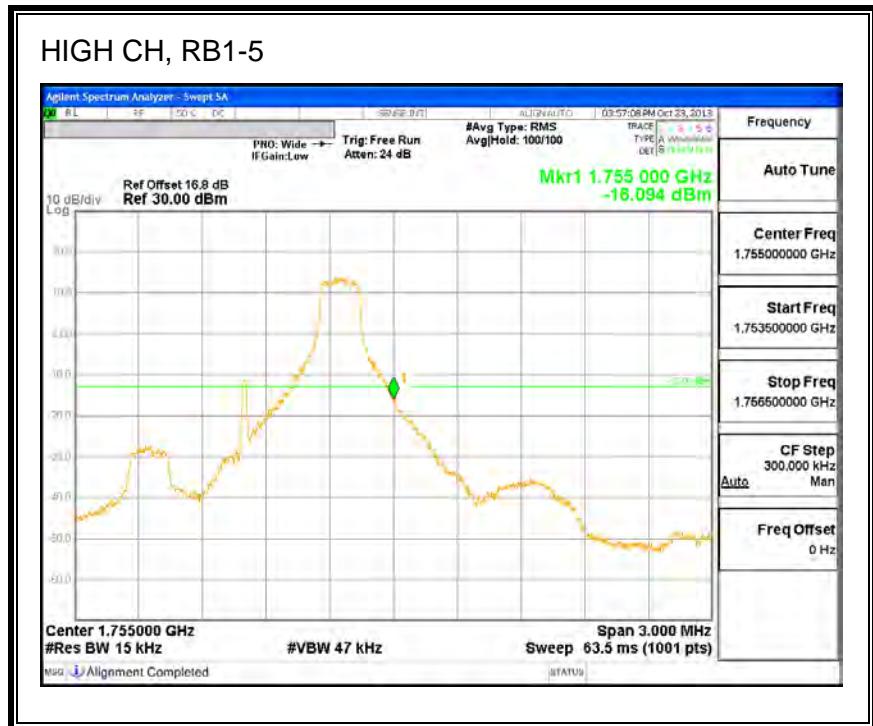
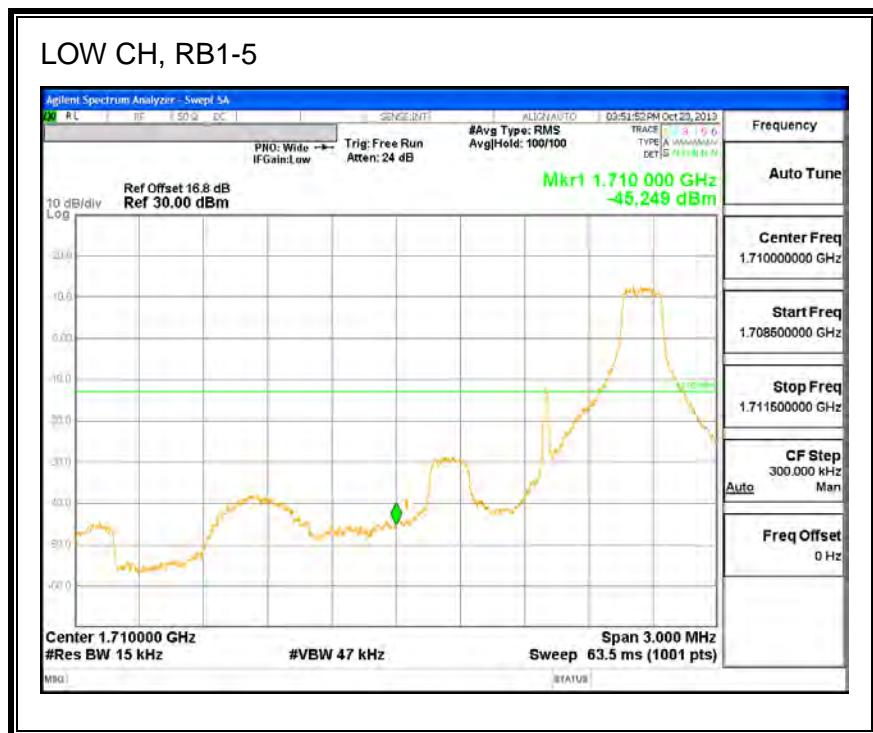


8.2.2. LTE BAND 4

Band 4 (1.4 MHz BANDWIDTH)

LTE QPSK



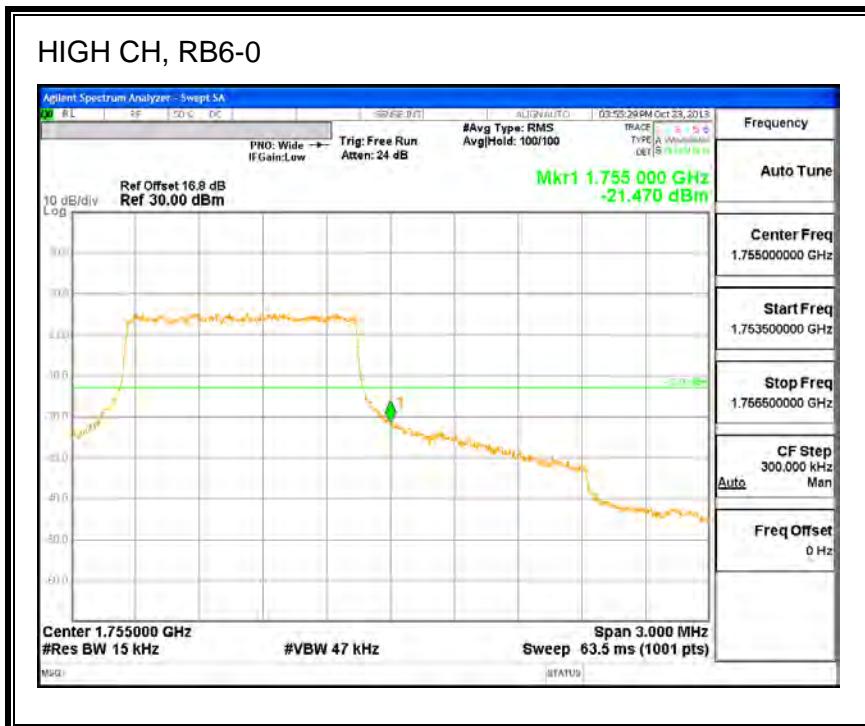
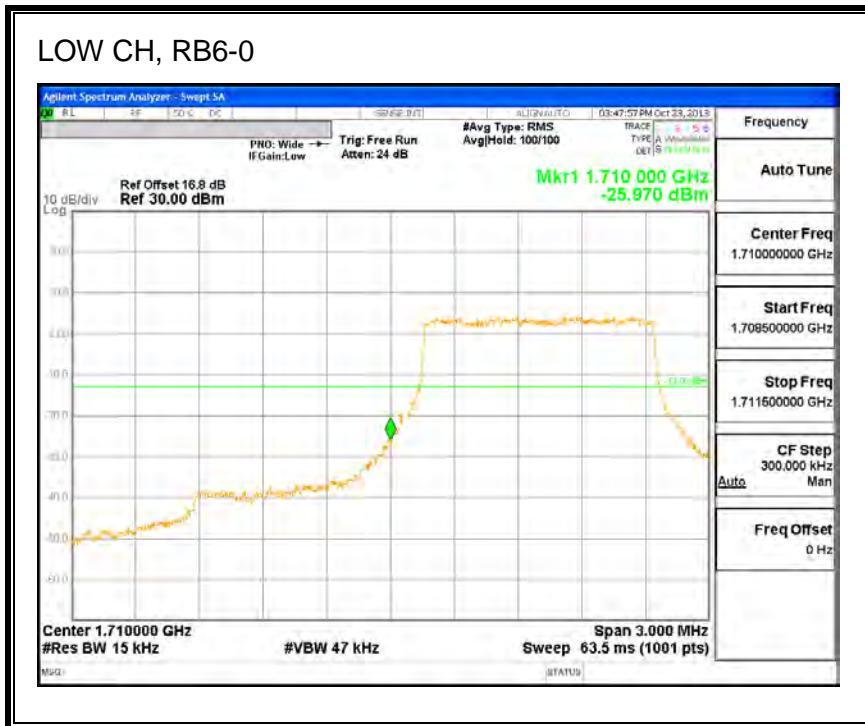


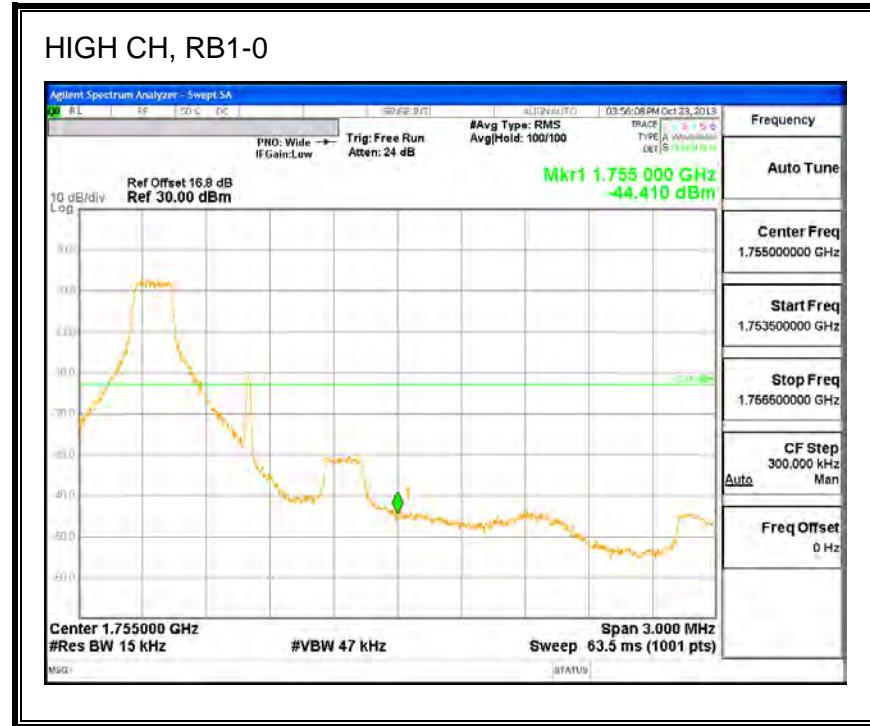
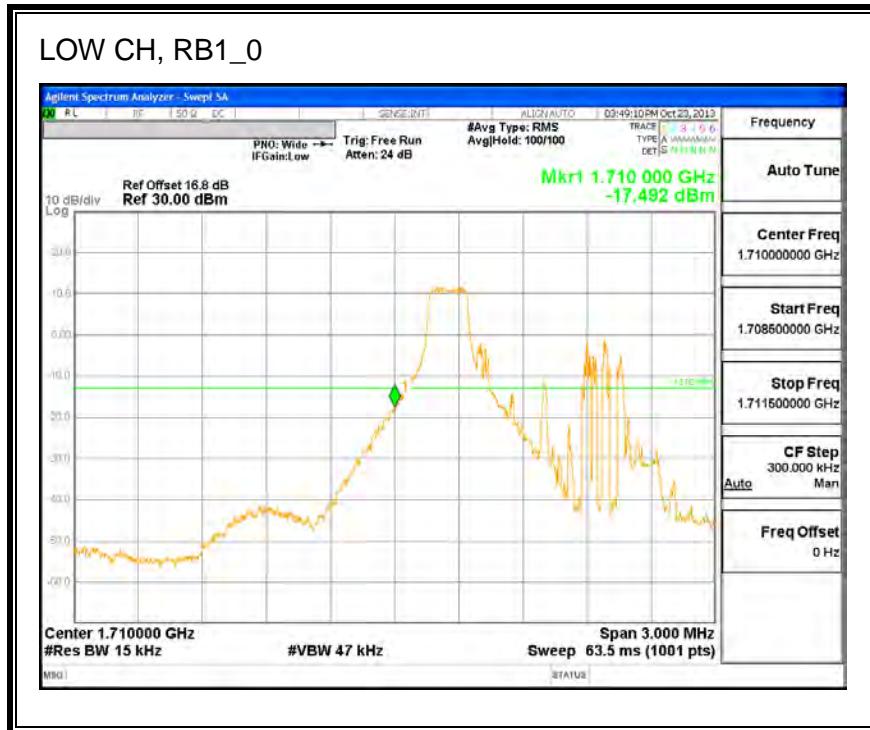
LOW CH, RB3-2

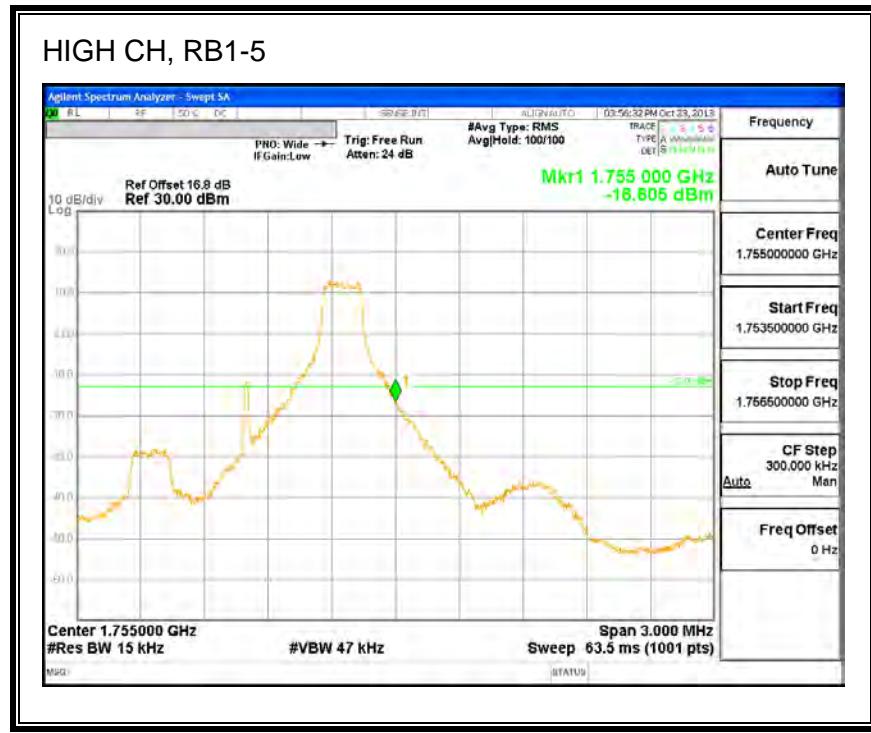
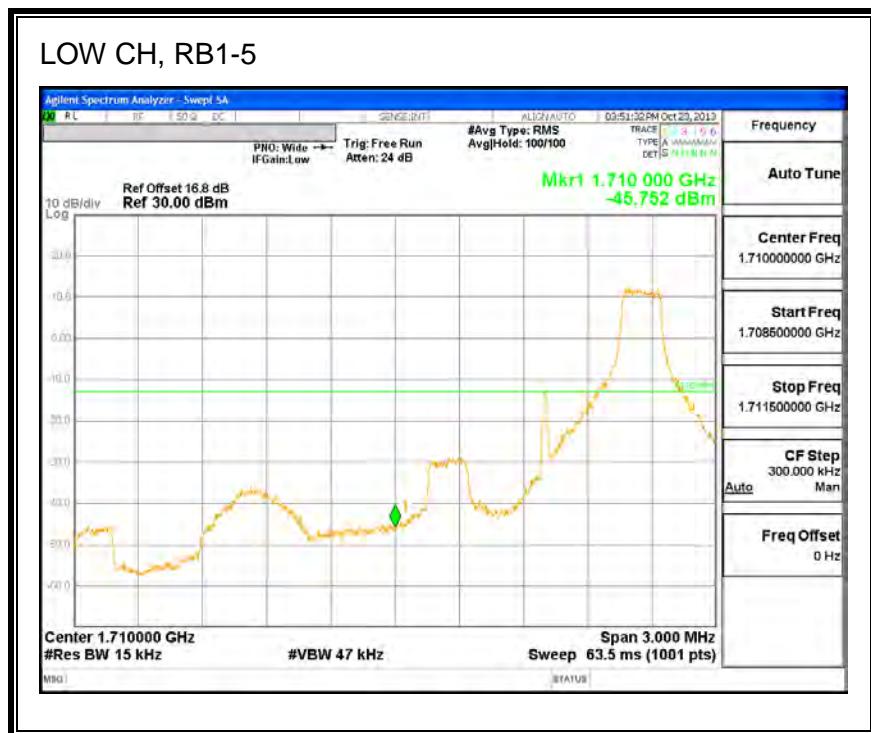


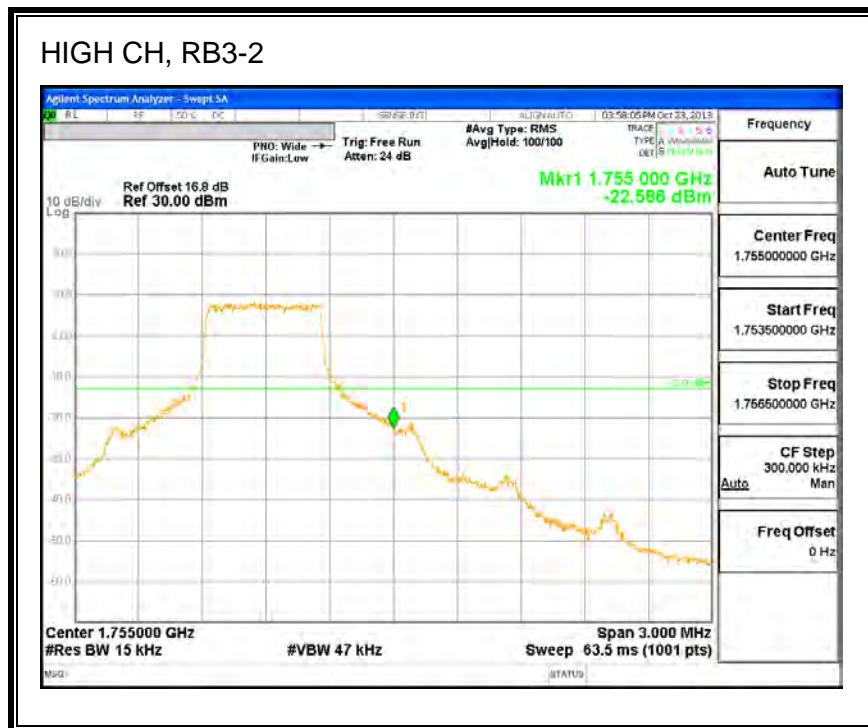
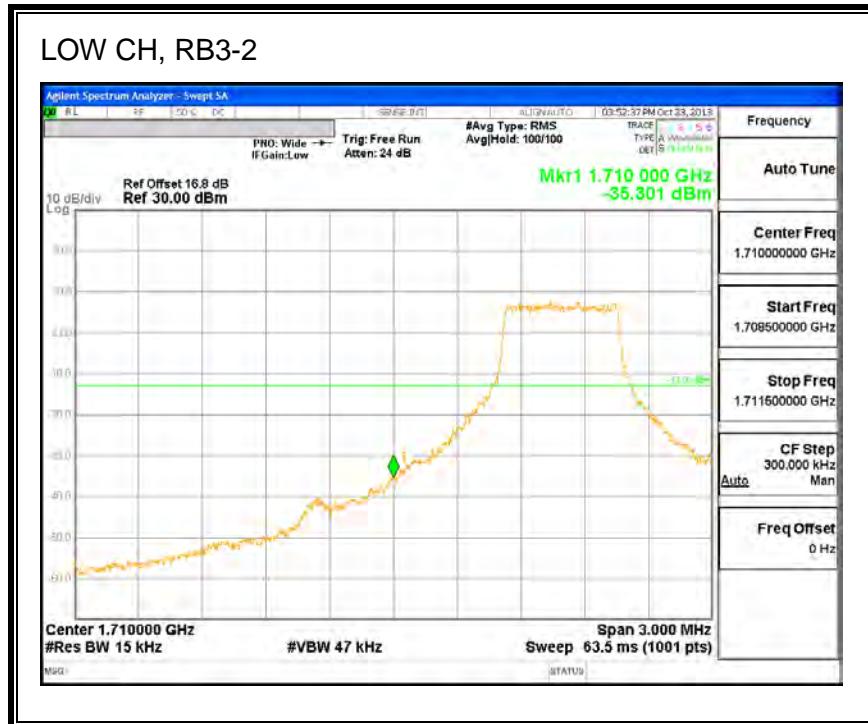
HIGH CH, RB3-2

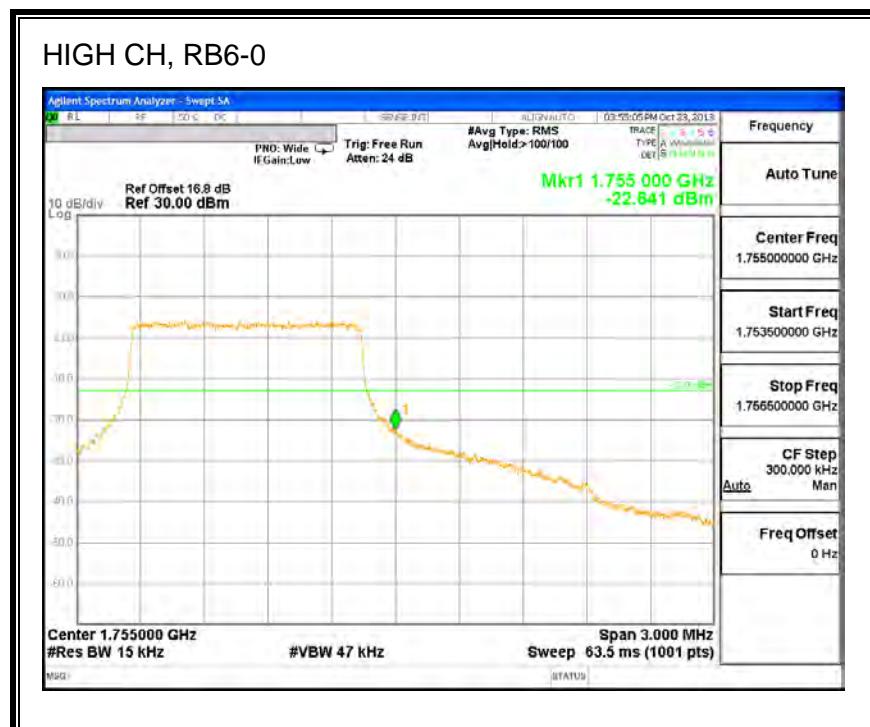
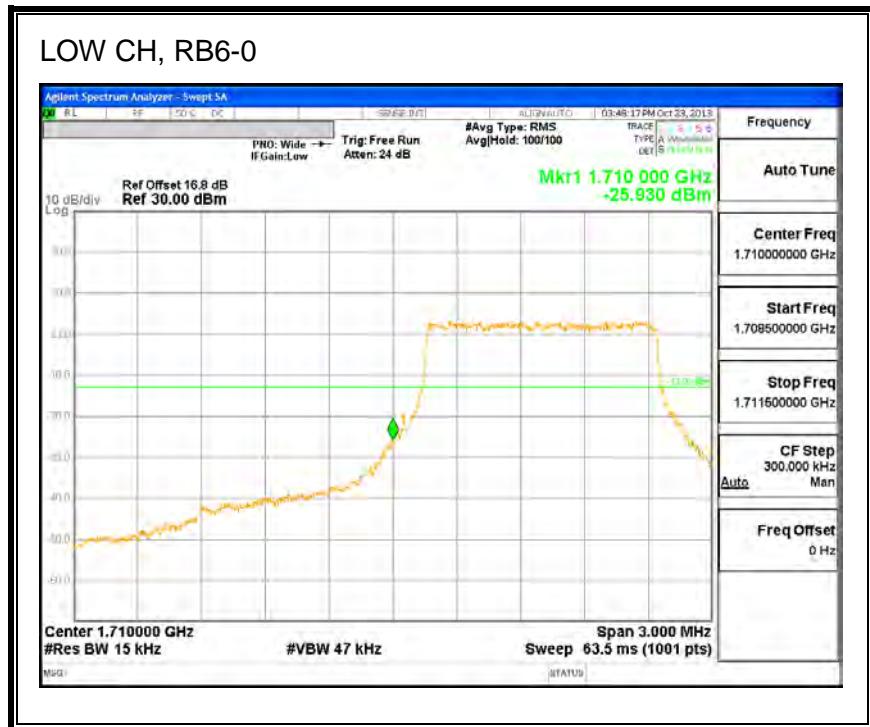


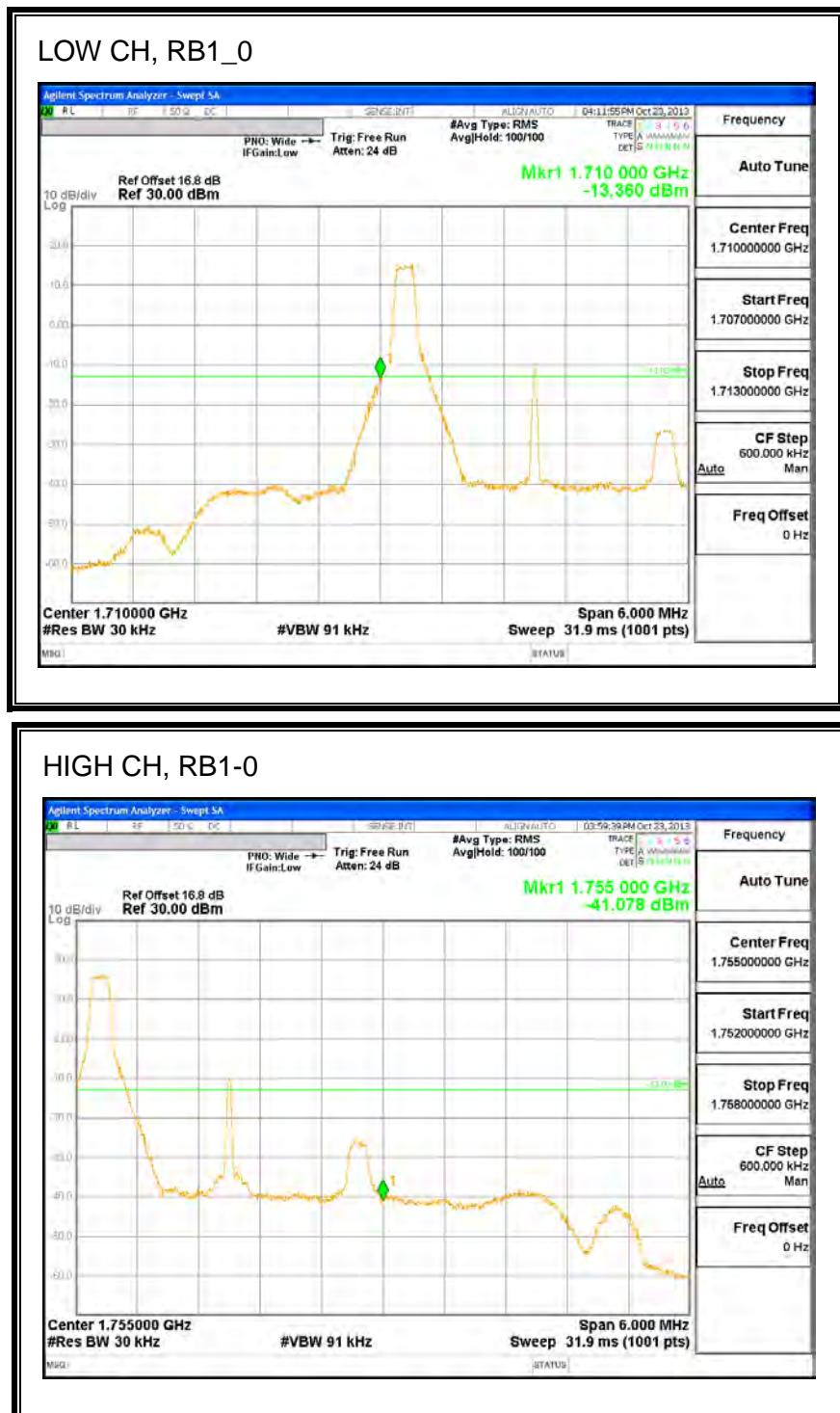


Band 4 (1.4 MHz BANDWIDTH)**LTE 16QAM**







Band 4 (3 MHz BANDWIDTH)**LTE QPSK**

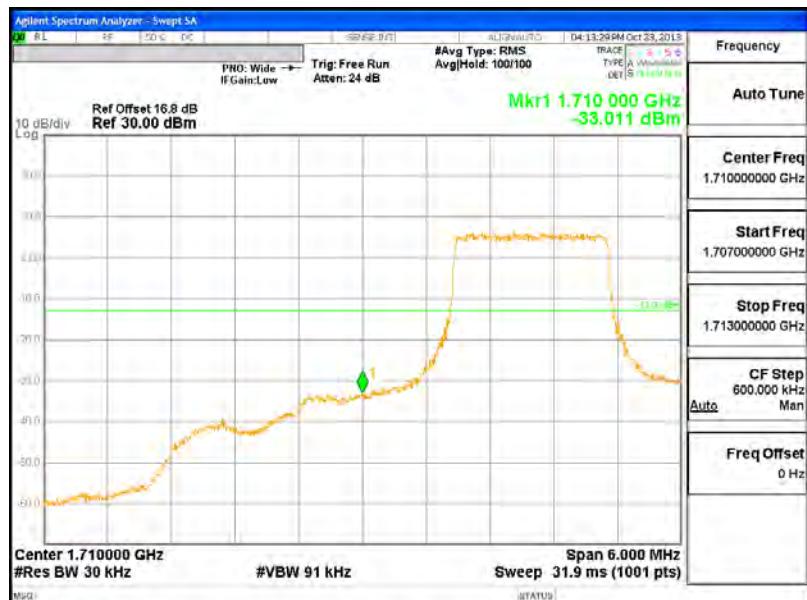
LOW CH, RB1-14



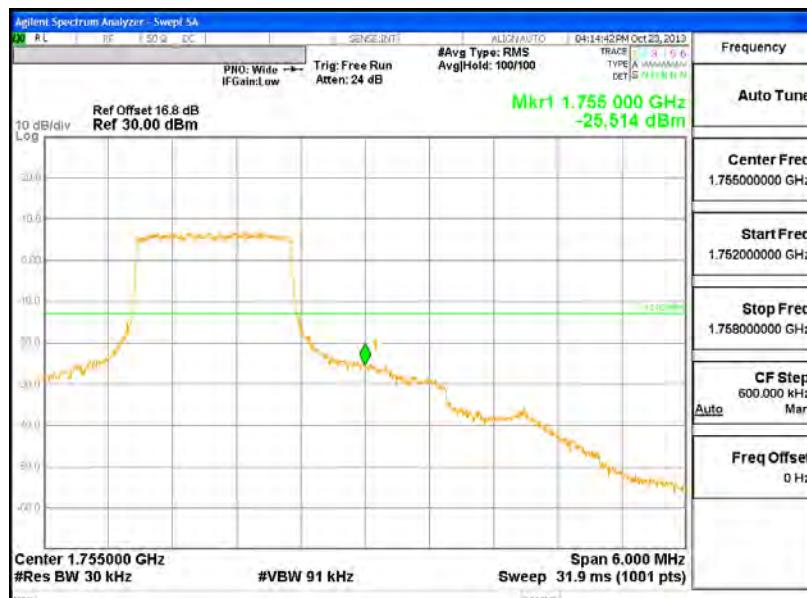
HIGH CH, RB1-14

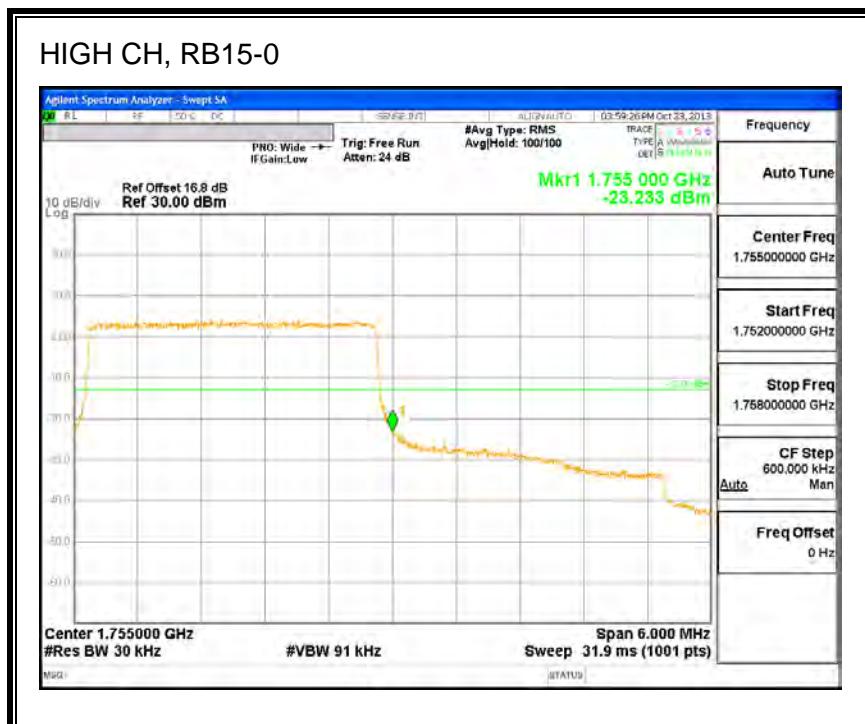
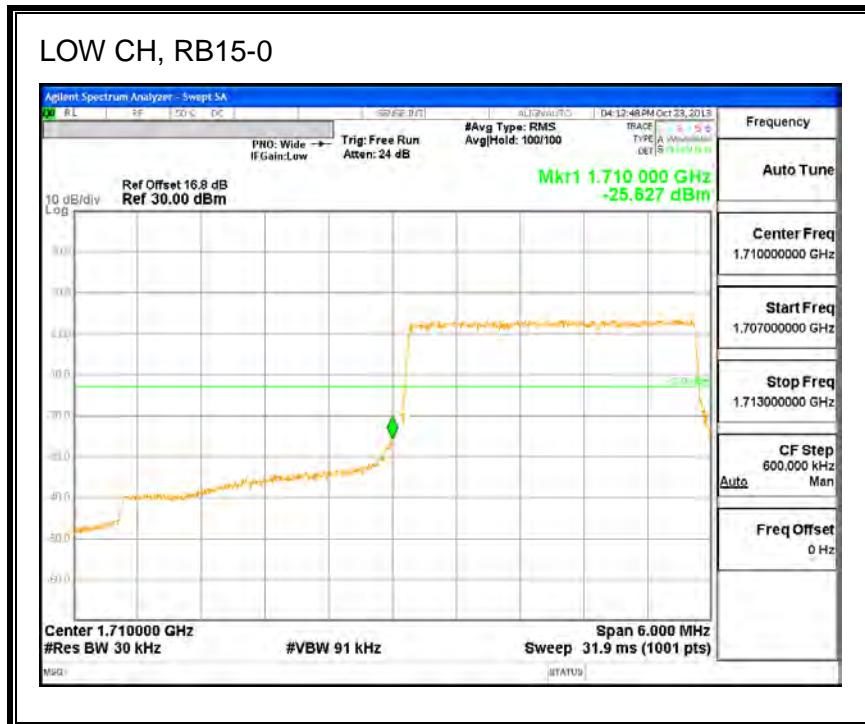


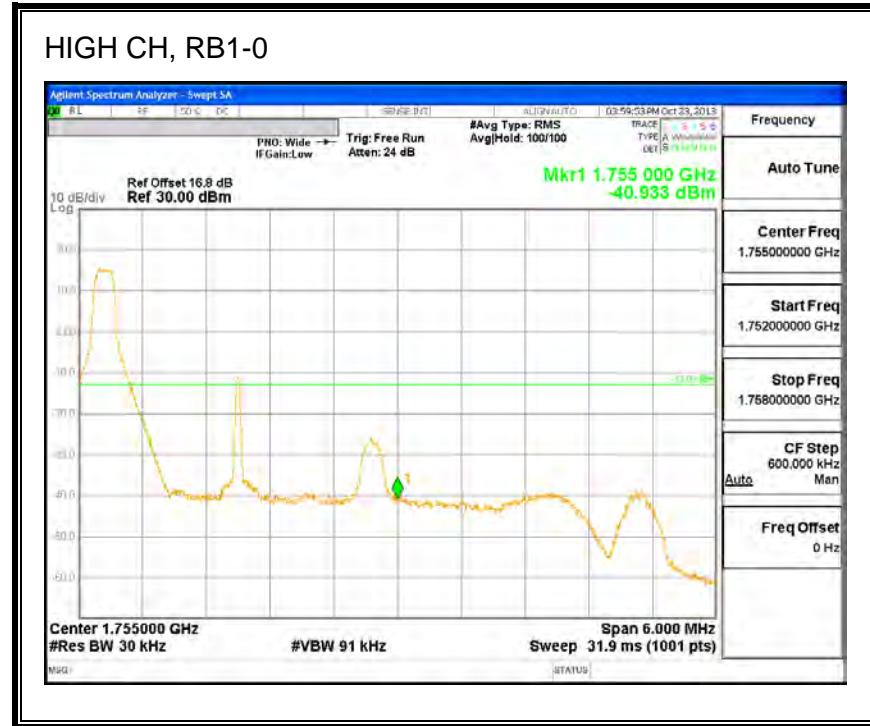
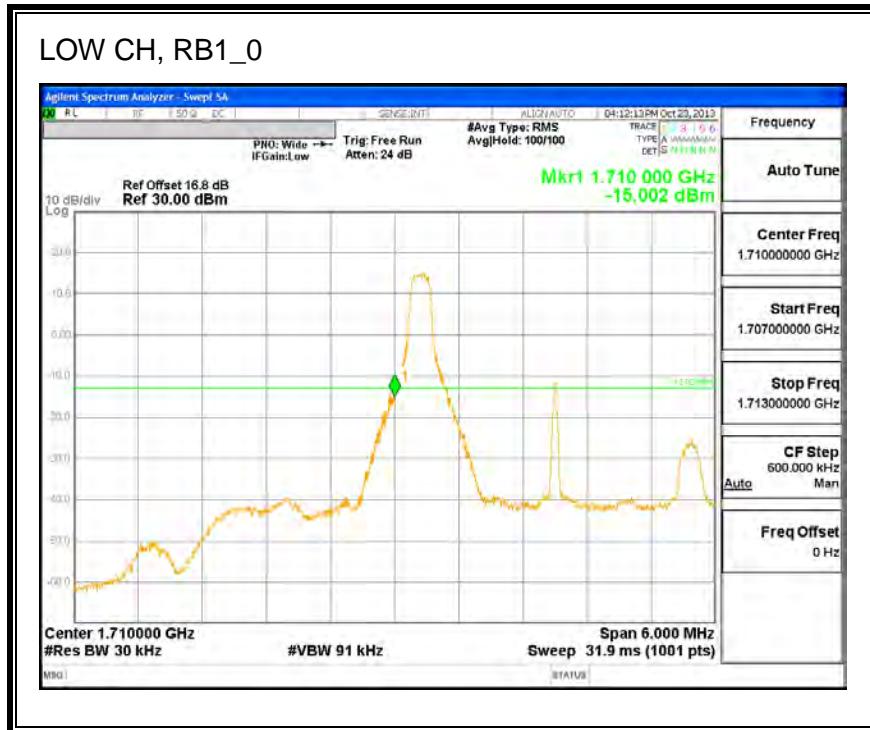
LOW CH, RB8-4

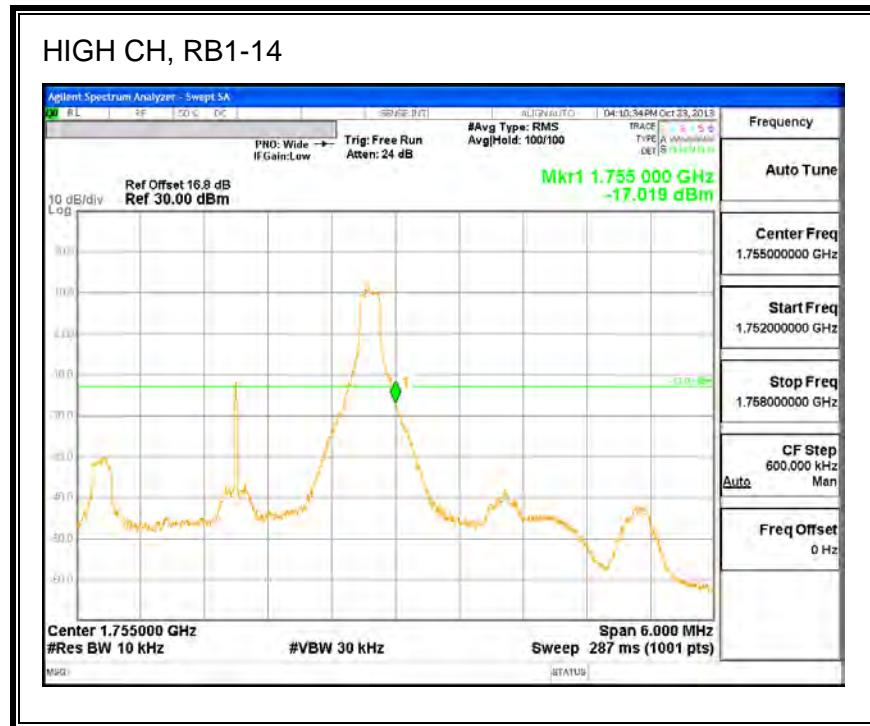
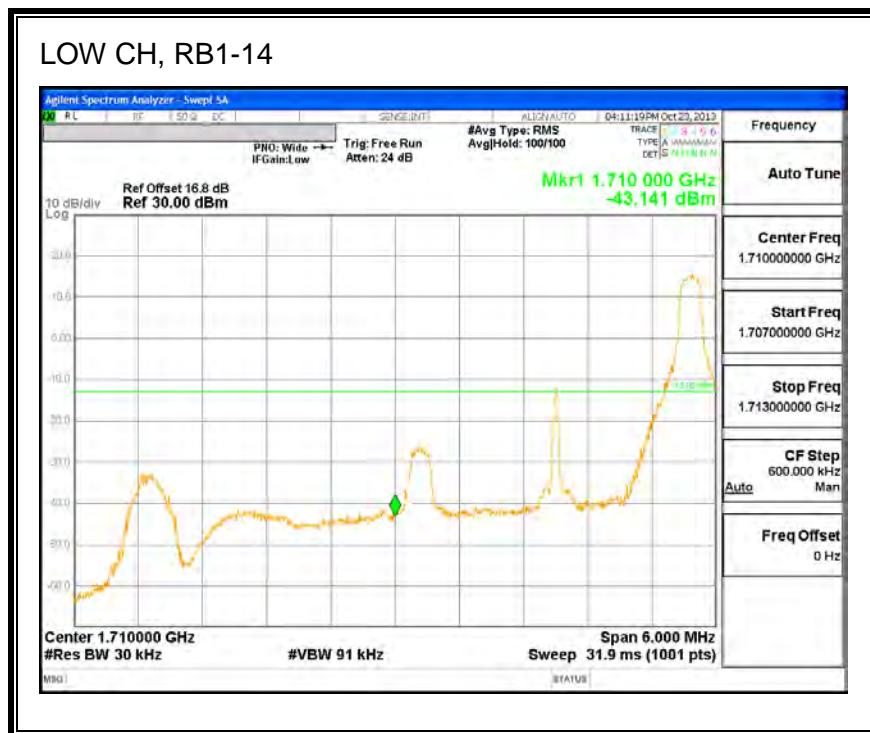


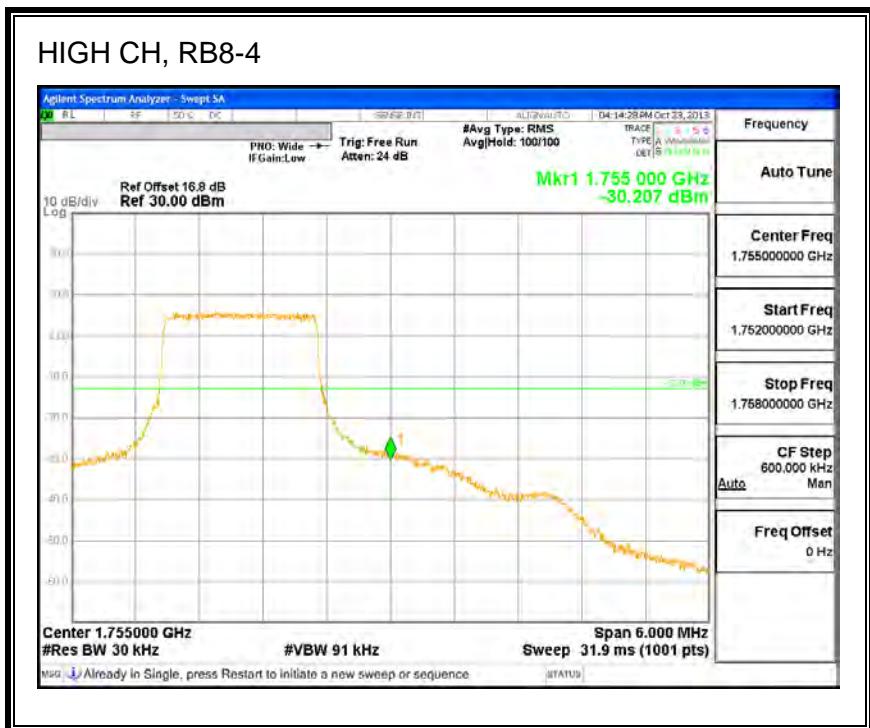
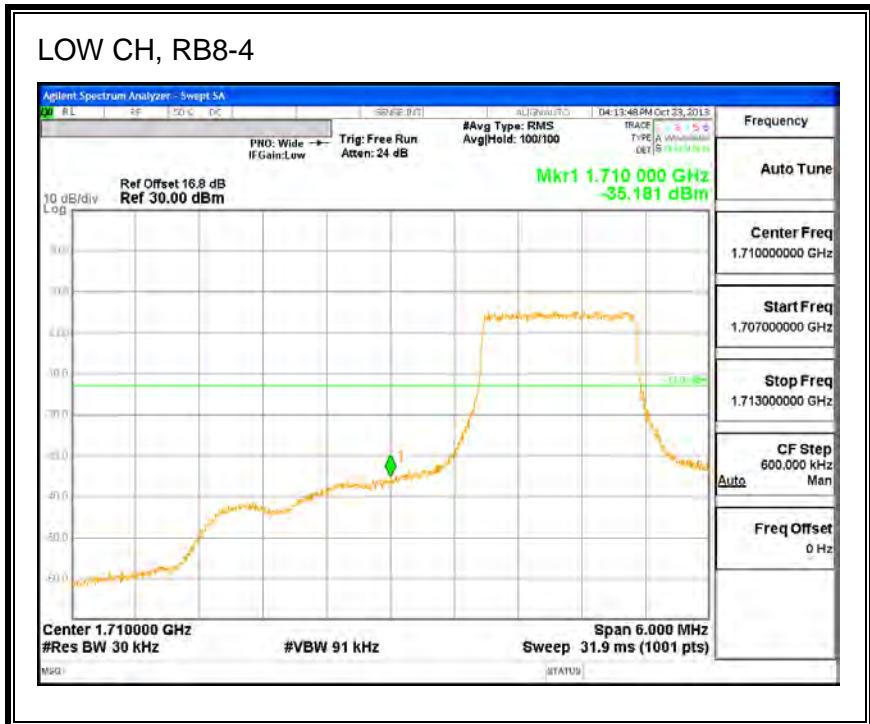
HIGH CH, RB8-4





Band 4 (3MHz BANDWIDTH)**LTE 16QAM**

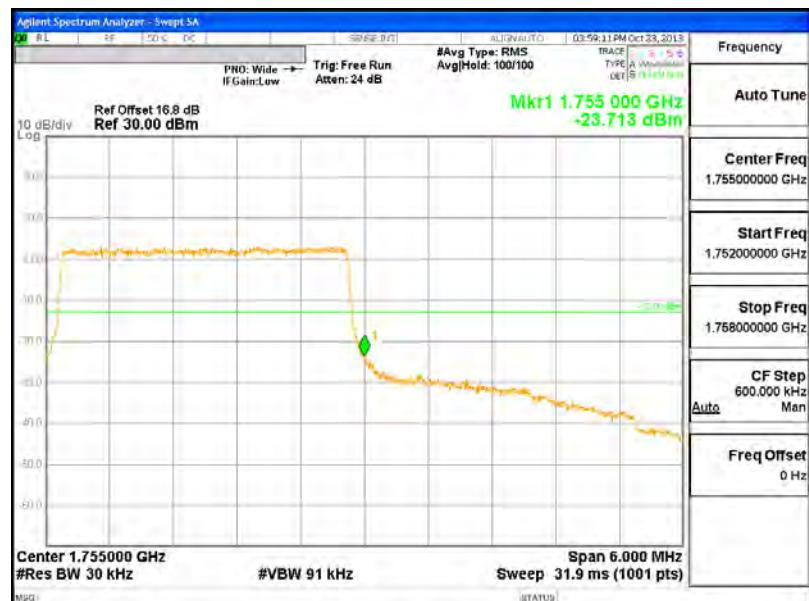


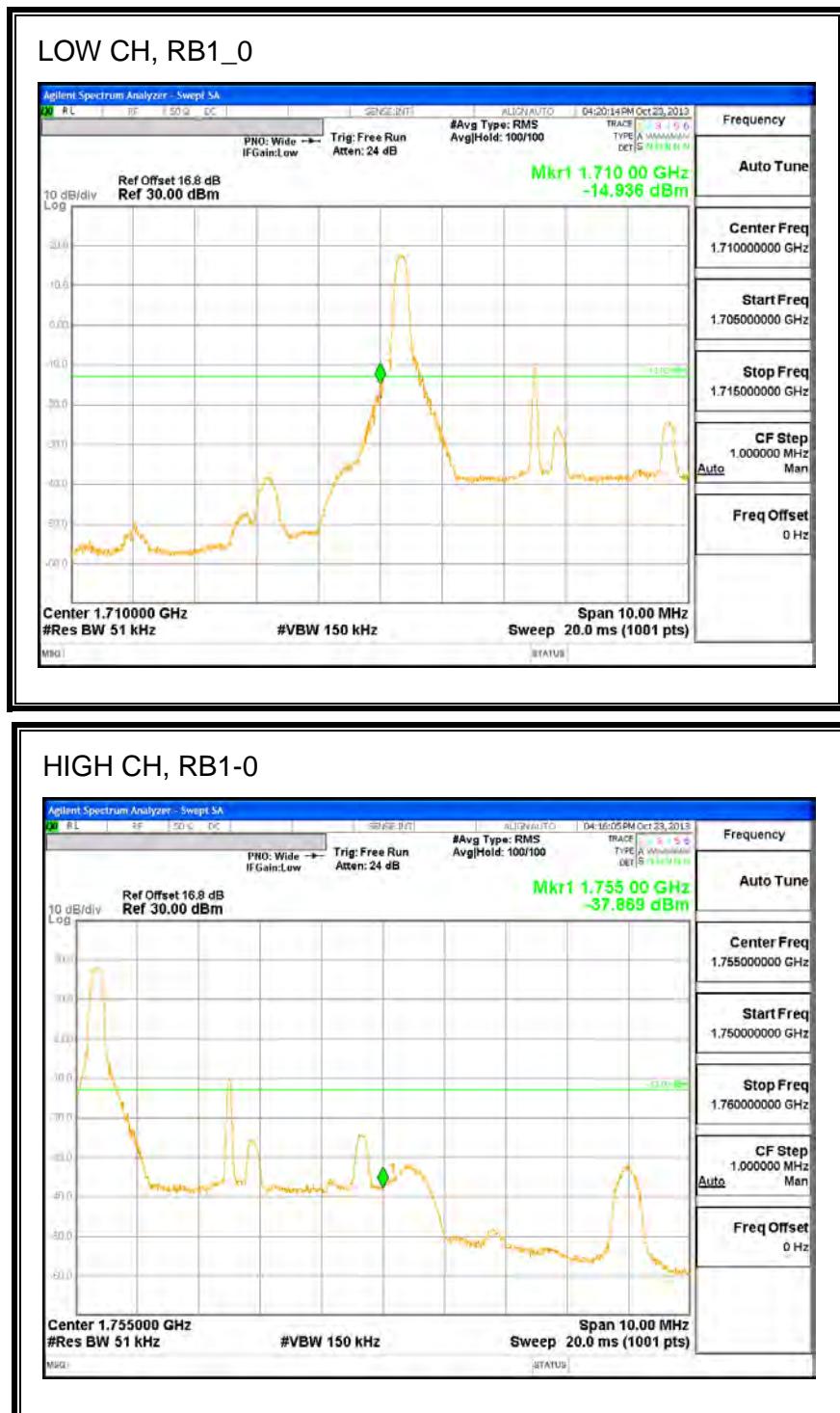


LOW CH, RB15-0



HIGH CH, RB15-0

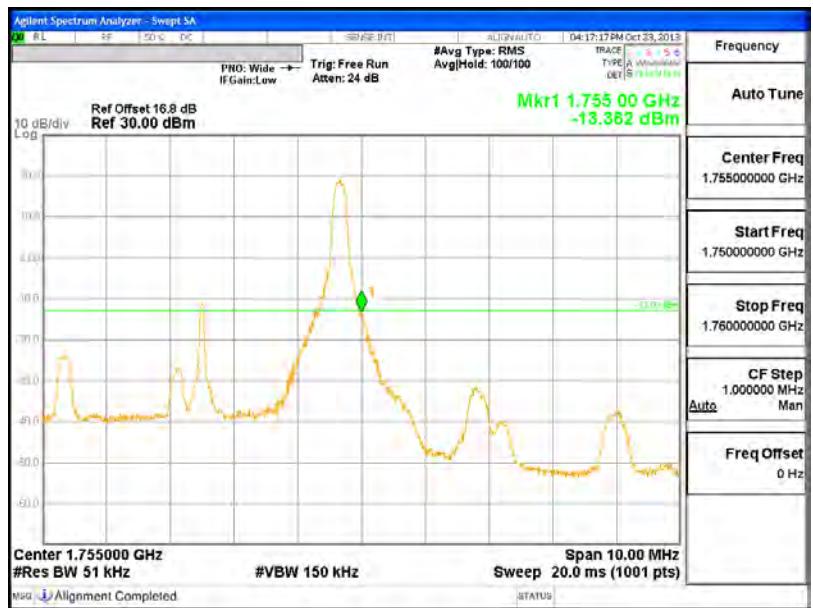


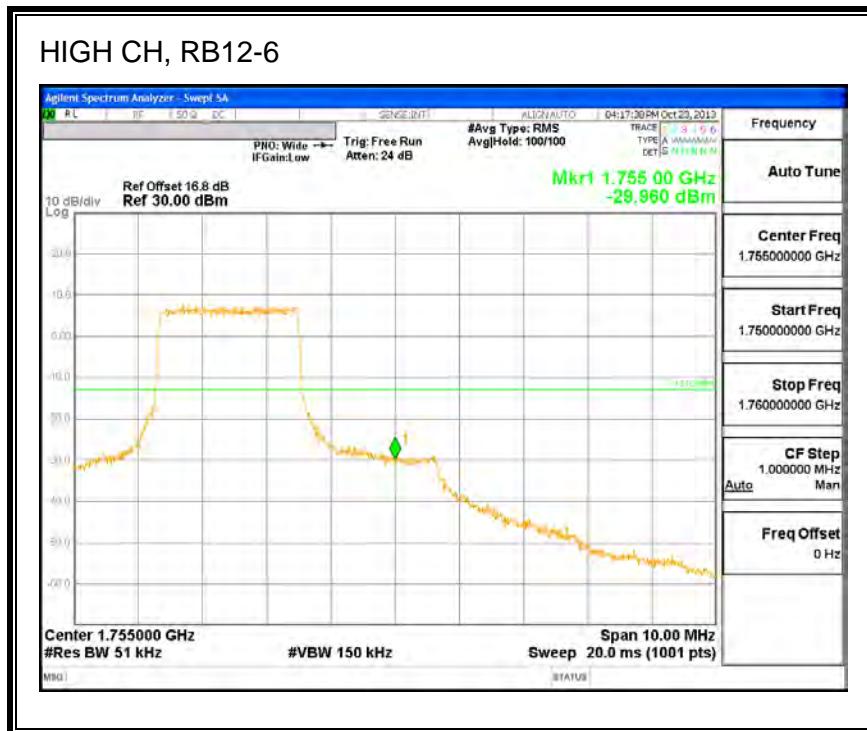
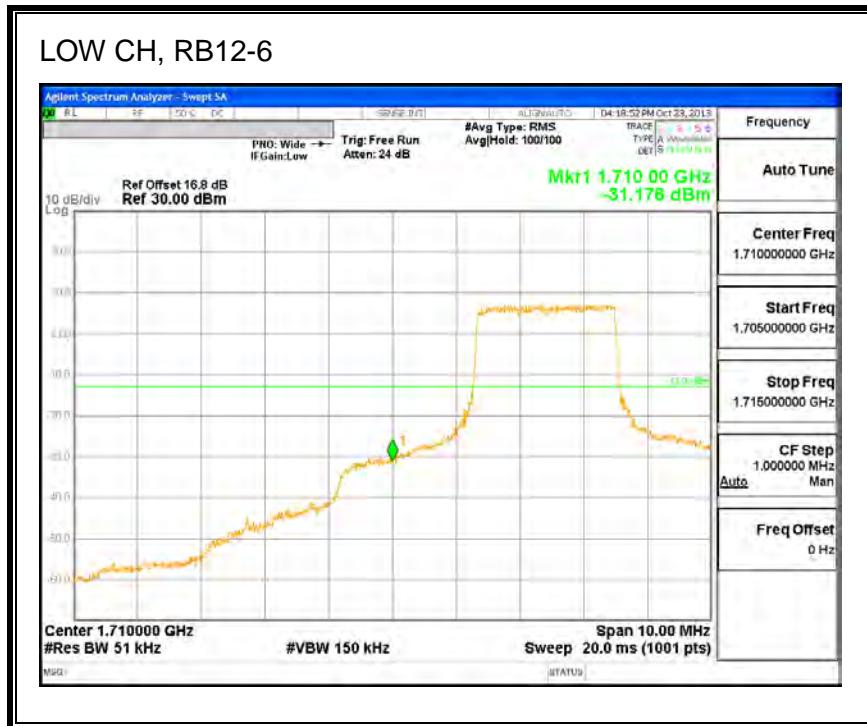
Band 4 (5MHz BANDWIDTH)**LTE QPSK**

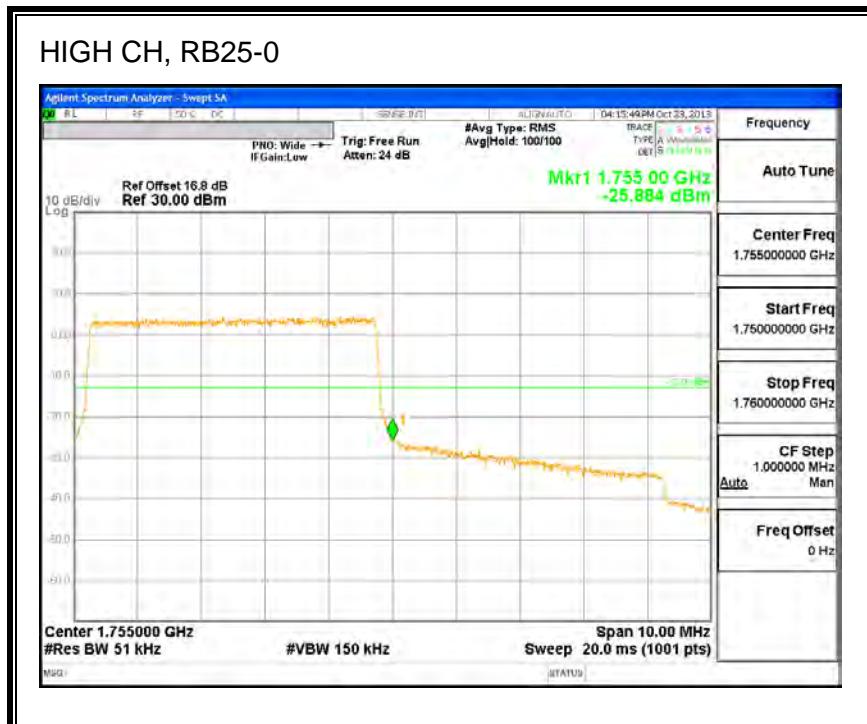
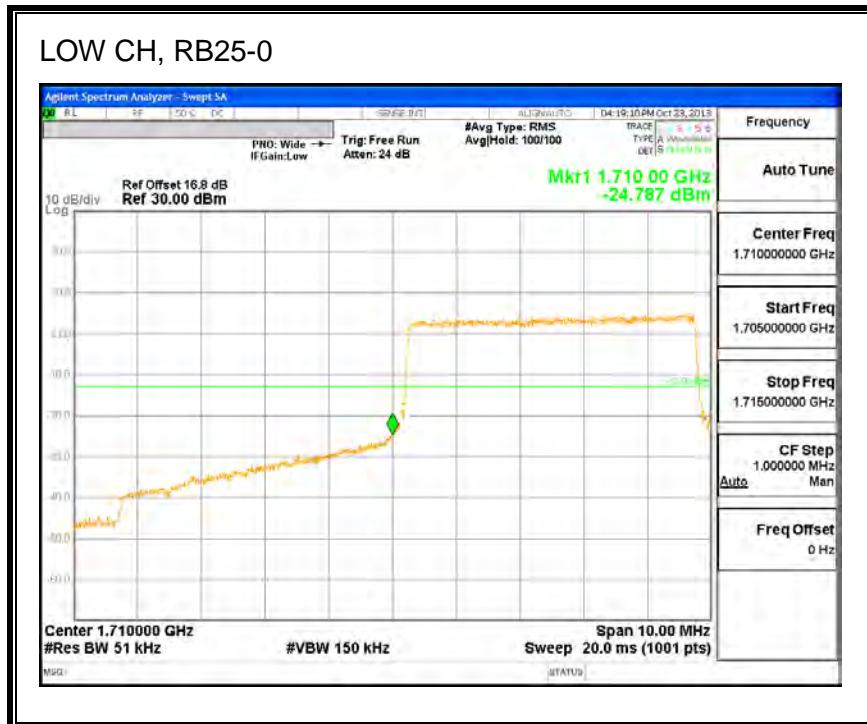
LOW CH, RB1-24



HIGH CH, RB1-24

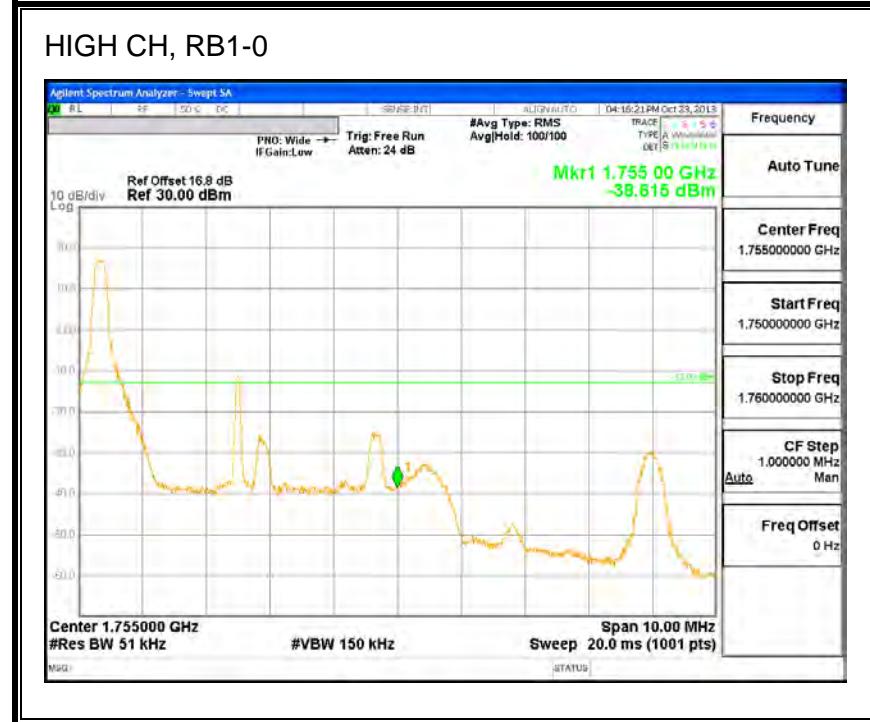
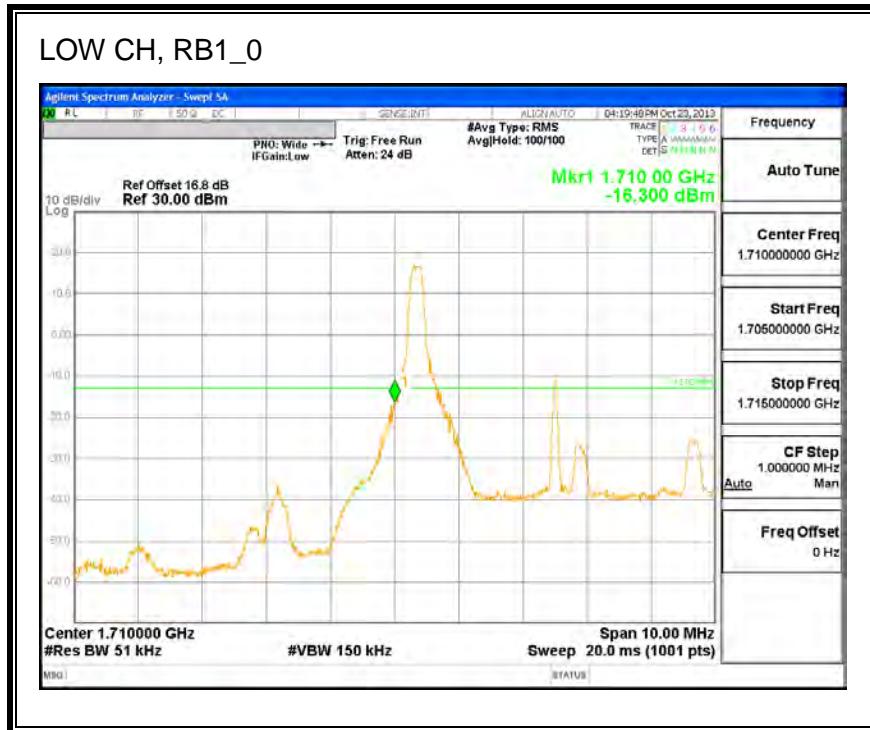


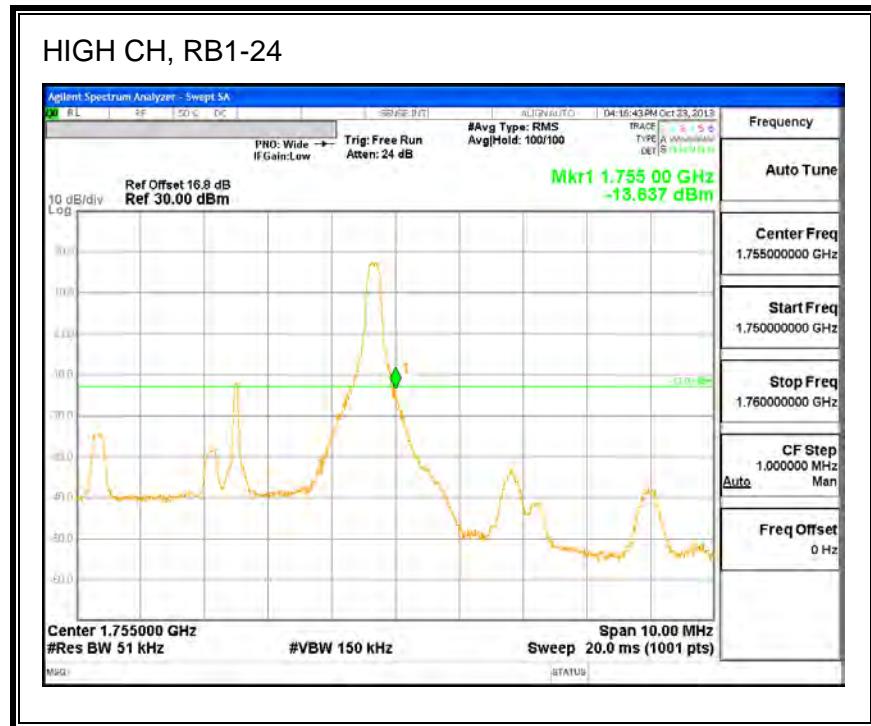
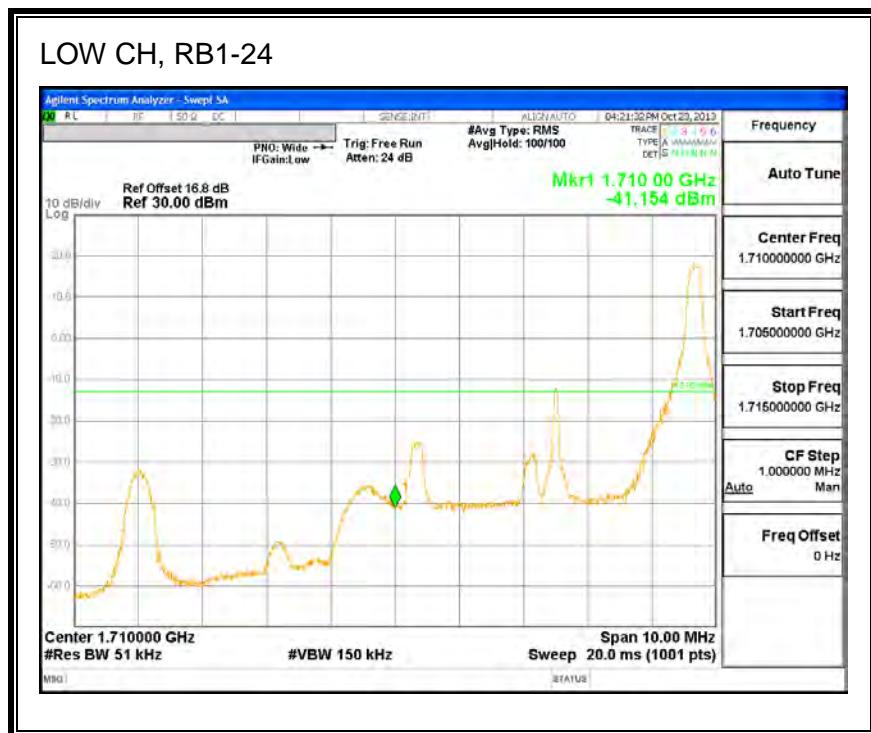


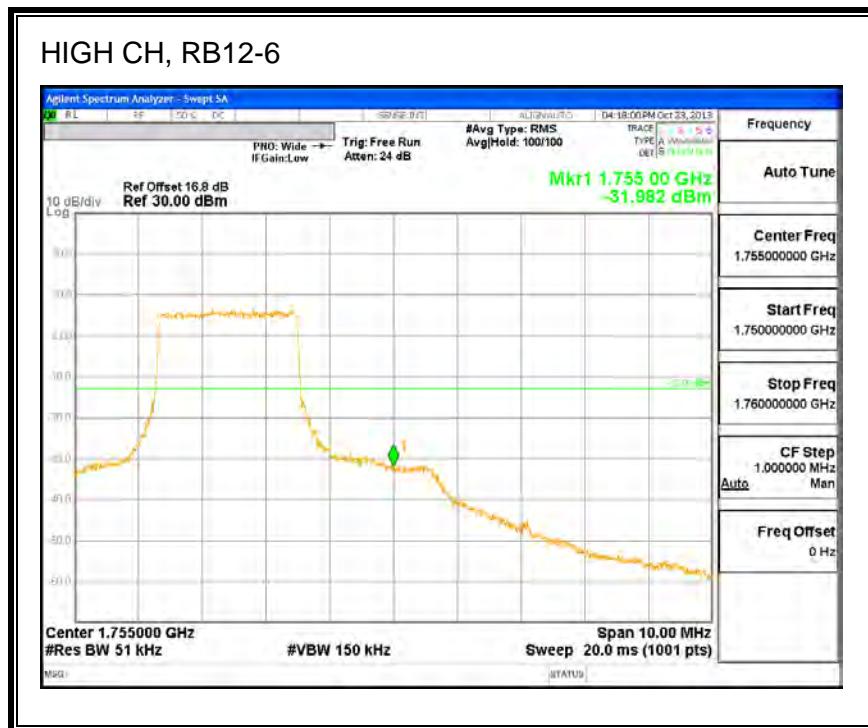
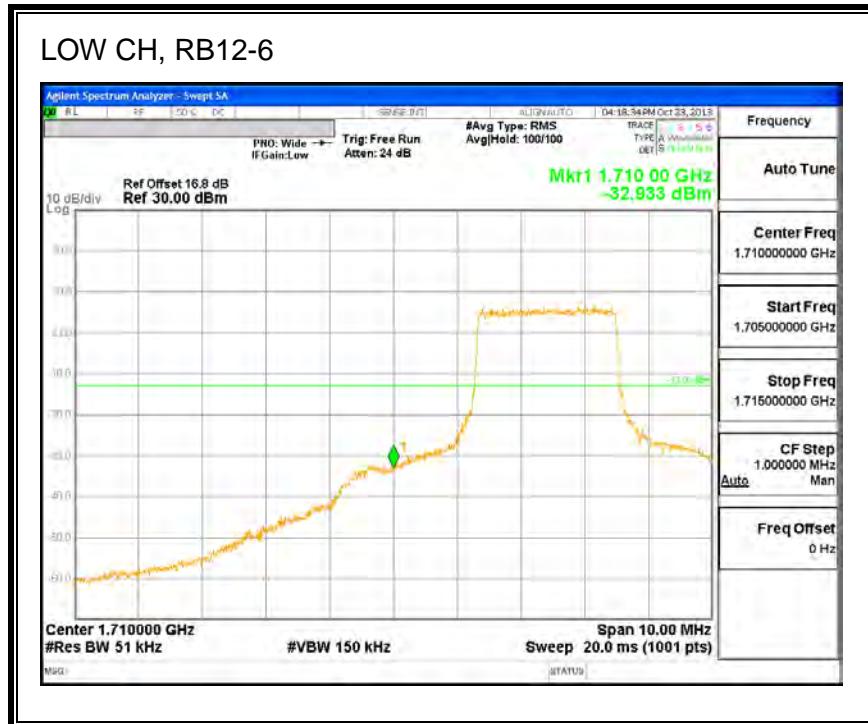


Band 4 (5MHz BANDWIDTH)

LTE 16QAM





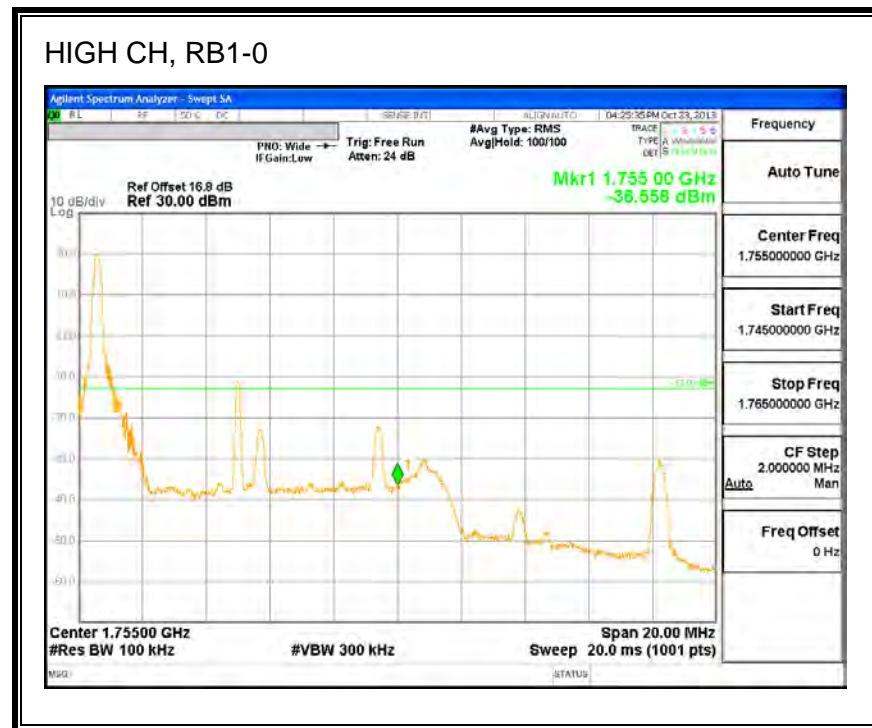
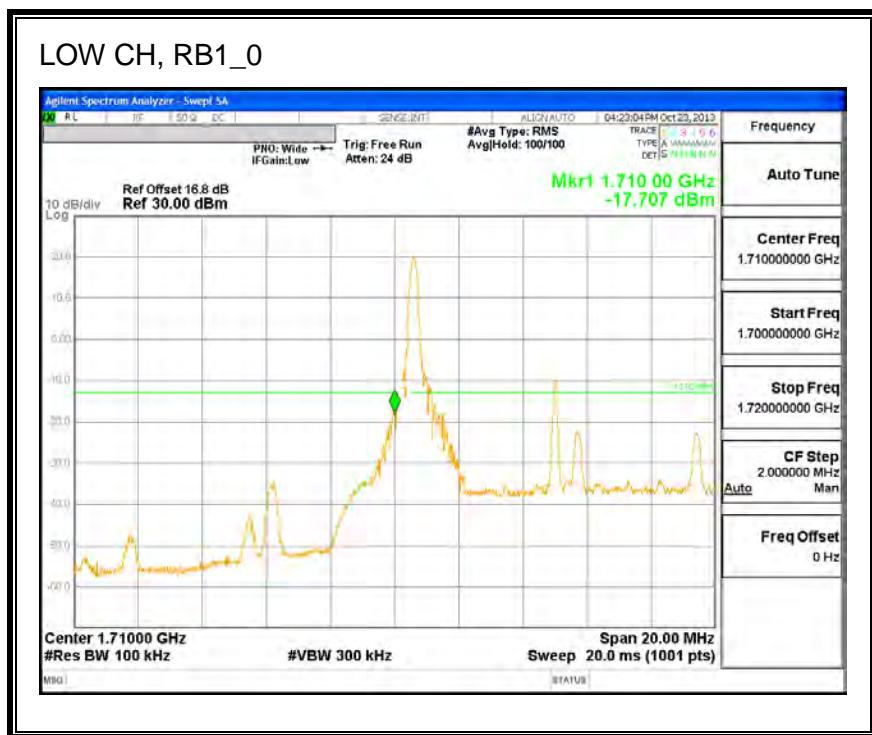


LOW CH, RB25-0

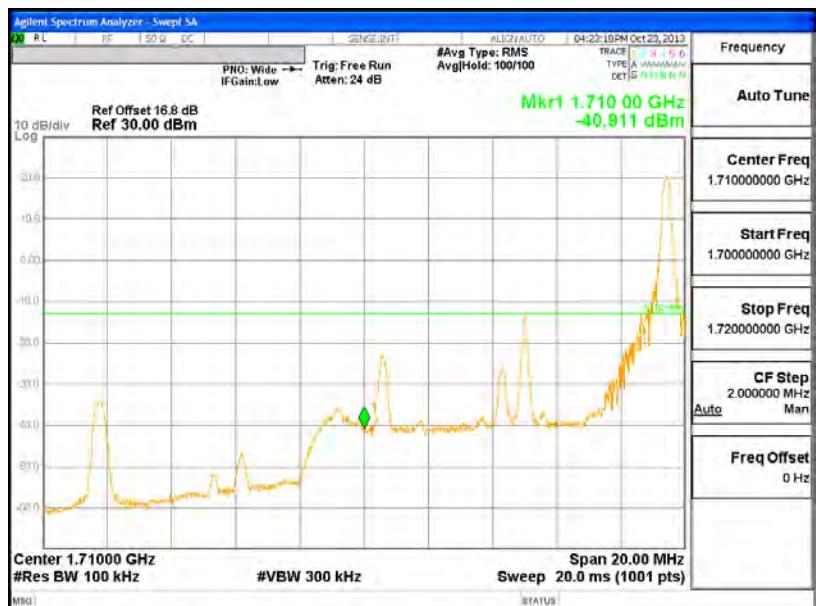


HIGH CH, RB25-0

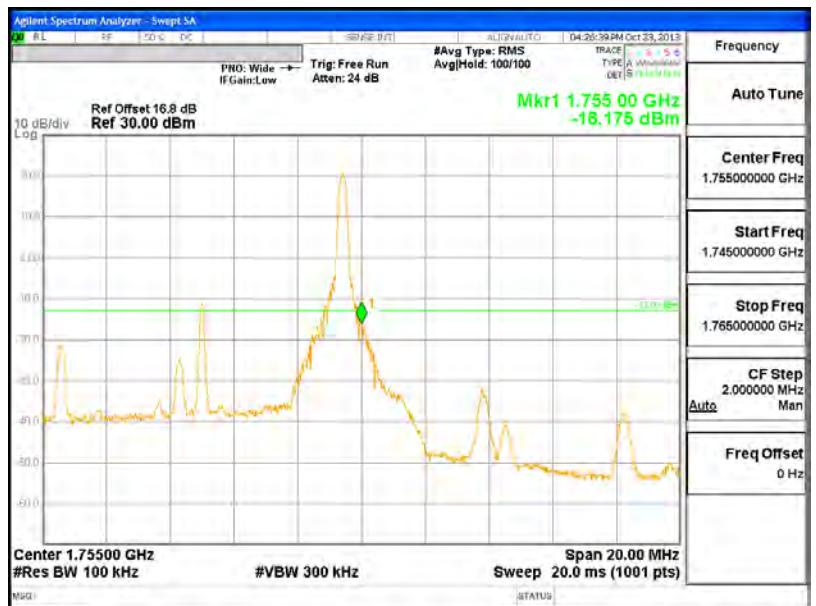


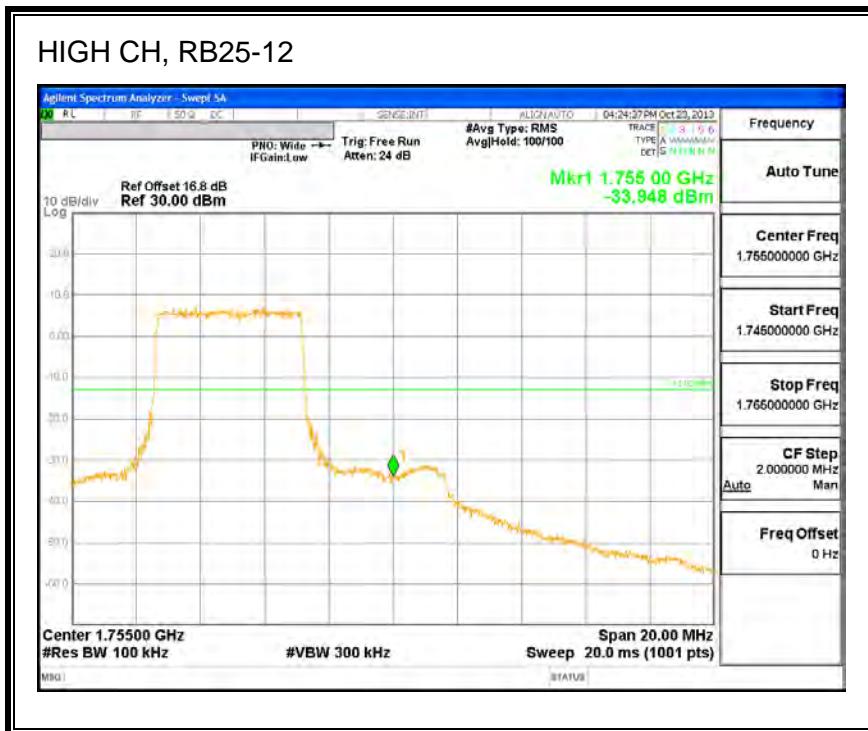
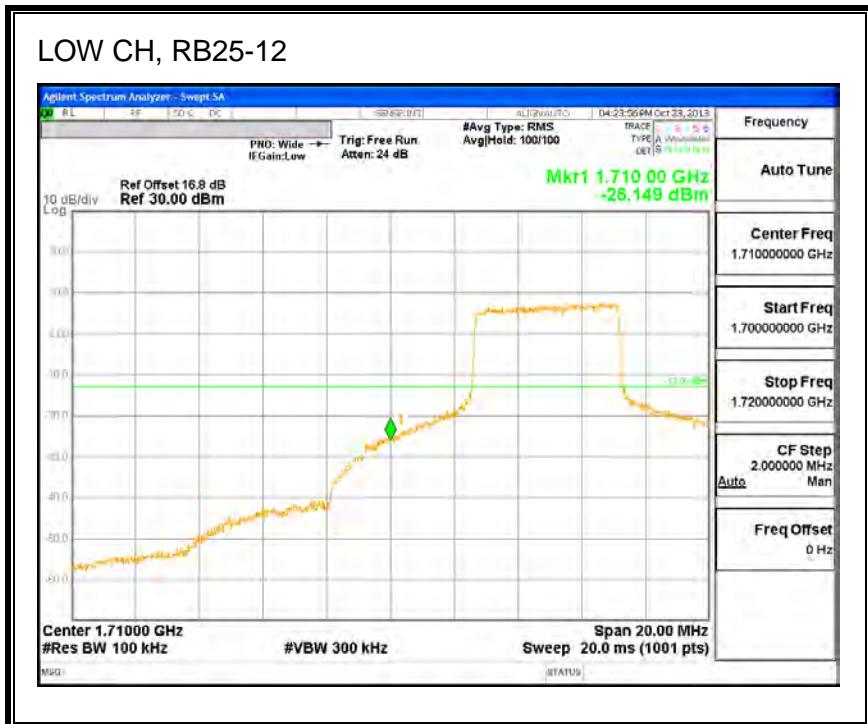
Band 4 (10MHz BANDWIDTH)**LTE QPSK**

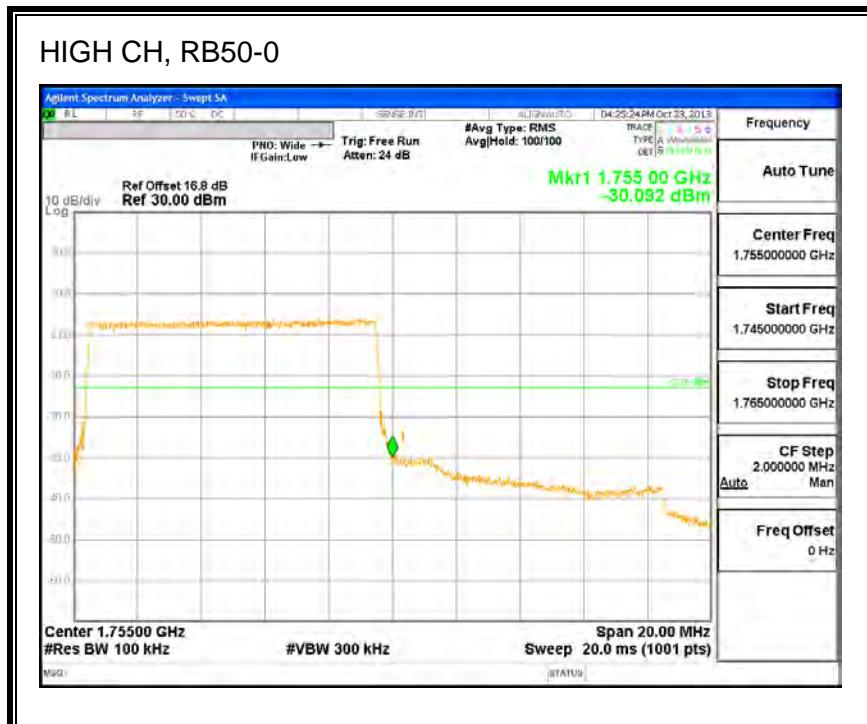
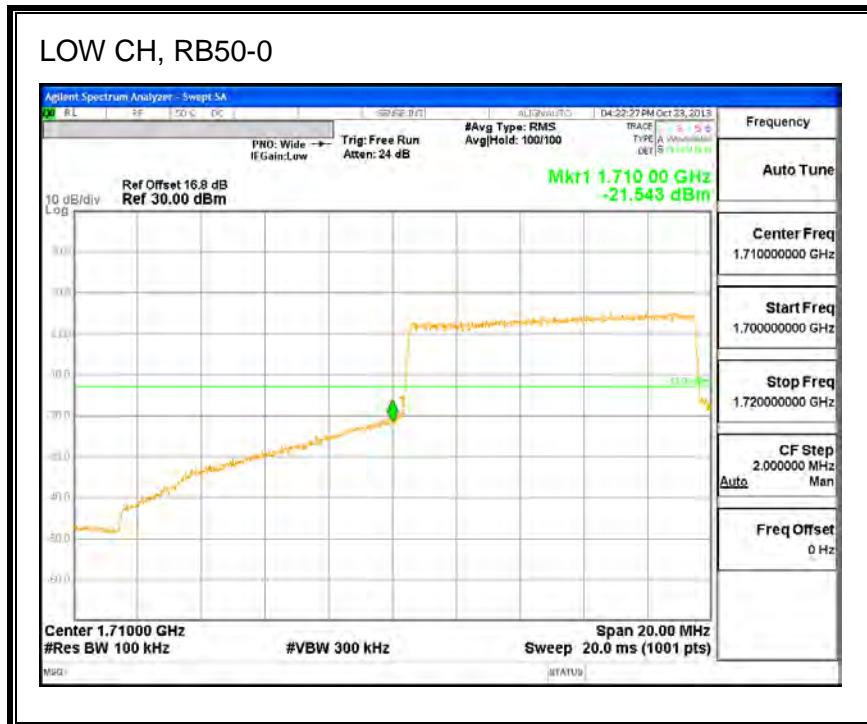
LOW CH, RB1-49

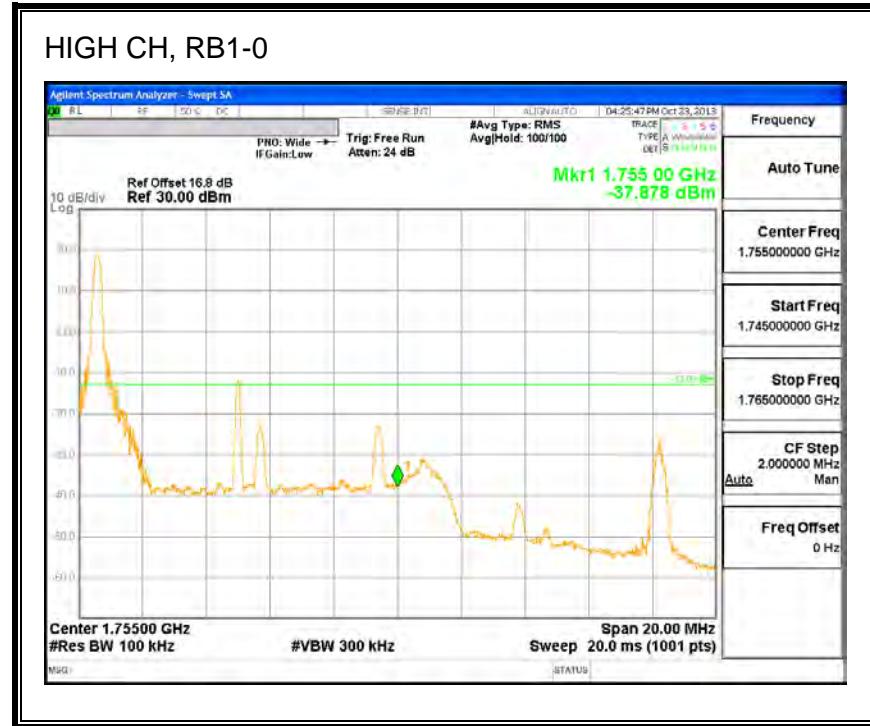
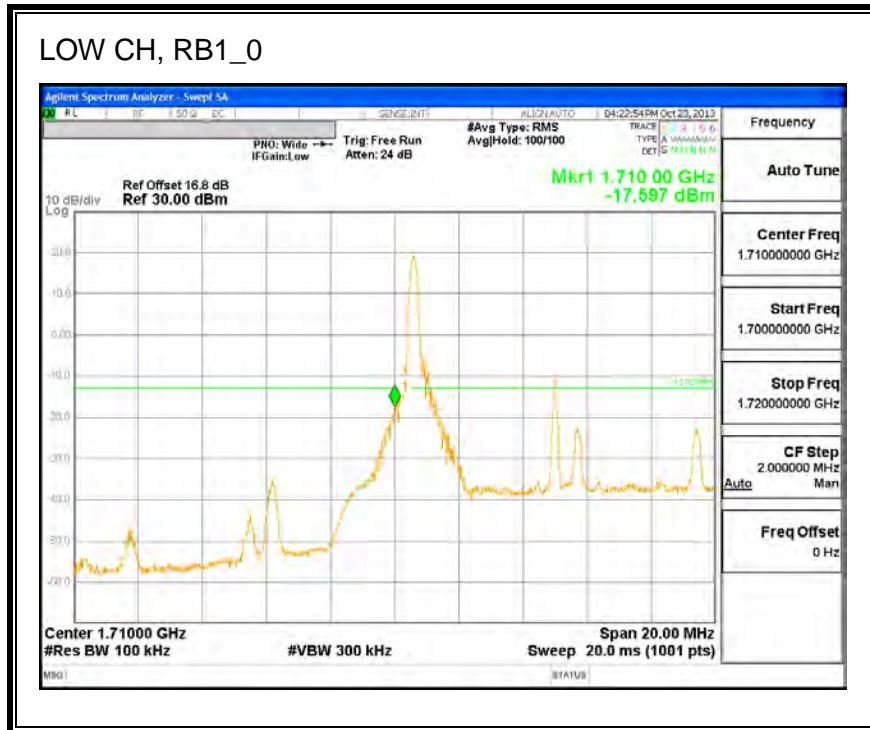


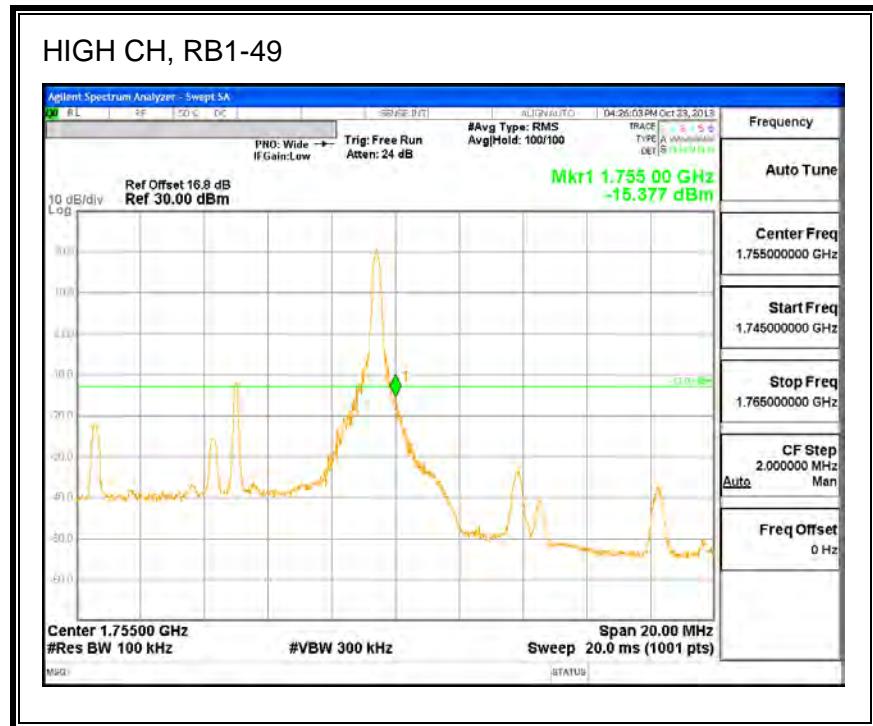
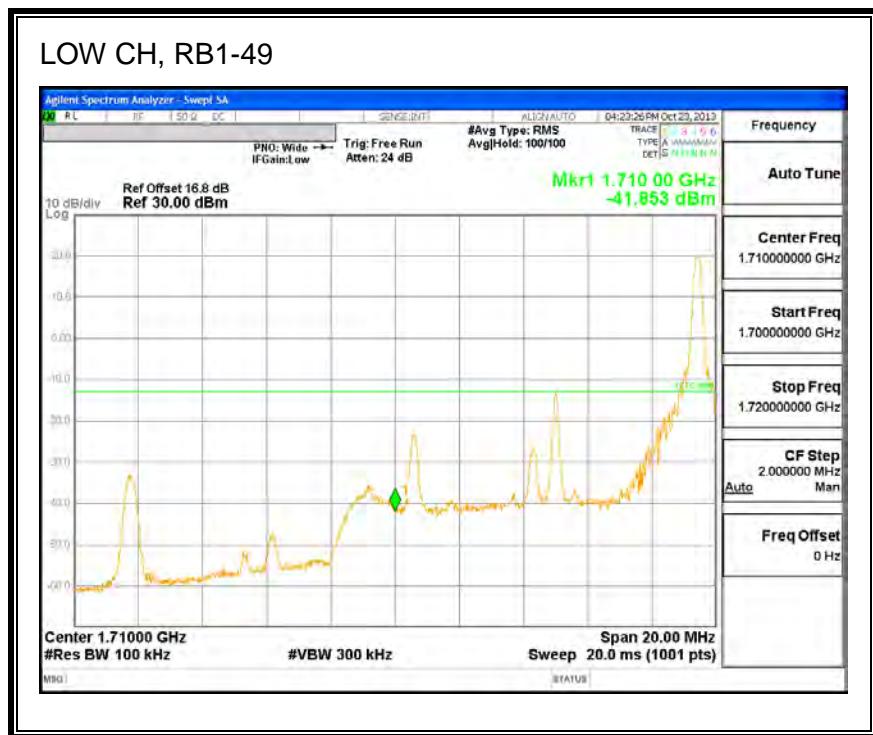
HIGH CH, RB1-49

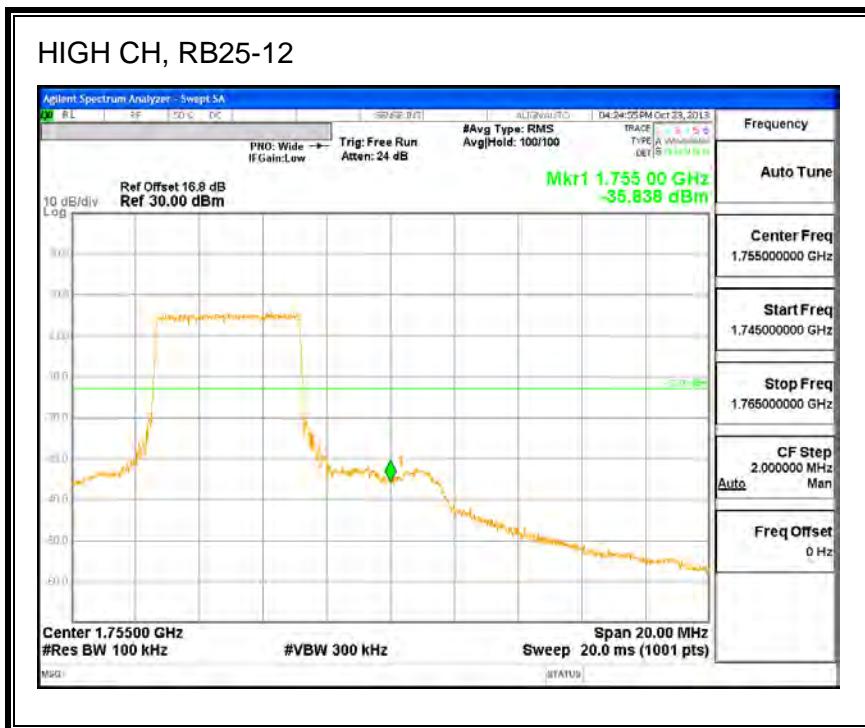
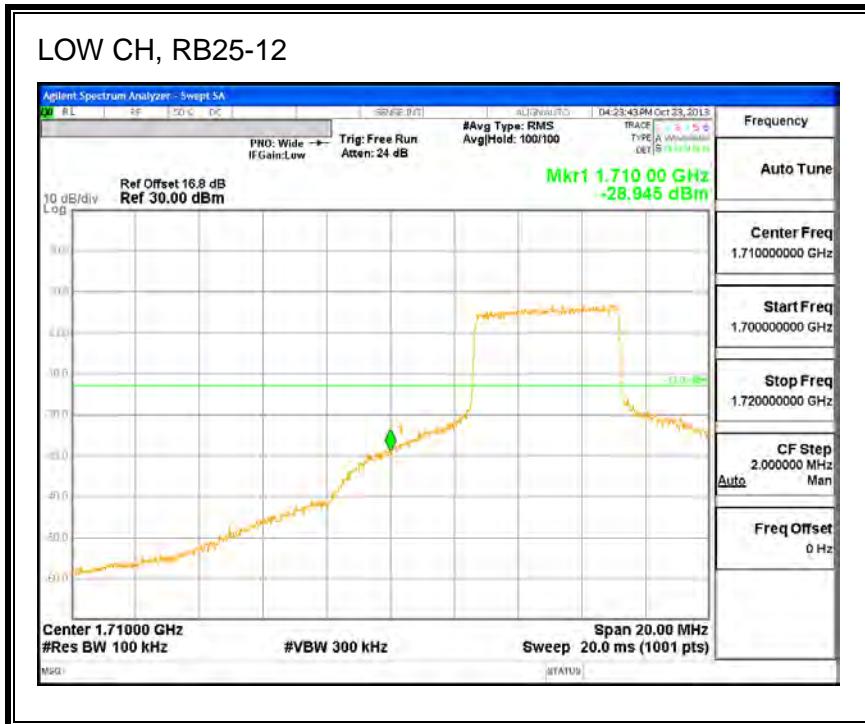




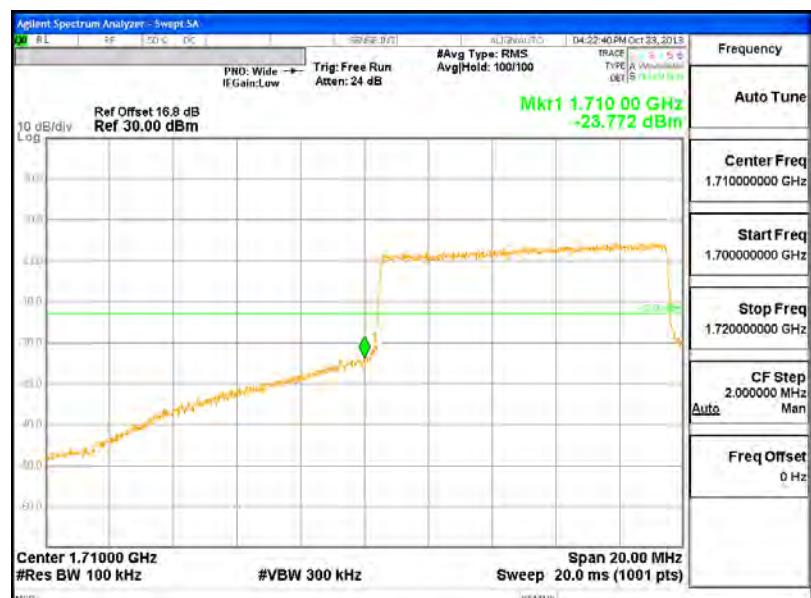


Band 4 (10MHz BANDWIDTH)**LTE 16QAM**



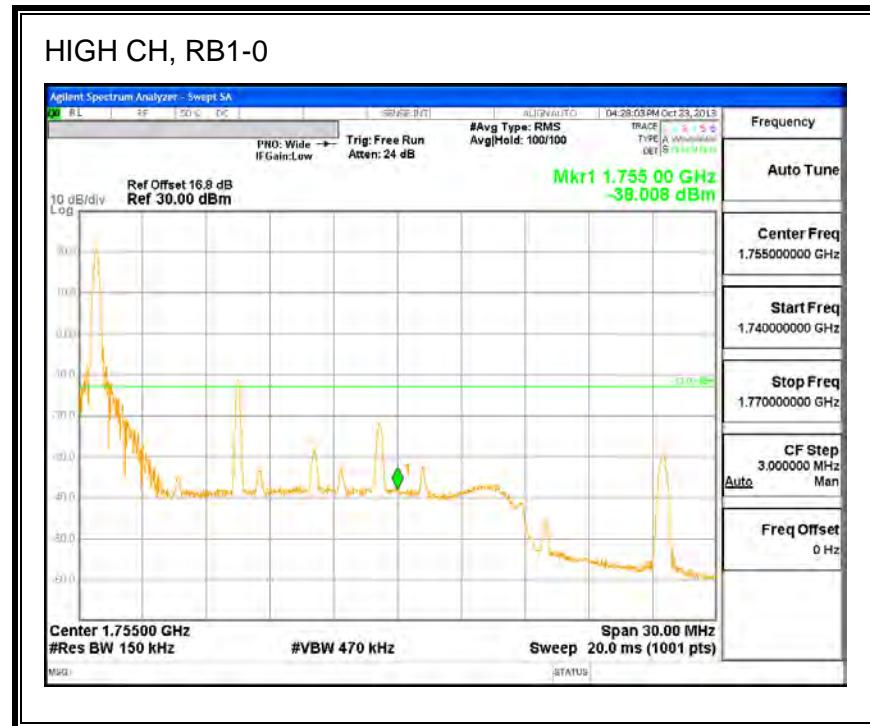
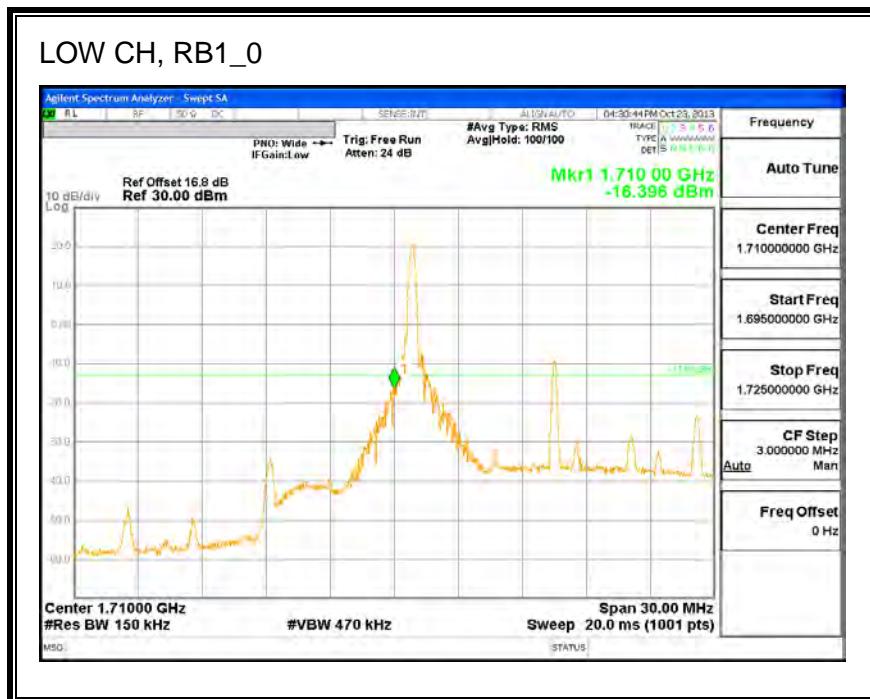


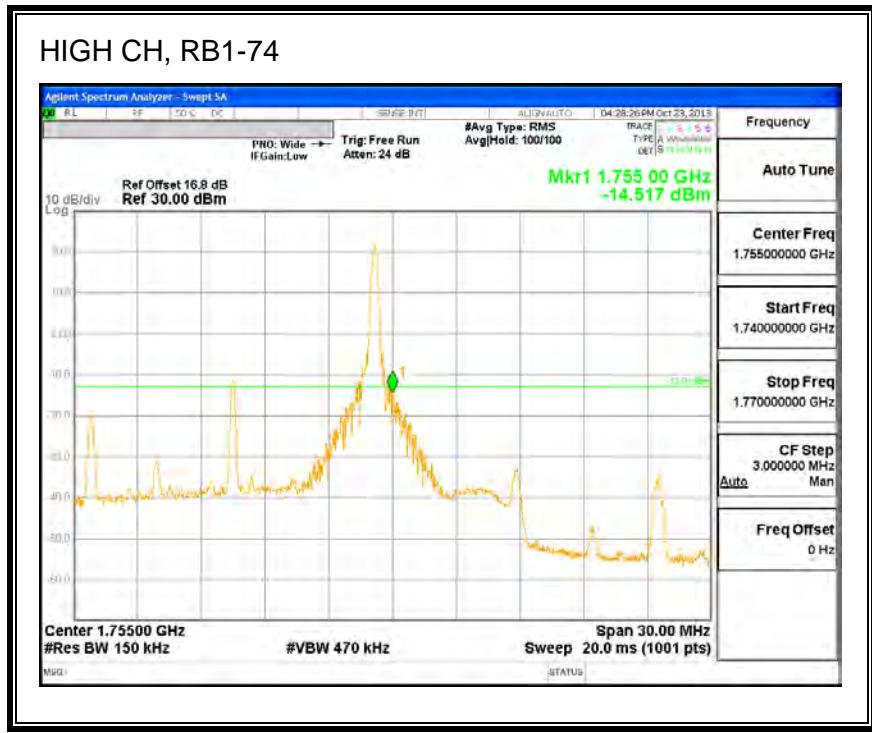
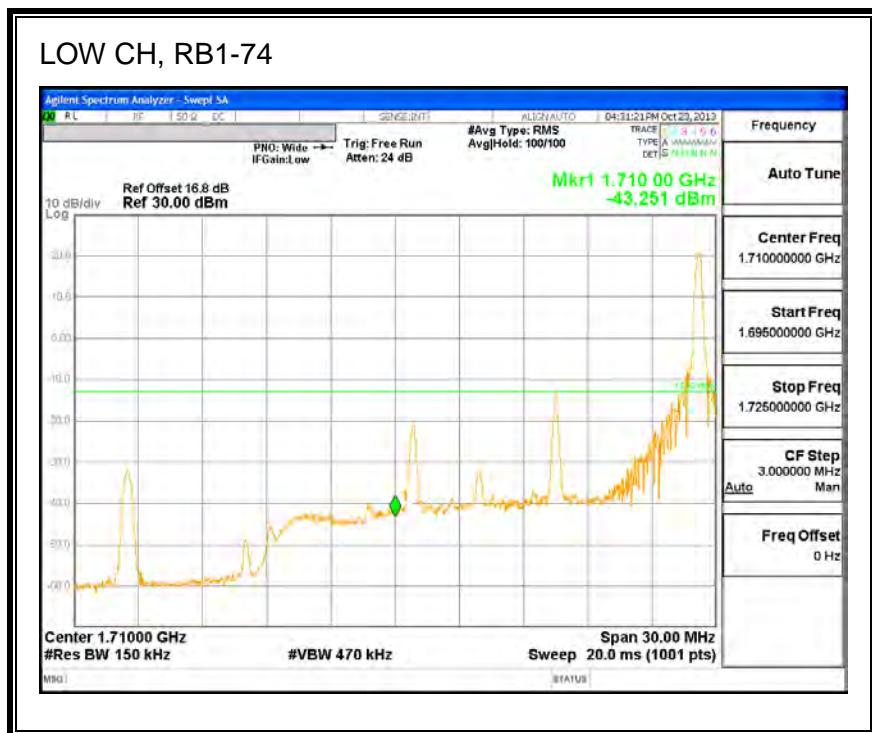
LOW CH, RB50-0

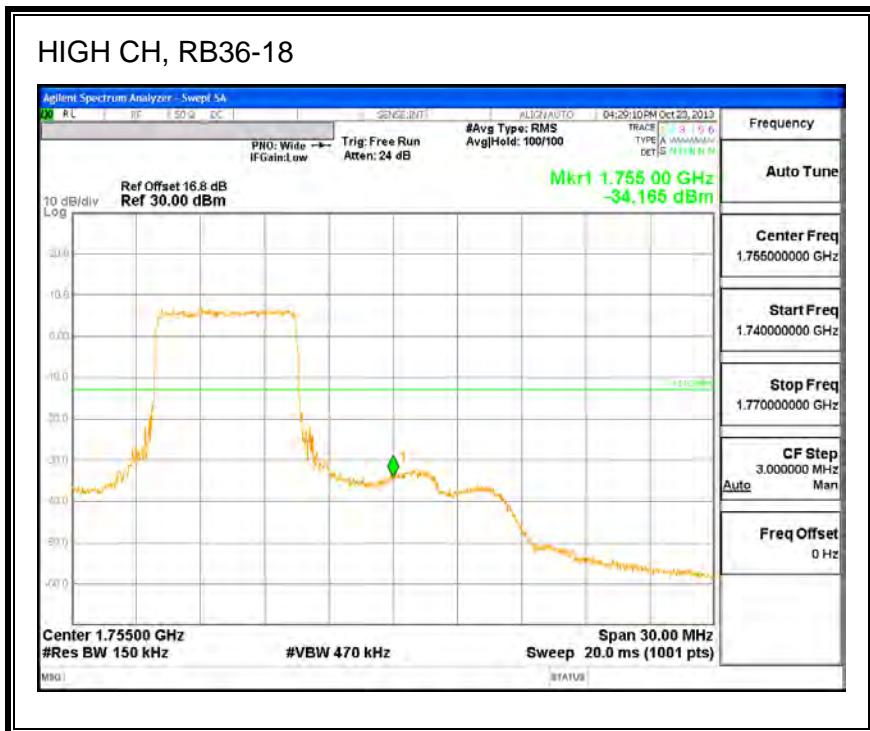
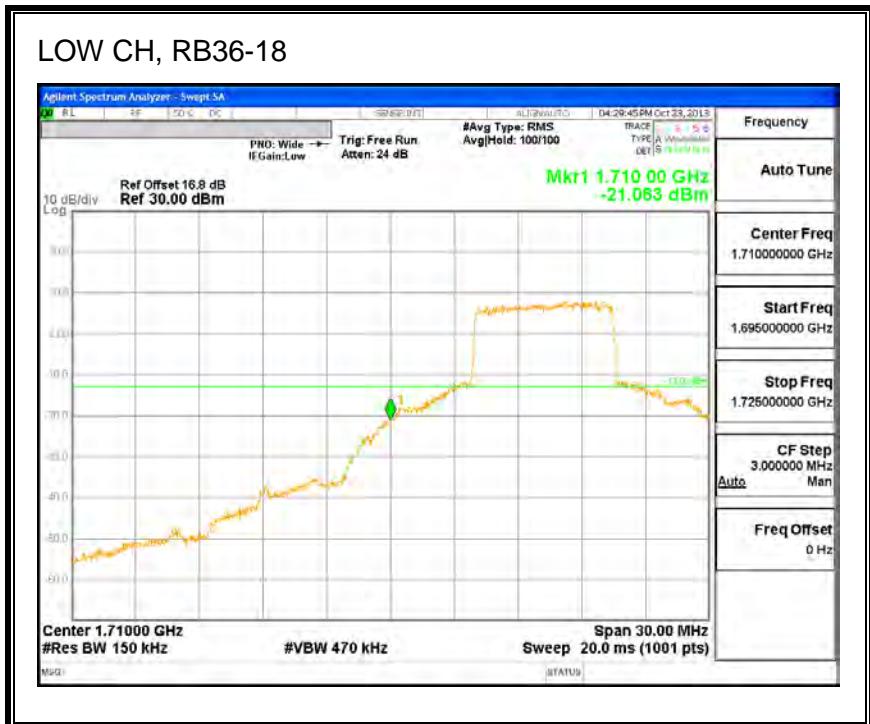


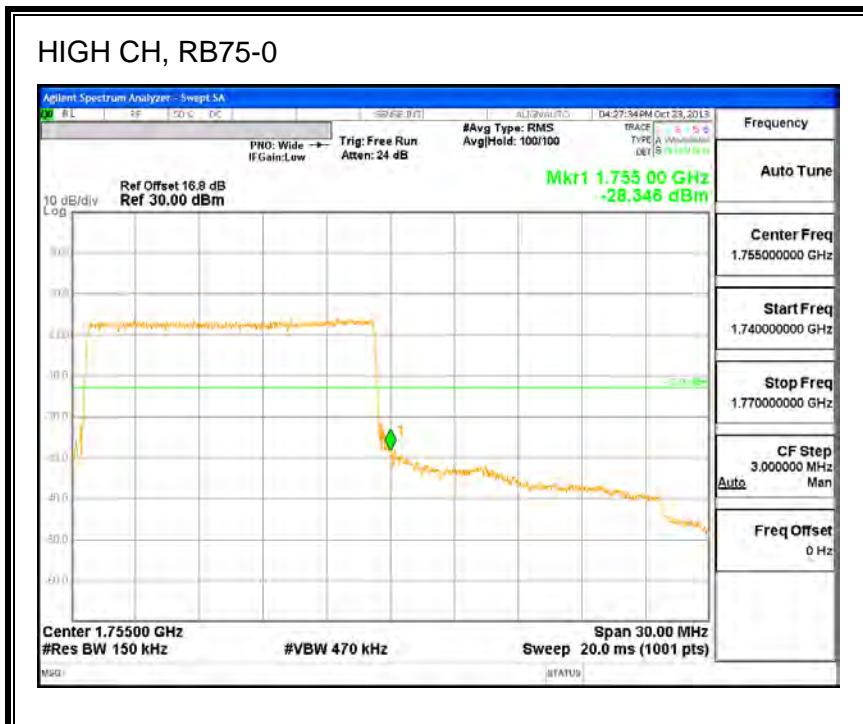
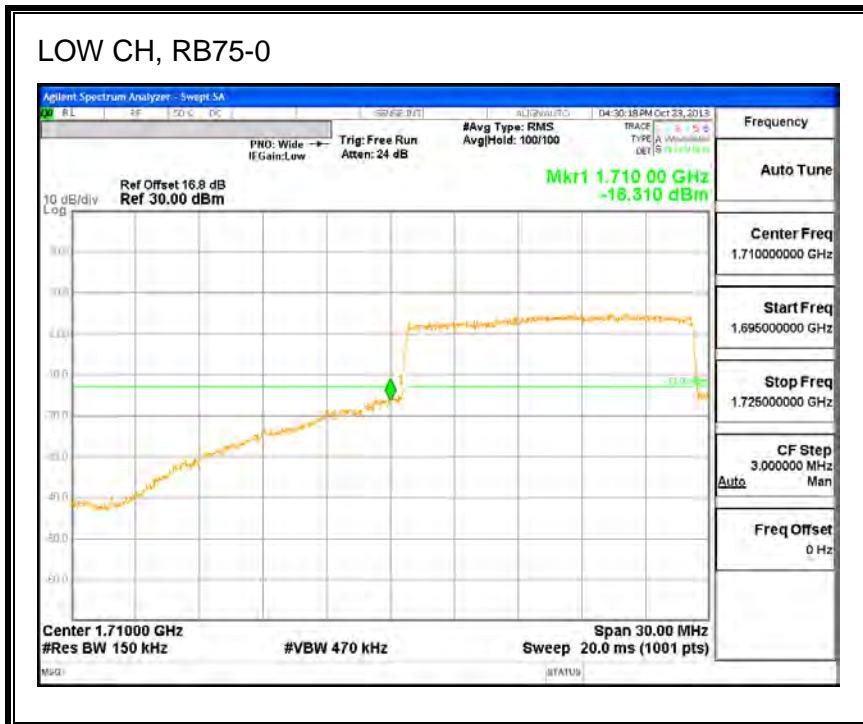
HIGH CH, RB50-0

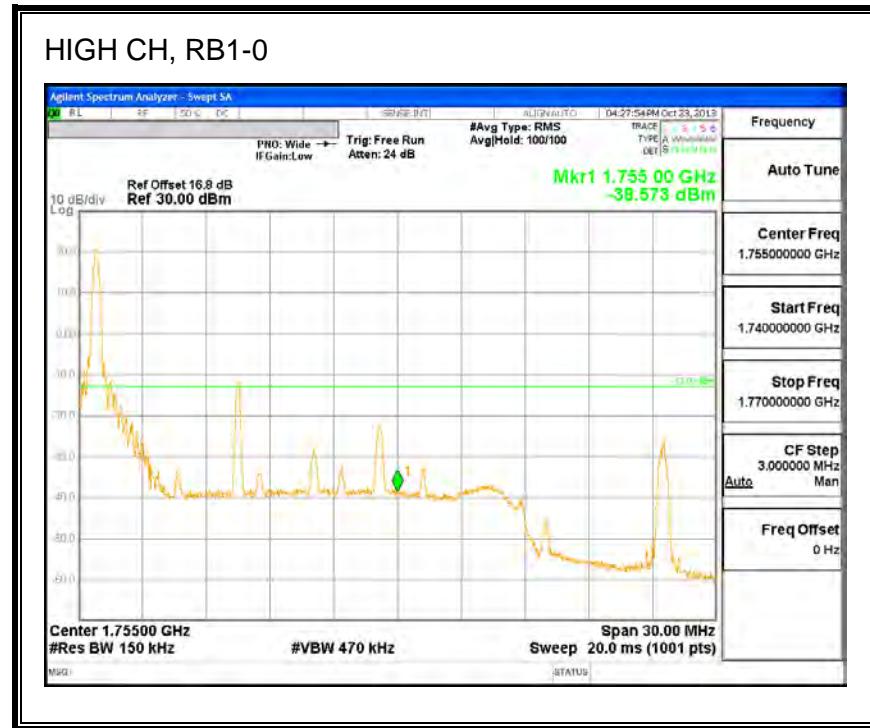
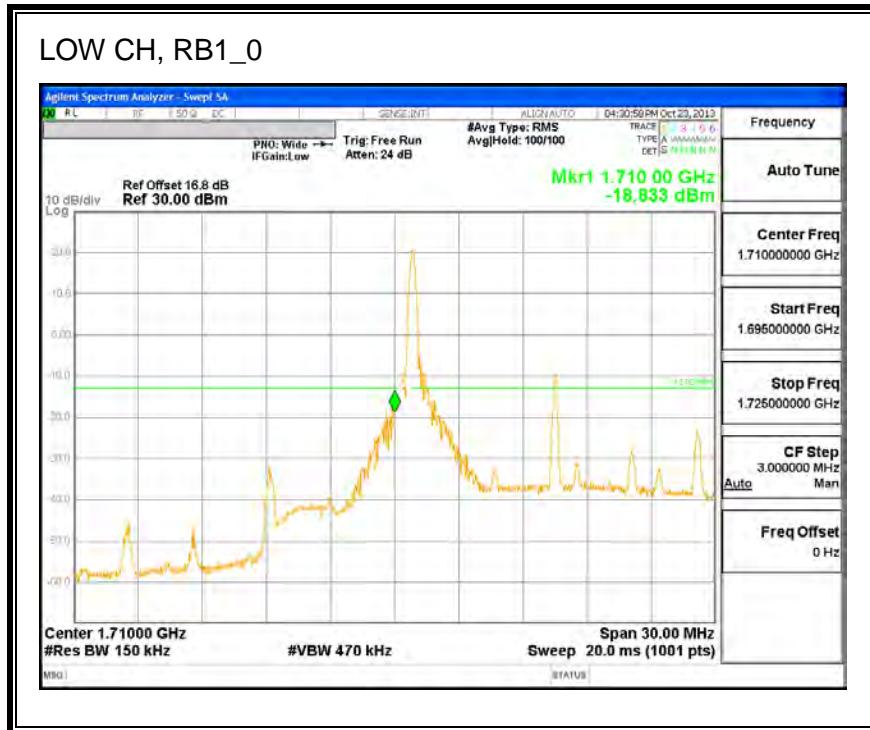


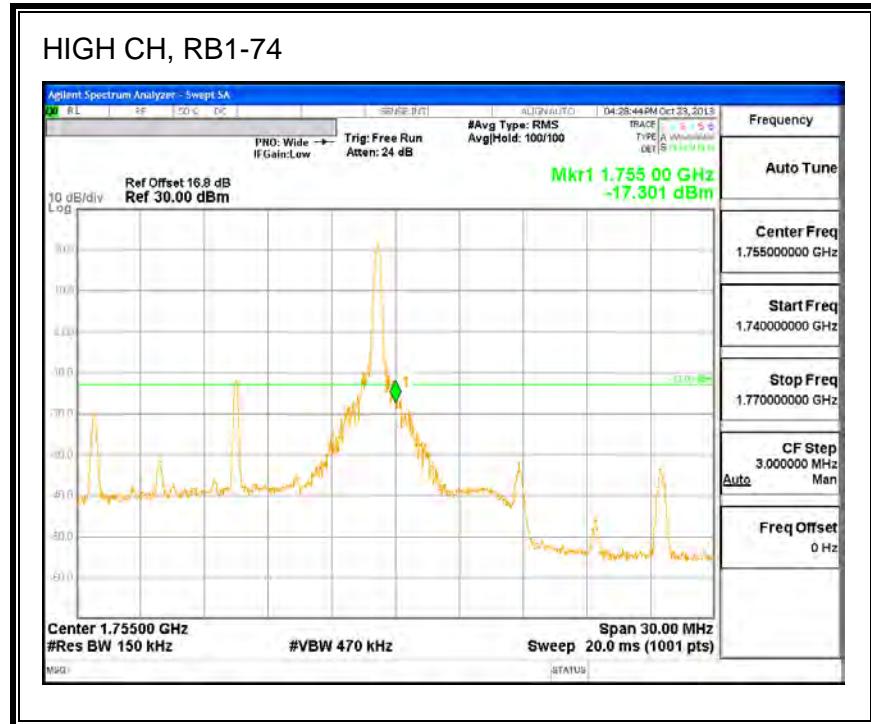
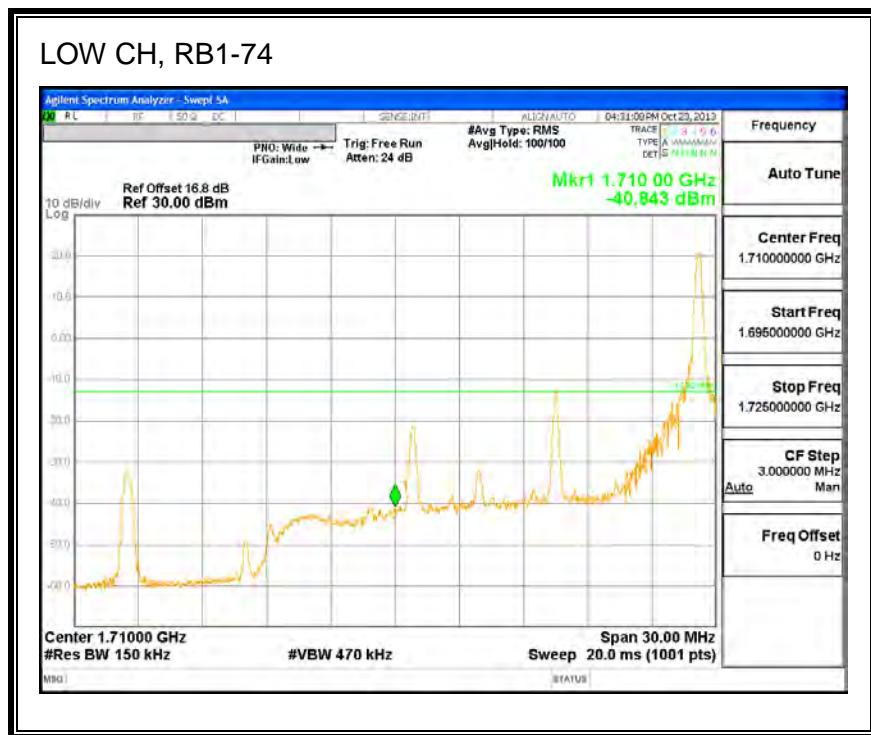
Band 4 (15MHz BANDWIDTH)**LTE QPSK**

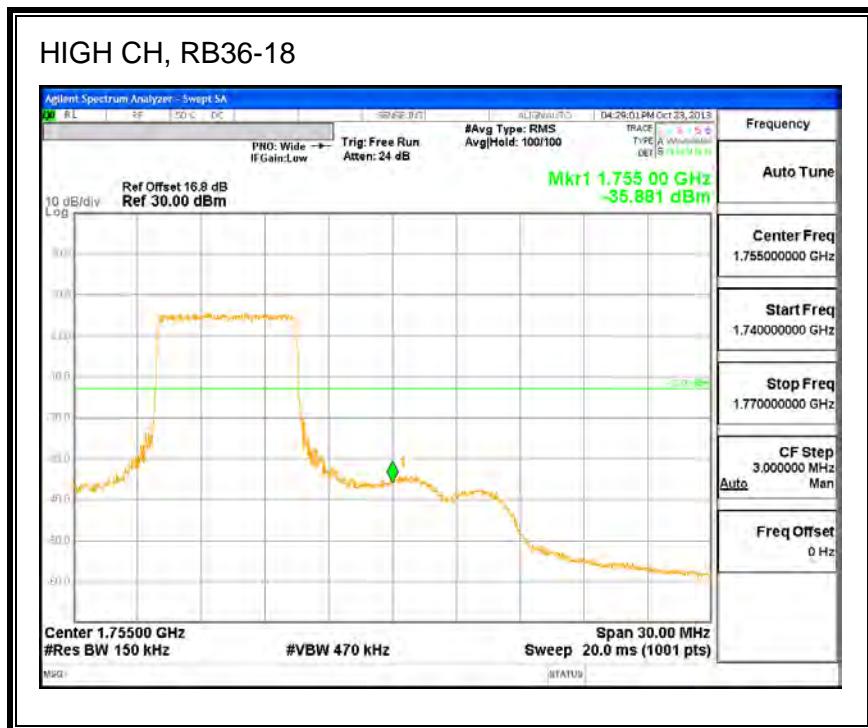
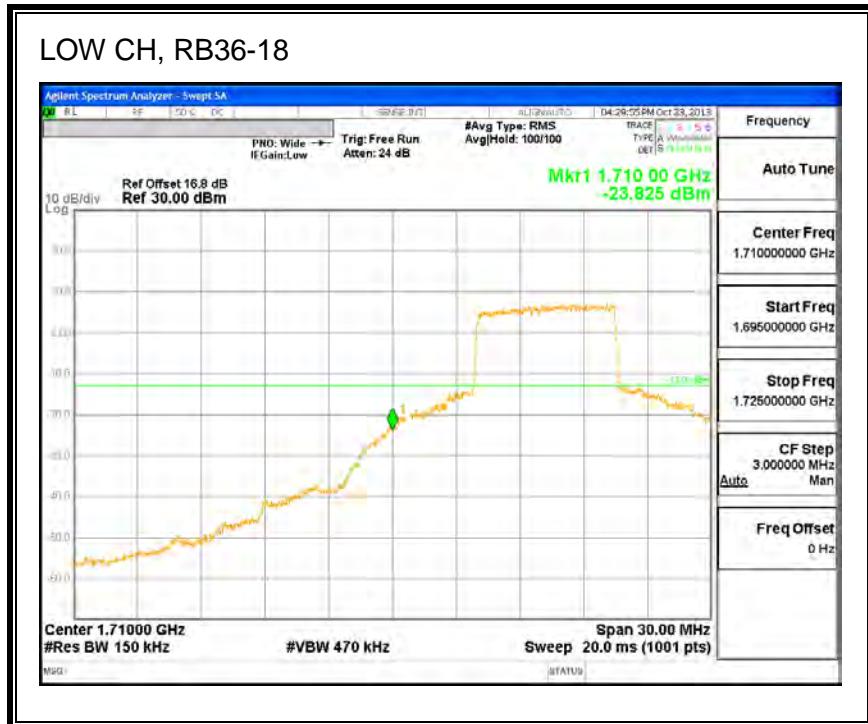






Band 4 (15MHz BANDWIDTH)**LTE 16QAM**



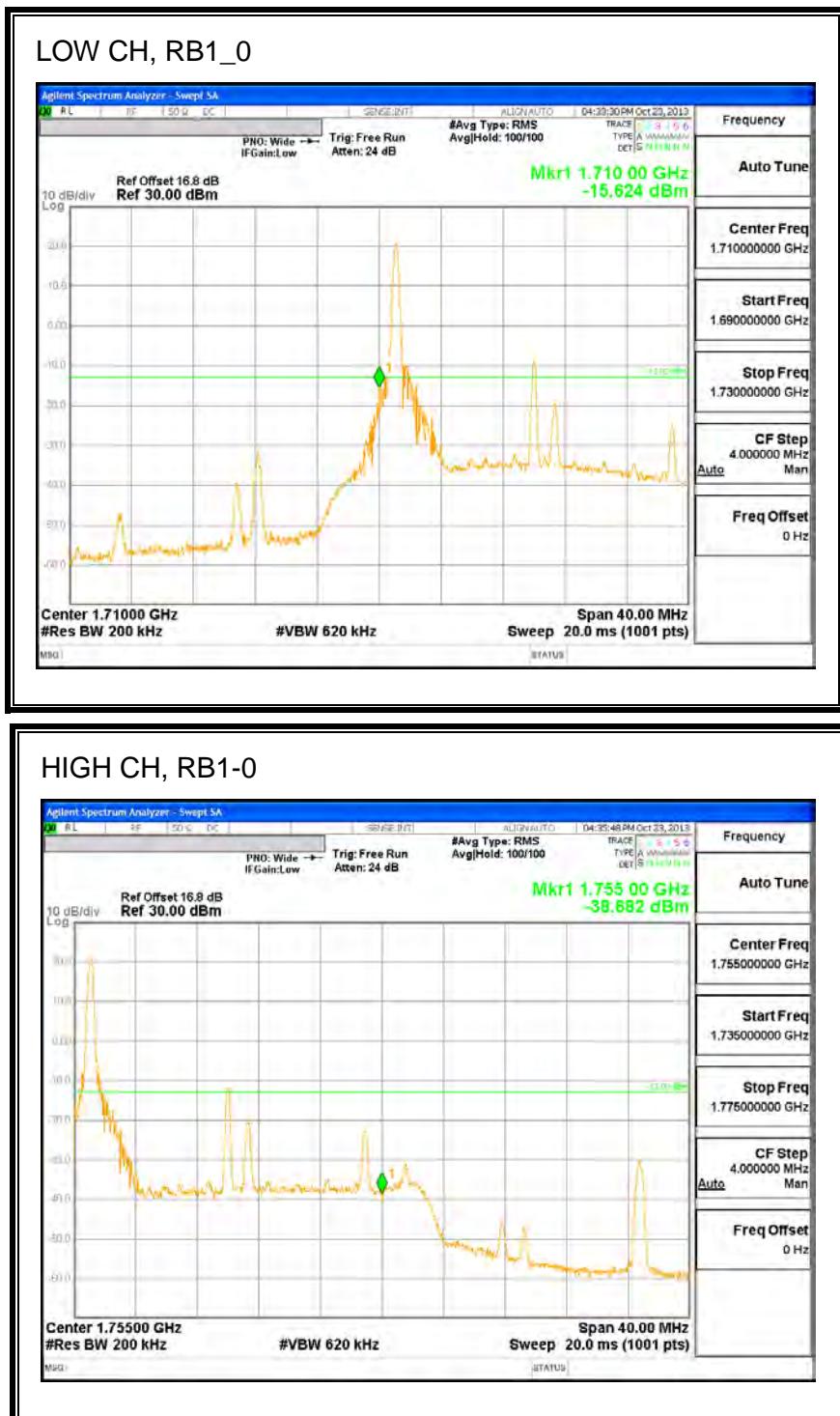


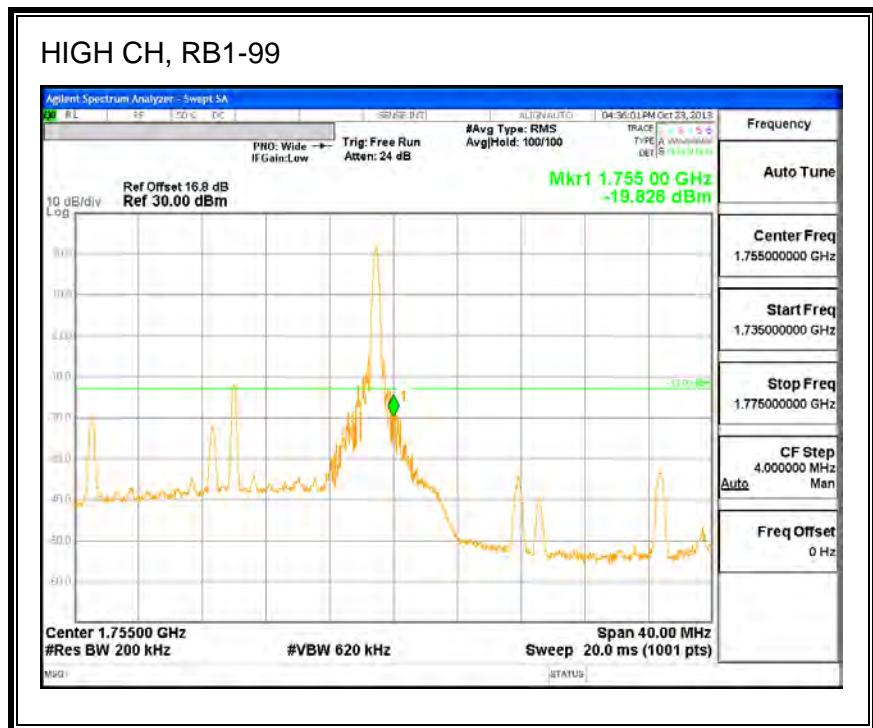
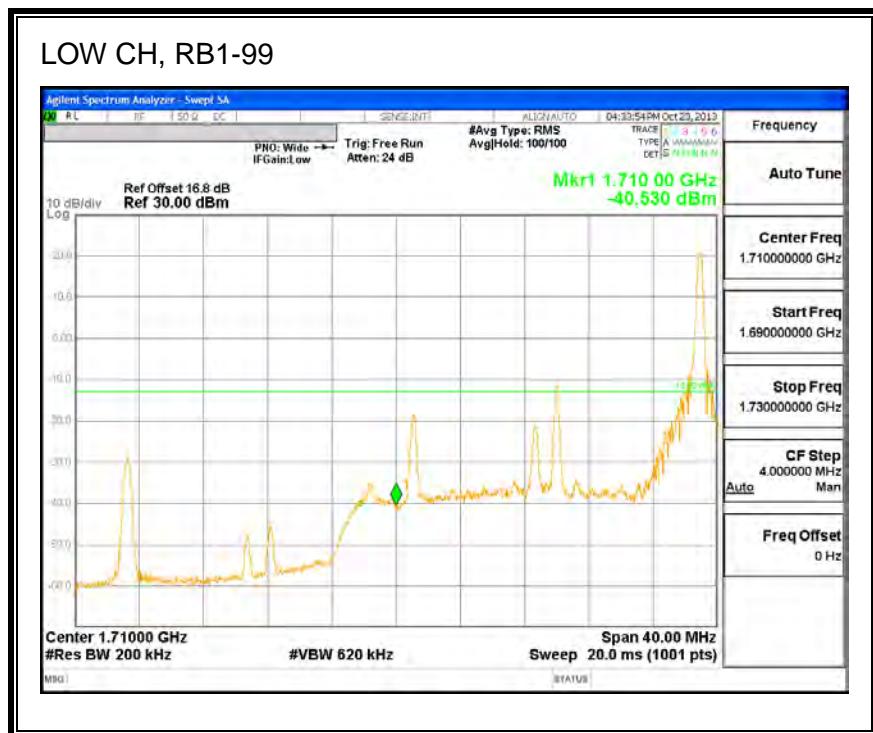
LOW CH, RB75-0

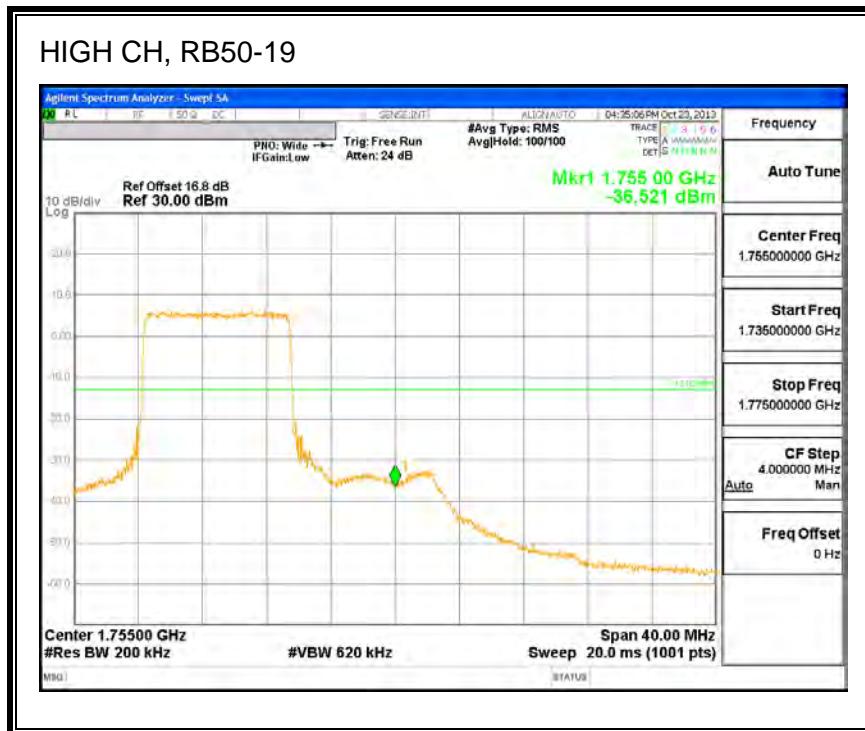
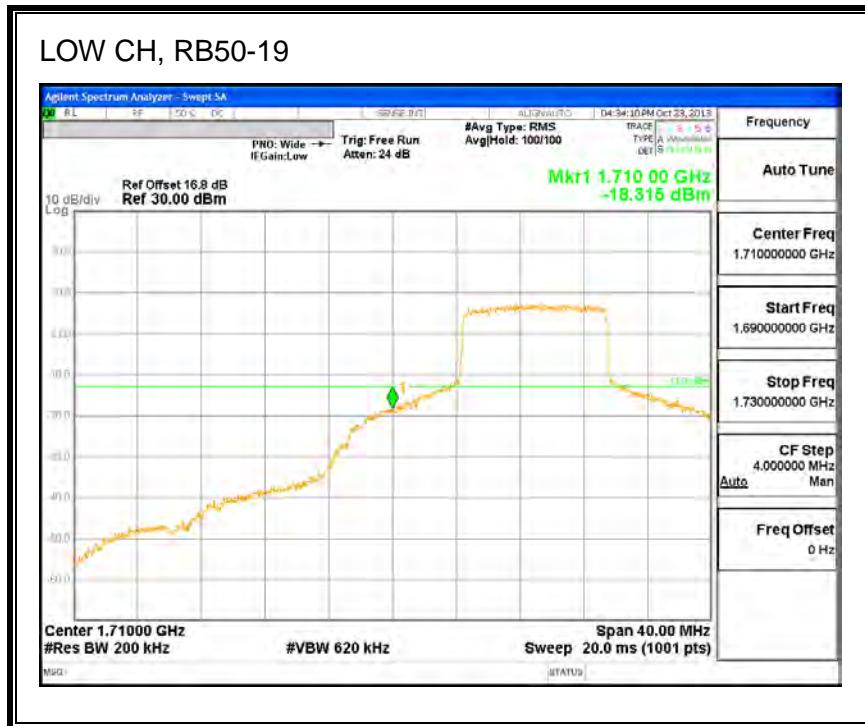


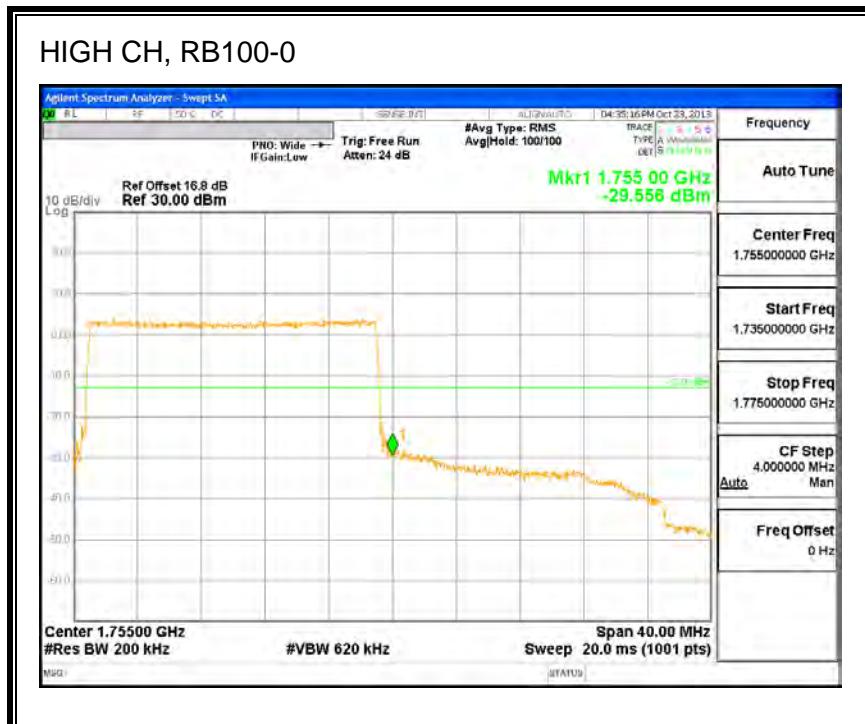
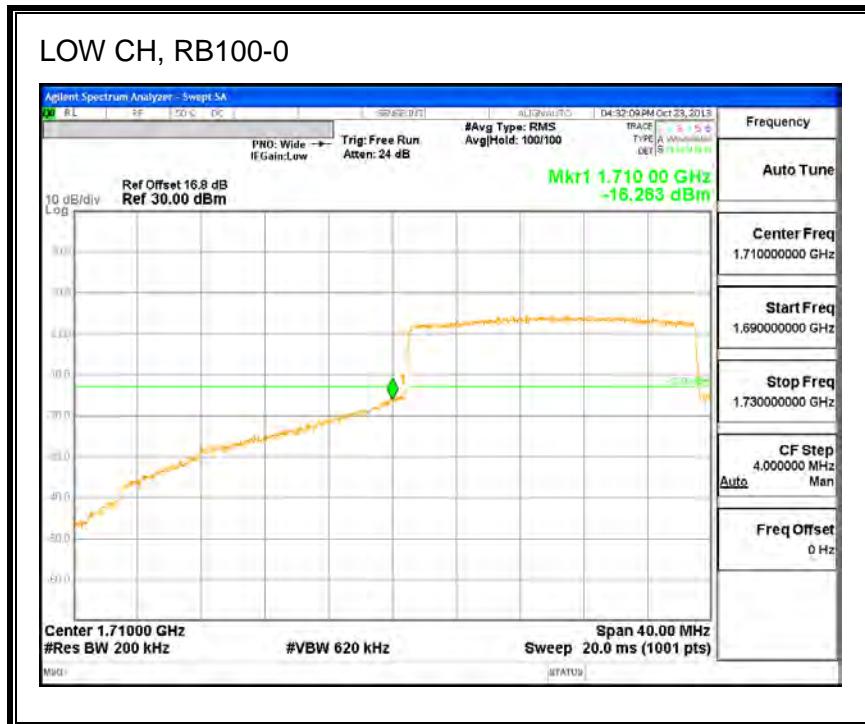
HIGH CH, RB75-0



Band 4 (20MHz BANDWIDTH)**LTE QPSK**

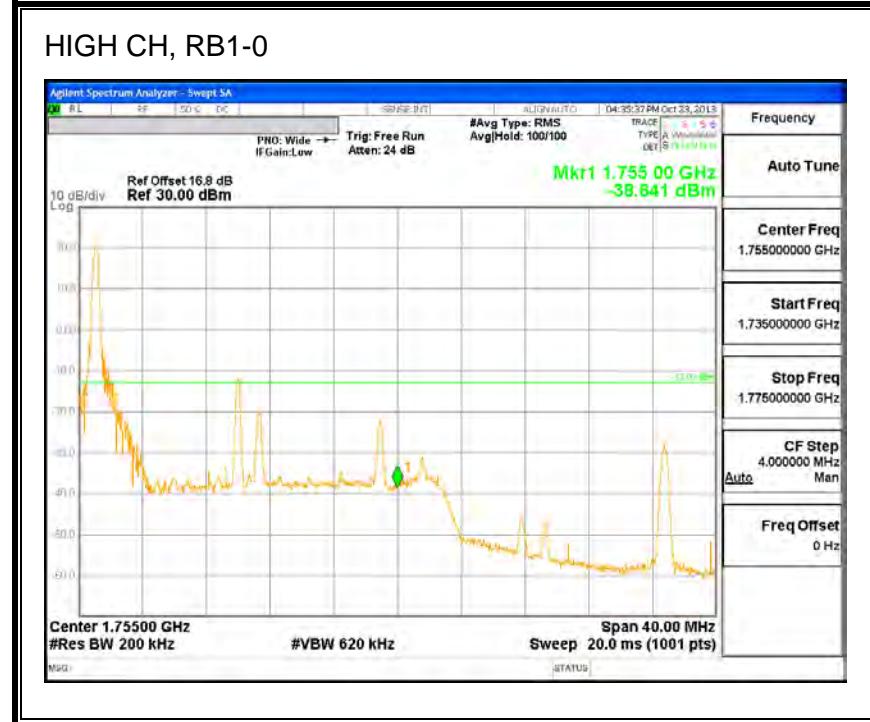
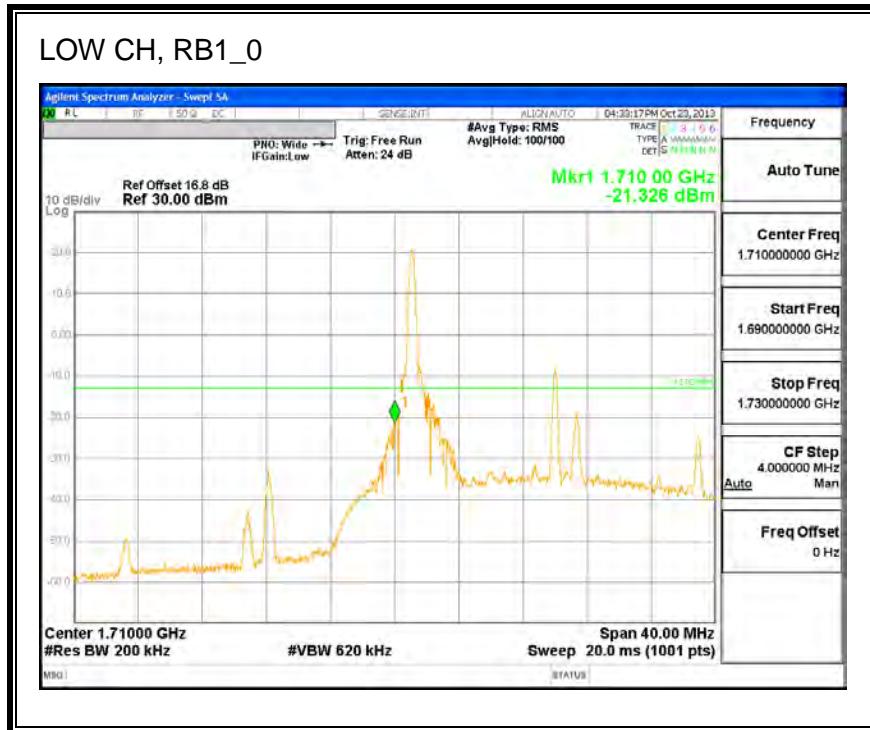


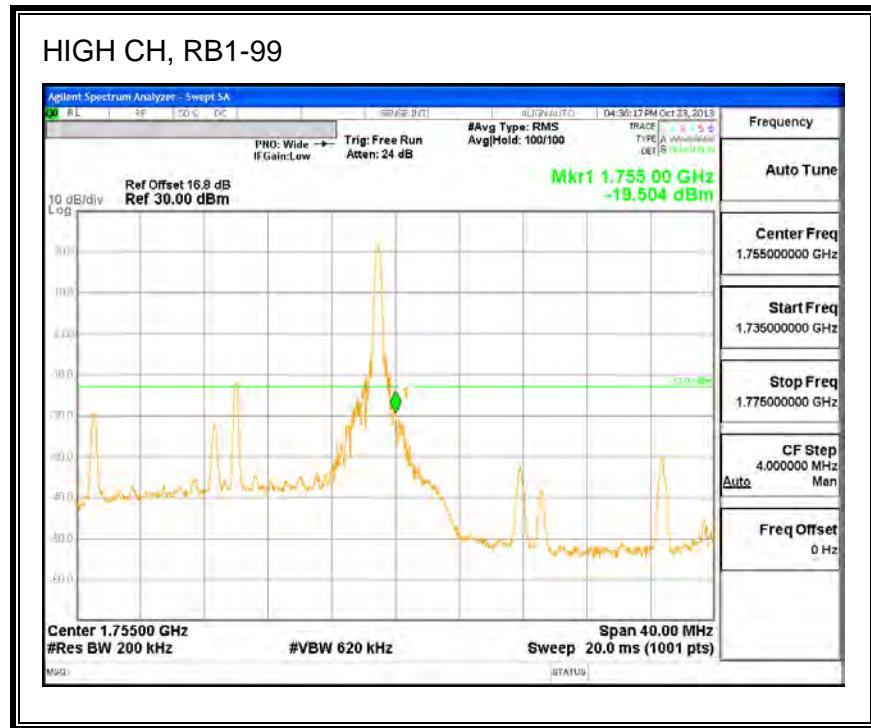
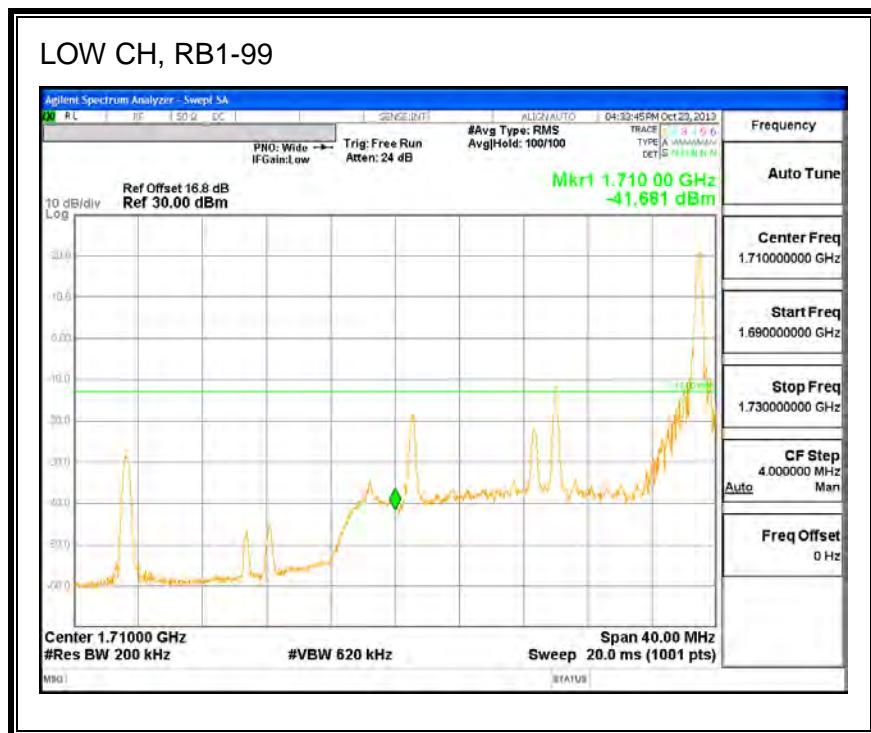


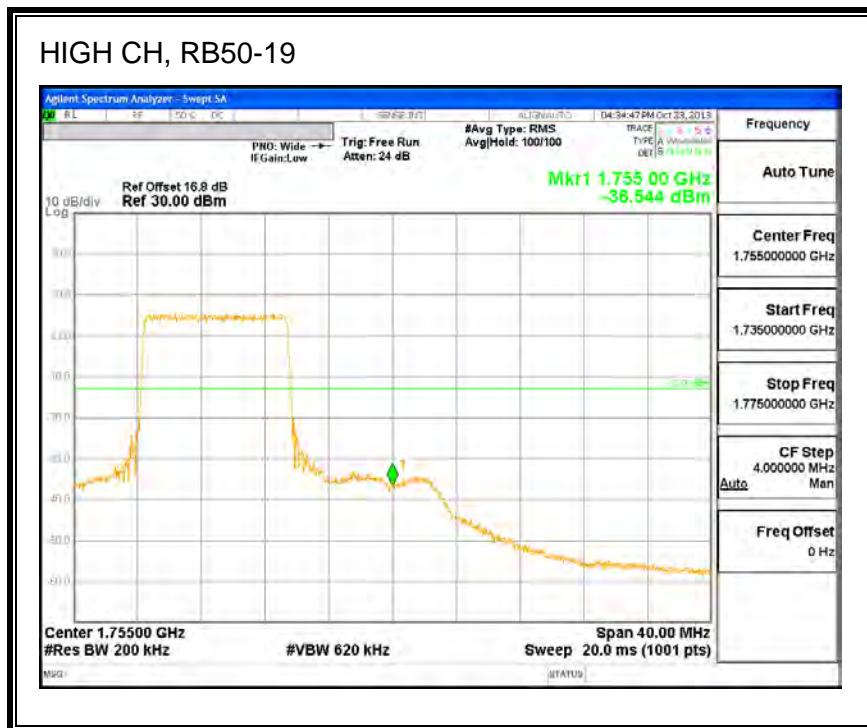
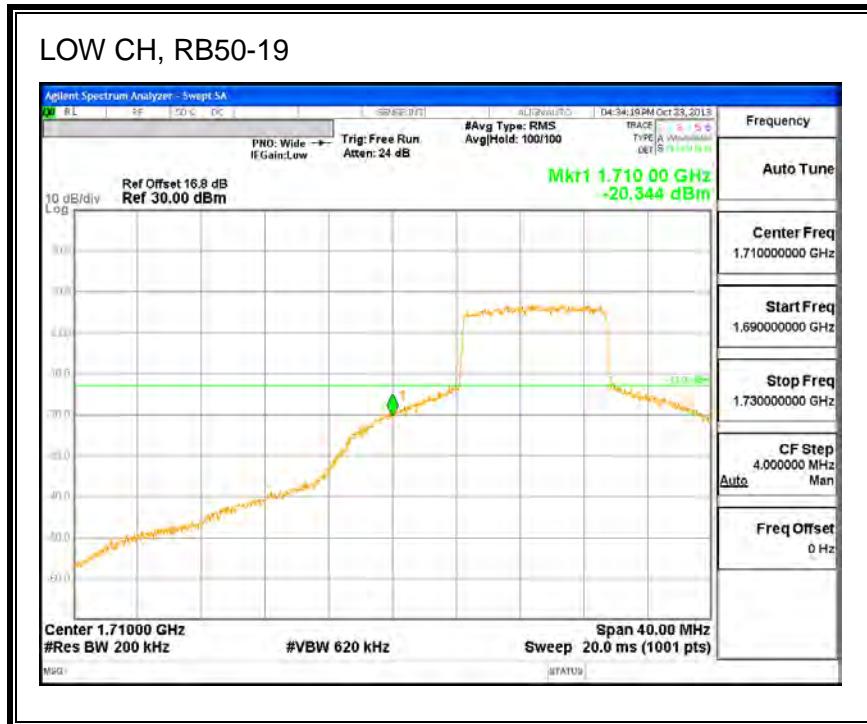


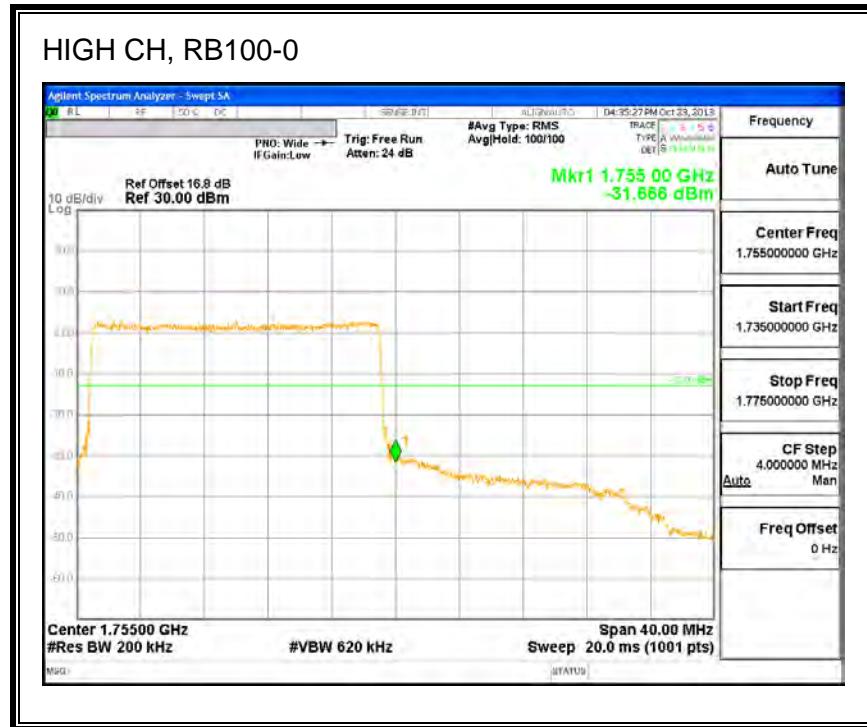
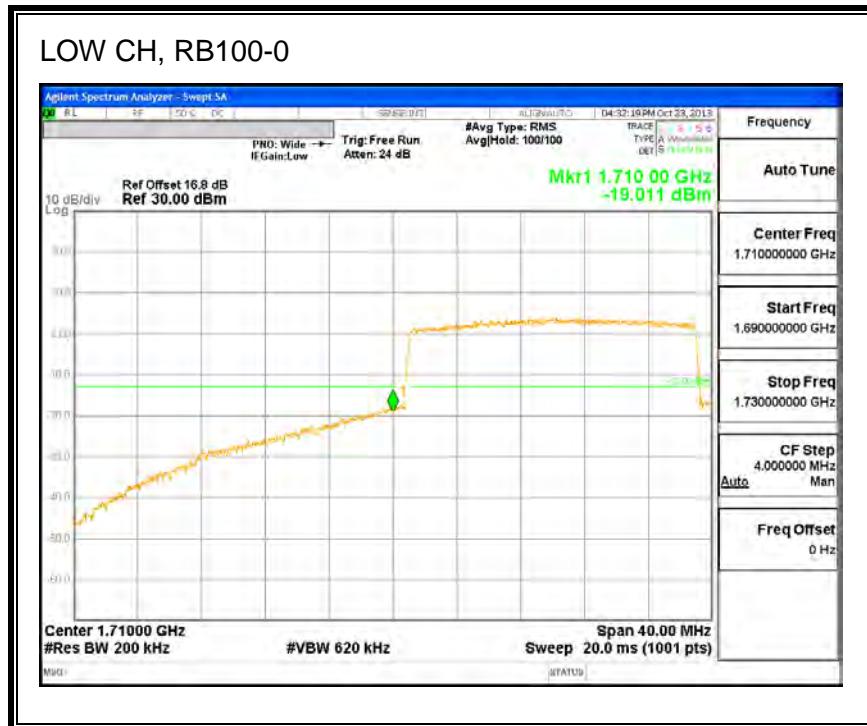
Band 4 (20MHz BANDWIDTH)

LTE 16QAM





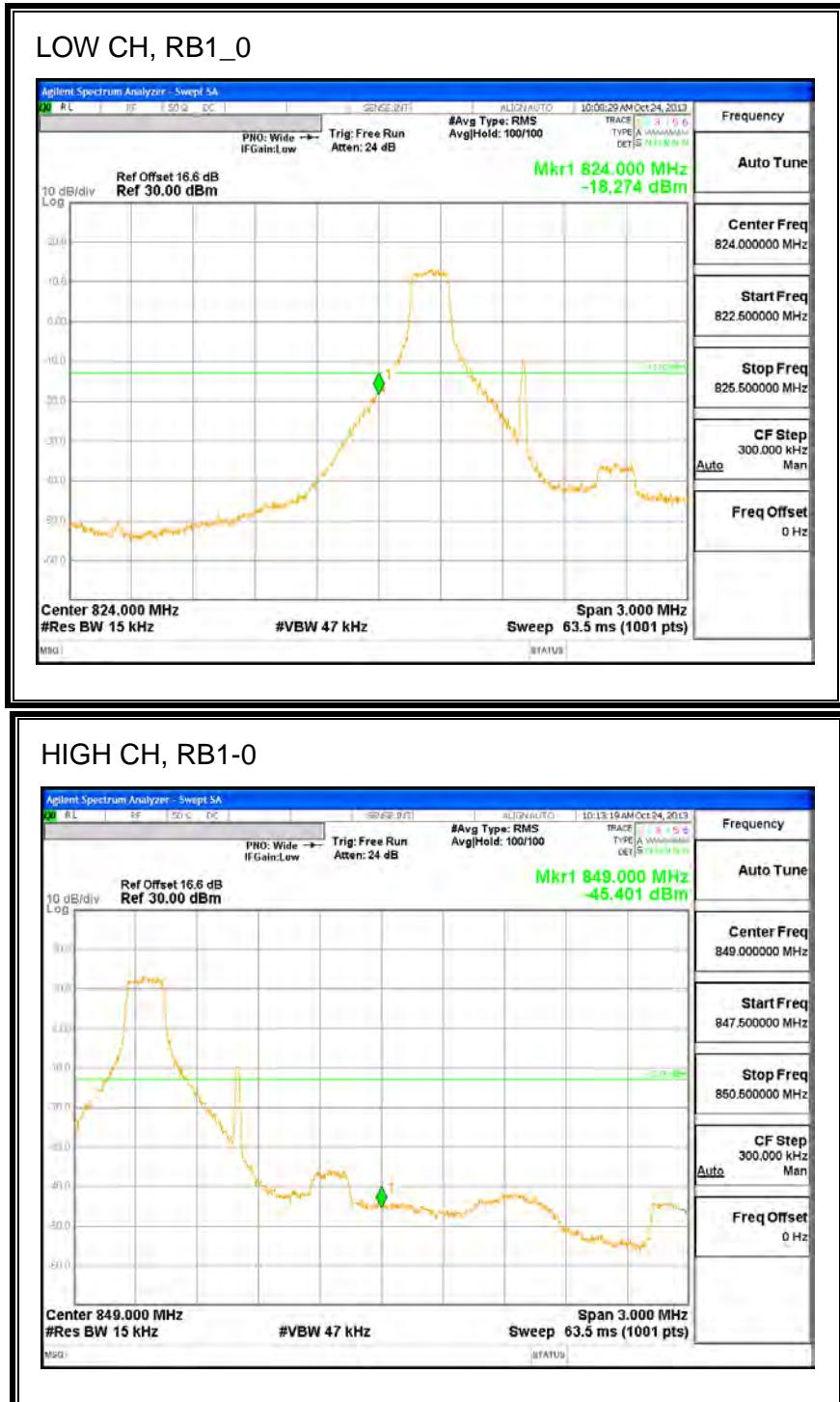


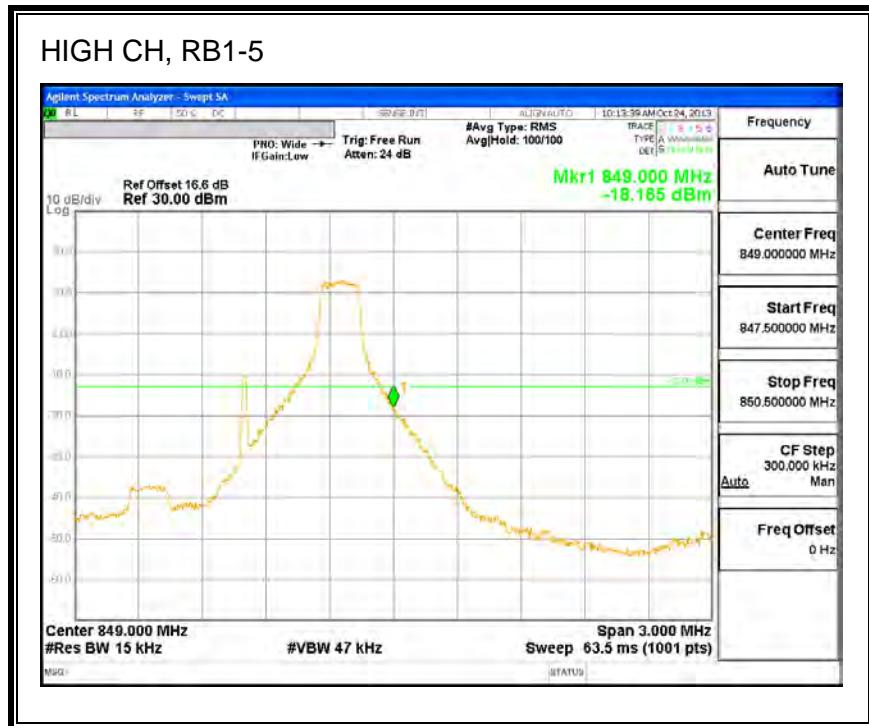
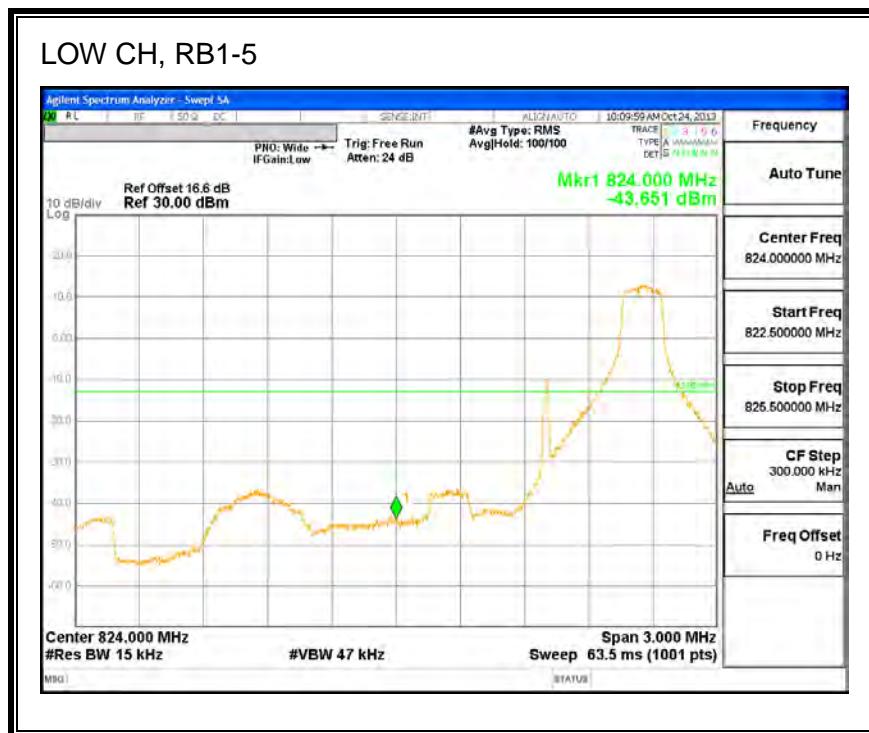


8.2.3. LTE BAND 5

Band 5 (1.4 MHz BANDWIDTH)

LTE QPSK

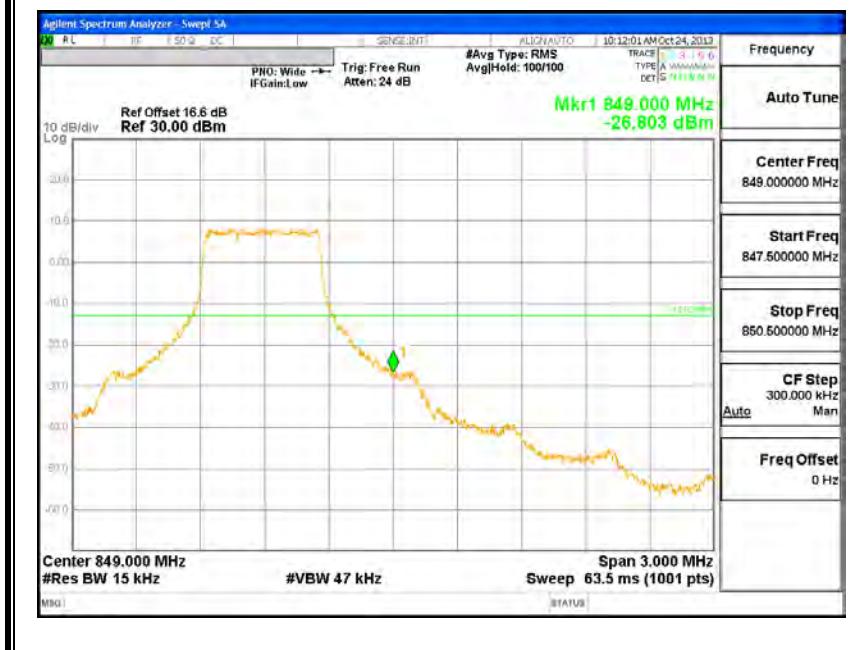




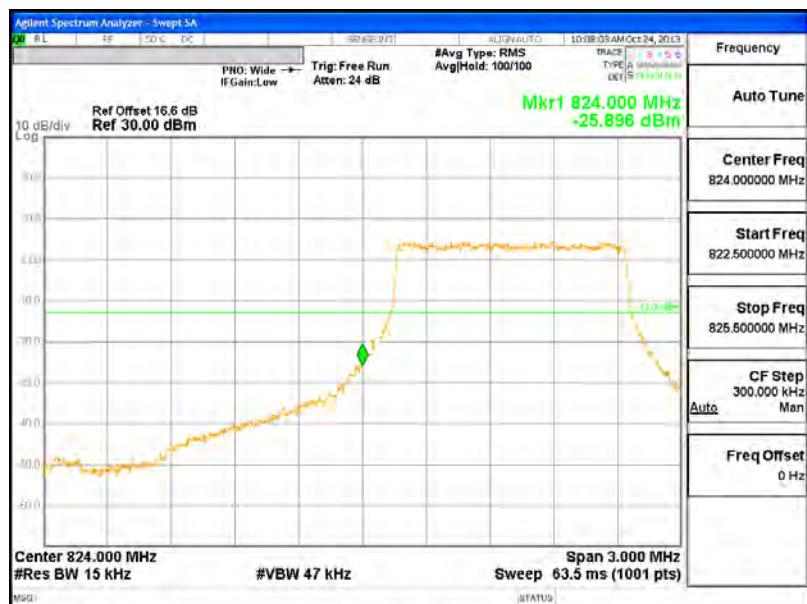
LOW CH, RB3-2



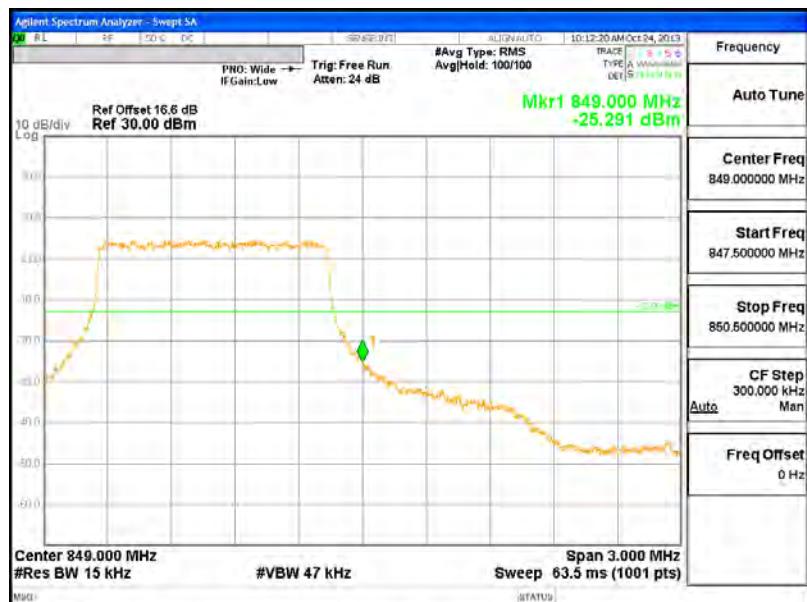
HIGH CH, RB3-2



LOW CH, RB6-0

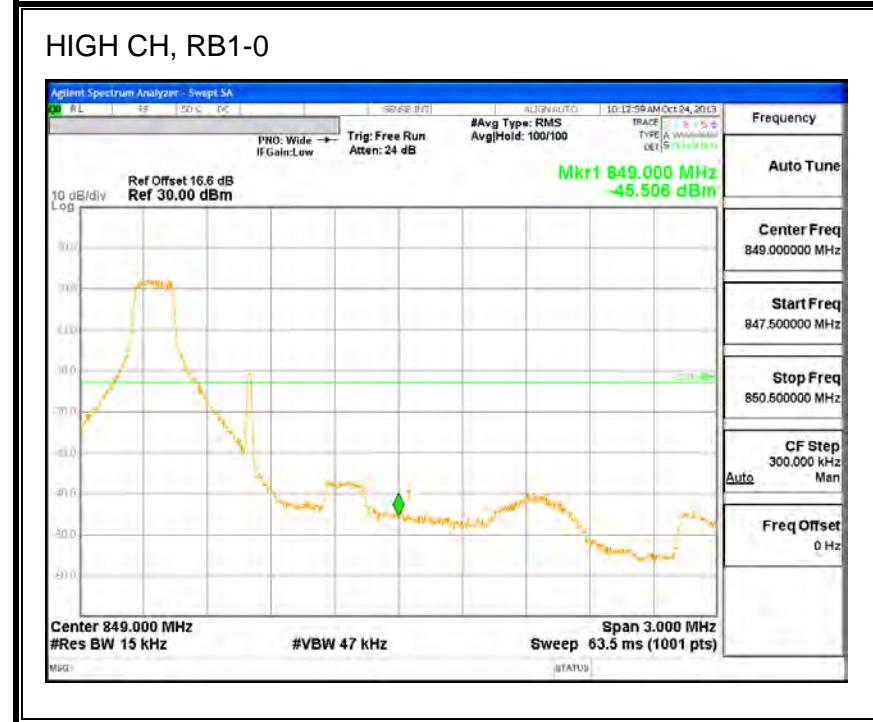
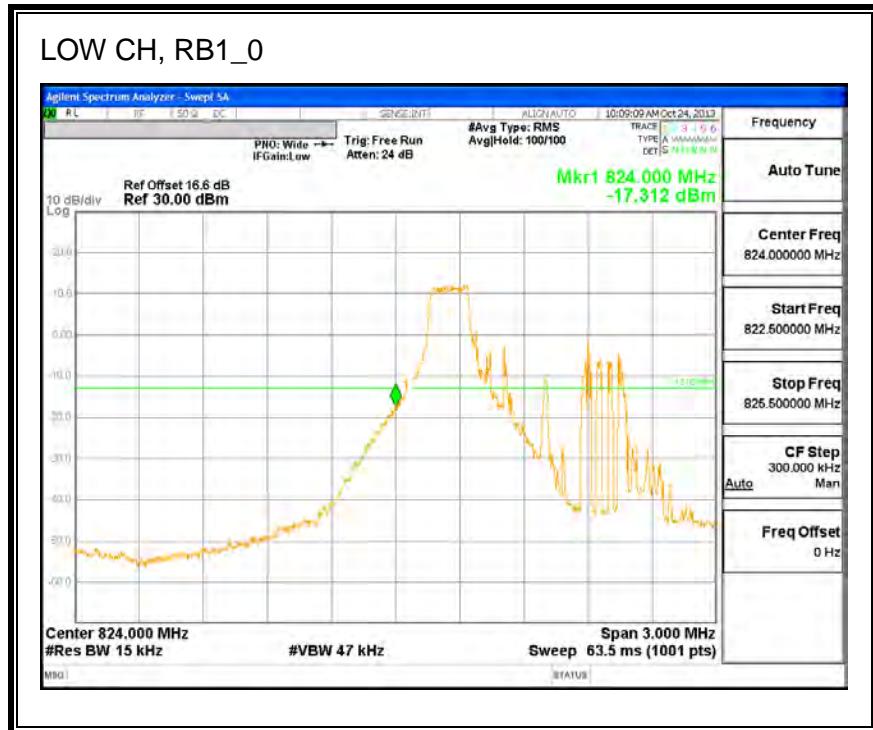


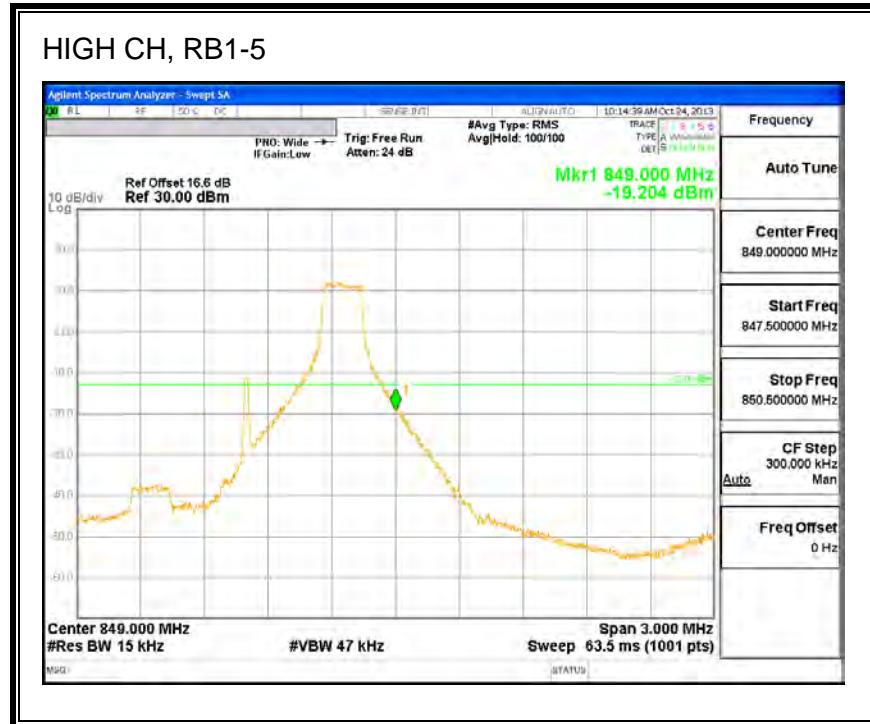
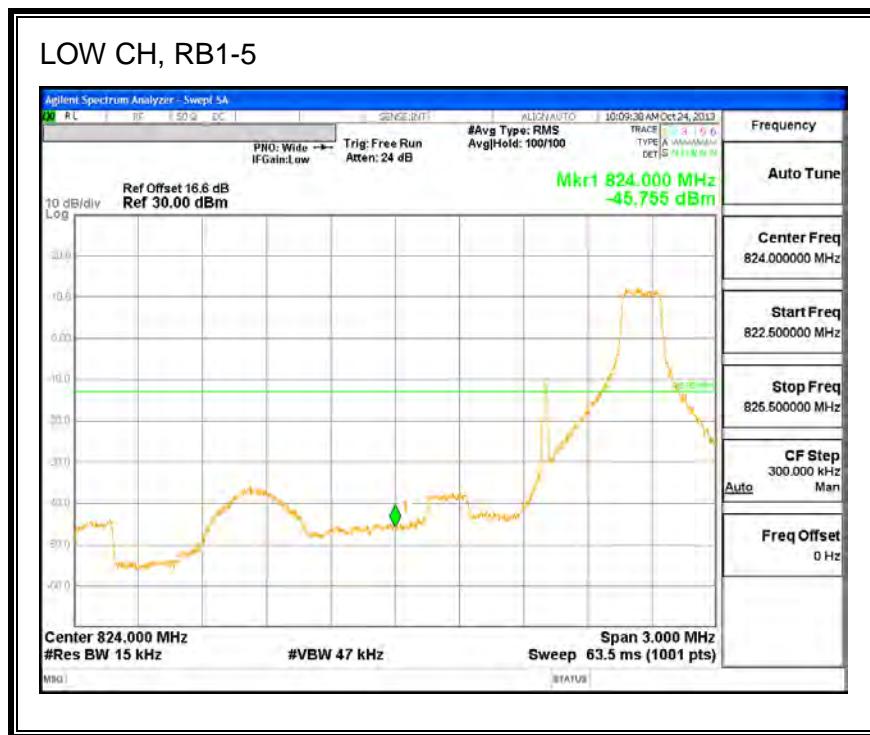
HIGH CH, RB6-0



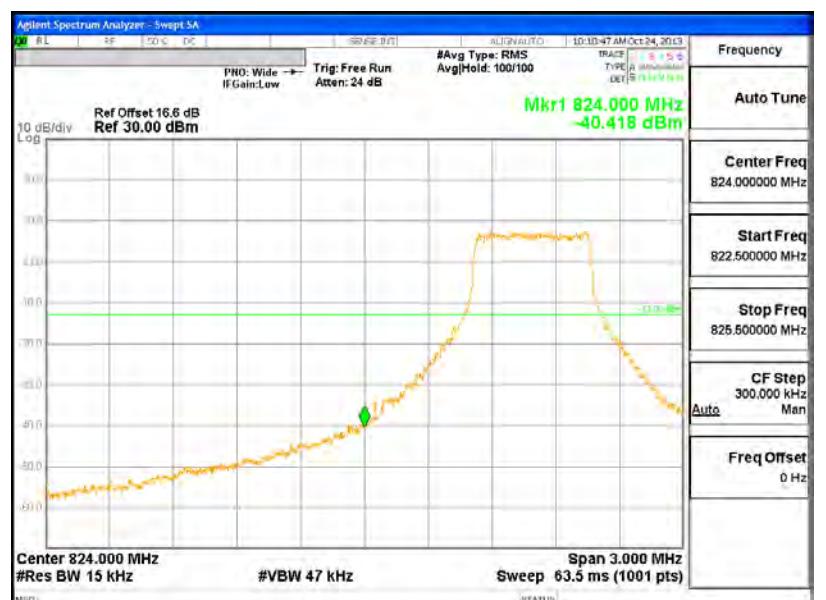
Band 5 (1.4 MHz BANDWIDTH)

LTE 16QAM

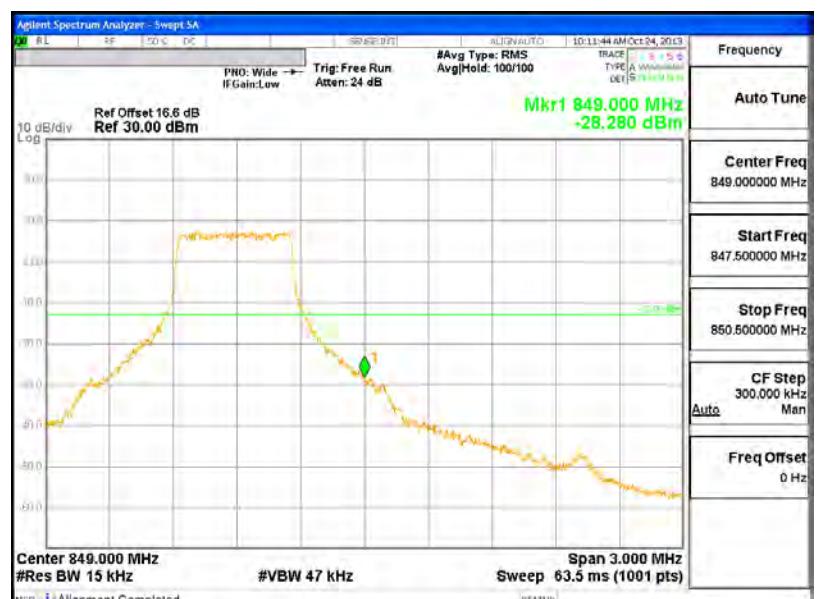


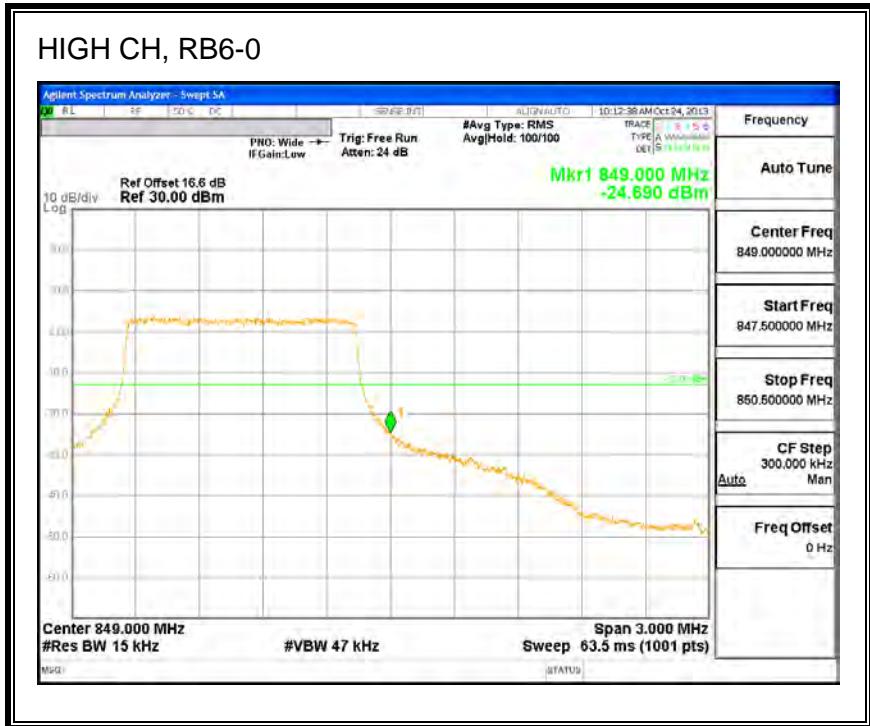
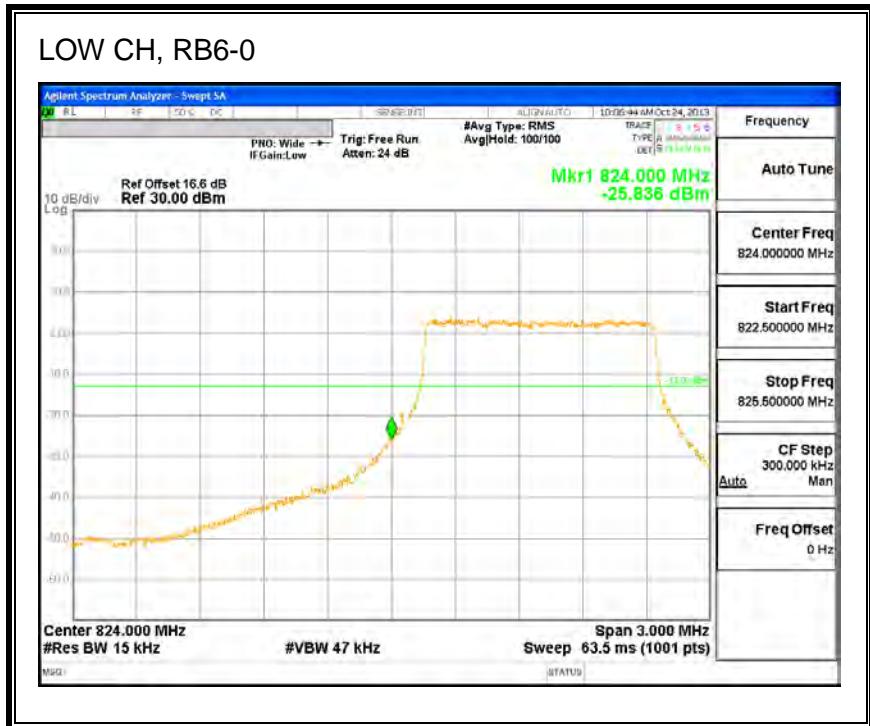


LOW CH, RB3-2



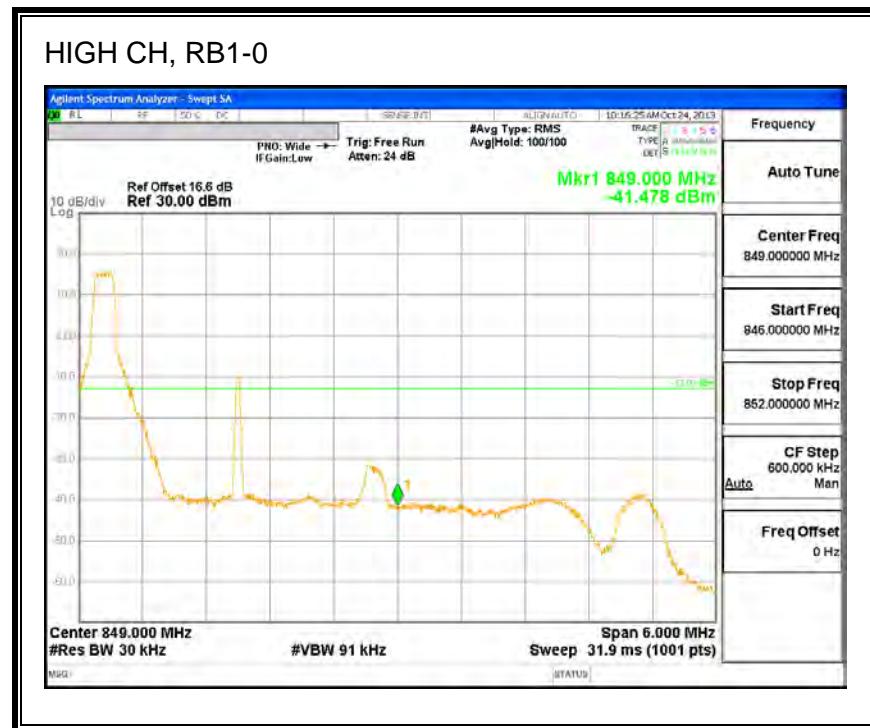
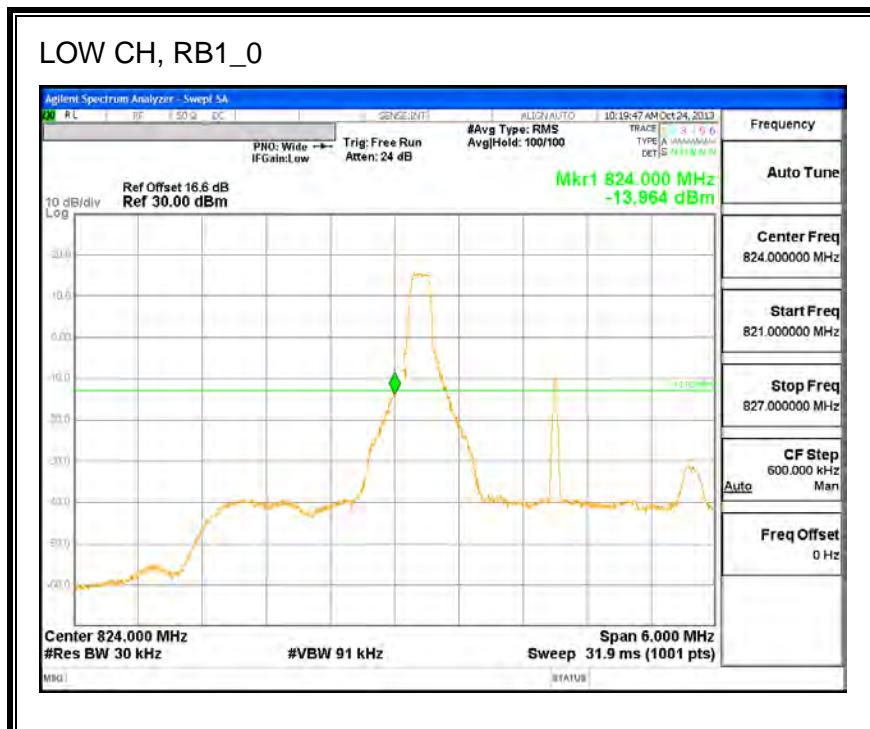
HIGH CH, RB3-2



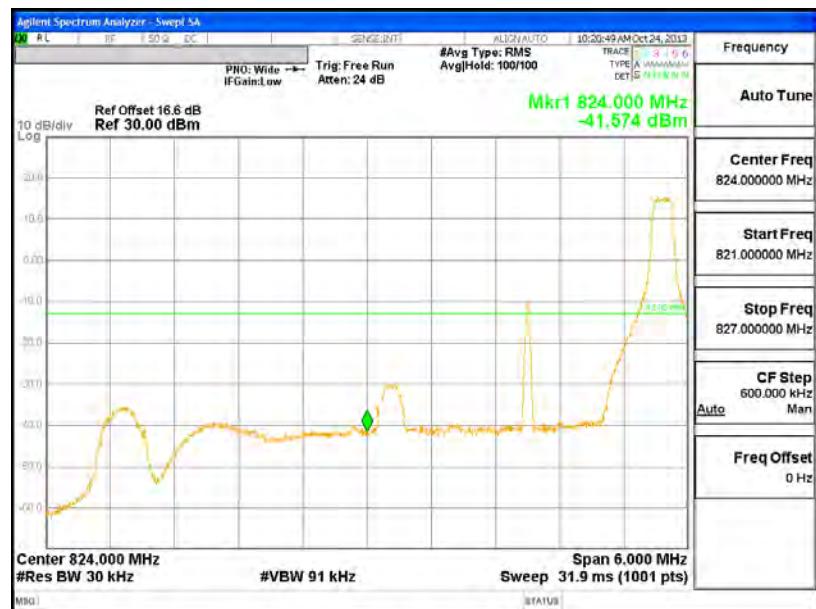


Band 5 (3MHz BANDWIDTH)

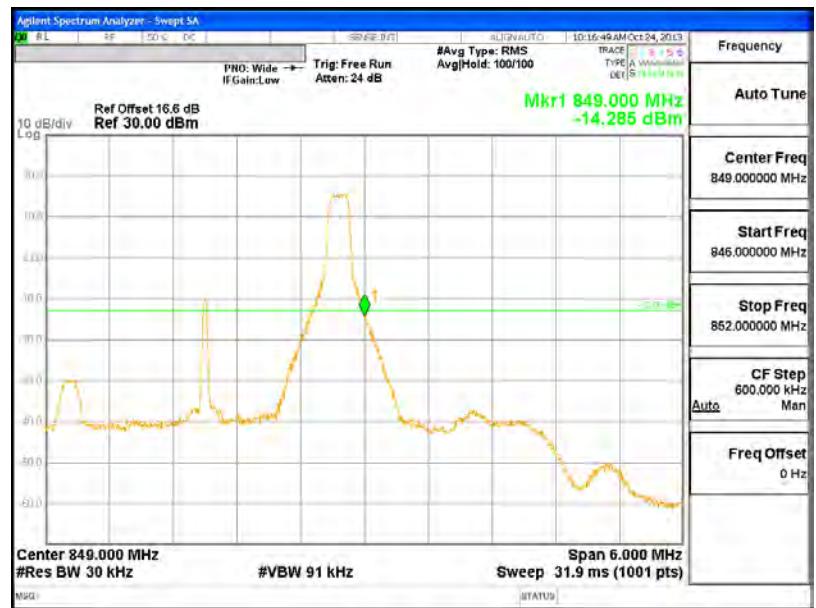
LTE QPSK

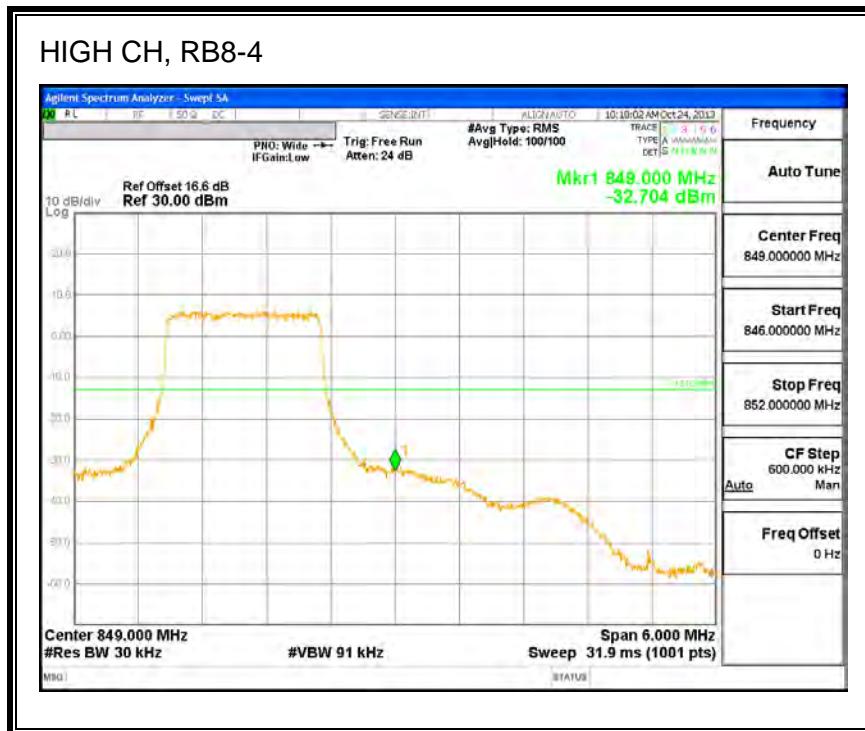
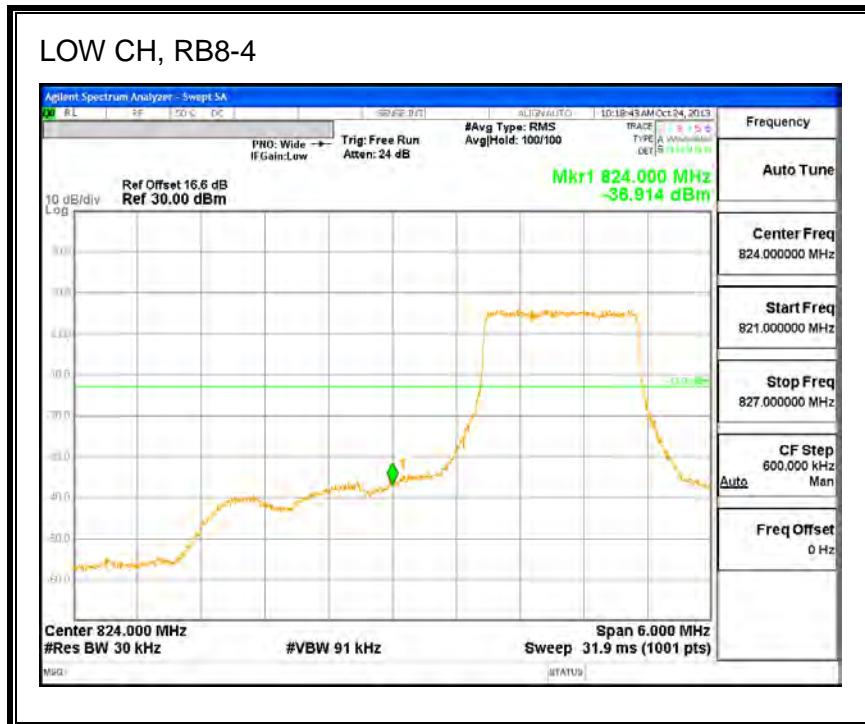


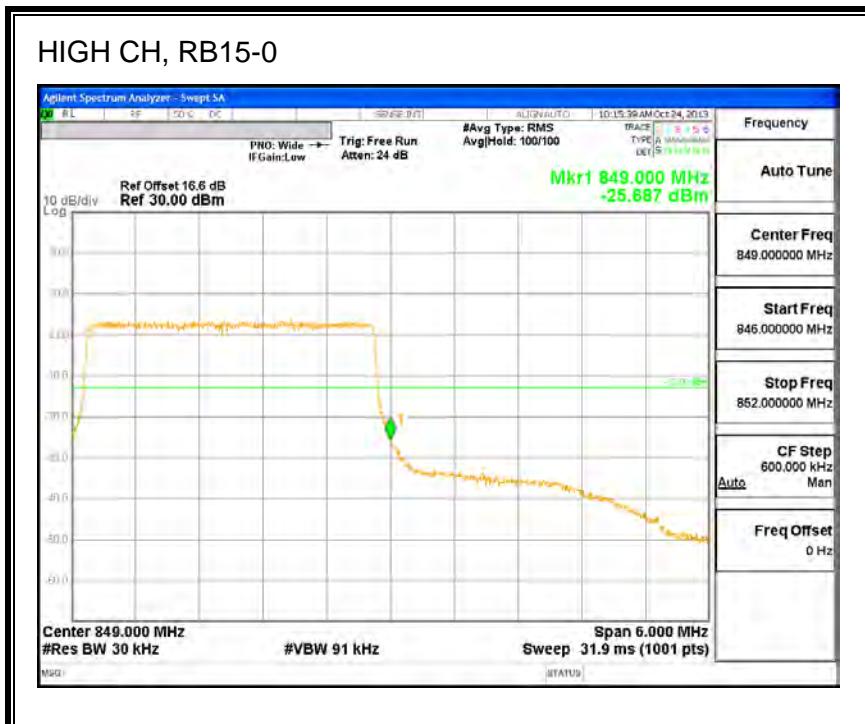
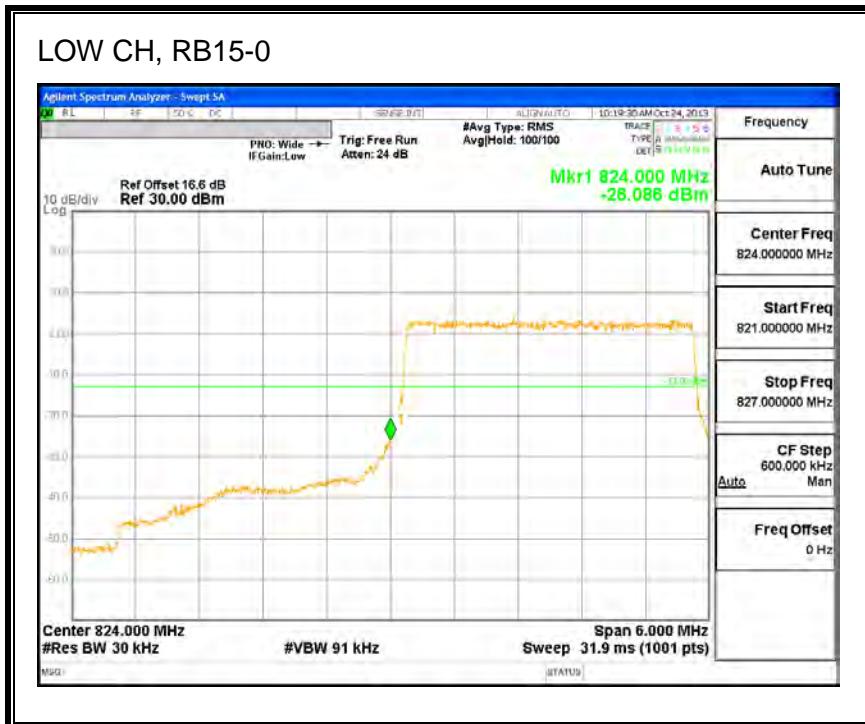
LOW CH, RB1-14



HIGH CH, RB1-14

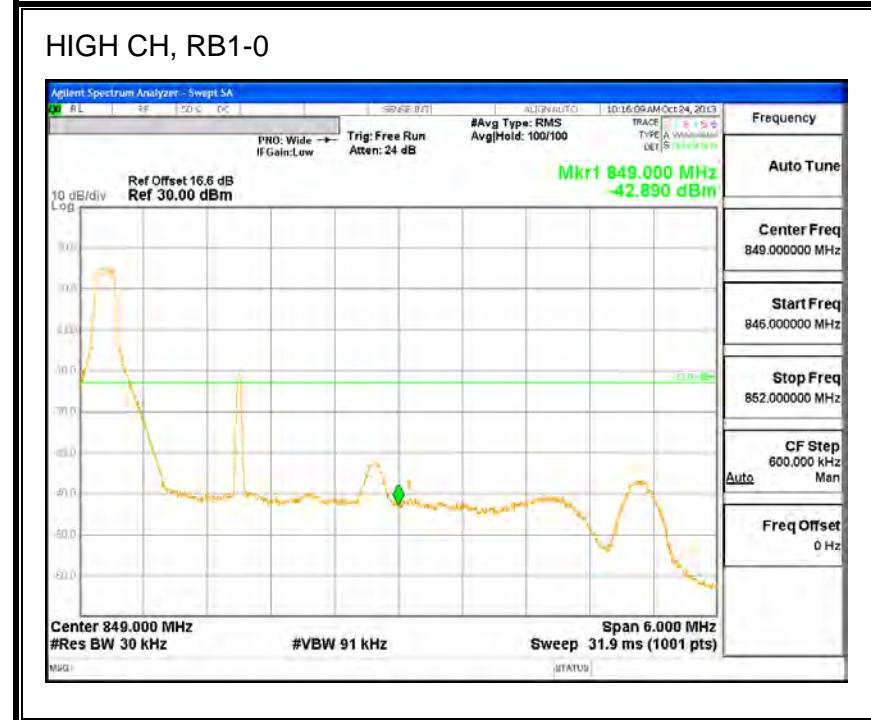
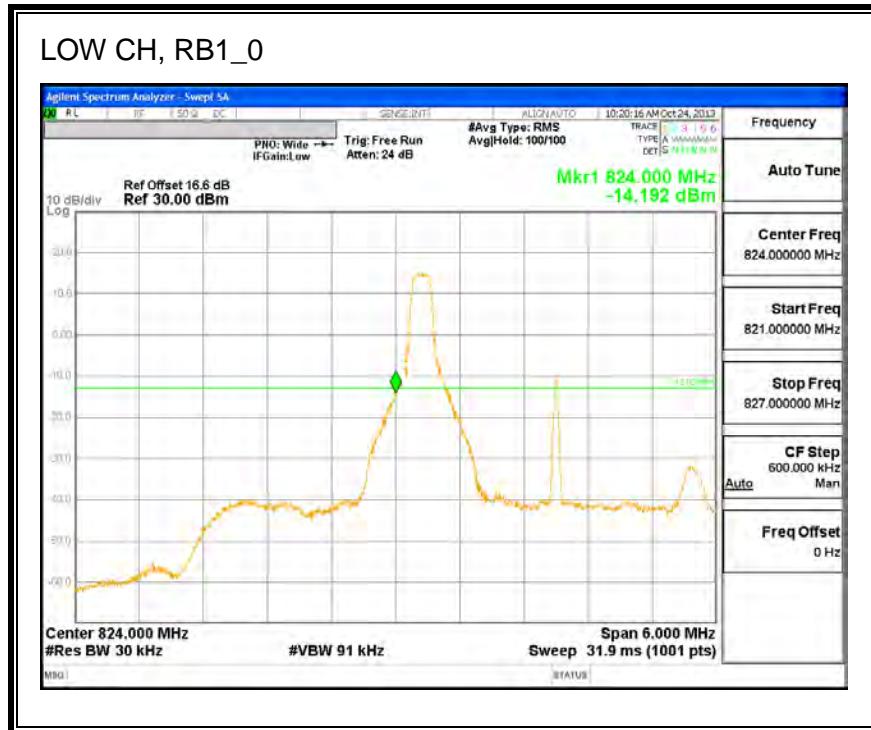


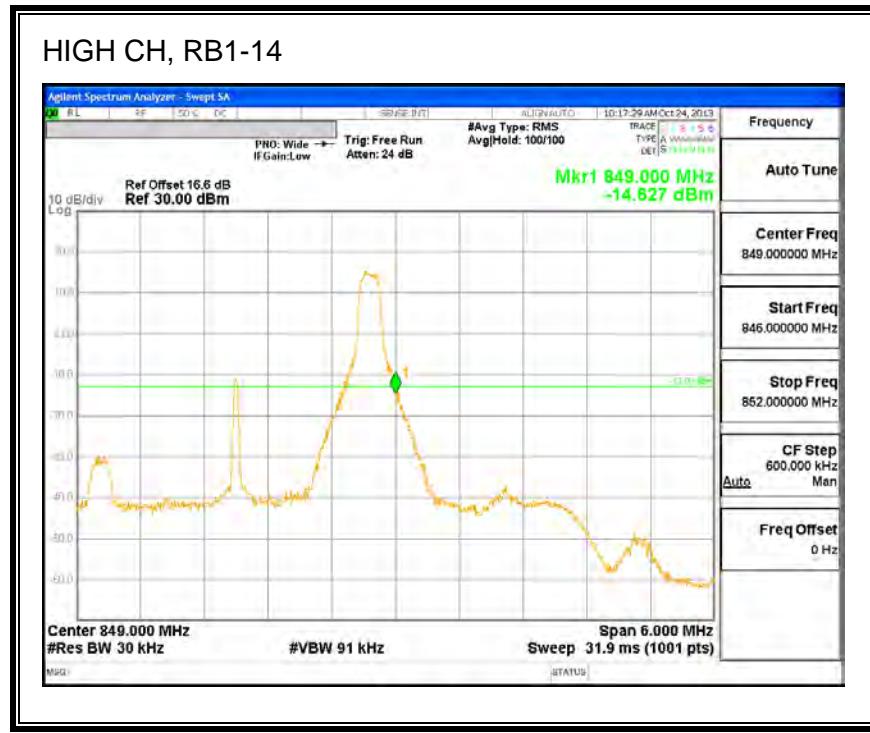
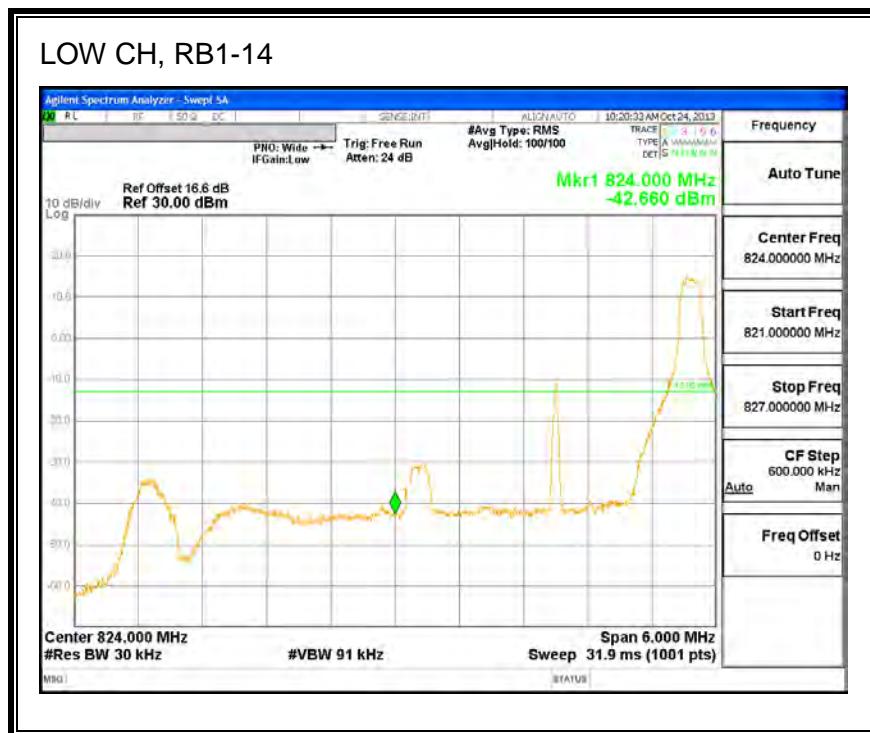


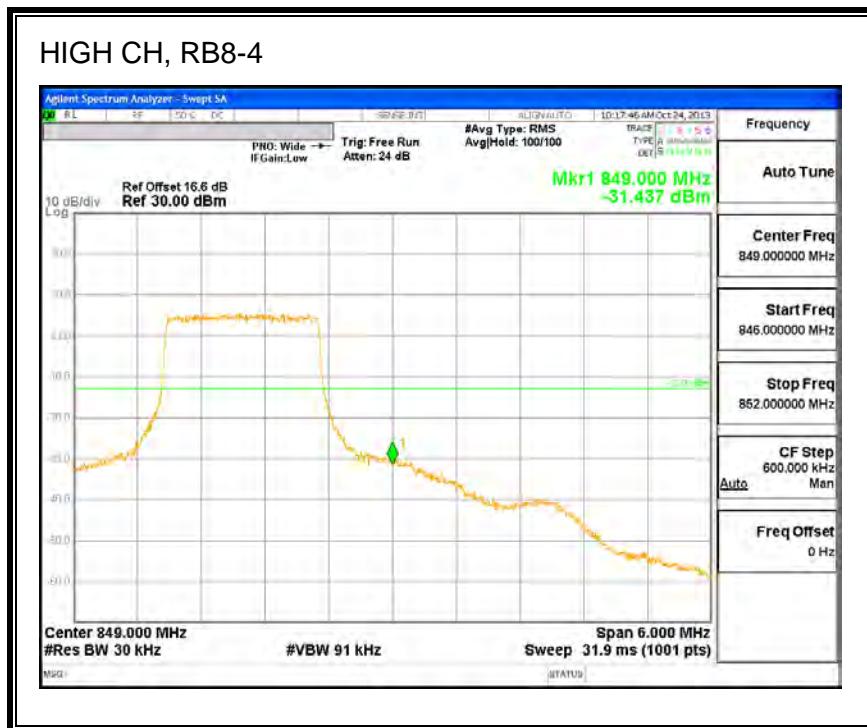
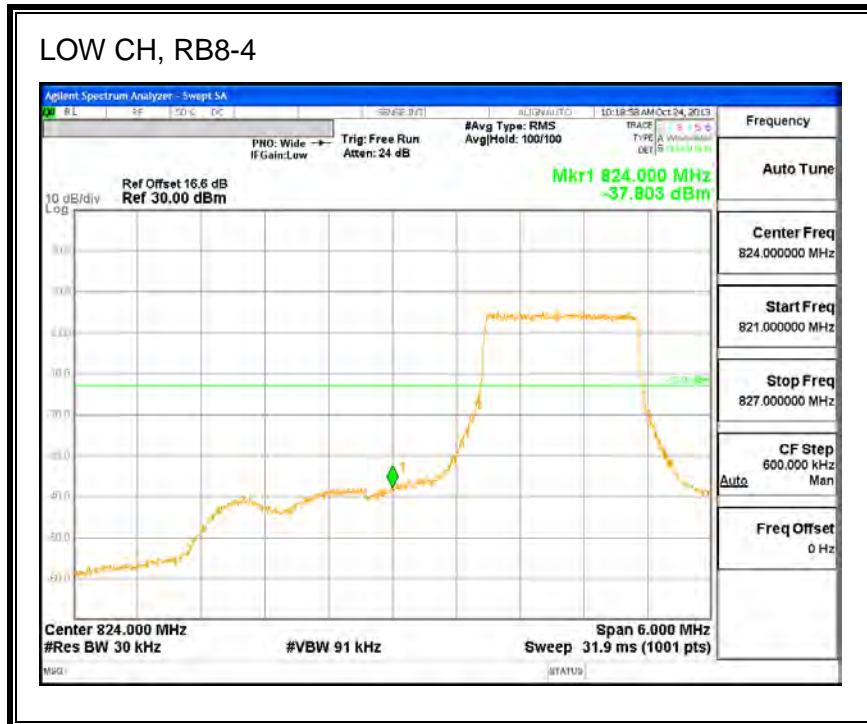


Band 5 (3MHz BANDWIDTH)

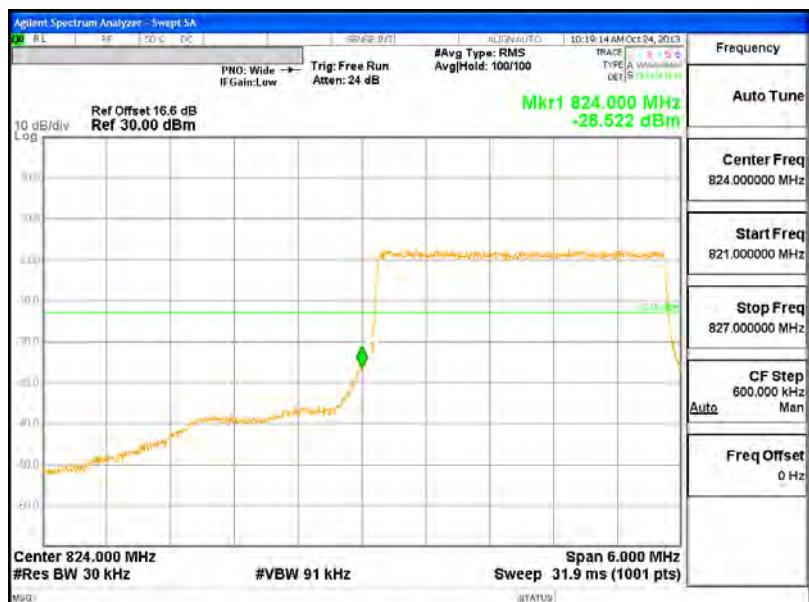
LTE 16QAM



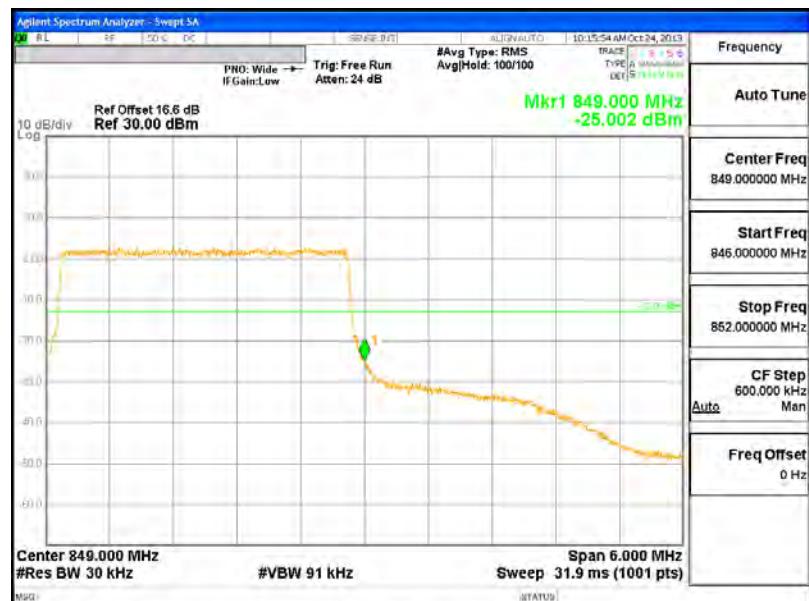


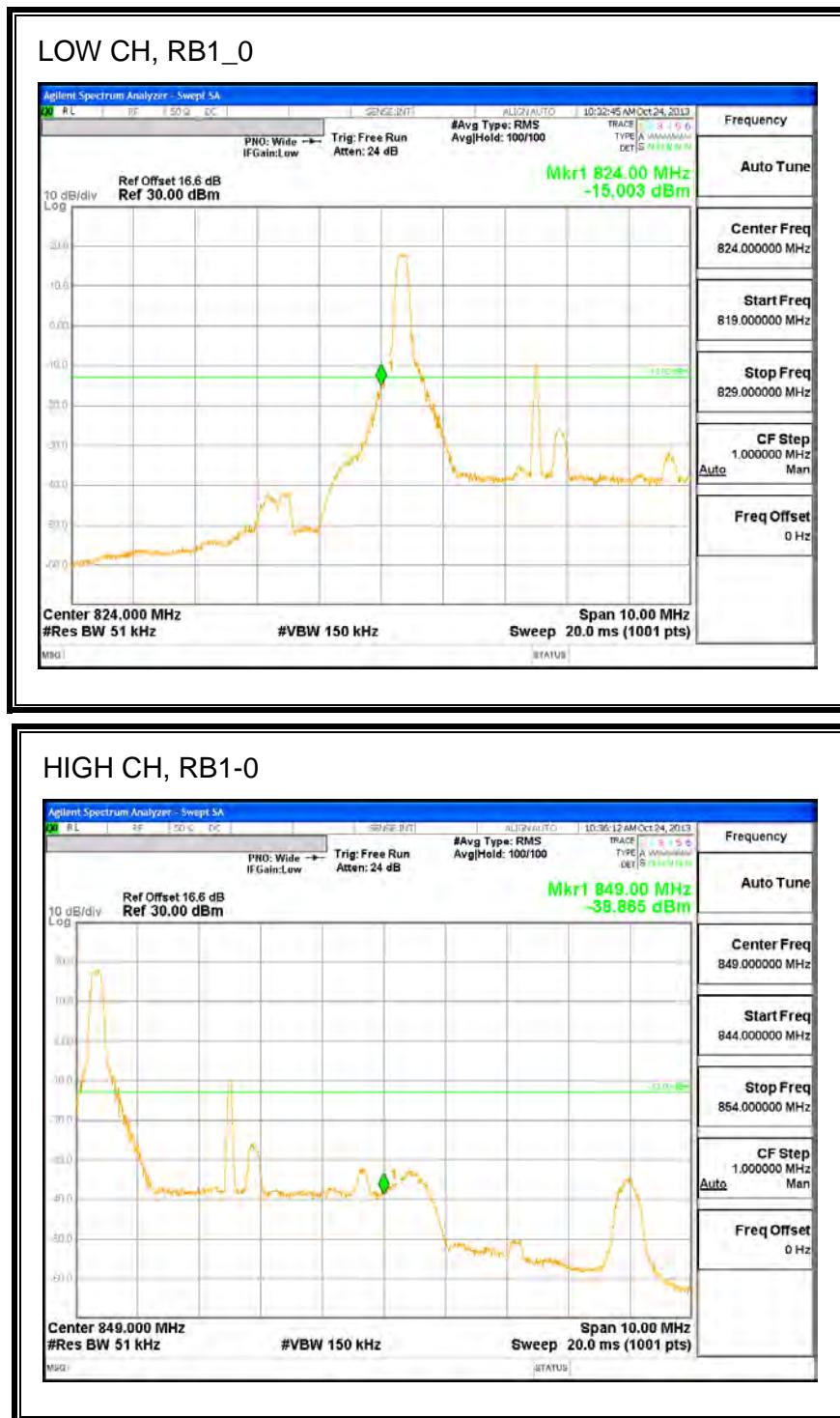


LOW CH, RB15-0

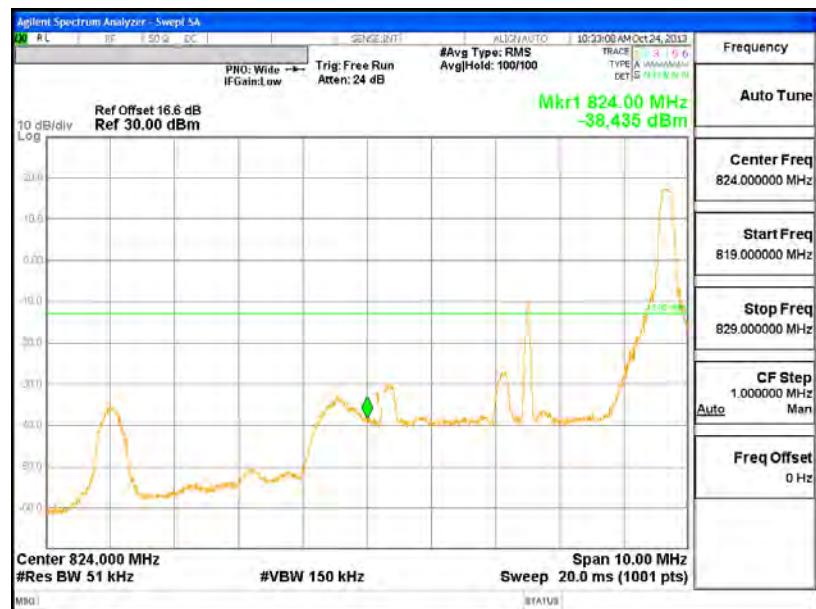


HIGH CH, RB15-0

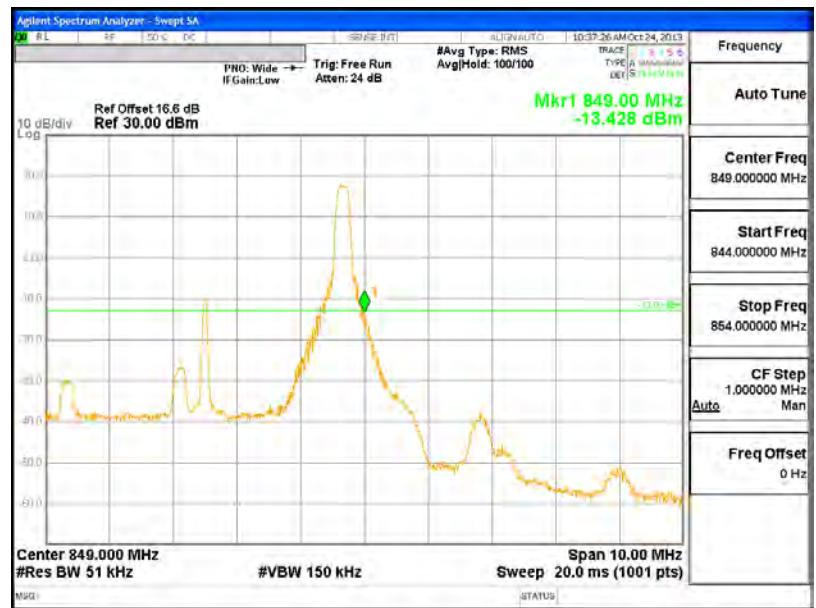


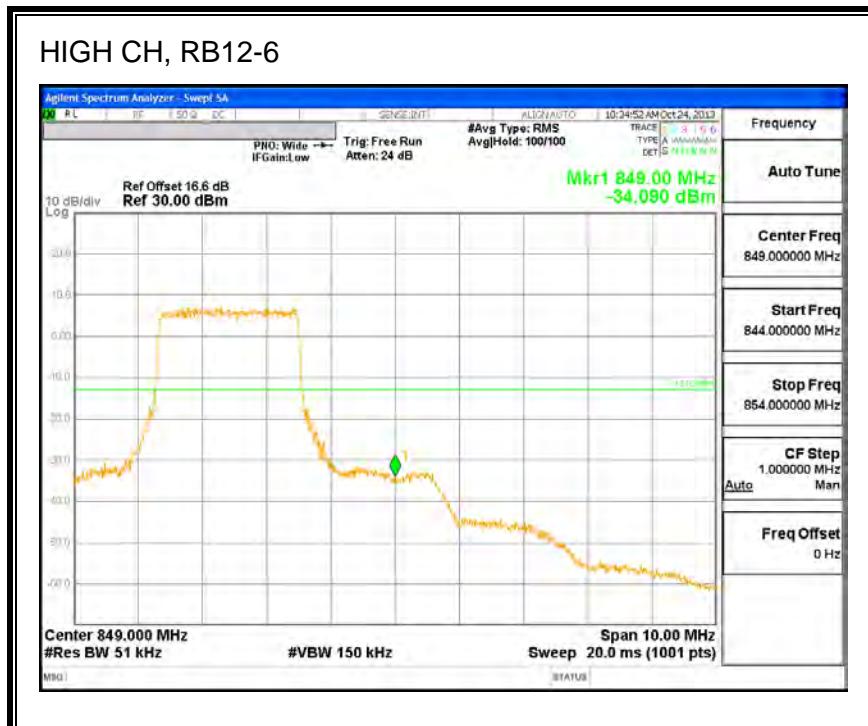
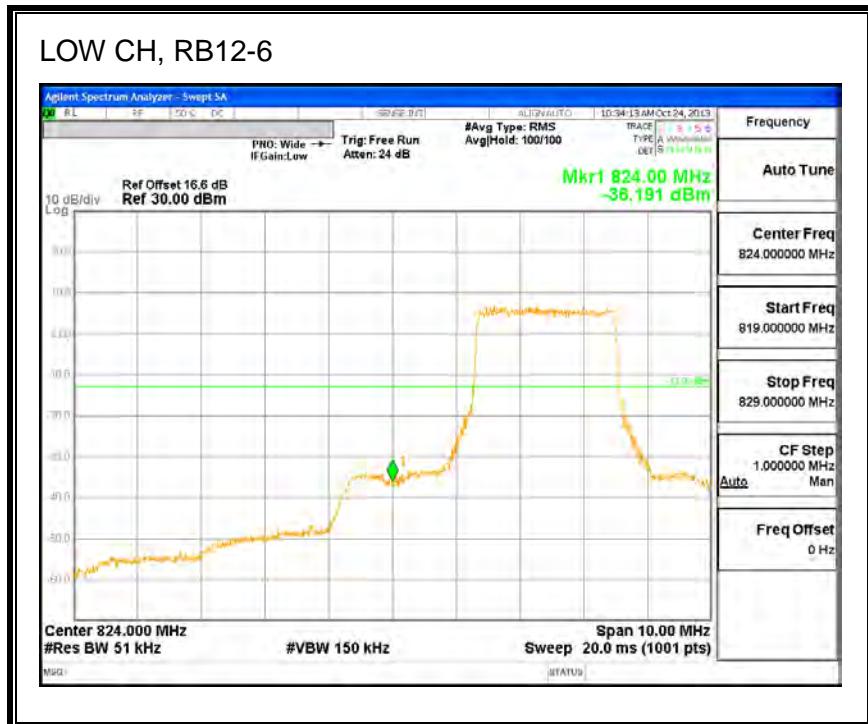
Band 5 (5MHz BANDWIDTH)**LTE QPSK**

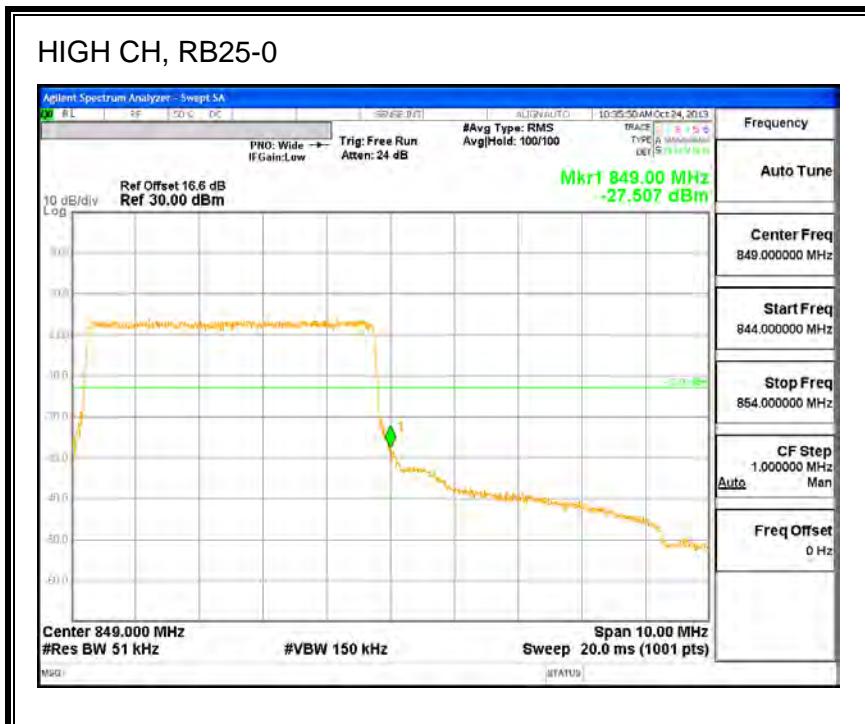
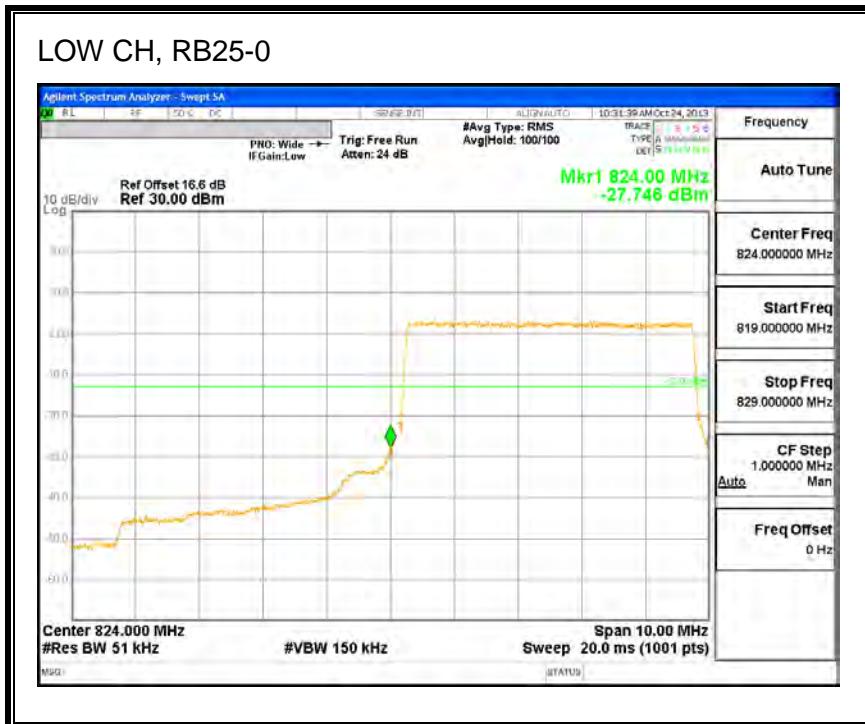
LOW CH, RB1-24

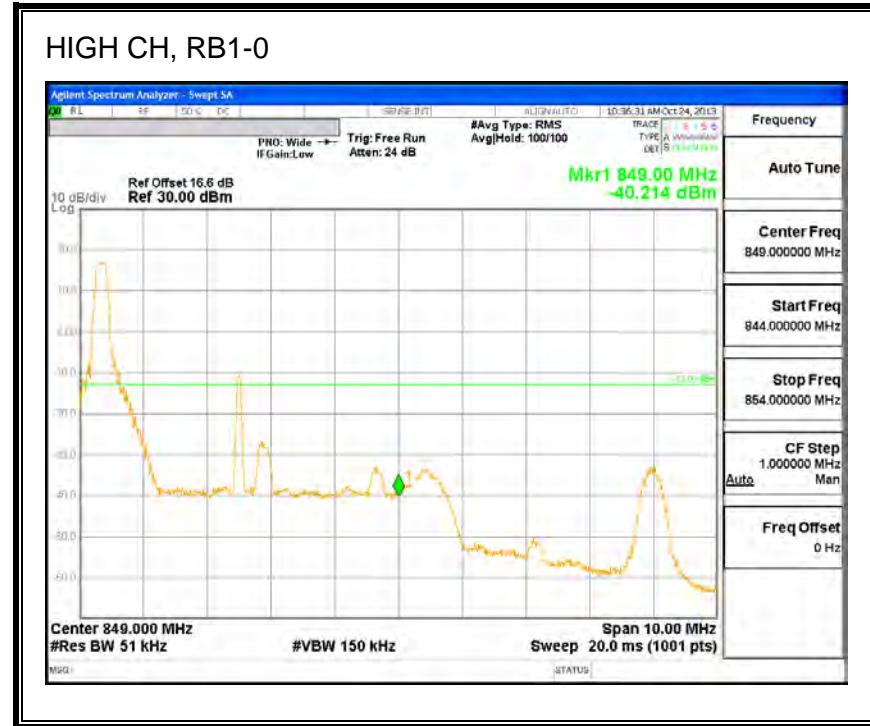
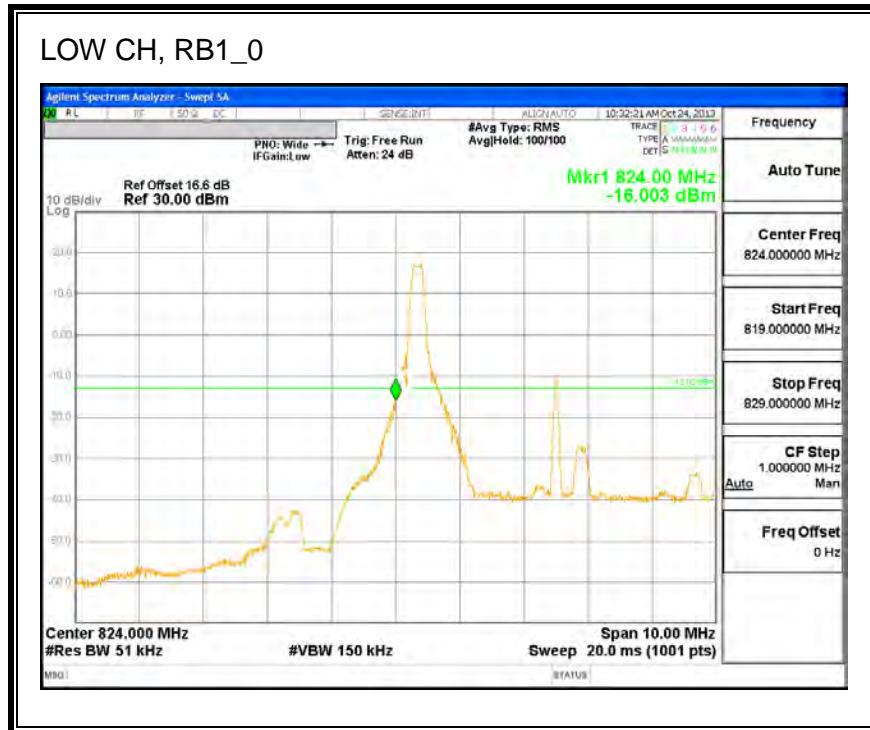


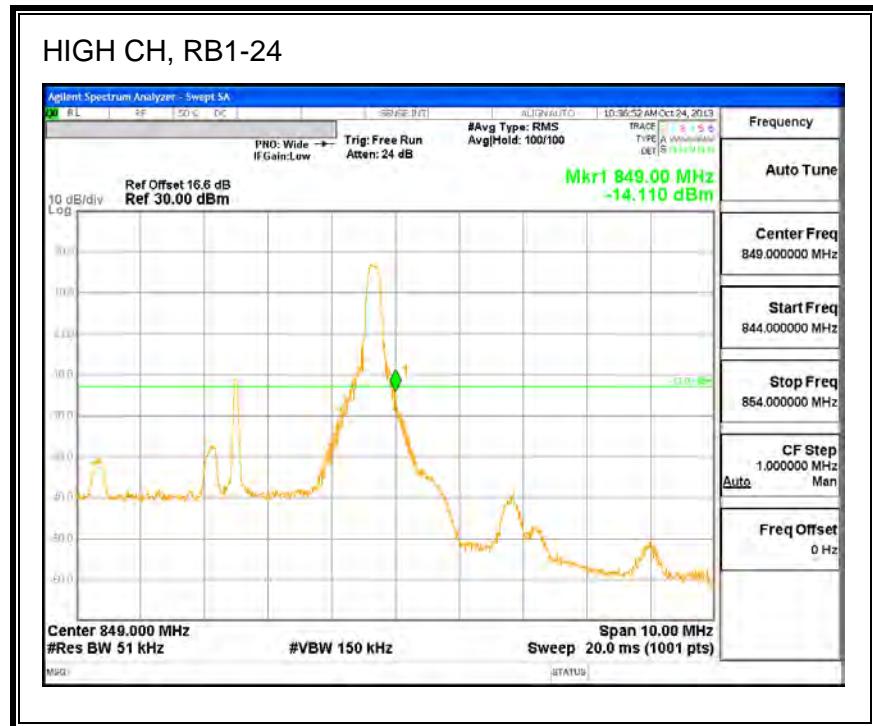
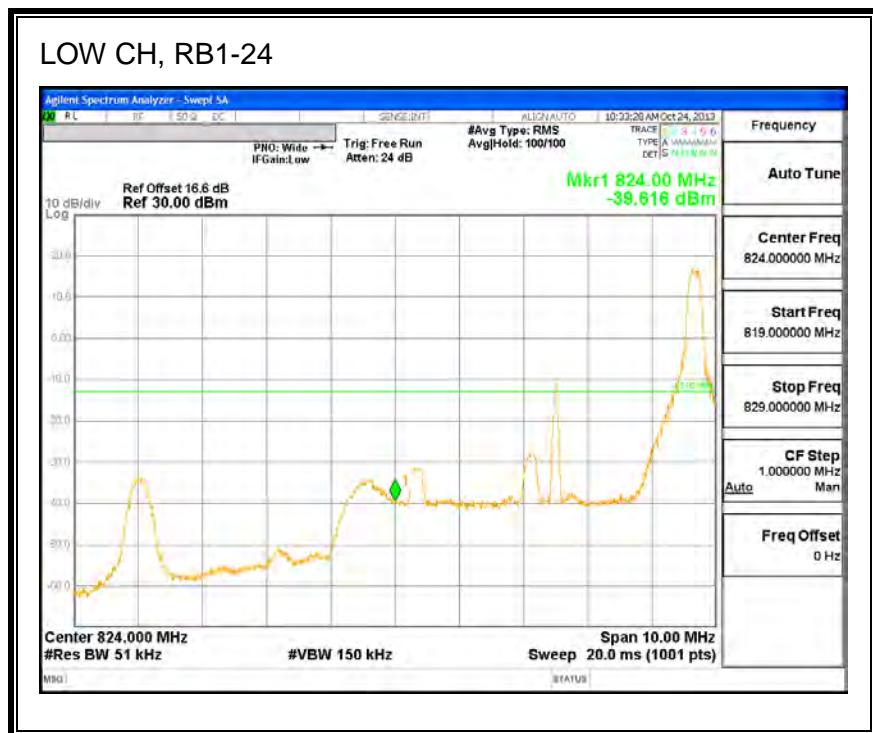
HIGH CH, RB1-24

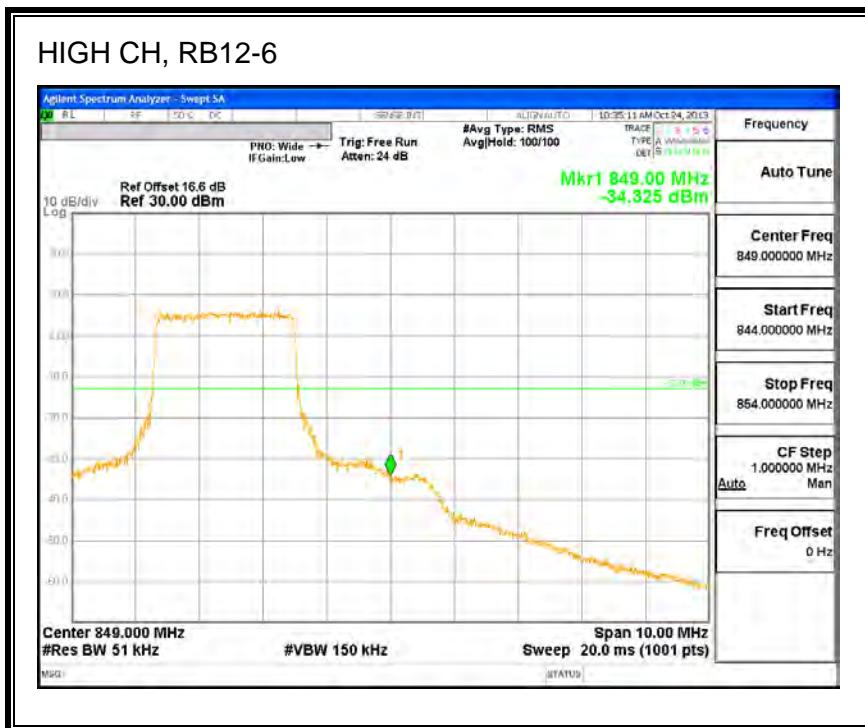
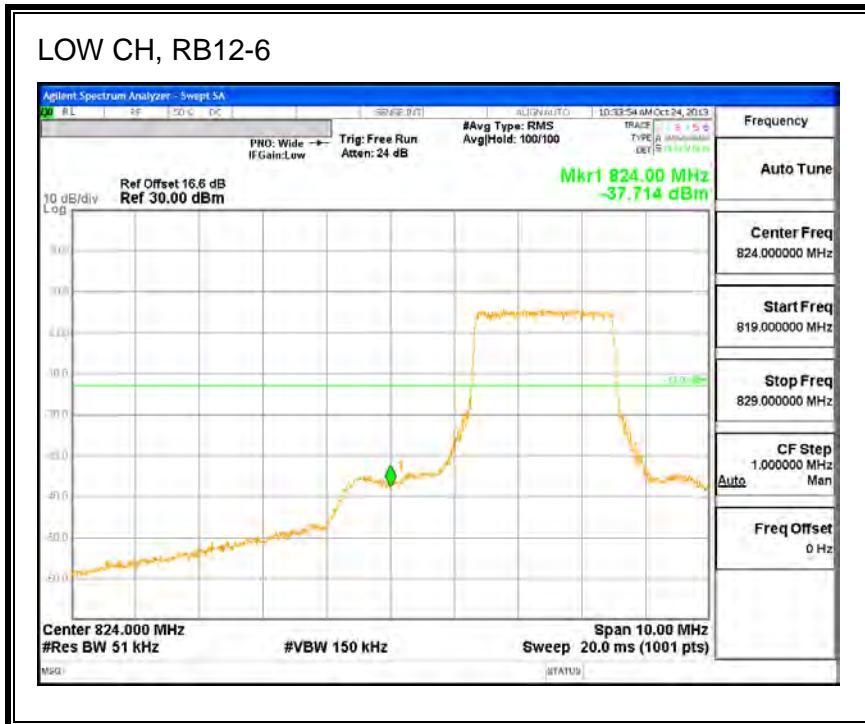


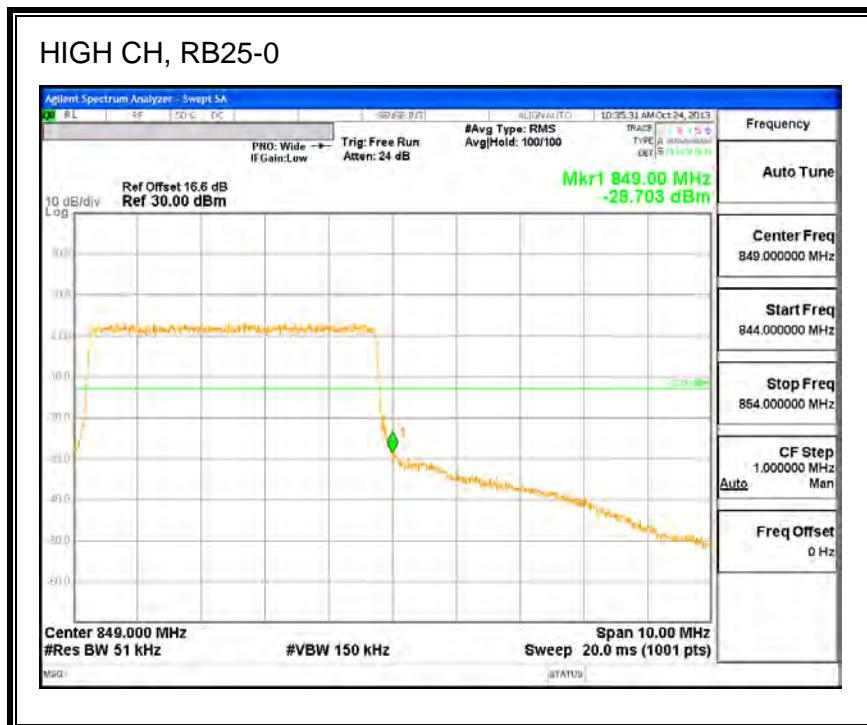
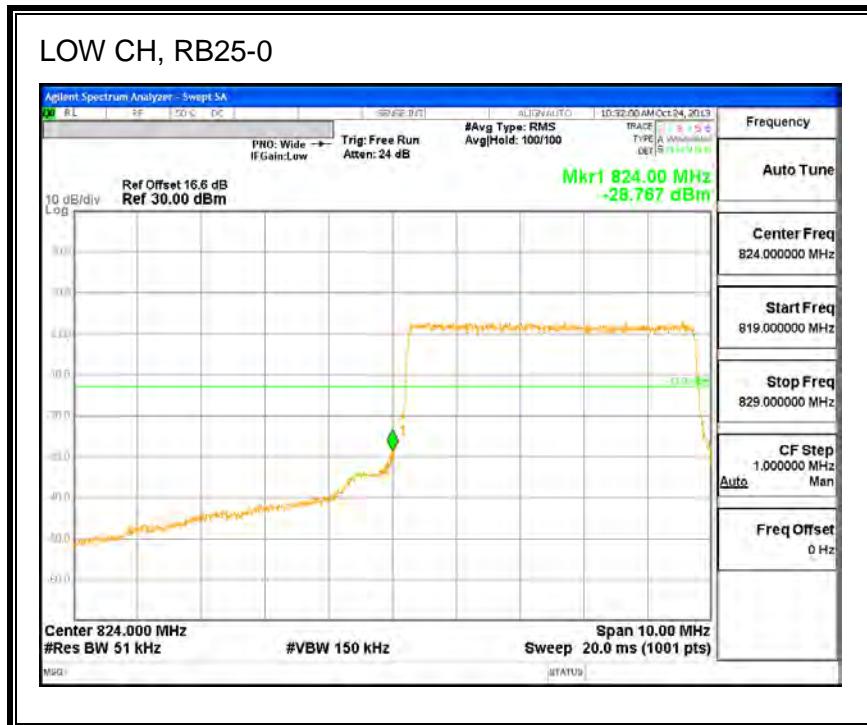


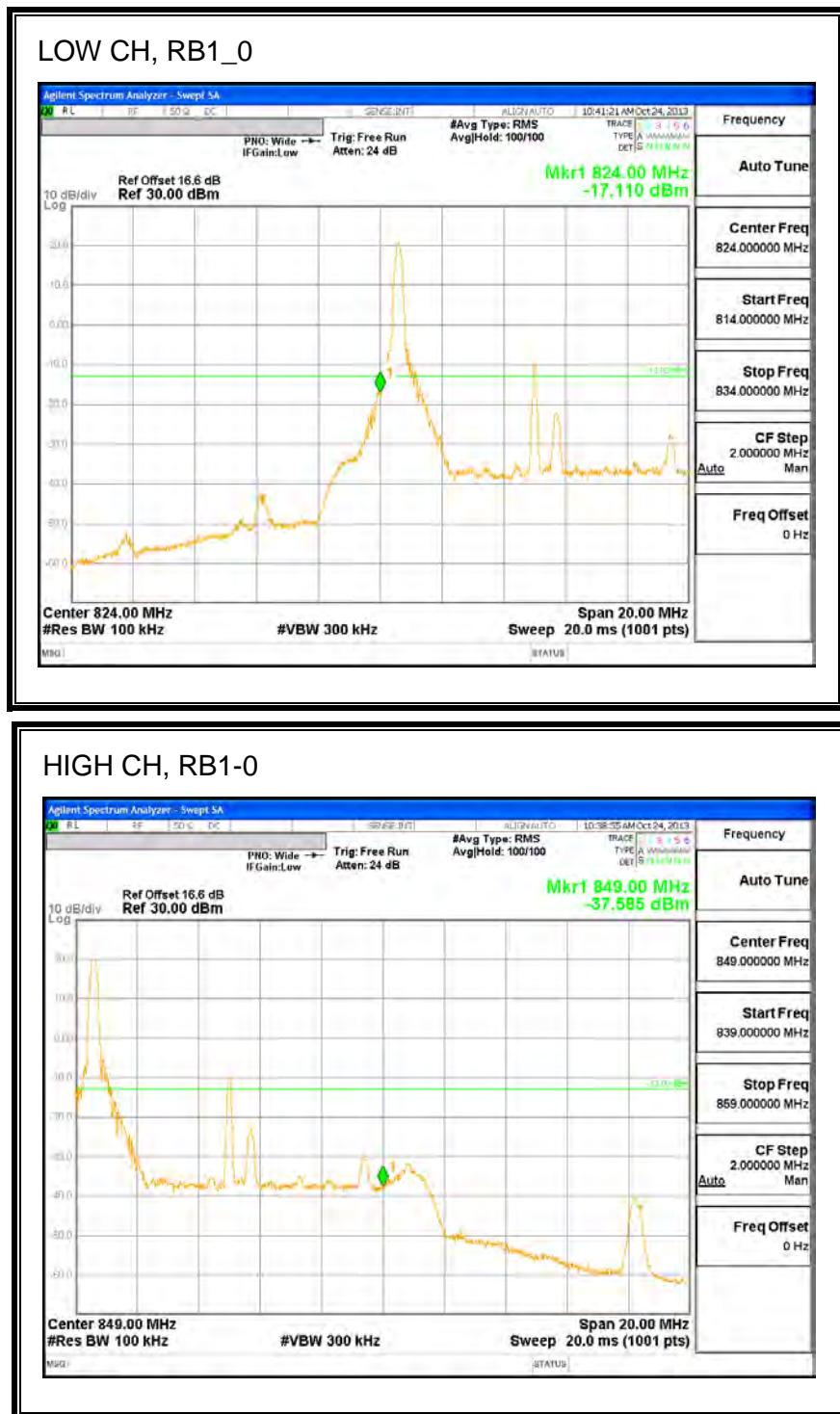


Band 5 (5MHz BANDWIDTH)**LTE 16QAM**

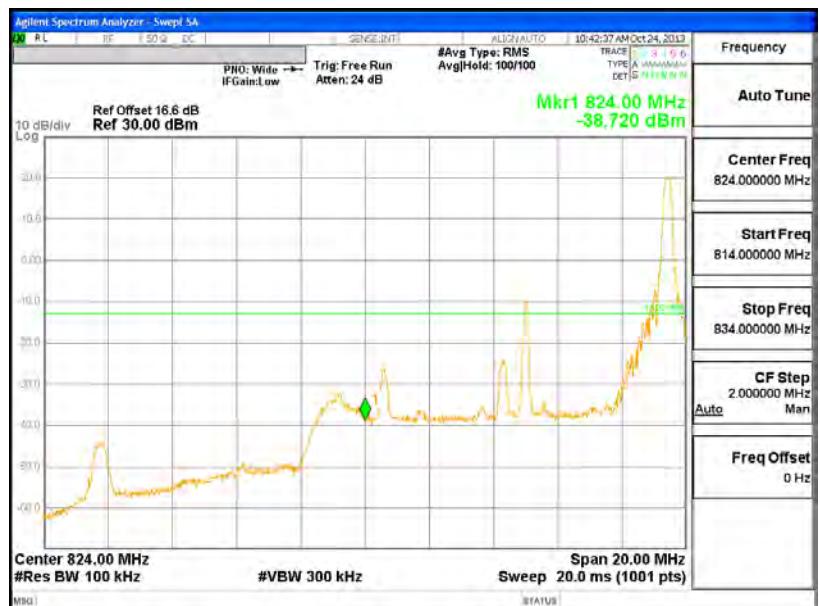






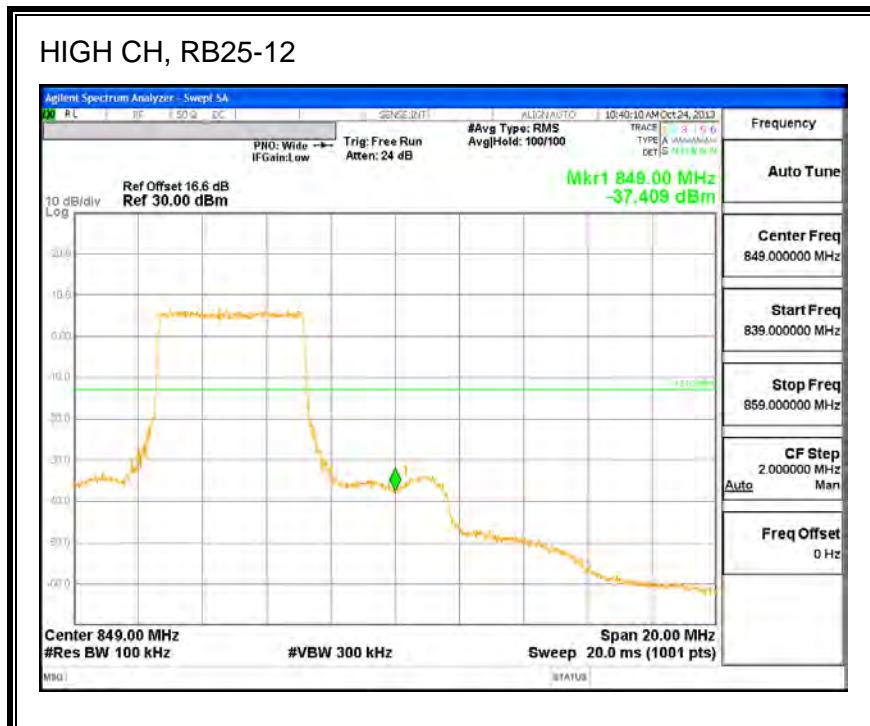
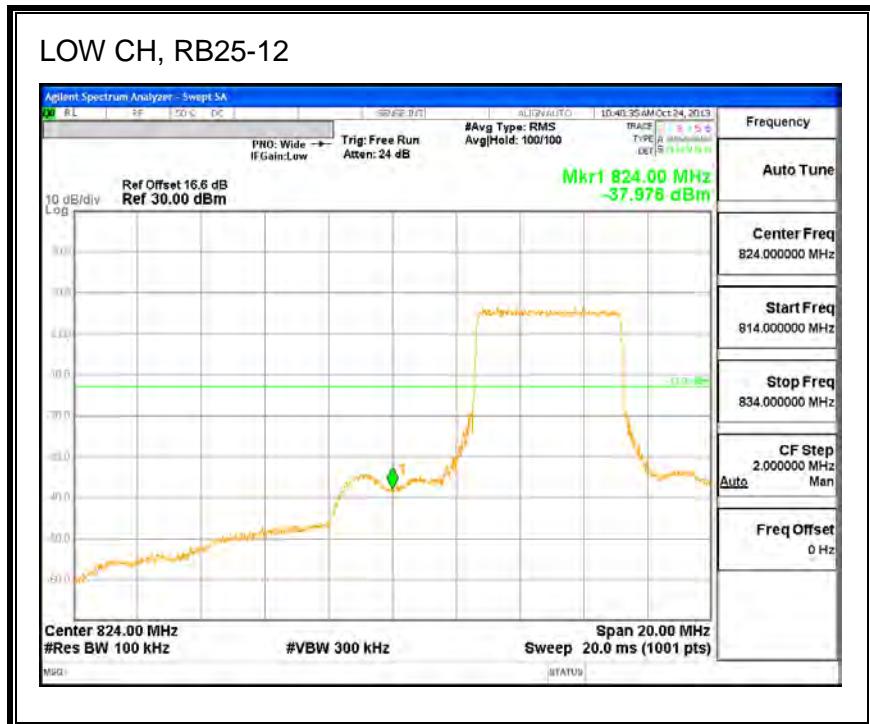
Band 5 (10MHz BANDWIDTH)**LTE QPSK**

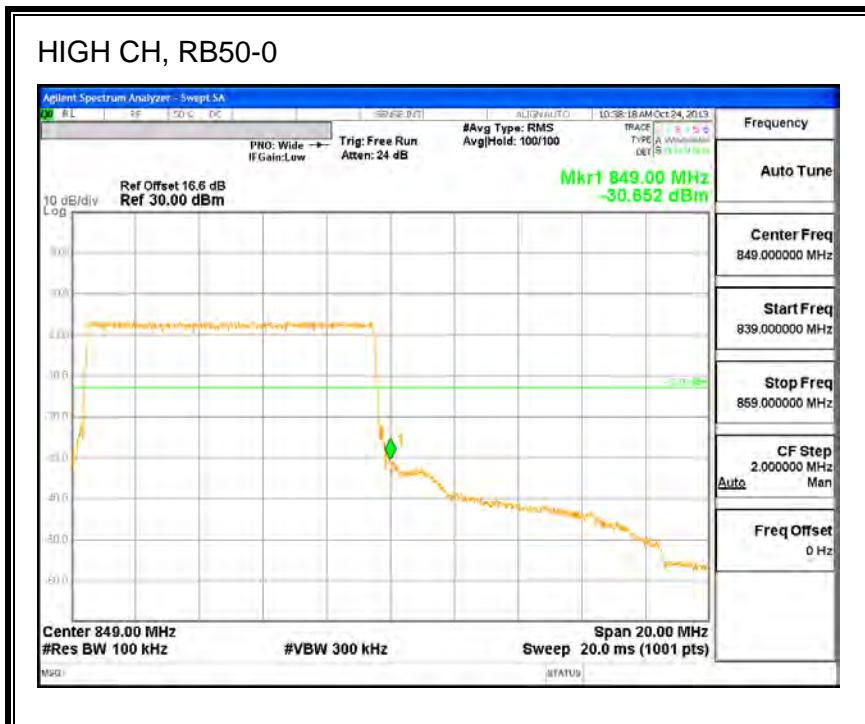
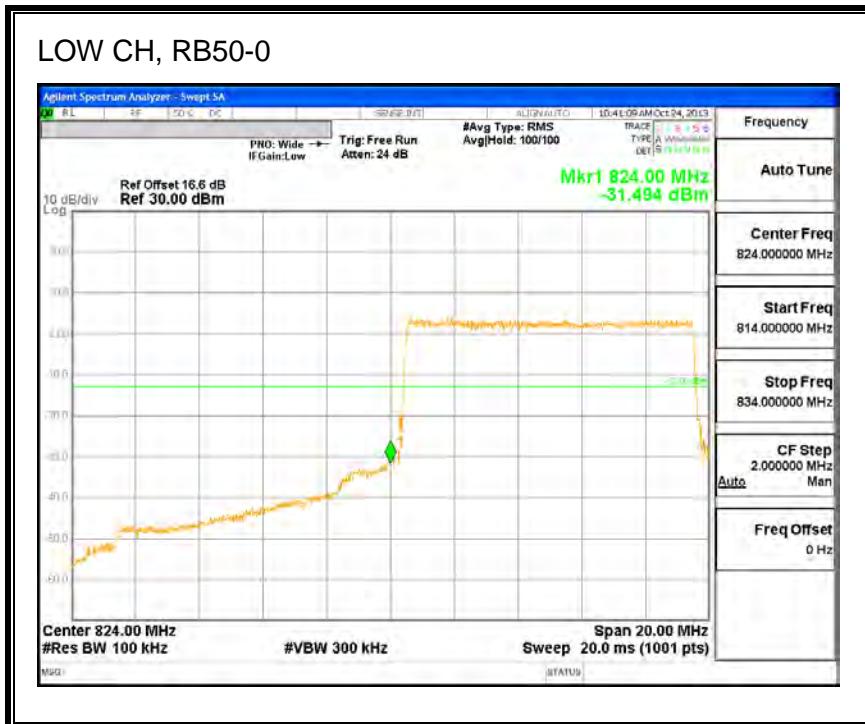
LOW CH, RB1-49



HIGH CH, RB1-49

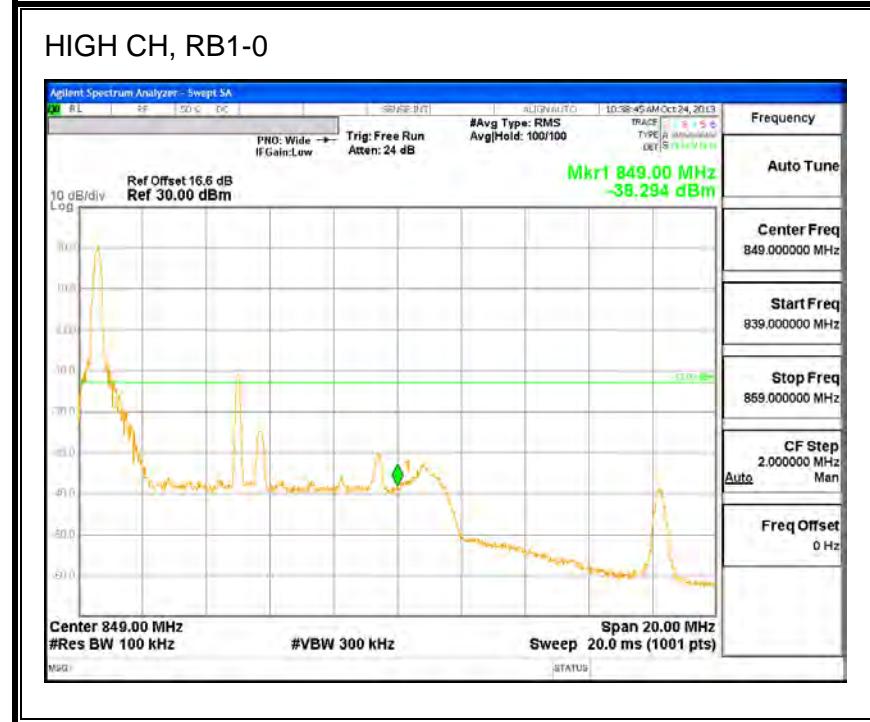
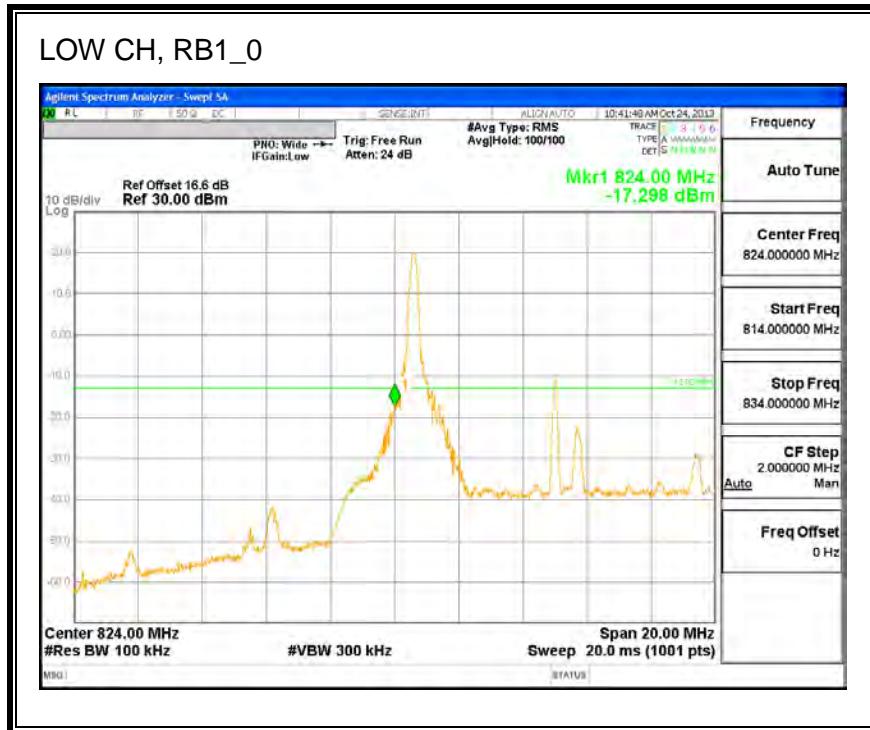


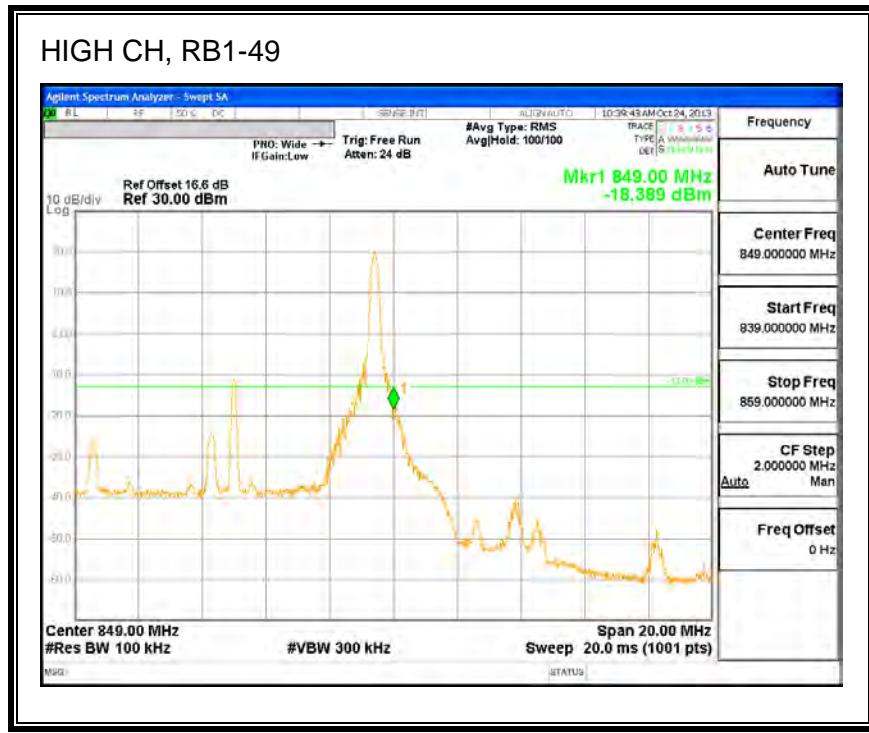
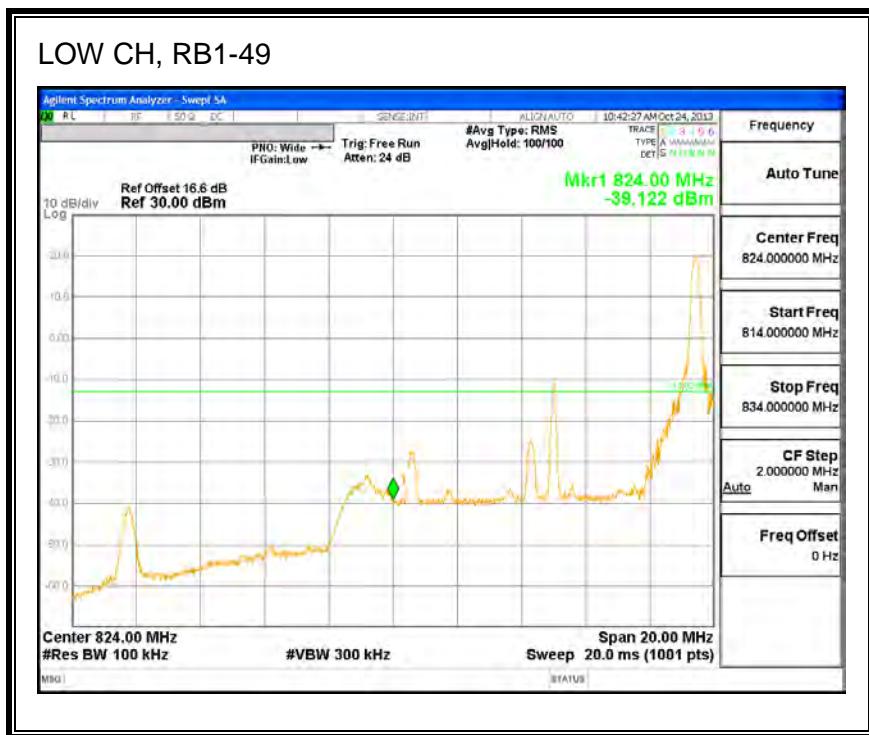


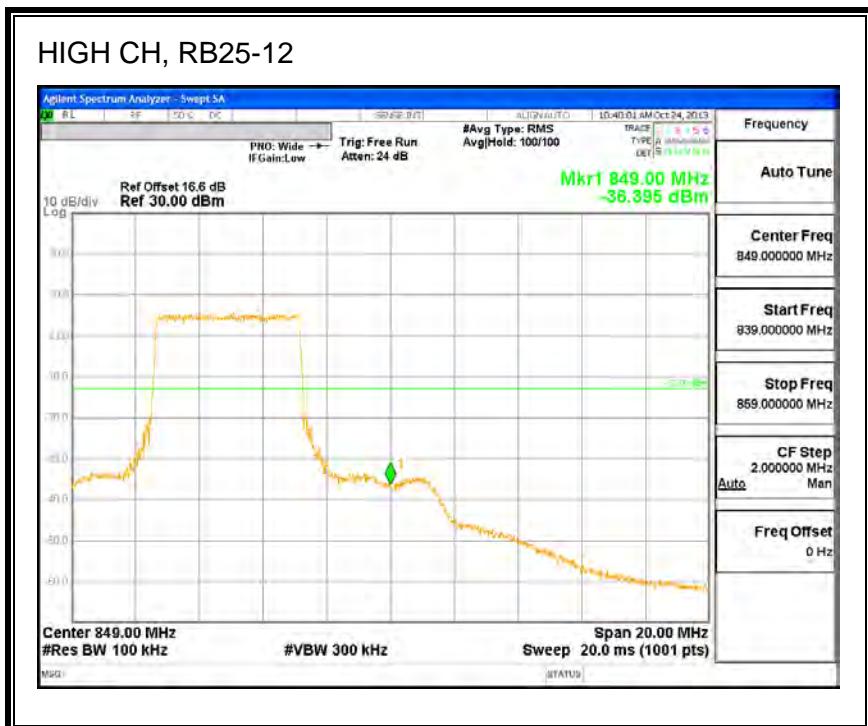
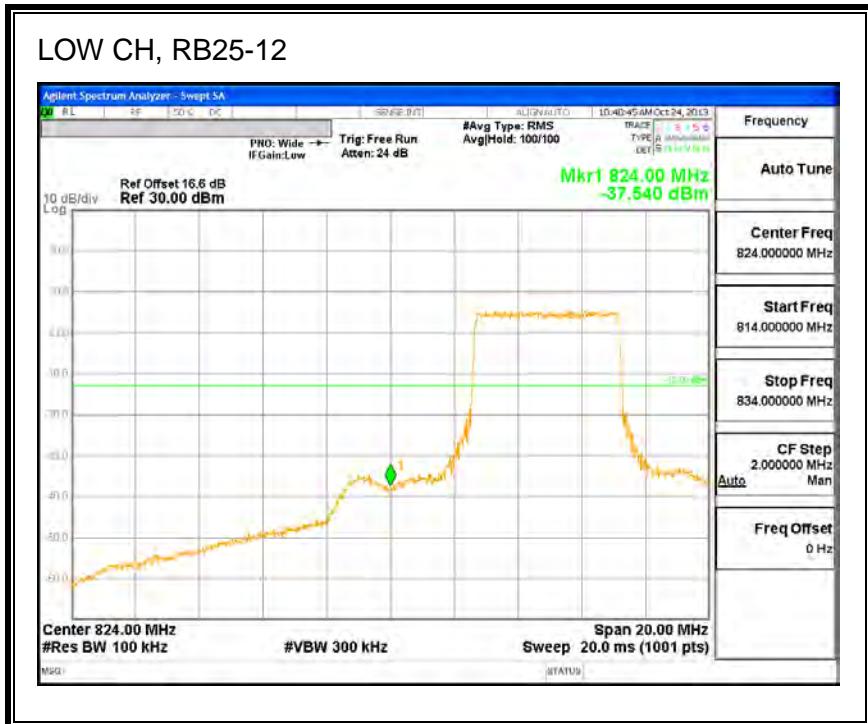


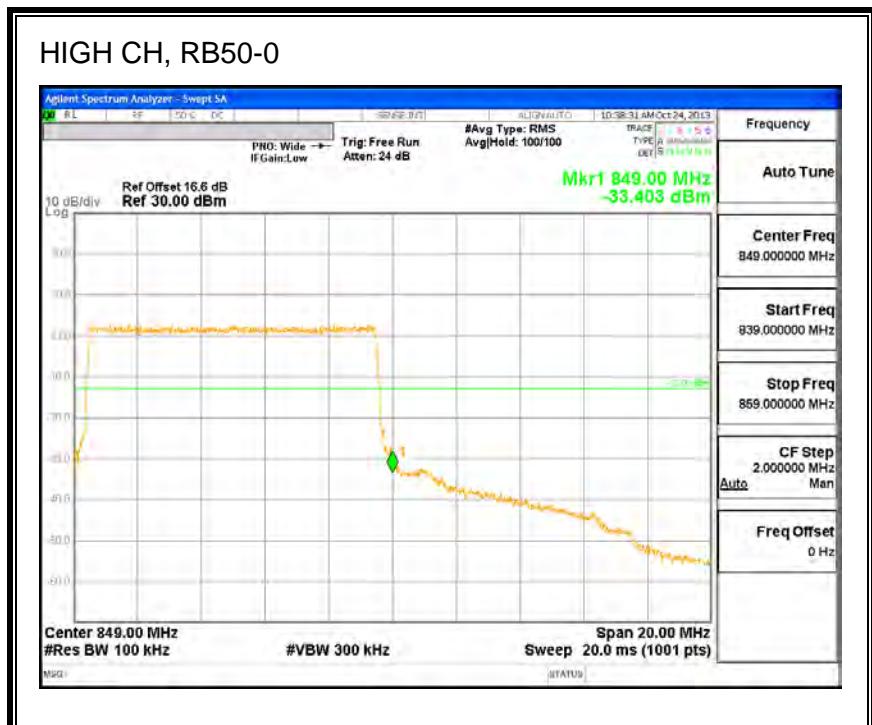
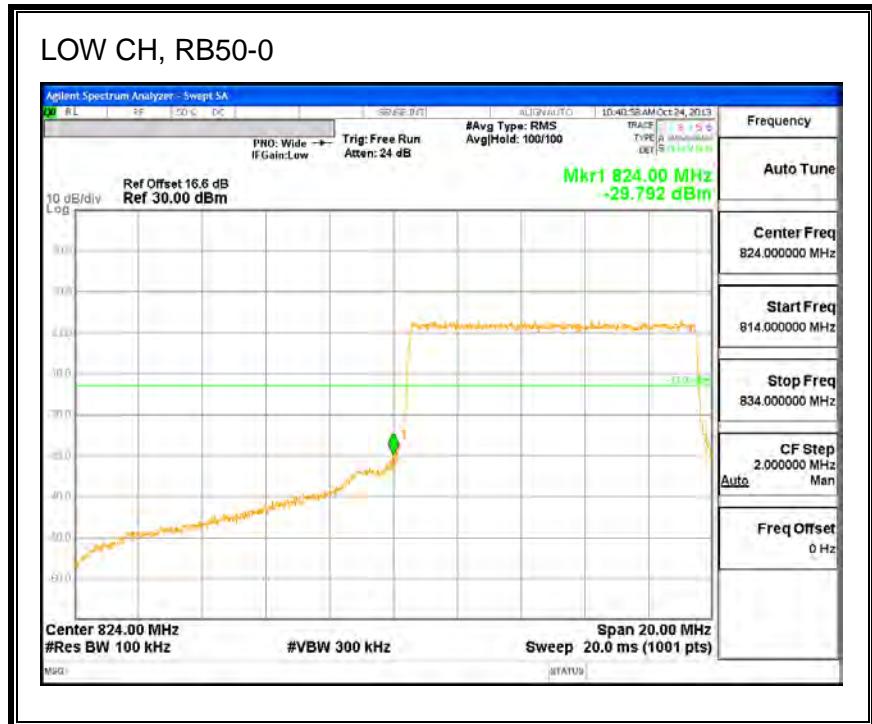
Band 5 (10MHz BANDWIDTH)

LTE 16QAM





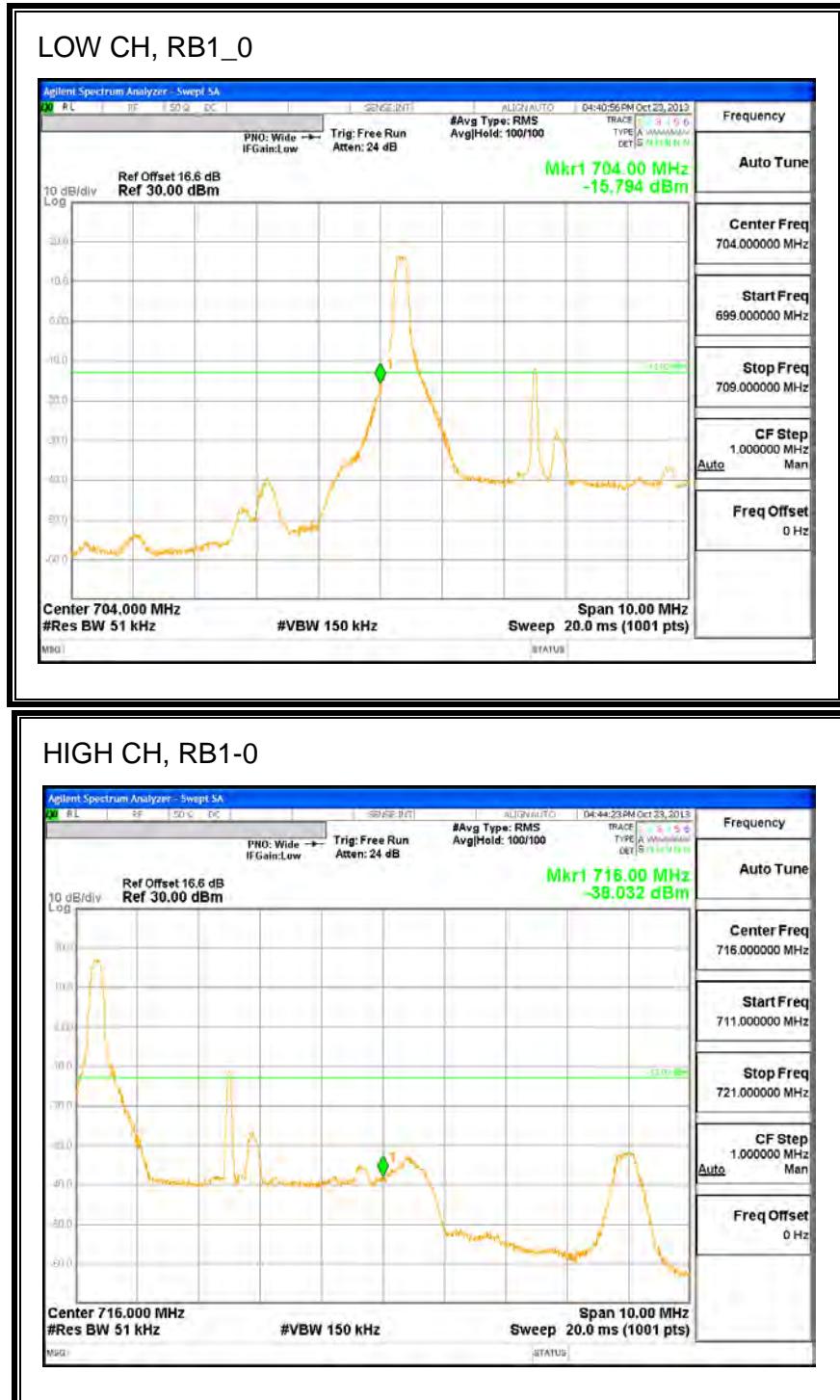




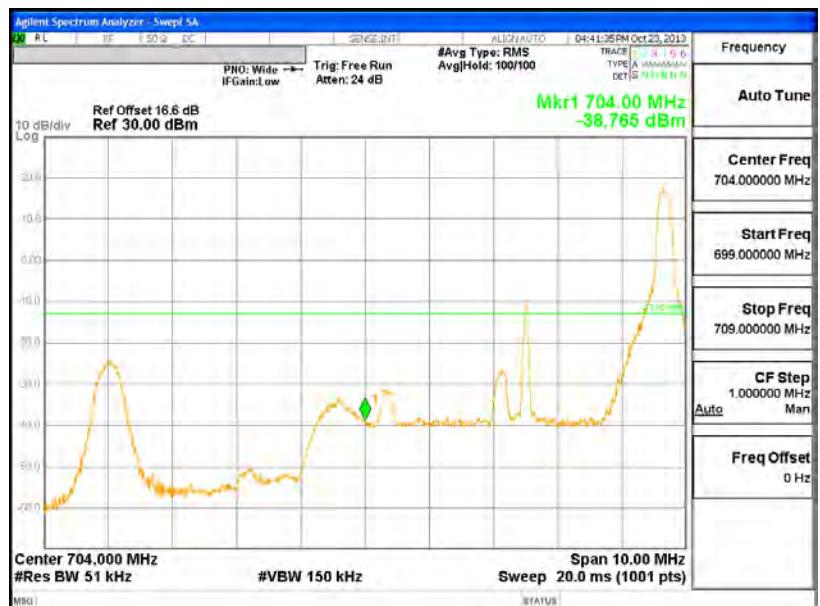
8.2.4. LTE BAND 17

Band 17 (5MHz BANDWIDTH)

LTE QPSK

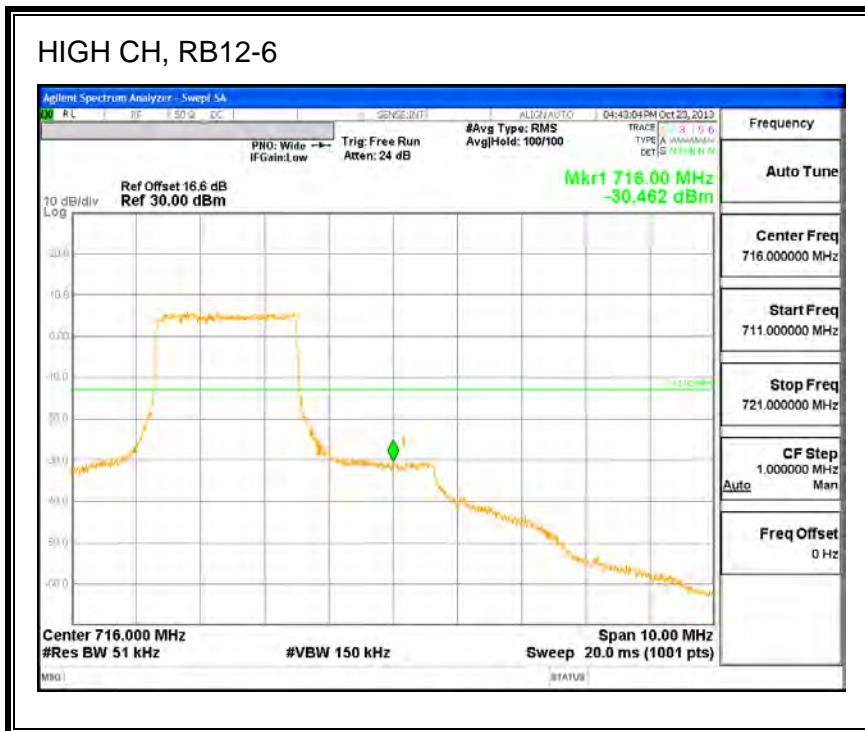
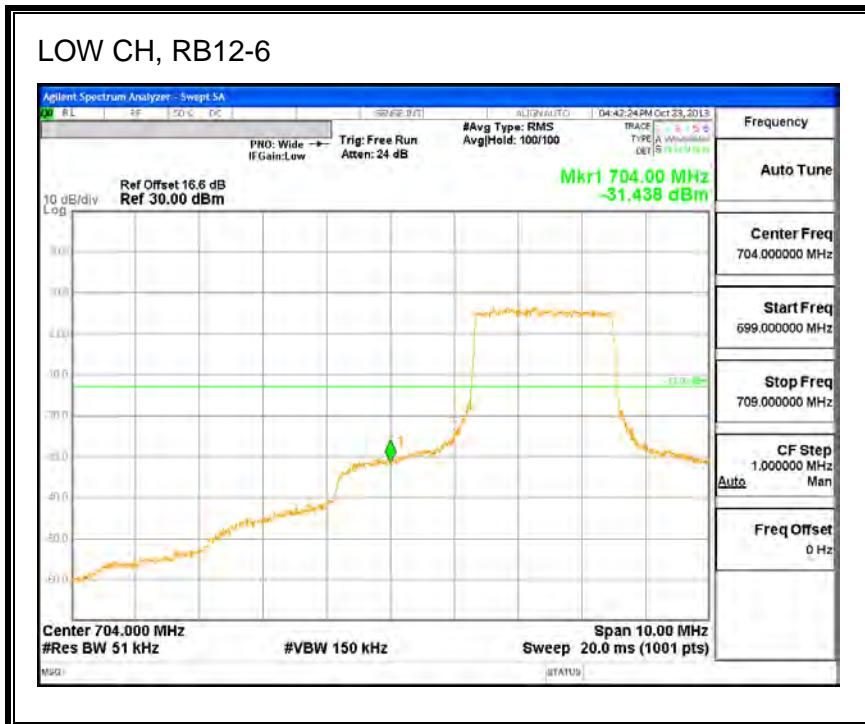


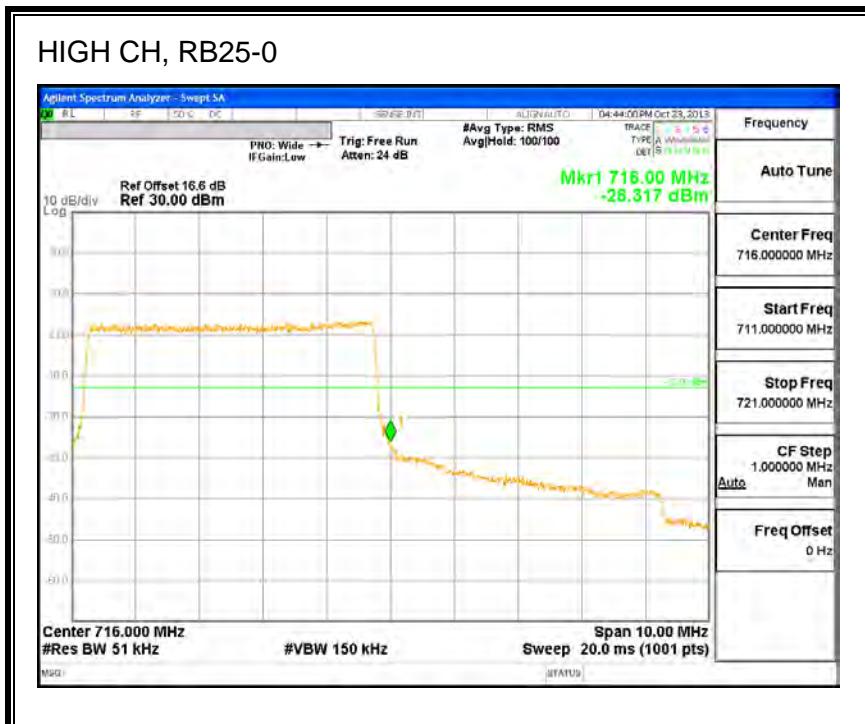
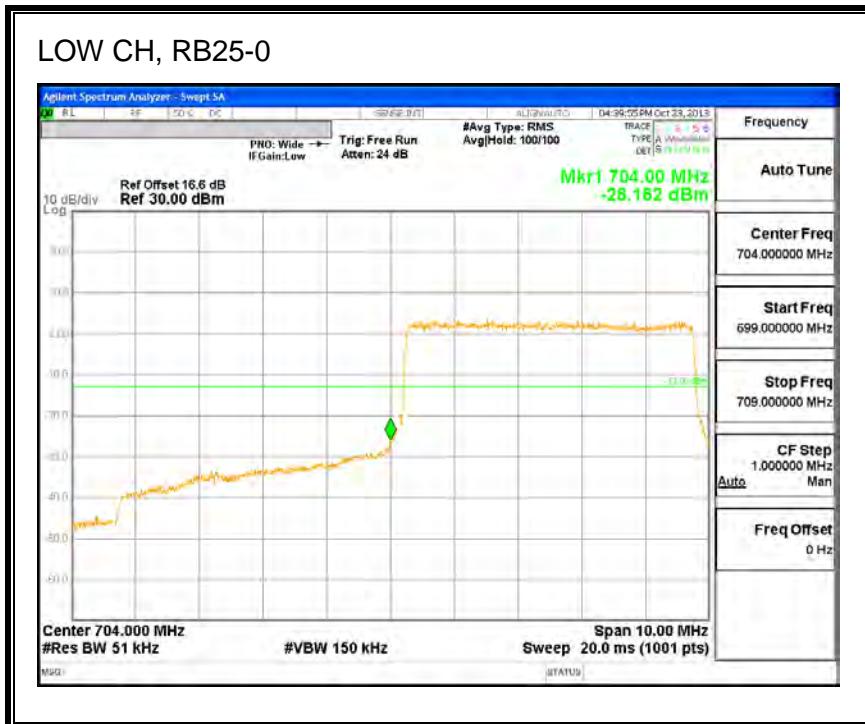
LOW CH, RB1-24

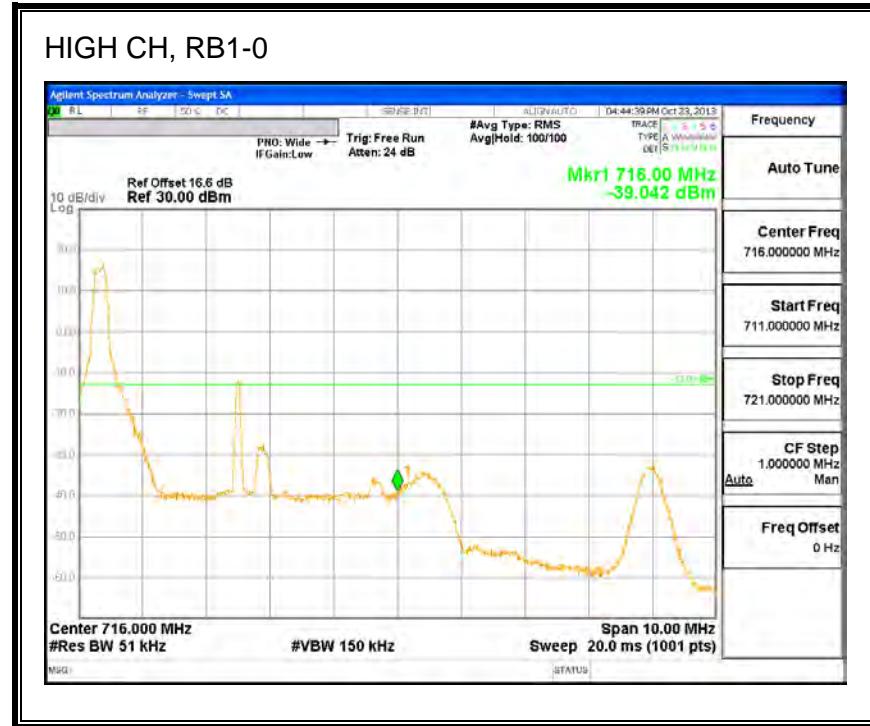
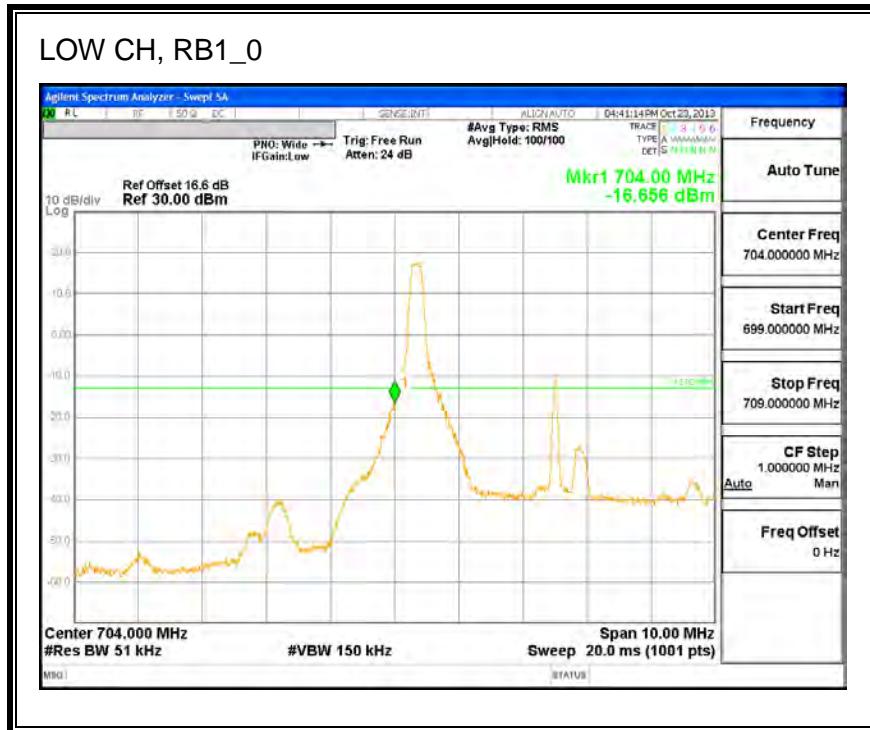


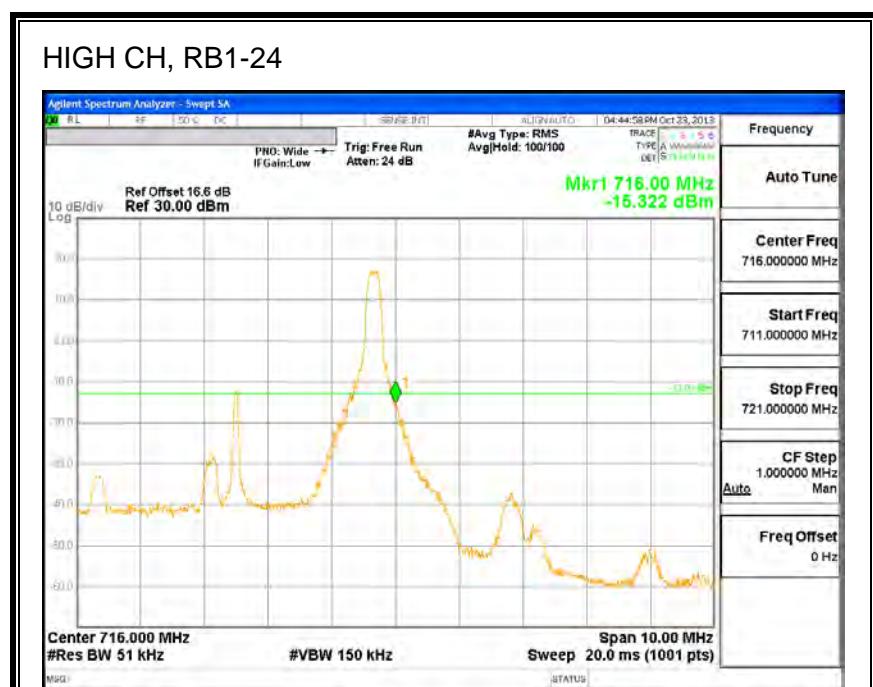
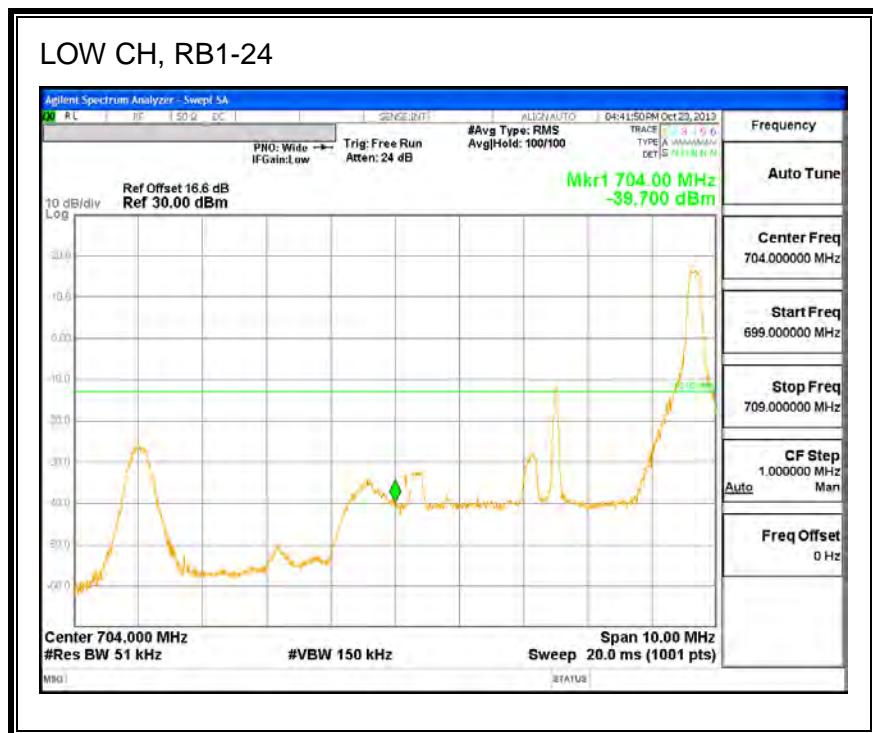
HIGH CH, RB1-24



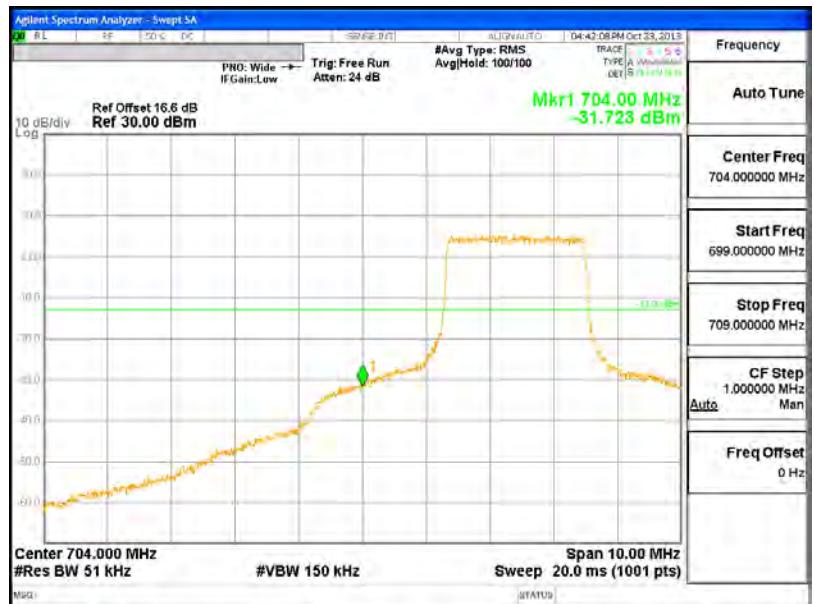




Band 17 (5MHz BANDWIDTH)**LTE 16QAM**

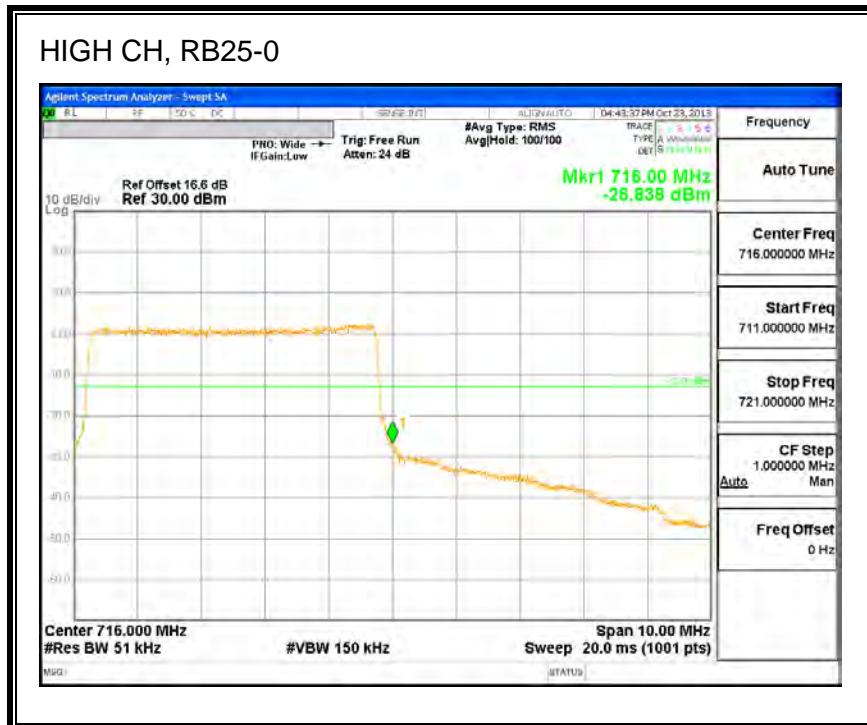
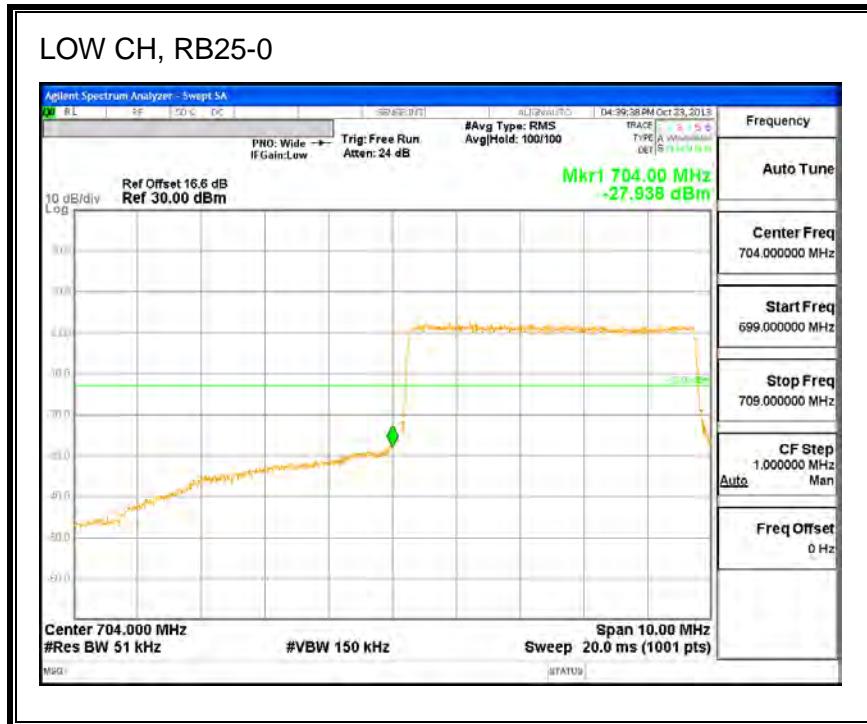


LOW CH, RB12-6



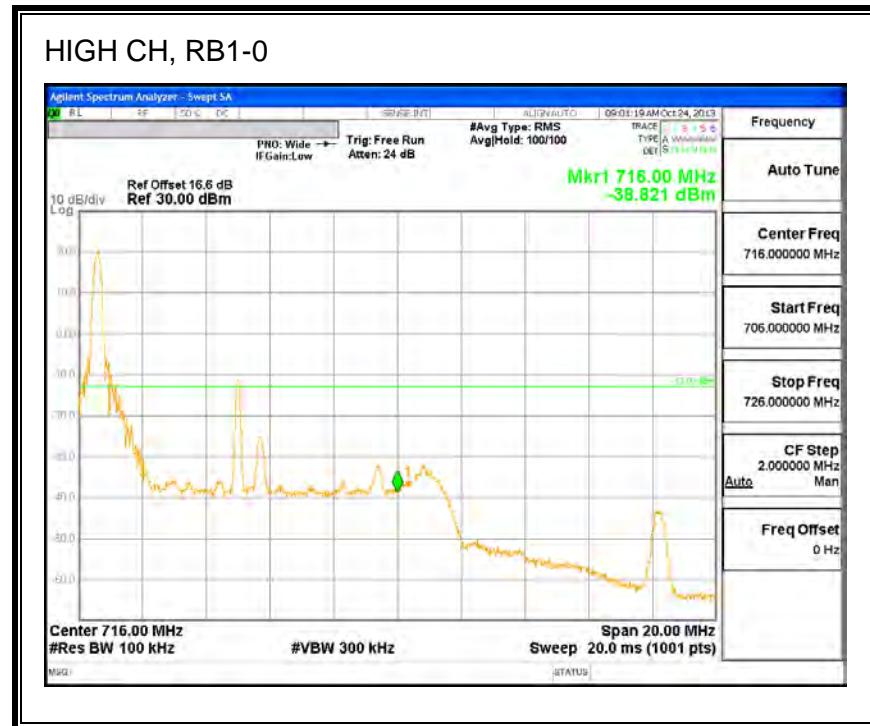
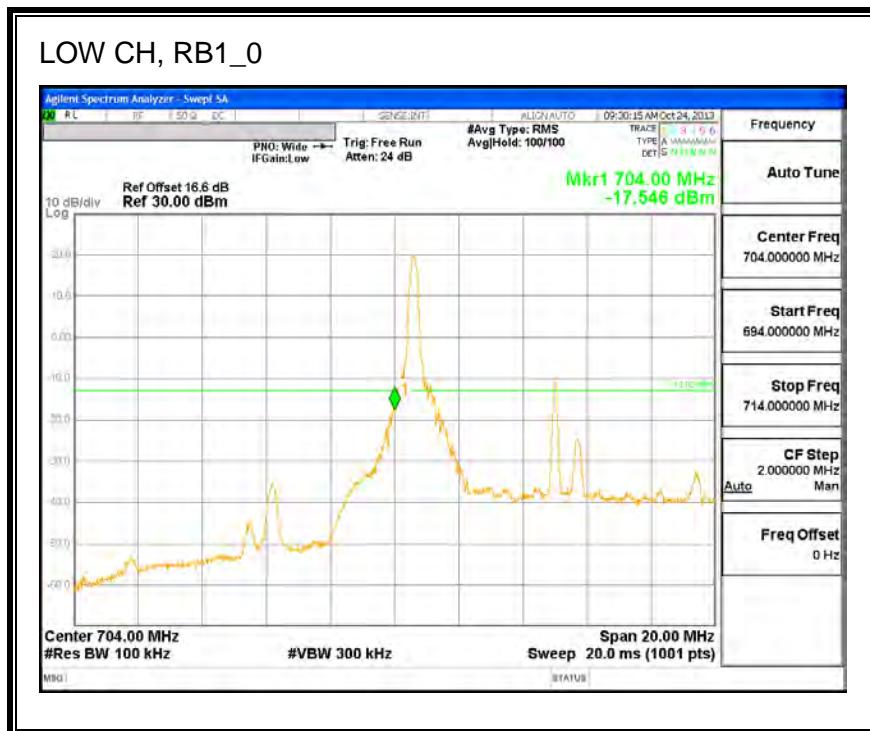
HIGH CH, RB12-6



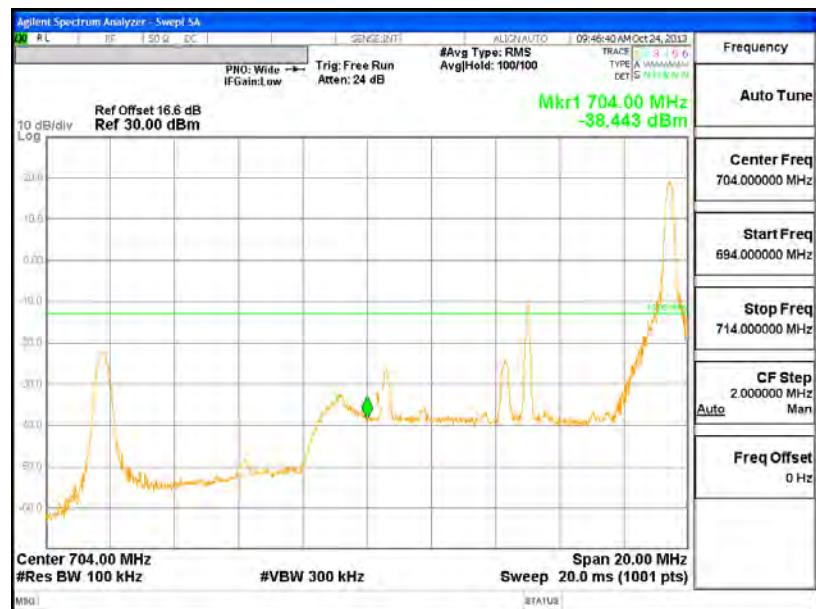


Band 17 (10MHz BANDWIDTH)

LTE QPSK

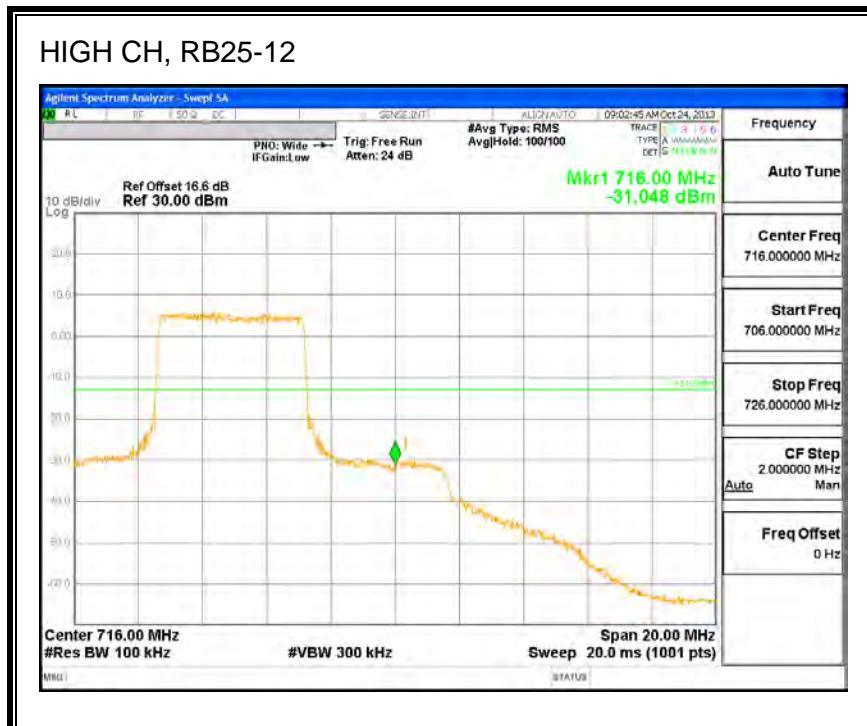
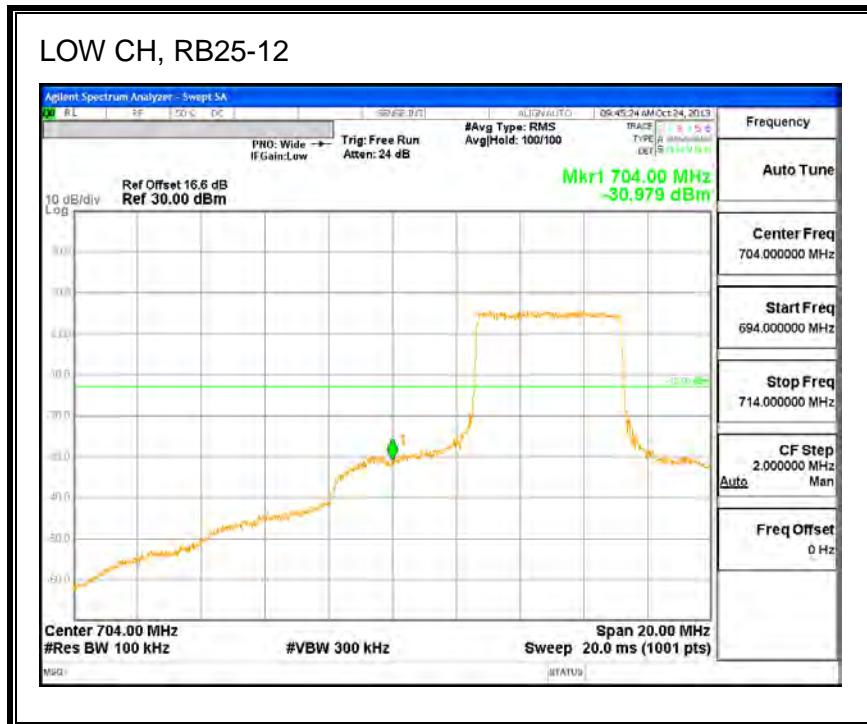


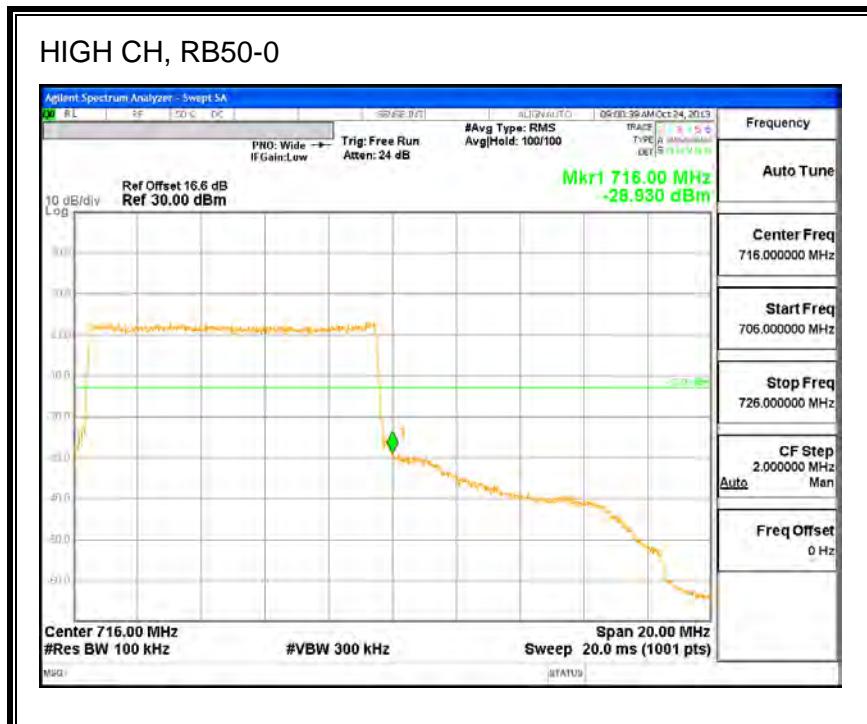
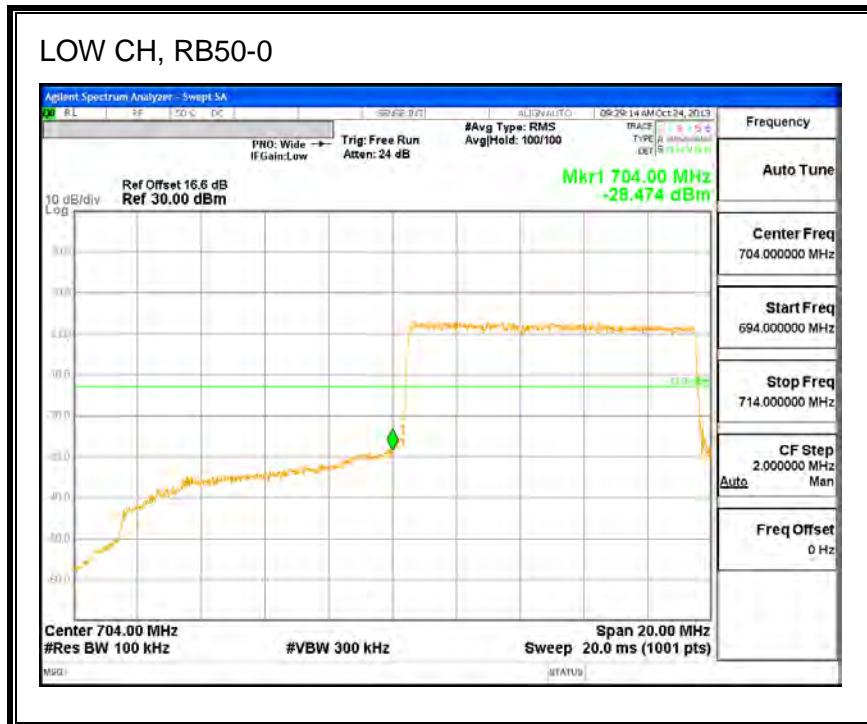
LOW CH, RB1-49

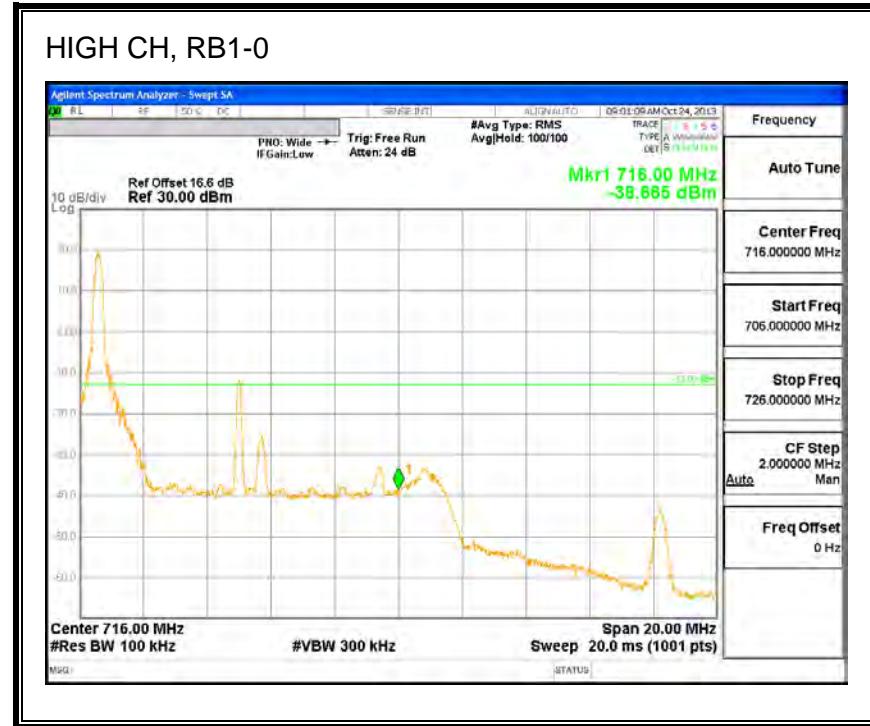
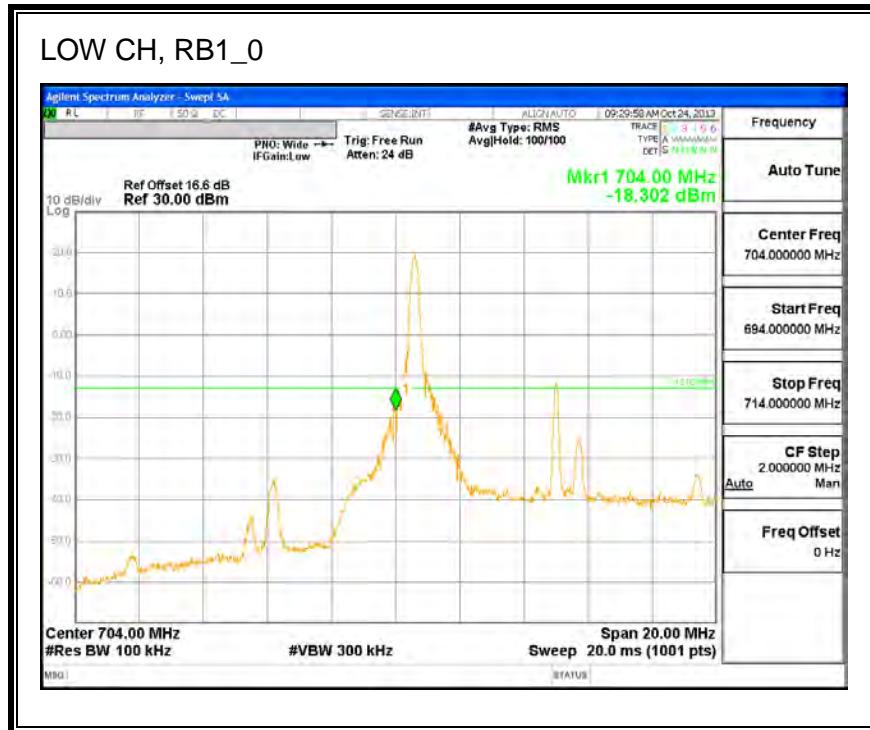


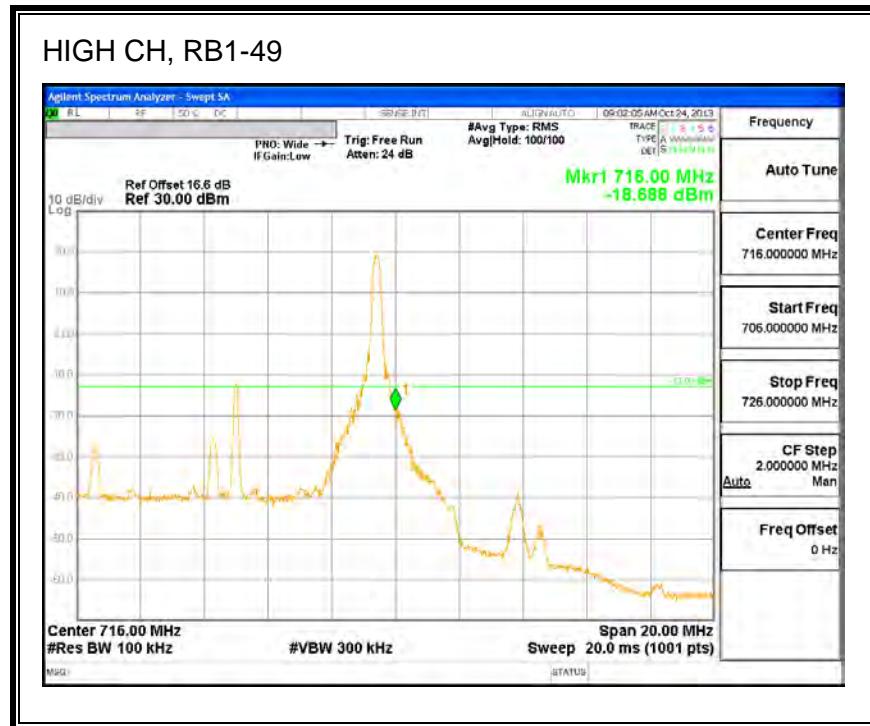
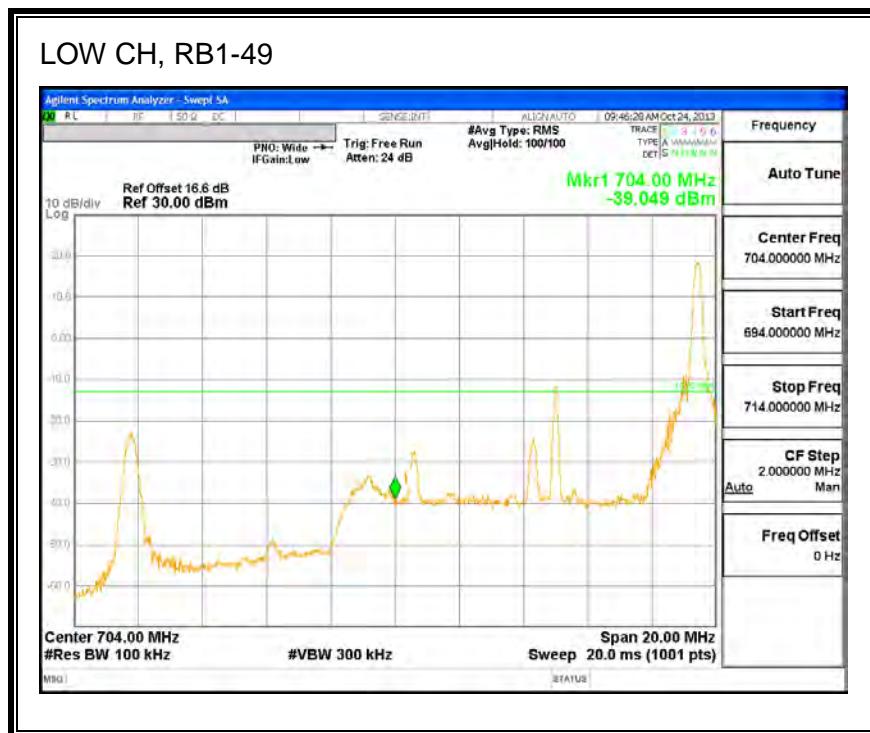
HIGH CH, RB1-49



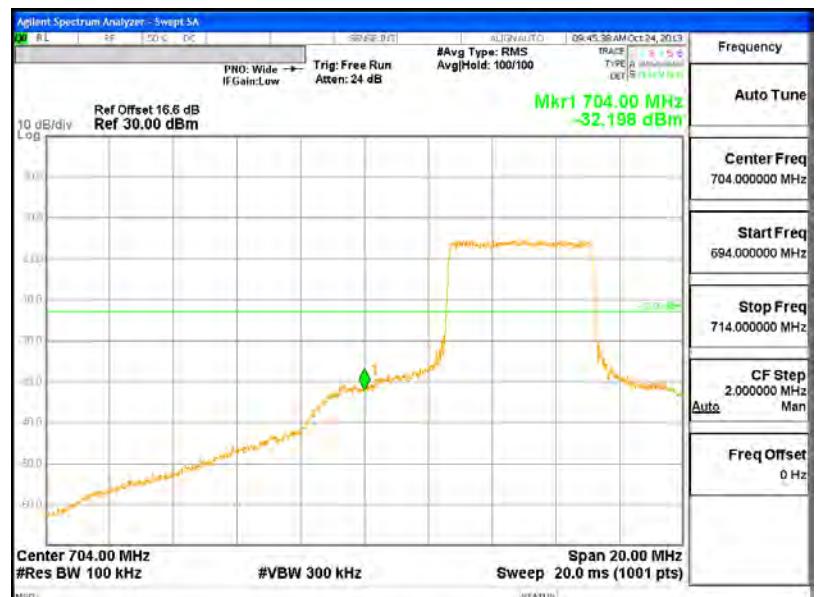




Band 17 (10MHz BANDWIDTH)**LTE 16QAM**

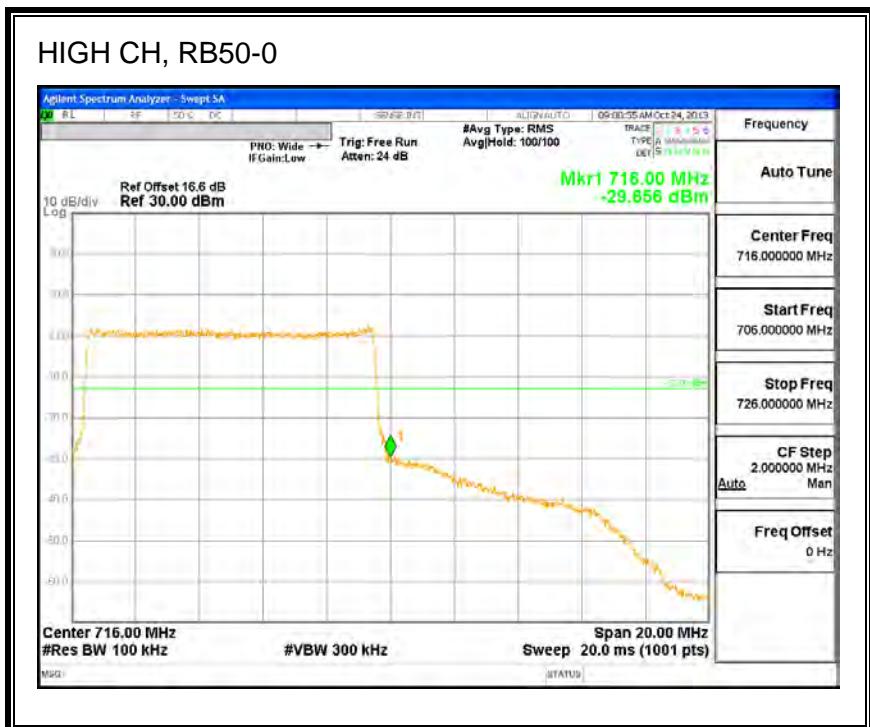
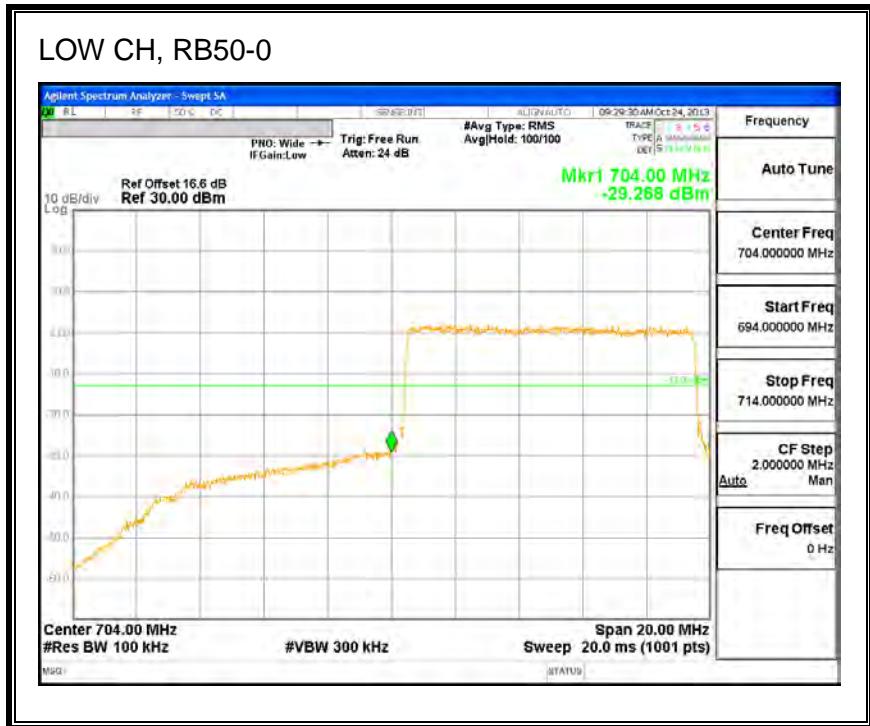


LOW CH, RB25-12



HIGH CH, RB25-12





8.3. OUT OF BAND EMISSIONS

RULE PART(S)

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

LIMITS

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

TEST PROCEDURE

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

For each out of band emissions measurement:

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

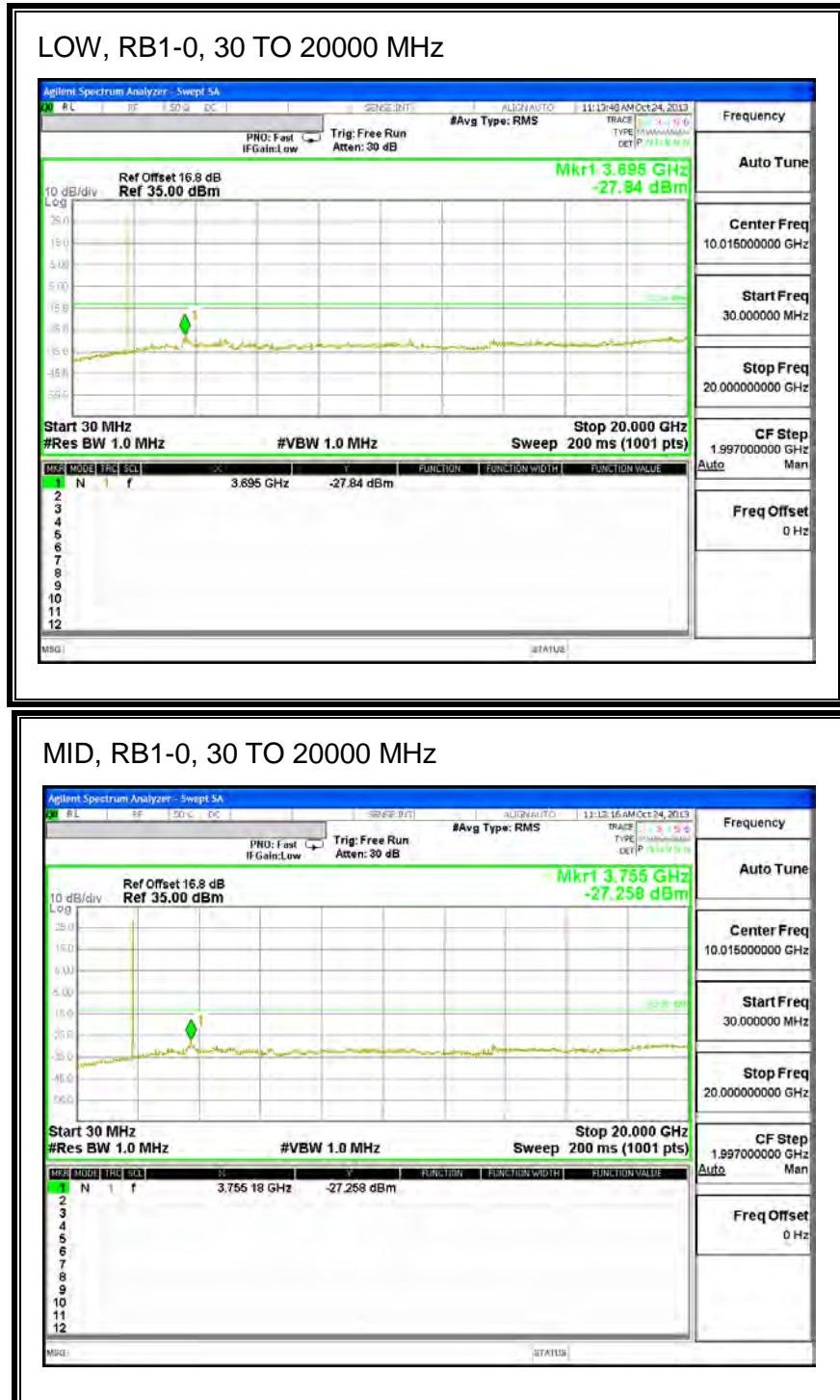
MODES TESTED

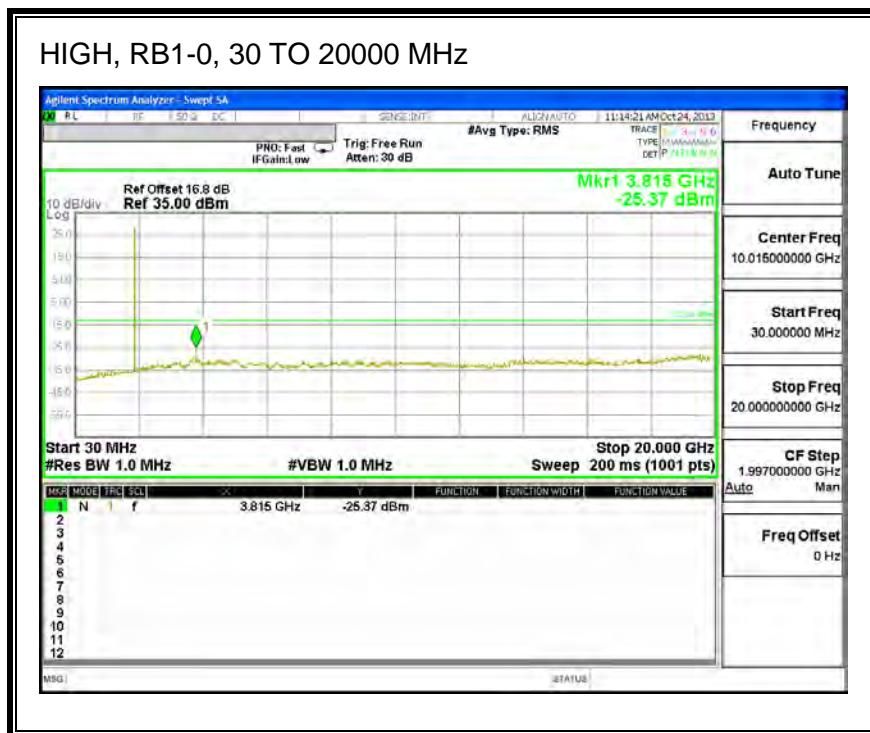
- Band 2
- Band 4
- Band 5
- Band 17

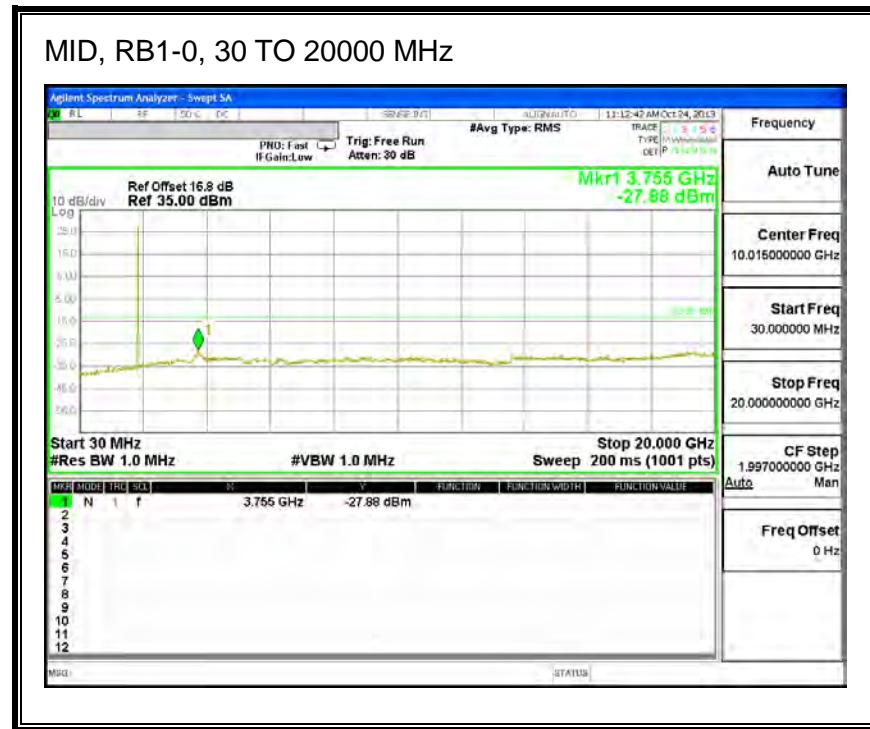
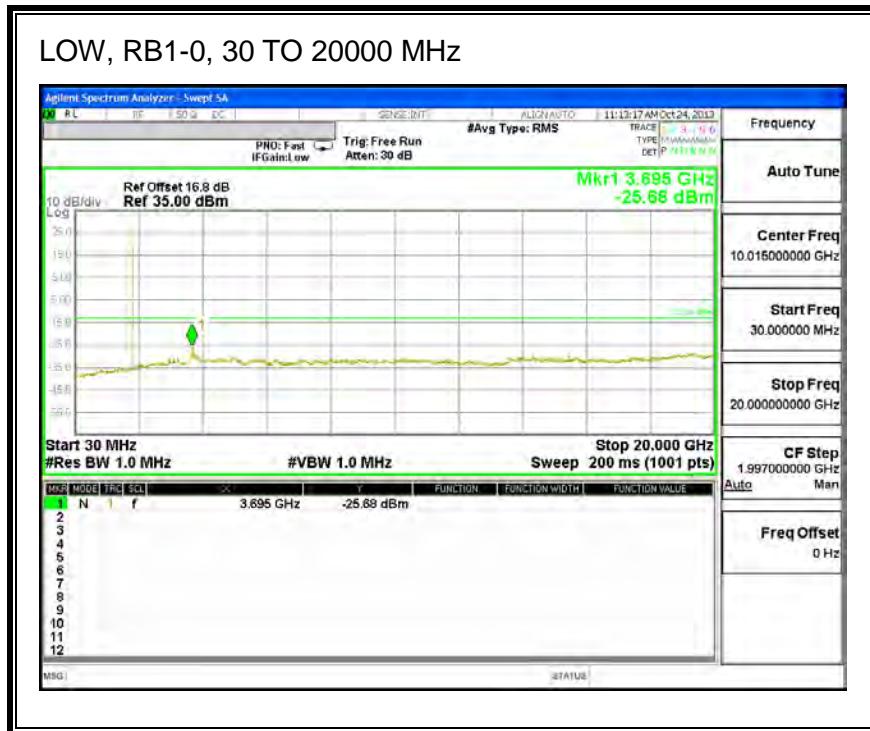
8.3.1. LTE BAND 2

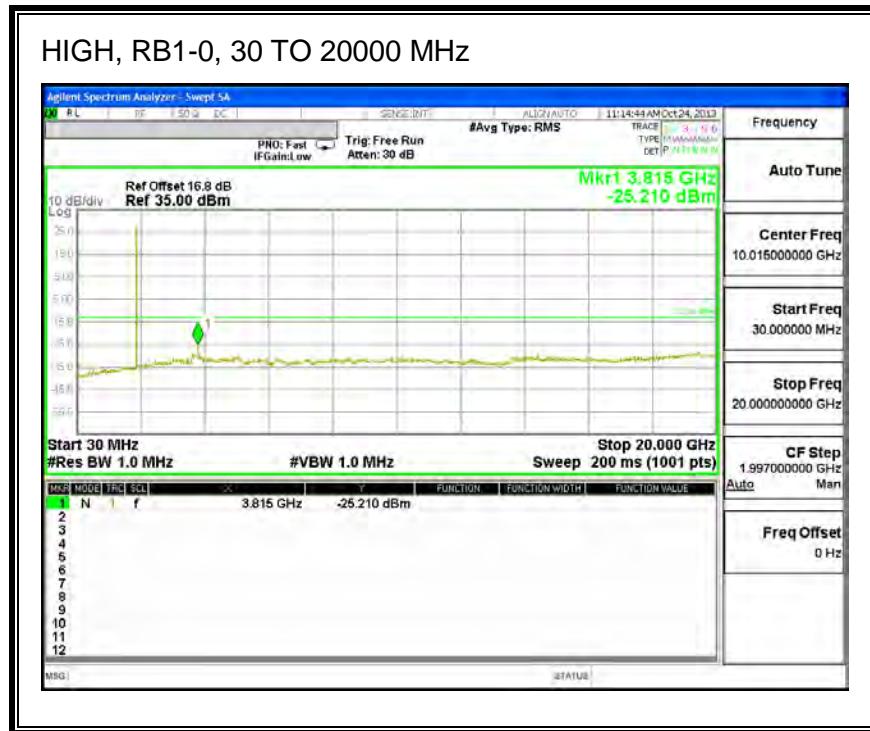
Band 2 (1.4 MHz BANDWIDTH)

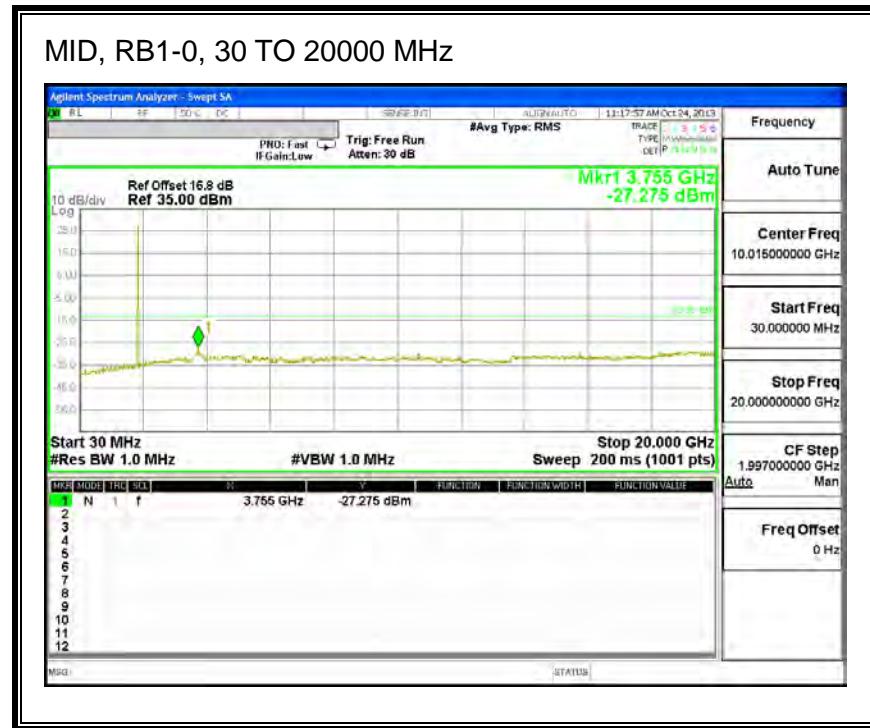
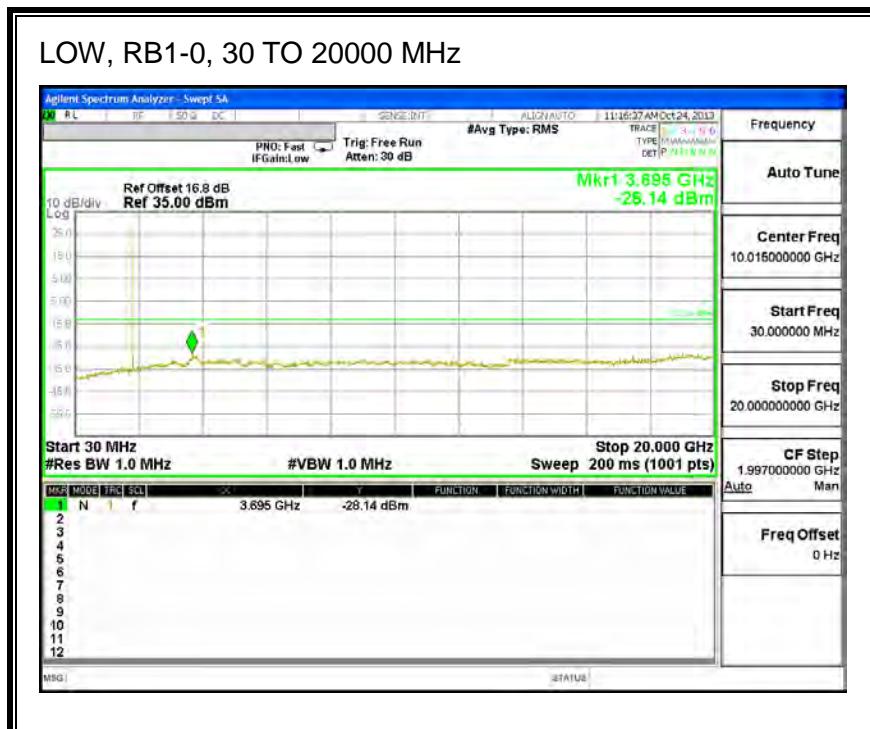
LTE QPSK

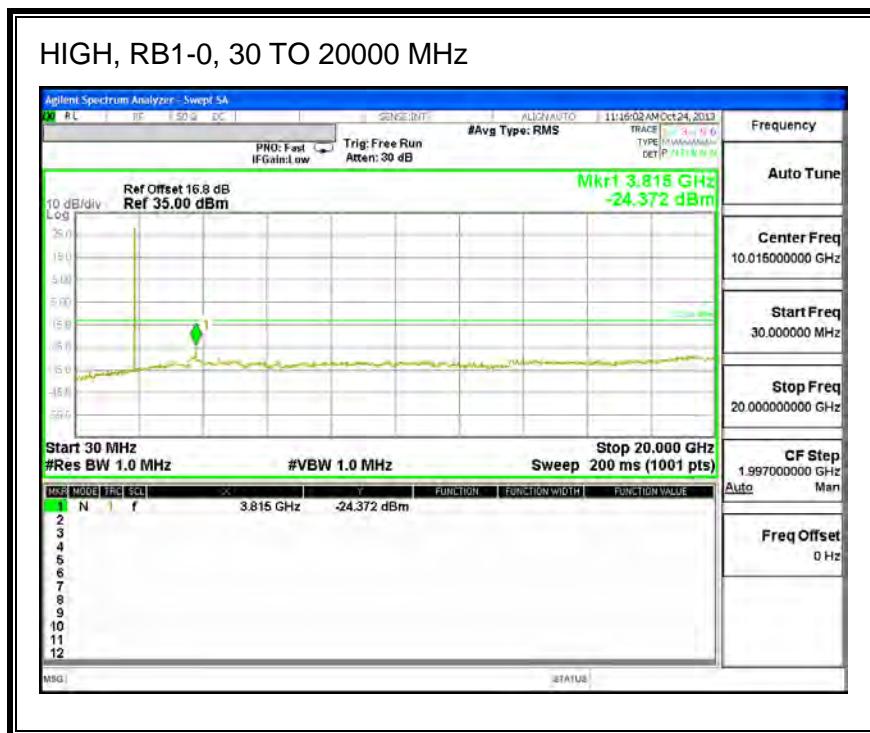


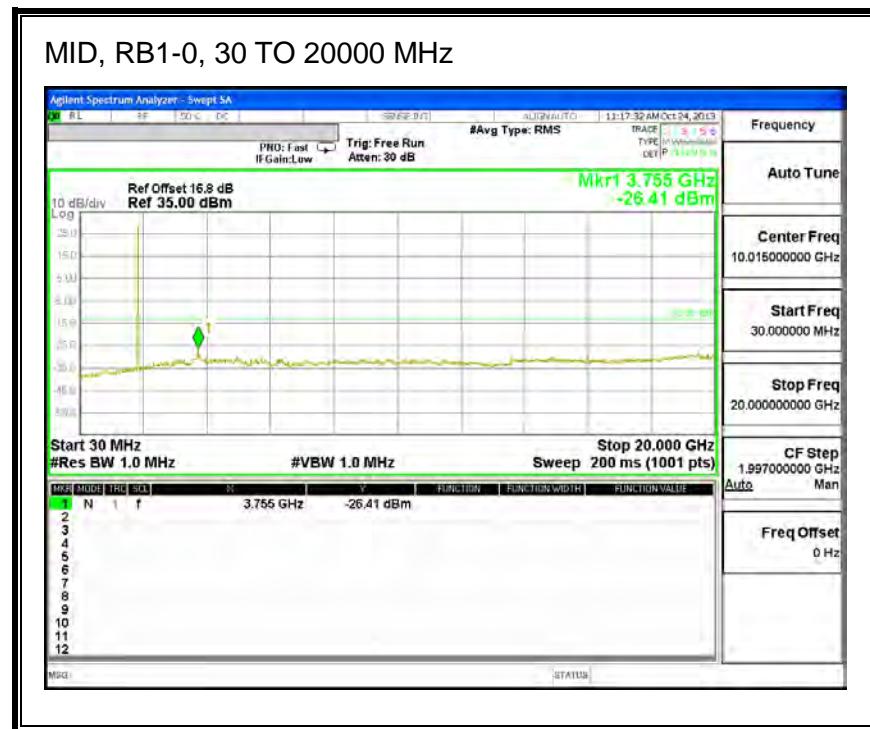
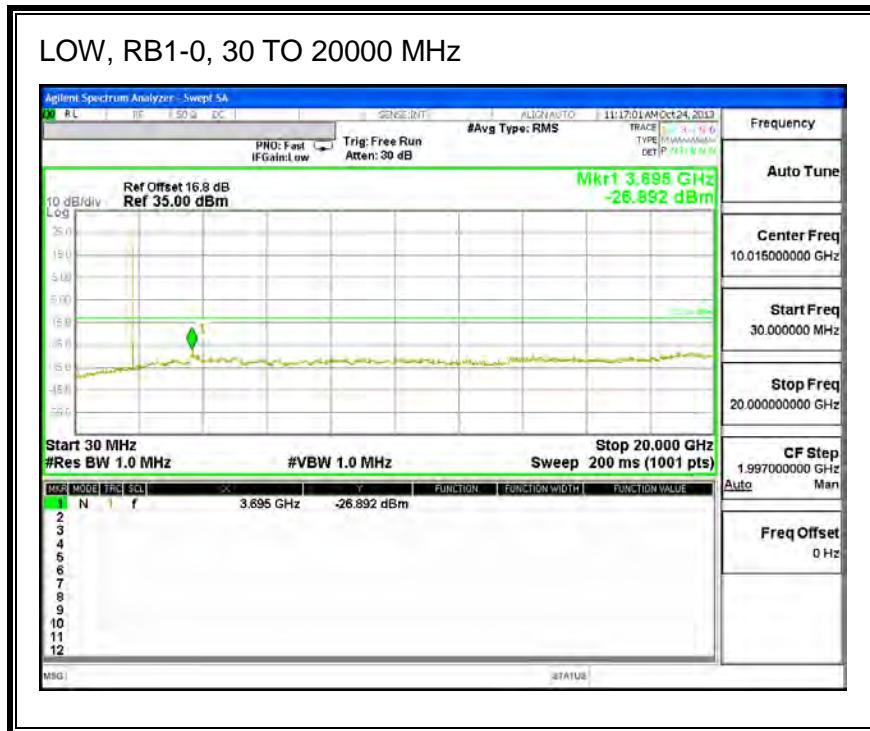


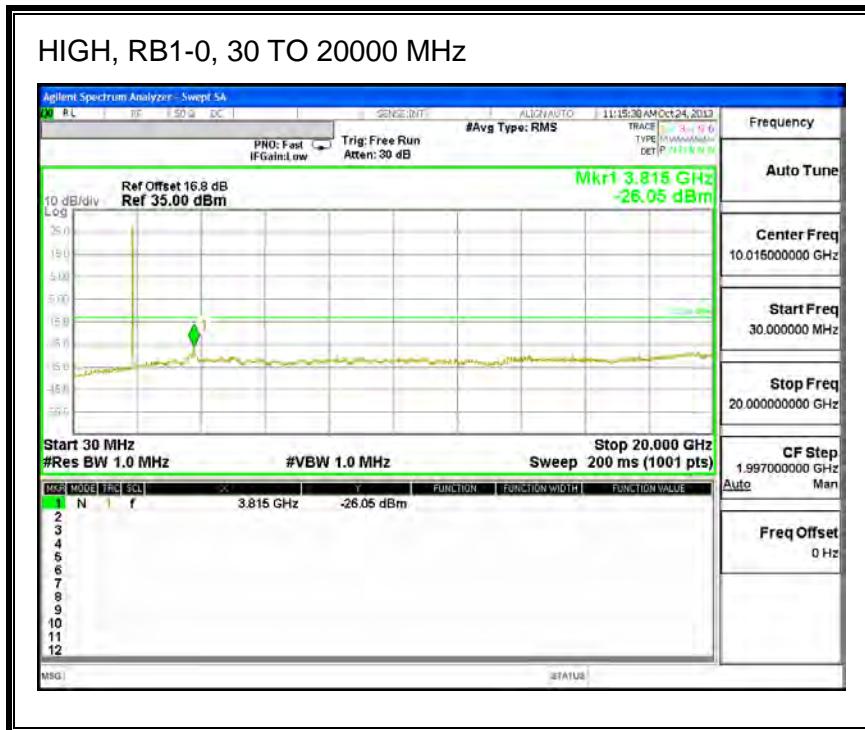
Band 2 (1.4 MHz BANDWIDTH)**LTE 16QAM**

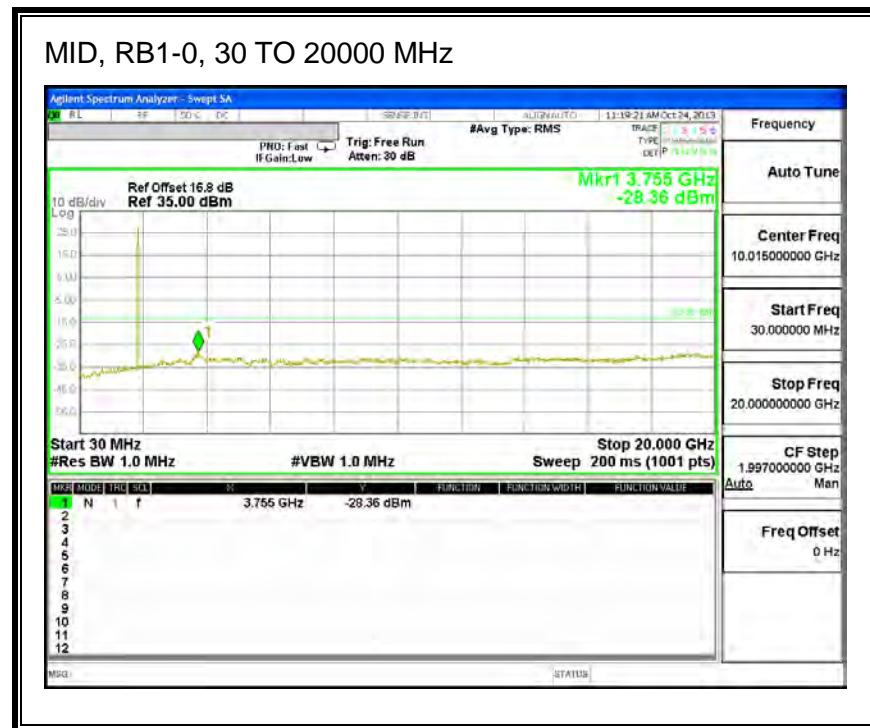
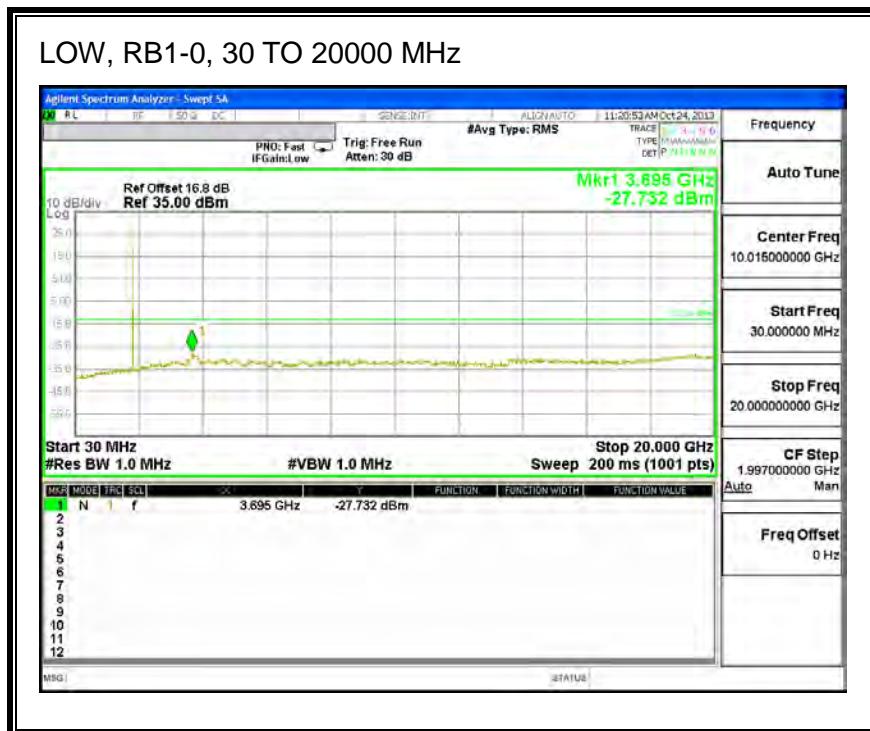


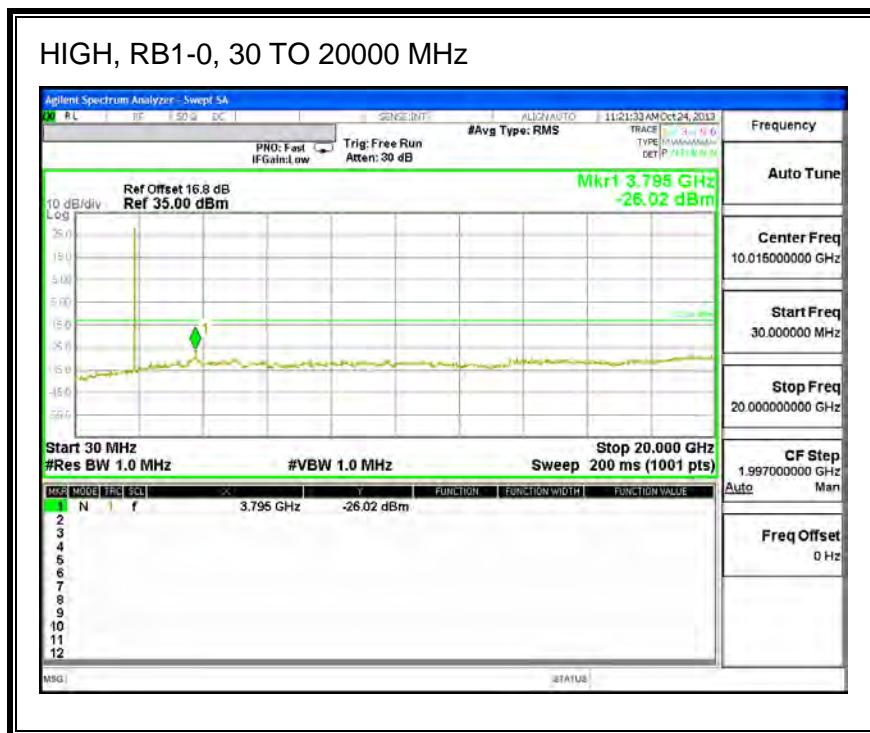
Band 2 (3MHz BANDWIDTH)**LTE QPSK**

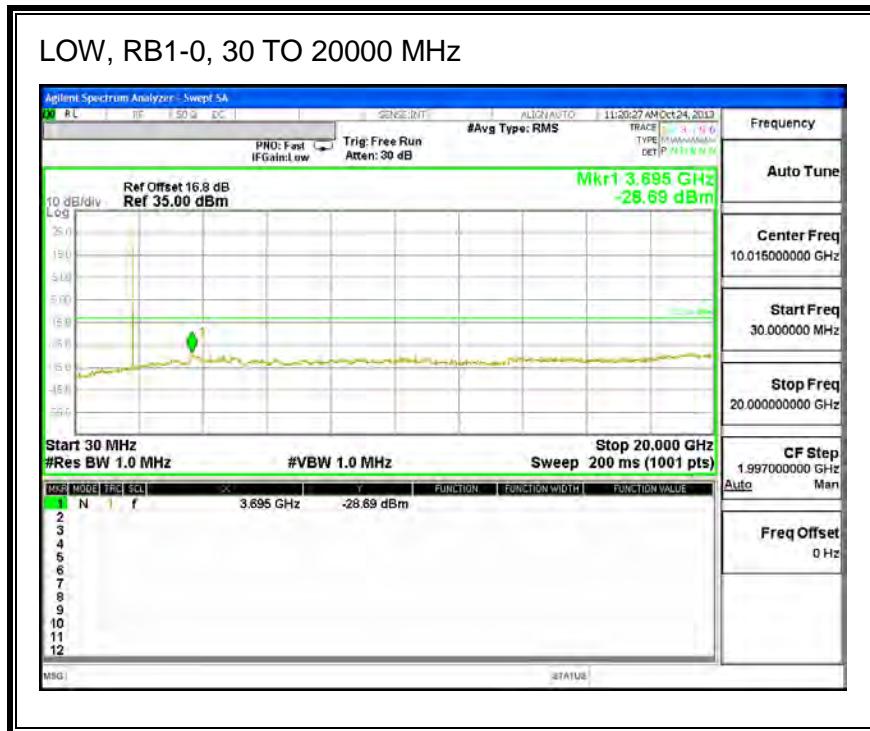


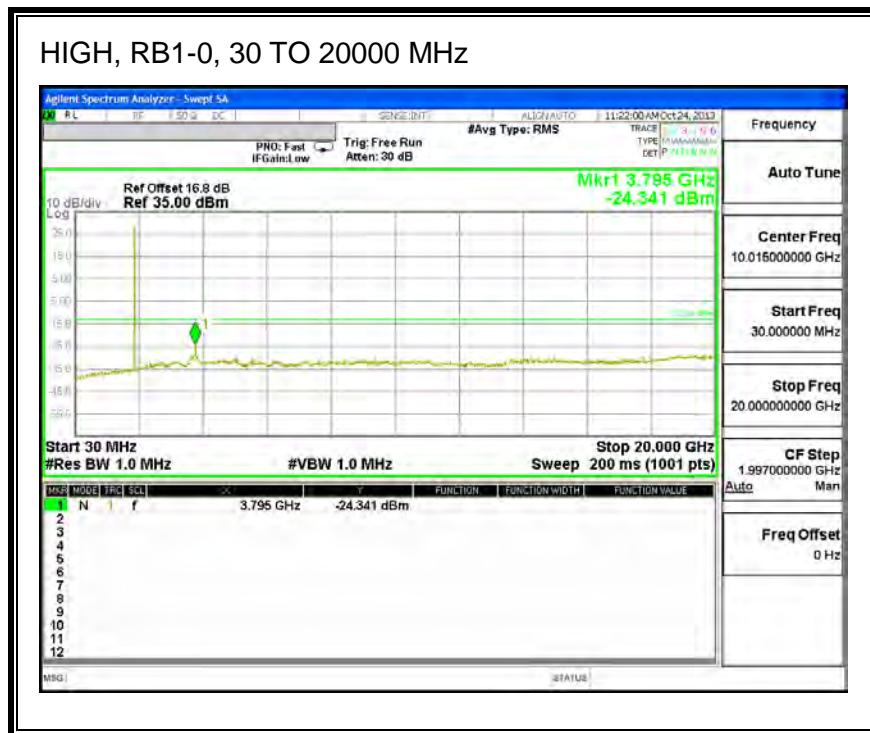
Band 2 (3MHz BANDWIDTH)**LTE 16QAM**

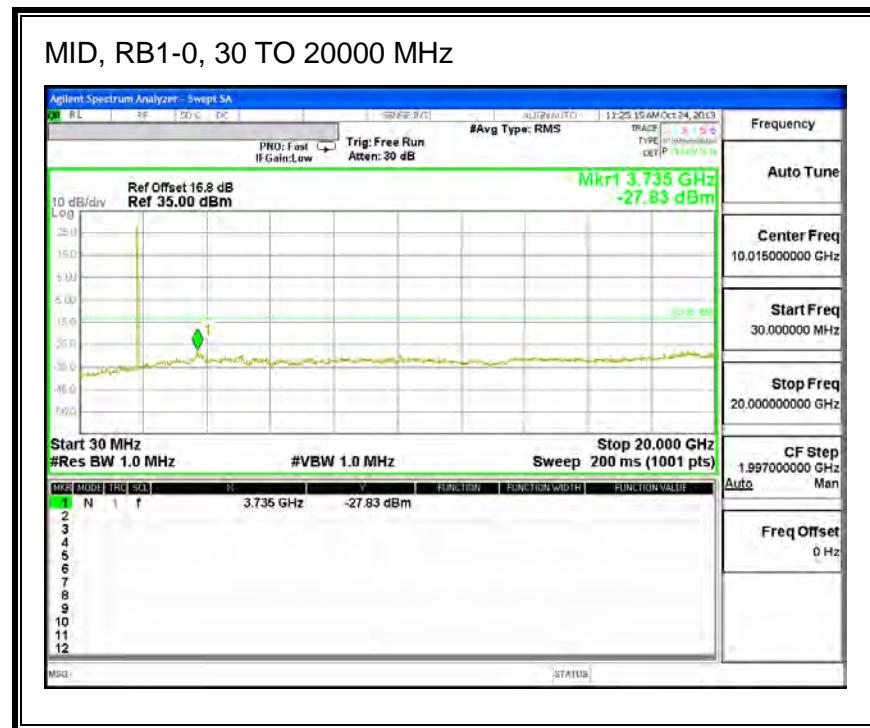
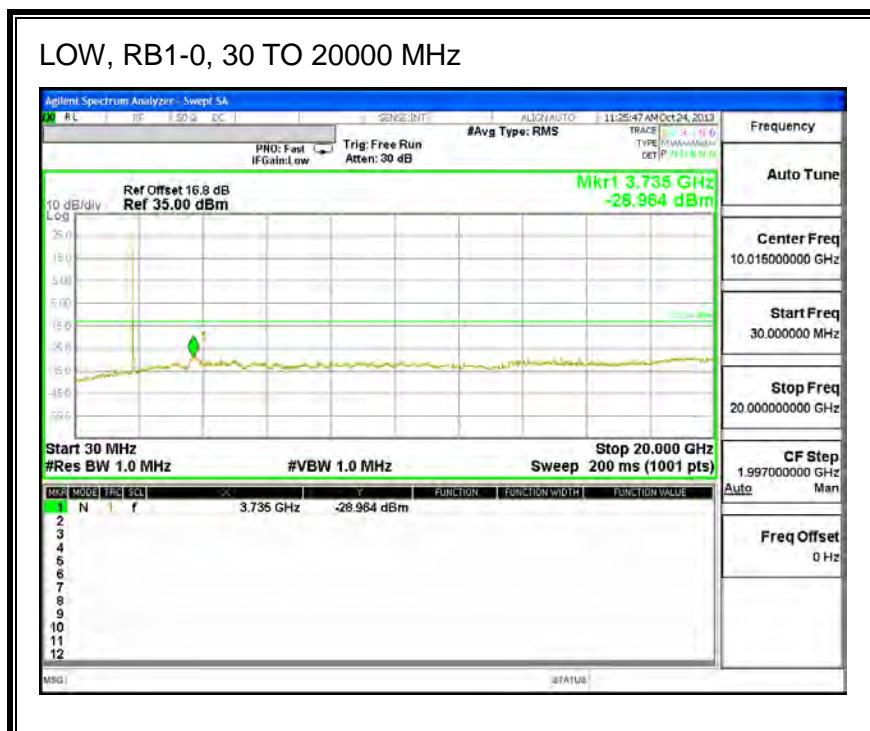


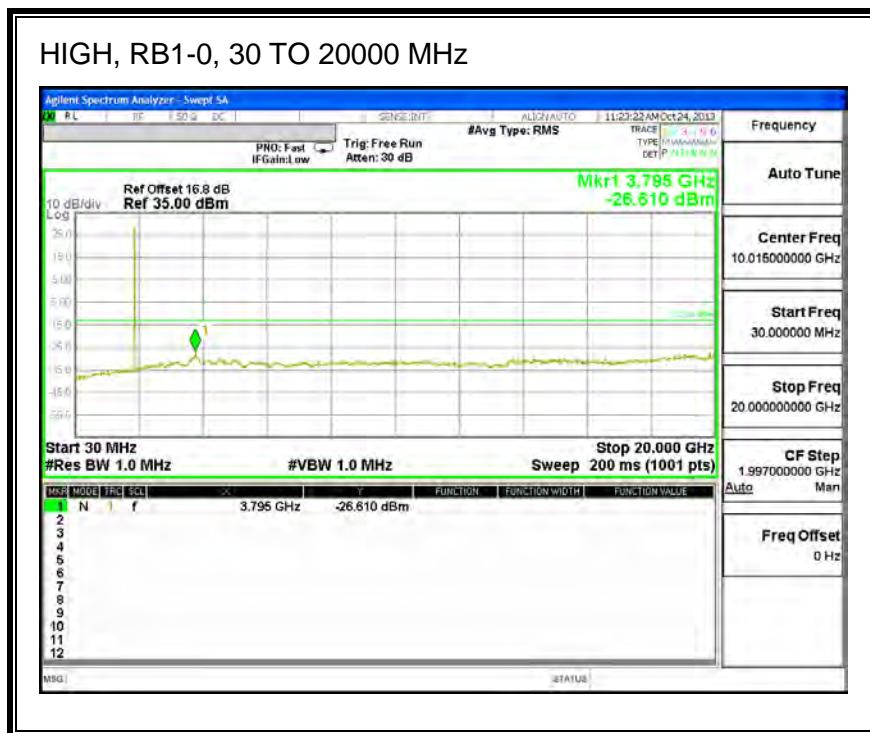
Band 2 (5MHz BANDWIDTH)**LTE QPSK**

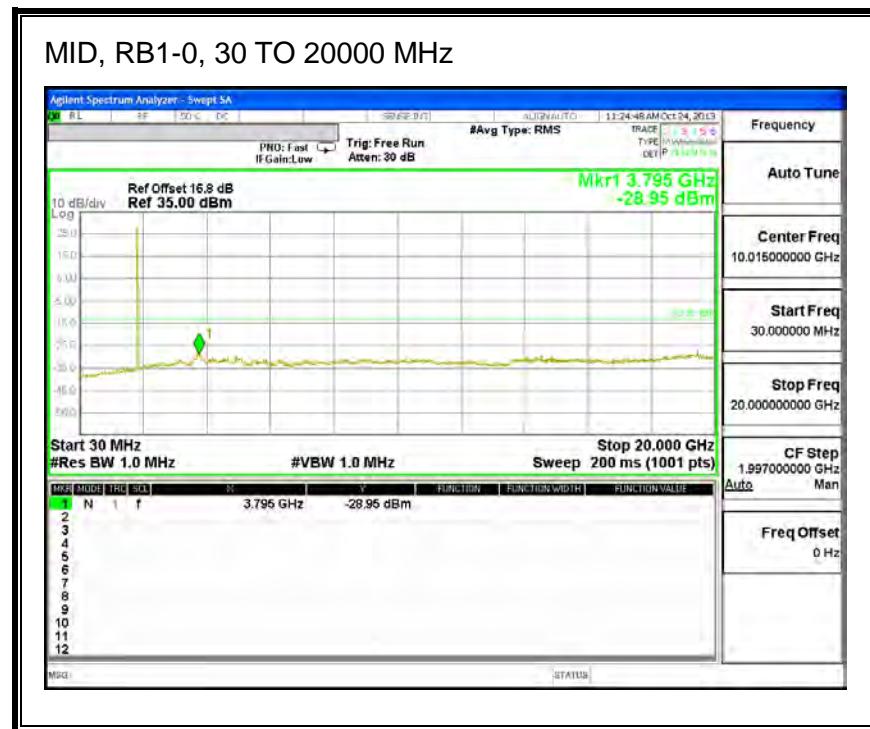
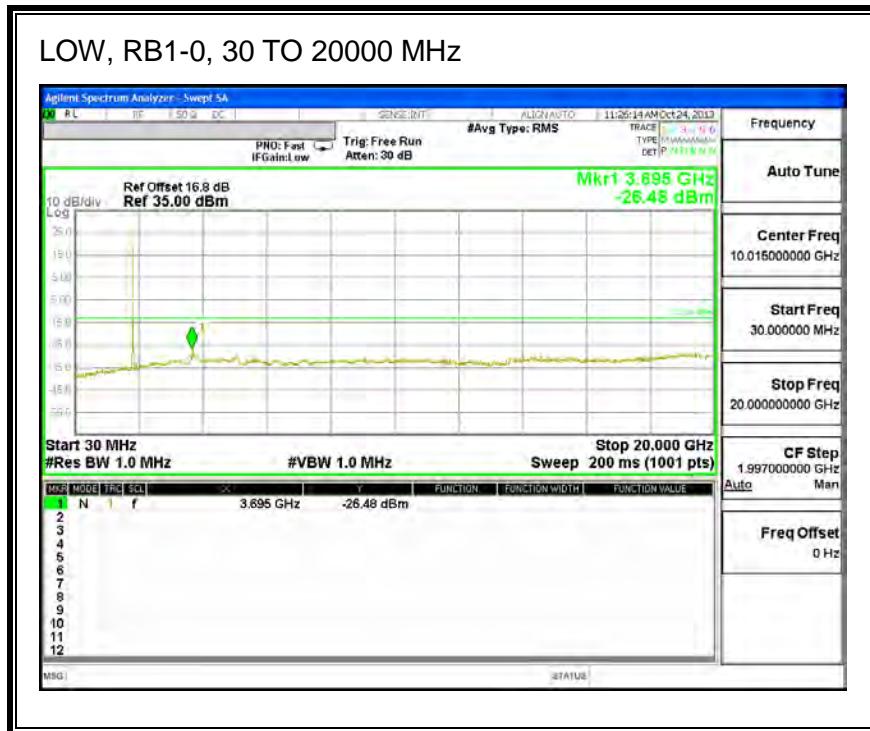


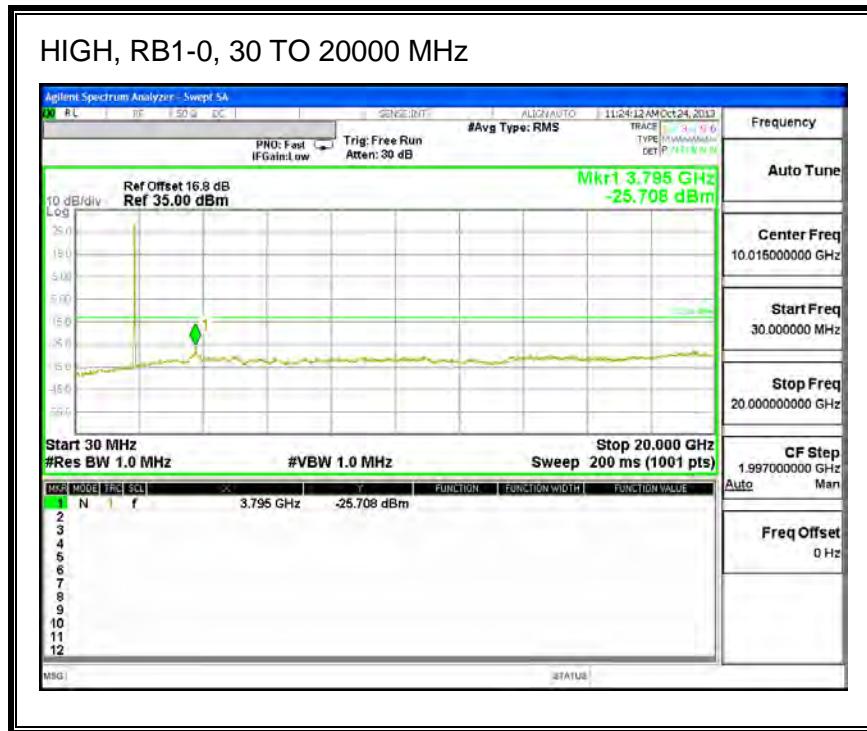
Band 2 (5MHz BANDWIDTH)**LTE 16QAM**

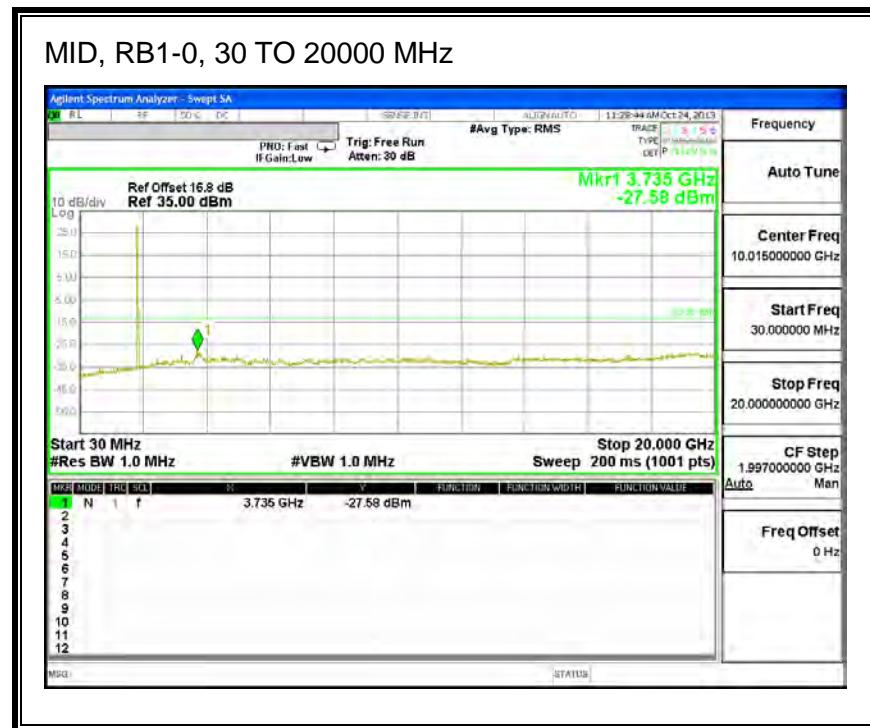
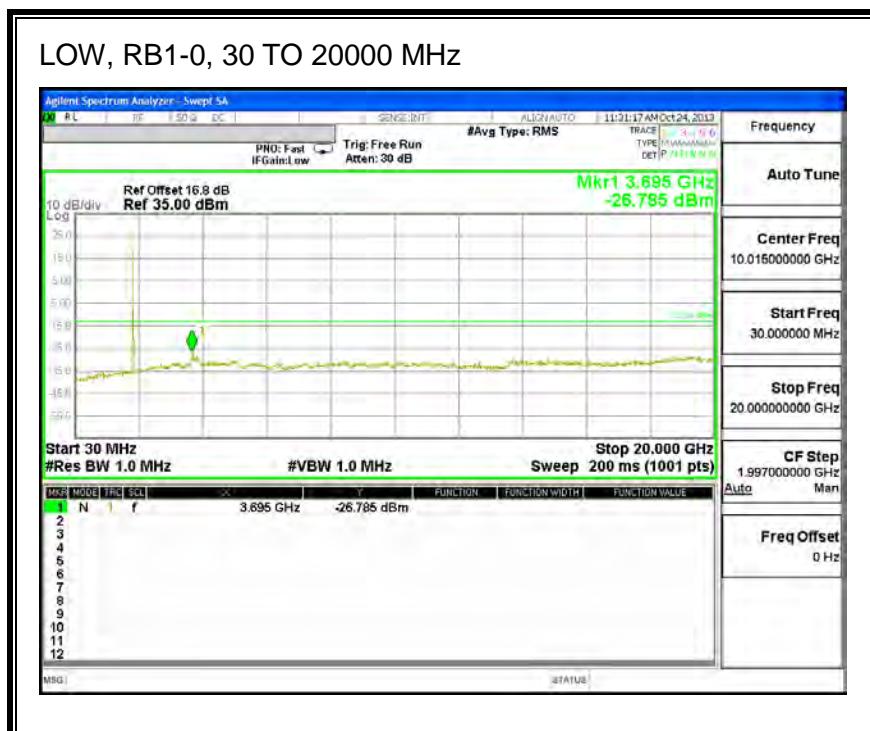


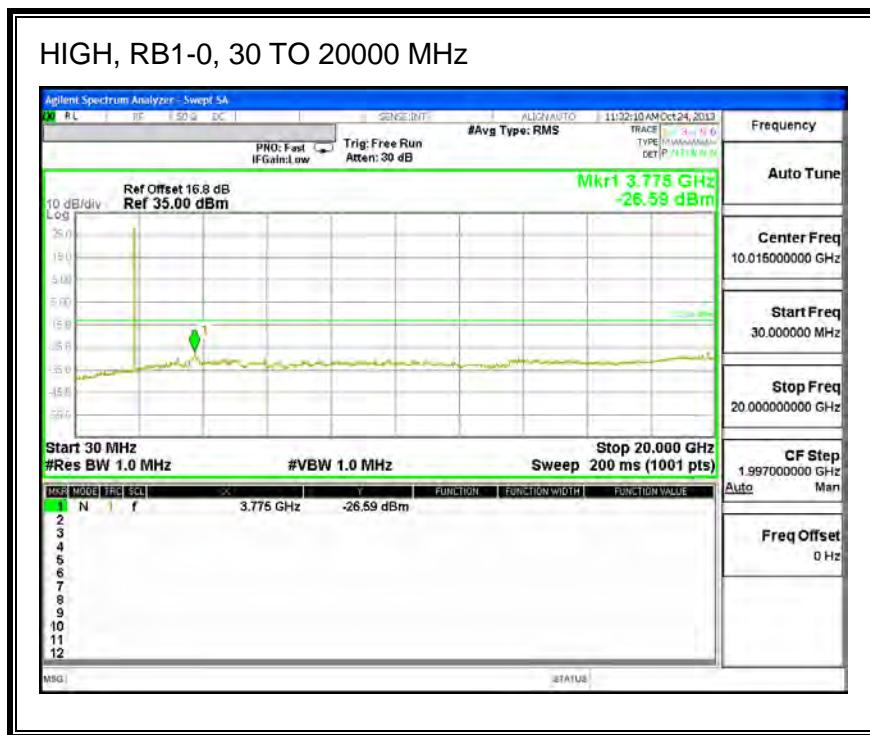
Band 2 (10MHz BANDWIDTH)**LTE QPSK**

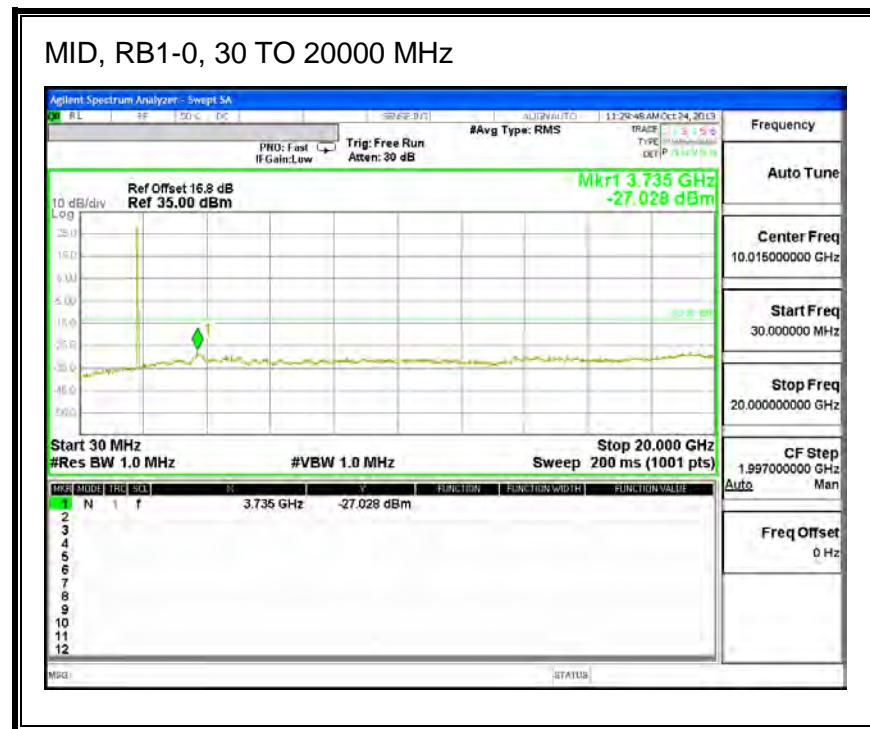
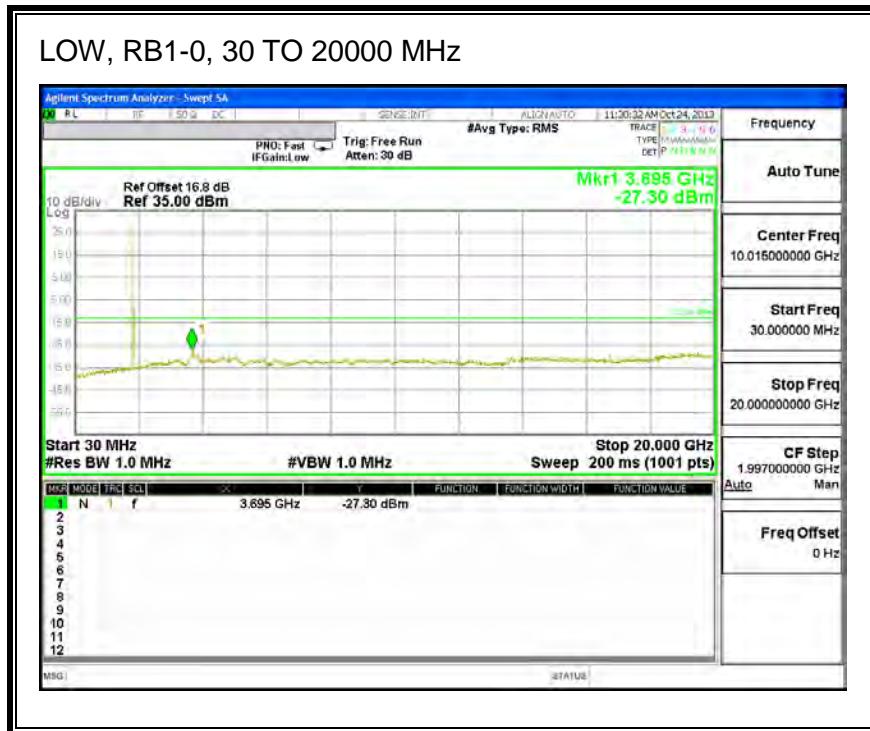


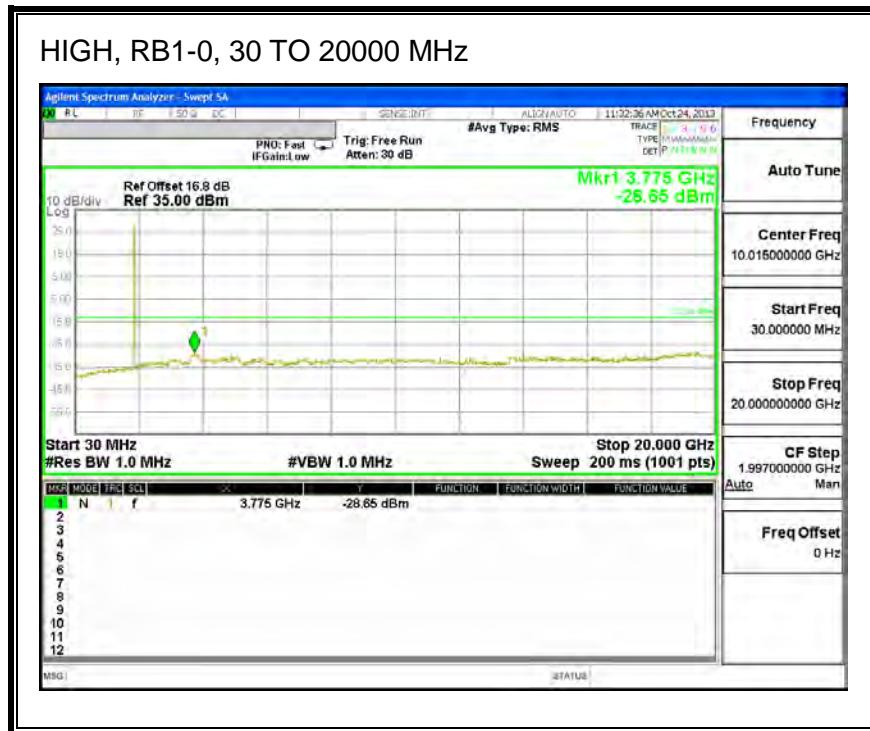
Band 2 (10MHz BANDWIDTH)**LTE 16QAM**

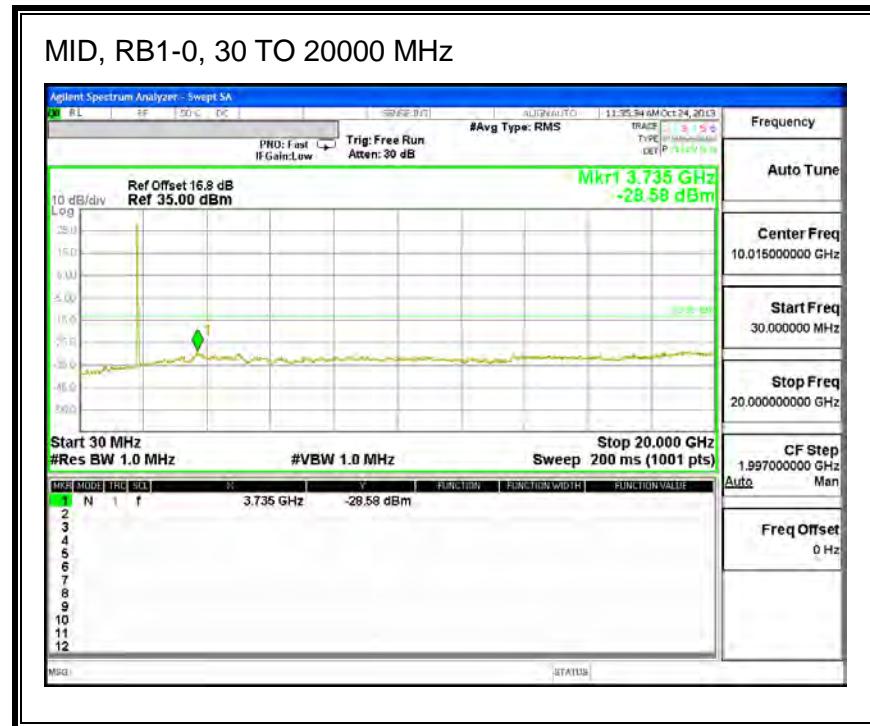
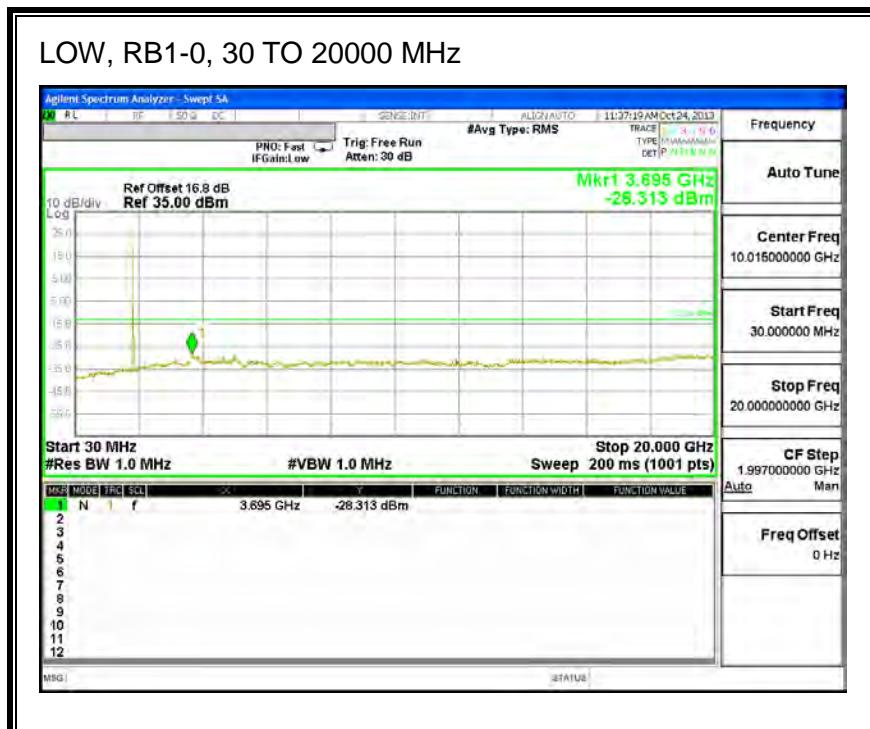


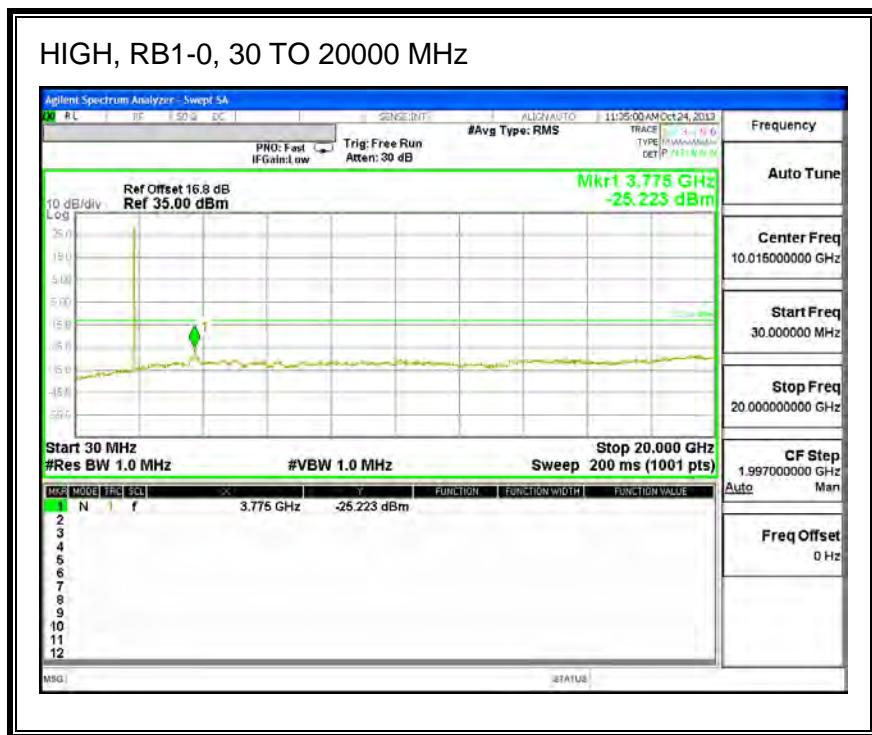
Band 2 (15MHz BANDWIDTH)**LTE QPSK**

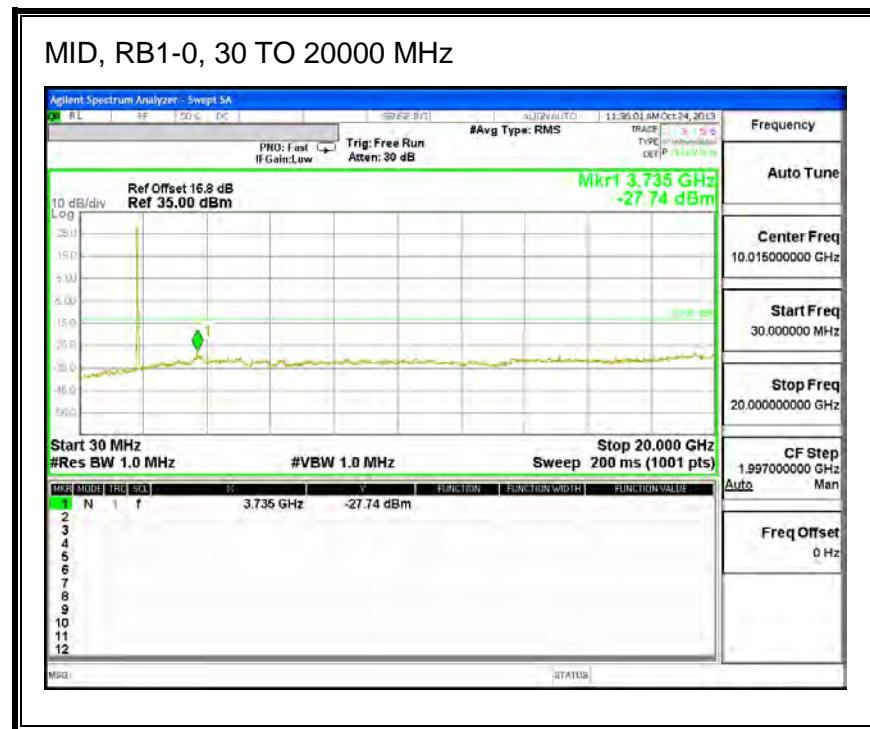
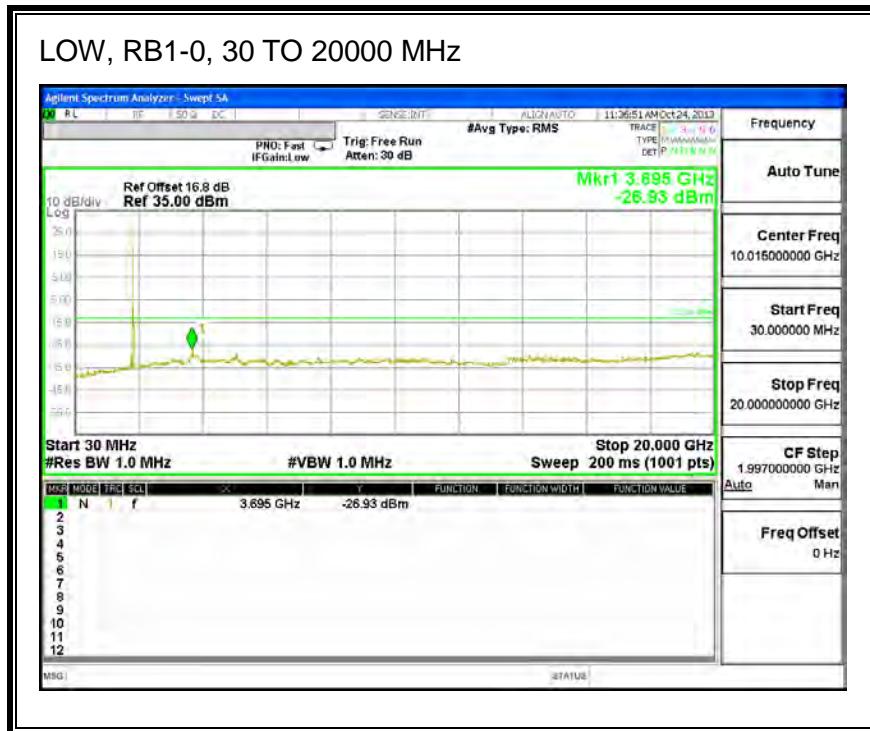


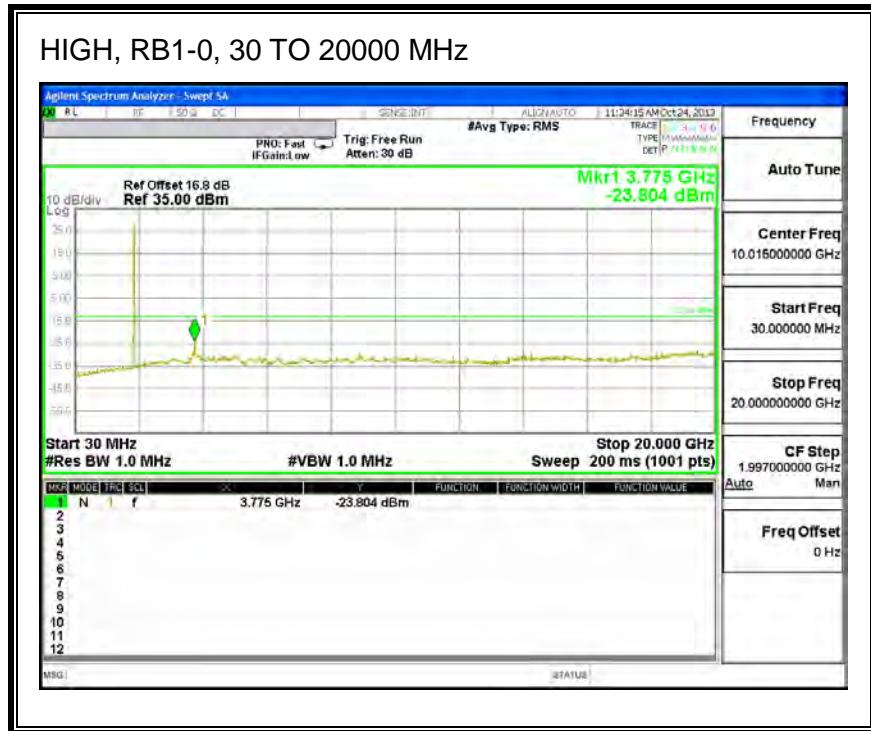
Band 2 (15MHz BANDWIDTH)**LTE 16QAM**



Band 2 (20MHz BANDWIDTH)**LTE QPSK**



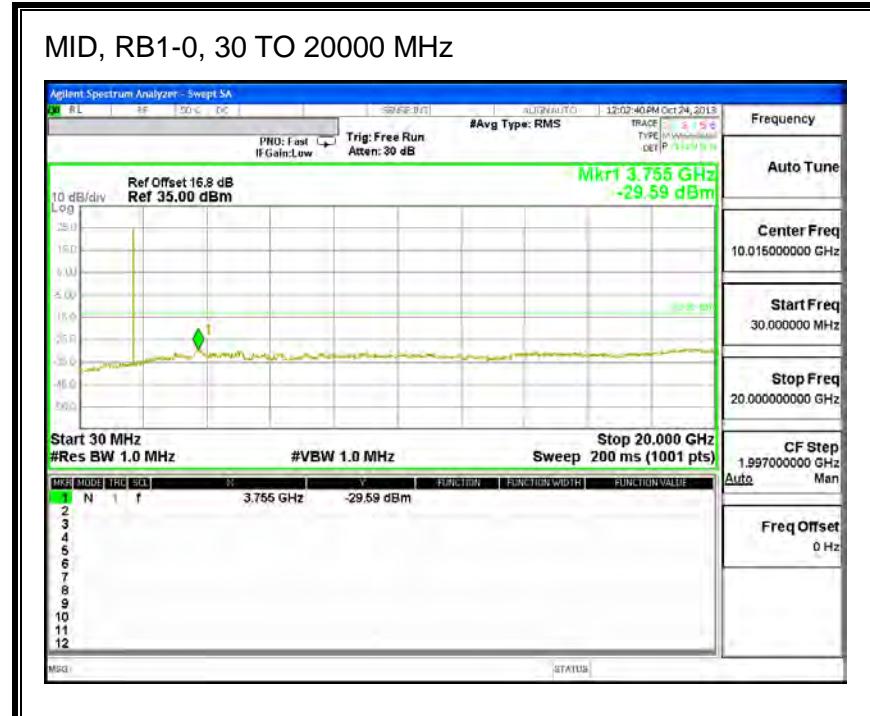
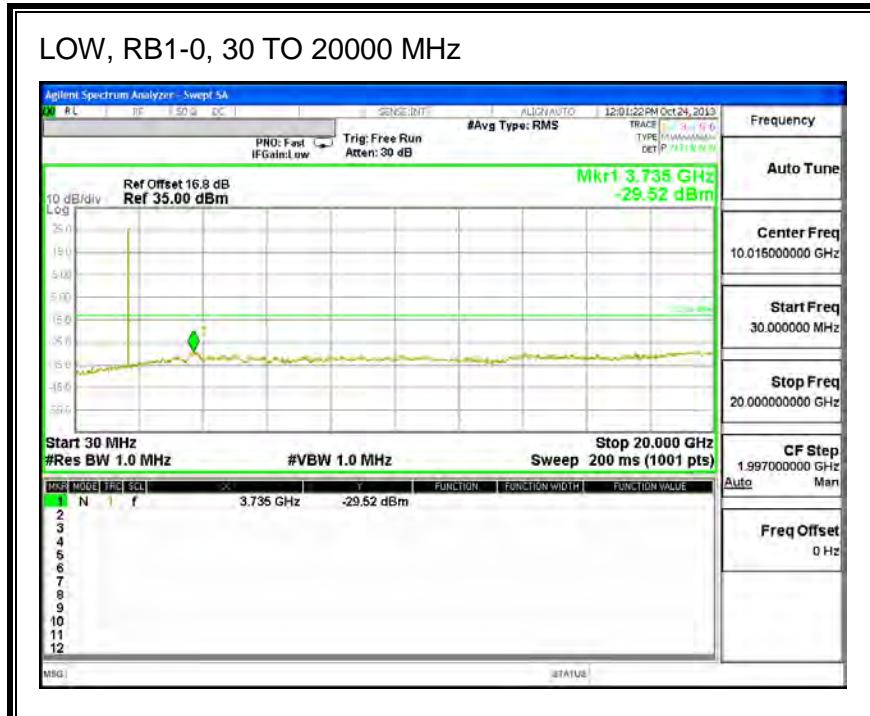
Band 2 (20MHz BANDWIDTH)**LTE 16QAM**

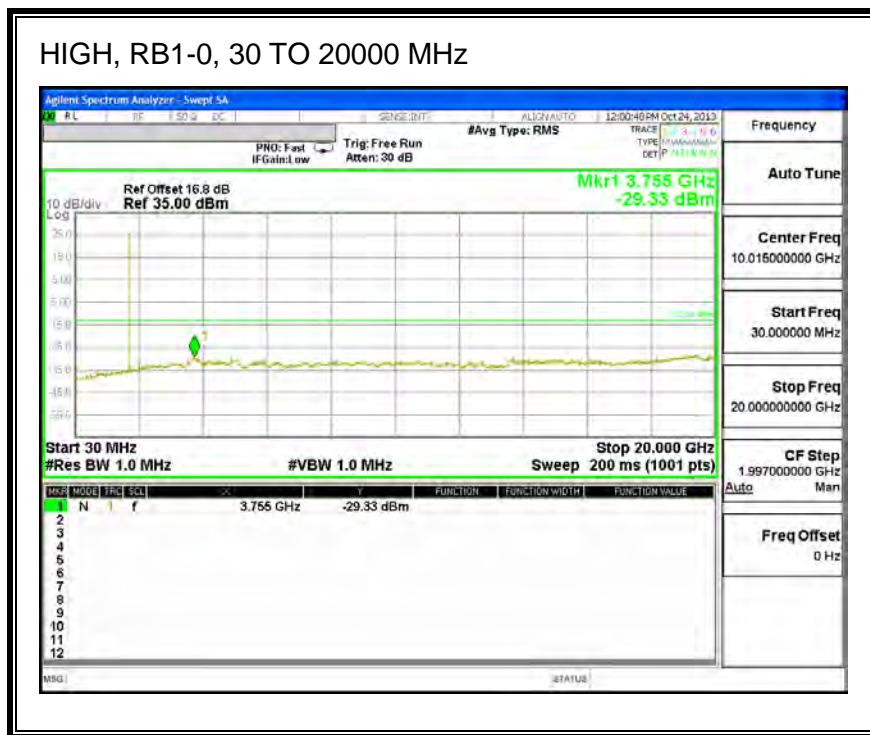


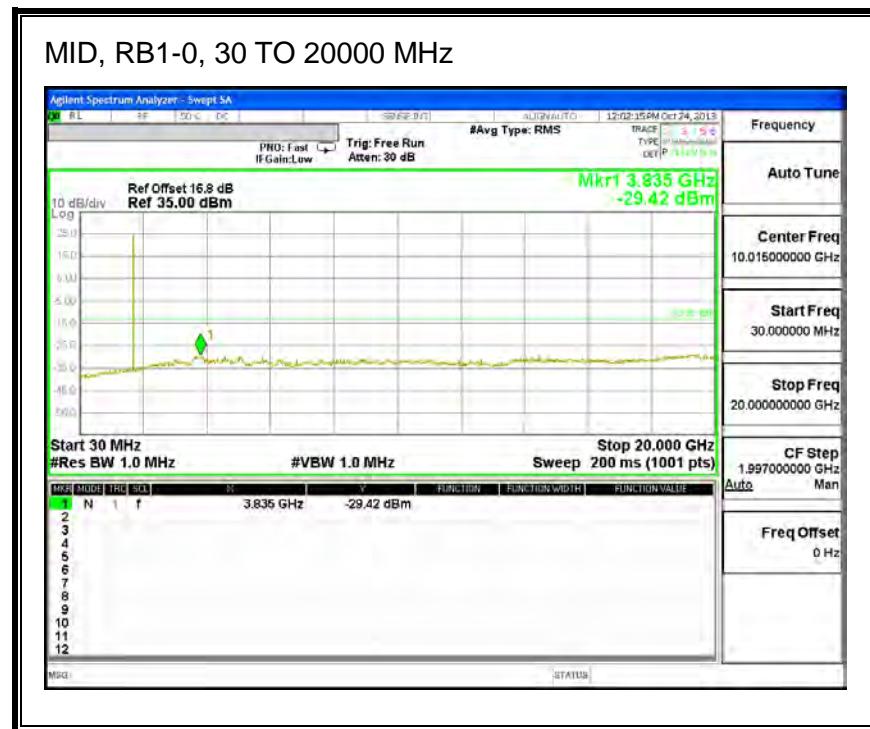
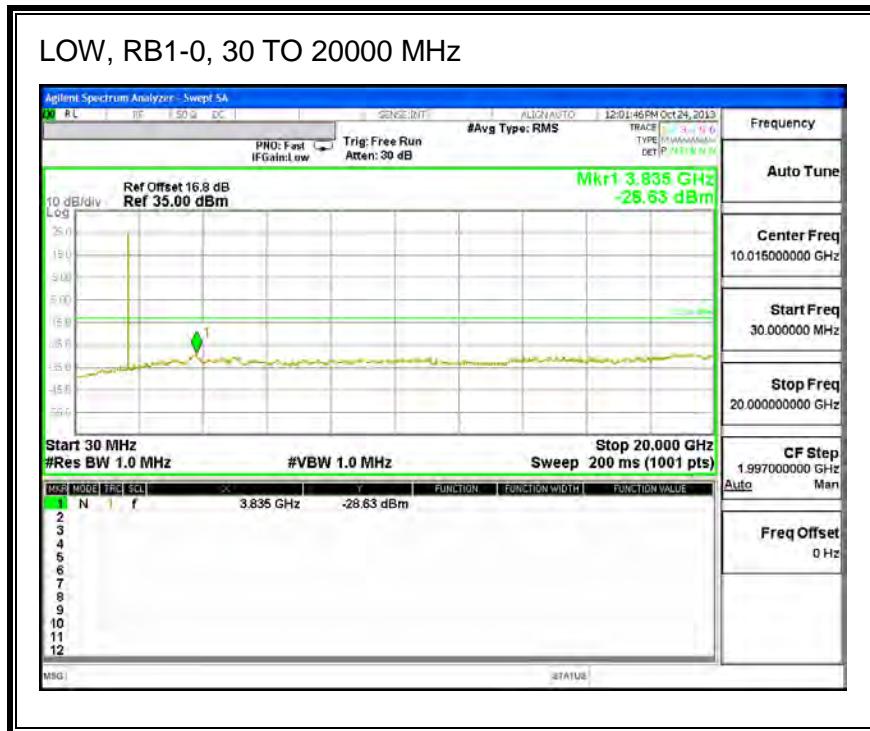
8.3.2. LTE BAND 4

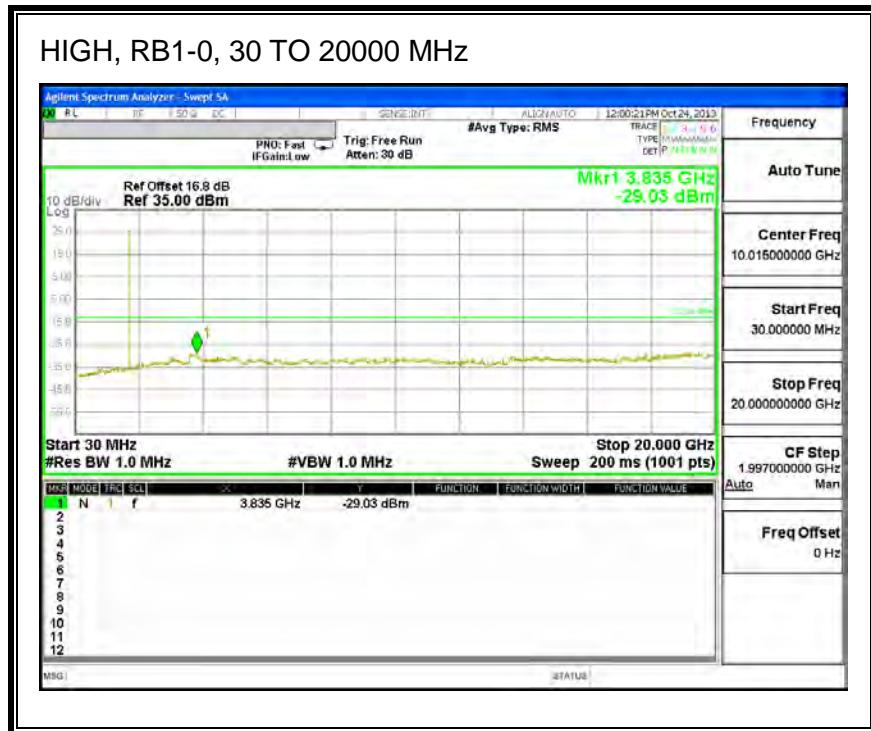
Band 4 (1.4 MHz BANDWIDTH)

LTE QPSK





Band 4 (1.4 MHz BANDWIDTH)**LTE 16QAM**



Band 4 (3MHz BANDWIDTH)**LTE QPSK**