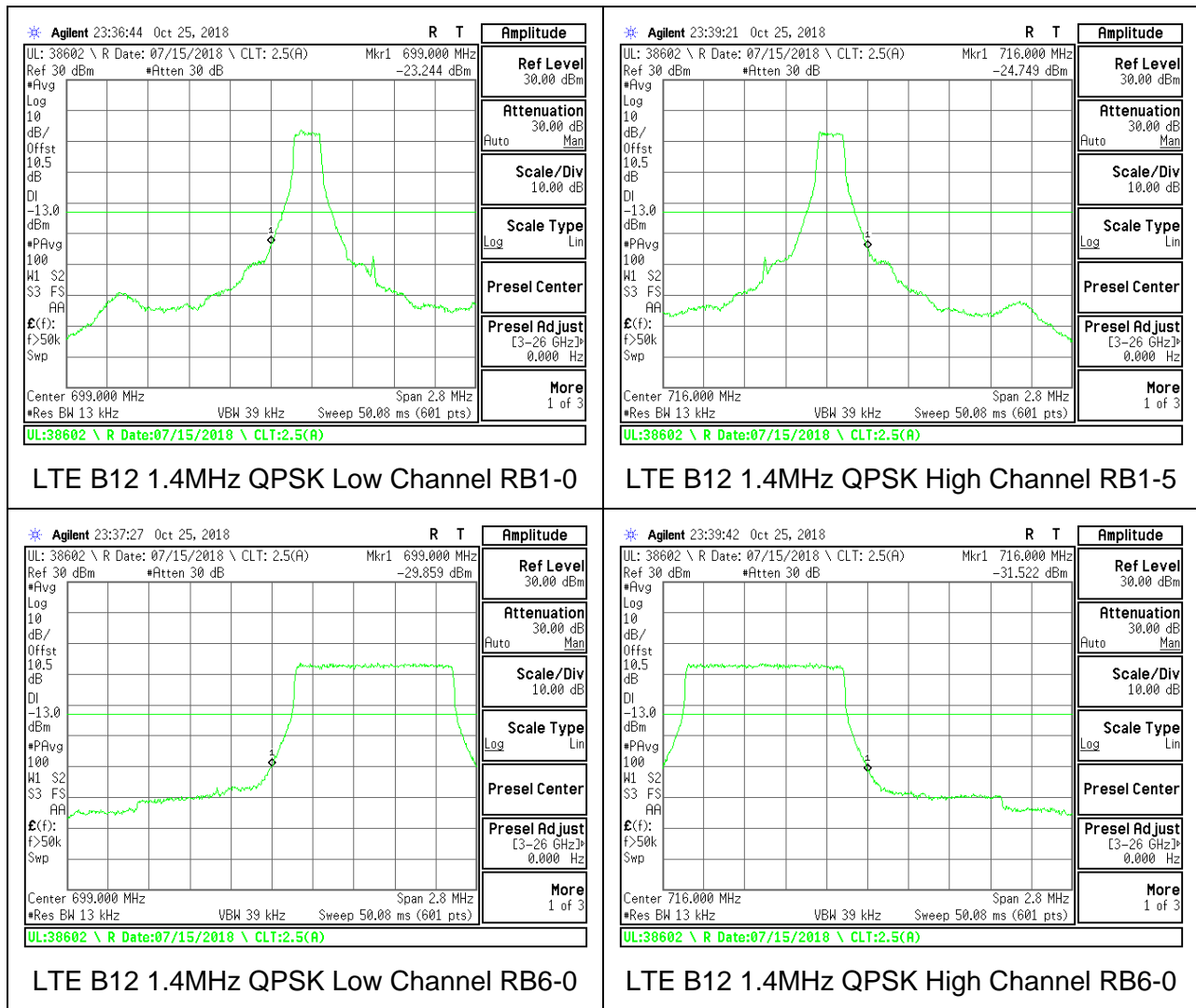
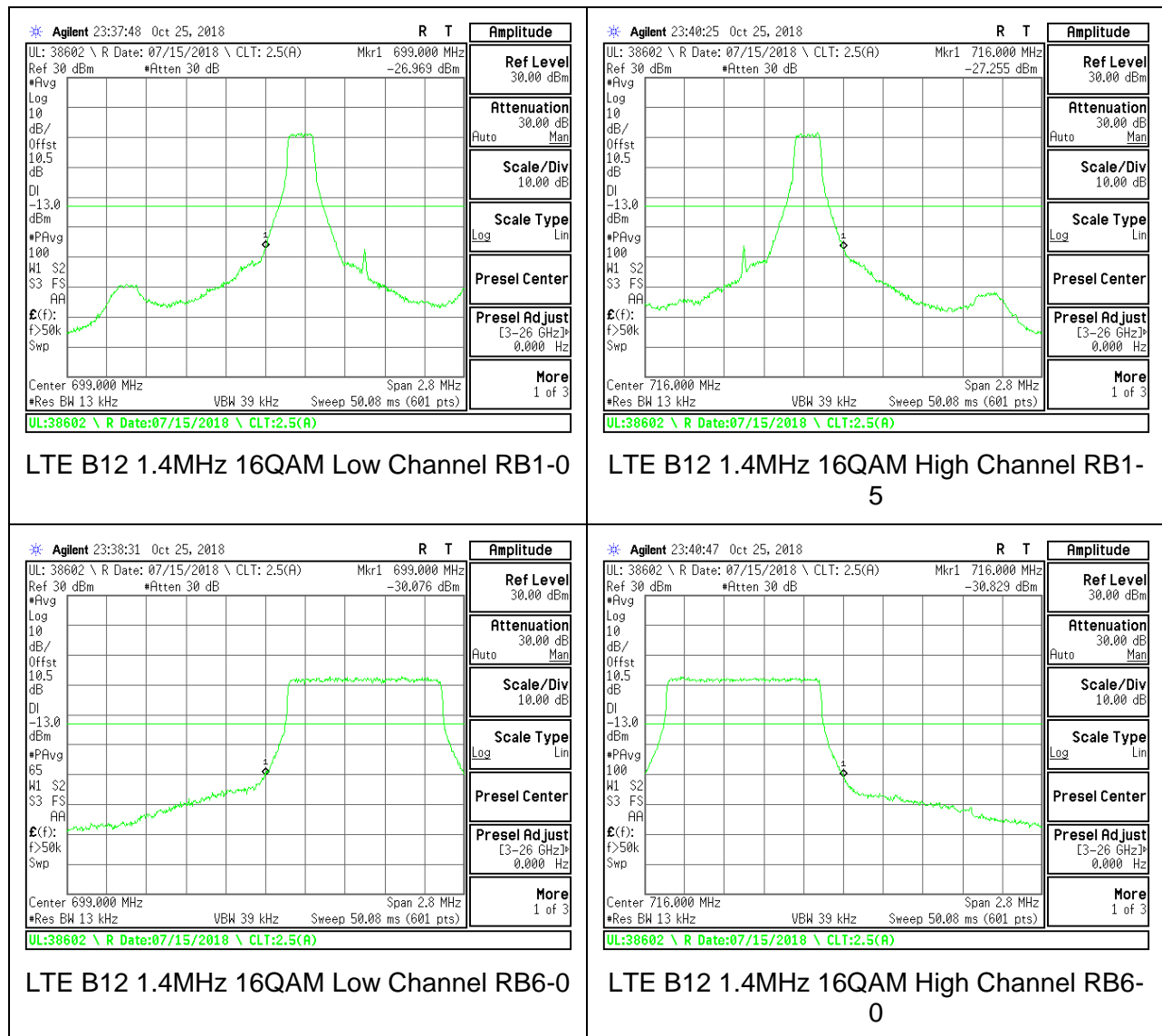
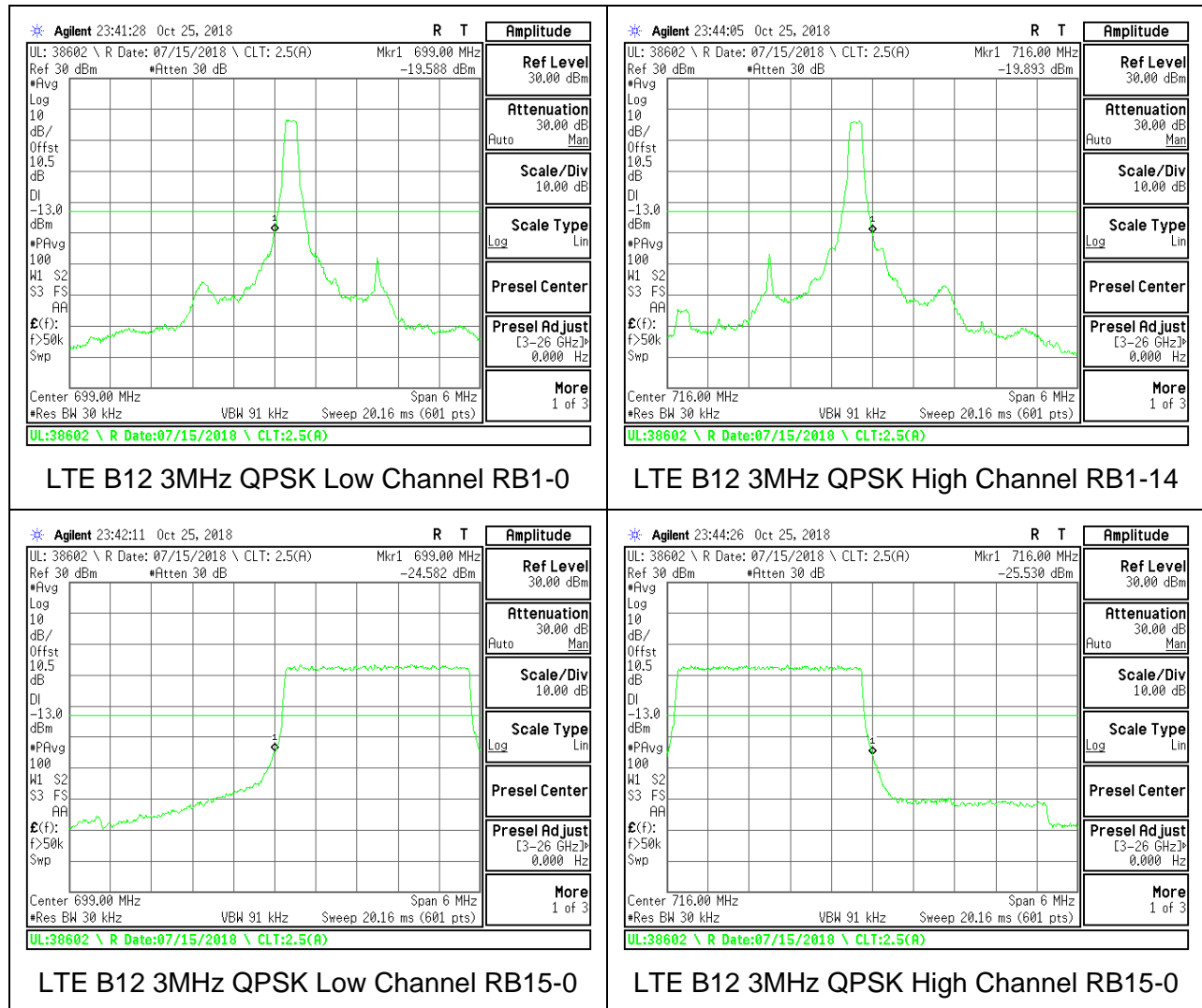
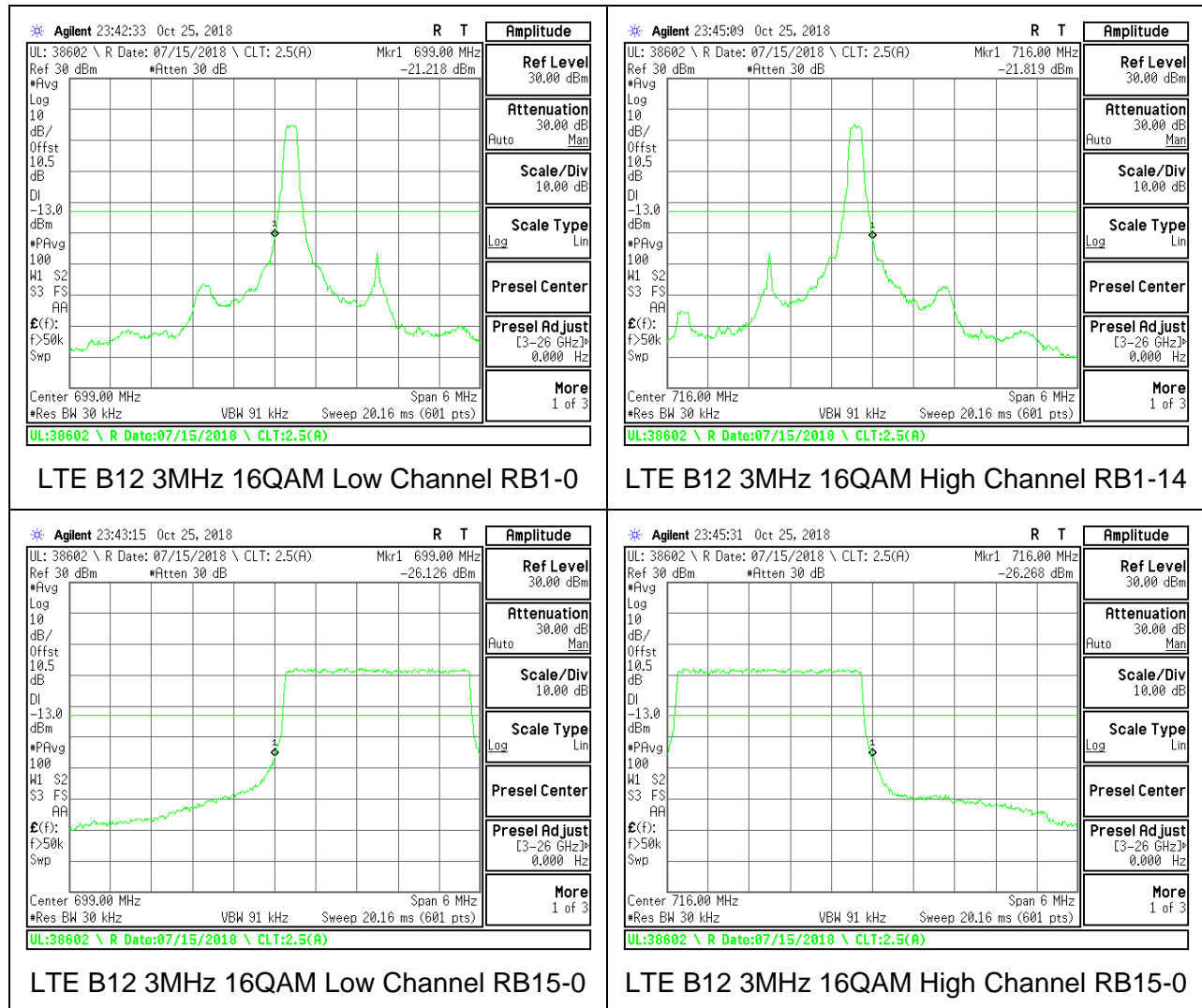


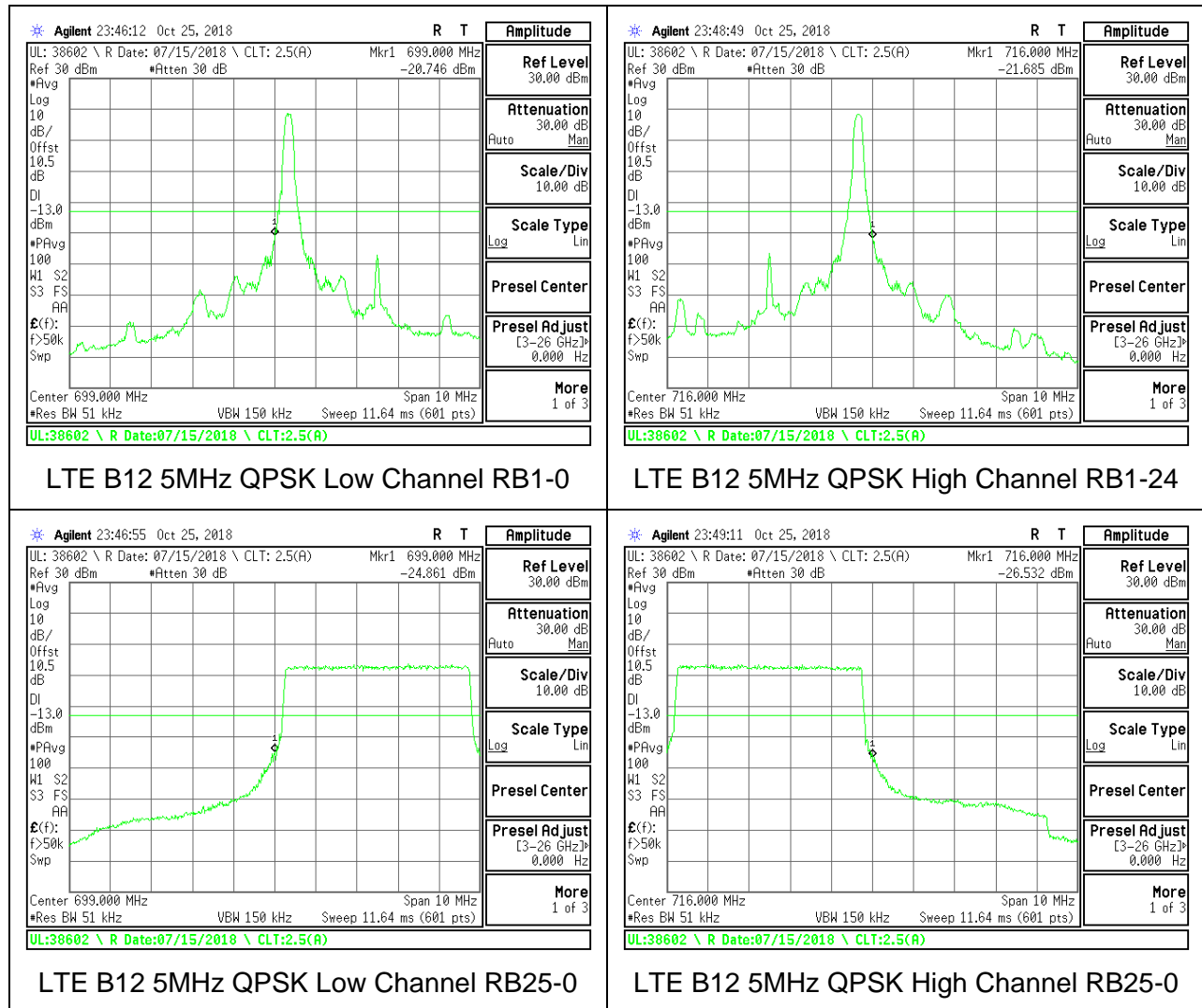
9.2.9. LTE BAND 12 BANDEDGE

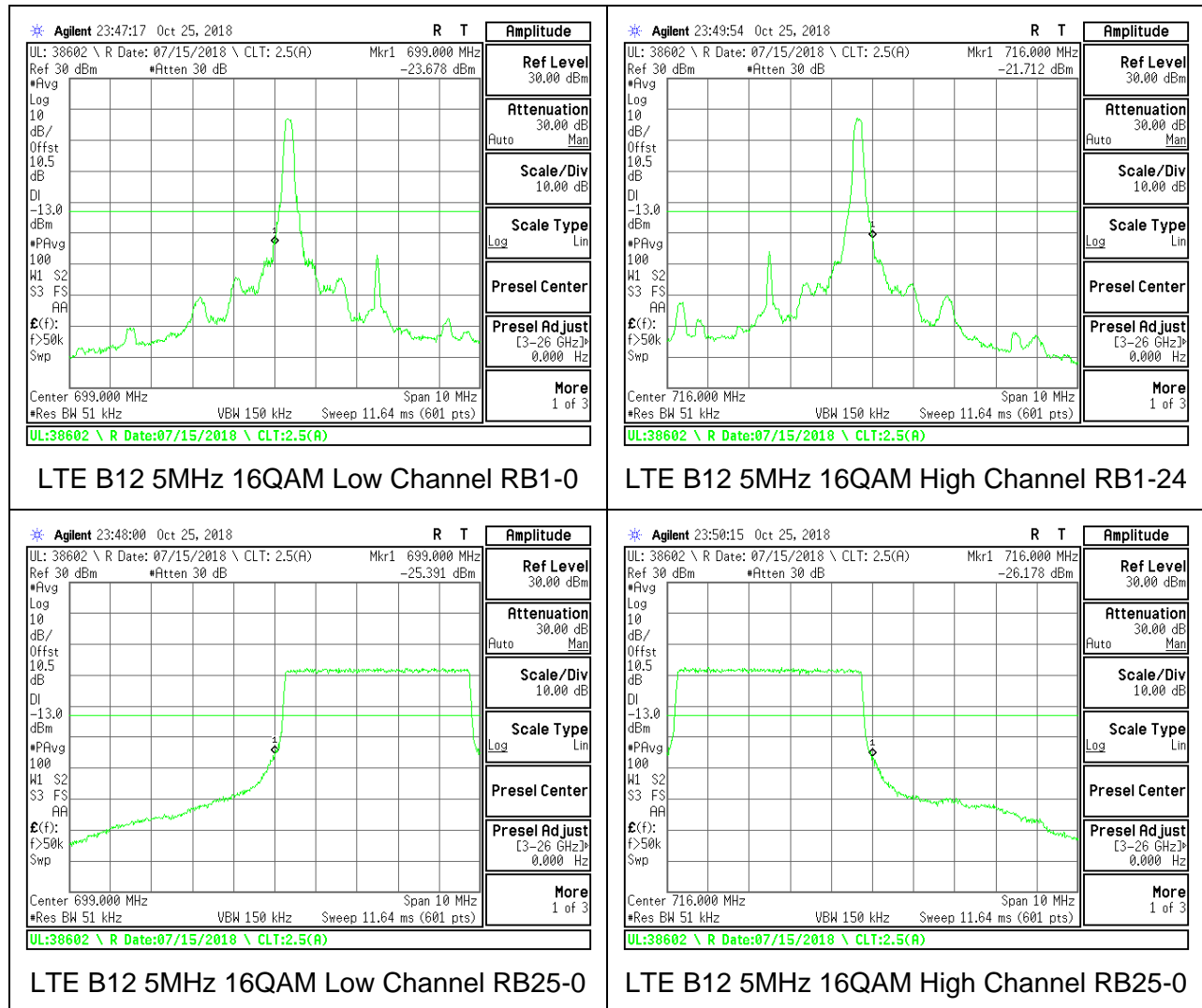


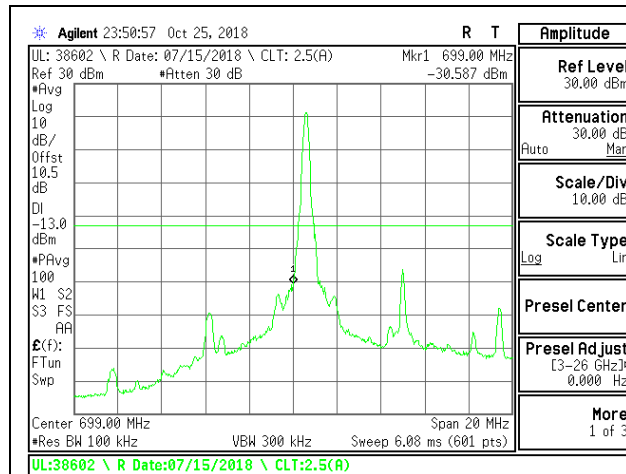




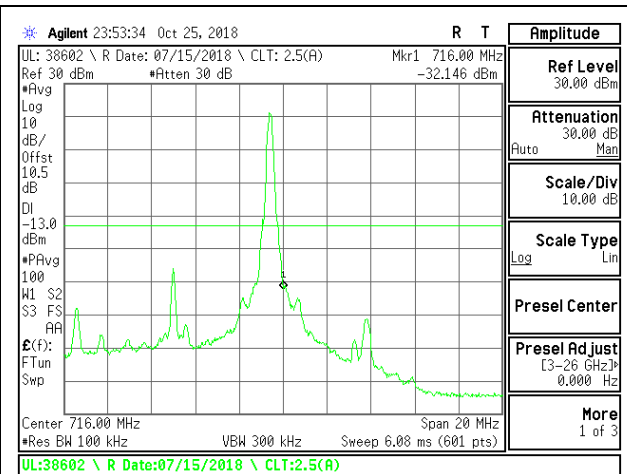




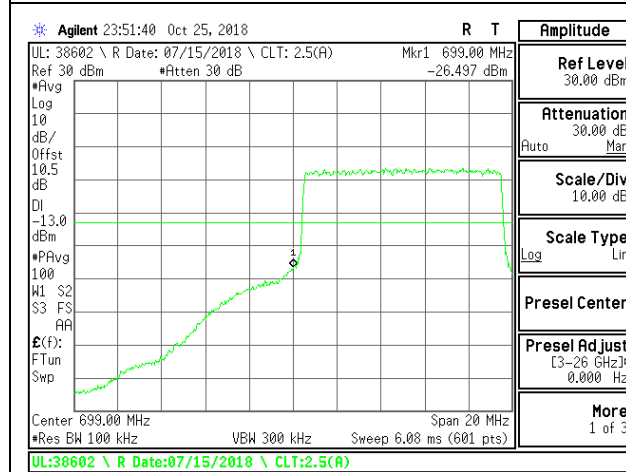




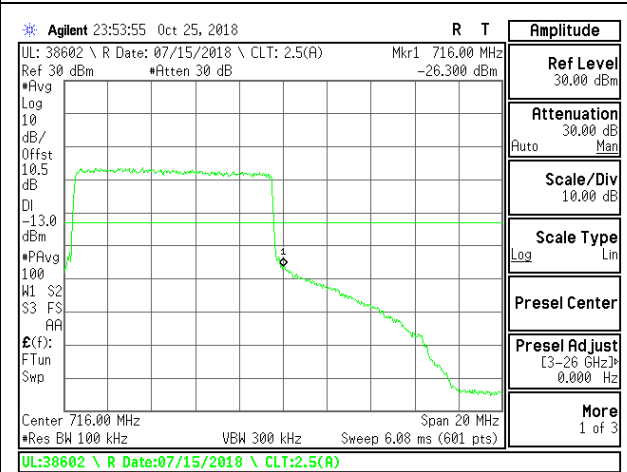
LTE B12 10MHz QPSK Low Channel RB1-0



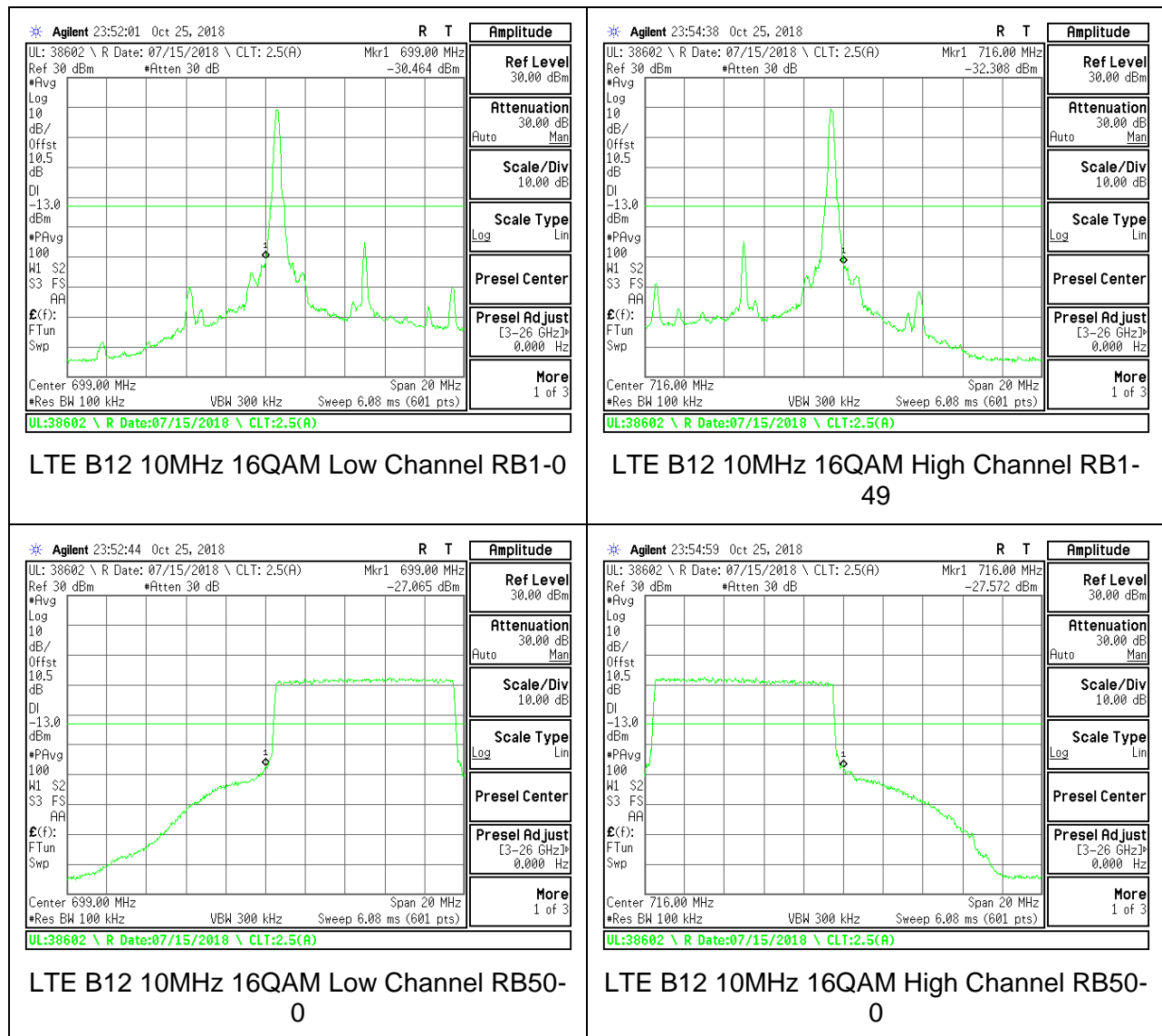
LTE B12 10MHz QPSK High Channel RB1-49



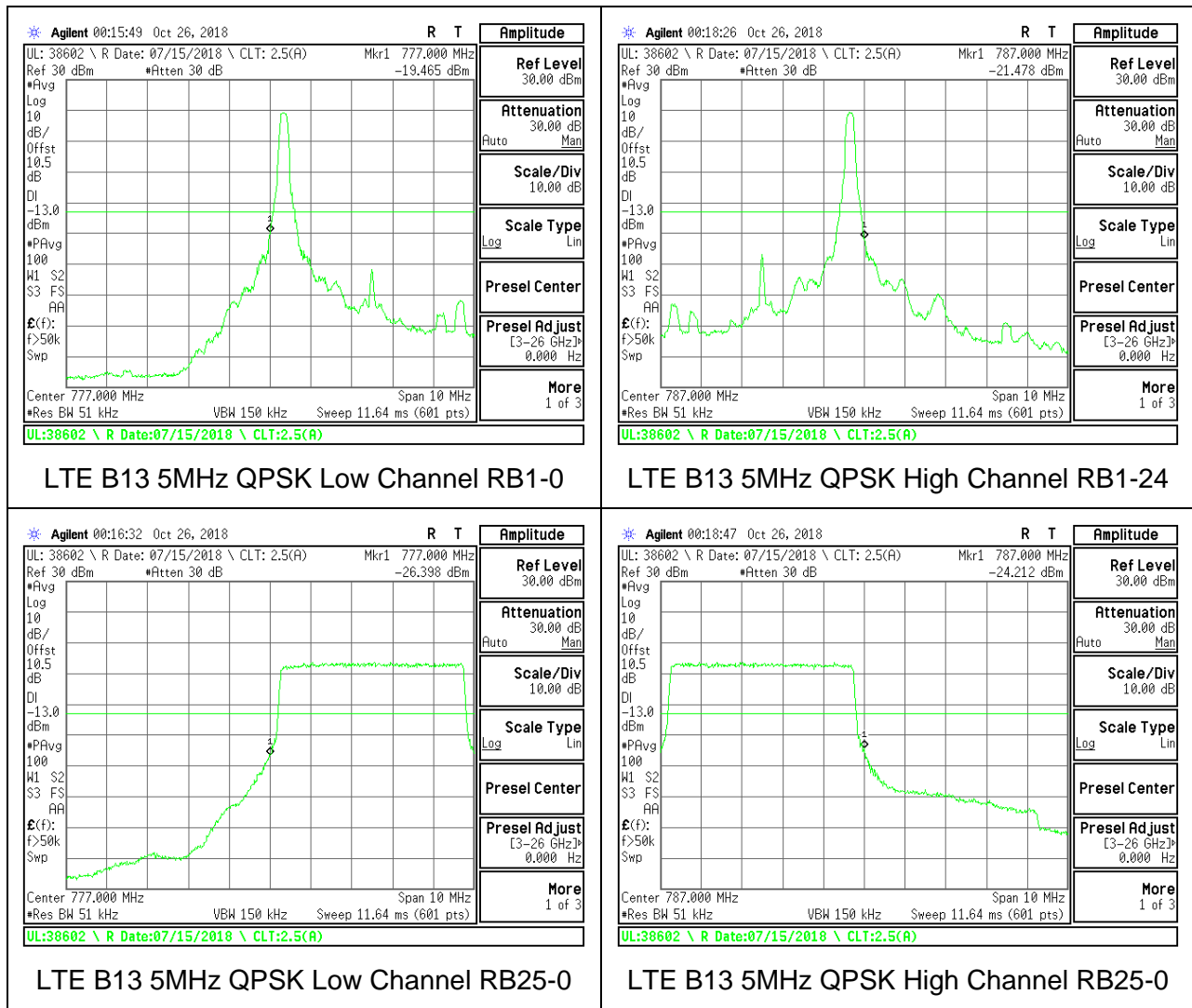
LTE B12 10MHz QPSK Low Channel RB50-0

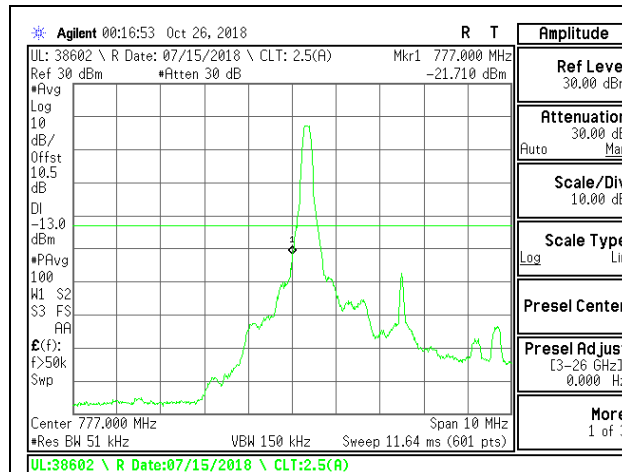


LTE B12 10MHz QPSK High Channel RB50-0

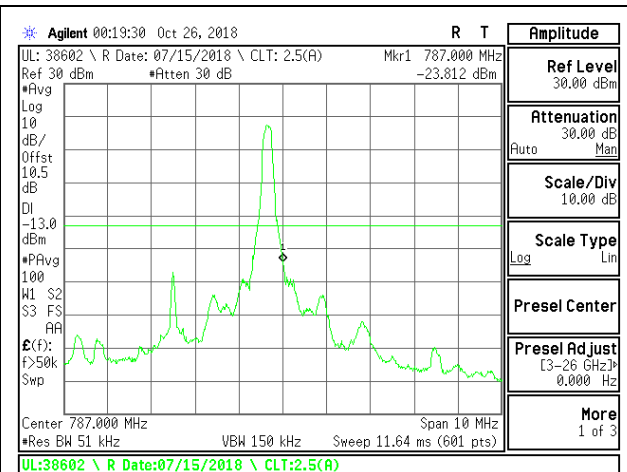


9.2.10. LTE BAND 13 BANDEDGE

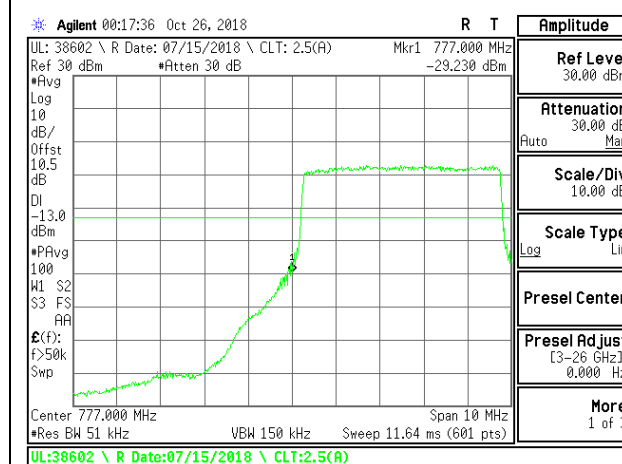




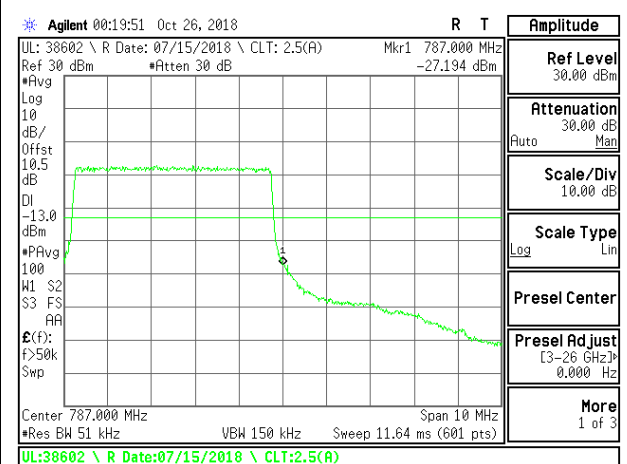
LTE B13 5MHz 16QAM Low Channel RB1-0



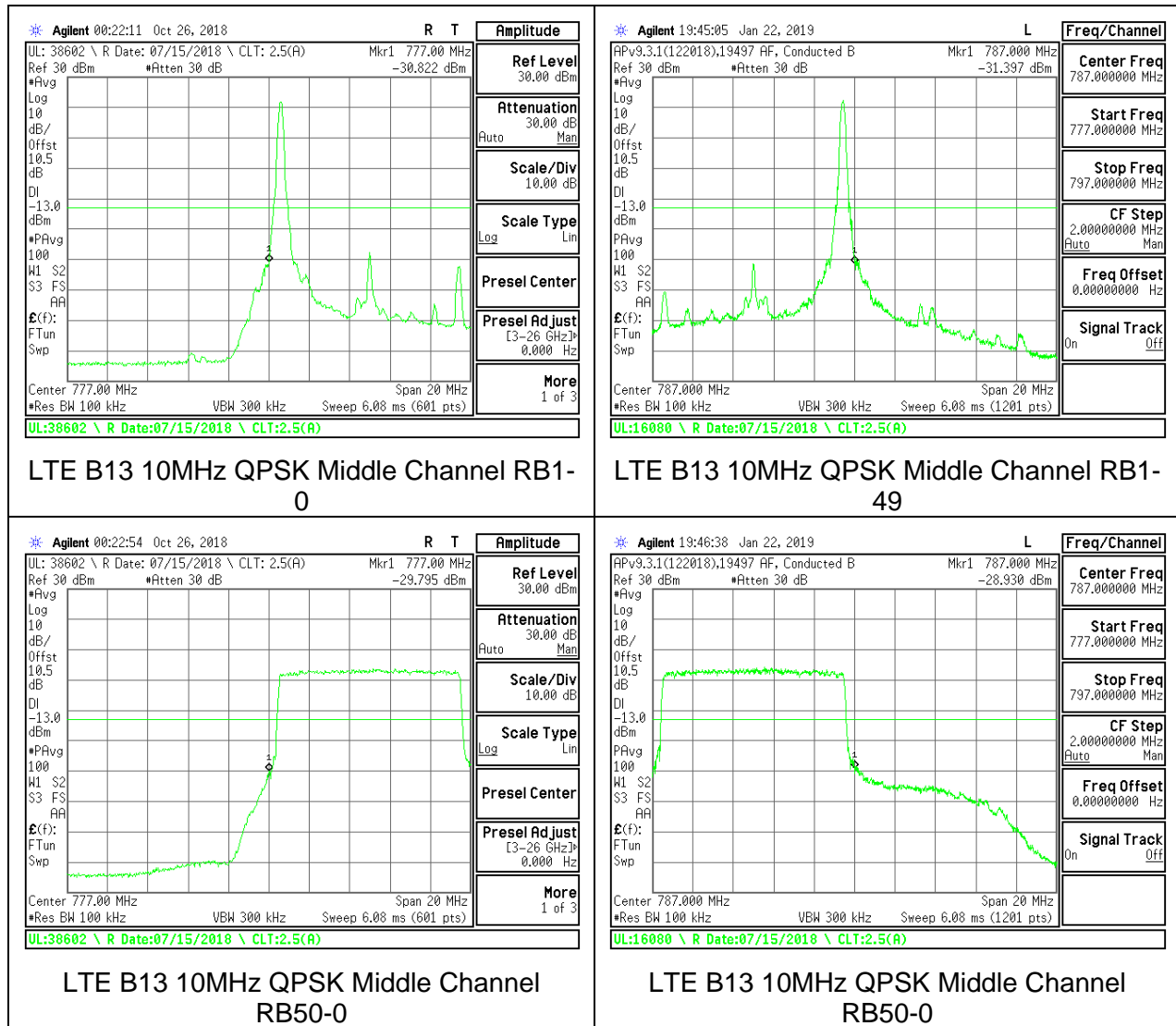
LTE B13 5MHz 16QAM High Channel RB1-24

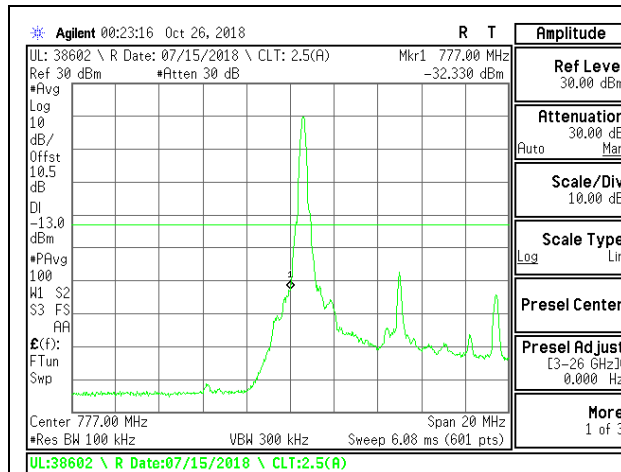


LTE B13 5MHz 16QAM Low Channel RB25-0

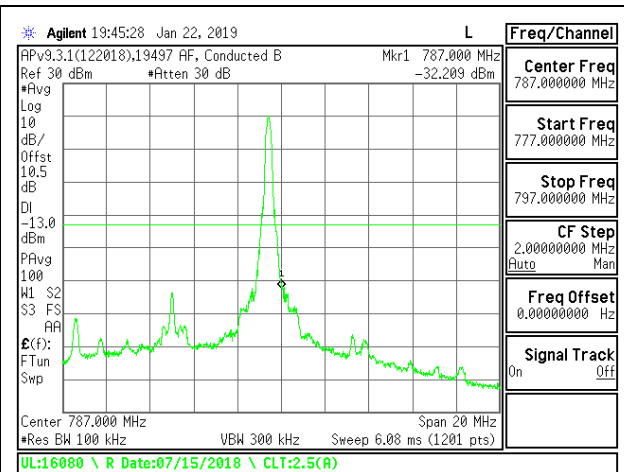


LTE B13 5MHz 16QAM High Channel RB25-0

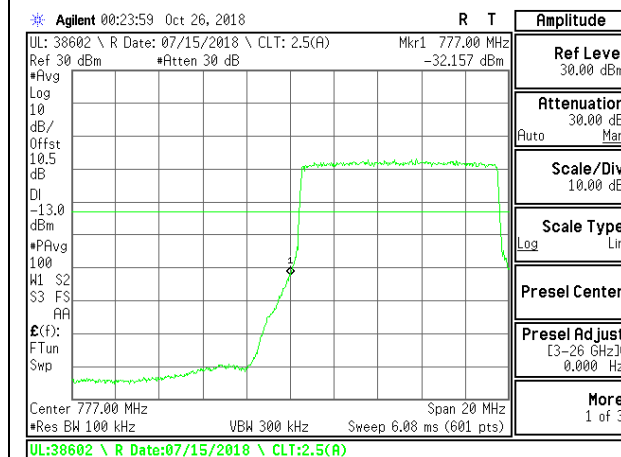




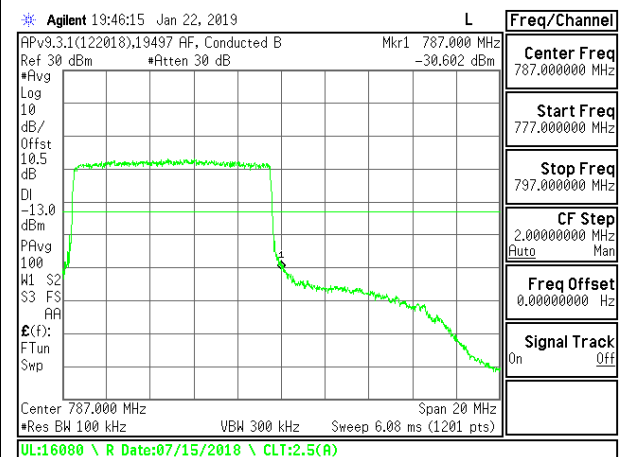
LTE B13 10MHz 16QAM Middle Channel
RB1-0



LTE B13 10MHz 16QAM Middle Channel
RB1-49

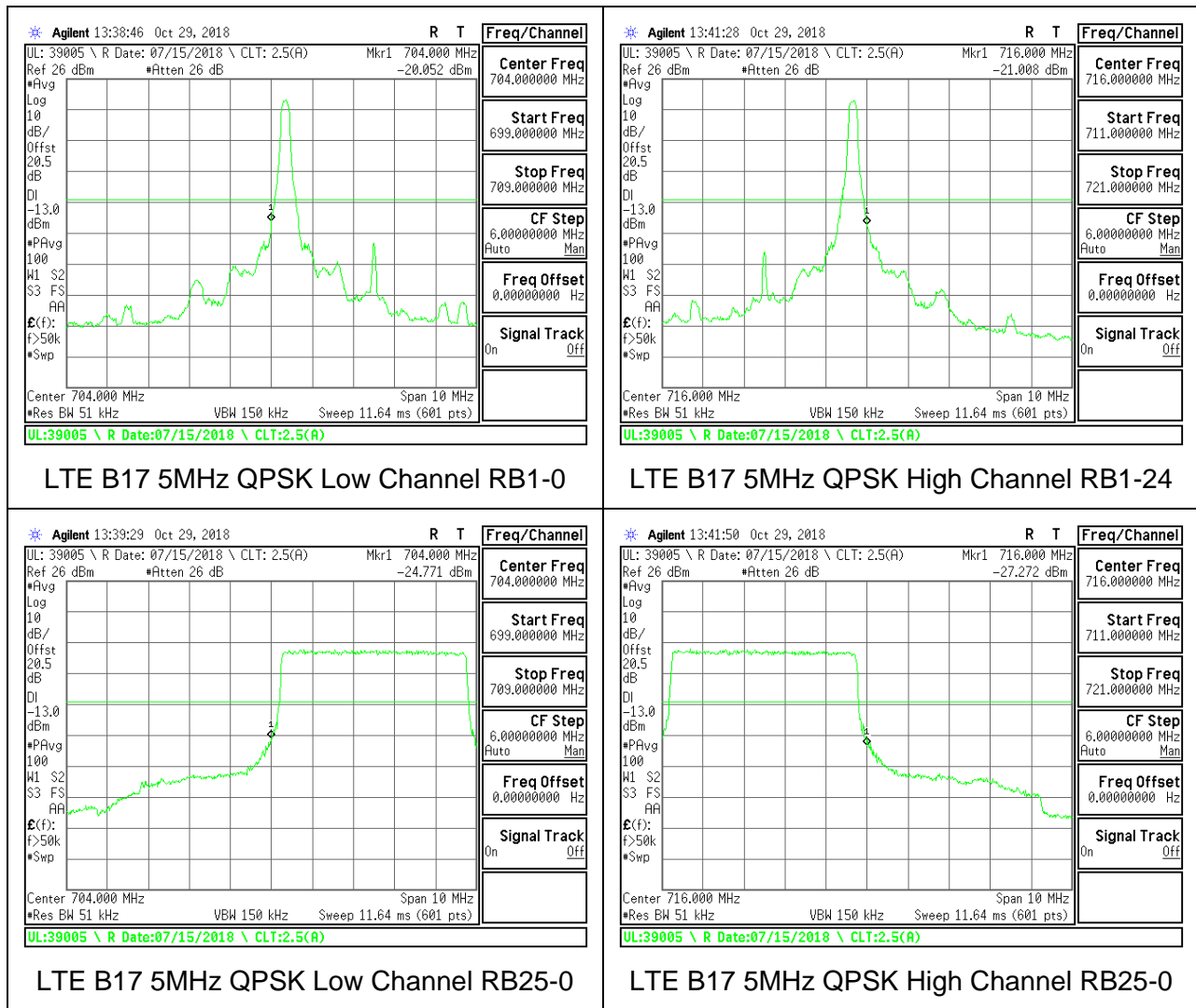


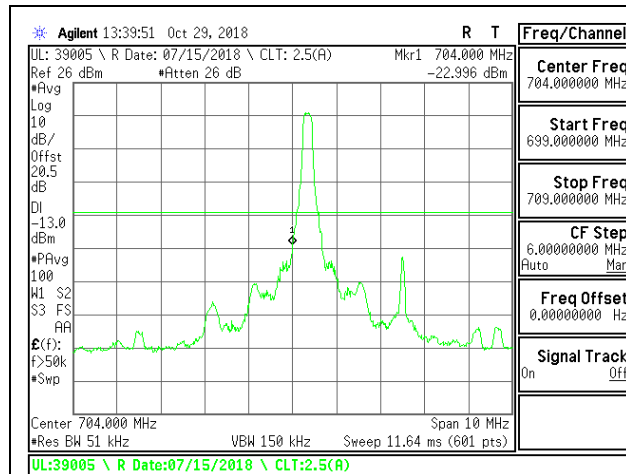
LTE B13 10MHz 16QAM Middle Channel
RB50-0



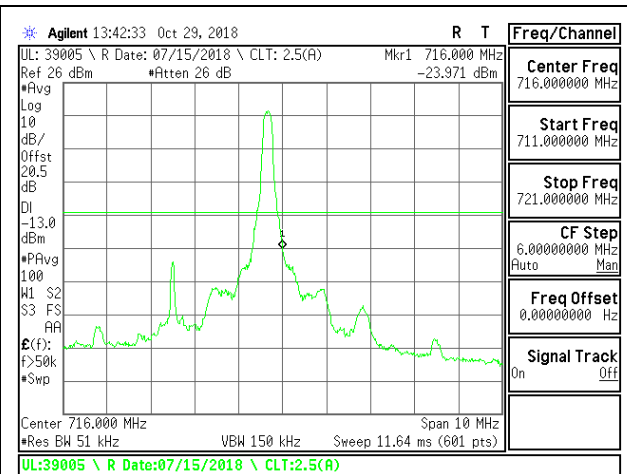
LTE B13 10MHz 16QAM Middle Channel
RB50-0

9.2.11. LTE BAND 17 BANDEDGE

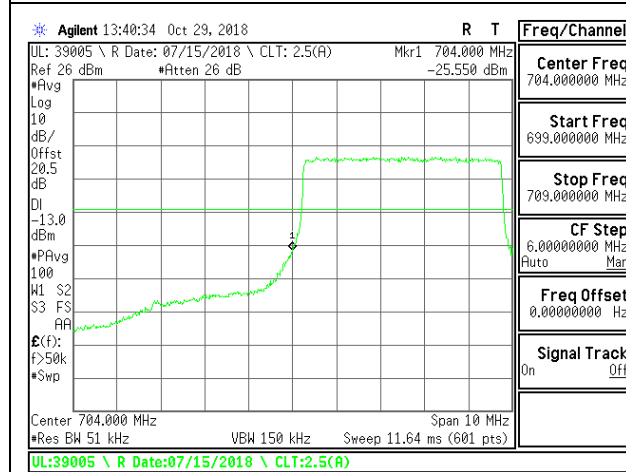




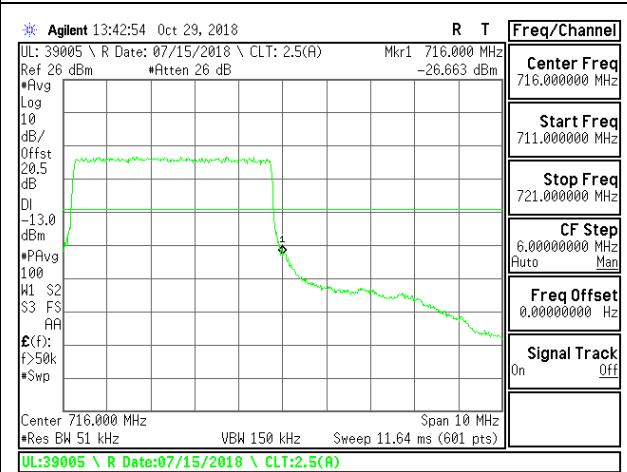
LTE B17 5MHz 16QAM Low Channel RB1-0



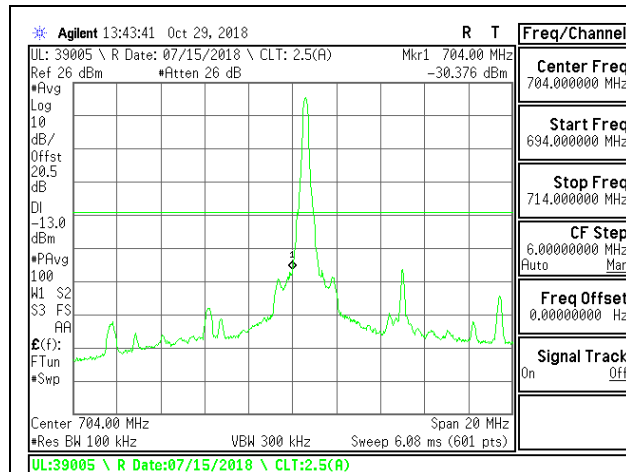
LTE B17 5MHz 16QAM High Channel RB1-24



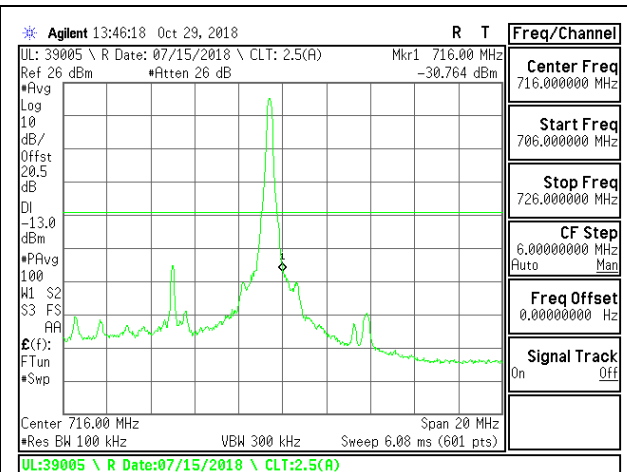
LTE B17 5MHz 16QAM Low Channel RB25-0



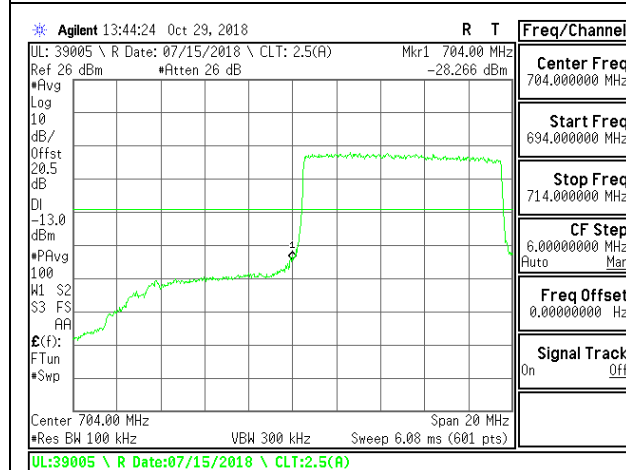
LTE B17 5MHz 16QAM High Channel RB25-0



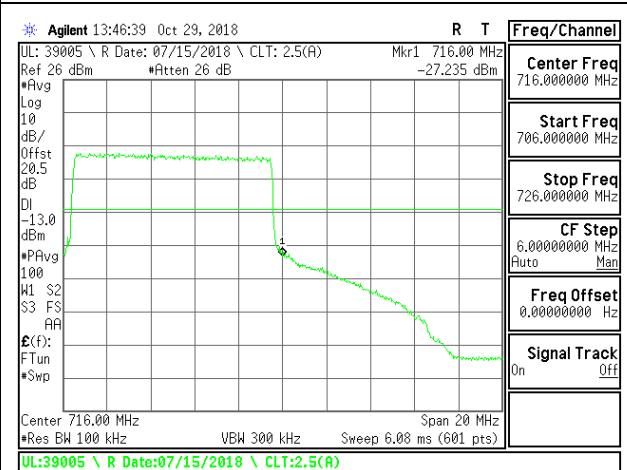
LTE B17 10MHz QPSK Low Channel RB1-0



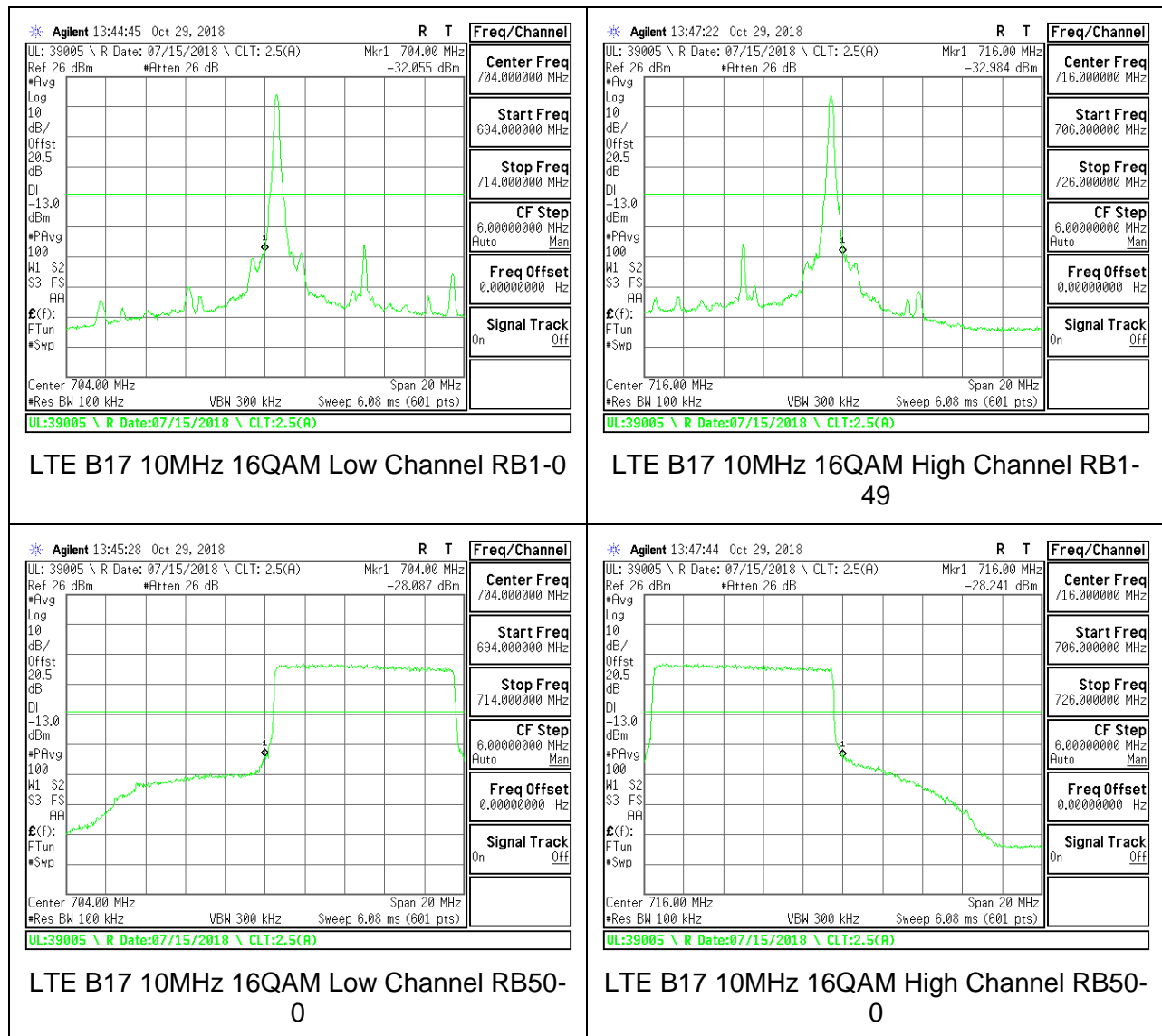
LTE B17 10MHz QPSK High Channel RB1-49



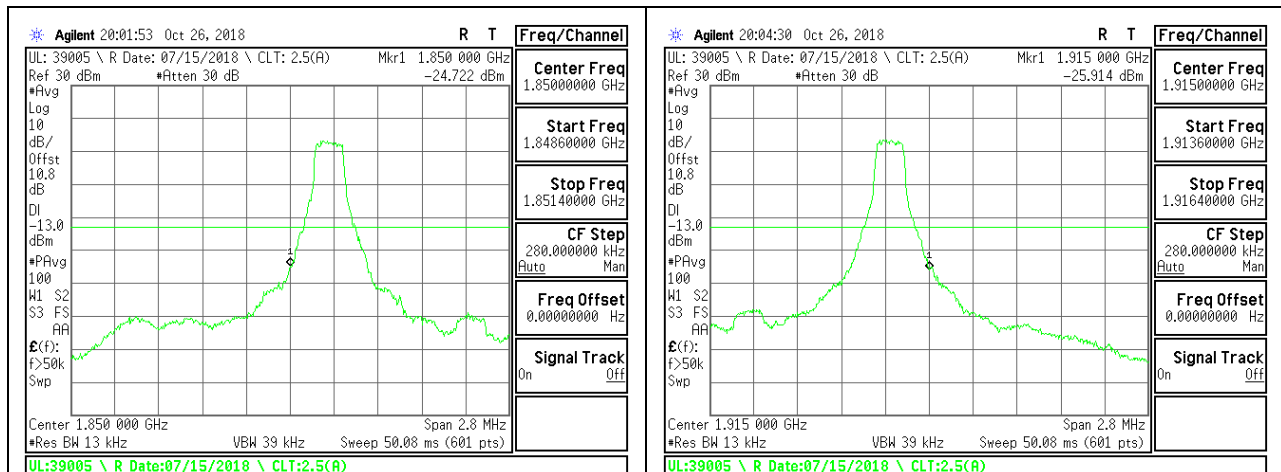
LTE B17 10MHz QPSK Low Channel RB50-0



LTE B17 10MHz QPSK High Channel RB50-0

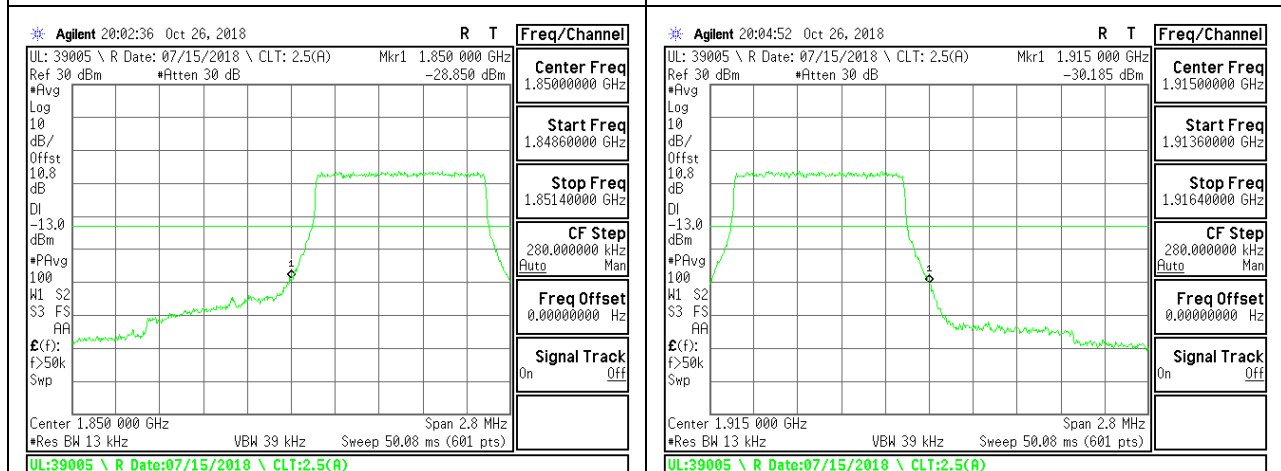


9.2.12. LTE BAND 25 BANDEDGE



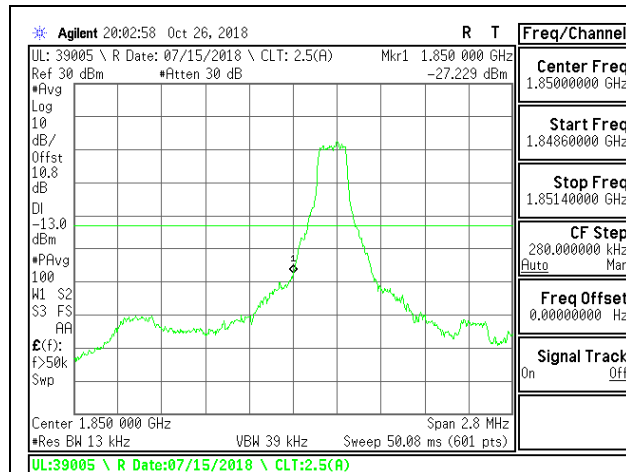
LTE B25 1.4MHz QPSK Low Channel RB1-0

LTE B25 1.4MHz QPSK High Channel RB1-5

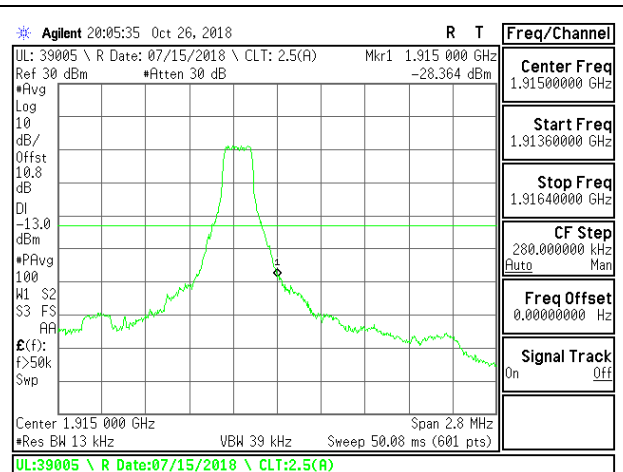


LTE B25 1.4MHz QPSK Low Channel RB6-0

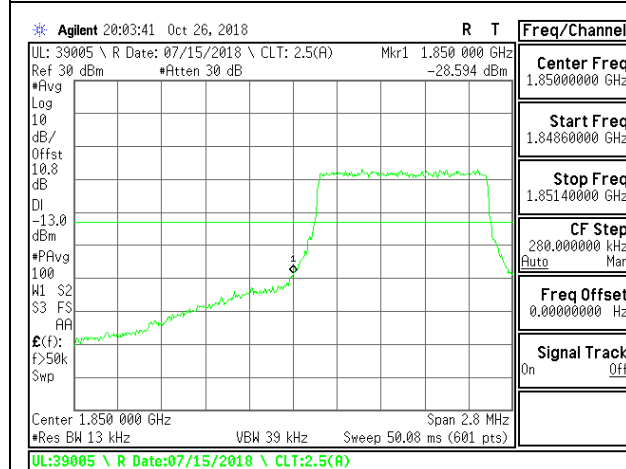
LTE B25 1.4MHz QPSK High Channel RB6-0



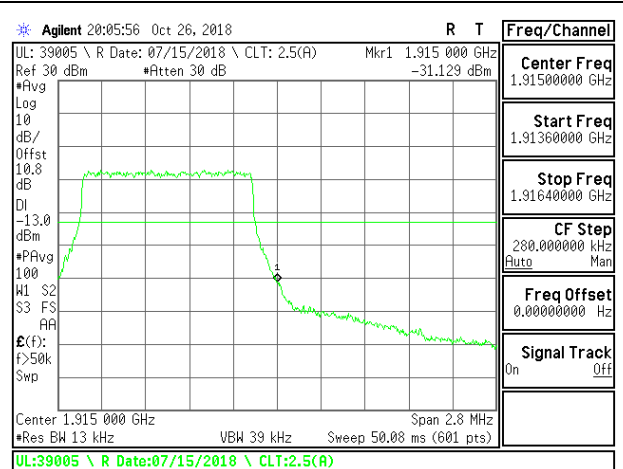
LTE B25 1.4MHz 16QAM Low Channel RB1-0



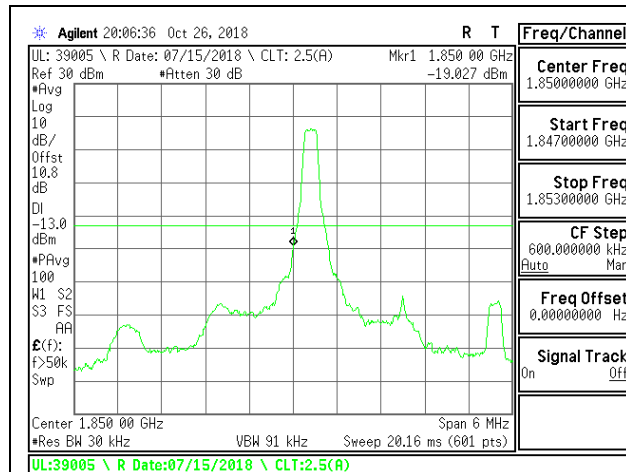
LTE B25 1.4MHz 16QAM High Channel RB1-5



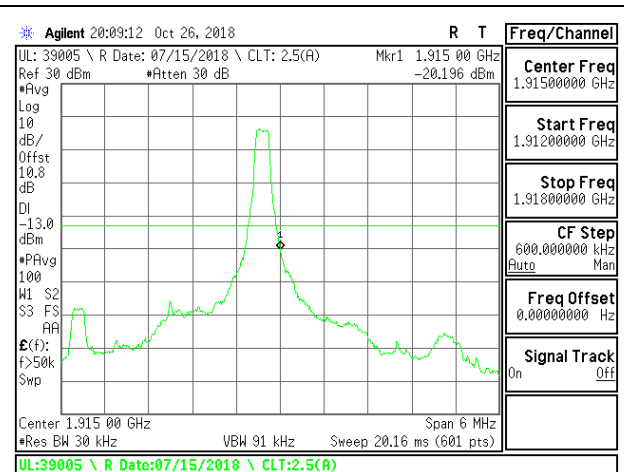
LTE B25 1.4MHz 16QAM Low Channel RB6-0



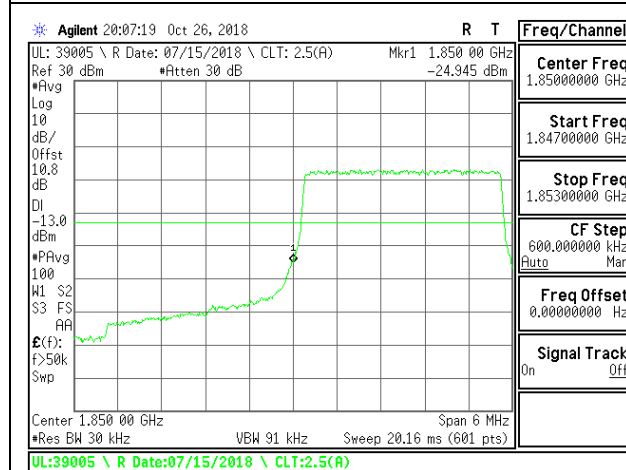
LTE B25 1.4MHz 16QAM High Channel RB6-0



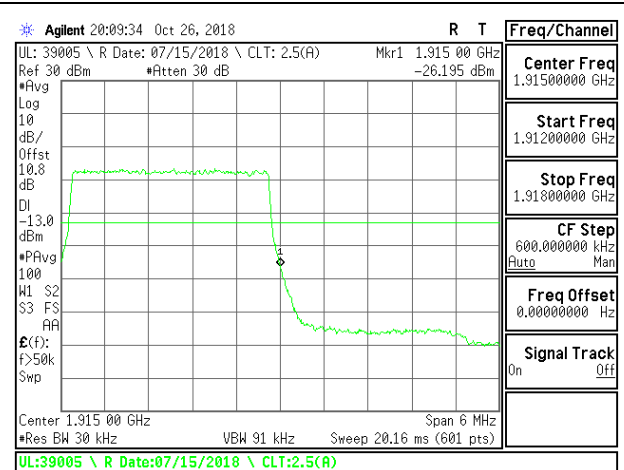
LTE B25 3MHz QPSK Low Channel RB1-0



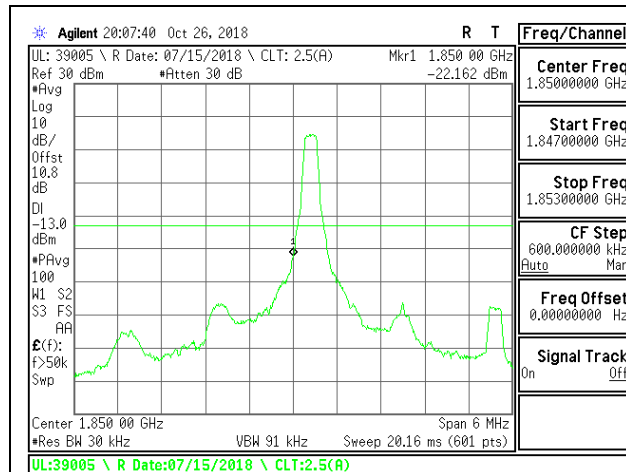
LTE B25 3MHz QPSK High Channel RB1-14



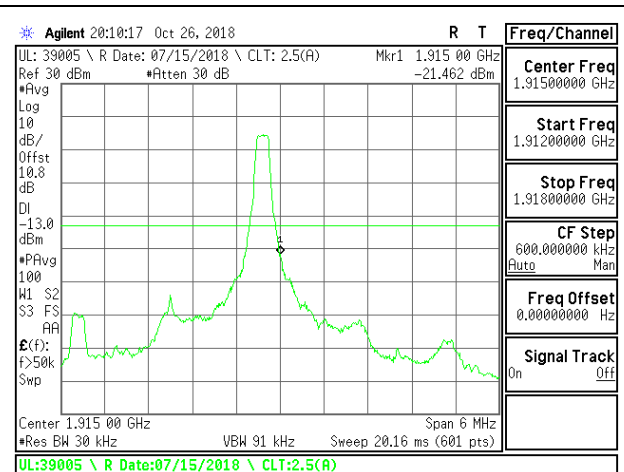
LTE B25 3MHz QPSK Low Channel RB15-0



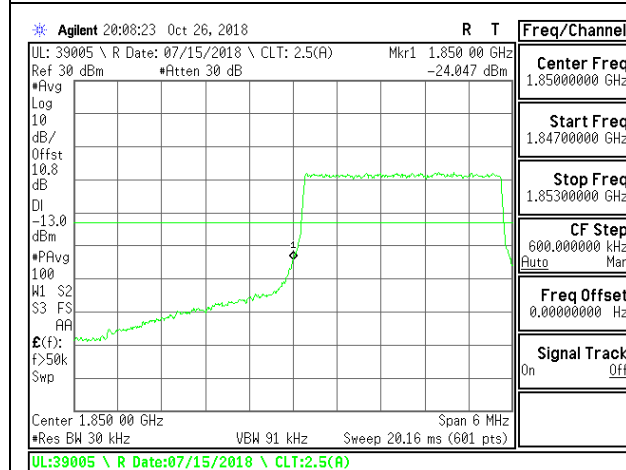
LTE B25 3MHz QPSK High Channel RB15-0



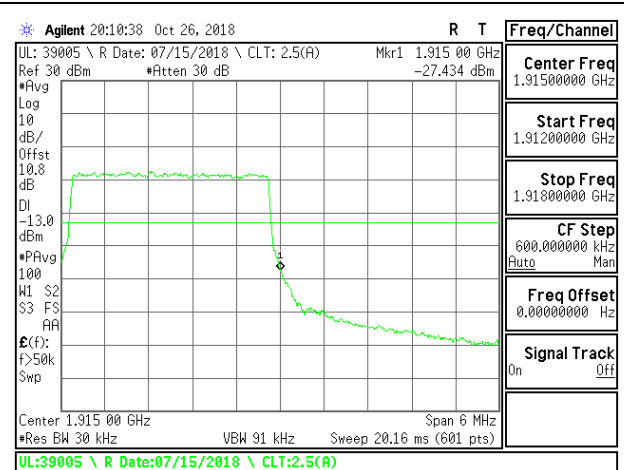
LTE B25 3MHz 16QAM Low Channel RB1-0



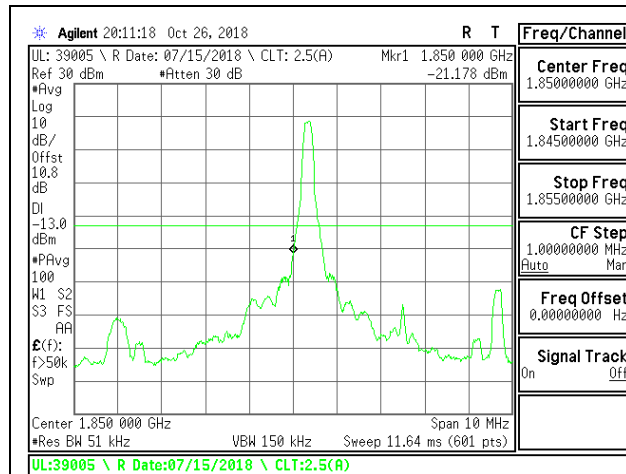
LTE B25 3MHz 16QAM High Channel RB1-14



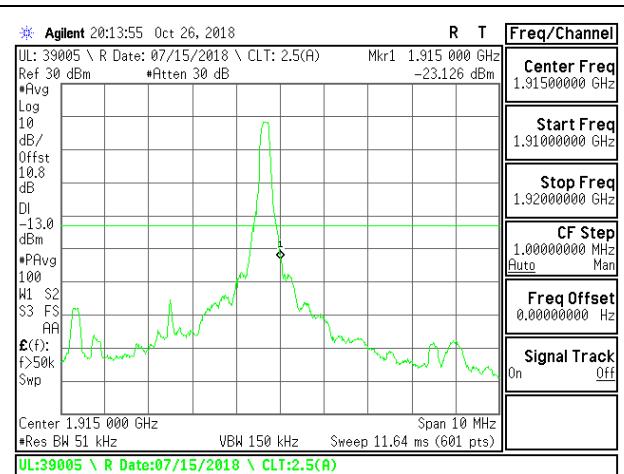
LTE B25 3MHz 16QAM Low Channel RB15-0



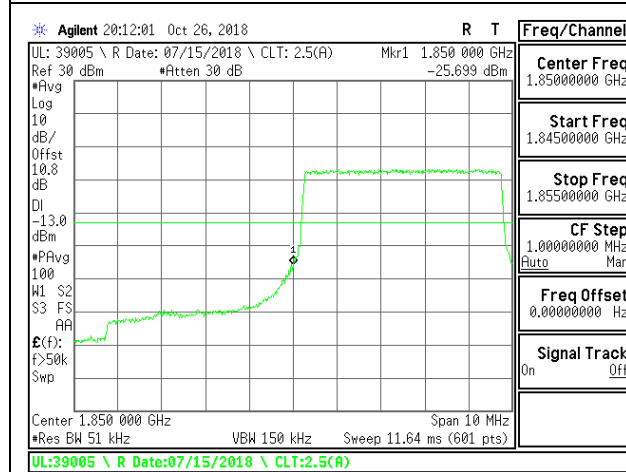
LTE B25 3MHz 16QAM High Channel RB15-0



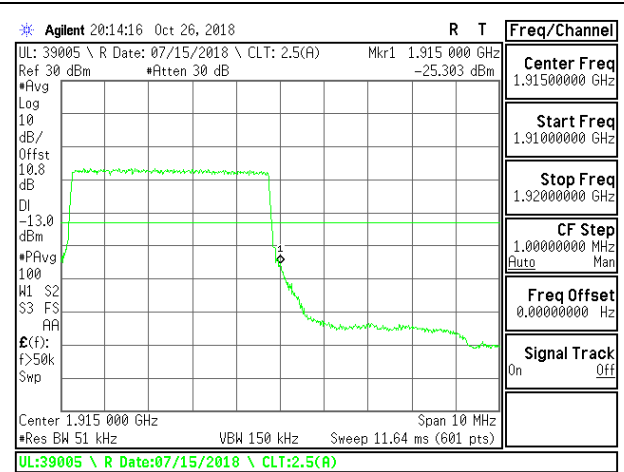
LTE B25 5MHz QPSK Low Channel RB1-0



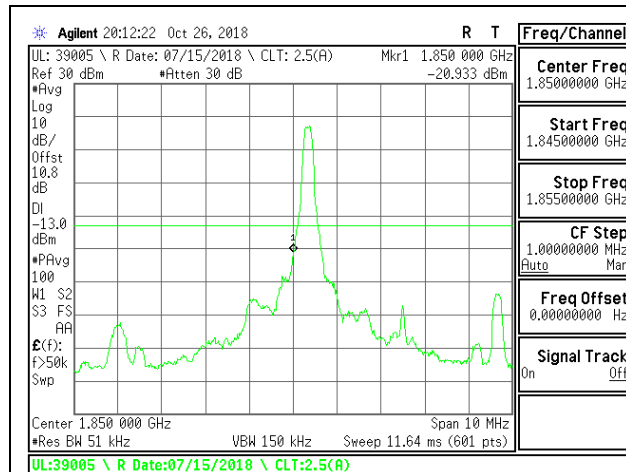
LTE B25 5MHz QPSK High Channel RB1-24



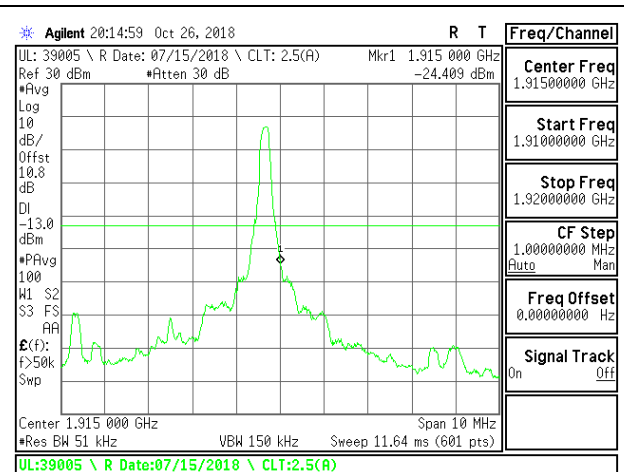
LTE B25 5MHz QPSK Low Channel RB25-0



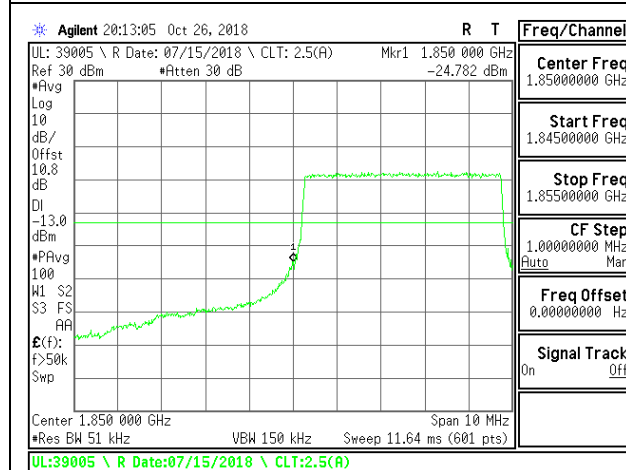
LTE B25 5MHz QPSK High Channel RB25-0



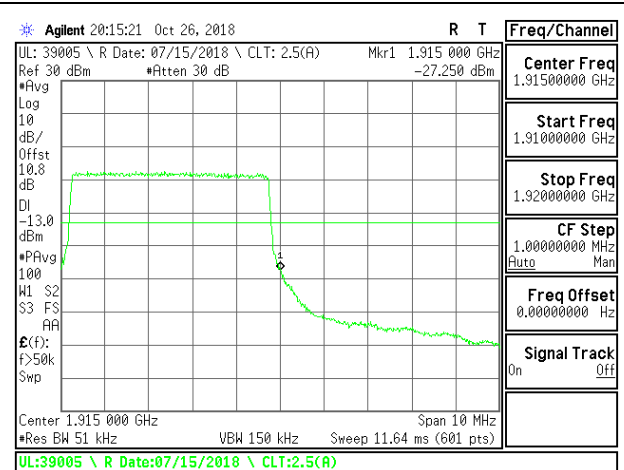
LTE B25 5MHz 16QAM Low Channel RB1-0



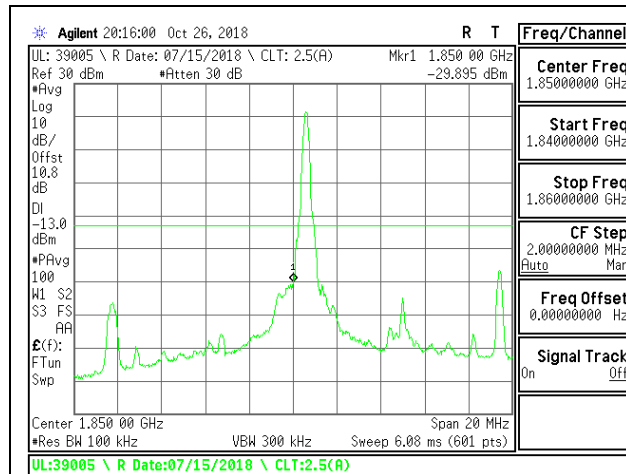
LTE B25 5MHz 16QAM High Channel RB1-24



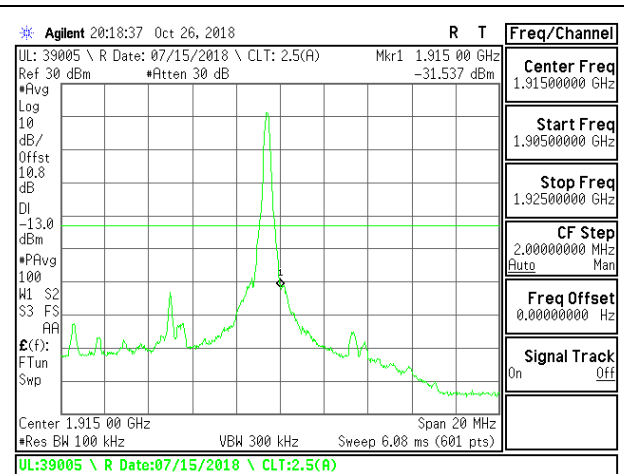
LTE B25 5MHz 16QAM Low Channel RB25-0



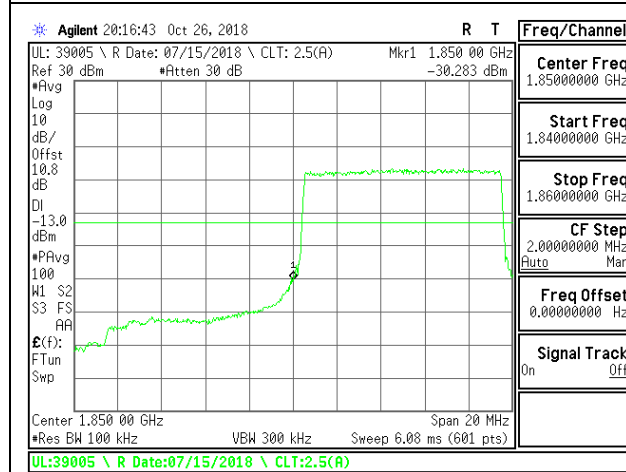
LTE B25 5MHz 16QAM High Channel RB25-0



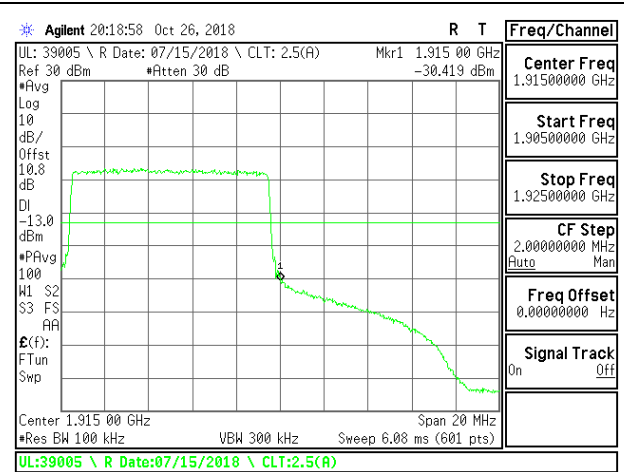
LTE B25 10MHz QPSK Low Channel RB1-0



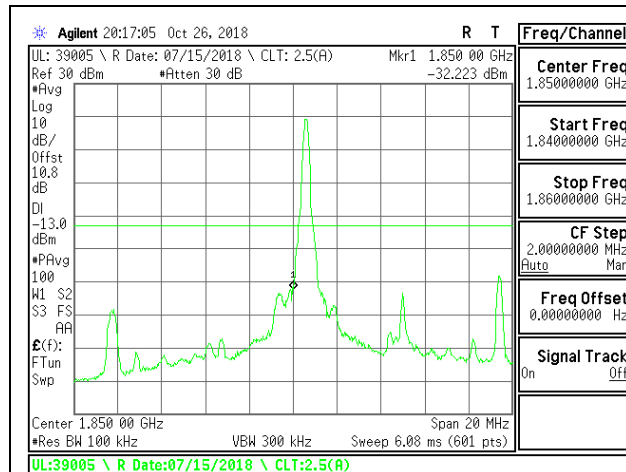
LTE B25 10MHz QPSK High Channel RB1-49



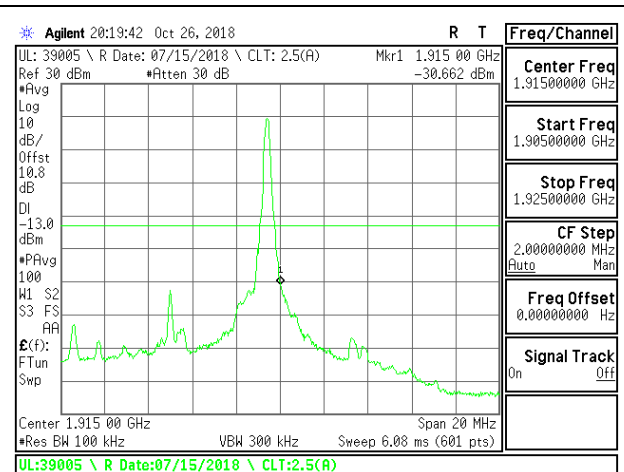
LTE B25 10MHz QPSK Low Channel RB50-0



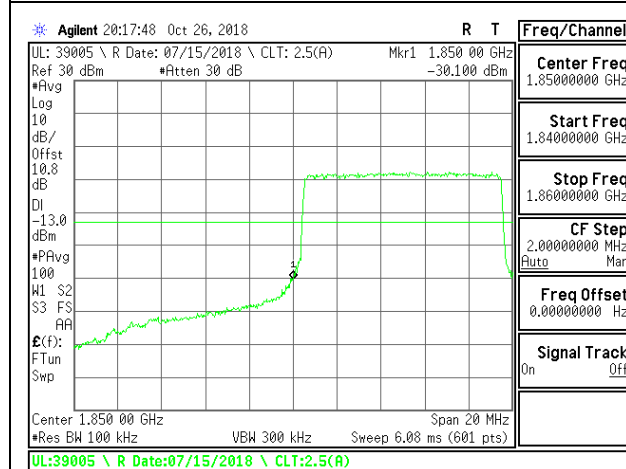
LTE B25 10MHz QPSK High Channel RB50-0



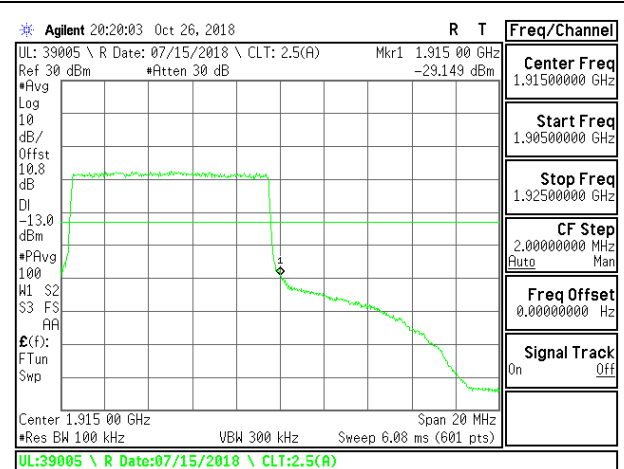
LTE B25 10MHz 16QAM Low Channel RB1-0



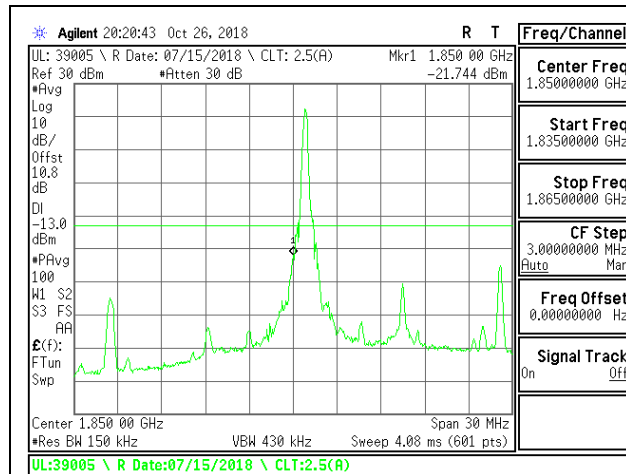
LTE B25 10MHz 16QAM High Channel RB1-49



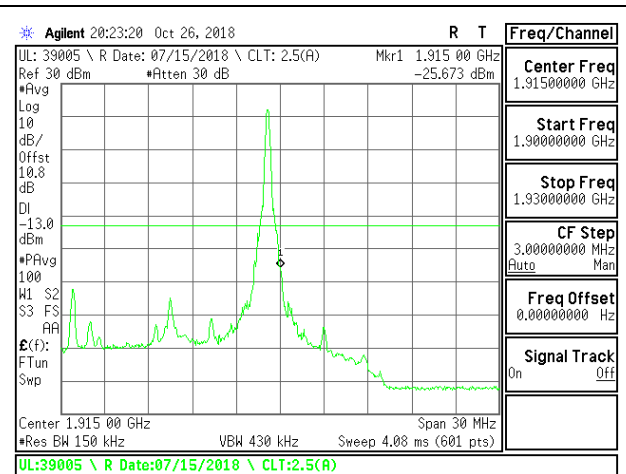
LTE B25 10MHz 16QAM Low Channel RB50-0



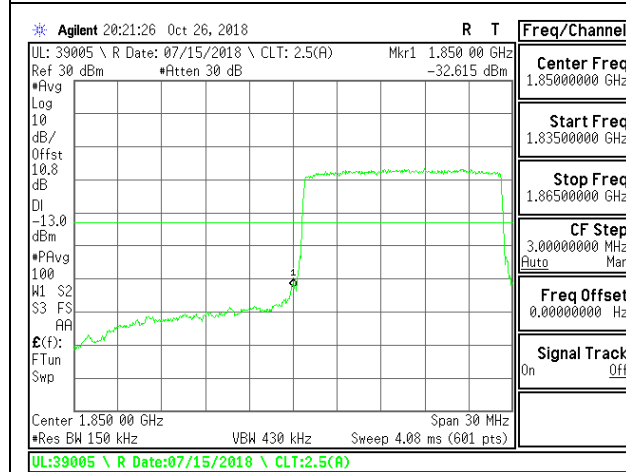
LTE B25 10MHz 16QAM High Channel RB50-0



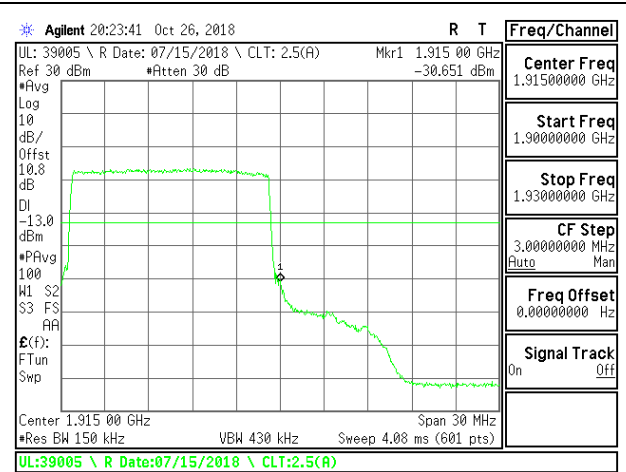
LTE B25 15MHz QPSK Low Channel RB1-0



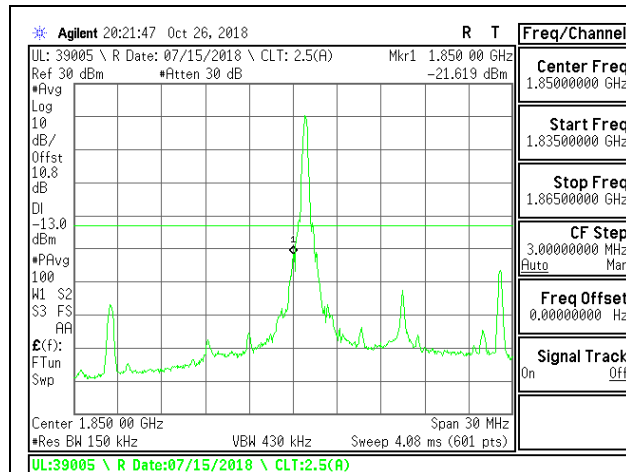
LTE B25 15MHz QPSK High Channel RB1-74



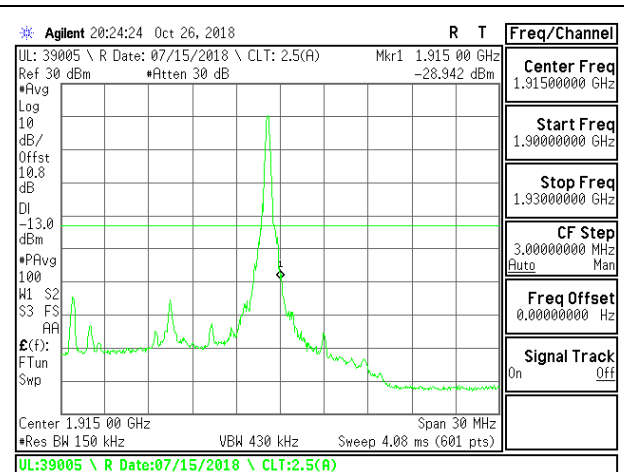
LTE B25 15MHz QPSK Low Channel RB75-0



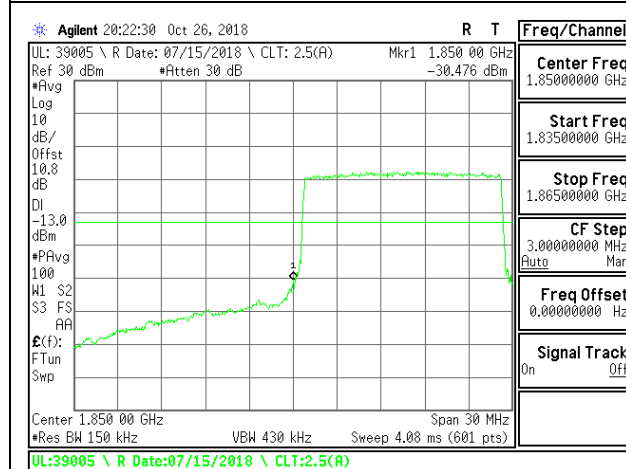
LTE B25 15MHz QPSK High Channel RB75-0



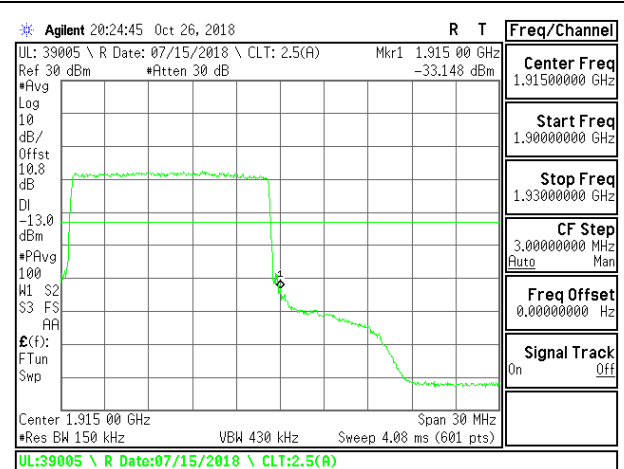
LTE B25 15MHz 16QAM Low Channel RB1-0



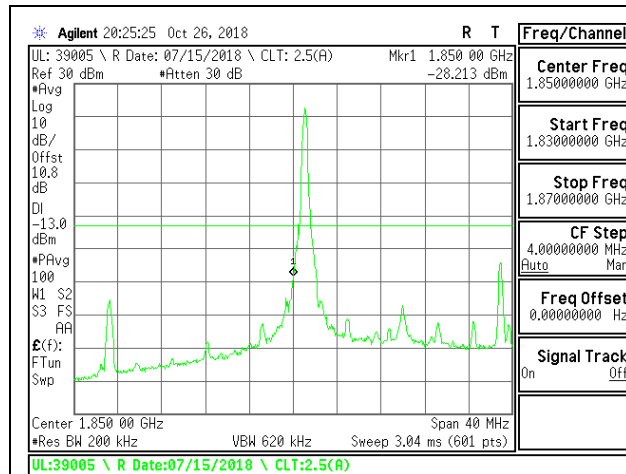
LTE B25 15MHz 16QAM High Channel RB1-74



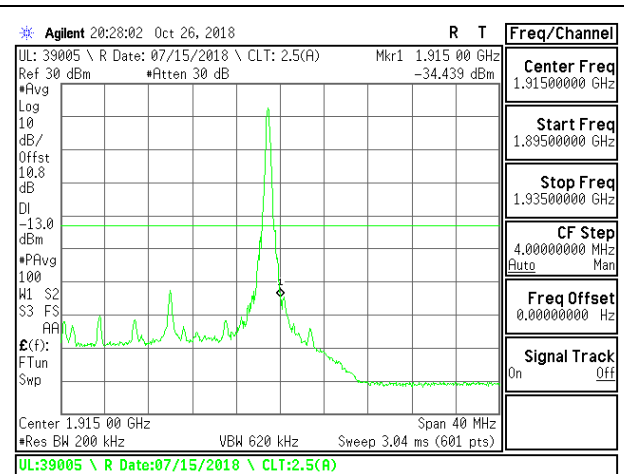
LTE B25 15MHz 16QAM Low Channel RB75-0



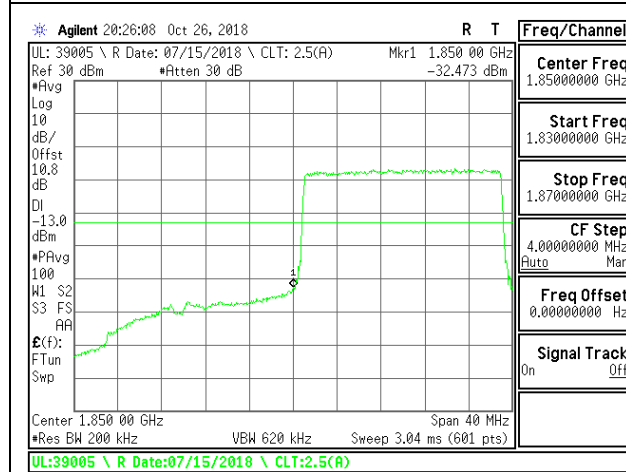
LTE B25 15MHz 16QAM High Channel RB75-0



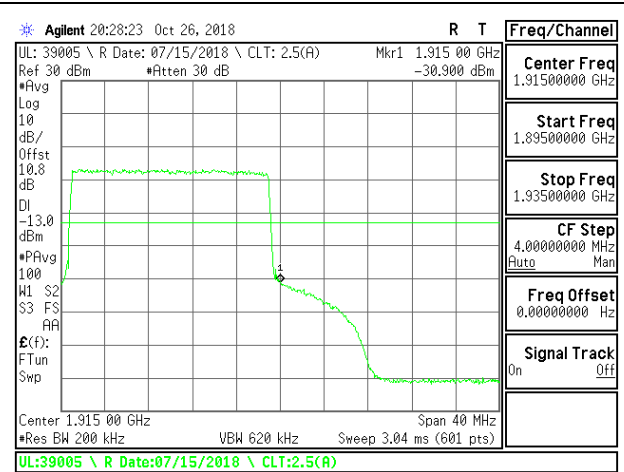
LTE B25 20MHz QPSK Low Channel RB1-0



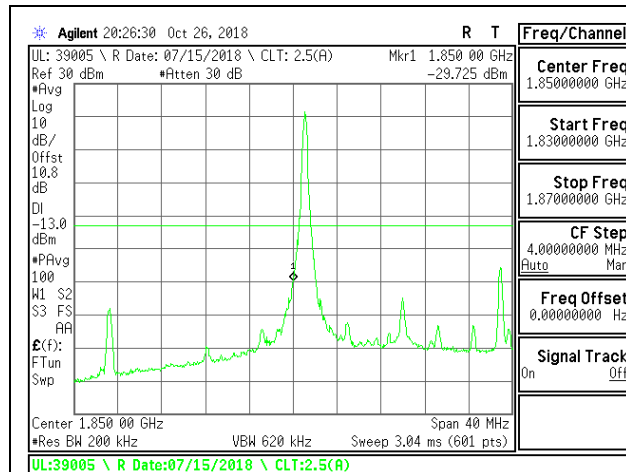
LTE B25 20MHz QPSK High Channel RB1-99



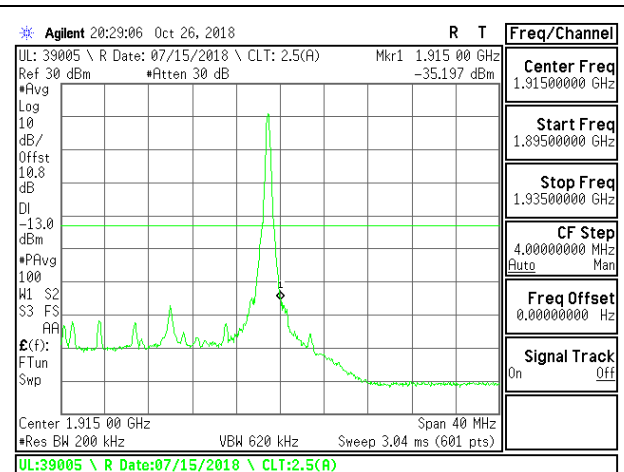
LTE B25 20MHz QPSK Low Channel RB100-0



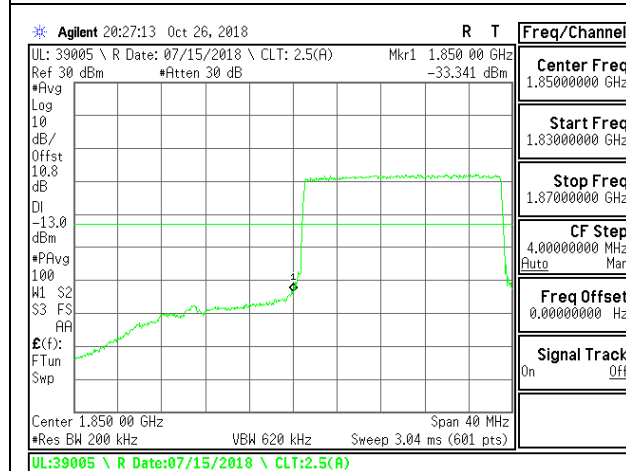
LTE B25 20MHz QPSK High Channel RB100-0



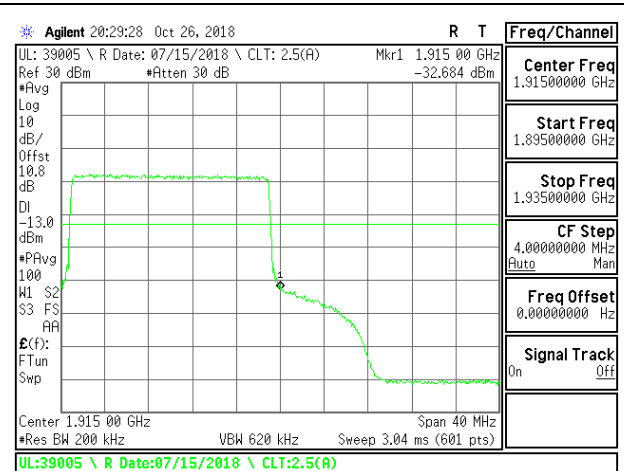
LTE B25 20MHz 16QAM Low Channel RB1-0



LTE B25 20MHz 16QAM High Channel RB1-99

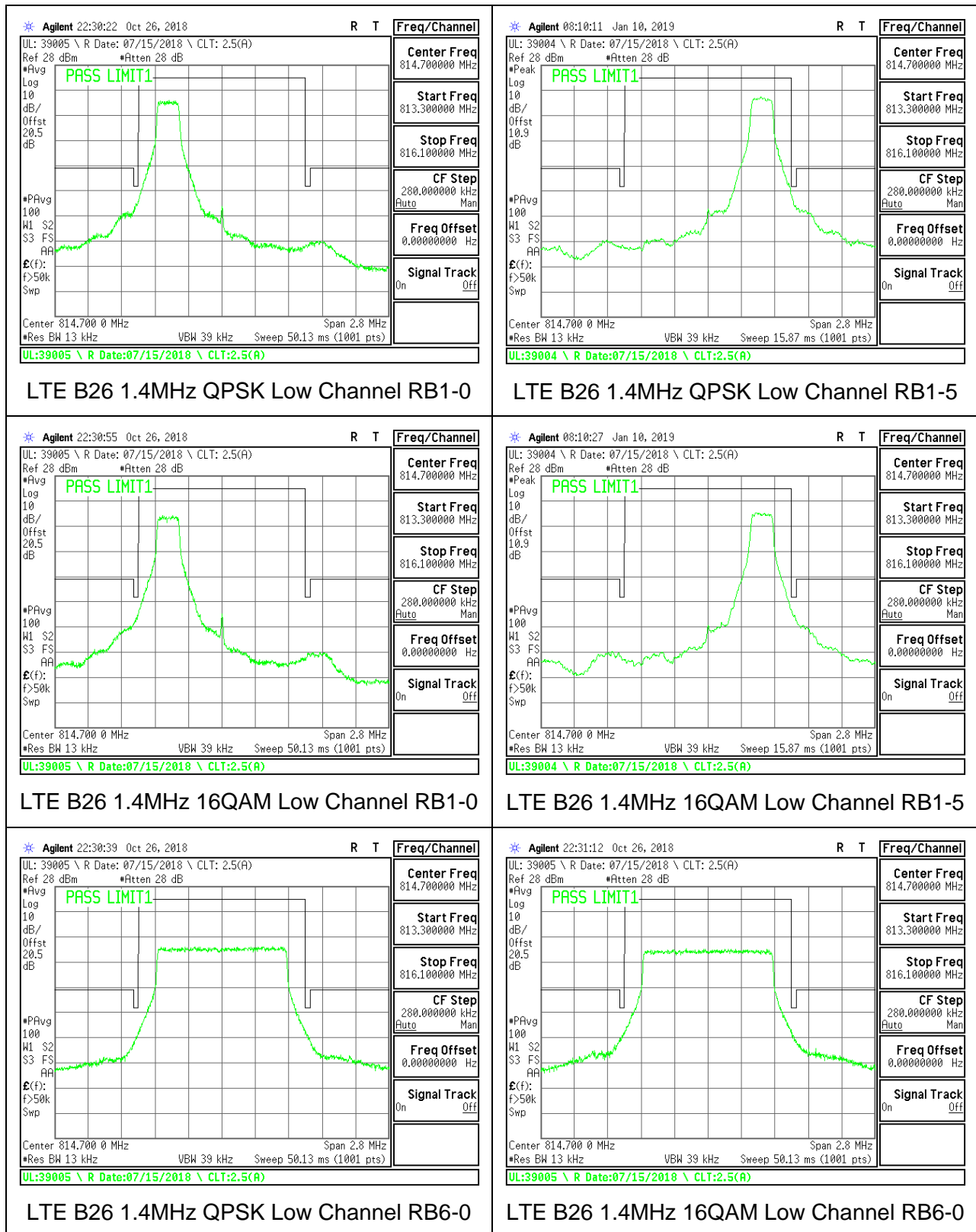


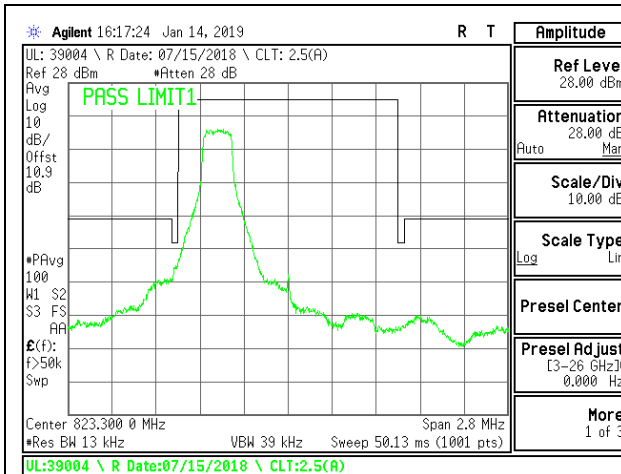
LTE B25 20MHz 16QAM Low Channel RB100-0



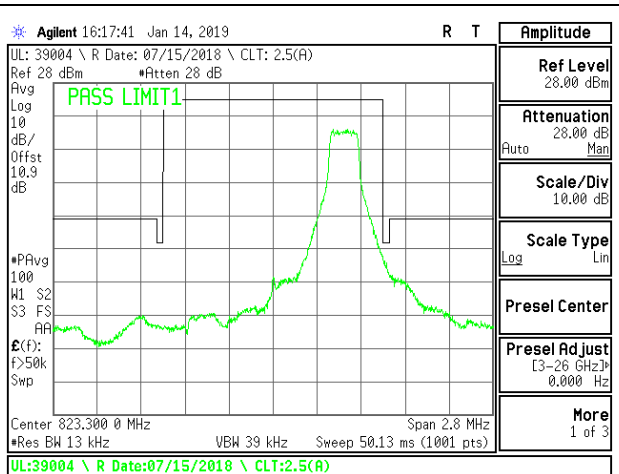
LTE B25 20MHz 16QAM High Channel RB100-0

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

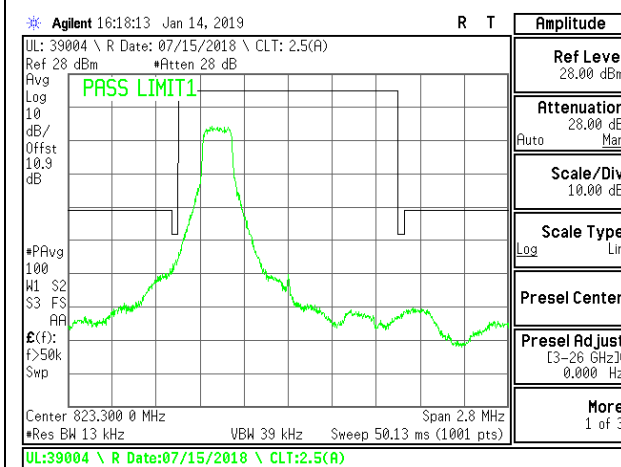




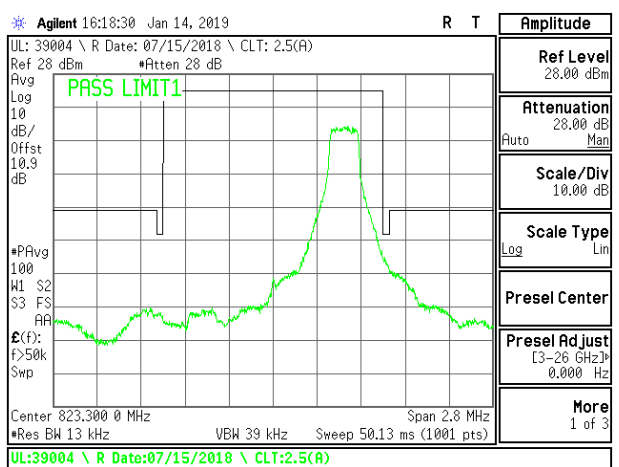
LTE B26 1.4MHz QPSK High Channel RB1-0



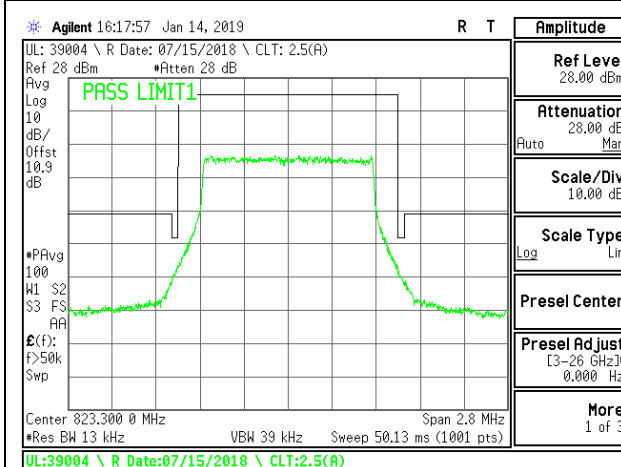
LTE B26 1.4MHz QPSK High Channel RB1-5



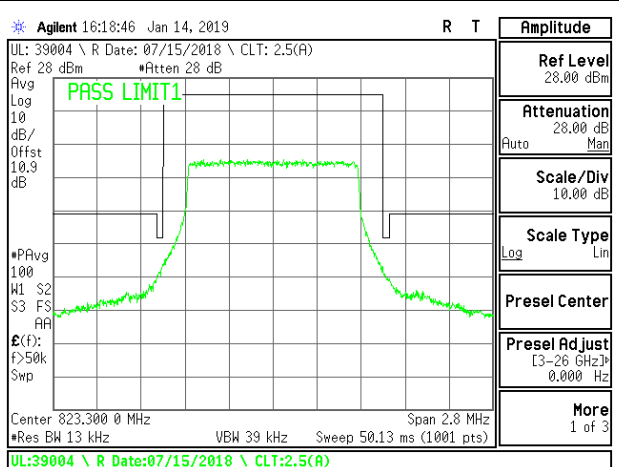
LTE B26 1.4MHz 16QAM High Channel RB1-0



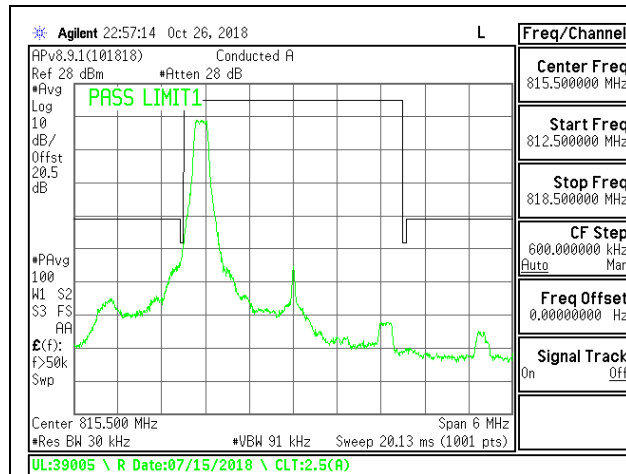
LTE B26 1.4MHz 16QAM High Channel RB1-5



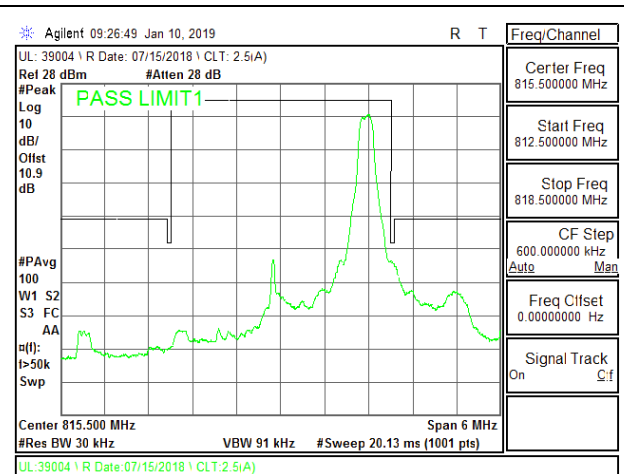
LTE B26 1.4MHz QPSK High Channel RB6-0



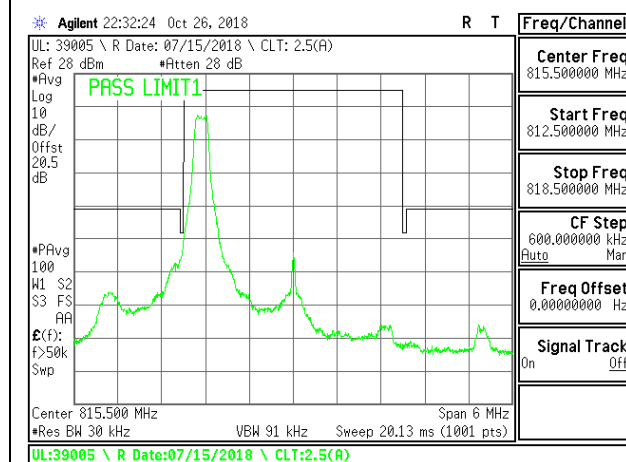
LTE B26 1.4MHz 16QAM High Channel RB6-0



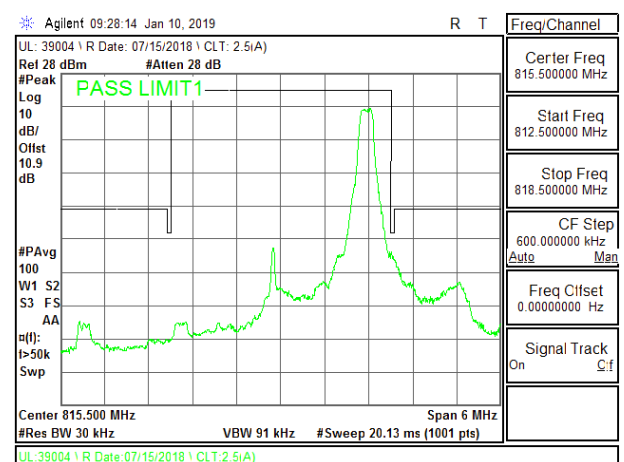
LTE B26 3MHz QPSK Low Channel RB1-0



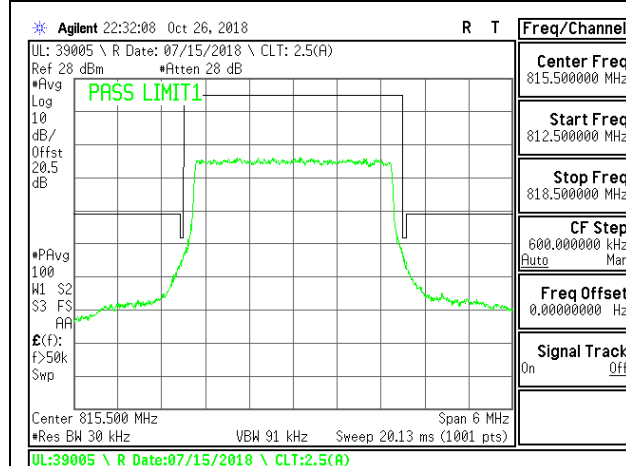
LTE B26 3MHz QPSK Low Channel RB1-14



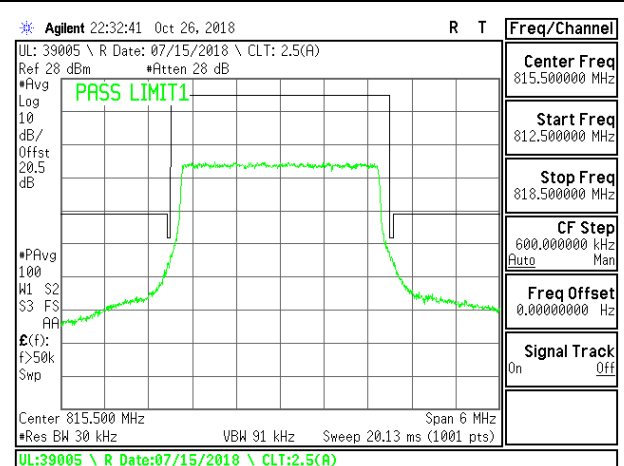
LTE B26 3MHz 16QAM Low Channel RB1-0



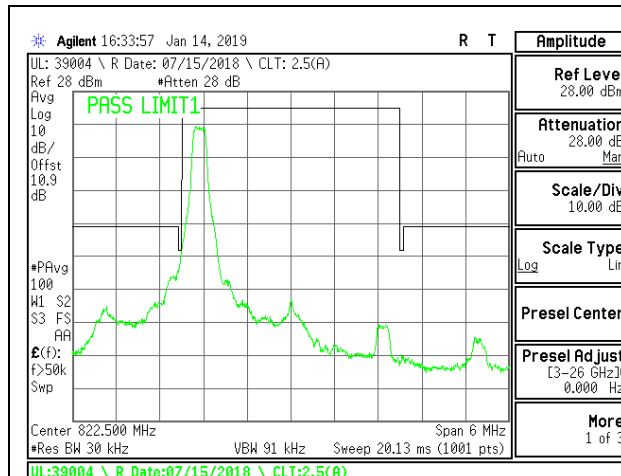
LTE B26 3MHz 16QAM Low Channel RB1-14



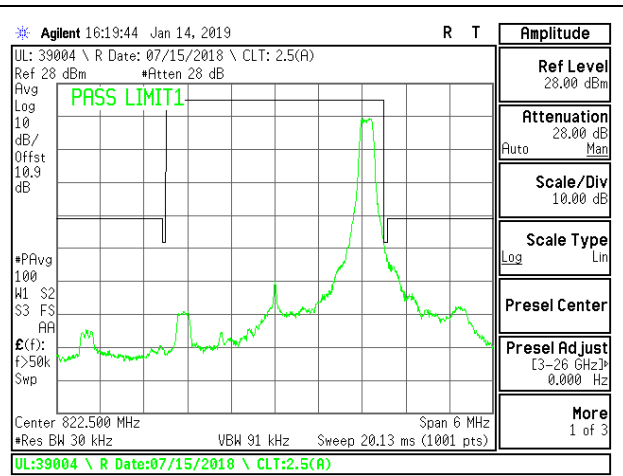
LTE B26 3MHz QPSK Low Channel RB15-0



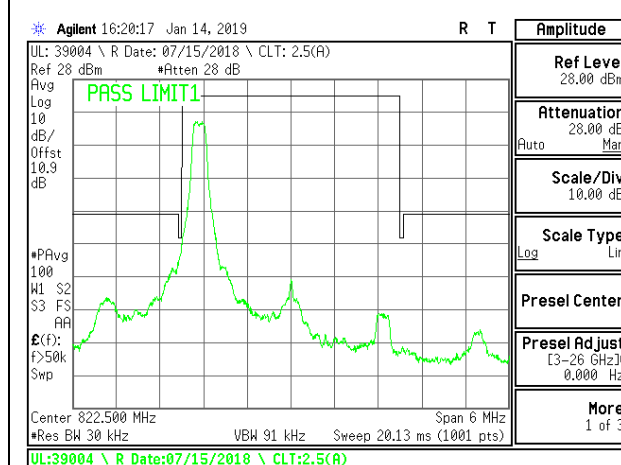
LTE B26 3MHz 16QAM Low Channel RB15-0



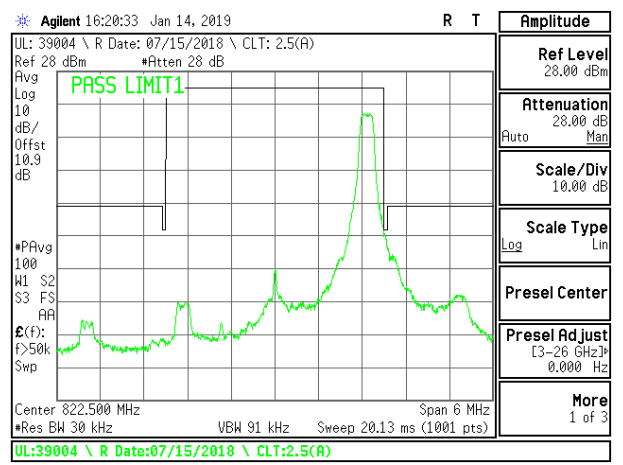
LTE B26 3MHz QPSK High Channel RB1-0



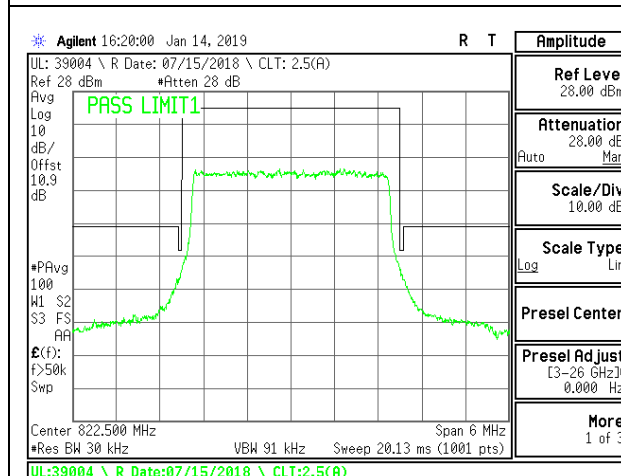
LTE B26 3MHz QPSK High Channel RB1-14



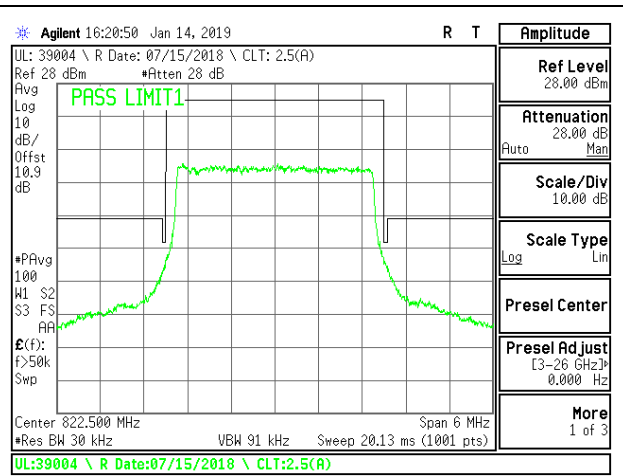
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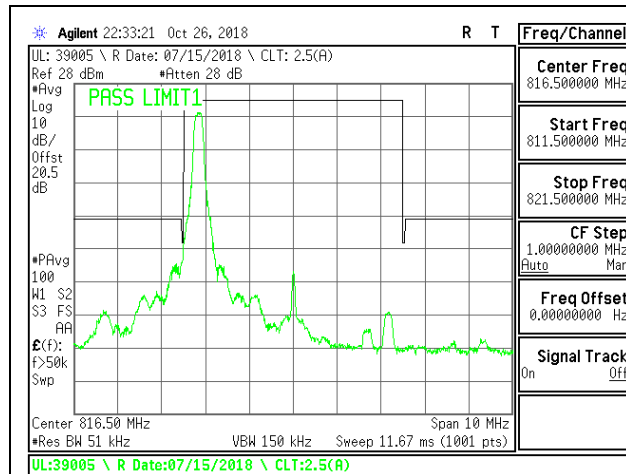
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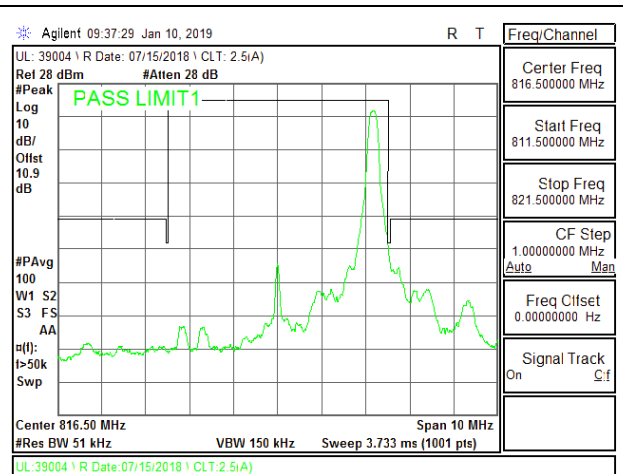
LTE B26 3MHz QPSK High Channel RB15-0



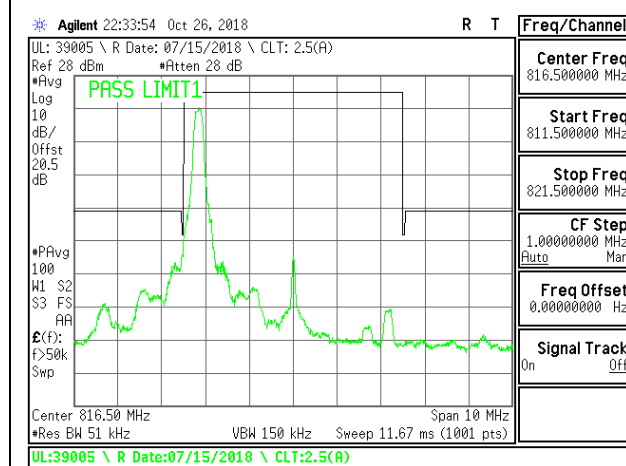
LTE B26 3MHz 16QAM High Channel RB15-0



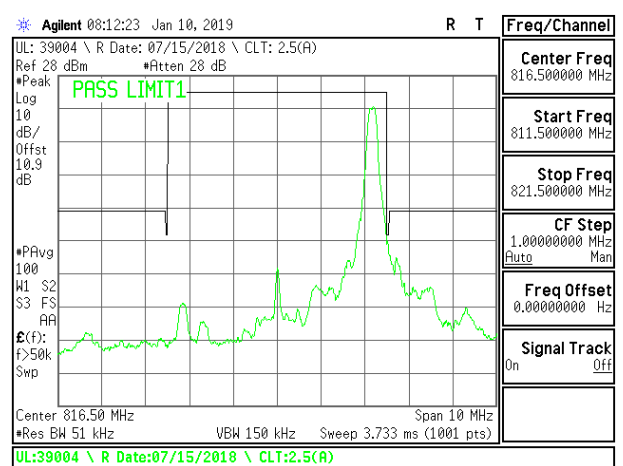
LTE B26 5MHz QPSK Low Channel RB1-0



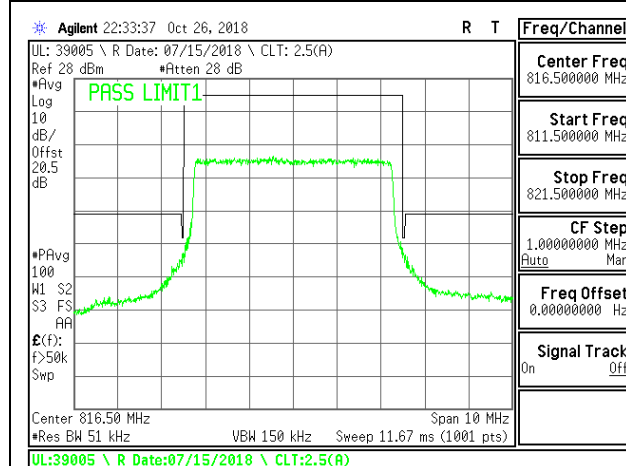
LTE B26 5MHz QPSK Low Channel RB1-24



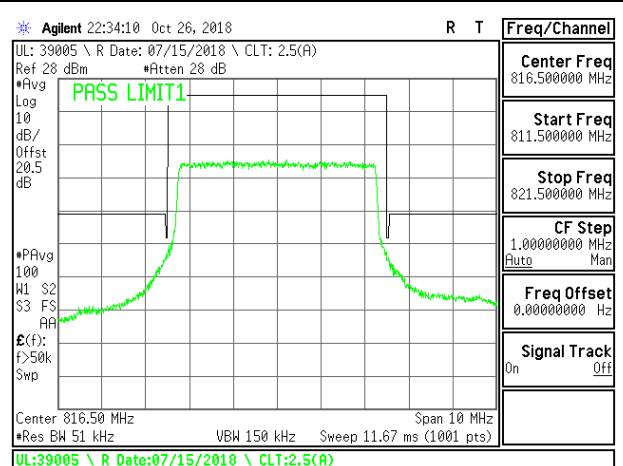
LTE B26 5MHz 16QAM Low Channel RB1-0



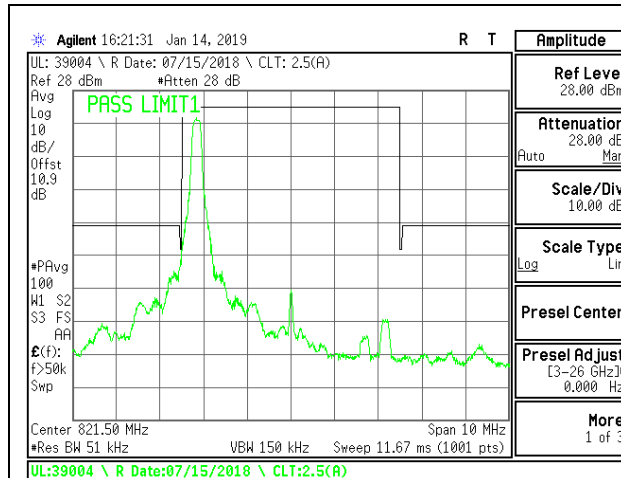
LTE B26 5MHz 16QAM Low Channel RB1-24



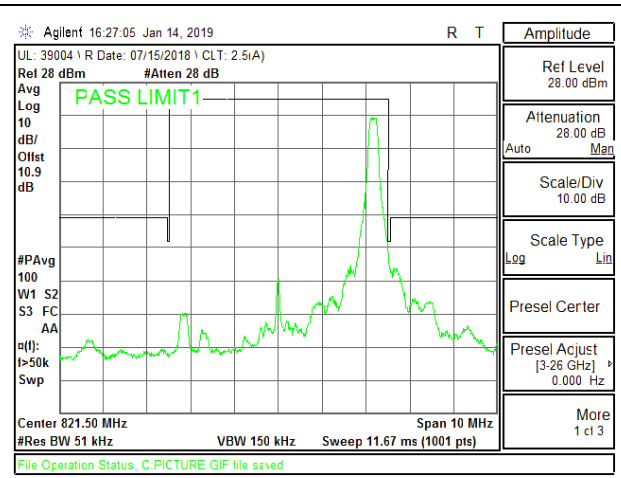
LTE B26 5MHz QPSK Low Channel RB25-0



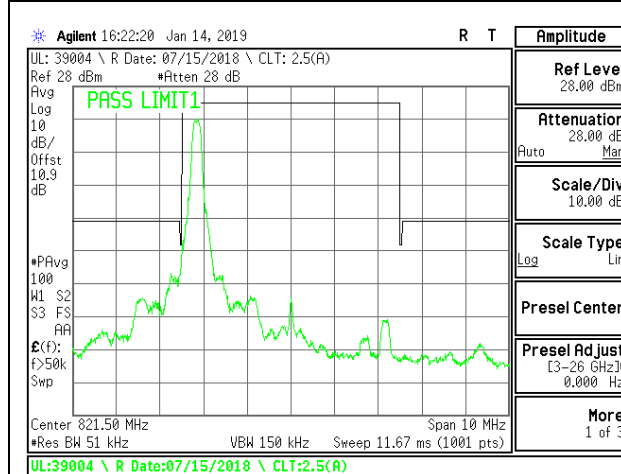
LTE B26 5MHz 16QAM Low Channel RB25-0



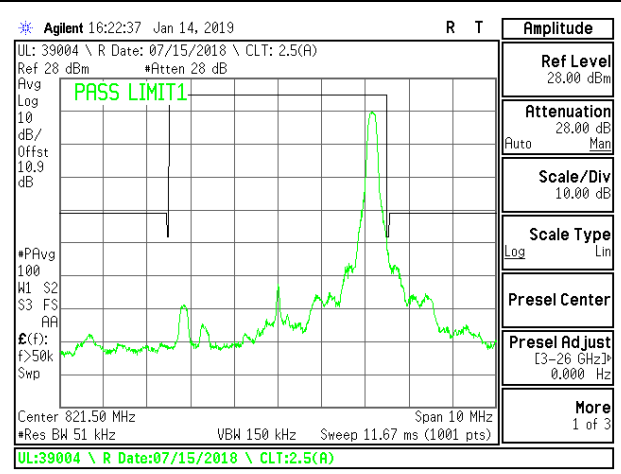
LTE B26 5MHz QPSK High Channel RB1-0



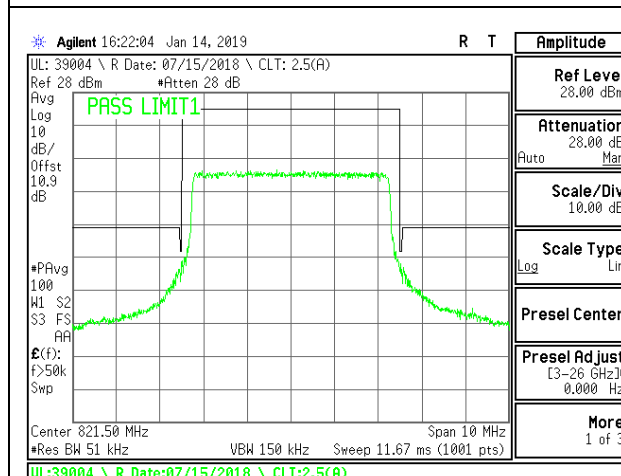
LTE B26 5MHz QPSK High Channel RB1-24



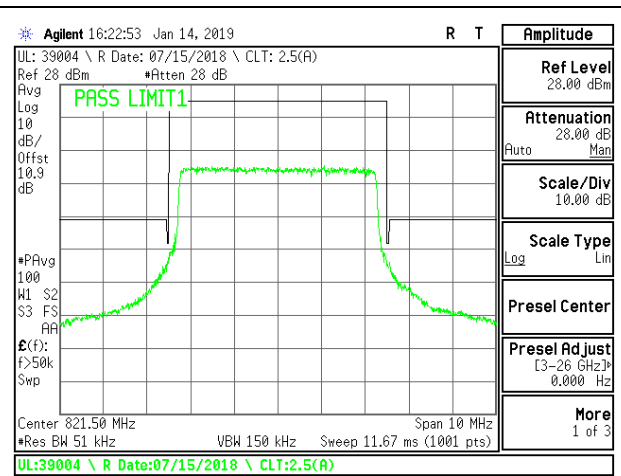
LTE B26 5MHz 16QAM High Channel RB1-0



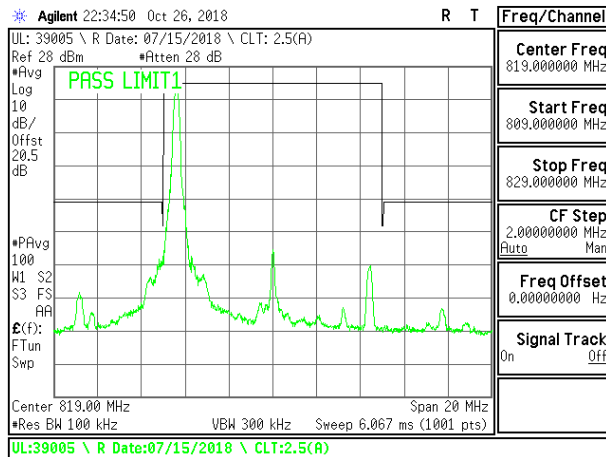
LTE B26 5MHz 16QAM High Channel RB1-24



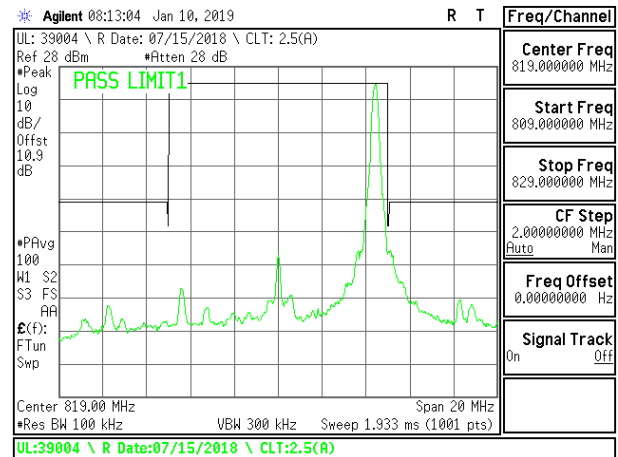
LTE B26 5MHz QPSK High Channel RB25-0



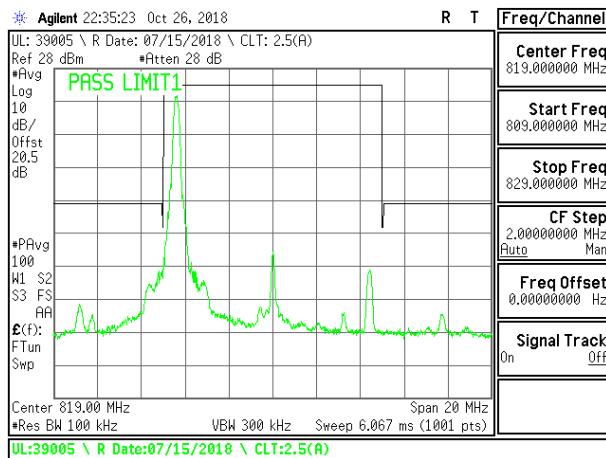
LTE B26 5MHz 16QAM High Channel RB25-0



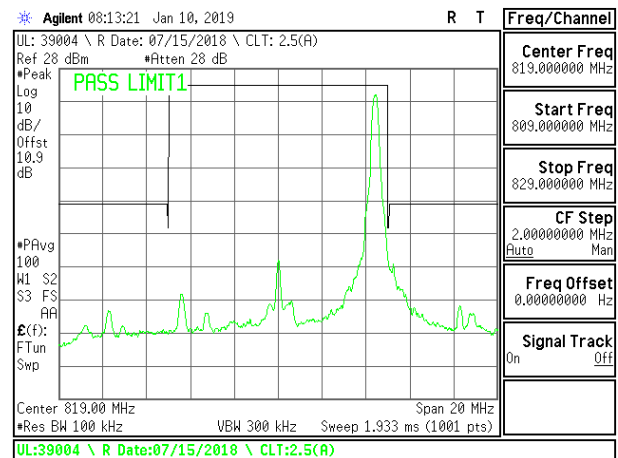
LTE B26 10MHz QPSK Middle Channel RB1-0



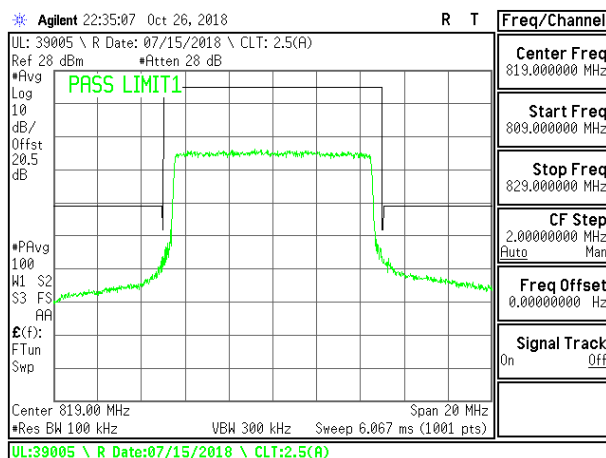
LTE B26 10MHz QPSK Middle Channel RB1-49



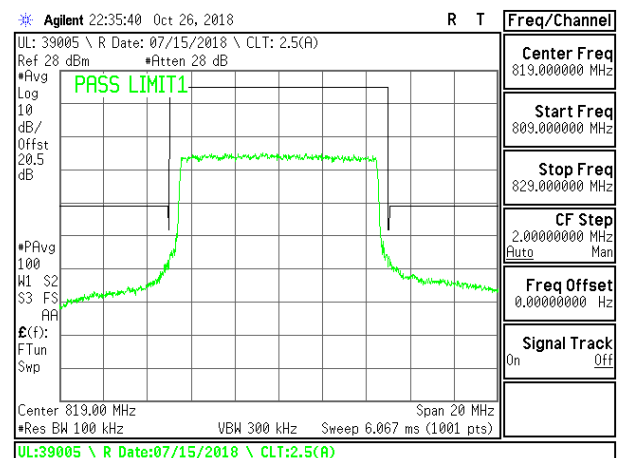
LTE B26 10MHz 16QAM Middle Channel RB1-0



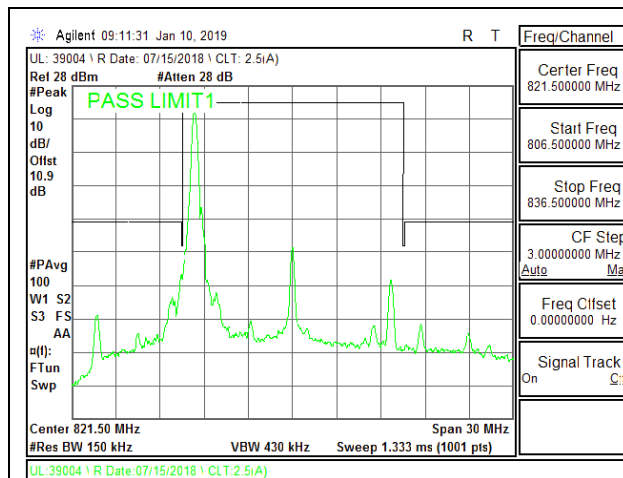
LTE B26 10MHz 16QAM Middle Channel RB1-49



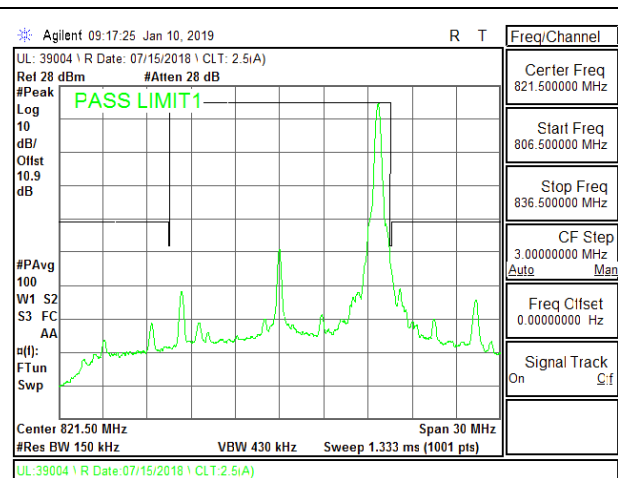
LTE B26 10MHz QPSK Middle Channel RB50-0



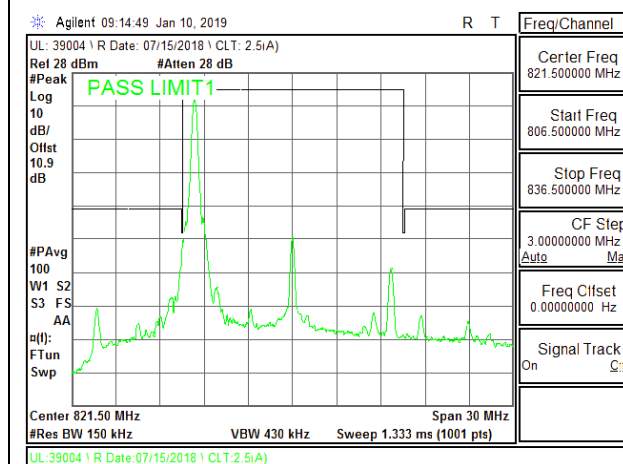
LTE B26 10MHz 16QAM Middle Channel RB50-0



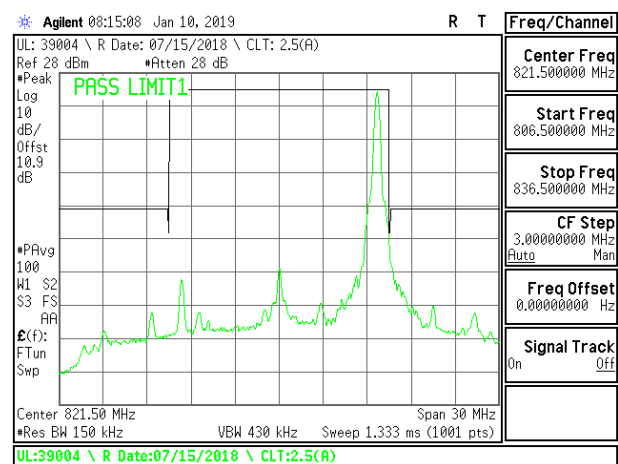
LTE B26 15MHz QPSK Low Channel RB1-0



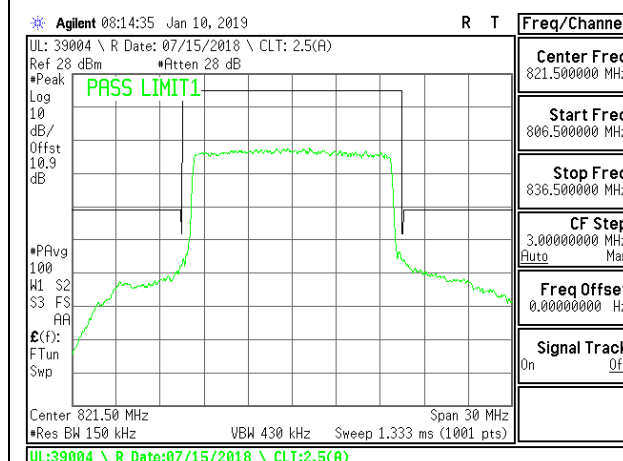
LTE B26 15MHz QPSK Low Channel RB1-74



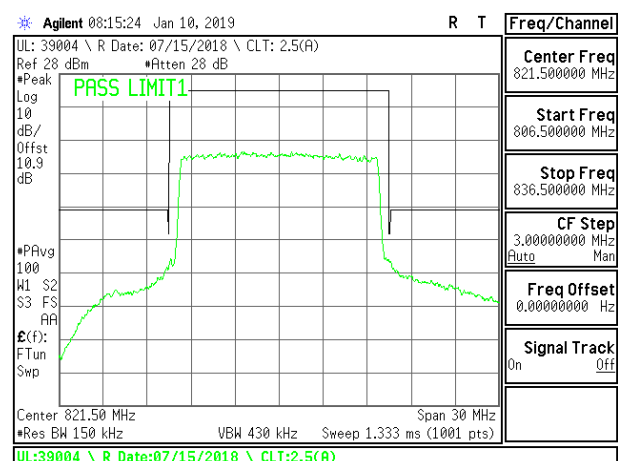
LTE B26 15MHz 16QAM Low Channel RB1-0



LTE B26 15MHz 16QAM Low Channel RB1-74

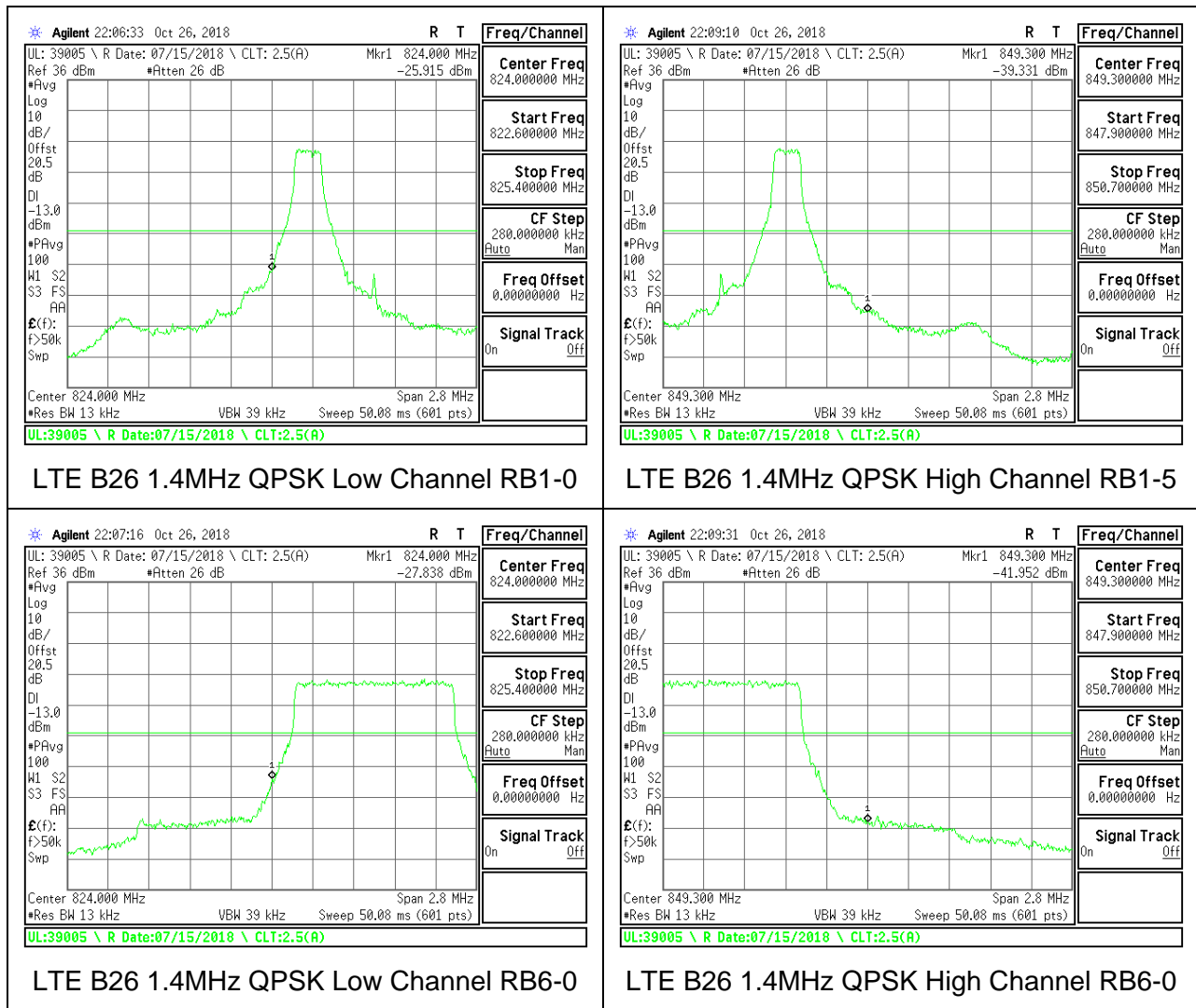


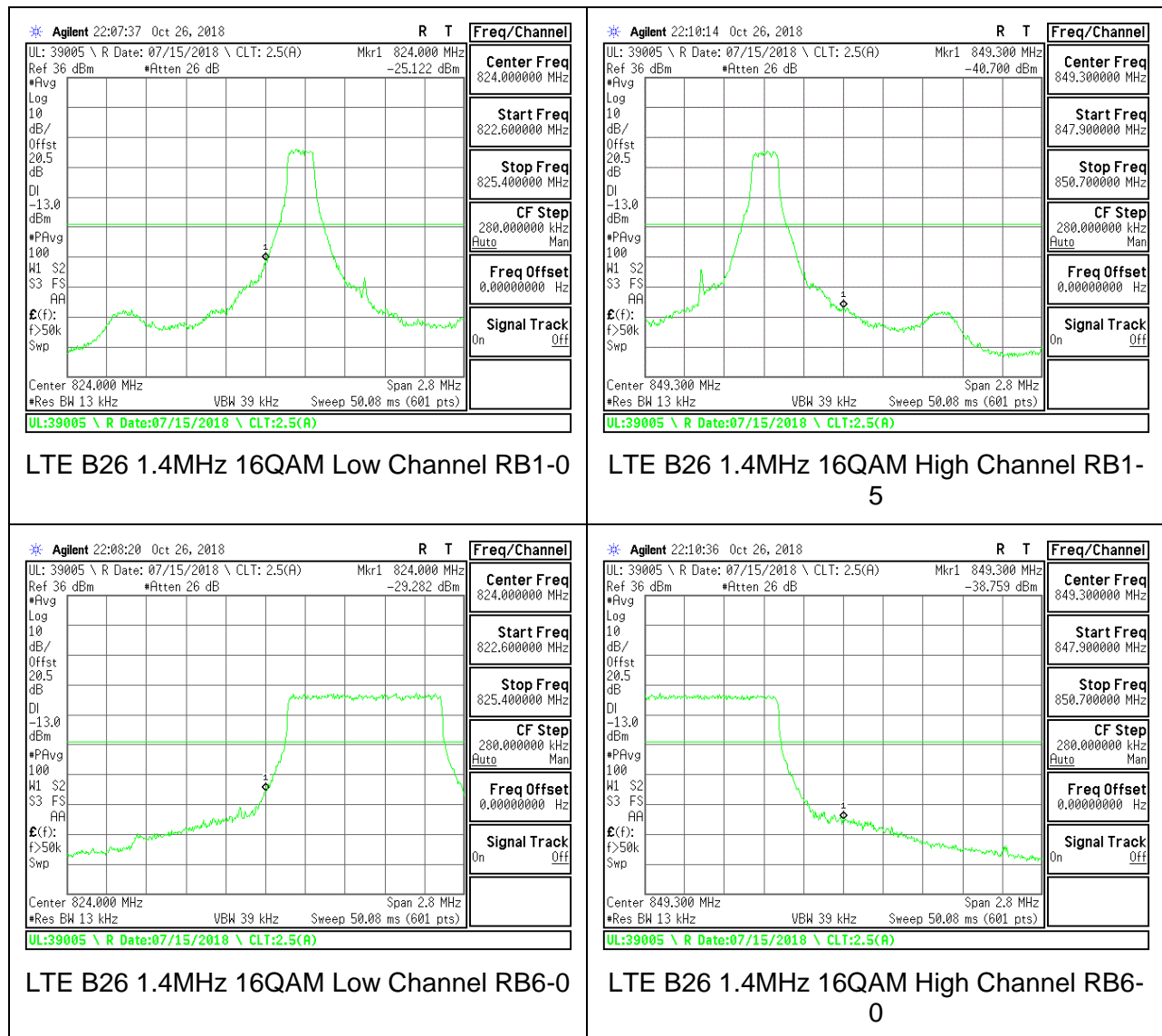
LTE B26 15MHz QPSK Low Channel RB75-0

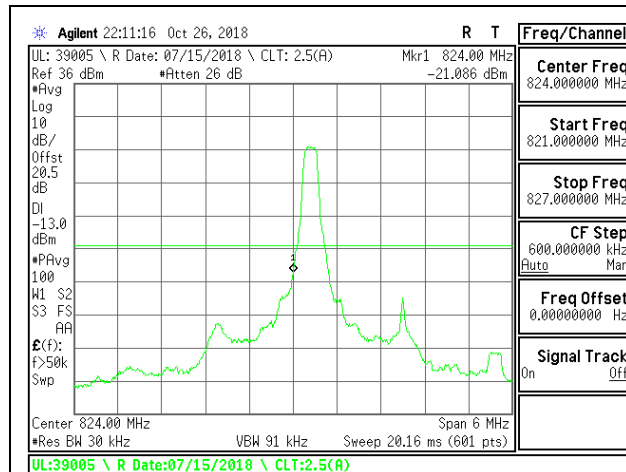


LTE B26 15MHz 16QAM Low Channel RB75-0

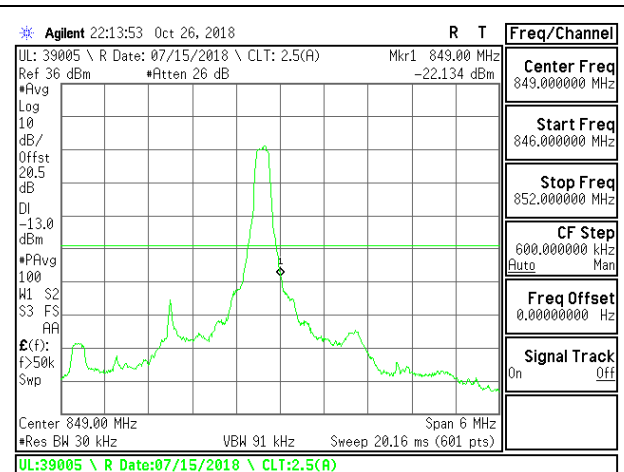
9.2.14. LTE BAND 26 BANDEDGE (FCC PART 22)



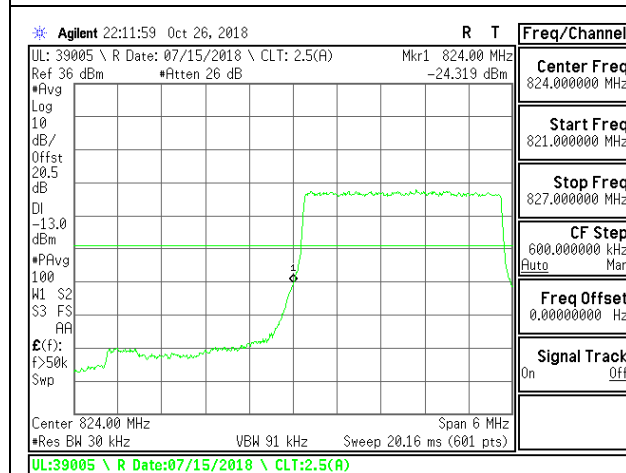




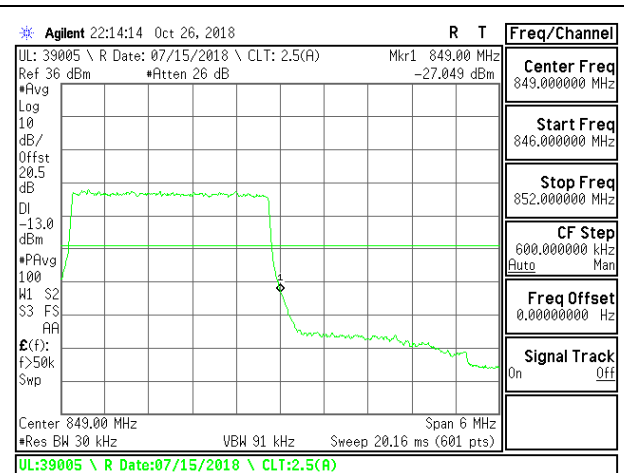
LTE B26 3MHz QPSK Low Channel RB1-0



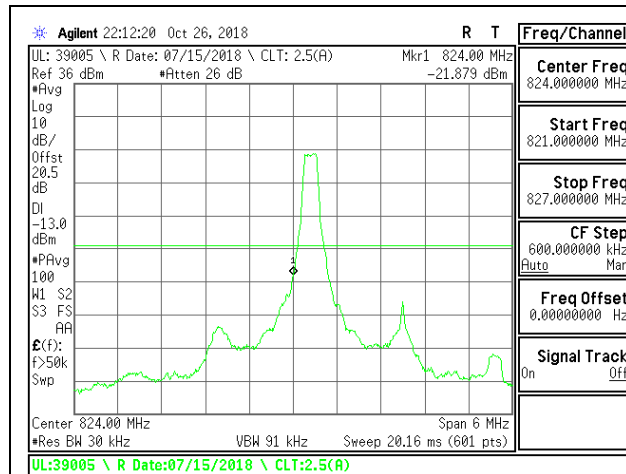
LTE B26 3MHz QPSK High Channel RB1-14



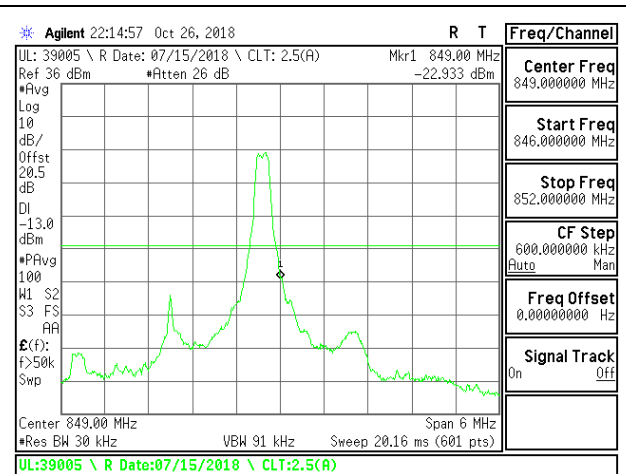
LTE B26 3MHz QPSK Low Channel RB15-0



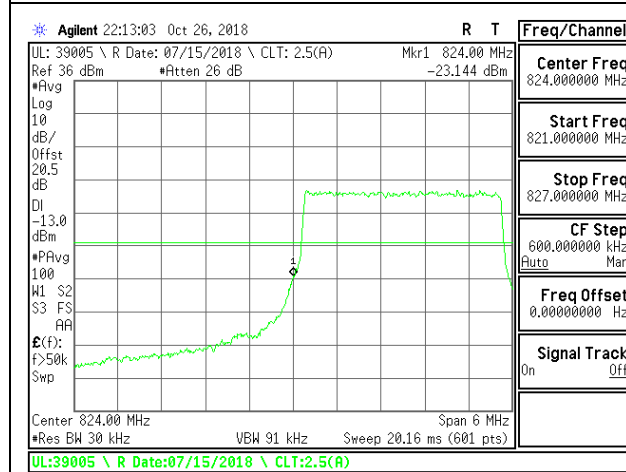
LTE B26 3MHz QPSK High Channel RB15-0



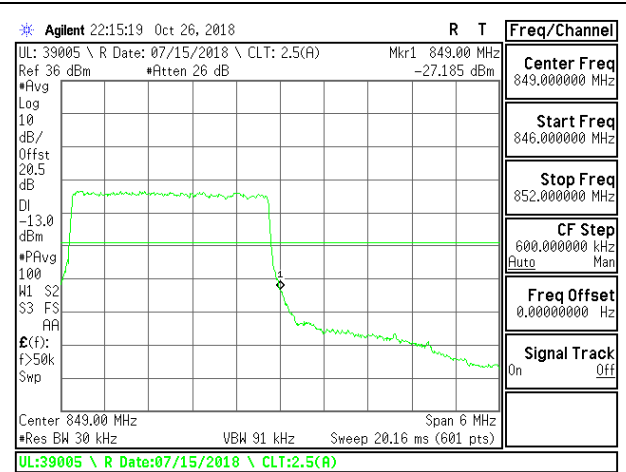
LTE B26 3MHz 16QAM Low Channel RB1-0



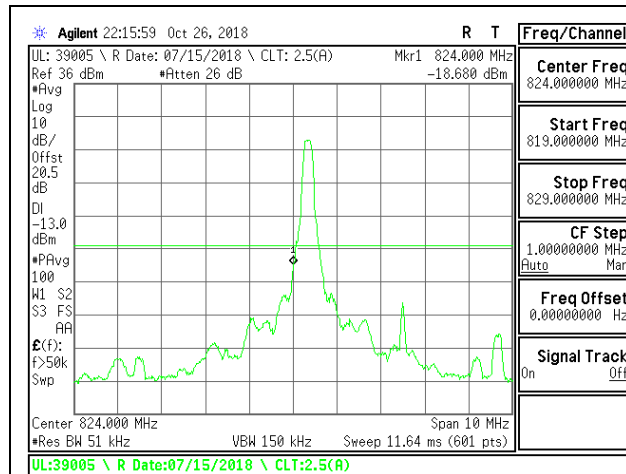
LTE B26 3MHz 16QAM High Channel RB1-14



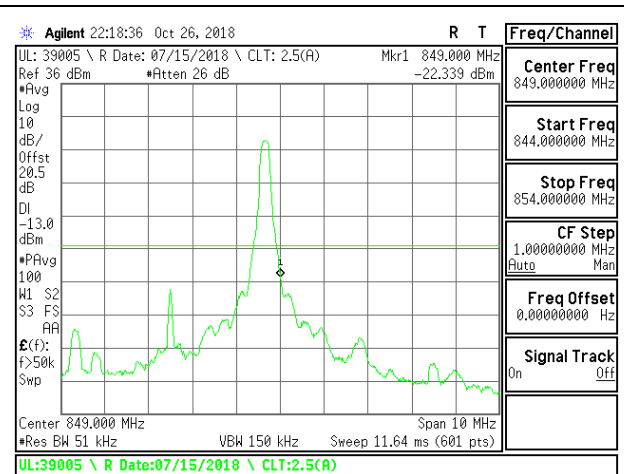
LTE B26 3MHz 16QAM Low Channel RB15-0



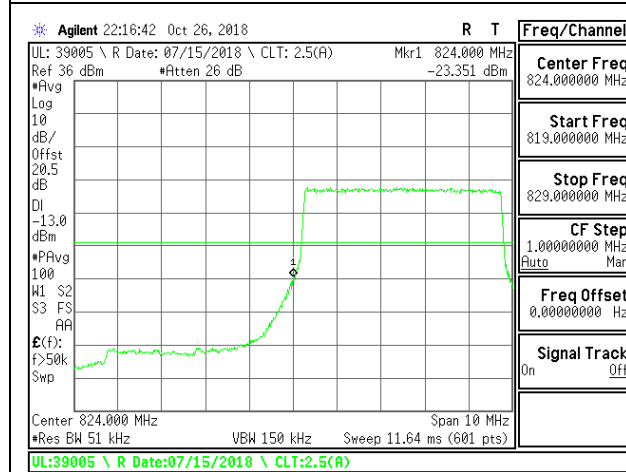
LTE B26 3MHz 16QAM High Channel RB15-0



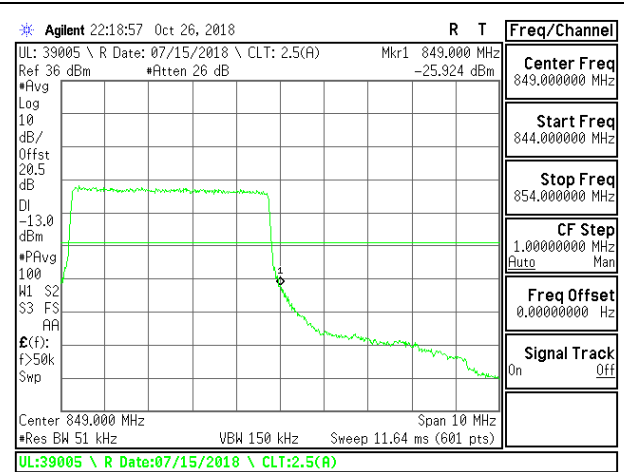
LTE B26 5MHz QPSK Low Channel RB1-0



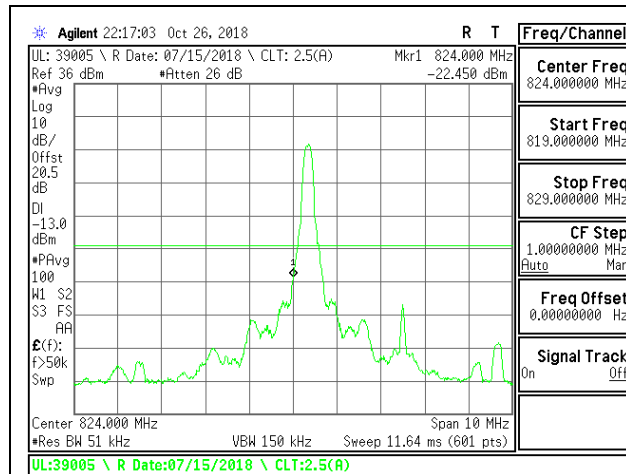
LTE B26 5MHz QPSK High Channel RB1-24



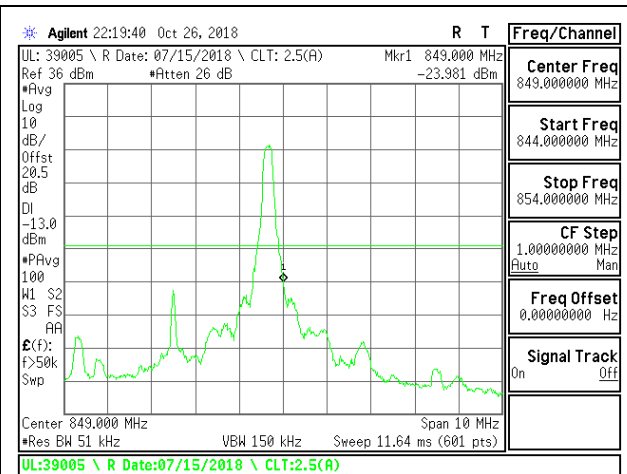
LTE B26 5MHz QPSK Low Channel RB25-0



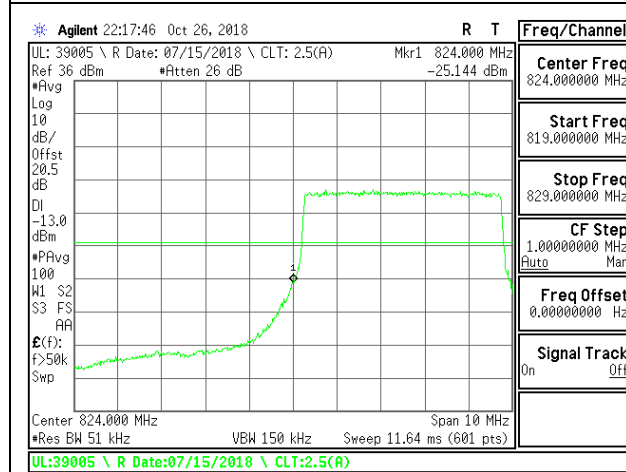
LTE B26 5MHz QPSK High Channel RB25-0



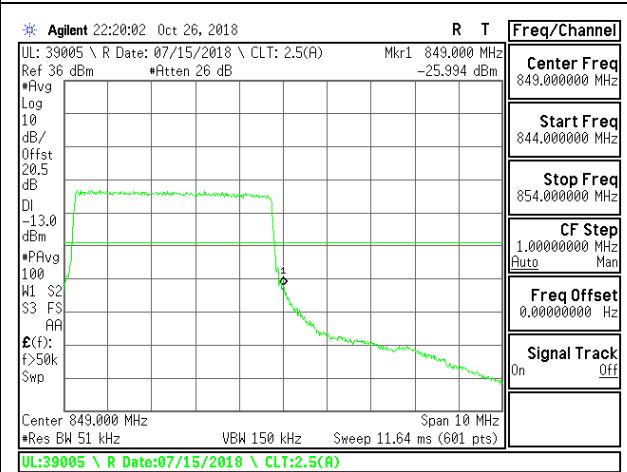
LTE B26 5MHz 16QAM Low Channel RB1-0



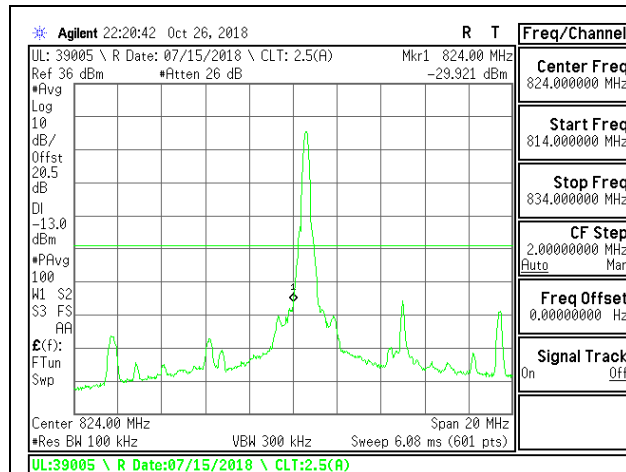
LTE B26 5MHz 16QAM High Channel RB1-24



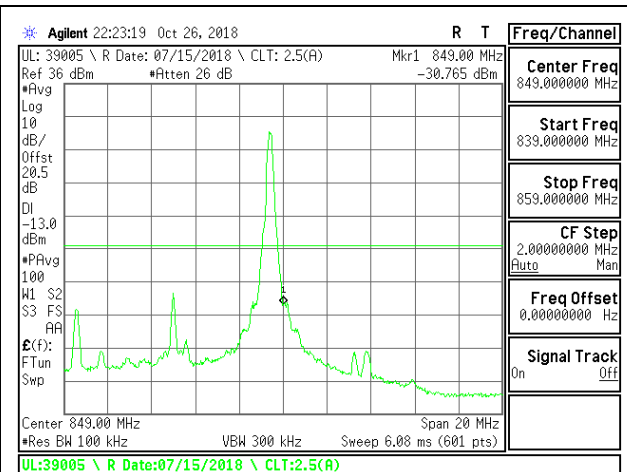
LTE B26 5MHz 16QAM Low Channel RB25-0



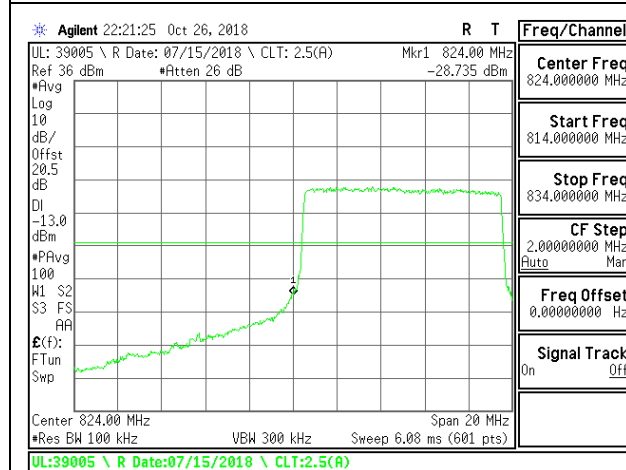
LTE B26 5MHz 16QAM High Channel RB25-0



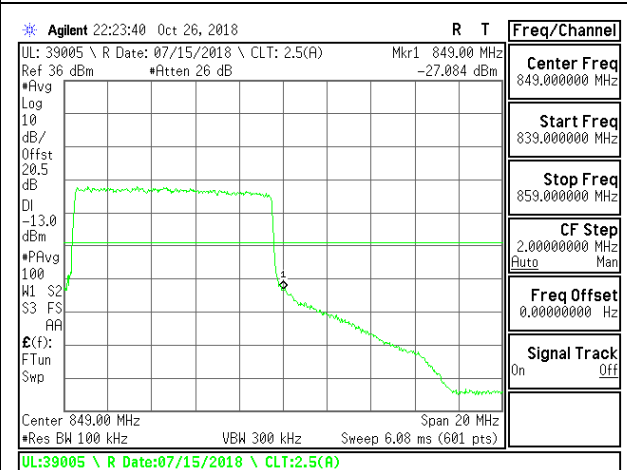
LTE B26 10MHz QPSK Low Channel RB1-0



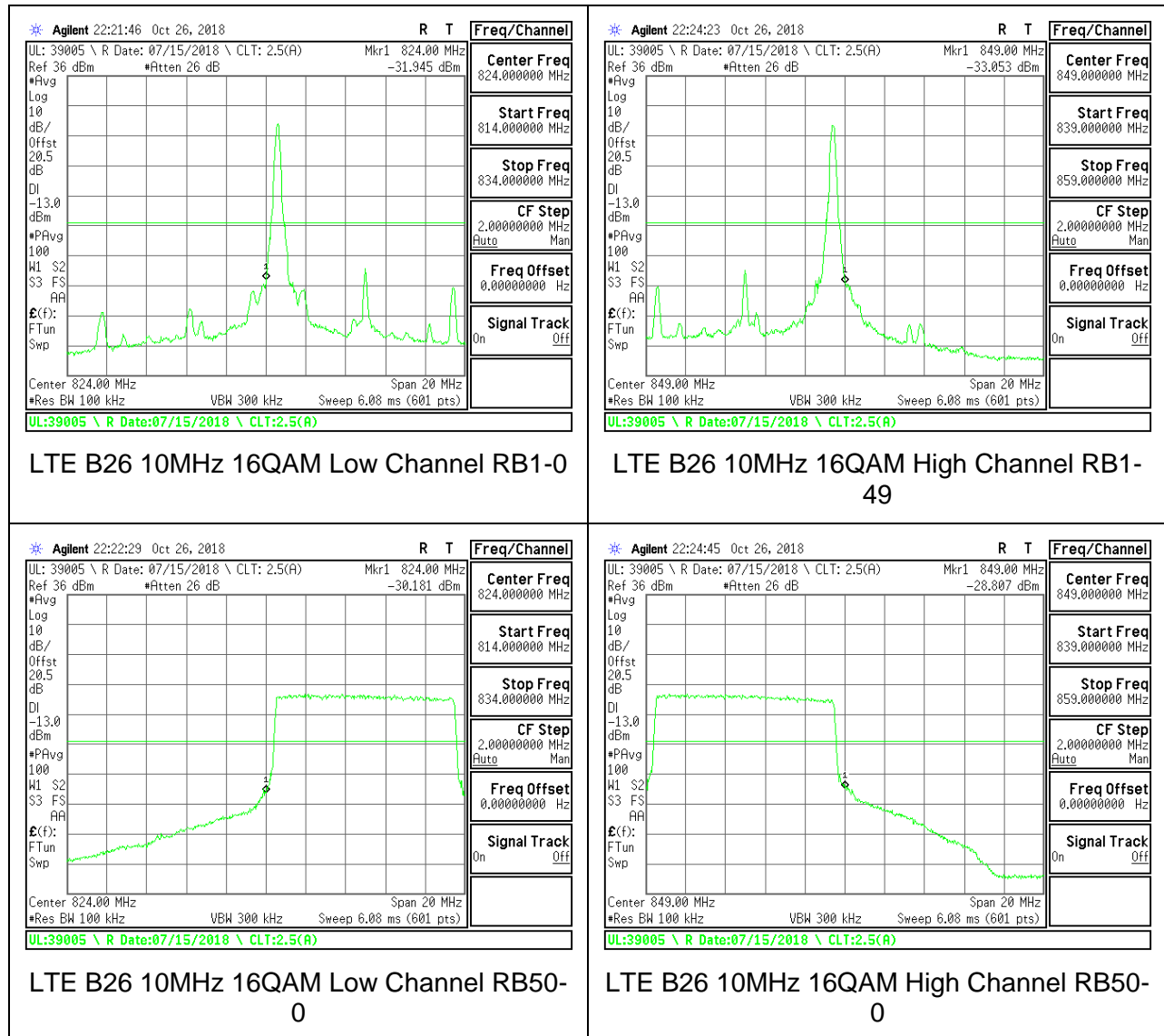
LTE B26 10MHz QPSK High Channel RB1-49

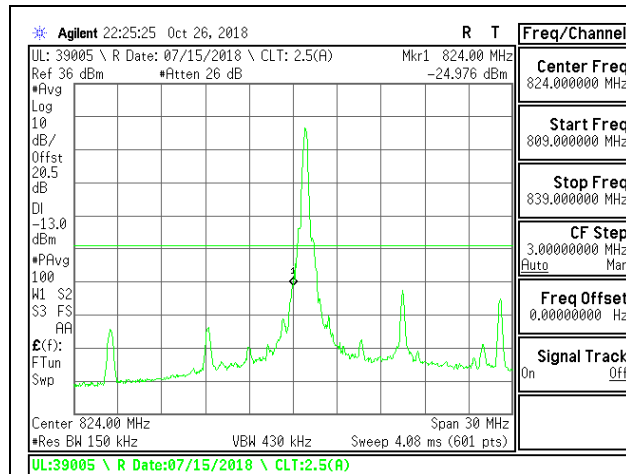


LTE B26 10MHz QPSK Low Channel RB50-0

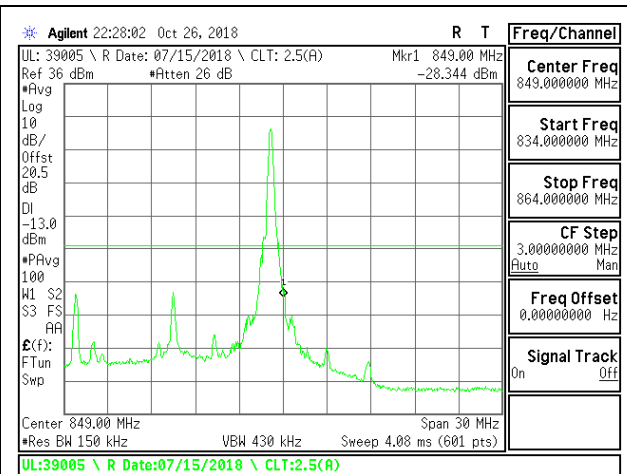


LTE B26 10MHz QPSK High Channel RB50-0

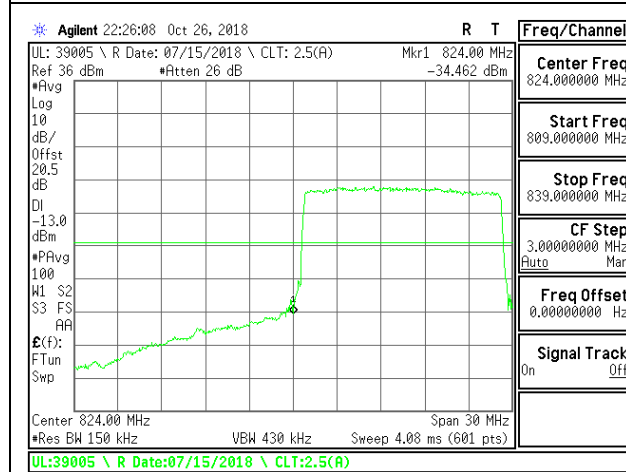




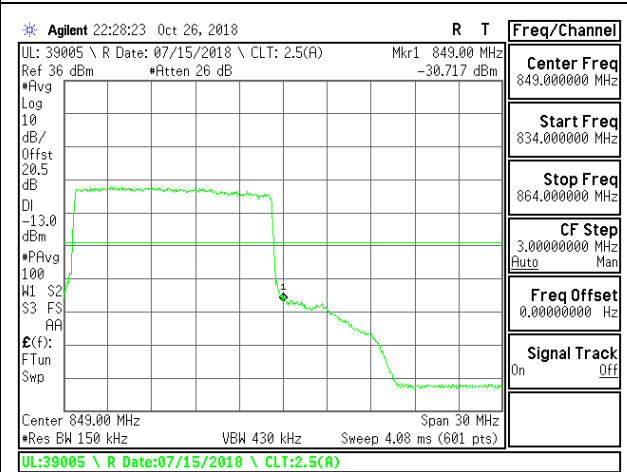
LTE B26 15MHz QPSK Low Channel RB1-0



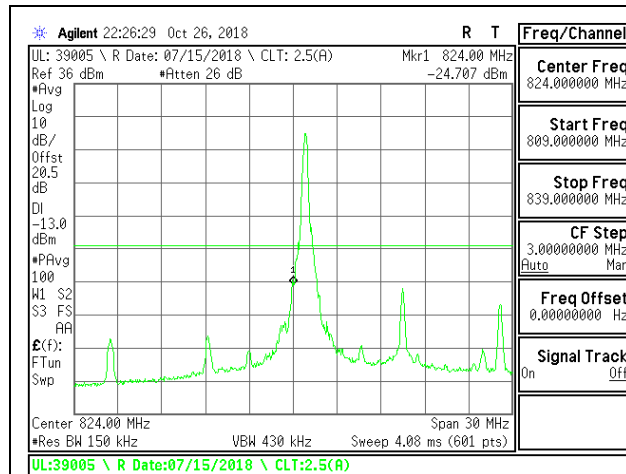
LTE B26 15MHz QPSK High Channel RB1-74



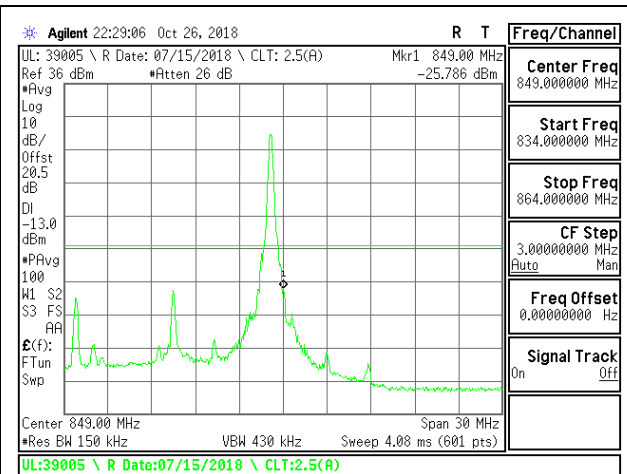
LTE B26 15MHz QPSK Low Channel RB75-0



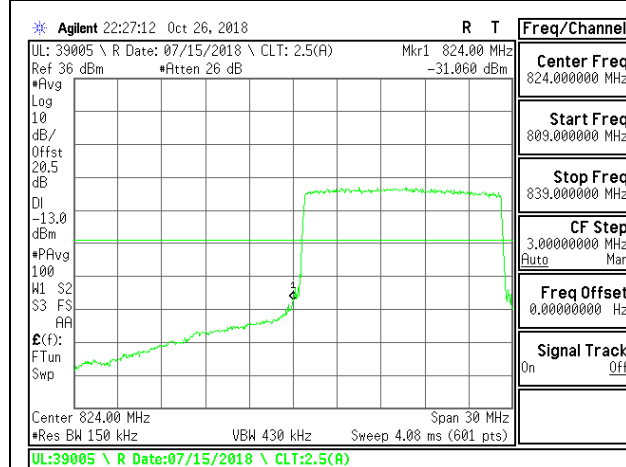
LTE B26 15MHz QPSK High Channel RB75-0



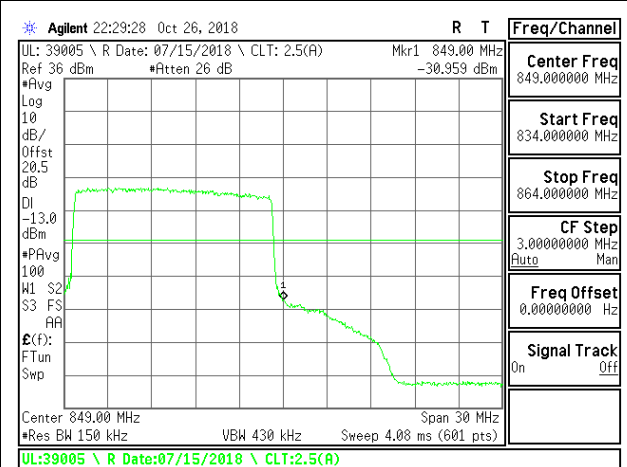
LTE B26 15MHz 16QAM Low Channel RB1-0



LTE B26 15MHz 16QAM High Channel RB1-74

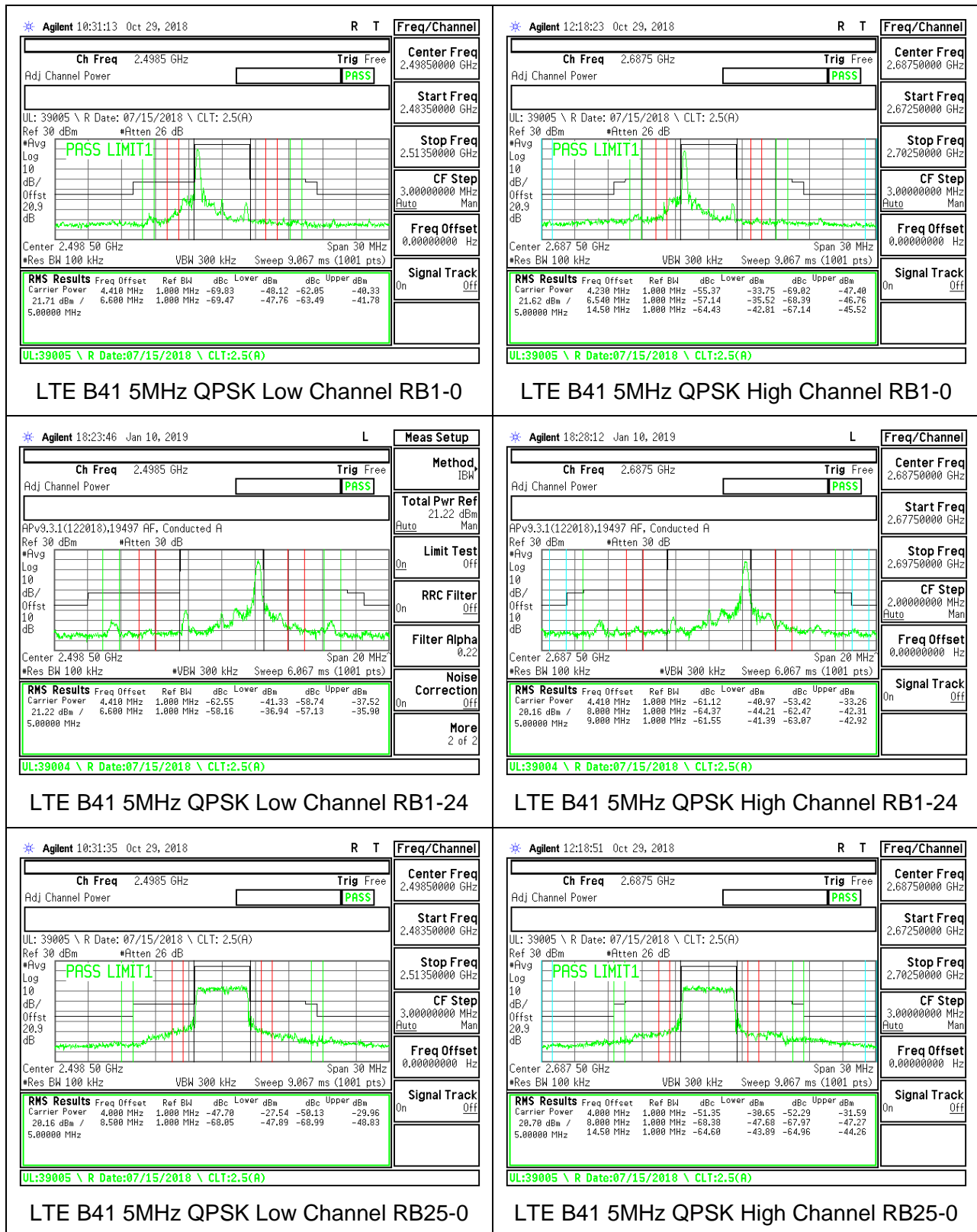


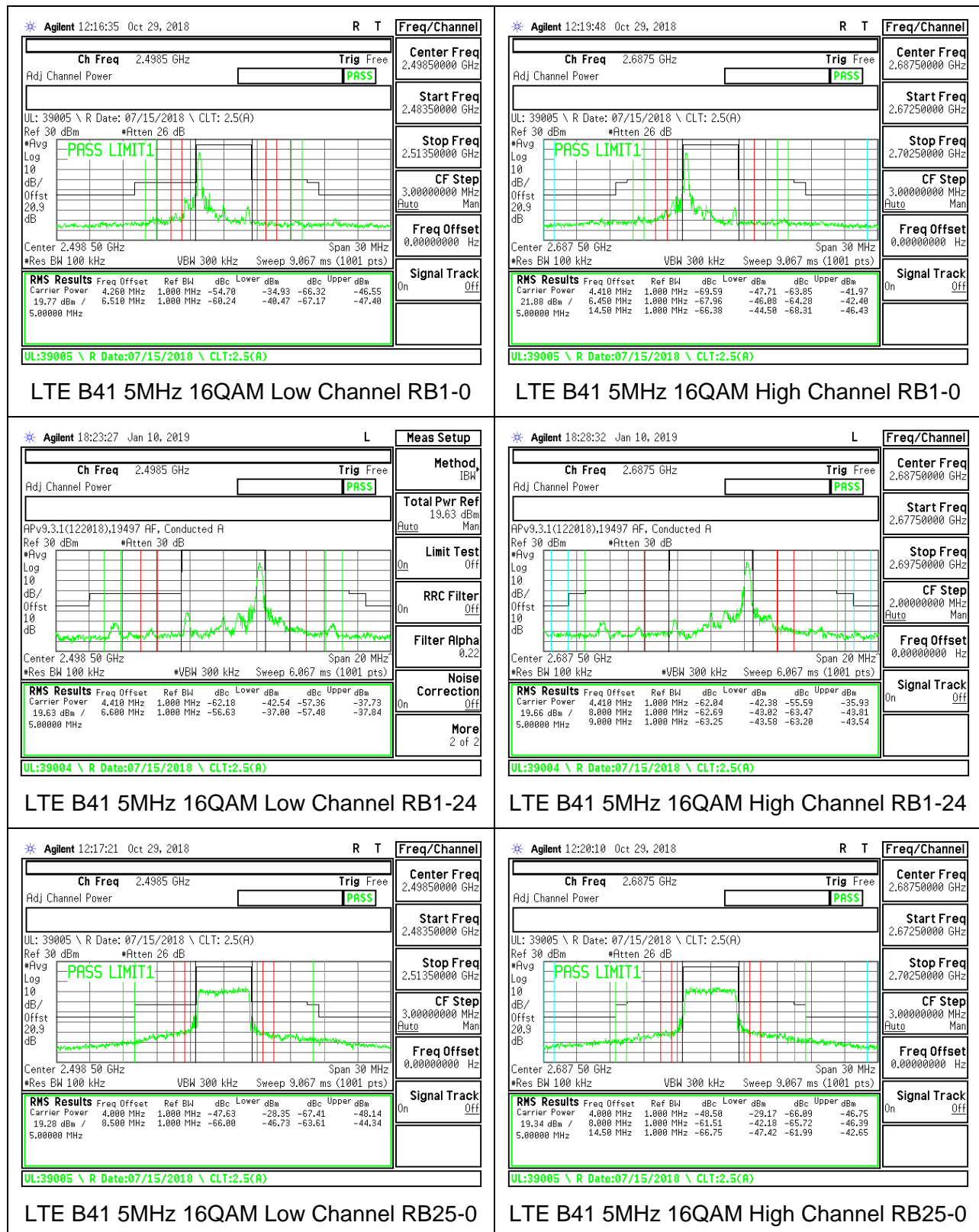
LTE B26 15MHz 16QAM Low Channel RB75-0

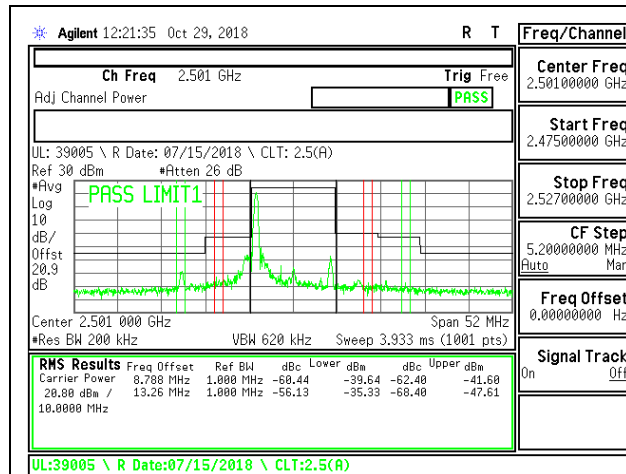


LTE B26 15MHz 16QAM High Channel RB75-0

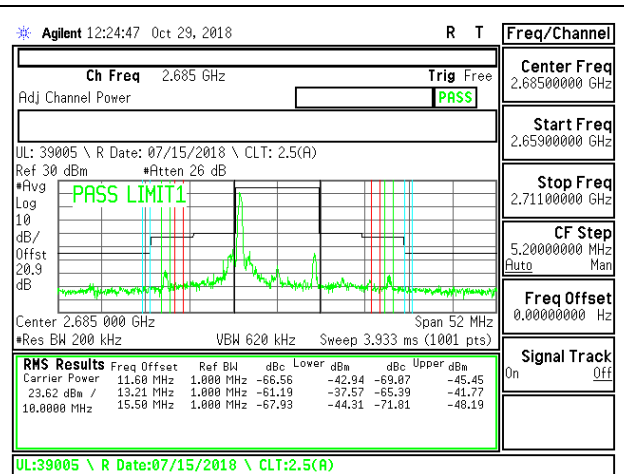
9.2.15. LTE BAND 41 ADJACENT CHANNEL POWER



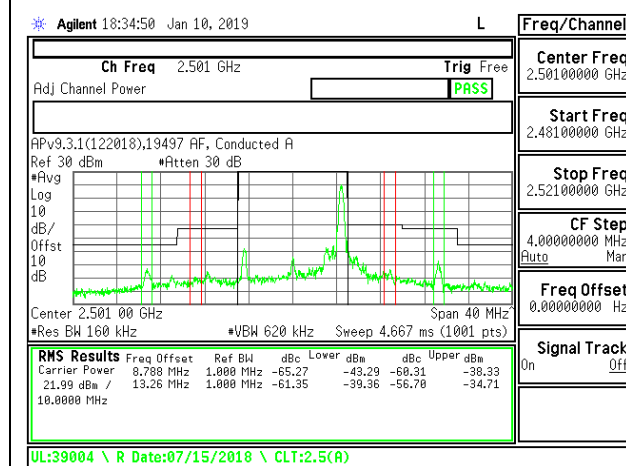




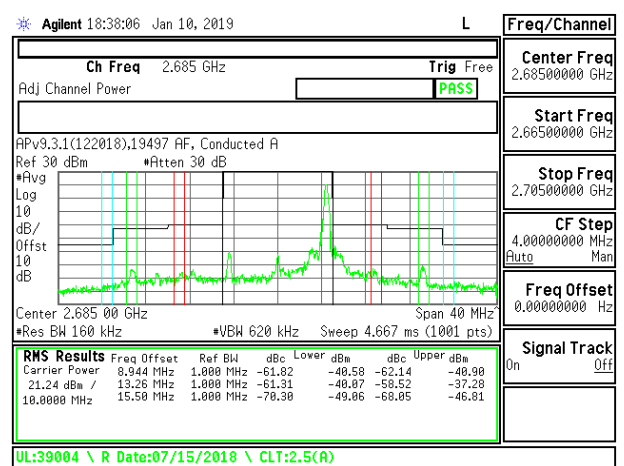
LTE B41 10MHz QPSK Low Channel RB1-0



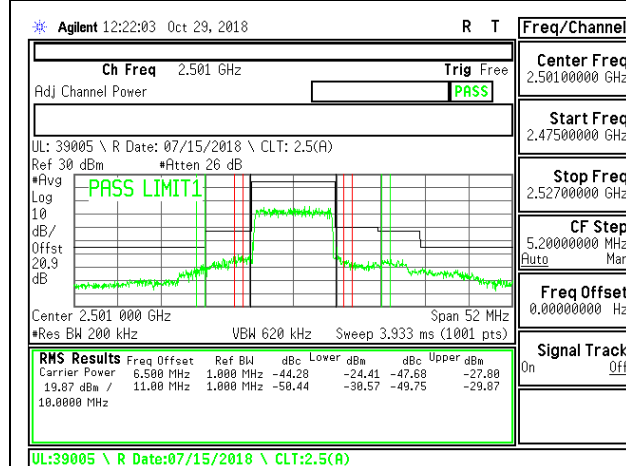
LTE B41 10MHz QPSK High Channel RB1-0



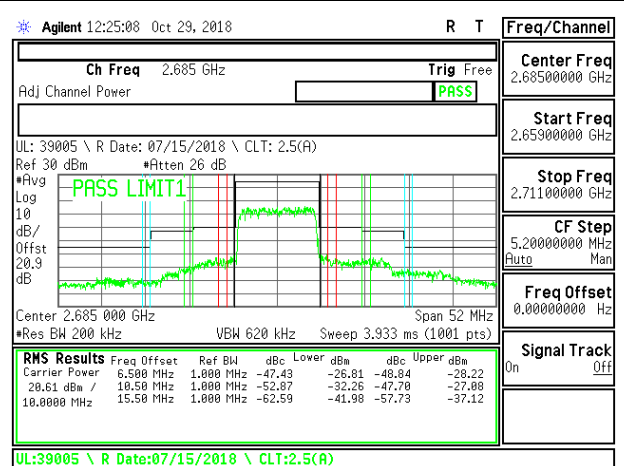
LTE B41 10MHz QPSK Low Channel RB1-49



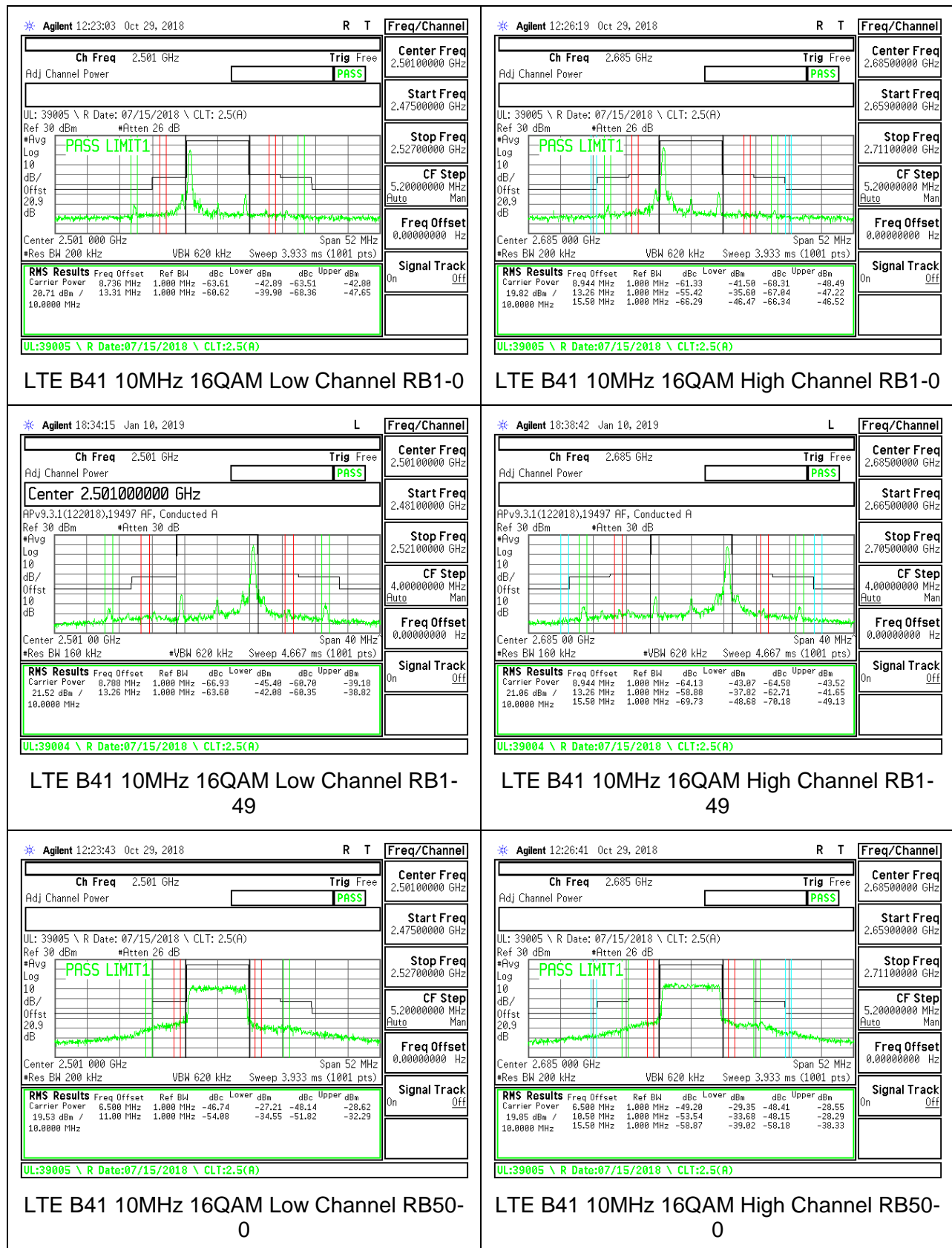
LTE B41 10MHz QPSK High Channel RB1-49

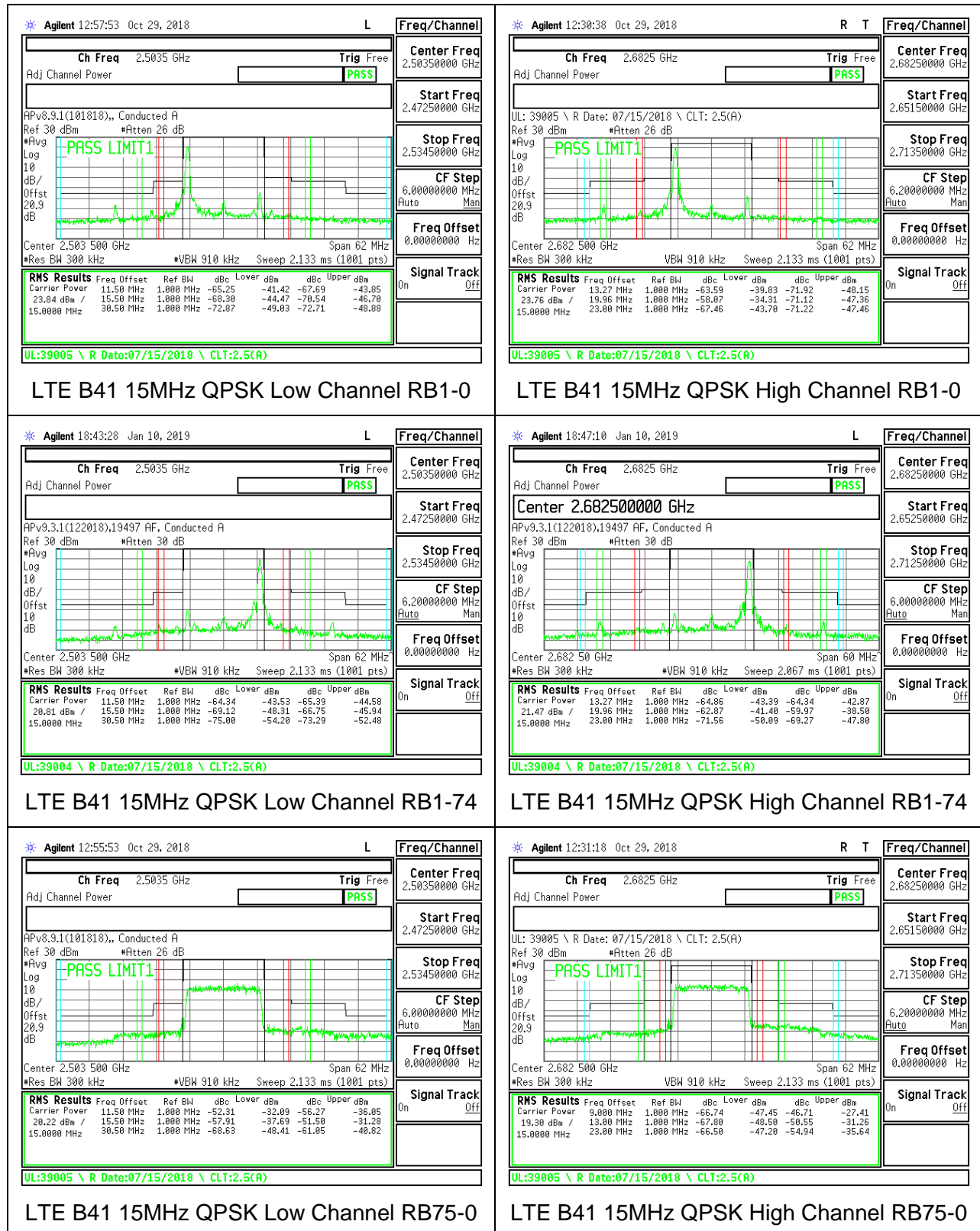


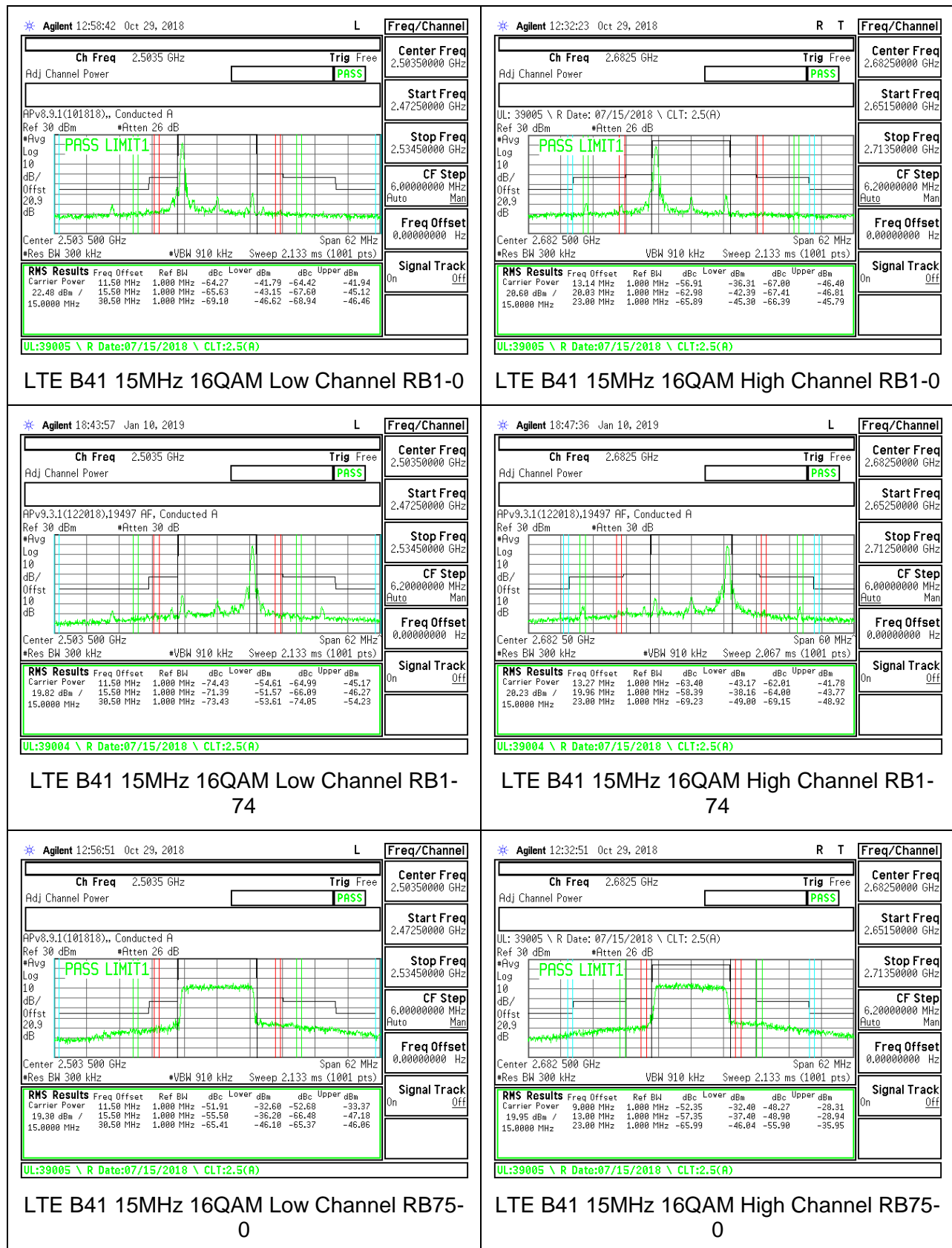
LTE B41 10MHz QPSK Low Channel RB50-0

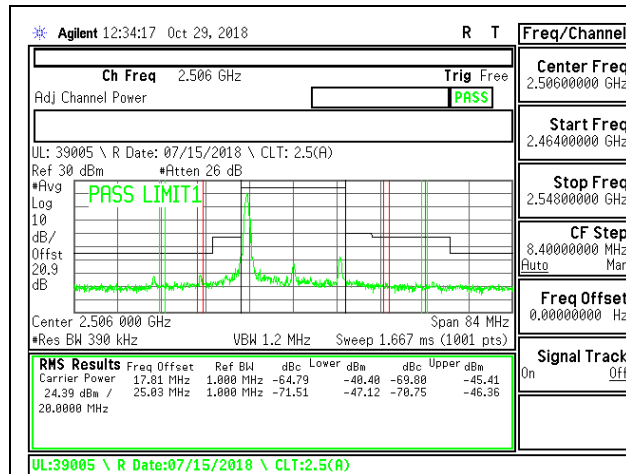


LTE B41 10MHz QPSK High Channel RB50-0

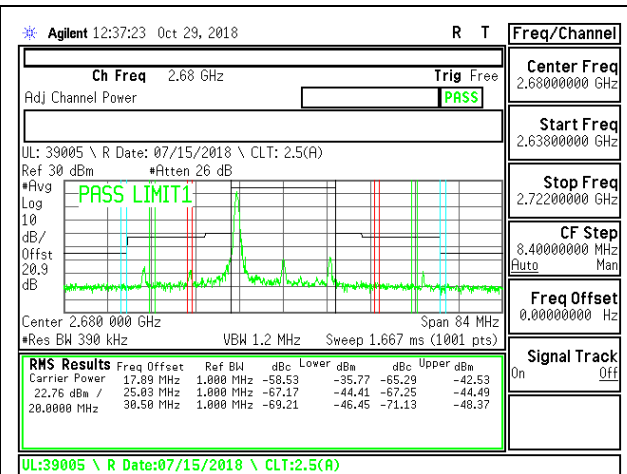




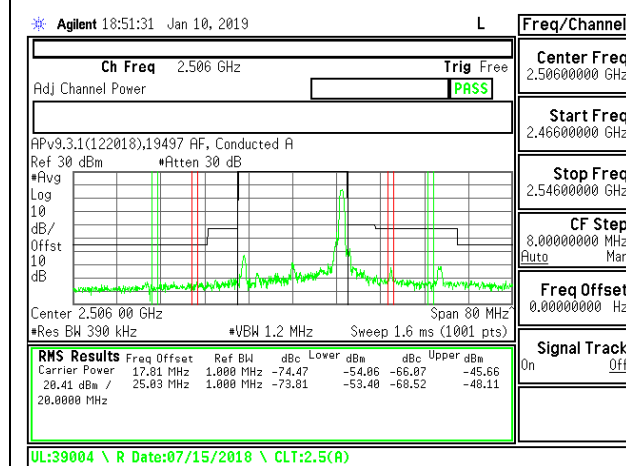




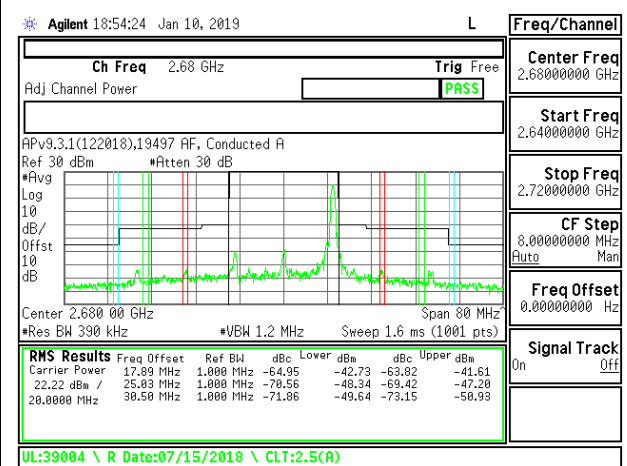
LTE B41 20MHz QPSK Low Channel RB1-0



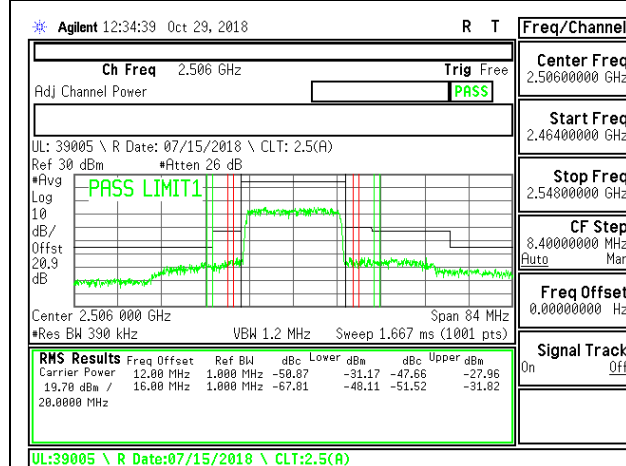
LTE B41 20MHz QPSK High Channel RB1-0



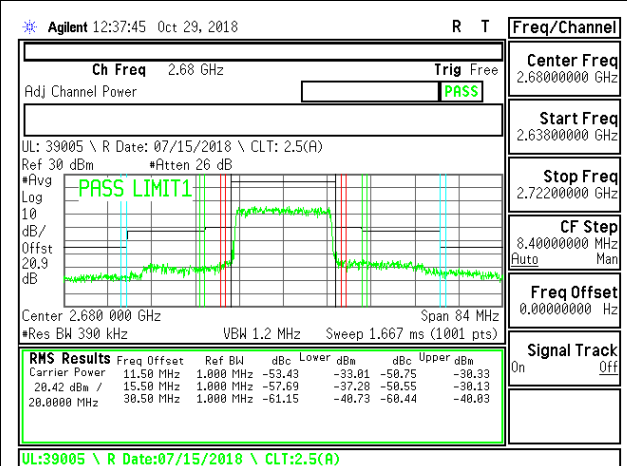
LTE B41 20MHz QPSK Low Channel RB1-99



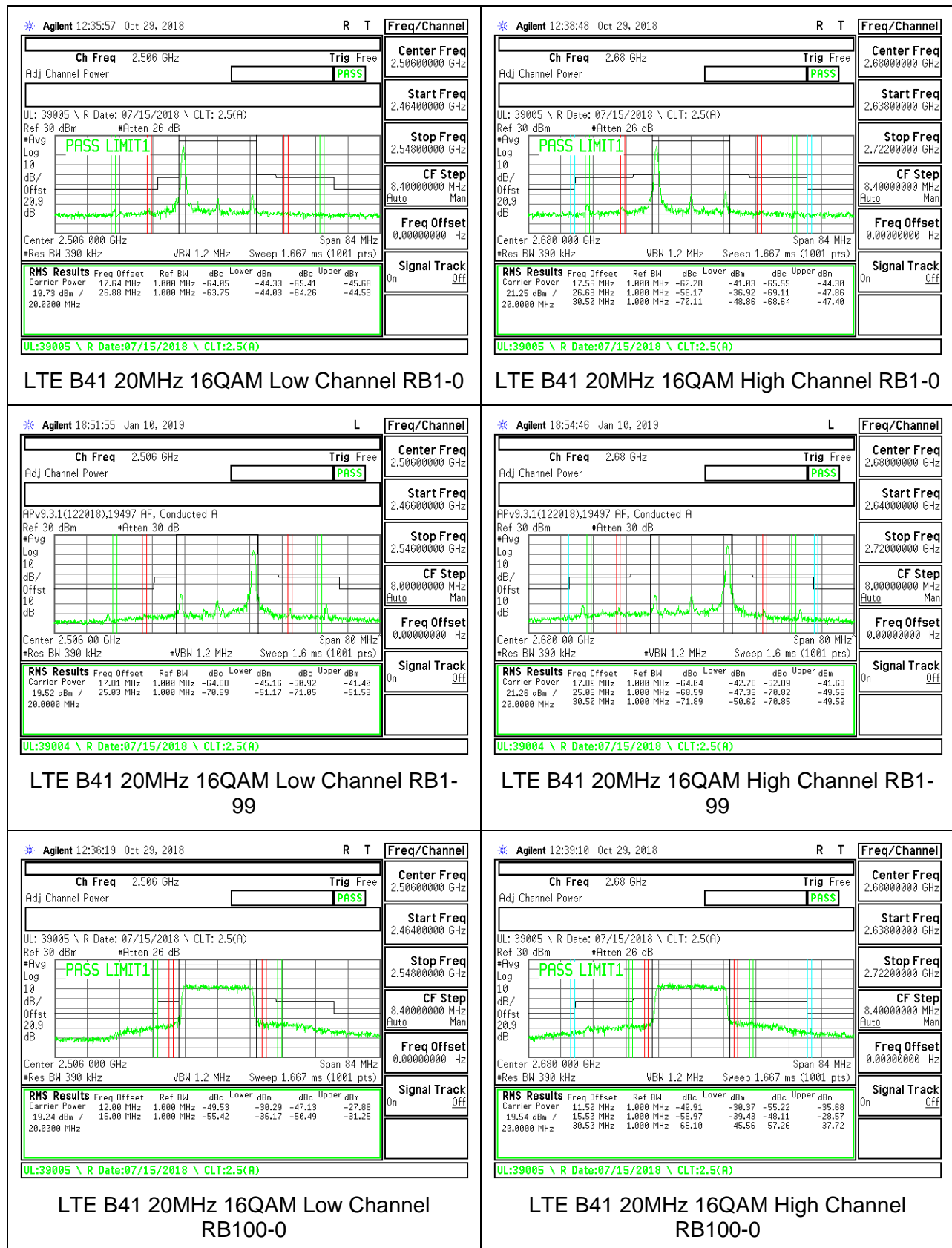
LTE B41 20MHz QPSK High Channel RB1-99



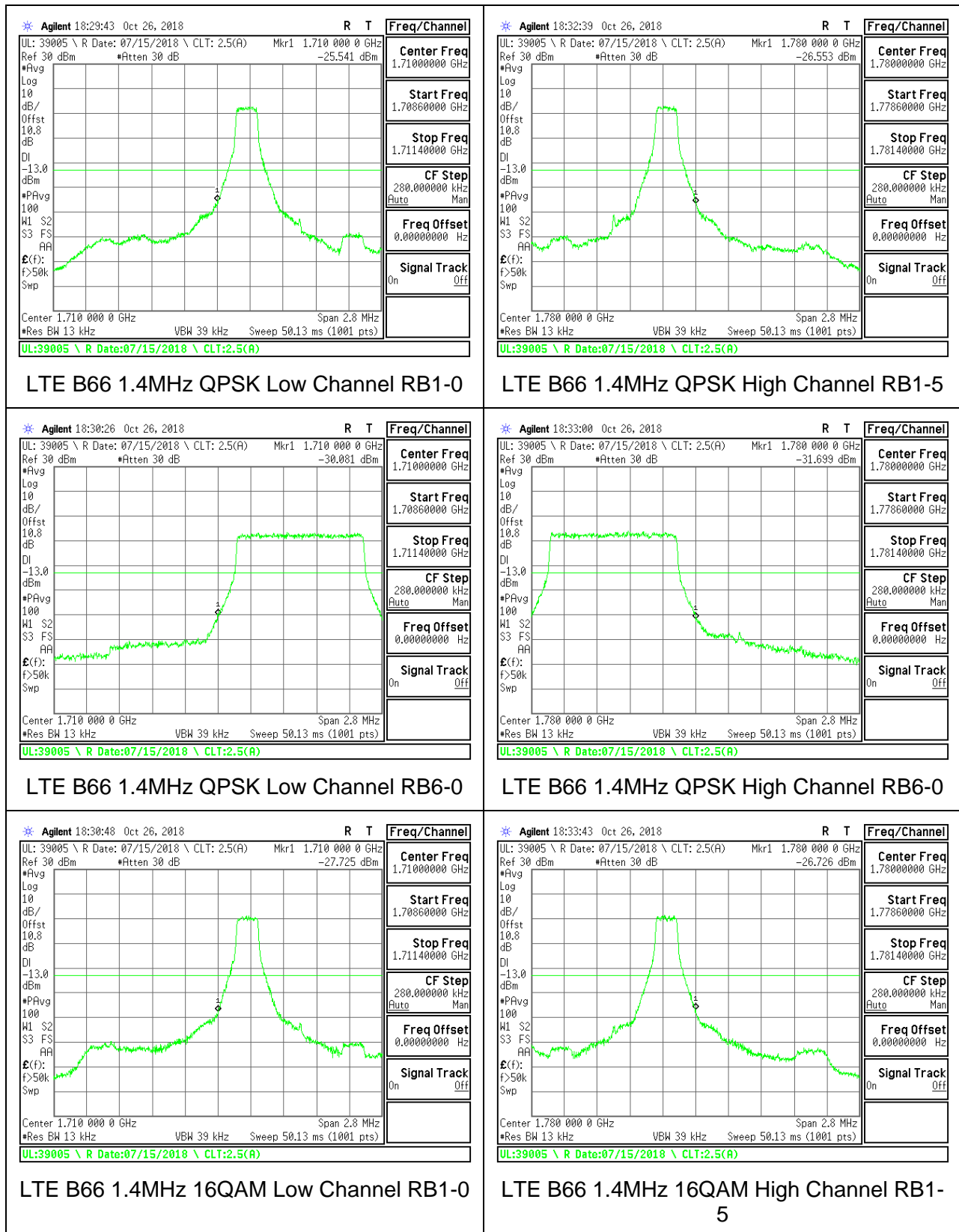
LTE B41 20MHz QPSK Low Channel RB100-0

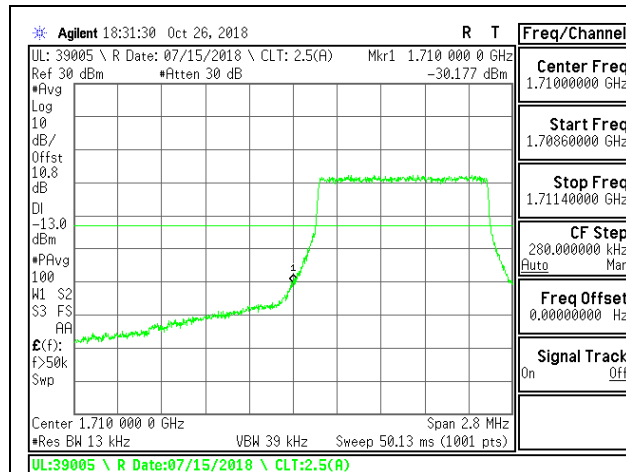


LTE B41 20MHz QPSK High Channel RB100-0

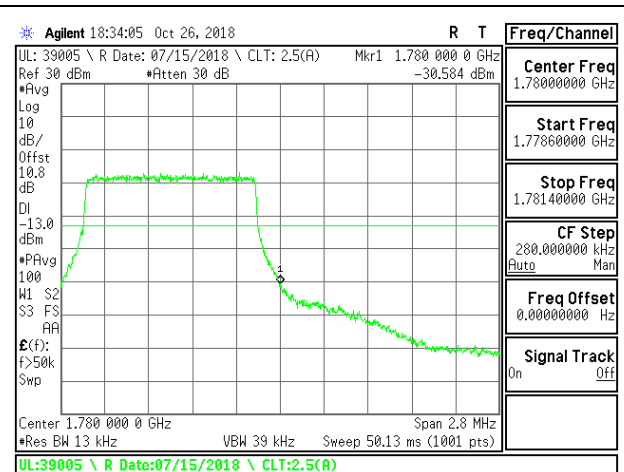


9.2.16. LTE BAND 66 BANDEDGE

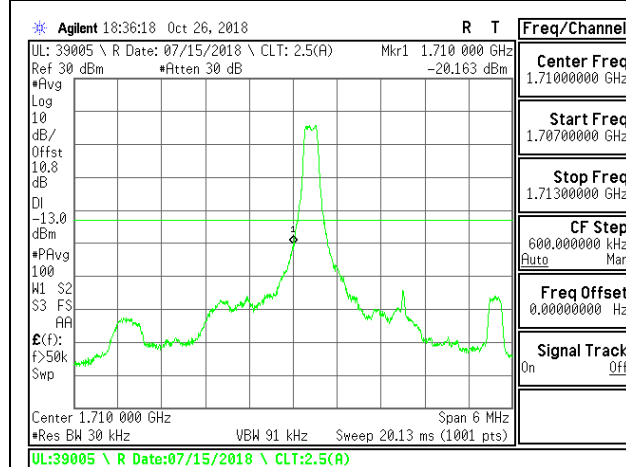




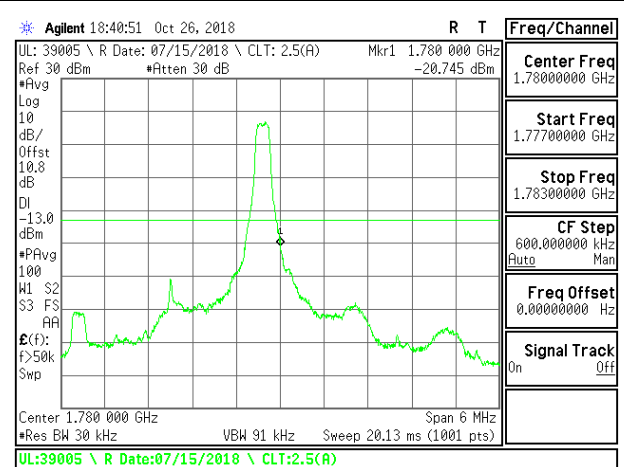
LTE B66 1.4MHz 16QAM Low Channel RB6-0



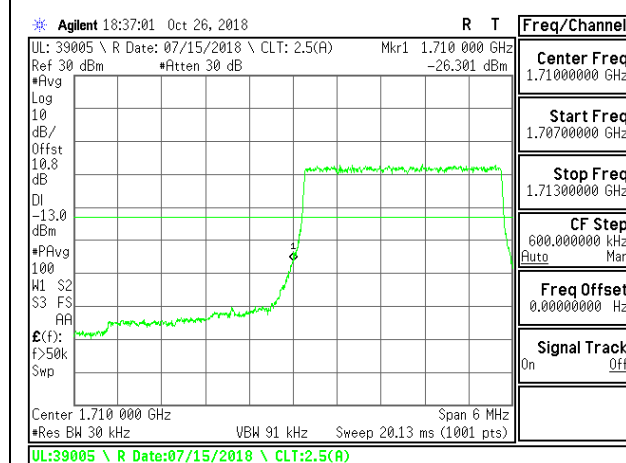
LTE B66 1.4MHz 16QAM High Channel RB6-0



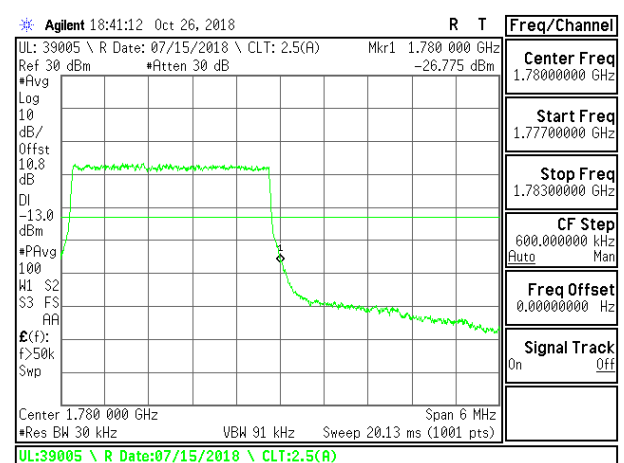
LTE B66 3MHz QPSK Low Channel RB1-0



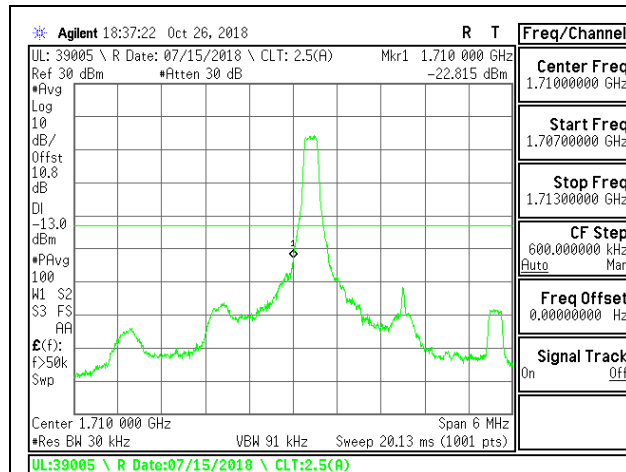
LTE B66 3MHz QPSK High Channel RB1-14



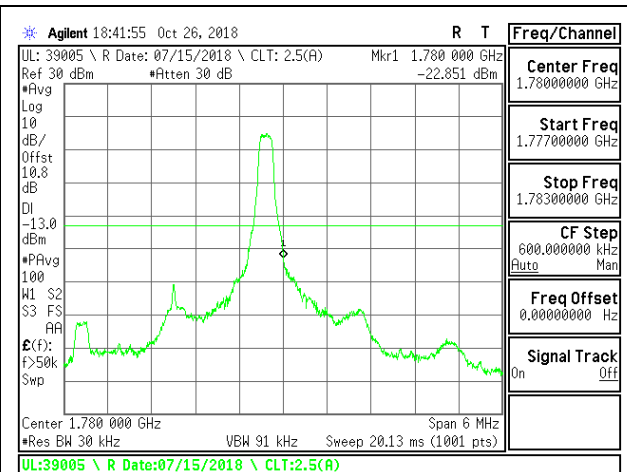
LTE B66 3MHz QPSK Low Channel RB15-0



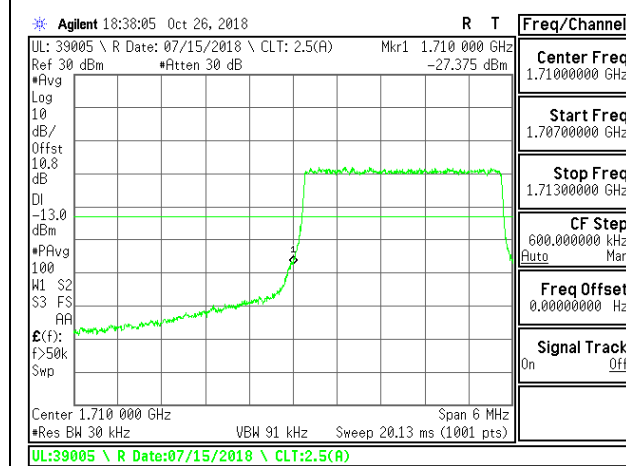
LTE B66 3MHz QPSK High Channel RB15-0



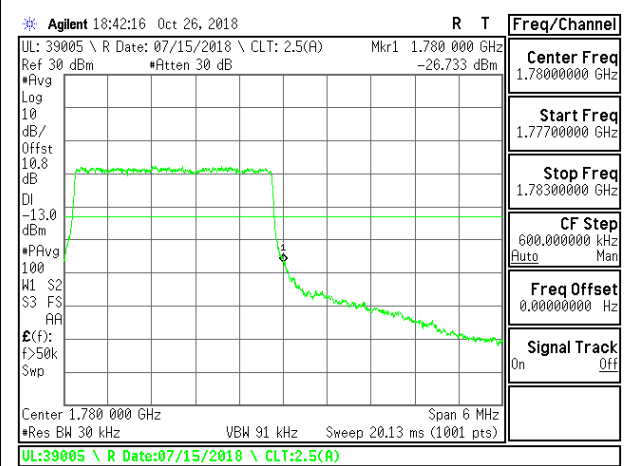
LTE B66 3MHz 16QAM Low Channel RB1-0



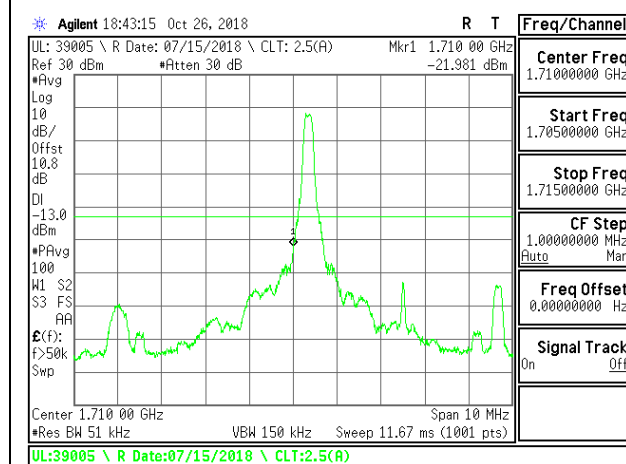
LTE B66 3MHz 16QAM High Channel RB1-14



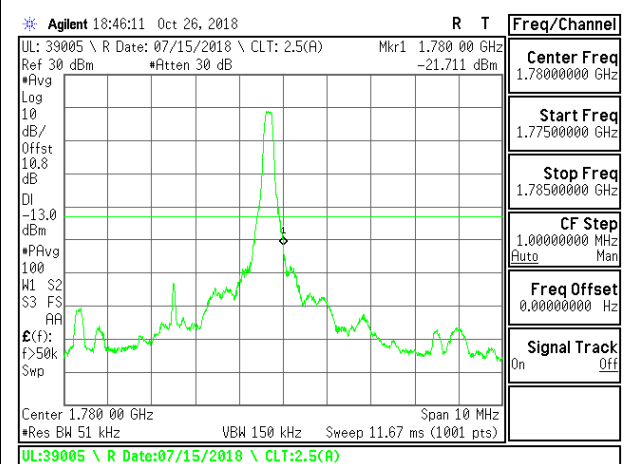
LTE B66 3MHz 16QAM Low Channel RB15-0



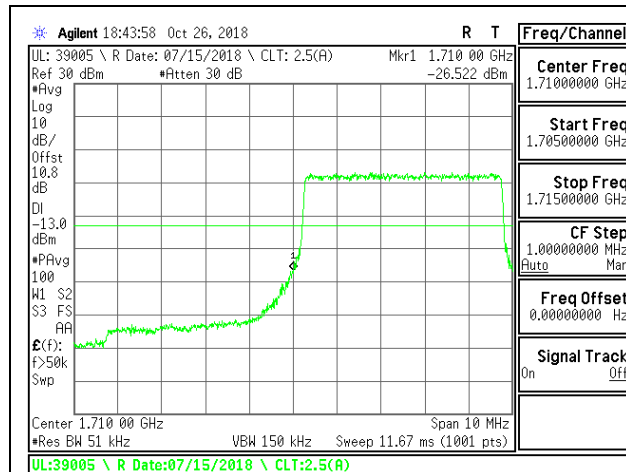
LTE B66 3MHz 16QAM High Channel RB15-0



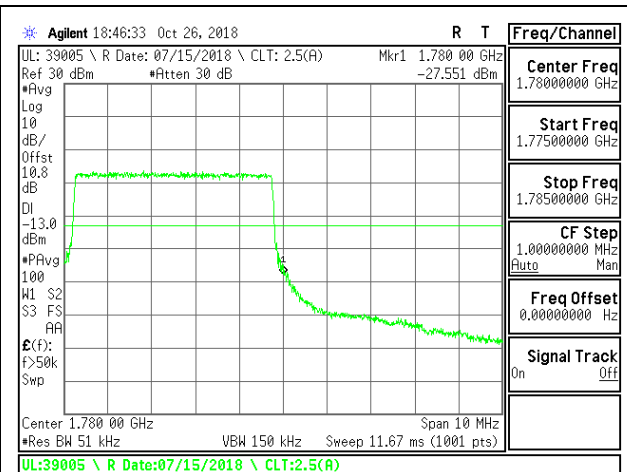
LTE B66 5MHz QPSK Low Channel RB1-0



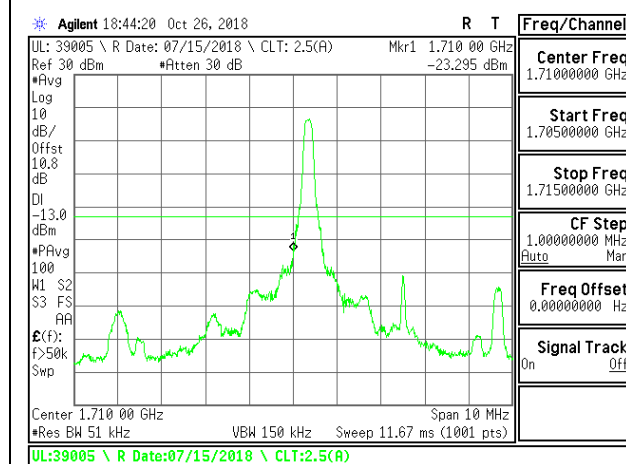
LTE B66 5MHz QPSK High Channel RB1-24



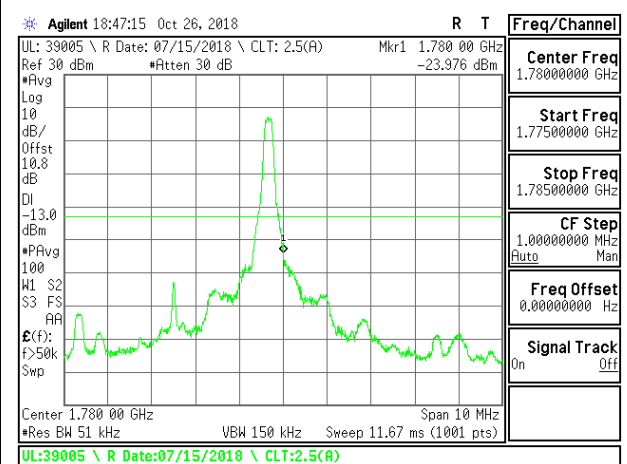
LTE B66 5MHz QPSK Low Channel RB25-0



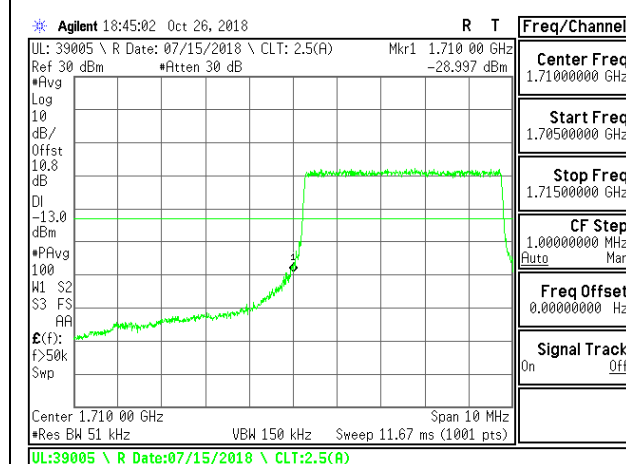
LTE B66 5MHz QPSK High Channel RB25-0



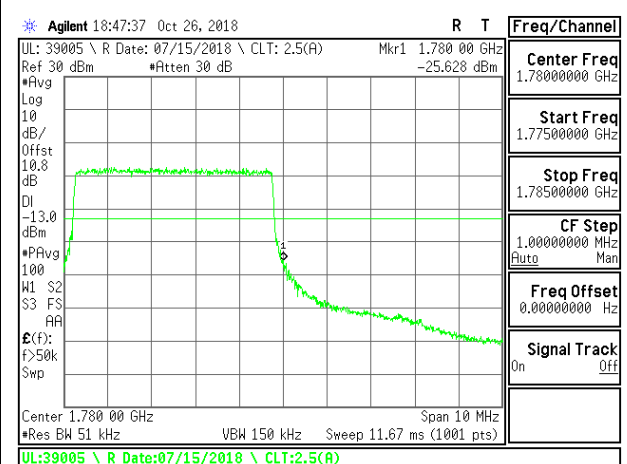
LTE B66 5MHz 16QAM Low Channel RB1-0



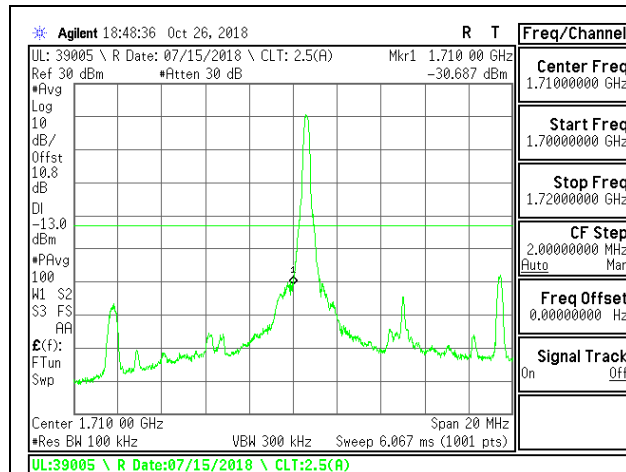
LTE B66 5MHz 16QAM High Channel RB1-24



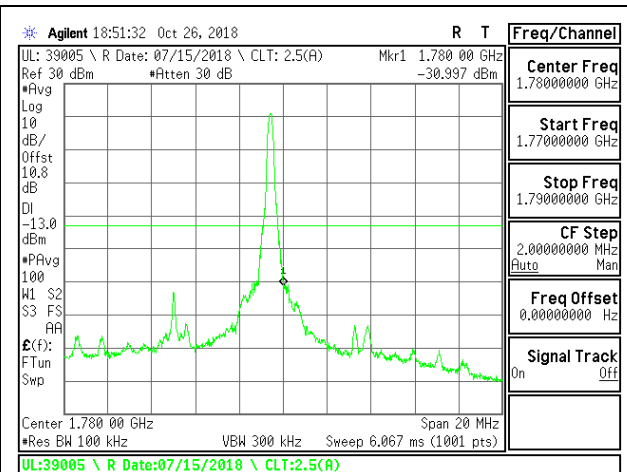
LTE B66 5MHz 16QAM Low Channel RB25-0



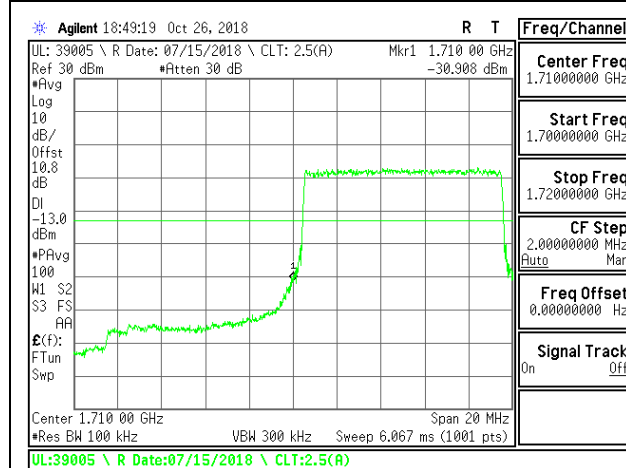
LTE B66 5MHz 16QAM High Channel RB25-0



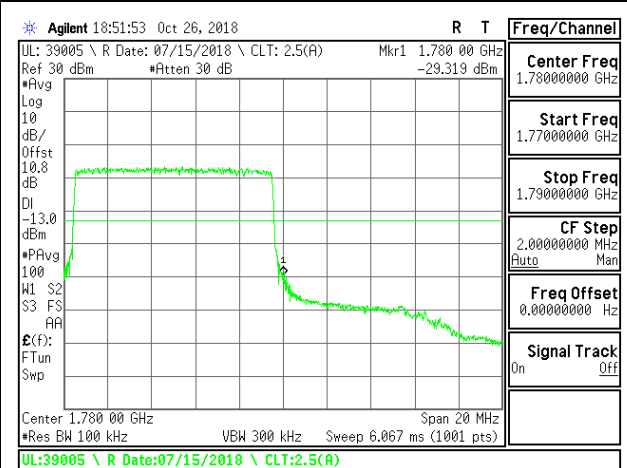
LTE B66 10MHz QPSK Low Channel RB1-0



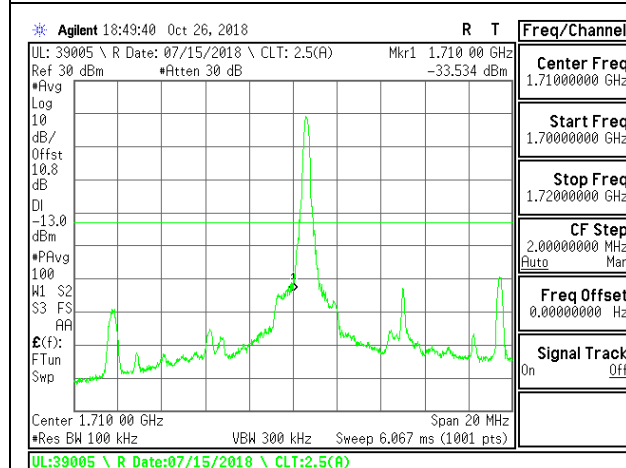
LTE B66 10MHz QPSK High Channel RB1-49



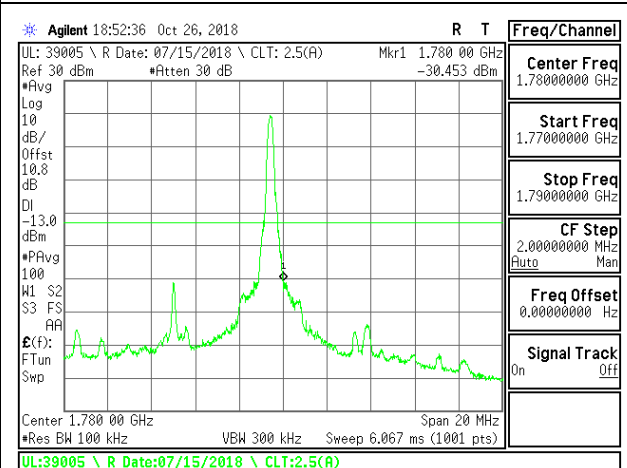
LTE B66 10MHz QPSK Low Channel RB50-0



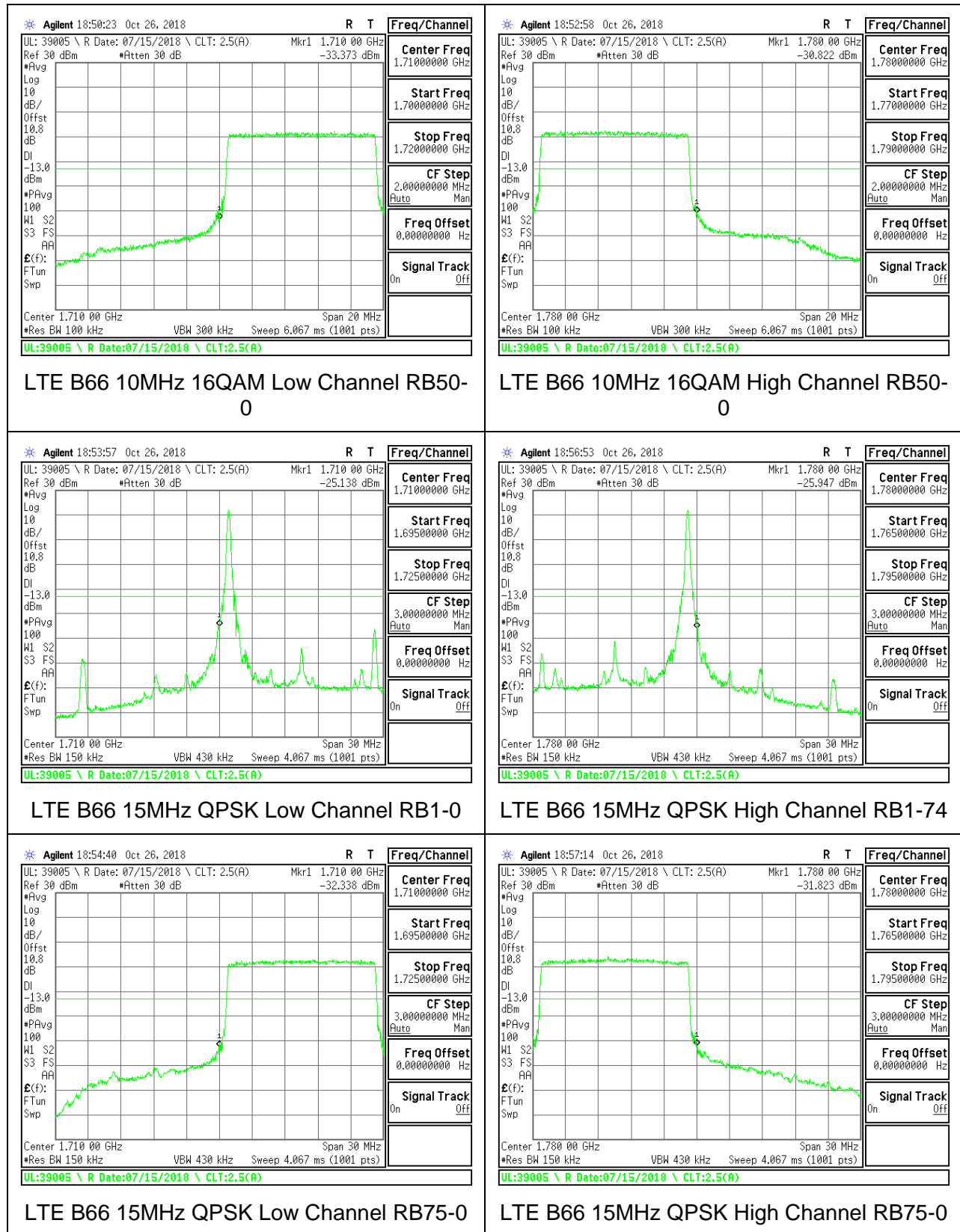
LTE B66 10MHz QPSK High Channel RB50-0

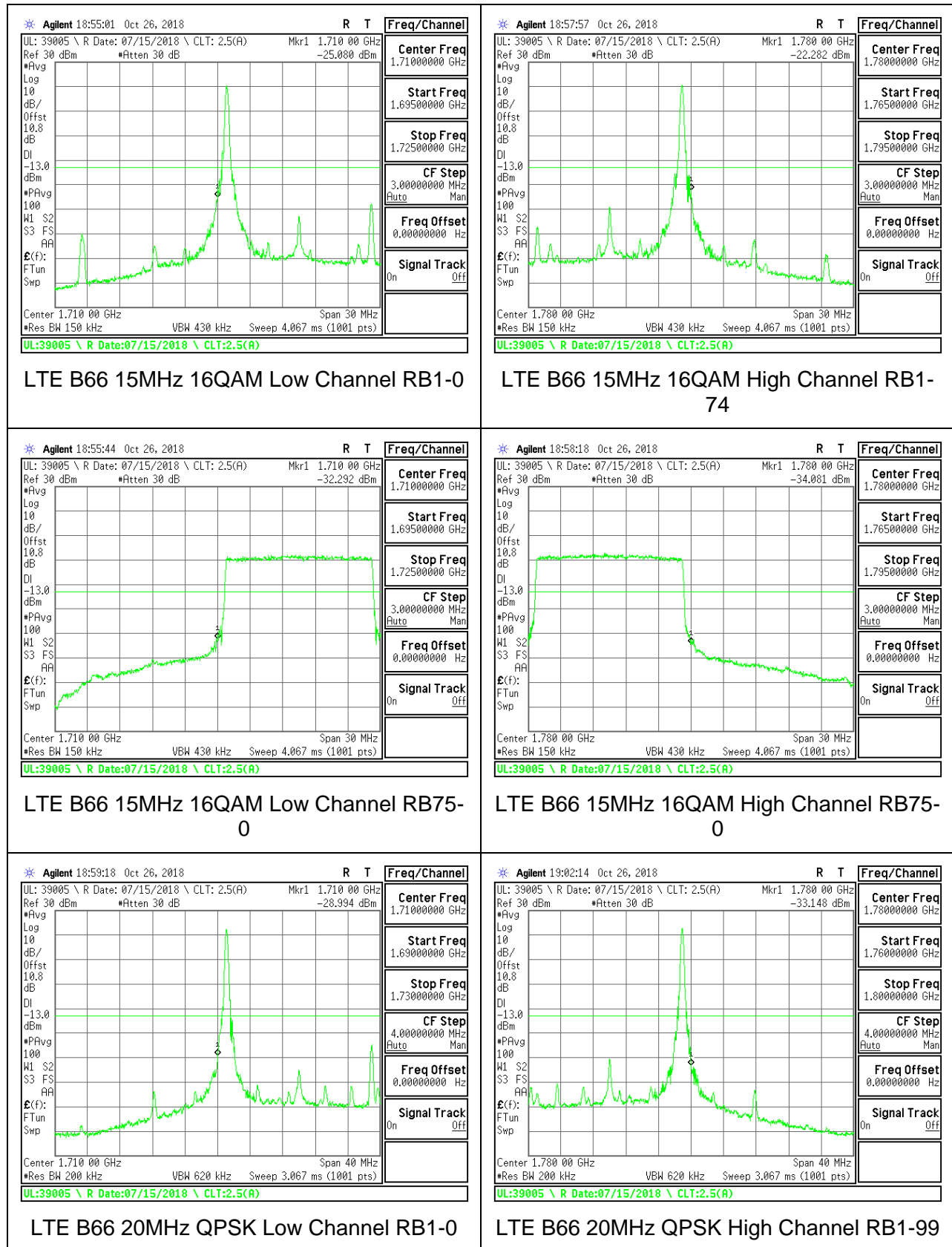


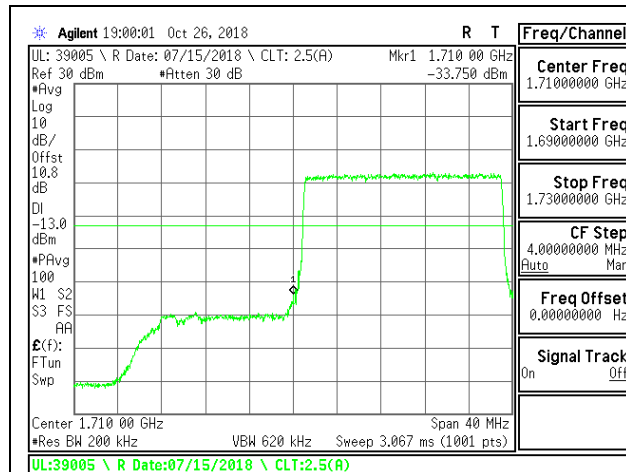
LTE B66 10MHz 16QAM Low Channel RB1-0



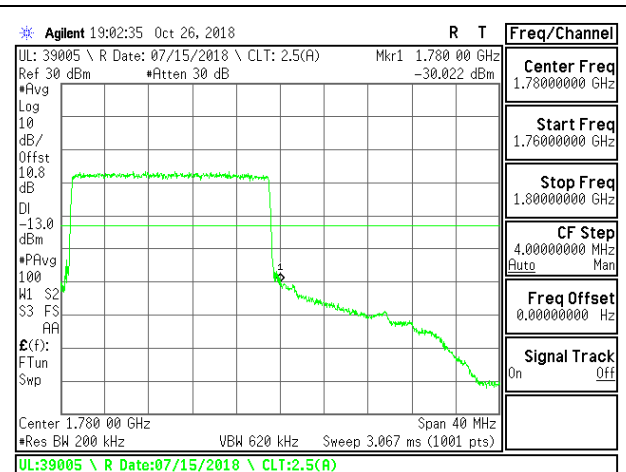
LTE B66 10MHz 16QAM High Channel RB1-49



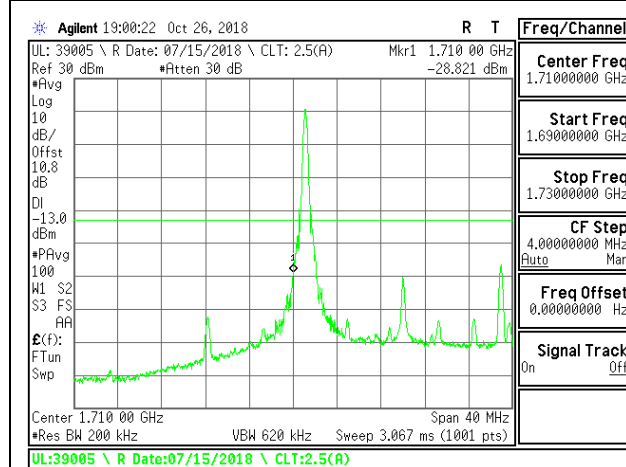




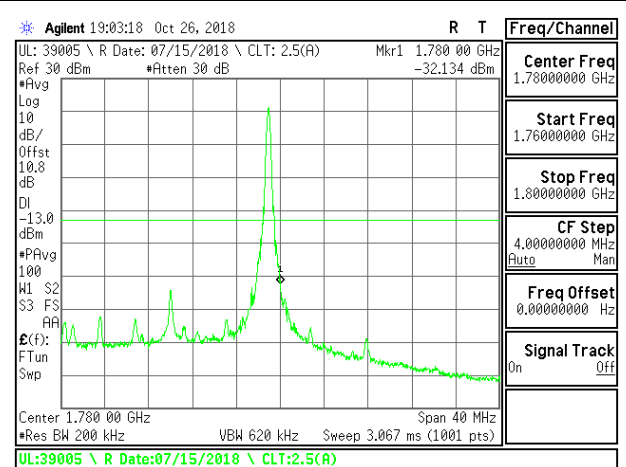
LTE B66 20MHz QPSK Low Channel RB100-0



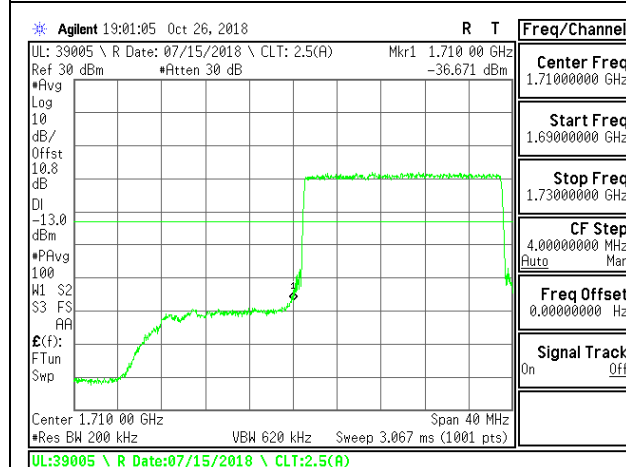
LTE B66 20MHz QPSK High Channel RB100-0



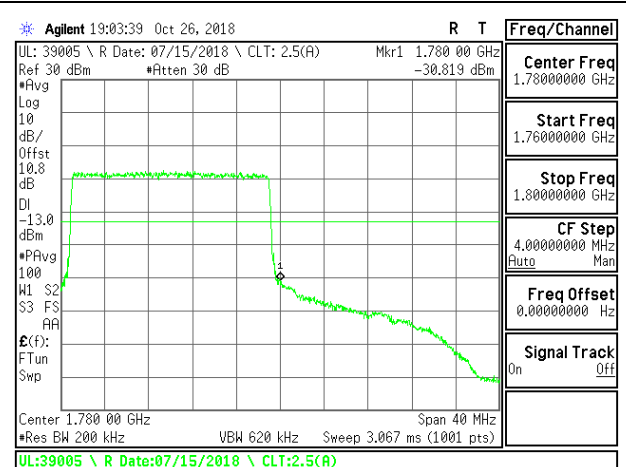
LTE B66 20MHz 16QAM Low Channel RB1-0



LTE B66 20MHz 16QAM High Channel RB1-99



LTE B66 20MHz 16QAM Low Channel RB100-0



LTE B66 20MHz 16QAM High Channel RB100-0

9.3. 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 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)

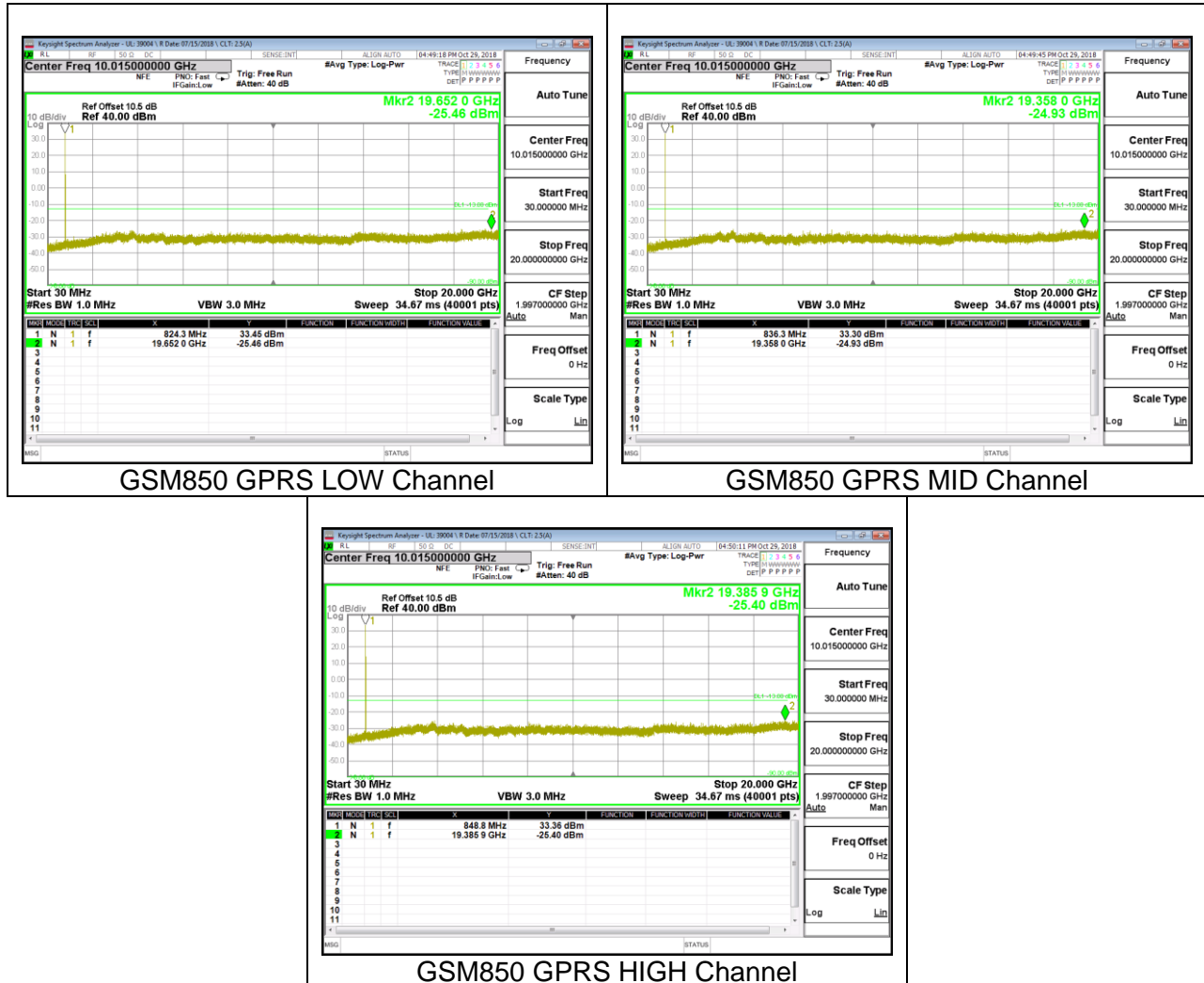
MODES TESTED

- GSM 850
- GSM 1900
- WCDMA Band 5
- WCDMA Band 2
- WCDMA Band 4
- LTE Band 2
- LTE Band 4
- LTE Band 5
- LTE Band 12
- LTE Band 13
- LTE Band 17
- LTE Band 25
- LTE Band 26
- LTE Band 41
- LTE Band 66

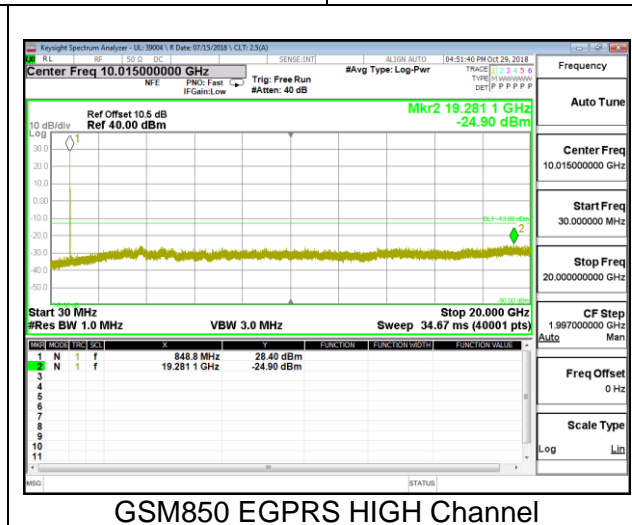
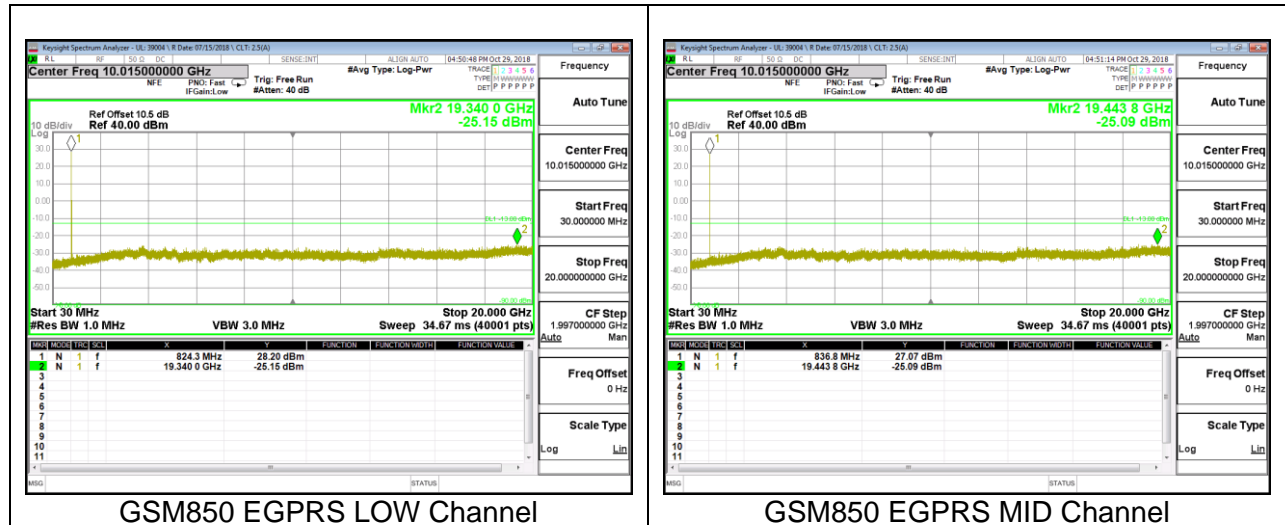
RESULTS

9.3.1. GSM850

GPRS

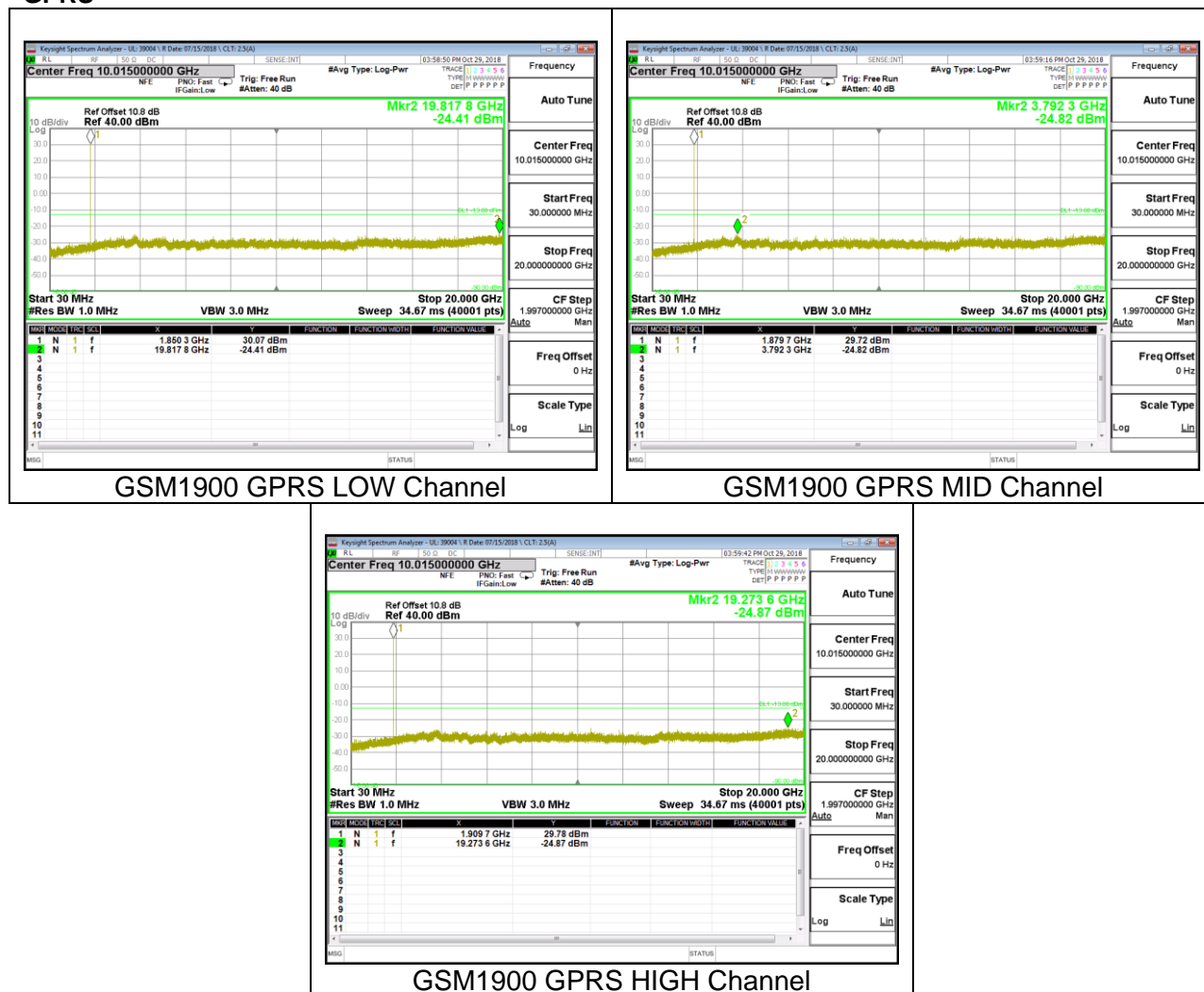


EGPRS

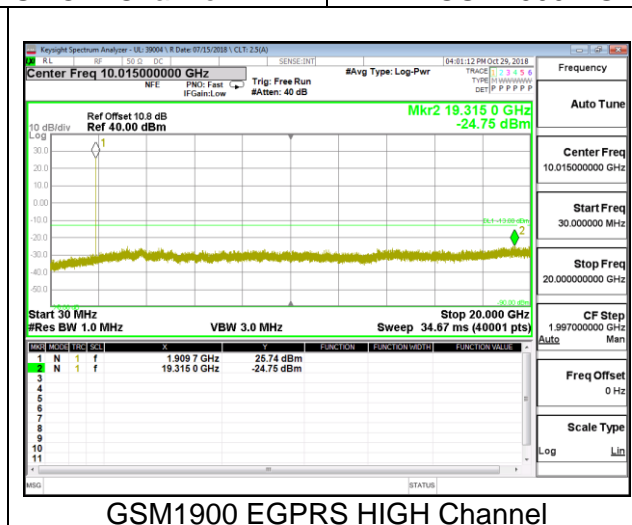
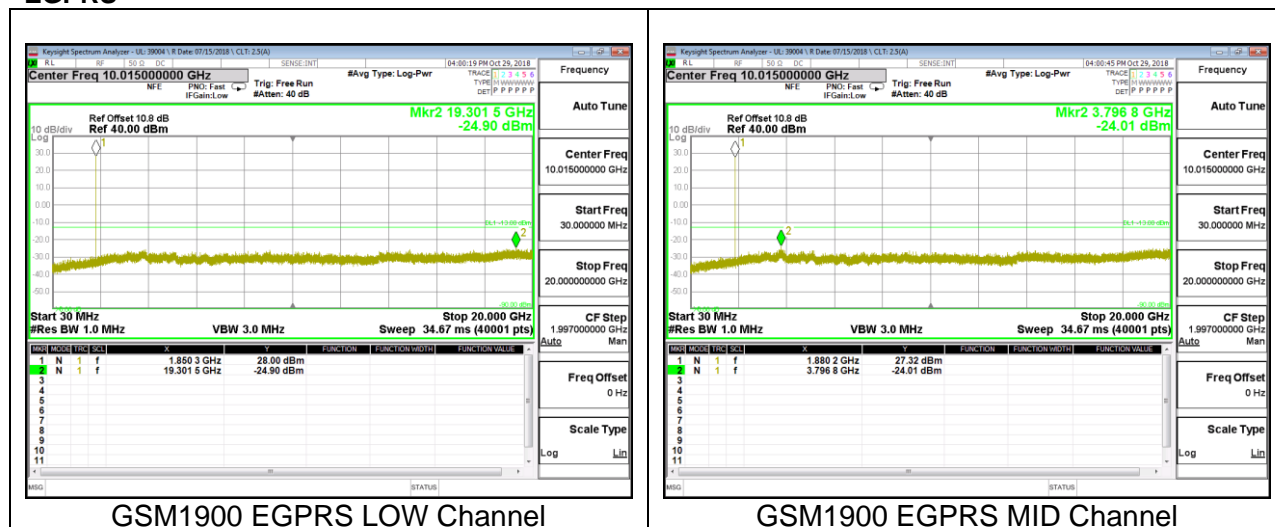


9.3.2. GSM1900

GPRS

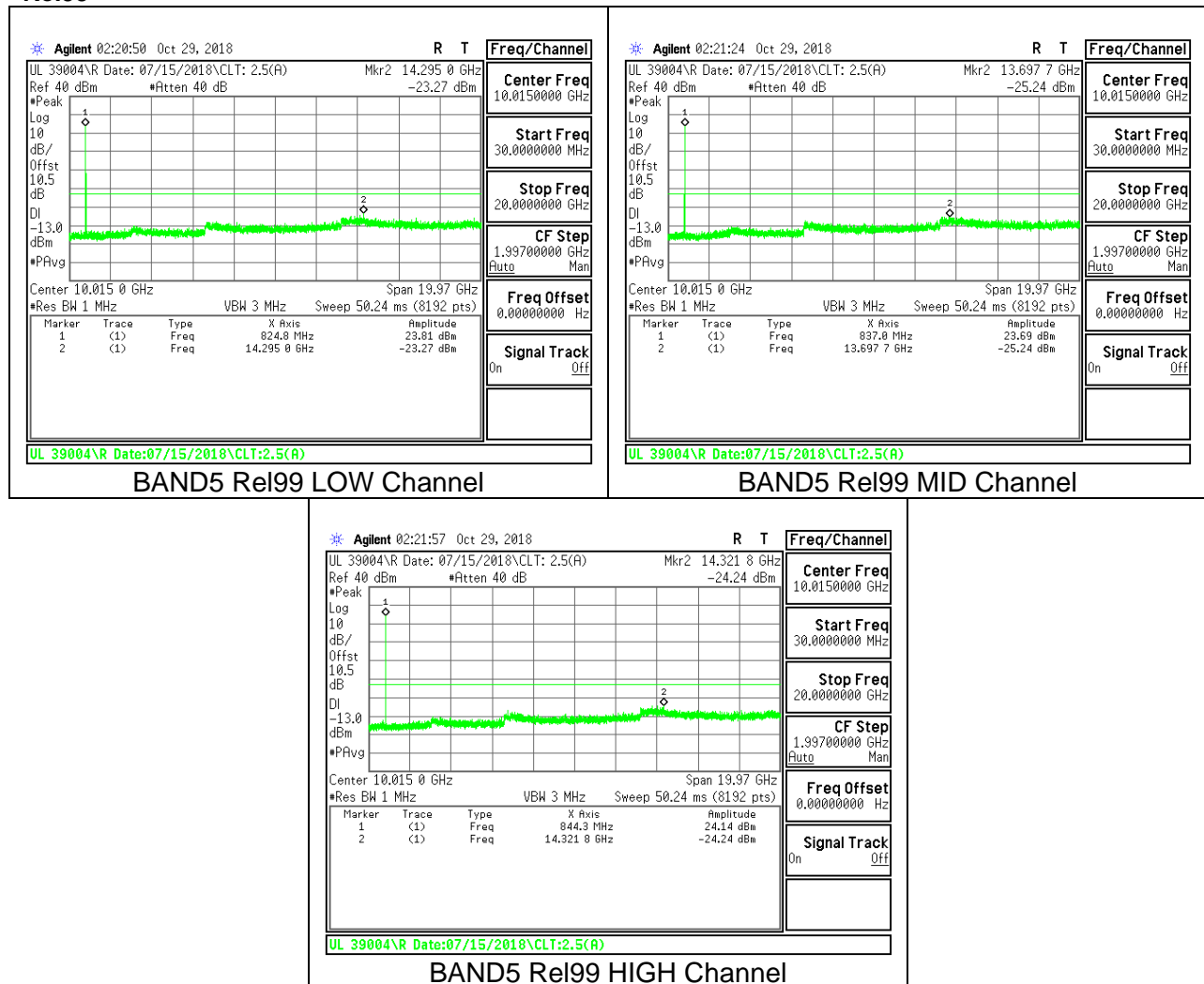


EGPRS

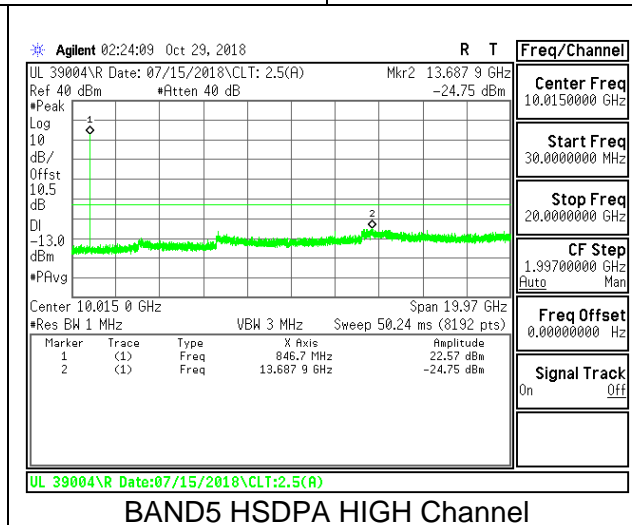
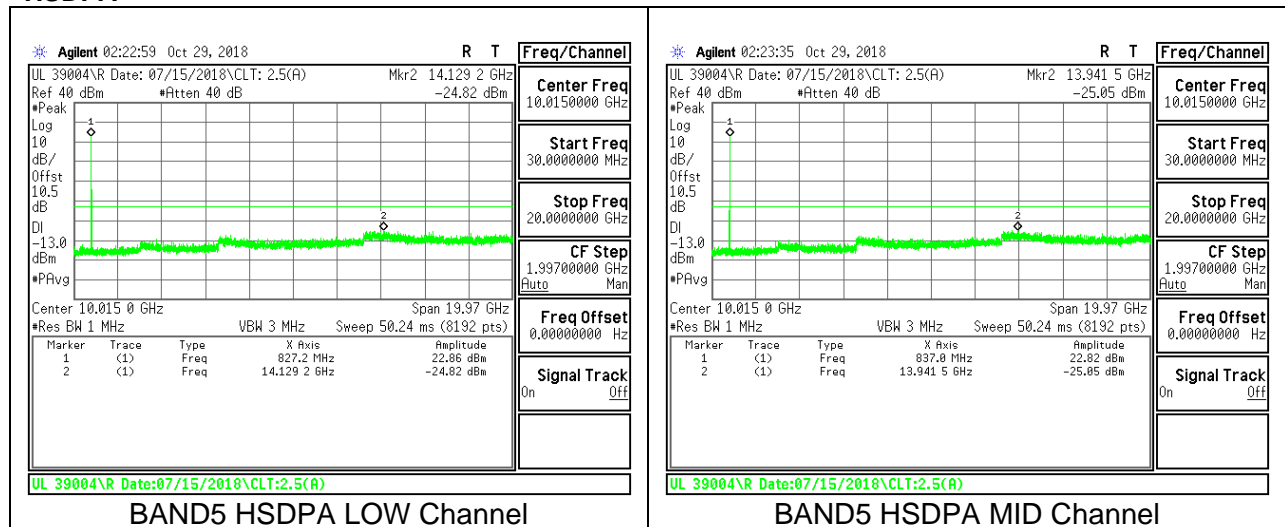


9.3.3. WCDMA BAND5

Rel99

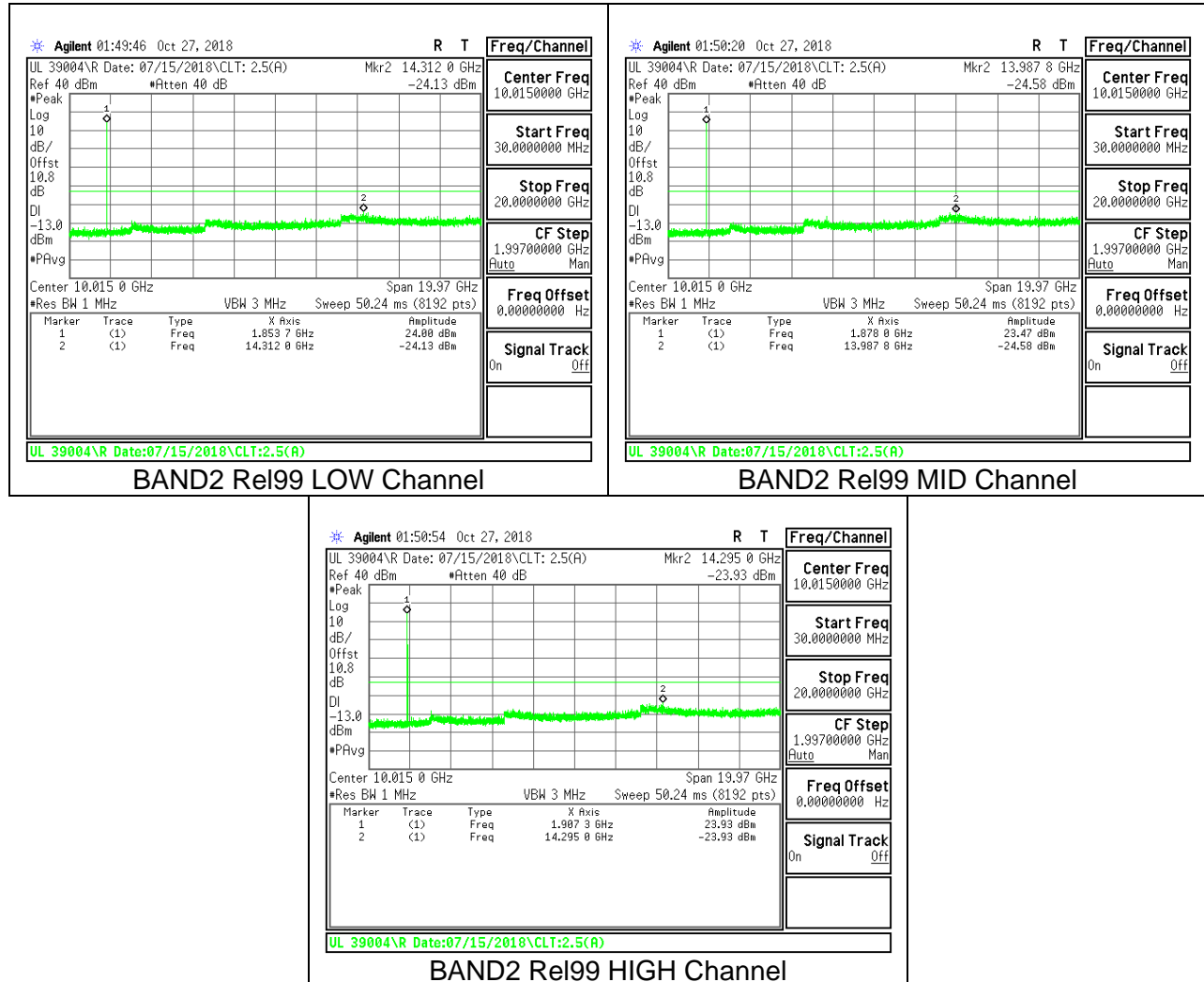


HSDPA

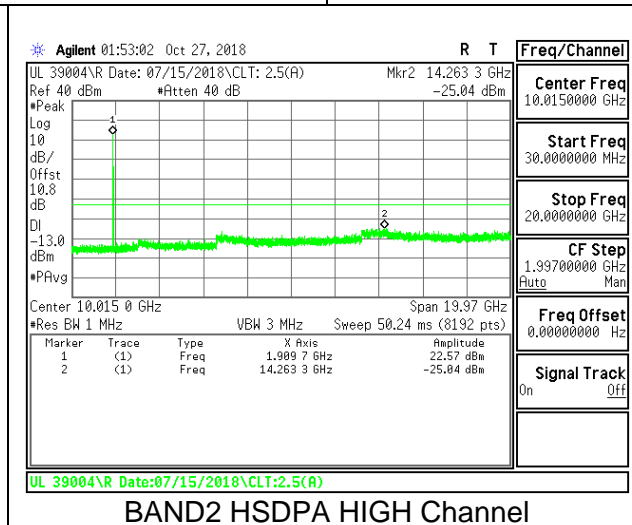
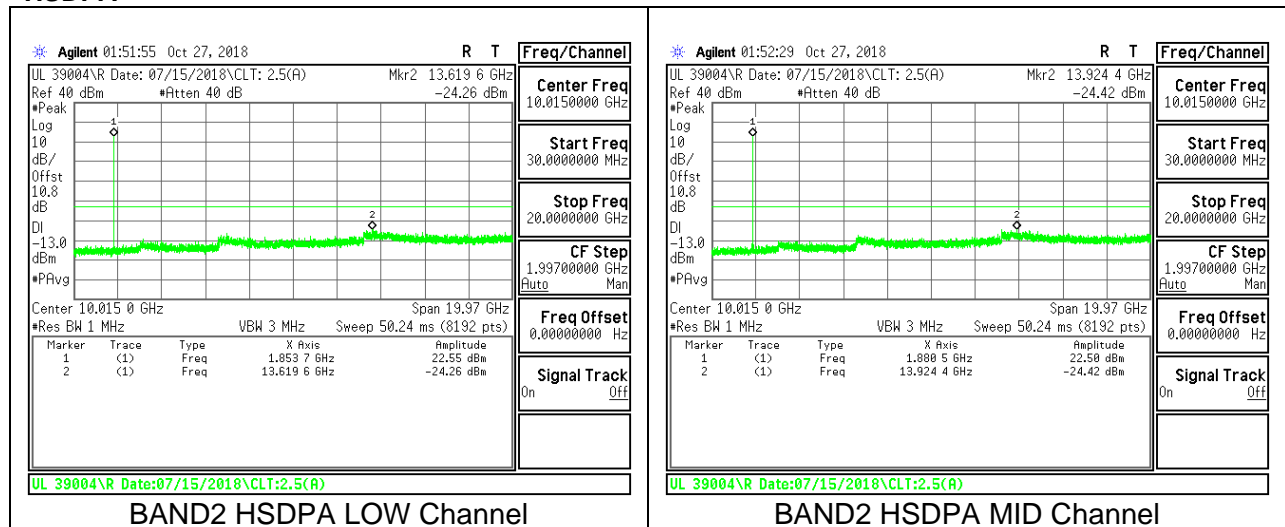


9.3.4. WCDMA BAND2

Rel99

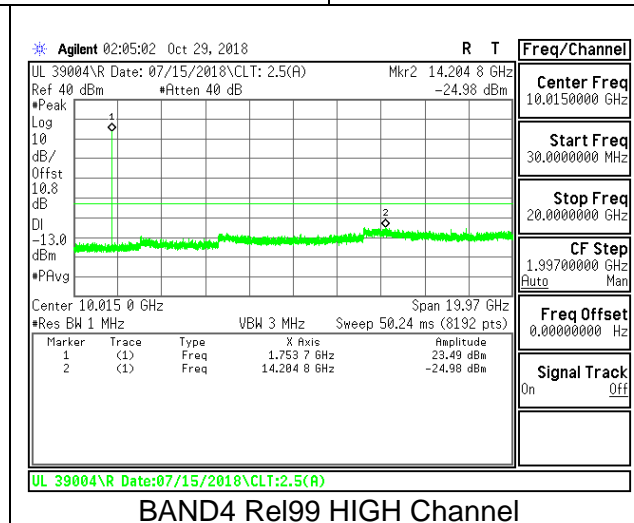
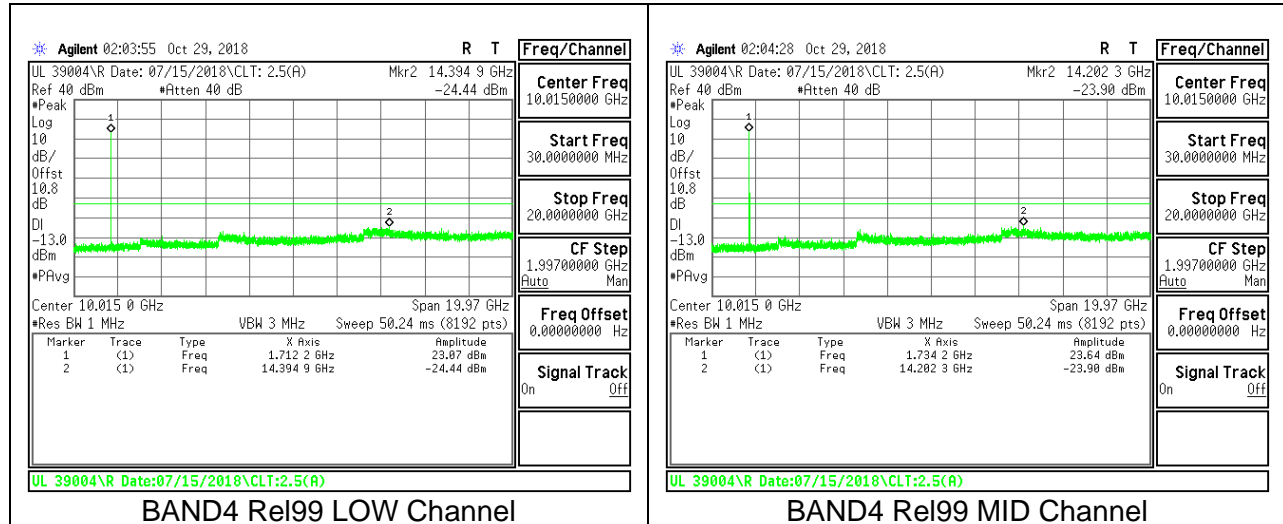


HSDPA

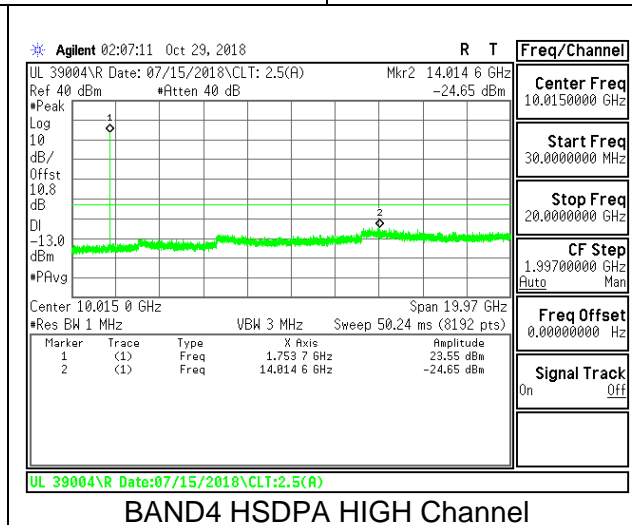
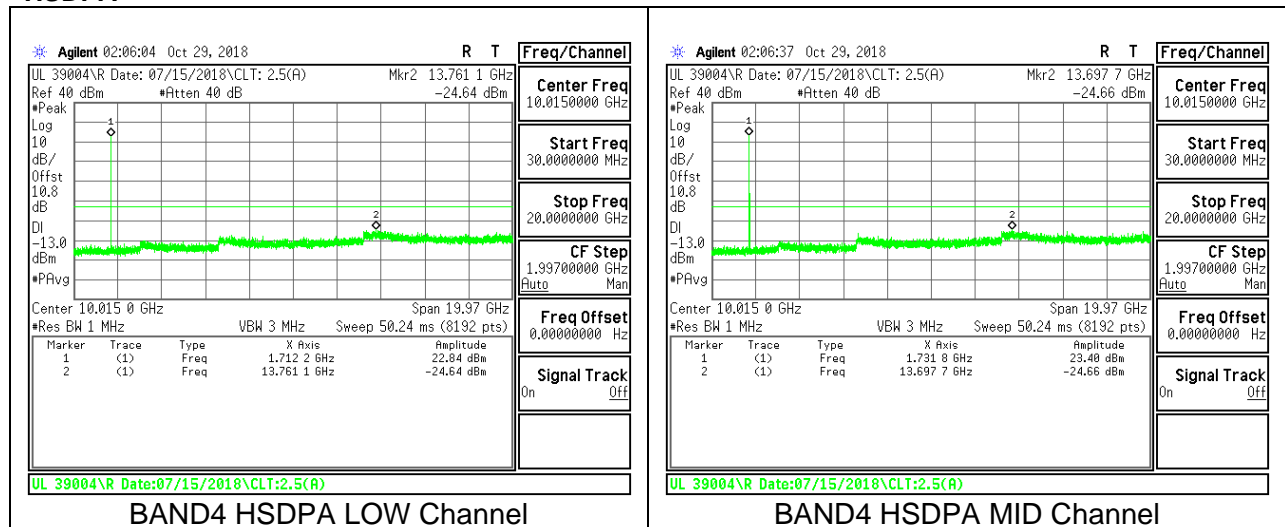


9.3.5. WCDMA BAND4

Rel99



HSDPA



9.3.6. LTE BAND 2

