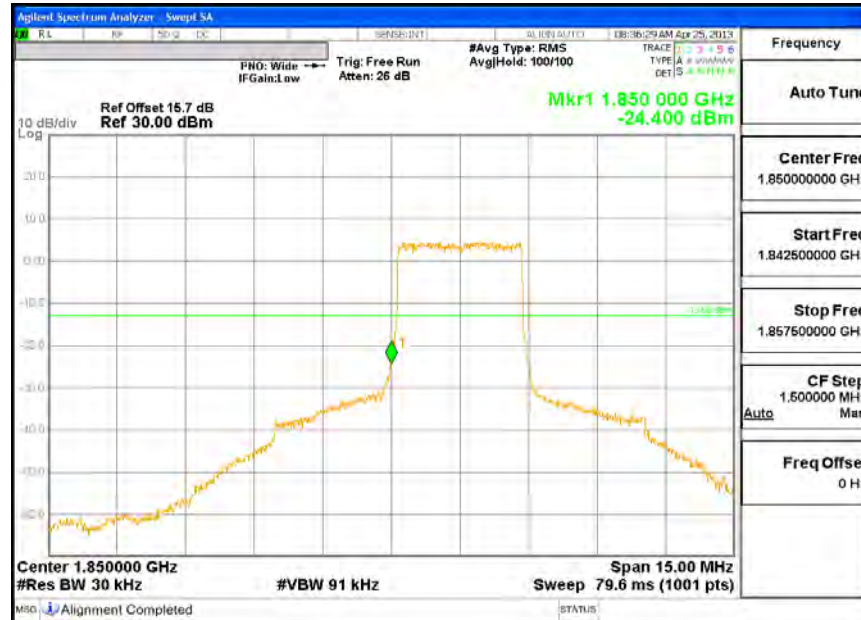
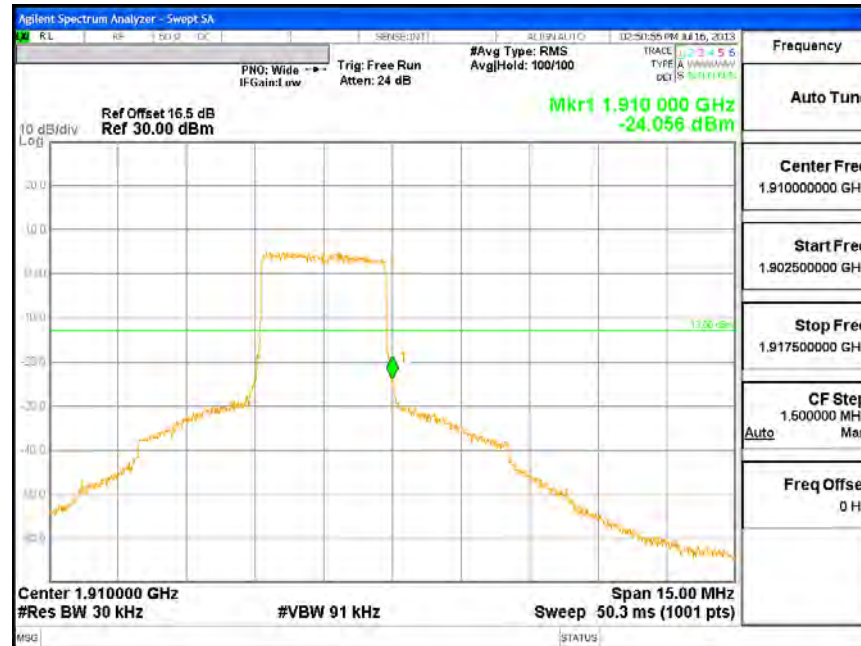


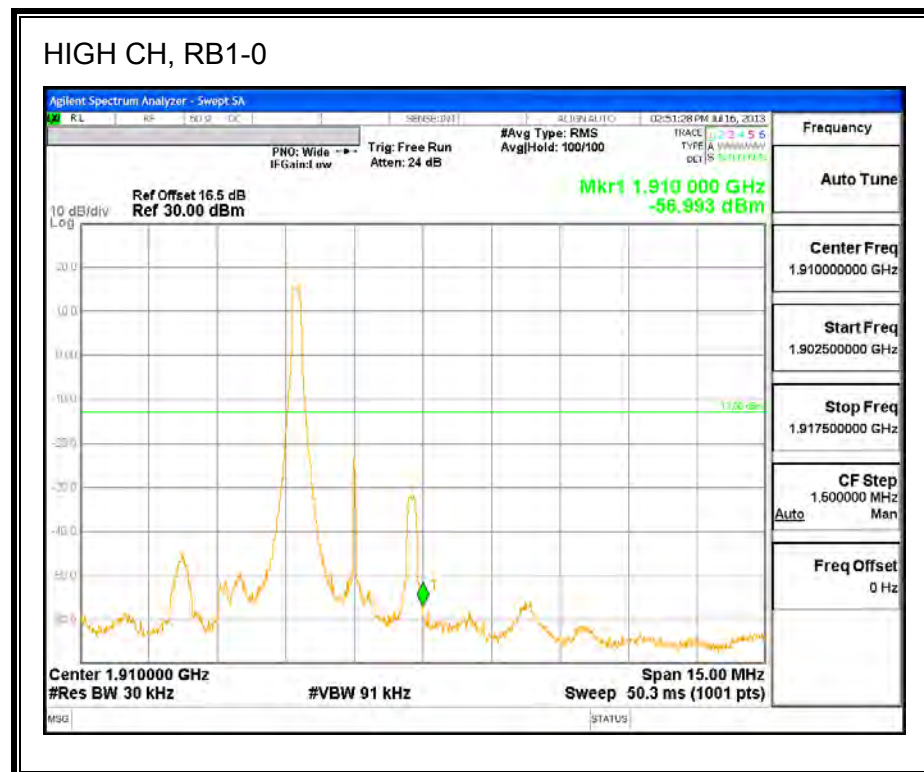
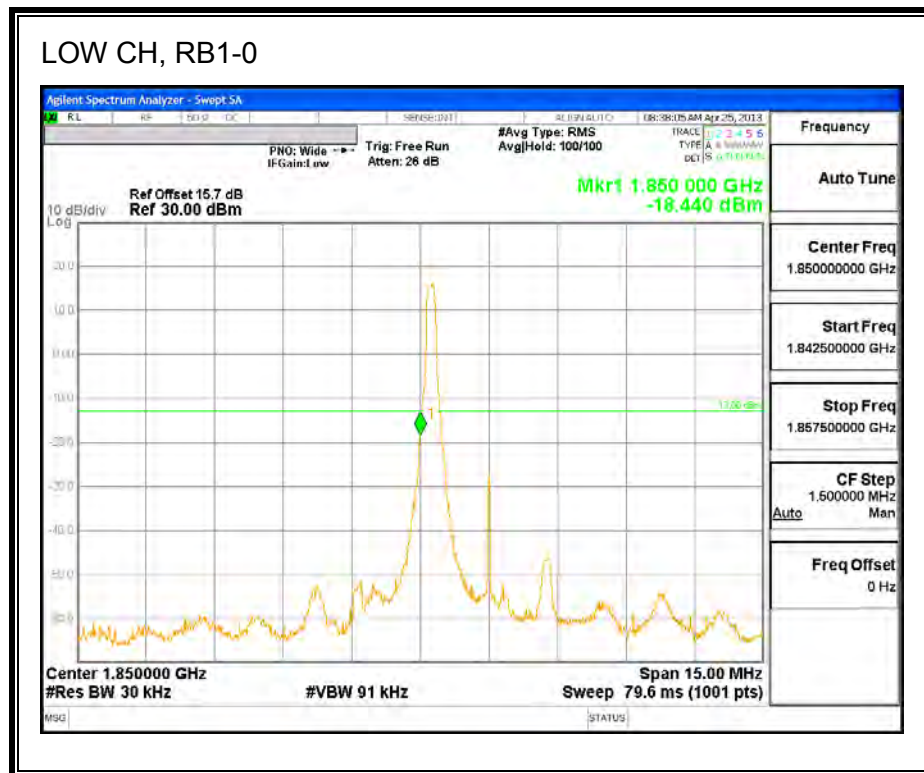
LOW CH, RB15-0



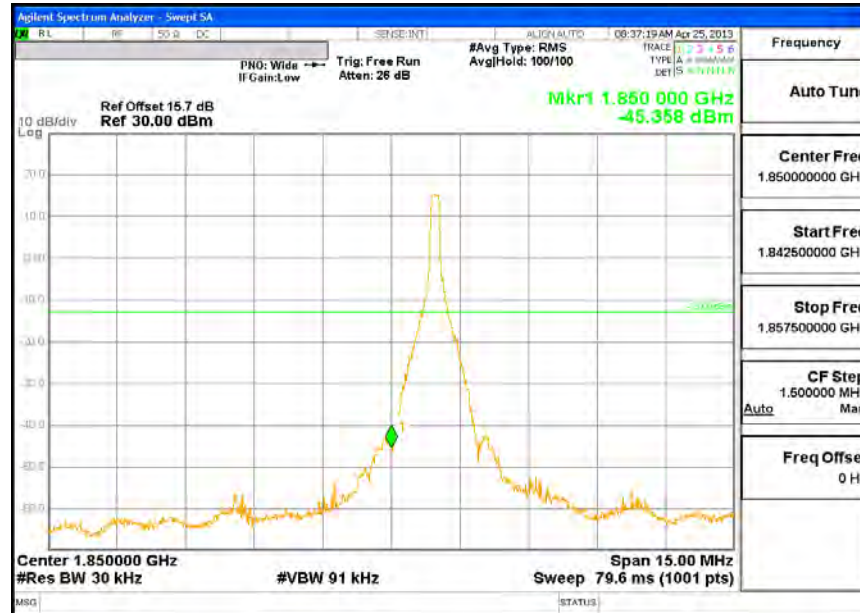
HIGH CH, RB15-0



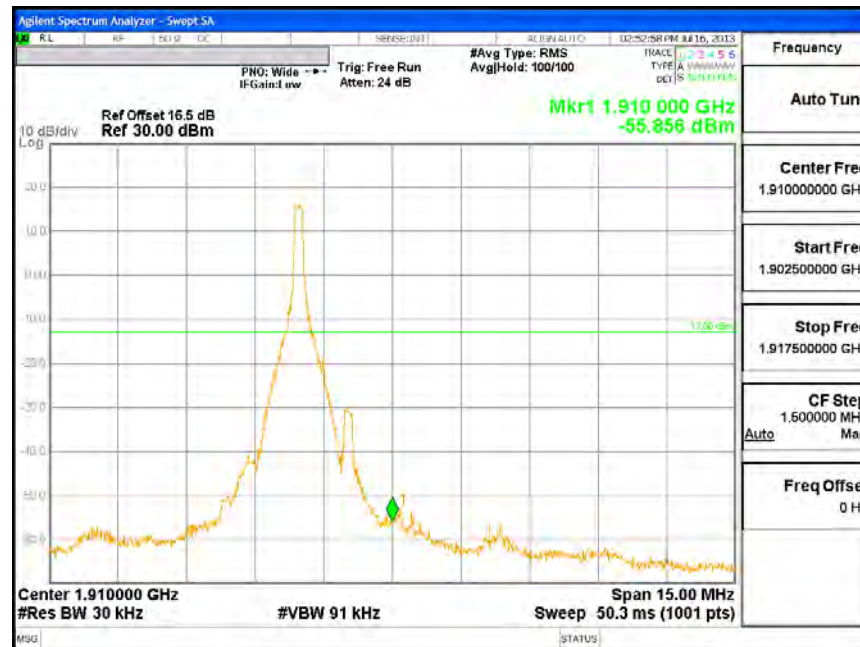
16QAM Band 2 (3 MHz BANDWIDTH)

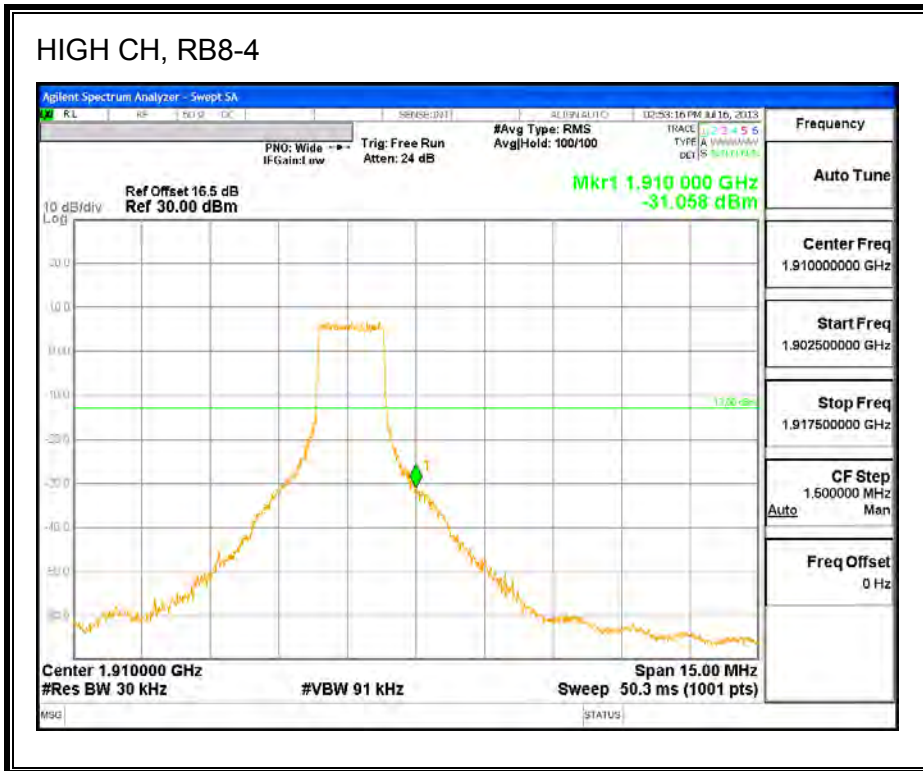


LOW CH, RB1-14

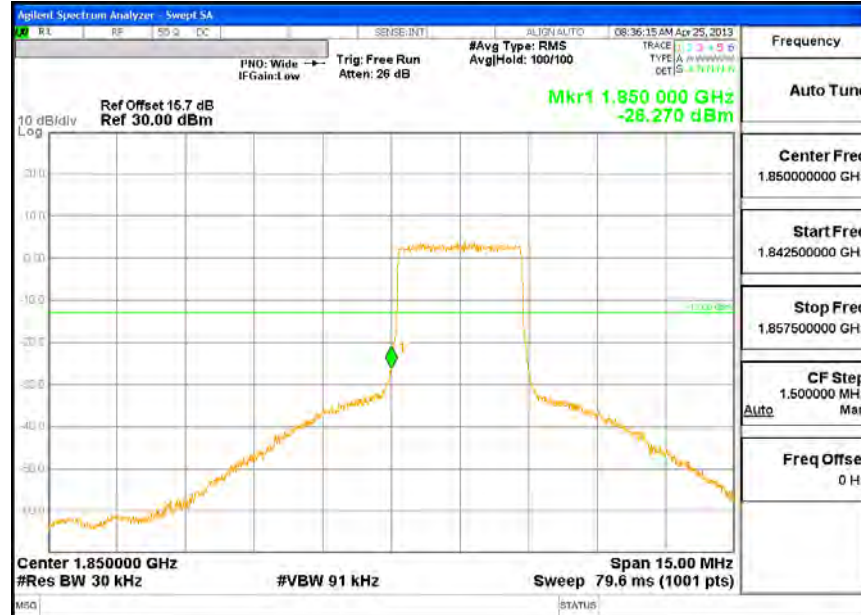


HIGH CH, RB1-14

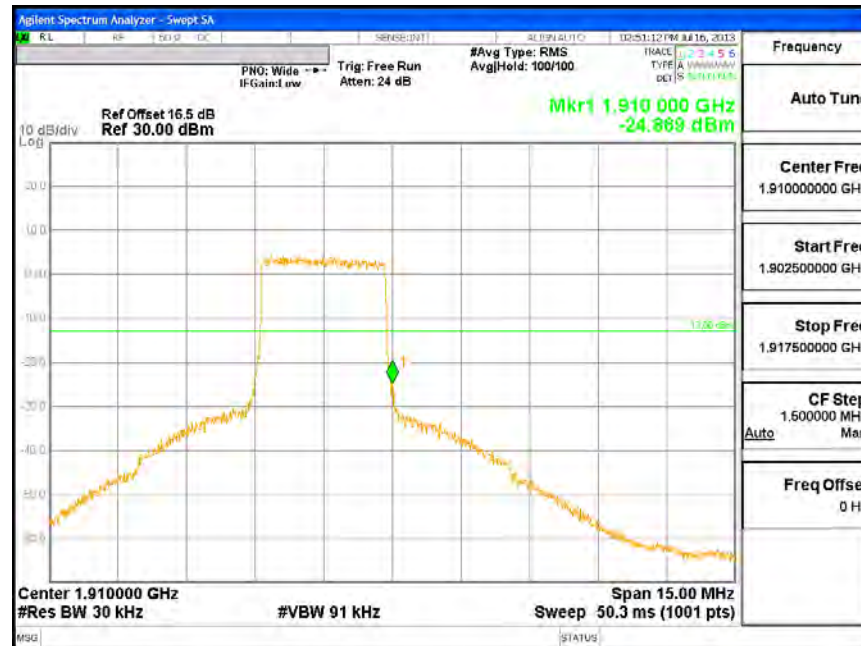




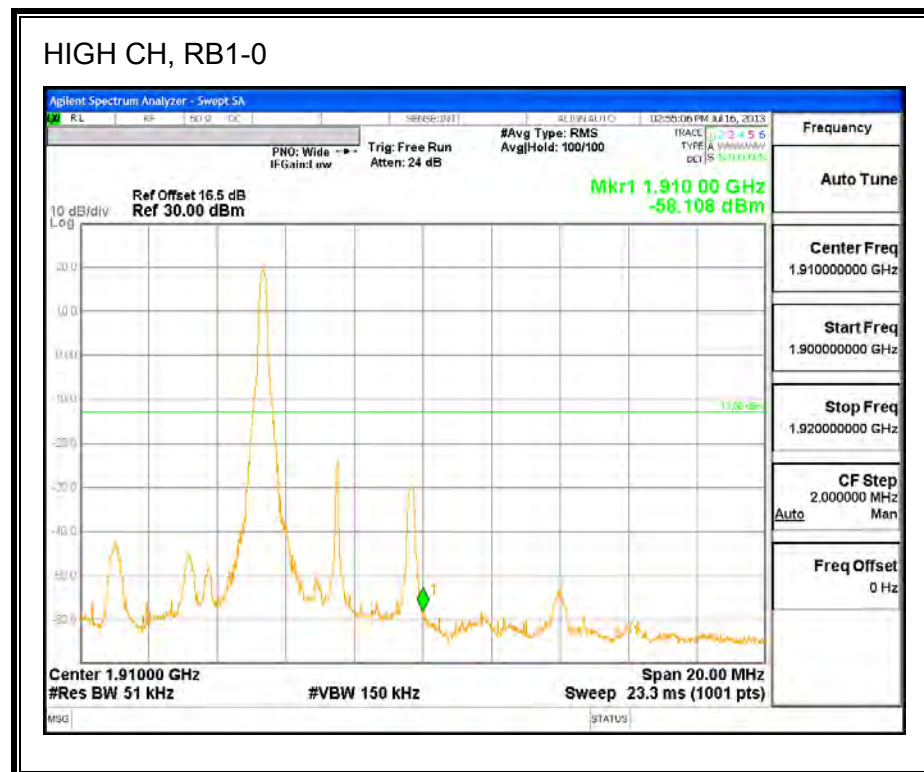
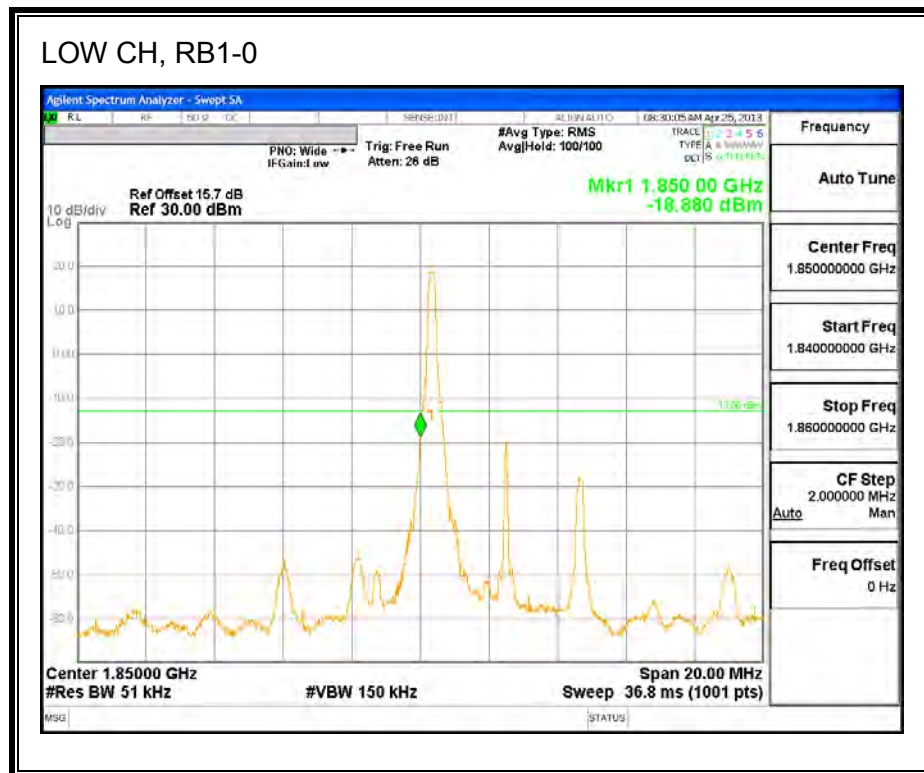
LOW CH, RB15-0



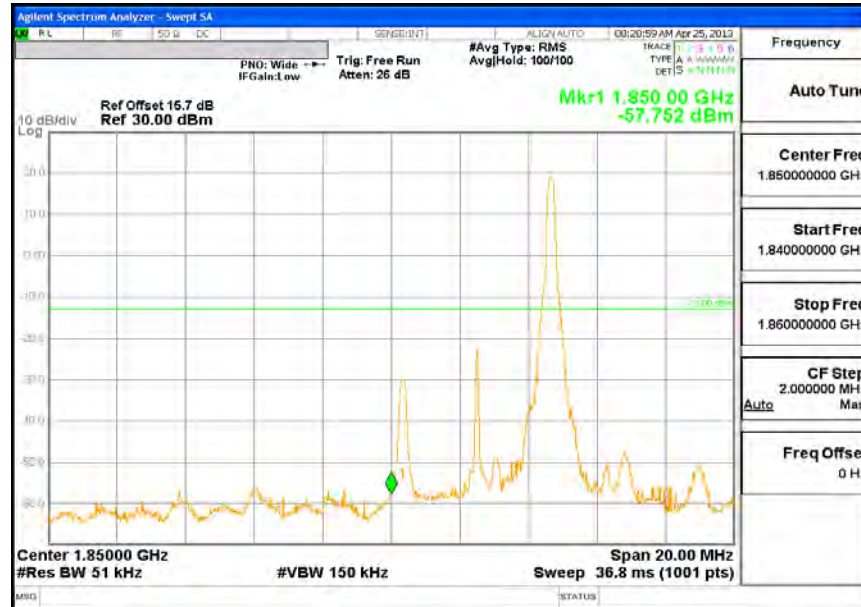
HIGH CH, RB15-0



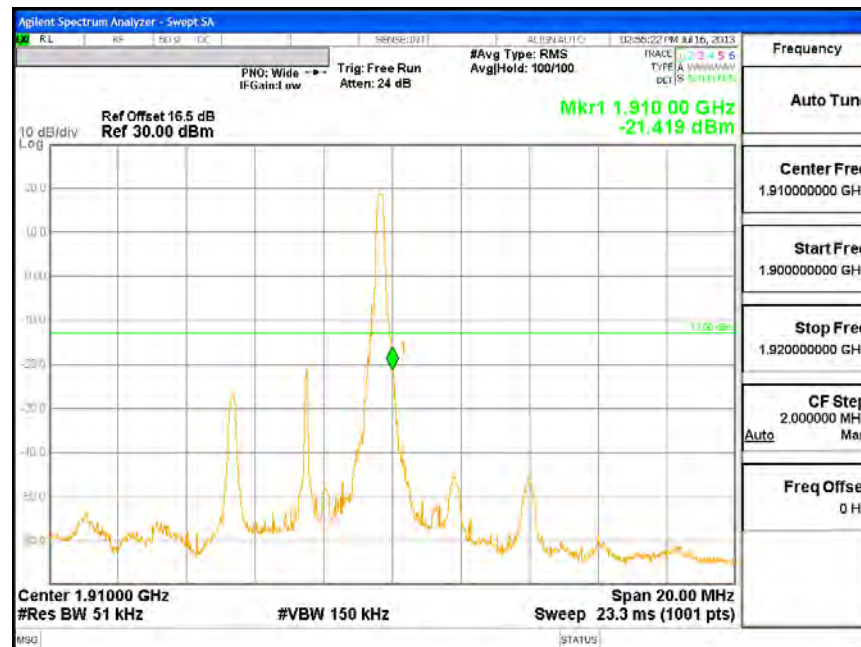
QPSK Band 2 (5 MHz BANDWIDTH)

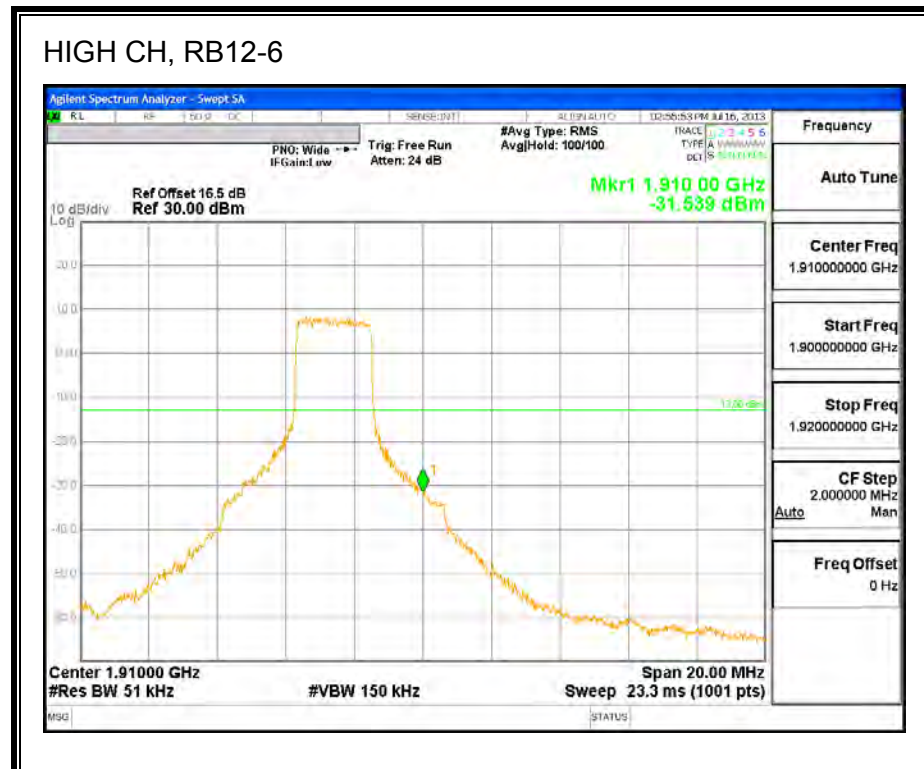
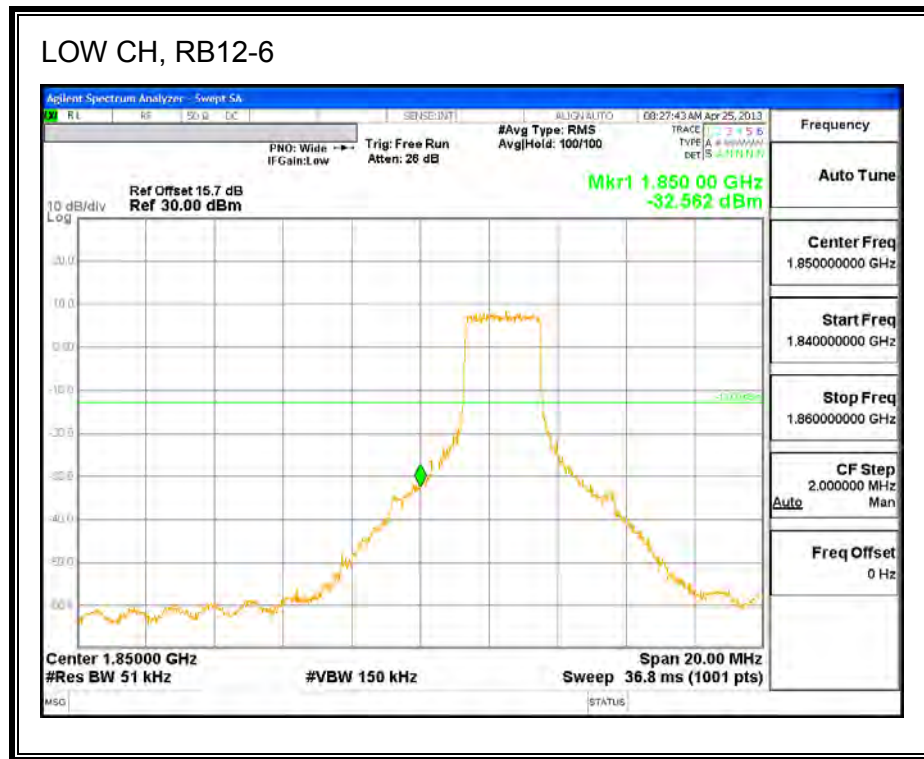


LOW CH, RB1-24

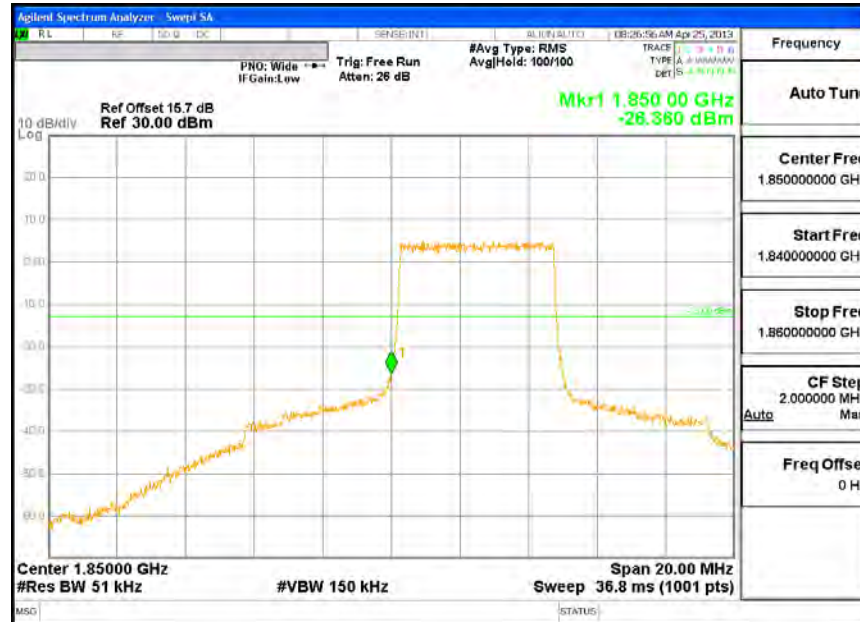


HIGH CH, RB1-24

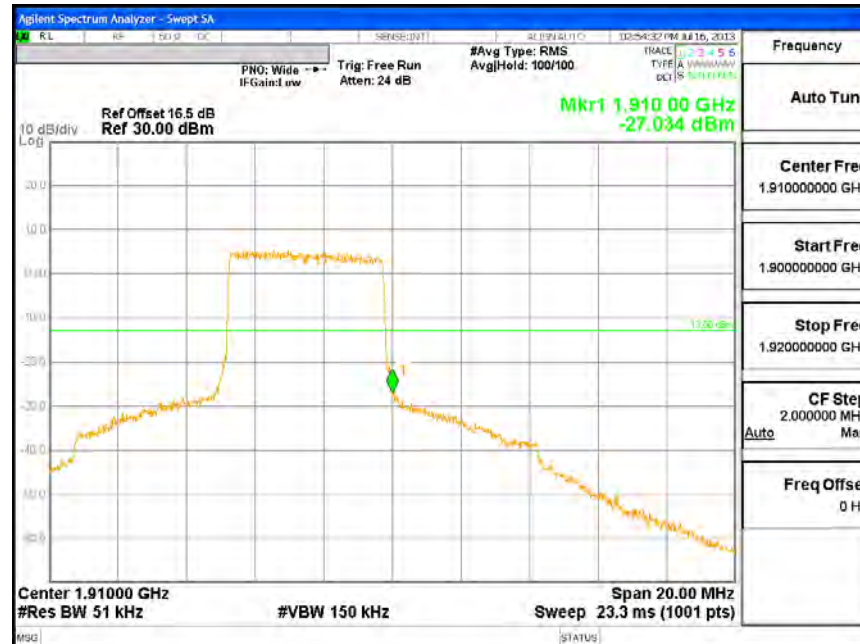




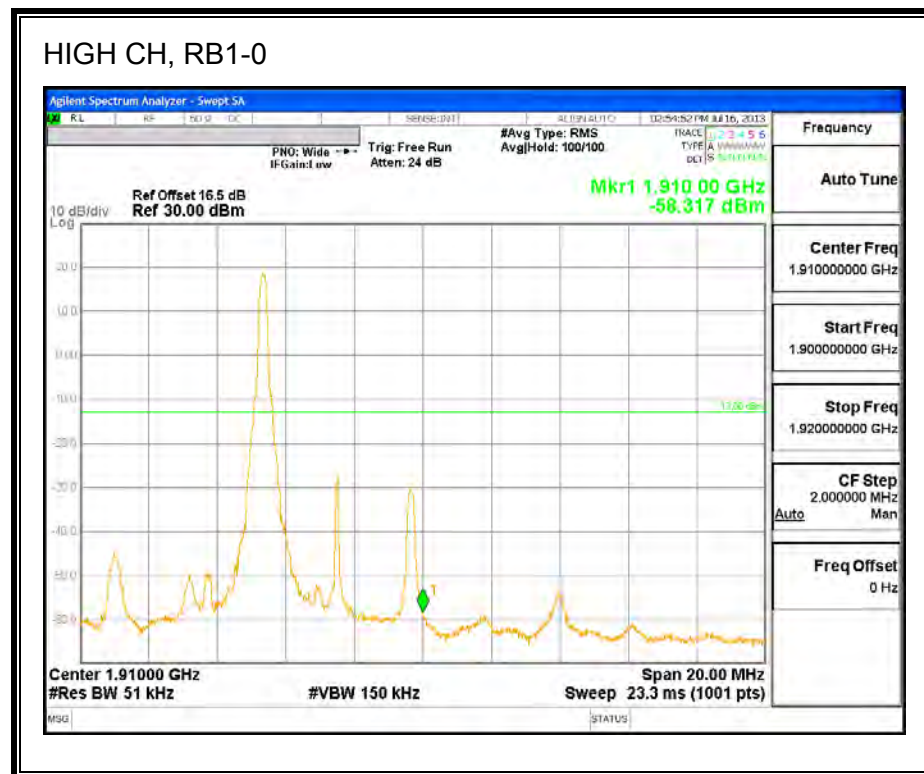
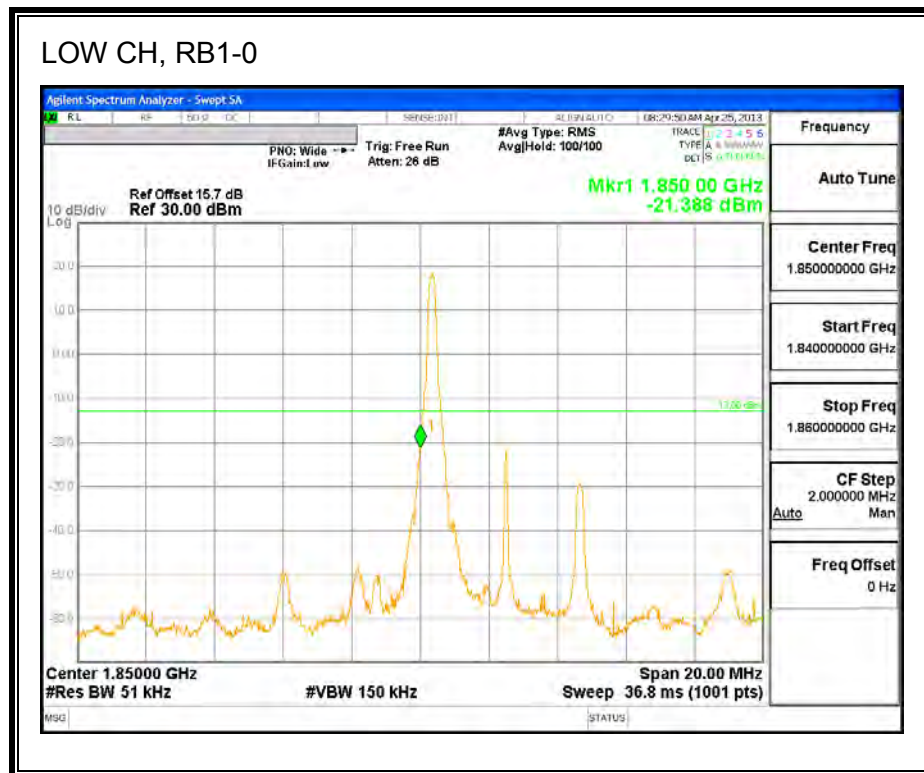
LOW CH, RB25-0



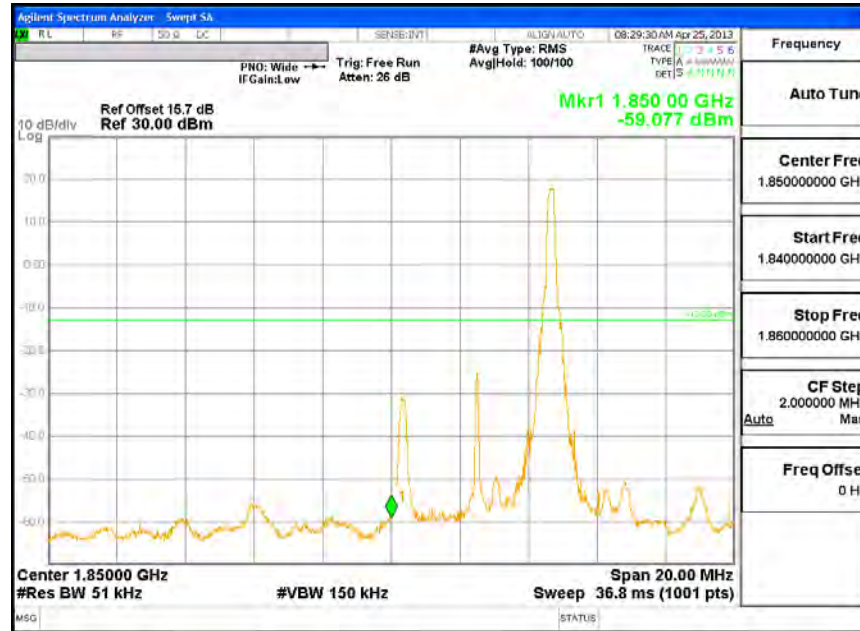
HIGH CH, RB25-0



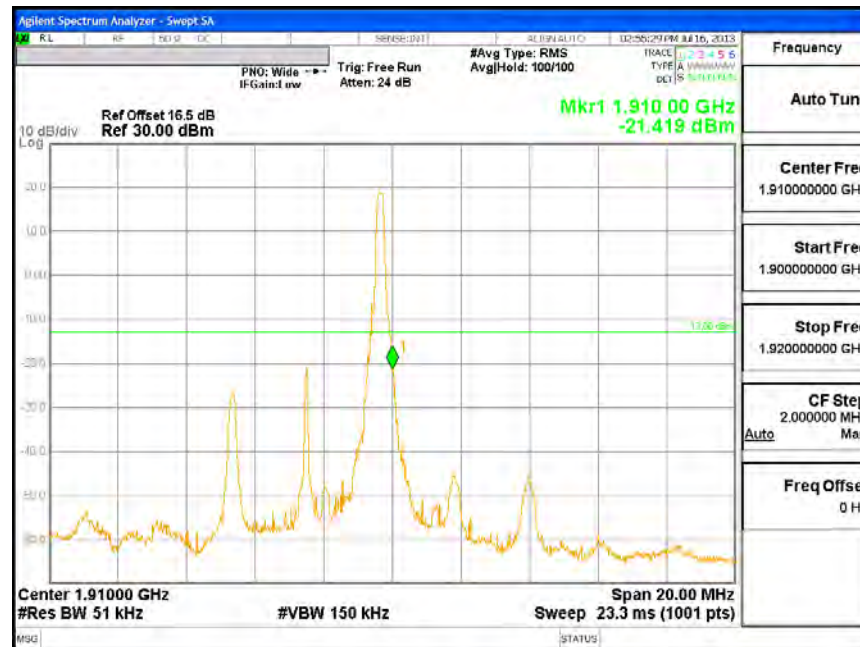
16QAM Band 2 (5 MHz BANDWIDTH)

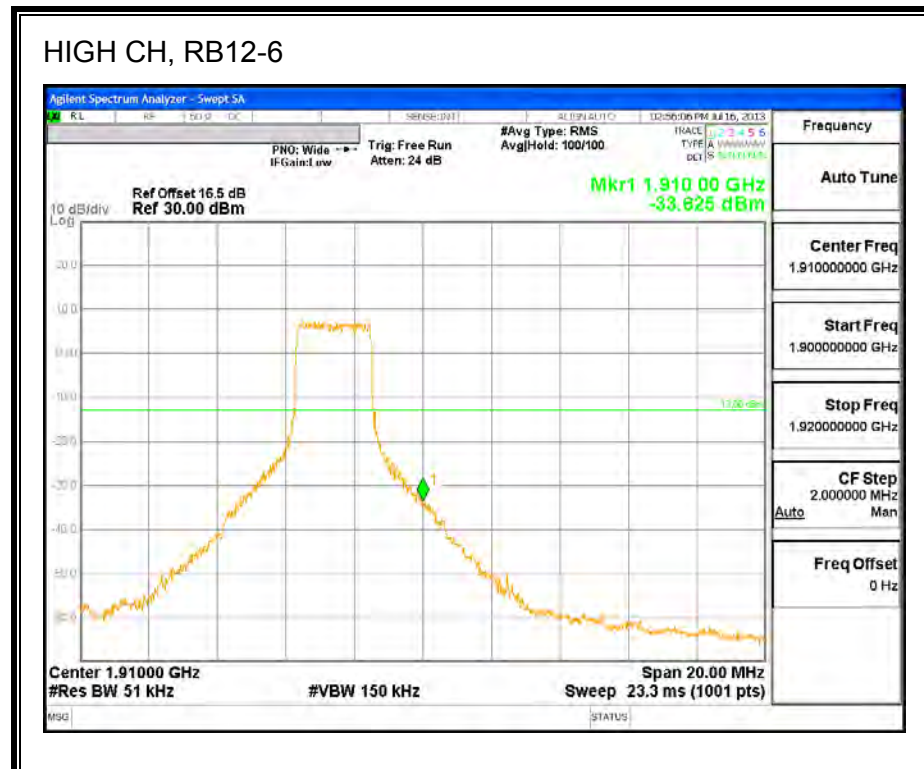
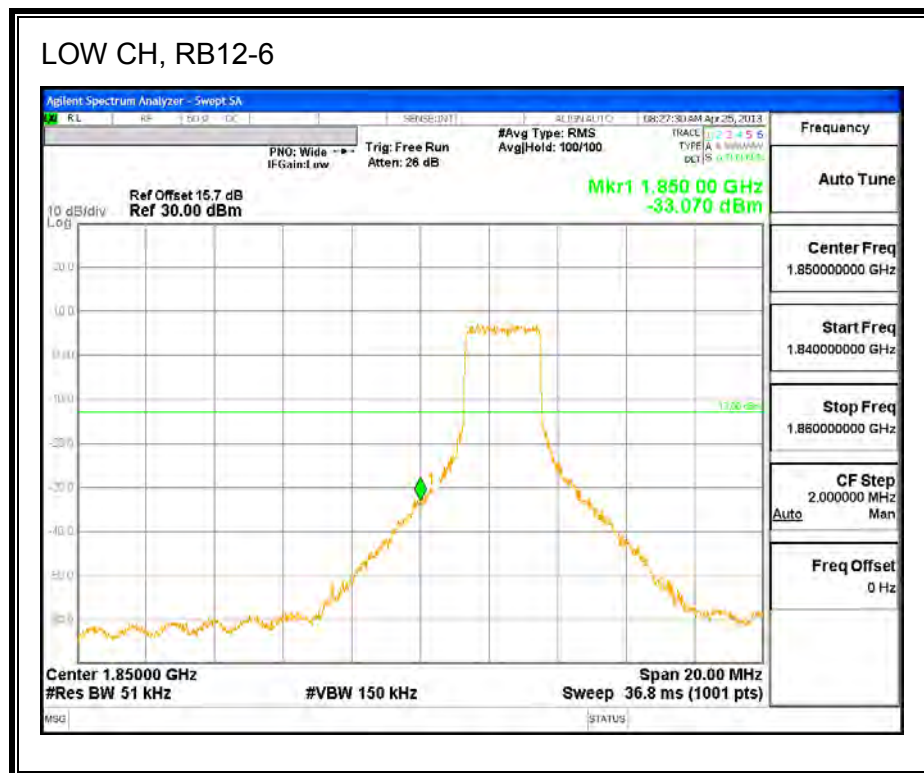


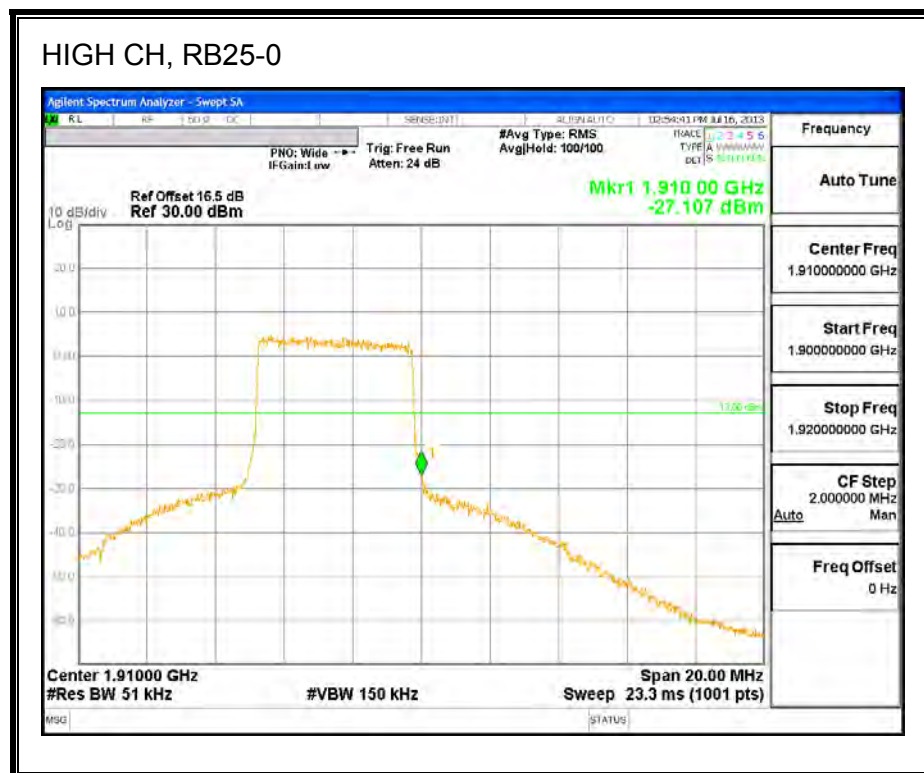
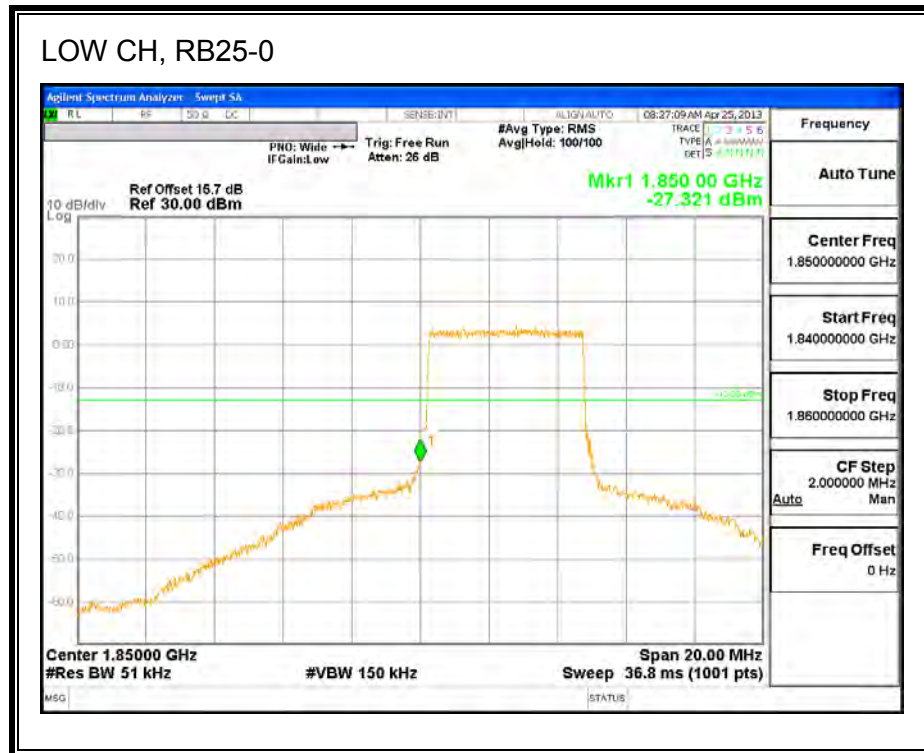
LOW CH, RB1-24



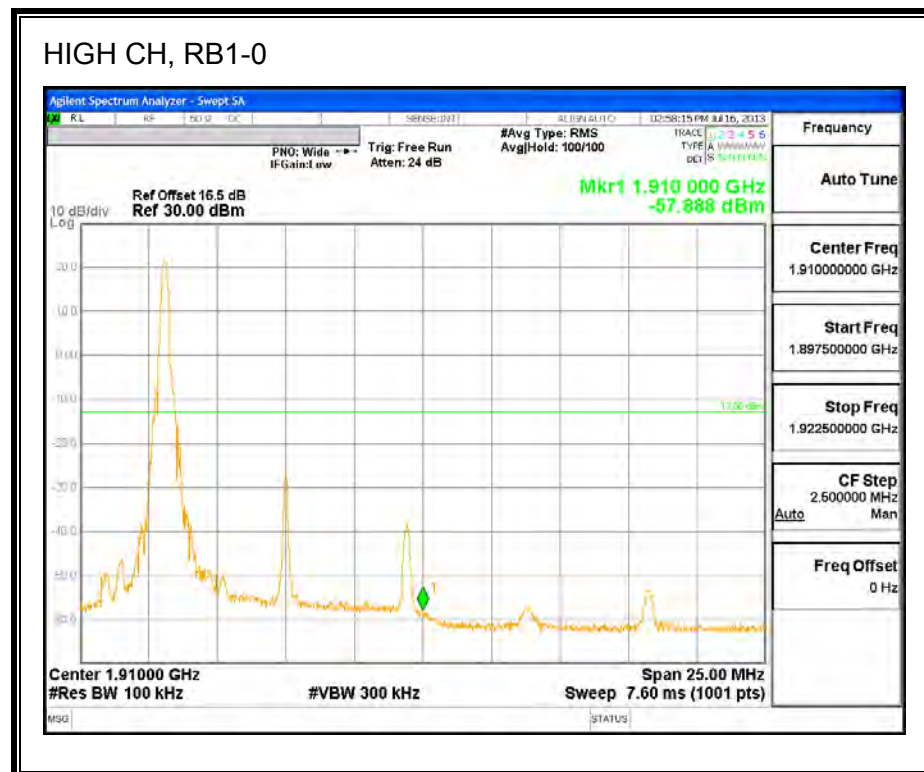
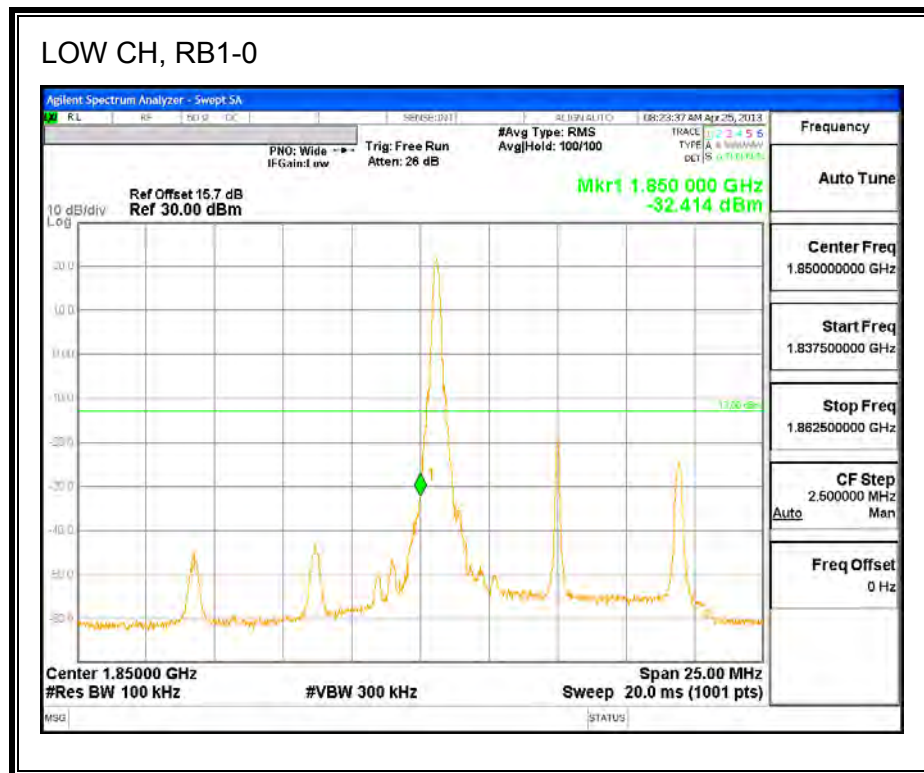
HIGH CH, RB1-24



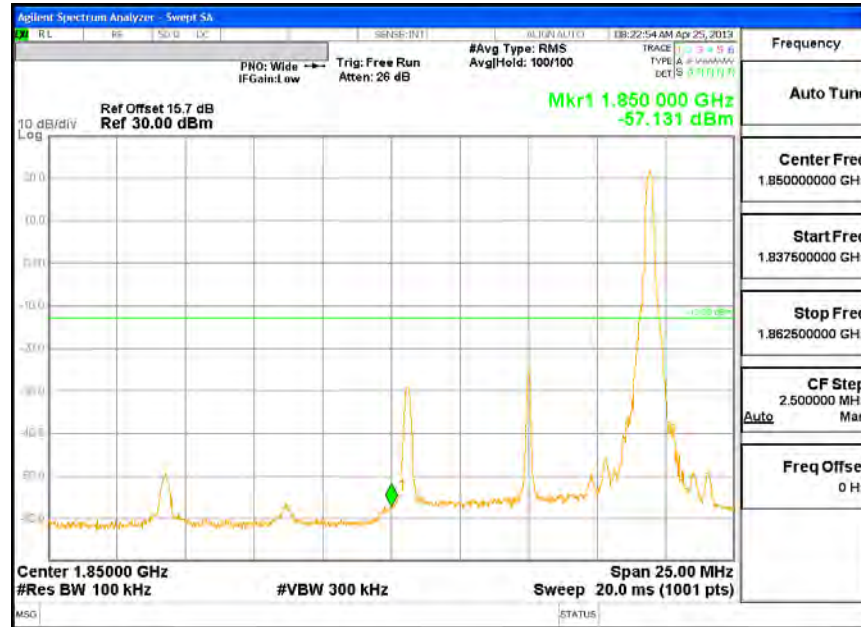




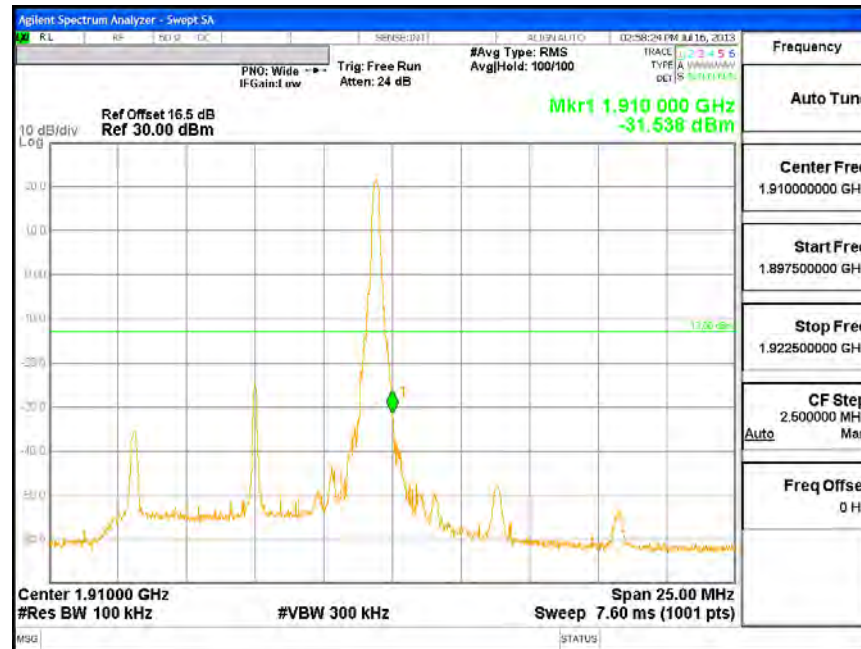
QPSK Band 2 (10 MHz BANDWIDTH)

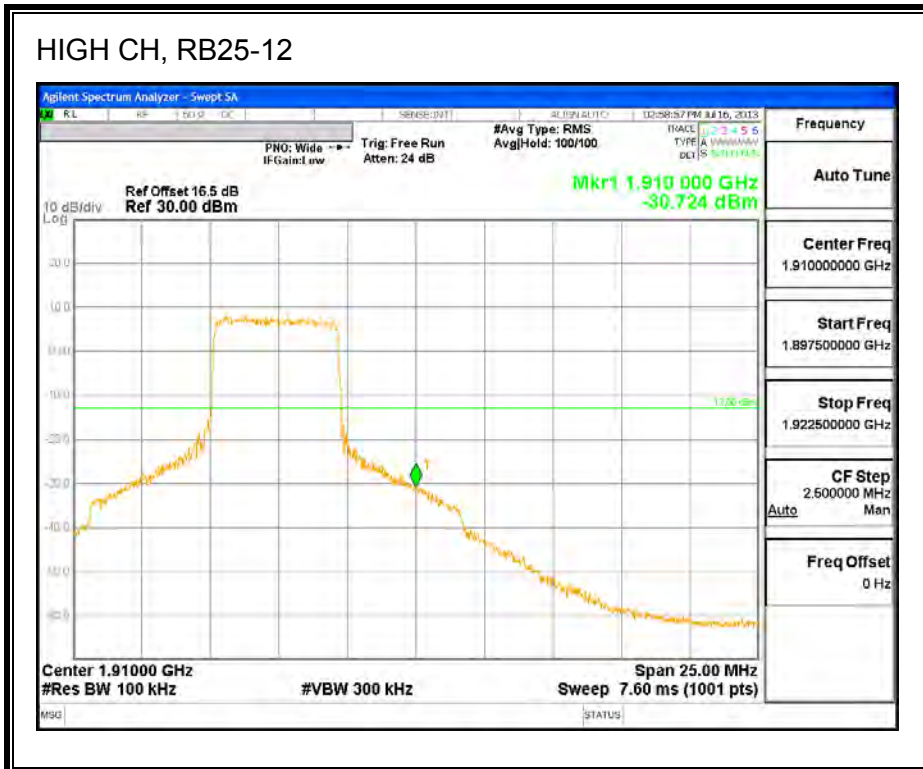


LOW CH, RB1-49

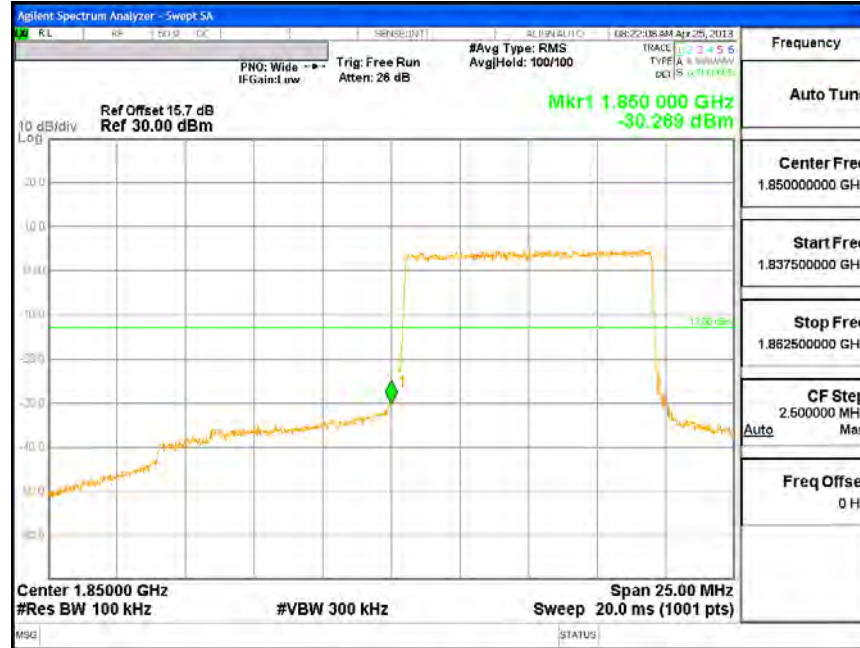


HIGH CH, RB1-49





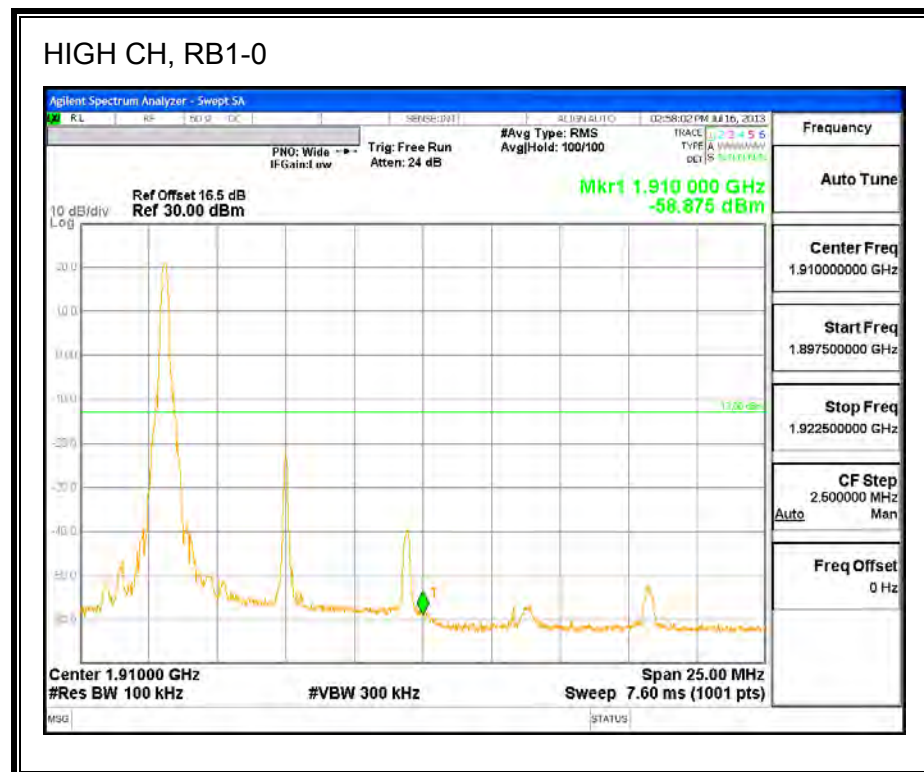
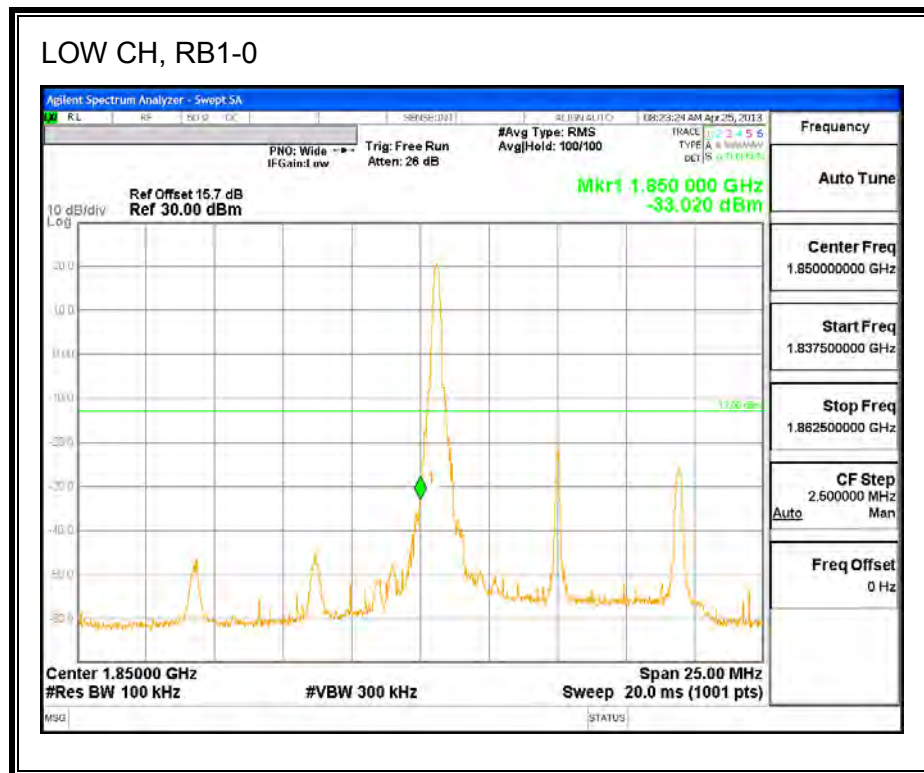
LOW CH, RB50-0



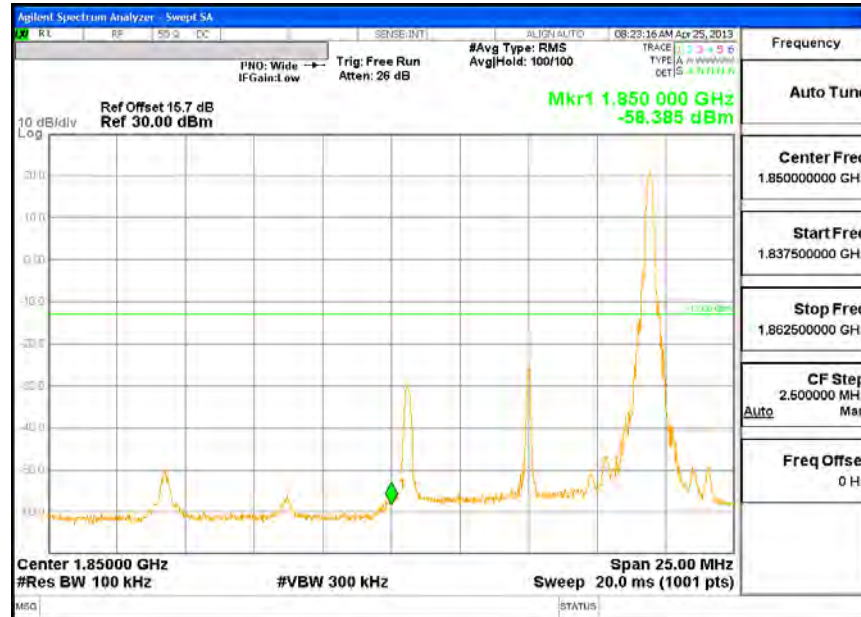
HIGH CH, RB50-0



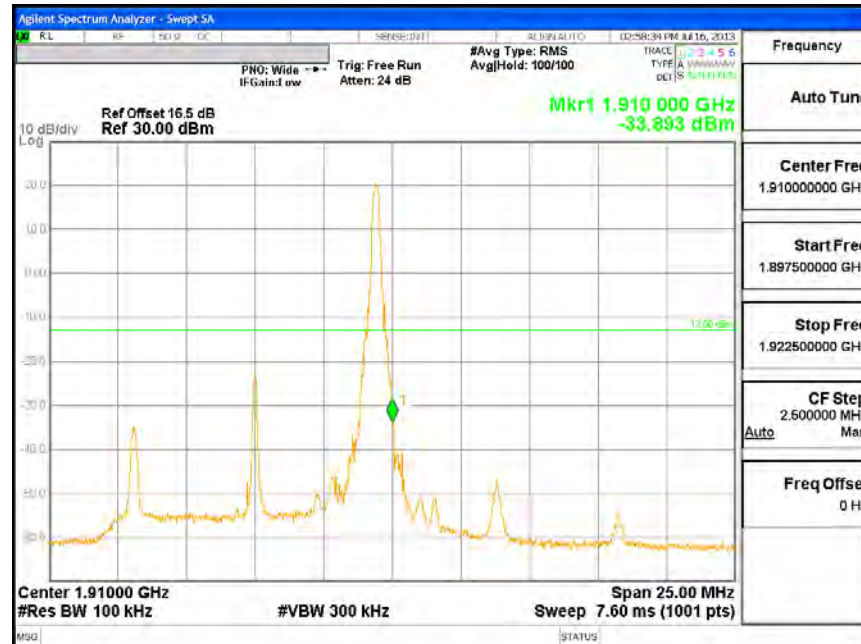
16QAM Band 2 (10 MHz BANDWIDTH)

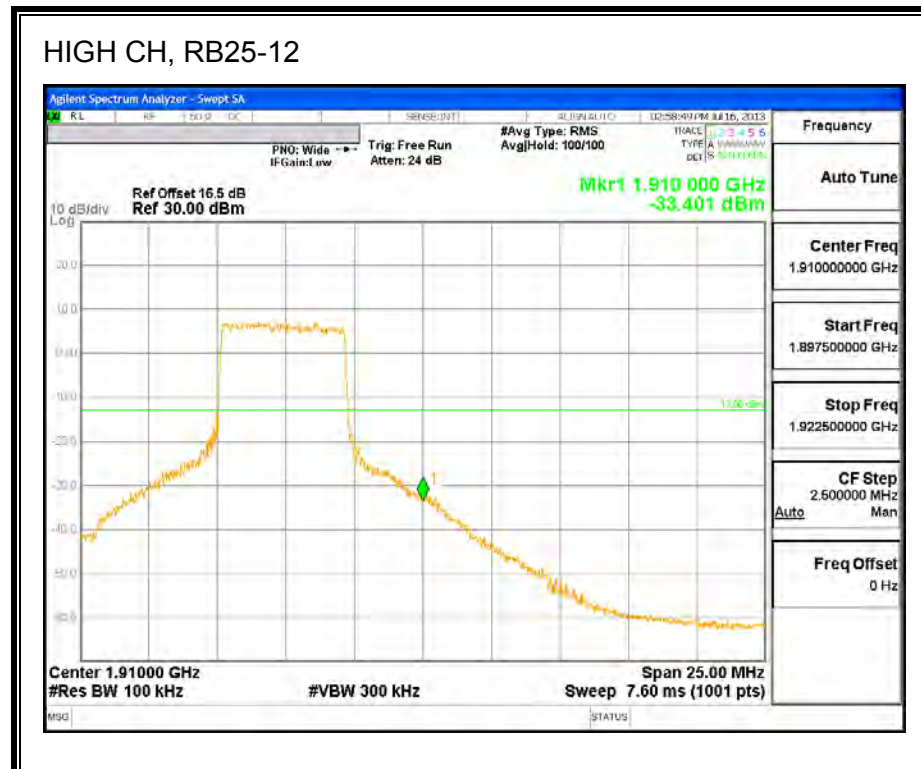


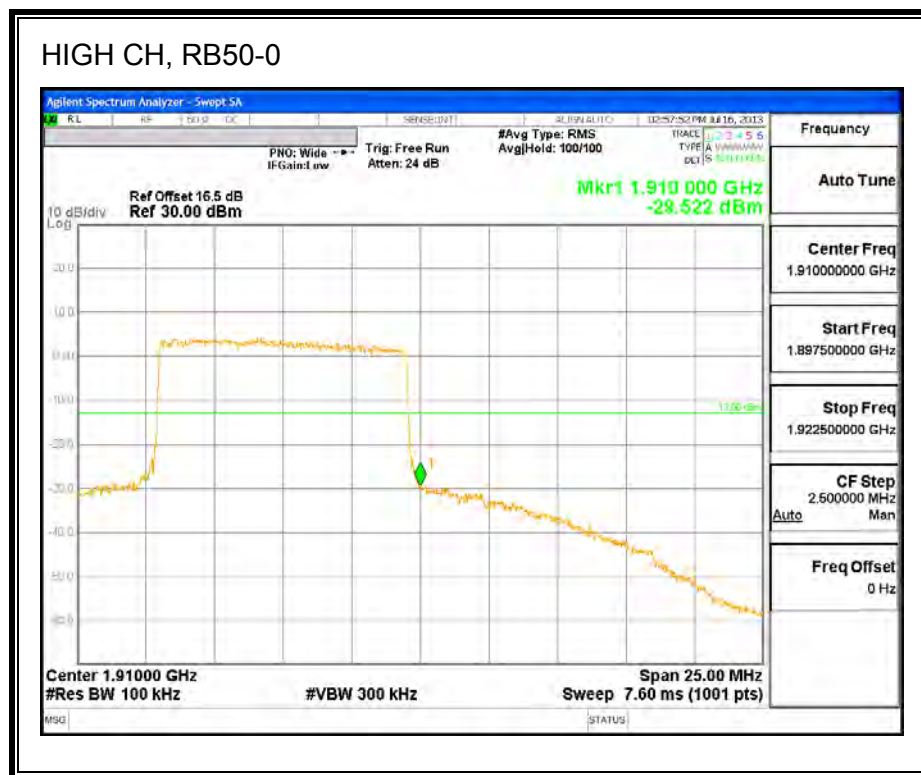
LOW CH, RB1-49



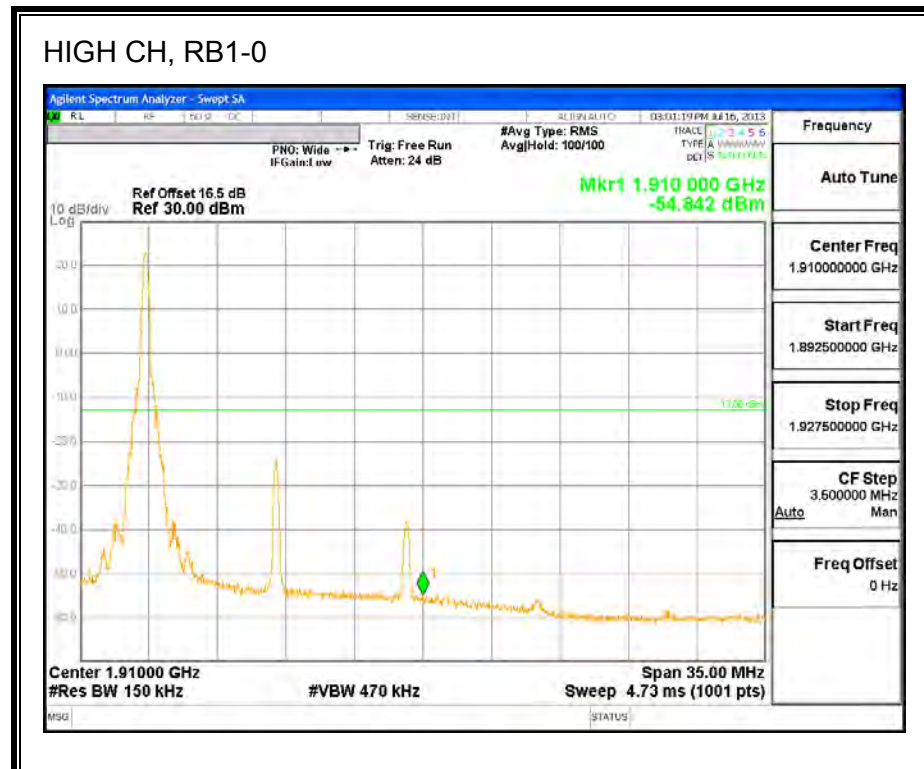
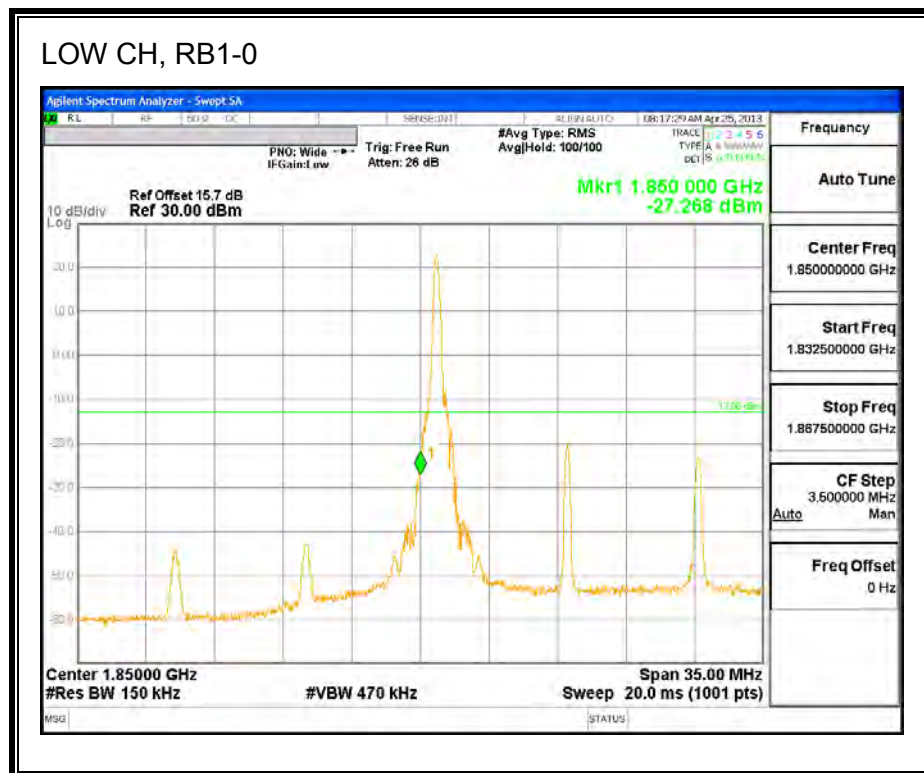
HIGH CH, RB1-49



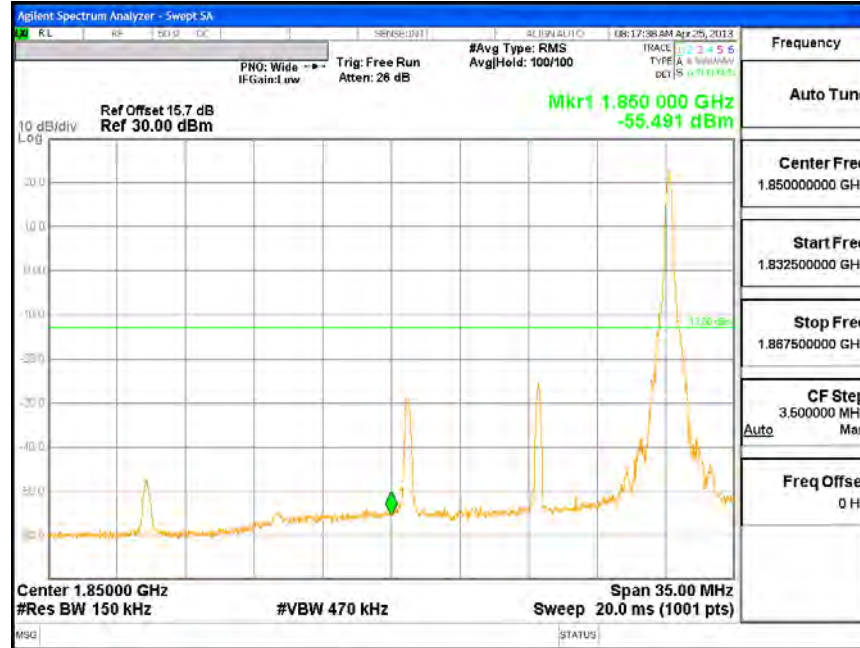




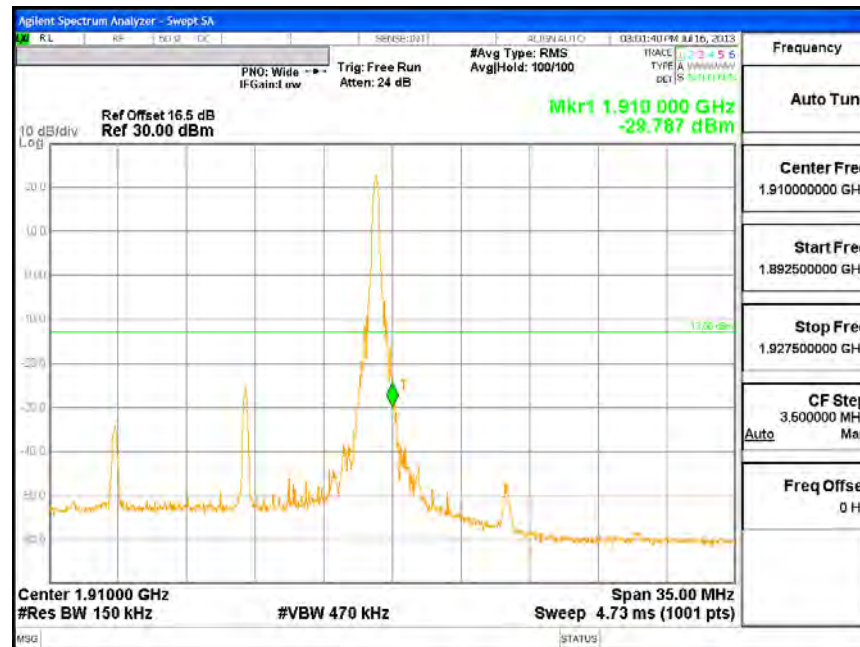
QPSK Band 2 (15.0 MHz BAND WIDTH)

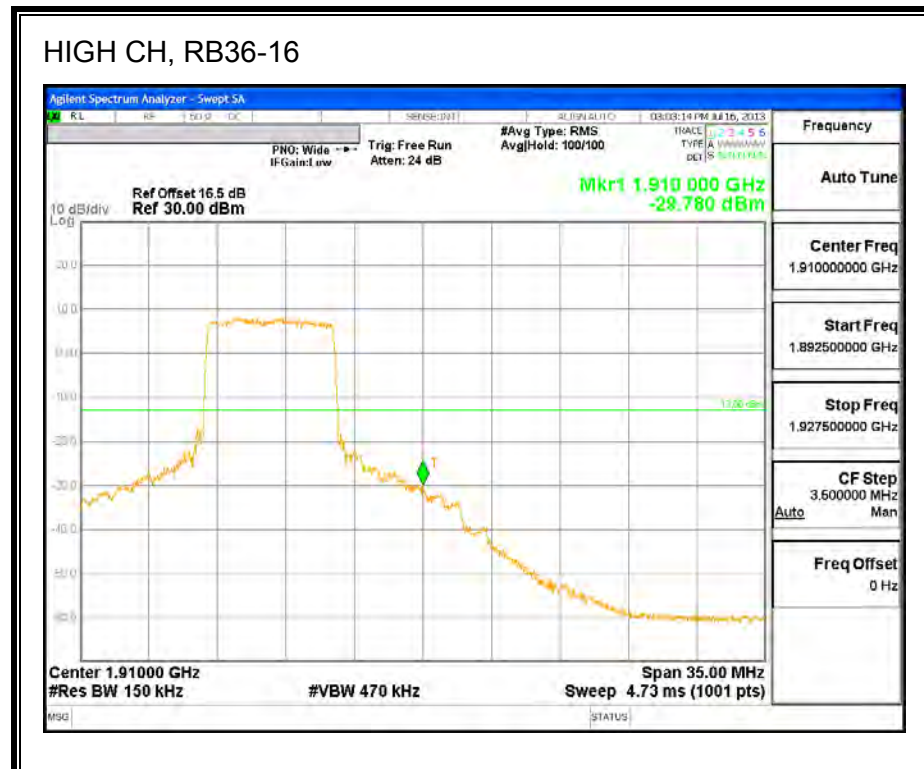
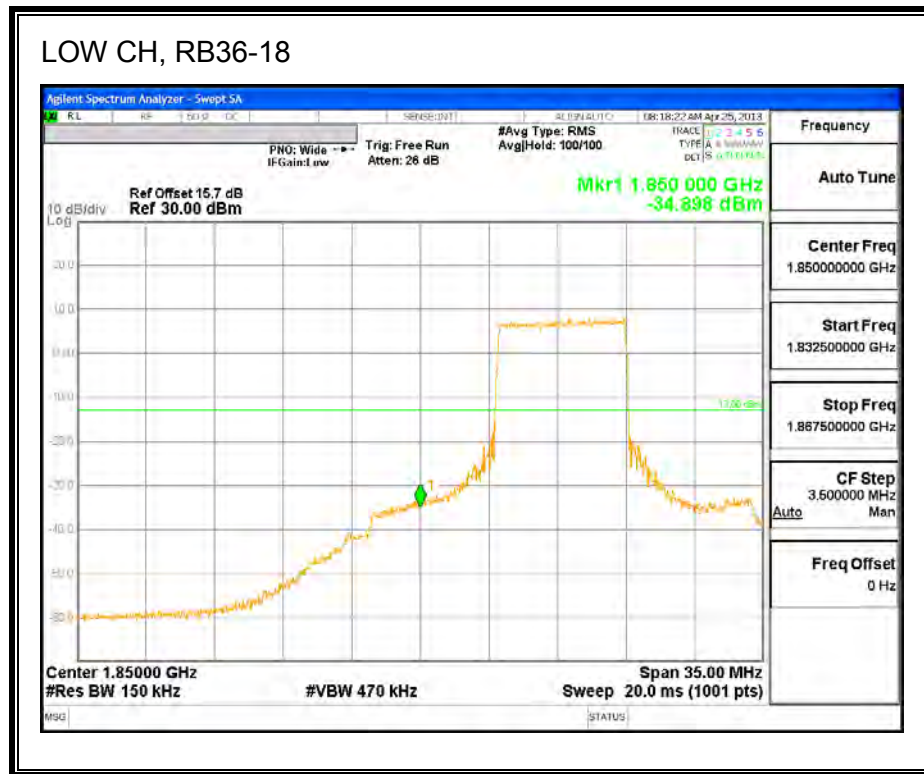


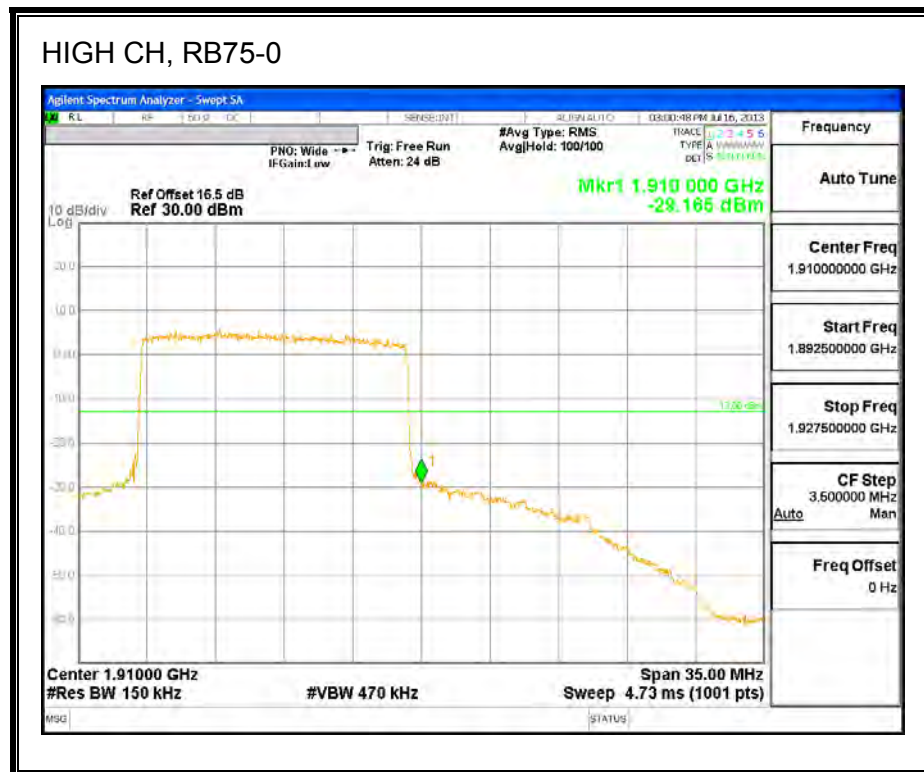
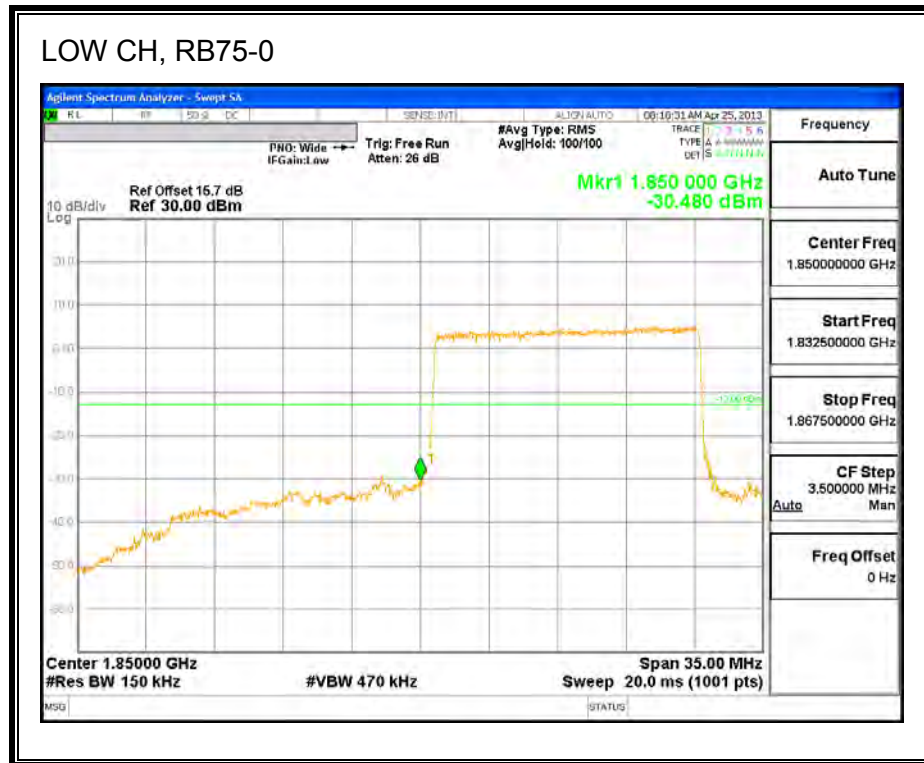
LOW CH, RB1-74



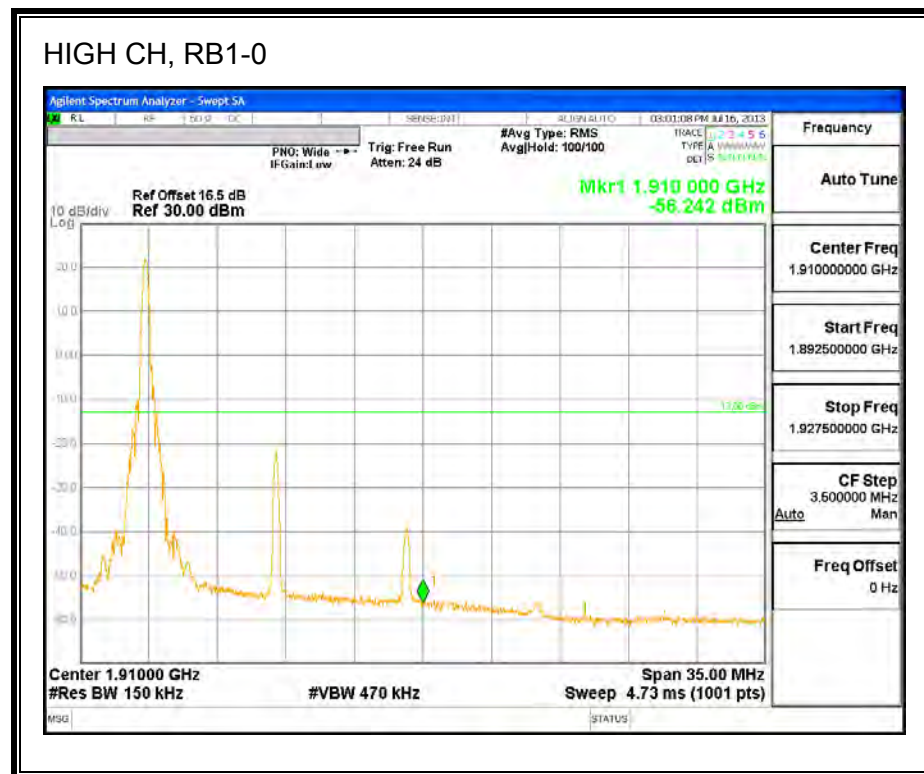
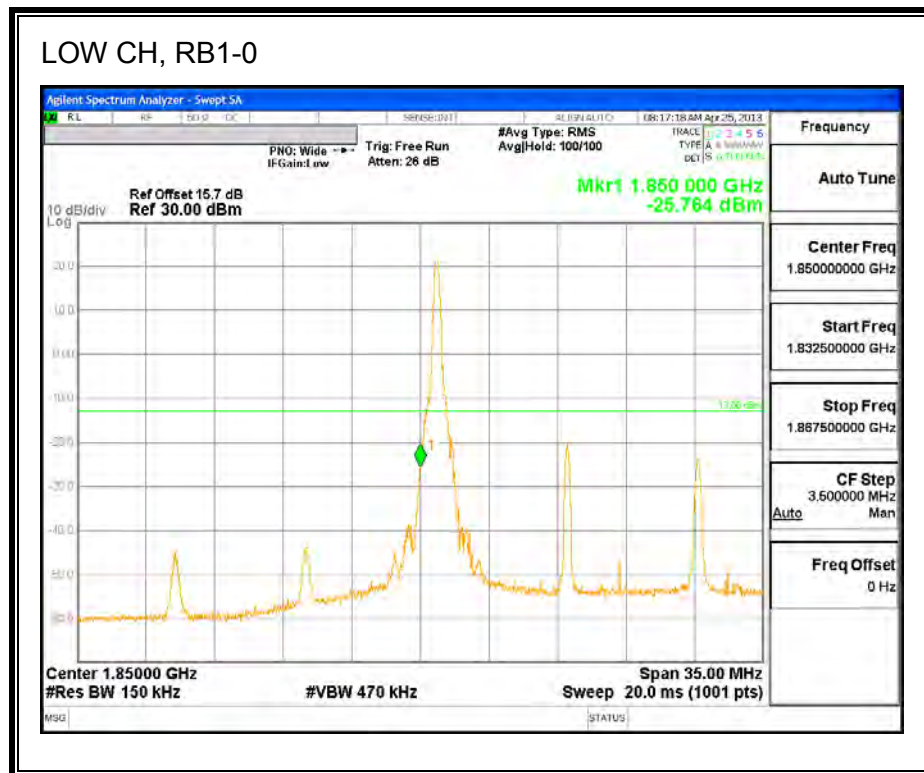
HIGH CH, RB1-74



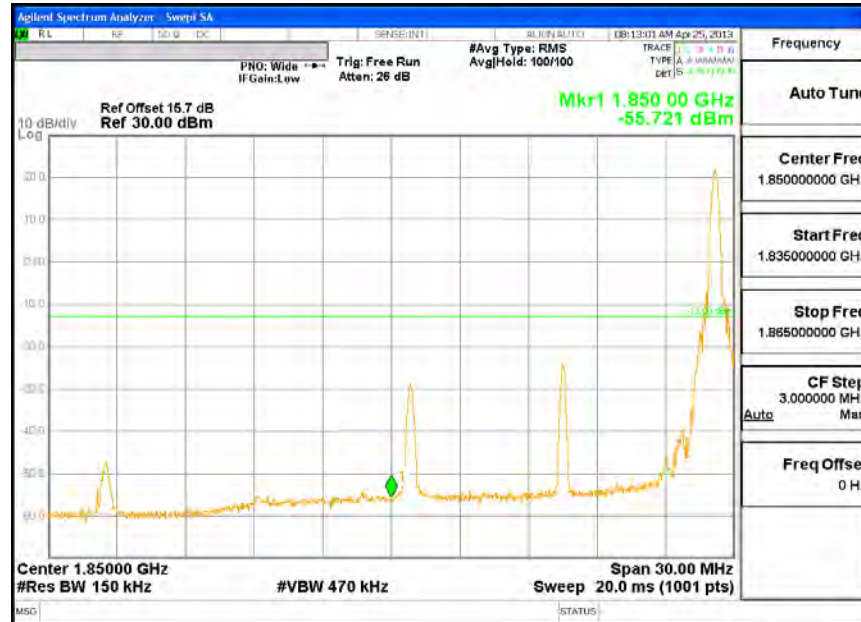




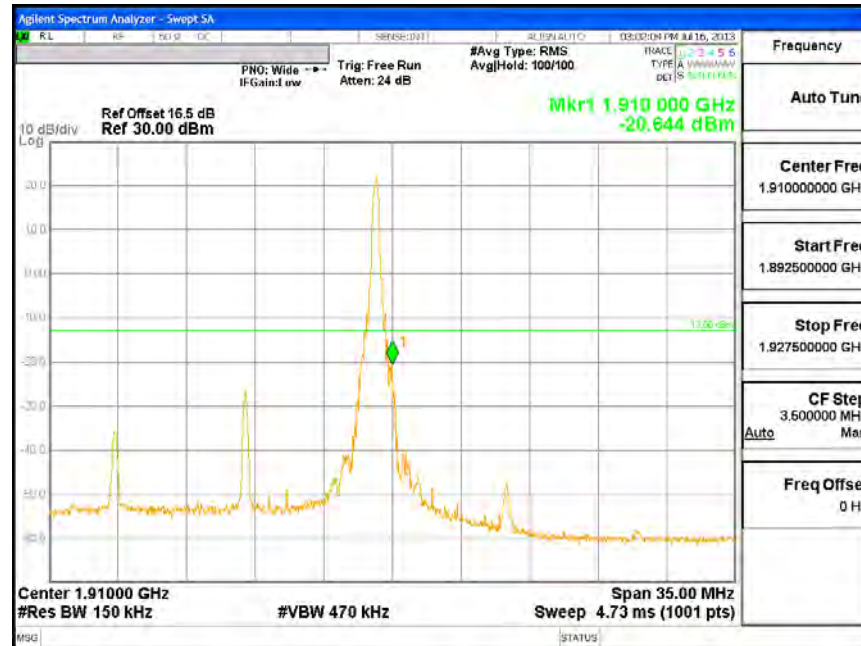
16QAM Band 2 (15.0 MHz BAND WIDTH)

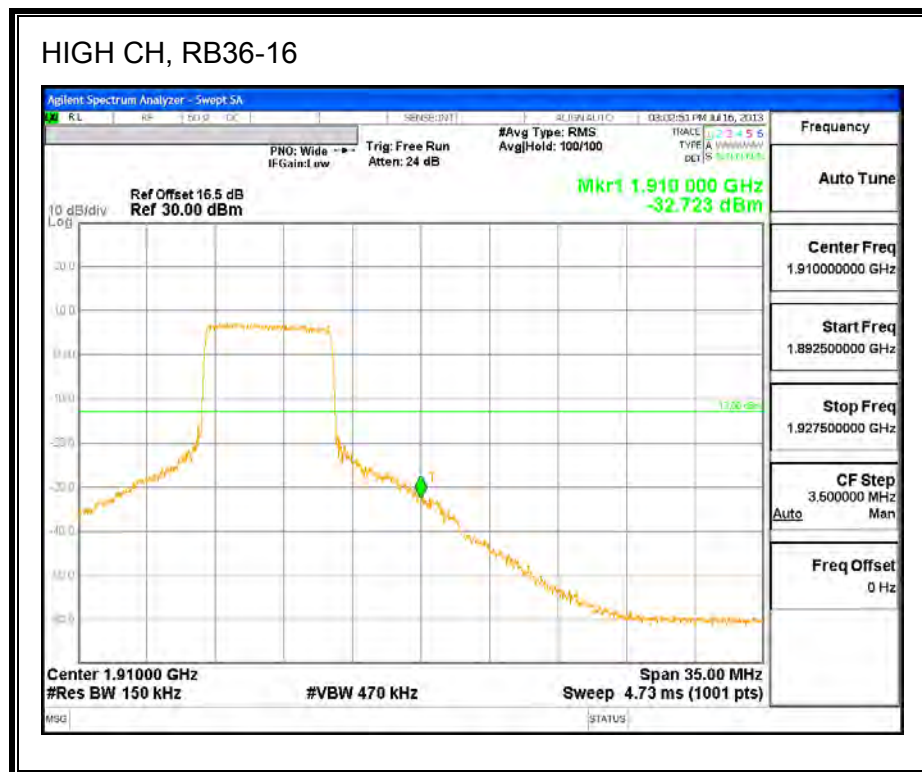
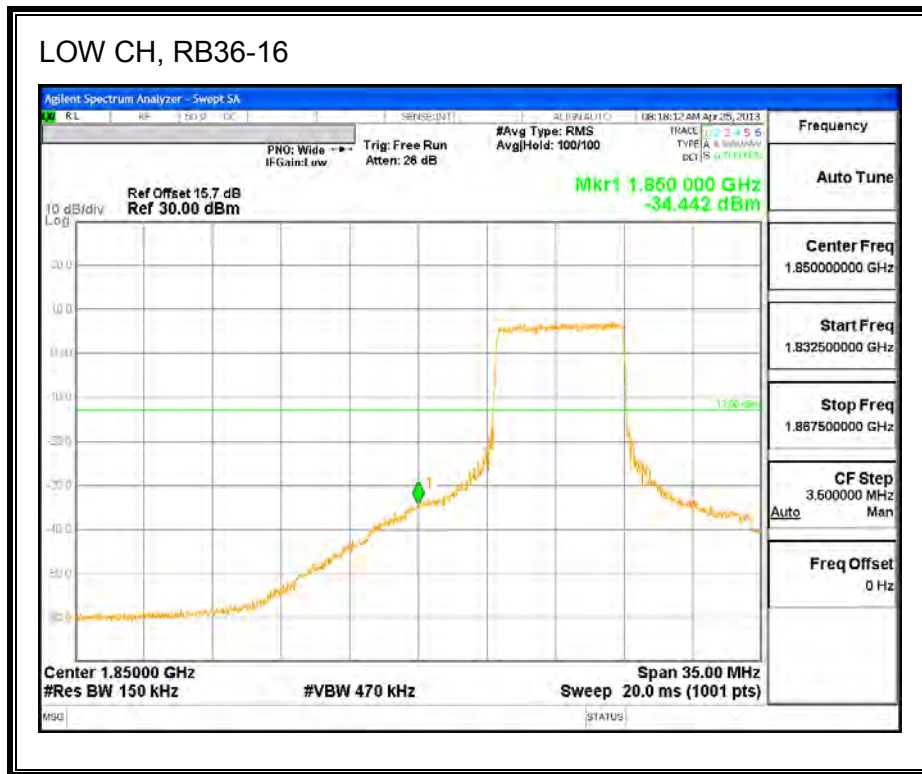


LOW CH, RB1-74

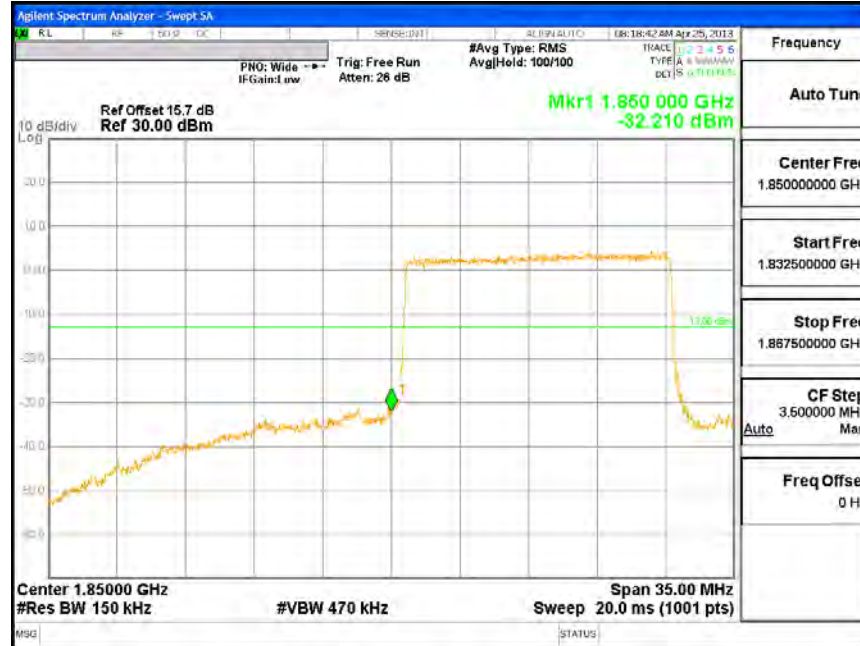


HIGH CH, RB1-74

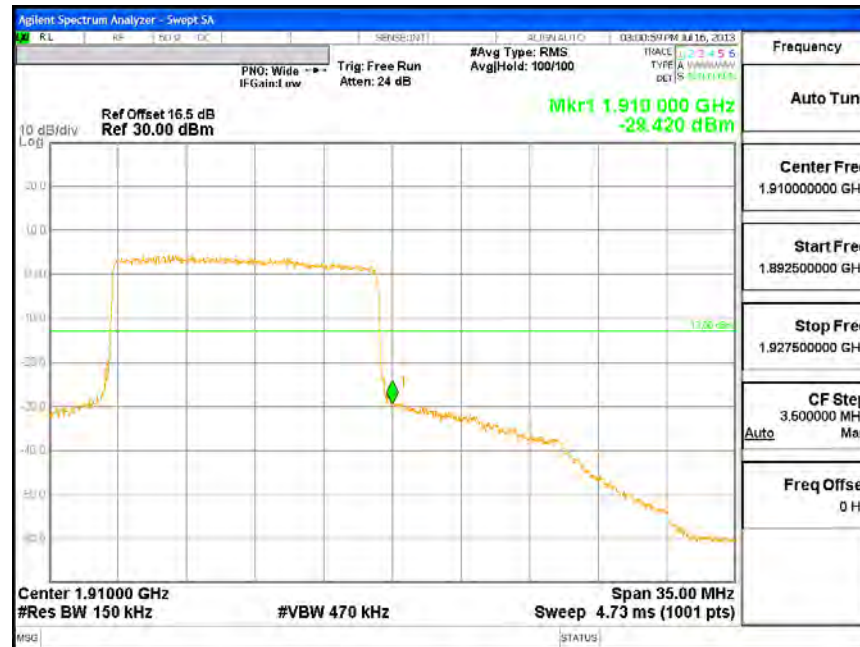




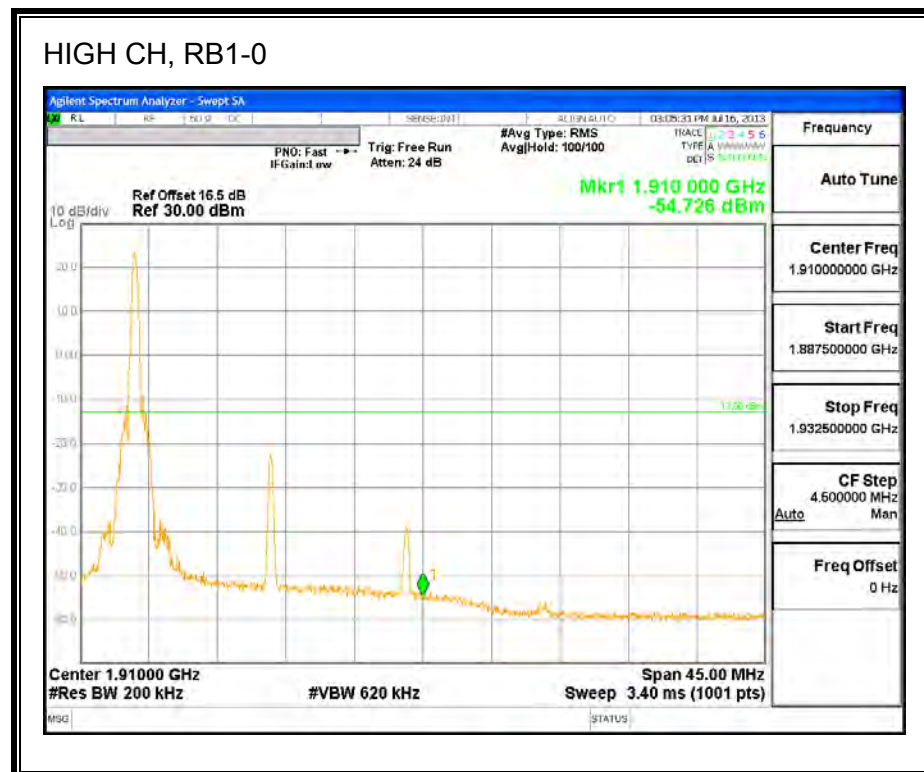
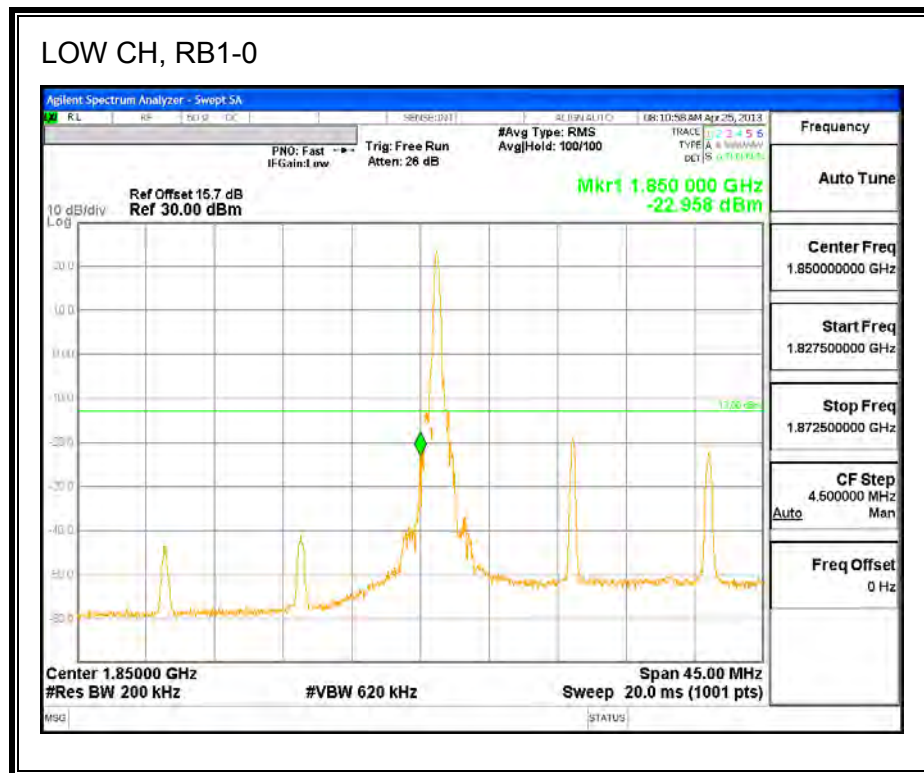
LOW CH, RB75-0



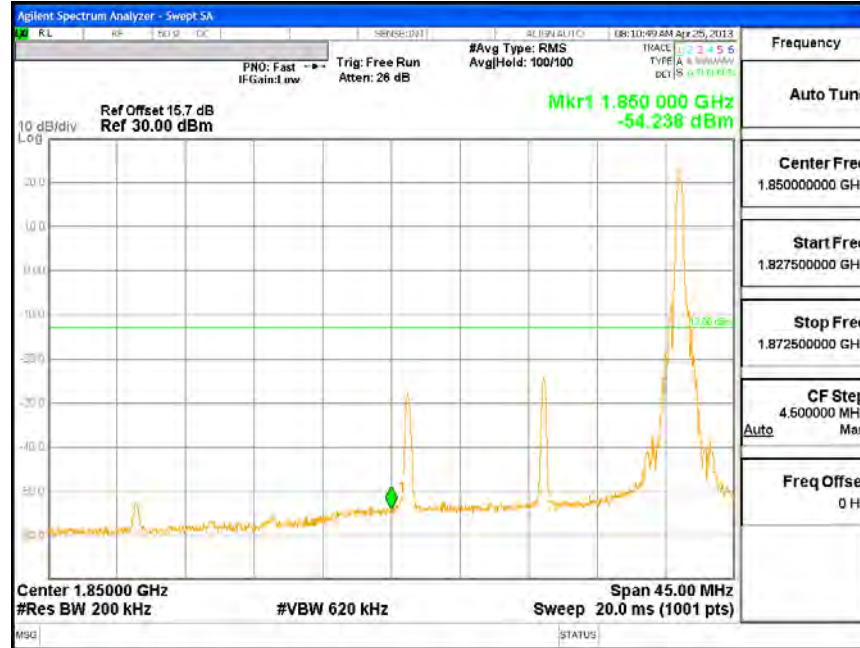
HIGH CH, RB75-0



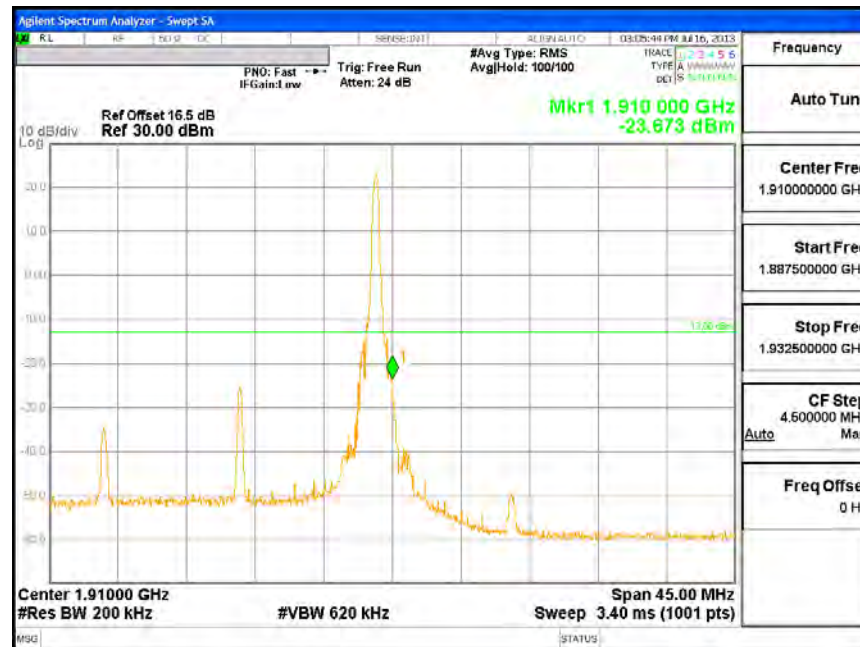
QPSK Band 2 (20.0 MHz BAND WIDTH)

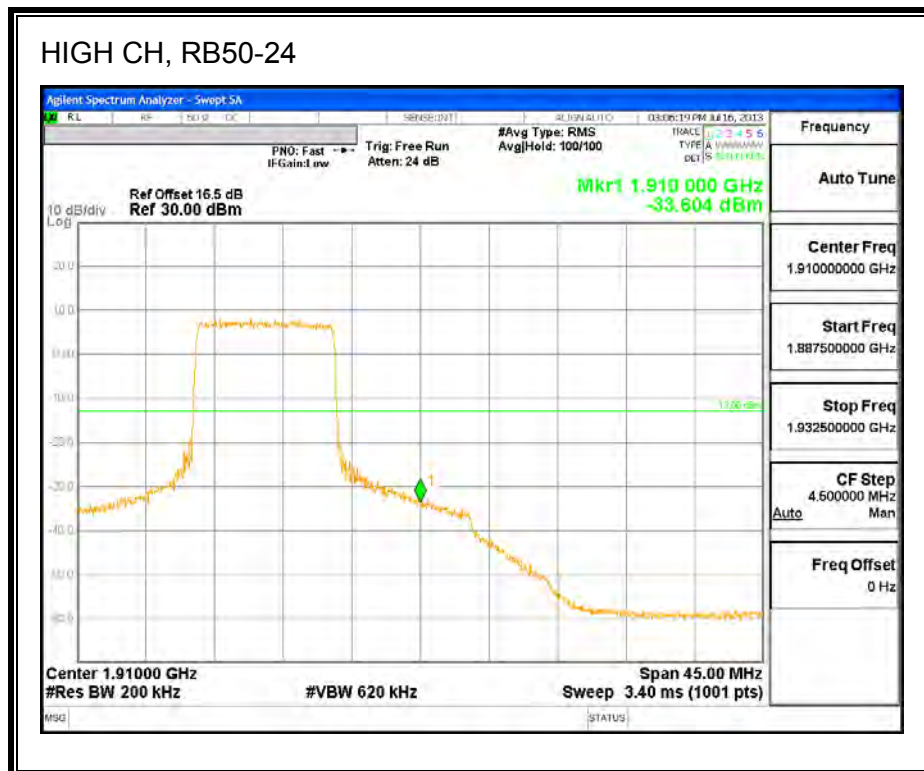
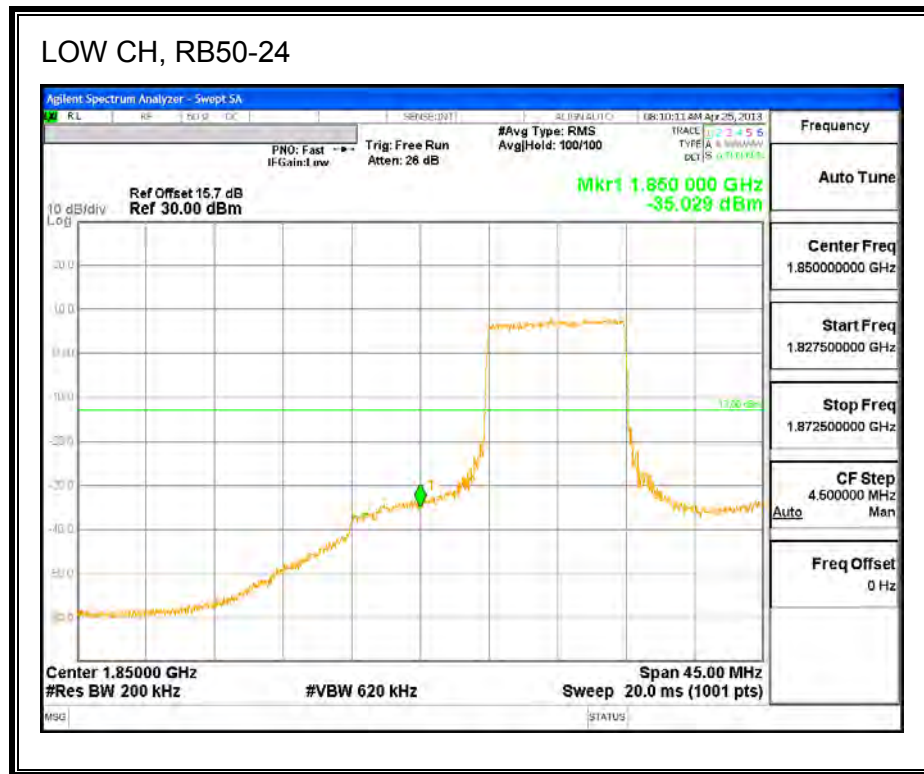


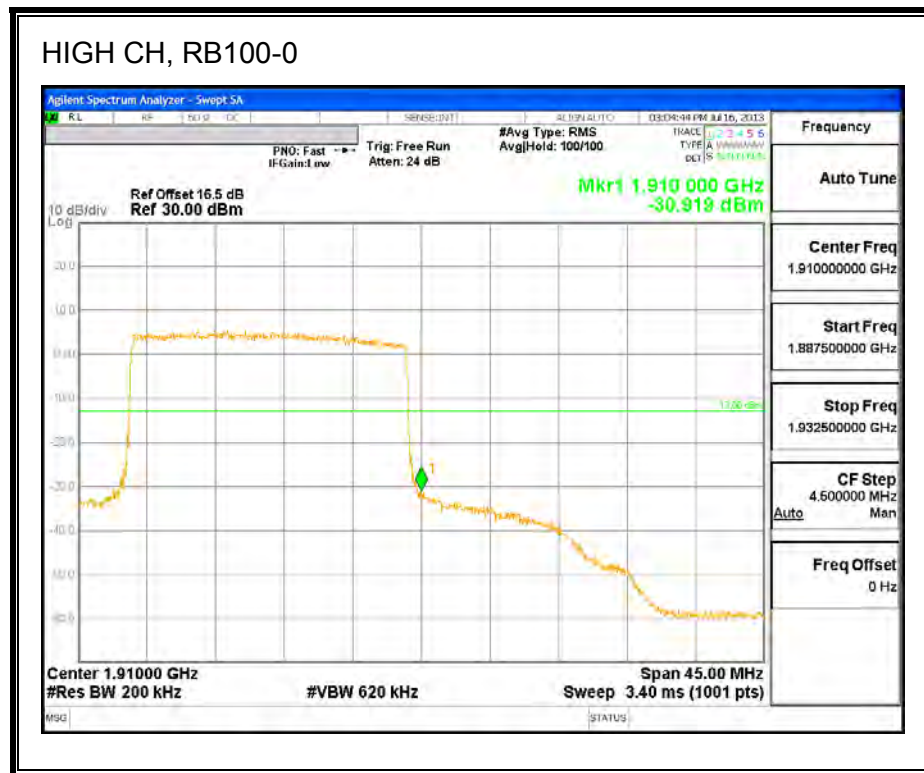
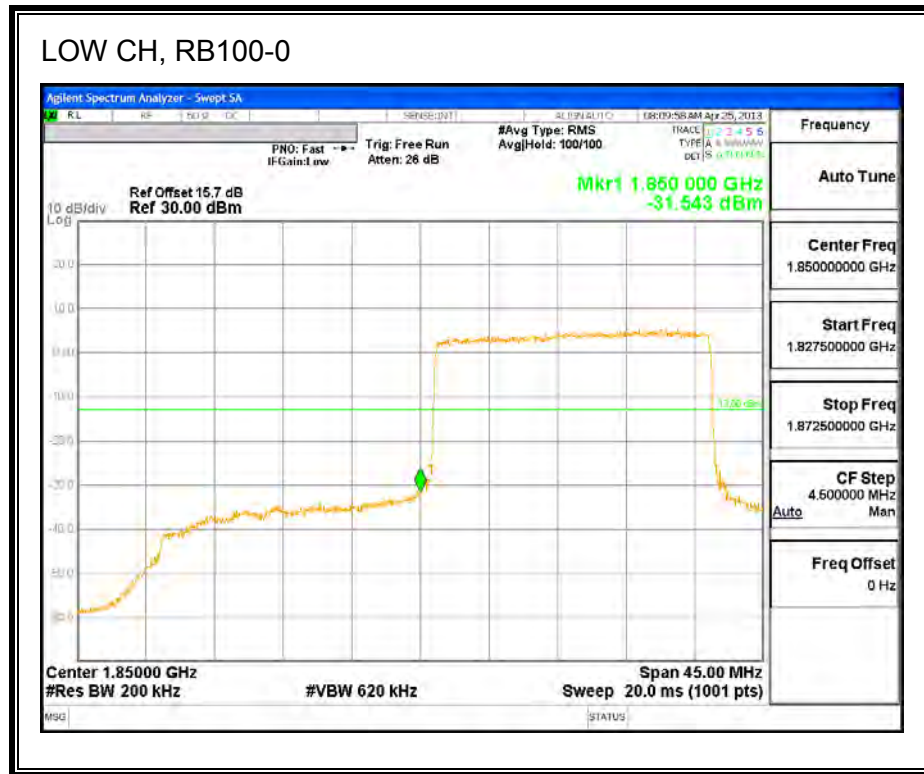
LOW CH, RB1-99



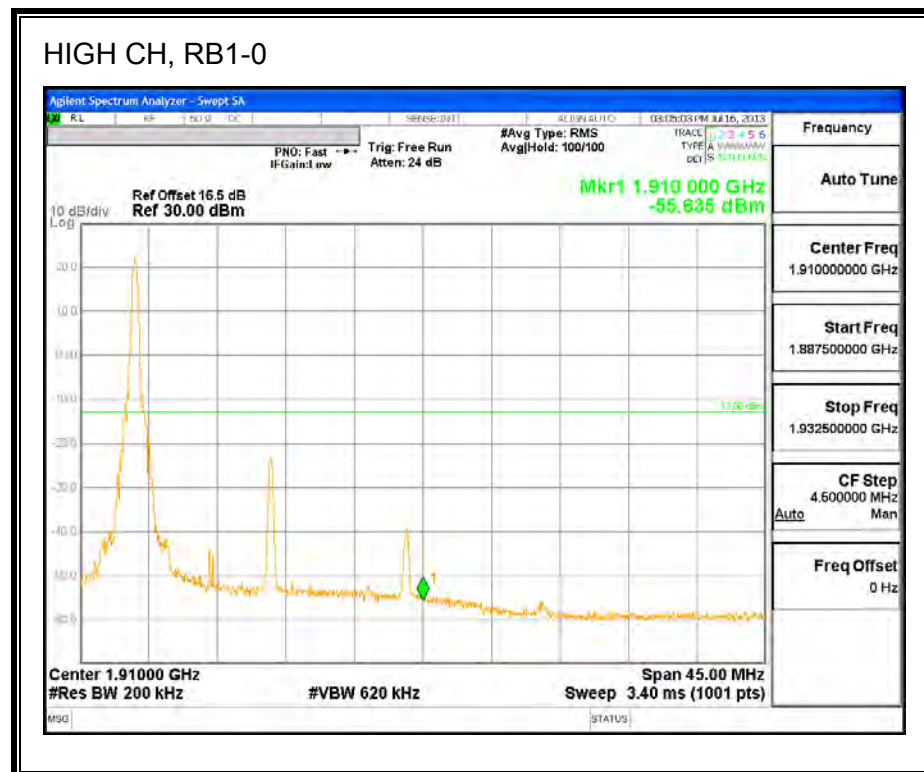
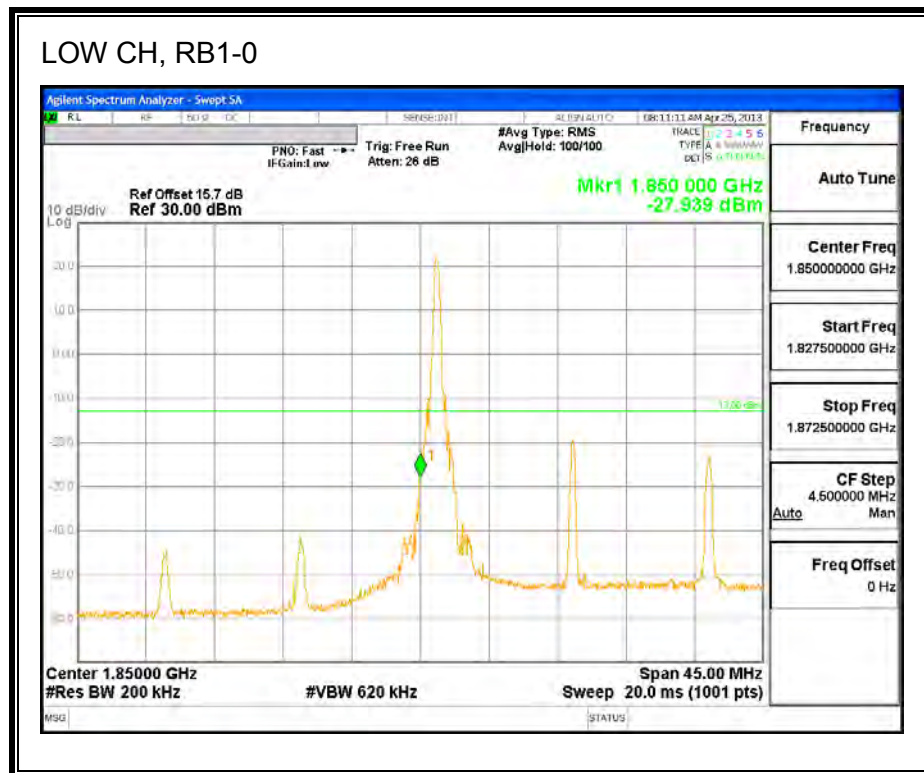
HIGH CH, RB1-99



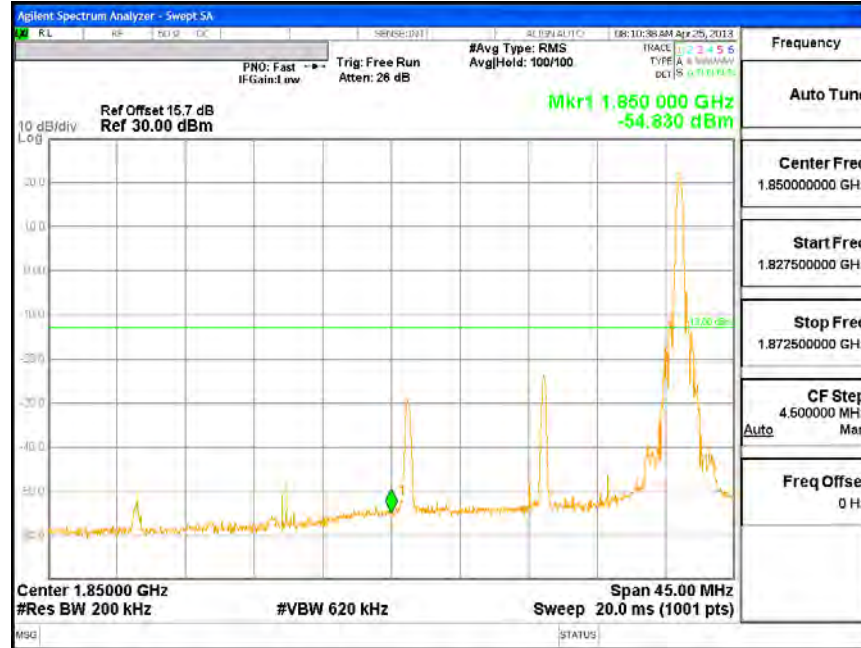




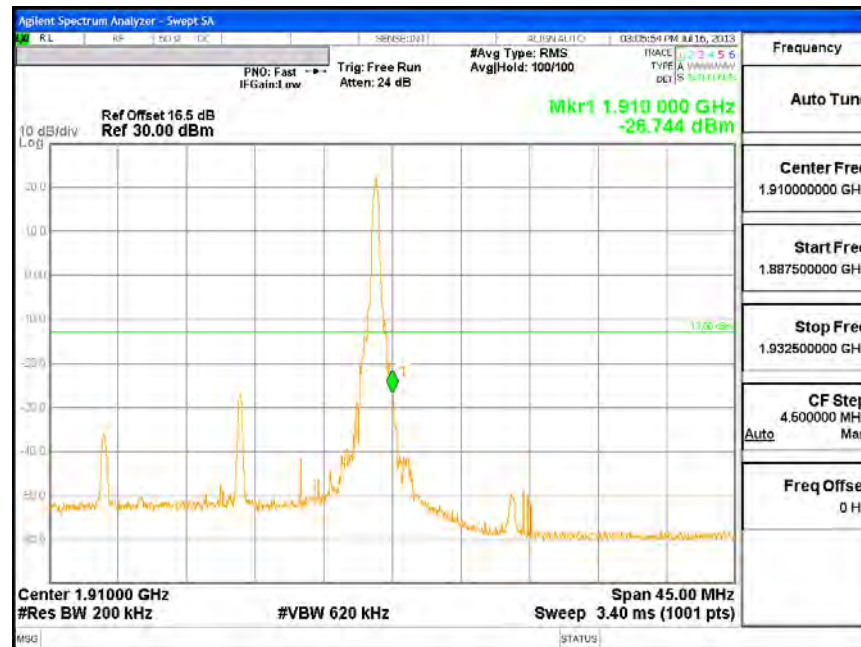
16QAM Band 2 (20.0 MHz BAND WIDTH)

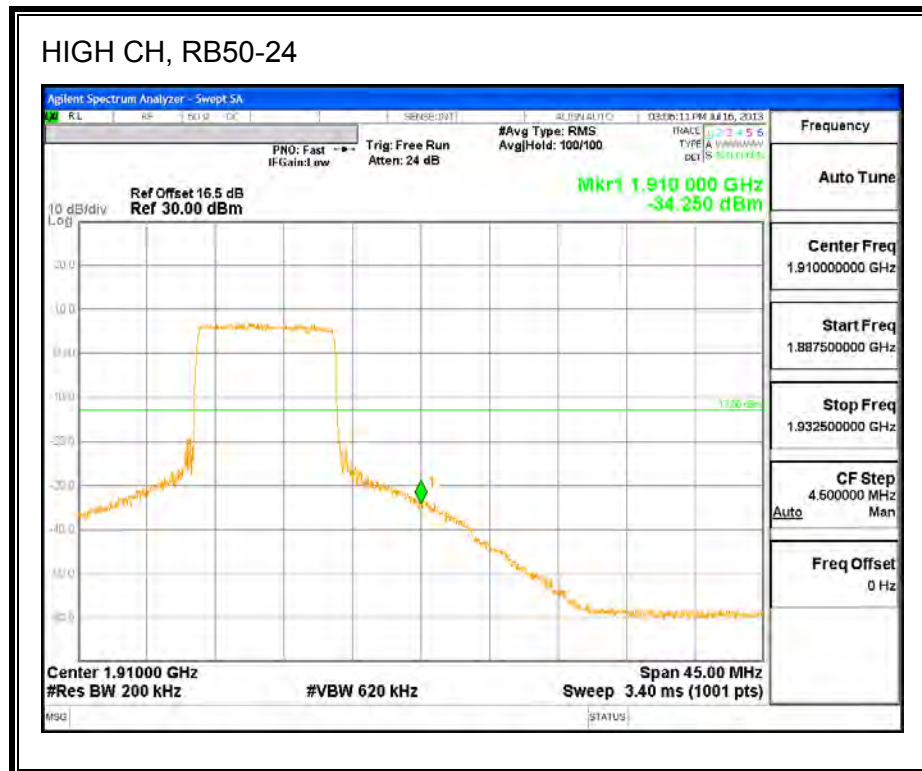
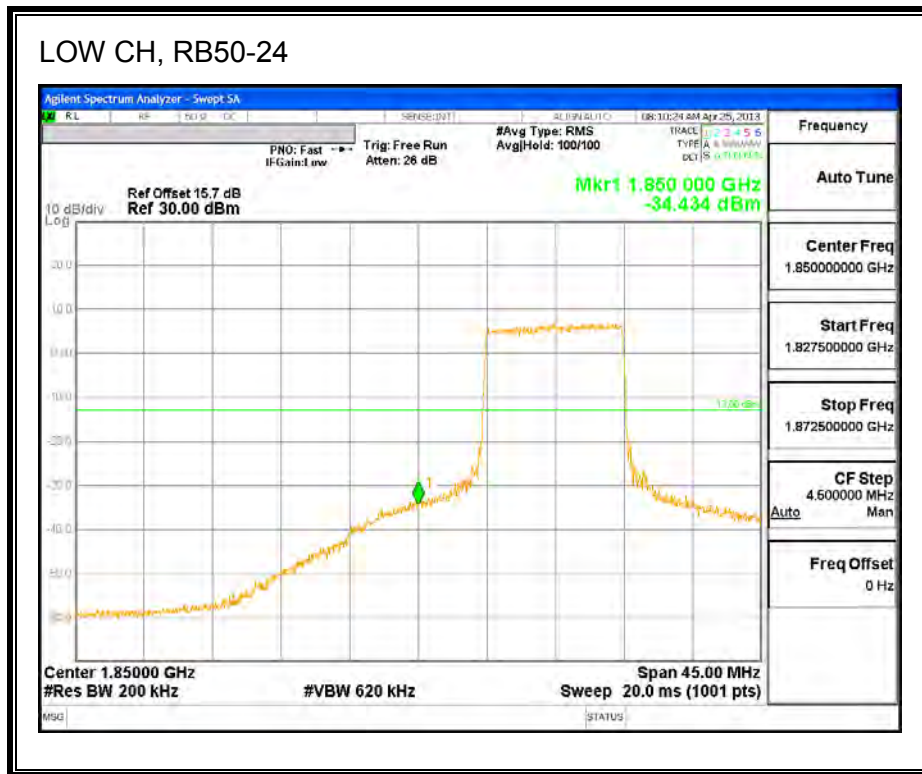


LOW CH, RB1-99

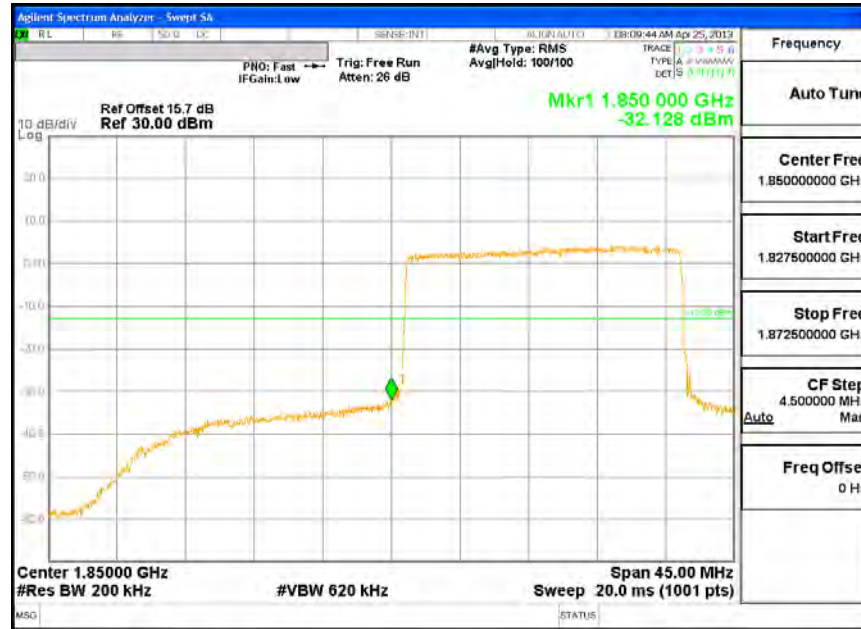


HIGH CH, RB1-99

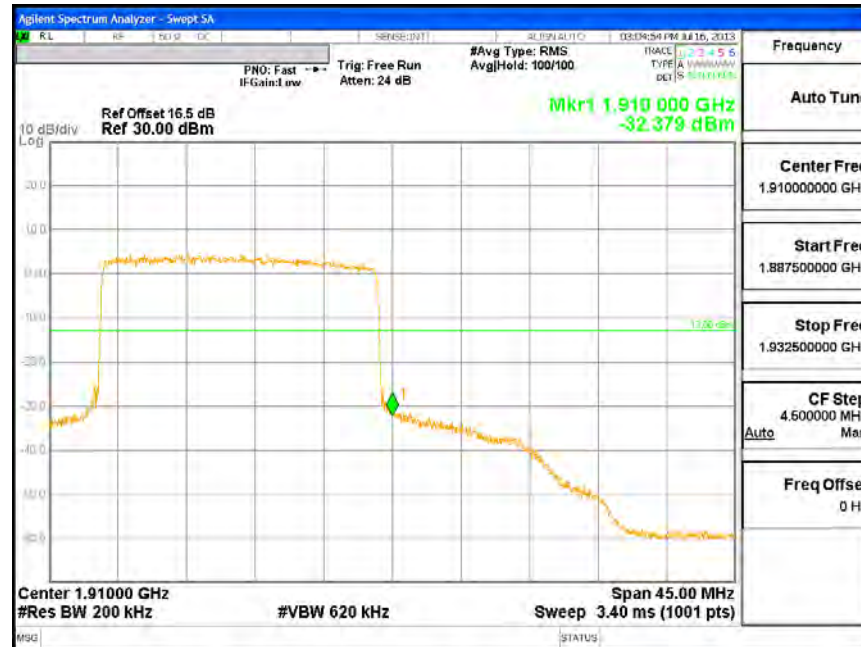




LOW CH, RB100-0

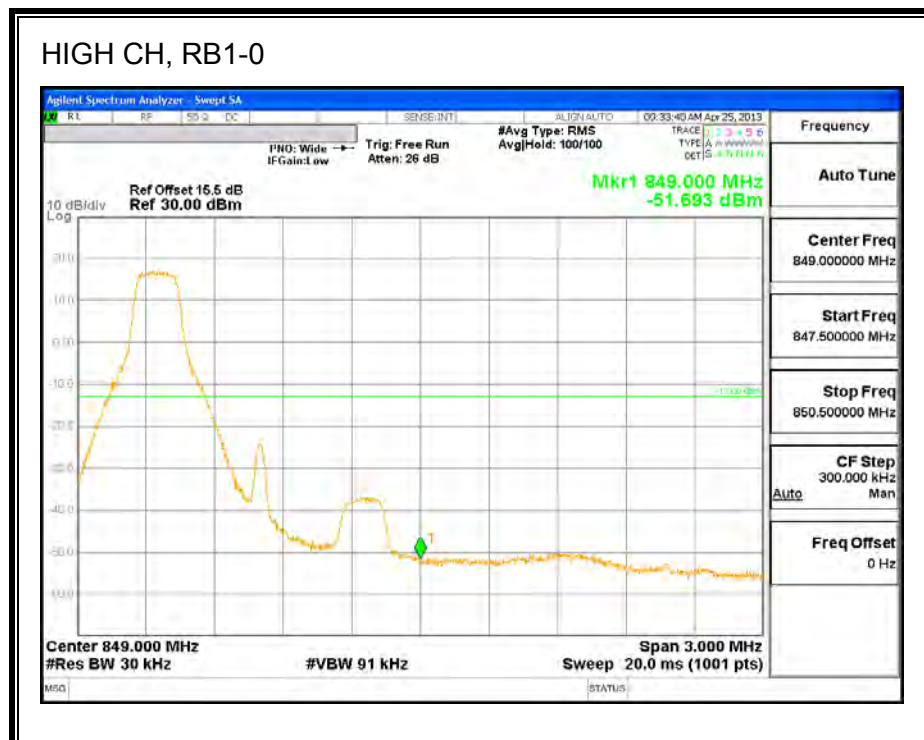
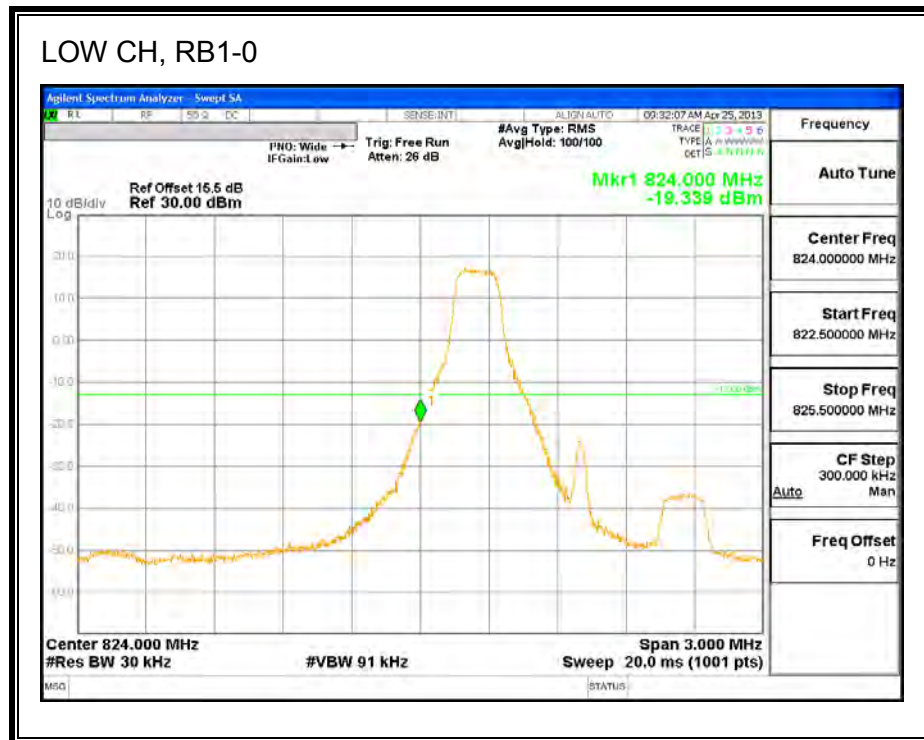


HIGH CH, RB100-0

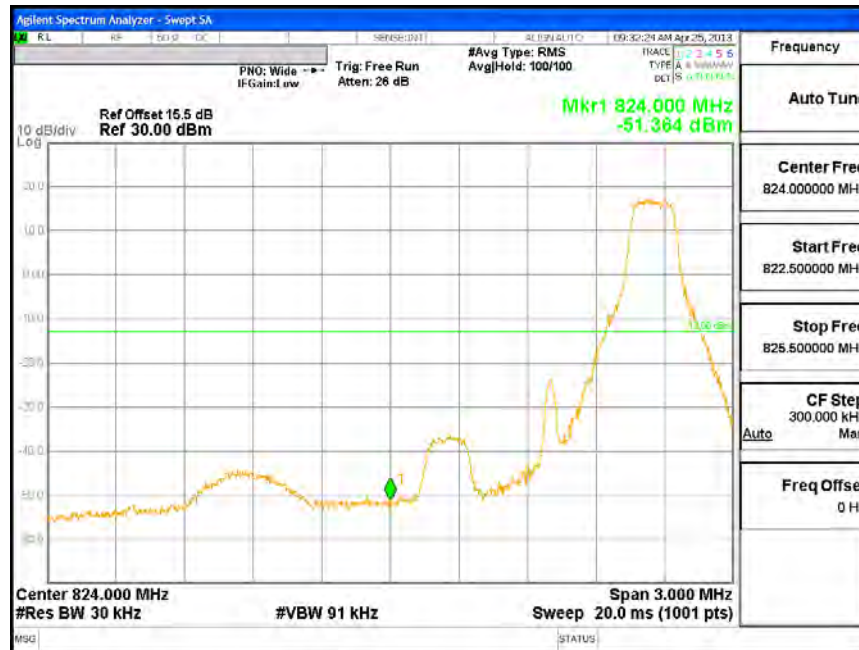


8.2.2. LTE BAND 5

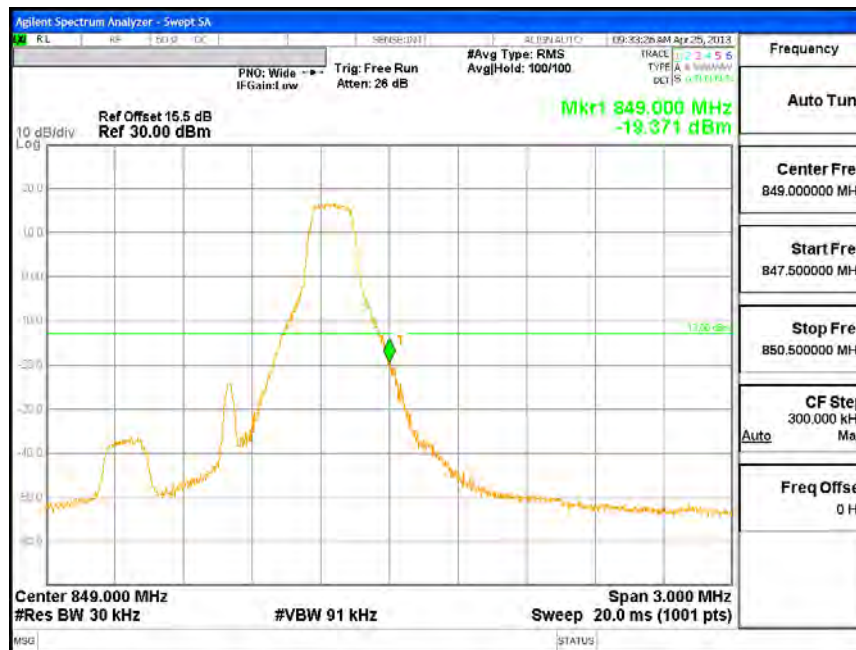
QPSK Band 5 (1.4 MHz BANDWIDTH)

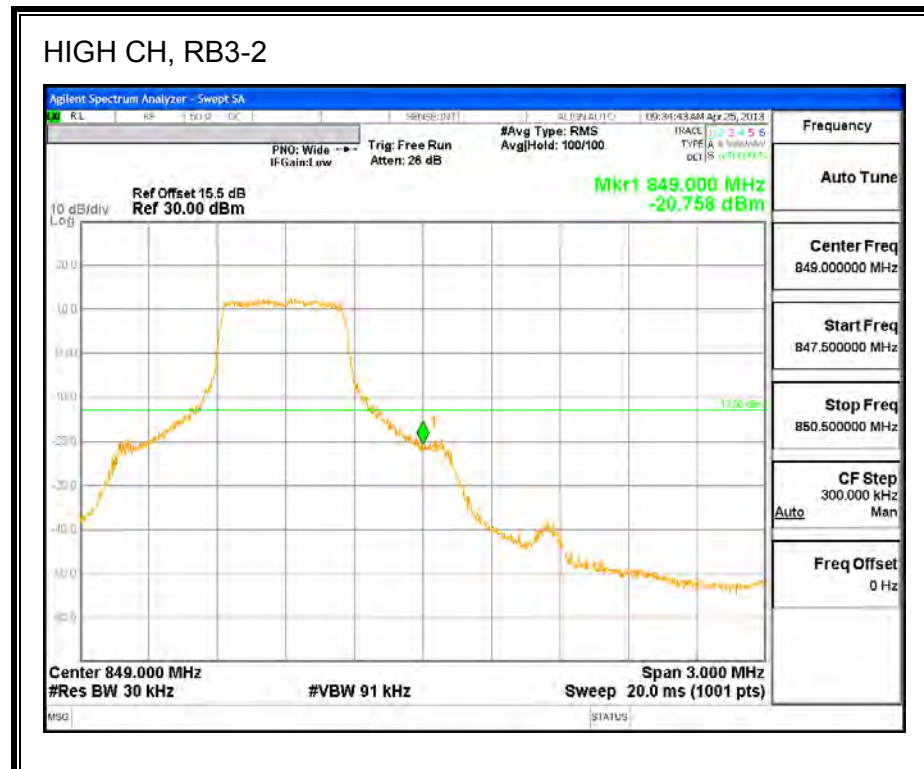
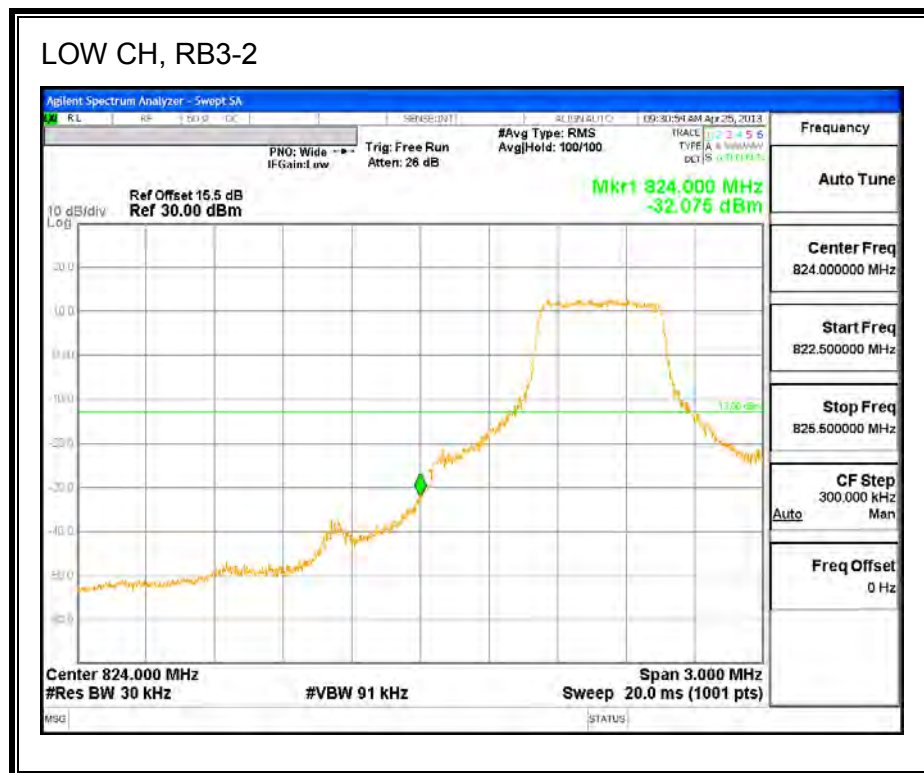


LOW CH, RB1-5

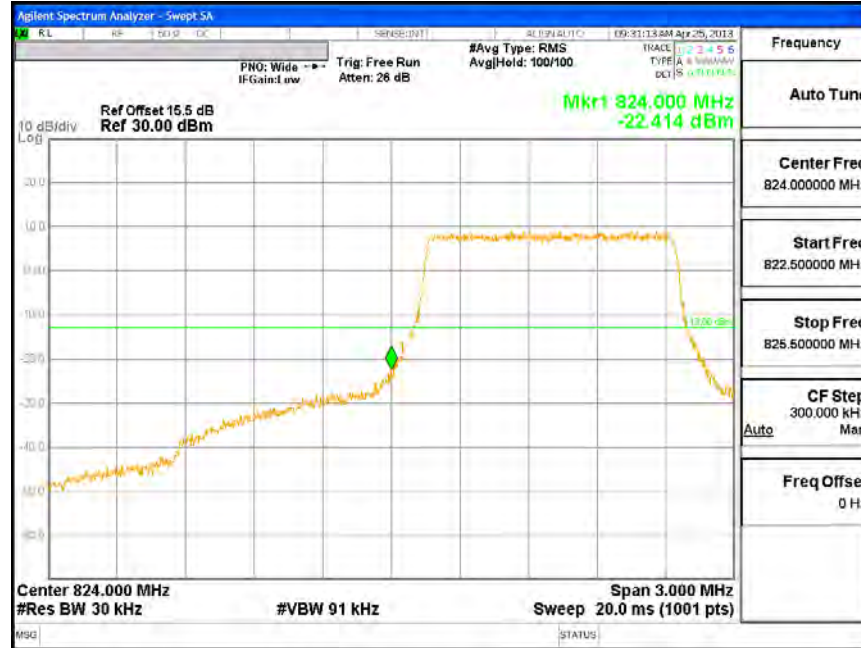


HIGH CH, RB1-5





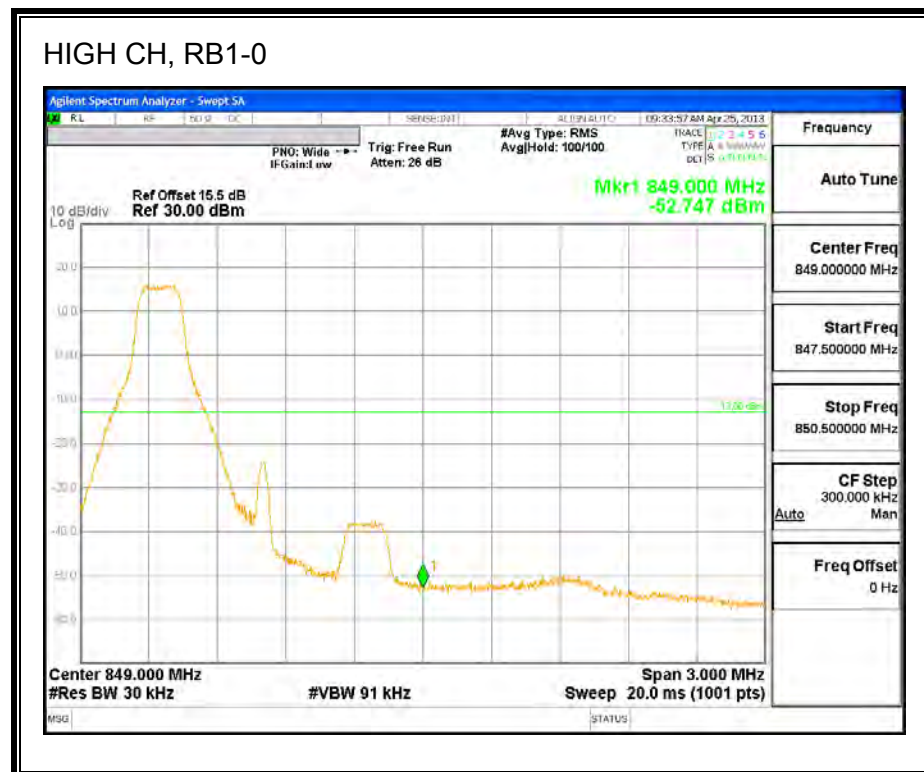
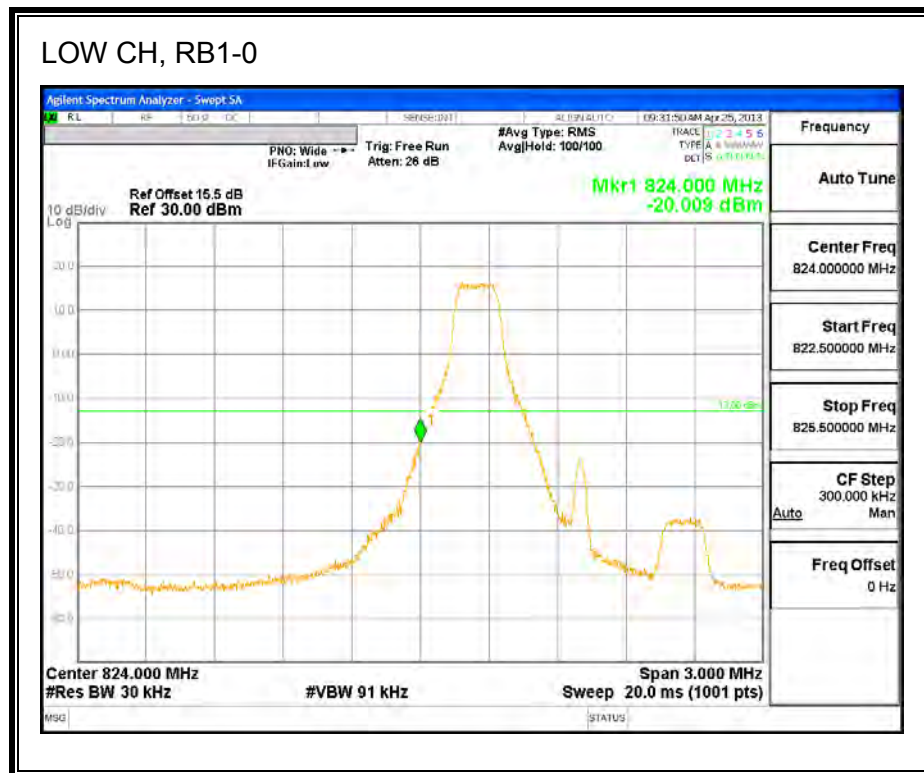
LOW CH, RB6-0

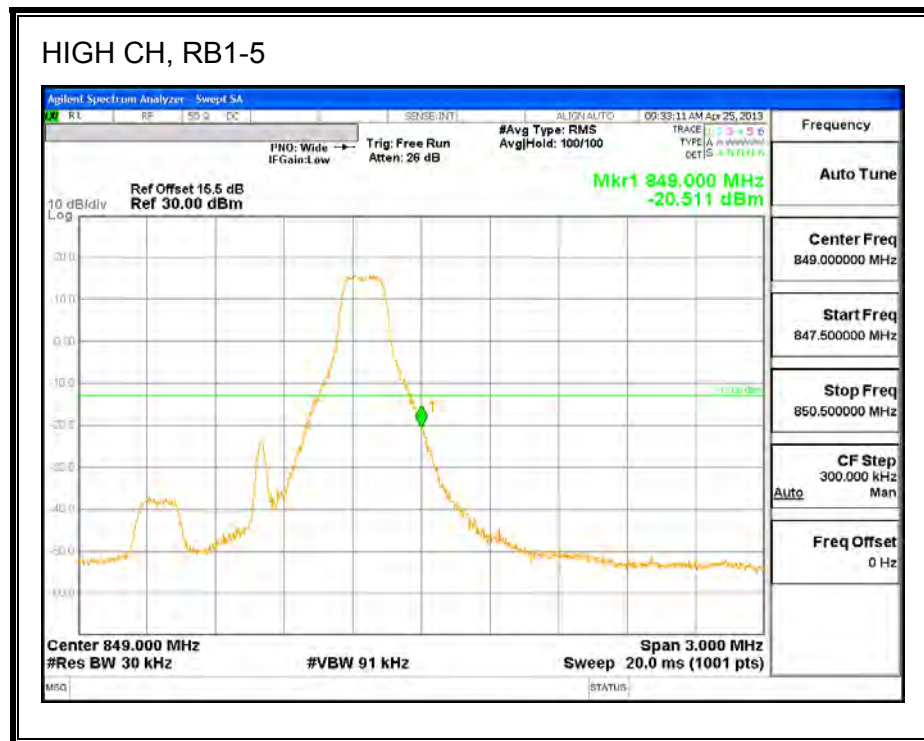
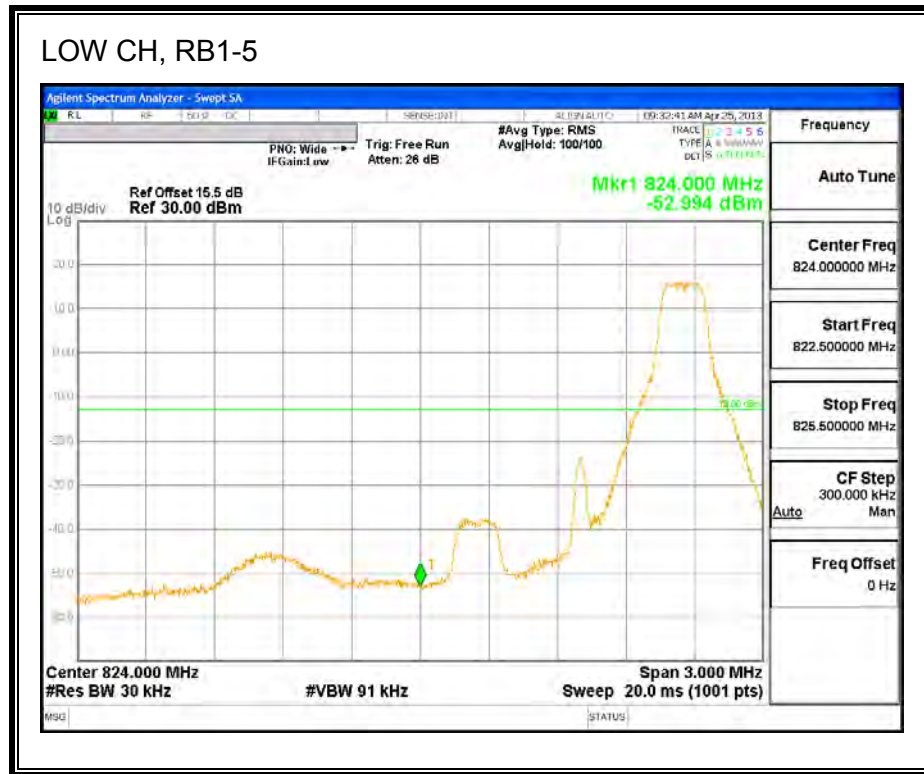


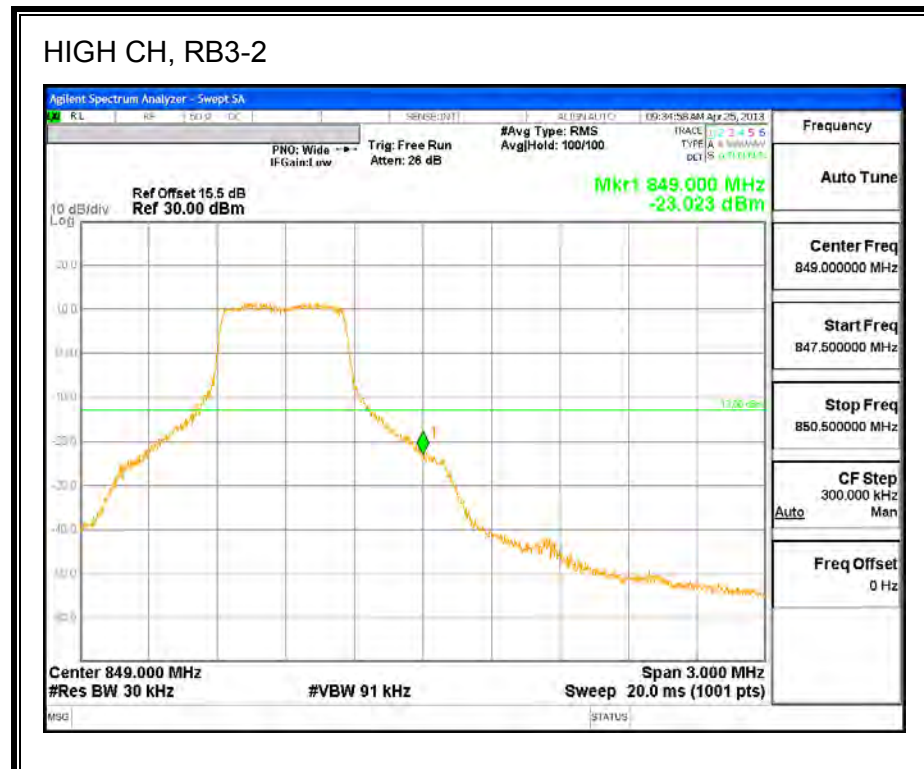
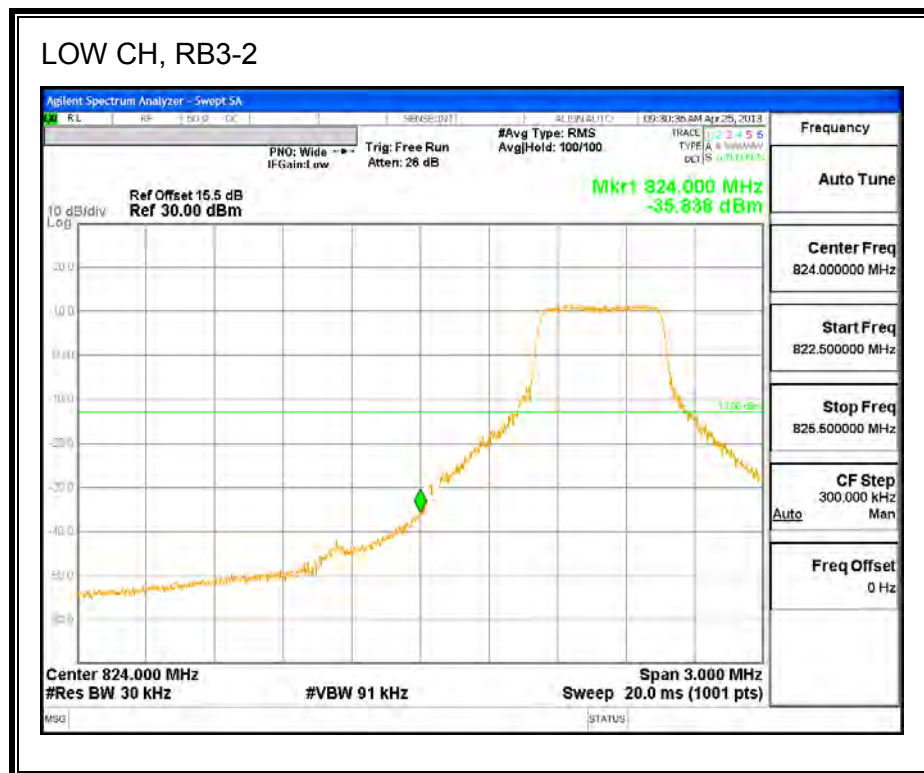
HIGH CH, RB6-0

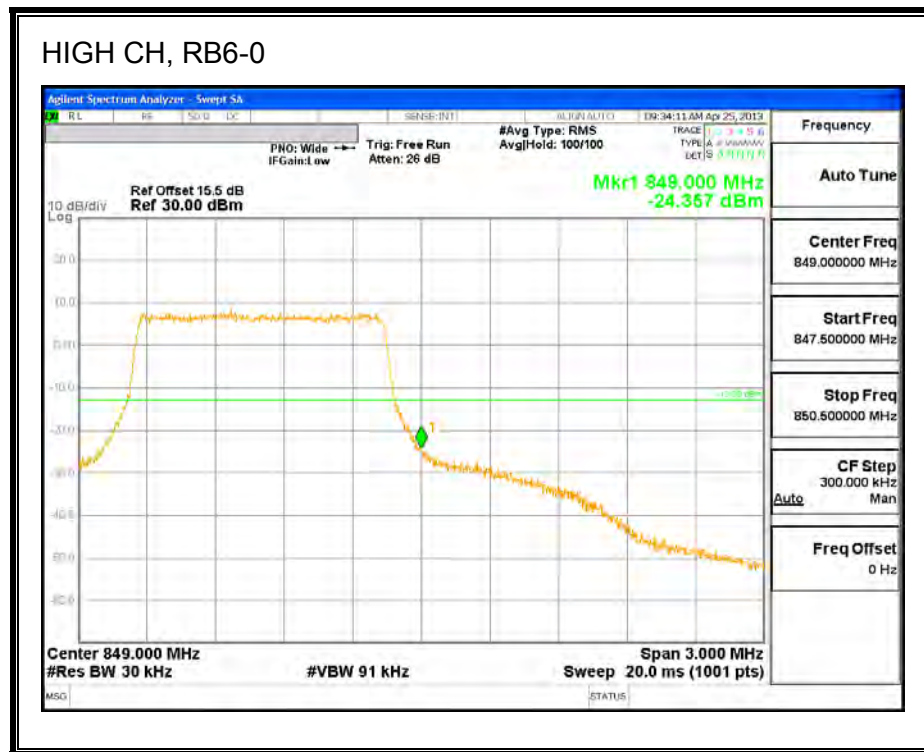
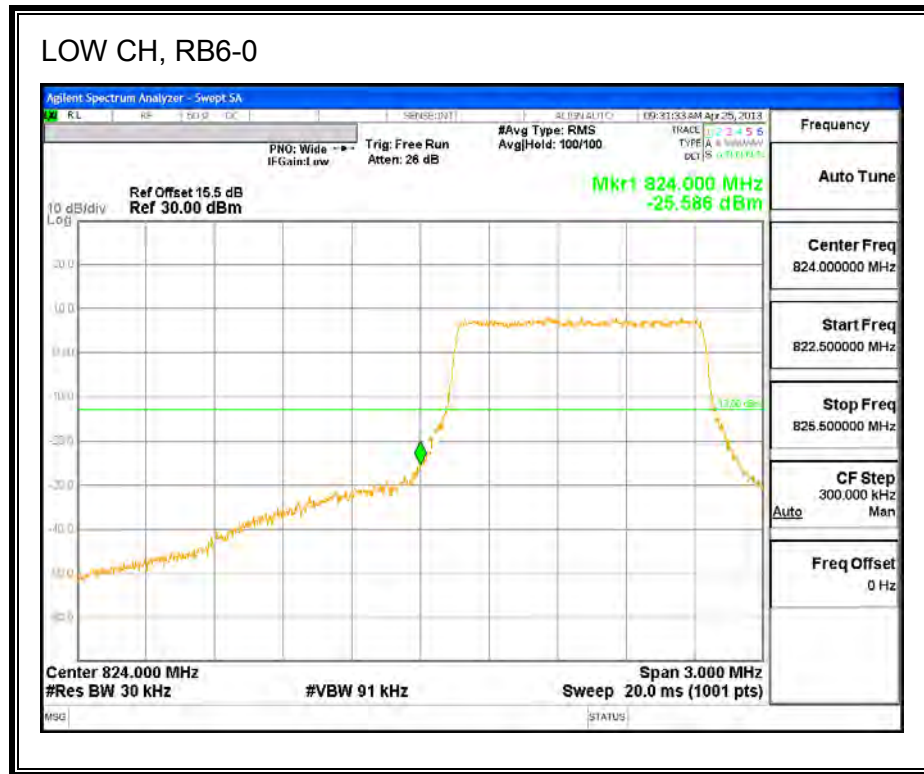


16QAM Band 5 (1.4 MHz BANDWIDTH)

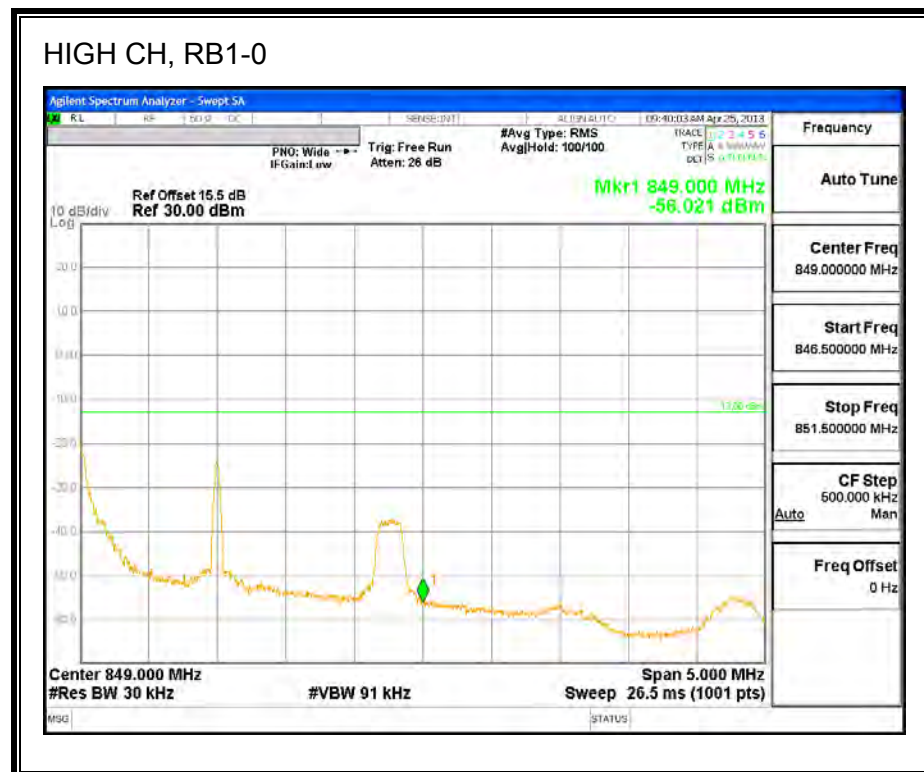
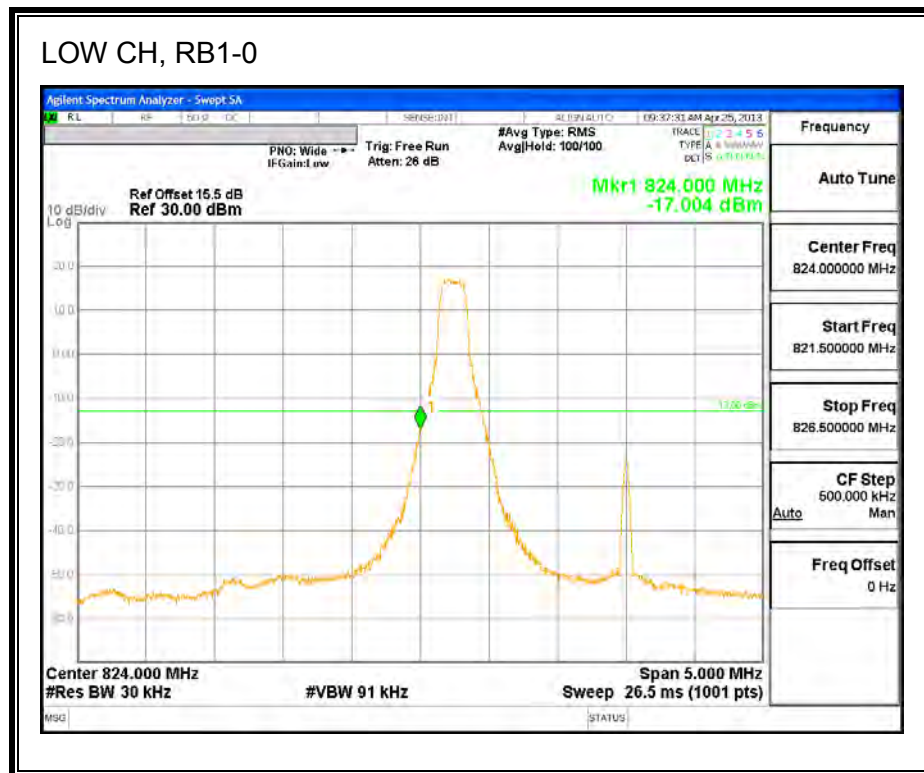




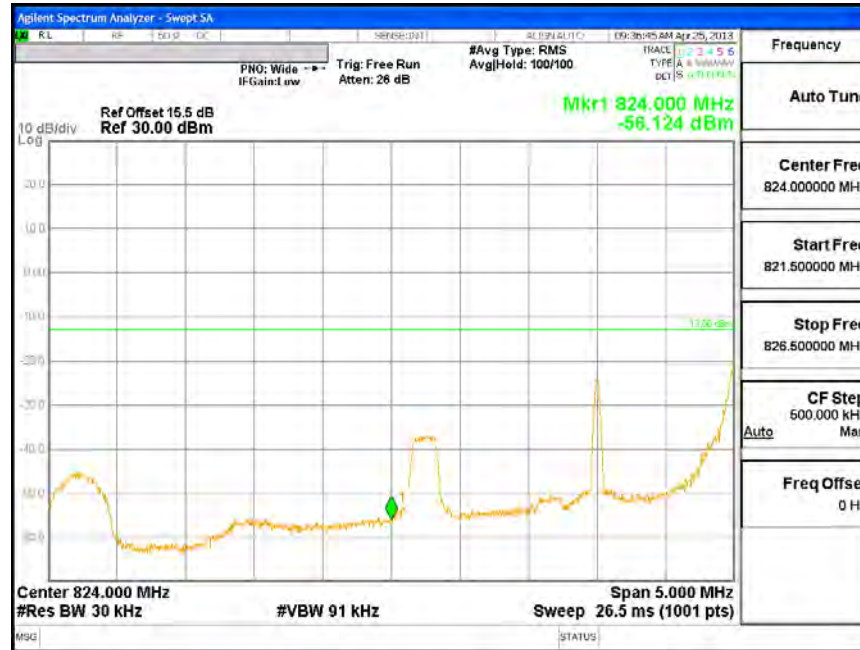




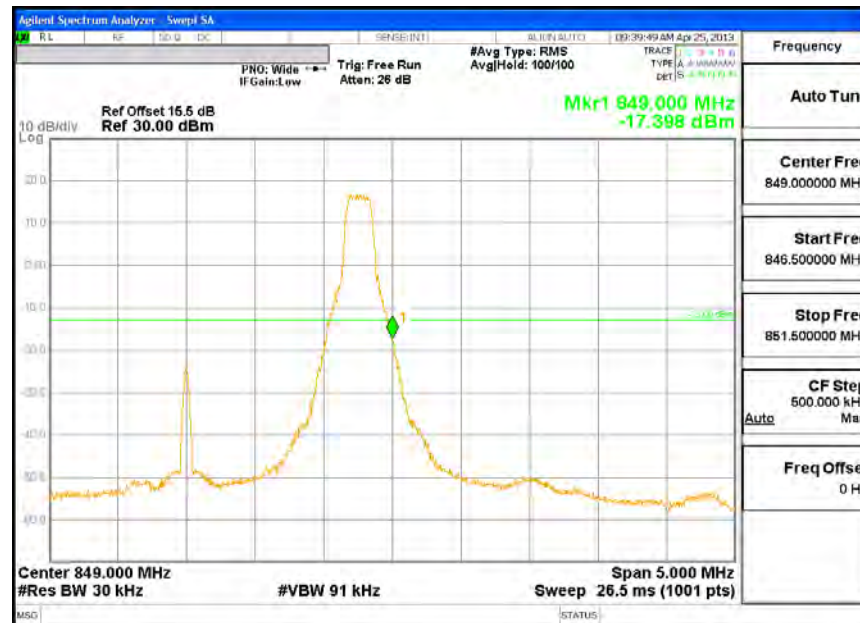
QPSK Band 5 (3 MHz BANDWIDTH)

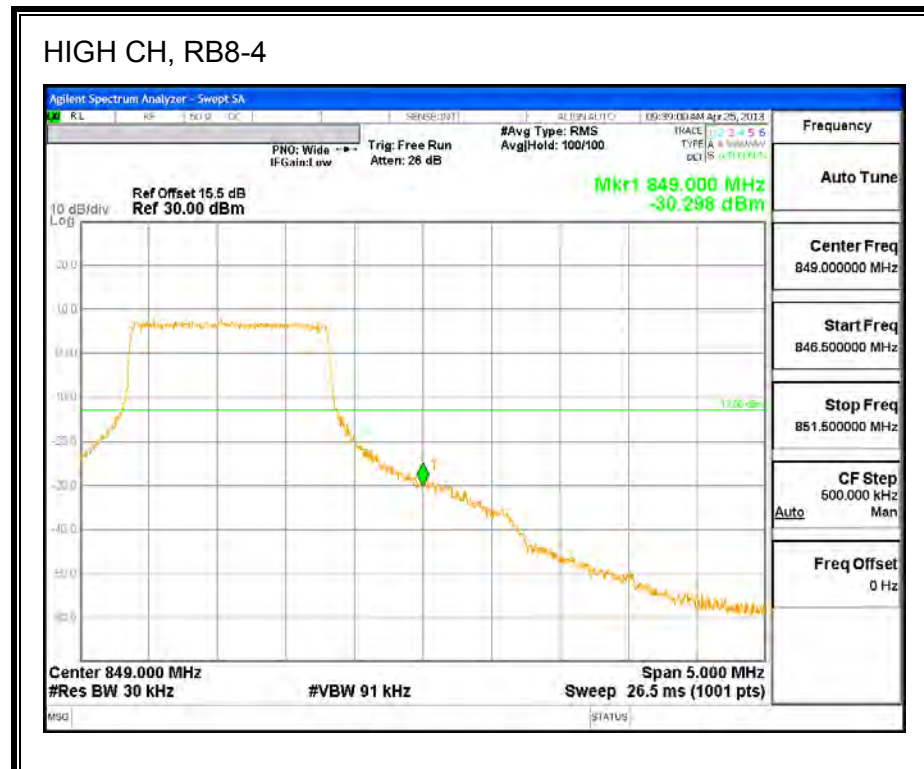
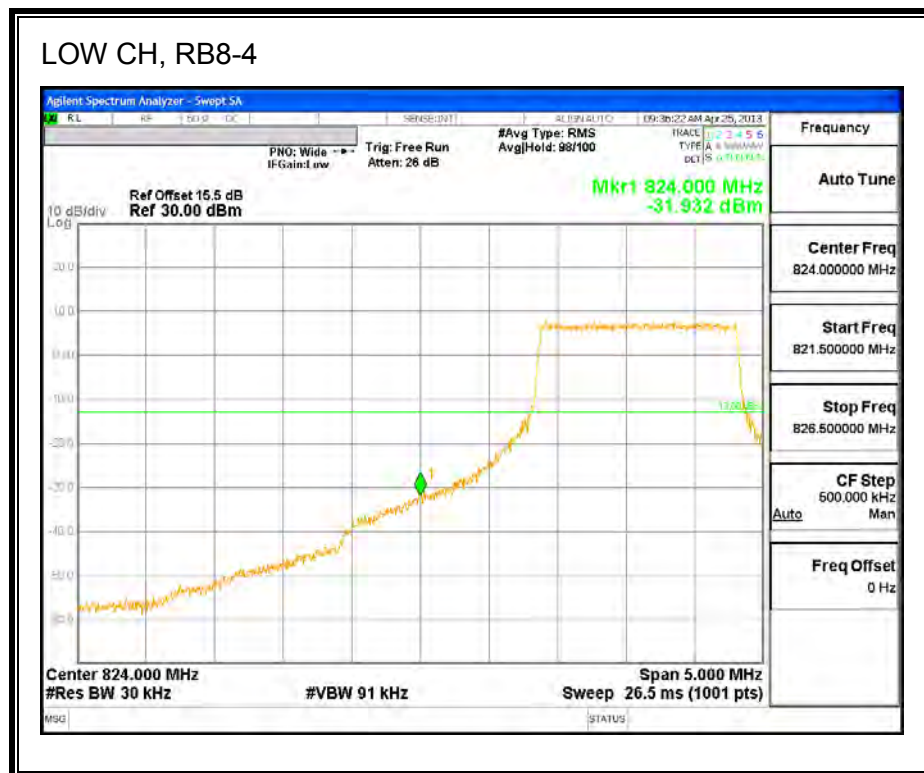


LOW CH, RB1-14

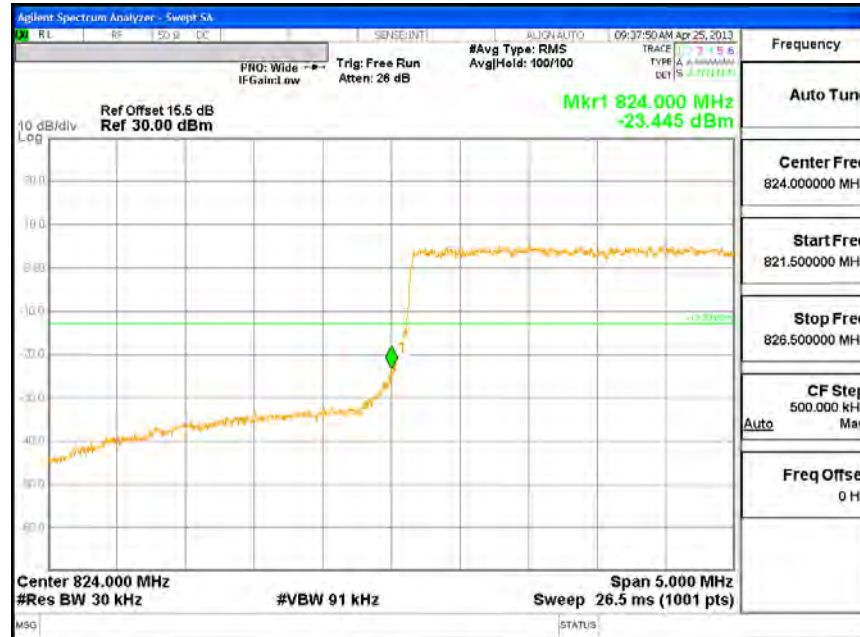


HIGH CH, RB1-14





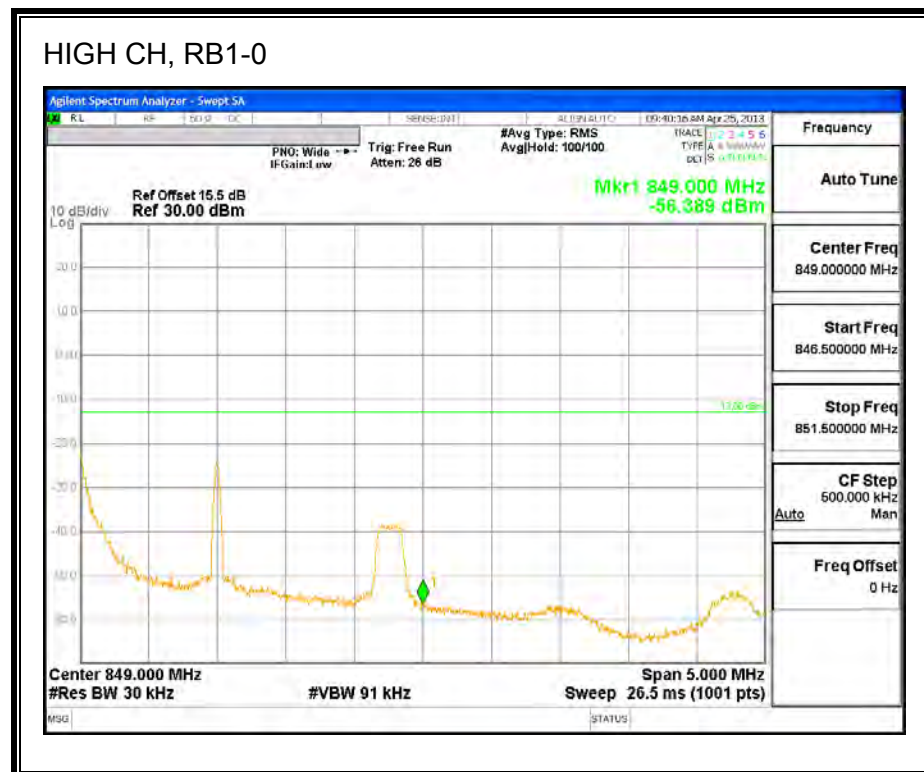
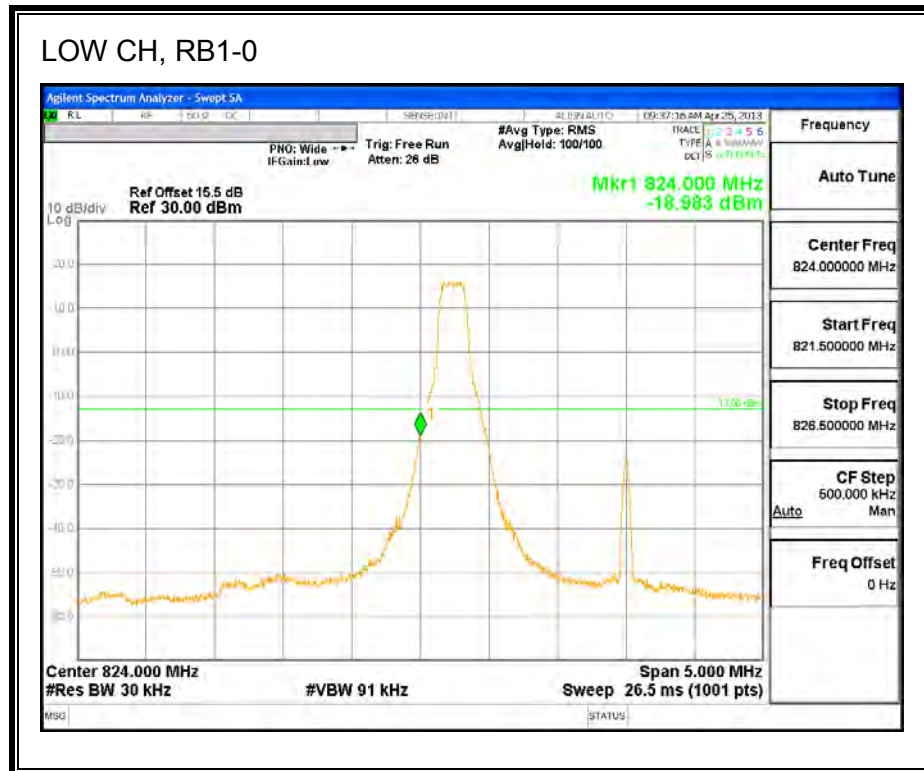
LOW CH, RB15-0



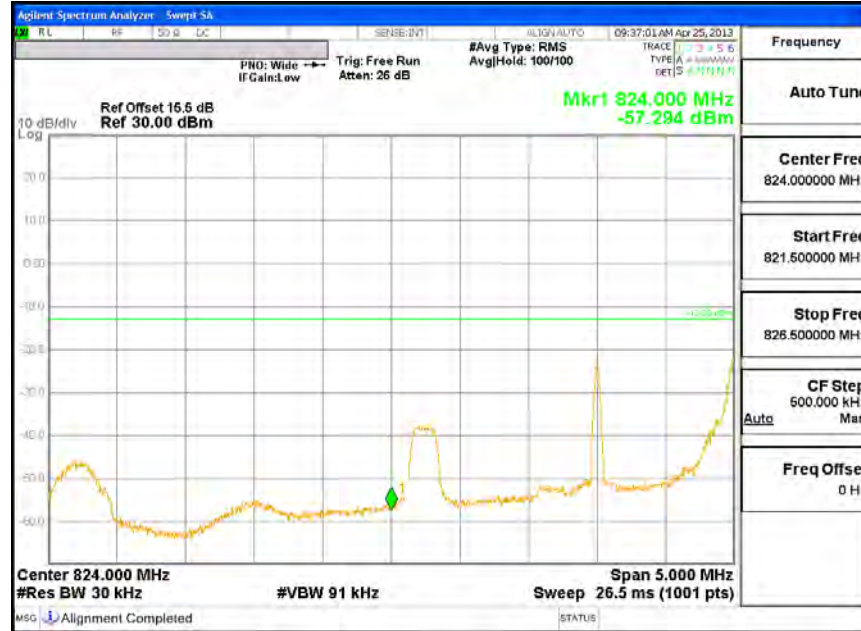
HIGH CH, RB15-0



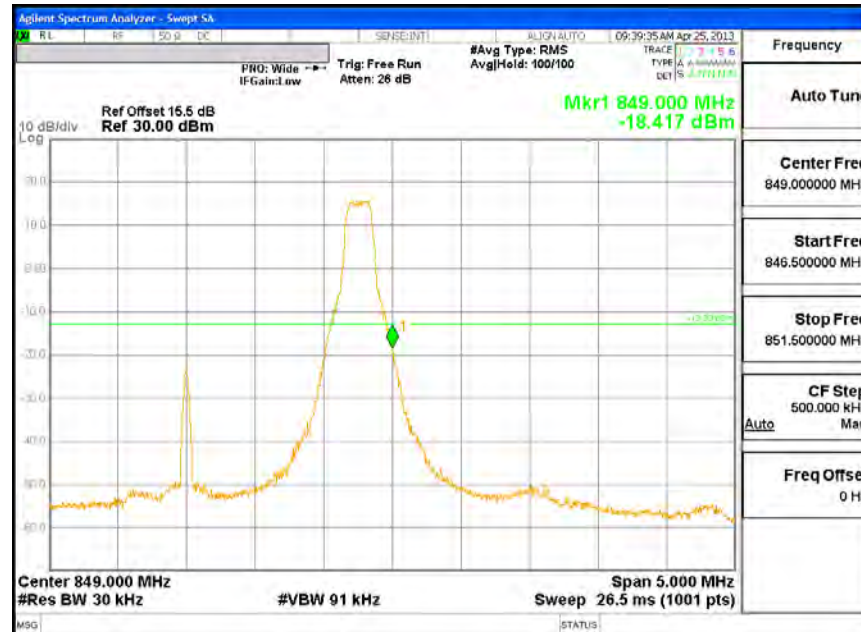
16QAM Band 5 (3 MHz BANDWIDTH)

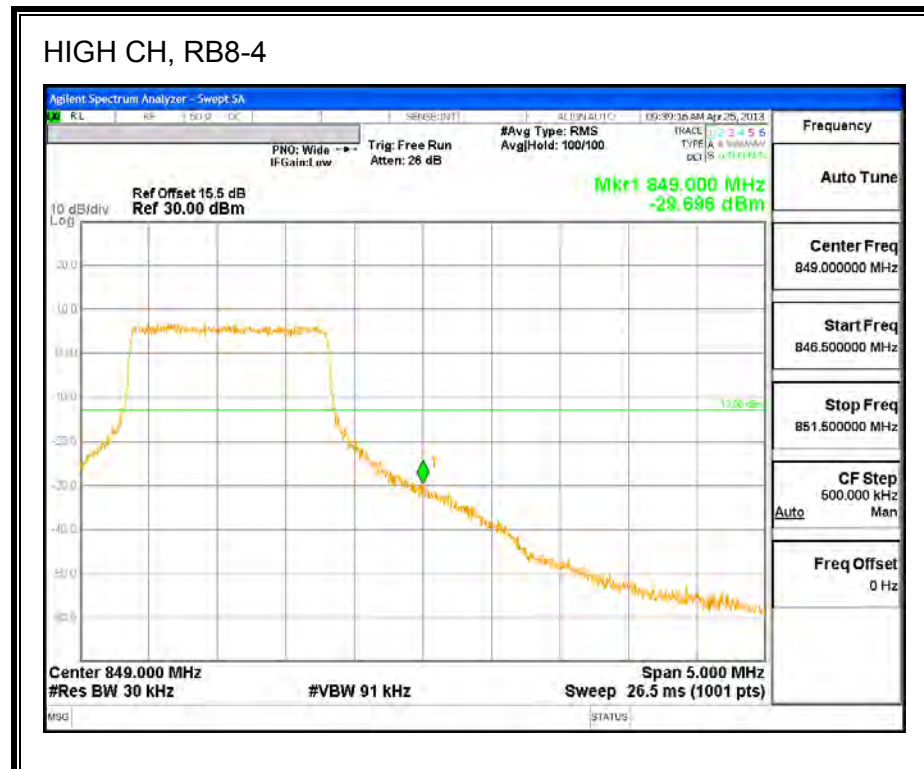
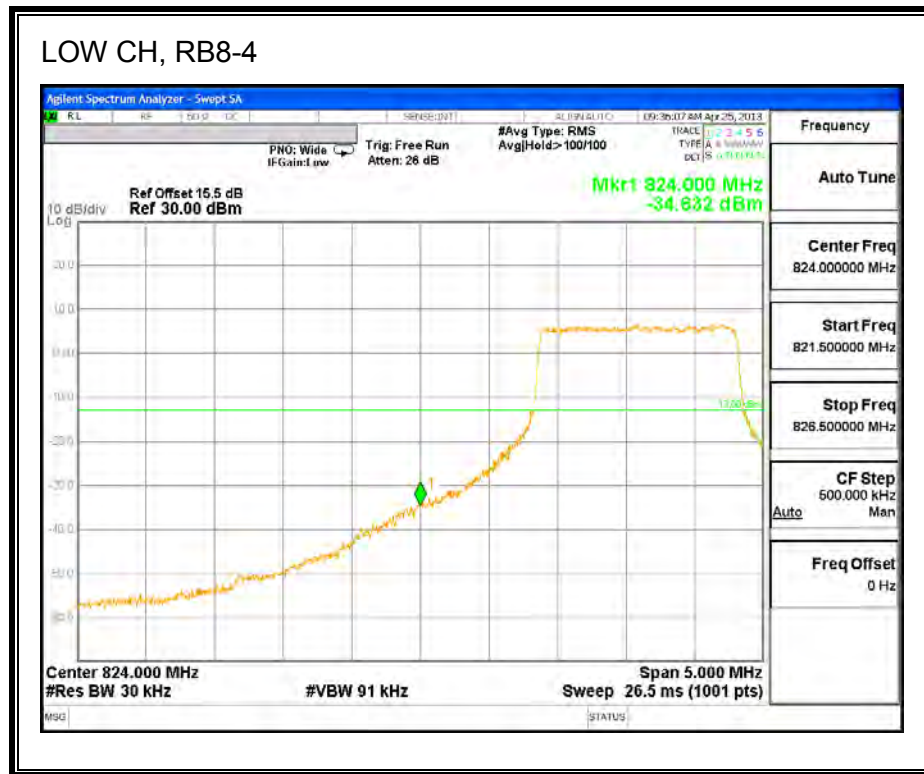


LOW CH, RB1-14

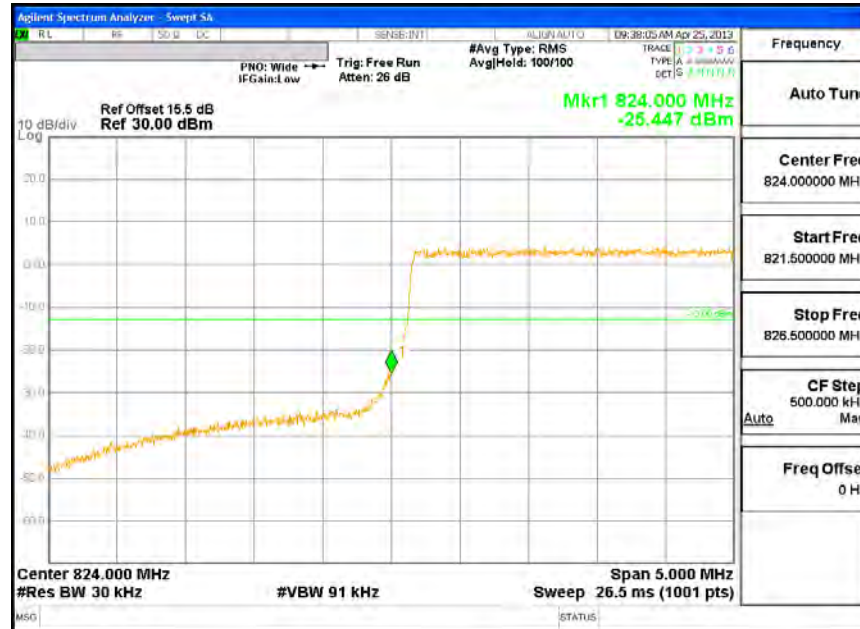


HIGH CH, RB1-14

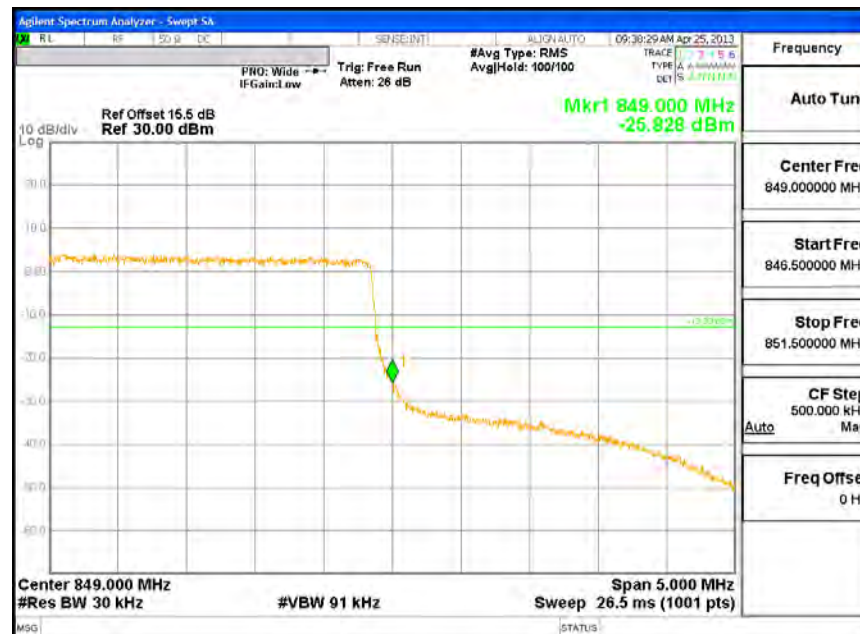




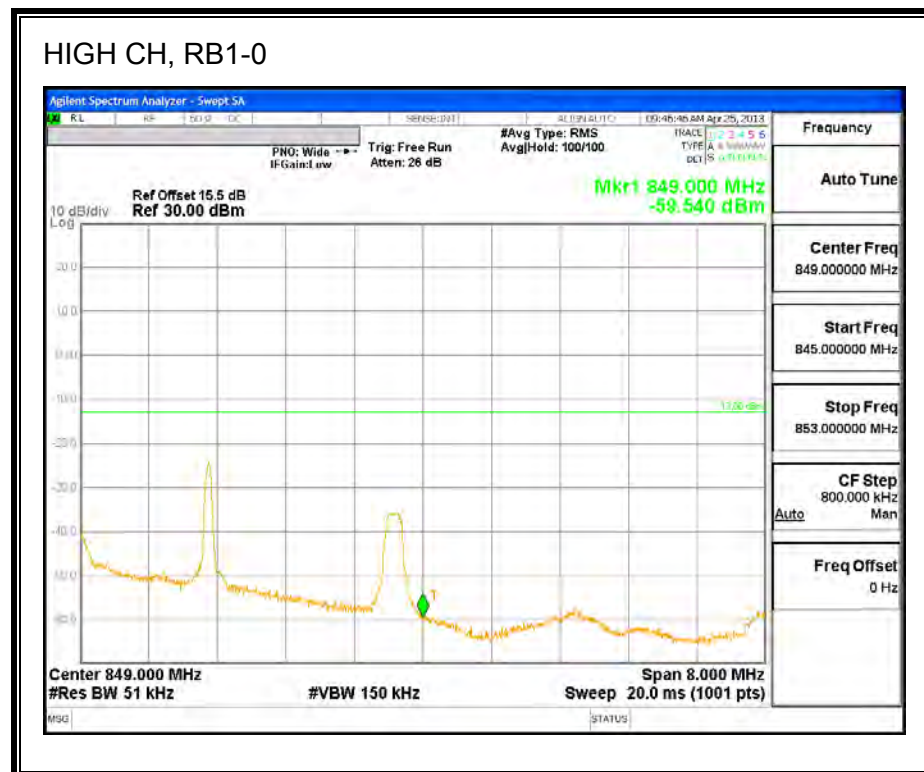
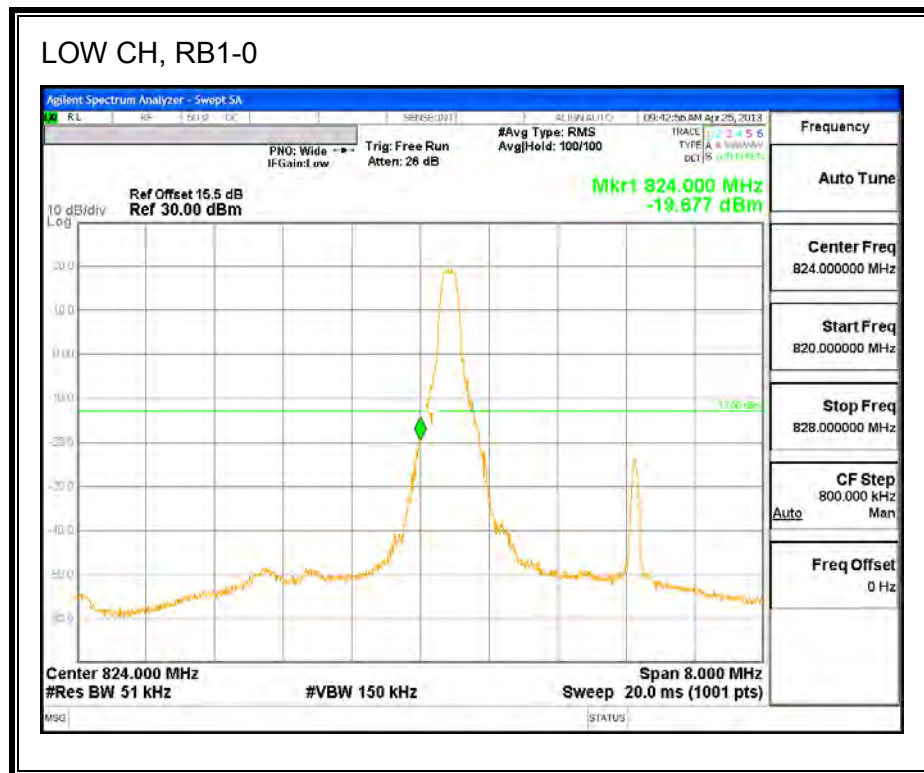
LOW CH, RB15-0



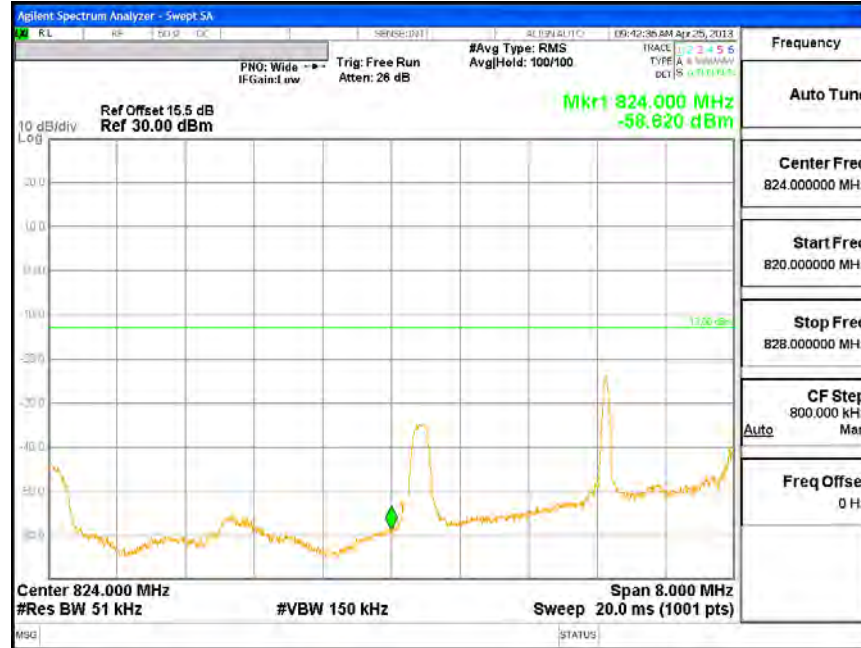
HIGH CH, RB15-0



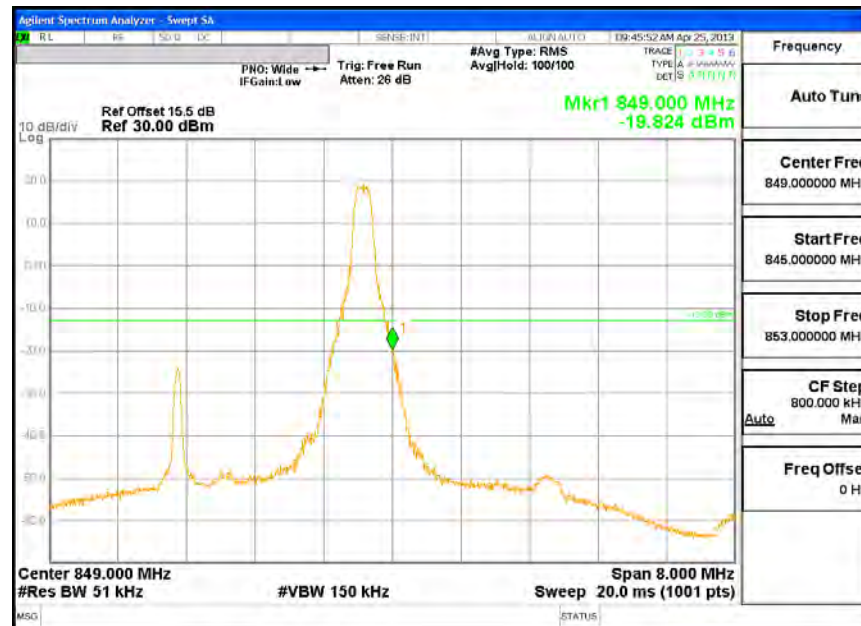
QPSK Band 5 (5 MHz BANDWIDTH)

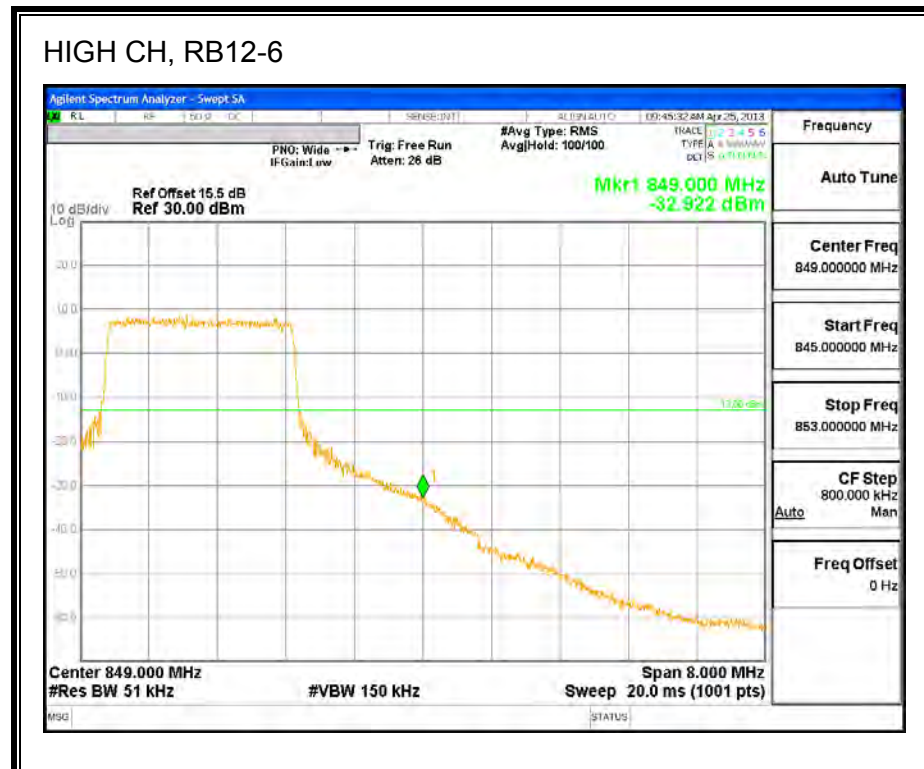
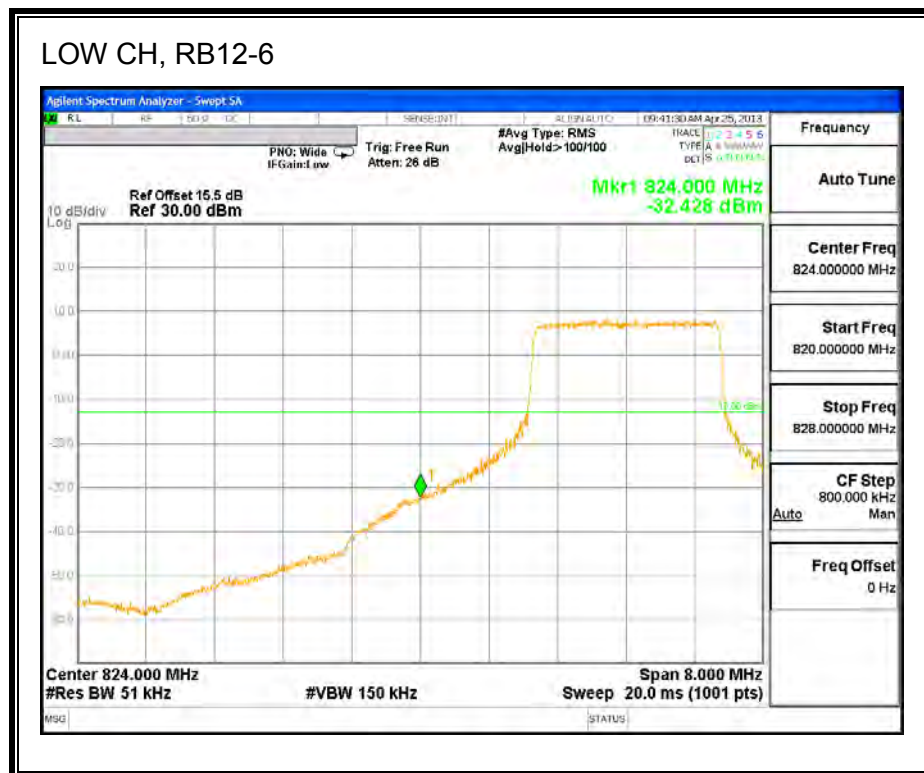


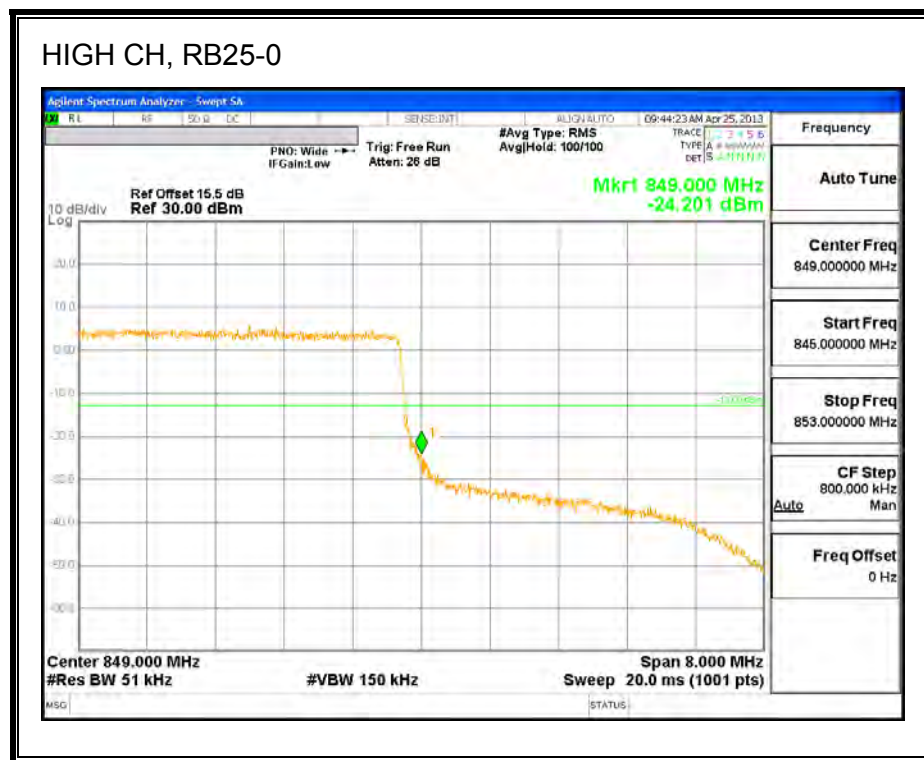
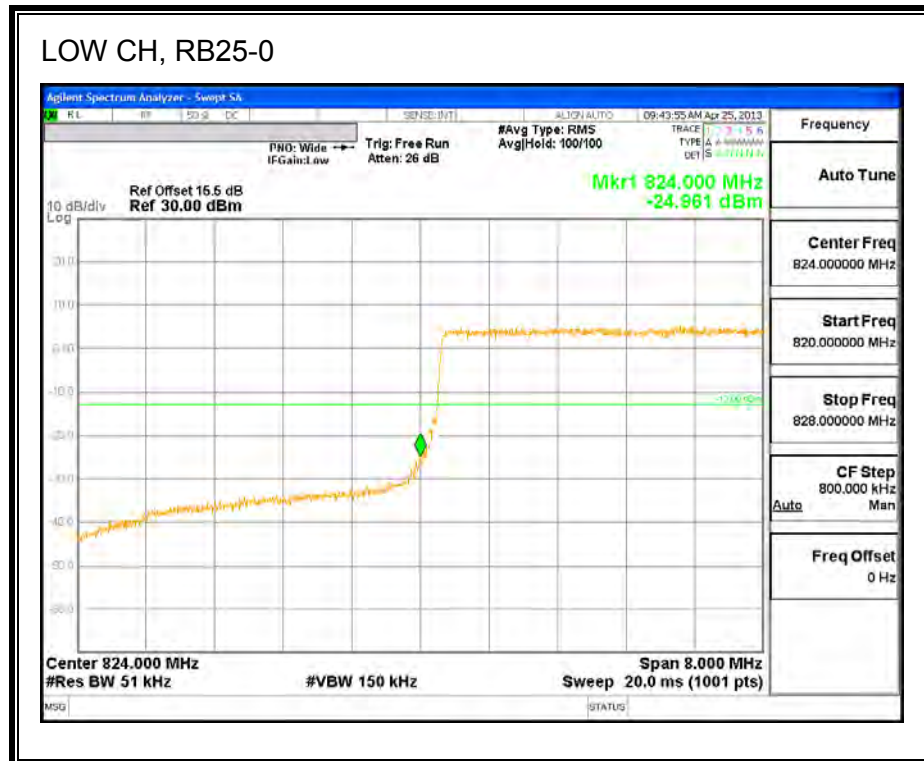
LOW CH, RB1-24



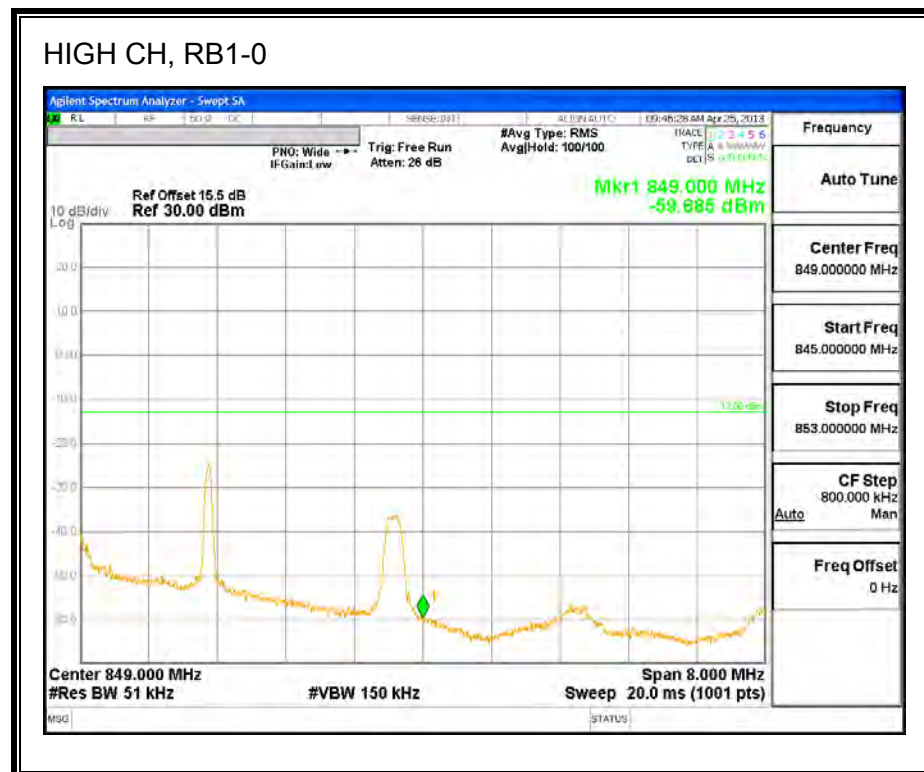
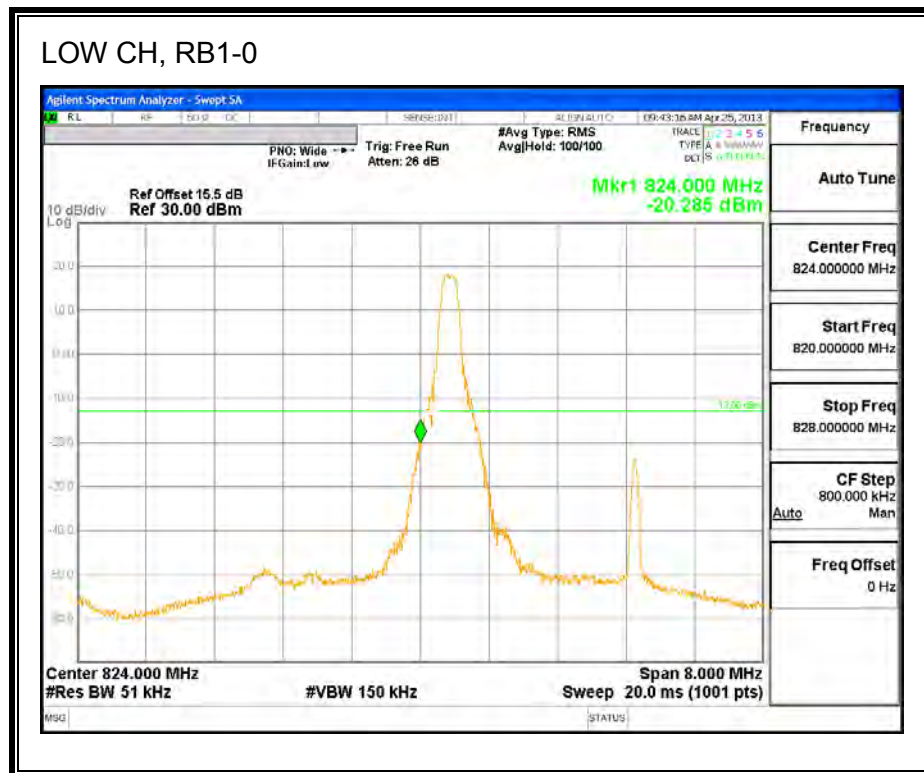
HIGH CH, RB1-24



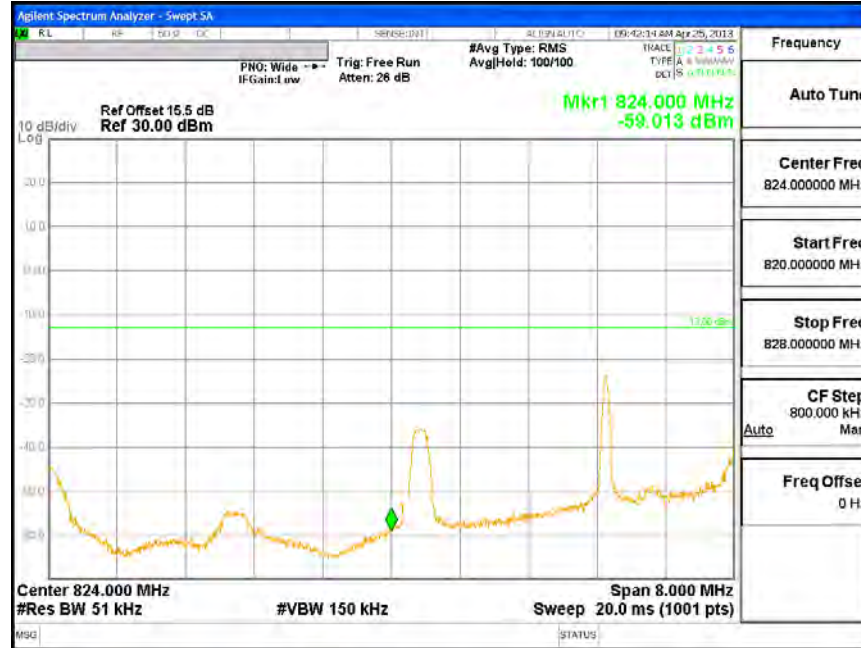




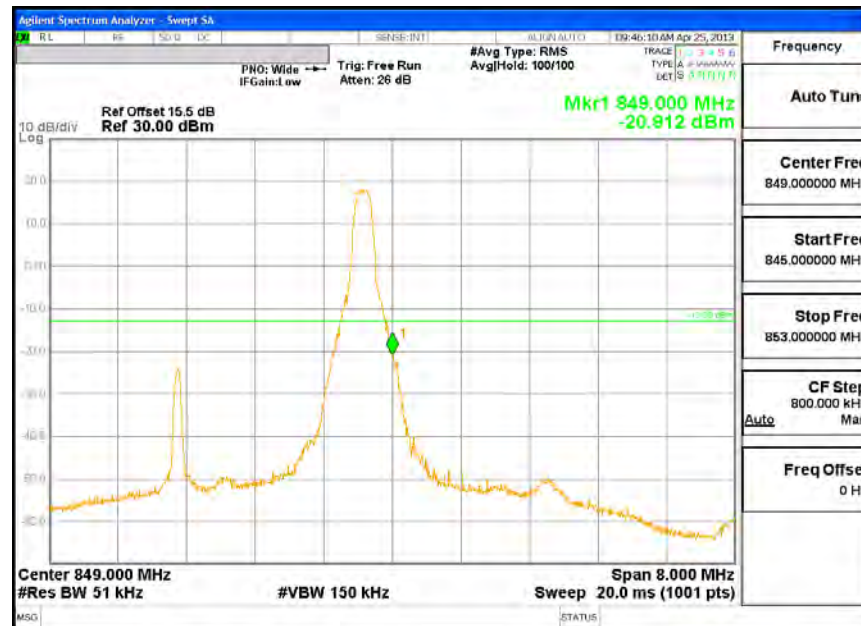
16QAM Band 5 (5 MHz BANDWIDTH)

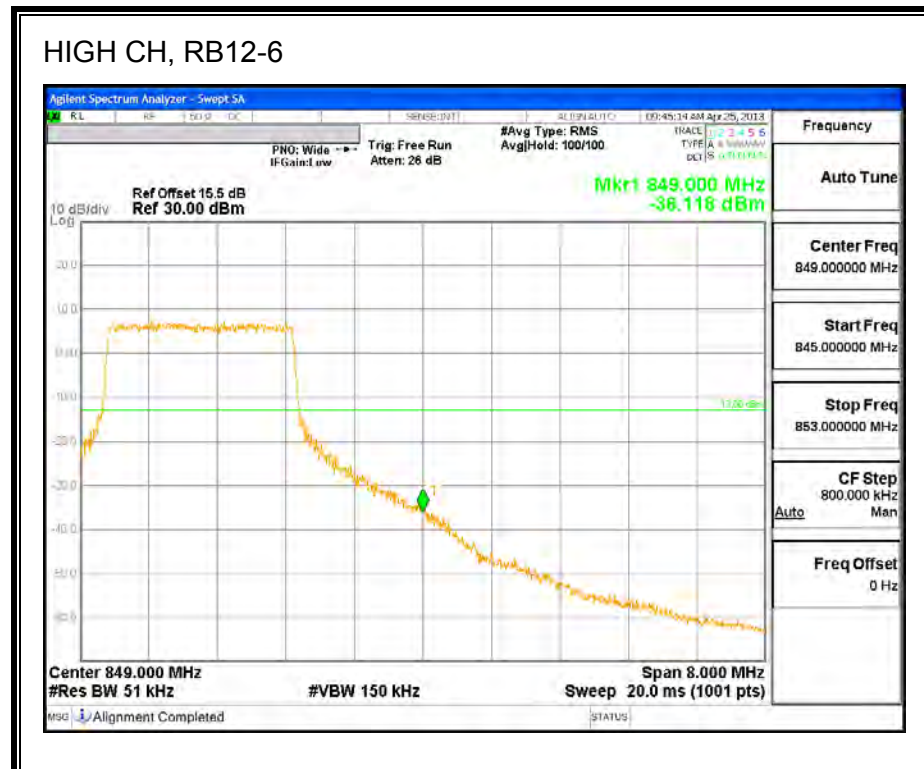
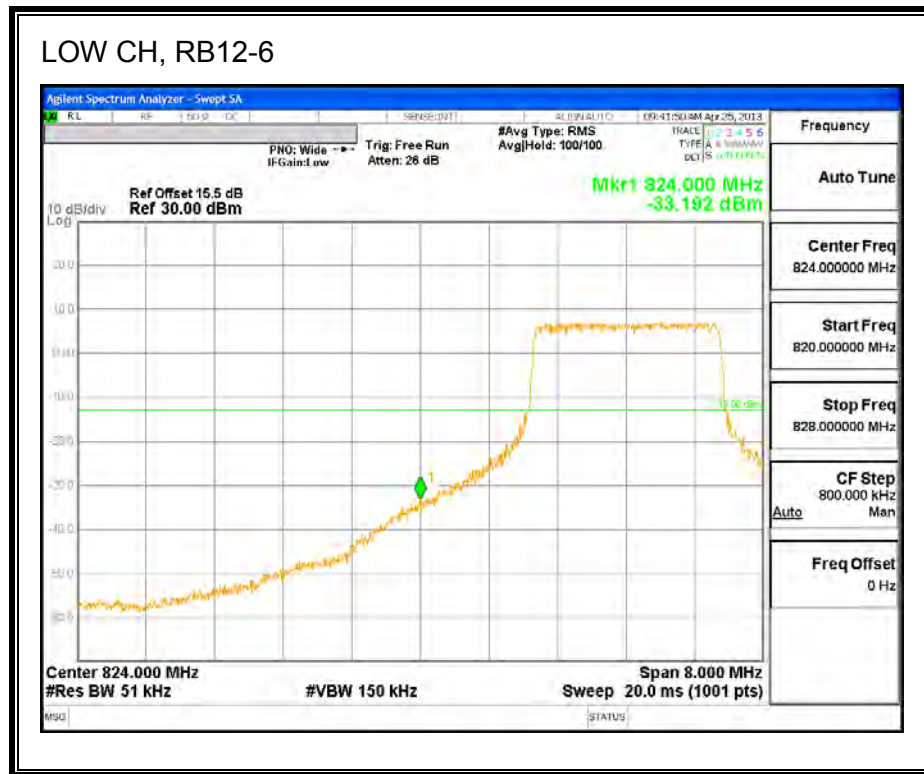


LOW CH, RB1-24

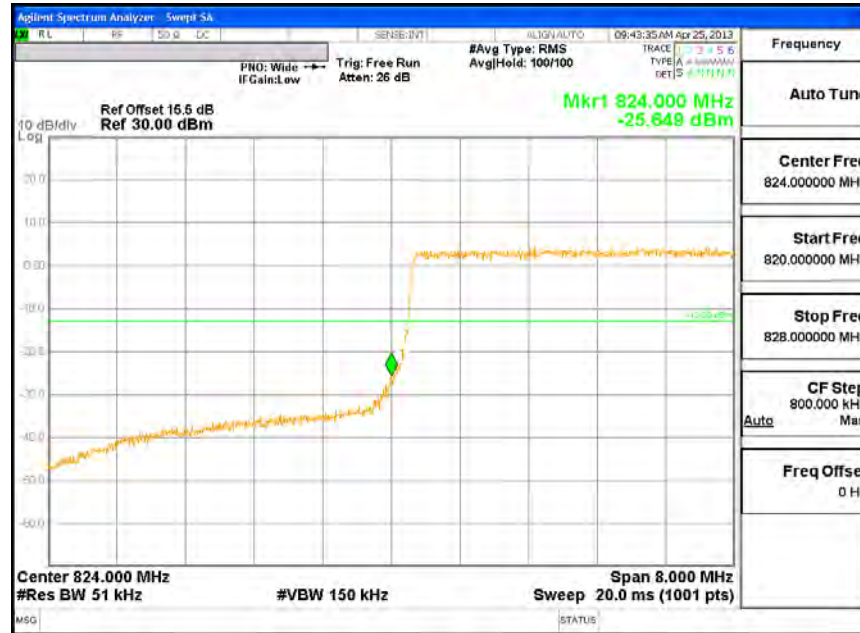


HIGH CH, RB1-24

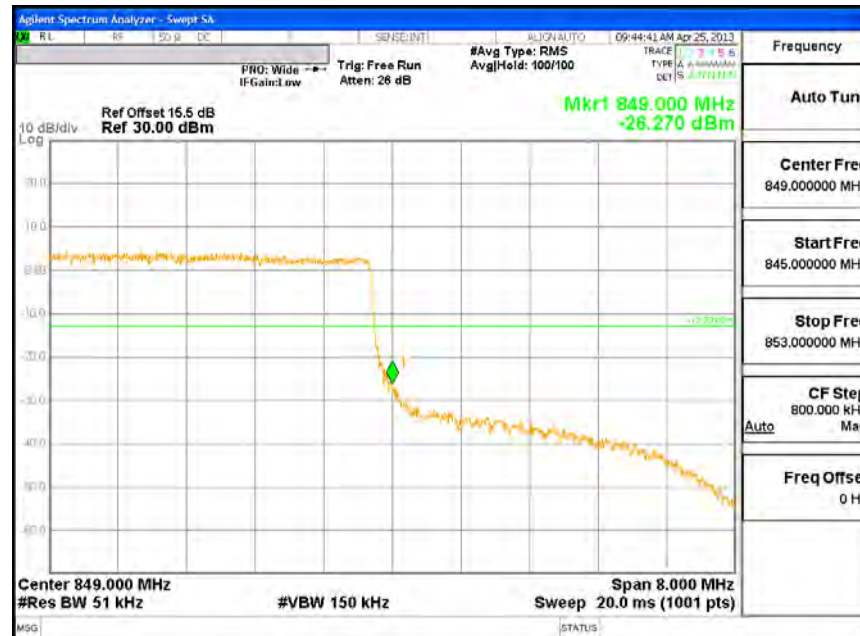




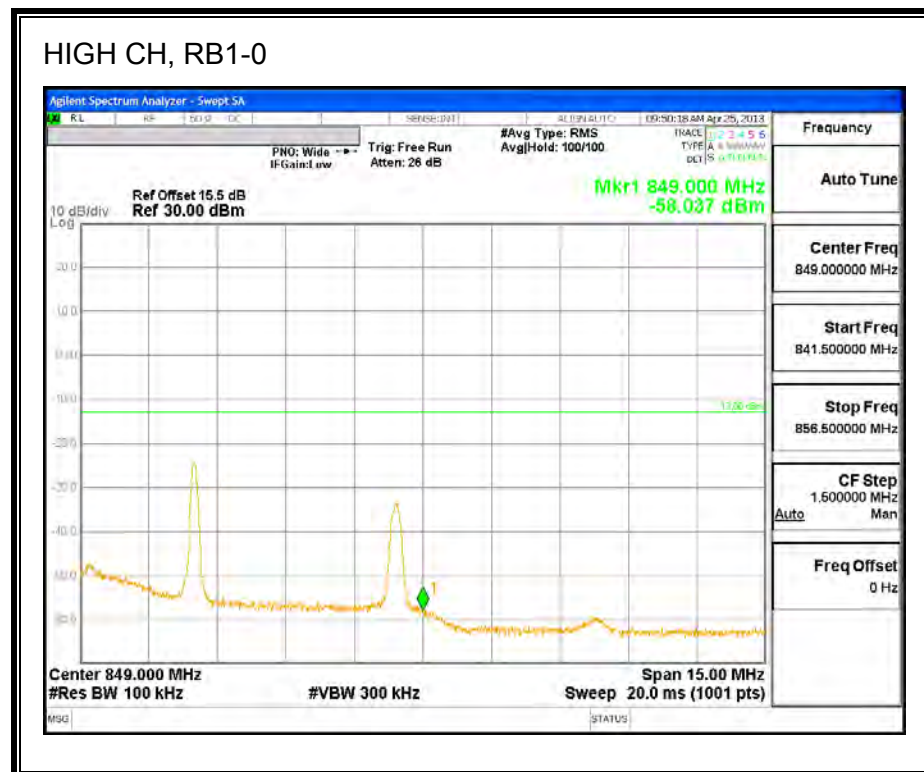
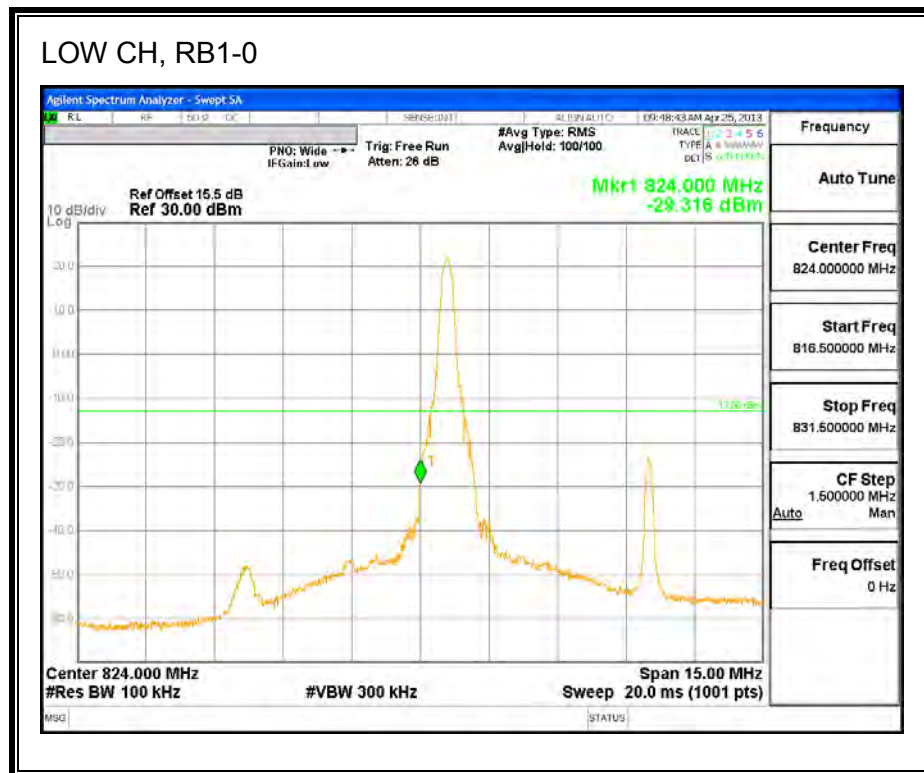
LOW CH, RB25-0



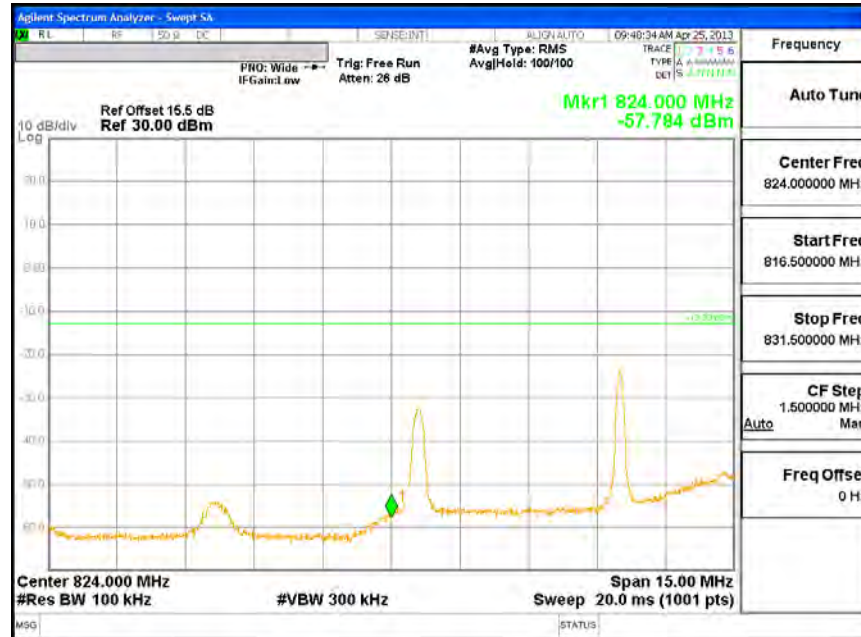
HIGH CH, RB25-0



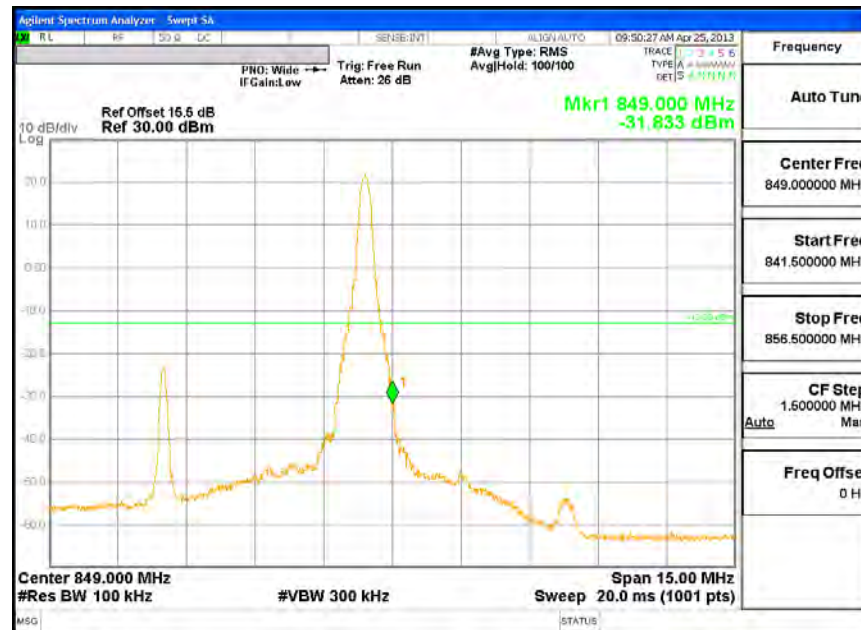
QPSK Band 5 (10 MHz BANDWIDTH)

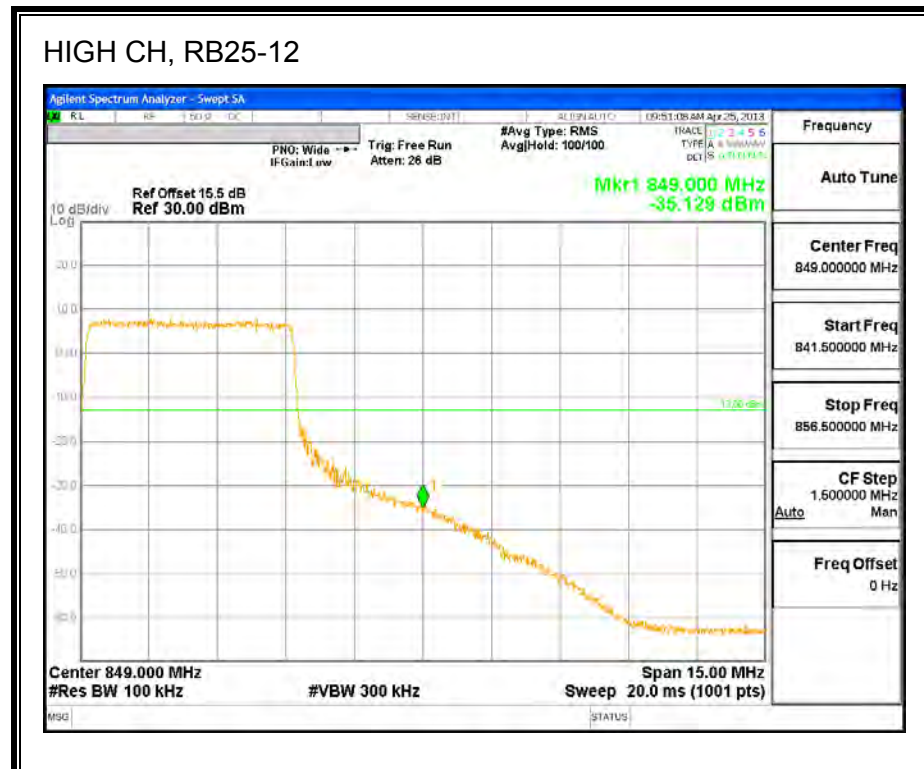
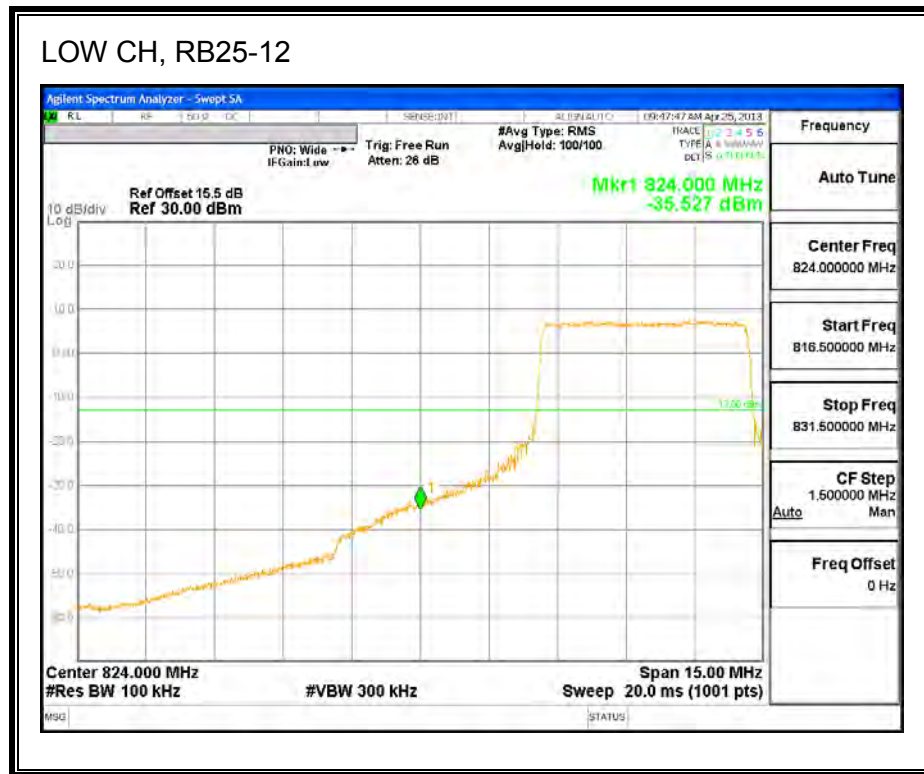


LOW CH, RB1-49

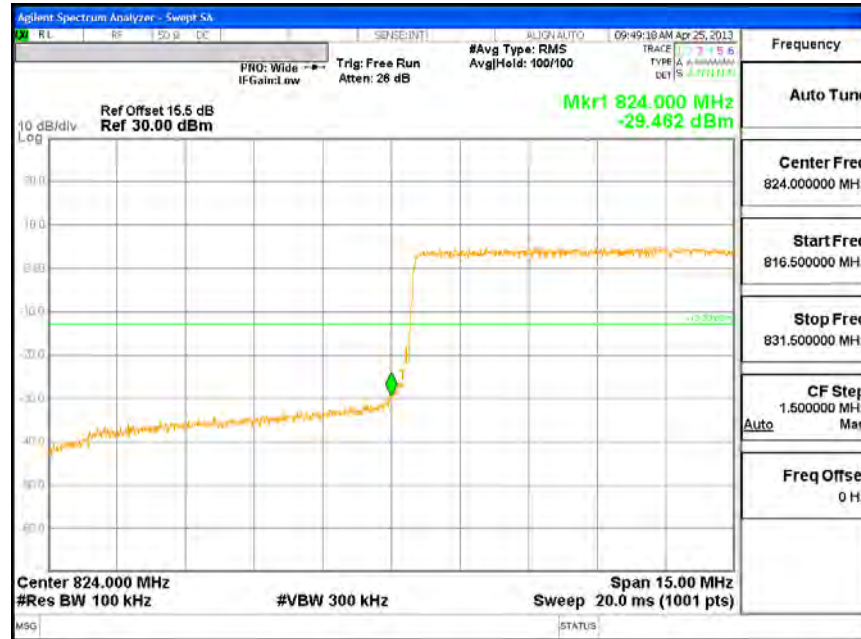


HIGH CH, RB1-49





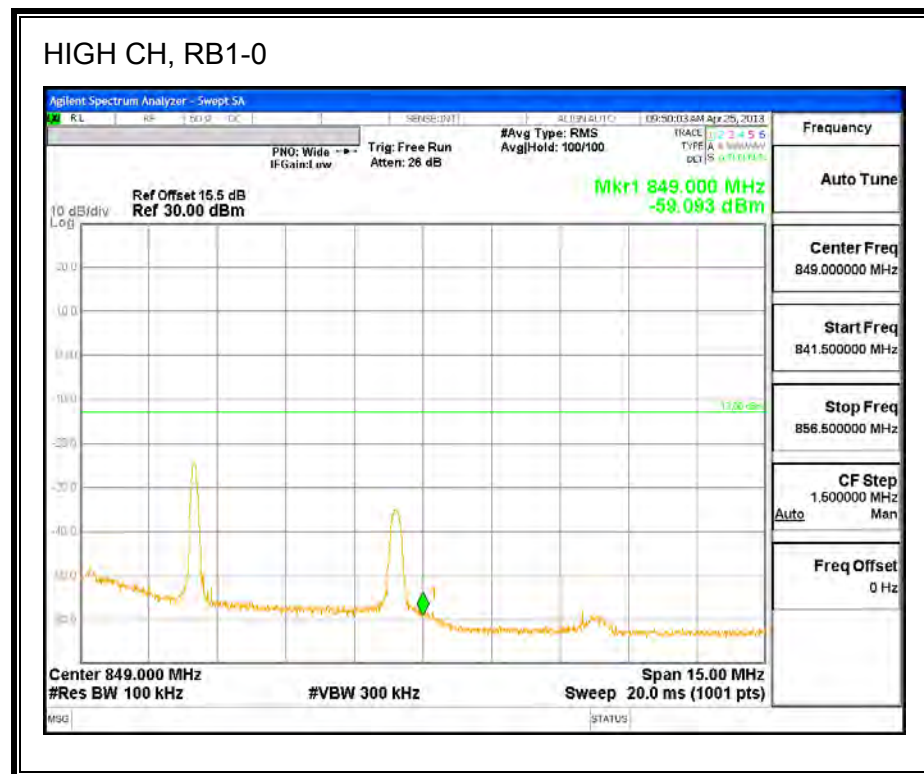
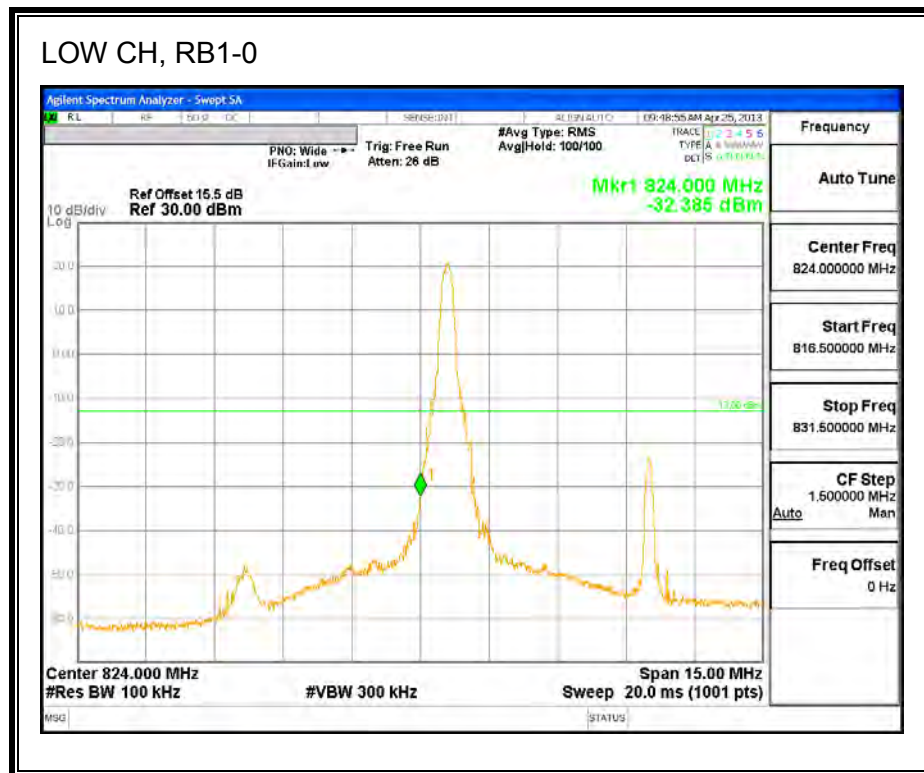
LOW CH, RB50-0

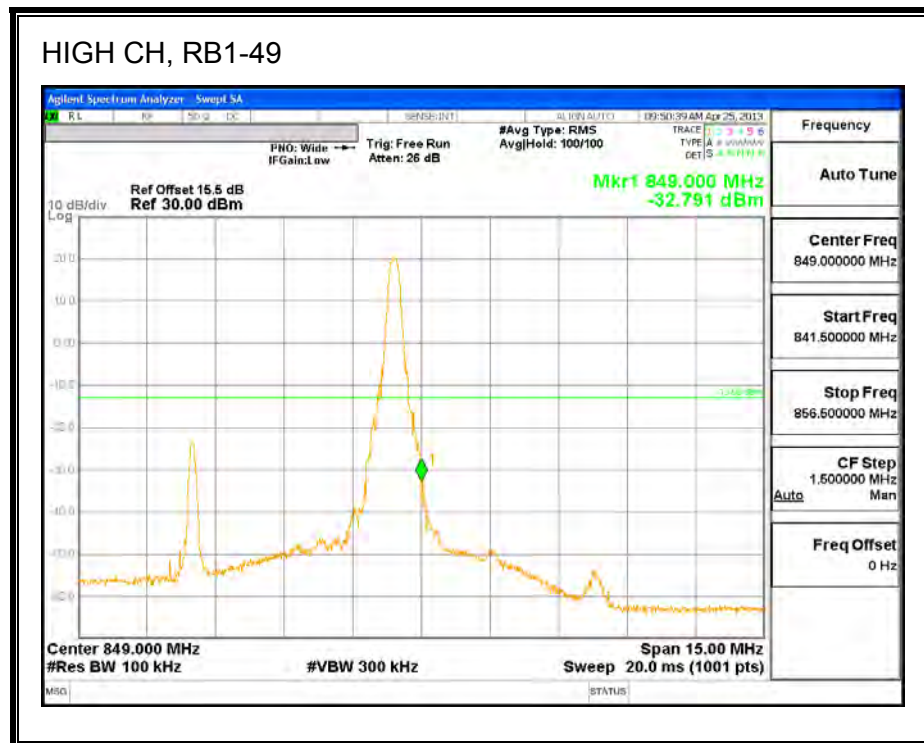
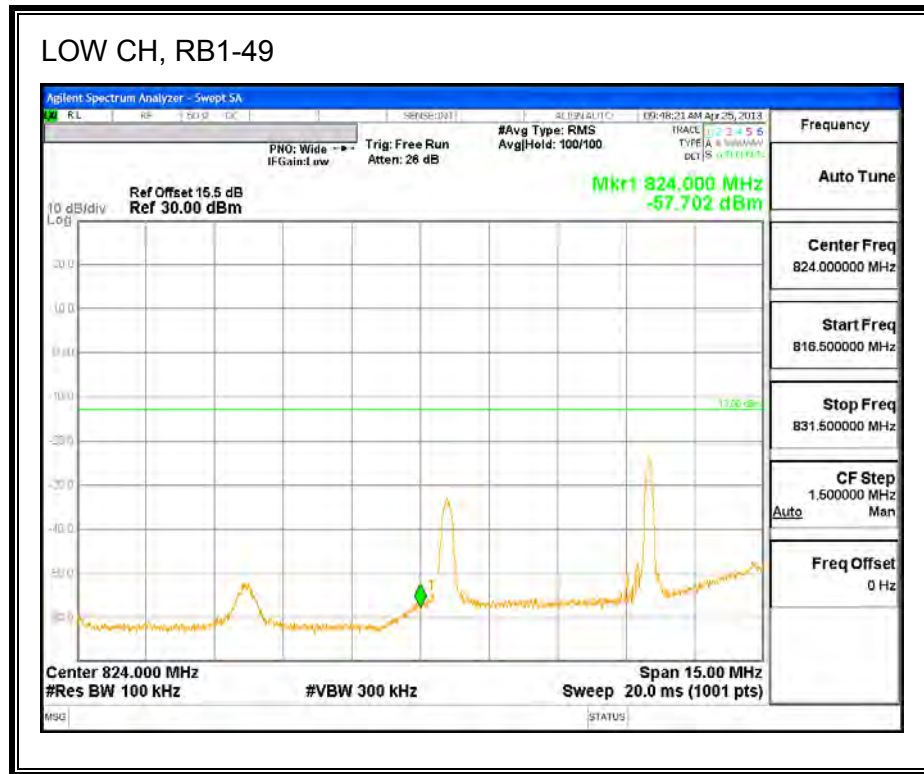


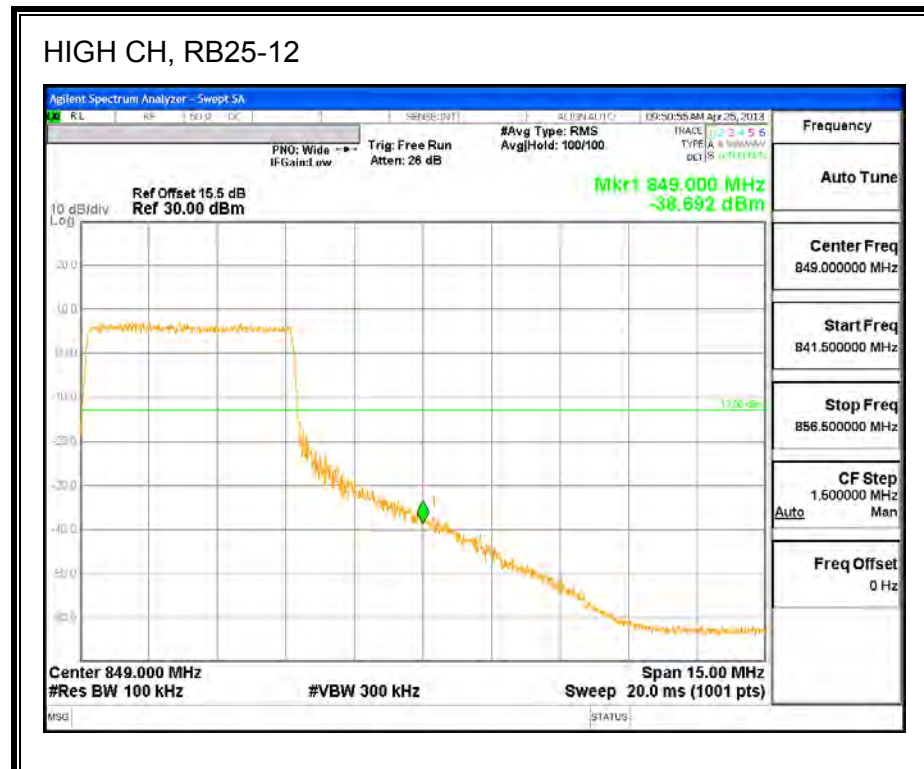
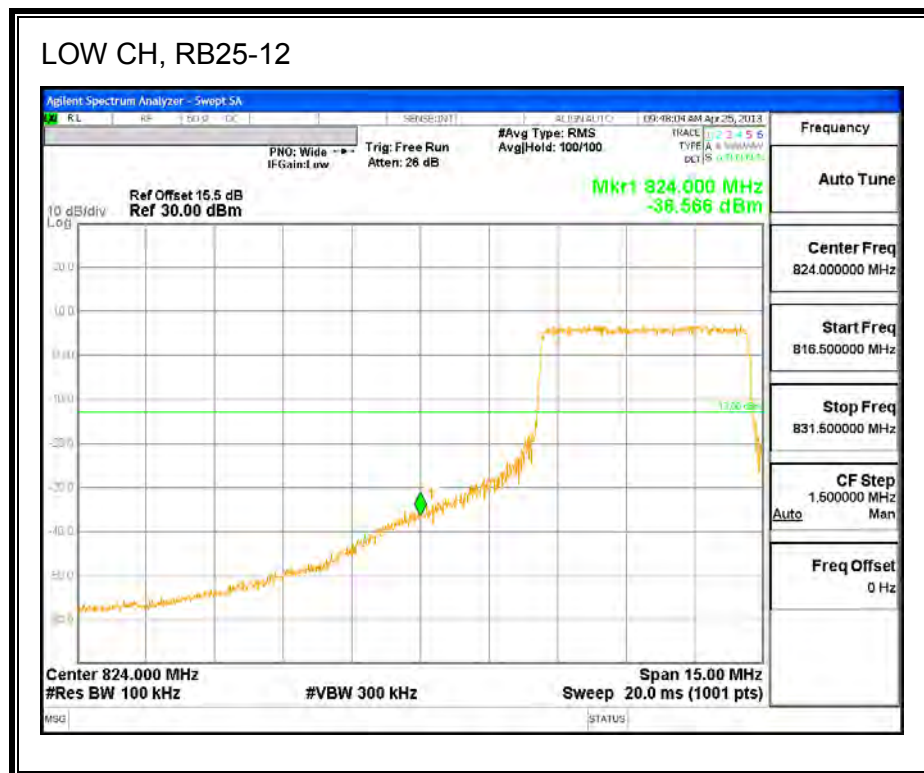
HIGH CH, RB50-0



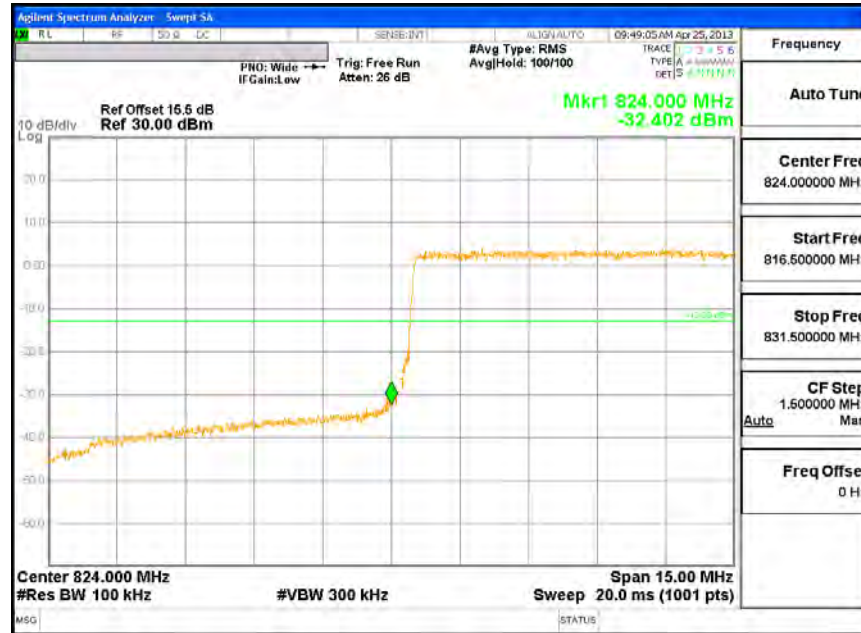
16QAM Band 5 (10 MHz BANDWIDTH)



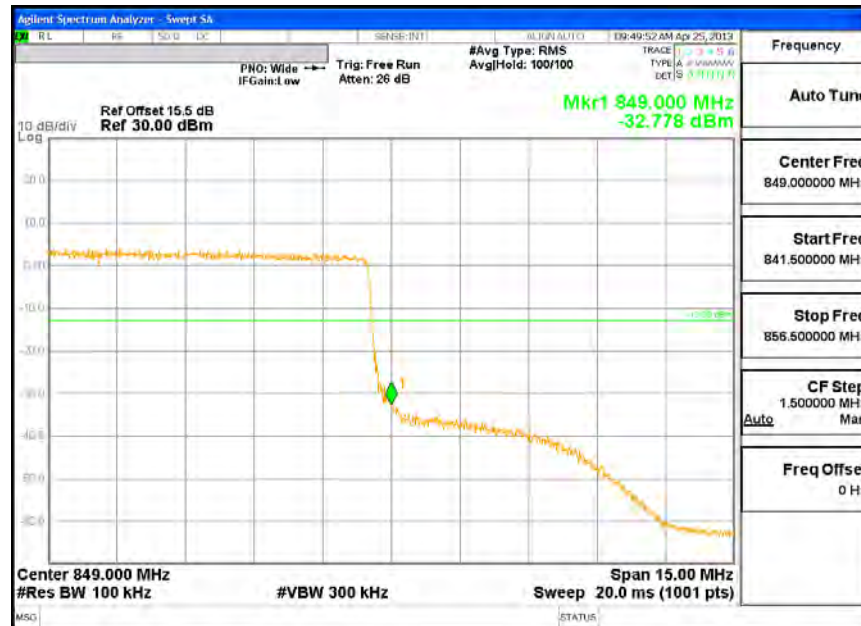




LOW CH, RB50-0



HIGH CH, RB50-0



8.3. OUT OF BAND EMISSIONS

RULE PART(S)

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

LIMITS

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

TEST PROCEDURE

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

For each out of band emissions measurement:

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

MODES TESTED

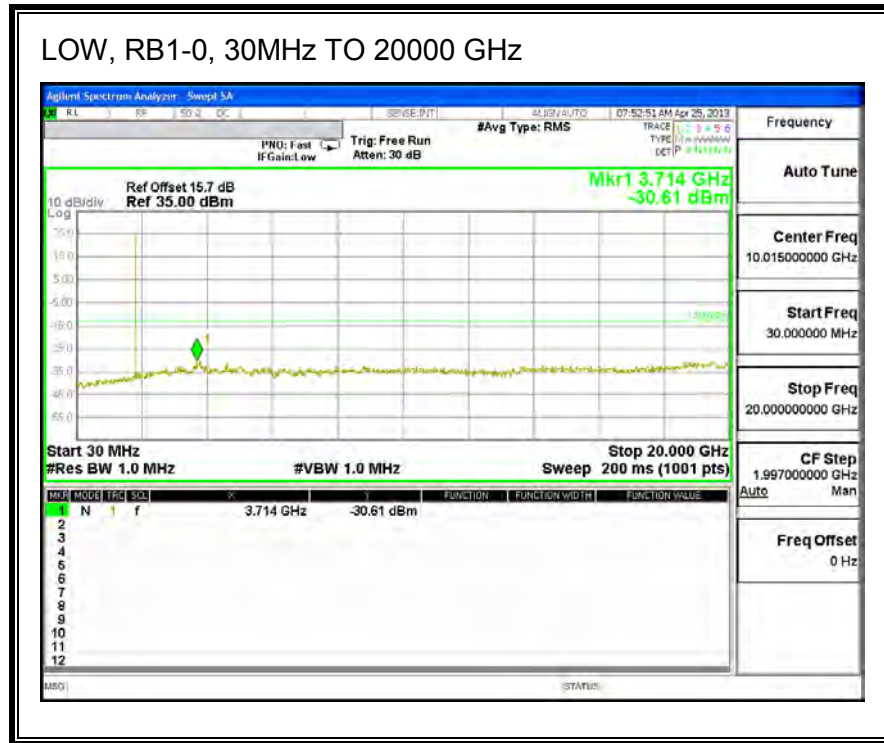
- LTE BAND 2
- LTE BAND 5

RESULTS

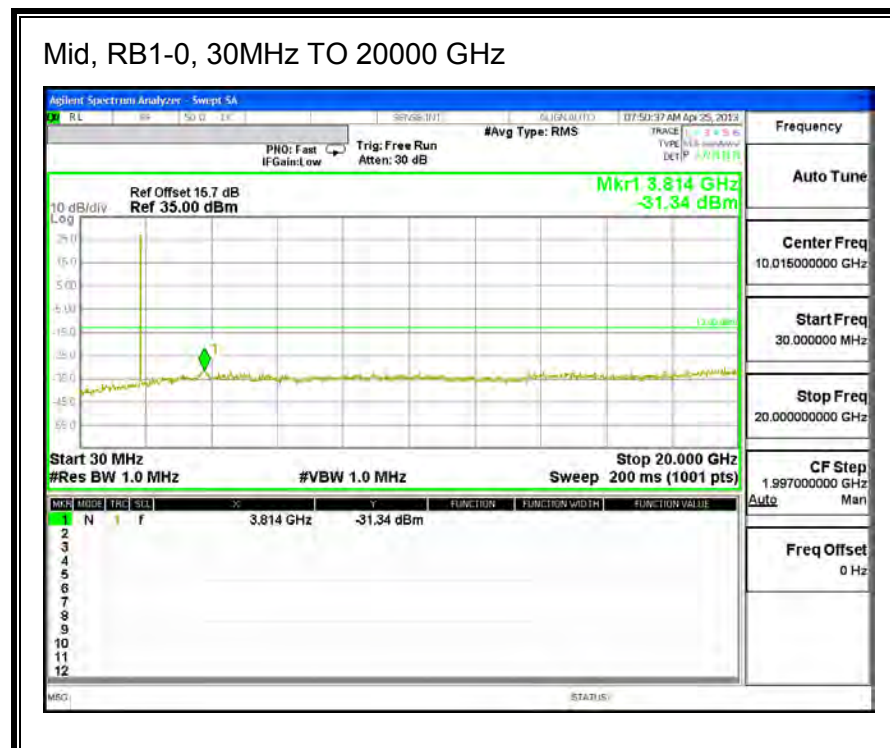
8.3.1. LTE BAND 2

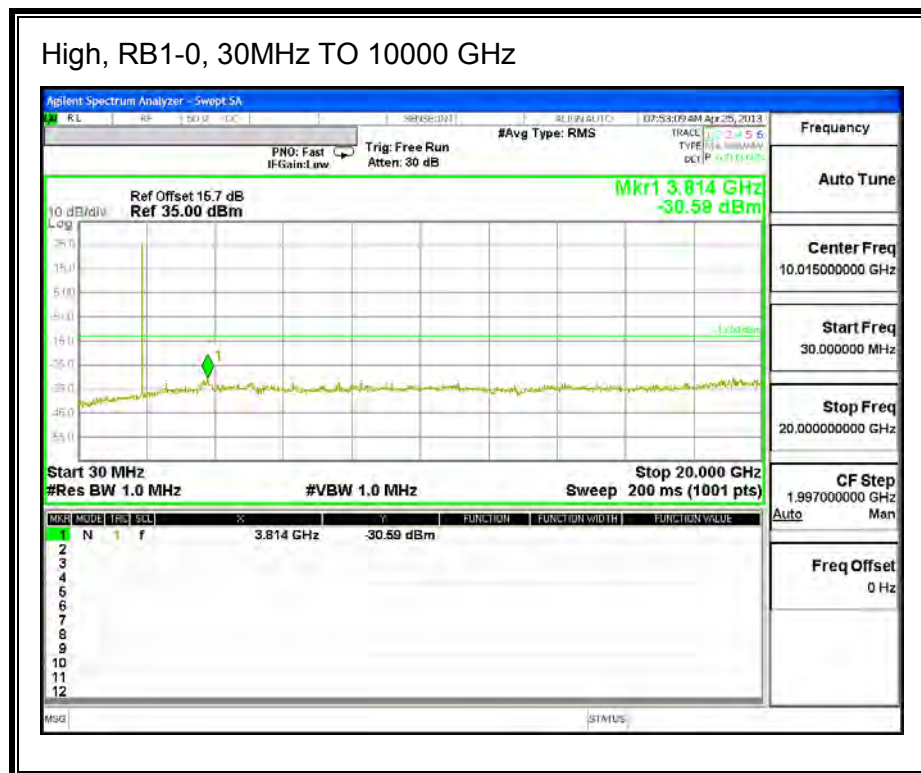
LTE QPSK (1.4 MHz BANDWIDTH)

LOW, RB1-0, 30MHz TO 20000 GHz



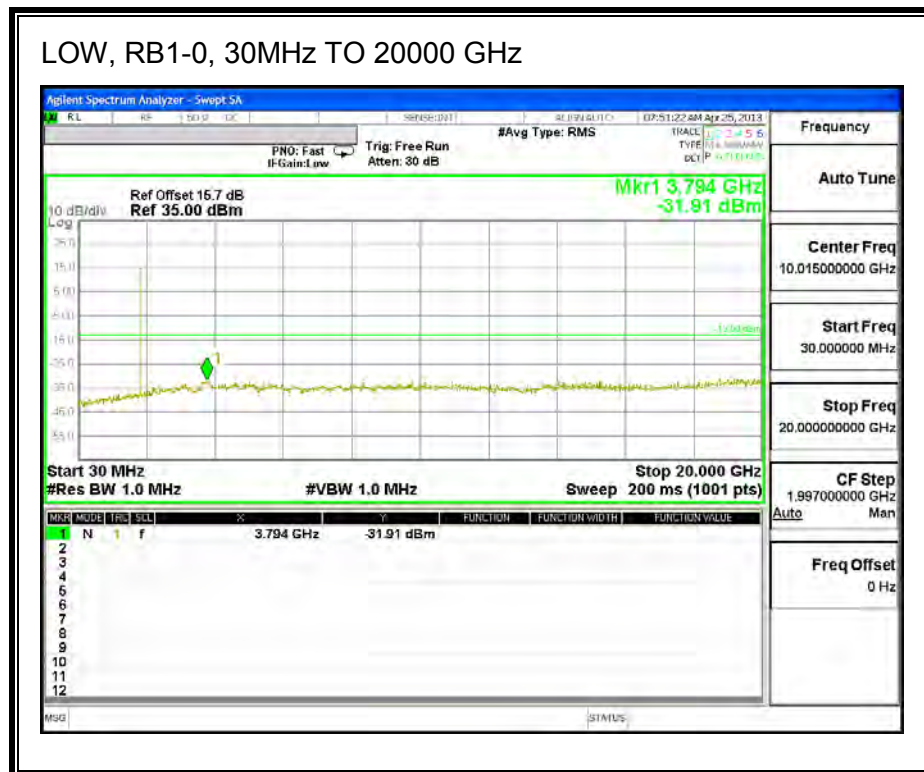
Mid, RB1-0, 30MHz TO 20000 GHz





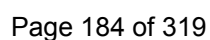
LTE 16QAM

LOW, RB1-0, 30MHz TO 20000 GHz



MID RB1-0, 30MHz TO 20000 GHz

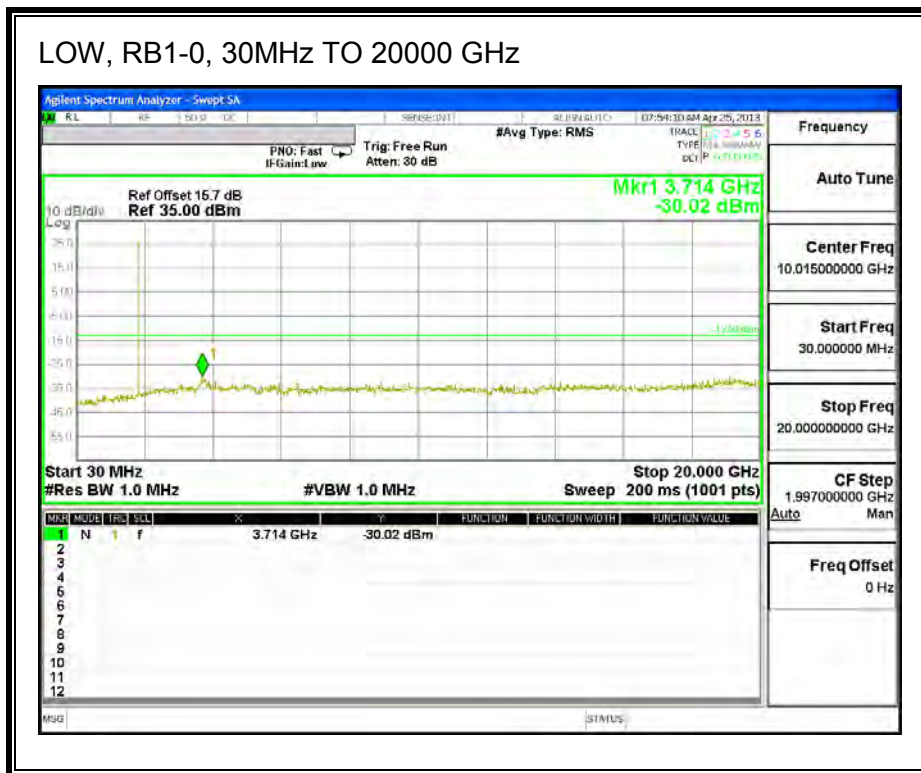




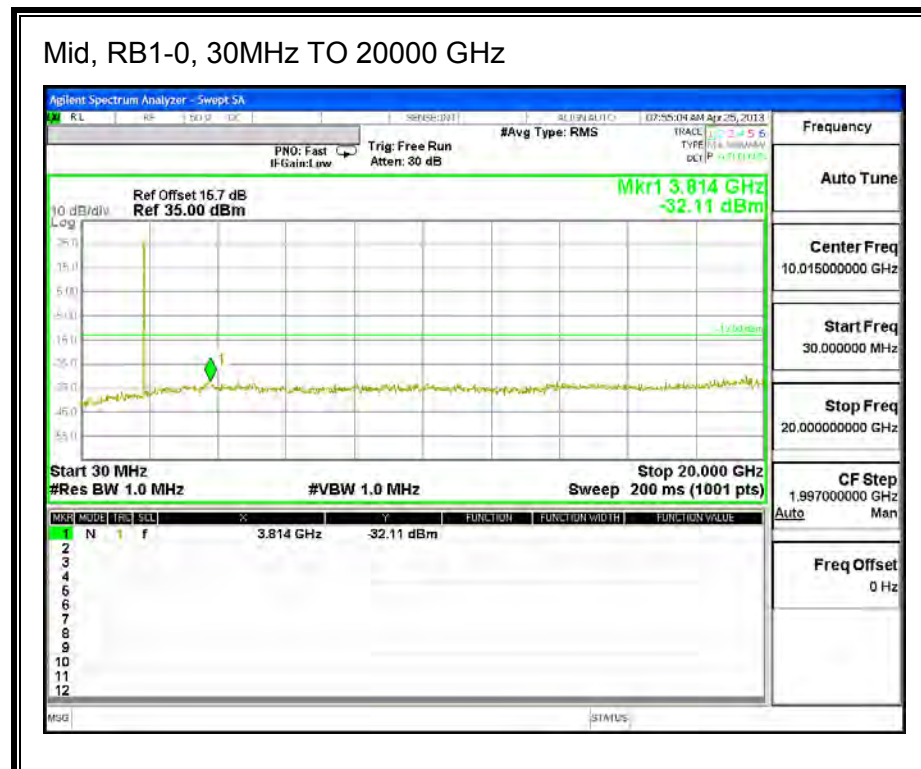
Band 2 (3.0 MHz BANDWIDTH)

LTE QPSK

LOW, RB1-0, 30MHz TO 20000 GHz

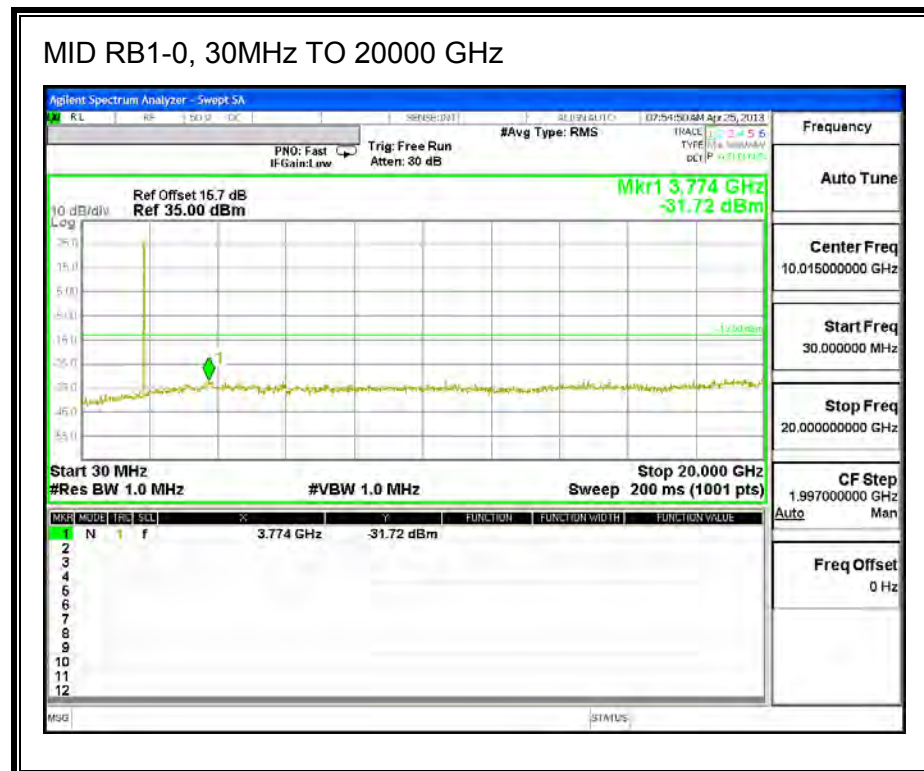
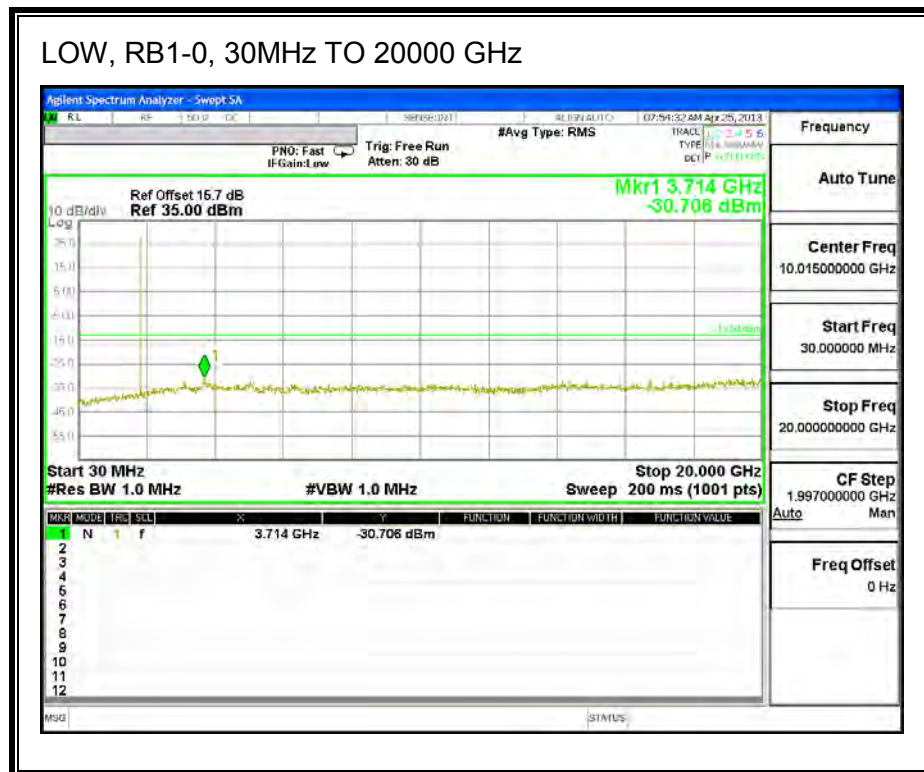


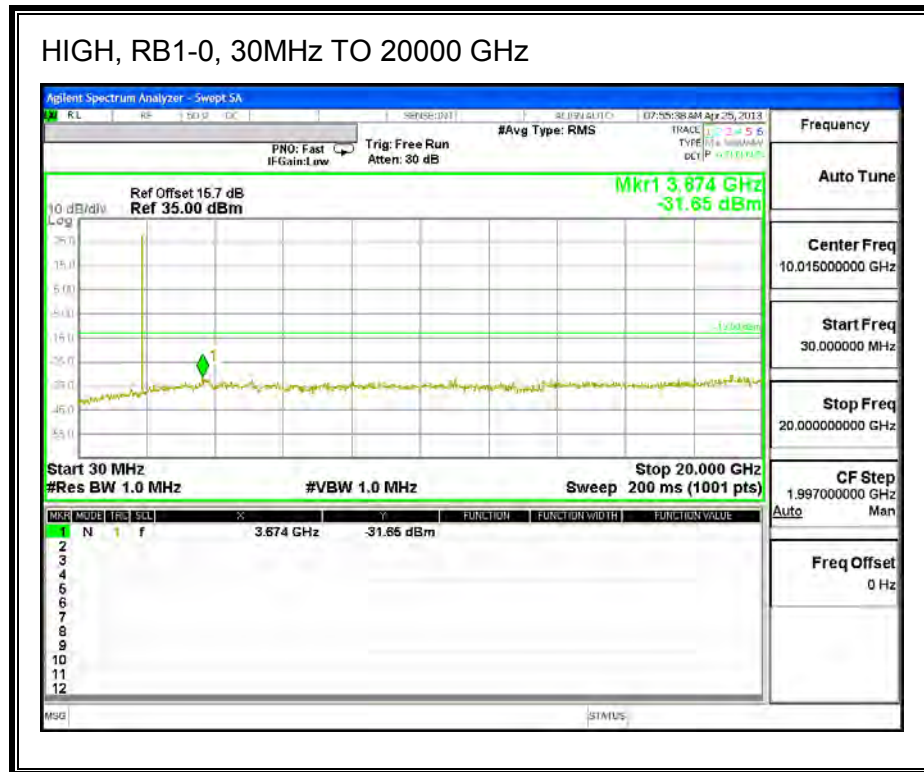
Mid, RB1-0, 30MHz TO 20000 GHz



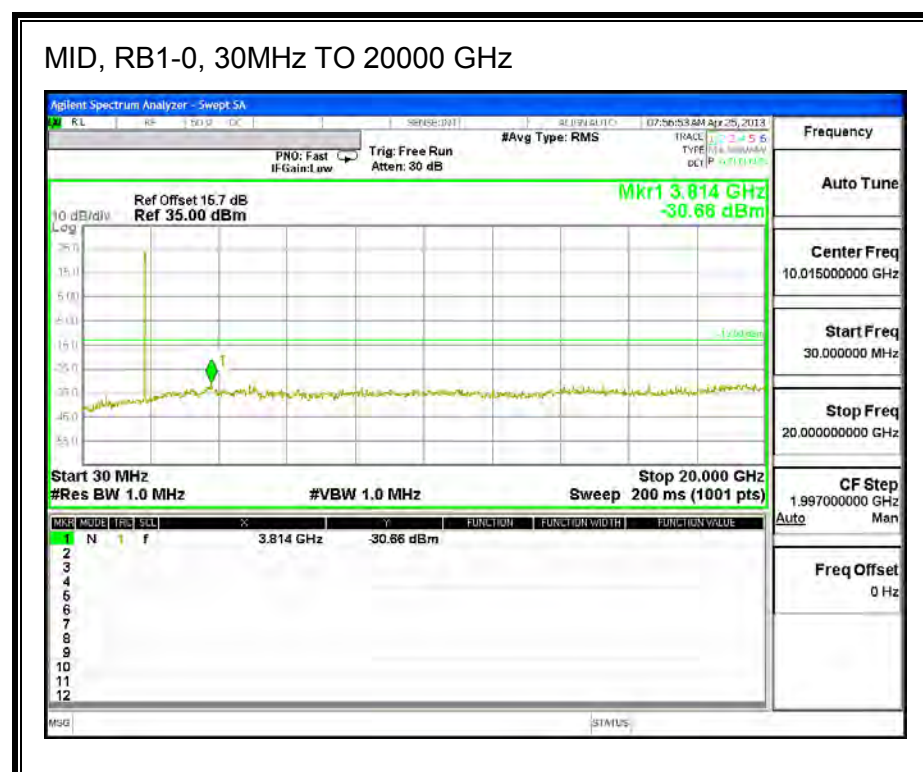
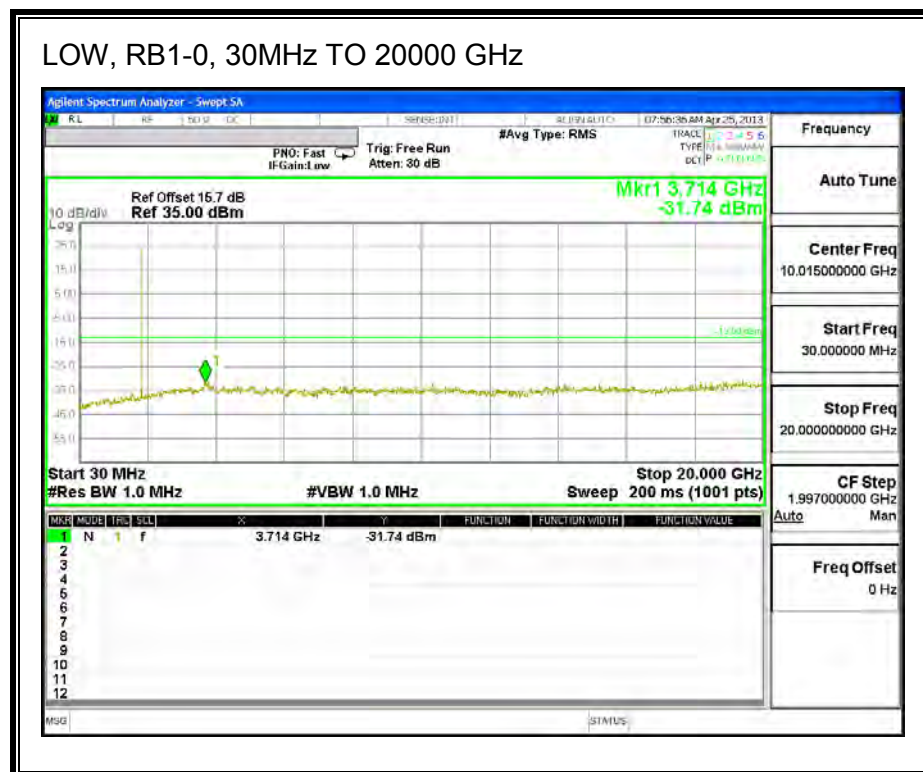


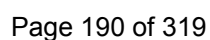
LTE 16QAM



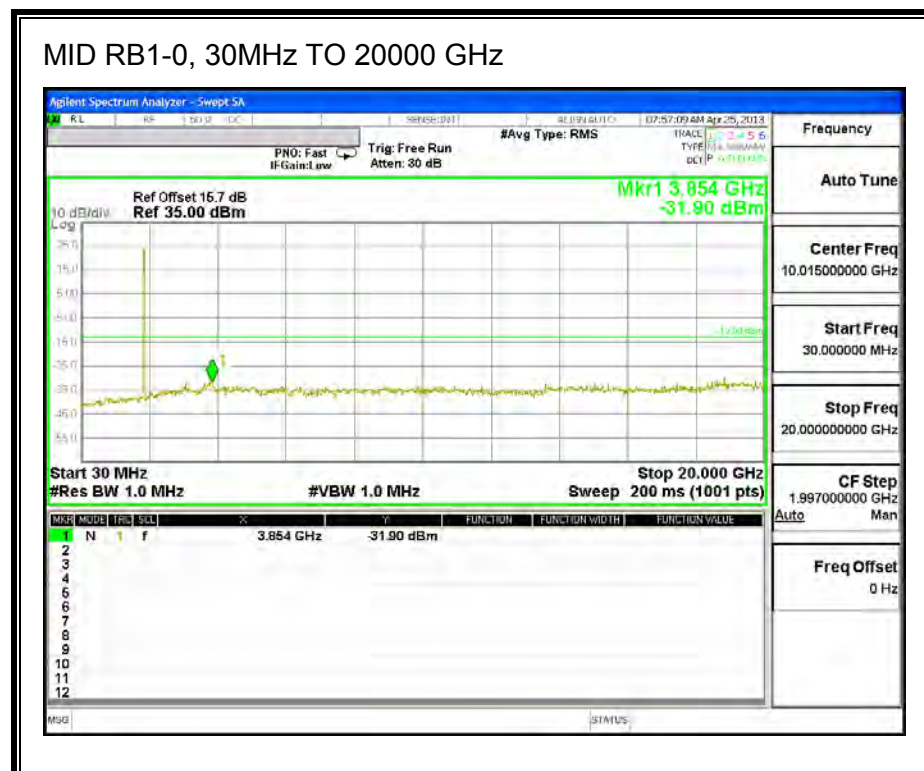
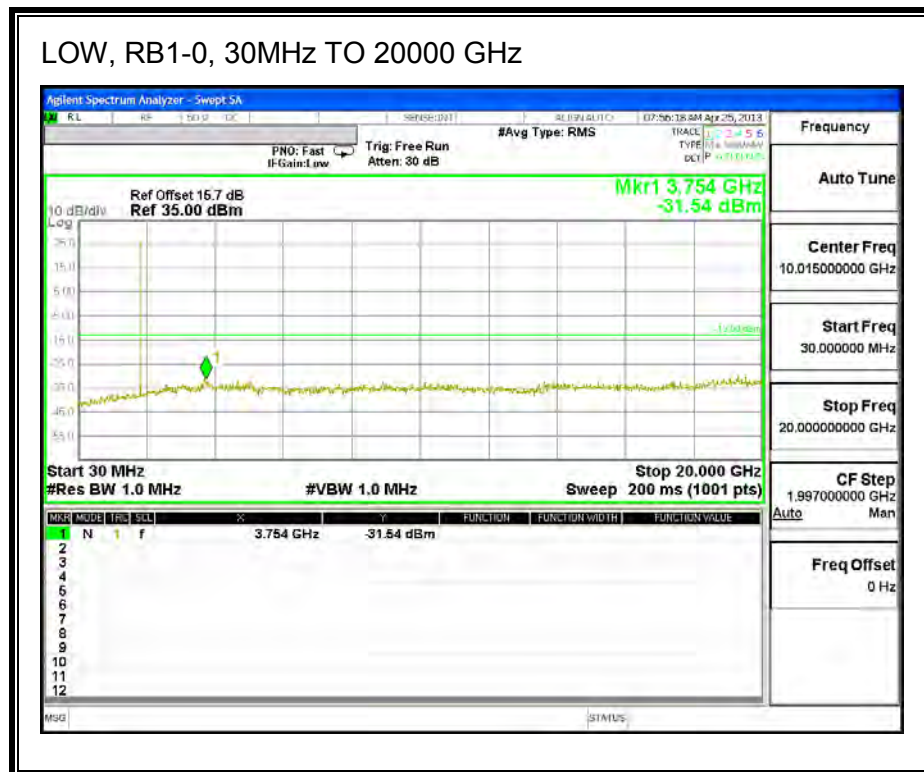


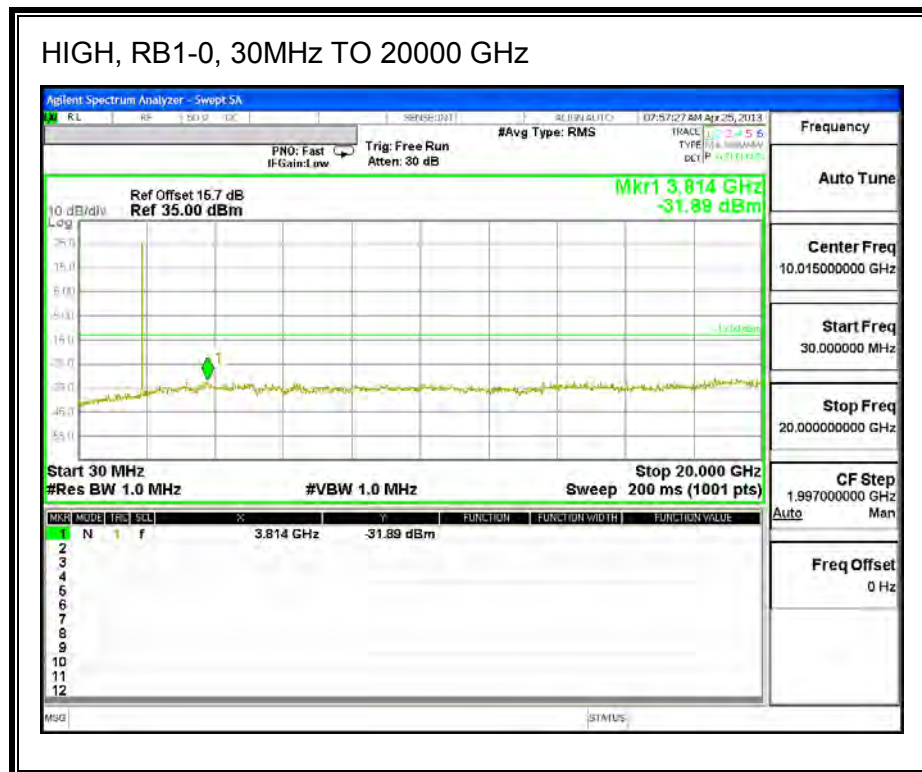
LTE QPSK





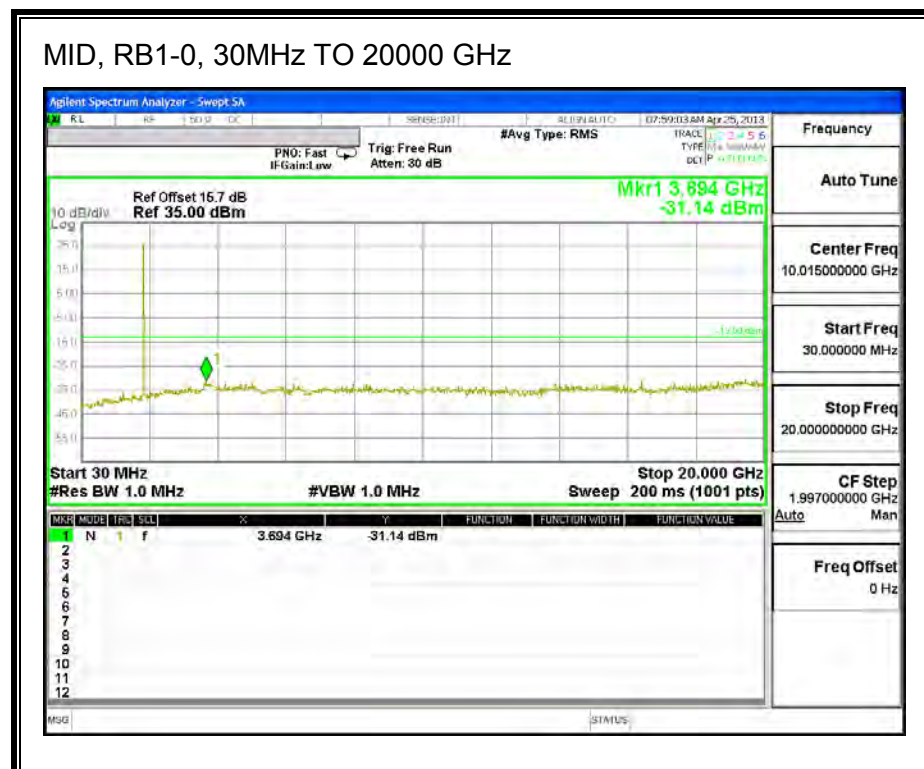
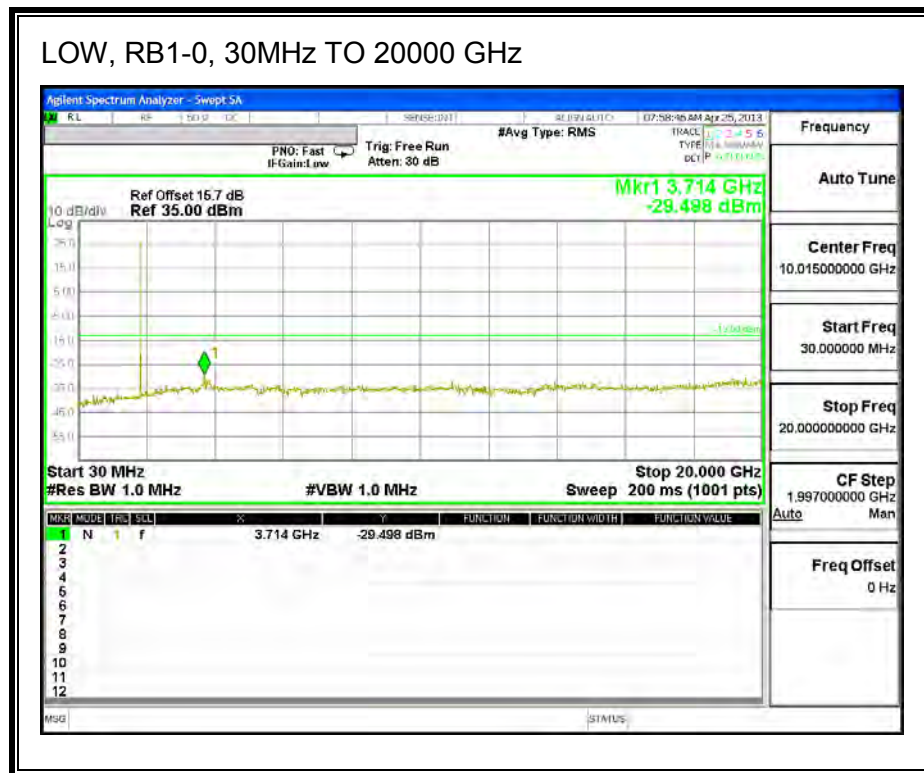
LTE 16QAM



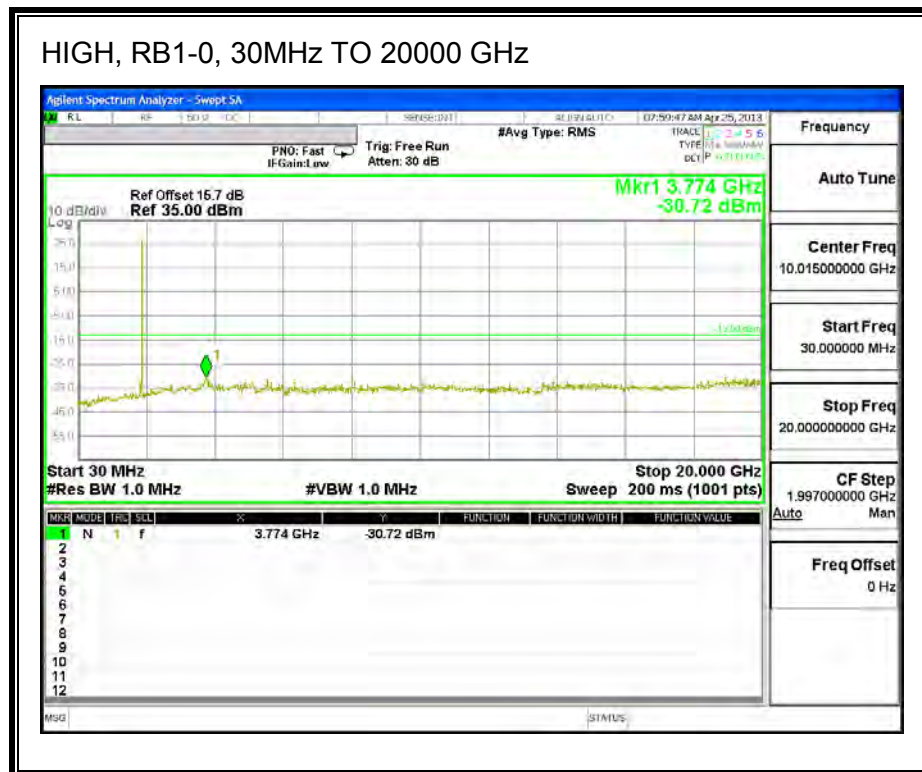


Band 2 (10 MHz BANDWIDTH)

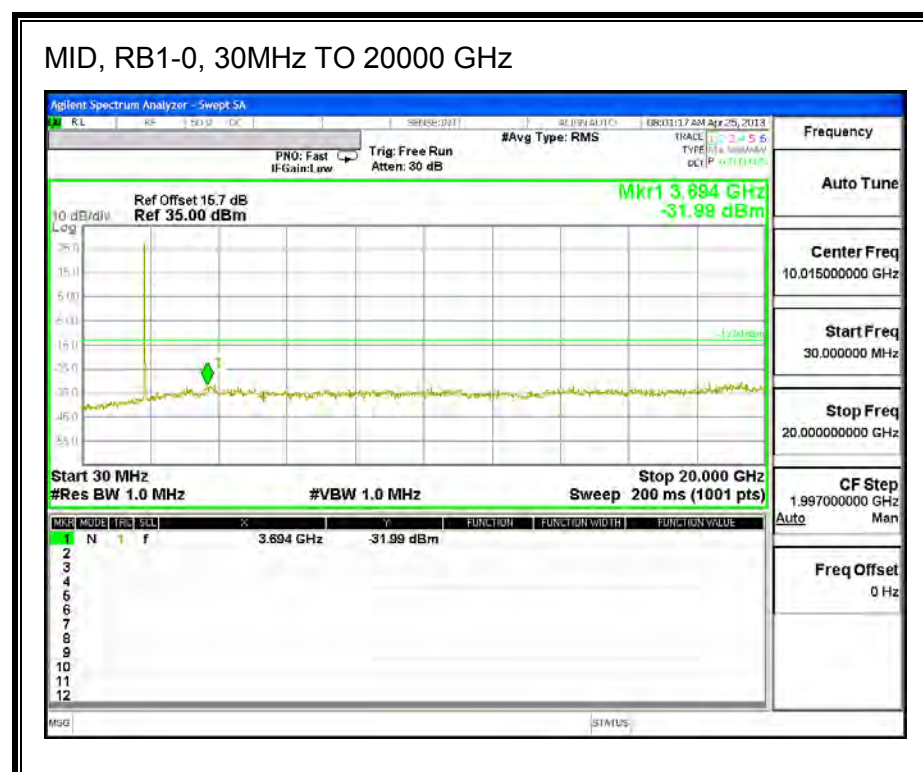
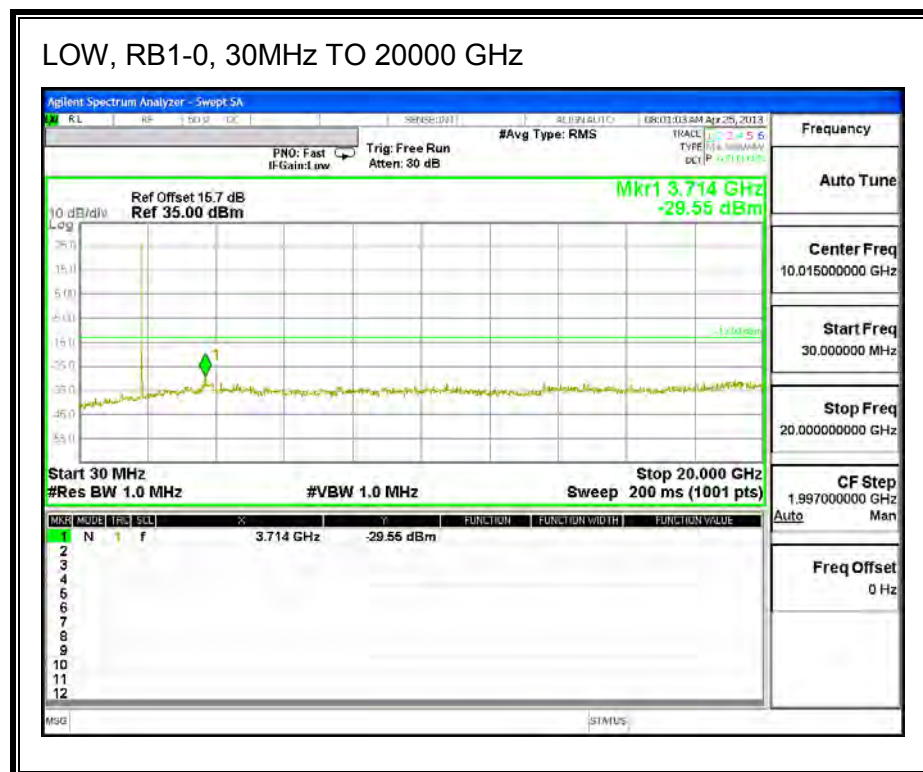
LTE QPSK

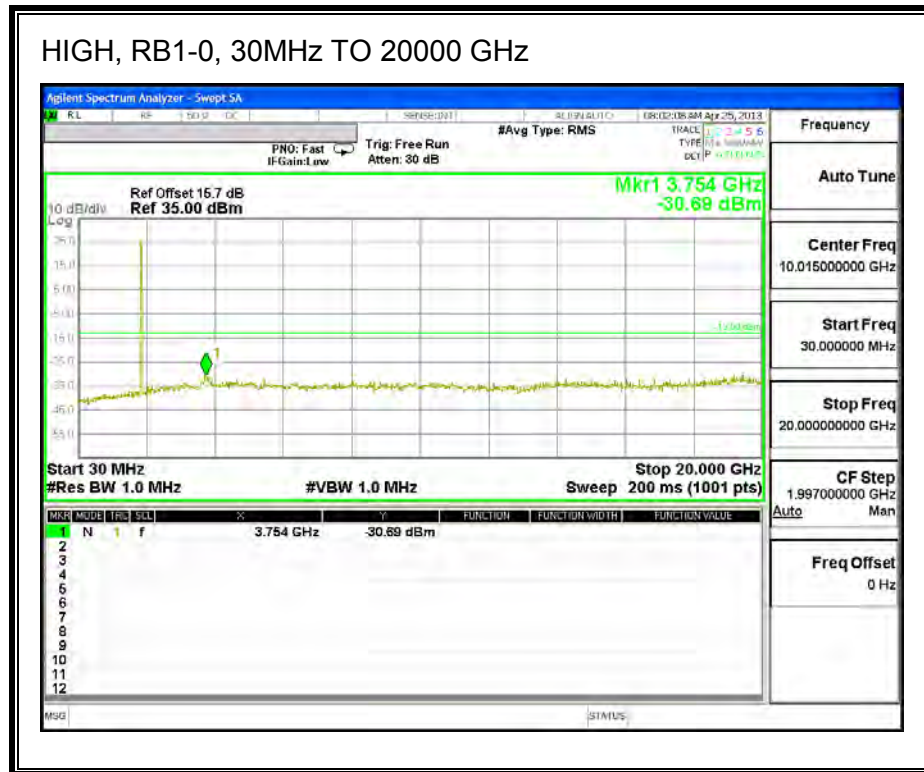




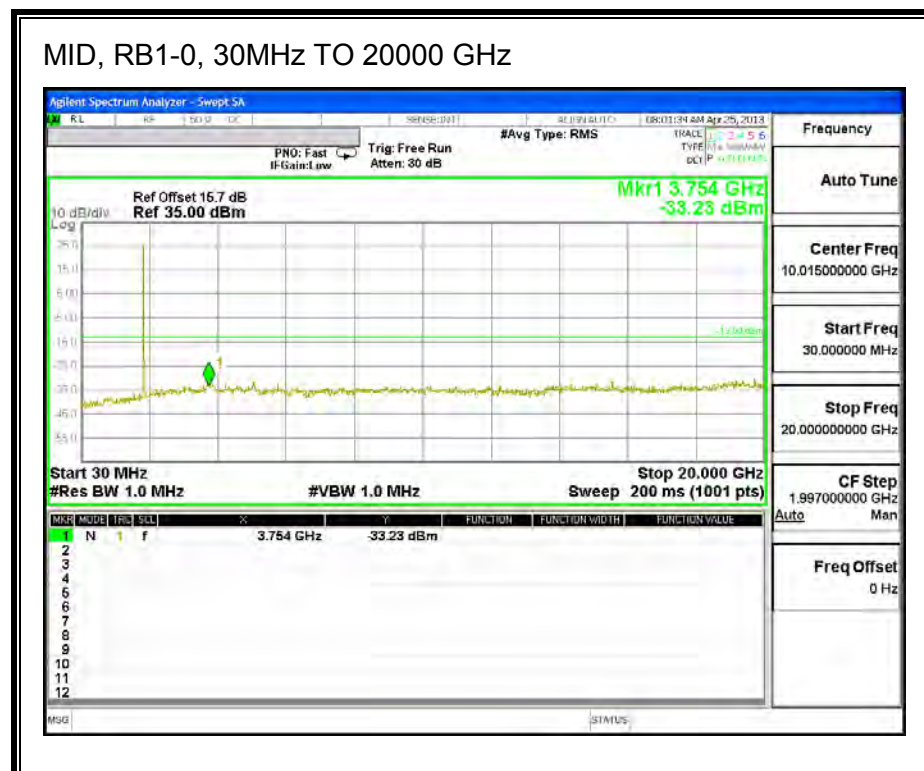
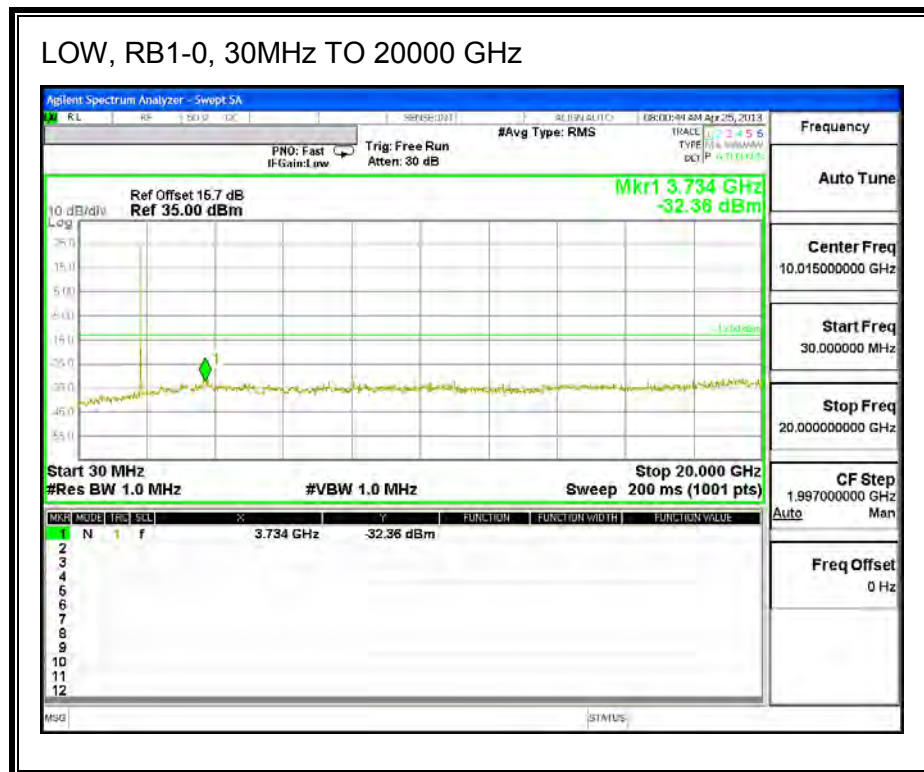


LTE QPSK





LTE 16QAM

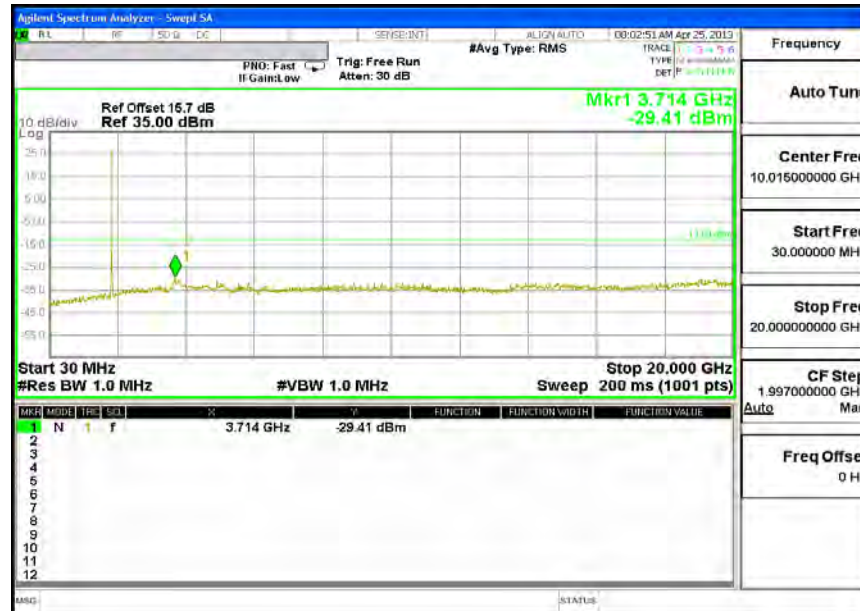




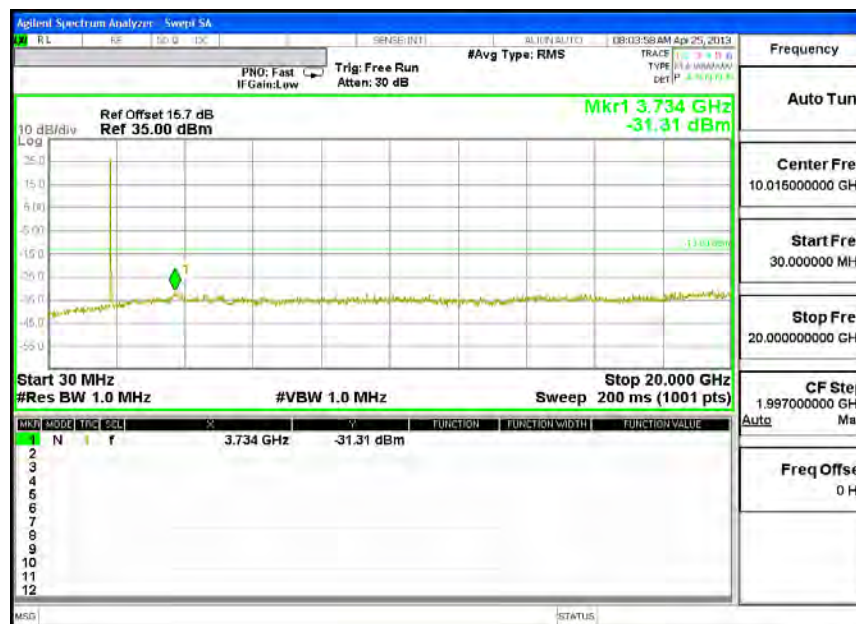
Band 2 (20 MHz BANDWIDTH)

LTE QPSK

LOW, RB1-0, 30MHz TO 20000 GHz

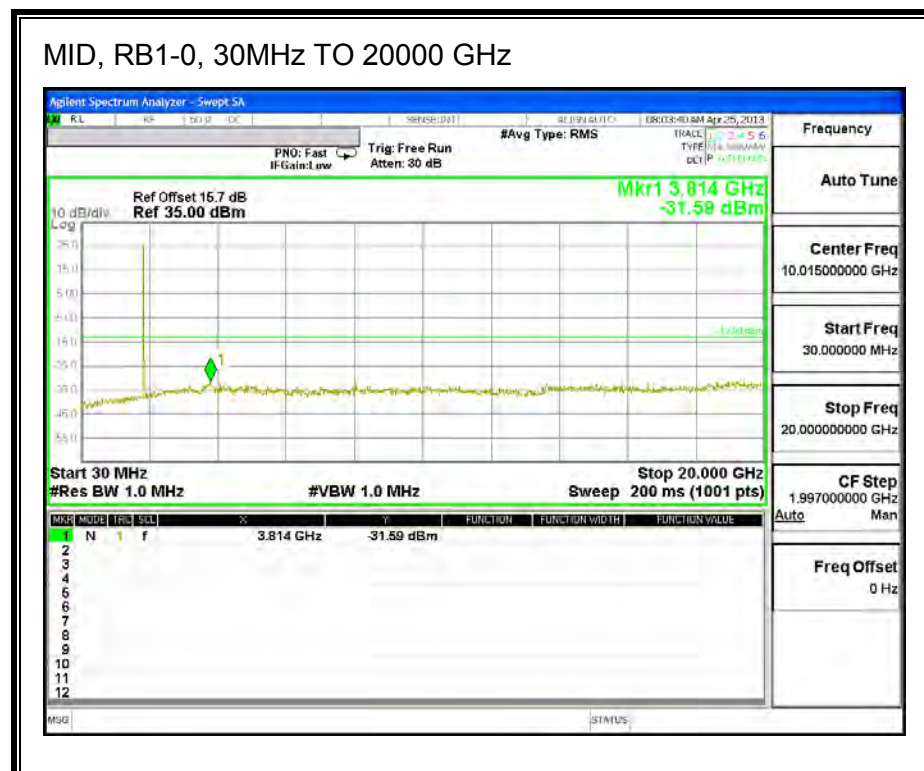
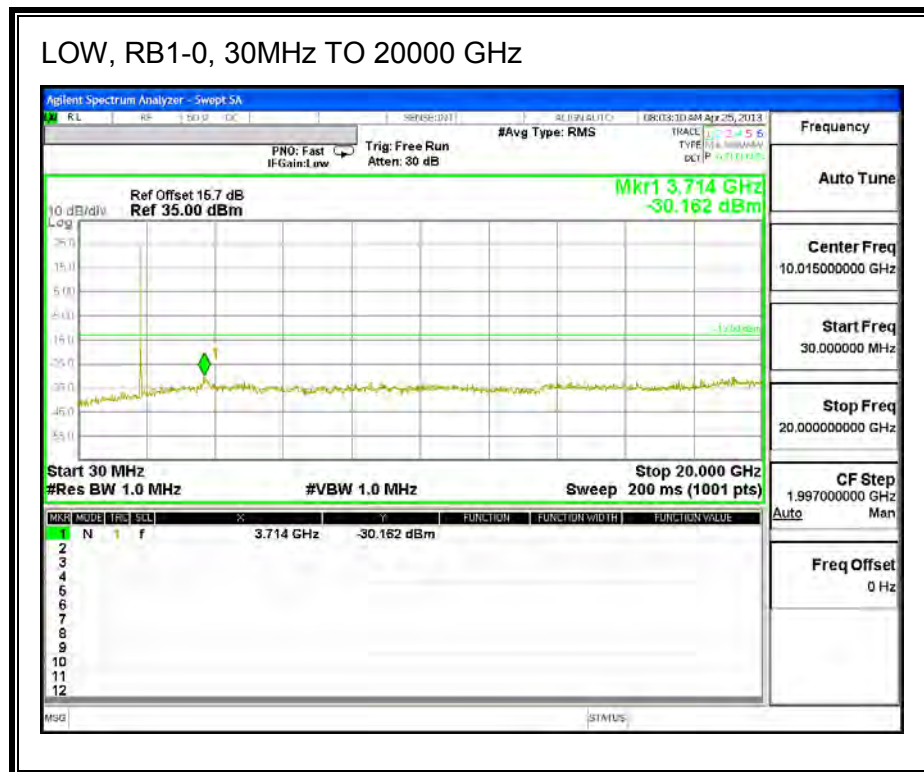


MID, RB1-0, 30MHz TO 20000 GHz





LTE 16QAM

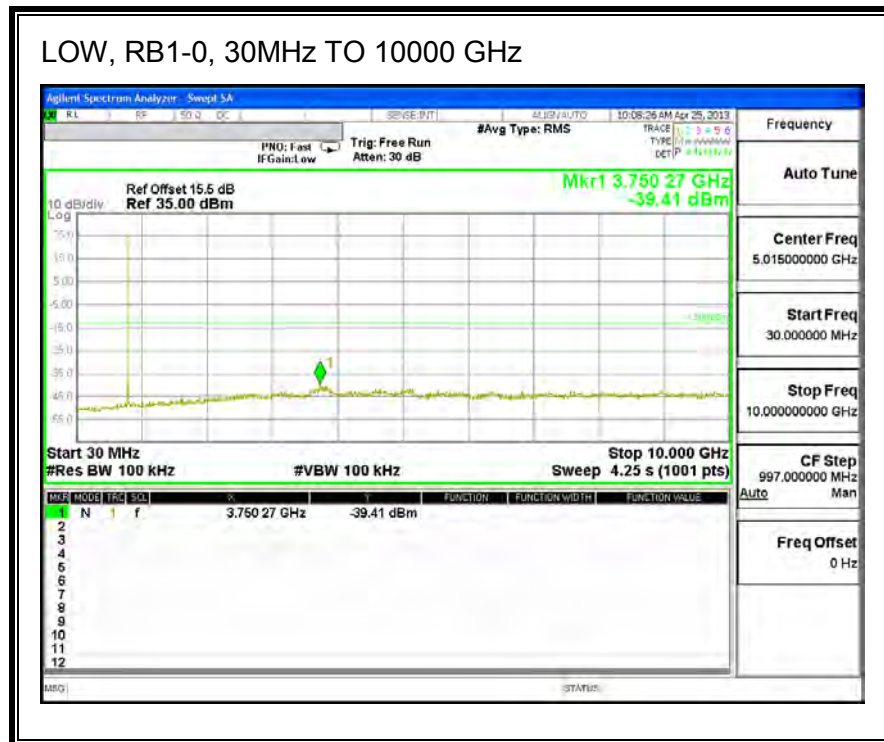




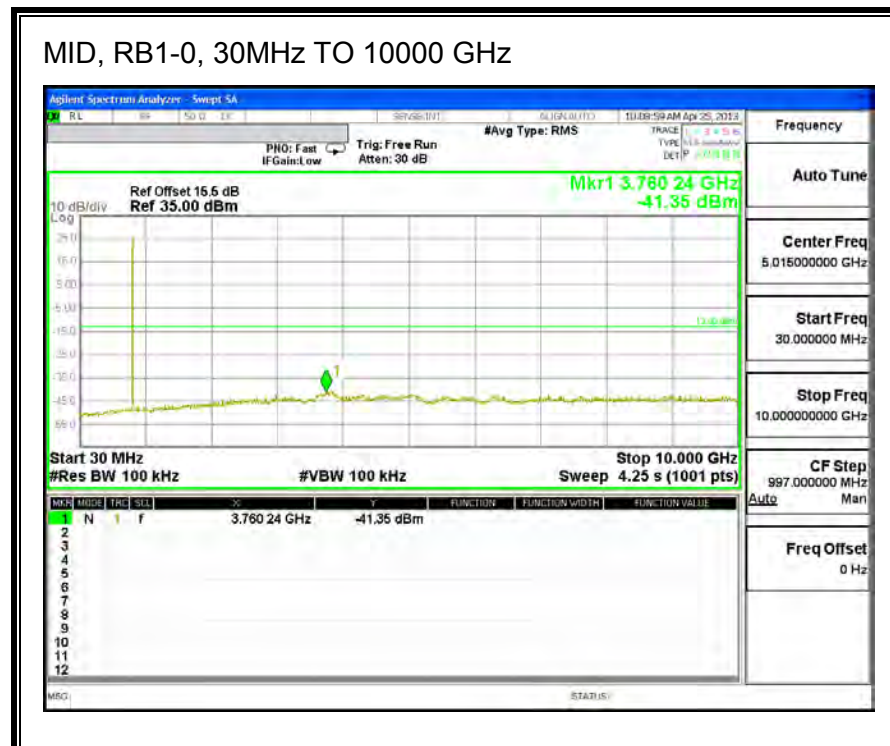
8.3.2. LTE BAND 5

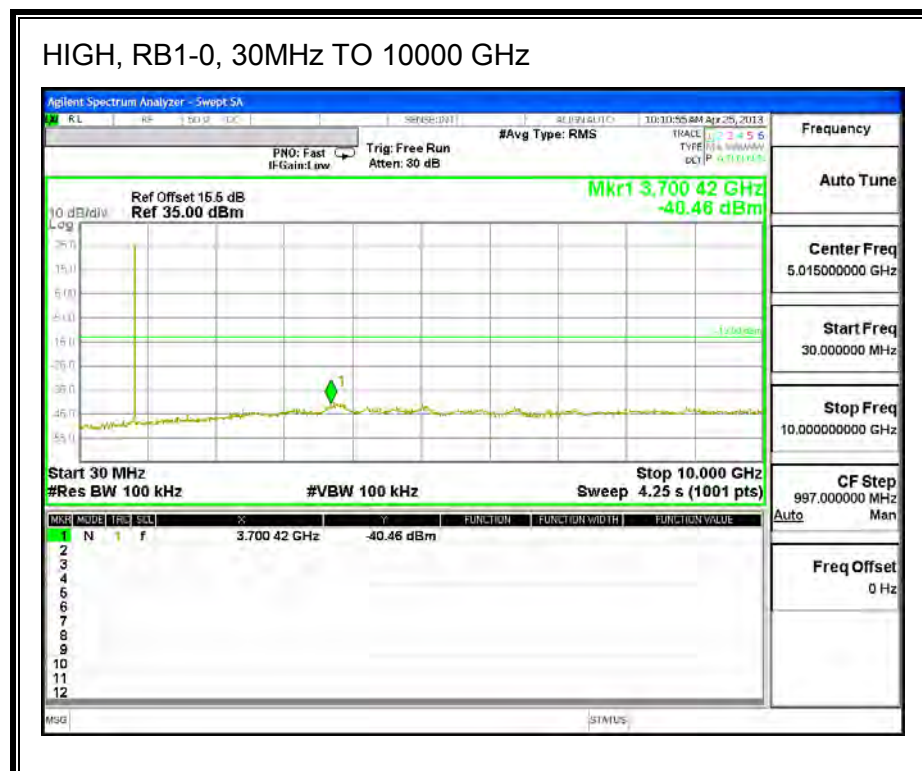
LTE QPSK (1.4 MHz BANDWIDTH)

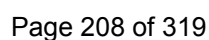
LOW, RB1-0, 30MHz TO 10000 GHz



MID, RB1-0, 30MHz TO 10000 GHz

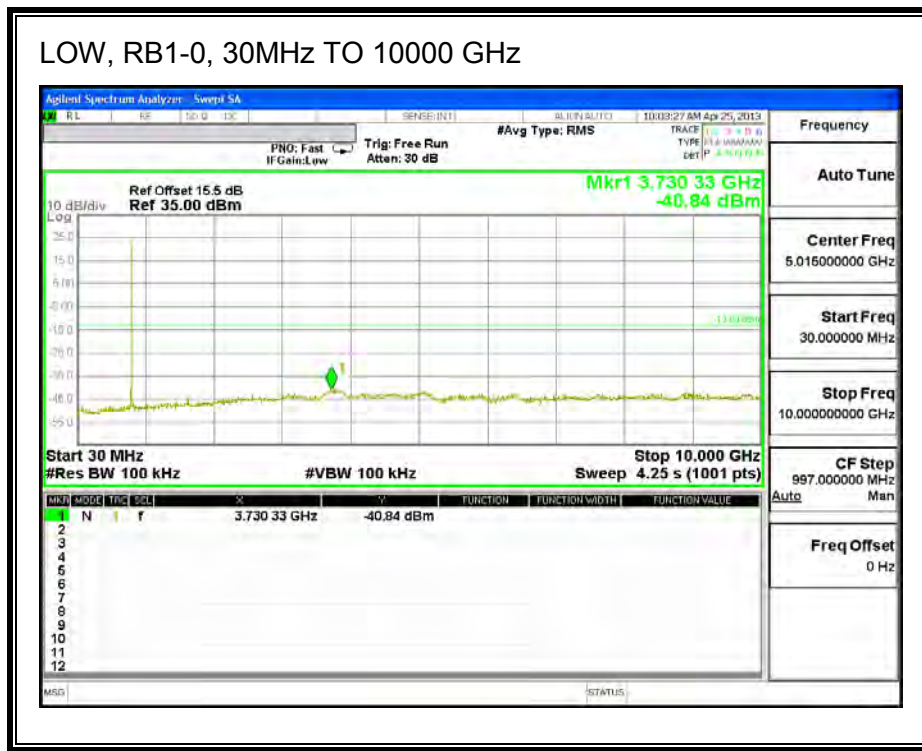


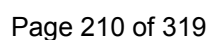




Band 5 (3.0 MHz BANDWIDTH)

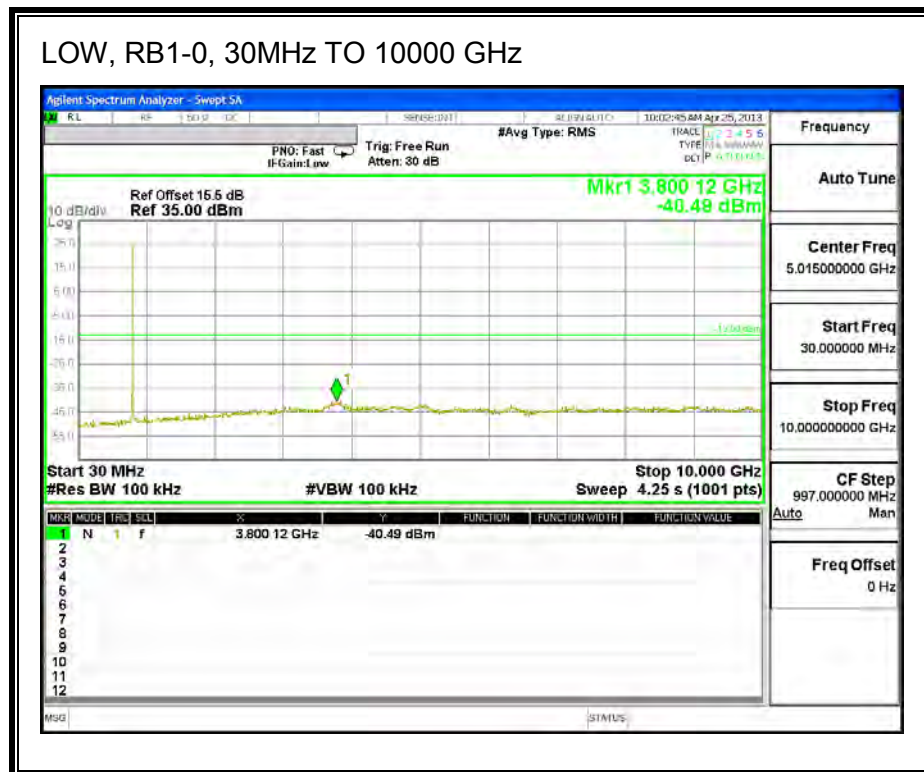
LTE QPSK



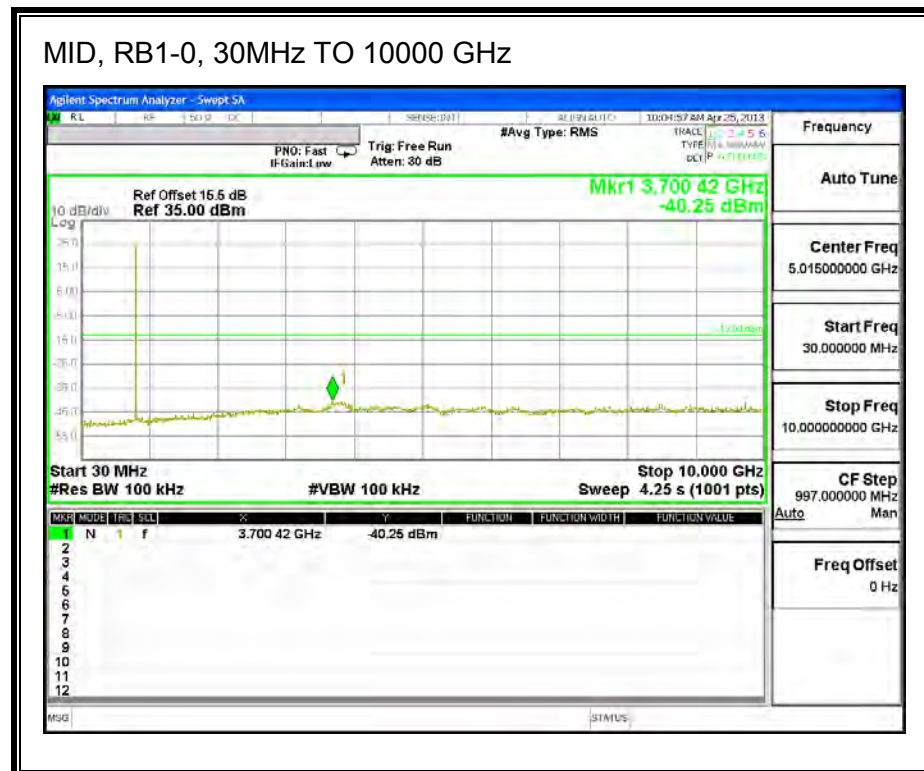


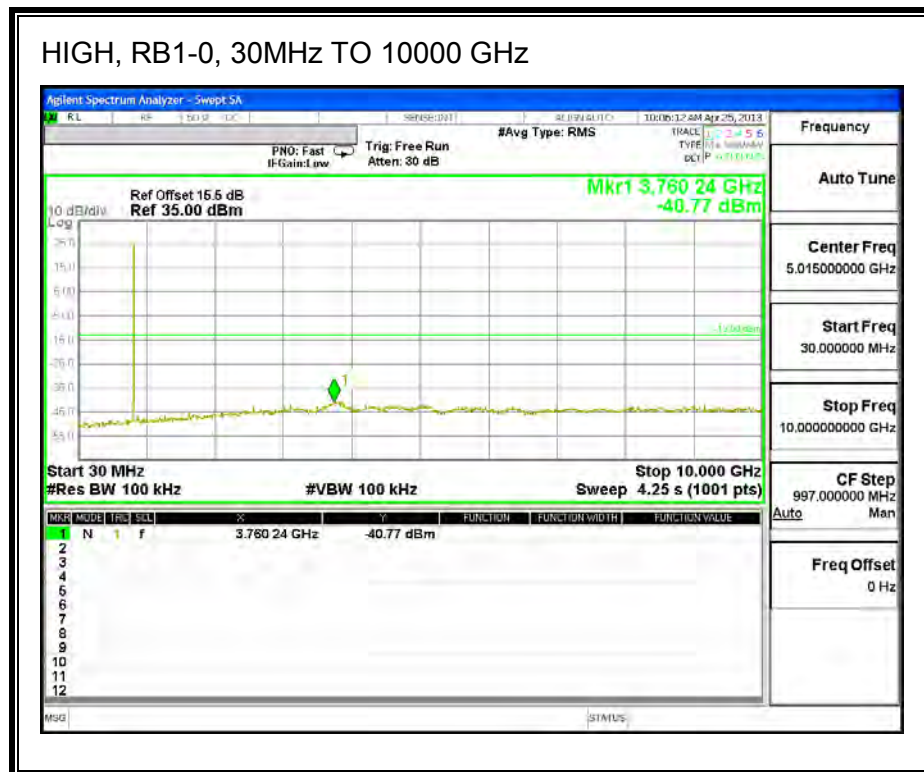
LTE 16QAM

LOW, RB1-0, 30MHz TO 10000 GHz



MID, RB1-0, 30MHz TO 10000 GHz

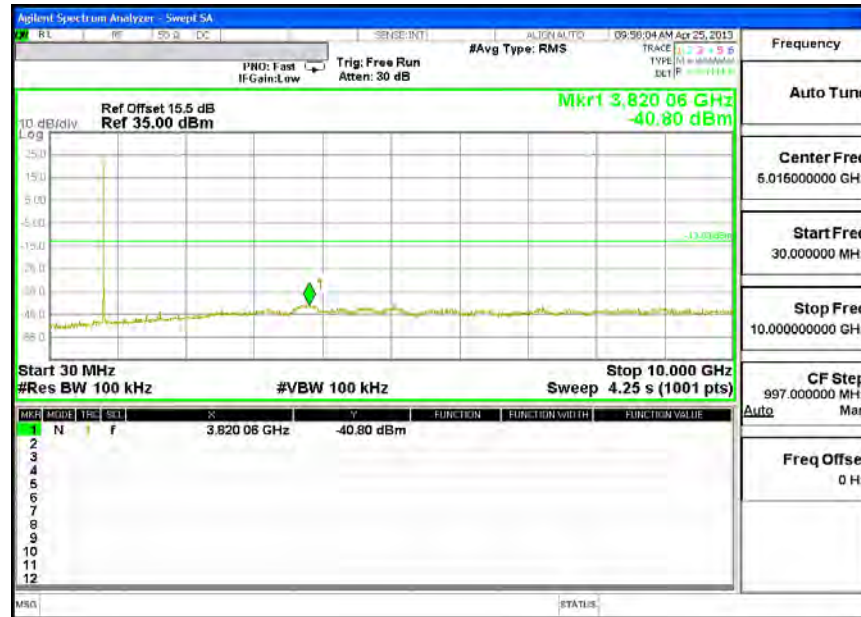




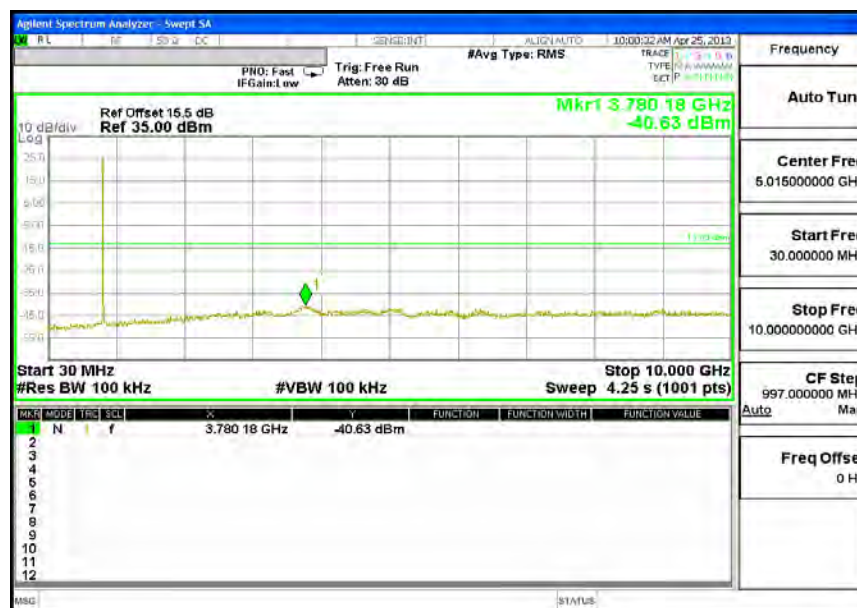
Band 5 (5 MHz BANDWIDTH)

LTE QPSK

LOW, RB1-0, 30MHz TO 10000 GHz

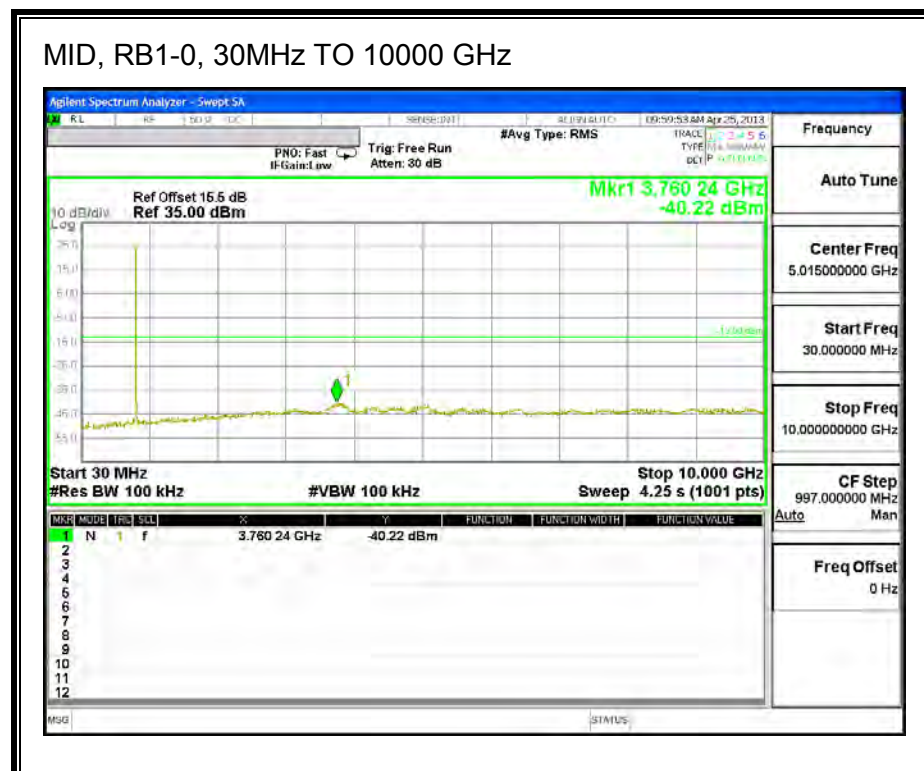


MID, RB1-0, 30MHz TO 10000 GHz





LTE 16QAM

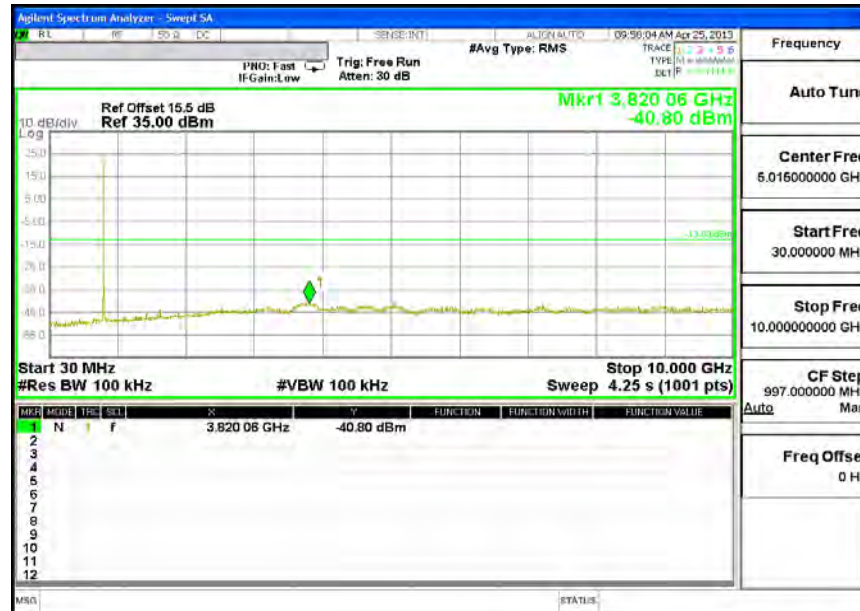




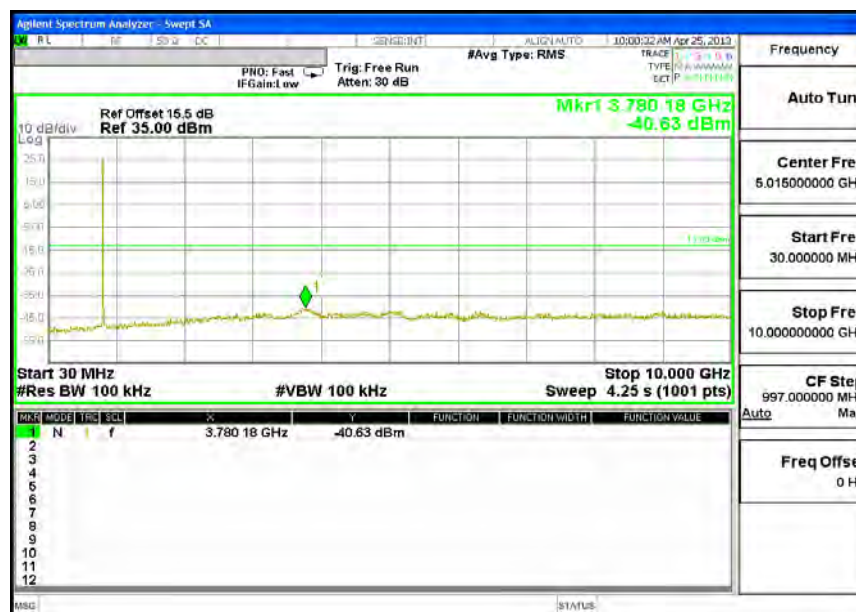
Band 5 (10 MHz BANDWIDTH)

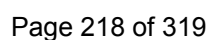
LTE QPSK

LOW, RB1-0, 30MHz TO 10000 GHz



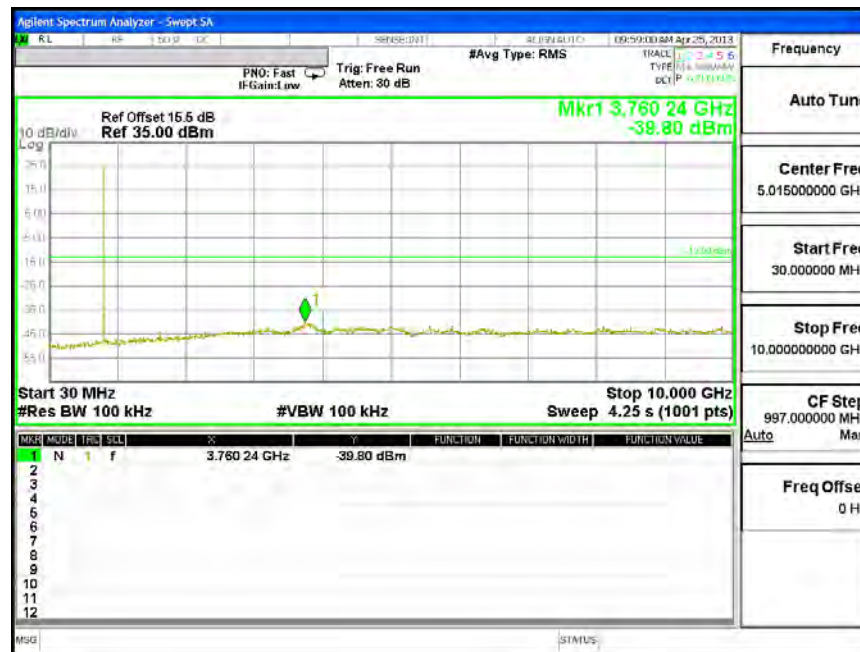
MID, RB1-0, 30MHz TO 10000 GHz





LTE 16QAM

LOW, RB1-0, 30MHz TO 10000 GHz



MID, RB1-0, 30MHz TO 10000 GHz

