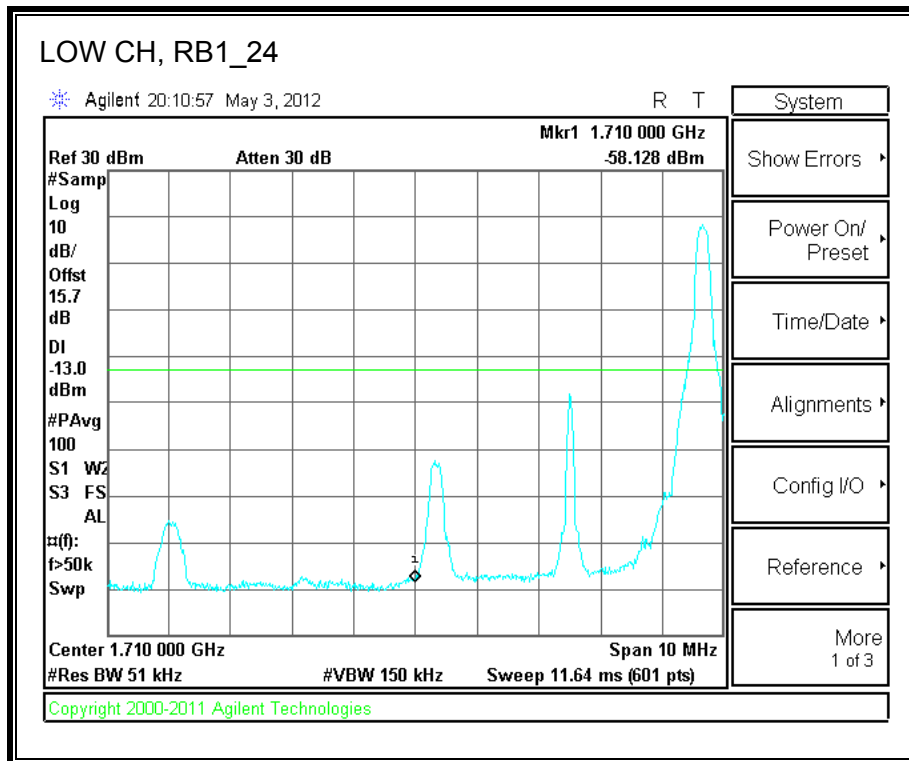
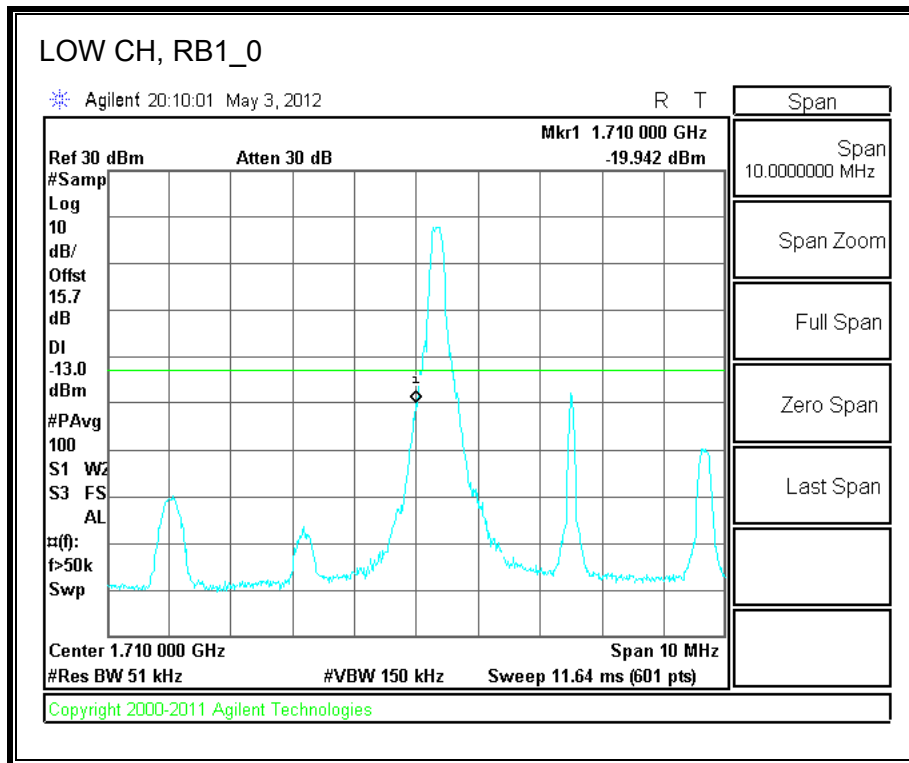
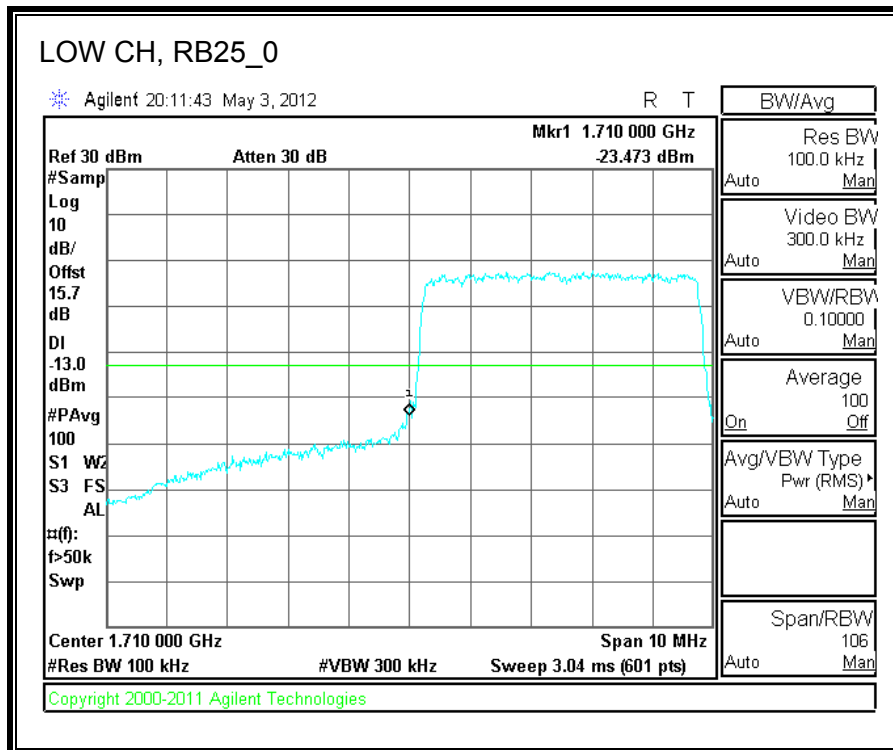
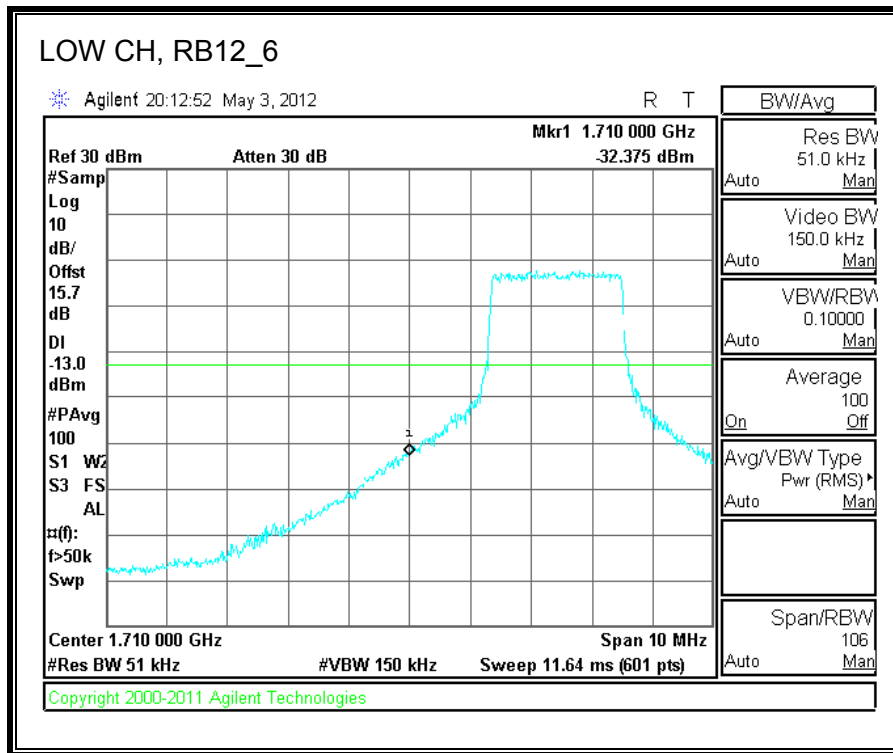
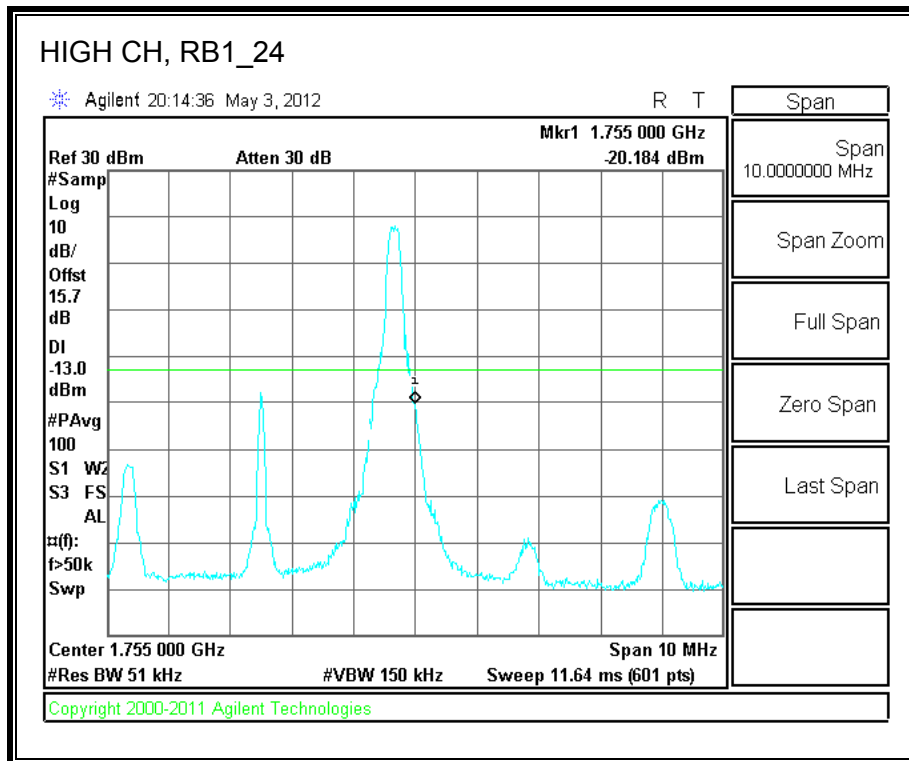
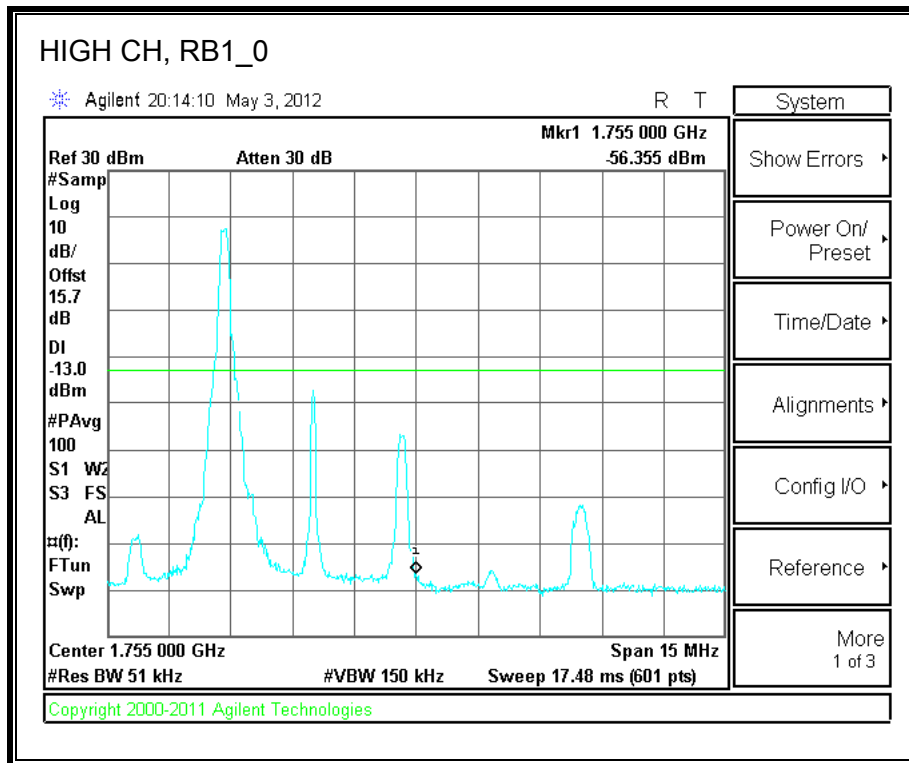
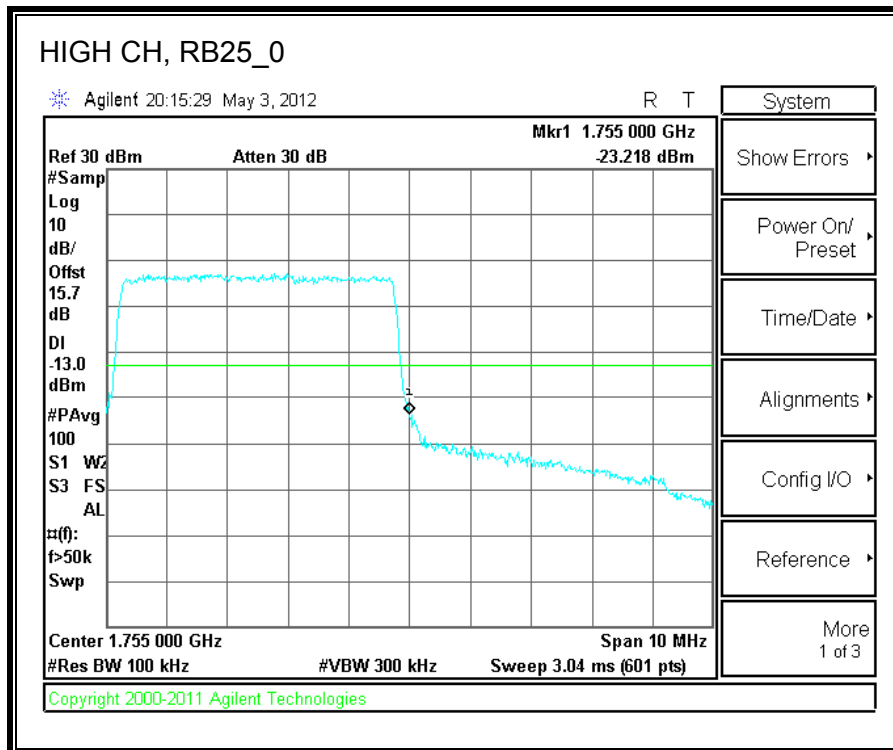
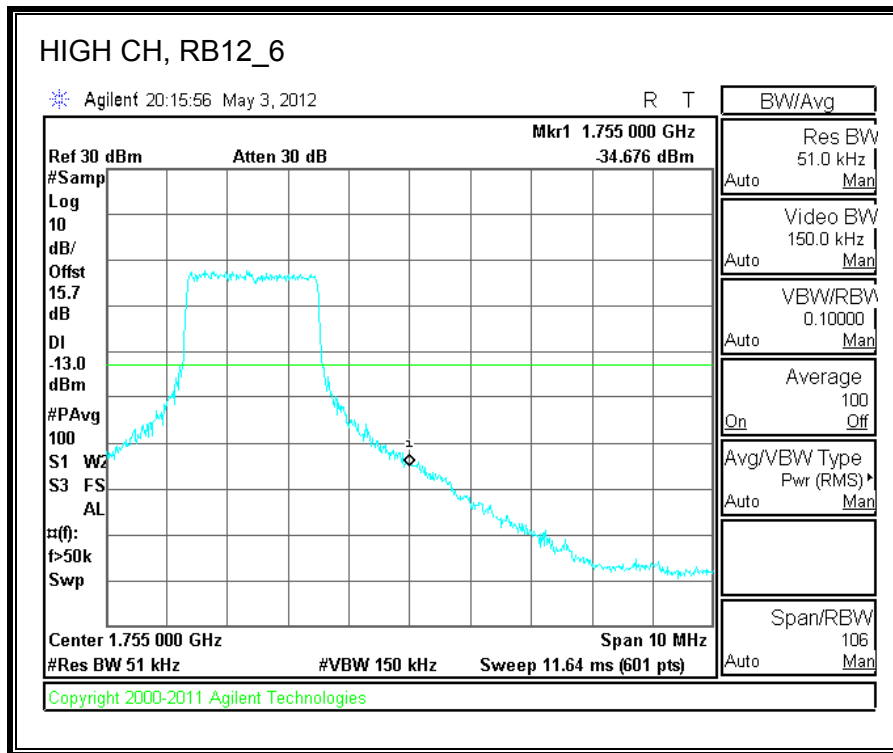


16QAM



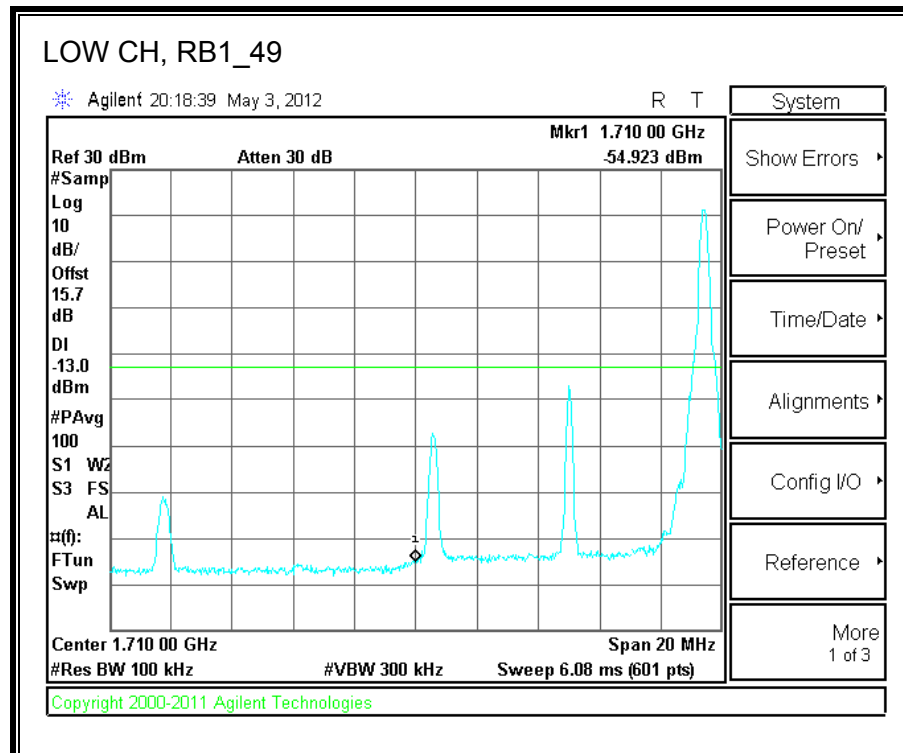
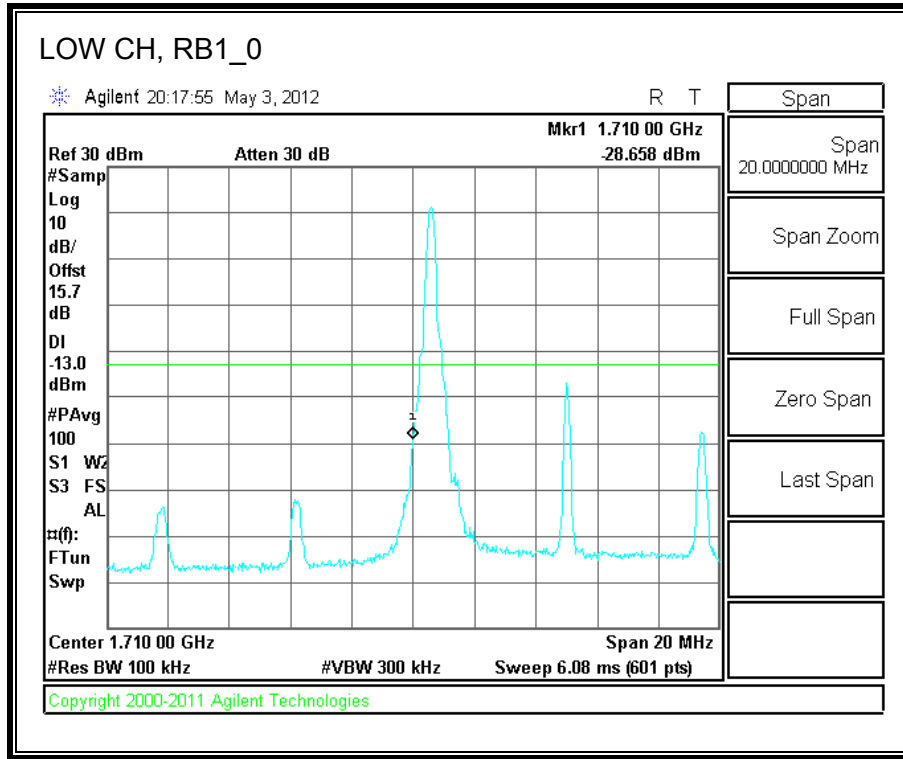


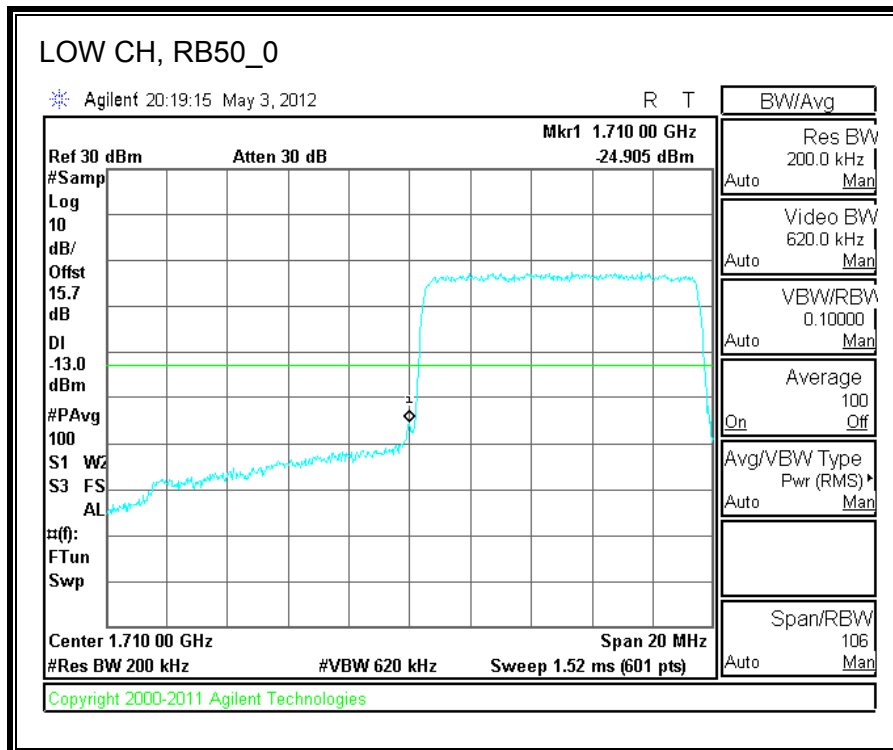
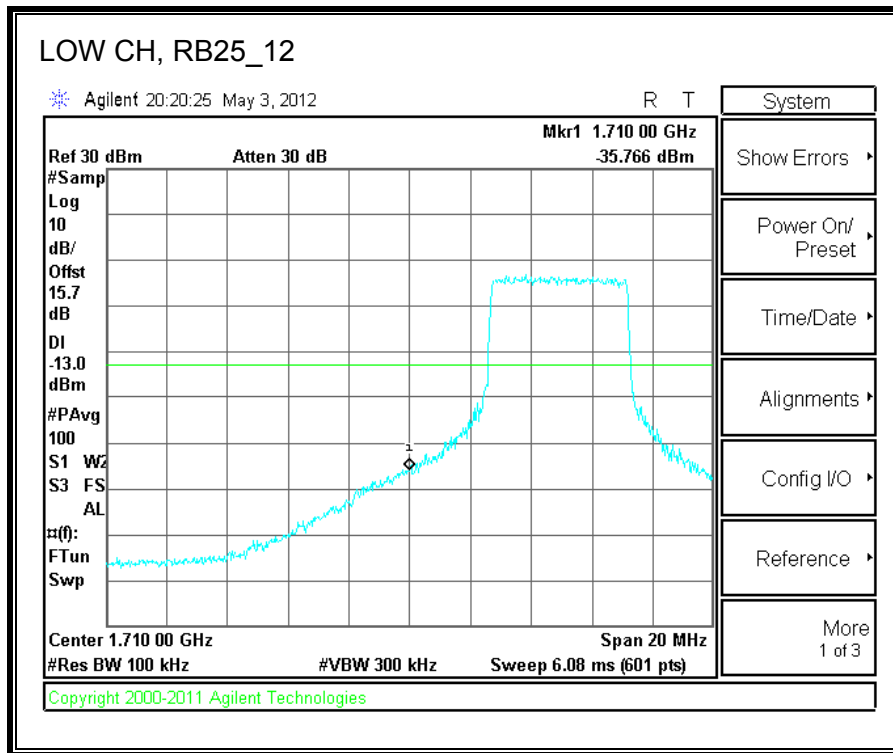


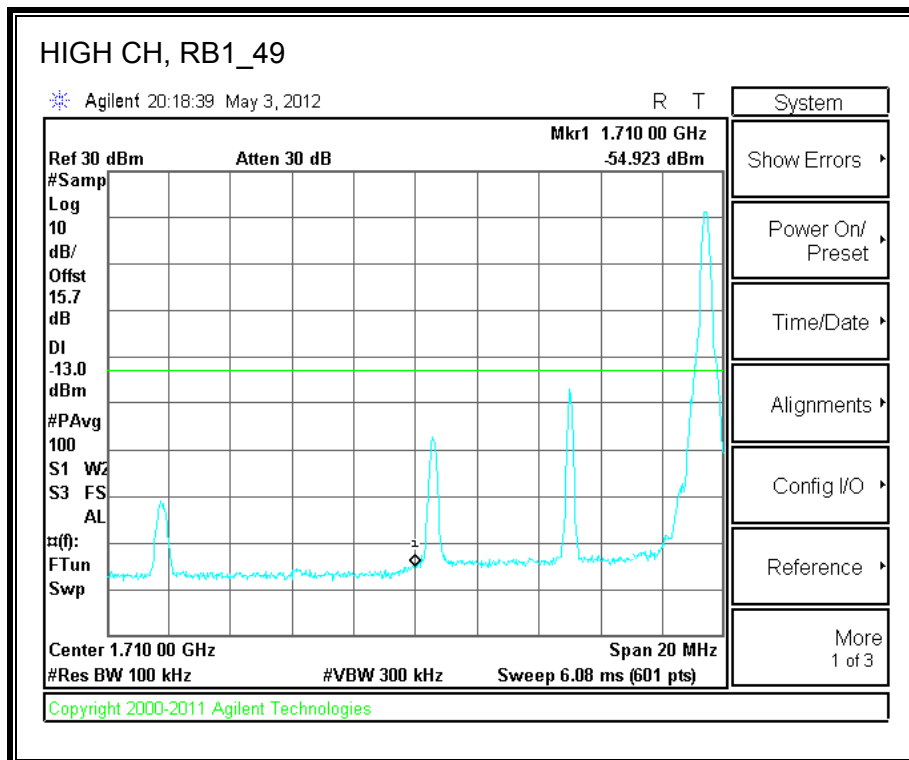
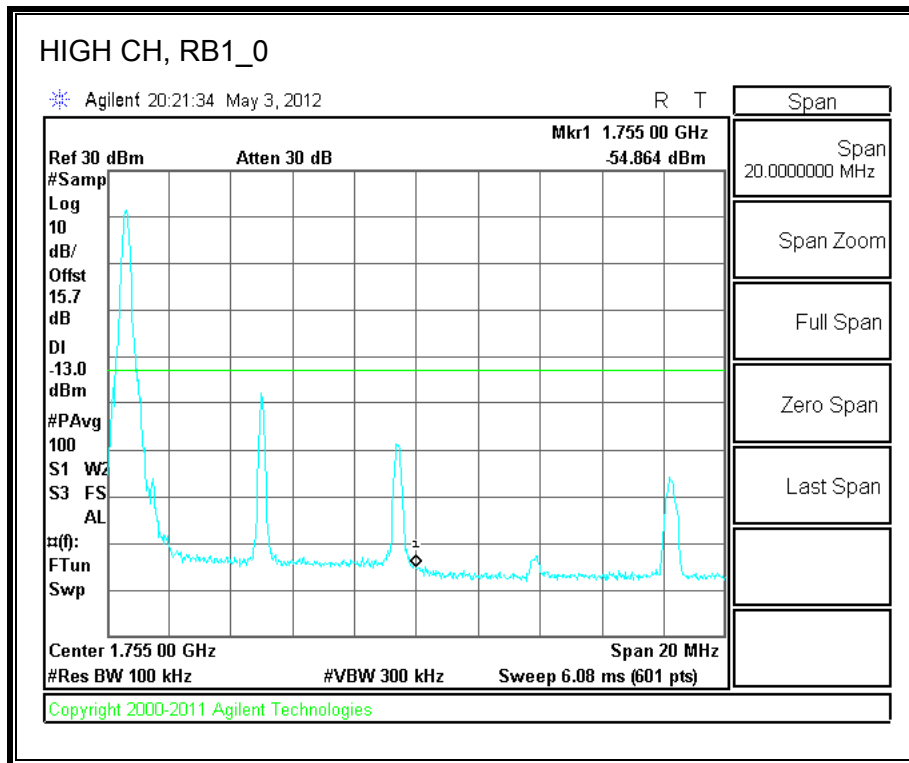


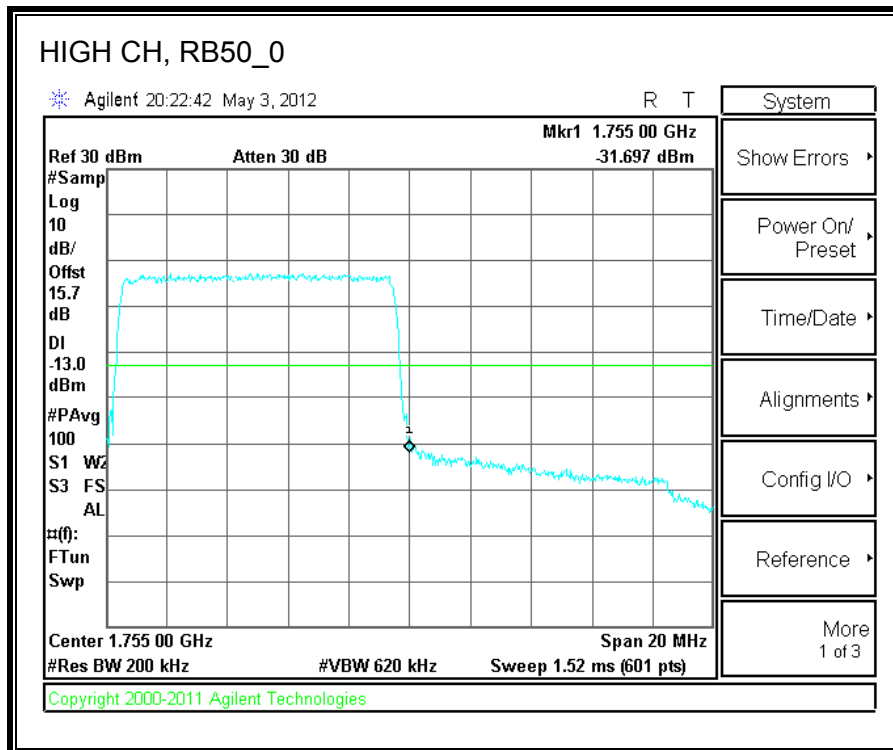
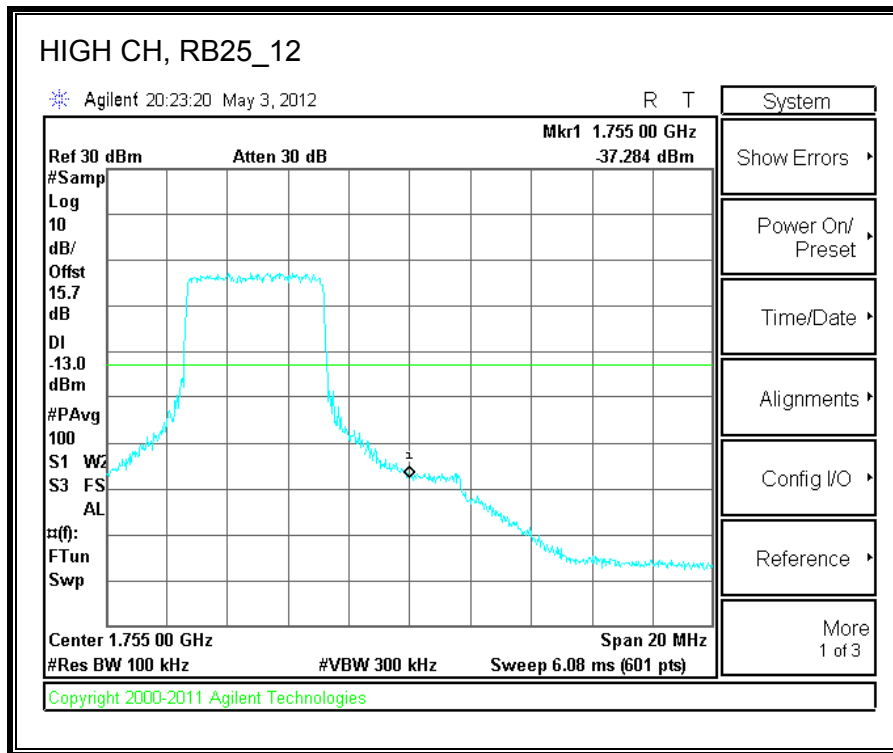
LTE, Band 4 (10.0MHz BAND WIDTH)

QPSK

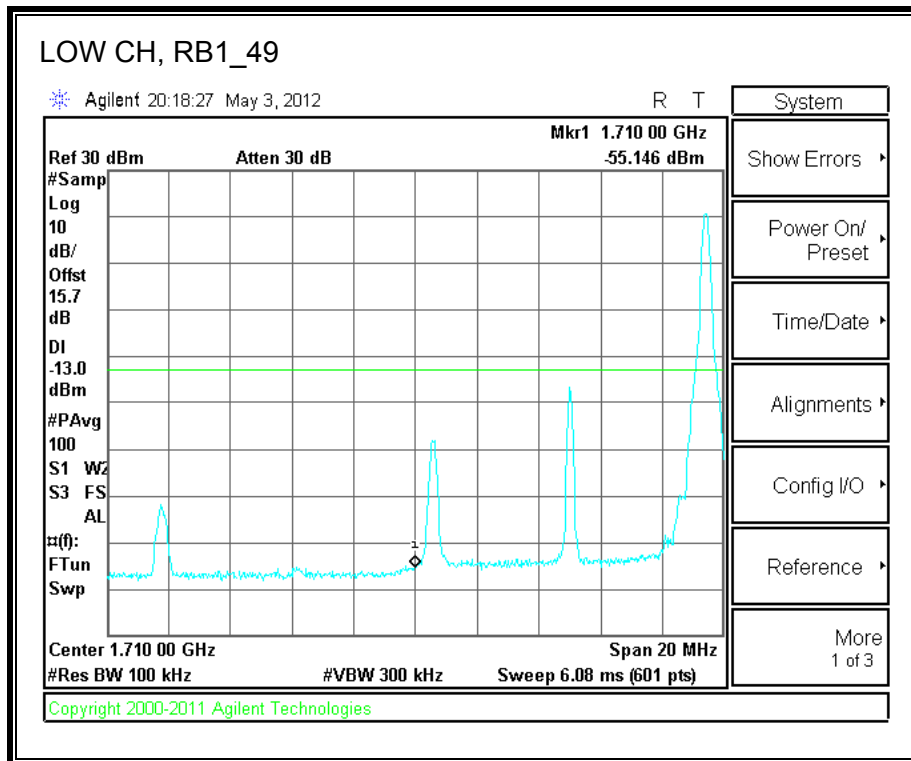
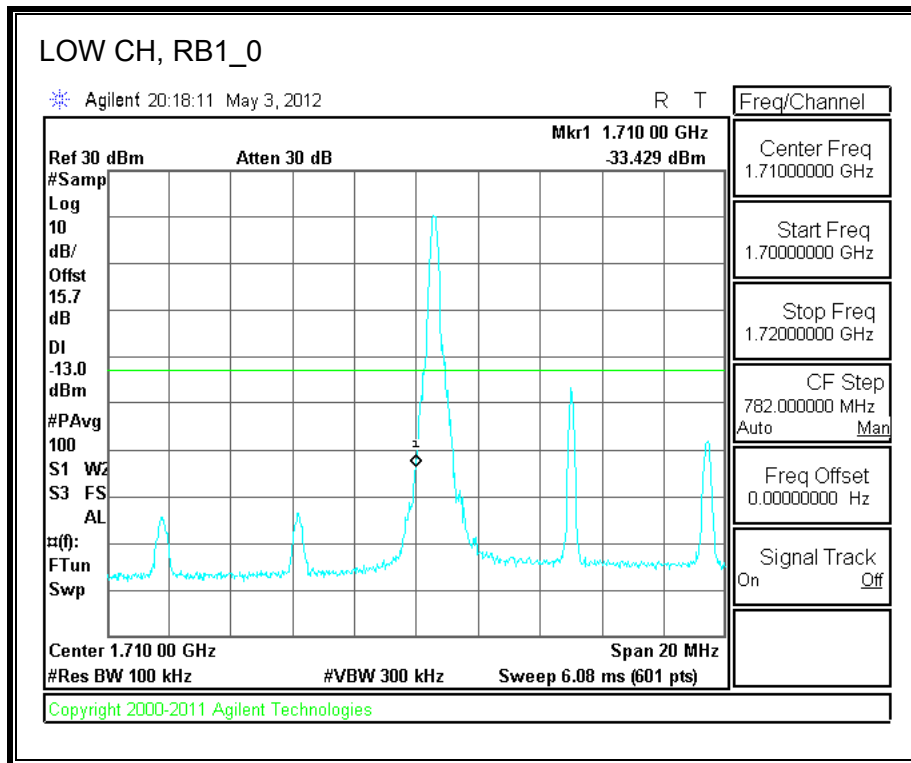


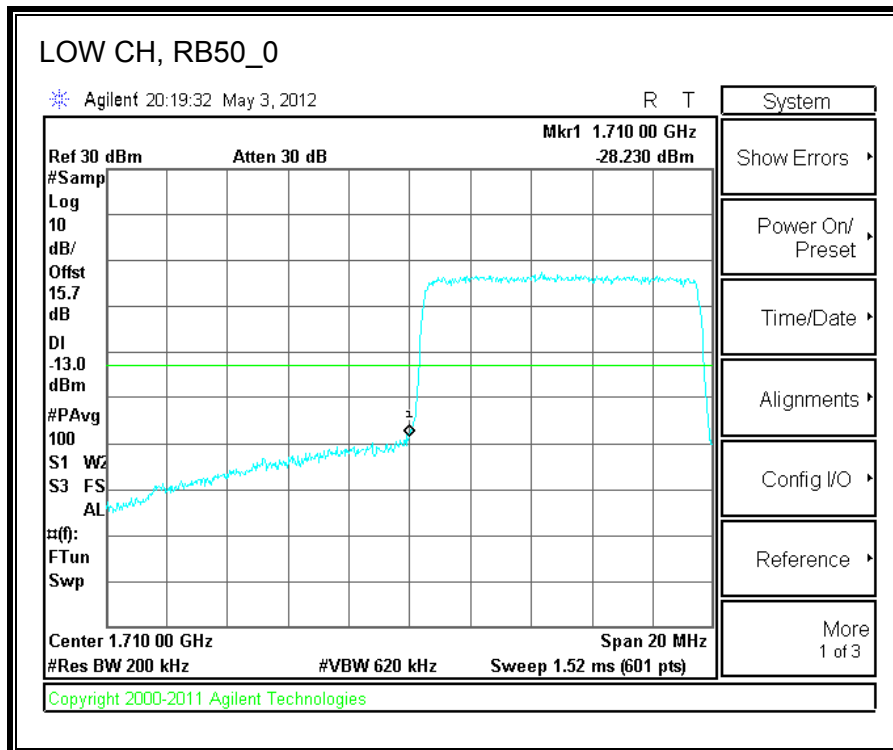
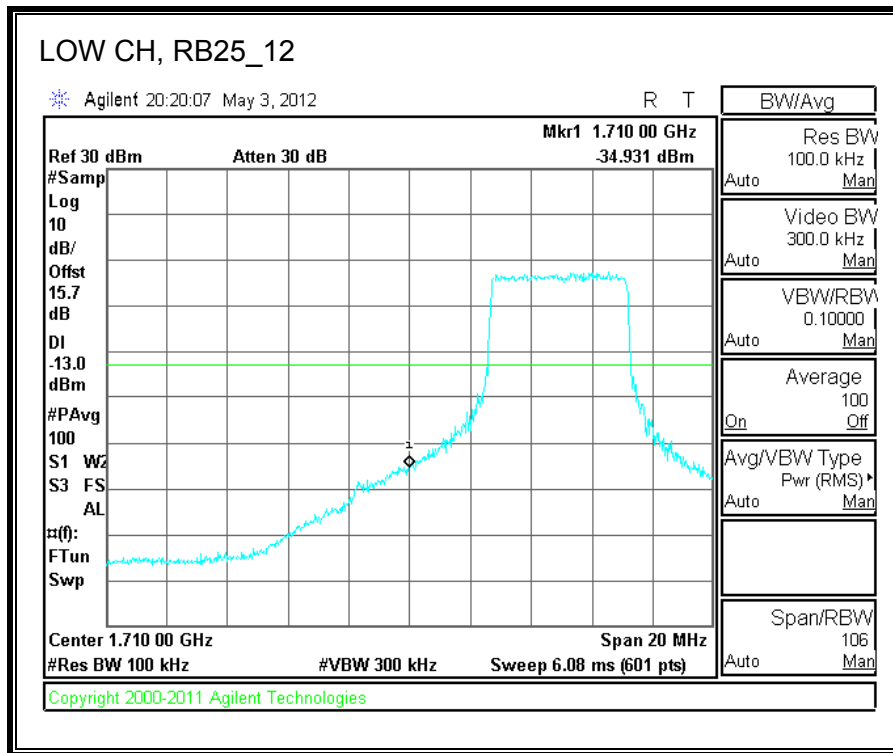


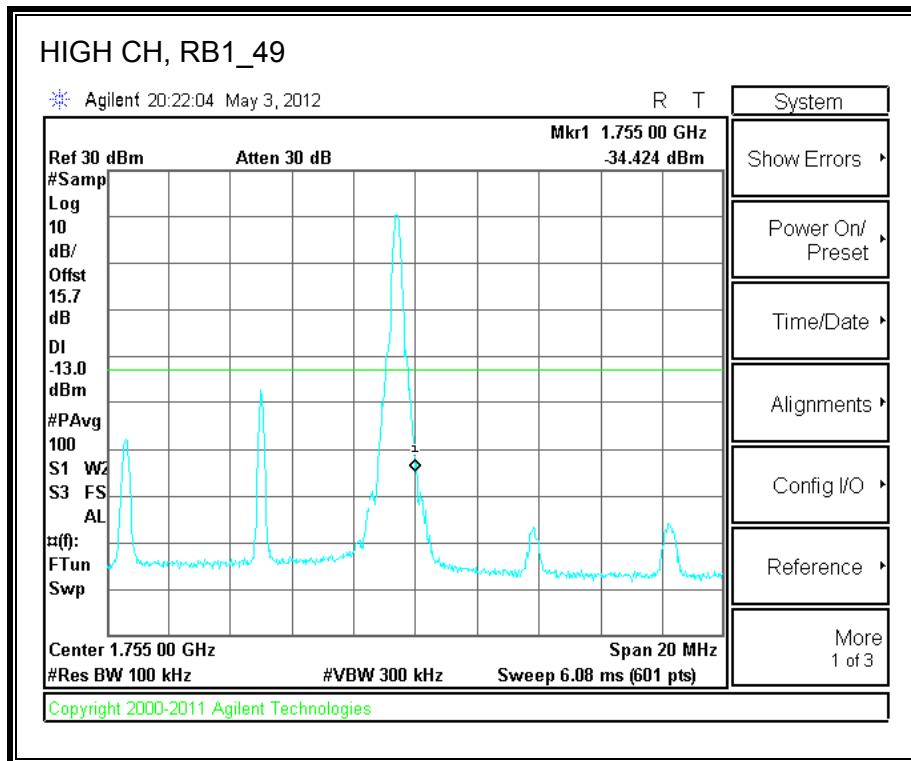
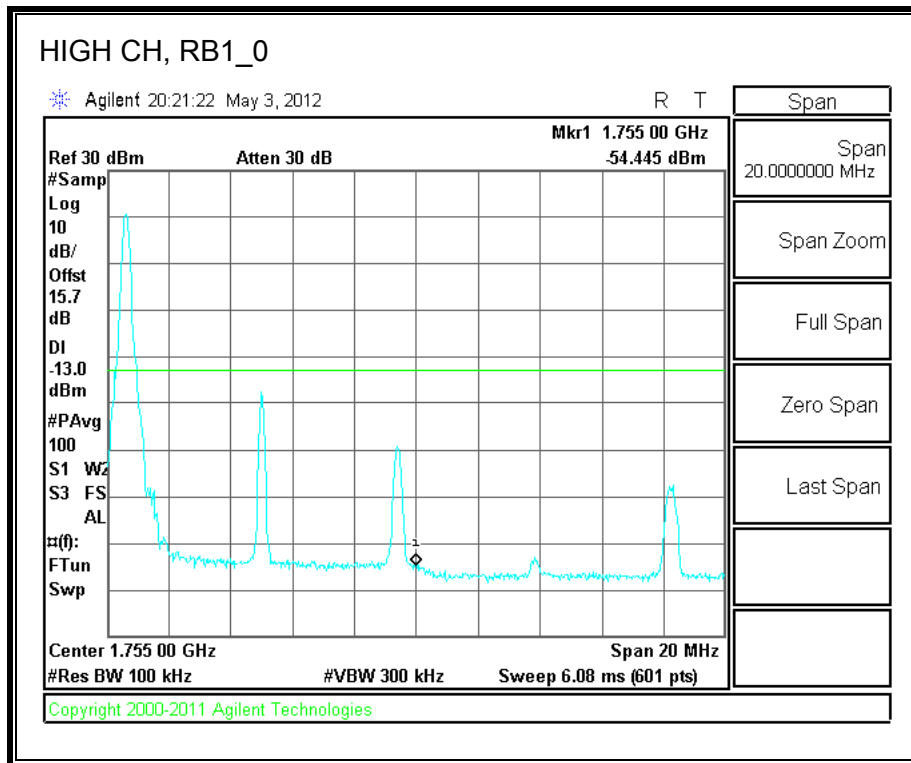


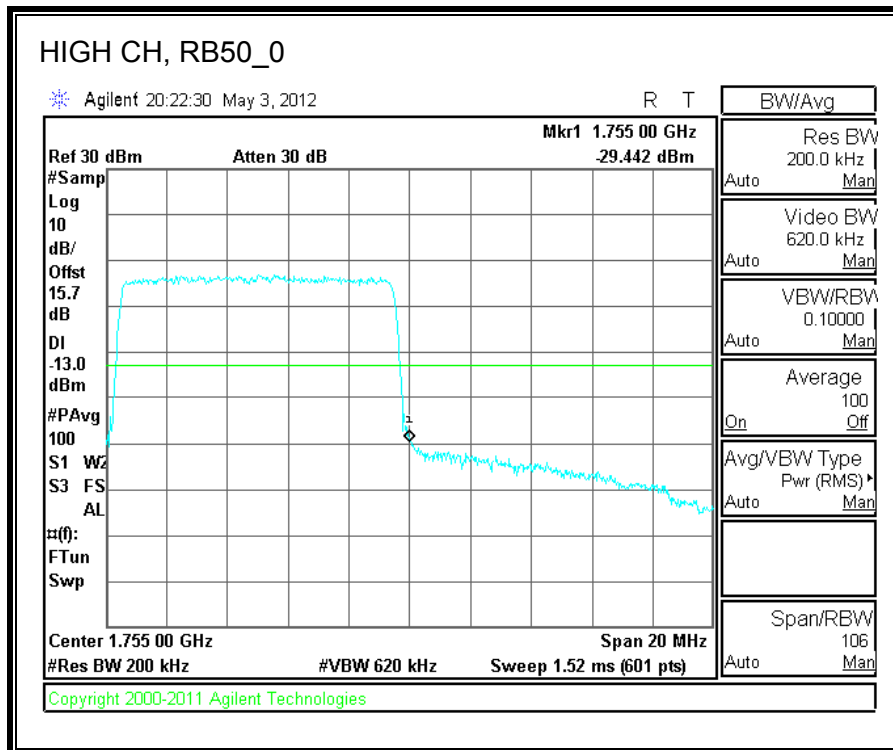
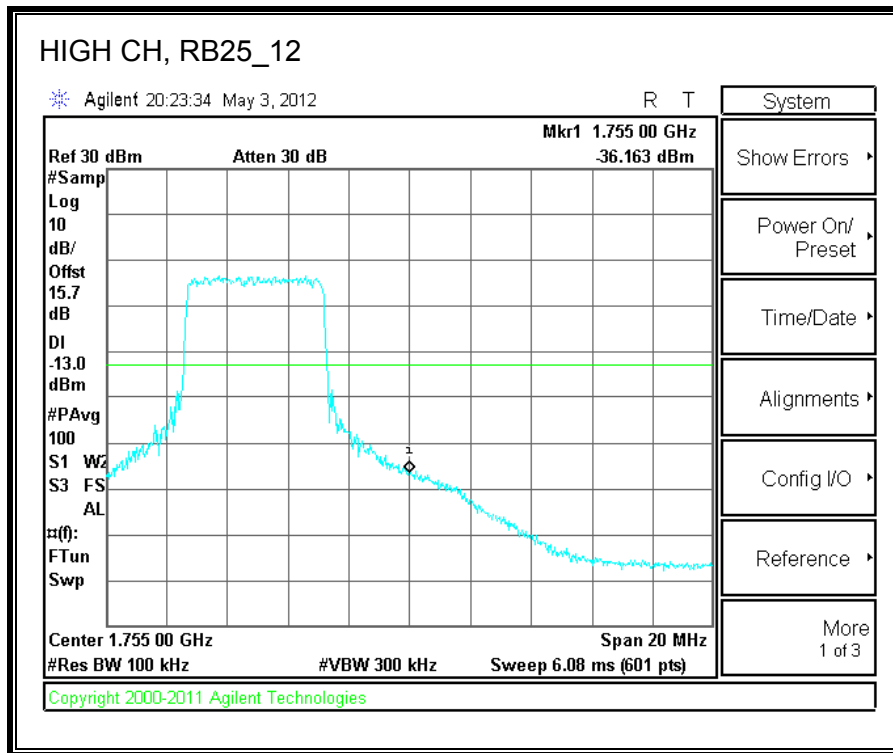


16QAM



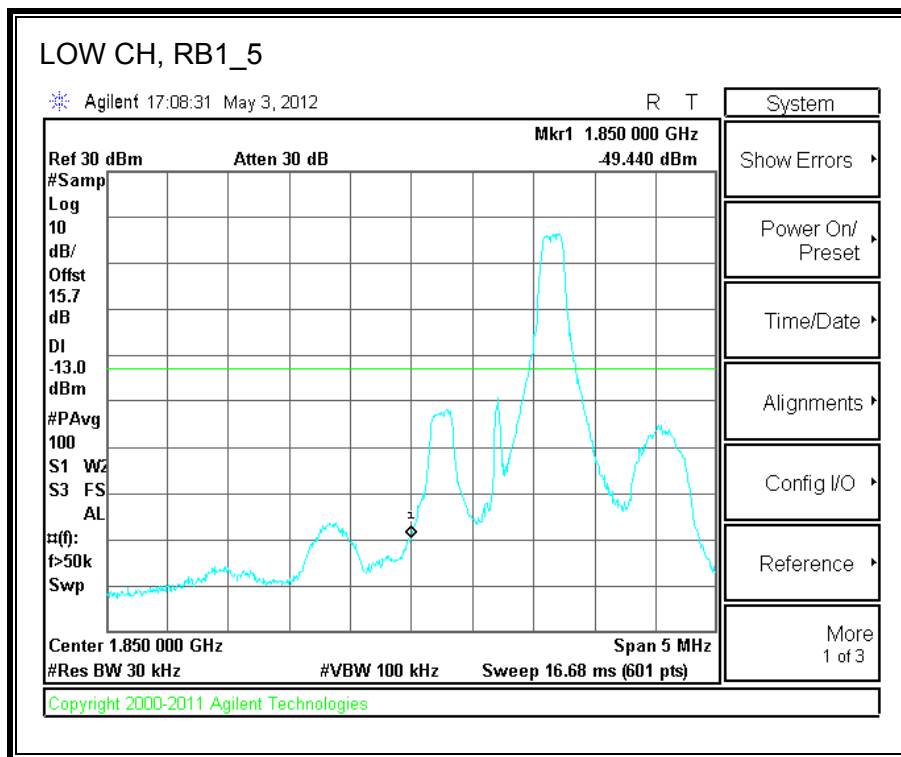
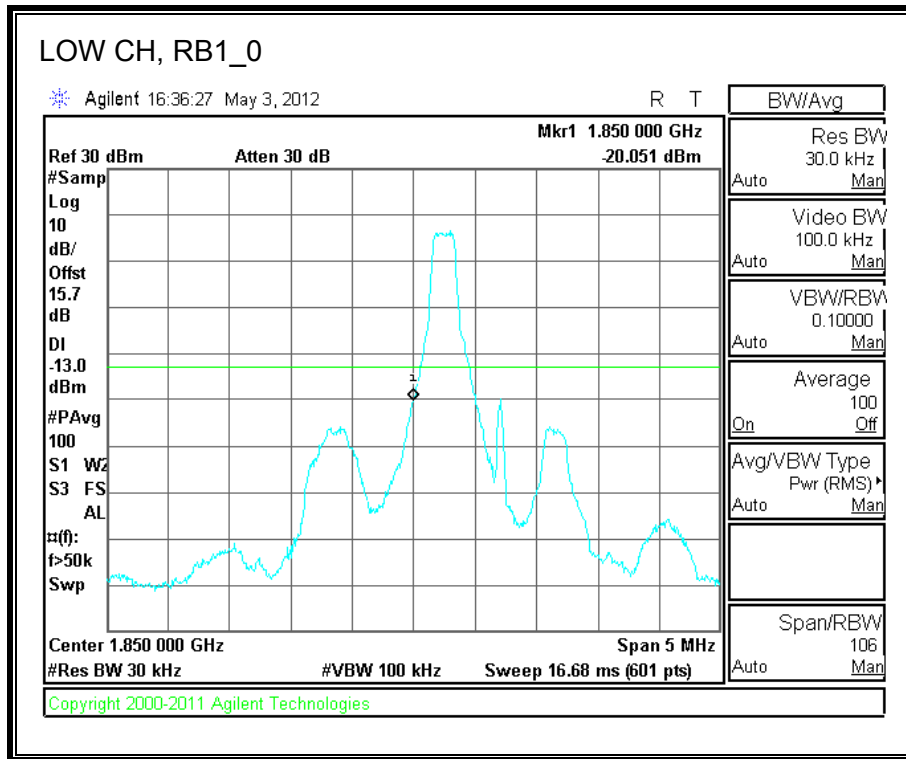


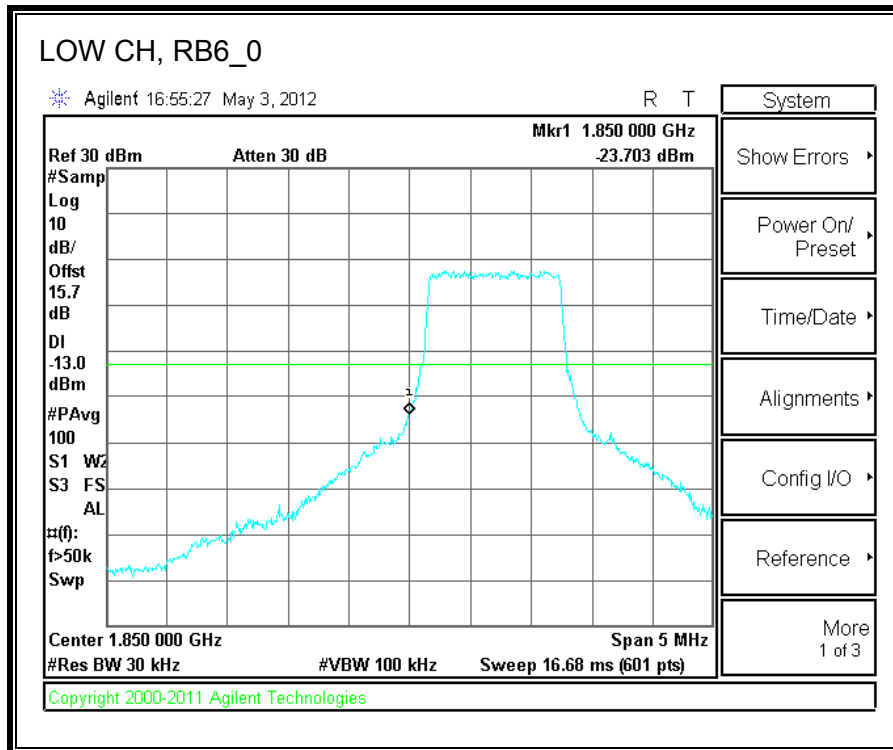
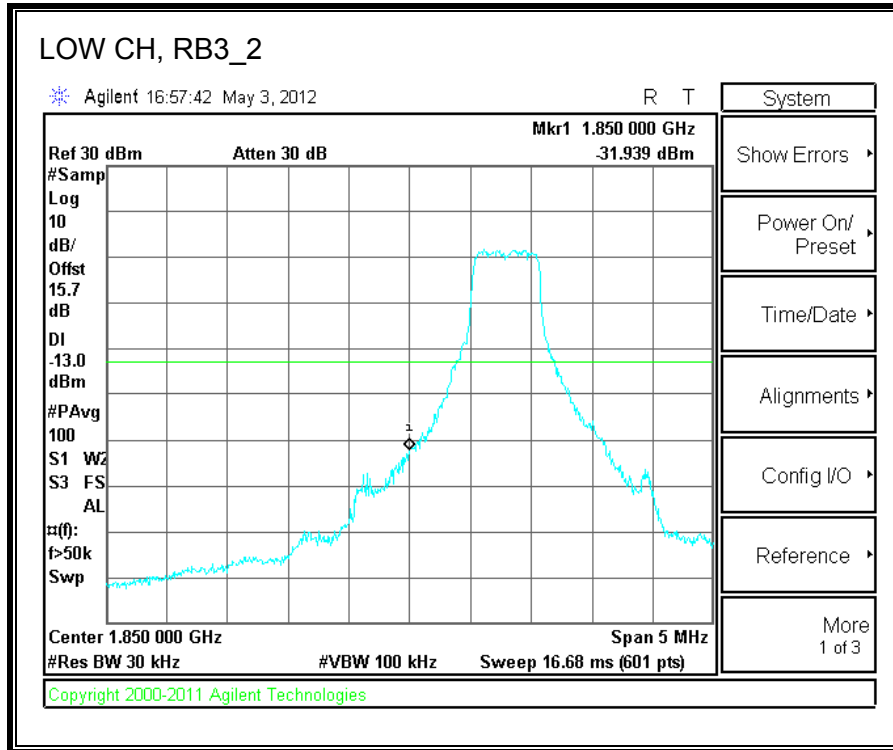


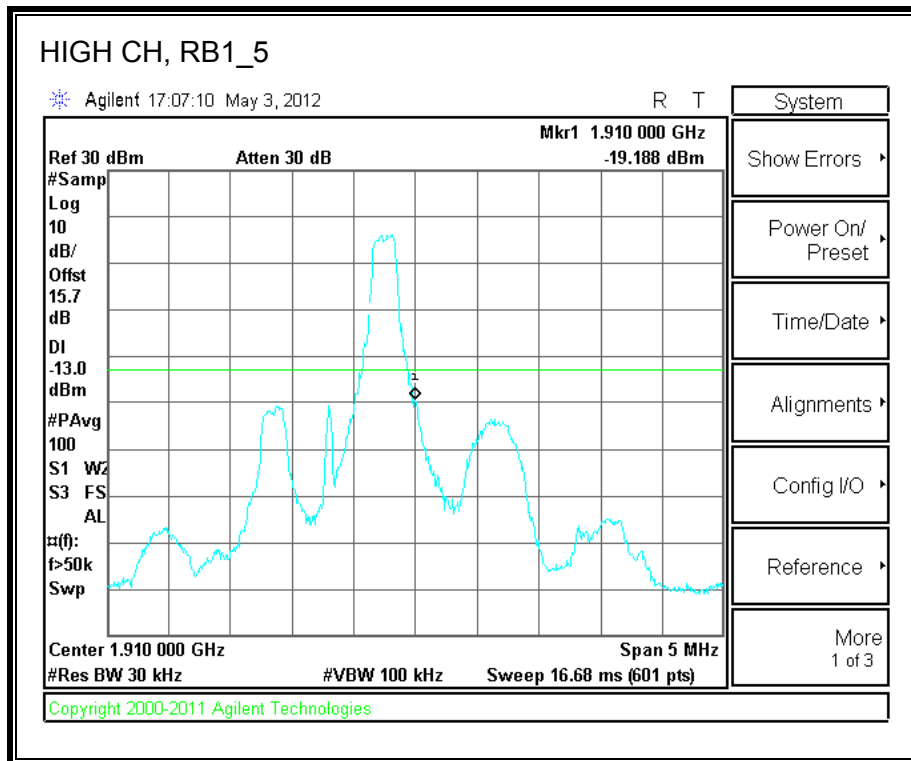
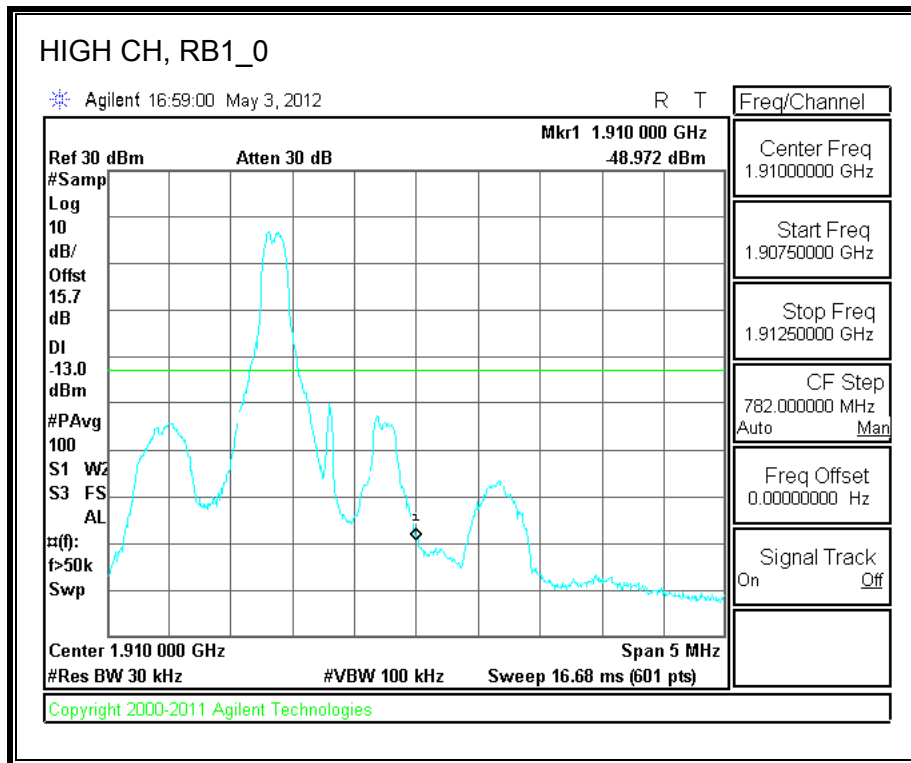


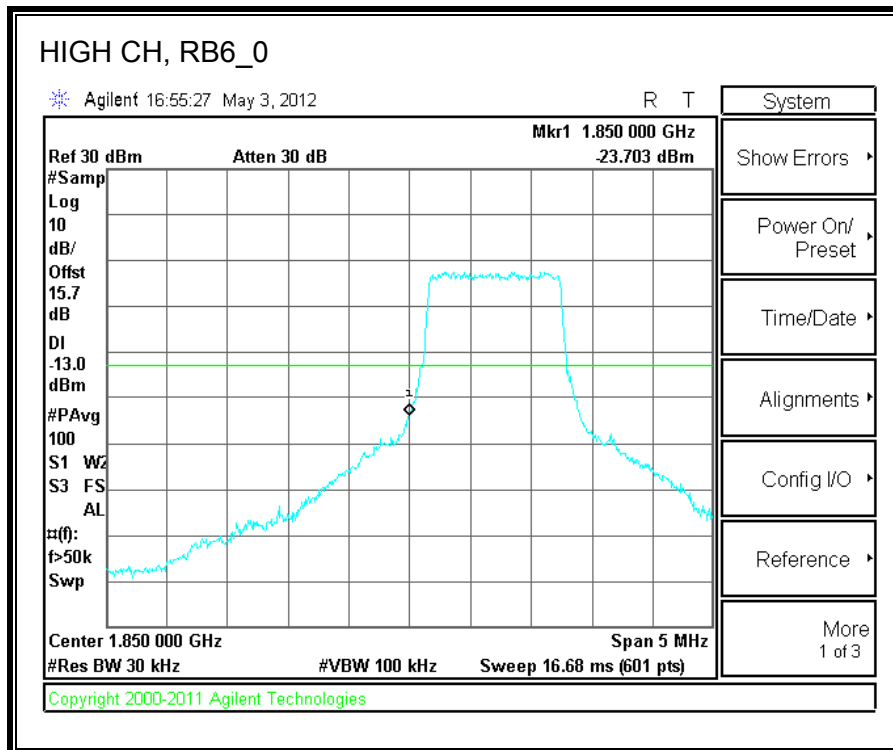
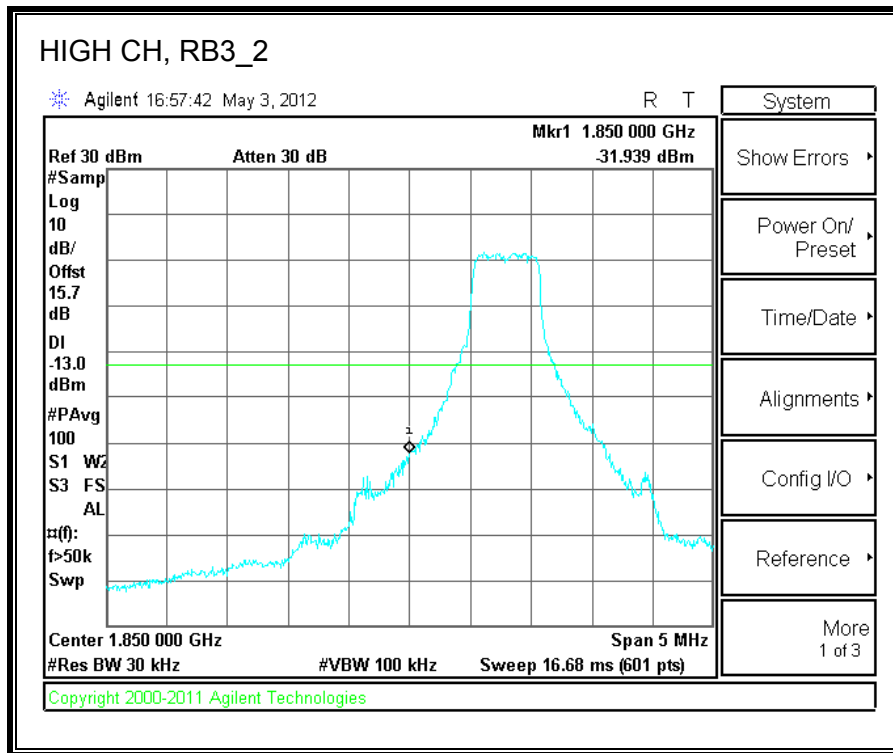
LTE, Band 2 (1.4MHz BAND WIDTH)

QPSK

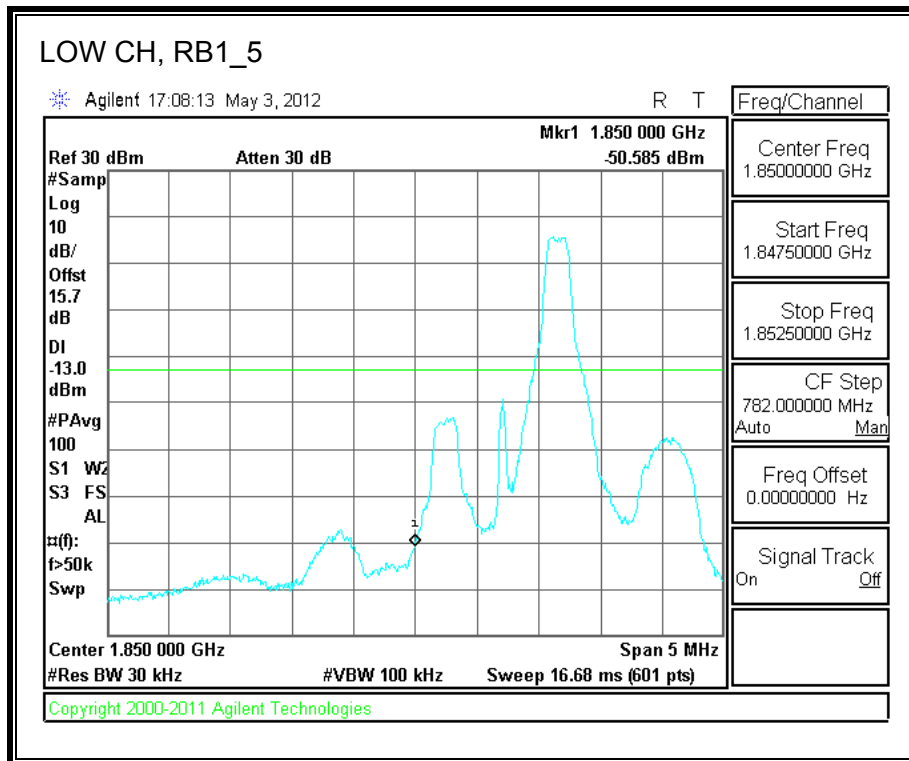
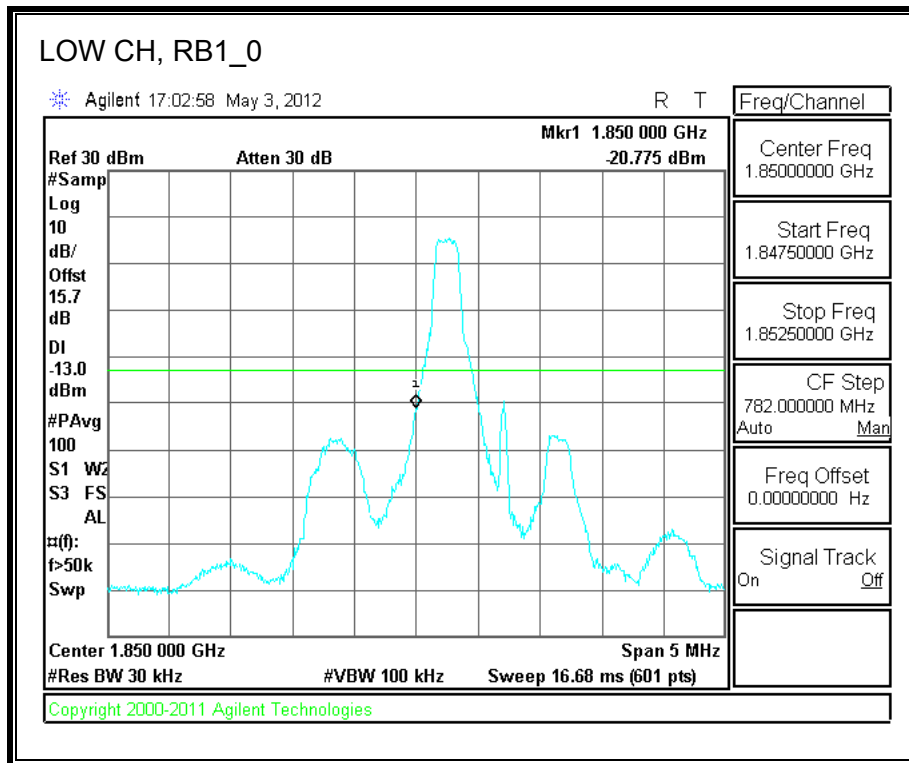


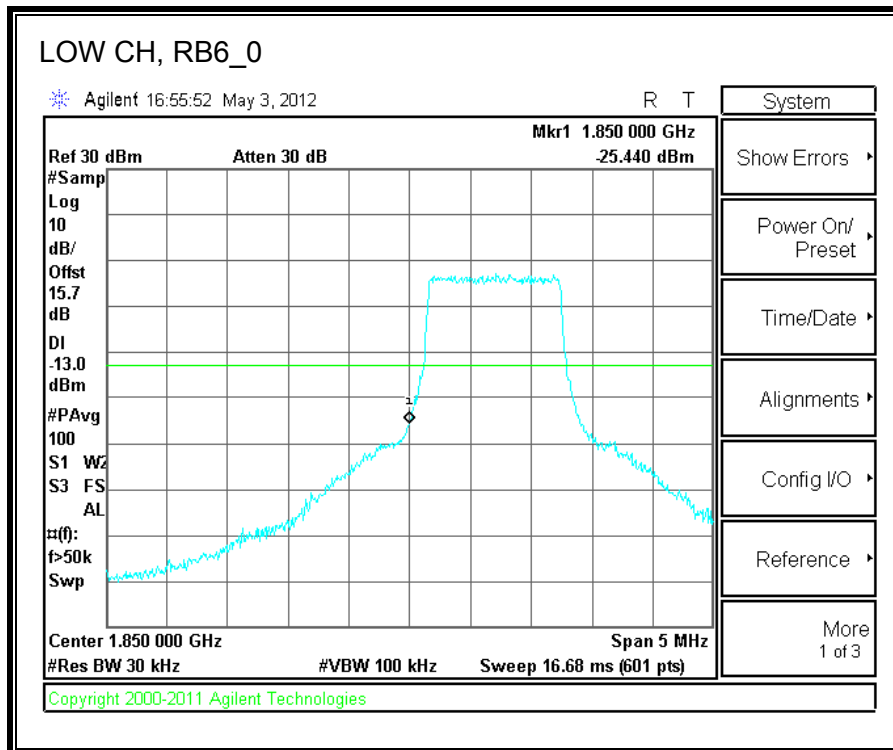
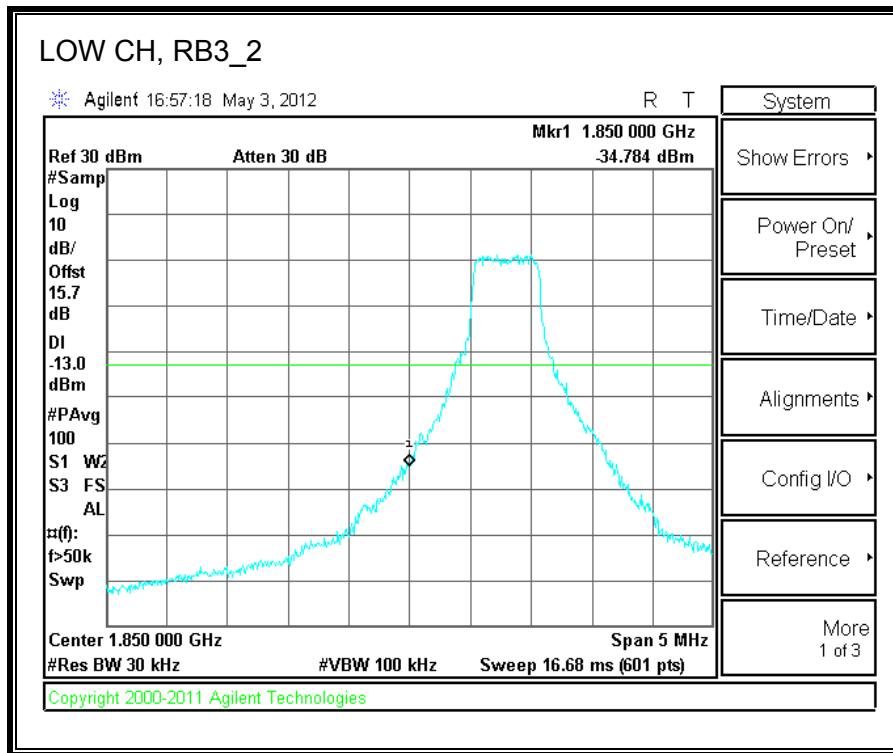


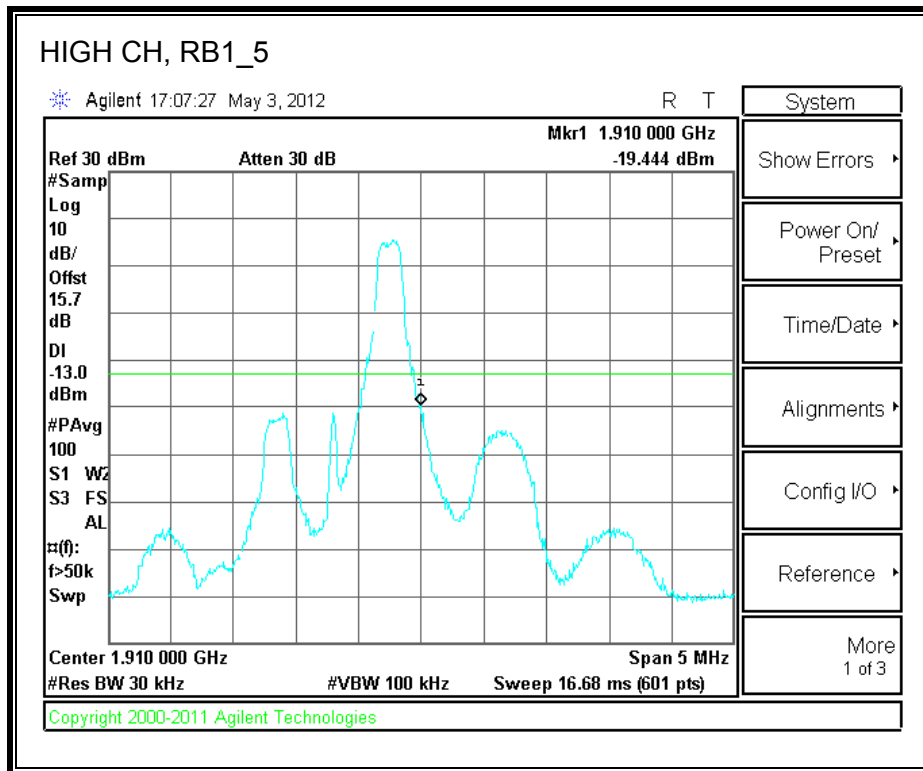
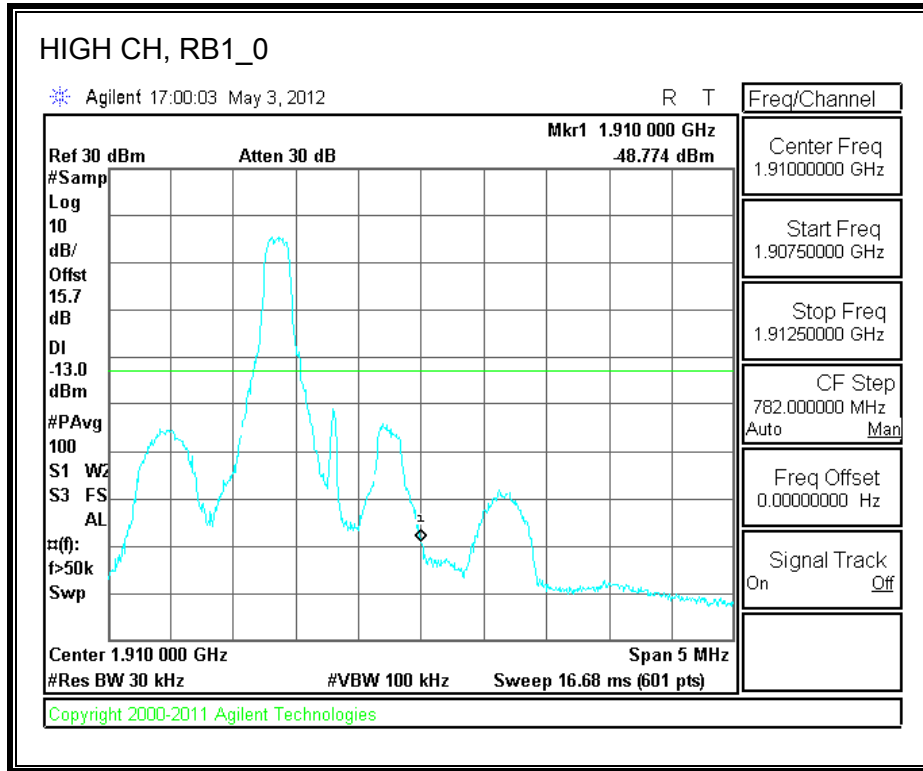


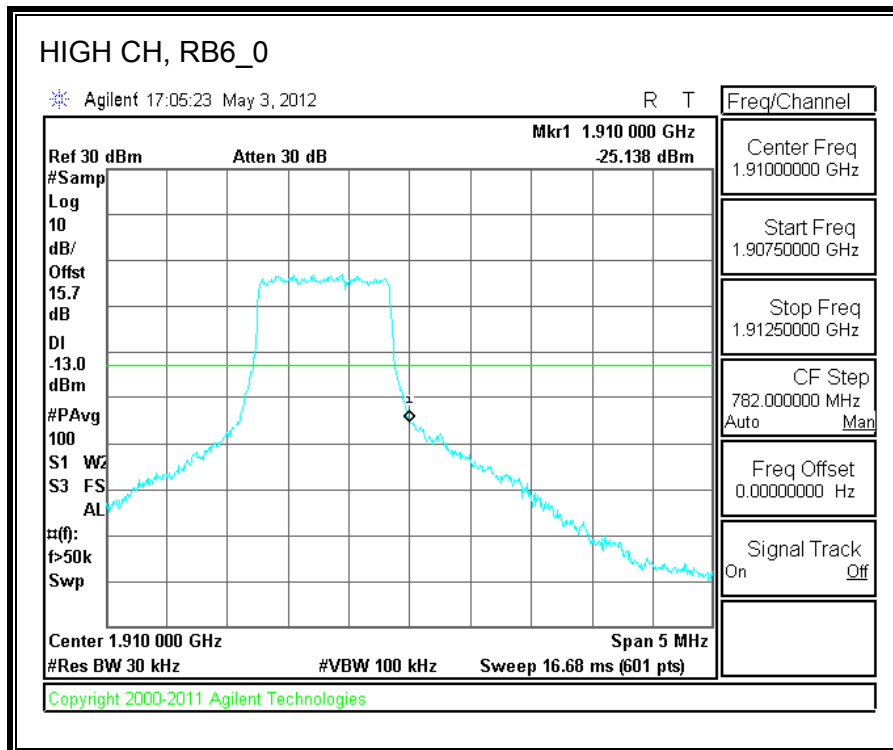
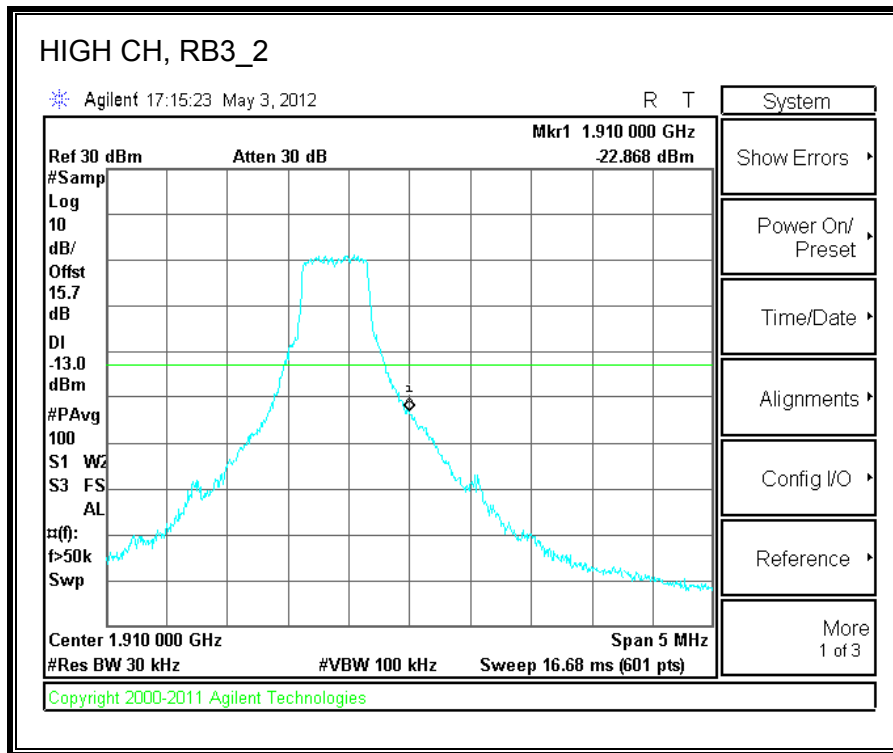


16QAM



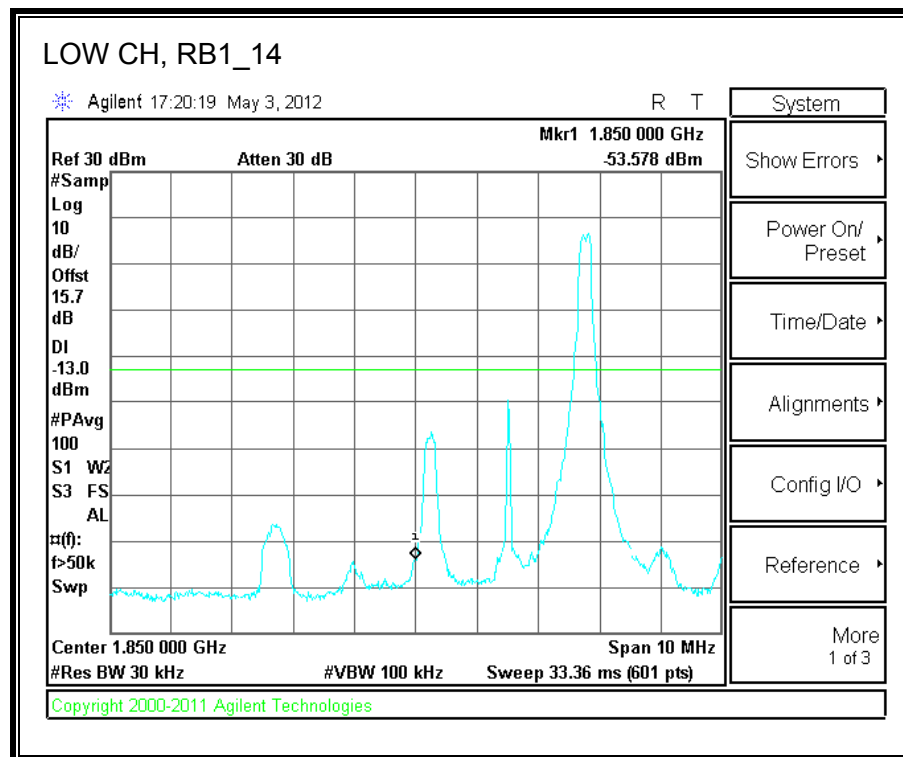
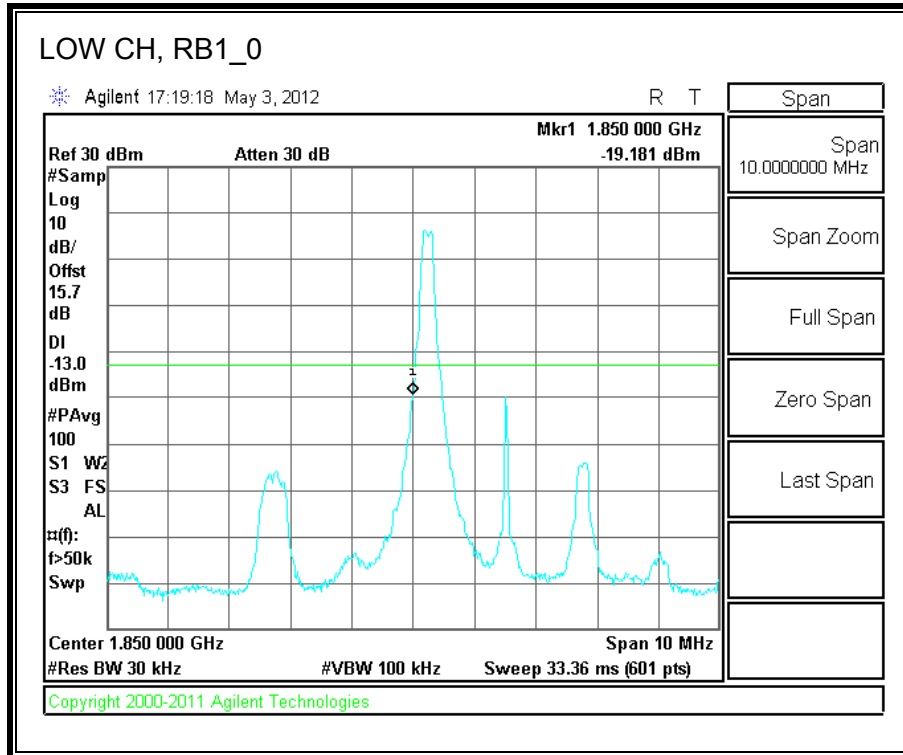


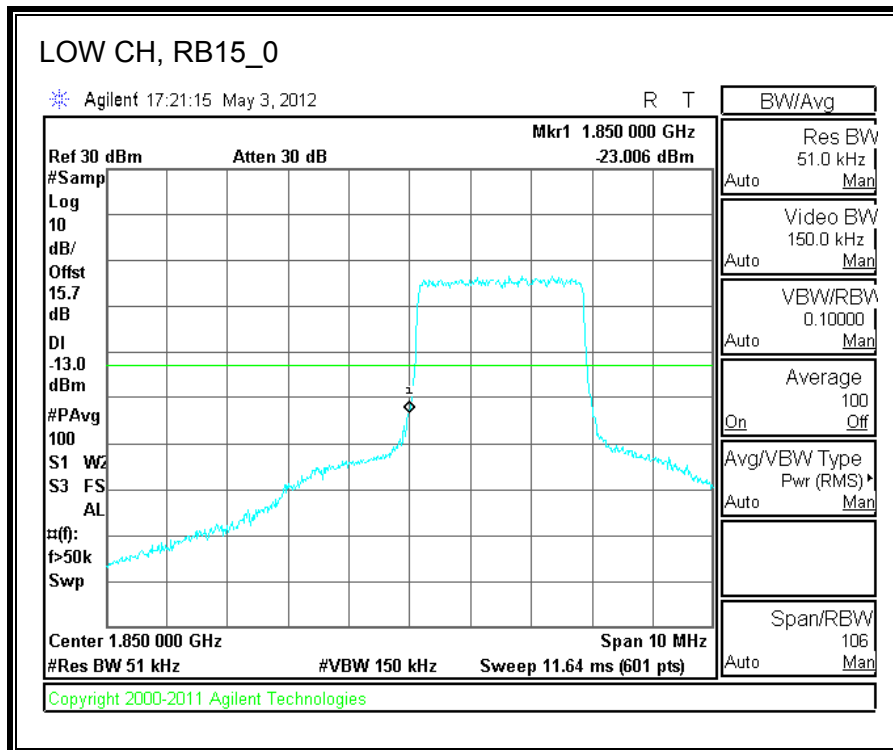
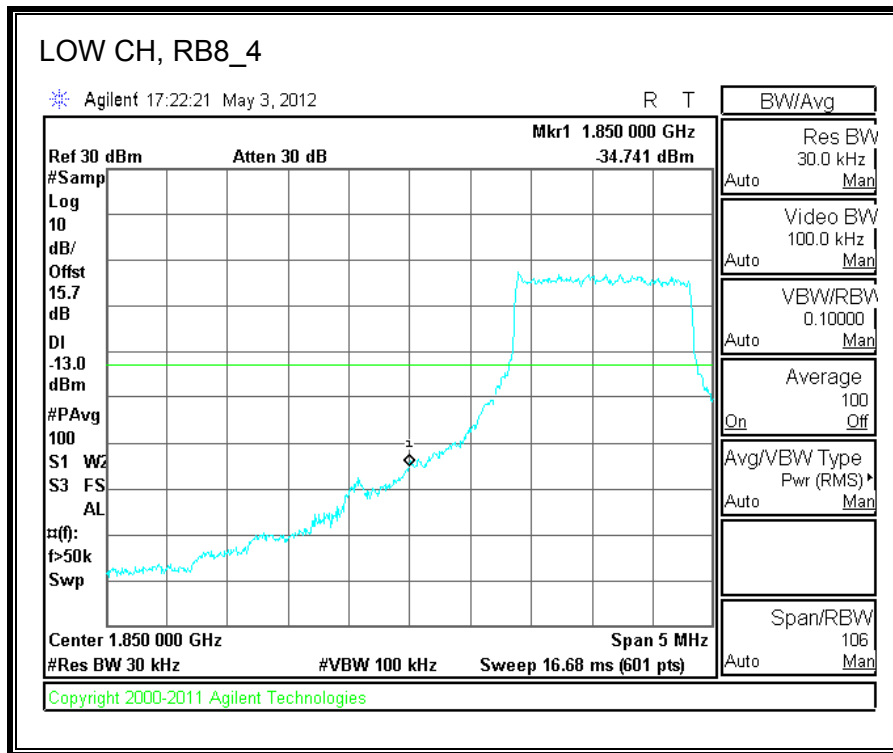


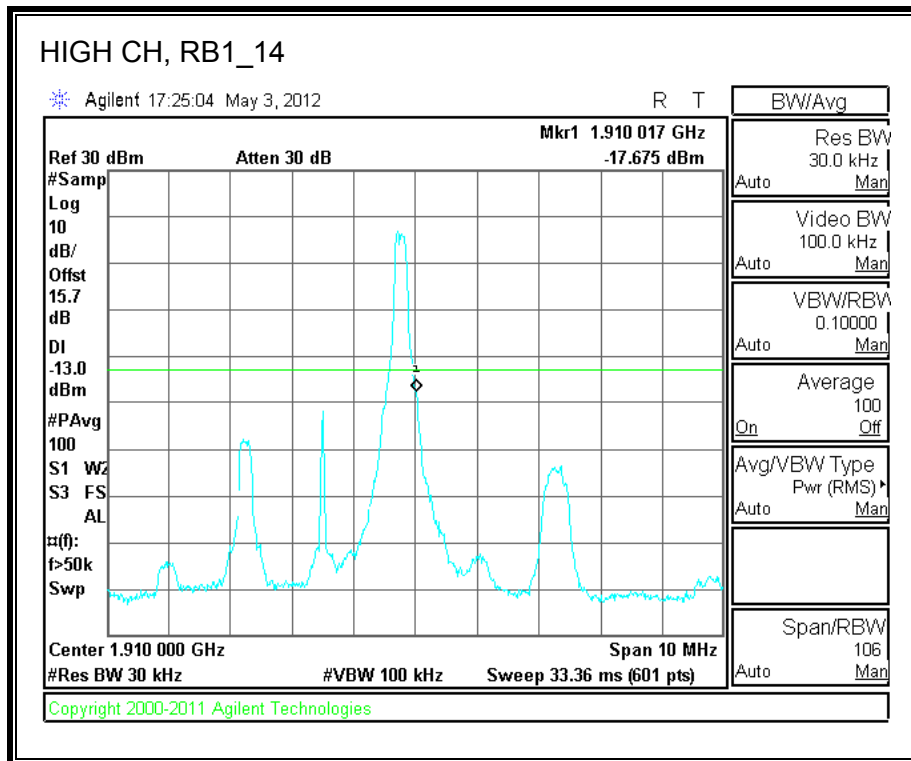
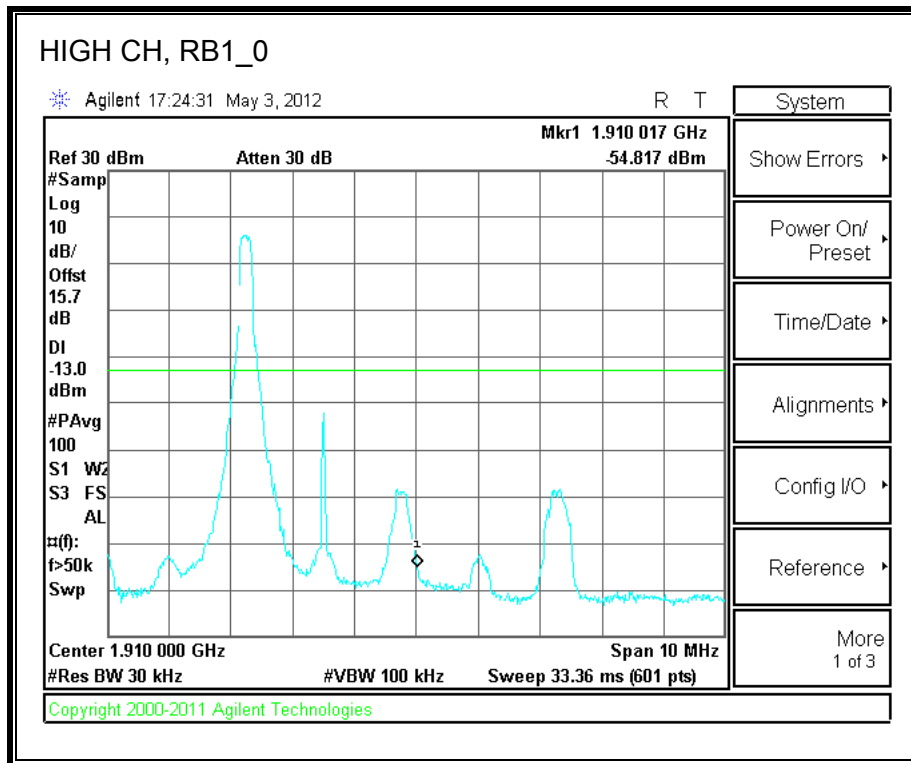


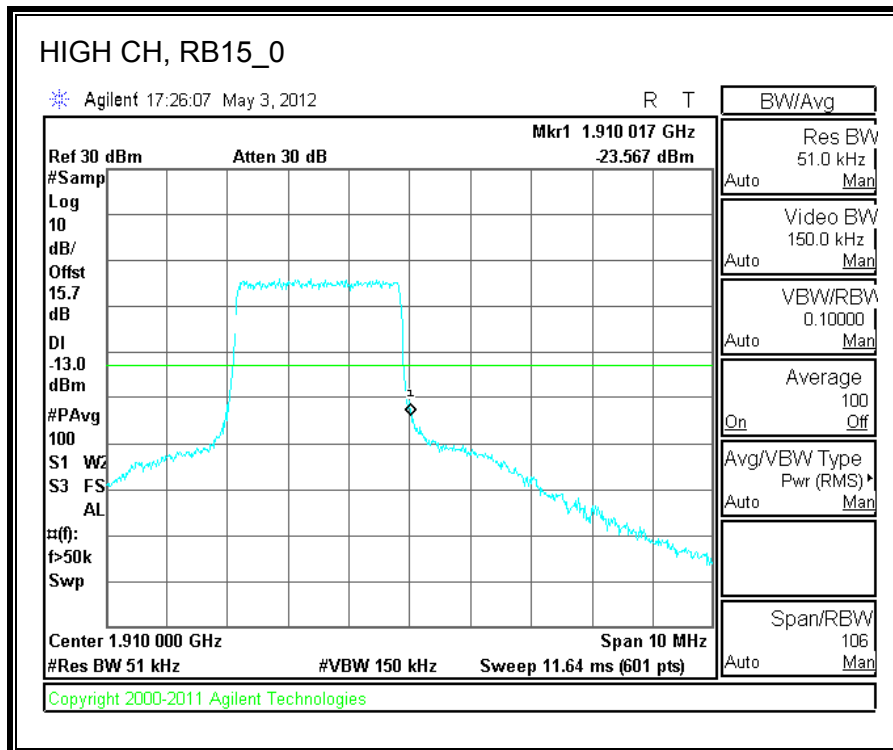
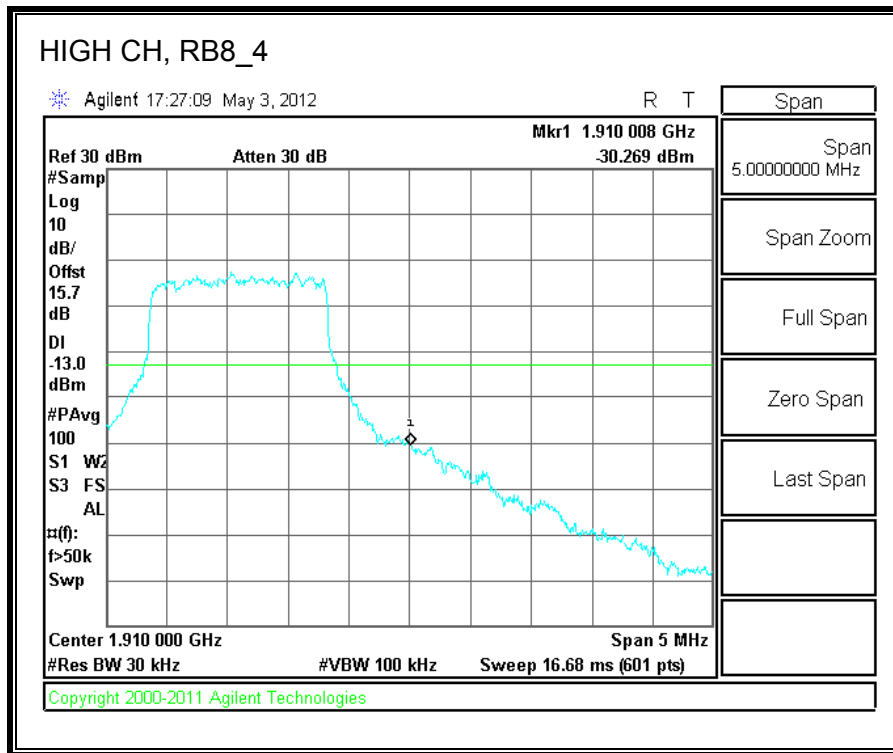
LTE, Band 2 (3.0MHz BAND WIDTH)

QPSK

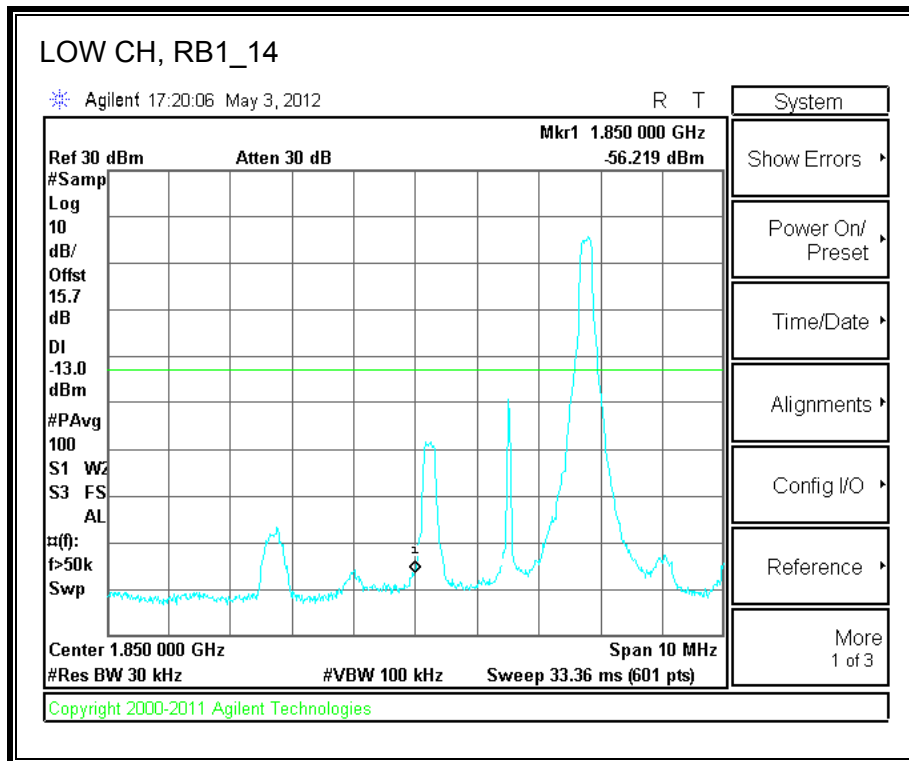
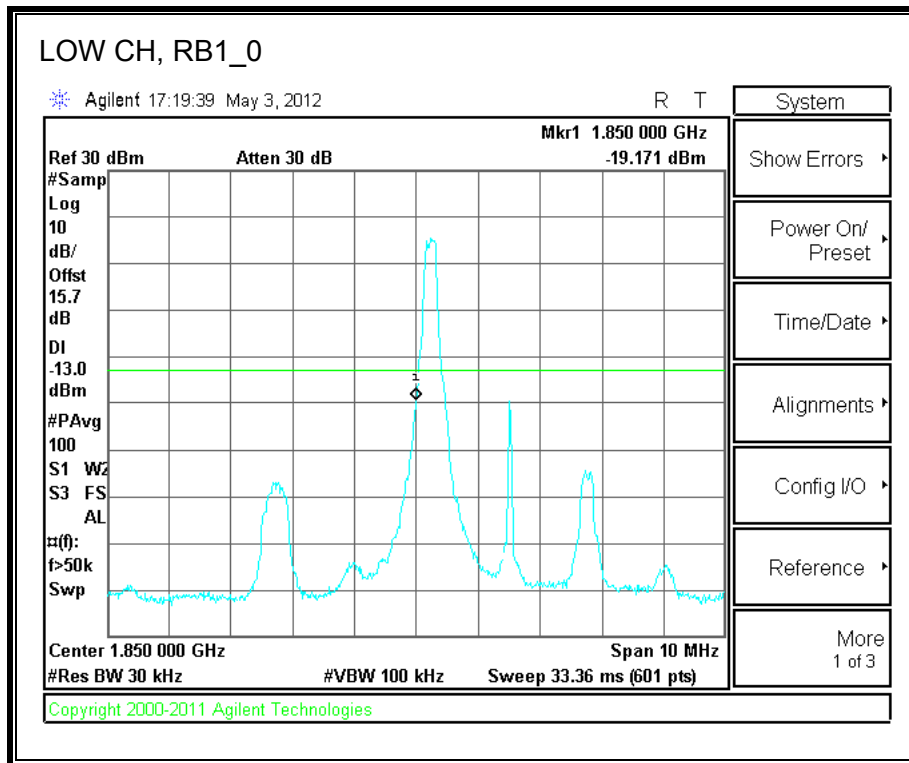


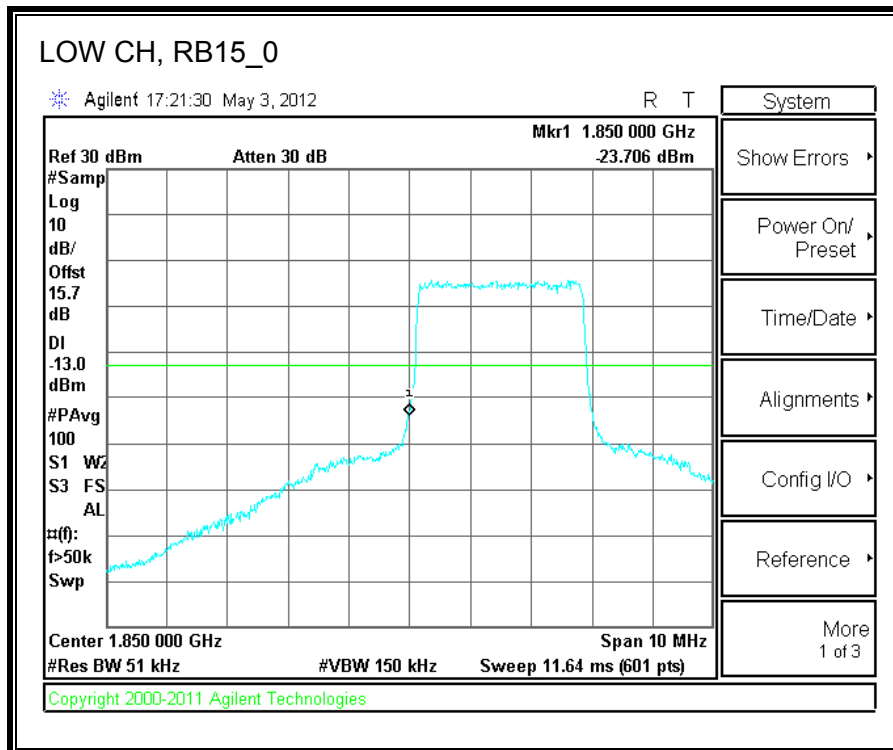
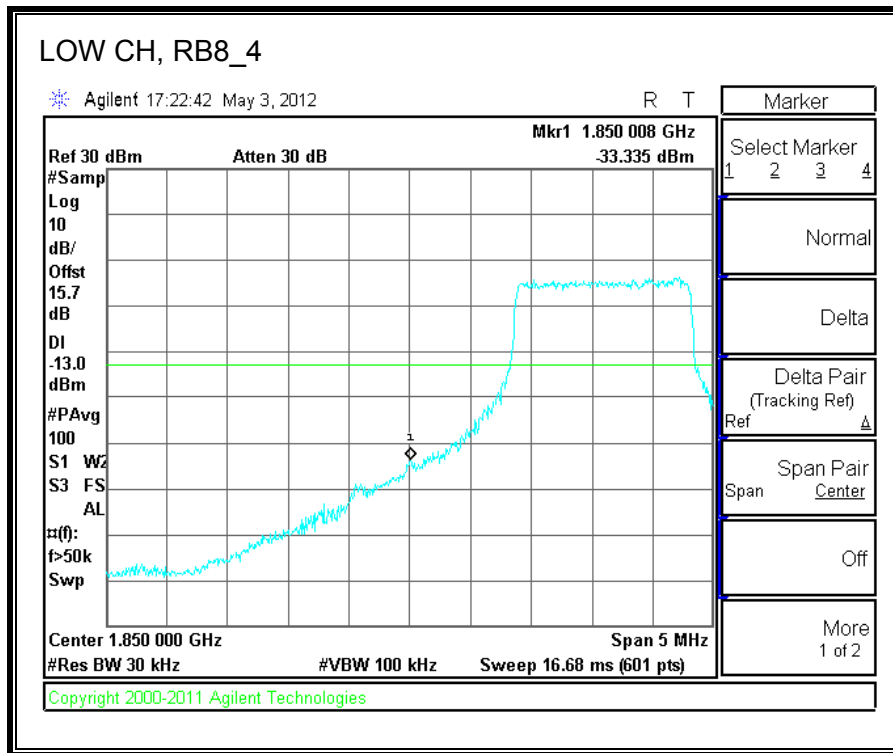


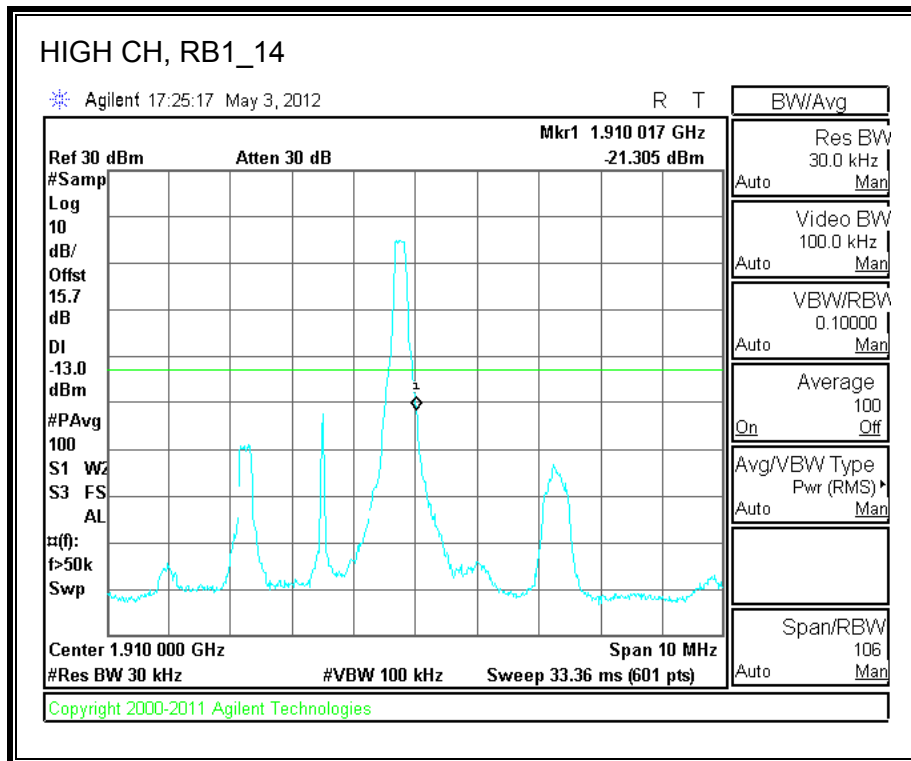
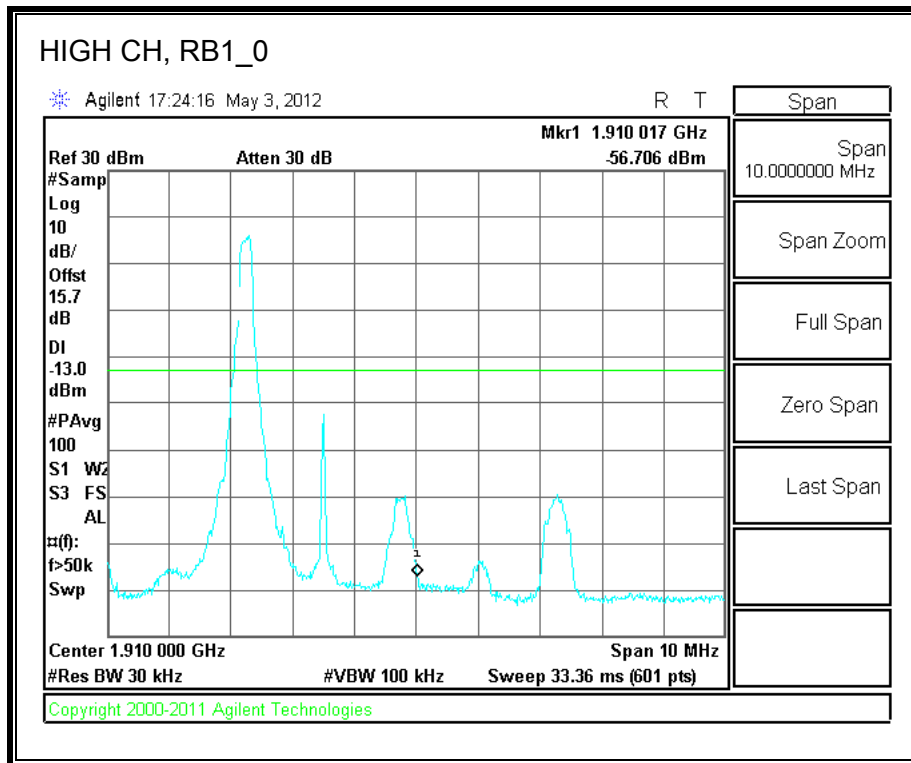


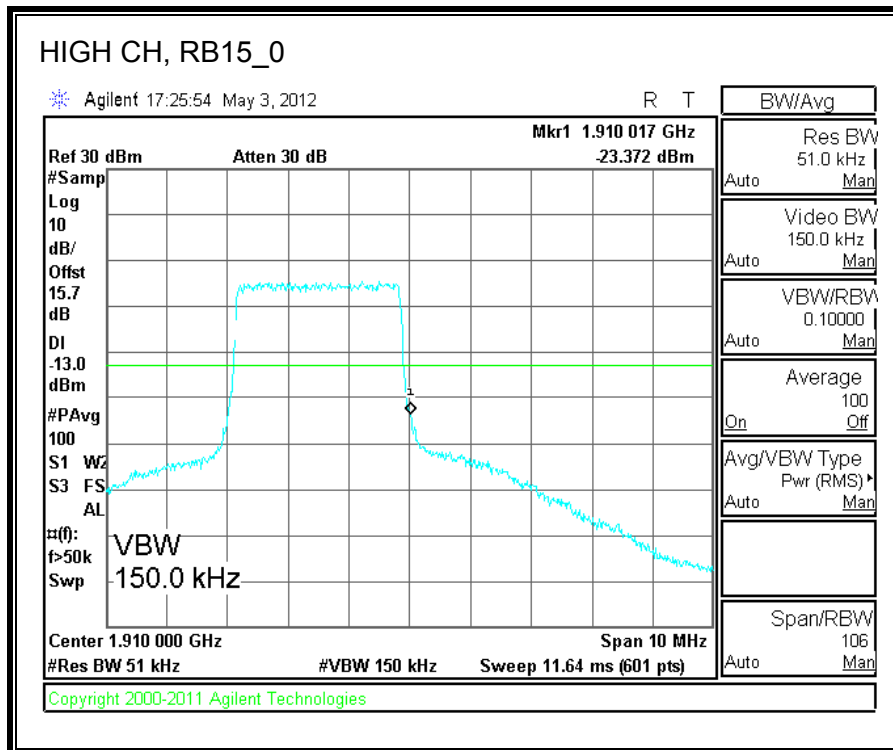
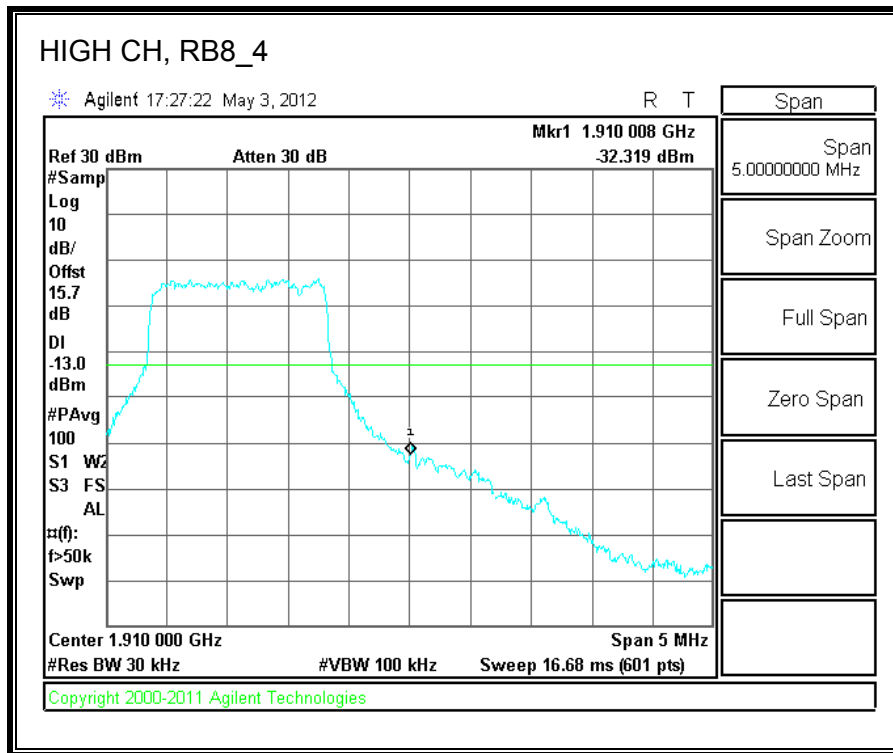


16QAM



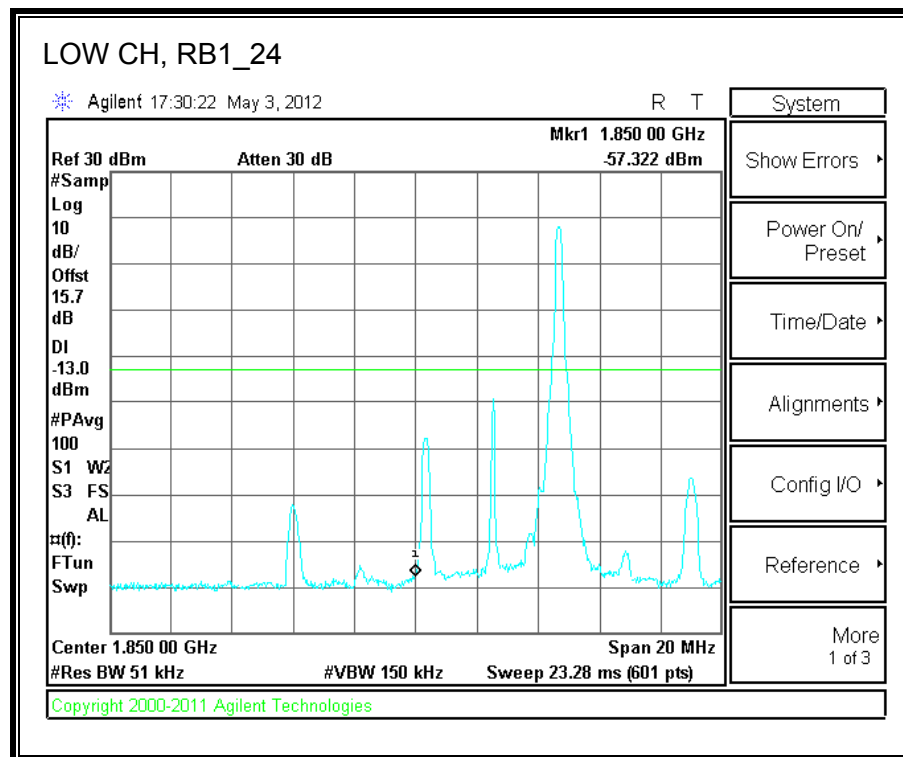
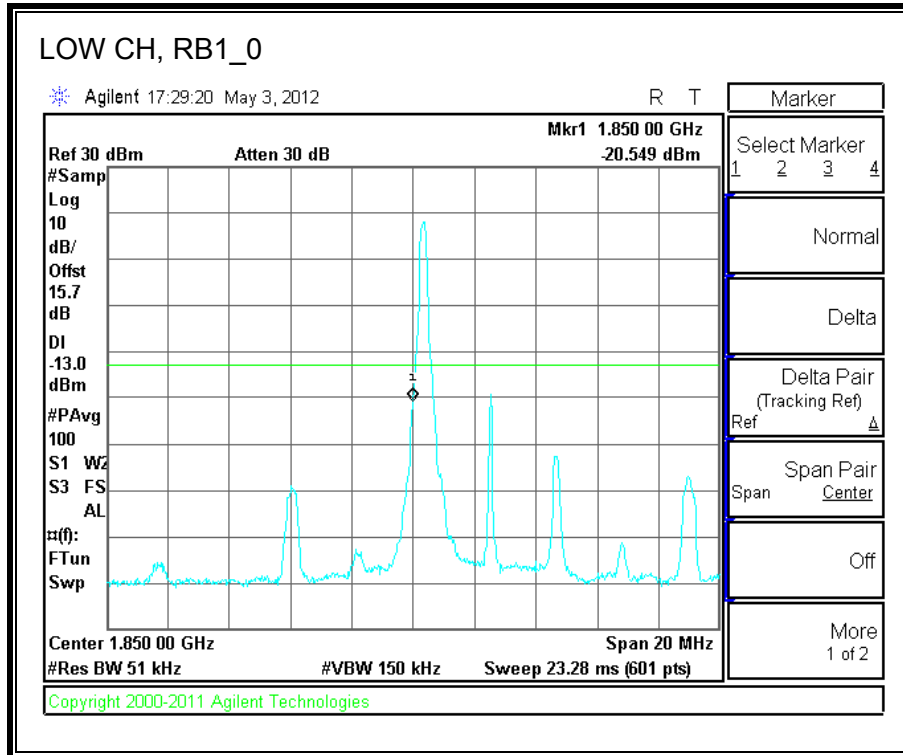


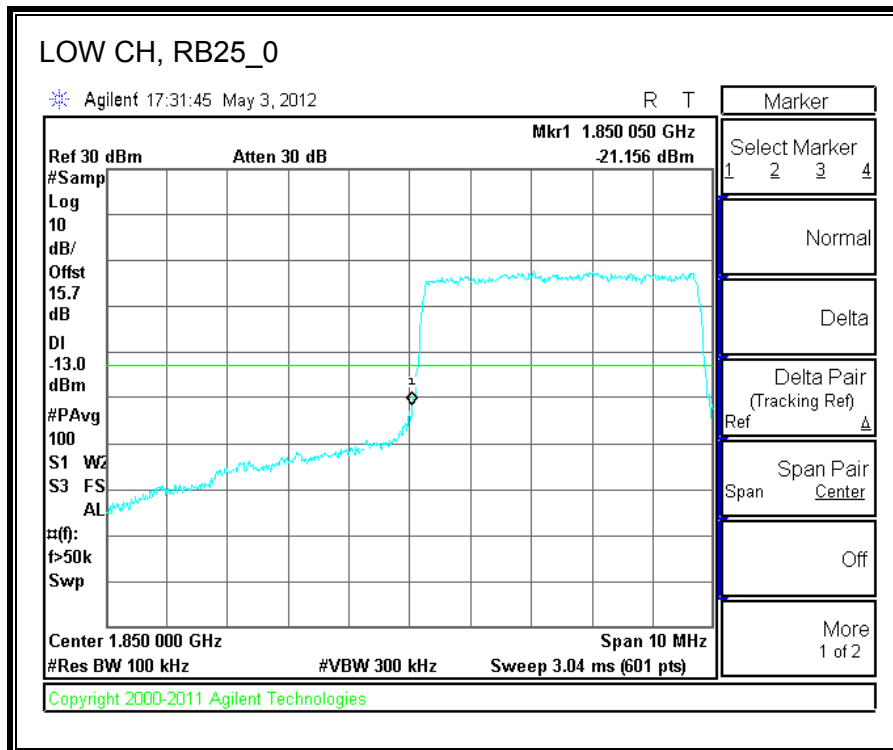
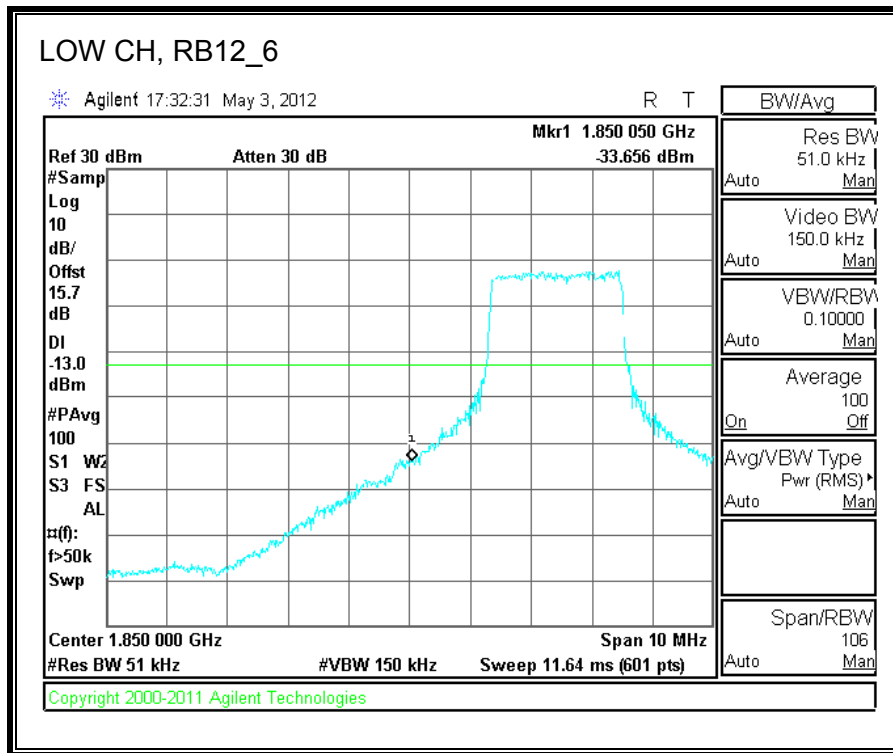


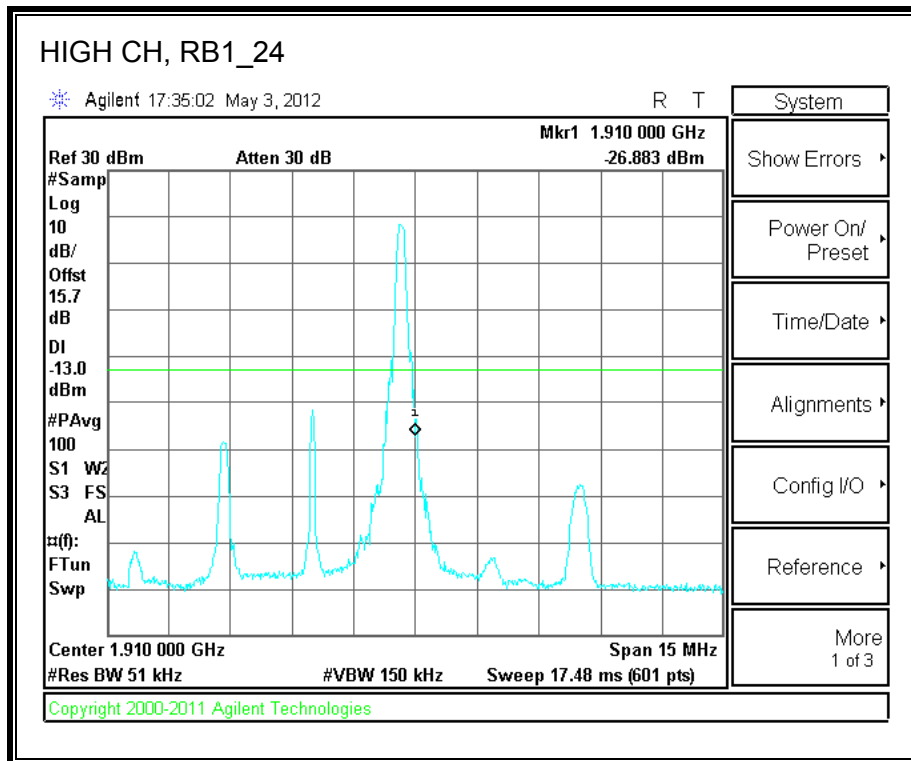
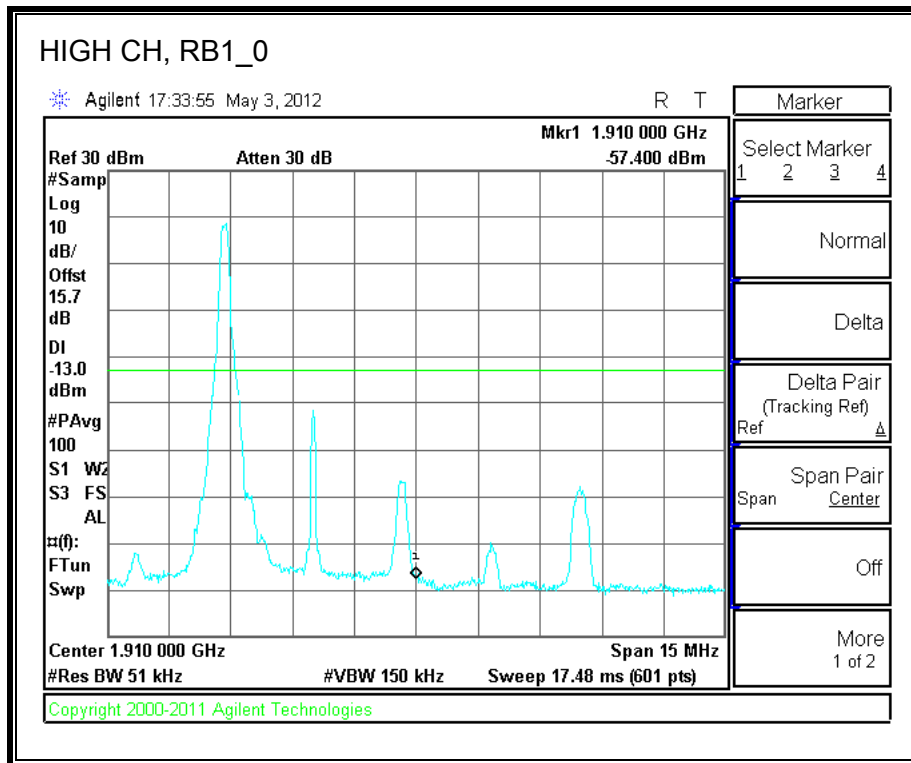


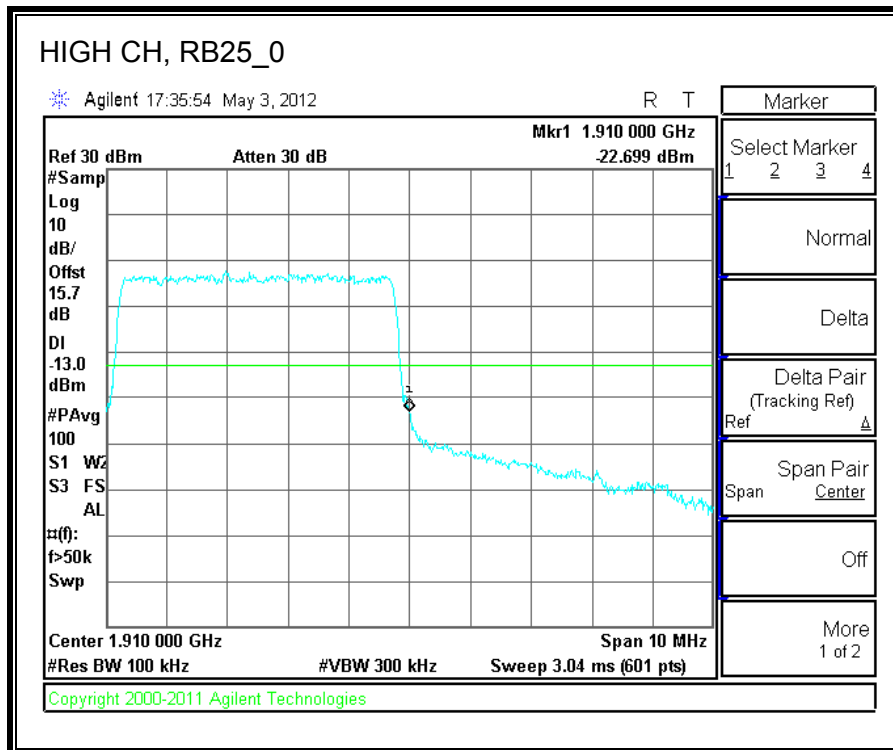
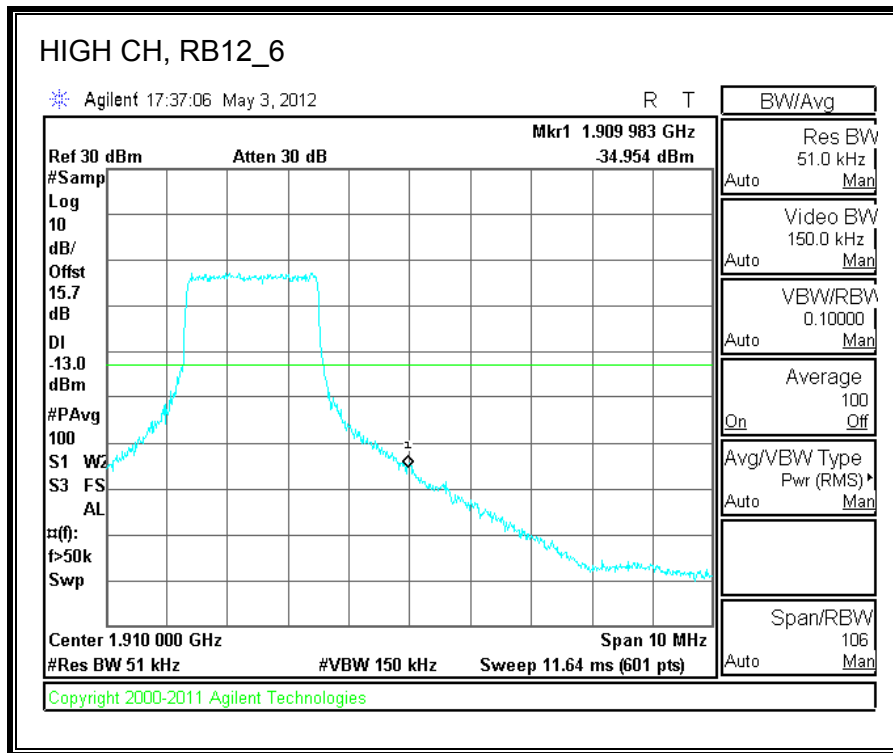
LTE, Band 2 (5.0MHz BAND WIDTH)

QPSK

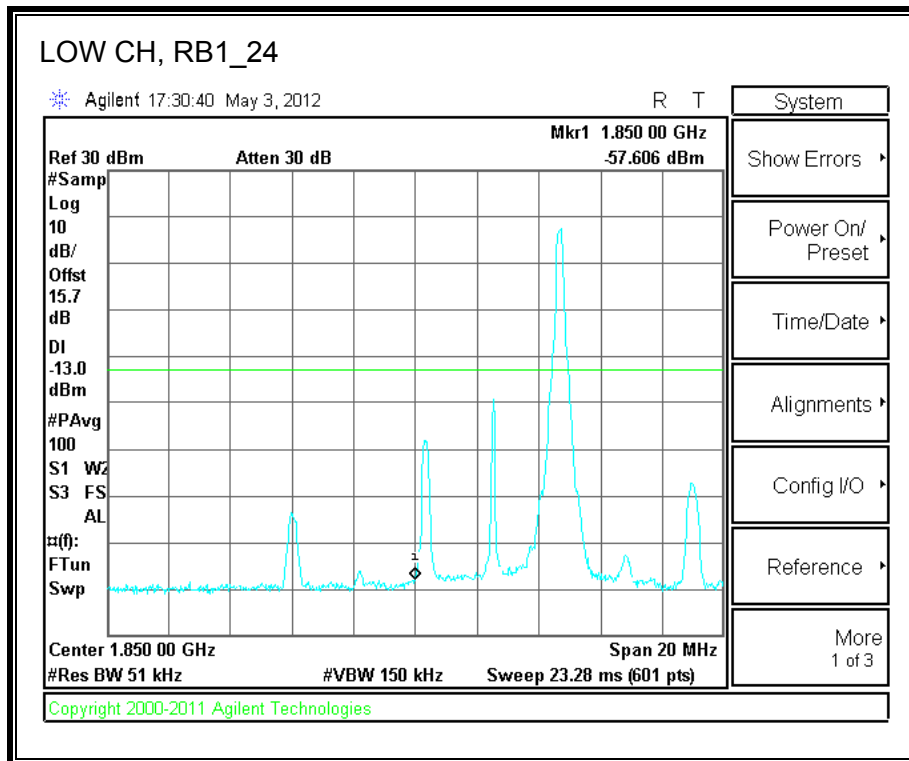
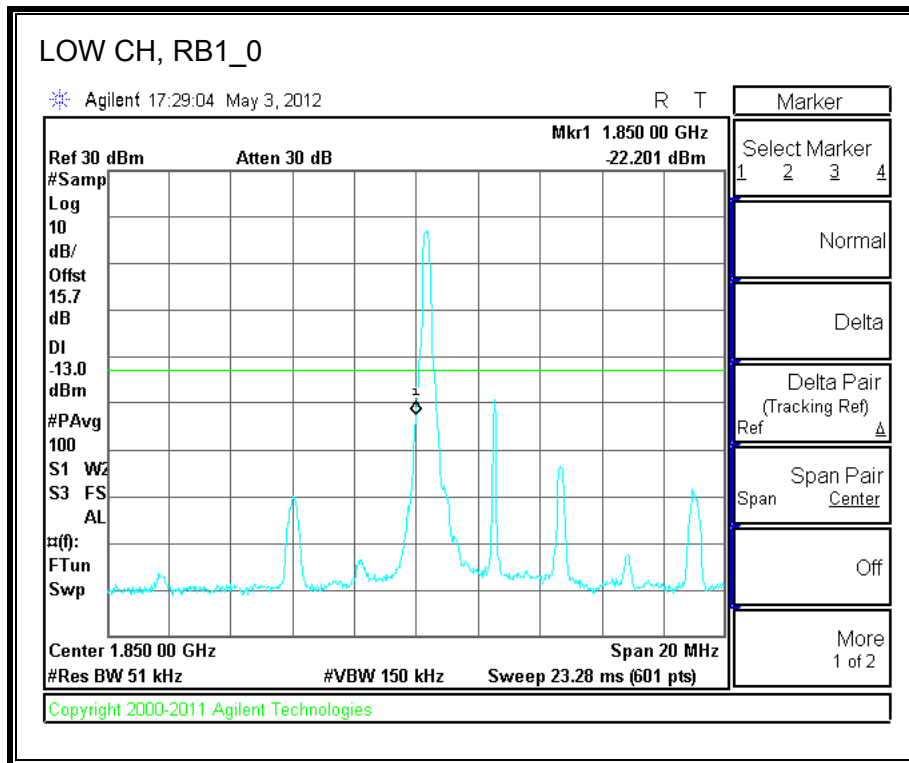


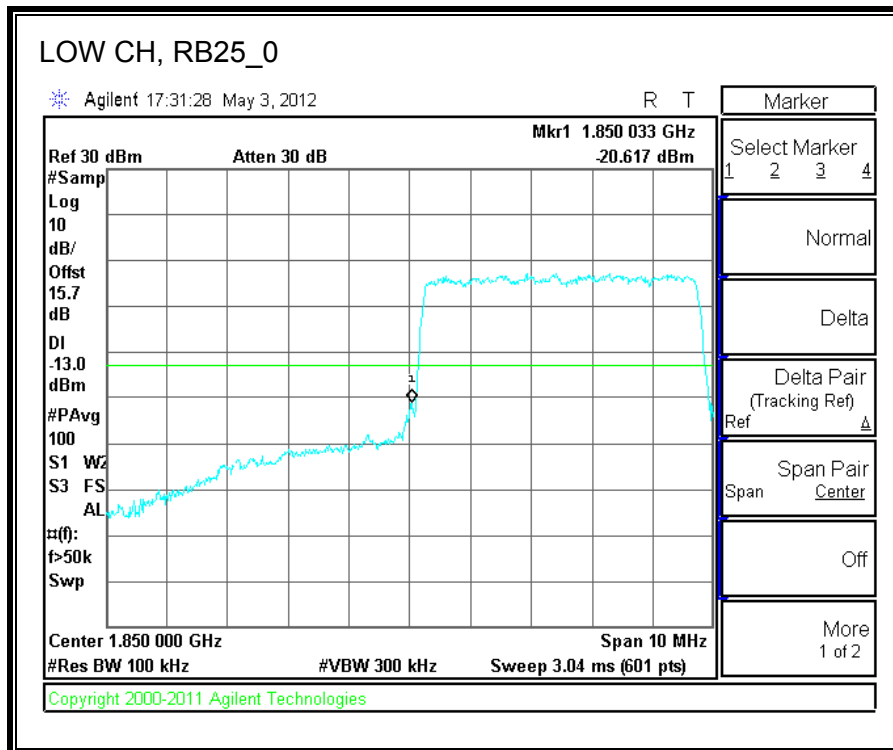
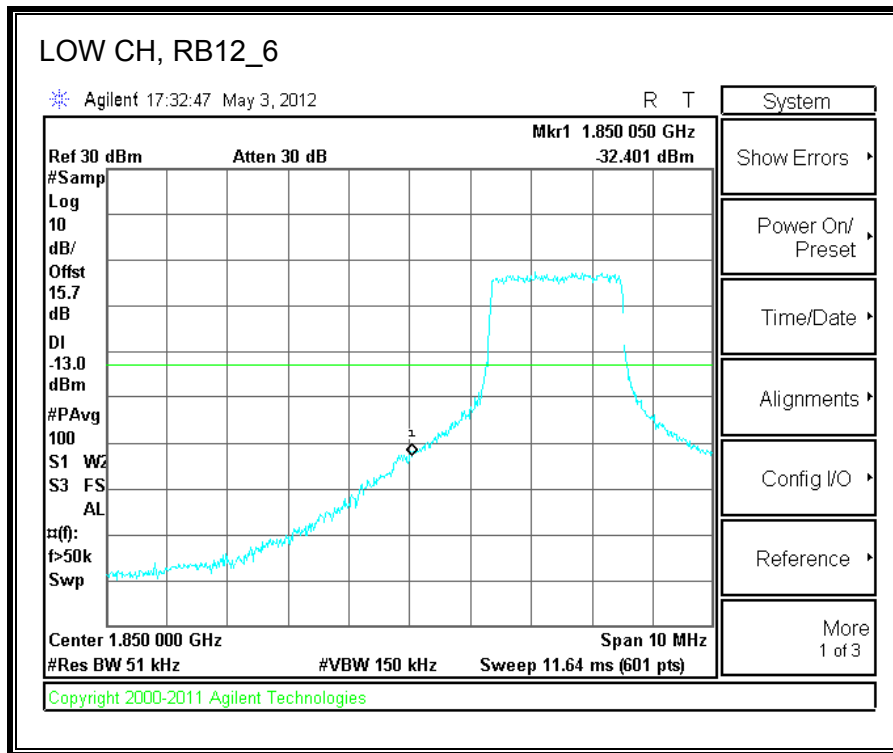


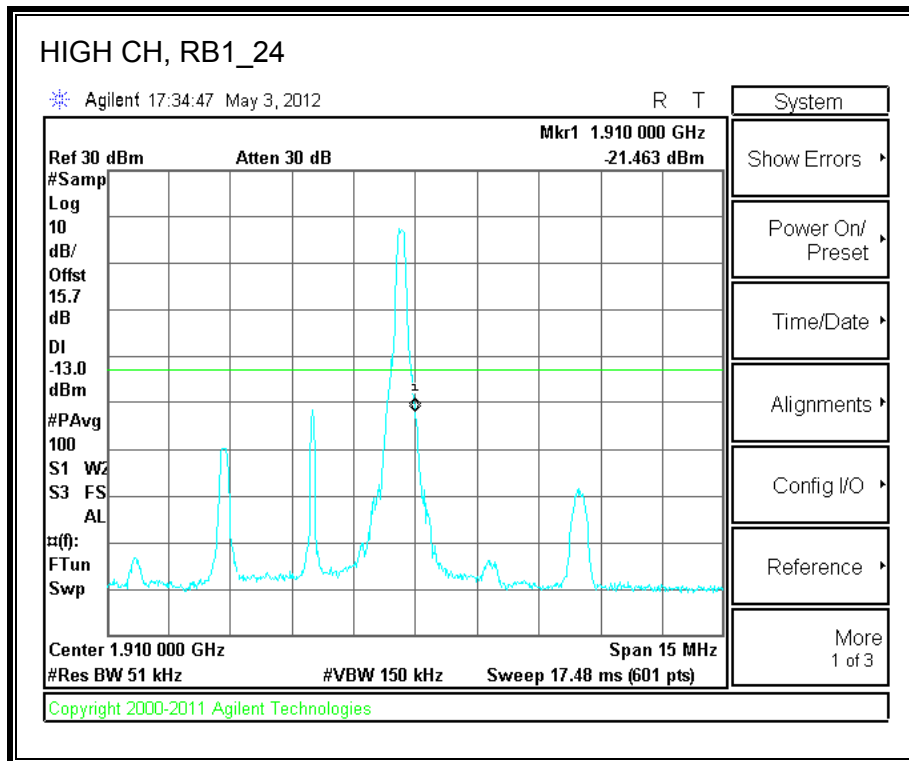
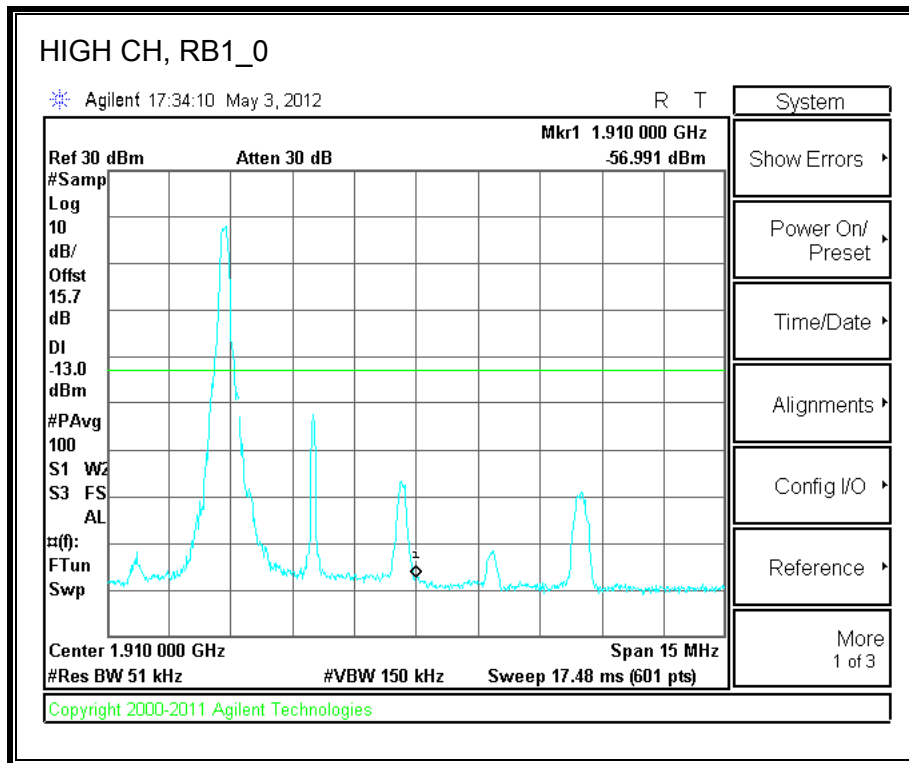


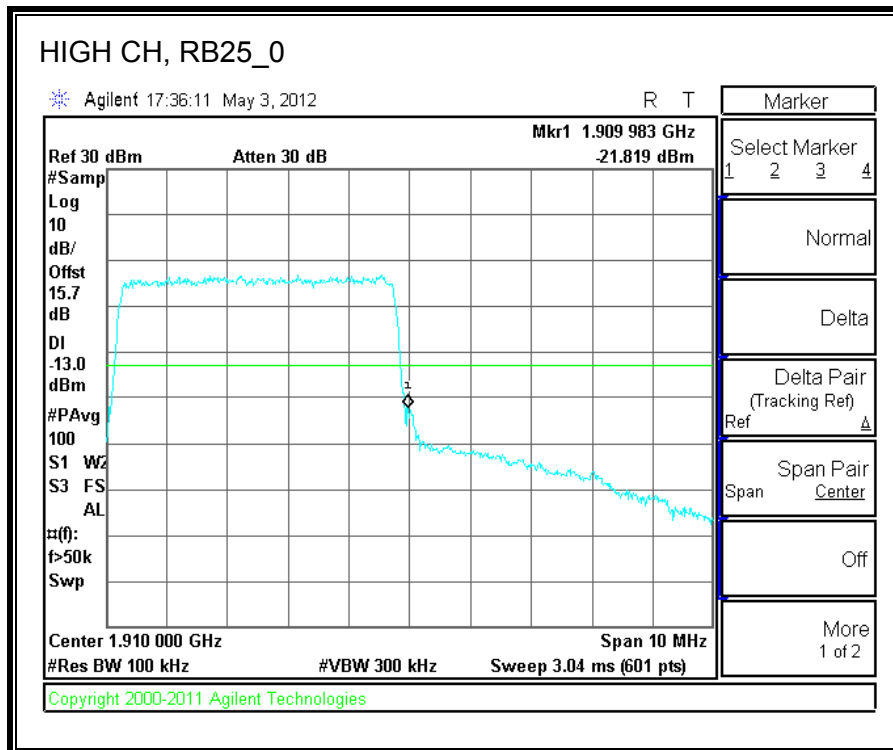
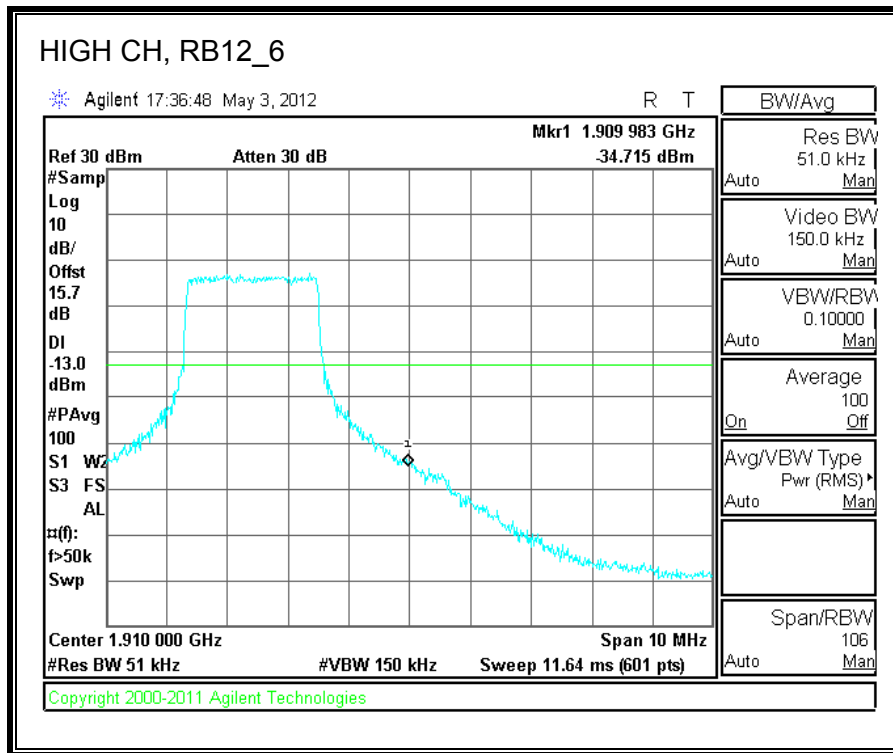


16QAM



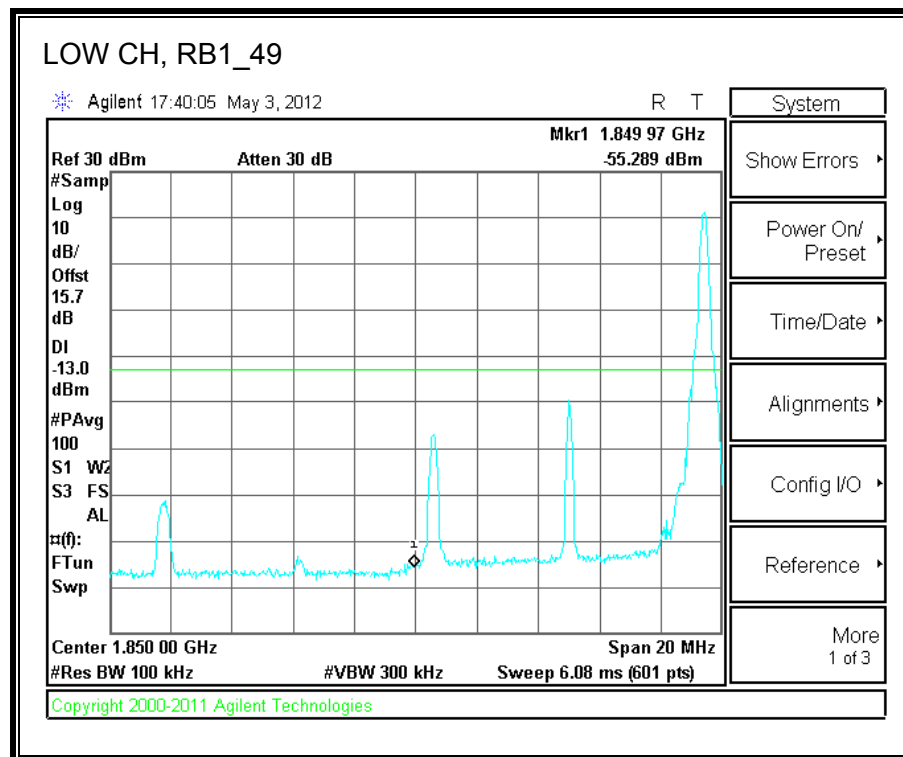
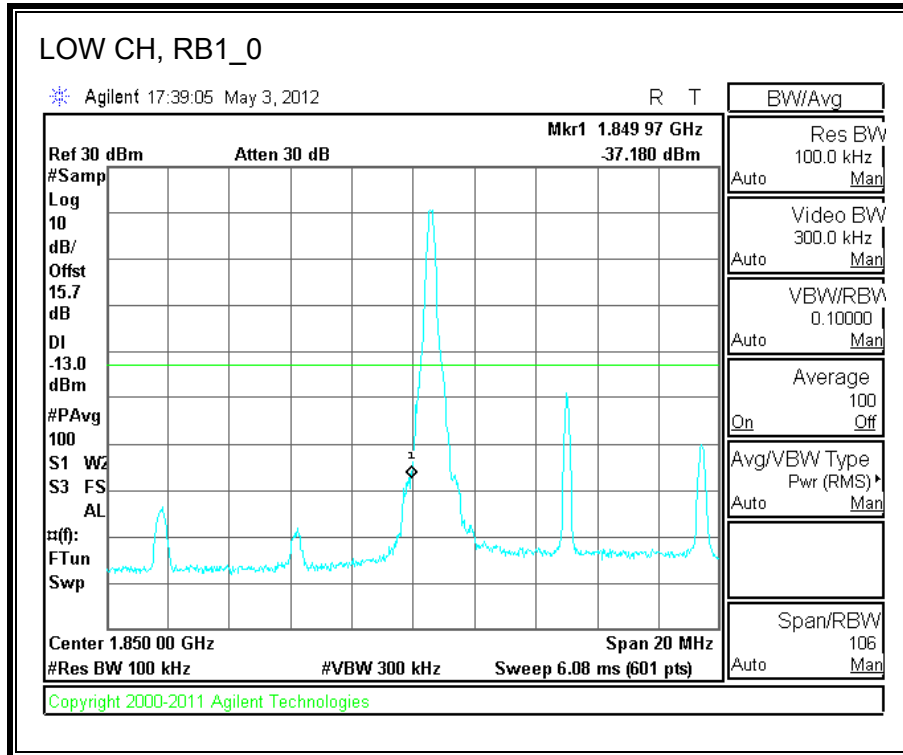


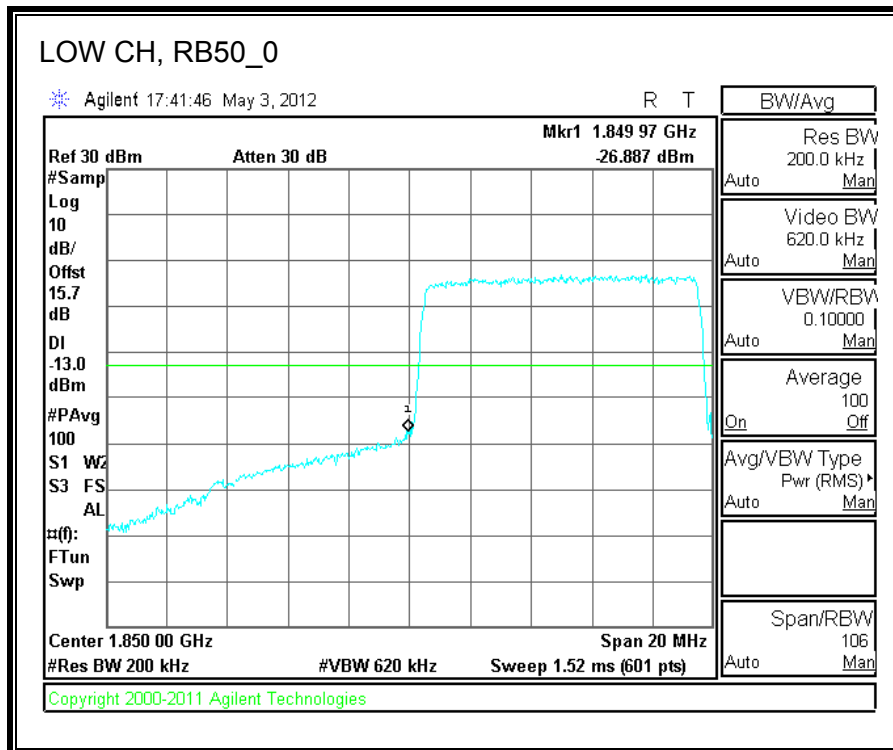
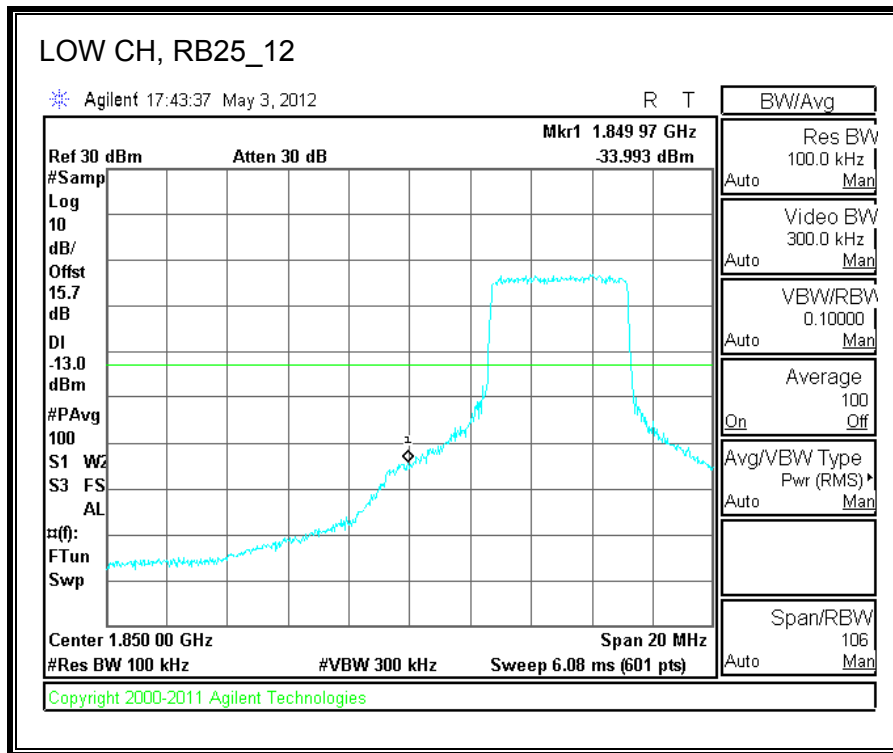


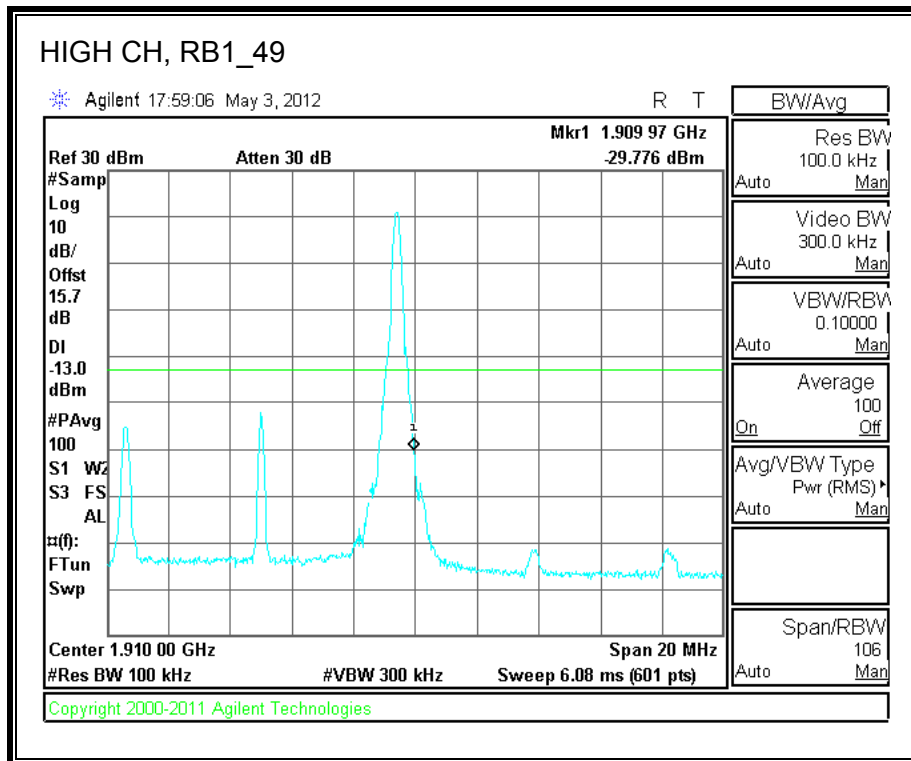
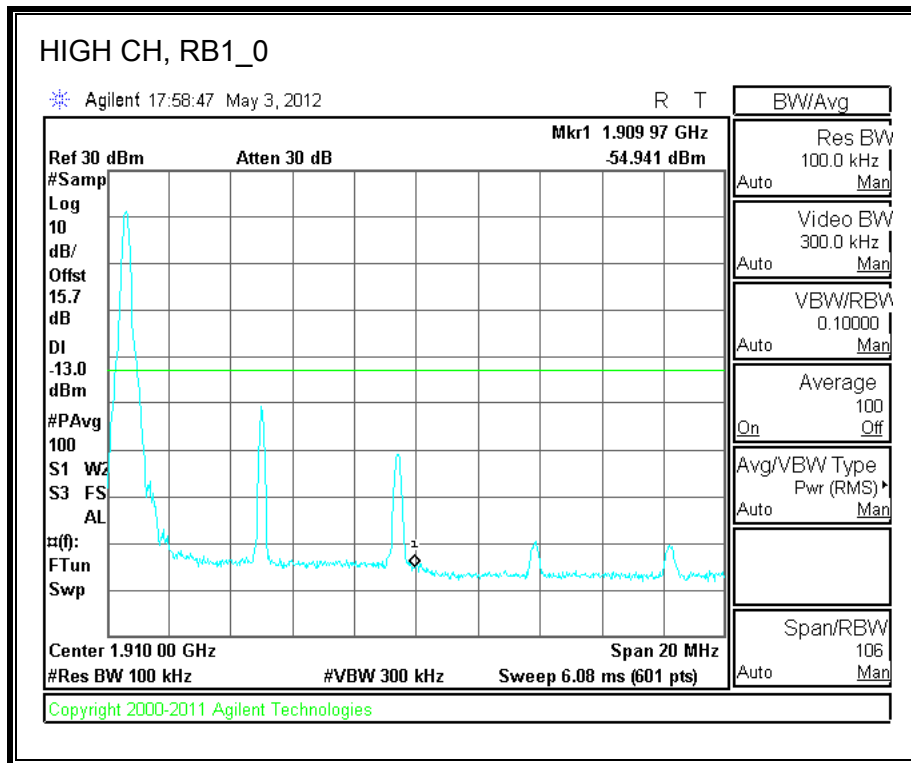


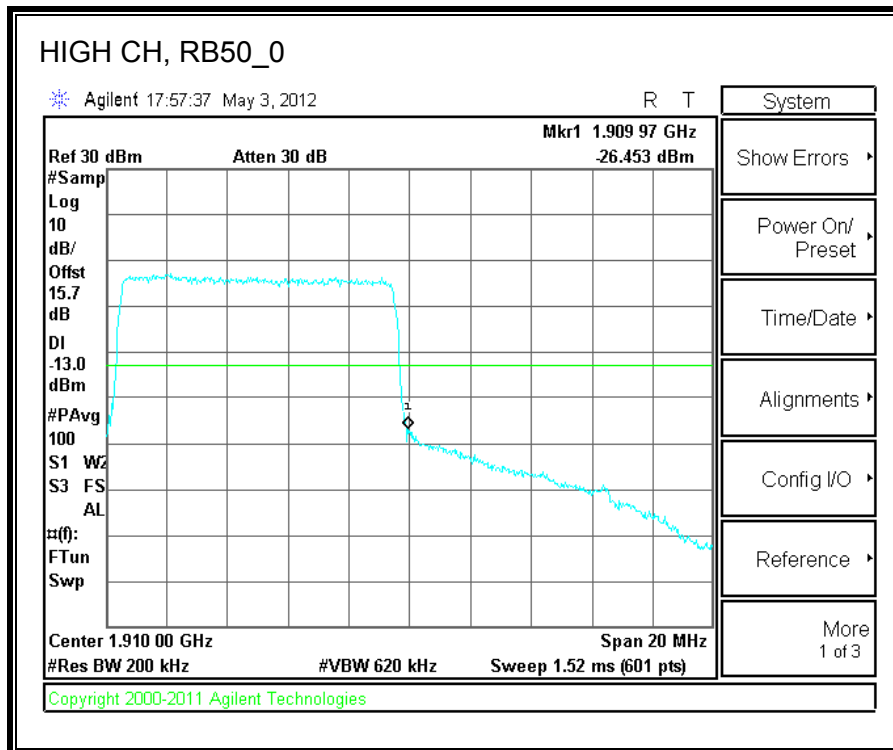
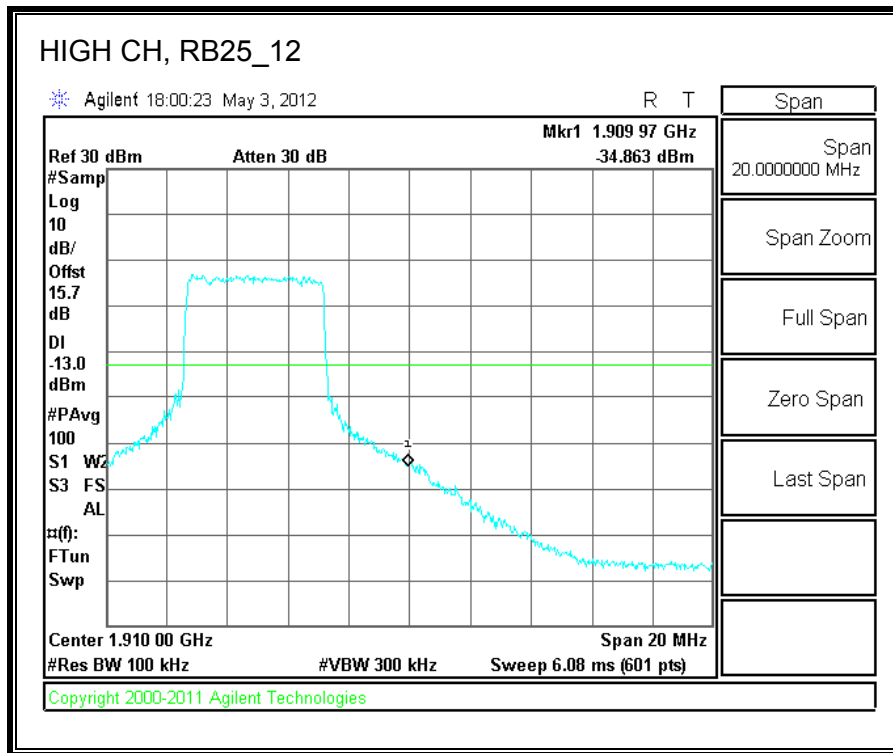
LTE, Band 2 (10.0MHz BAND WIDTH)

QPSK

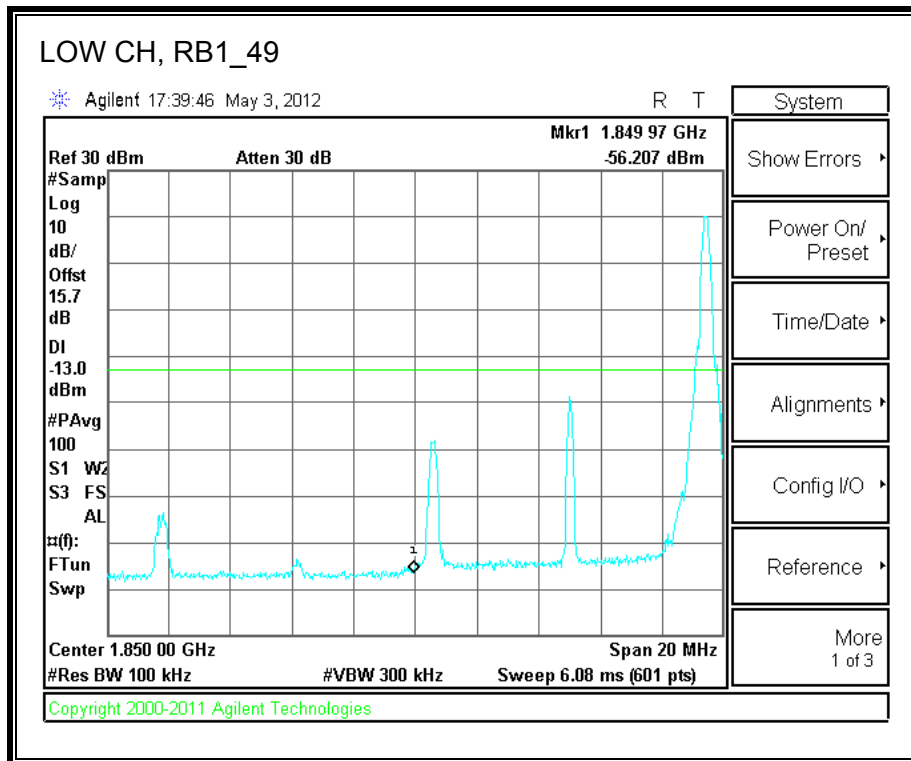
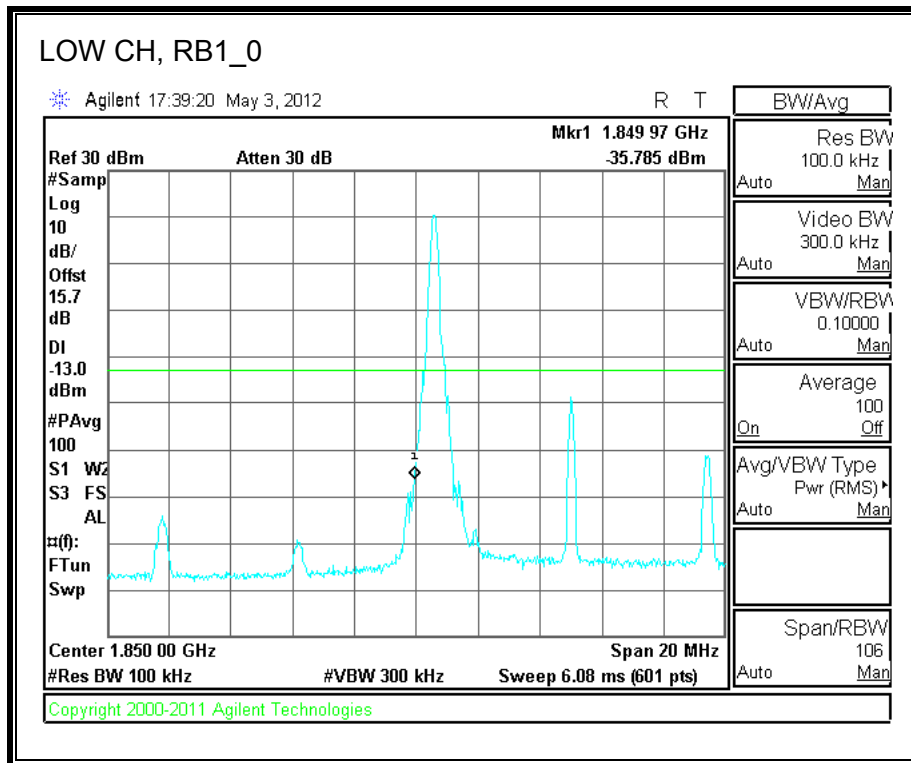


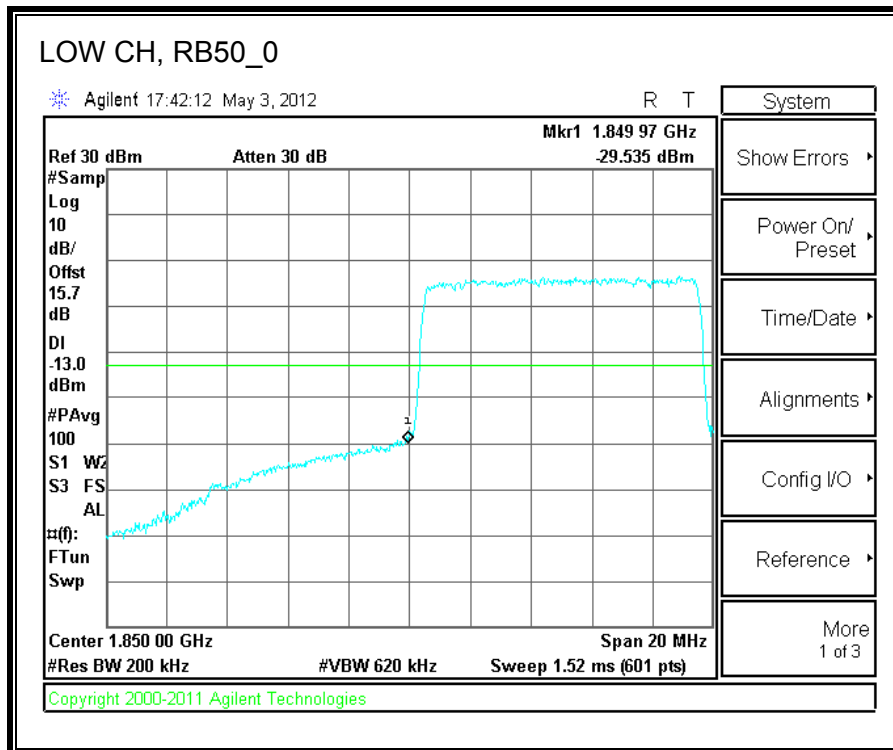
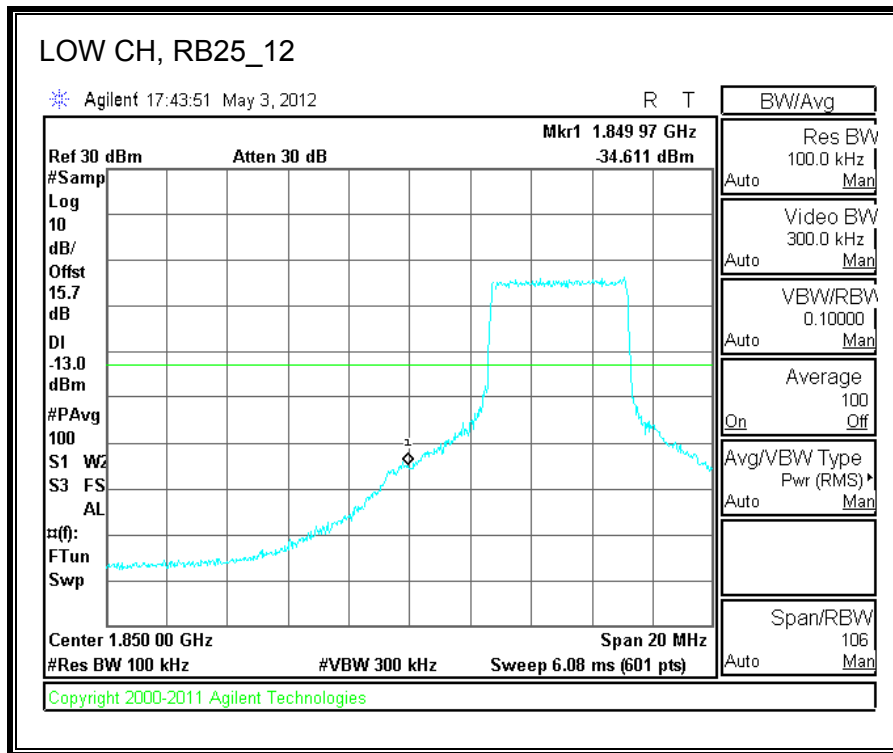


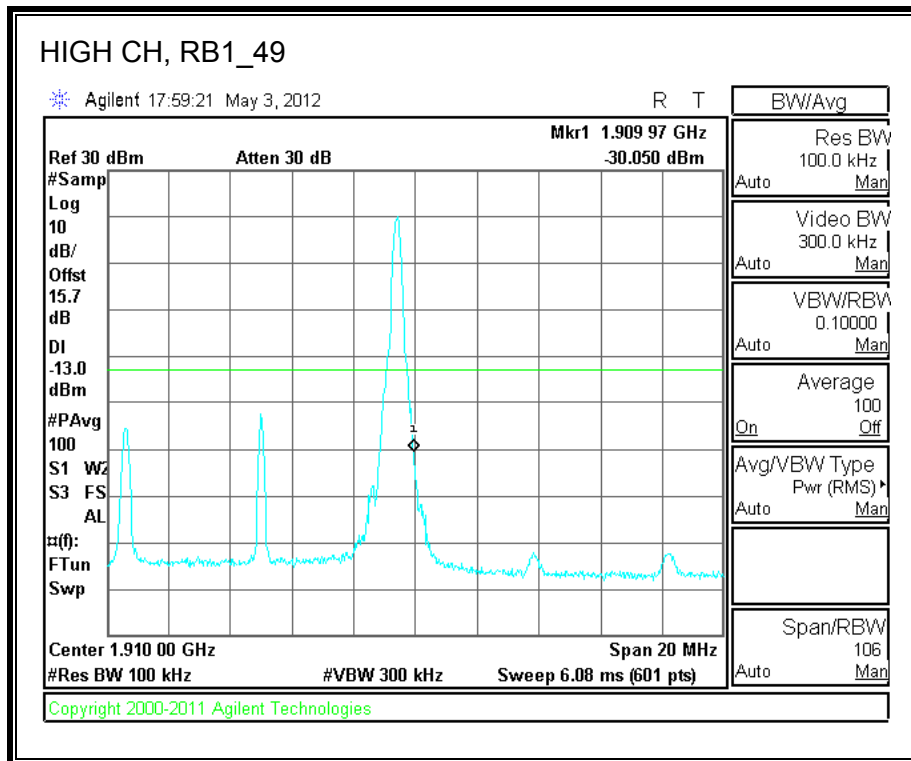
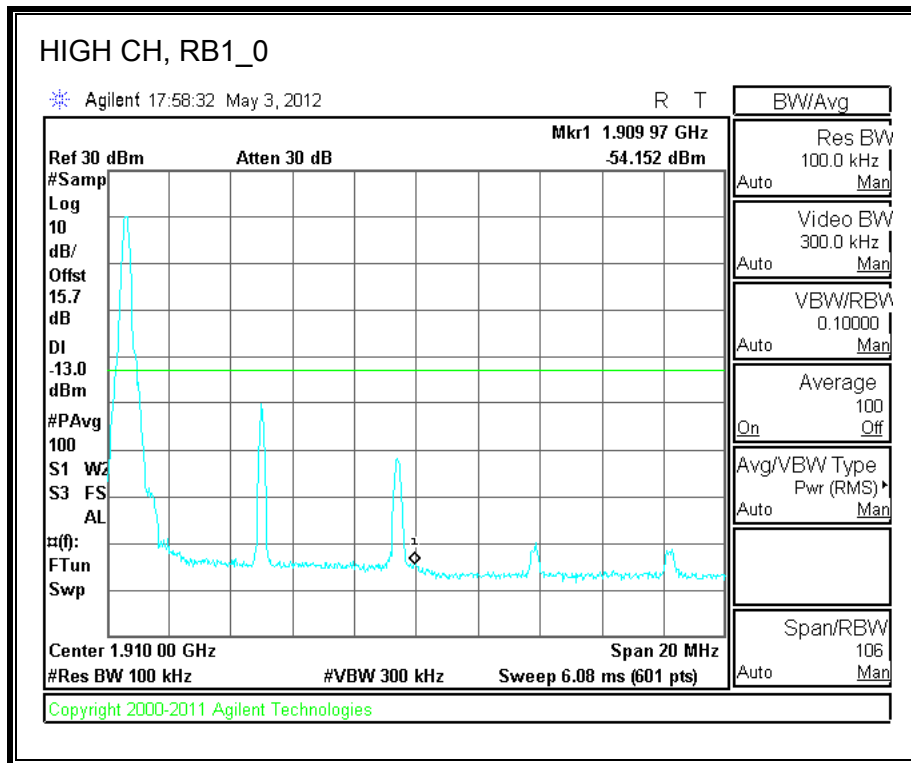


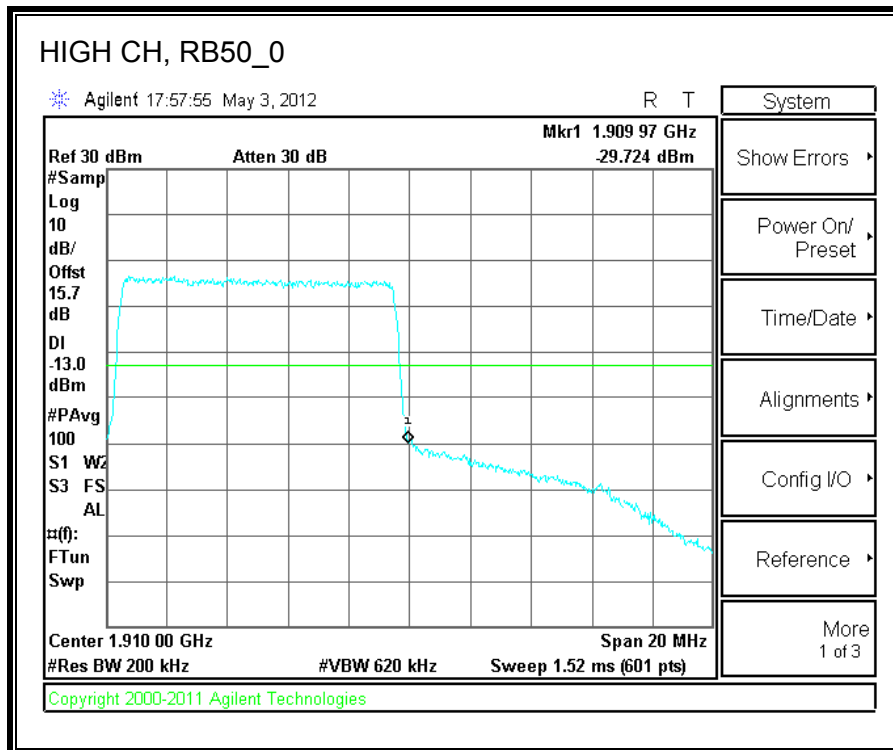
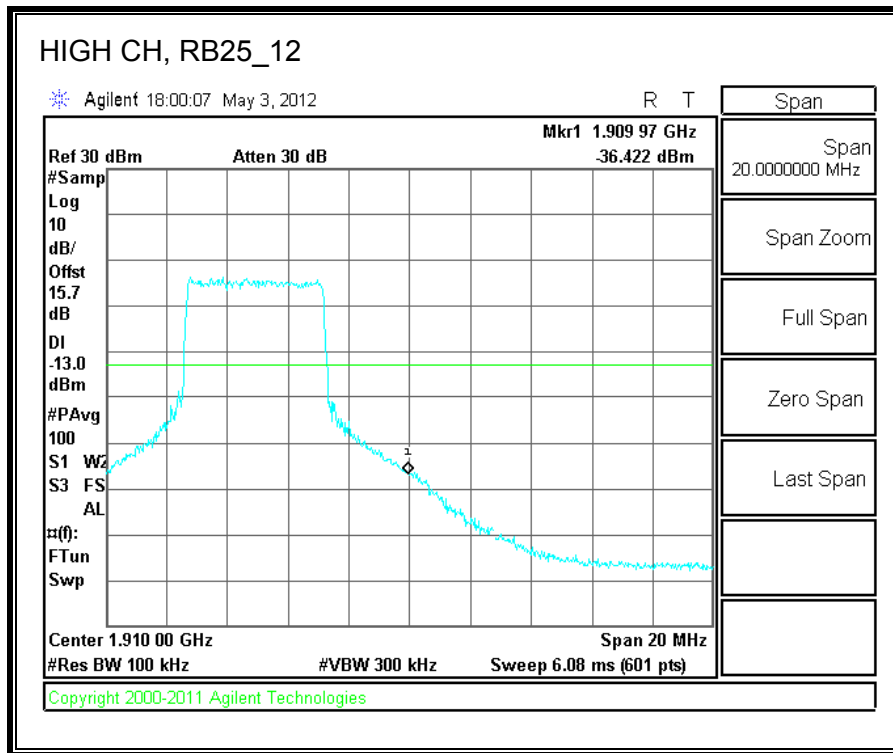


16QAM









8.3. OUT OF BAND EMISSIONS

RULE PART(S)

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

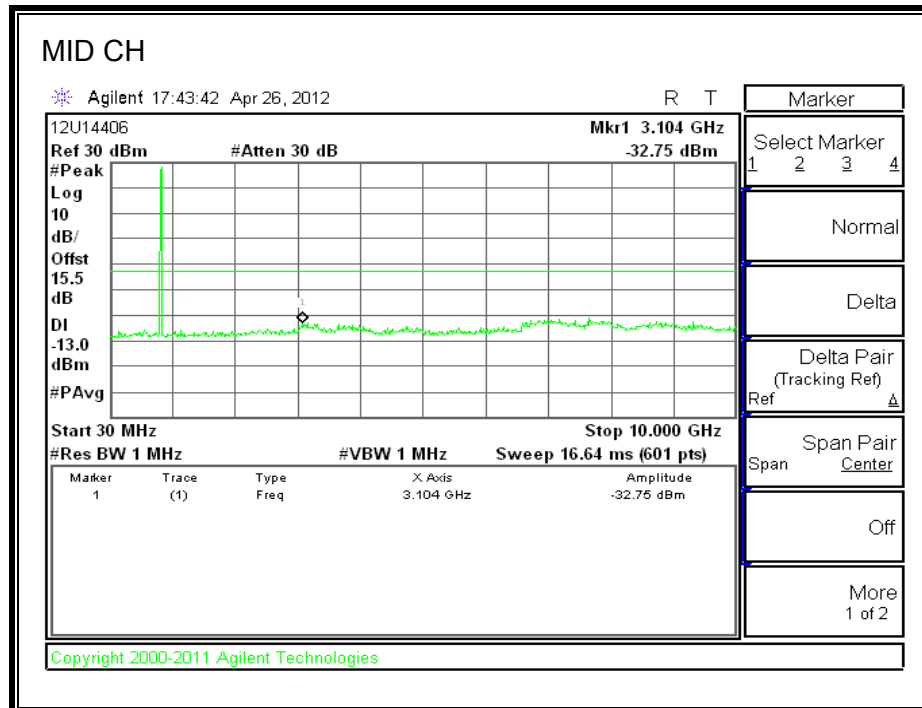
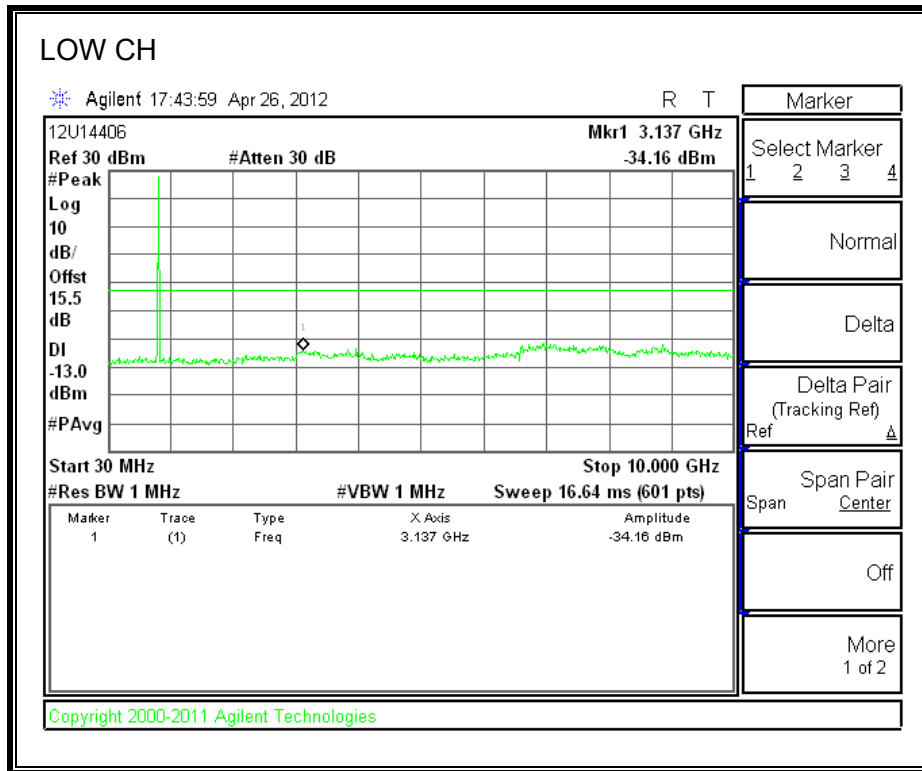
- Set display line at -13 dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.

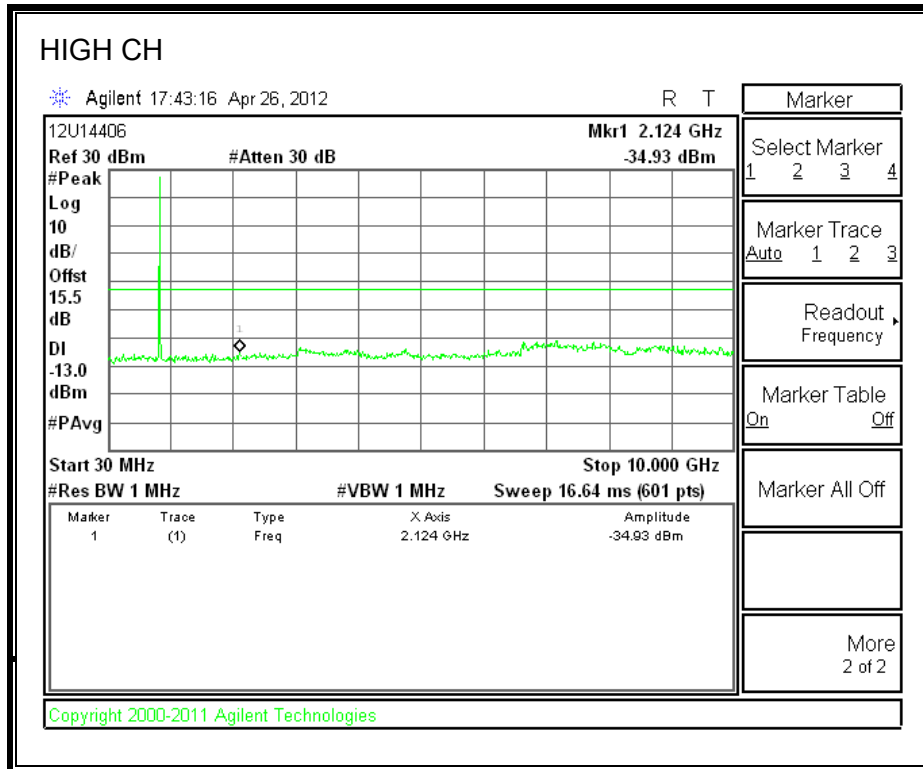
MODES TESTED

- CDMA 2000 1xRTT, RC1 SO2.
- CDMA 2000 EVDO REV. A
- LTE Band 2 and 4

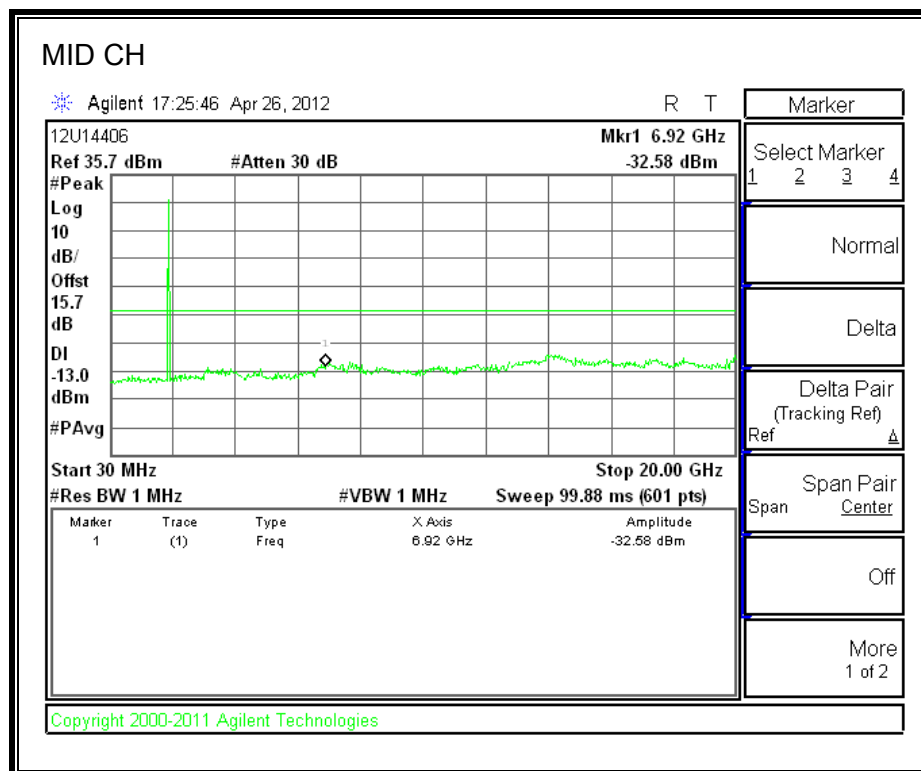
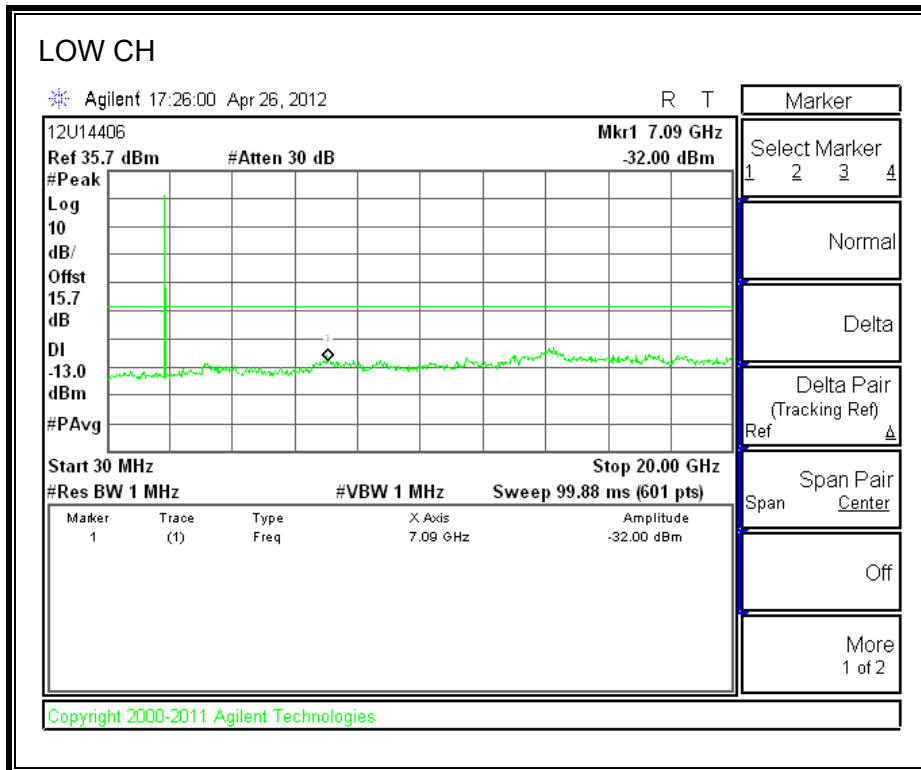
RESULTS

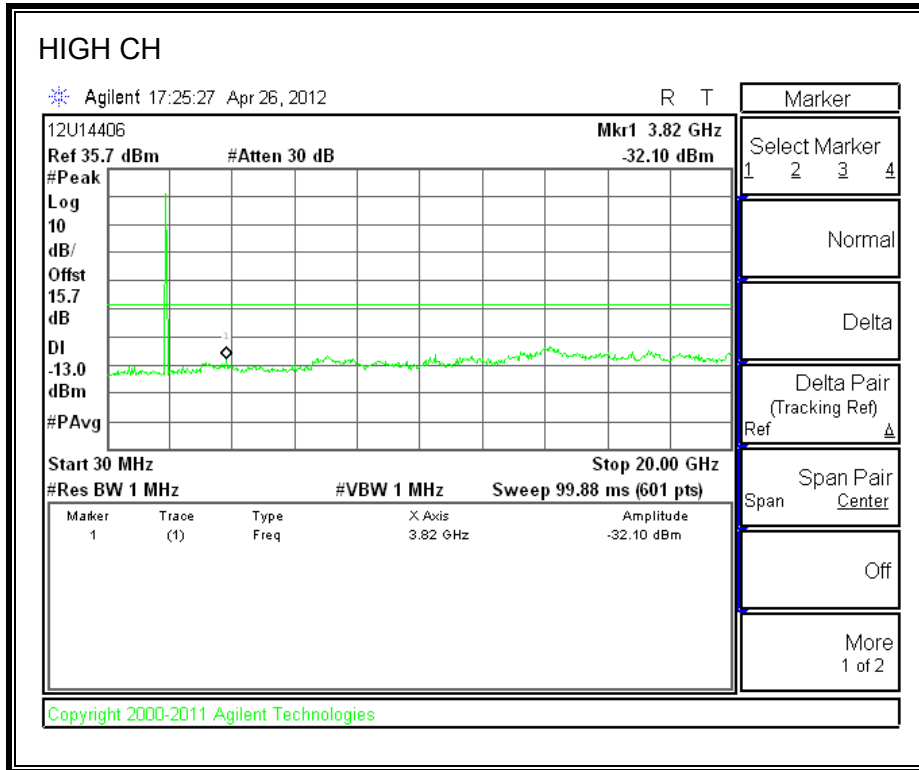
1xRTT 850 BAND



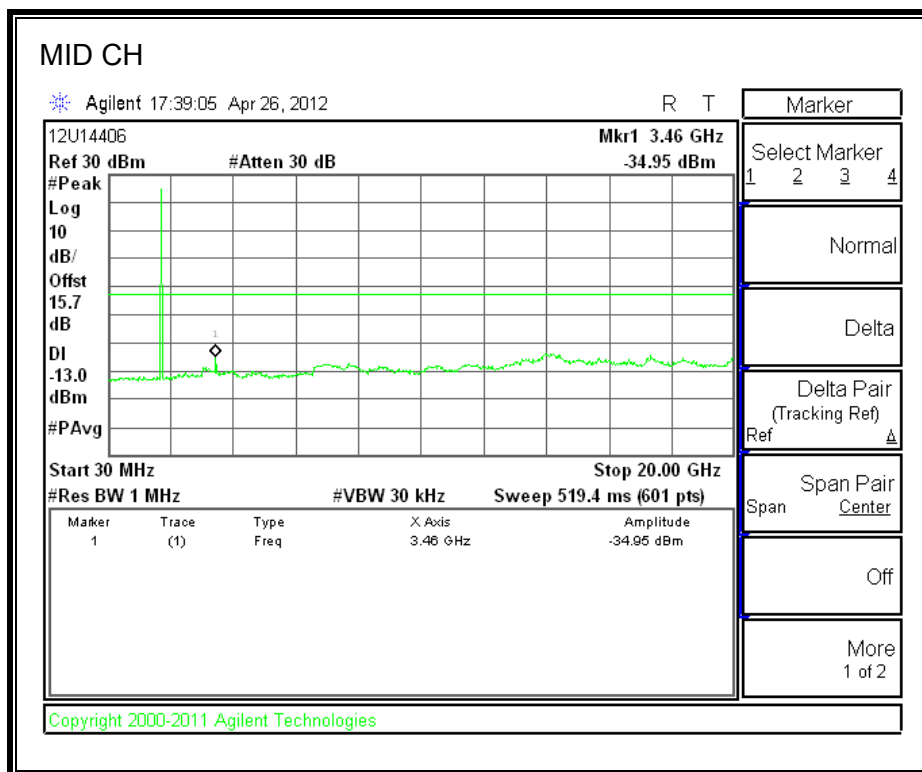
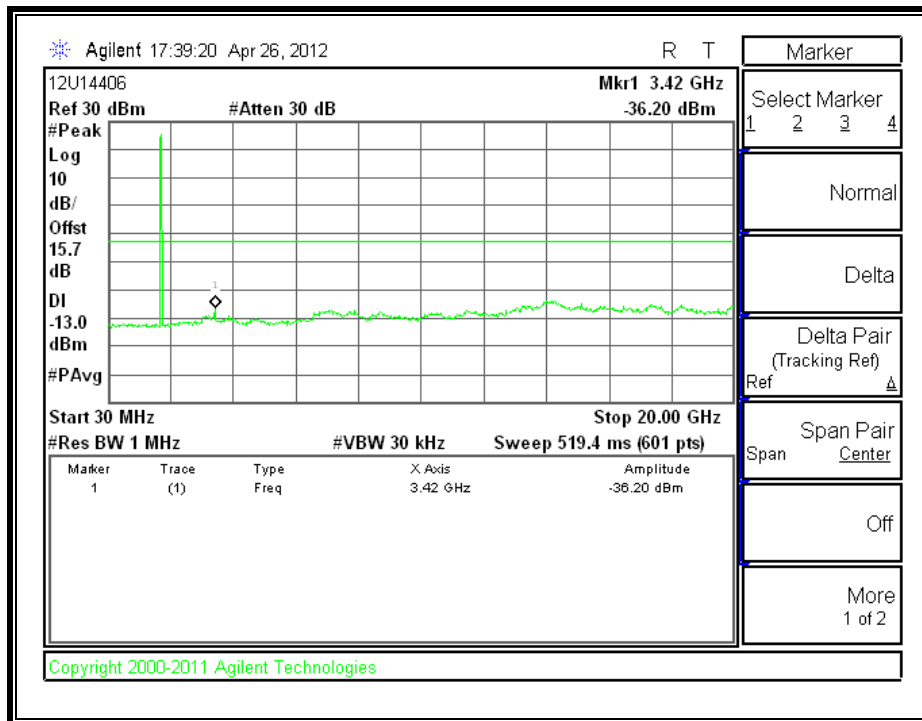


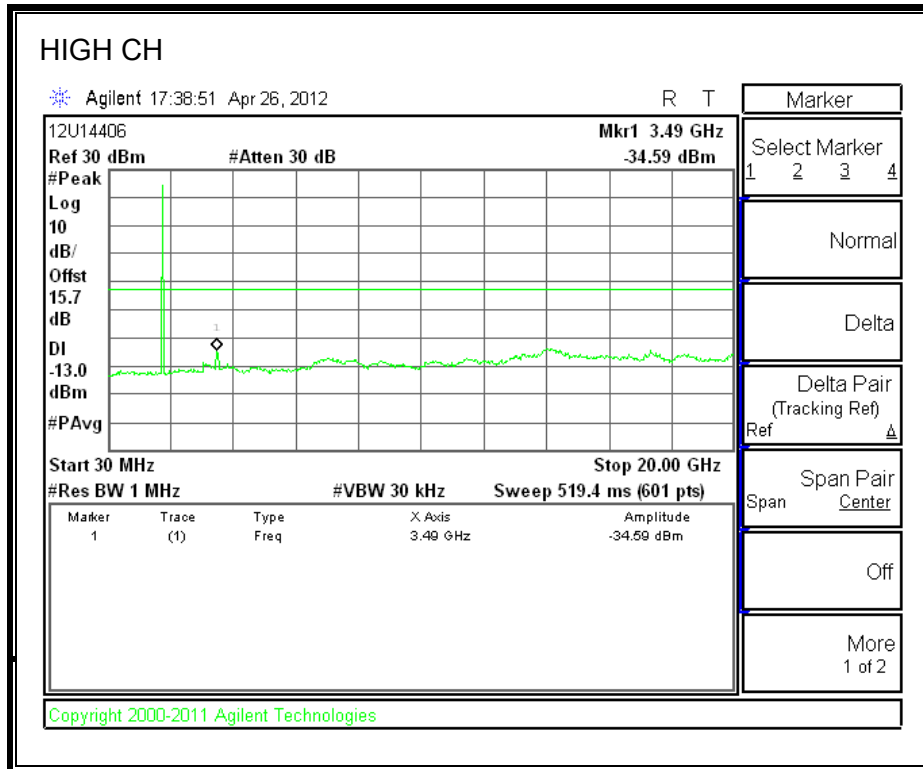
1xRTT 1900 BAND



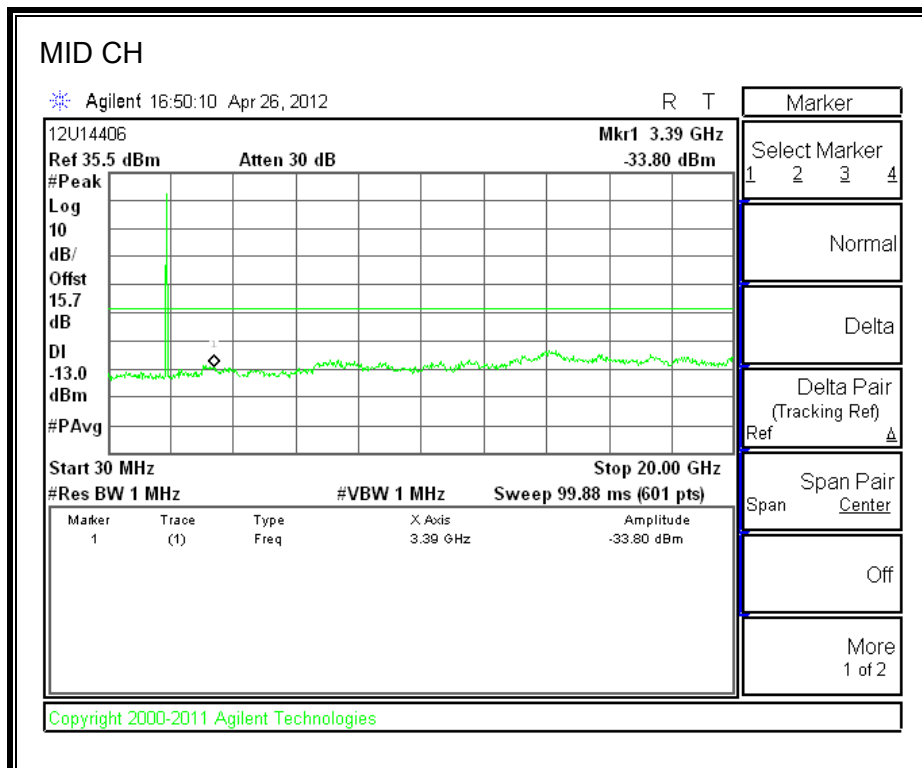
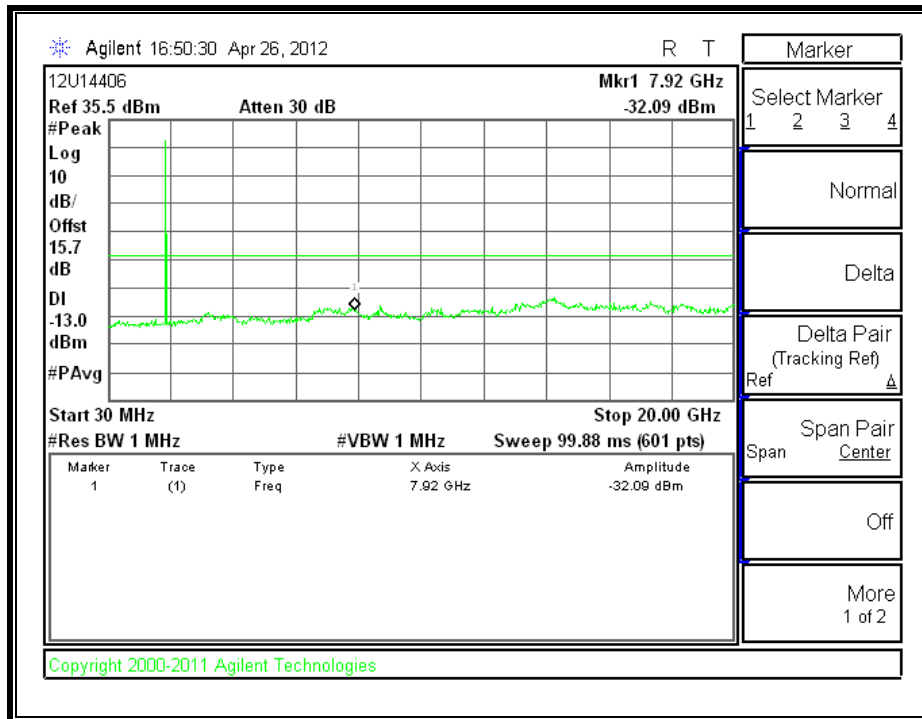


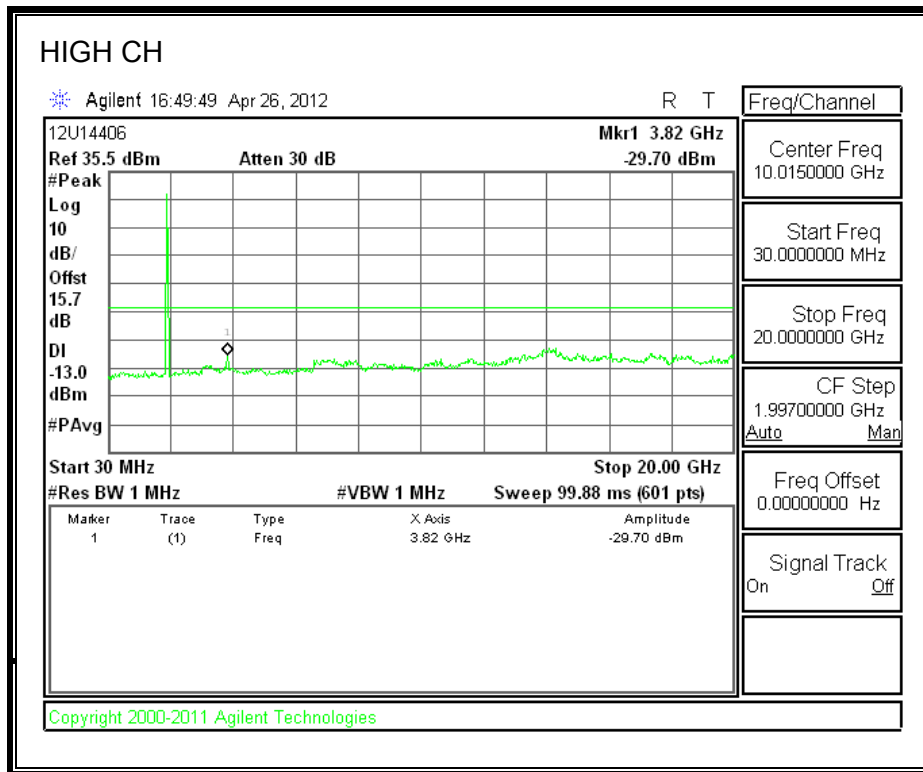
1xRTT 1700 BAND



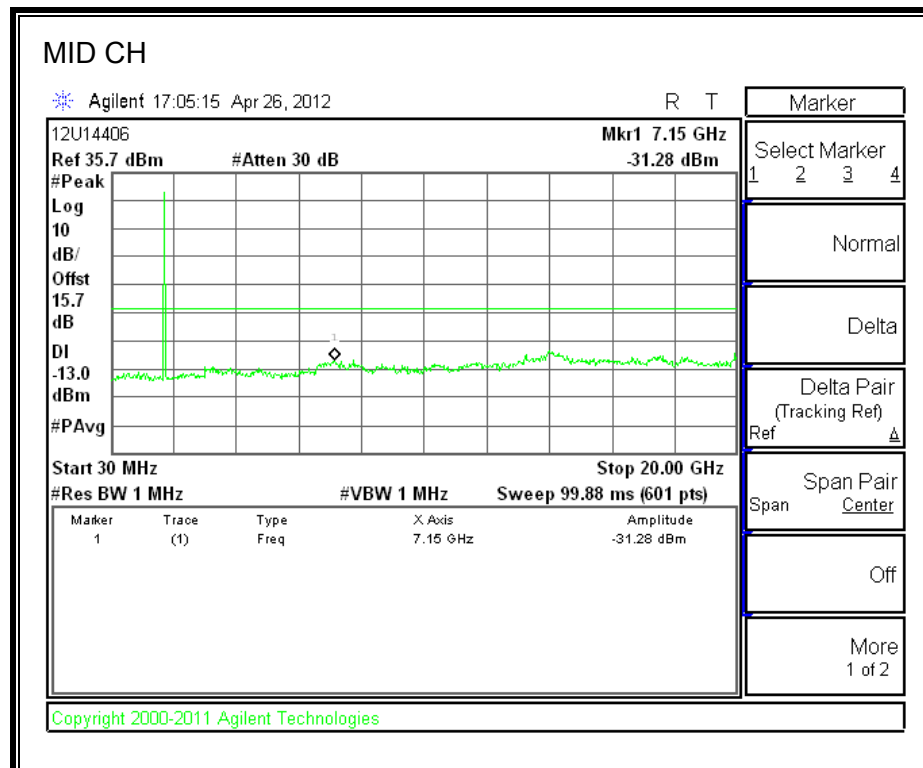
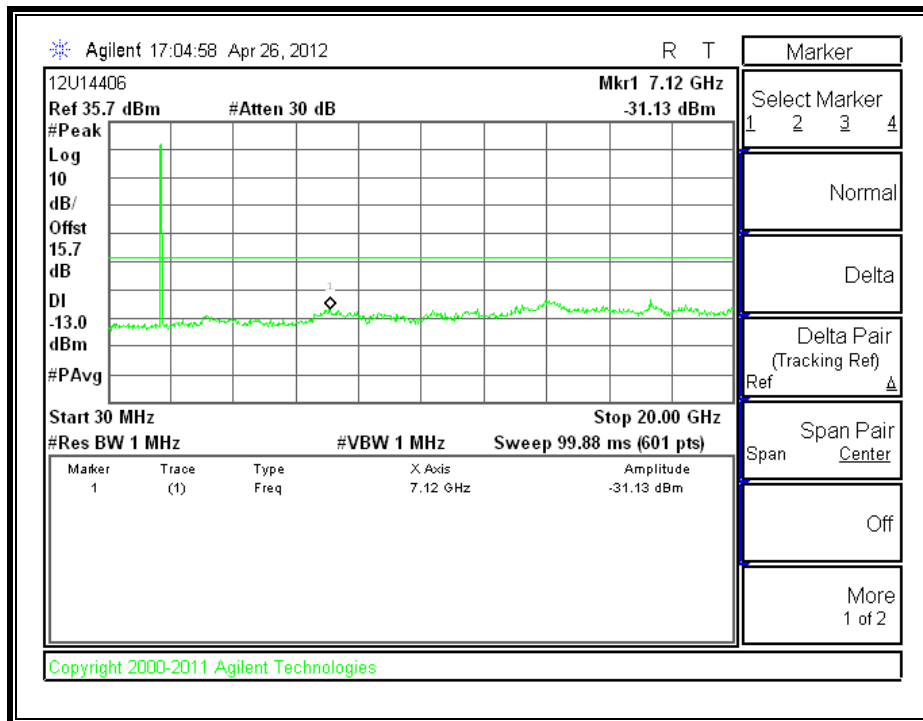


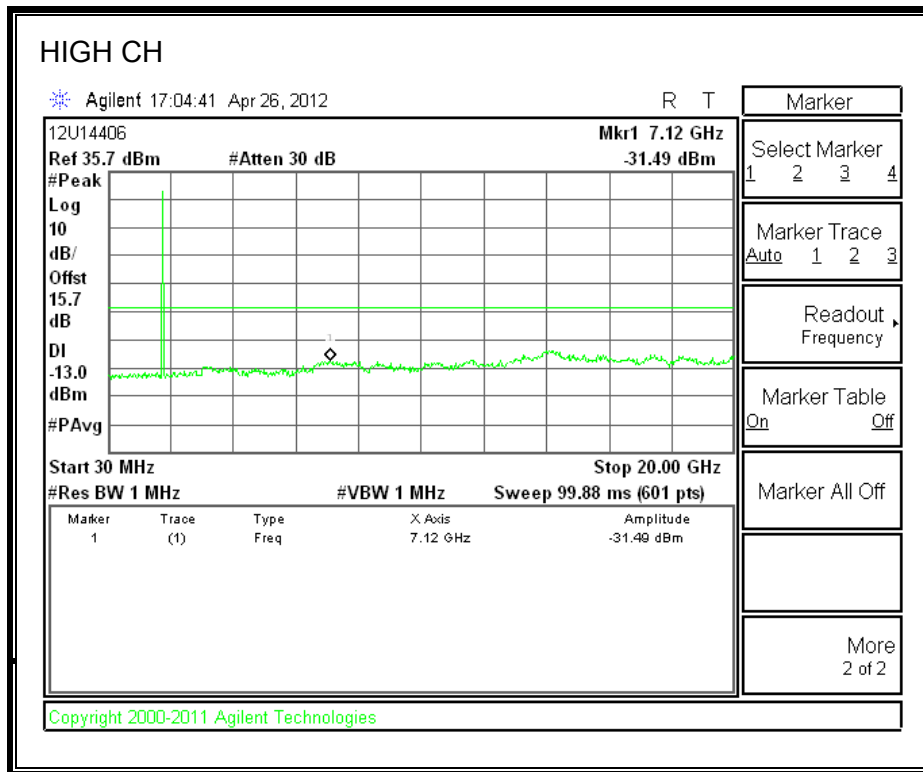
EVDO REV A.1900 BAND





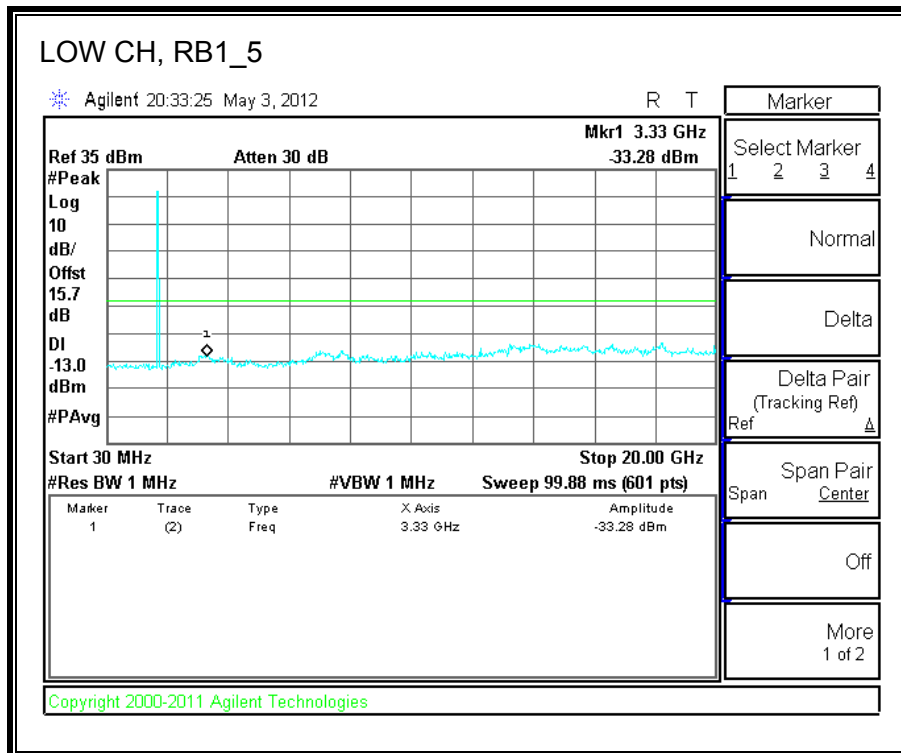
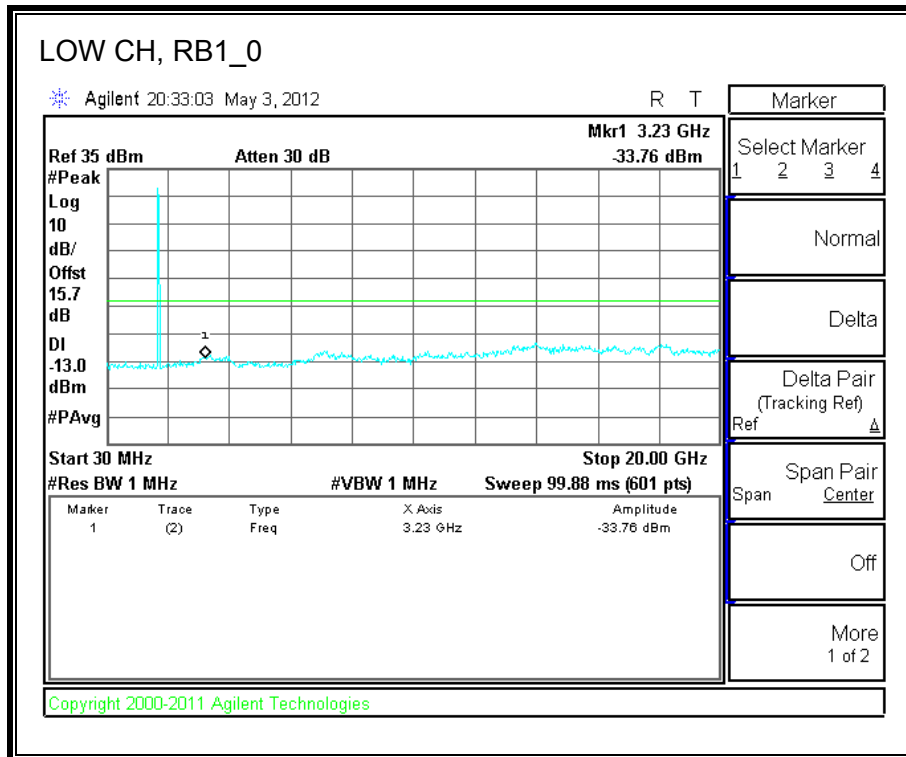
EVDO REV A.1700 BAND

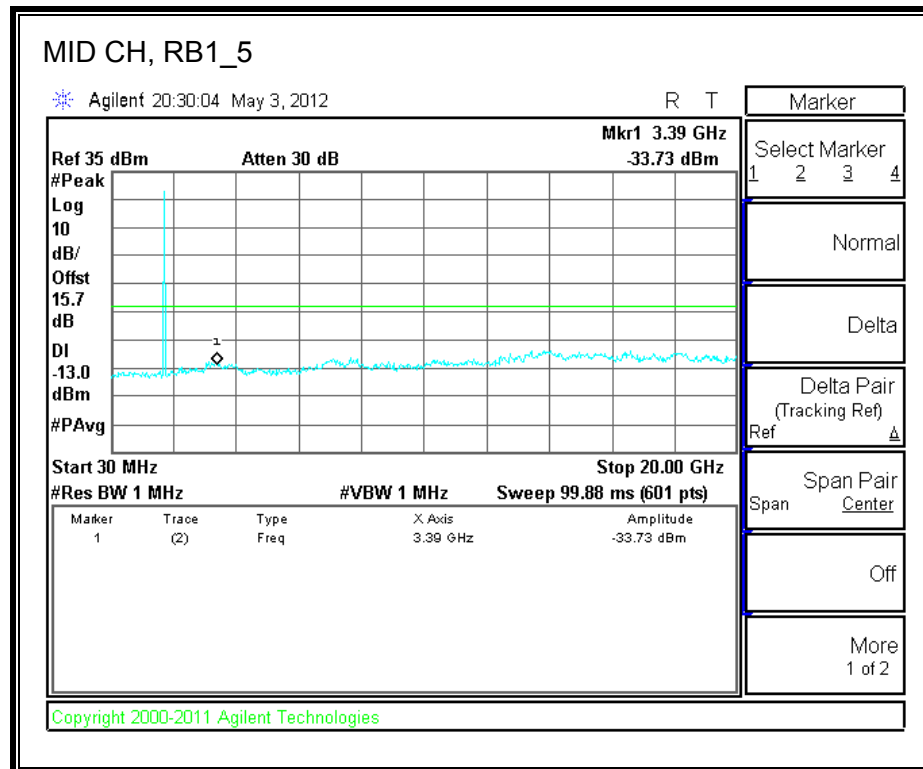
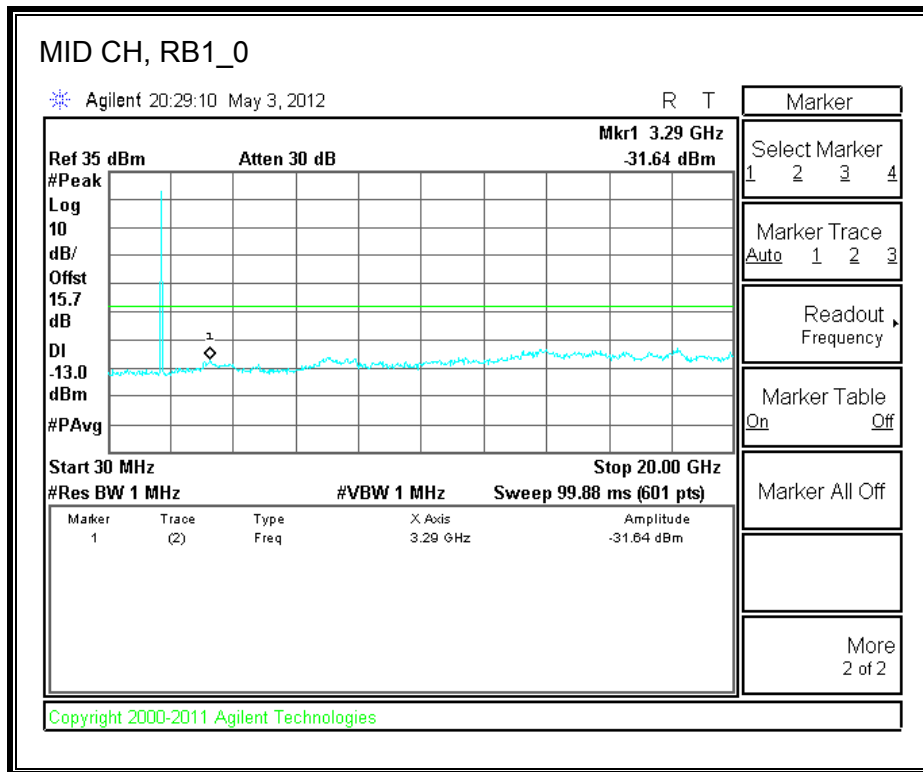


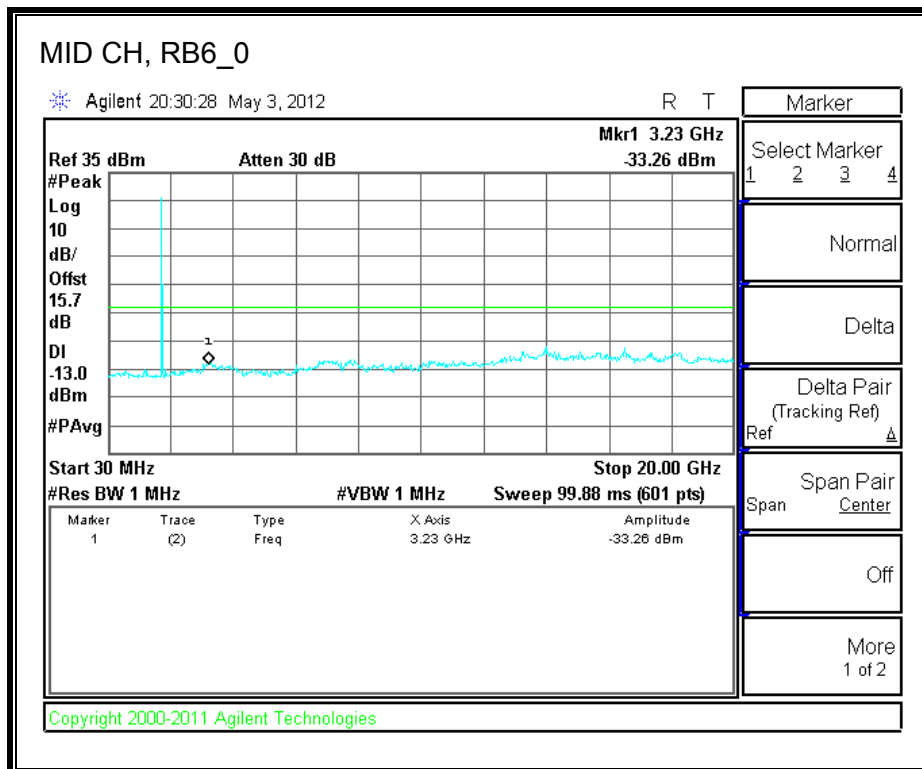
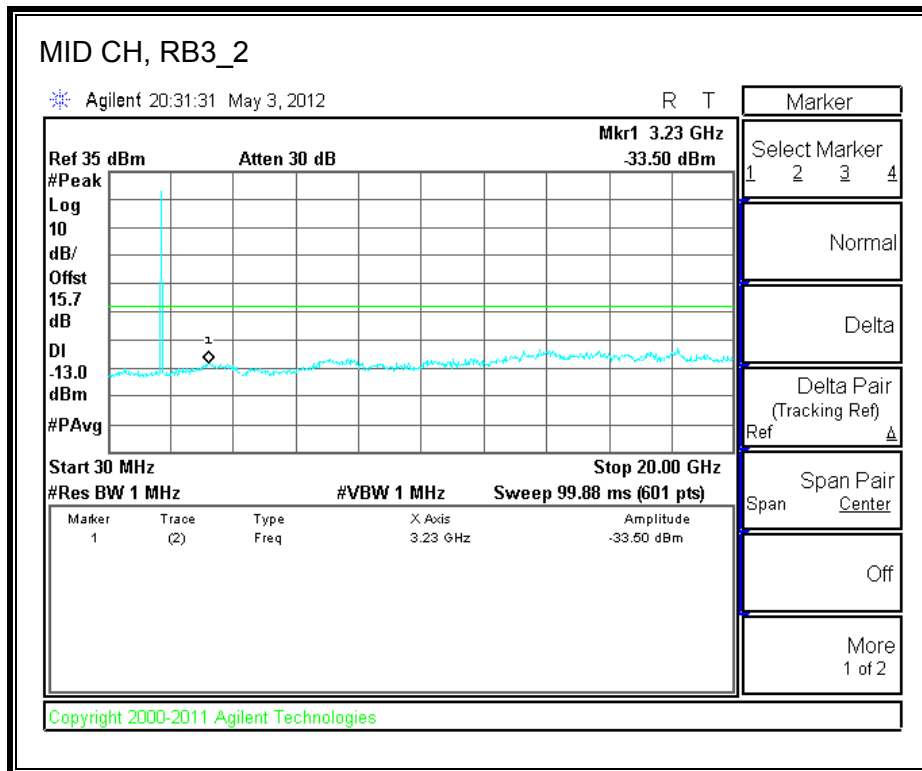


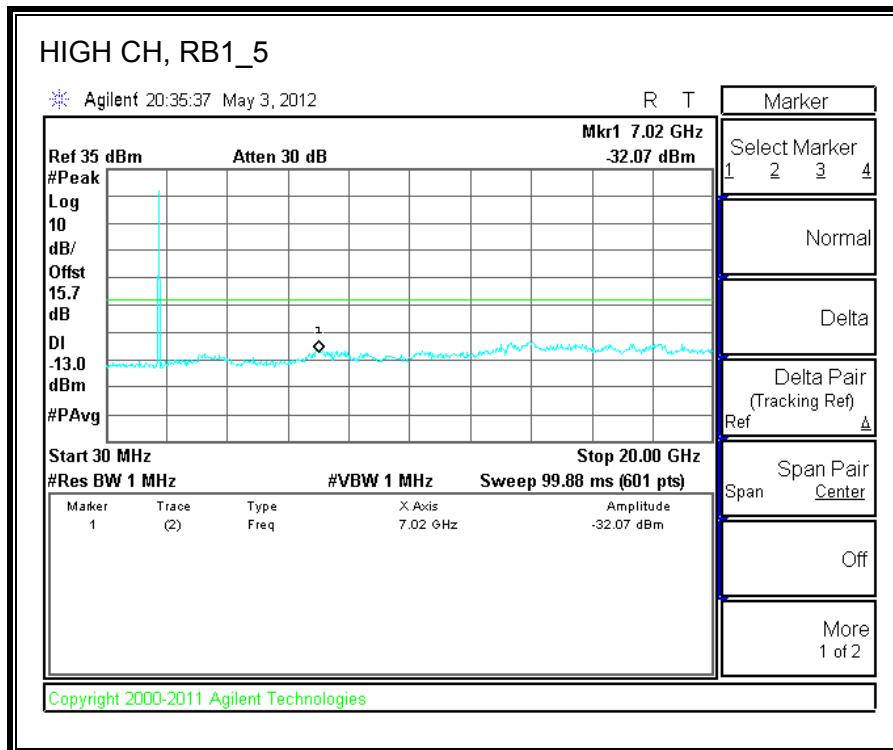
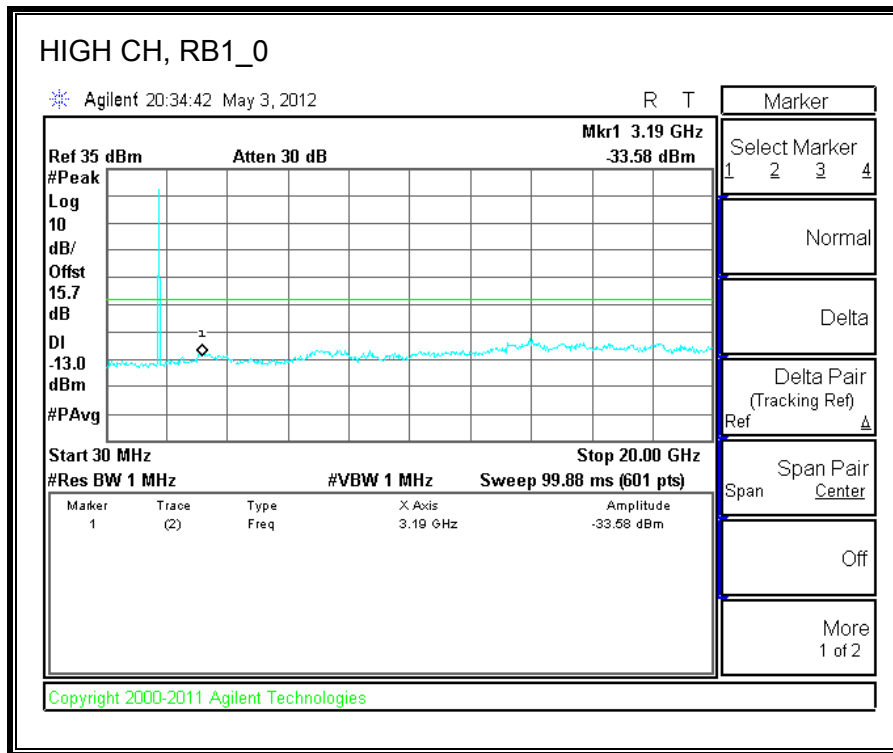
LTE, Band 4 (1.4MHz BAND WIDTH)

QPSK

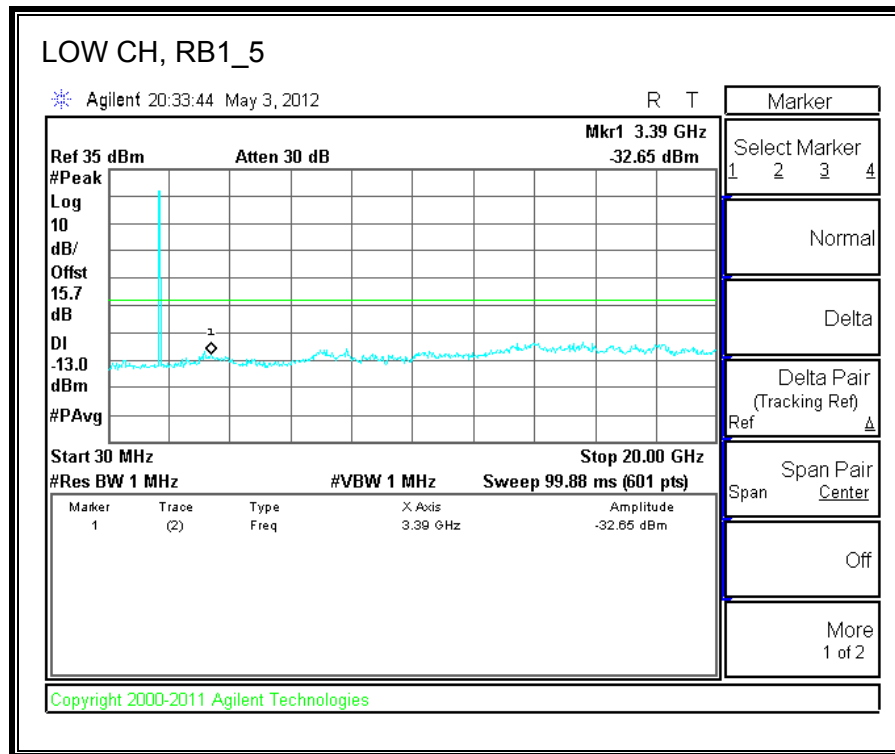
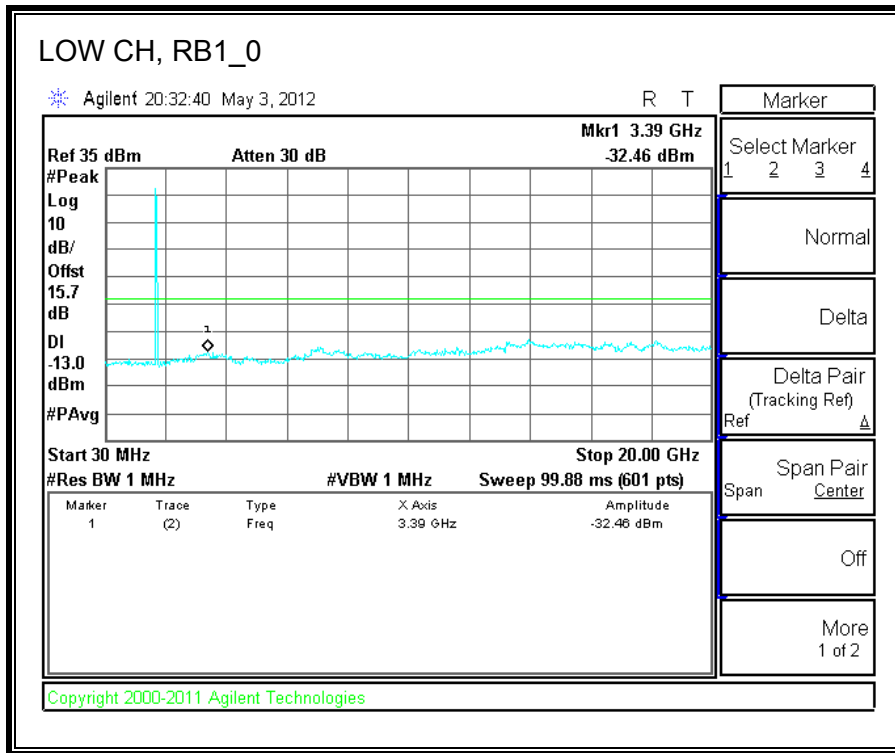


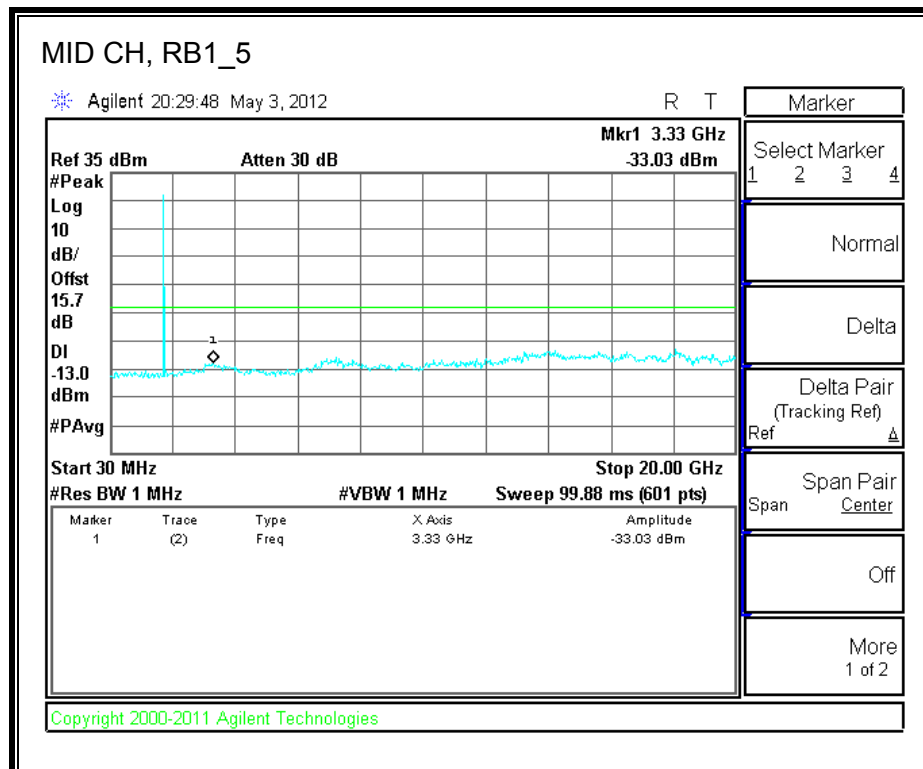
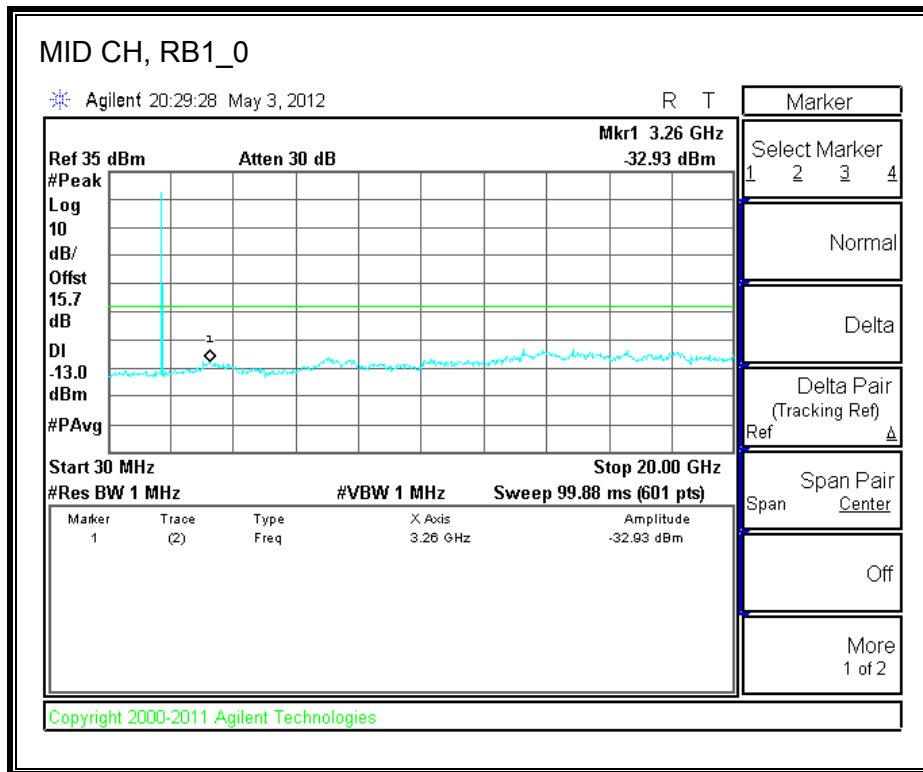


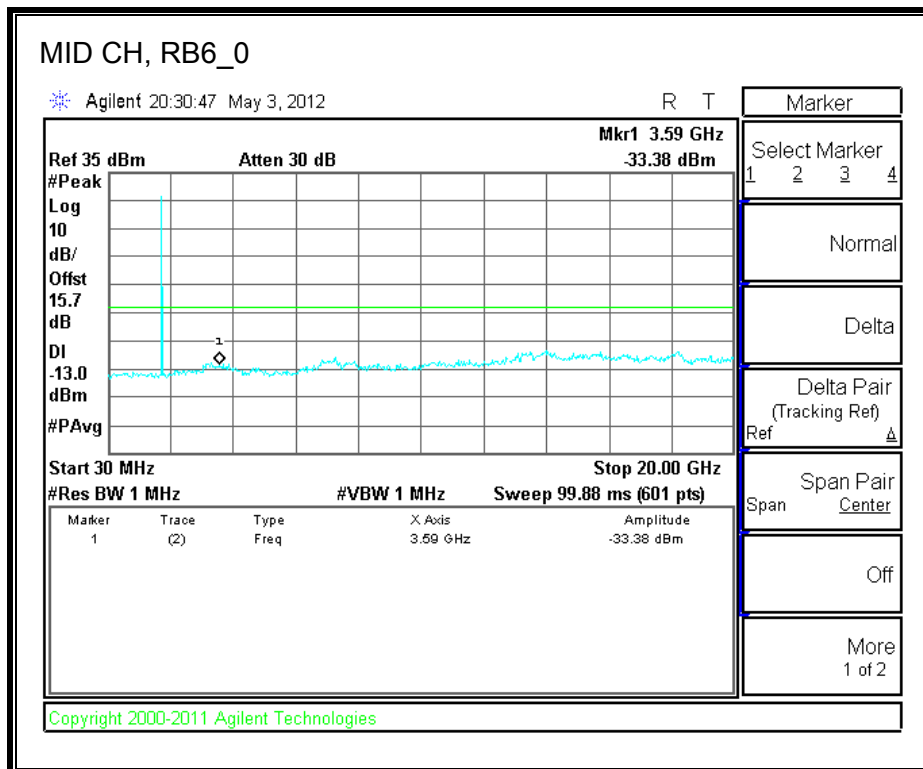
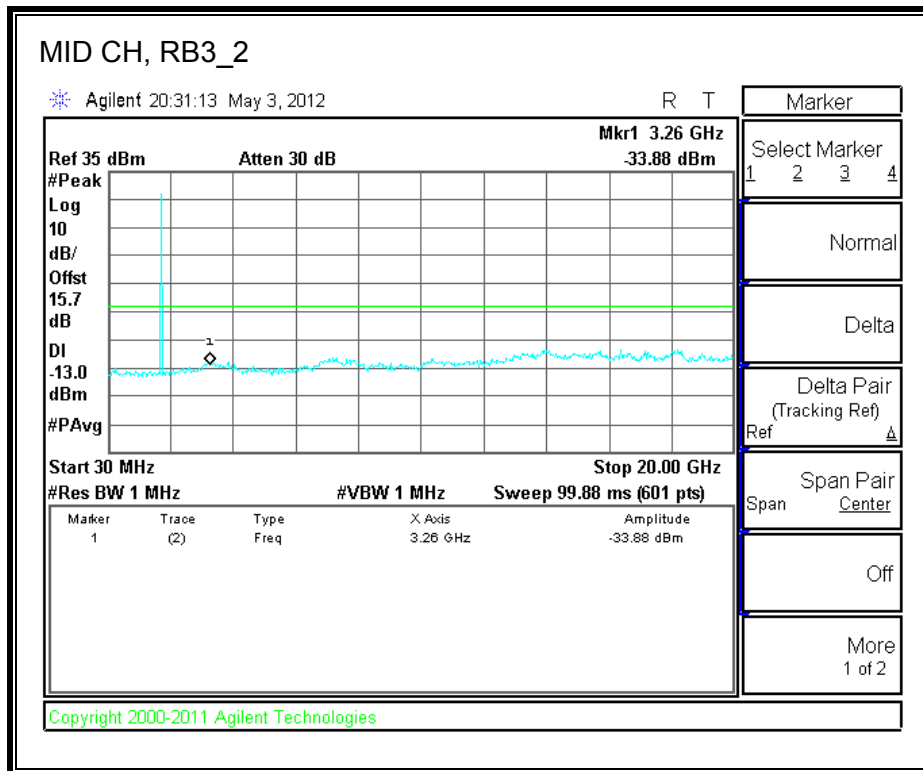


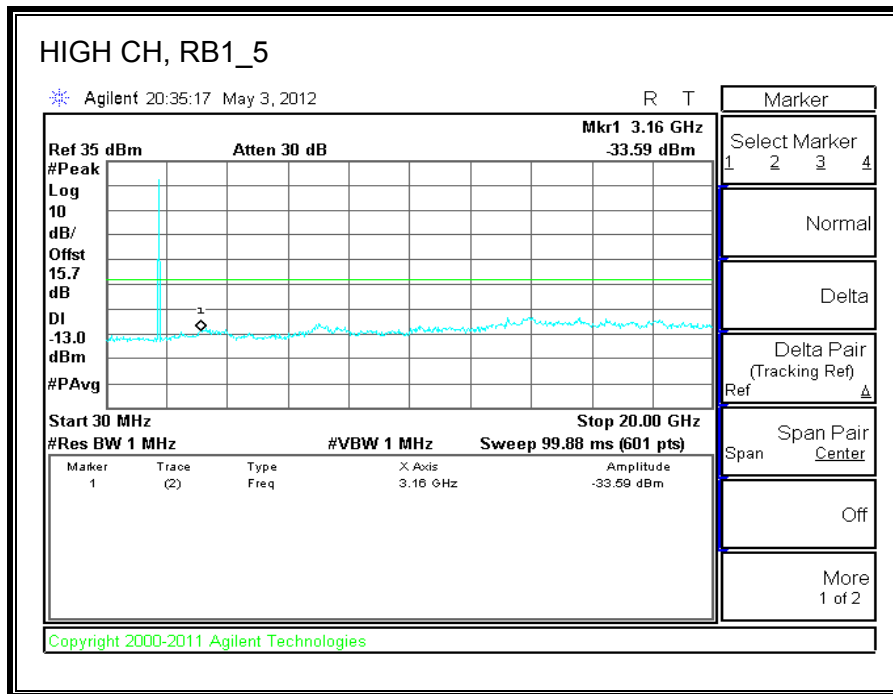
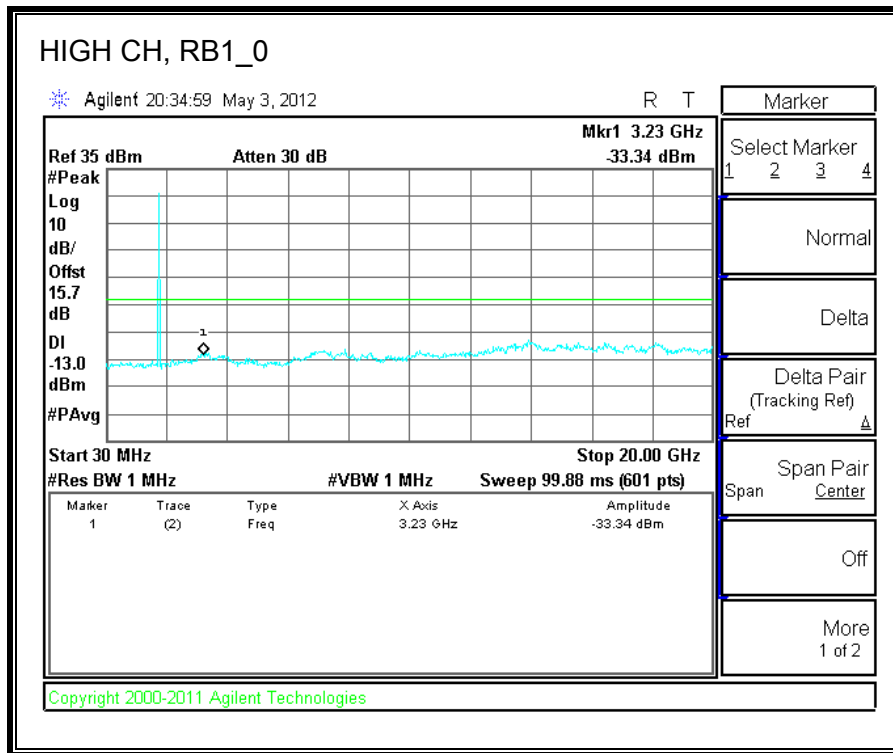


16QAM



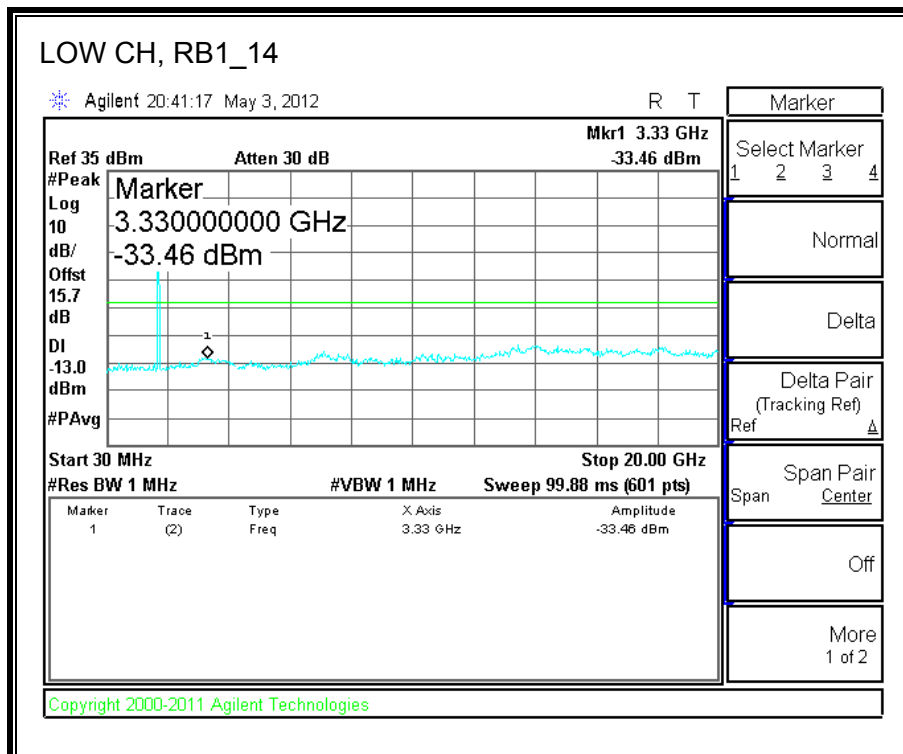
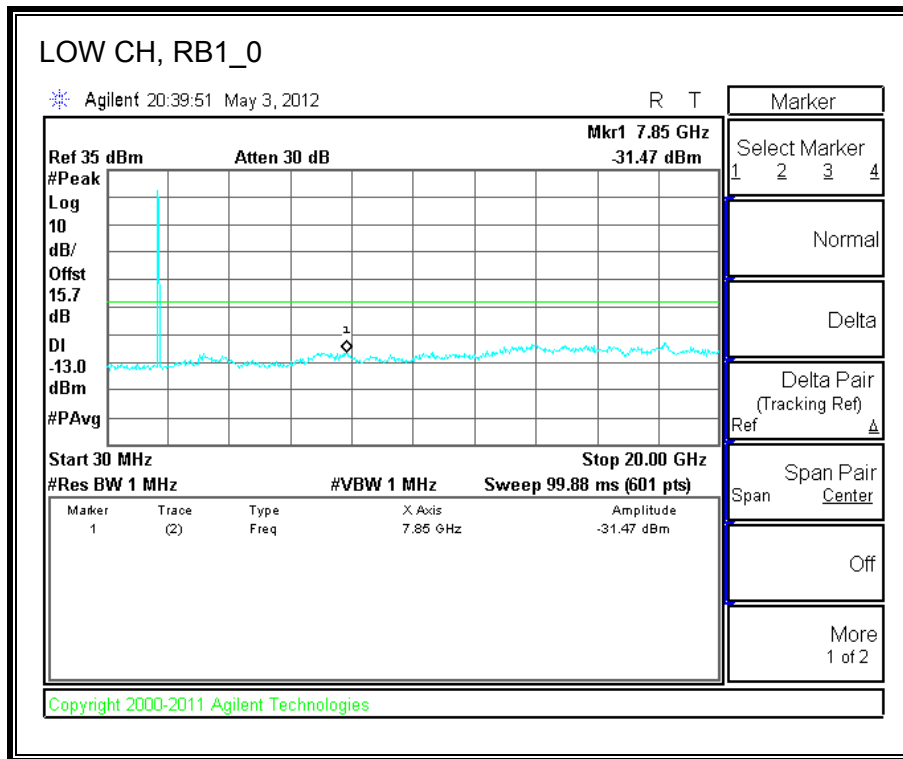


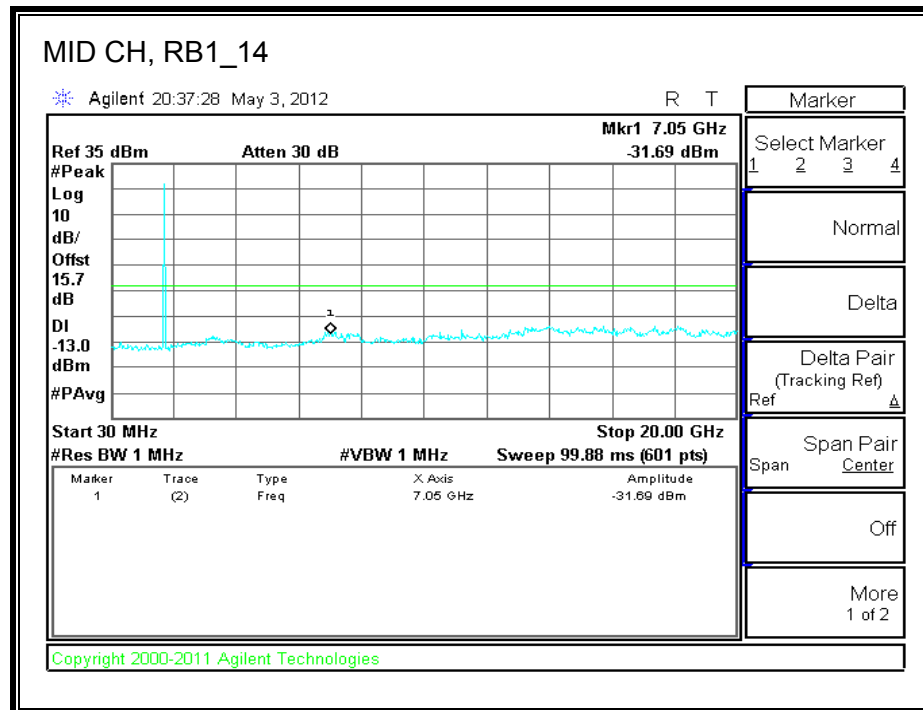
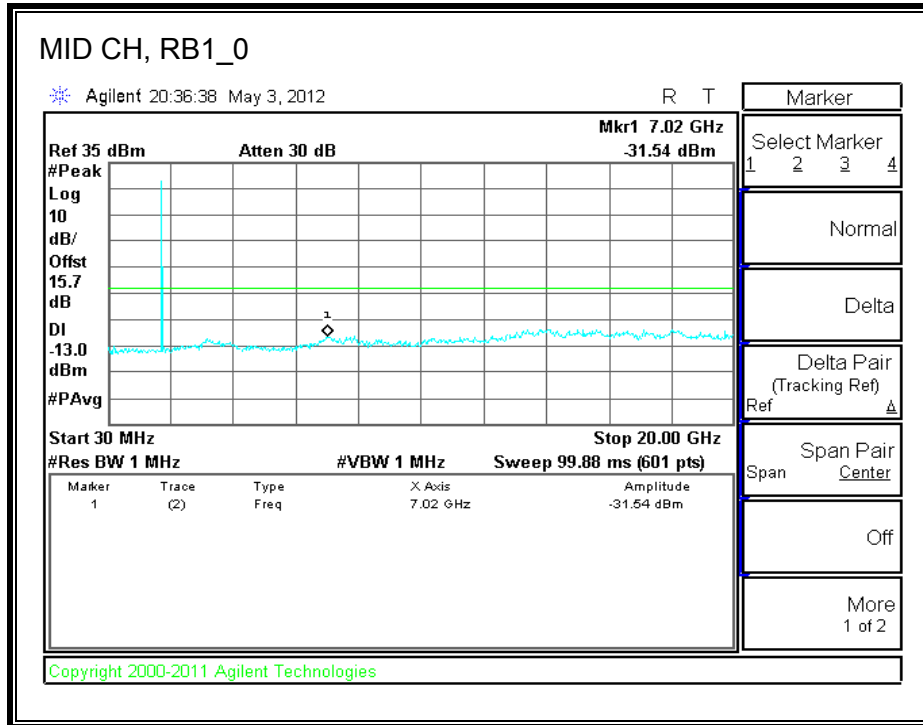


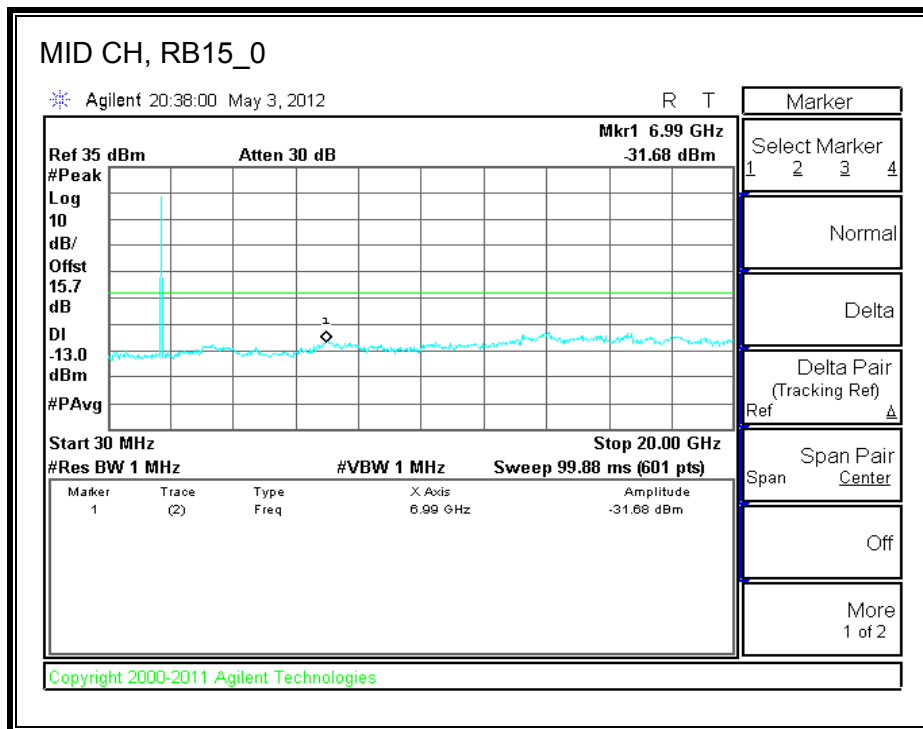
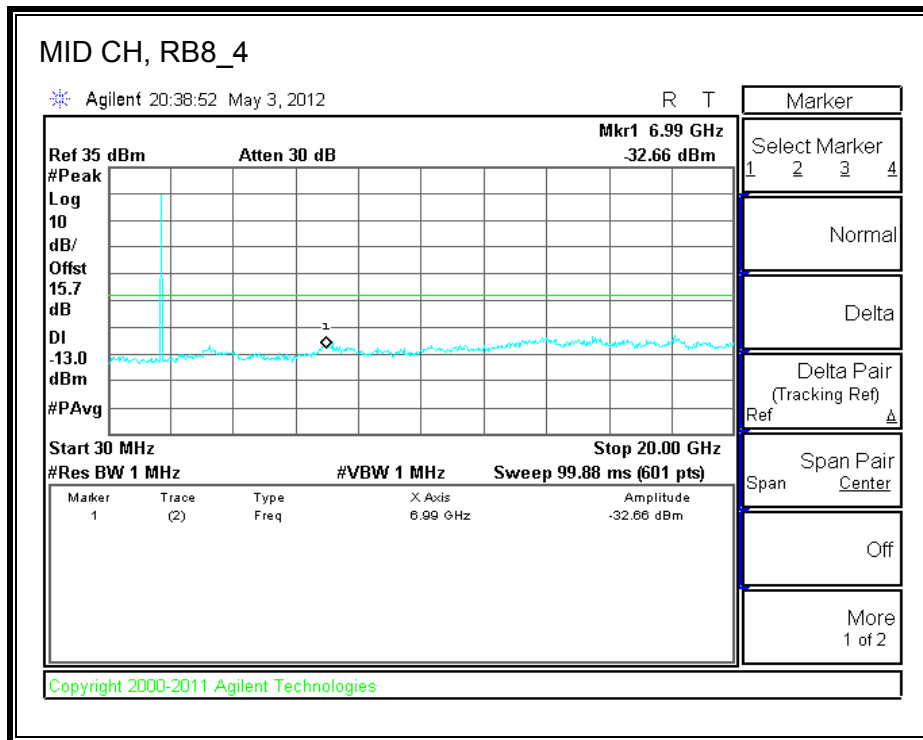


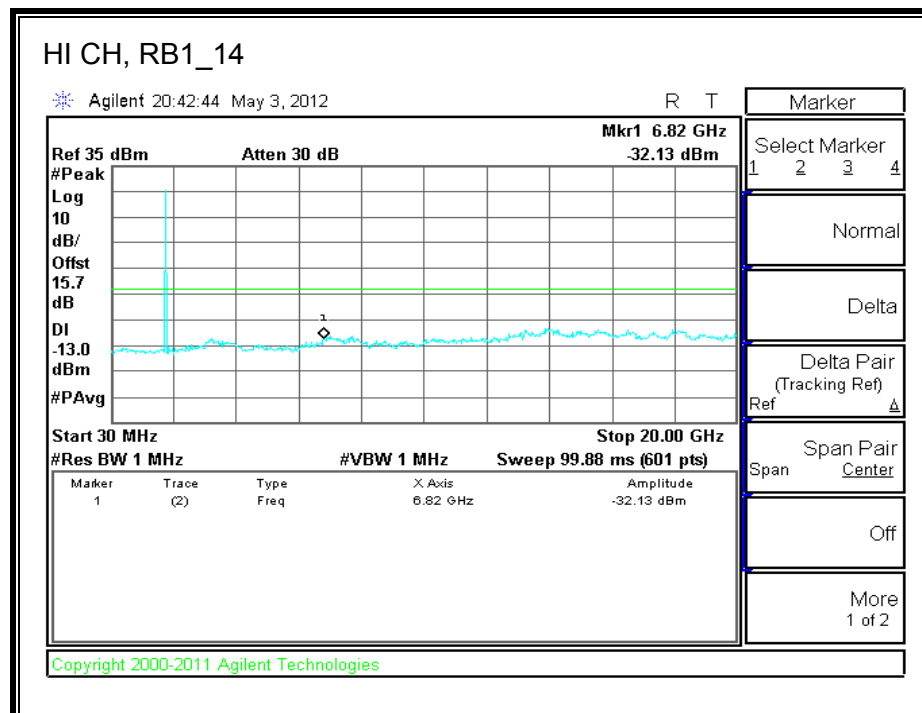
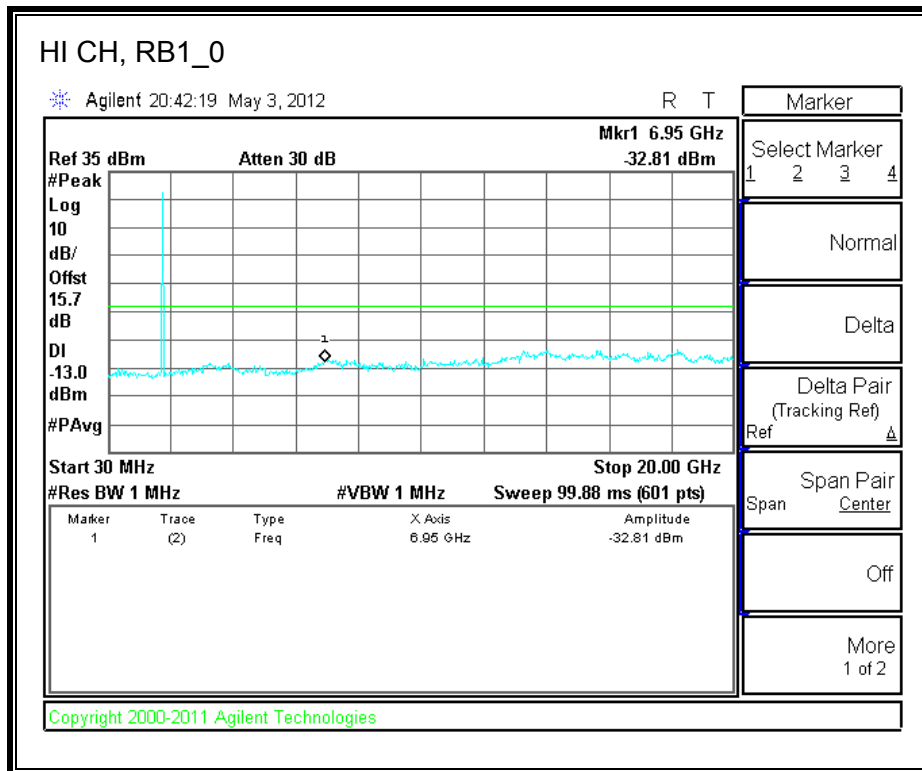
LTE, Band 4 (3.0MHz BAND WIDTH)

QPSK

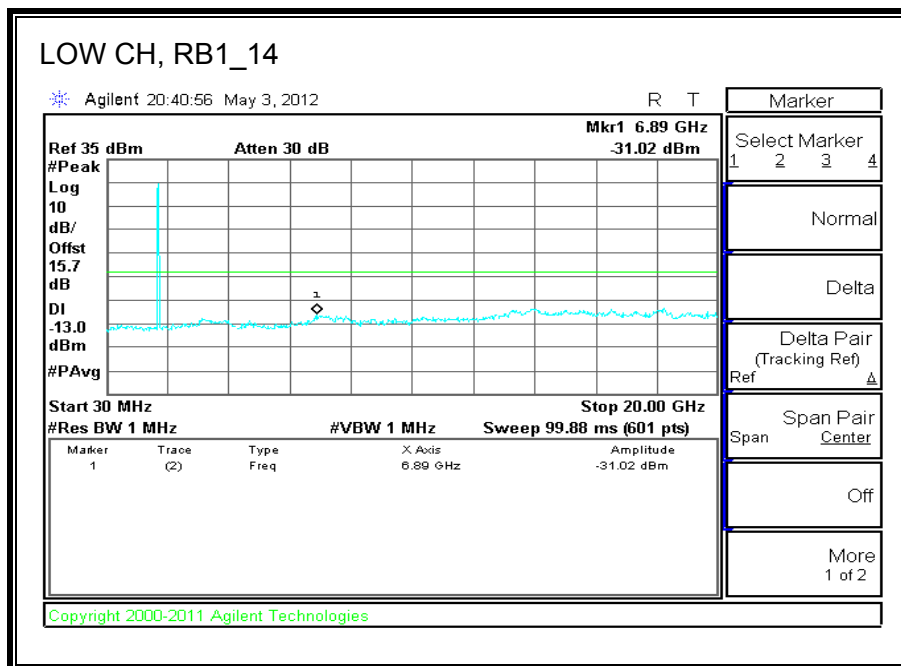
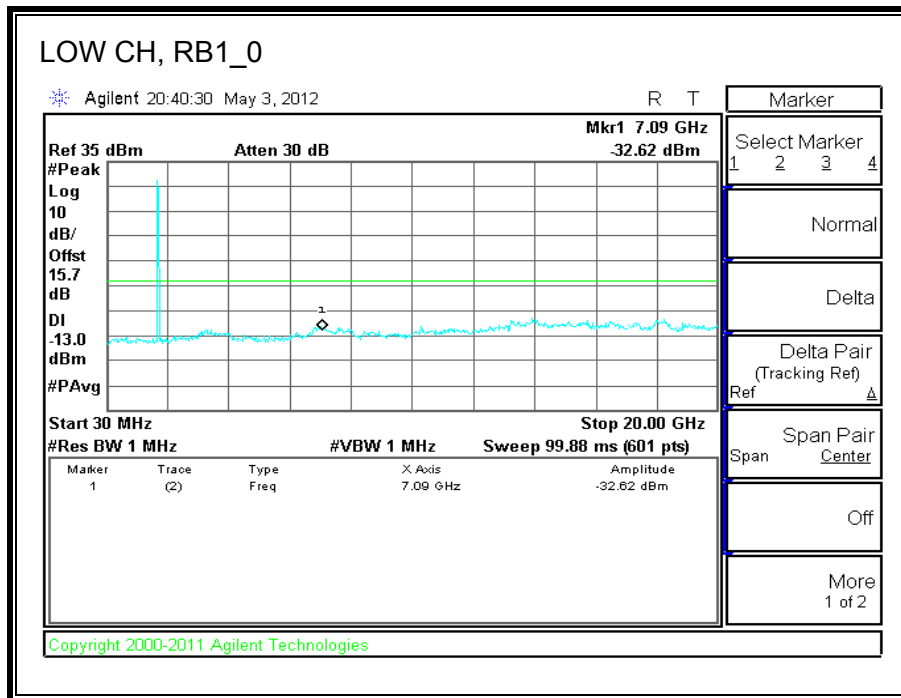


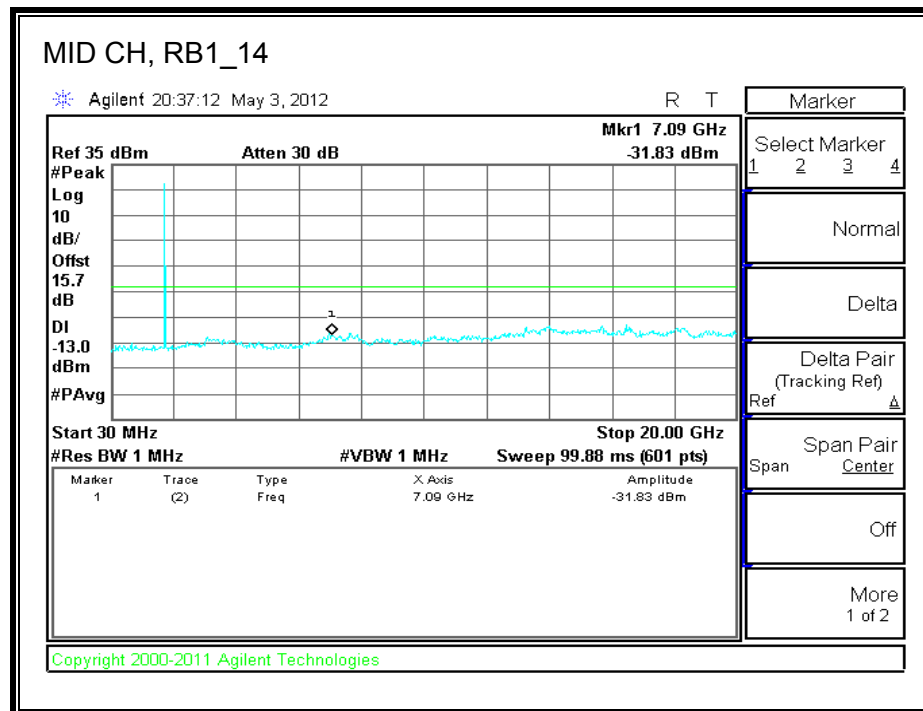
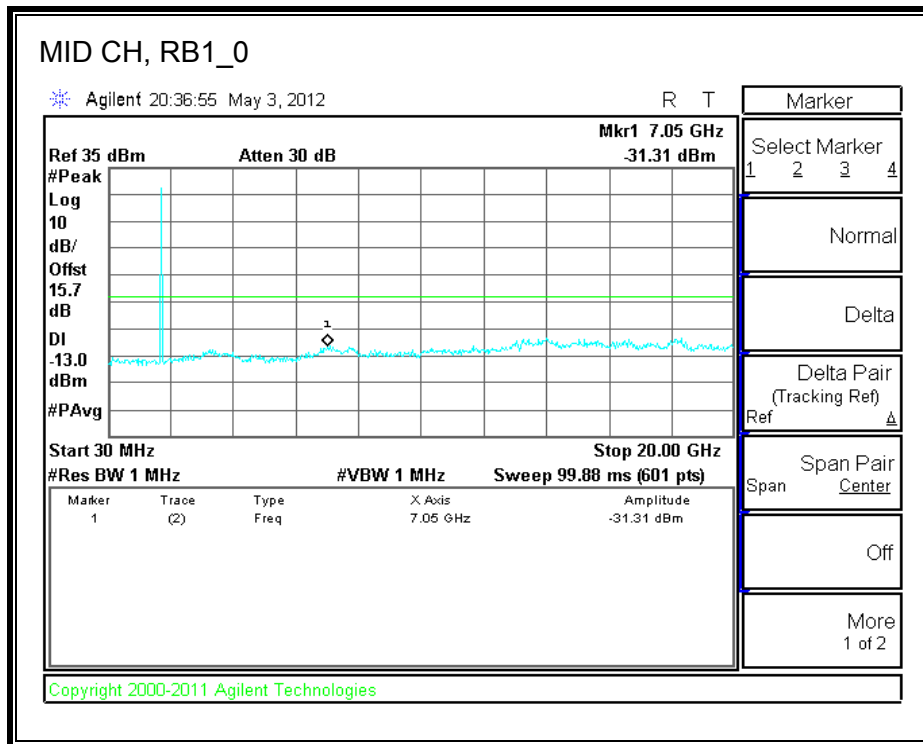


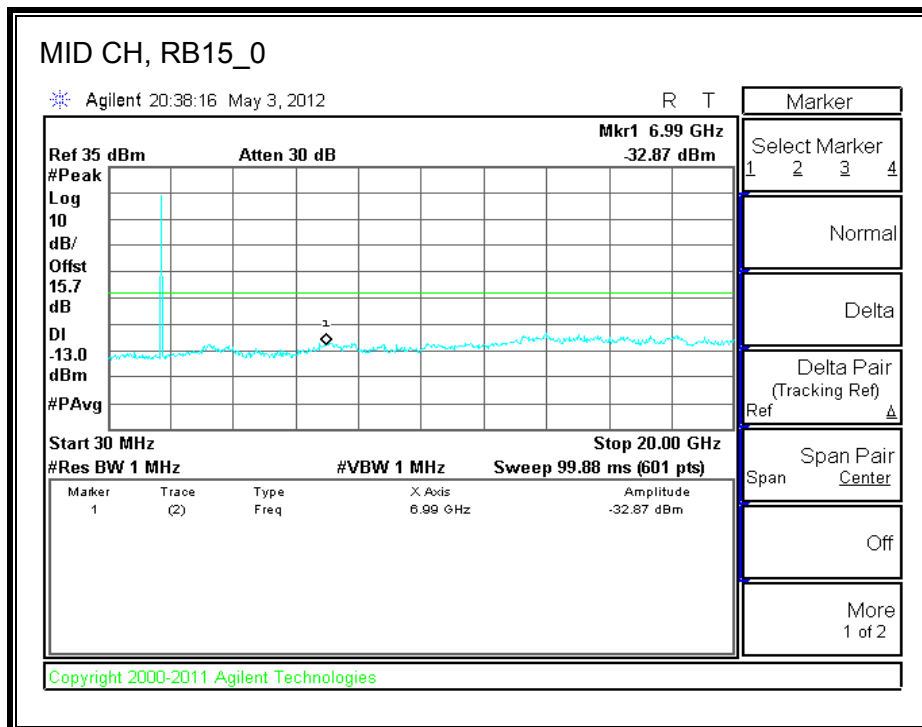
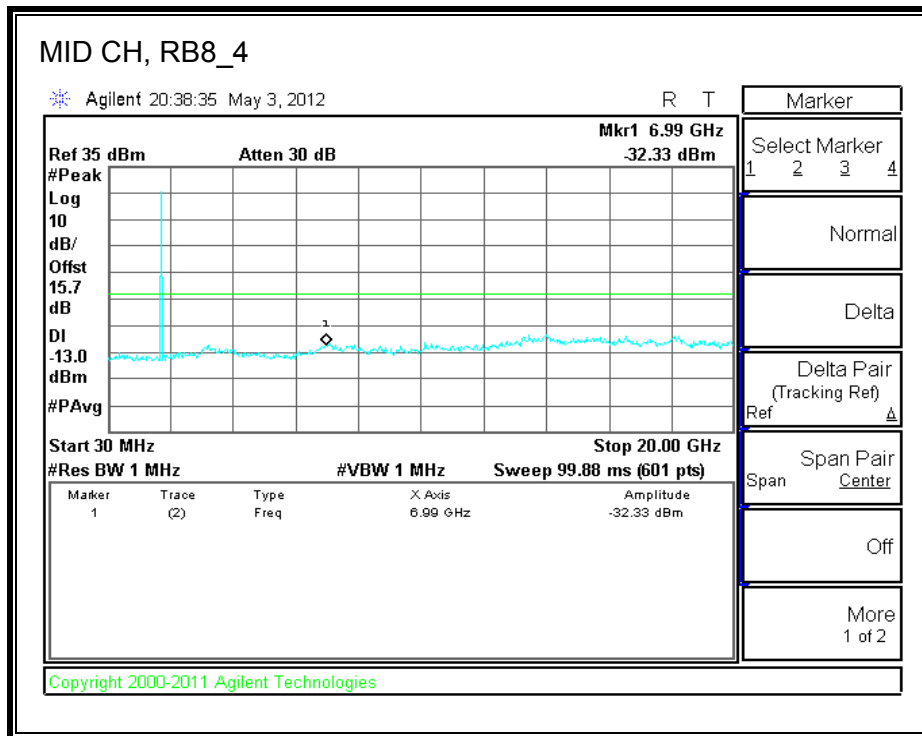


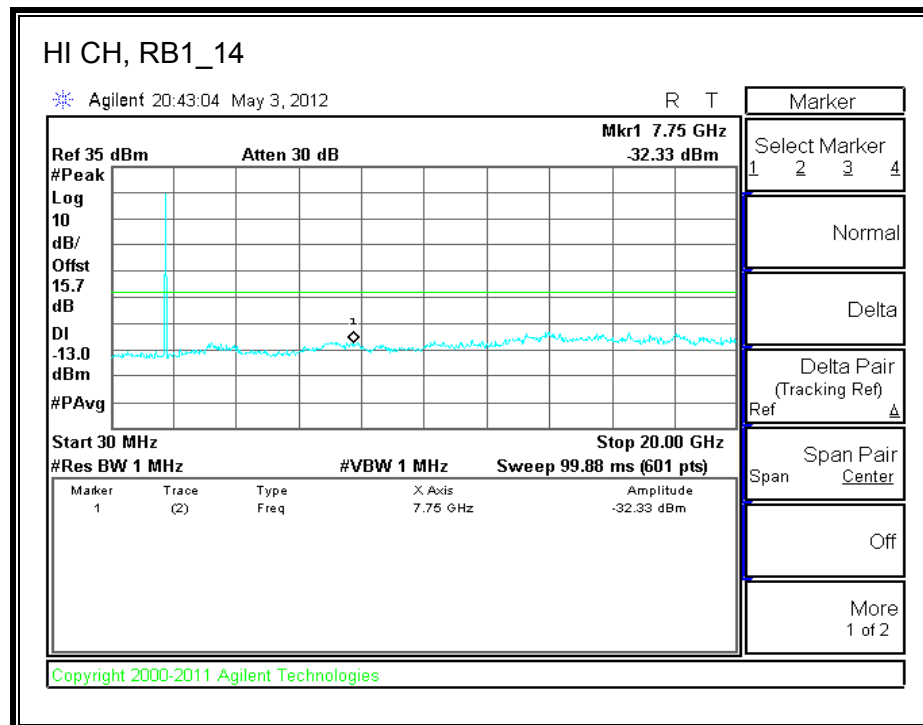
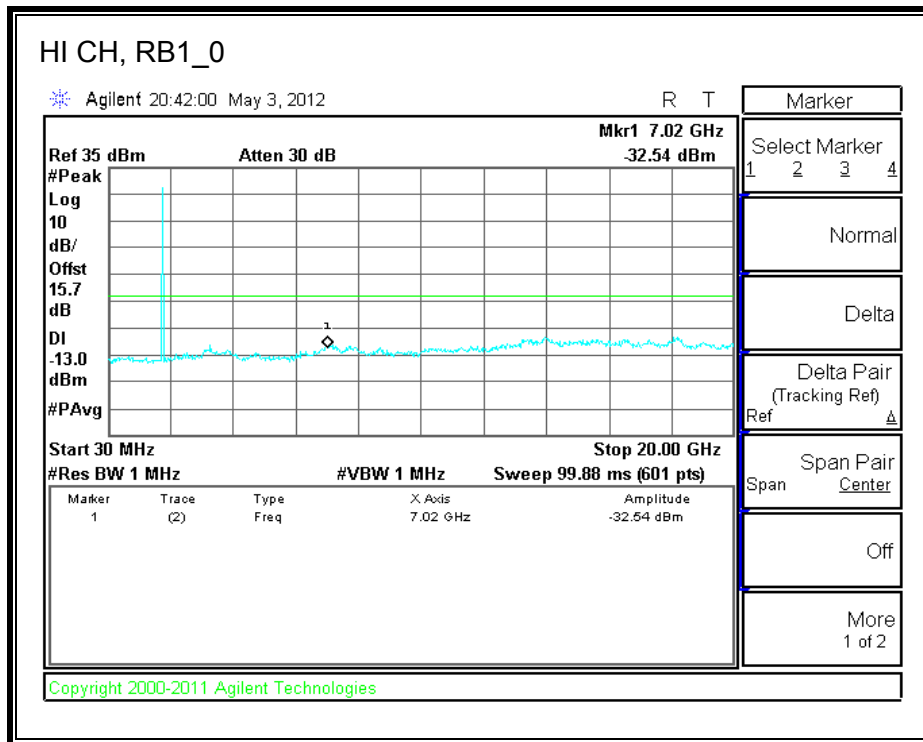


16QAM



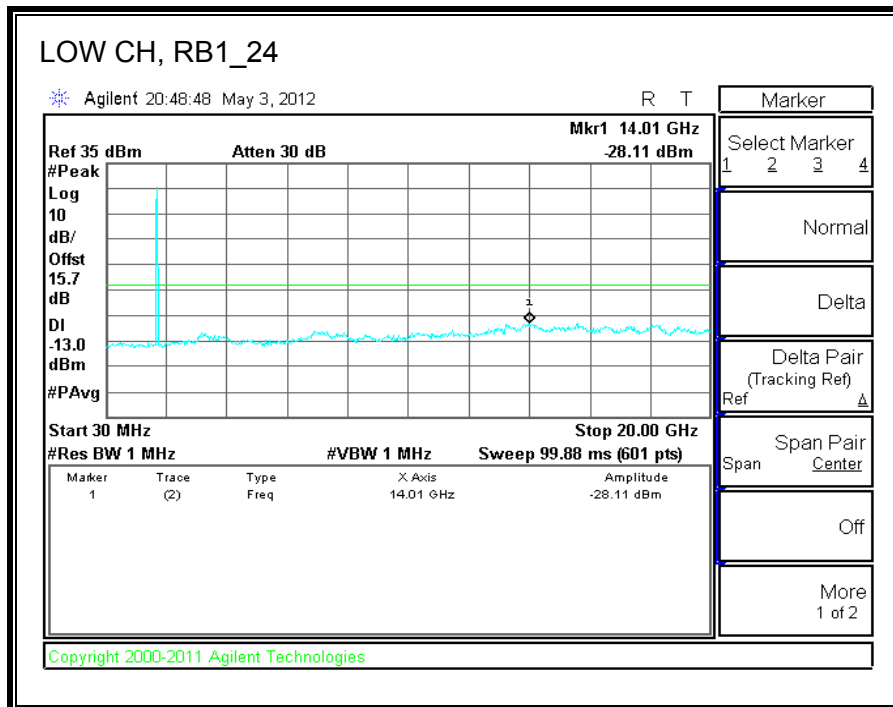
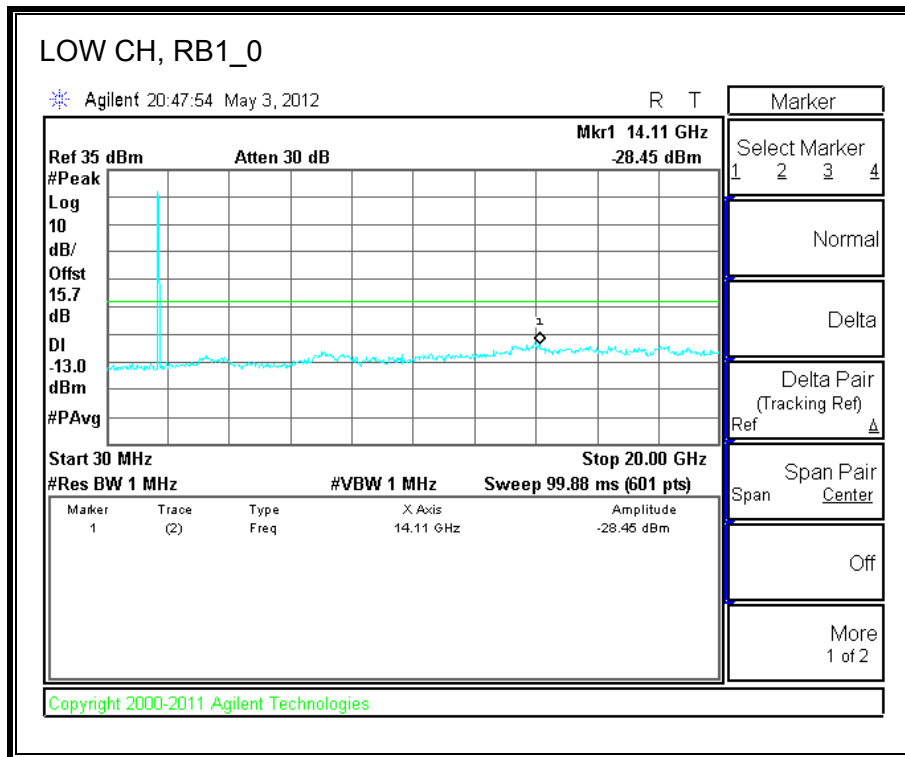


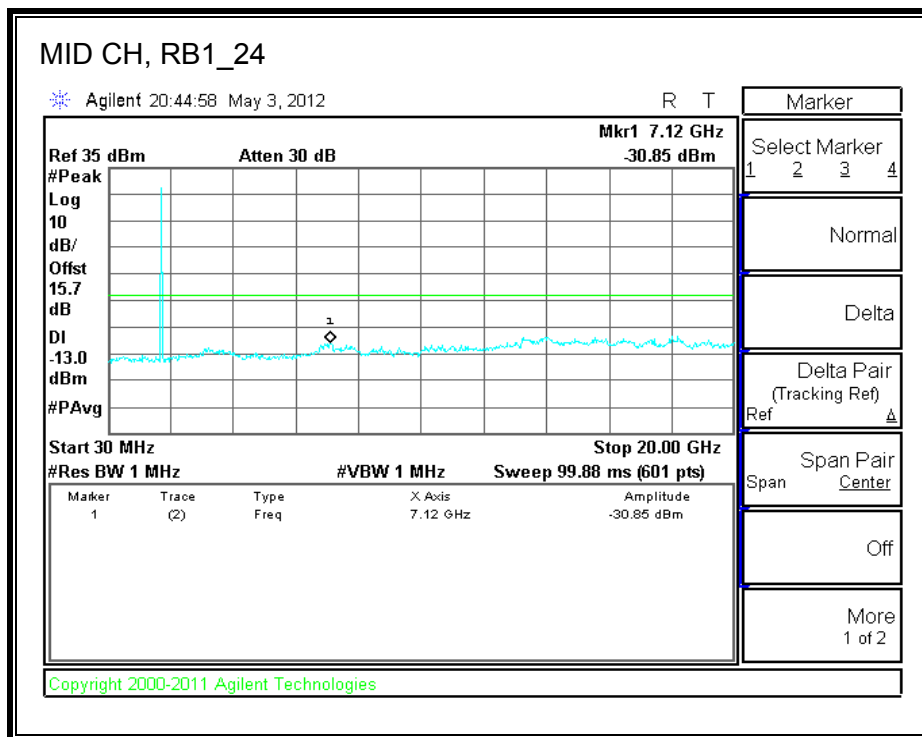
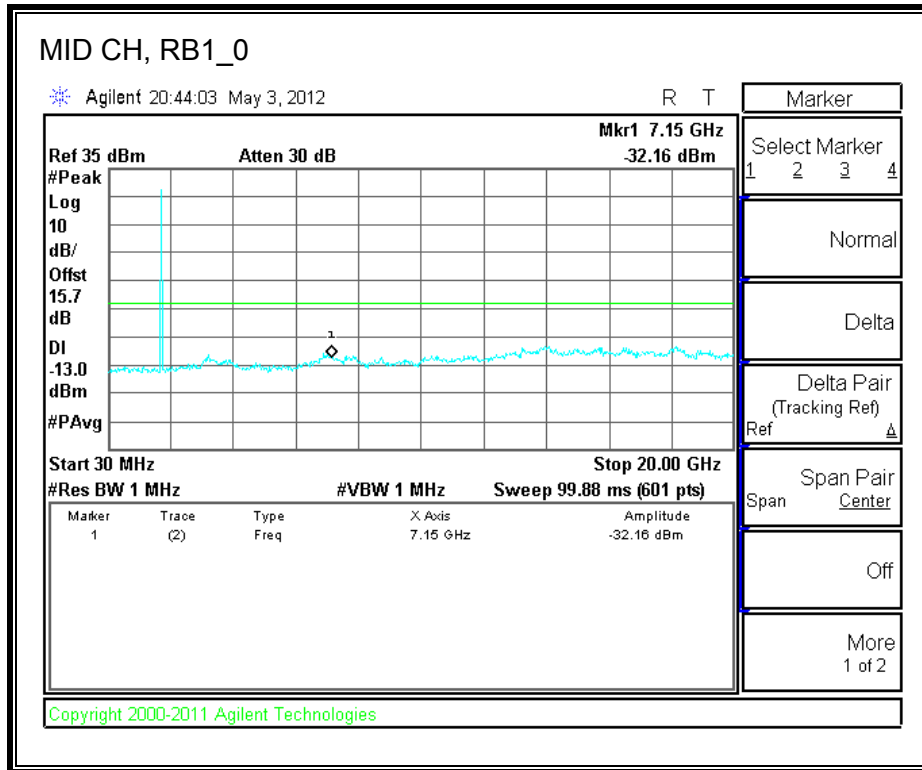


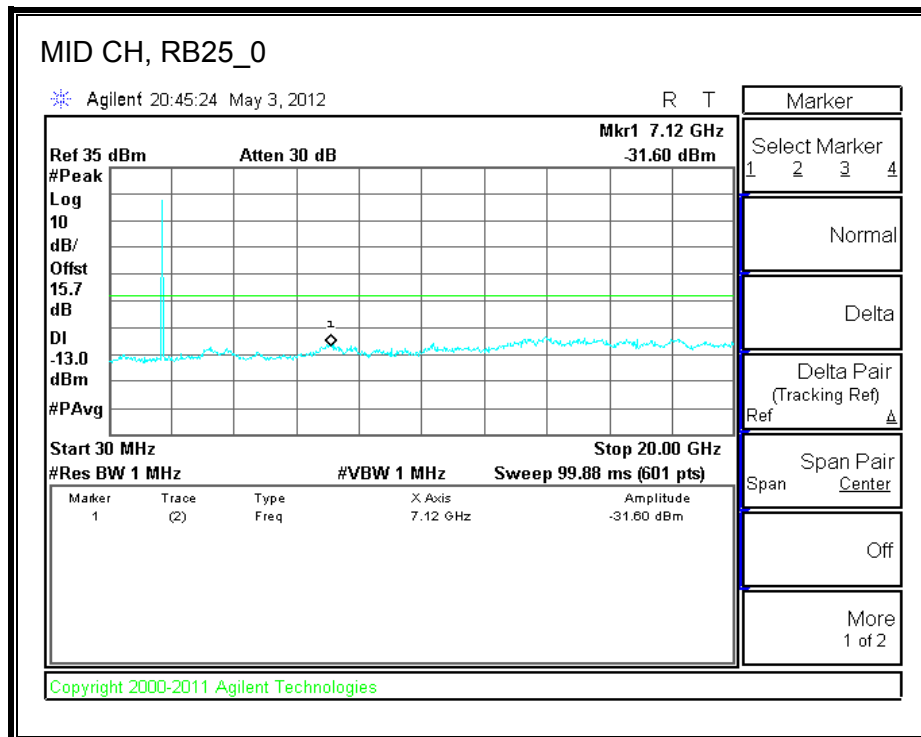
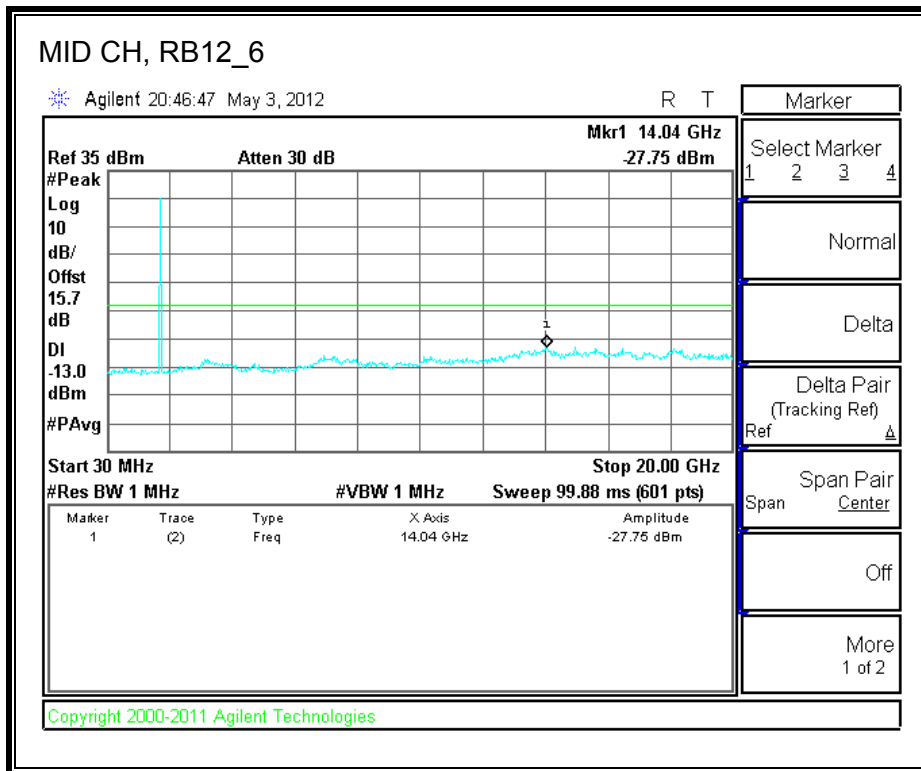


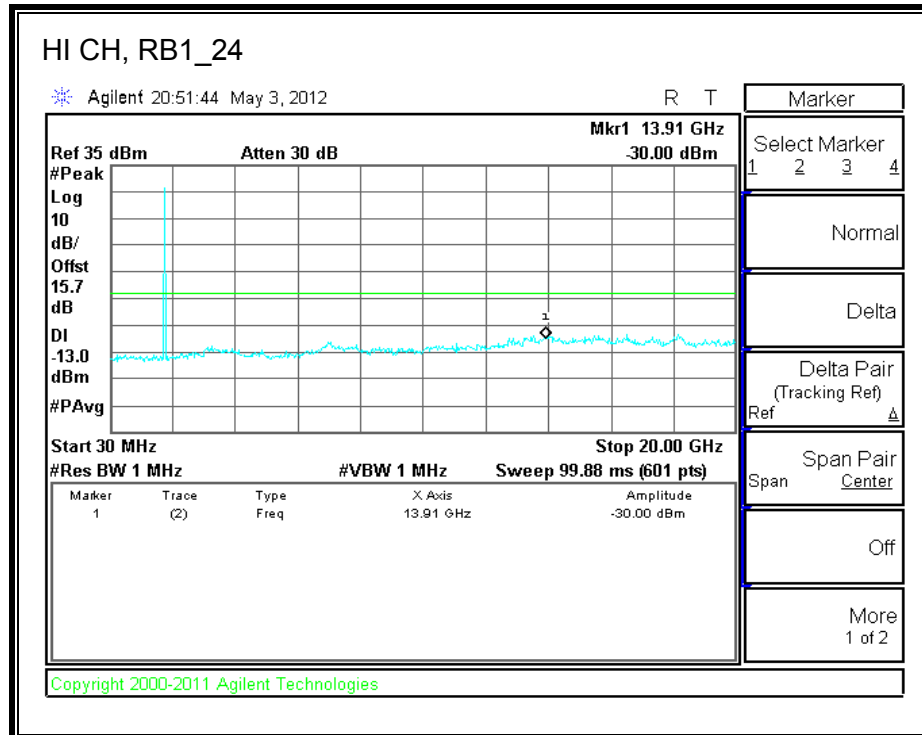
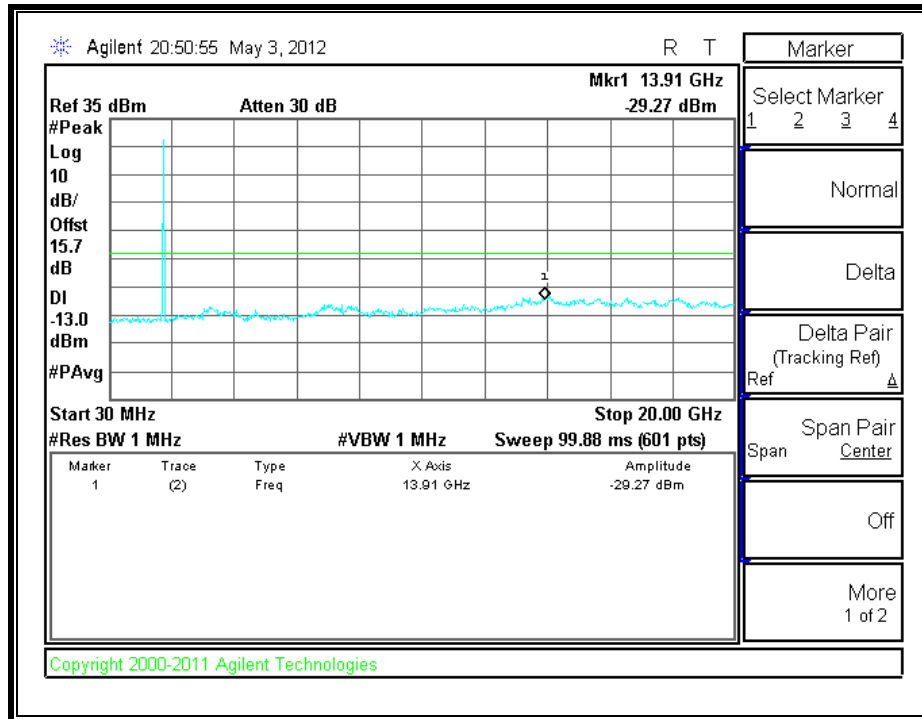
LTE, Band 4 (5.0MHz BAND WIDTH)

QPSK

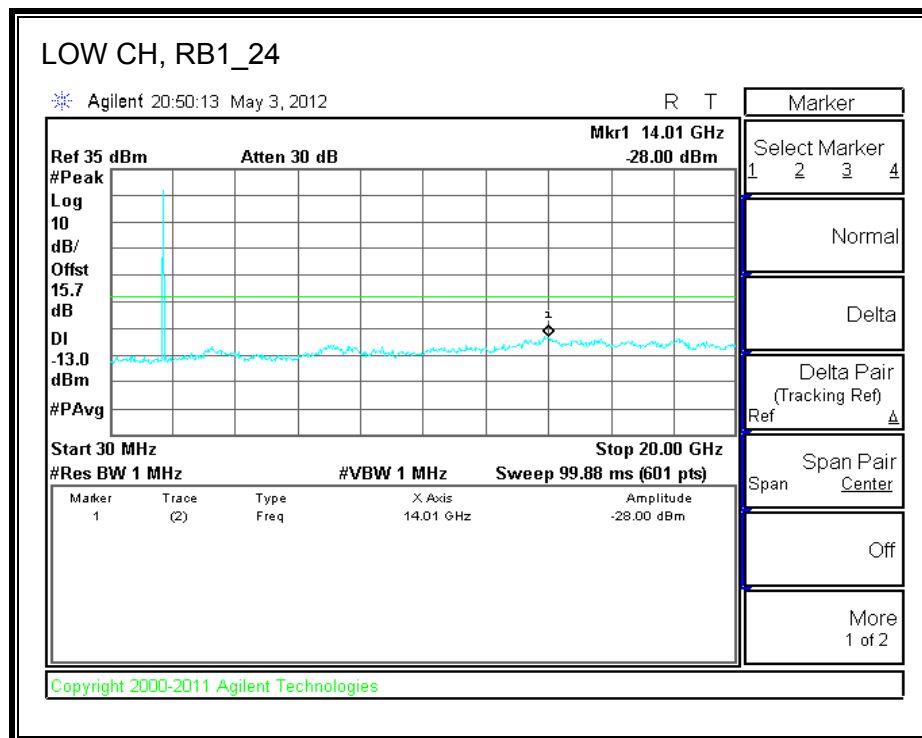
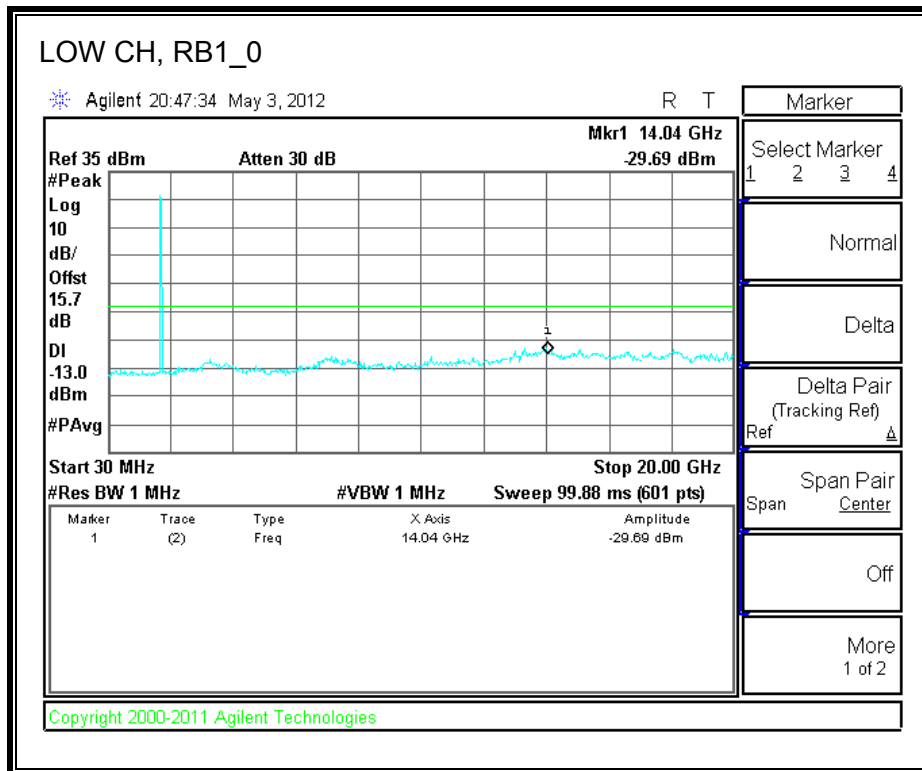


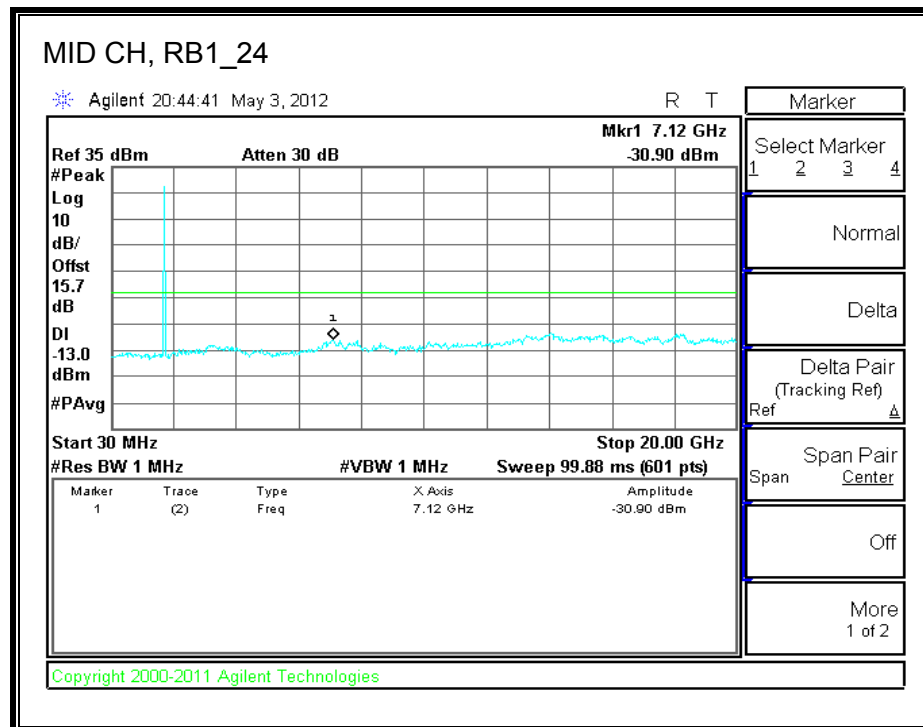
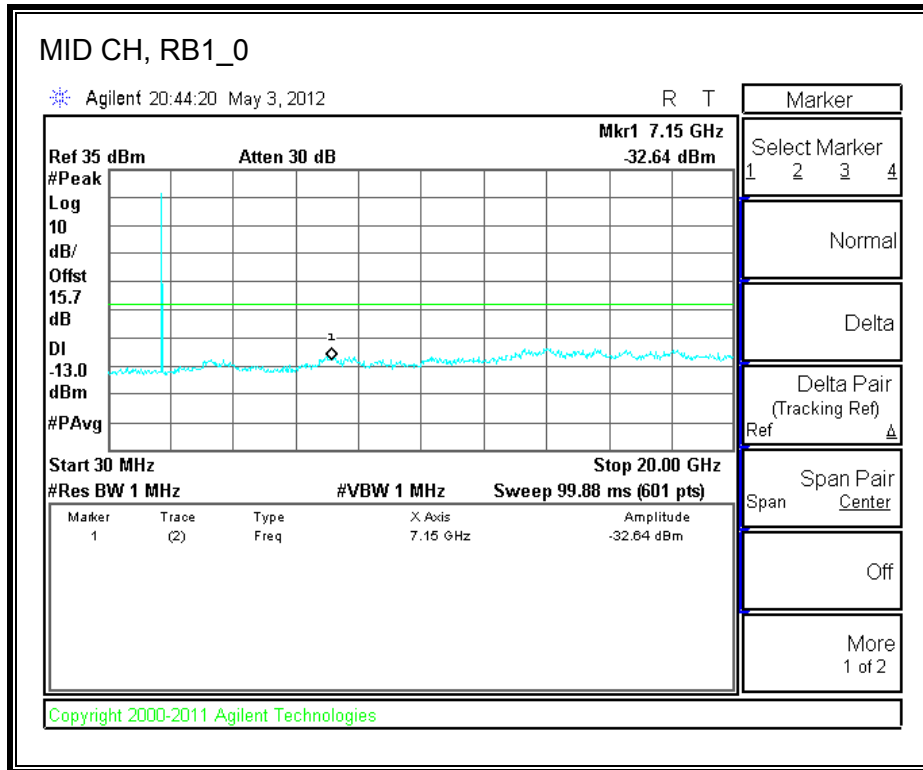


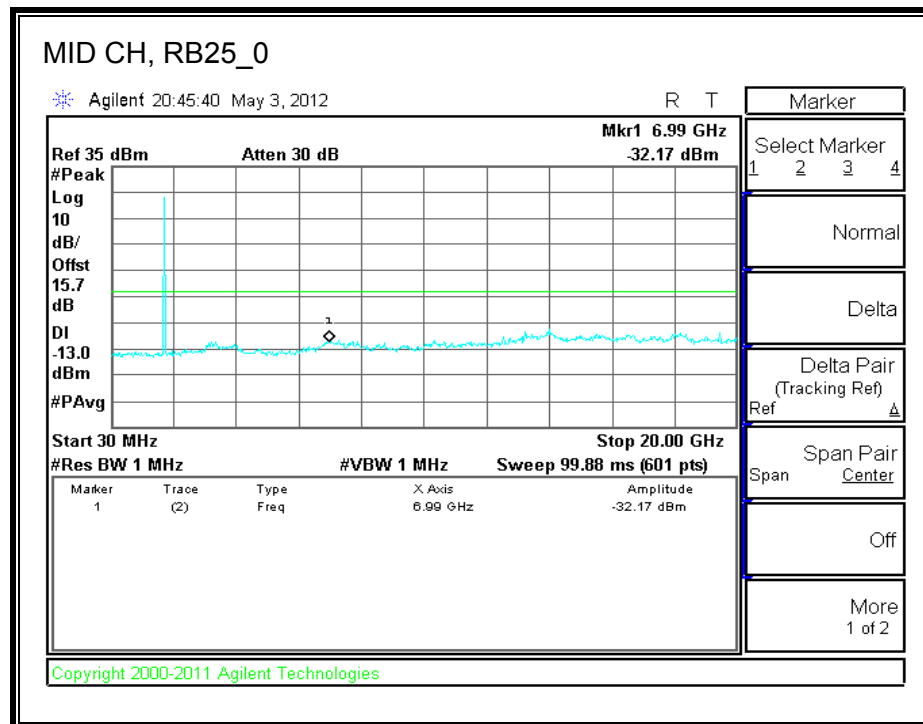
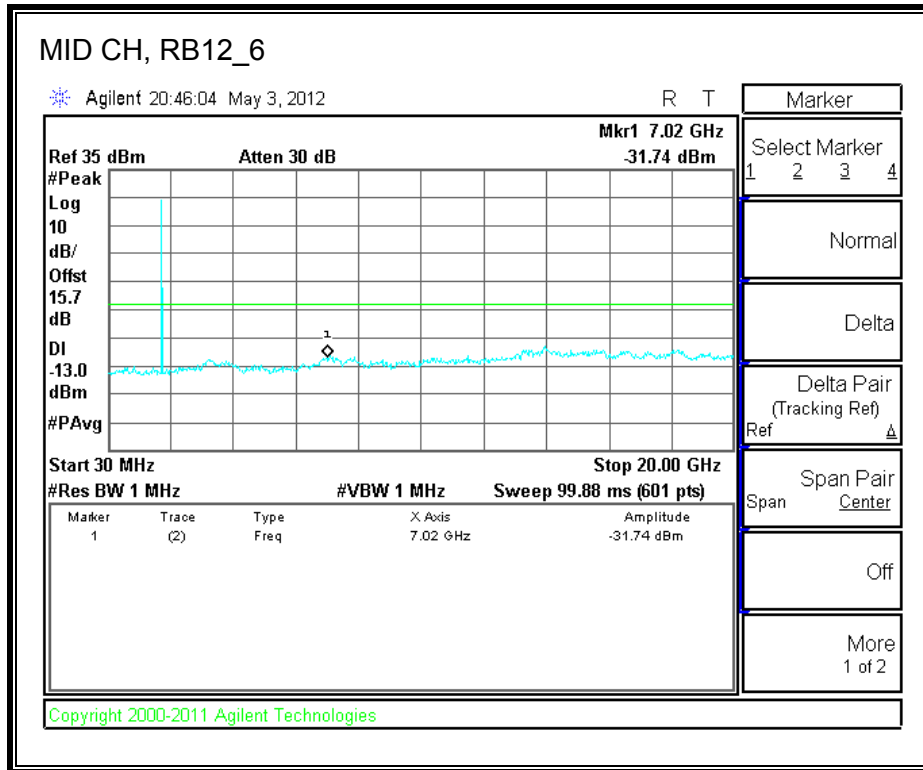


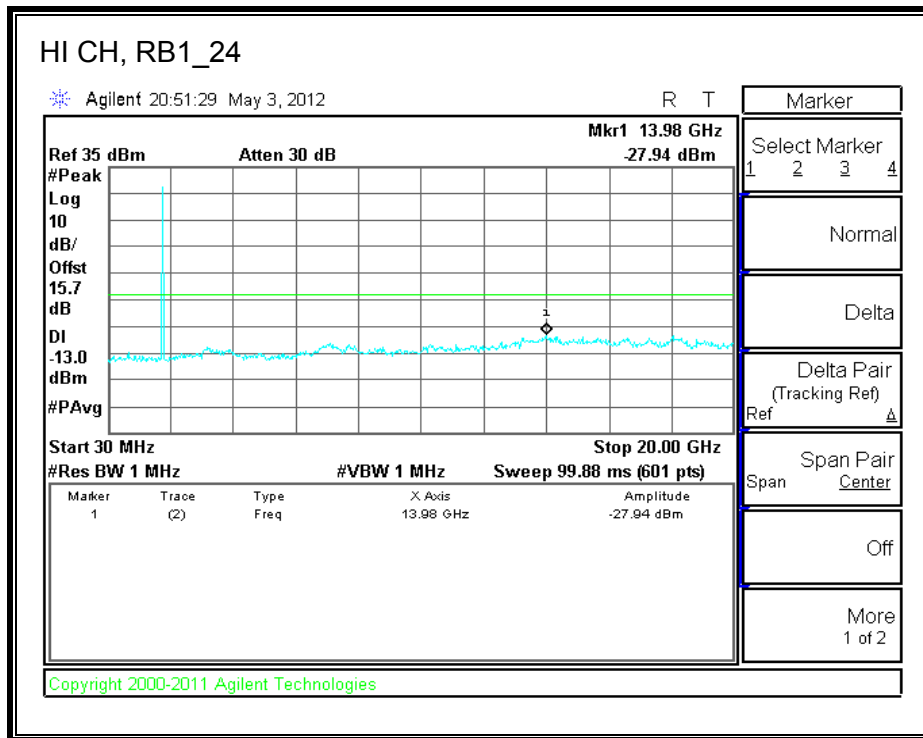
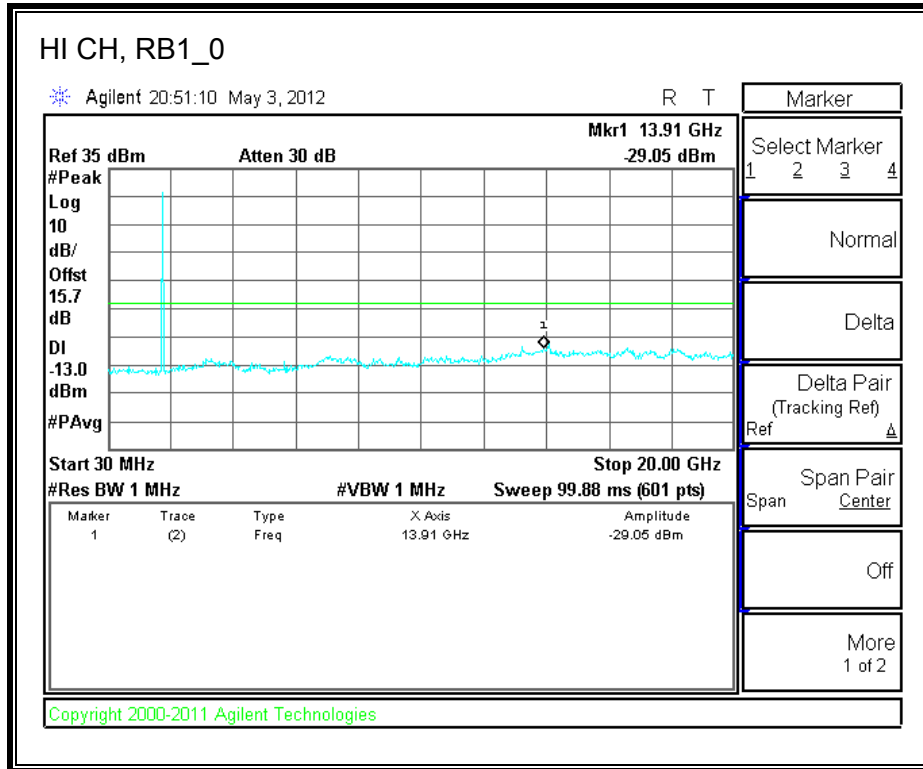


16QAM



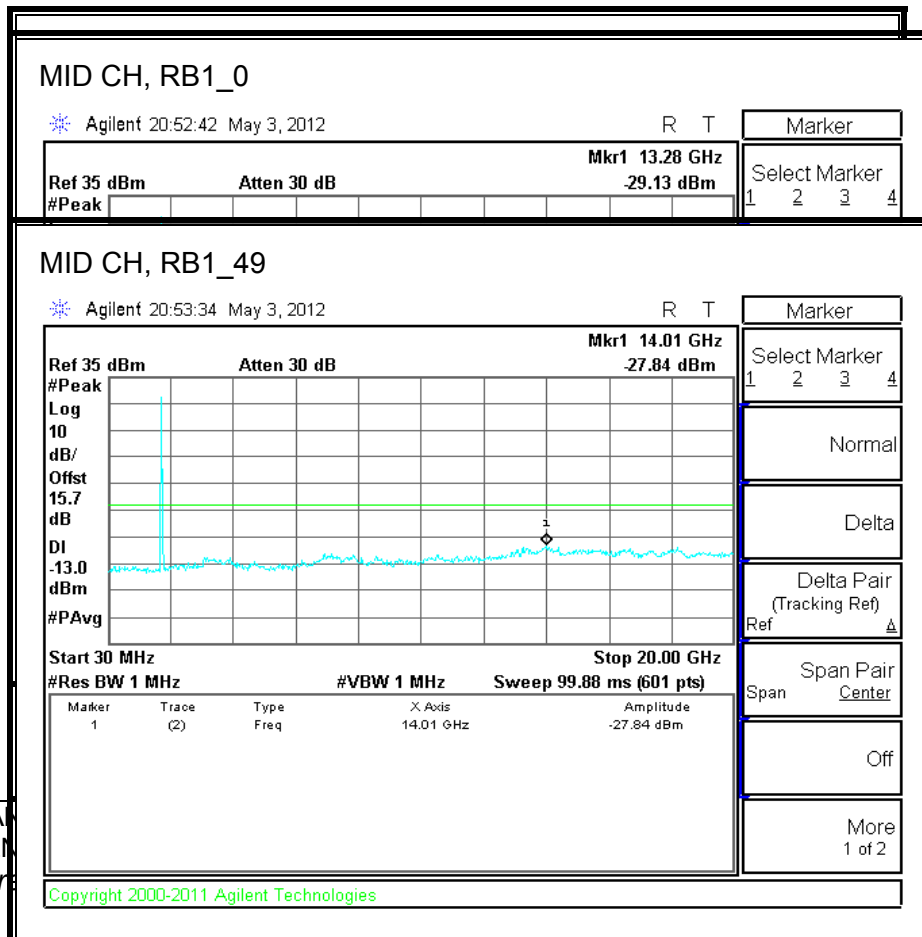
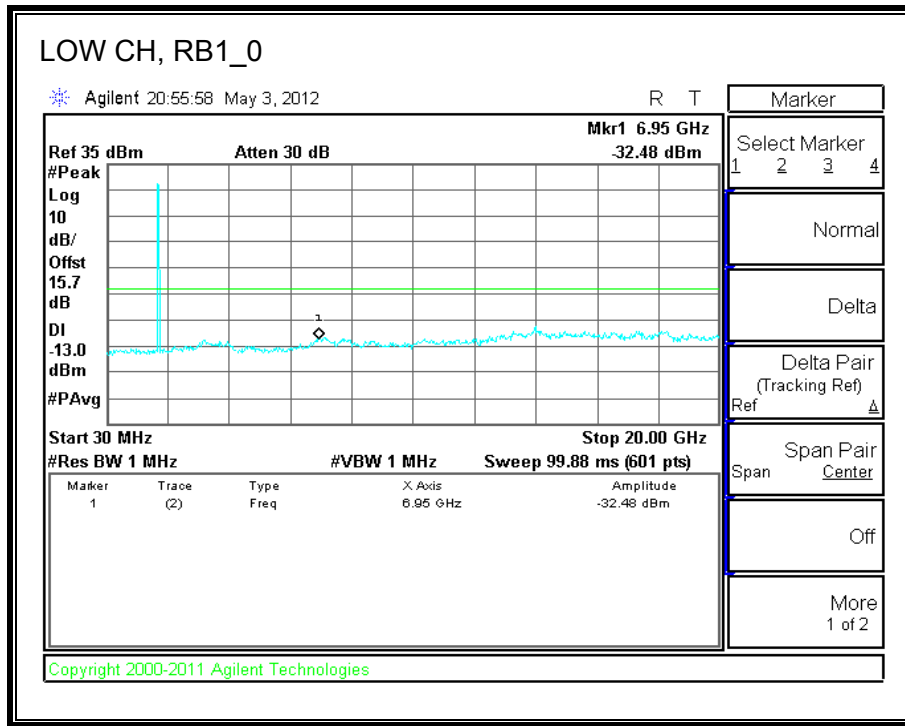


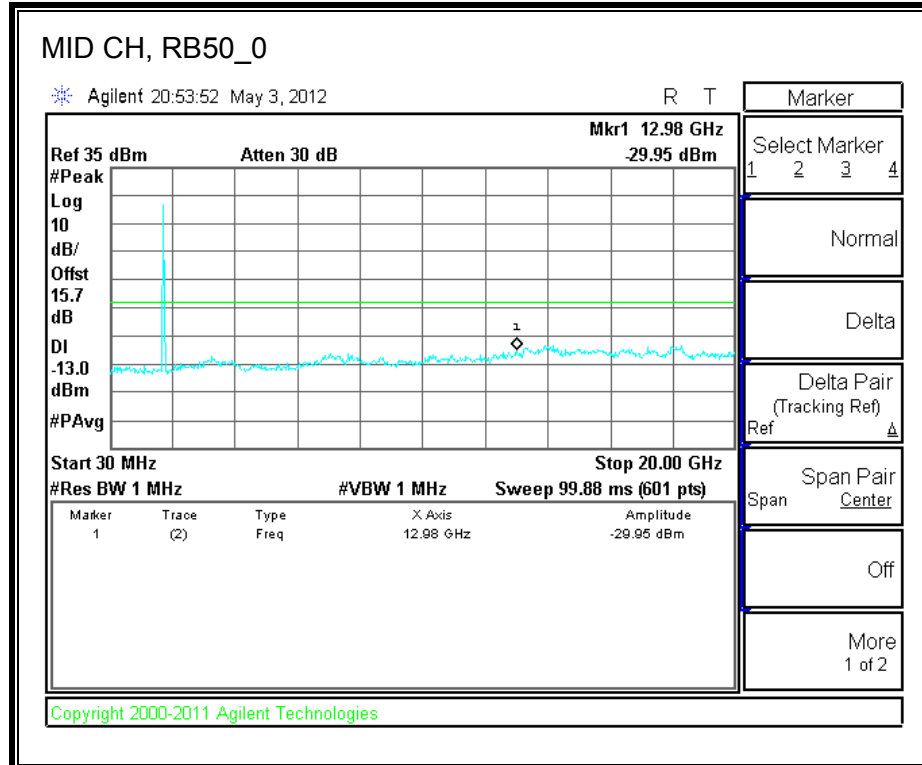
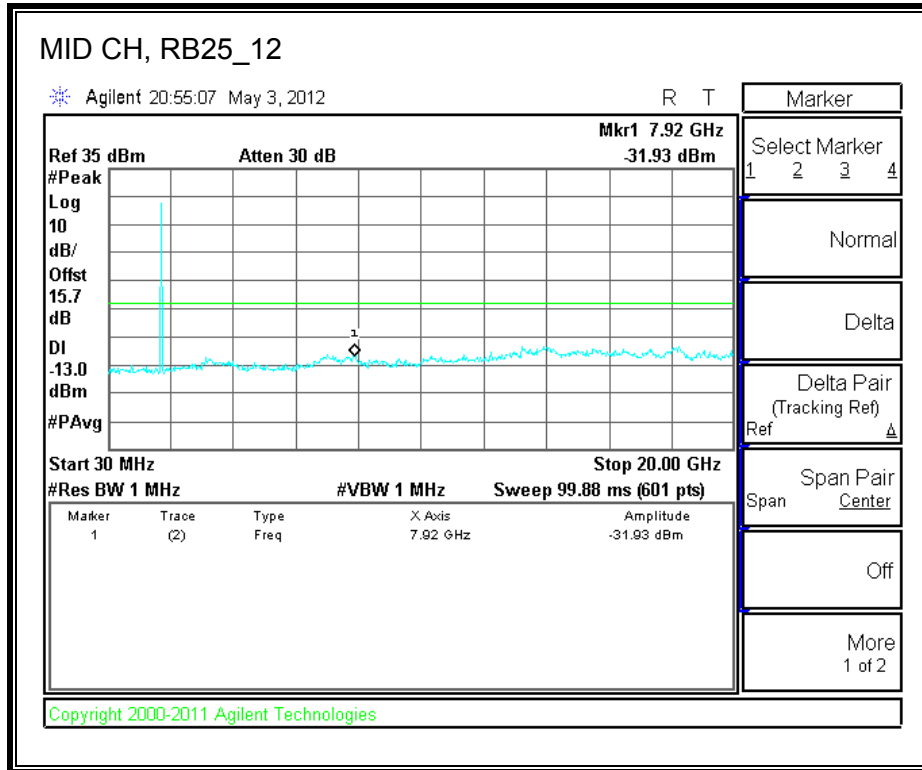


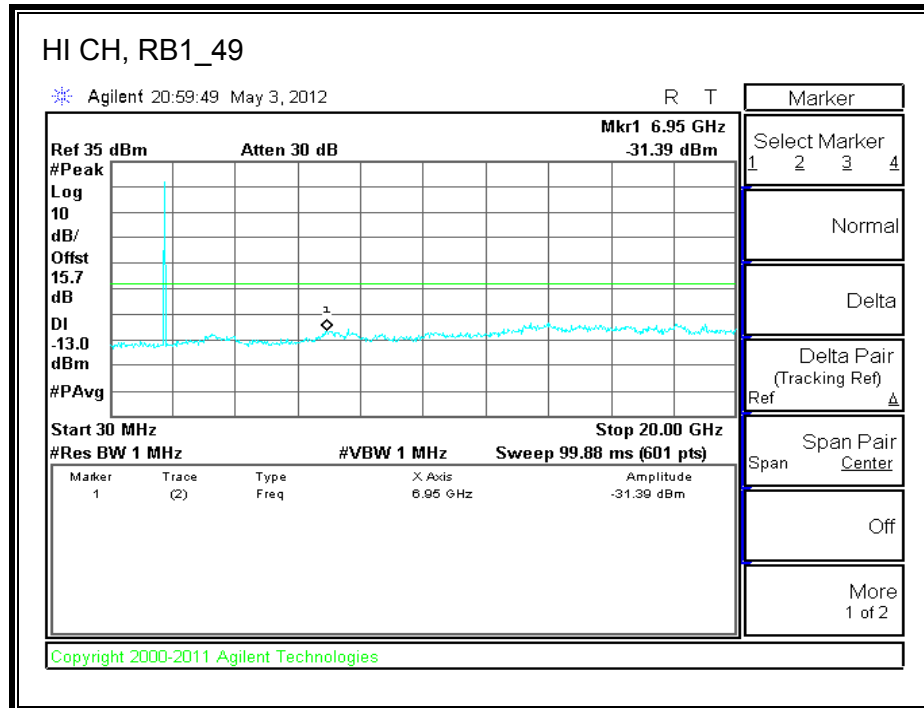
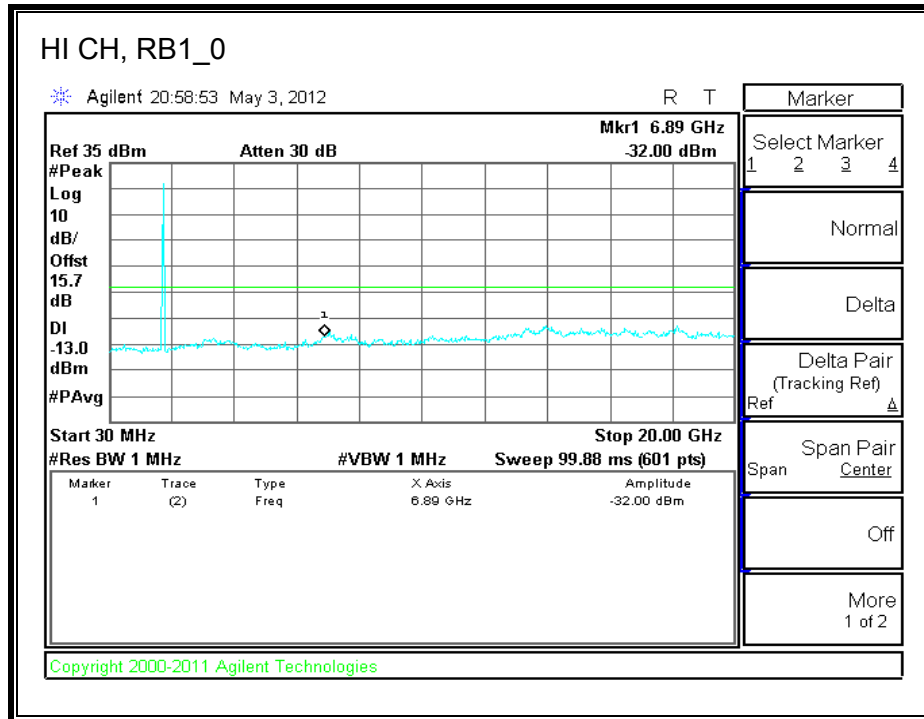


LTE, Band 4 (10.0MHz BAND WIDTH)

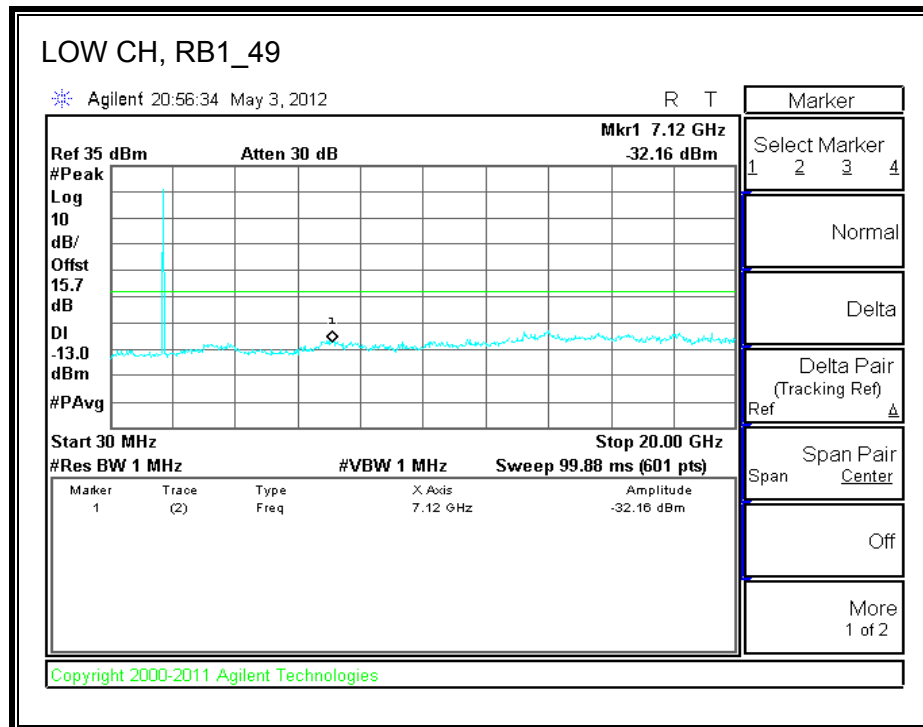
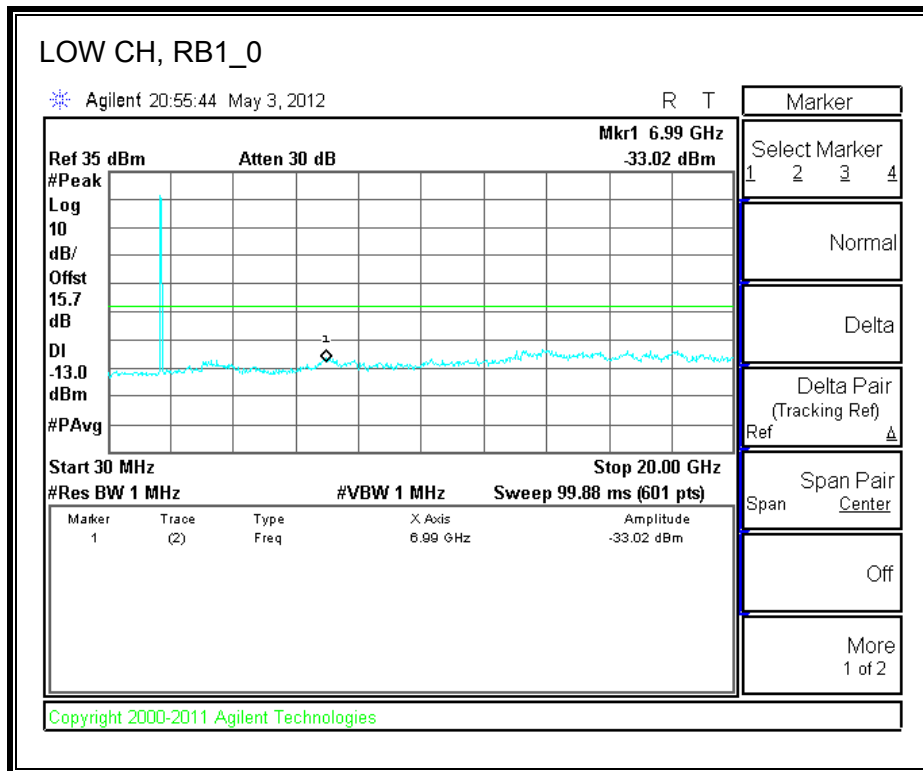
QPSK

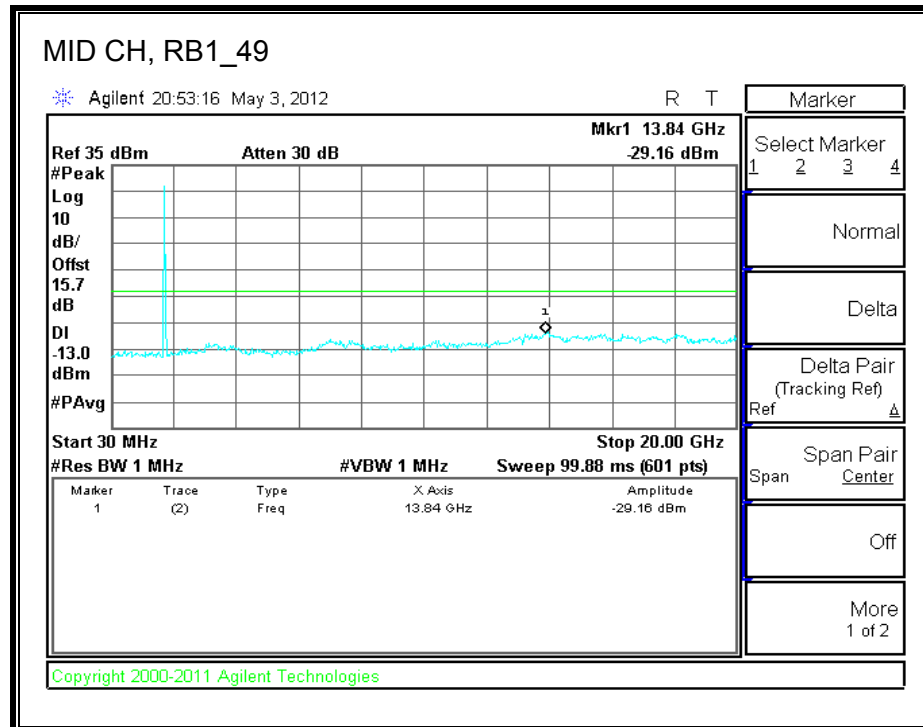
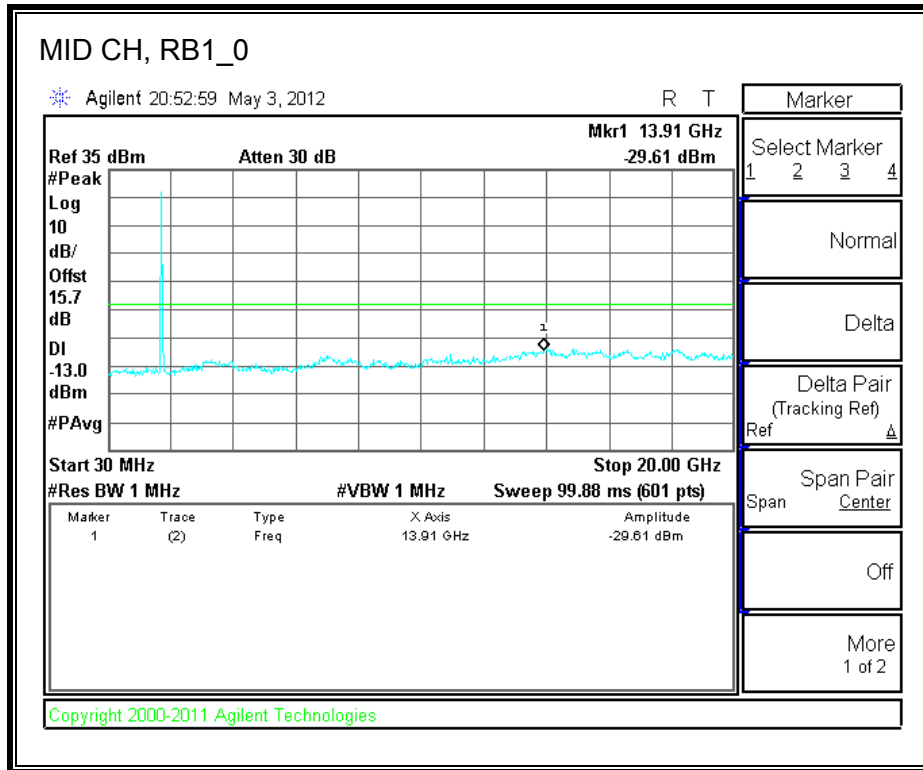


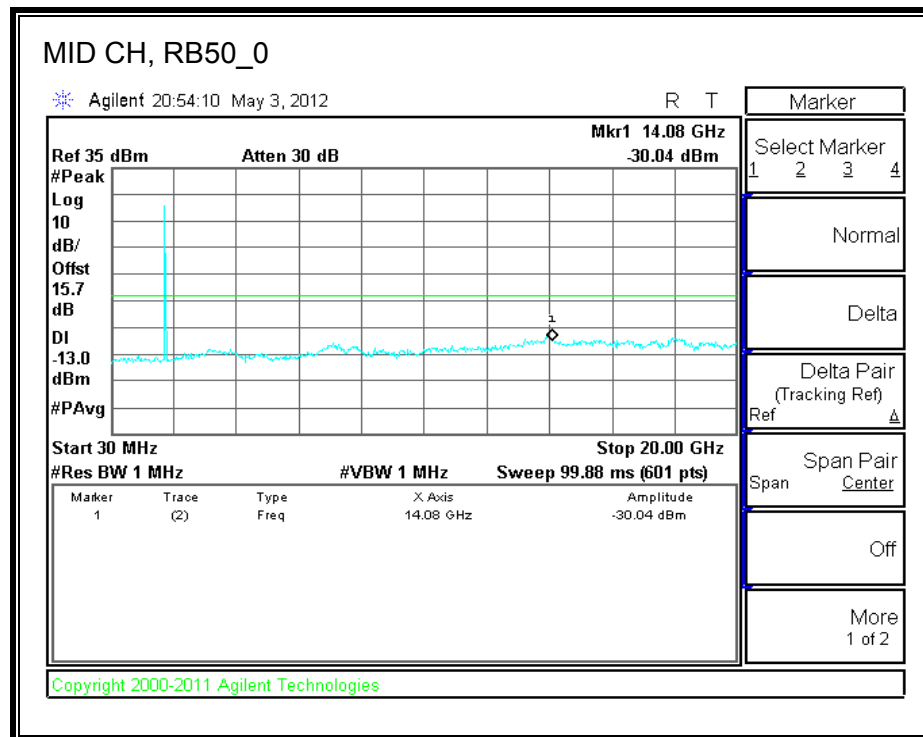
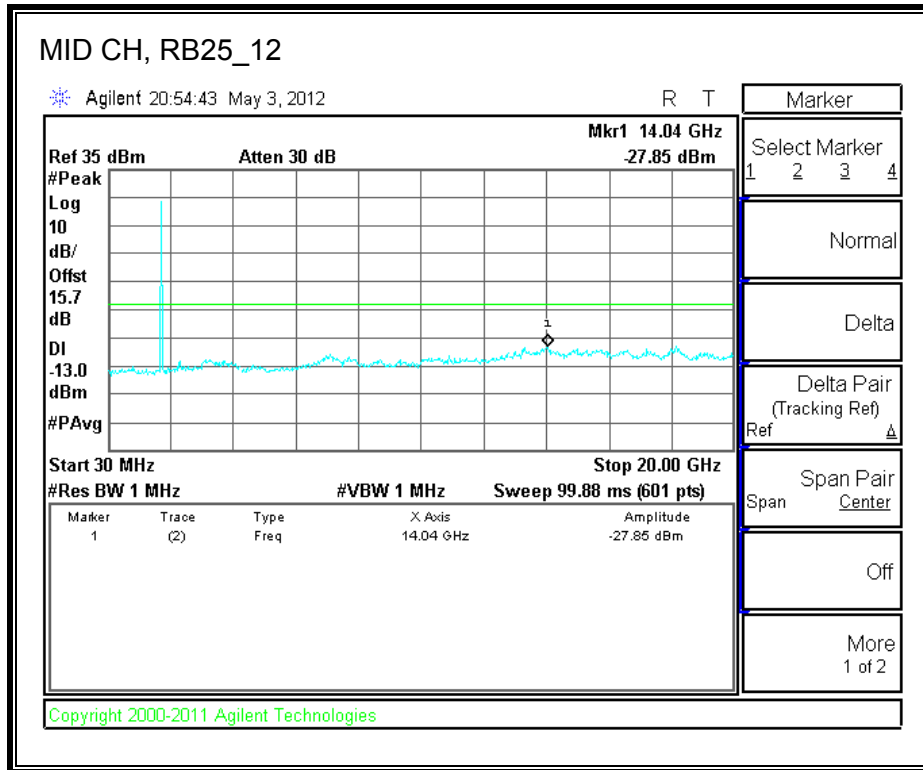


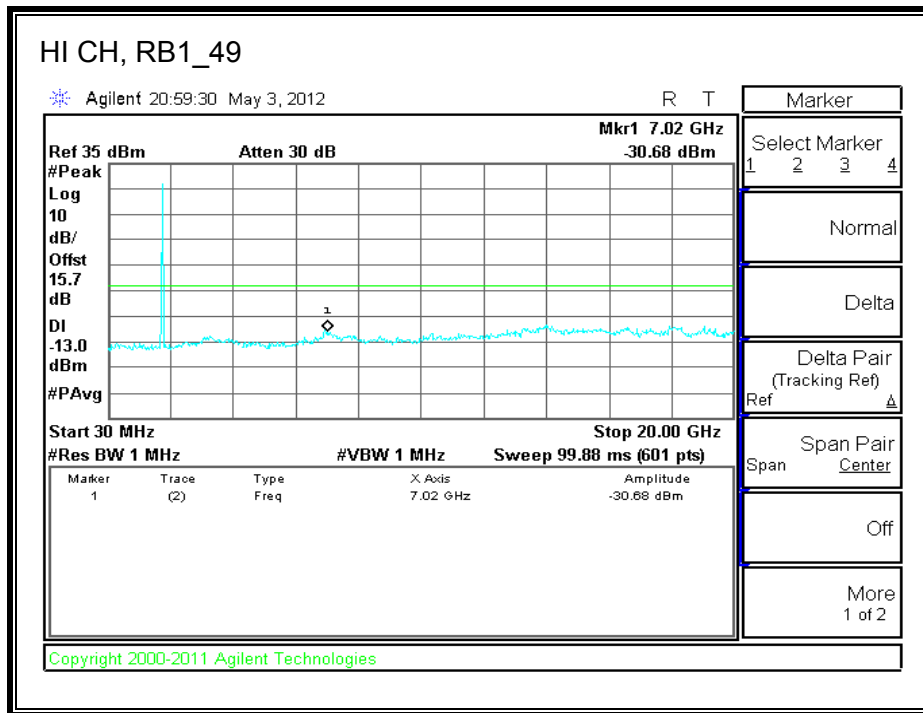
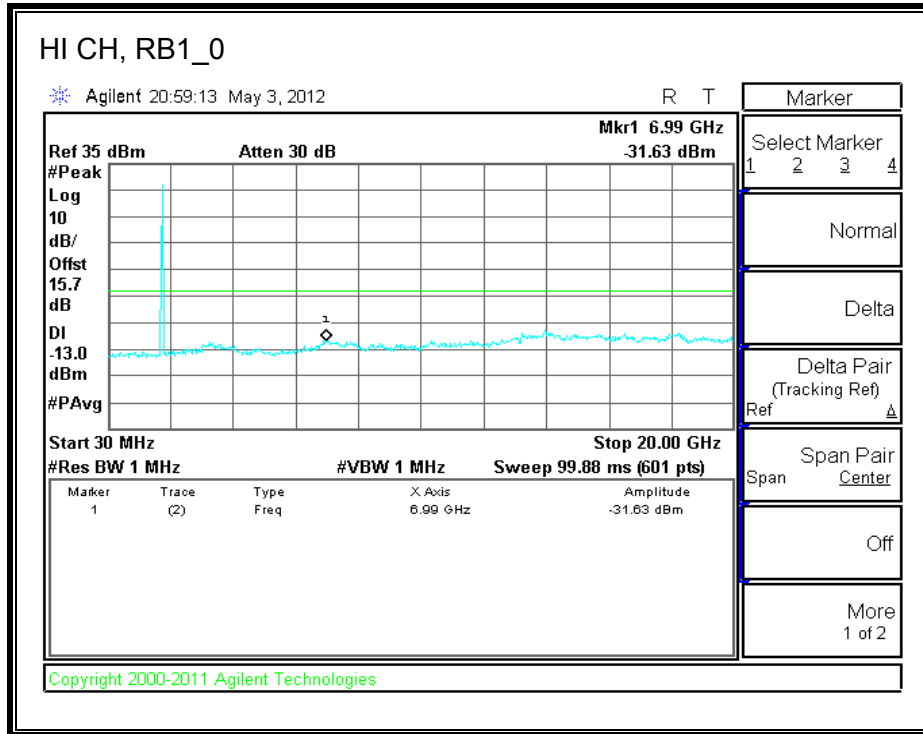


16QAM



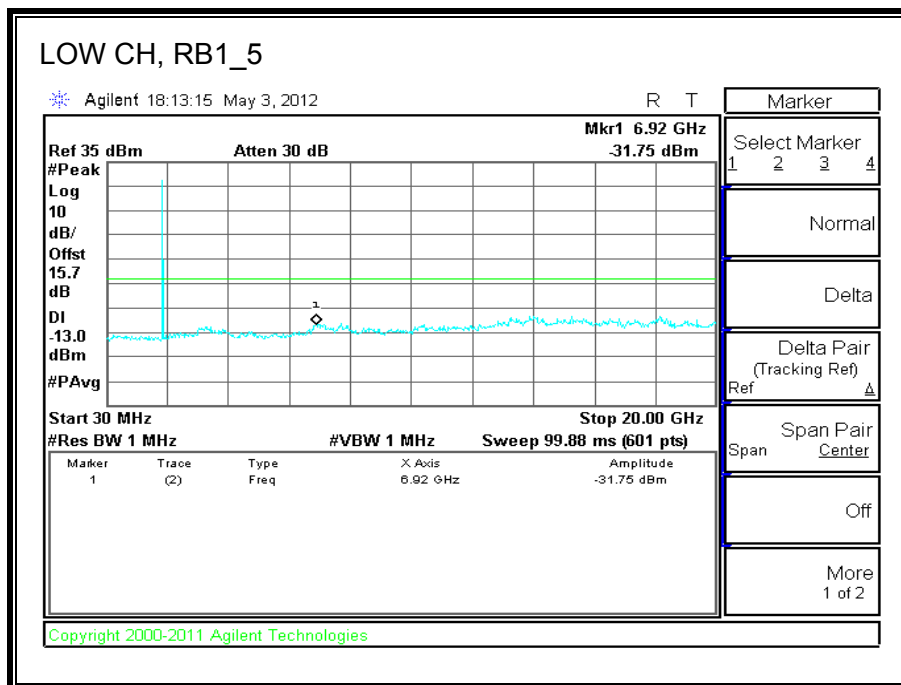
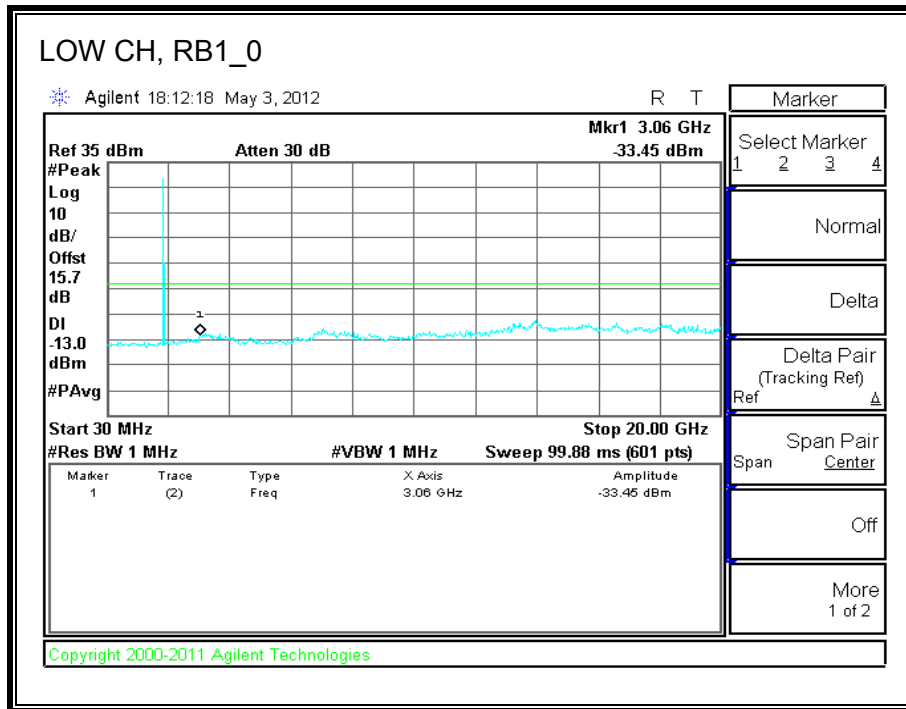


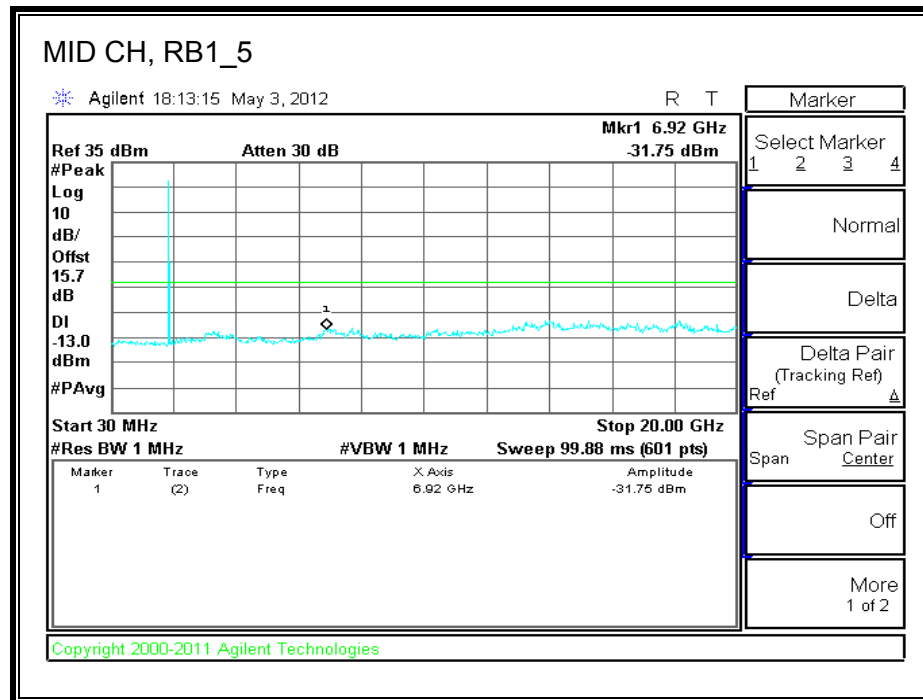
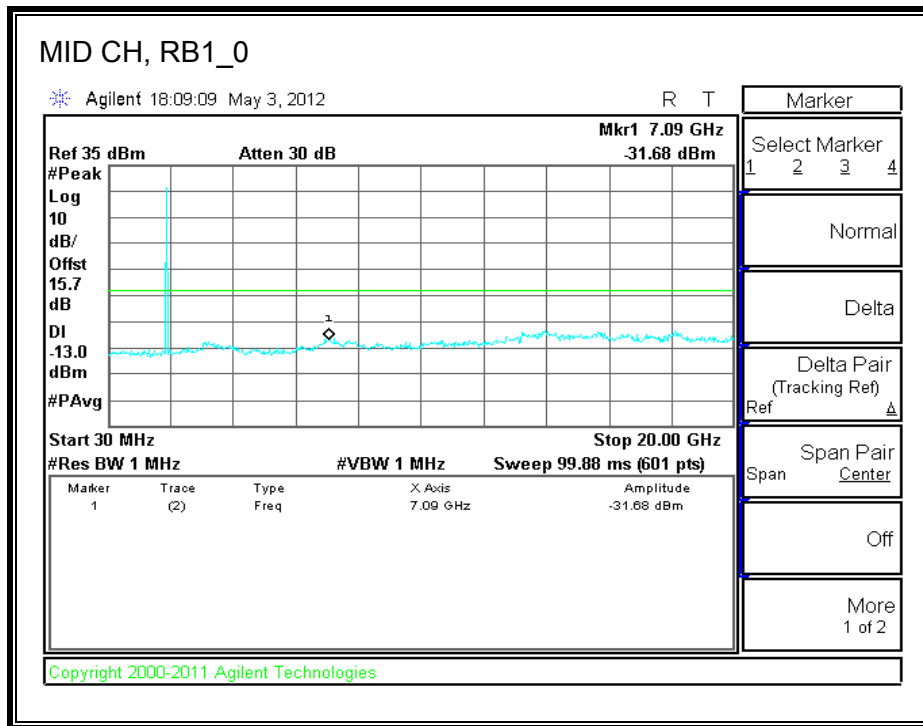


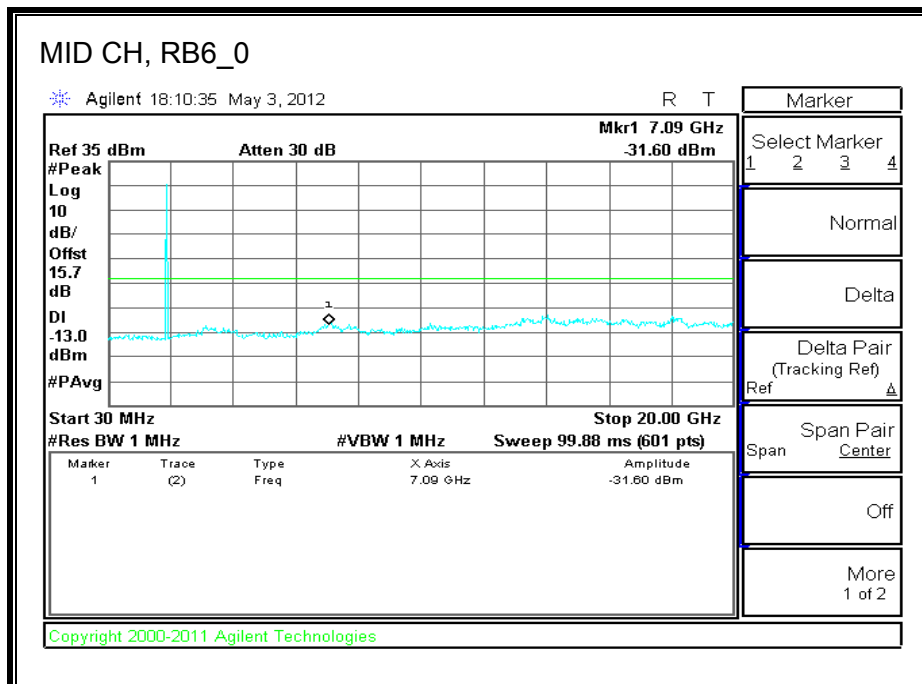
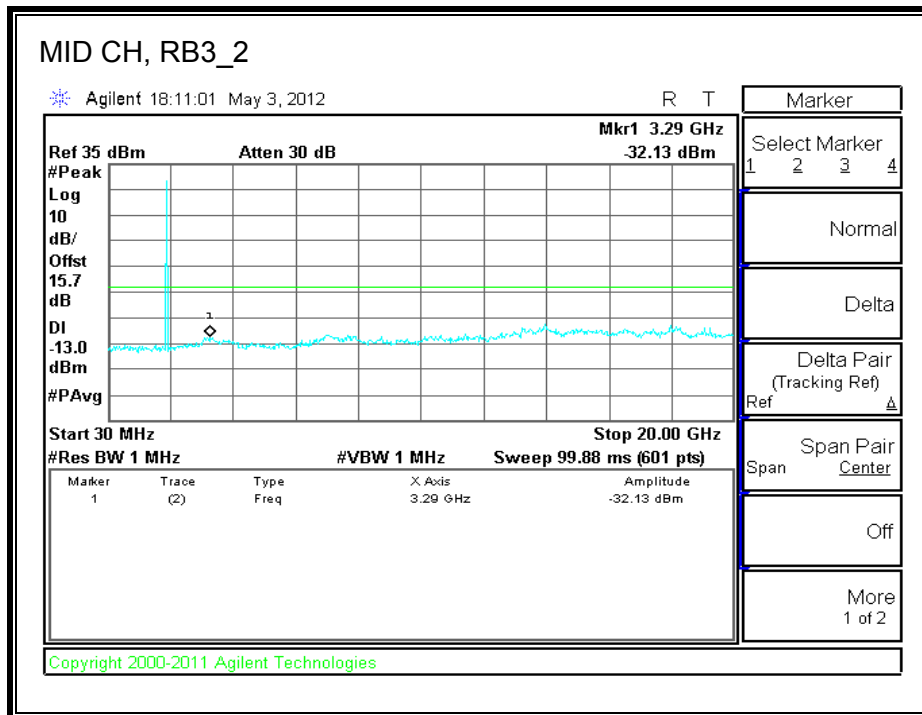


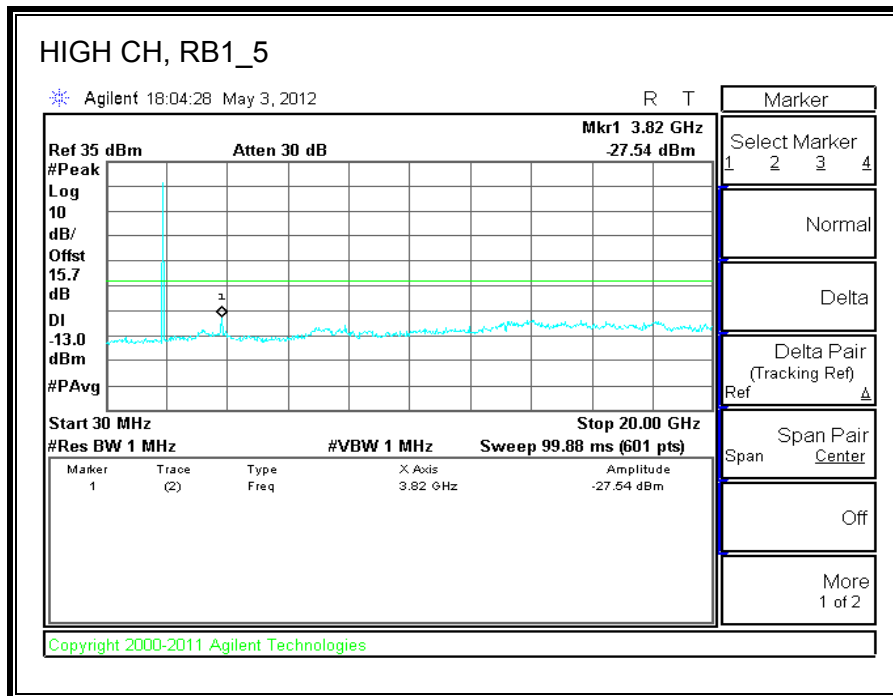
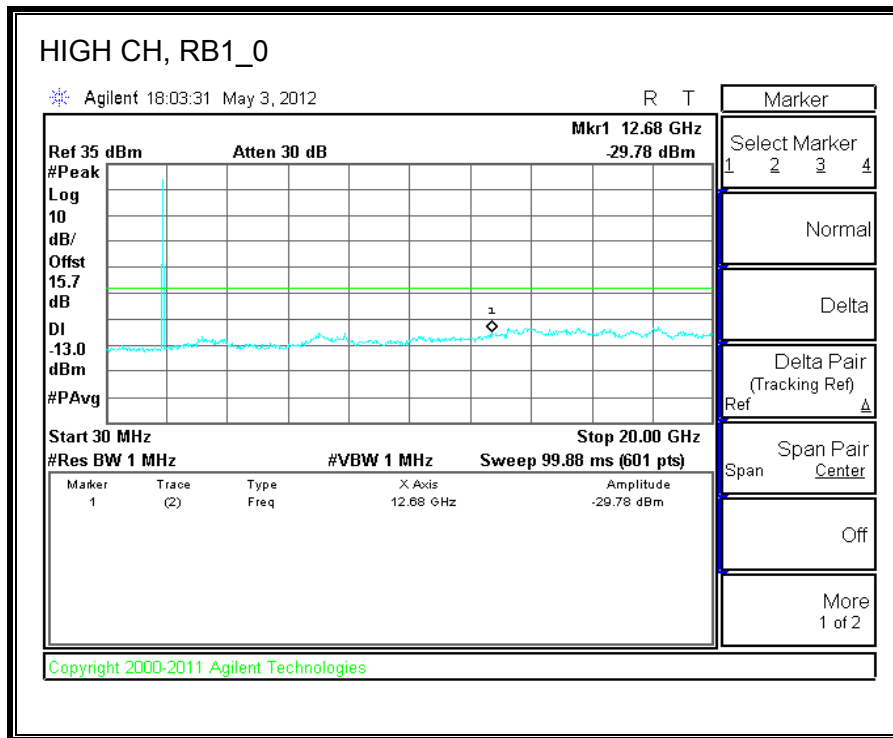
LTE, Band 2 (1.4MHz BAND WIDTH)

QPSK

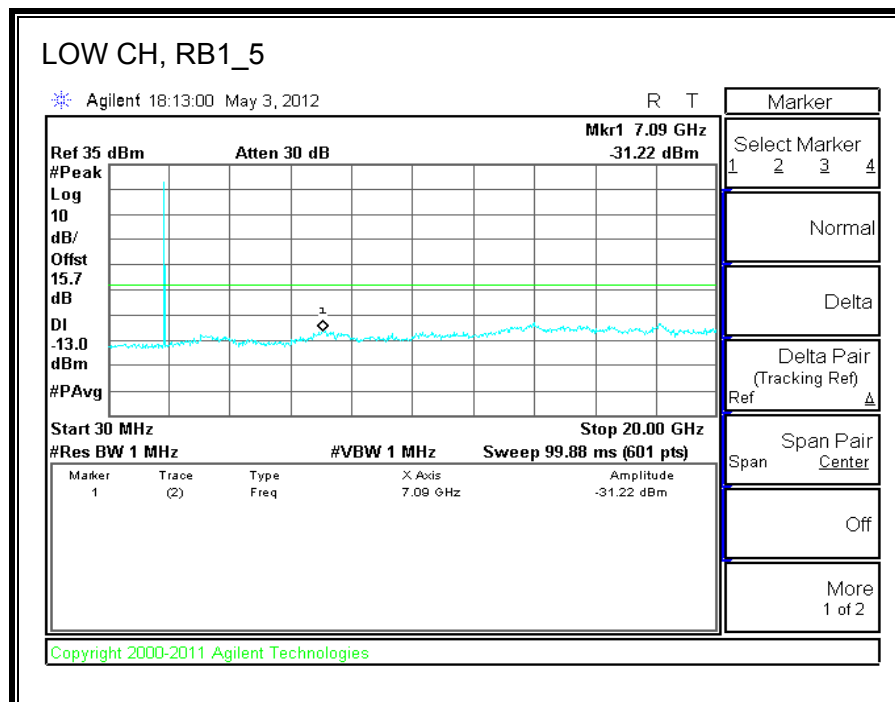
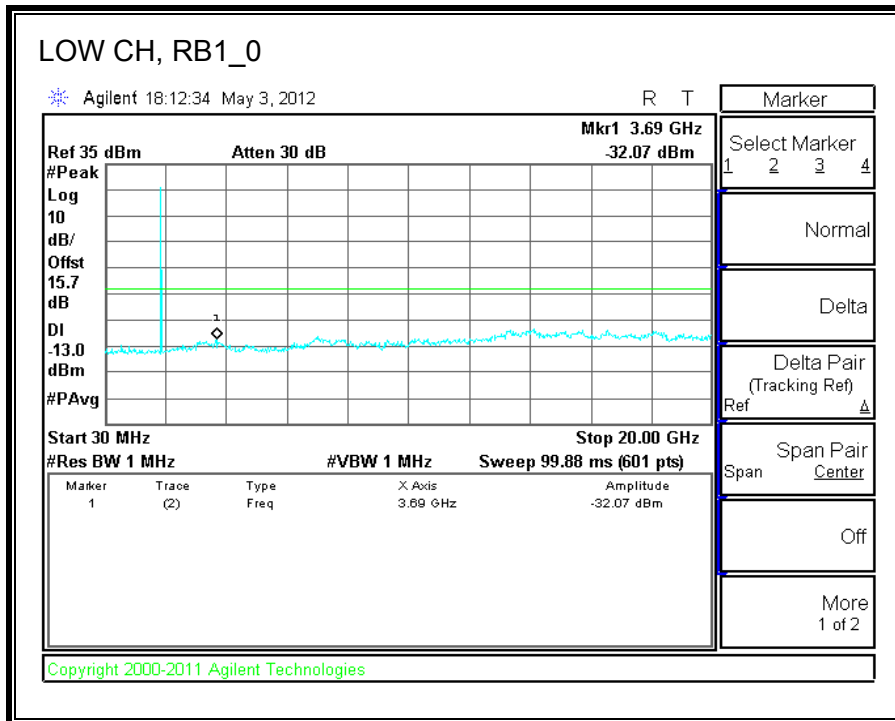


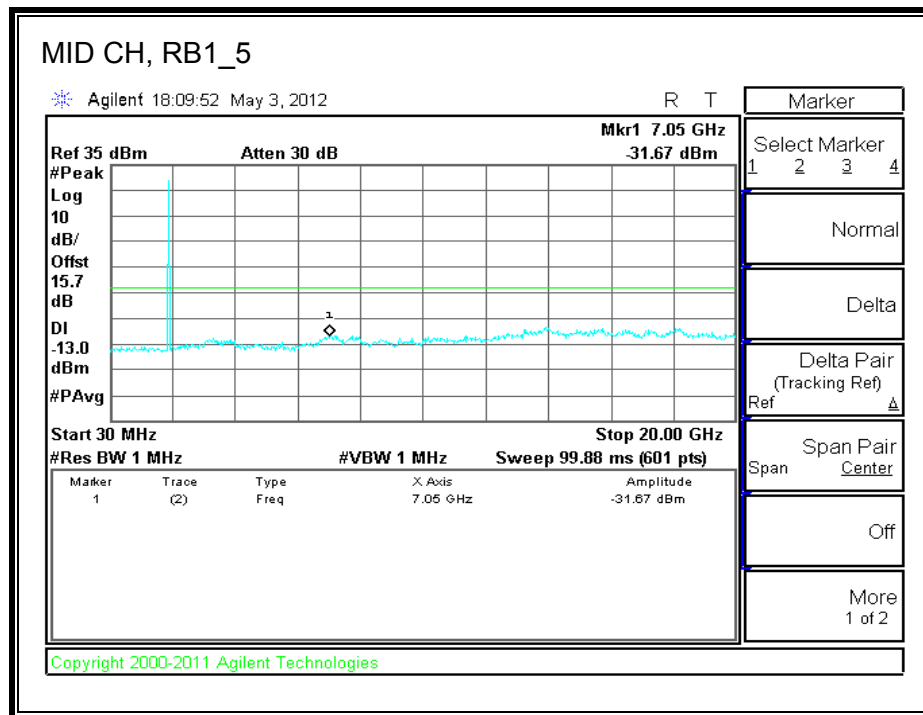
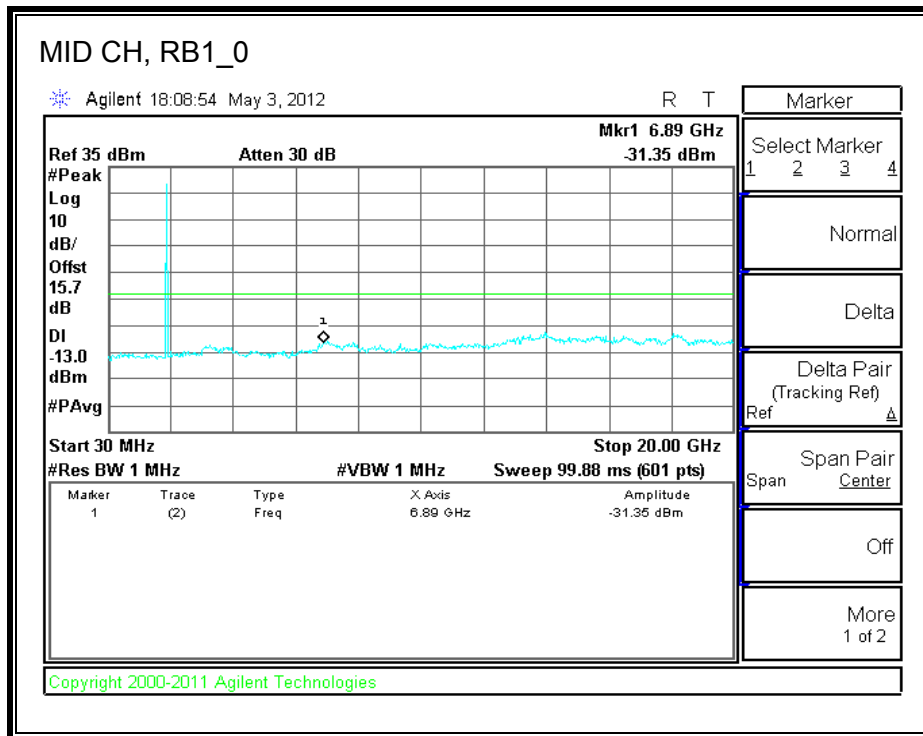


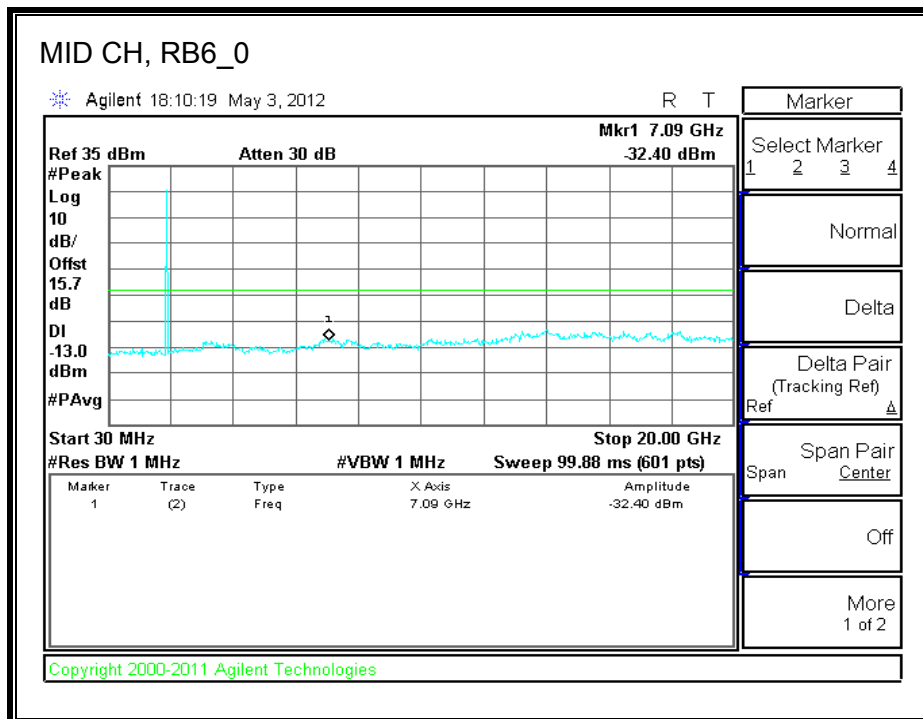
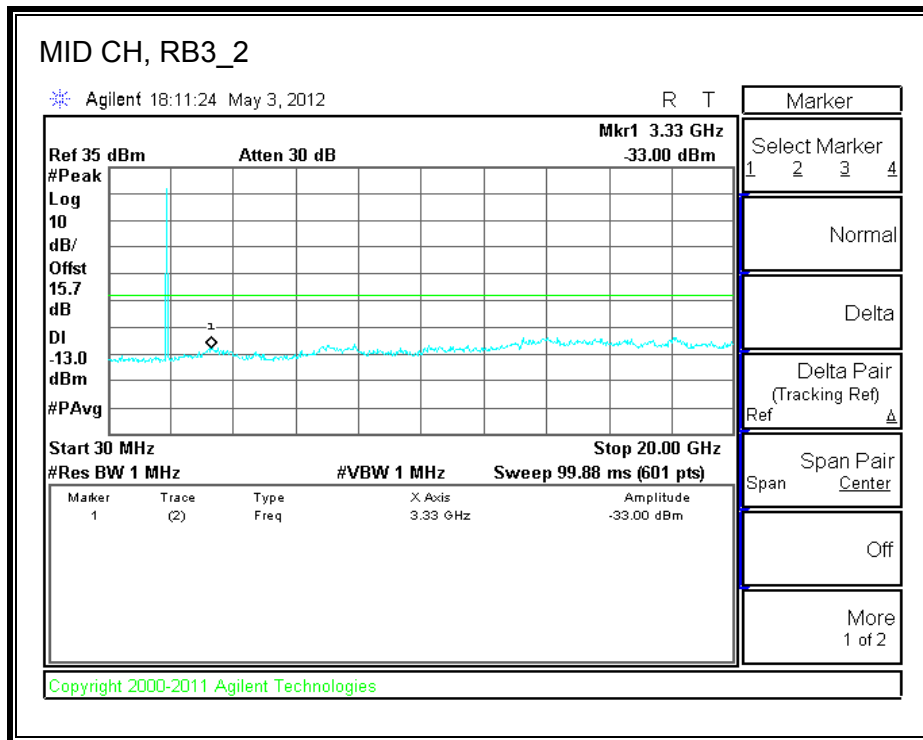


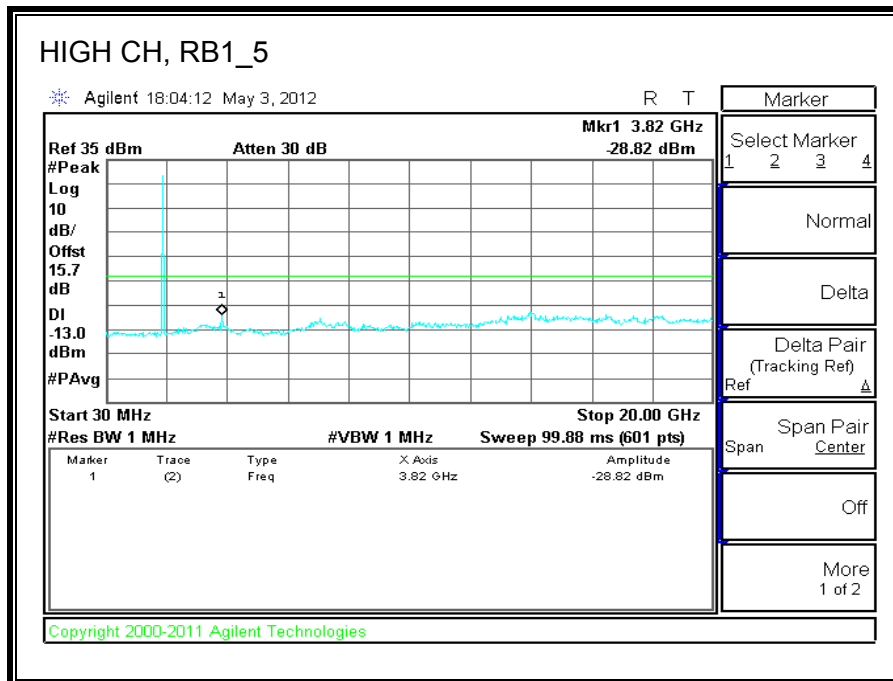
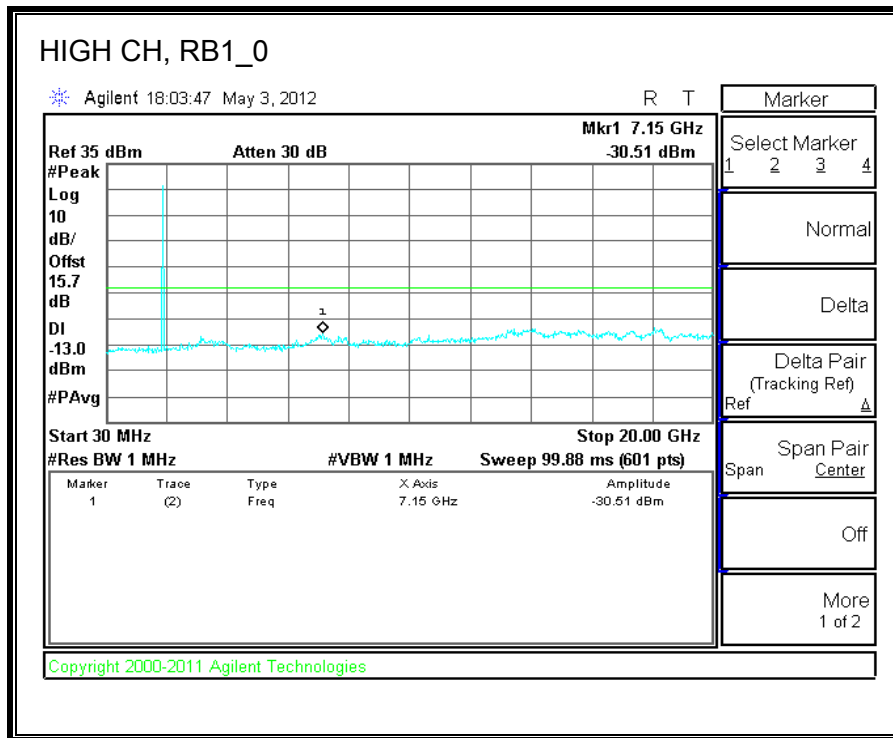


16QAM



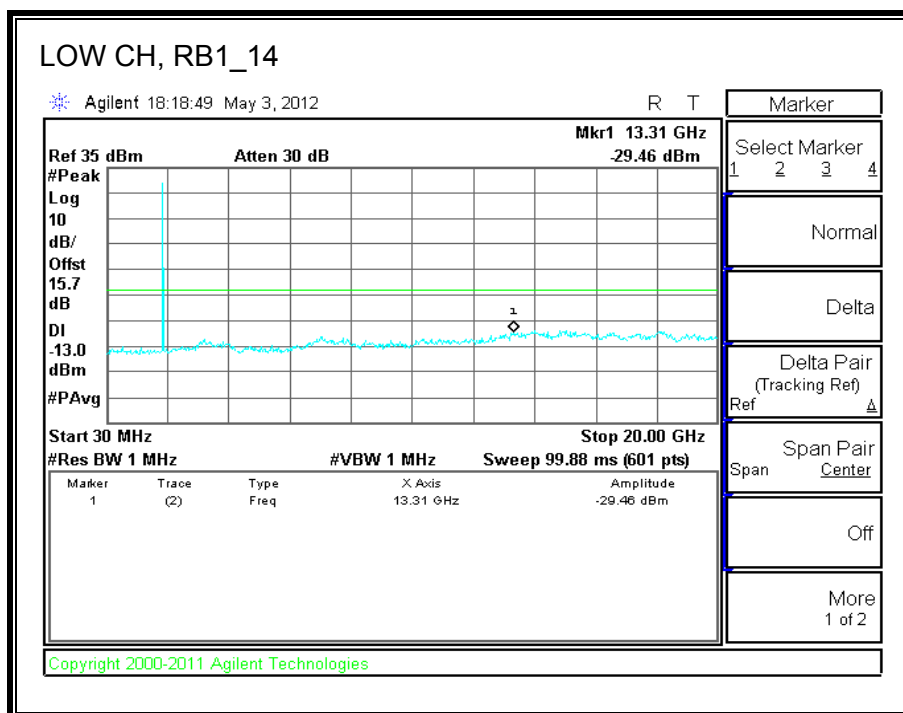
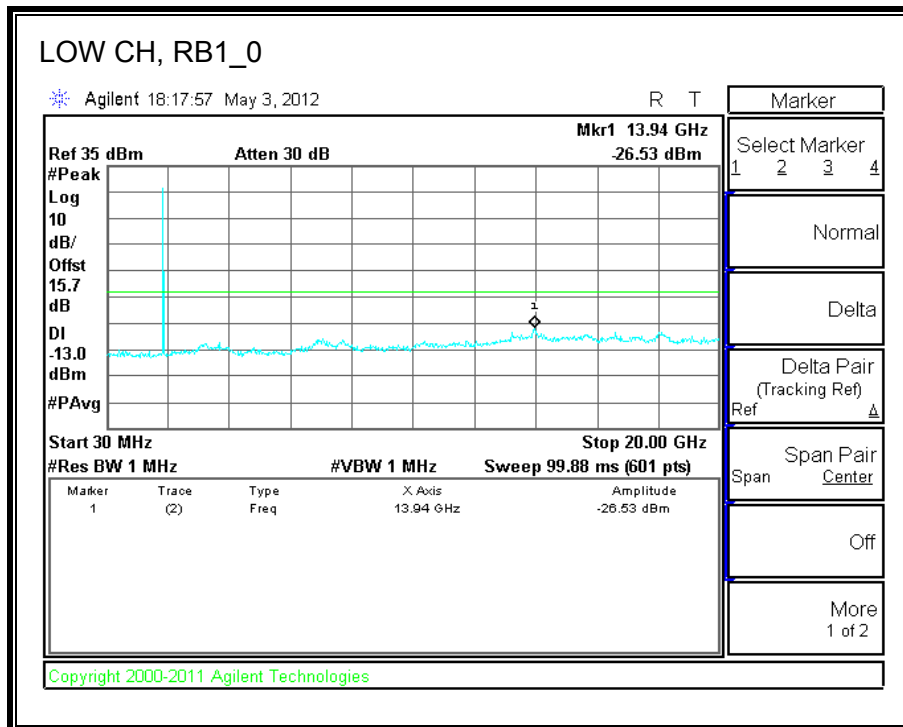


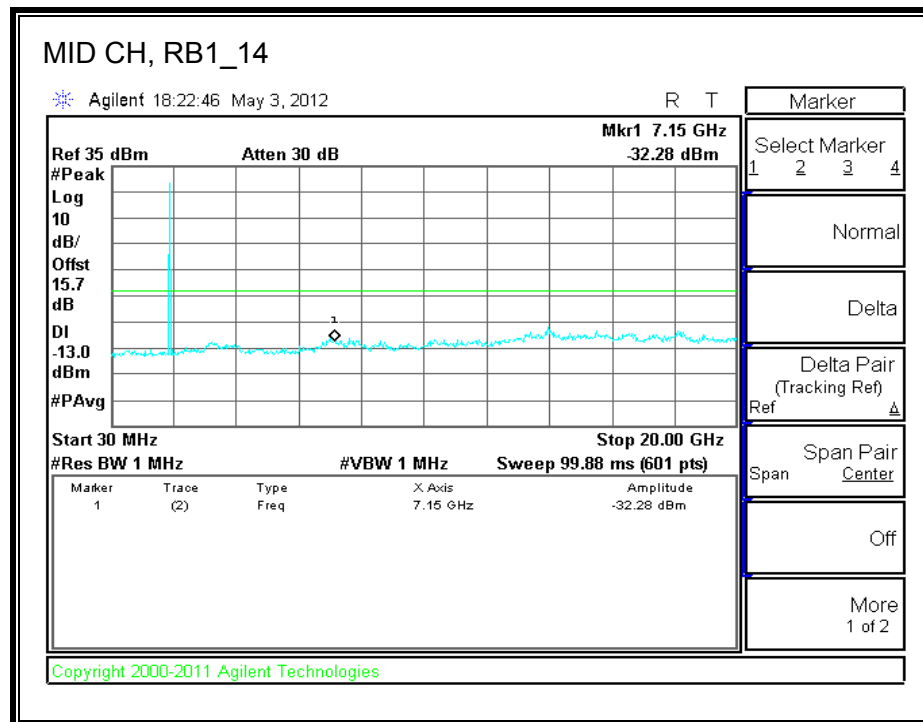
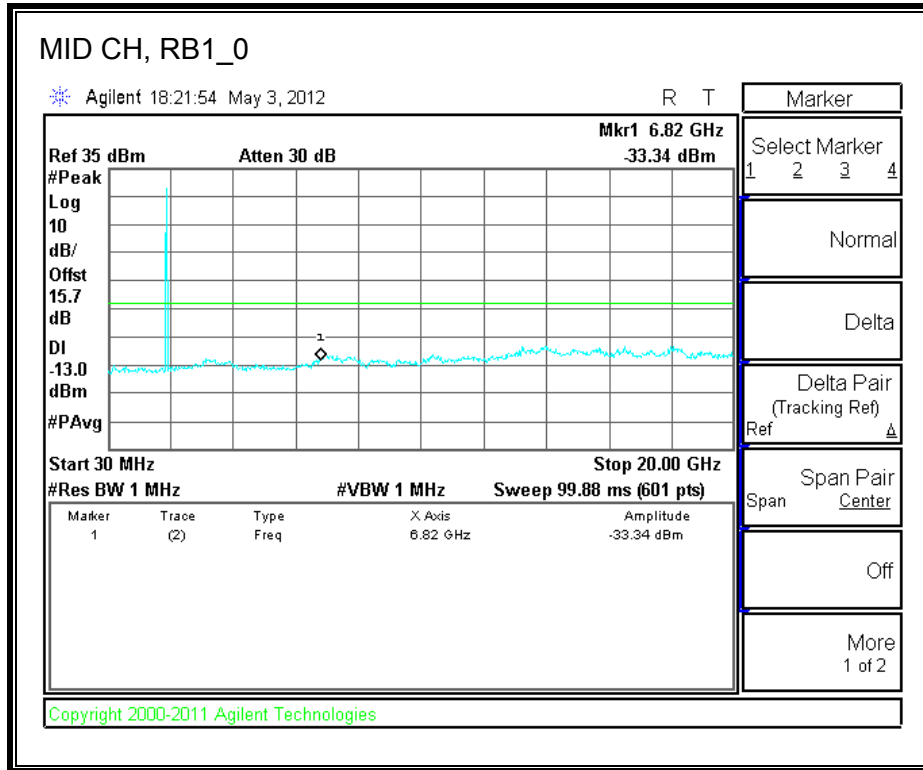


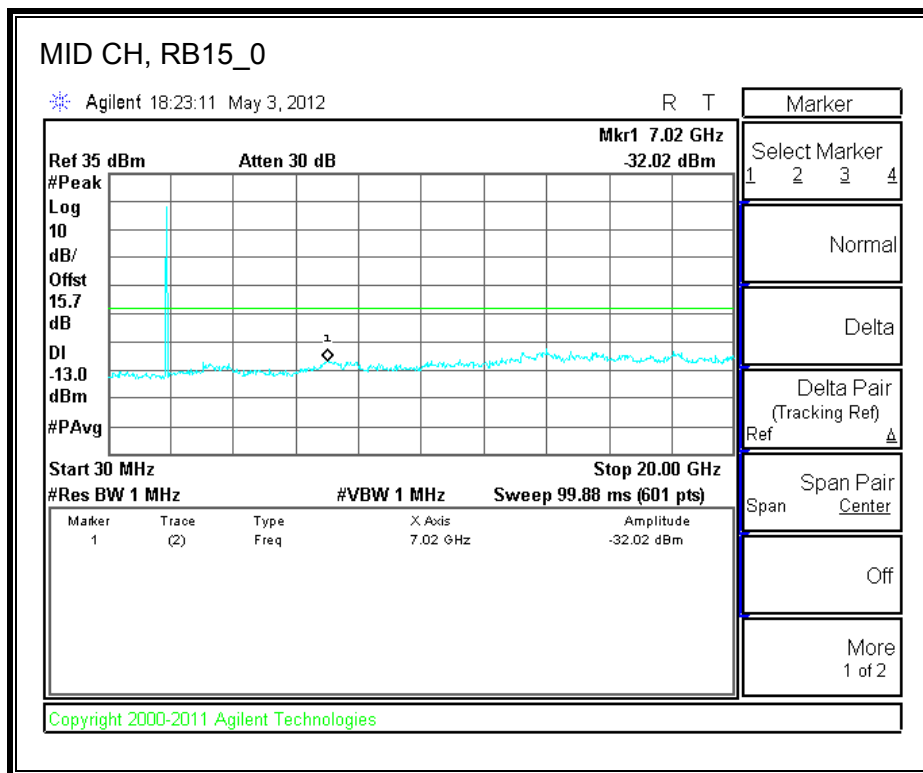
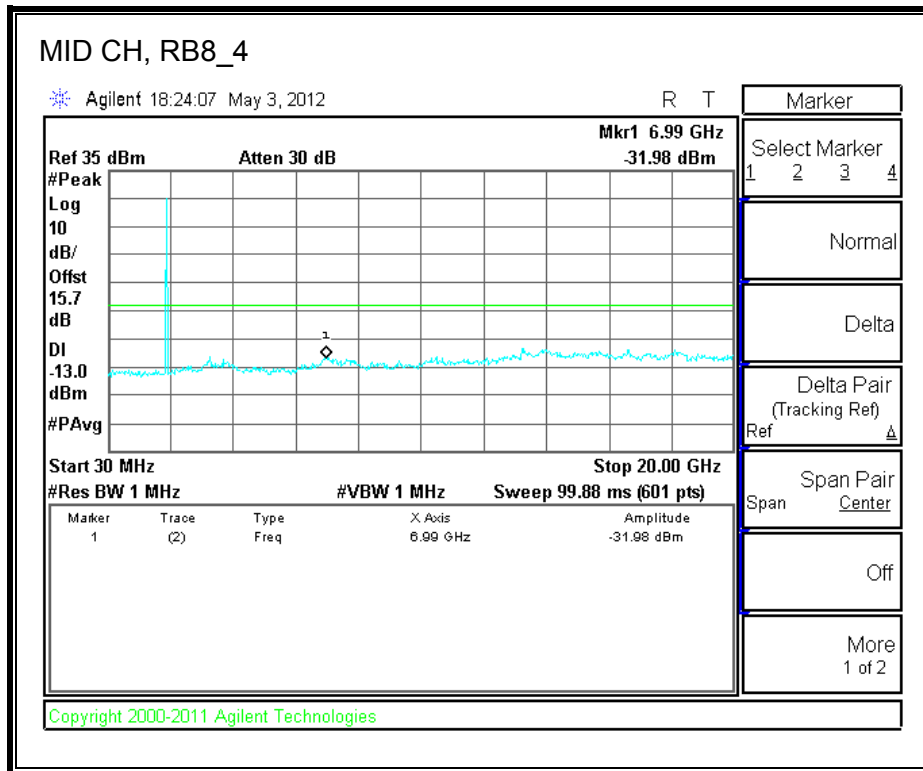


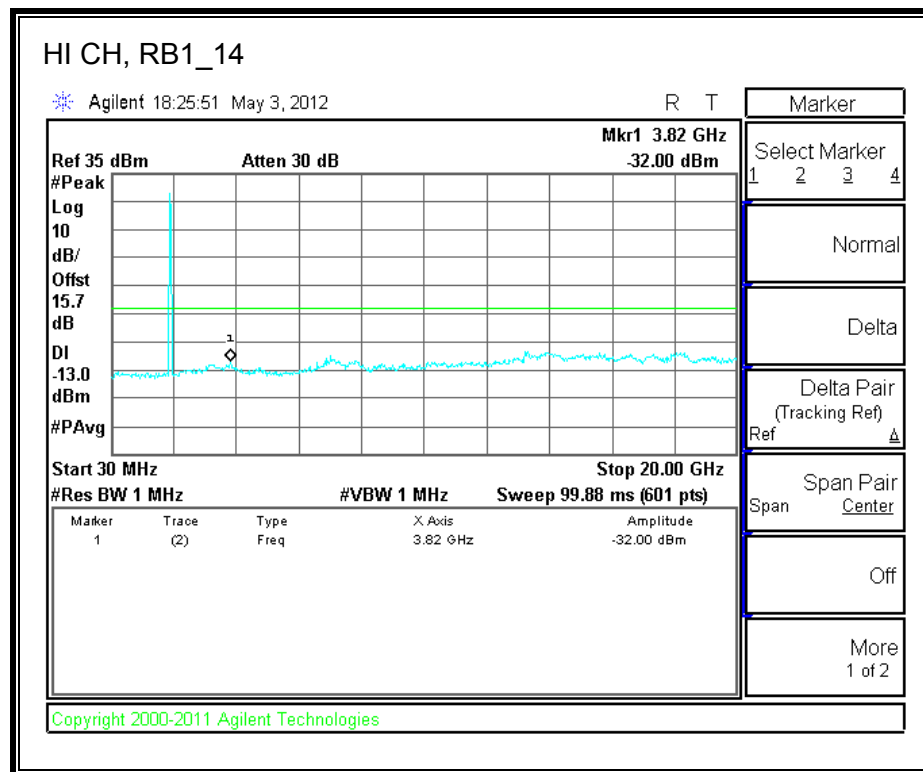
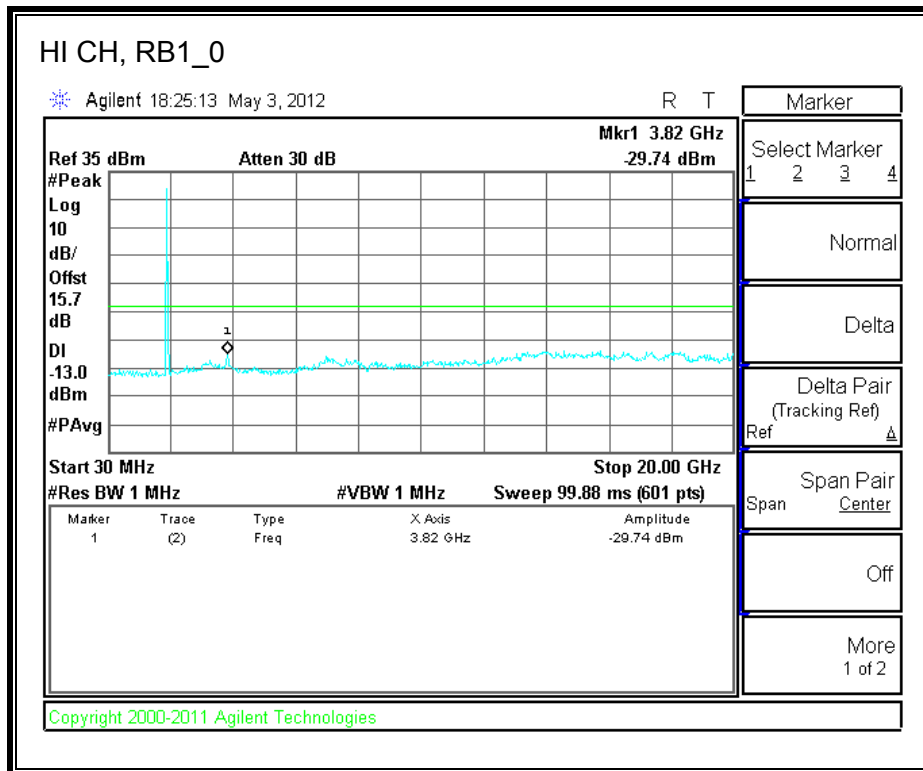
LTE, Band 2 (3.0MHz BAND WIDTH)

QPSK

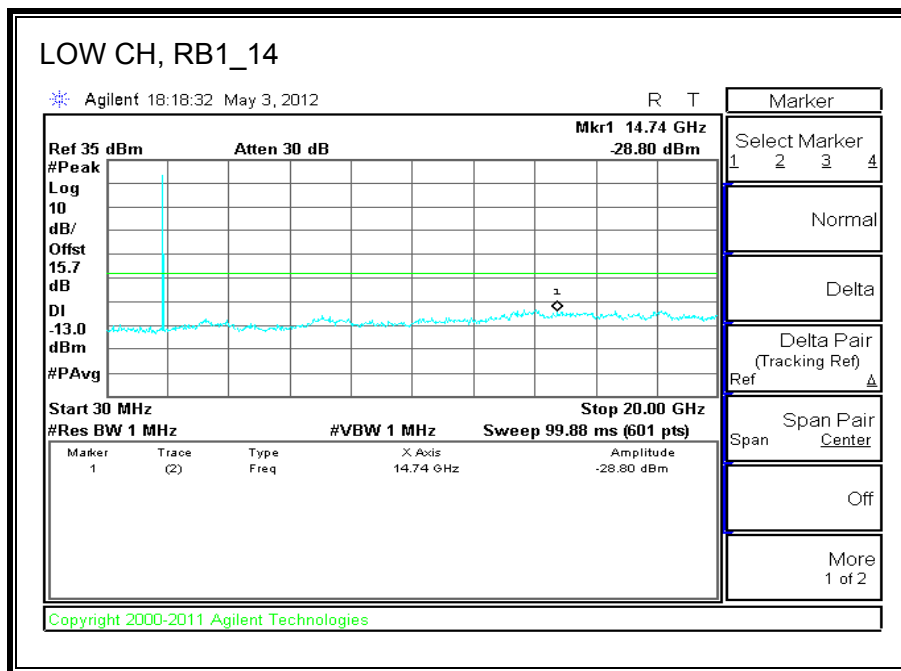
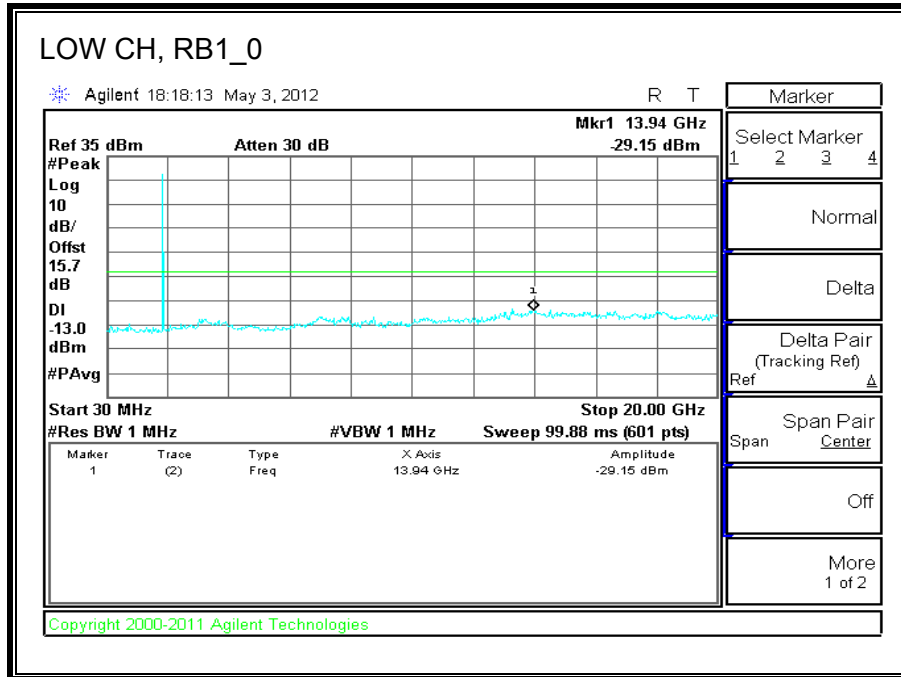


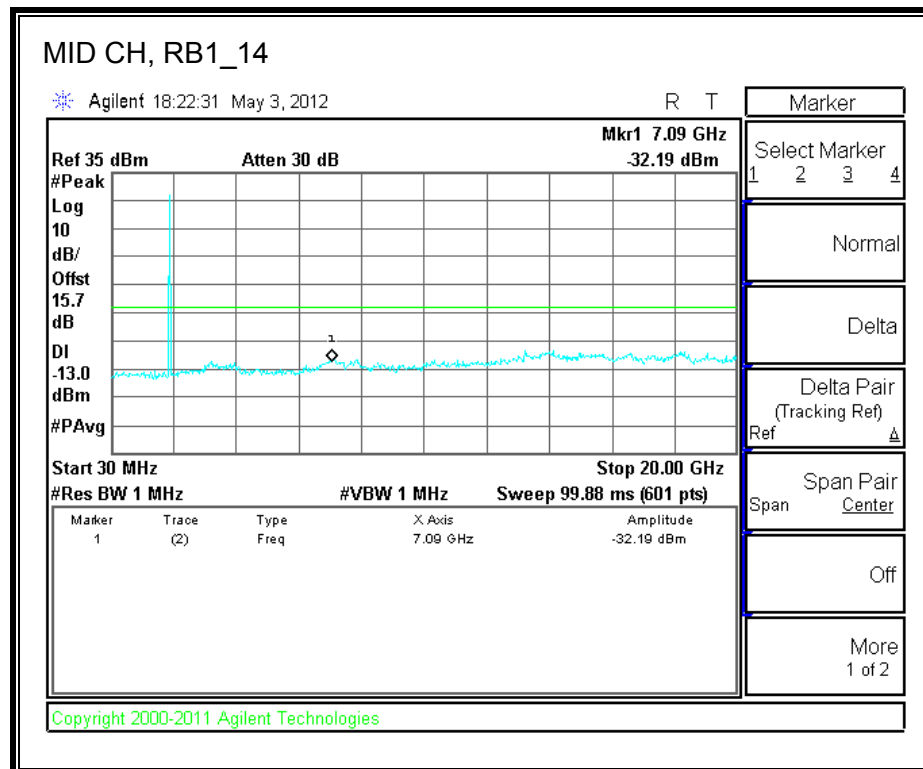
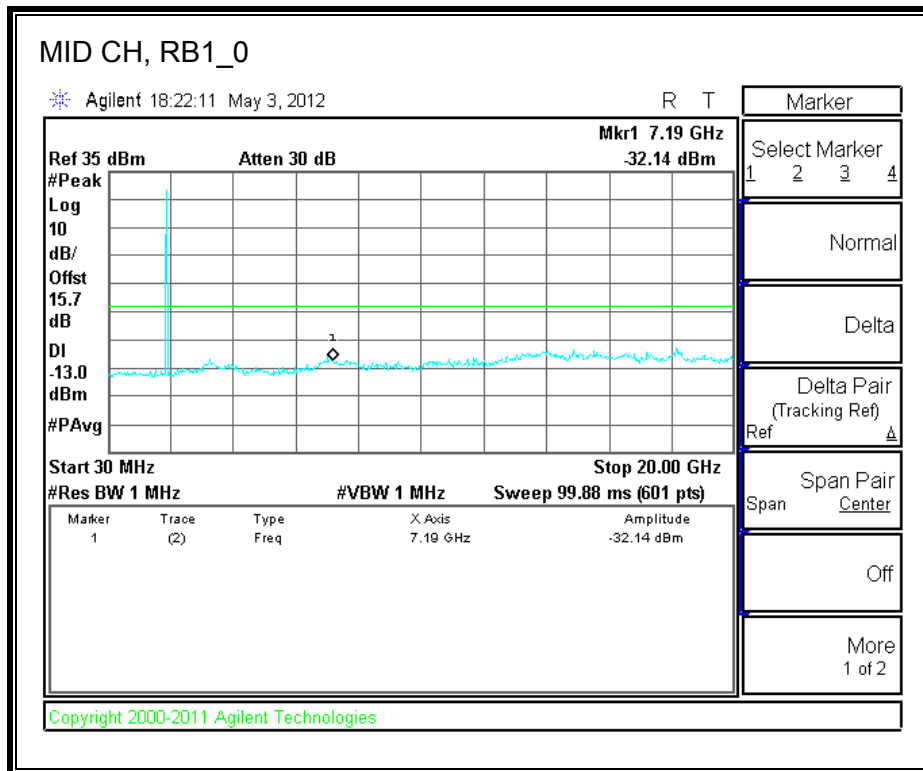


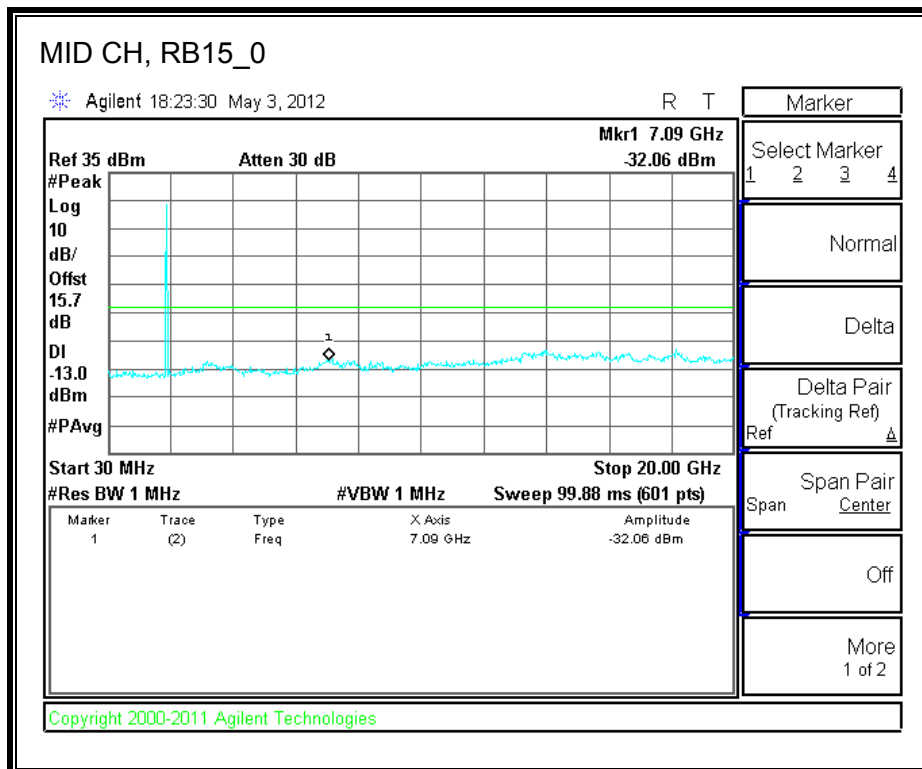
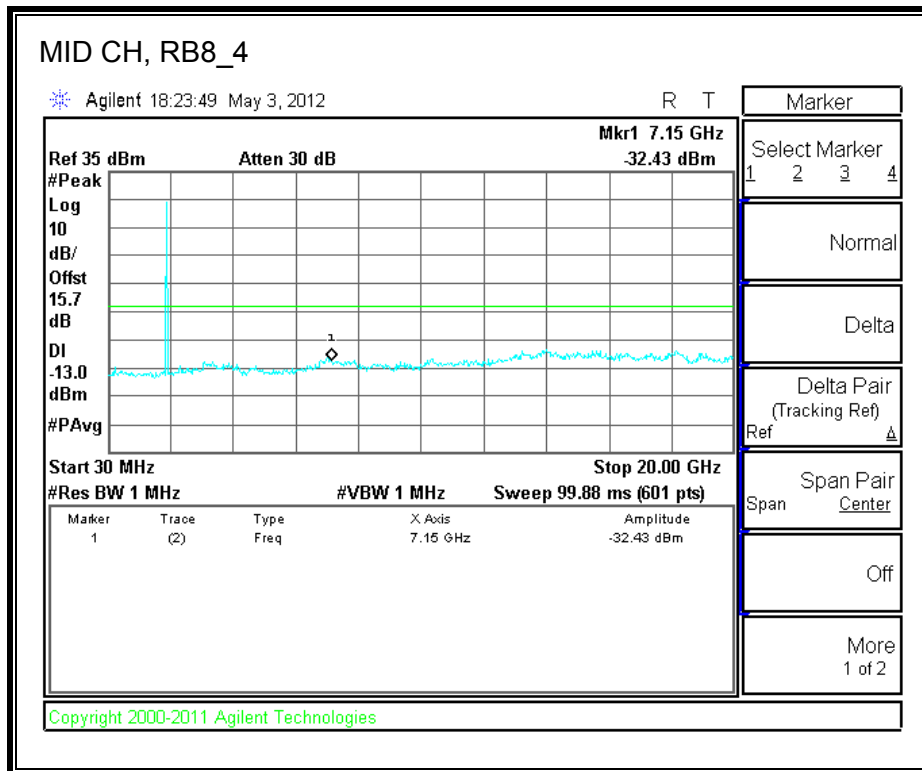


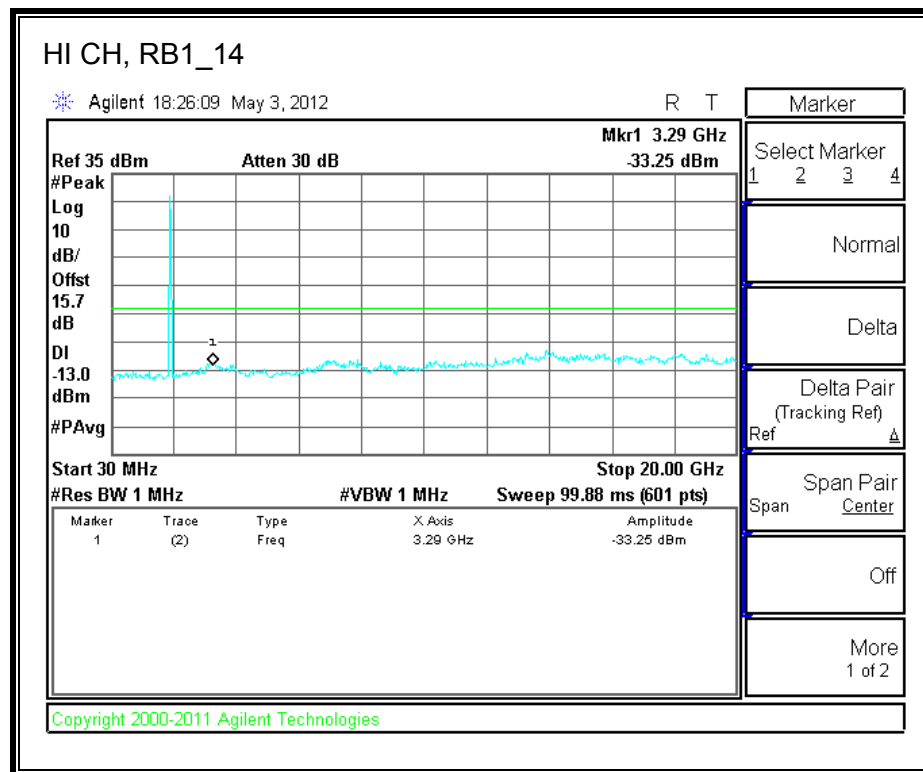
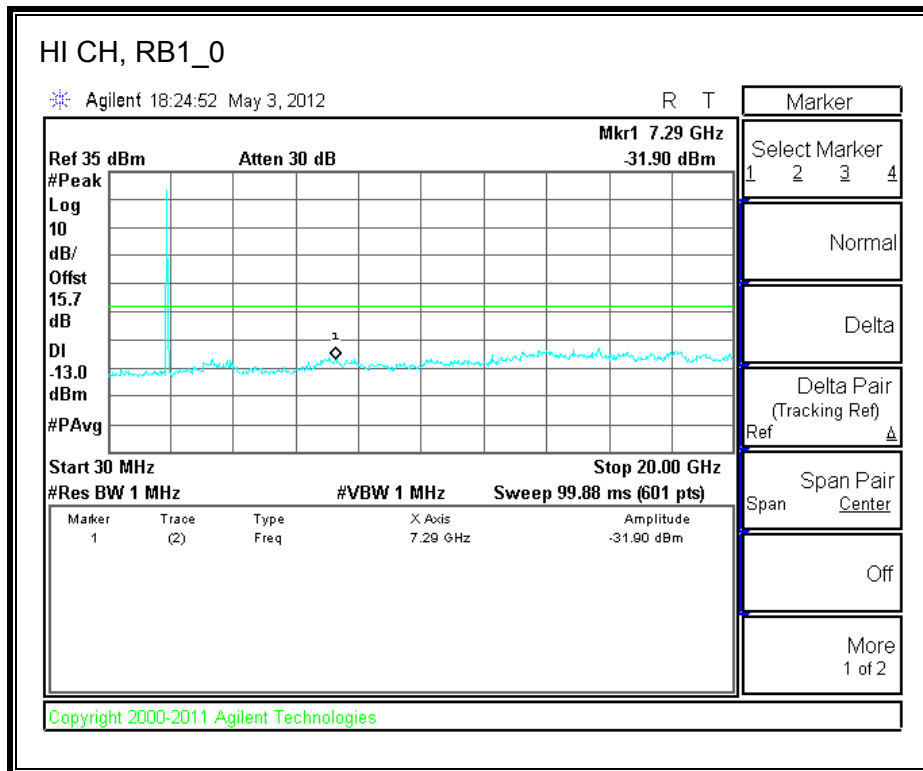


16QAM



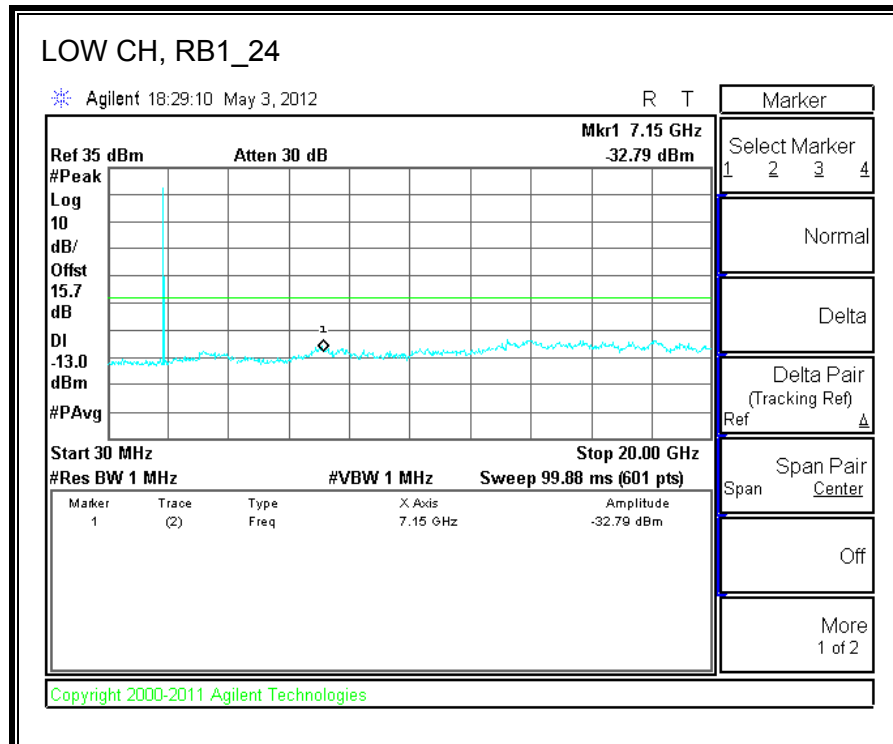
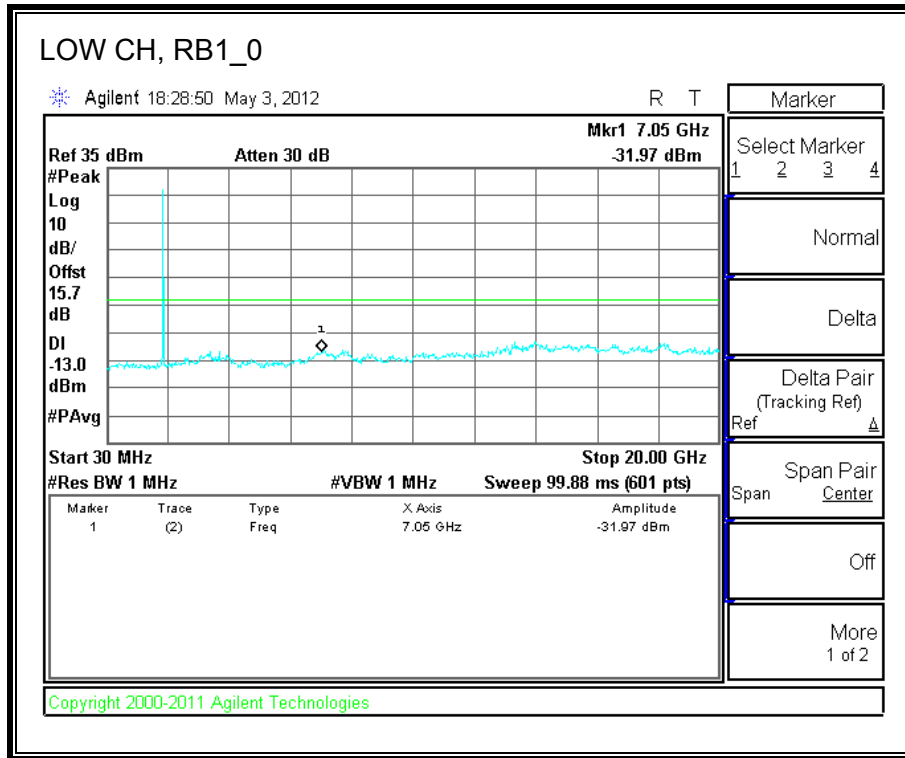


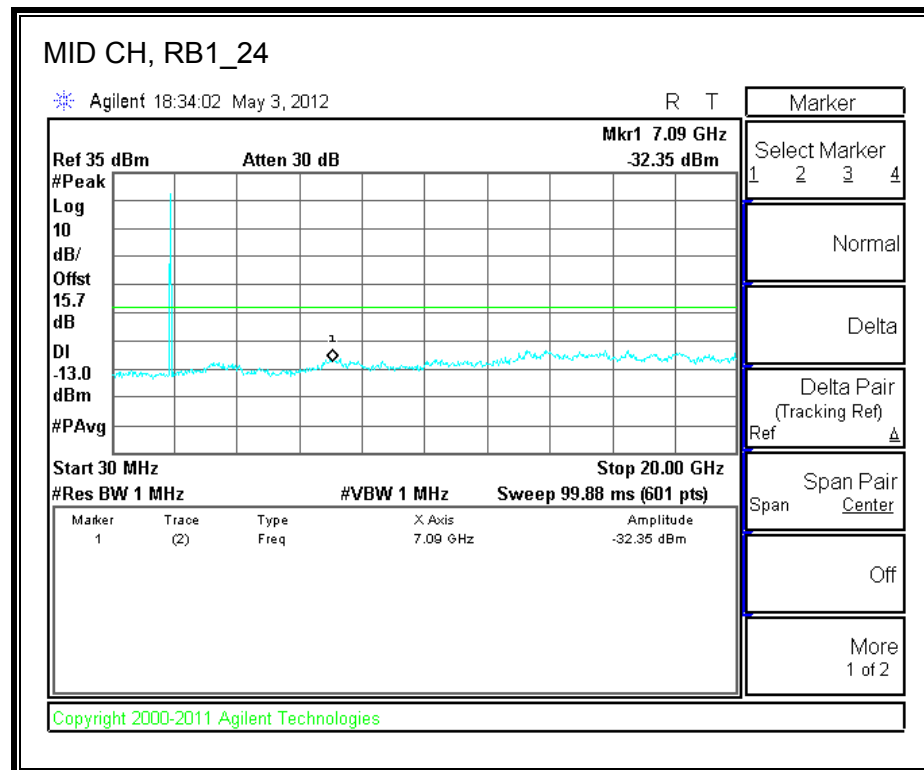
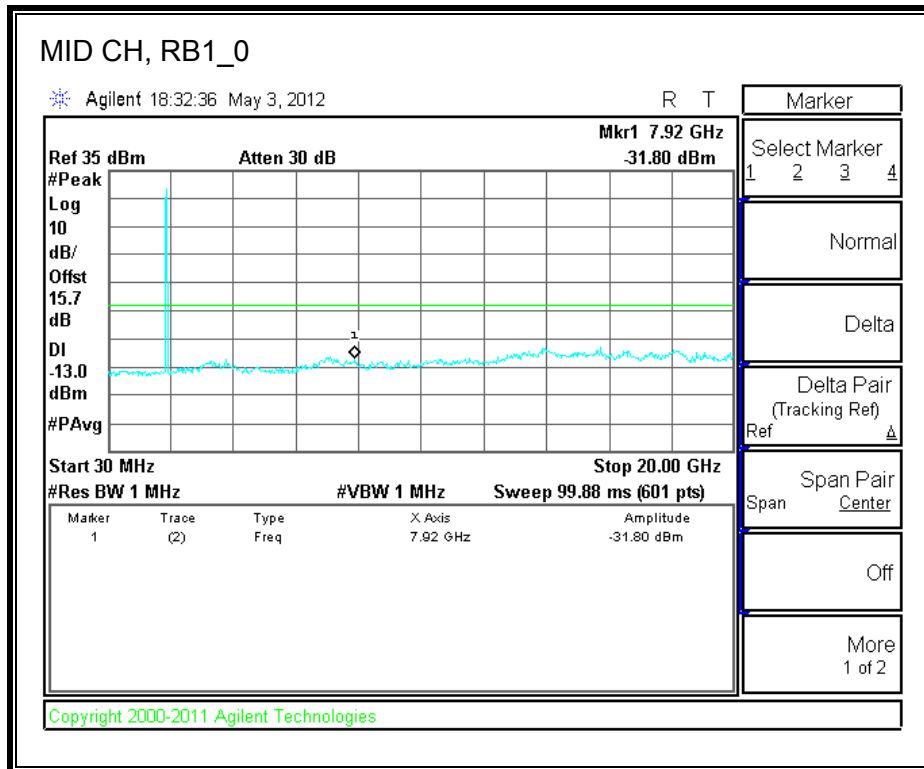


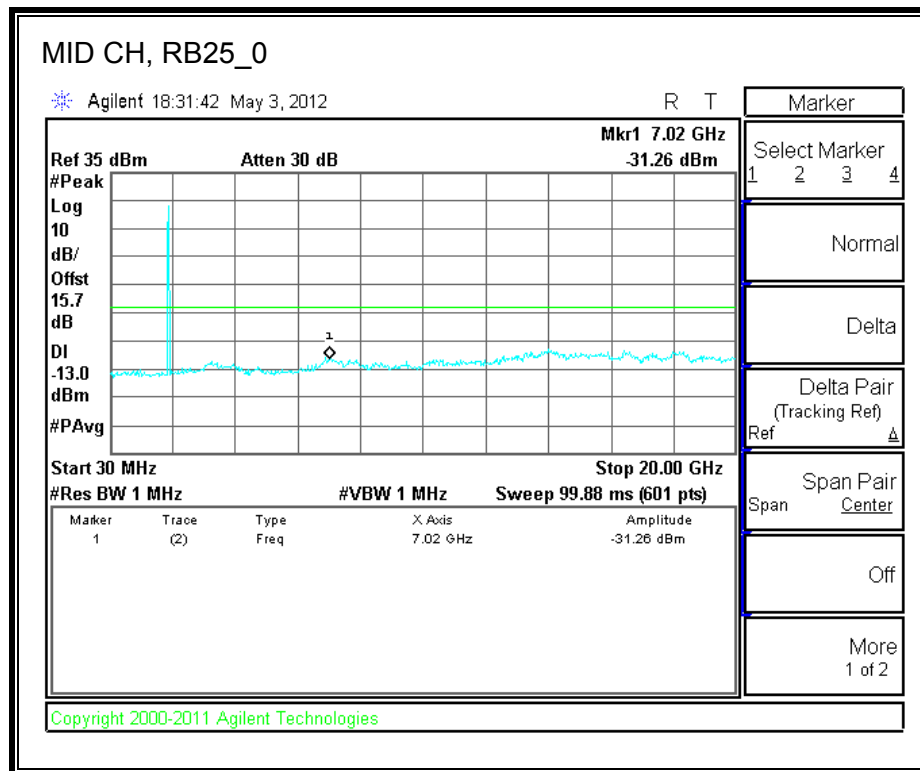
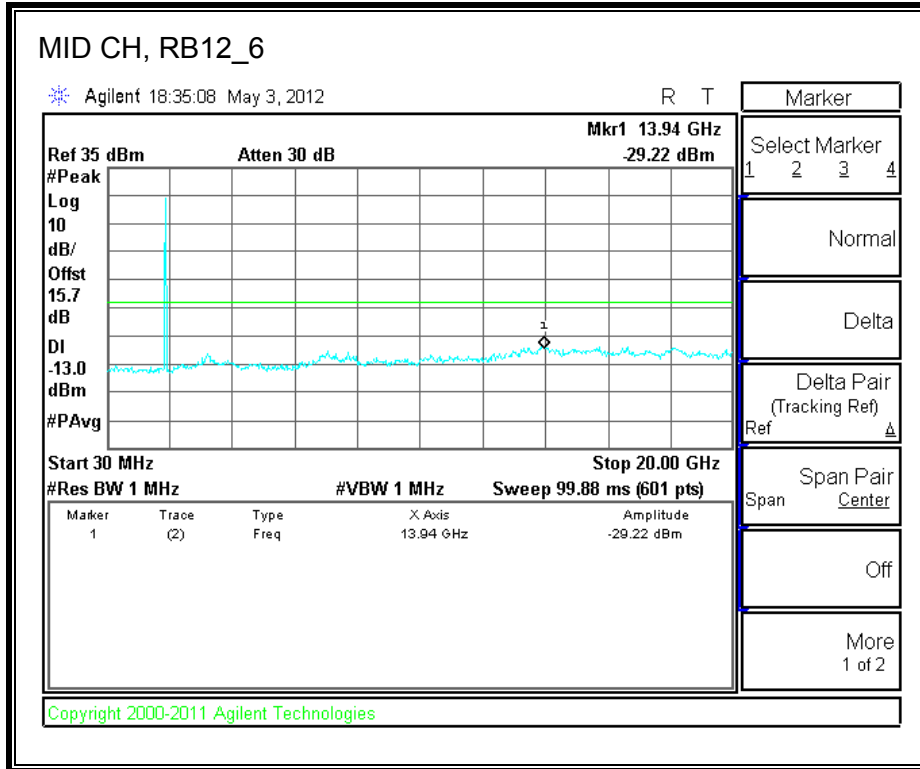


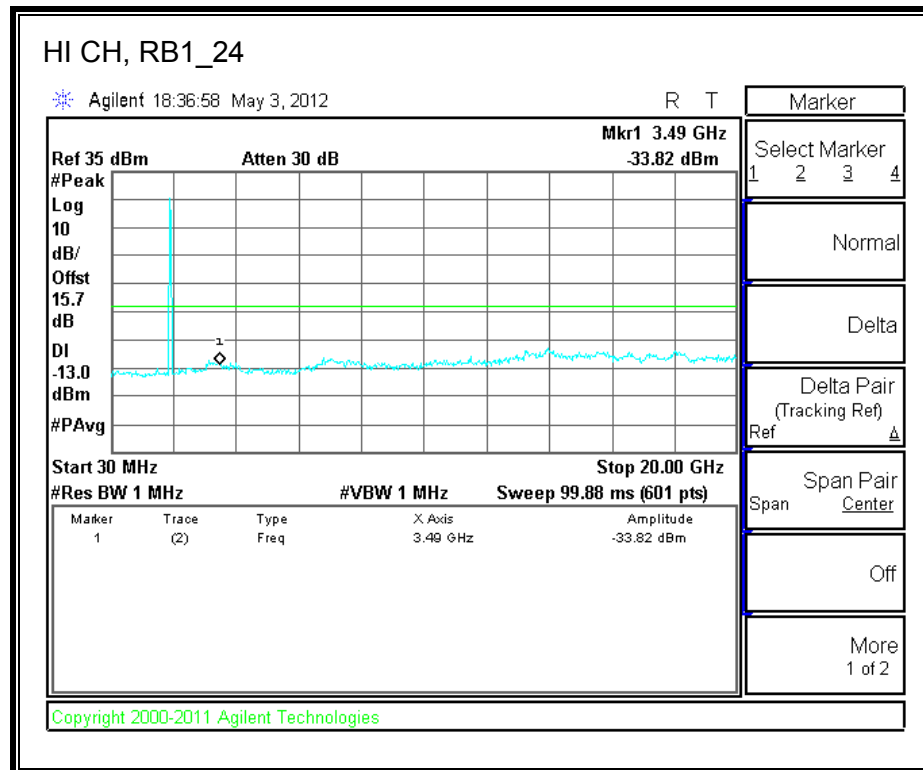
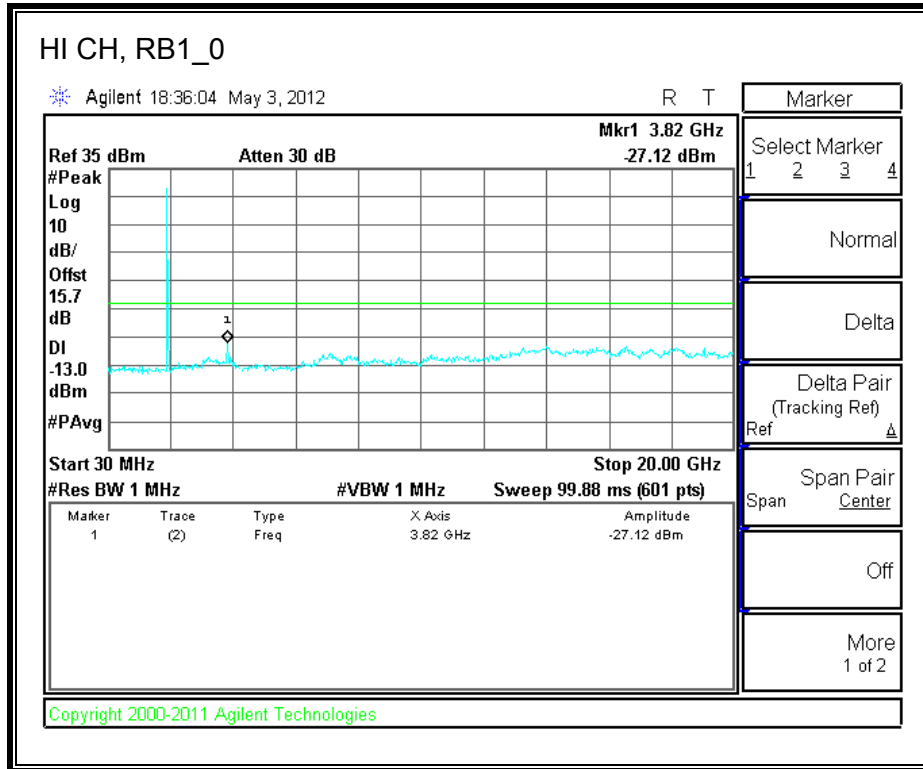
LTE, Band 2 (5.0MHz BAND WIDTH)

QPSK









16QAM

