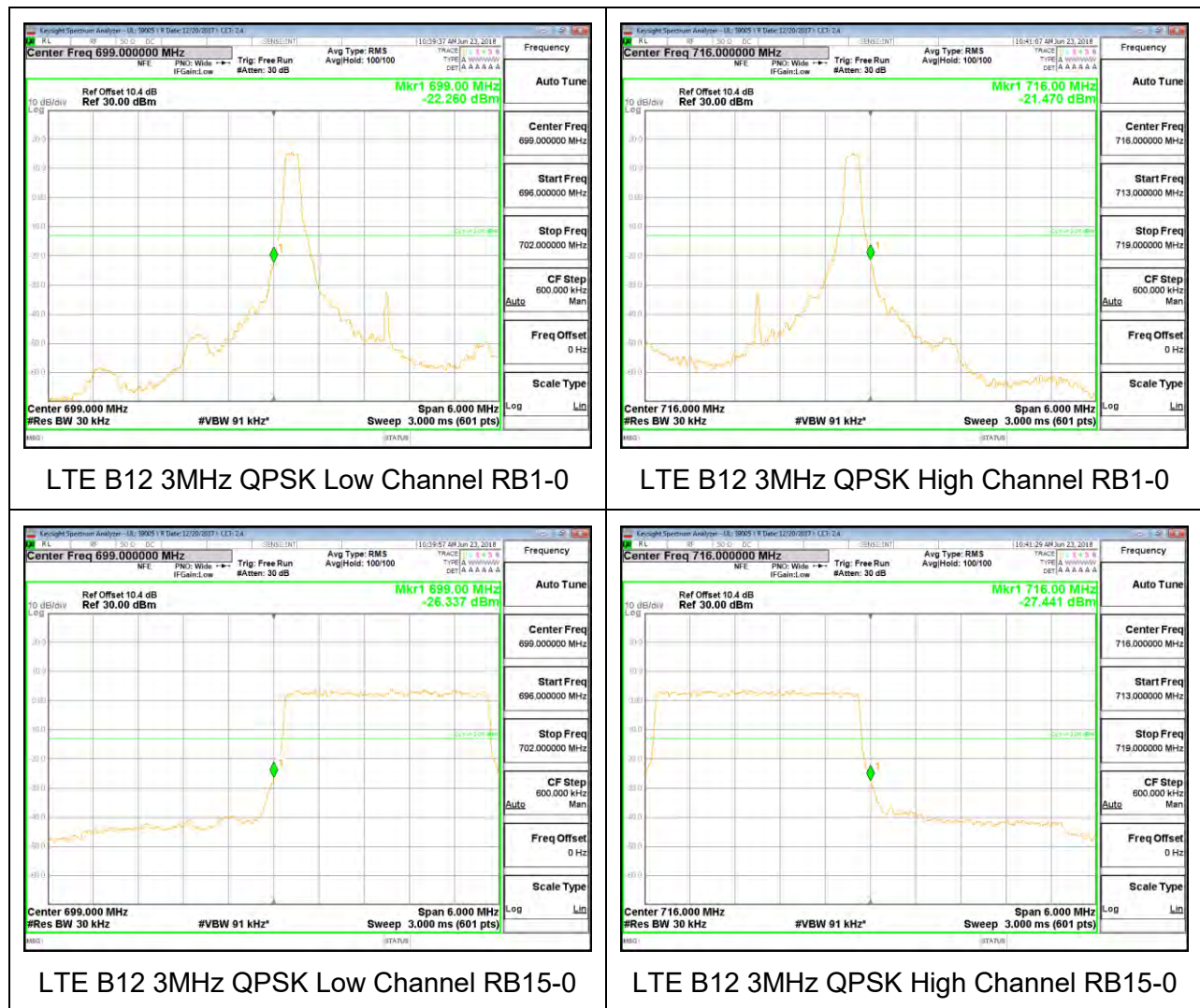
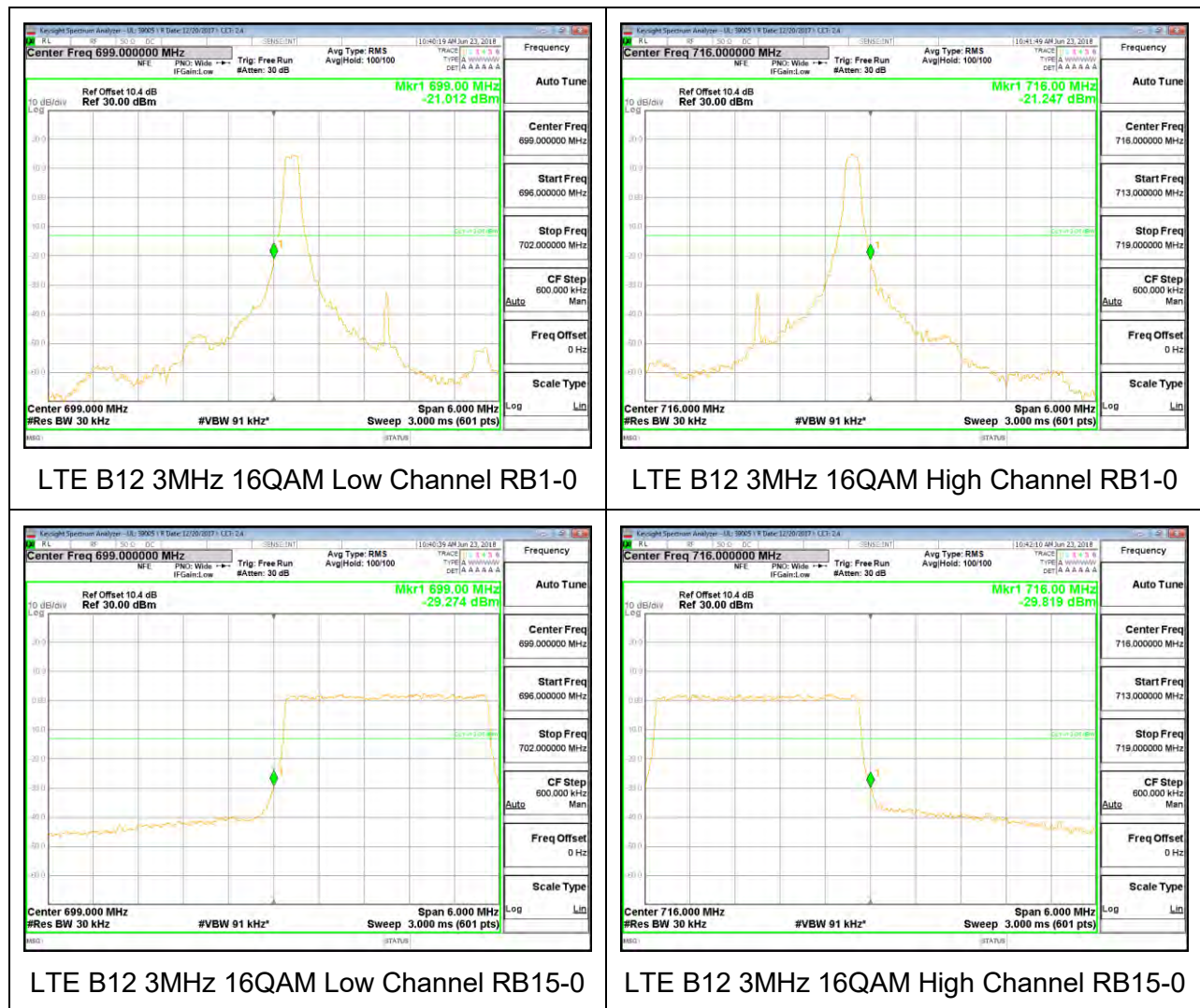
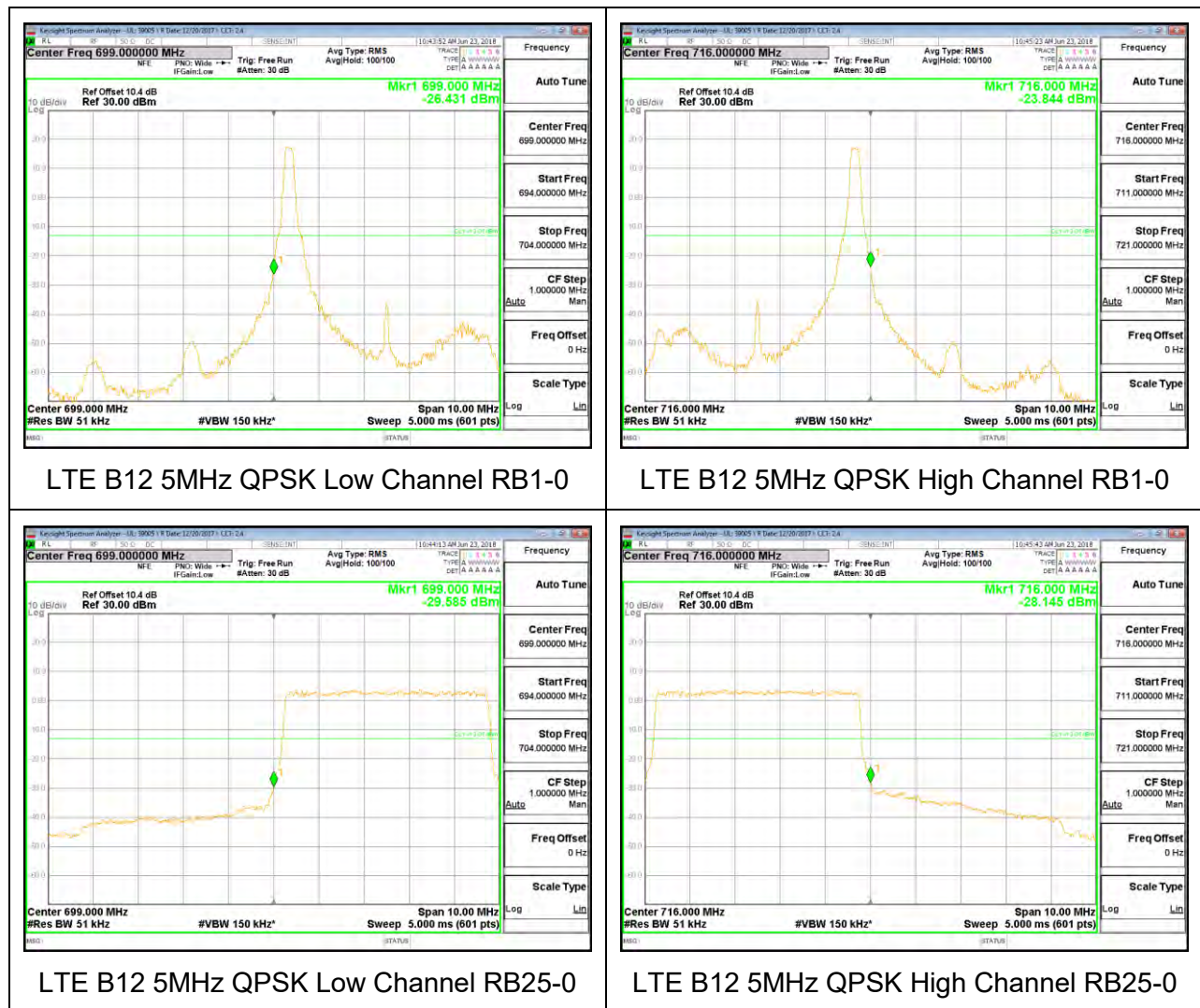
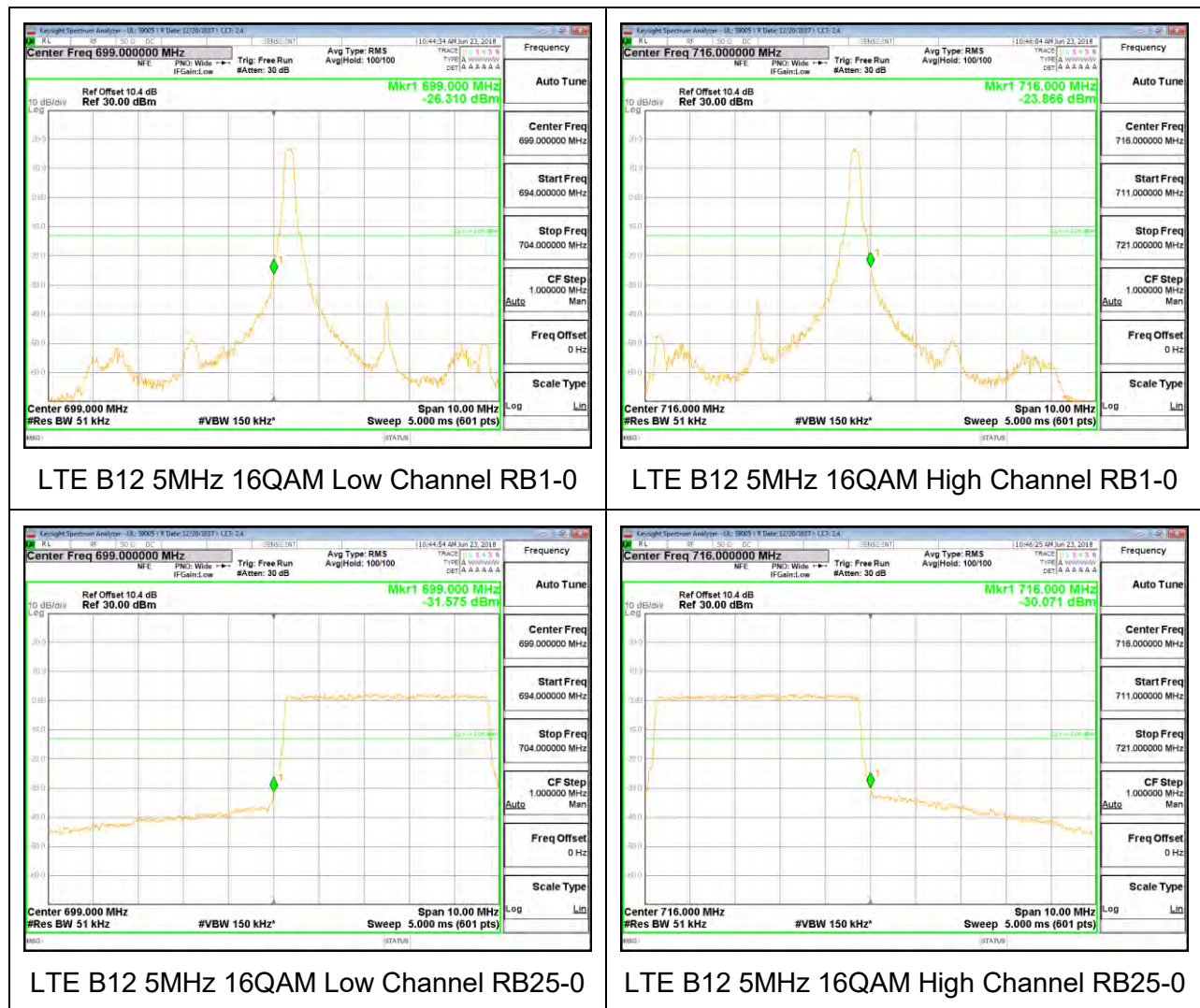
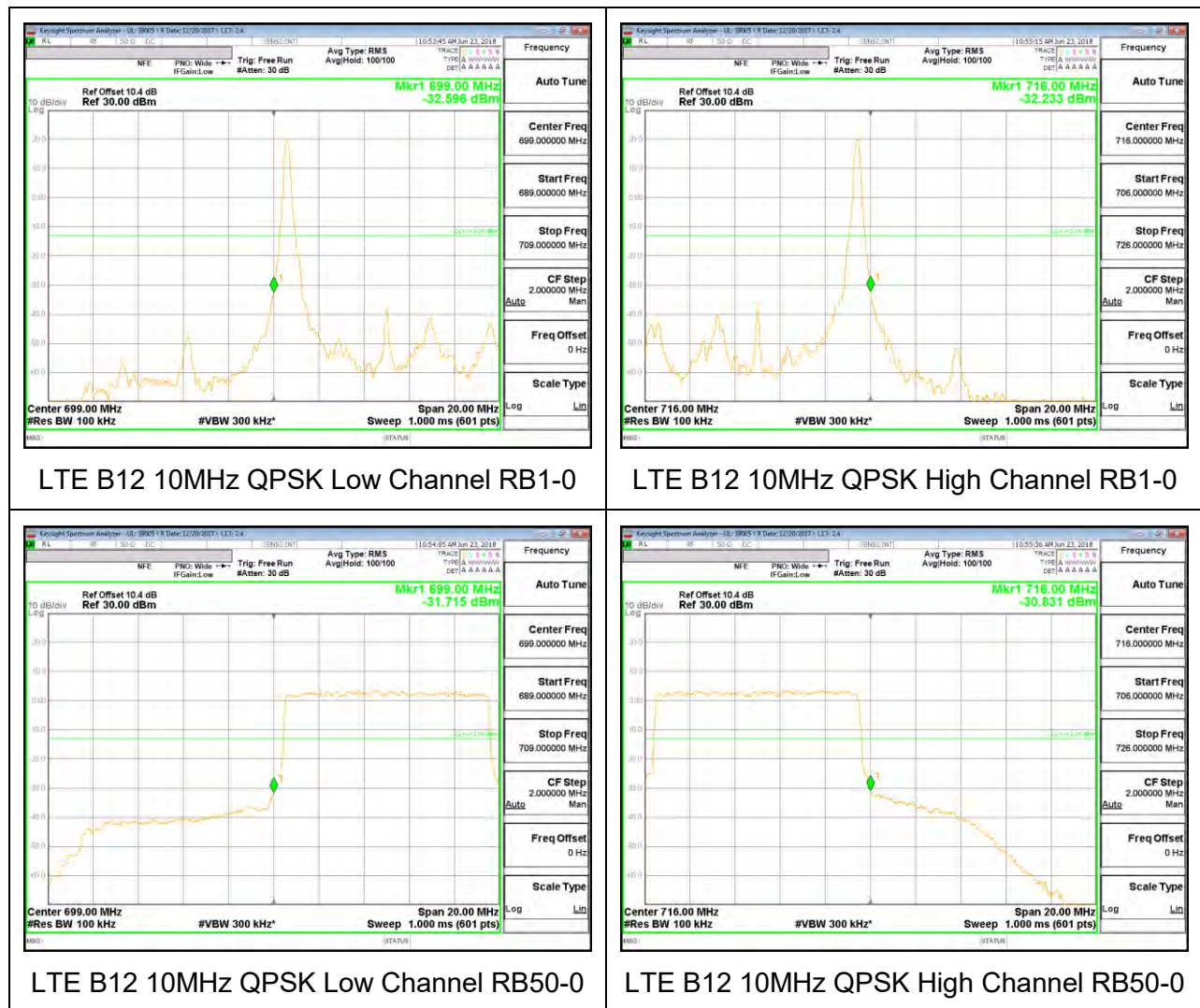


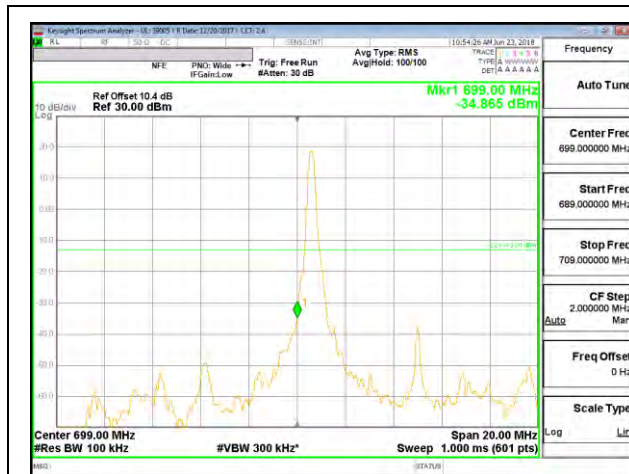












LTE B12 10MHz 16QAM Low Channel RB1-0



LTE B12 10MHz 16QAM High Channel RB1-0

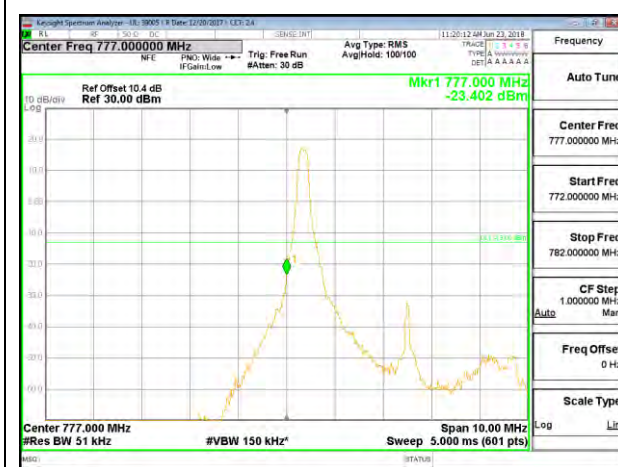


LTE B12 10MHz 16QAM Low Channel RB50-0

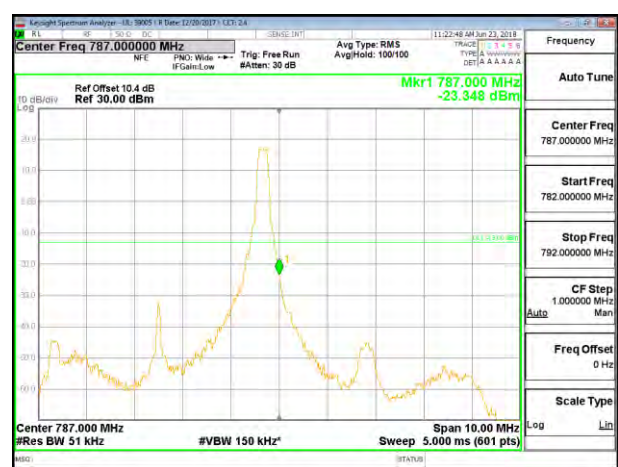


LTE B12 10MHz 16QAM High Channel RB50-0

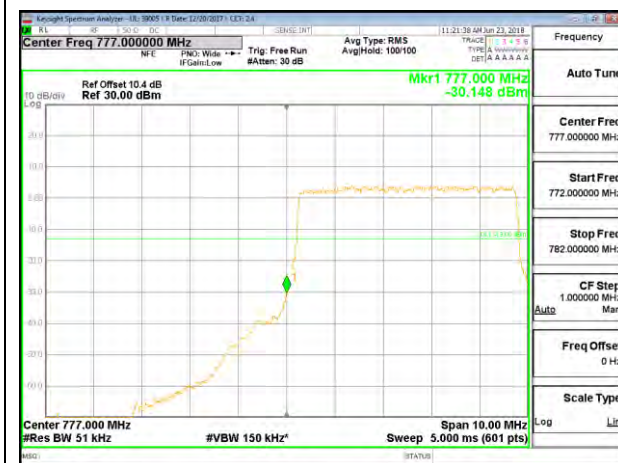
8.2.10. LTE BAND 13 BANDEDGE



LTE B13 5MHz QPSK Low Channel RB1-0



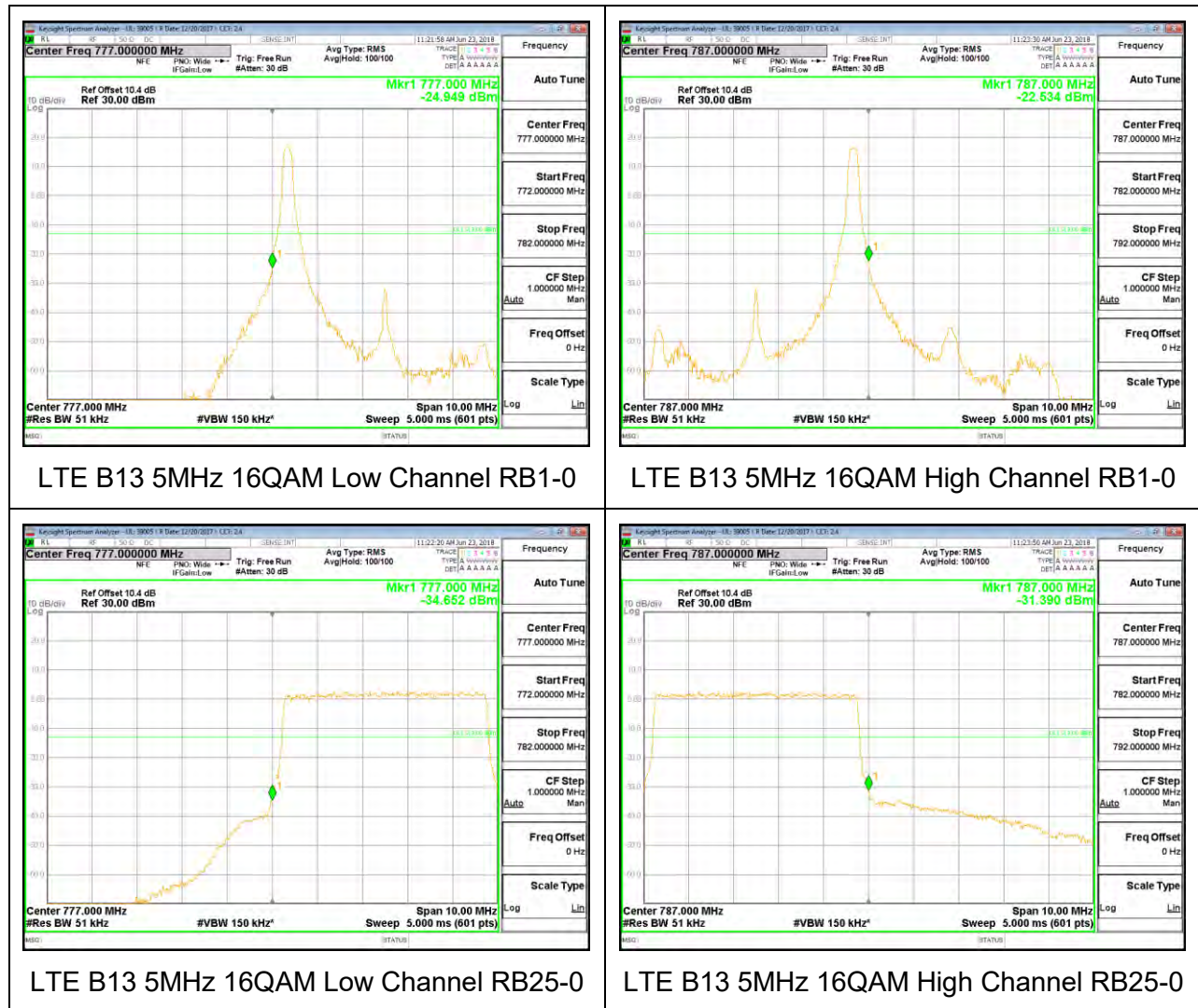
LTE B13 5MHz QPSK High Channel RB1-0

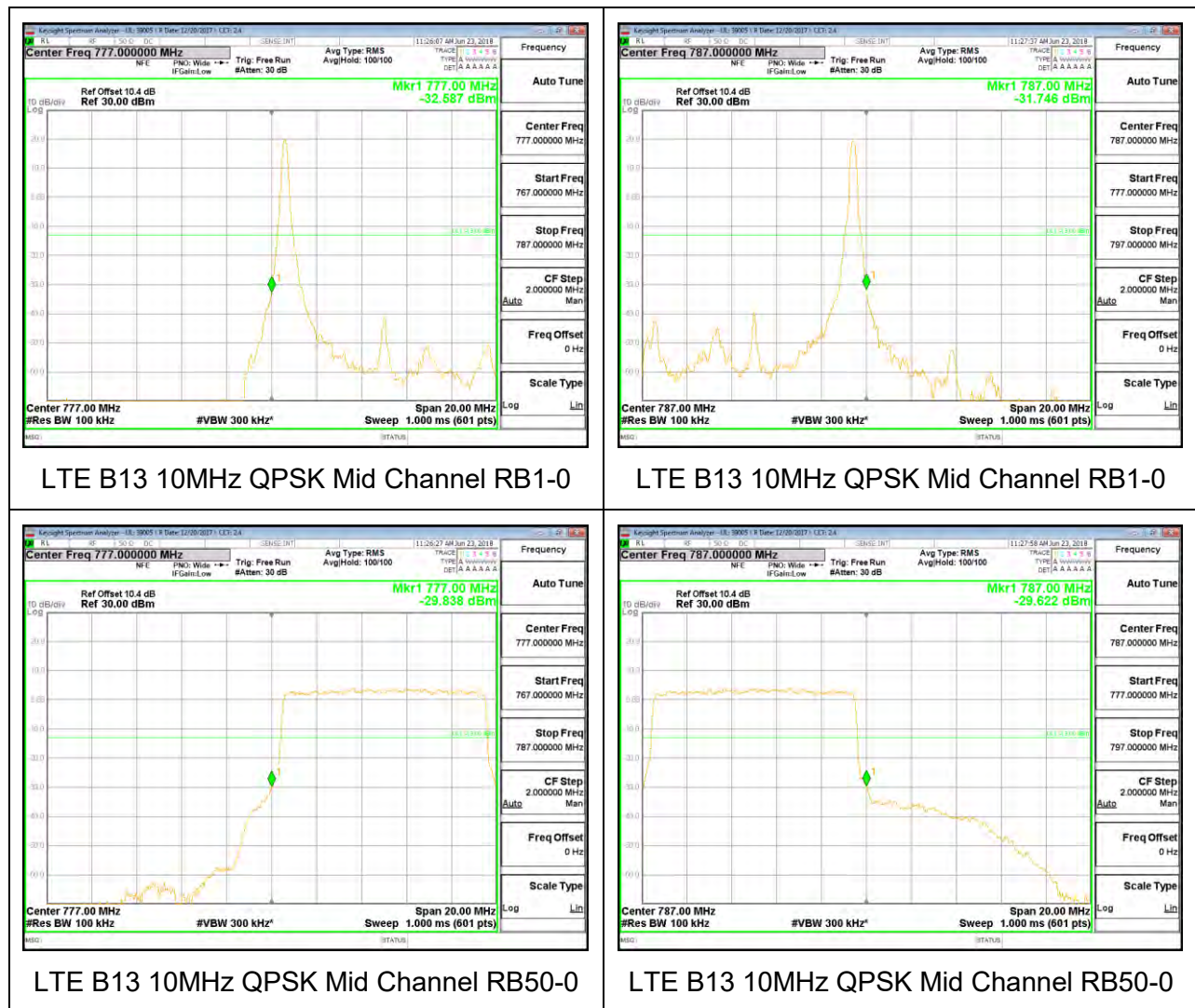


LTE B13 5MHz QPSK Low Channel RB25-0

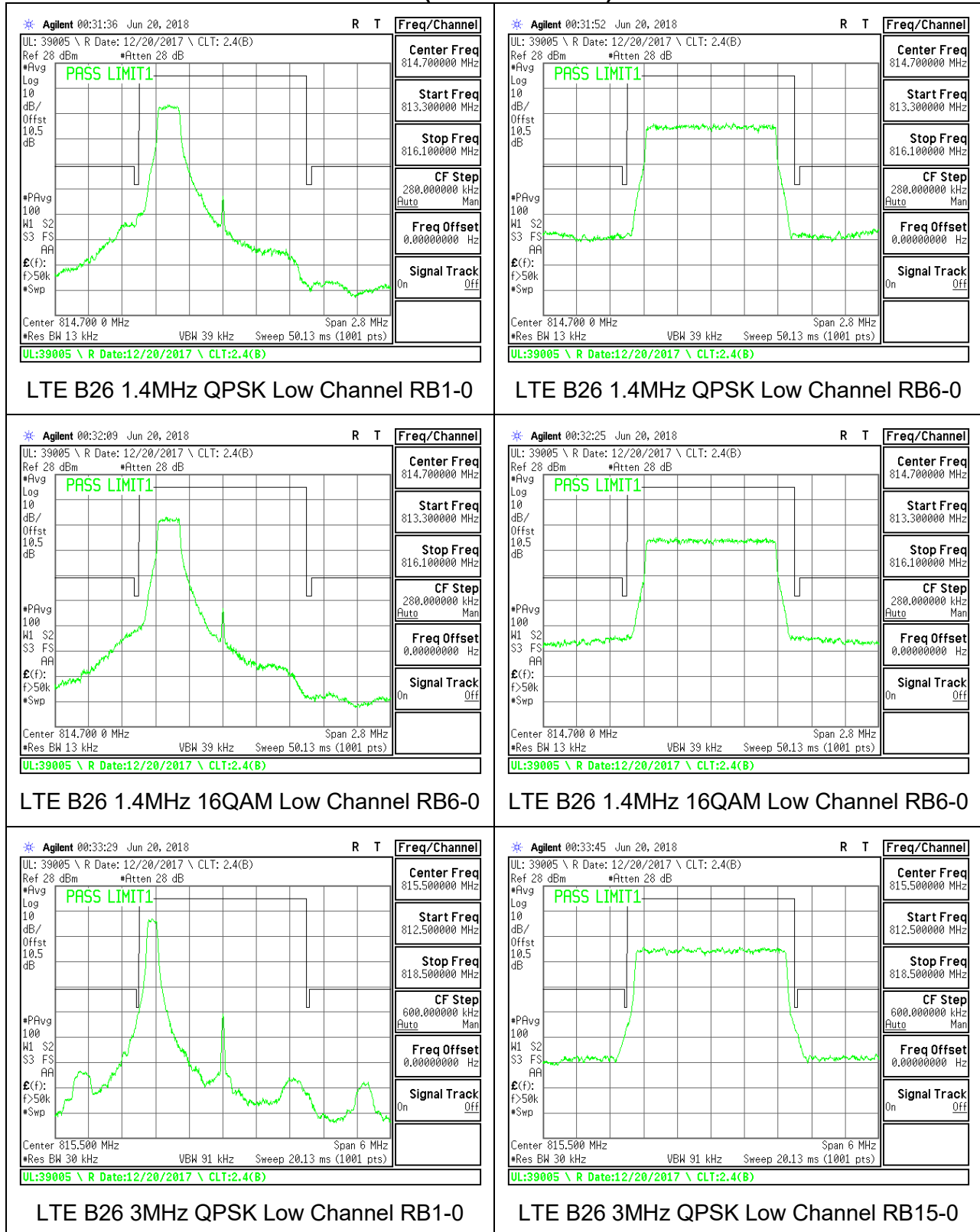


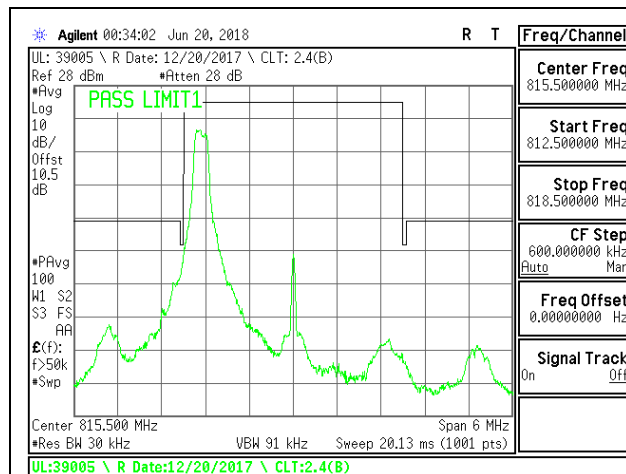
LTE B13 5MHz QPSK High Channel RB25-0



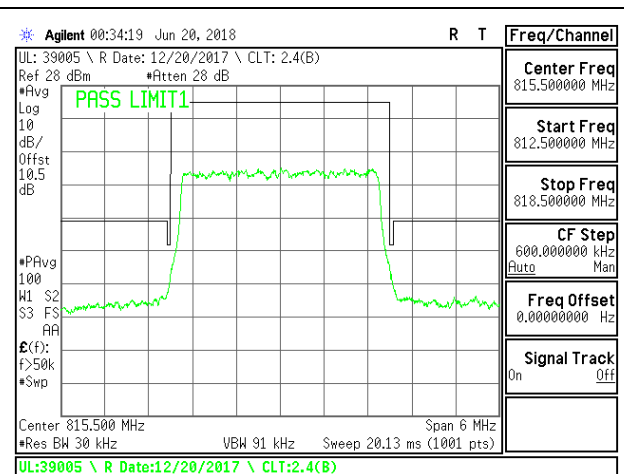


8.2.11. LTE BAND 26 EMISSION MASK (FCC PART 90S)

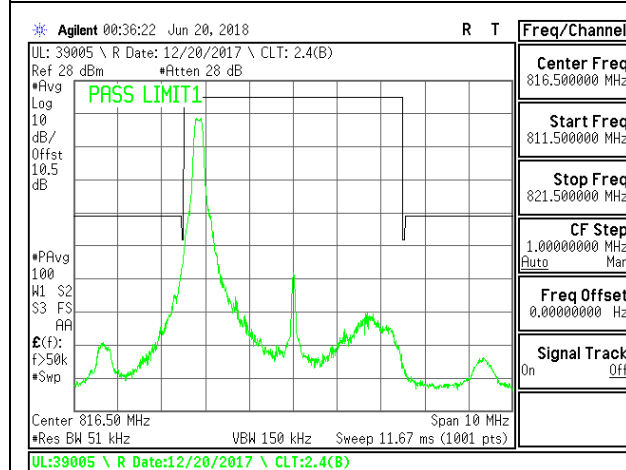




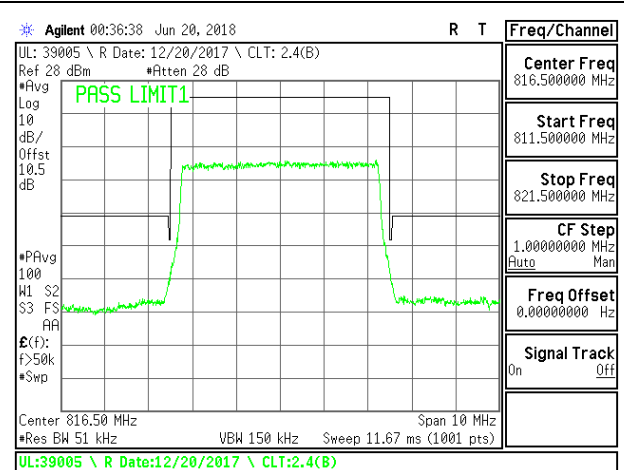
LTE B26 3MHz 16QAM Low Channel RB1-0



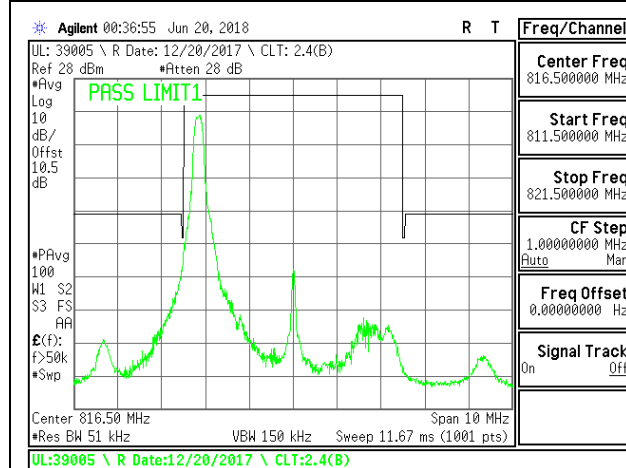
LTE B26 3MHz 16QAM Low Channel RB15-0



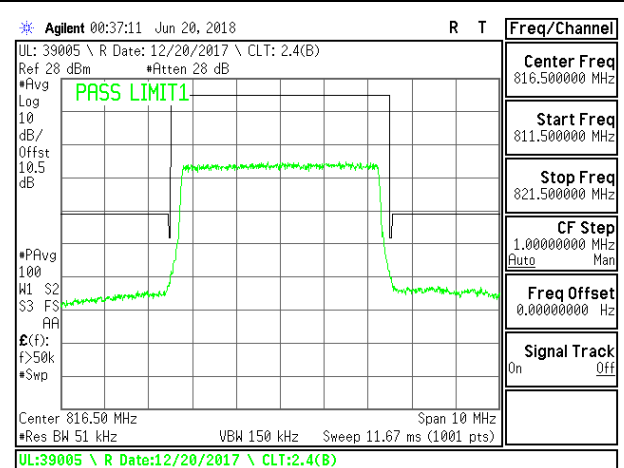
LTE B26 5MHz QPSK Low Channel RB1-0



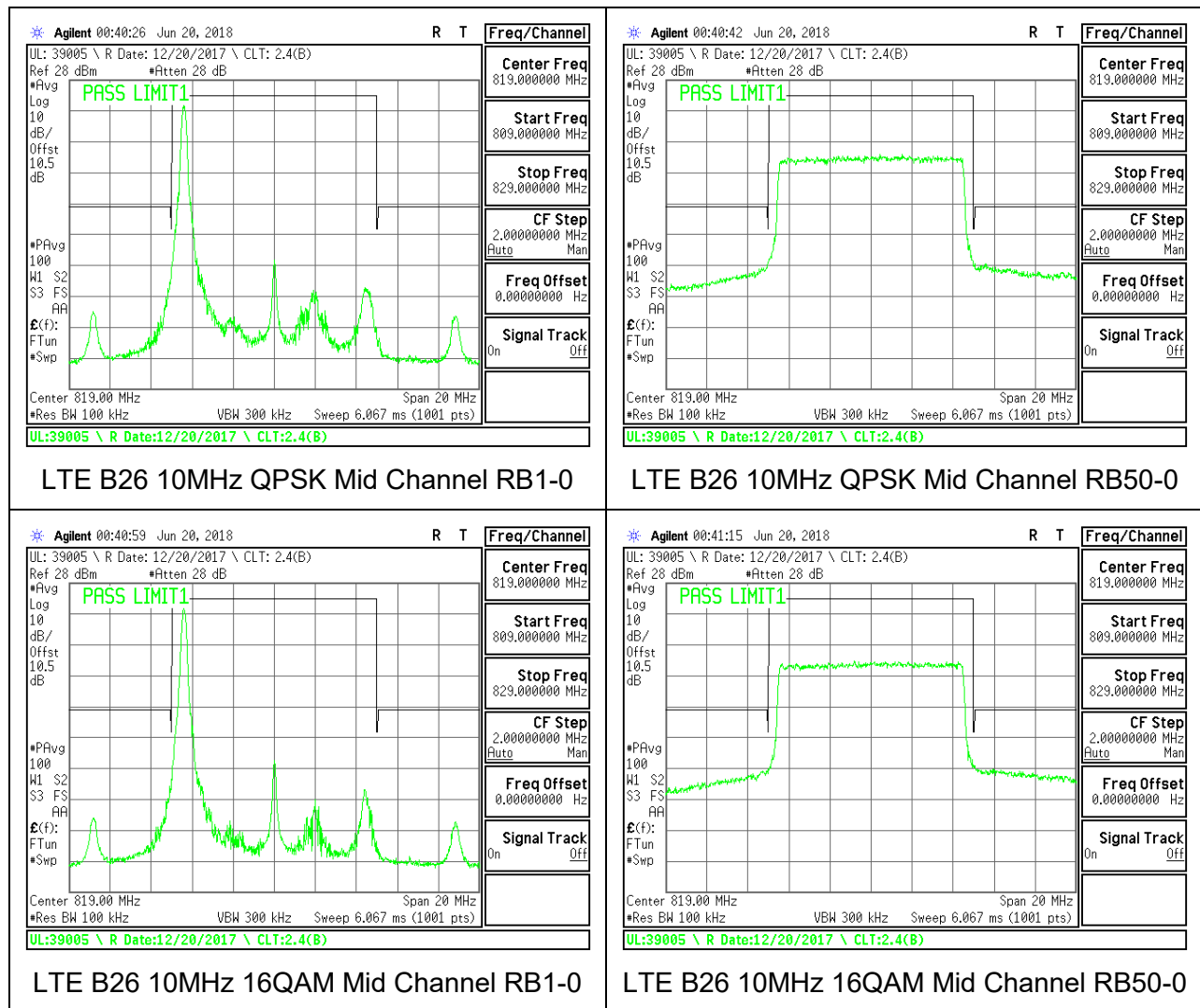
LTE B26 5MHz QPSK Low Channel RB25-0



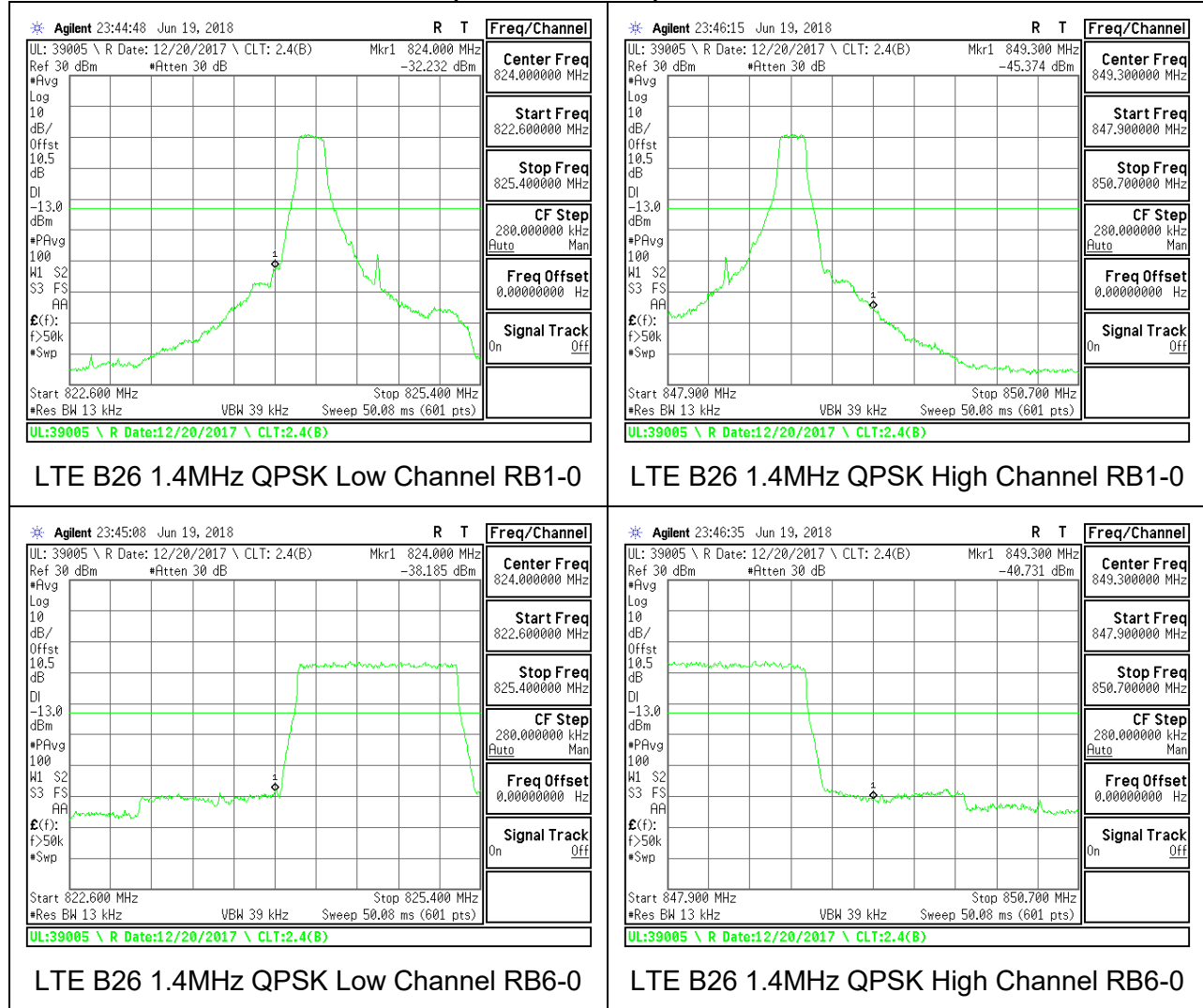
LTE B26 5MHz 16QAM Low Channel RB1-0

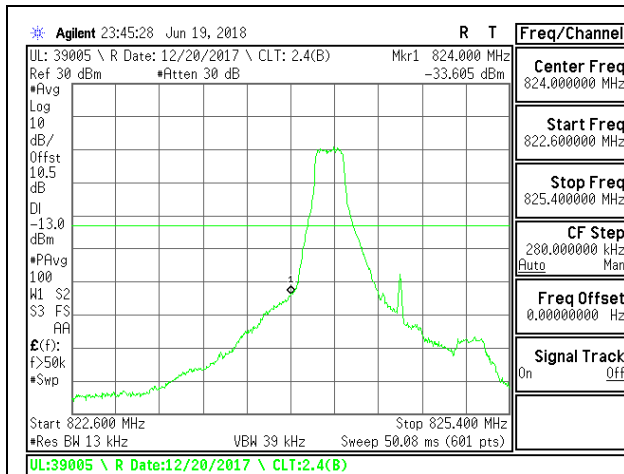


LTE B26 5MHz 16QAM Low Channel RB25-0

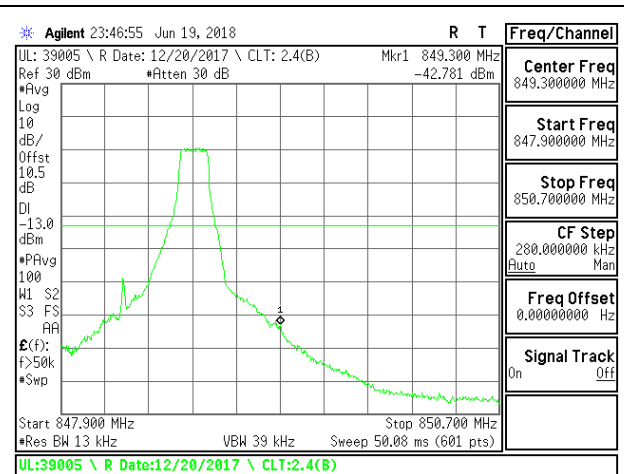


8.2.12. LTE BAND 26 BANDEDGE (FCC PART 22)

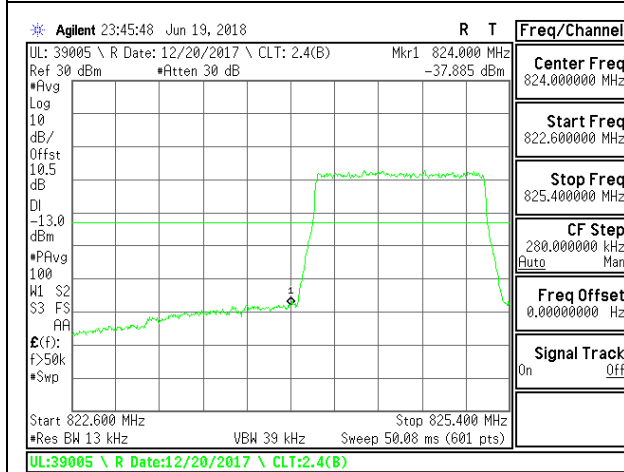




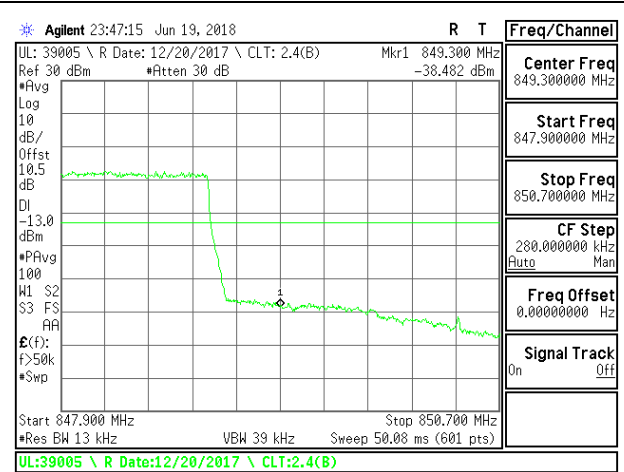
LTE B26 1.4MHz 16QAM Low Channel RB1-0



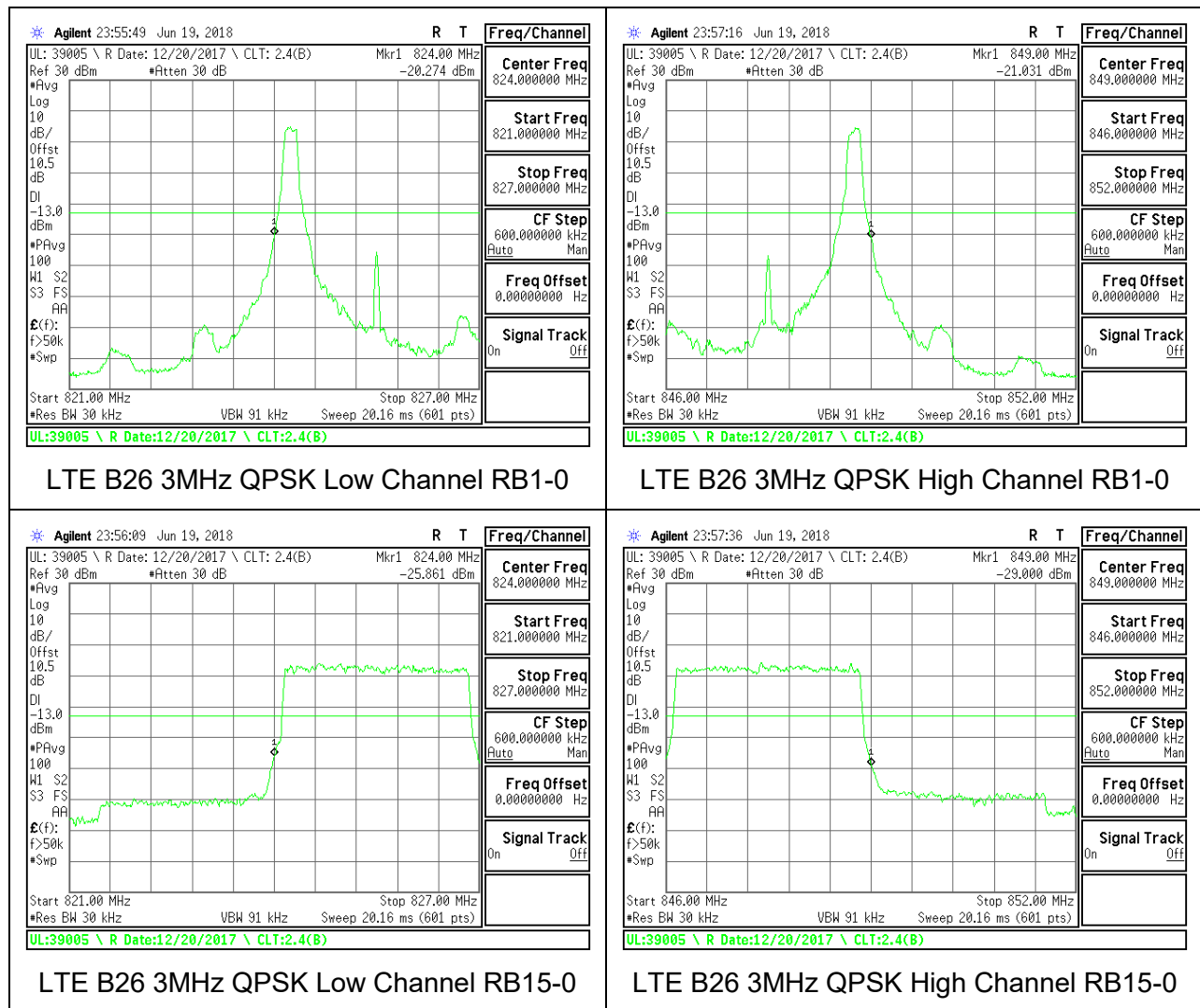
LTE B26 1.4MHz 16QAM High Channel RB1-0

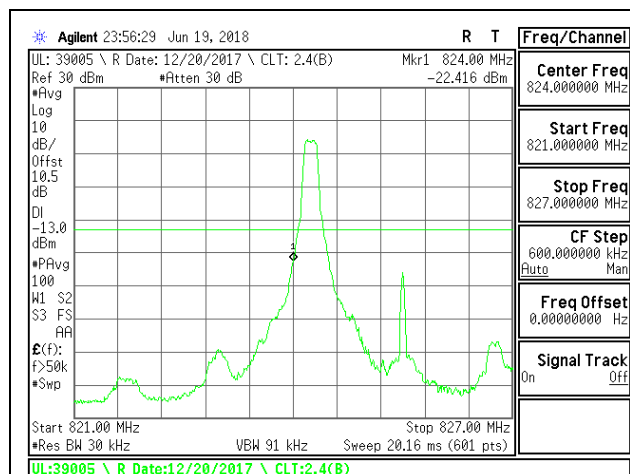


LTE B26 1.4MHz 16QAM Low Channel RB6-0

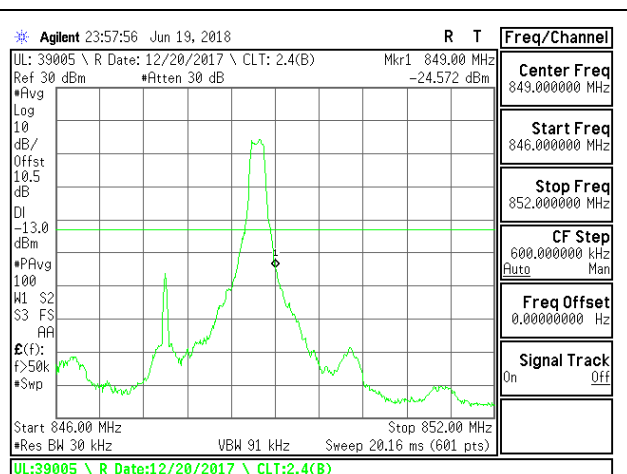


LTE B26 1.4MHz 16QAM High Channel RB6-0

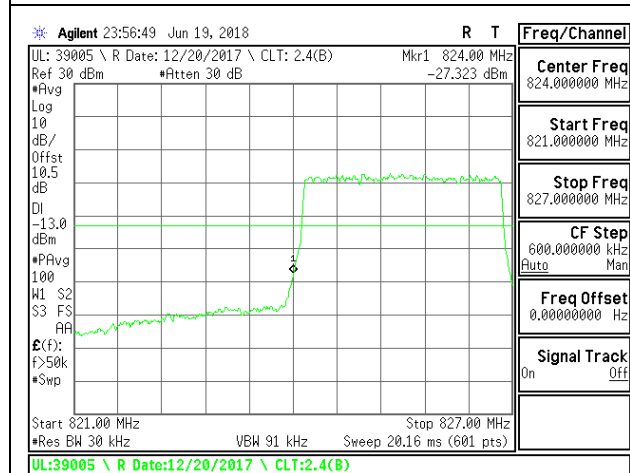




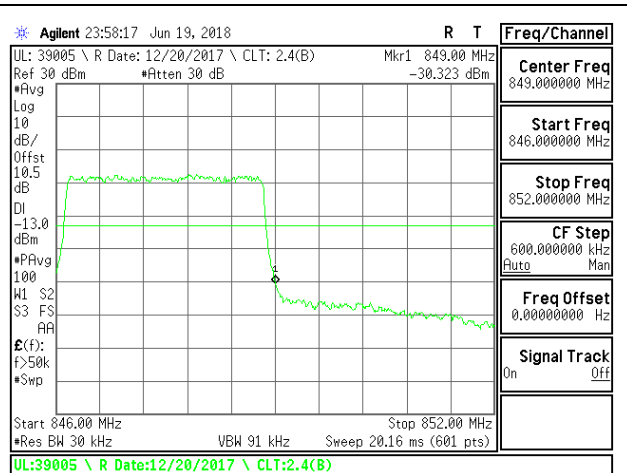
LTE B26 3MHz 16QAM Low Channel RB1-0



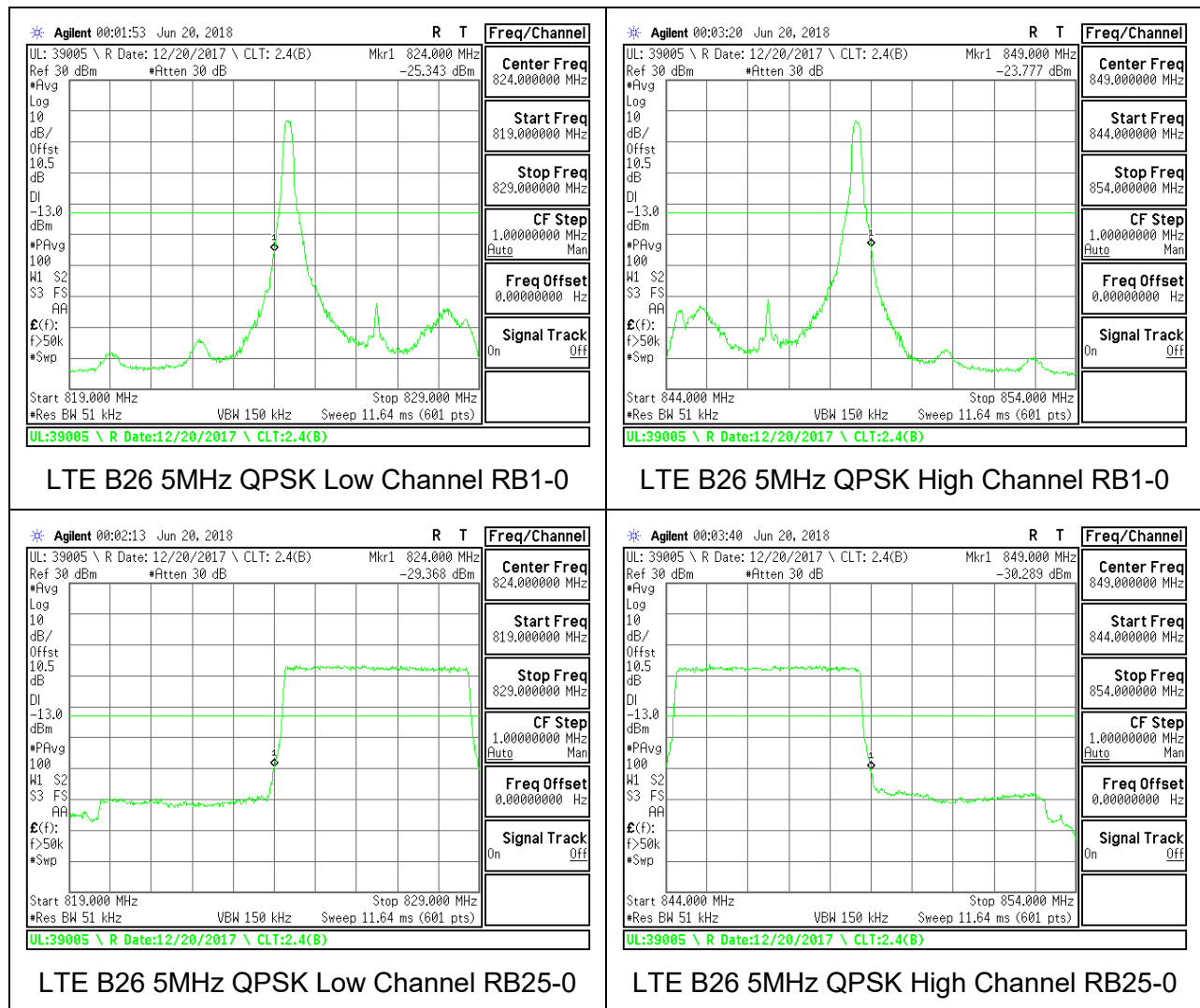
LTE B26 3MHz 16QAM High Channel RB1-0

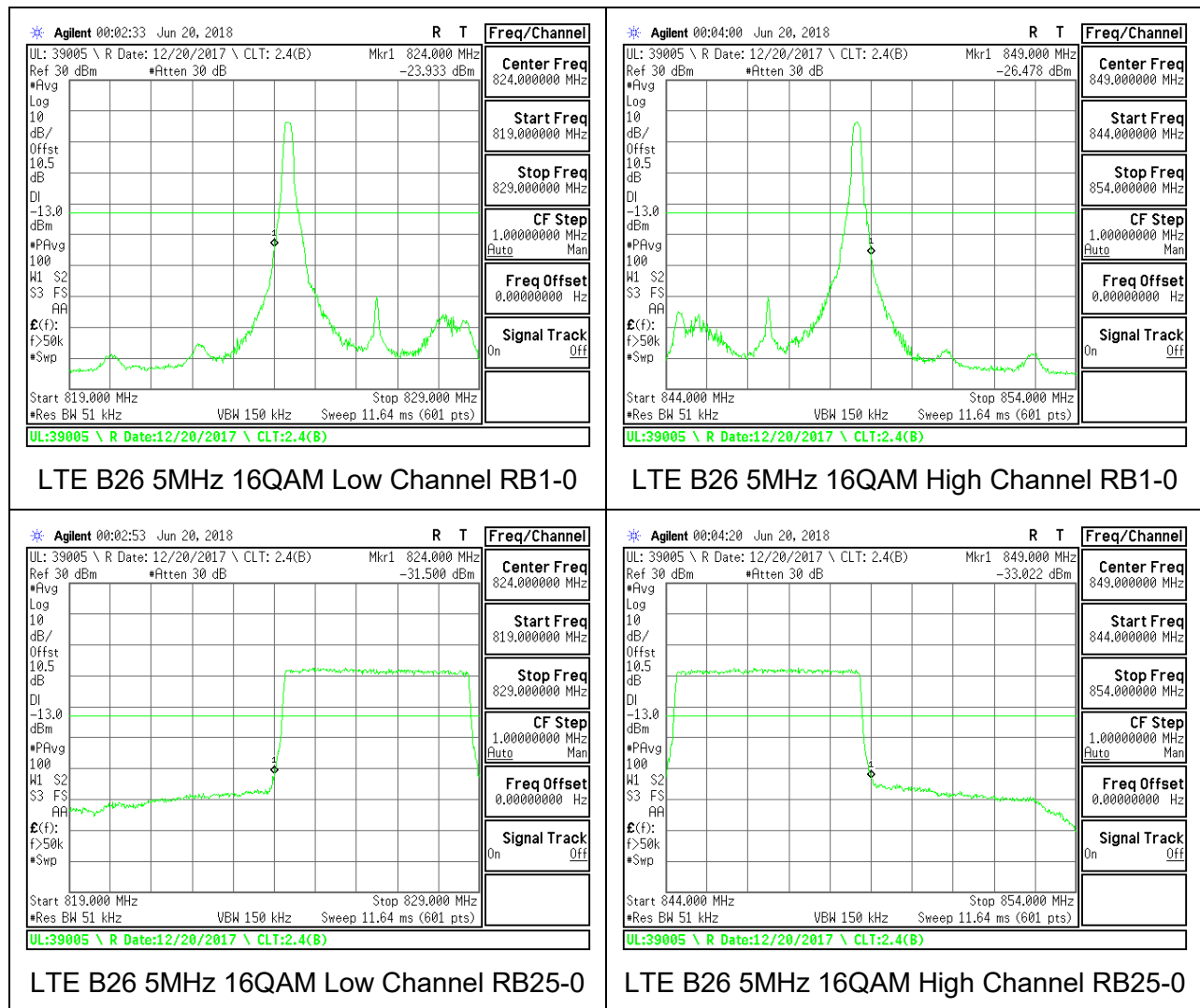


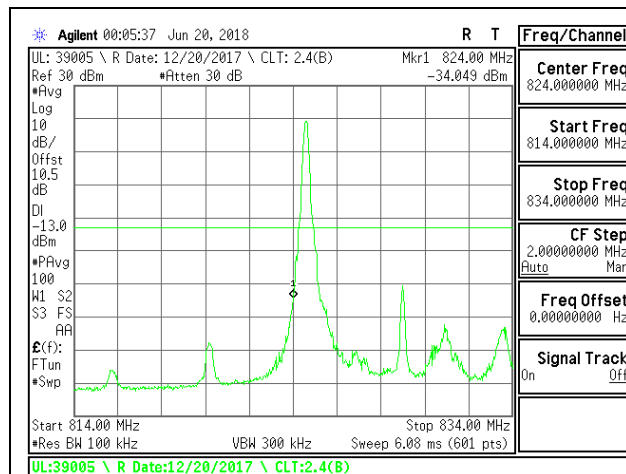
LTE B26 3MHz 16QAM Low Channel RB15-0



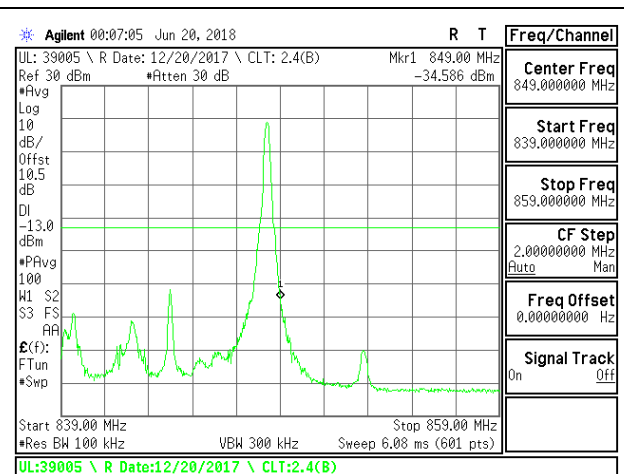
LTE B26 3MHz 16QAM High Channel RB15-0



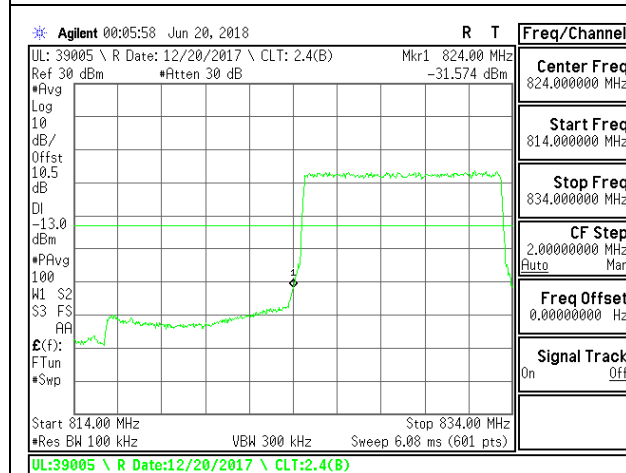




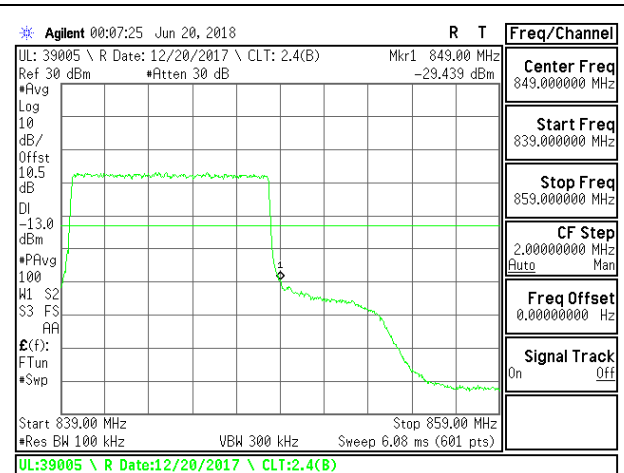
LTE B26 10MHz QPSK Low Channel RB1-0



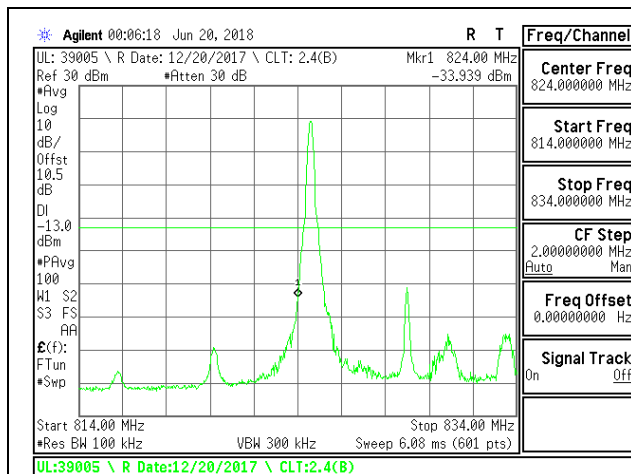
LTE B26 10MHz QPSK High Channel RB1-0



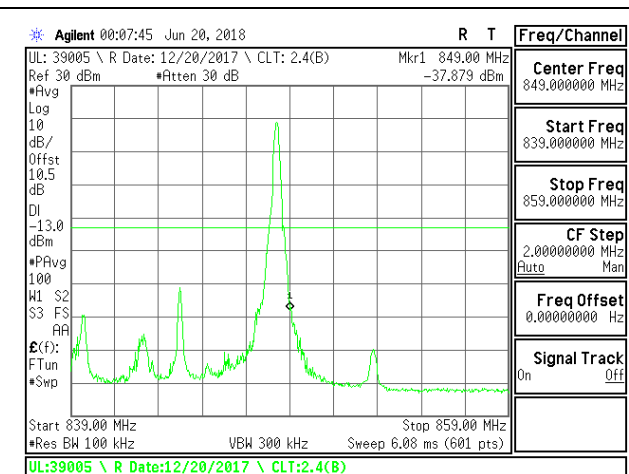
LTE B26 10MHz QPSK Low Channel RB50-0



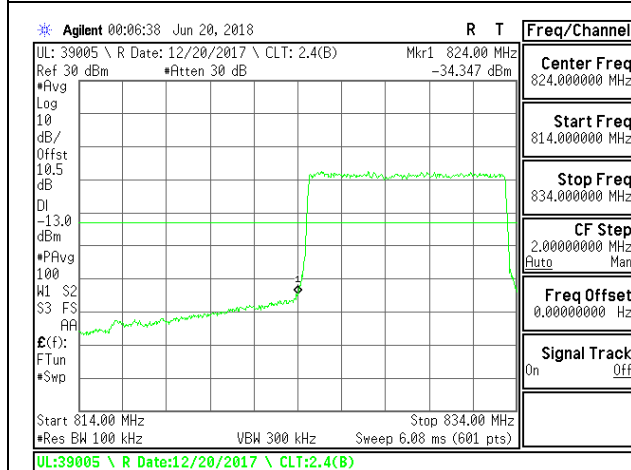
LTE B26 10MHz QPSK High Channel RB50-0



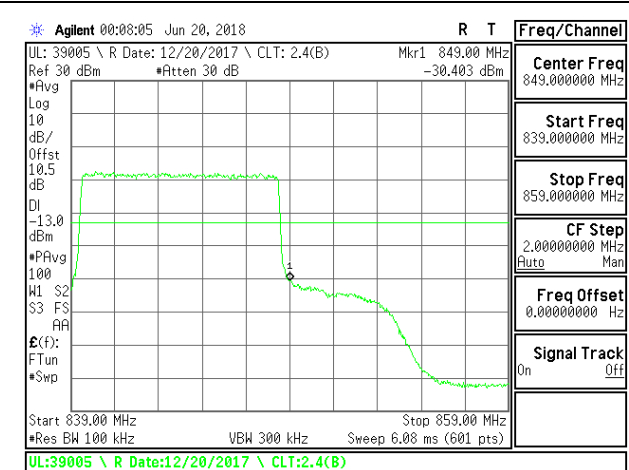
LTE B26 10MHz 16QAM Low Channel RB1-0



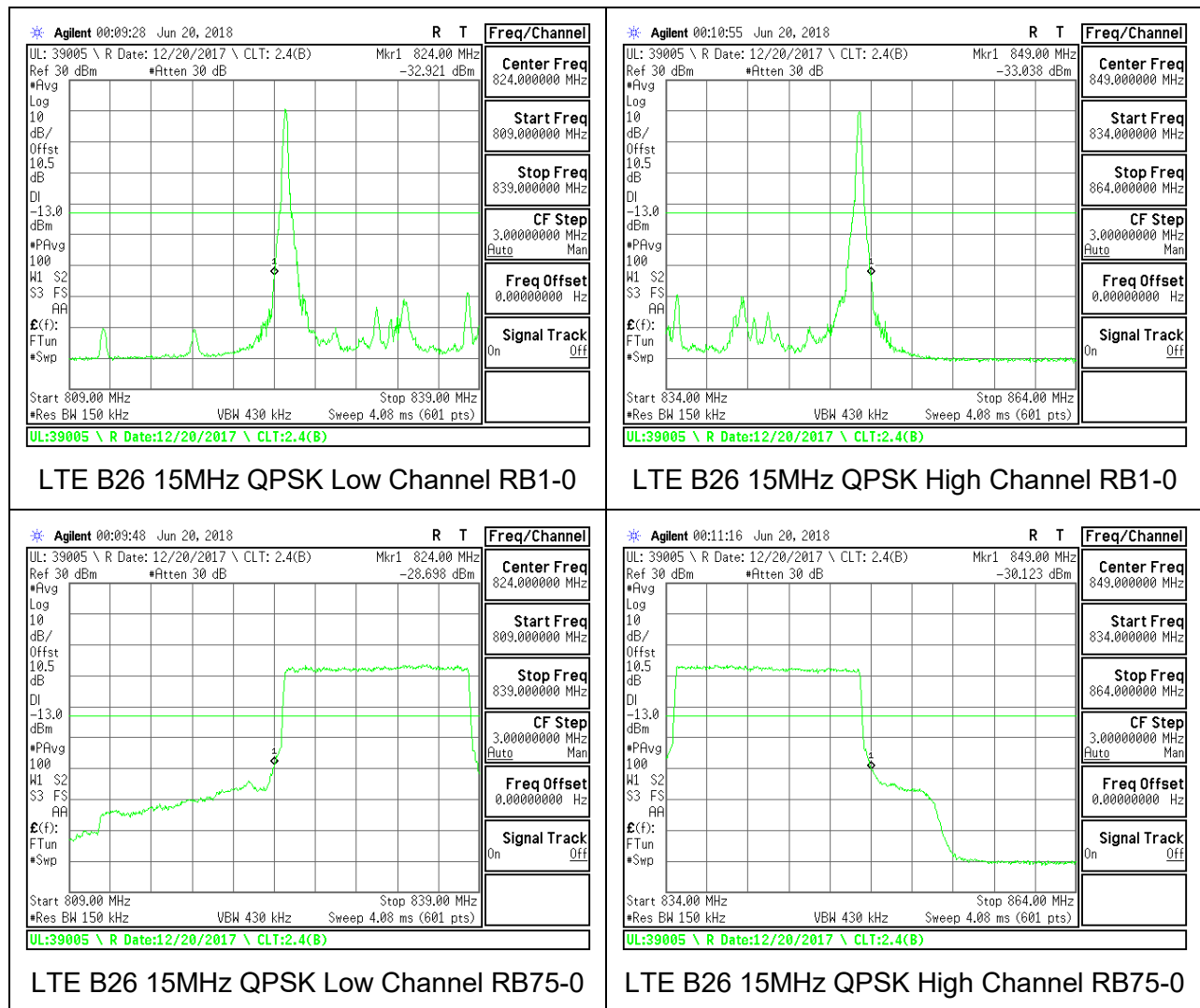
LTE B26 10MHz 16QAM High Channel RB1-0

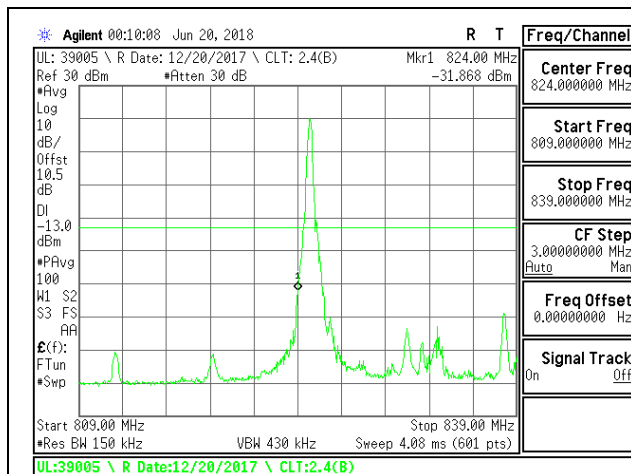


LTE B26 10MHz 16QAM Low Channel RB50-0

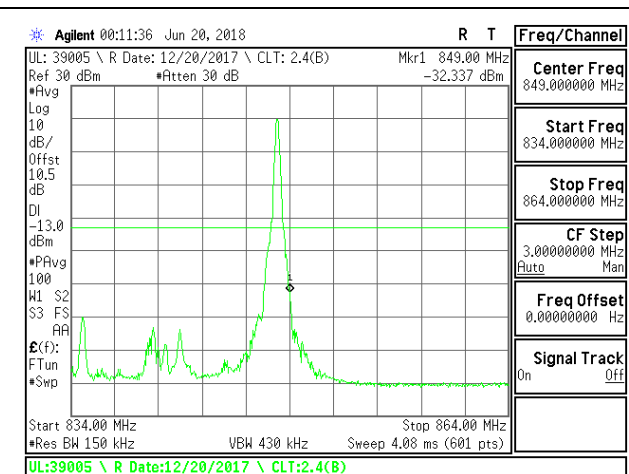


LTE B26 10MHz 16QAM High Channel RB50-0

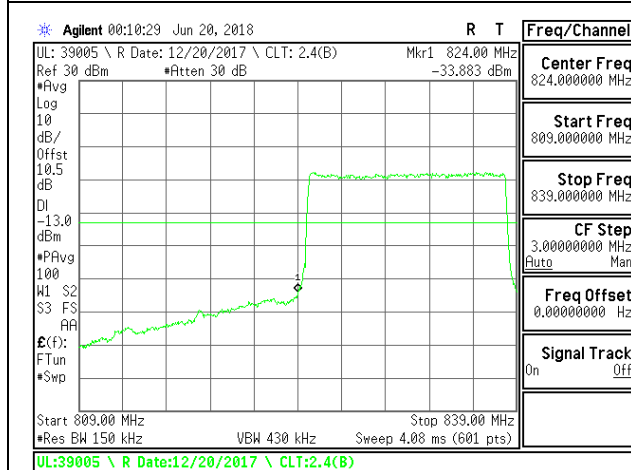




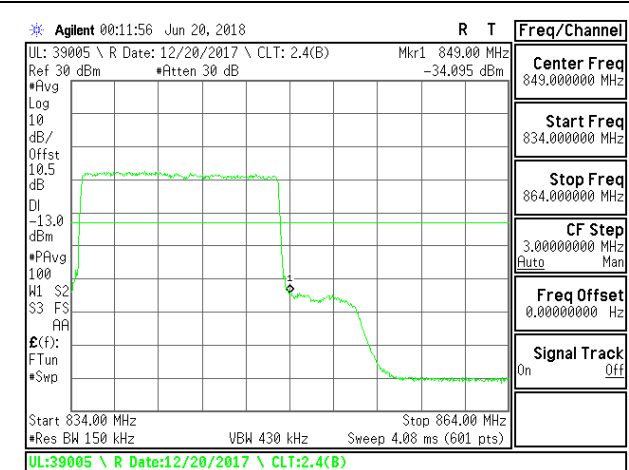
LTE B26 15MHz 16QAM Low Channel RB1-0



LTE B26 15MHz 16QAM High Channel RB1-0

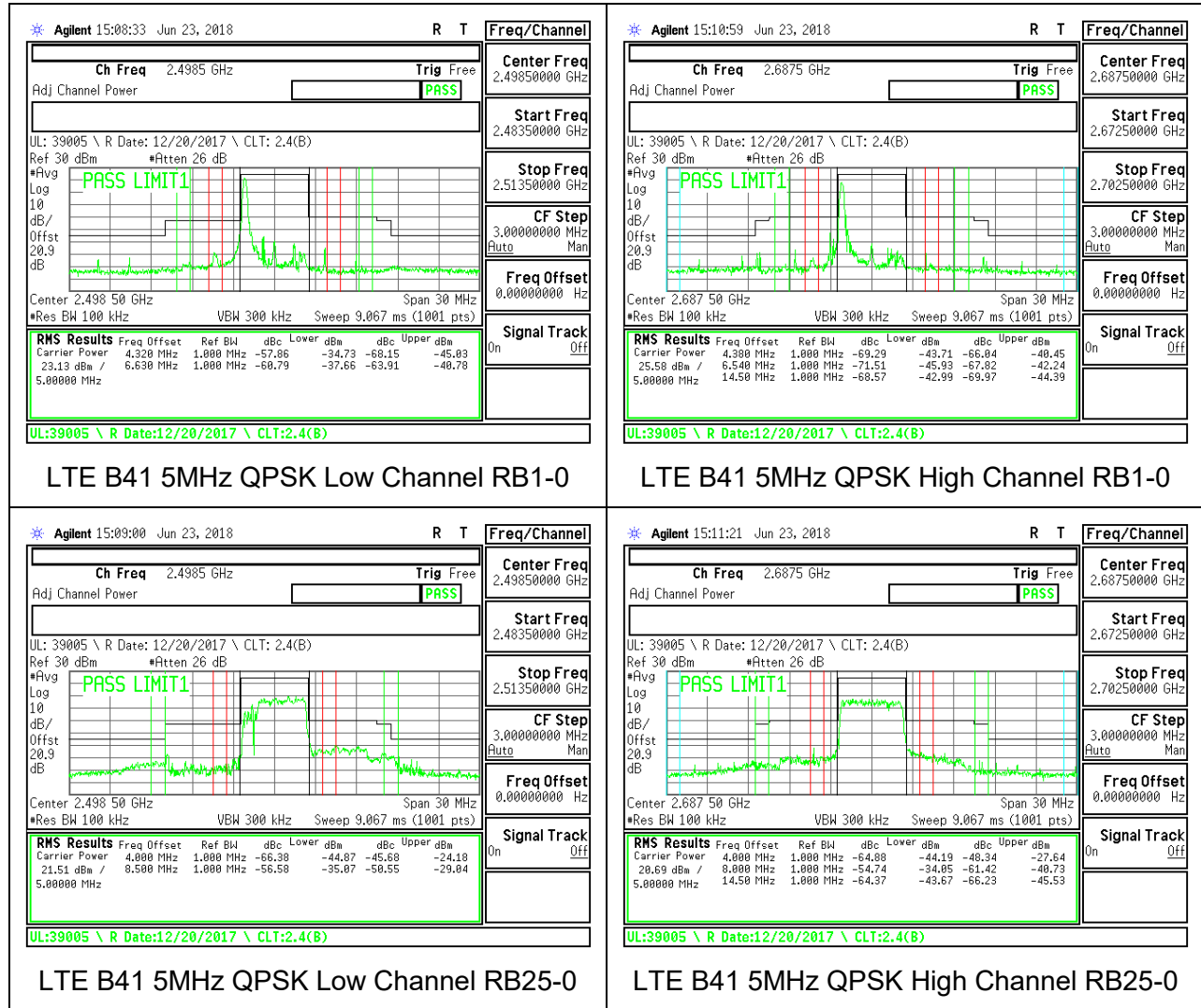


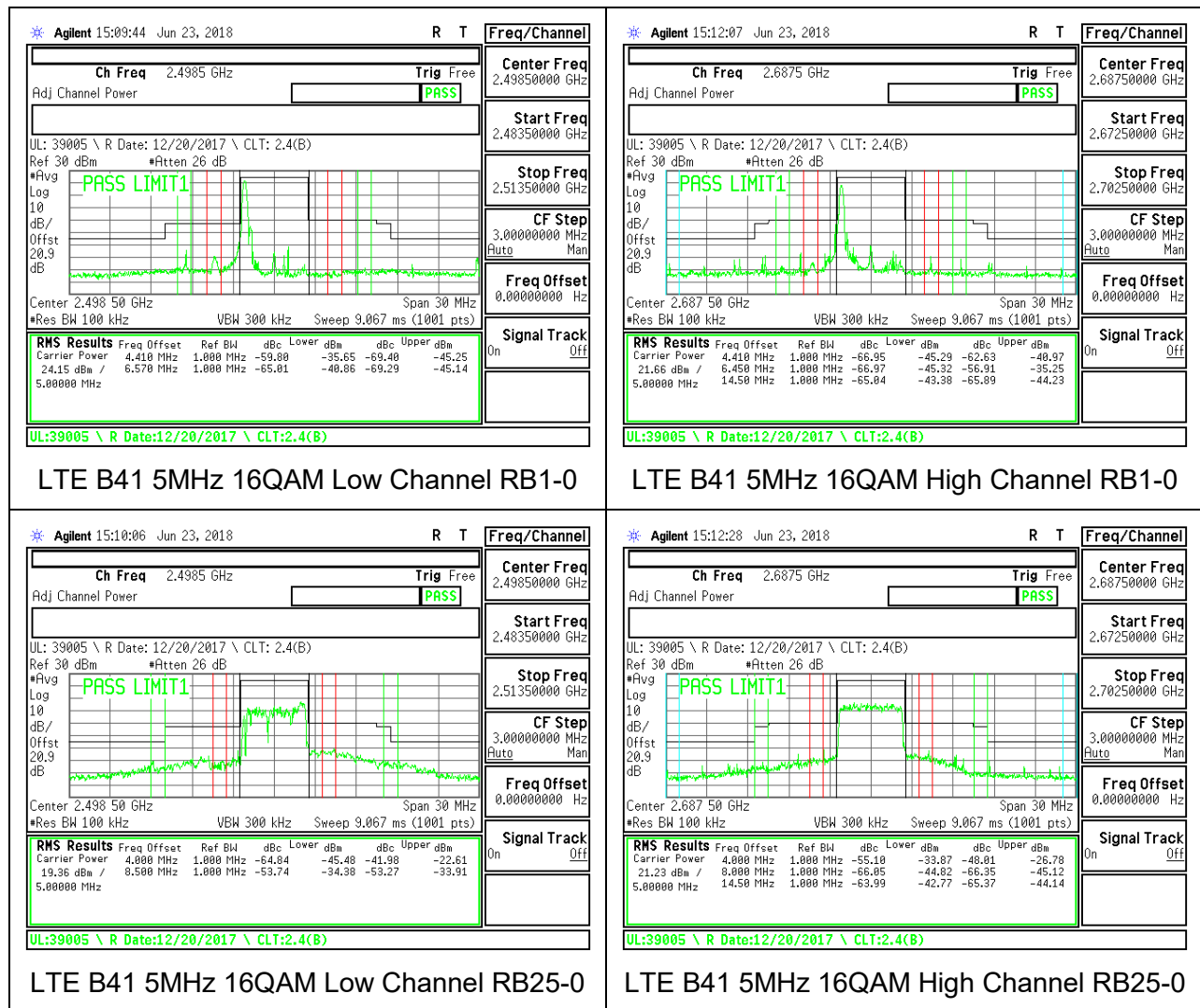
LTE B26 15MHz 16QAM Low Channel RB75-0

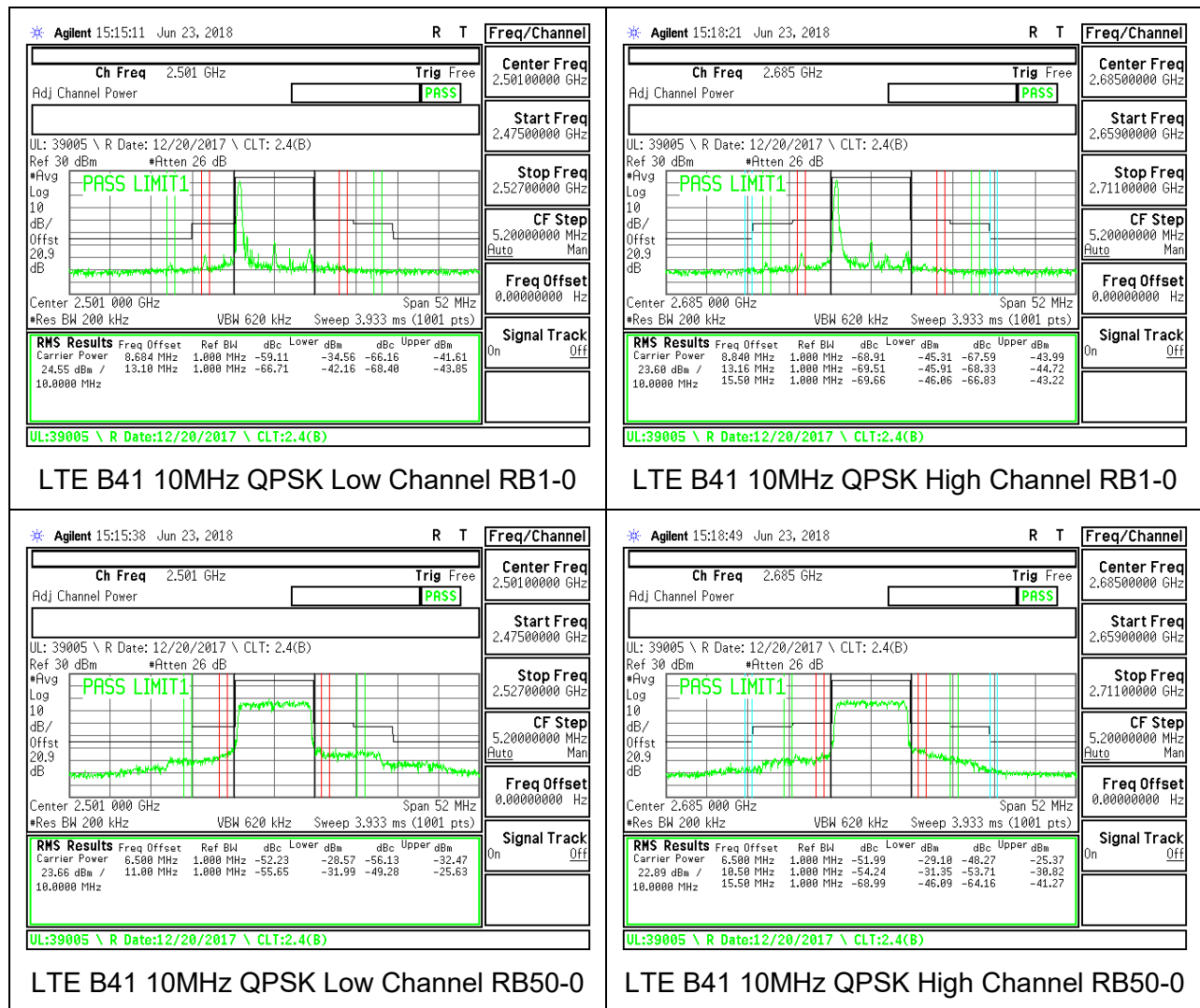


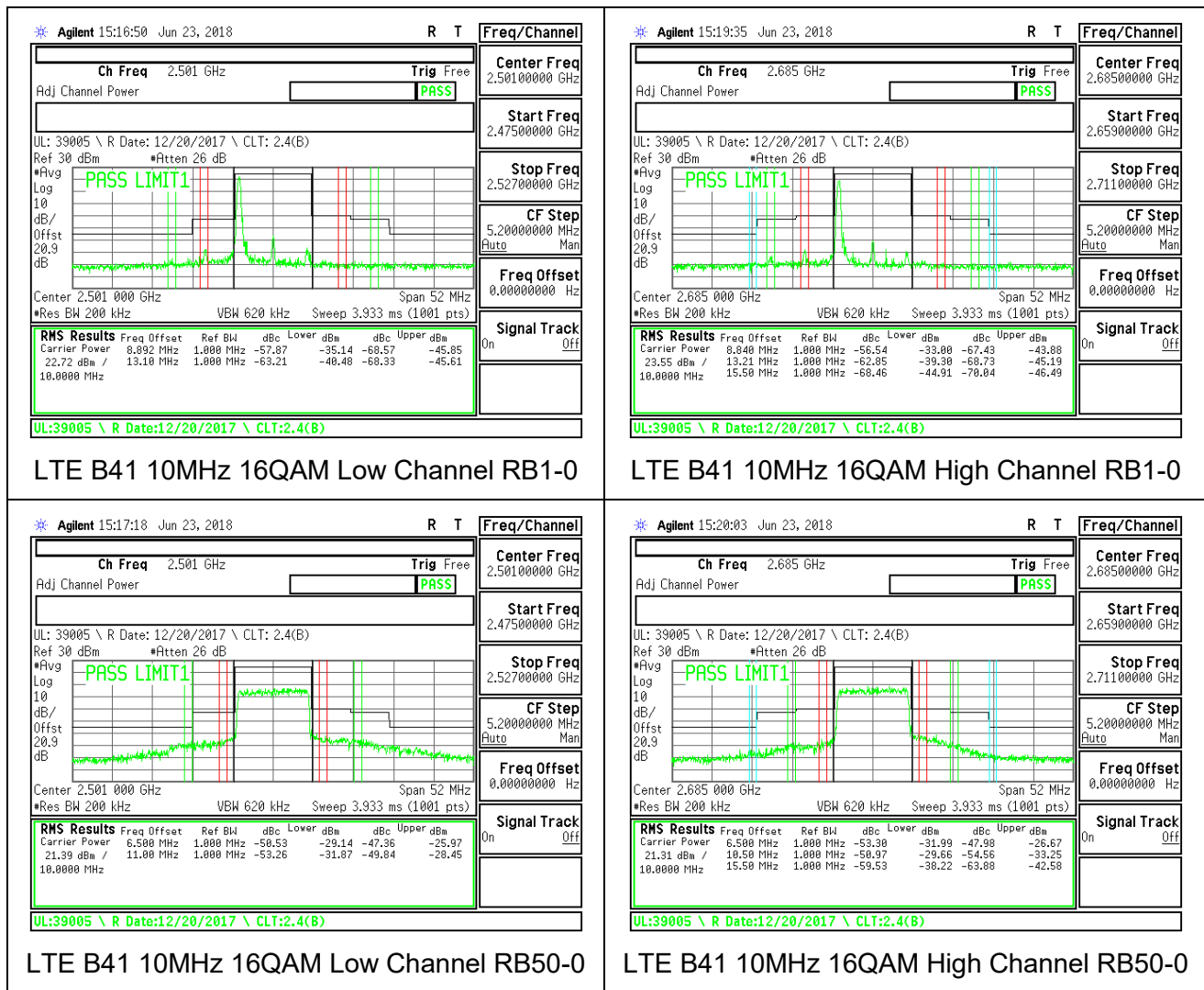
LTE B26 15MHz 16QAM High Channel RB75-0

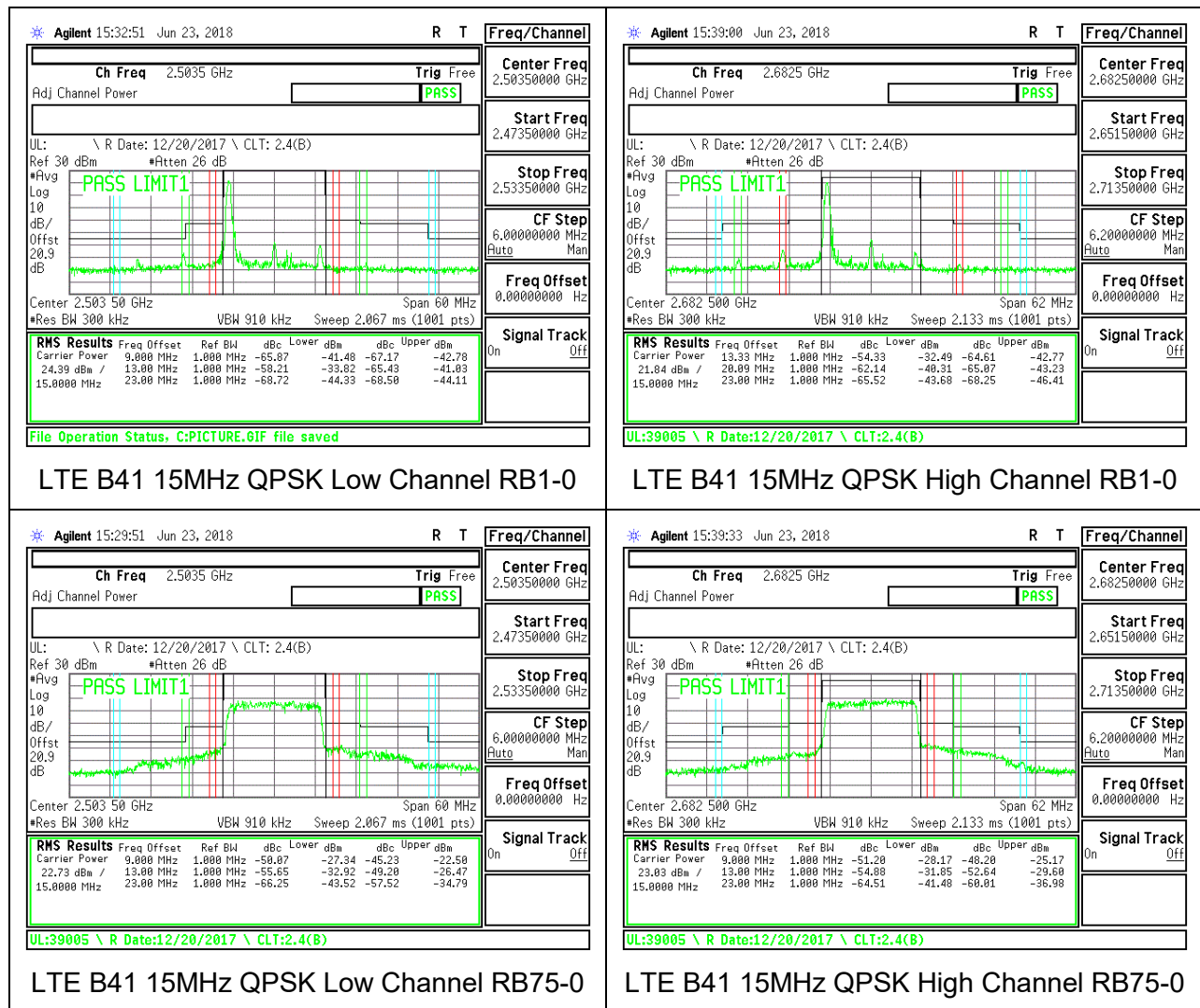
8.2.13. LTE BAND 41 ADJACENT CHANNEL POWER

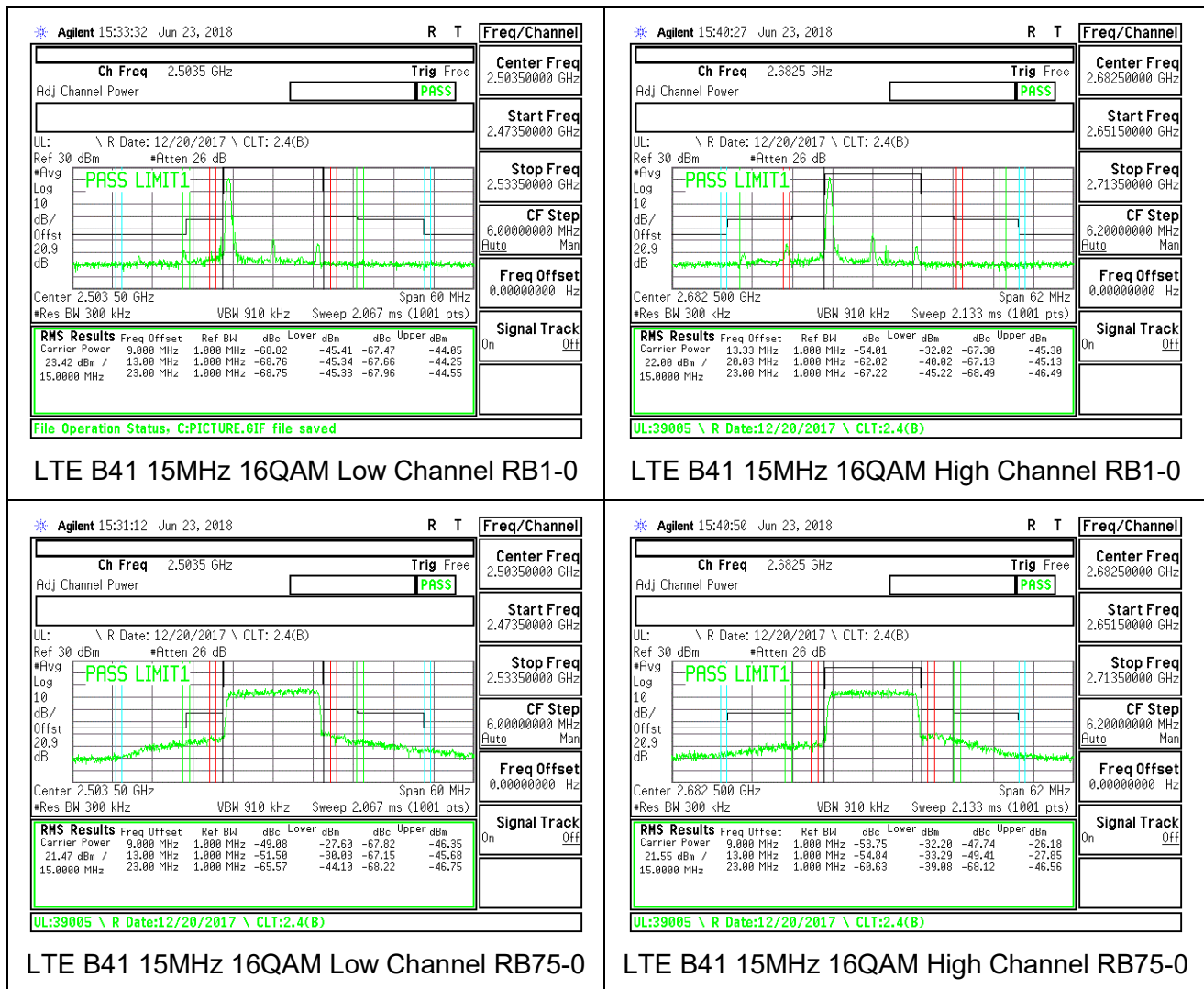


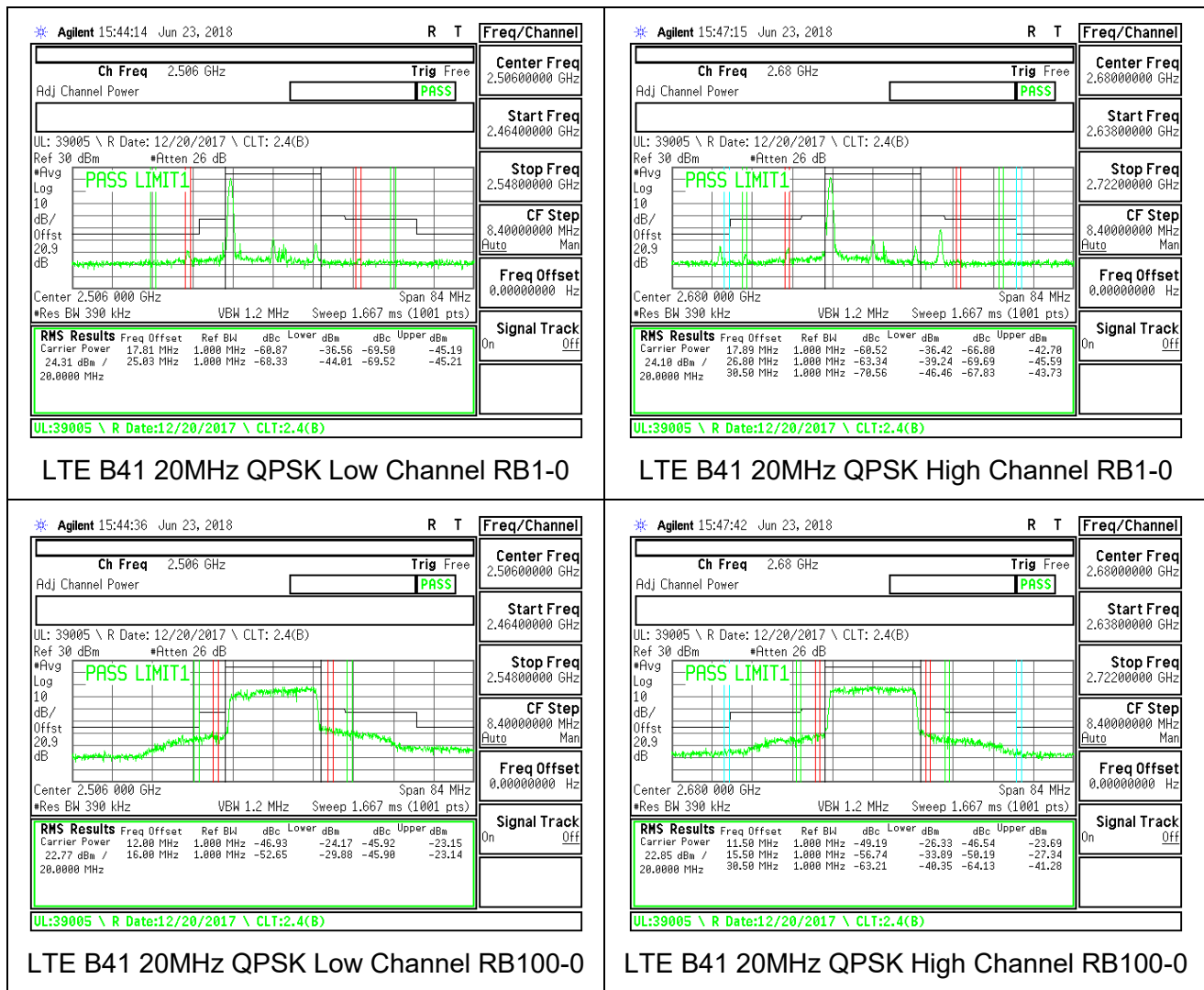


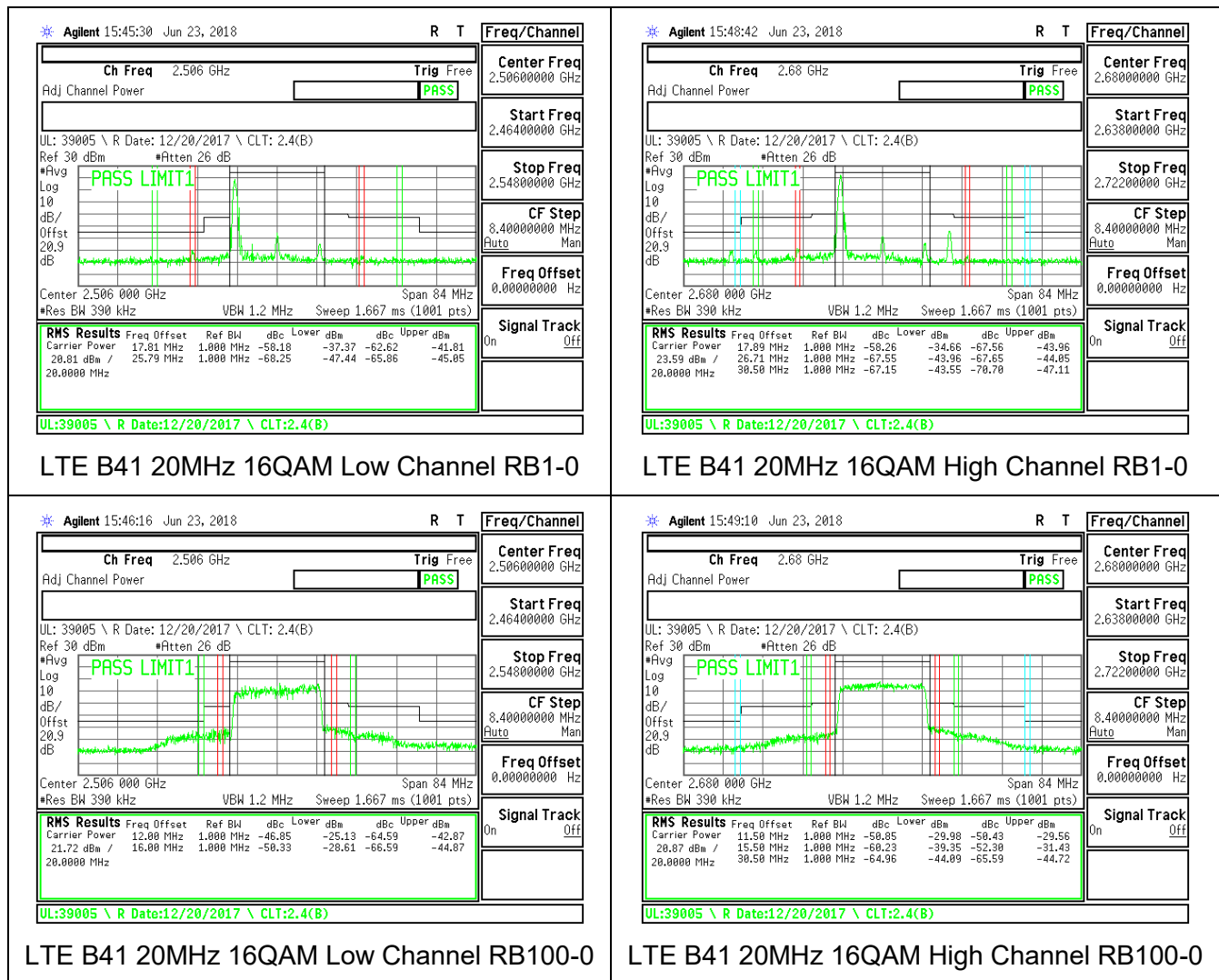




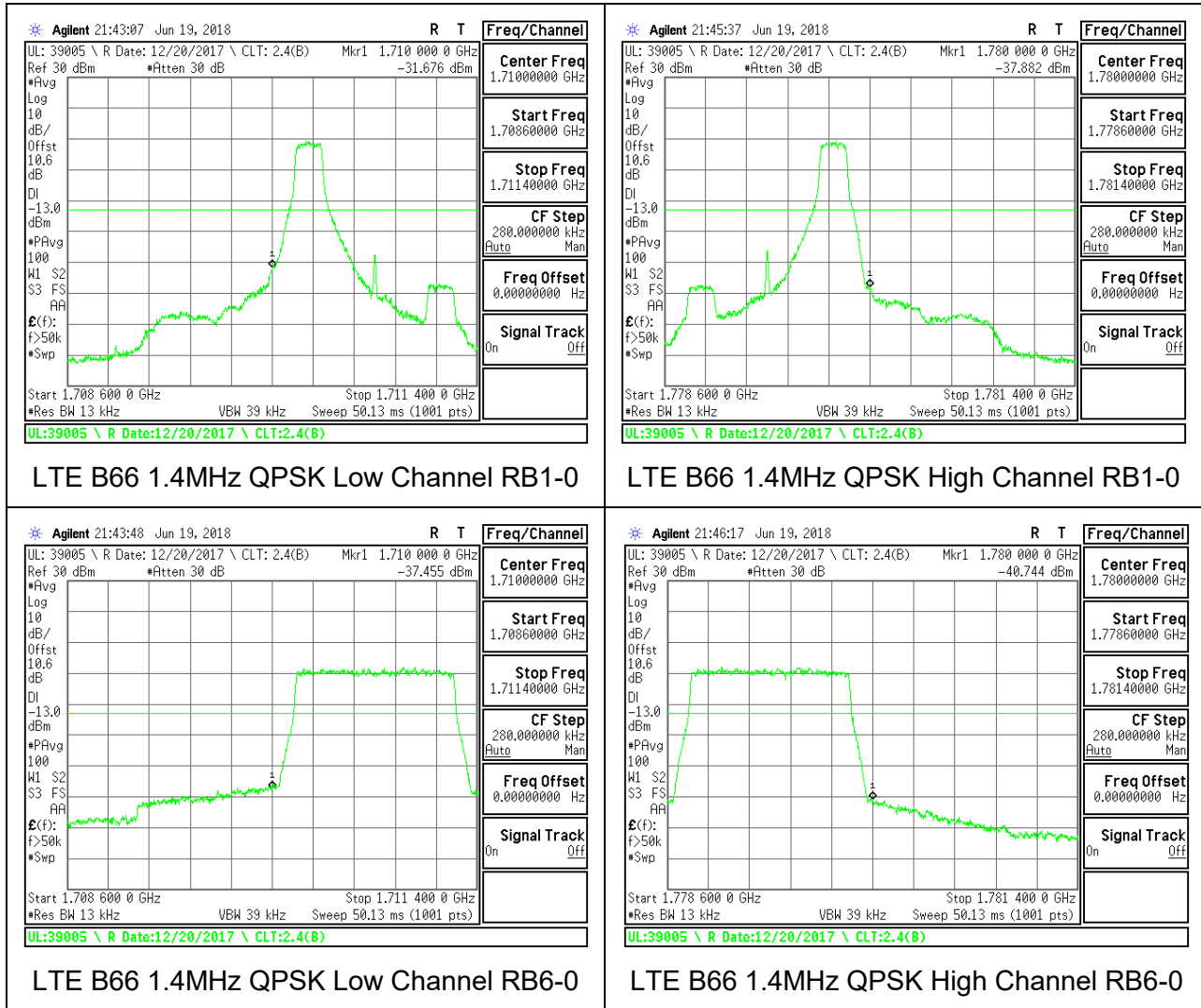


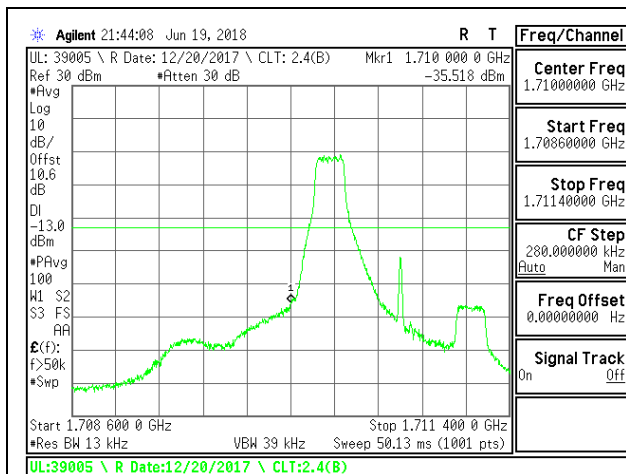




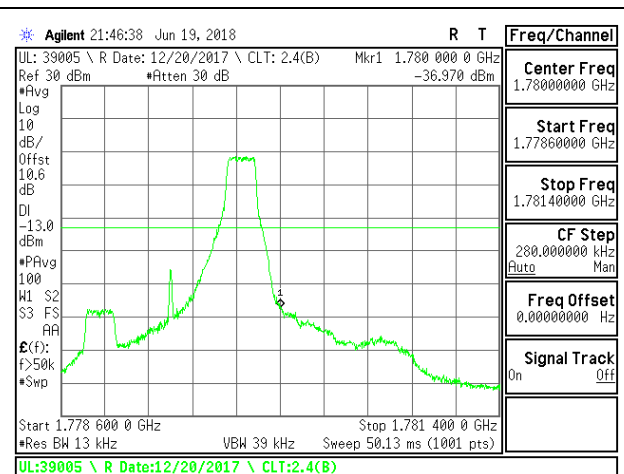


8.2.14. LTE BAND 66 BANDEDGE

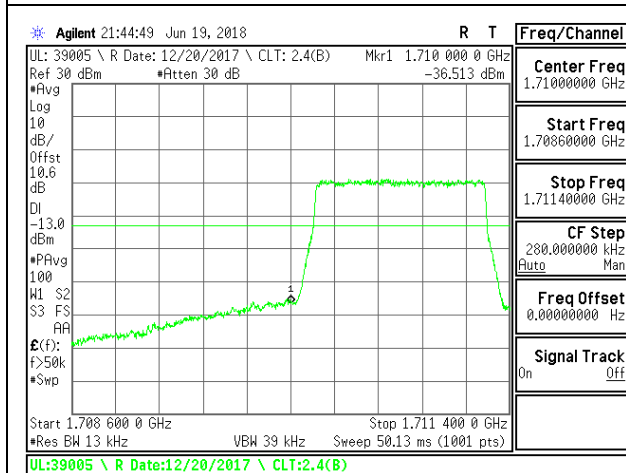




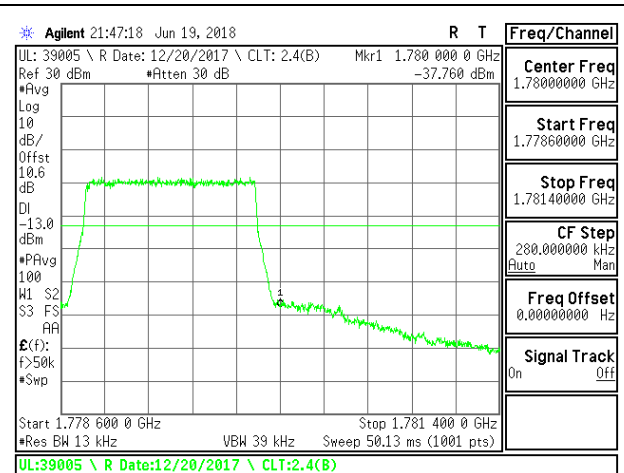
LTE B66 1.4MHz 16QAM Low Channel RB1-0



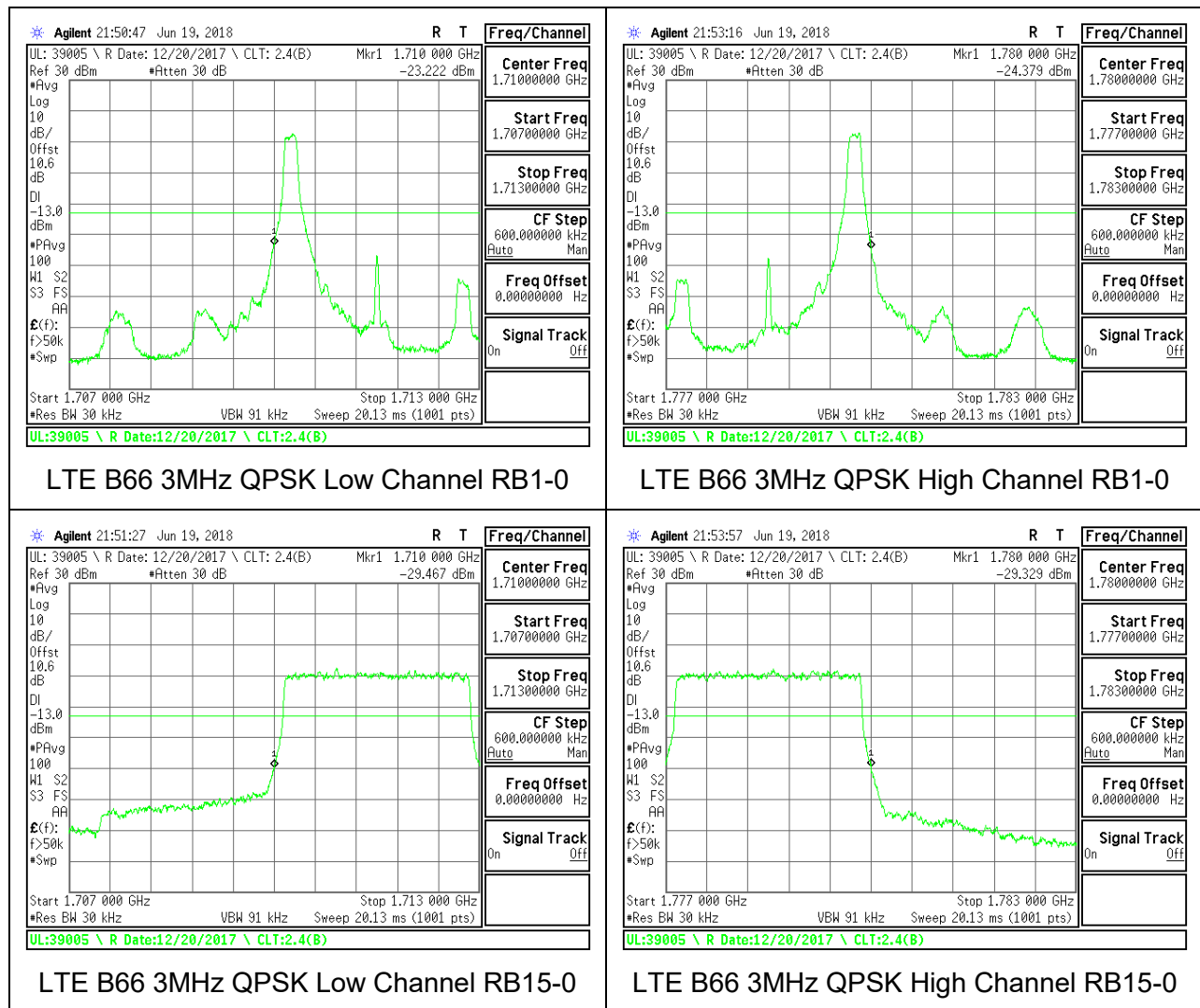
LTE B66 1.4MHz 16QAM High Channel RB1-0

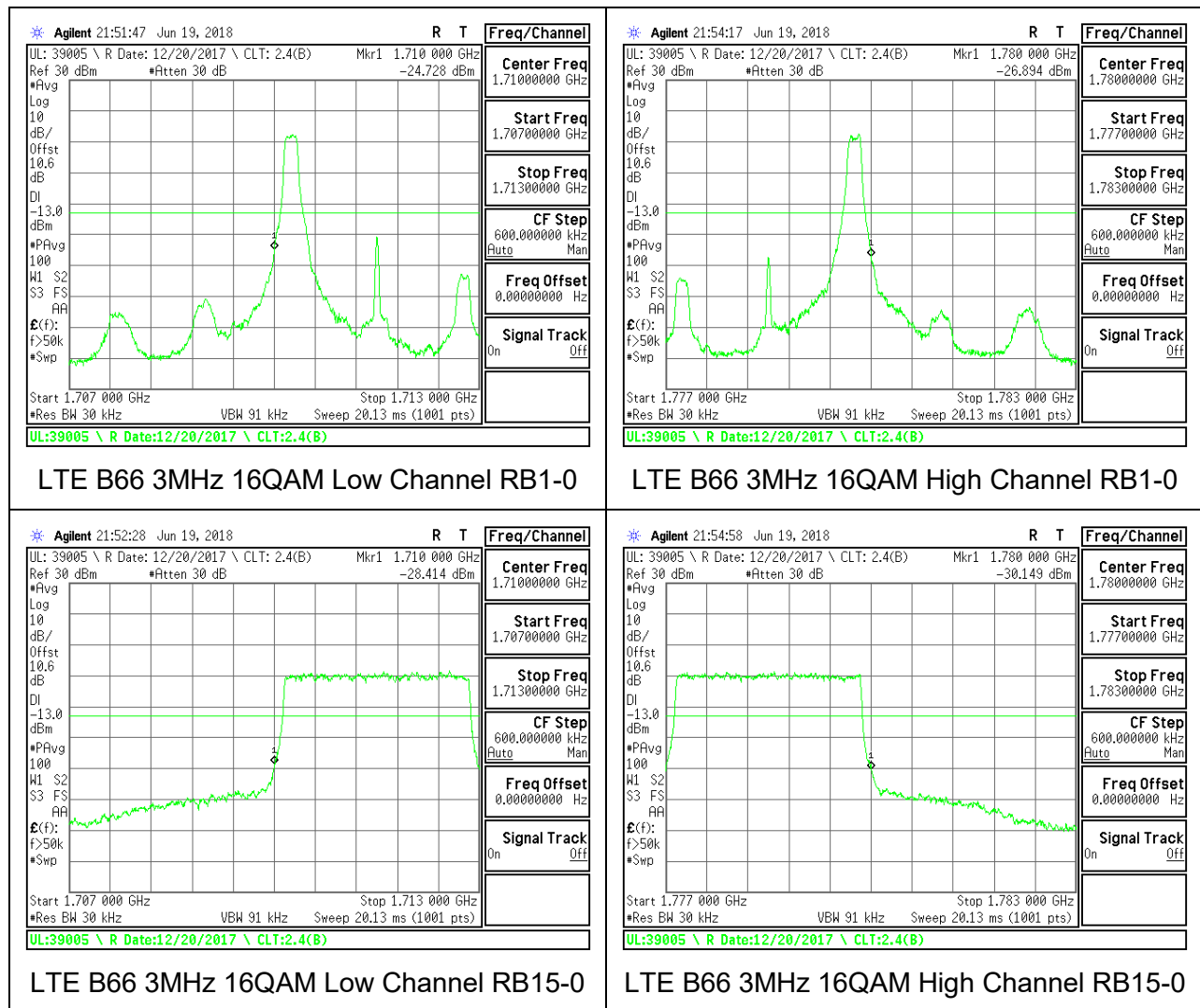


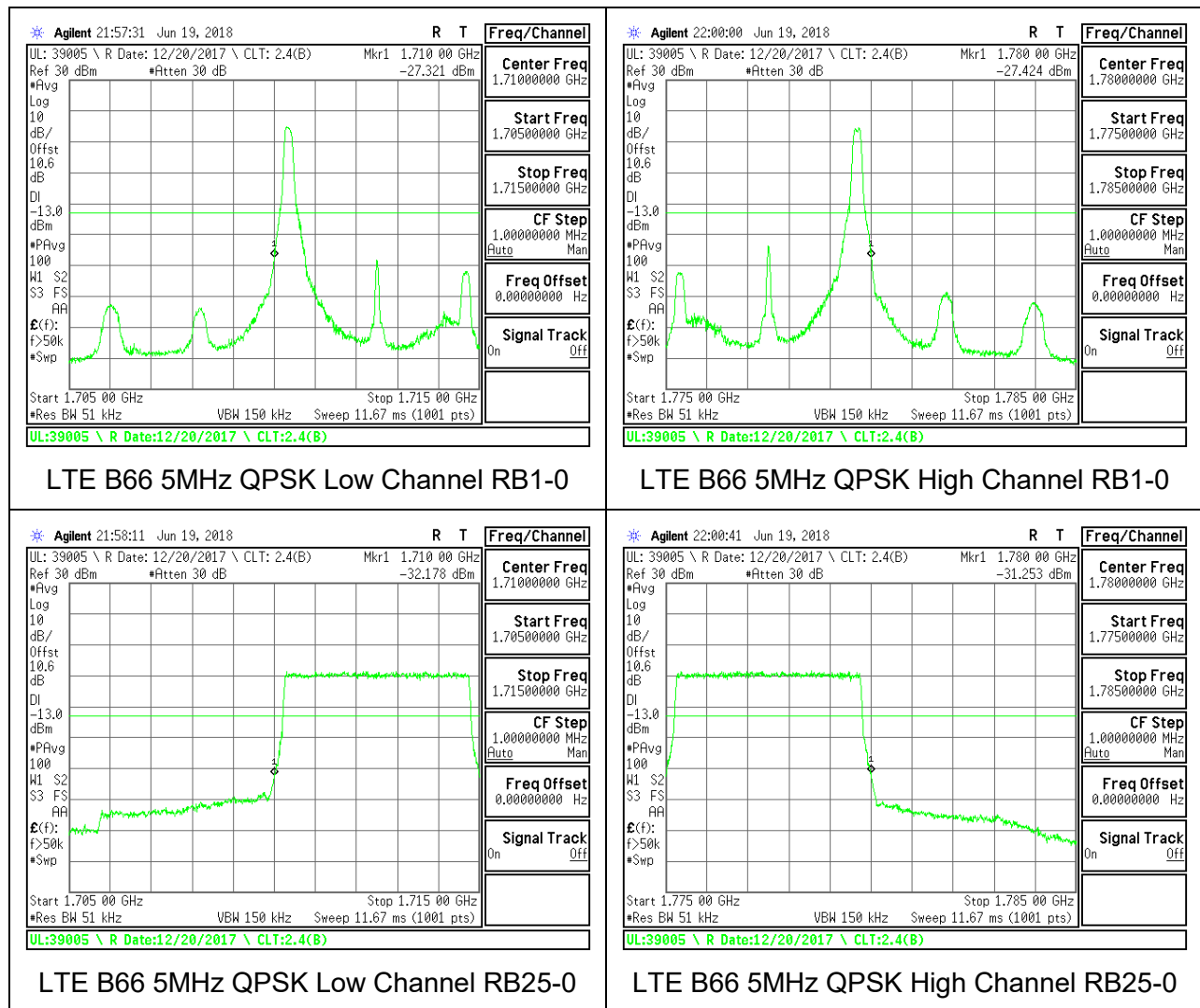
LTE B66 1.4MHz 16QAM Low Channel RB6-0

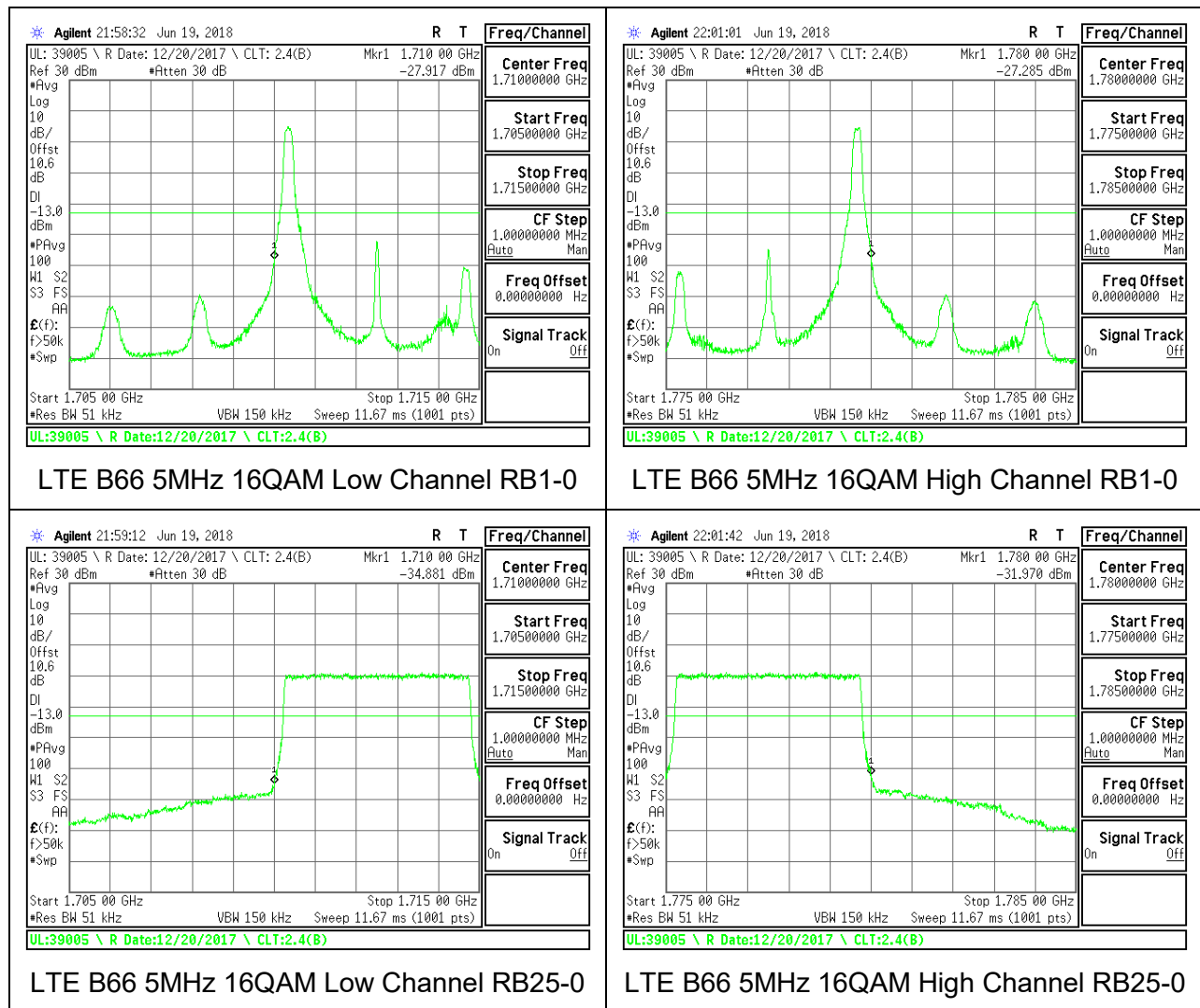


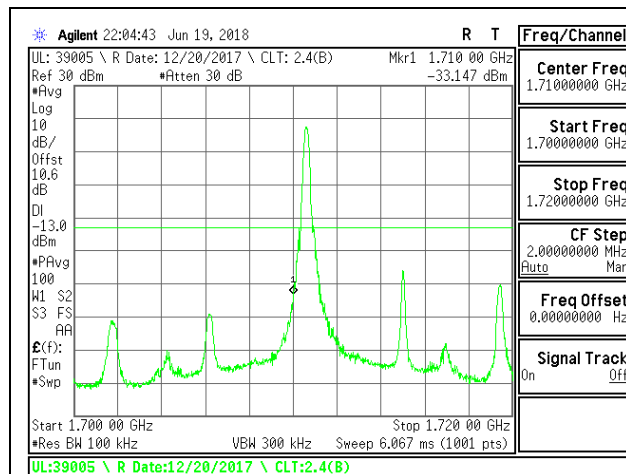
LTE B66 1.4MHz 16QAM High Channel RB6-0



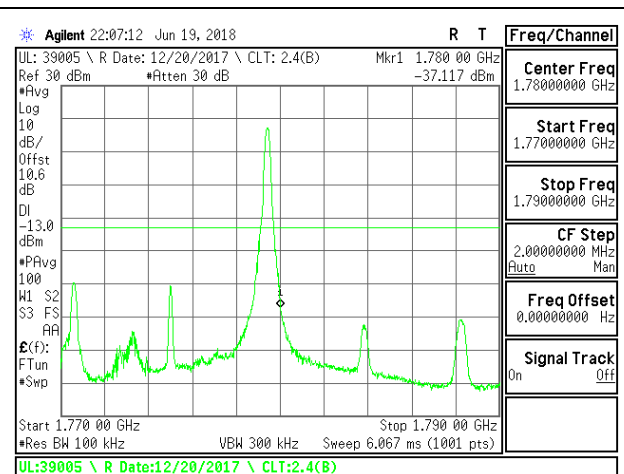




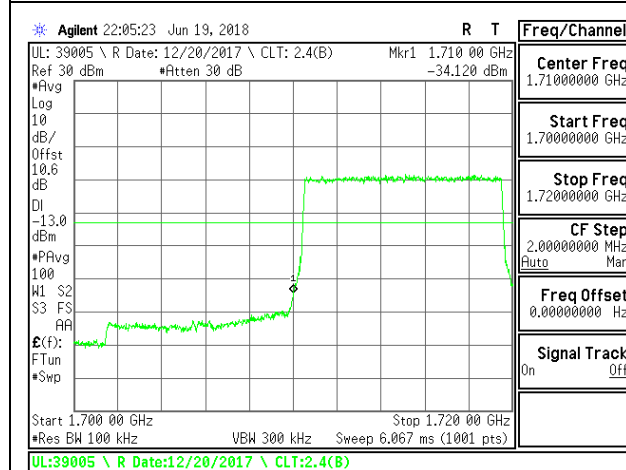




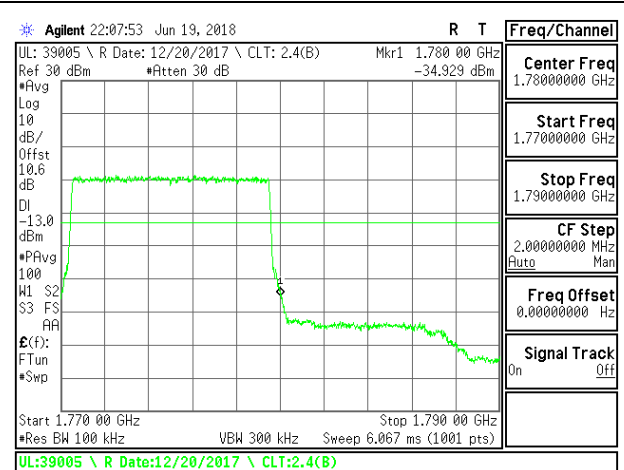
LTE B66 10MHz QPSK Low Channel RB1-0



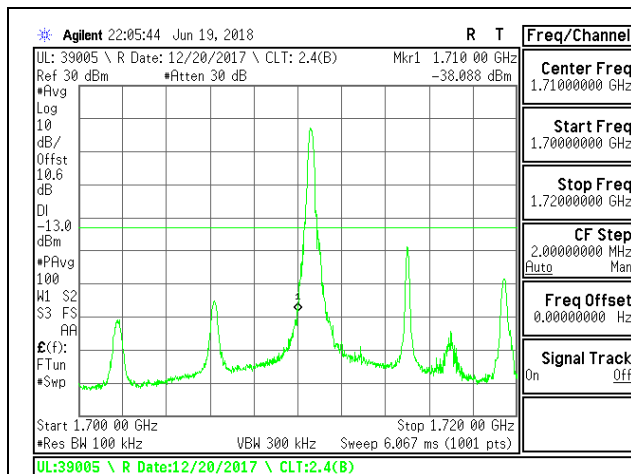
LTE B66 10MHz QPSK High Channel RB1-0



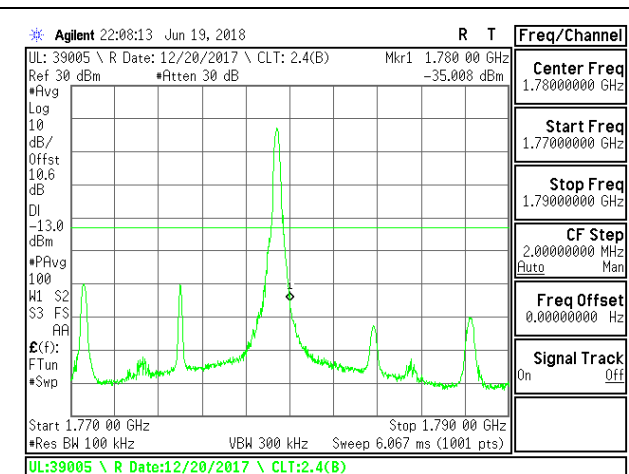
LTE B66 10MHz QPSK Low Channel RB50-0



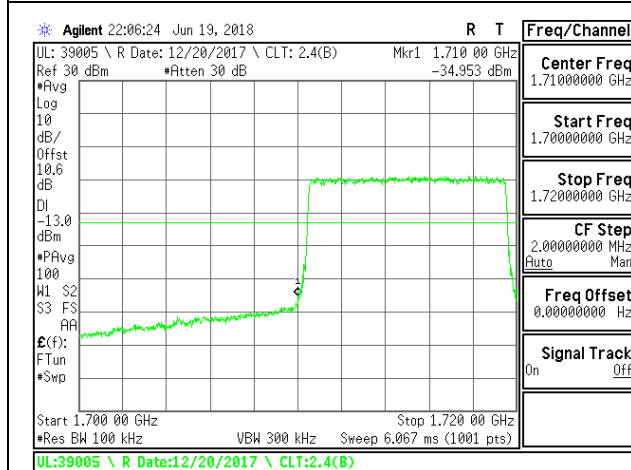
LTE B66 10MHz QPSK High Channel RB50-0



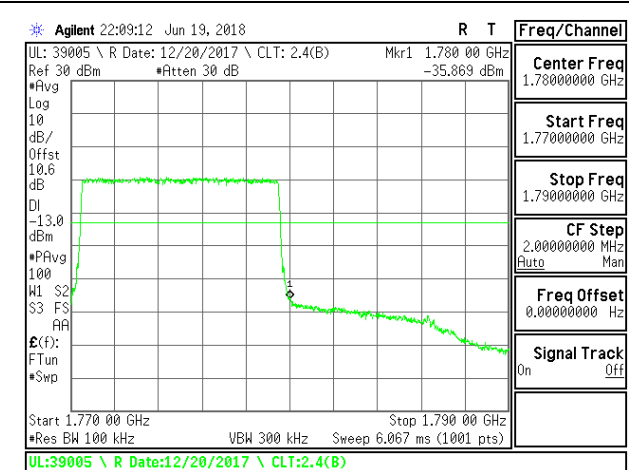
LTE B66 10MHz 16QAM Low Channel RB1-0



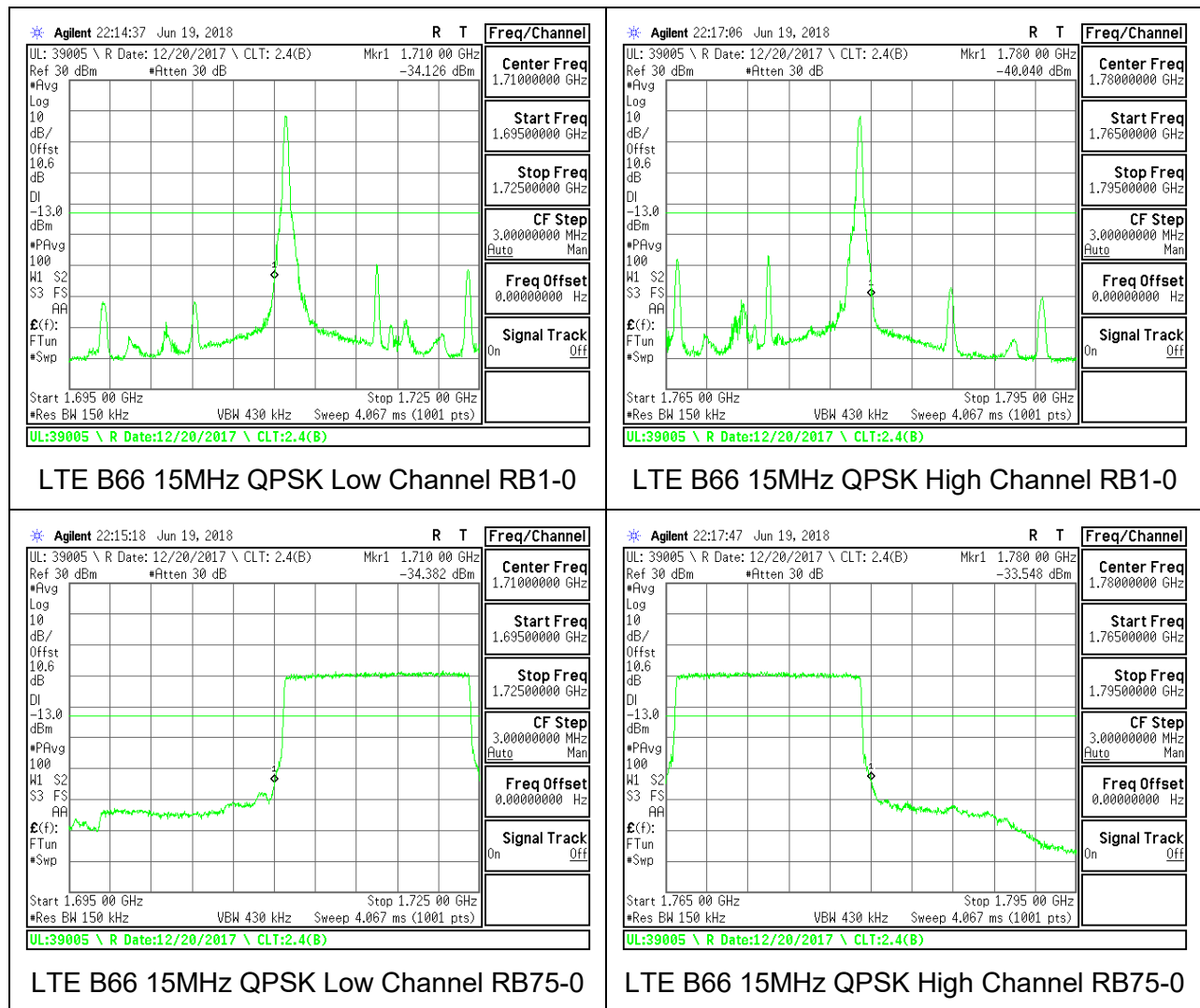
LTE B66 10MHz 16QAM High Channel RB1-0

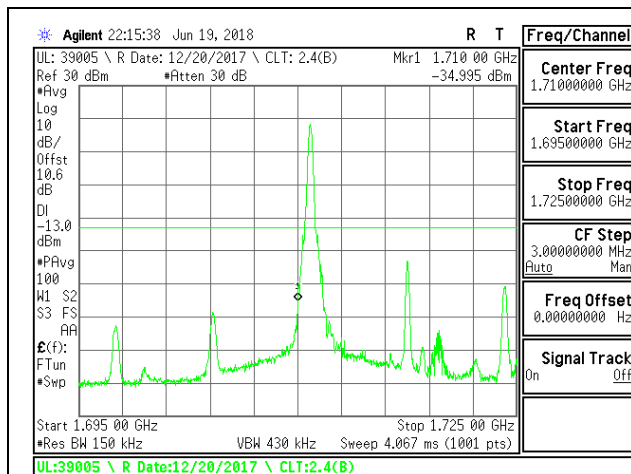


LTE B66 10MHz 16QAM Low Channel RB50-0

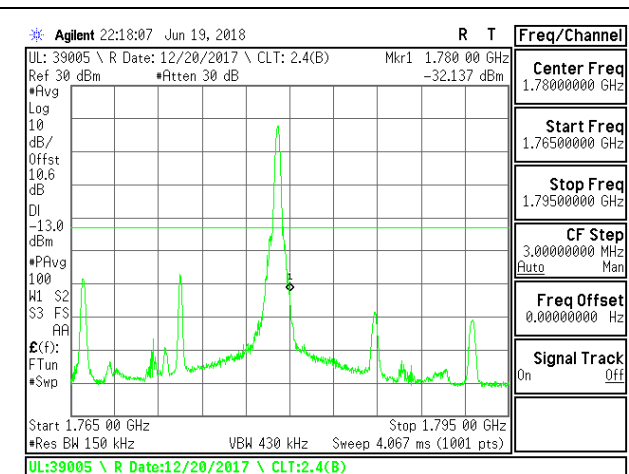


LTE B66 10MHz 16QAM High Channel RB50-0

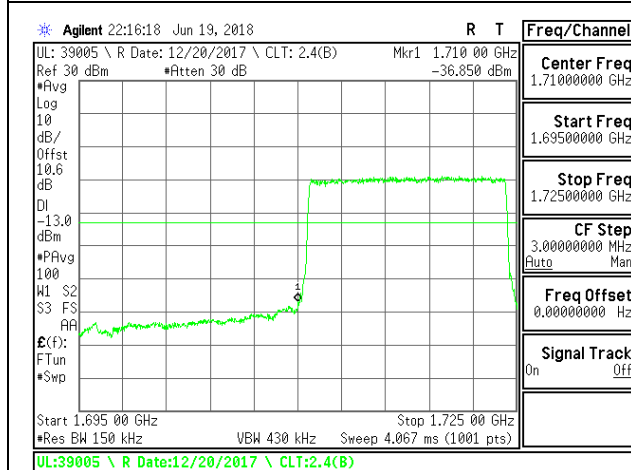




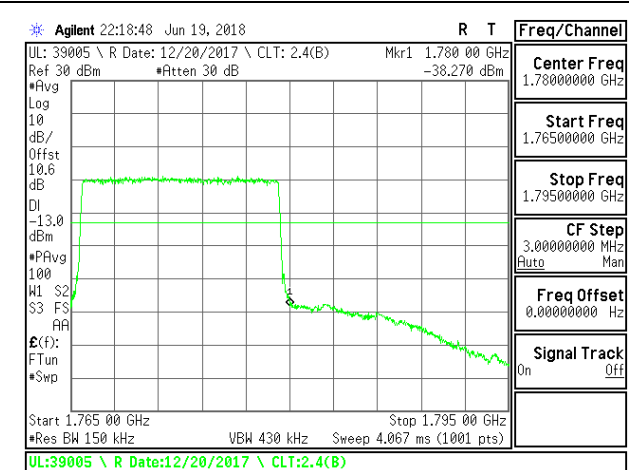
LTE B66 15MHz 16QAM Low Channel RB1-0



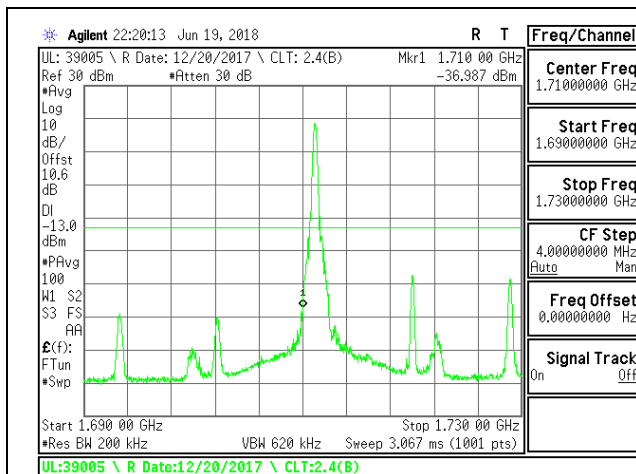
LTE B66 15MHz 16QAM High Channel RB1-0



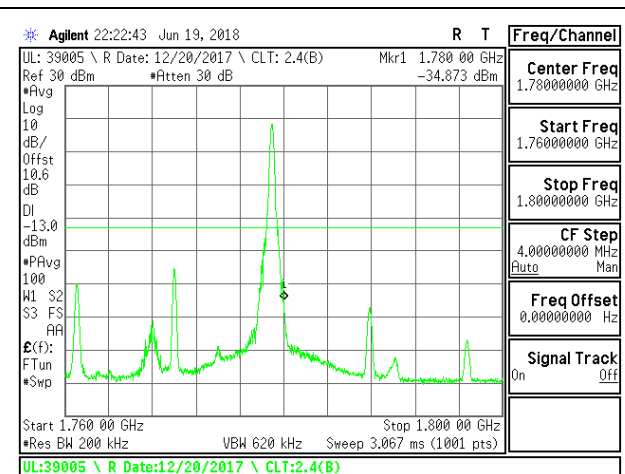
LTE B66 15MHz 16QAM Low Channel RB75-0



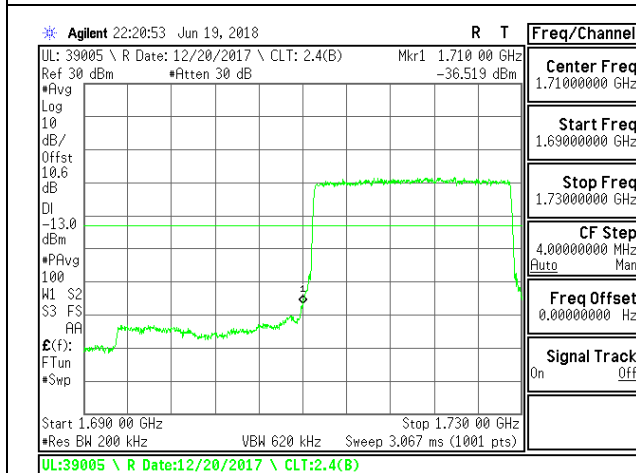
LTE B66 15MHz 16QAM High Channel RB75-0



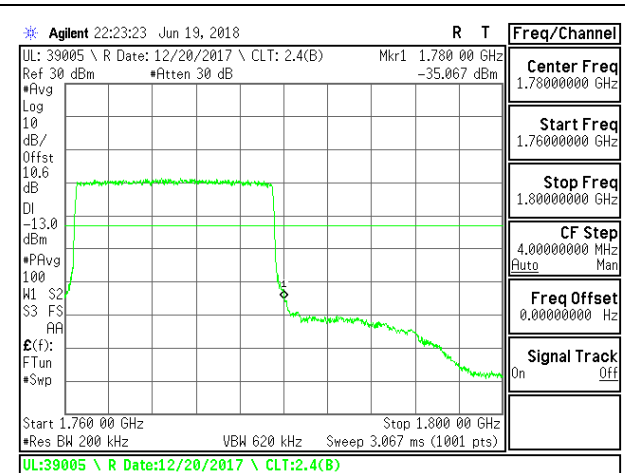
LTE B66 20MHz QPSK Low Channel RB1-0



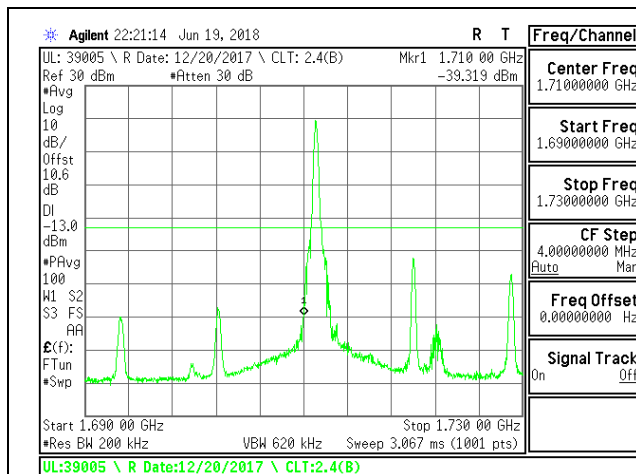
LTE B66 20MHz QPSK High Channel RB1-0



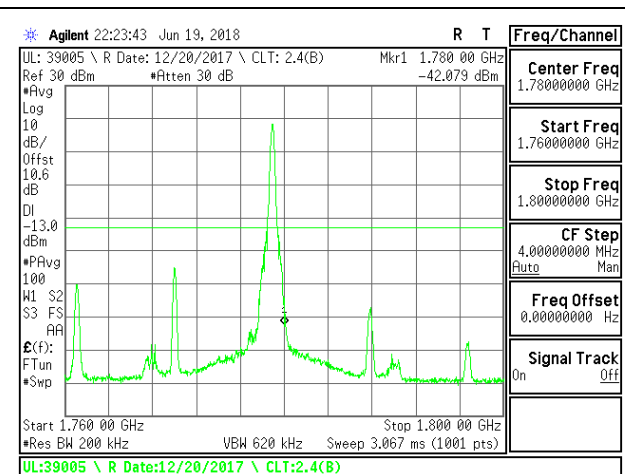
LTE B66 20MHz QPSK Low Channel RB100-0



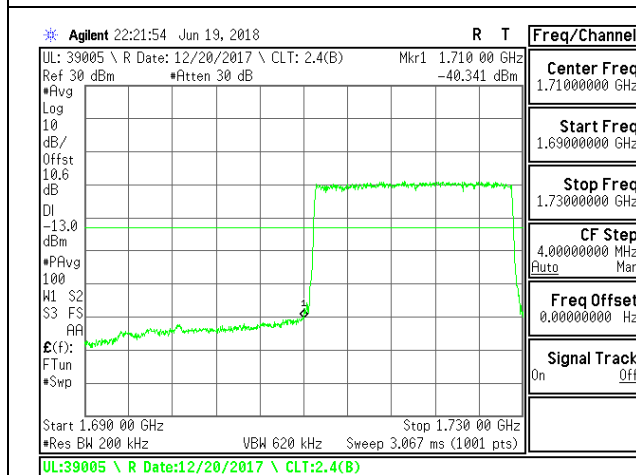
LTE B66 20MHz QPSK High Channel RB100-0



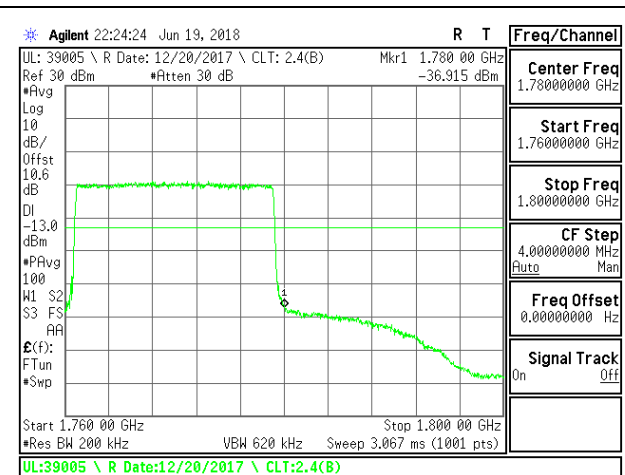
LTE B66 20MHz 16QAM Low Channel RB1-0



LTE B66 20MHz 16QAM High Channel RB1-0



LTE B66 20MHz 16QAM Low Channel RB100-0



LTE B66 20MHz 16QAM High Channel RB100-0

8.3. OUT OF BAND EMISSIONS

RULE PART(S)

FCC: §2.1051, §22.901, §22.917, §24.238, §27.53, §90.691

LIMITS

FCC: §22.917, §24.238, §27.53 (c), (g), (h), §90.691

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

FCC: §27.53 (m) (Band 7, 41)

The minimum permissible attenuation level of any spurious emissions is $55 + 10 \log (P)$ dB where transmitting power (P) in Watts.

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, -25dBm and -40dBm according to the band Limit
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz. (NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

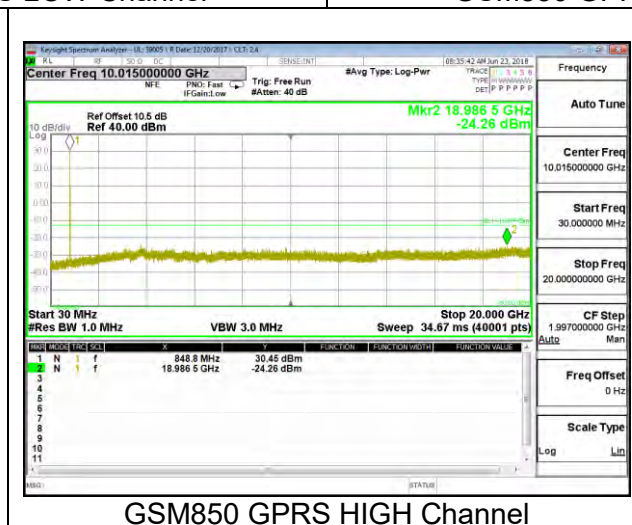
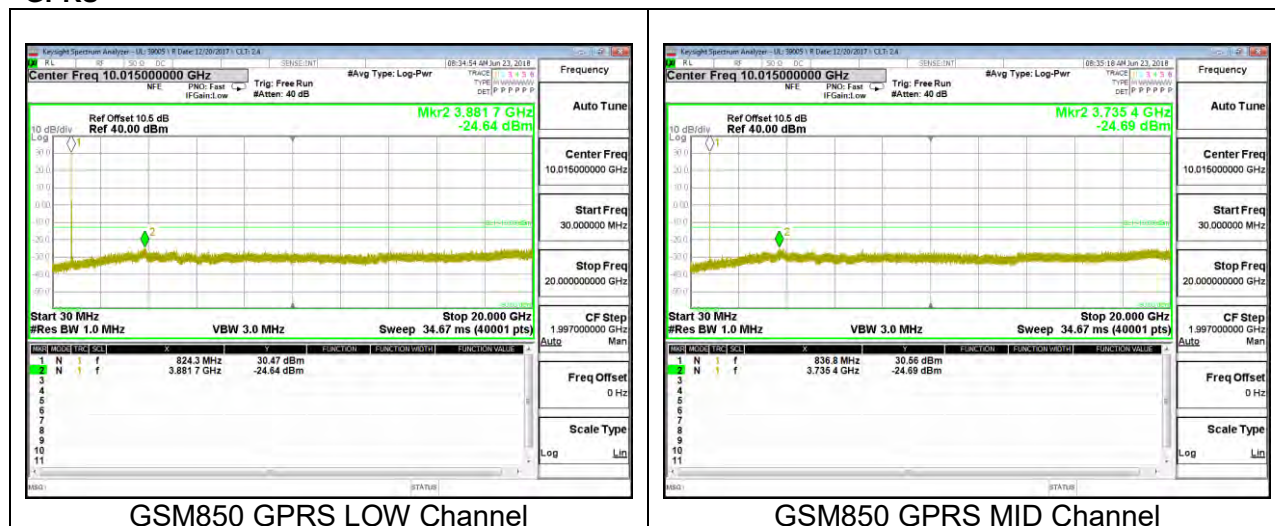
MODES TESTED

- GSM 850
- GSM 1900
- WCDM Band 2
- WCDM Band 4
- WCDM Band 5
- LTE Band 2
- LTE Band 5
- LTE Band 7
- LTE Band 12
- LTE Band 13
- LTE Band 26
- LTE Band 41
- LTE Band 66

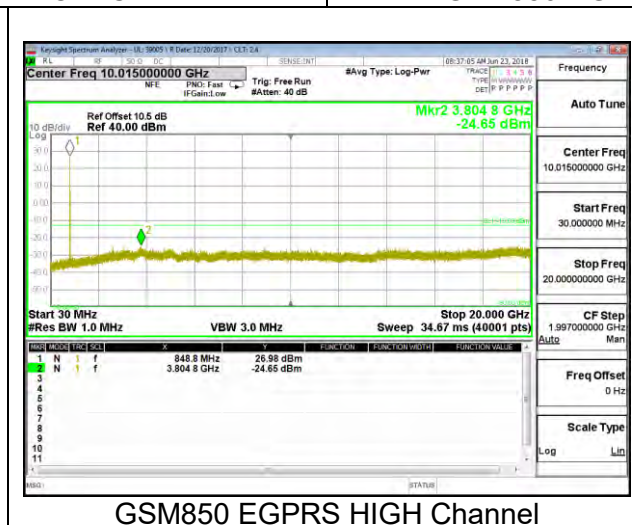
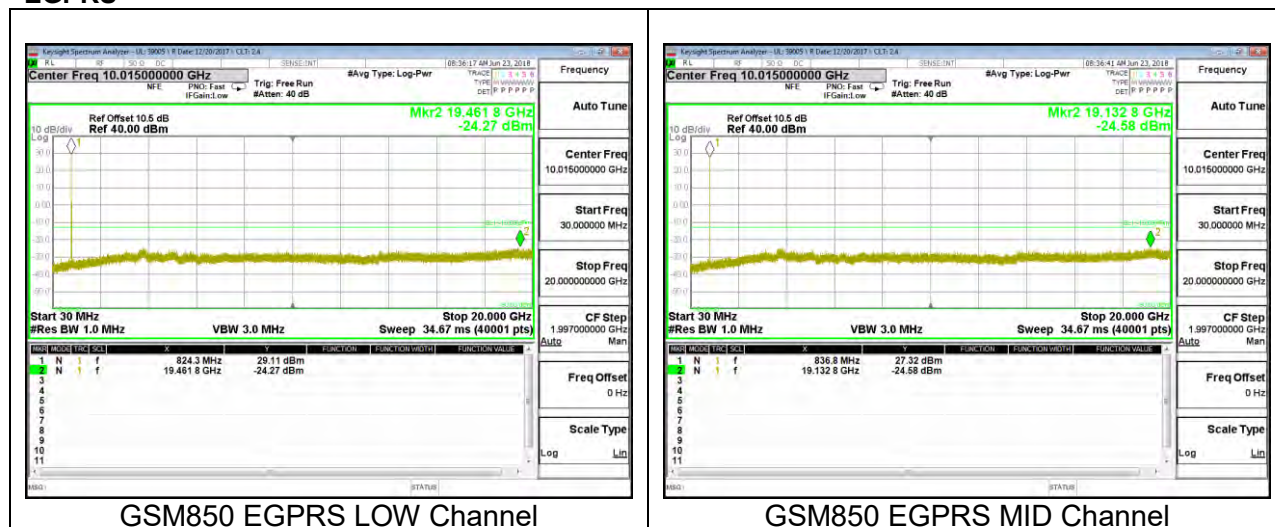
RESULTS

8.3.1. GSM850

GPRS

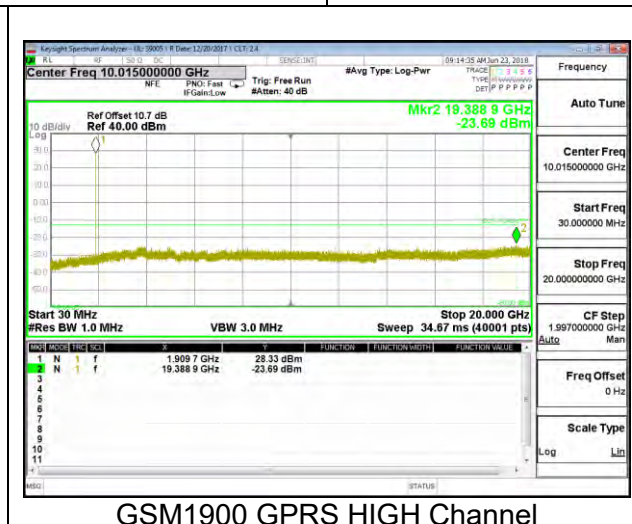
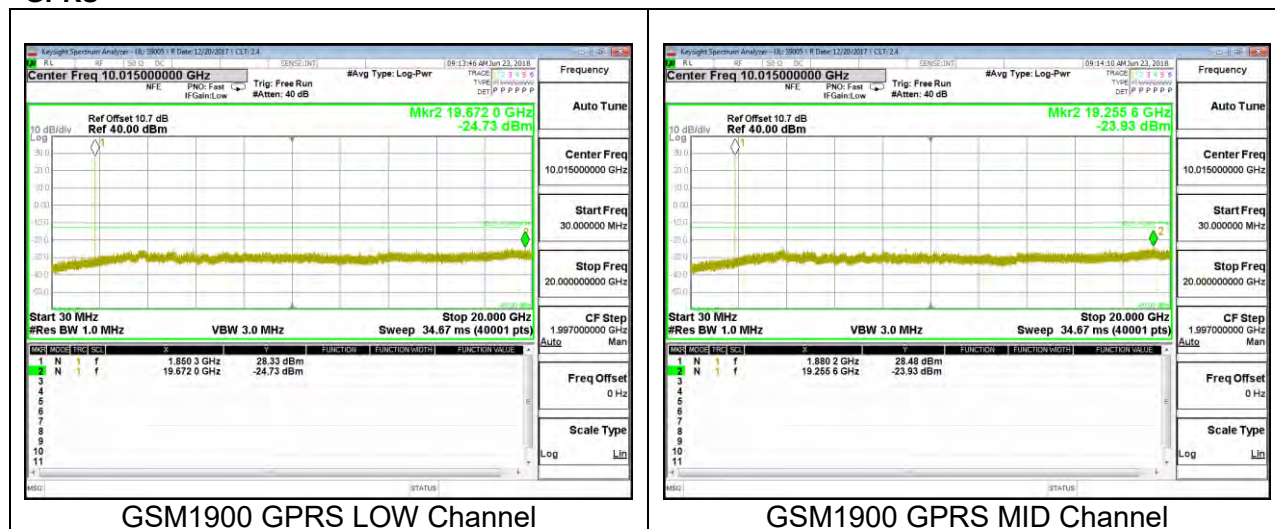


EGPRS

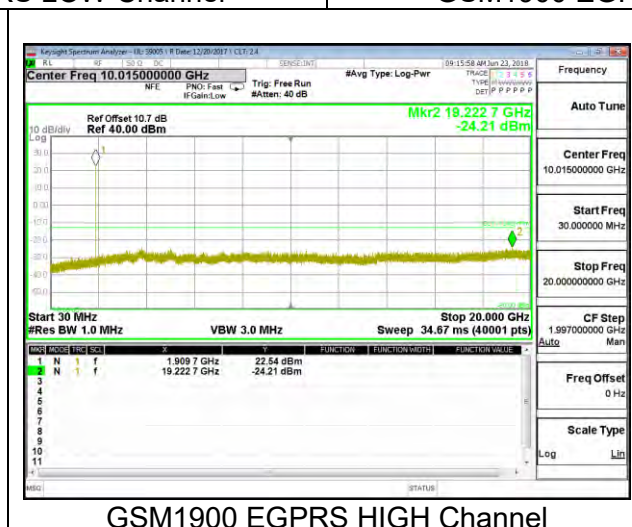
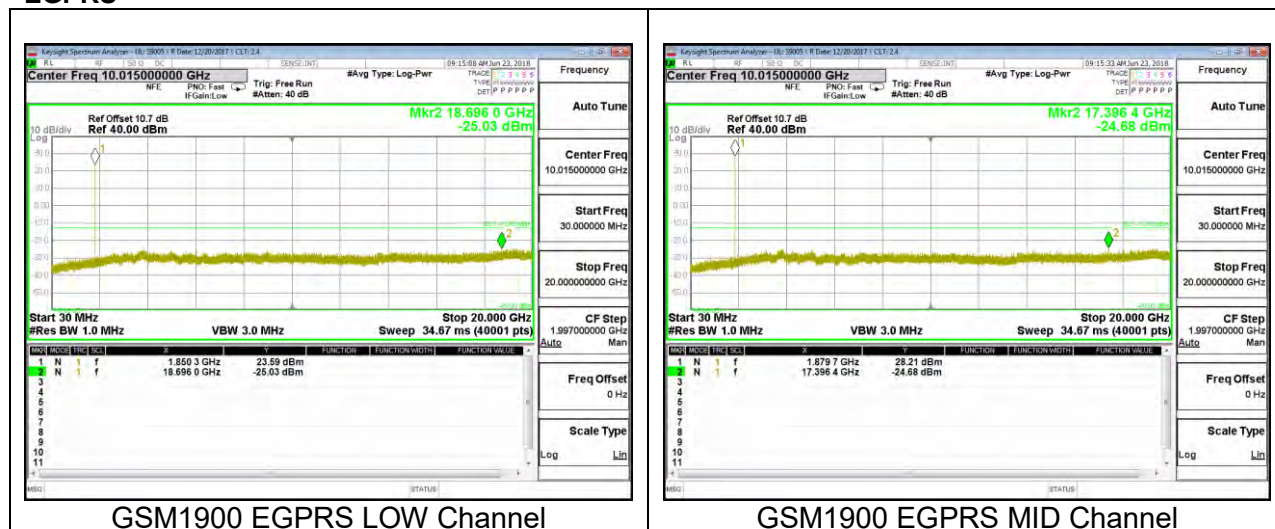


8.3.2. GSM1900

GPRS

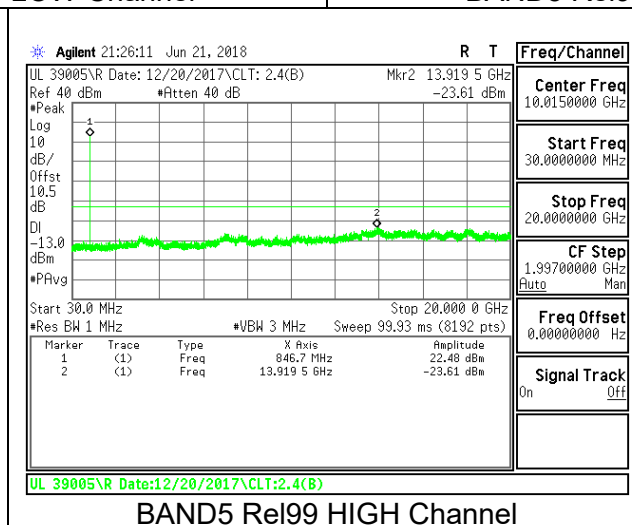
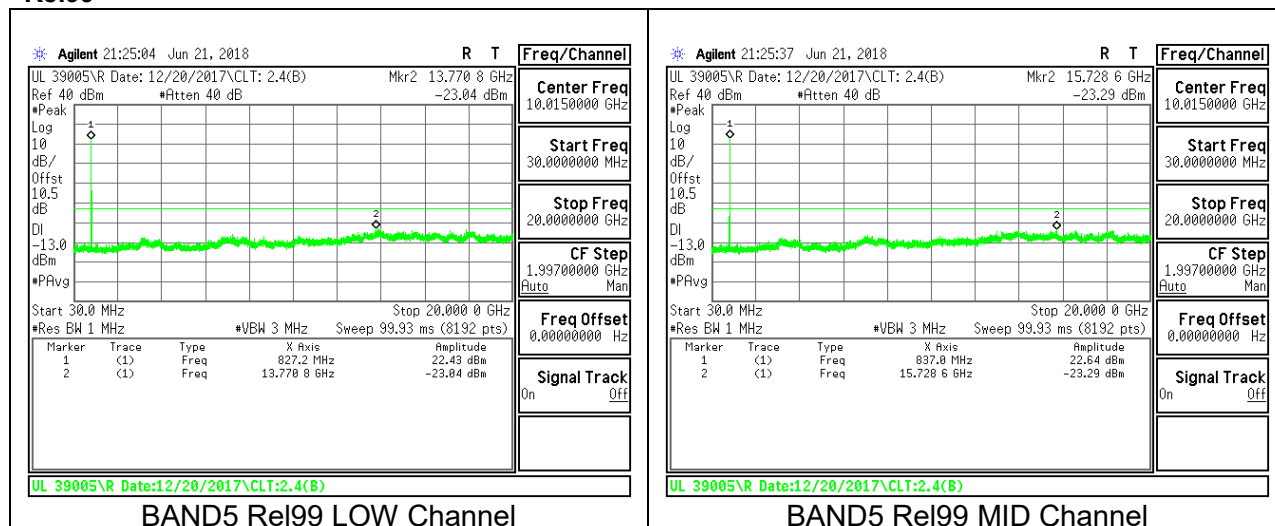


EGPRS

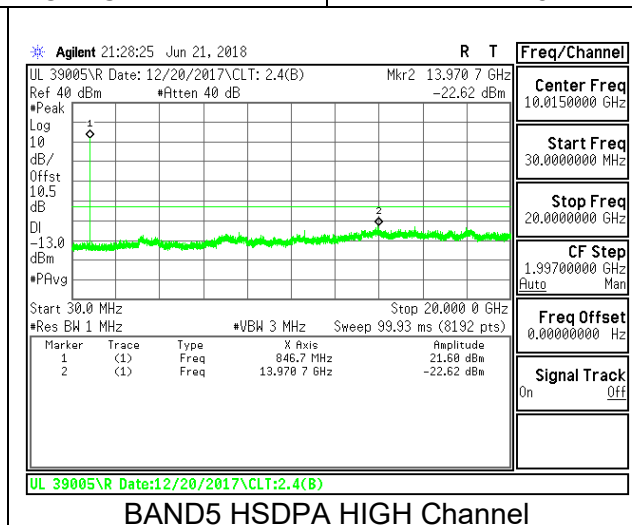
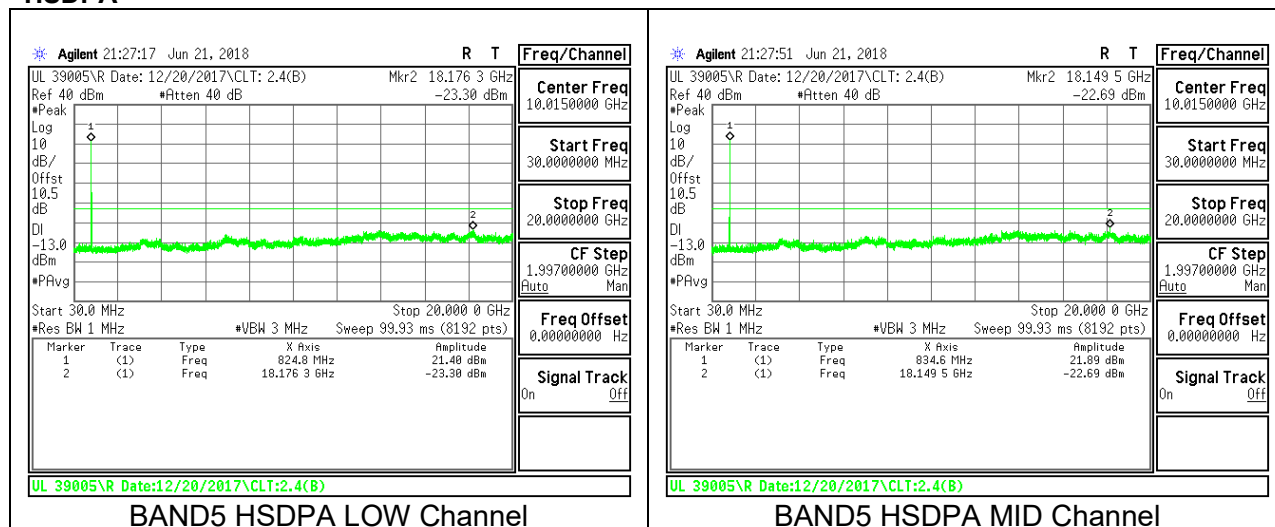


8.3.3. WCDMA BAND5

Rel99

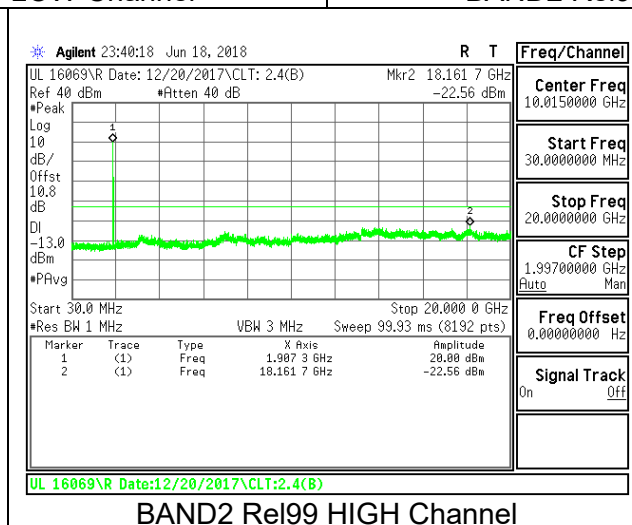
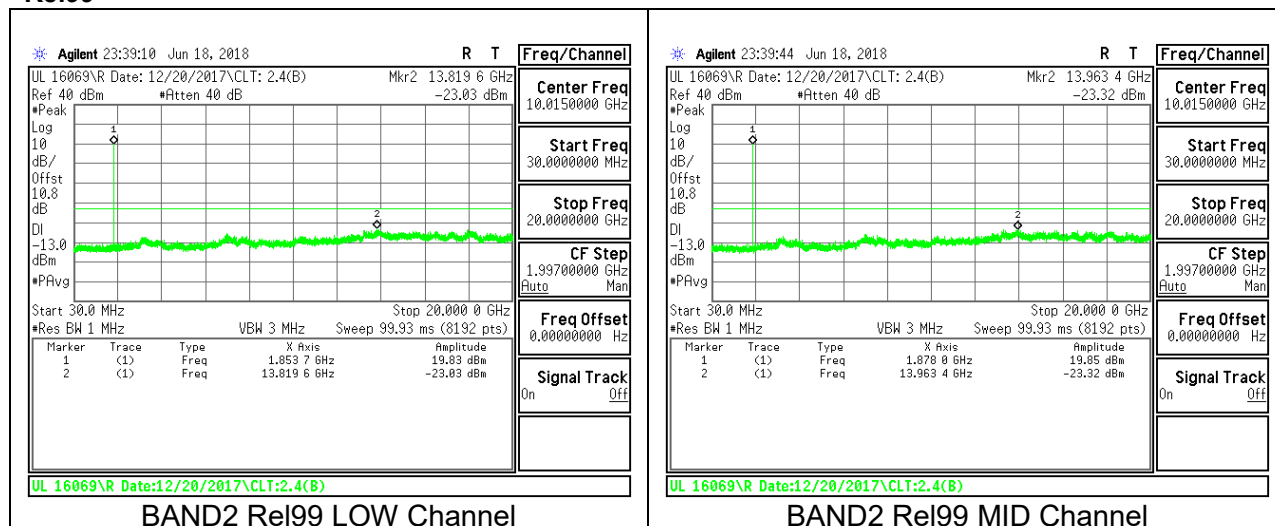


HSDPA

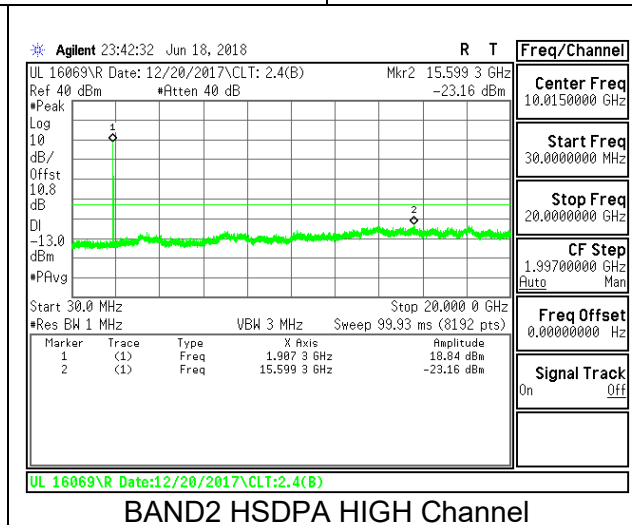
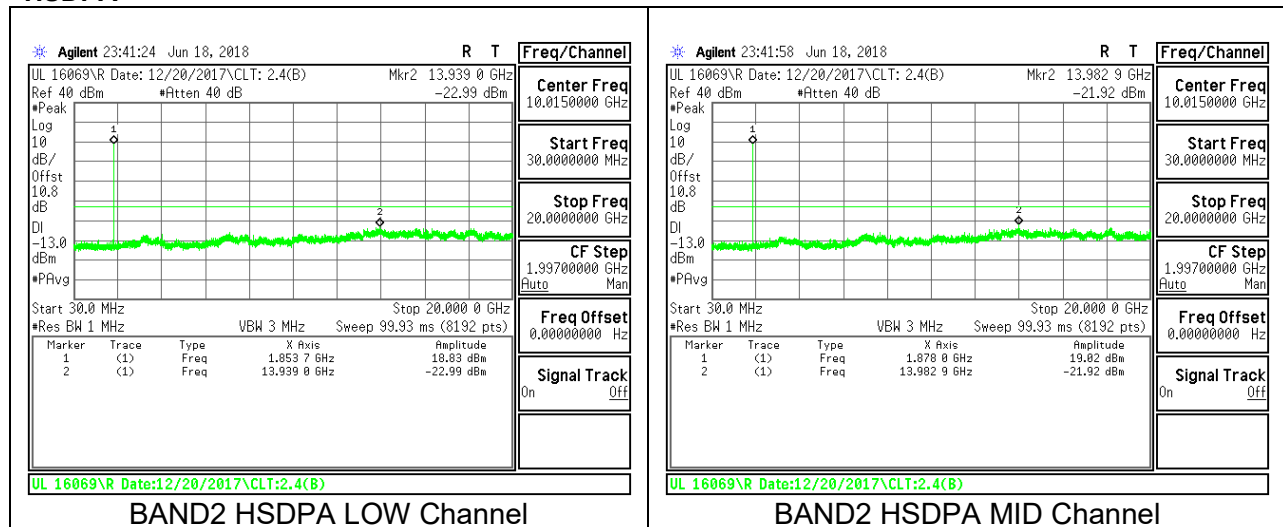


8.3.4. WCDMA BAND2

Rel99

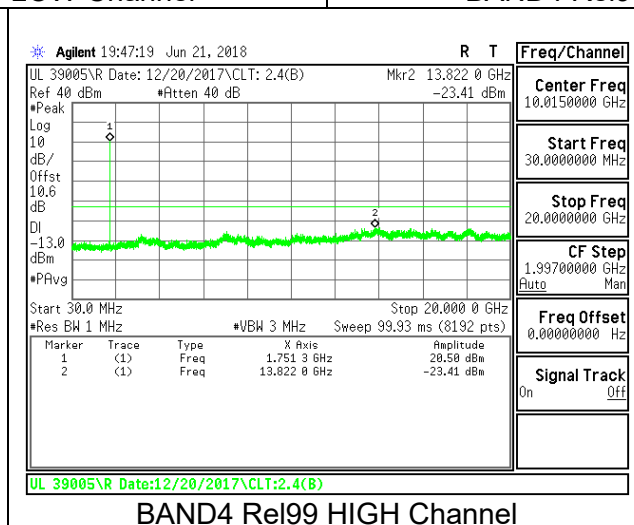
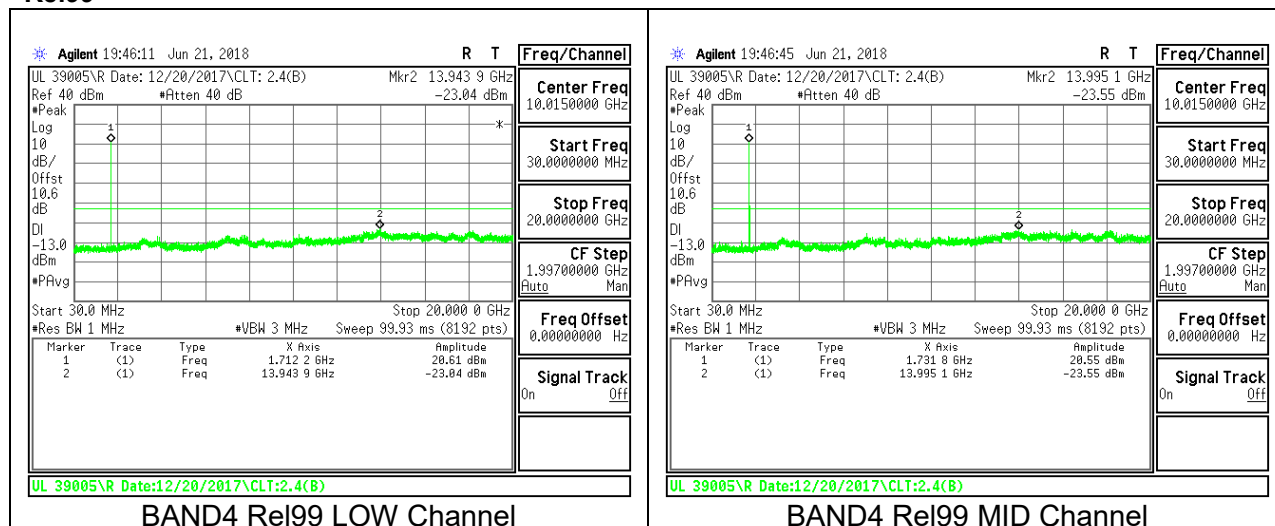


HSDPA

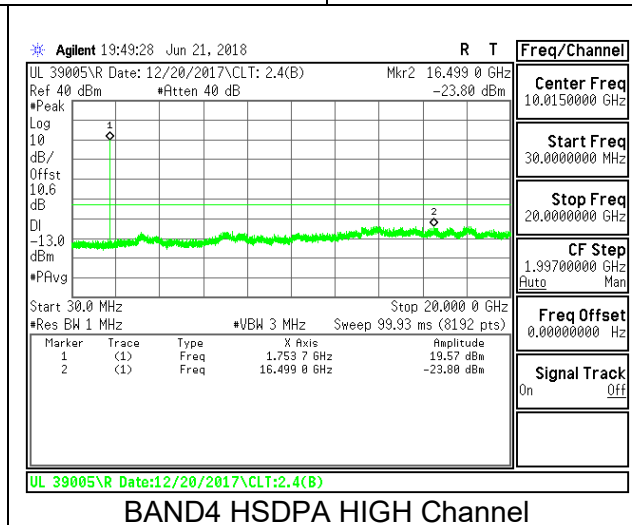
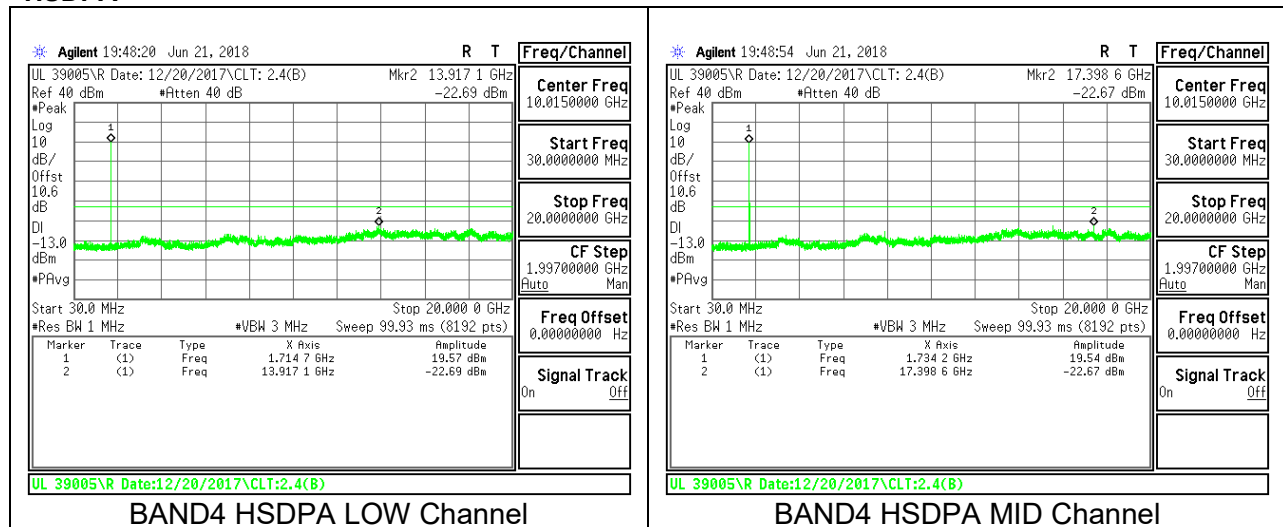


8.3.5. WCDMA BAND4

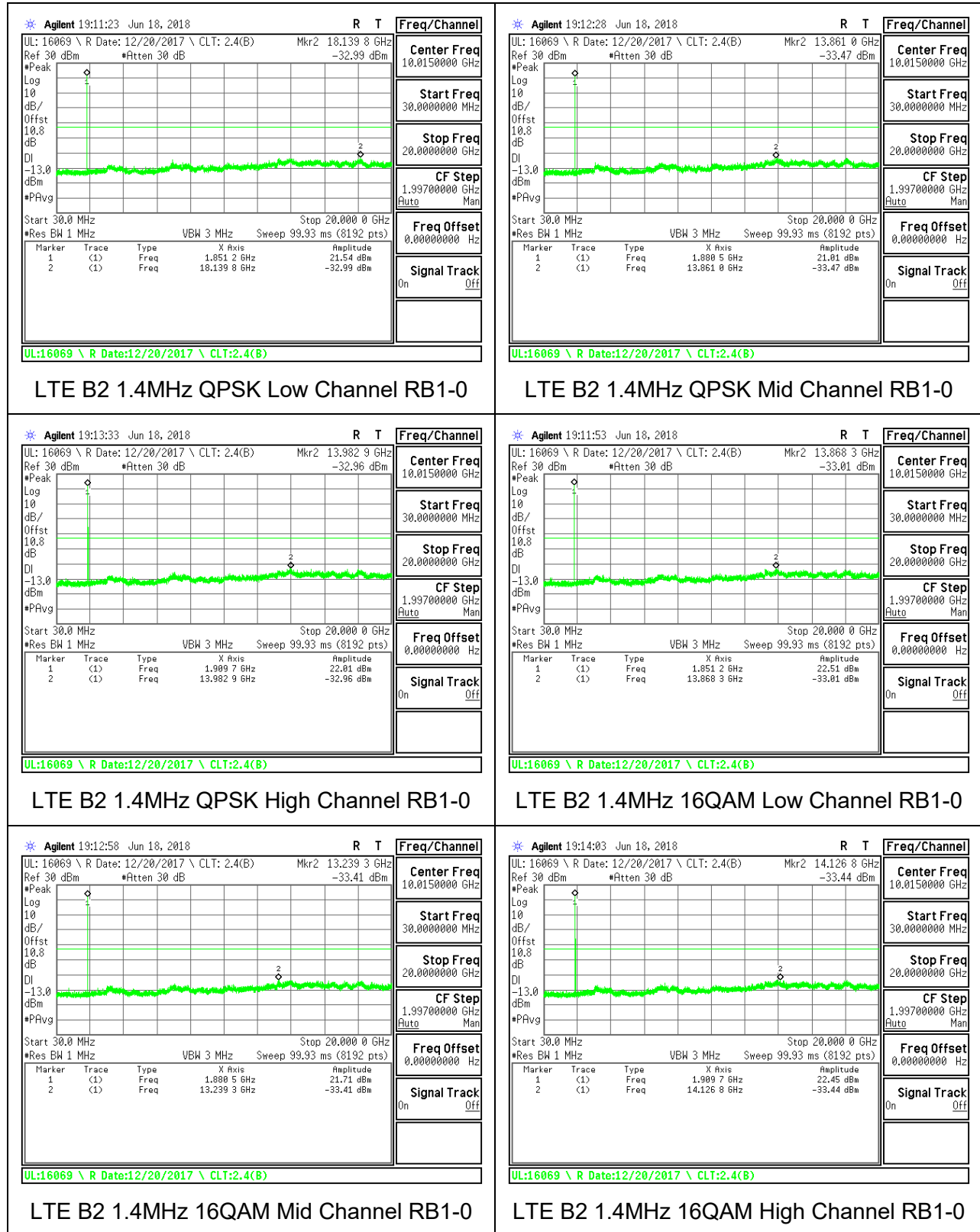
Rel99

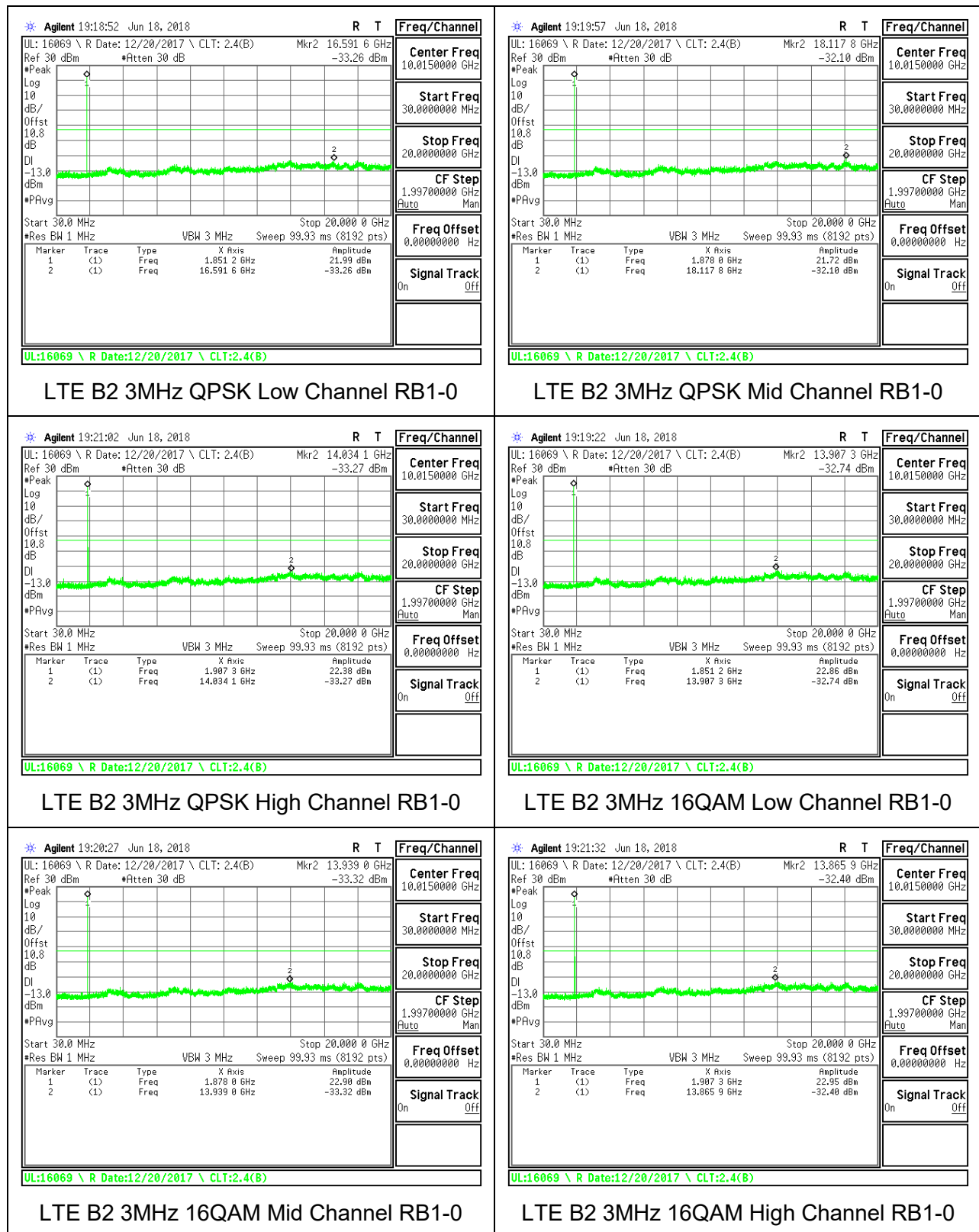


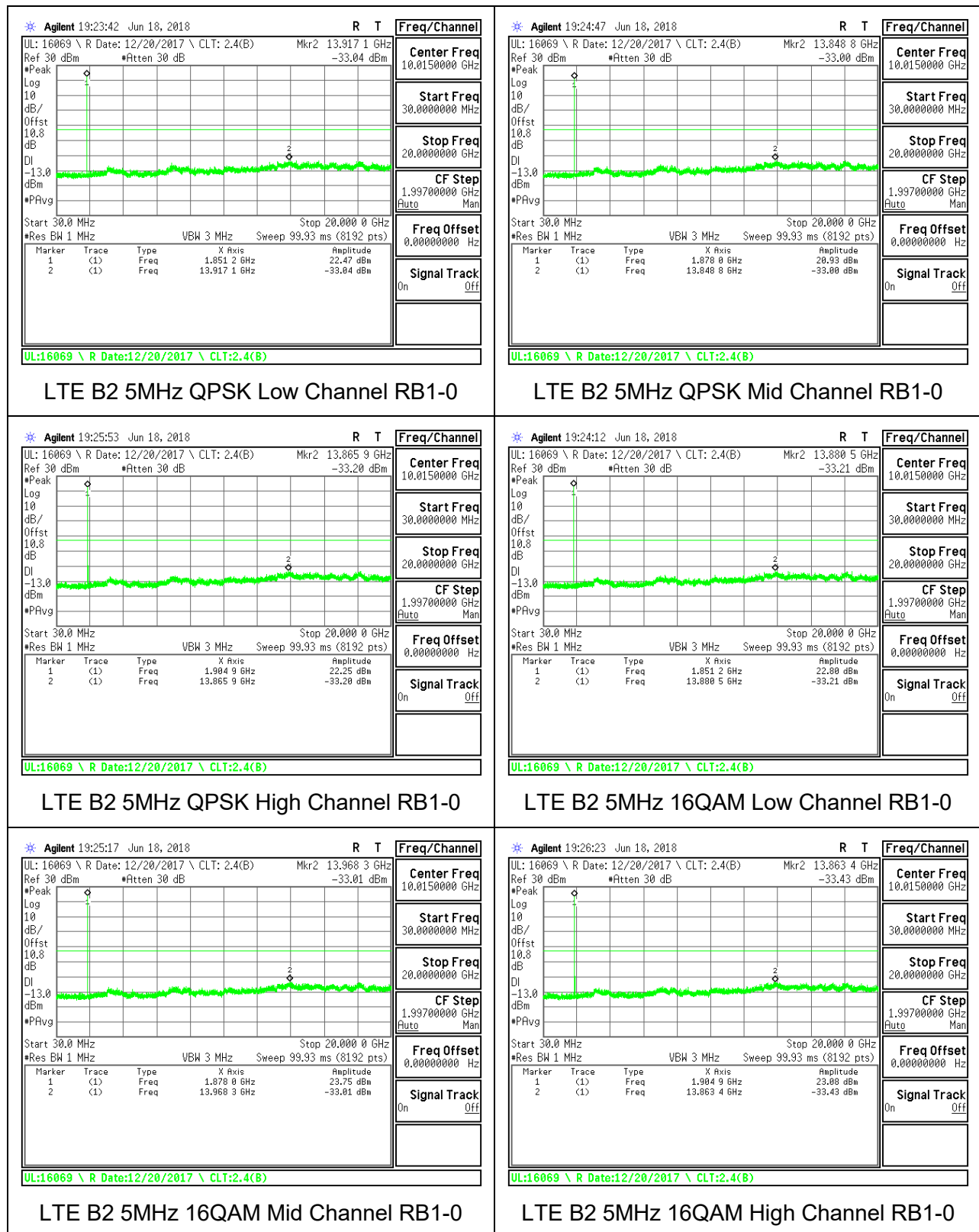
HSDPA

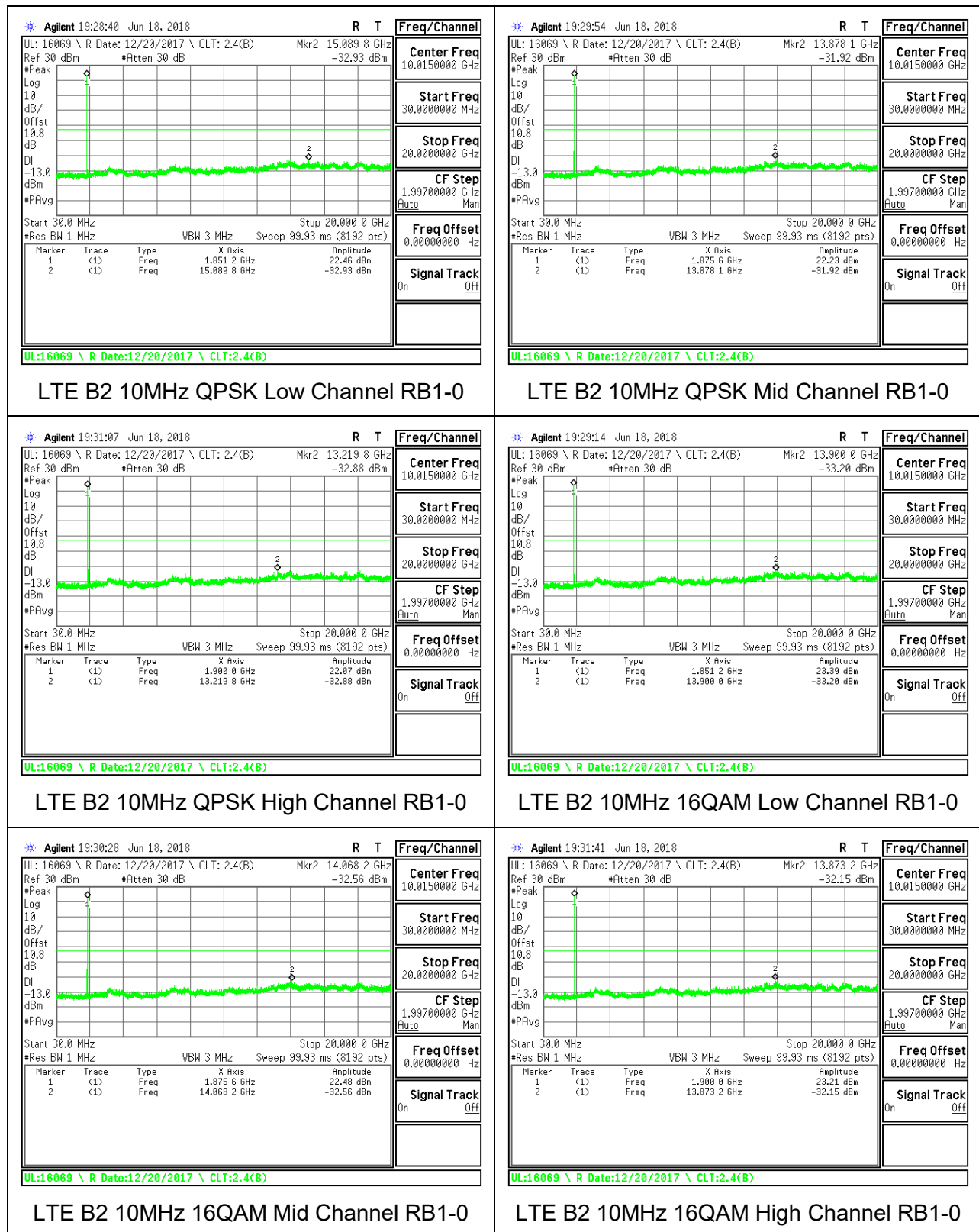


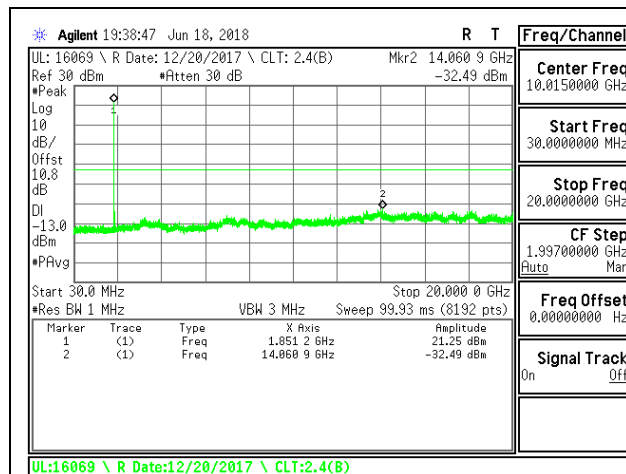
8.3.6. LTE BAND 2



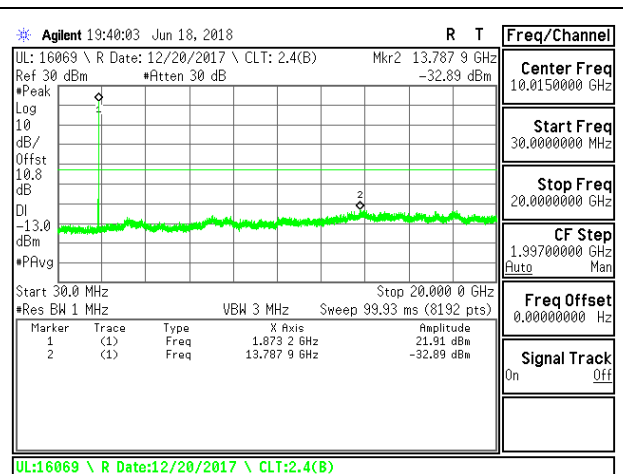




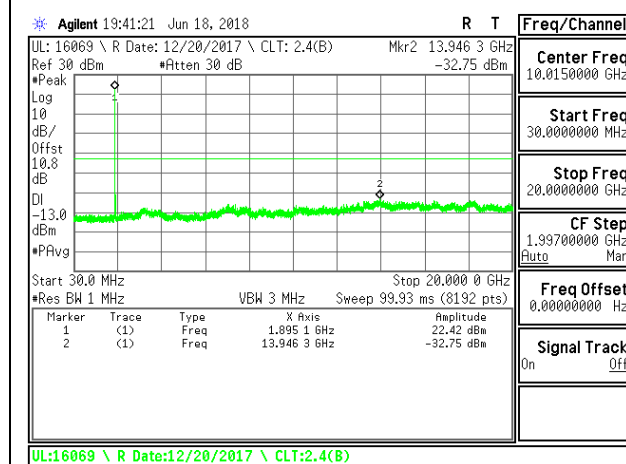




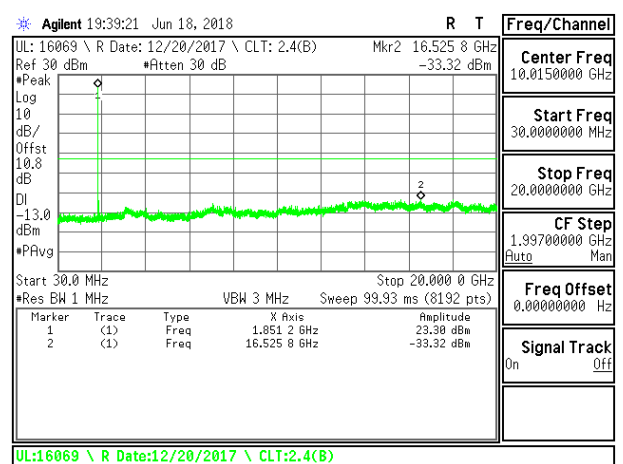
LTE B2 15MHz QPSK Low Channel RB1-0



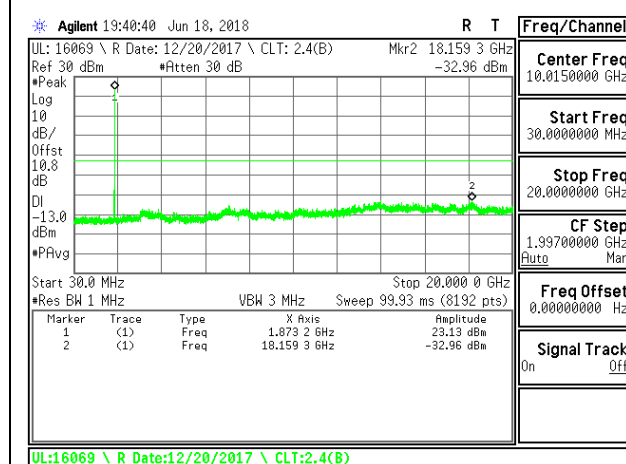
LTE B2 15MHz QPSK Mid Channel RB1-0



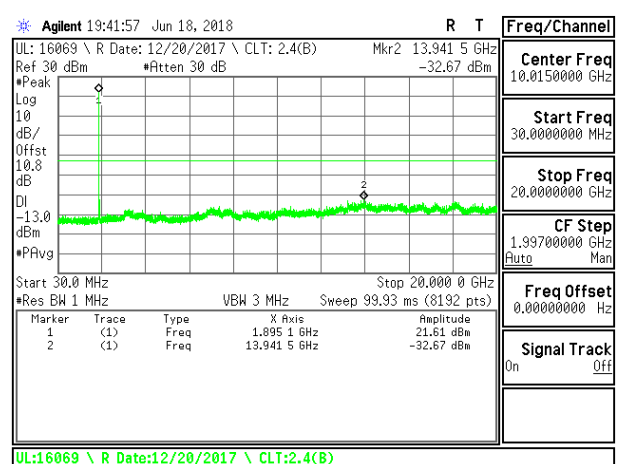
LTE B2 15MHz QPSK High Channel RB1-0



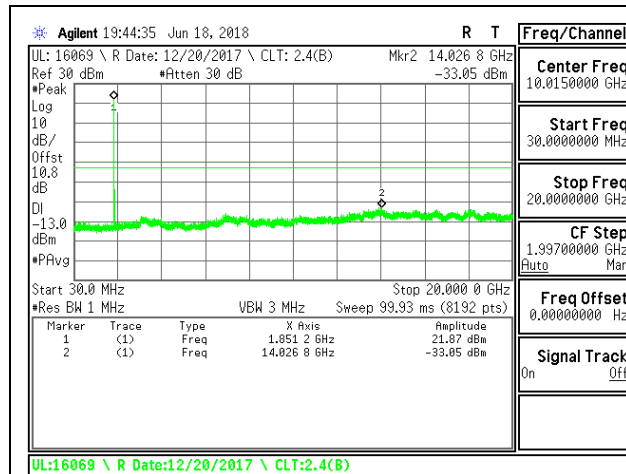
LTE B2 15MHz 16QAM Low Channel RB1-0



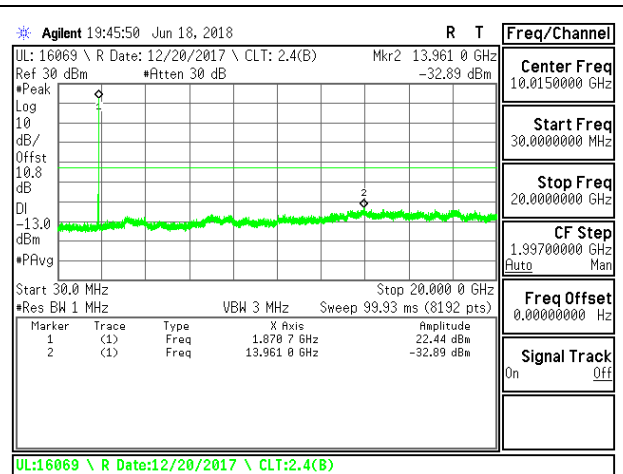
LTE B2 15MHz 16QAM Mid Channel RB1-0



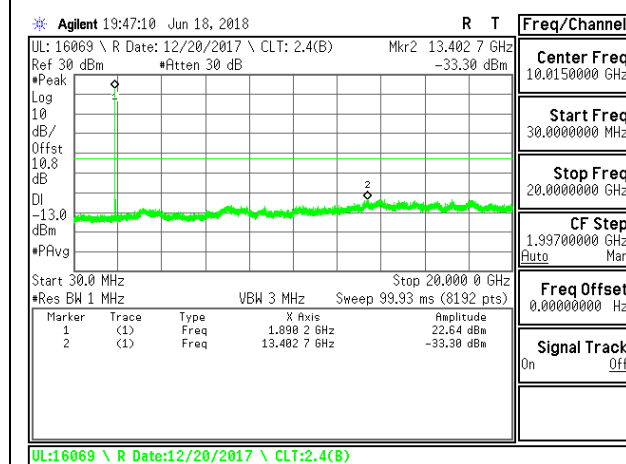
LTE B2 15MHz 16QAM High Channel RB1-0



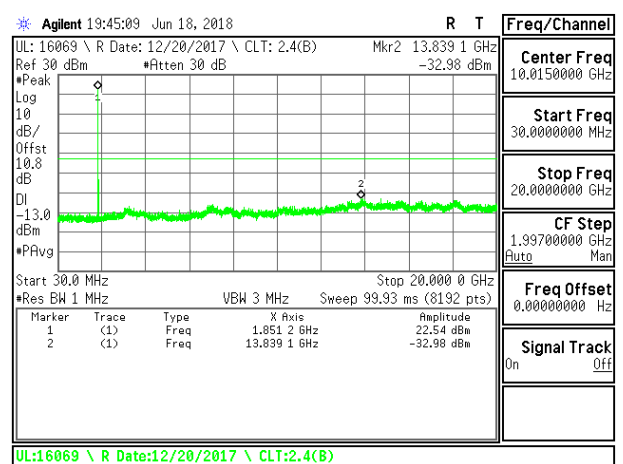
LTE B2 20MHz QPSK Low Channel RB1-0



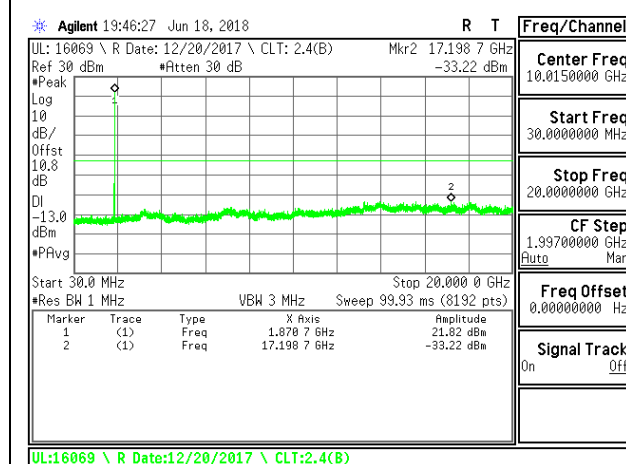
LTE B2 20MHz QPSK Mid Channel RB1-0



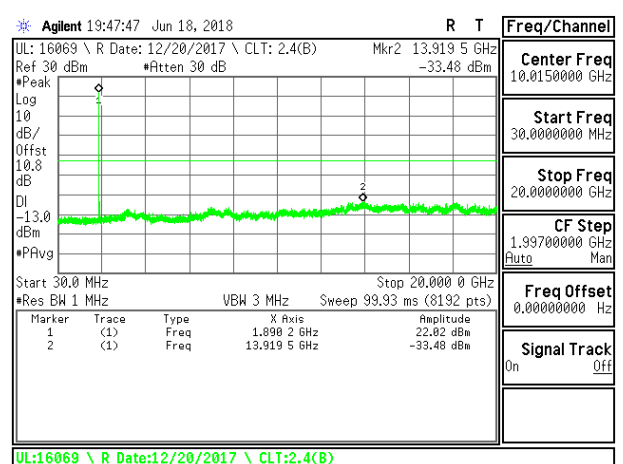
LTE B2 20MHz QPSK High Channel RB1-0



LTE B2 20MHz 16QAM Low Channel RB1-0

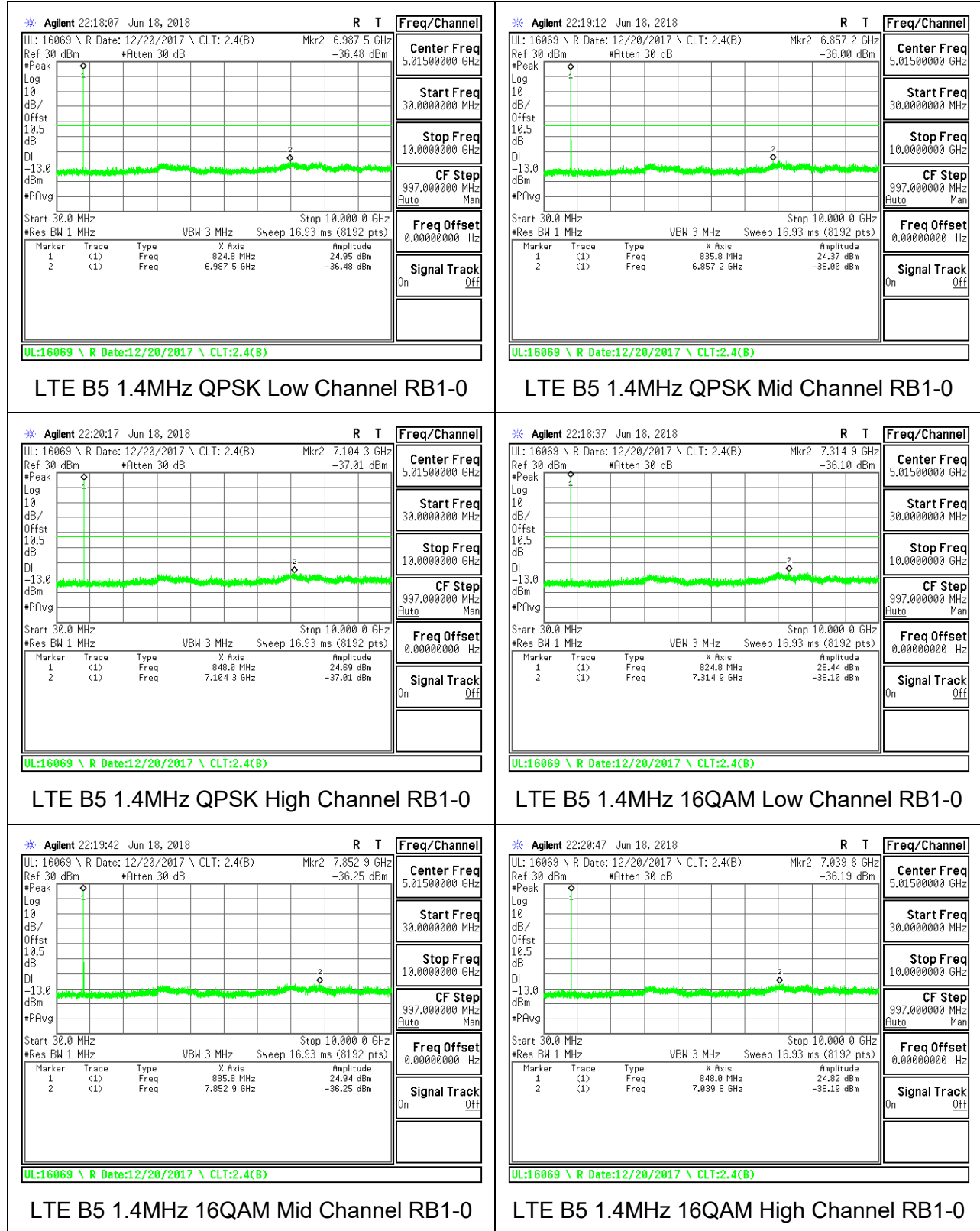


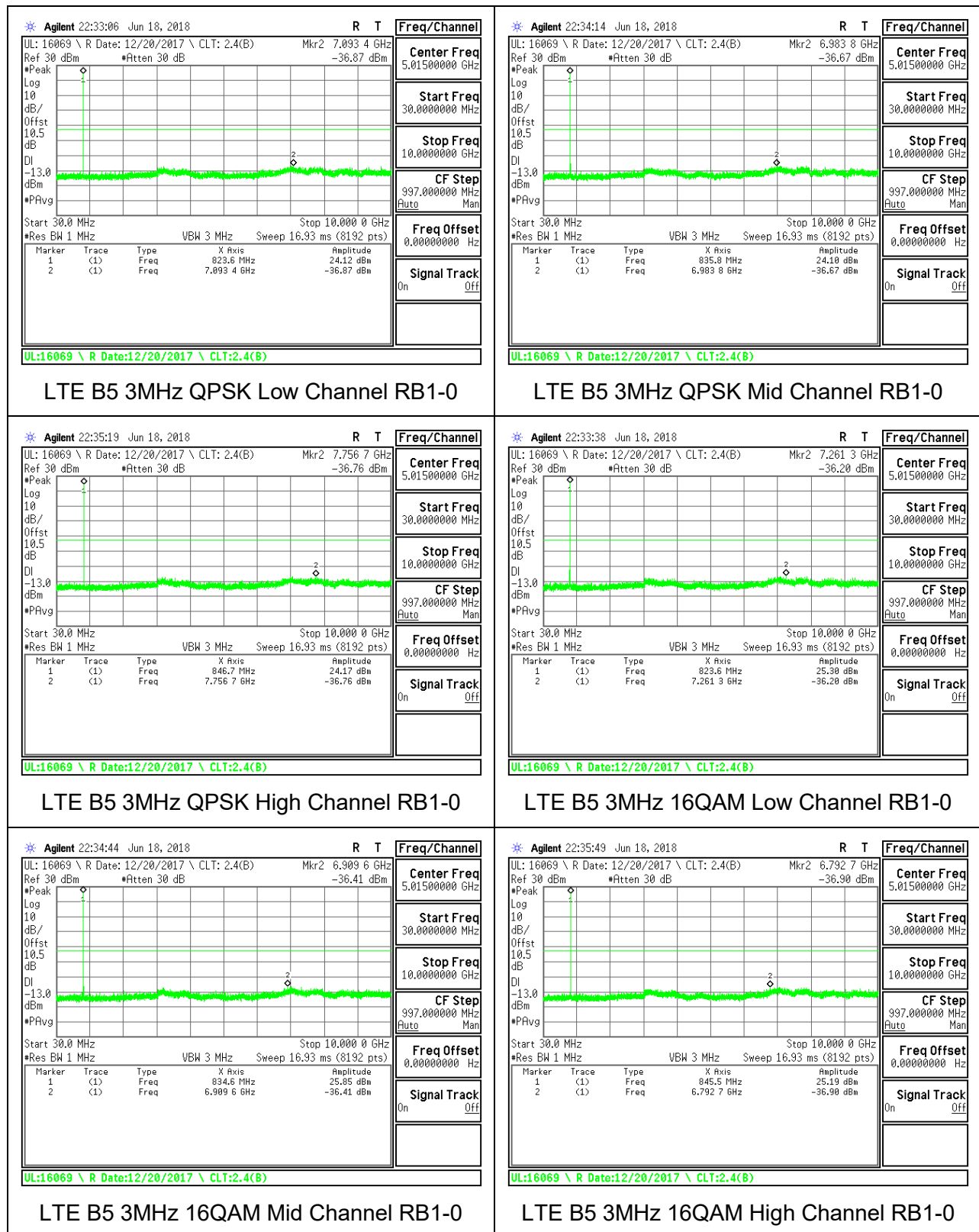
LTE B2 20MHz 16QAM Mid Channel RB1-0

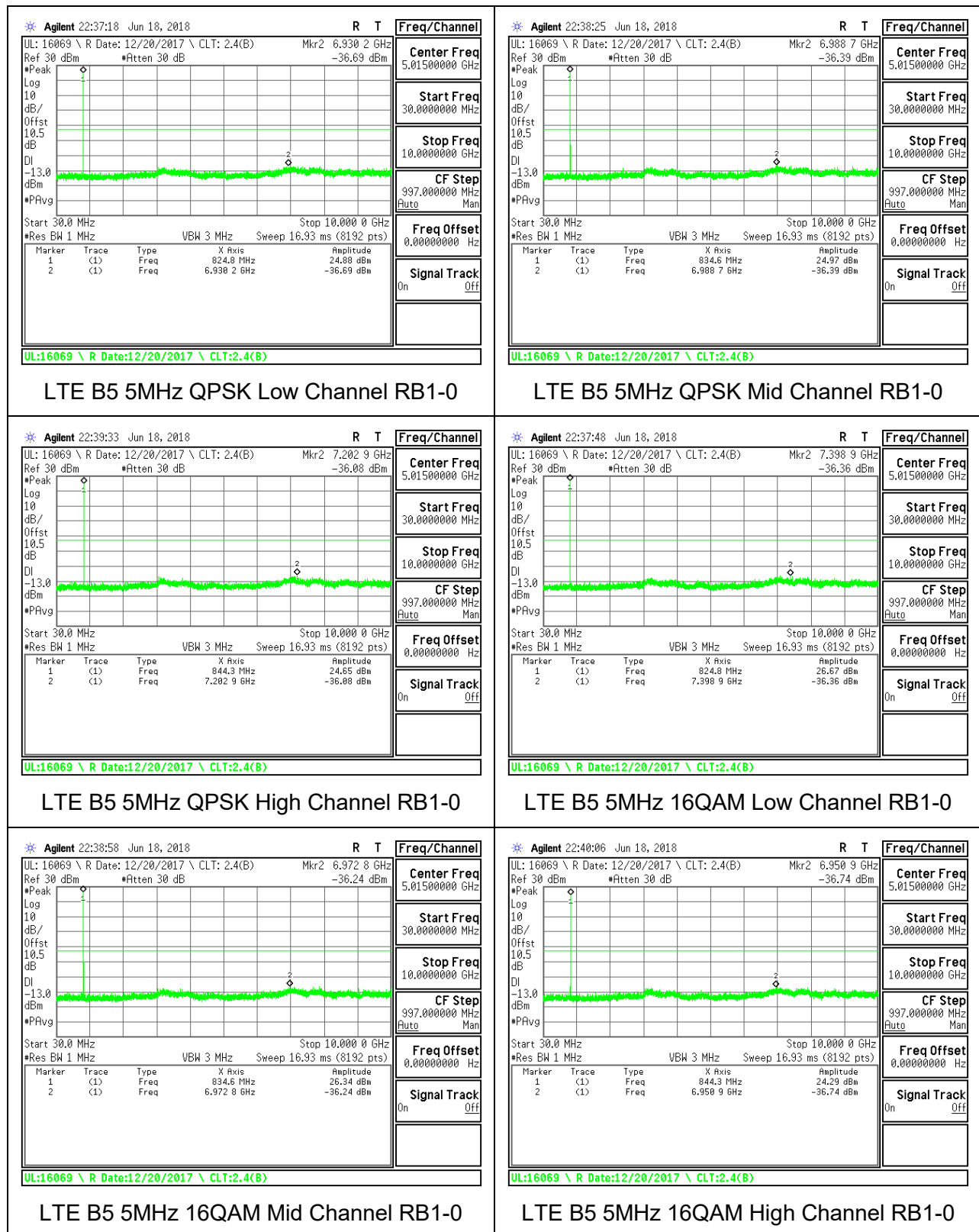


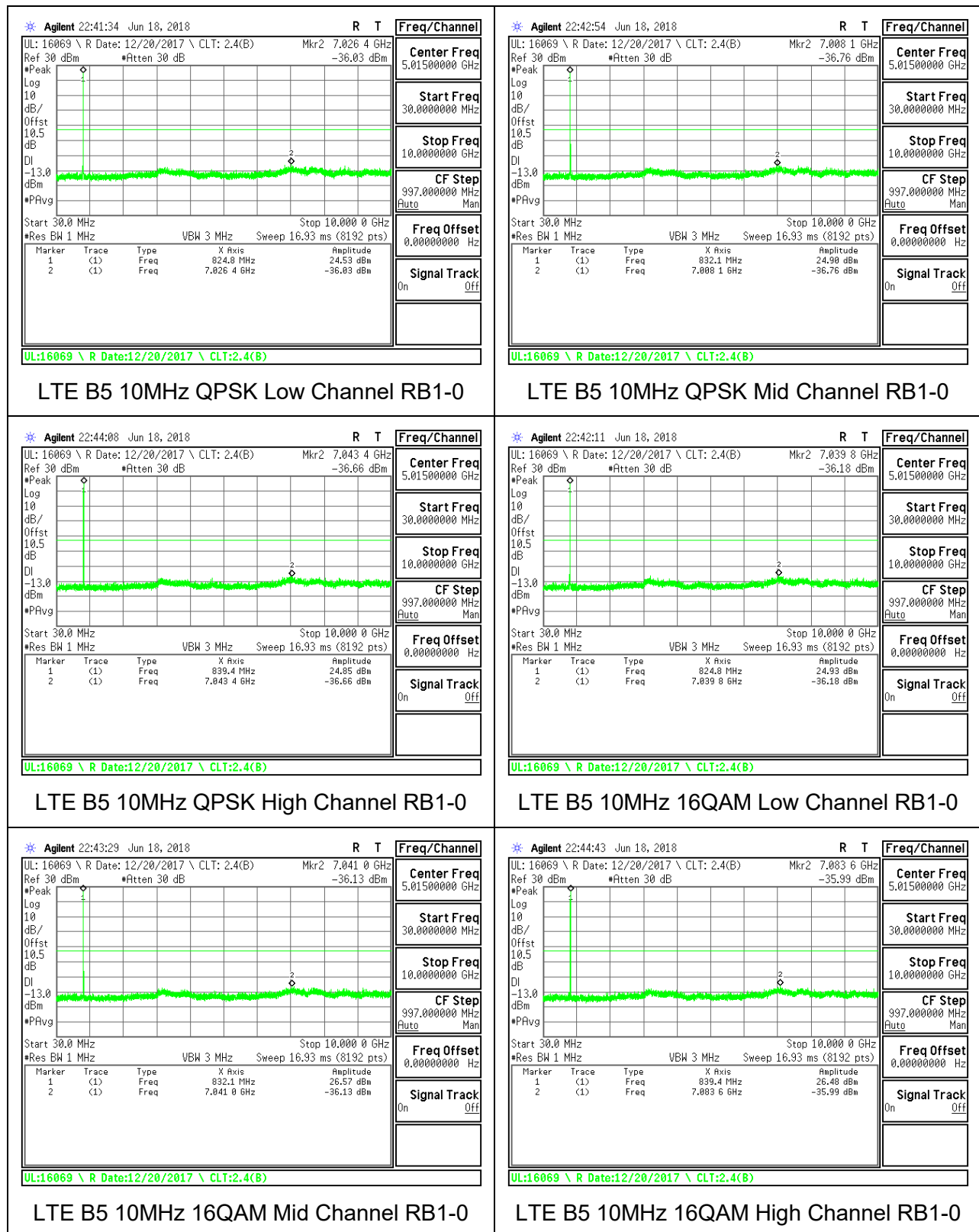
LTE B2 20MHz 16QAM High Channel RB1-0

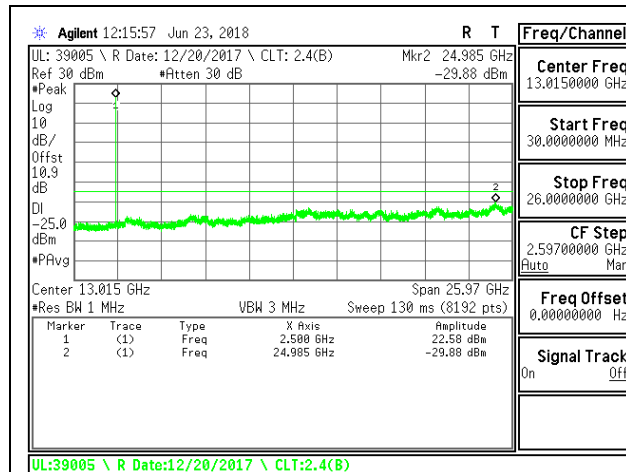
8.3.7. LTE BAND 5



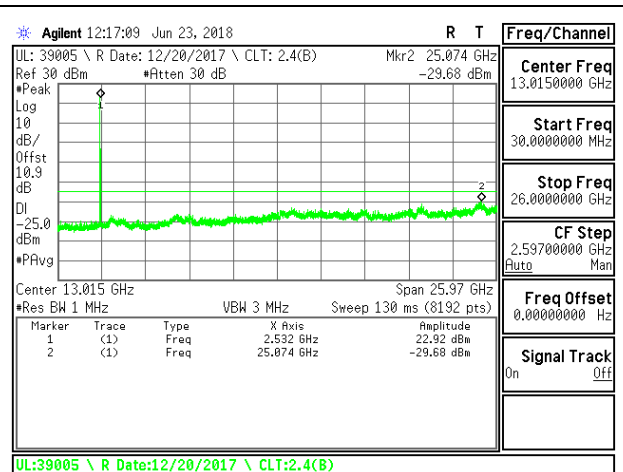




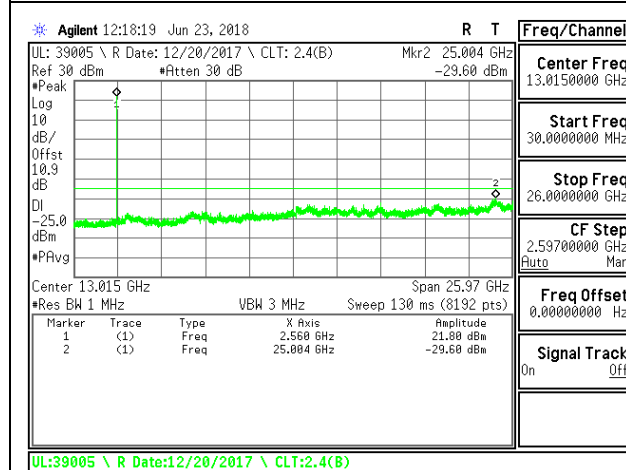




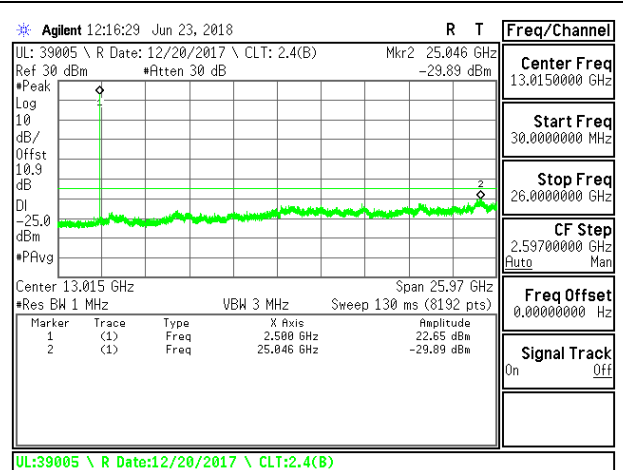
LTE B7 10MHz QPSK Low Channel RB1-0



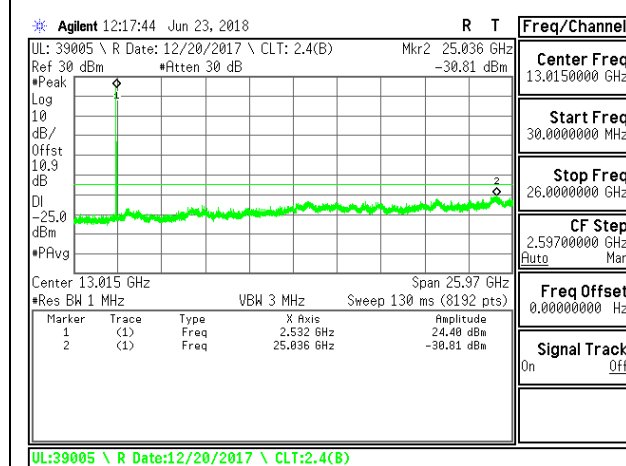
LTE B7 10MHz QPSK Mid Channel RB1-0



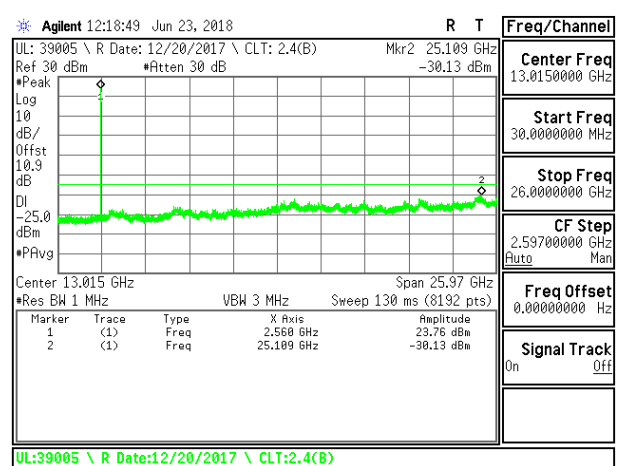
LTE B7 10MHz QPSK High Channel RB1-0



LTE B7 10MHz 16QAM Low Channel RB1-0



LTE B7 10MHz 16QAM Mid Channel RB1-0



LTE B7 10MHz 16QAM High Channel RB1-0