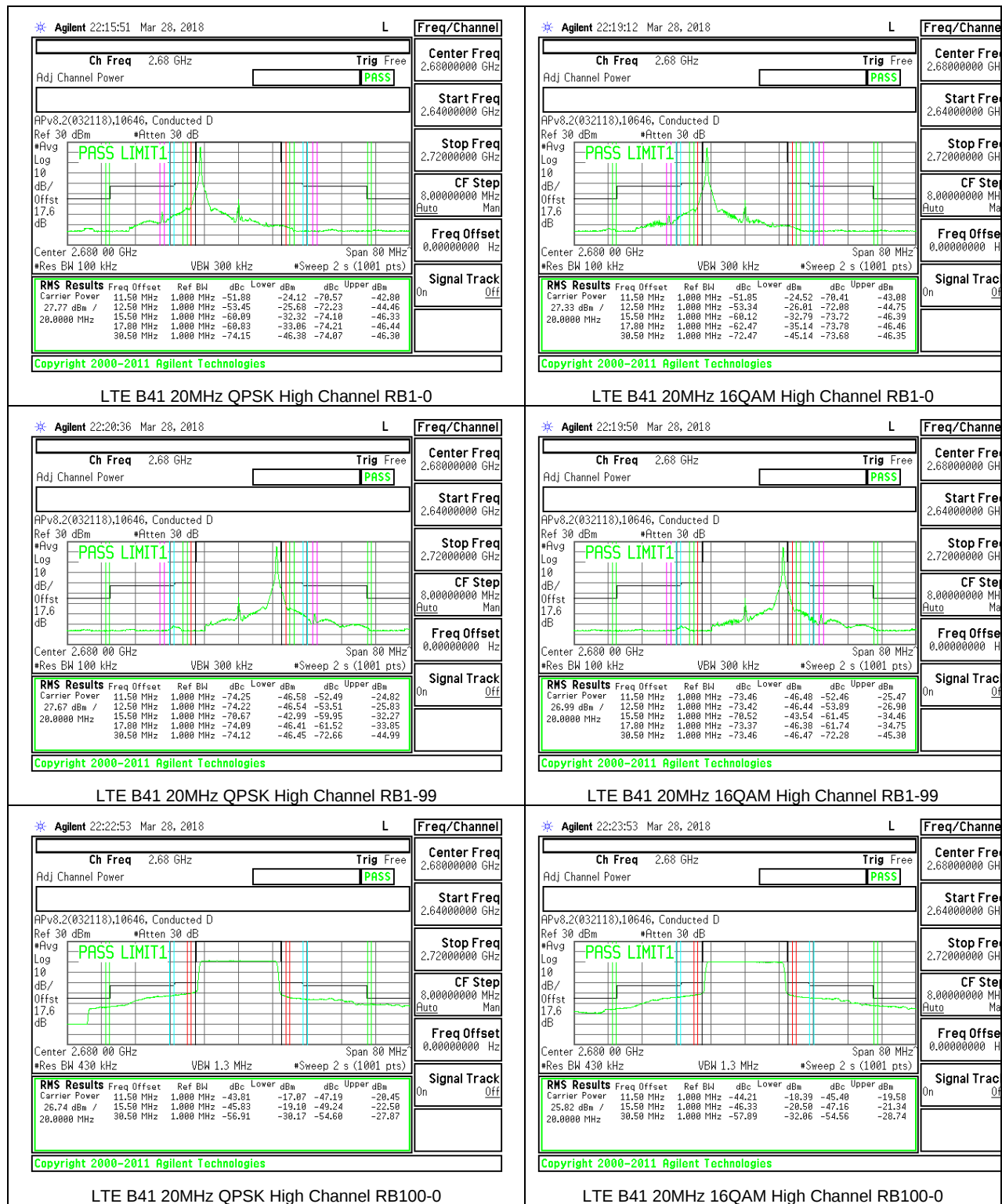
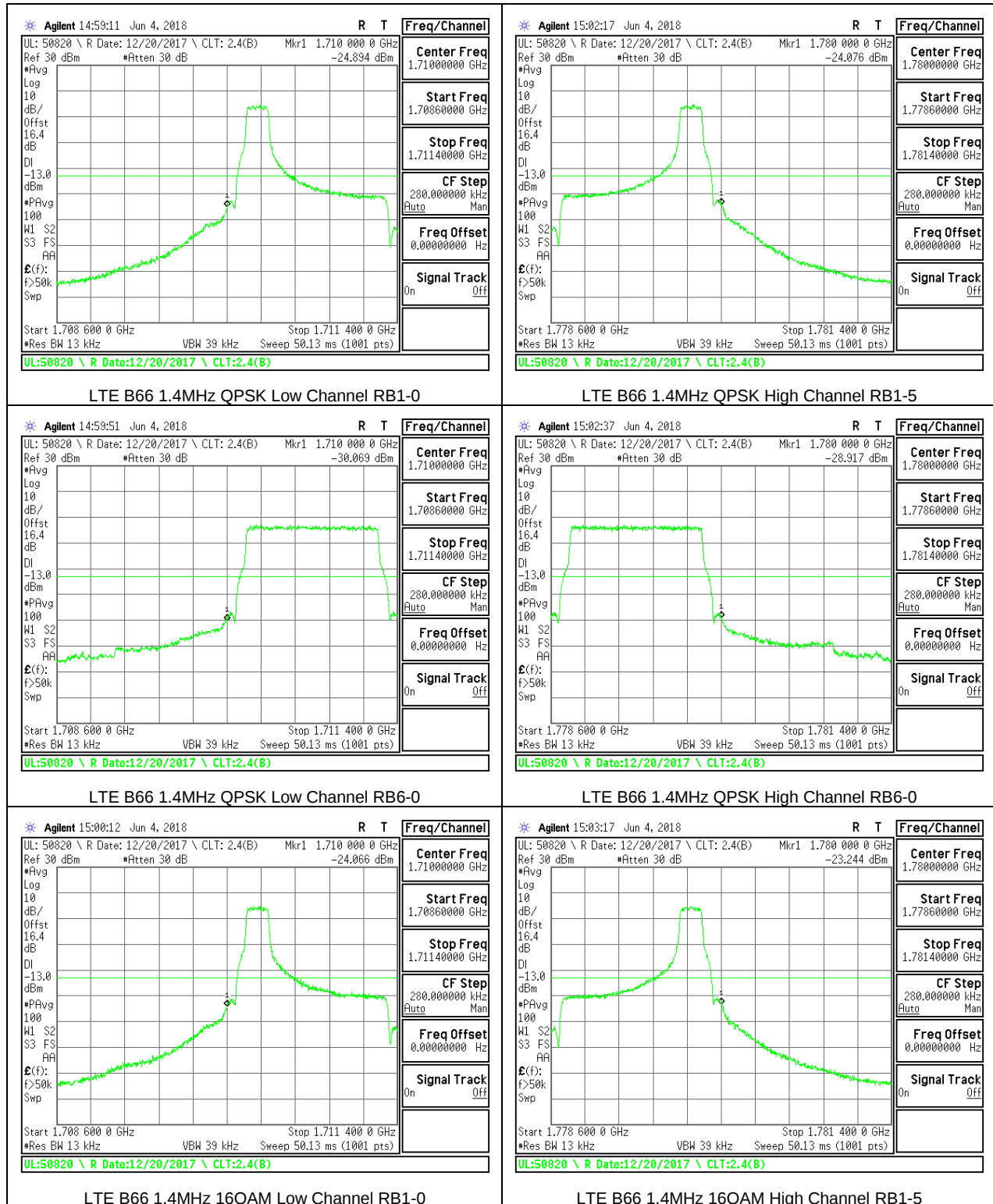
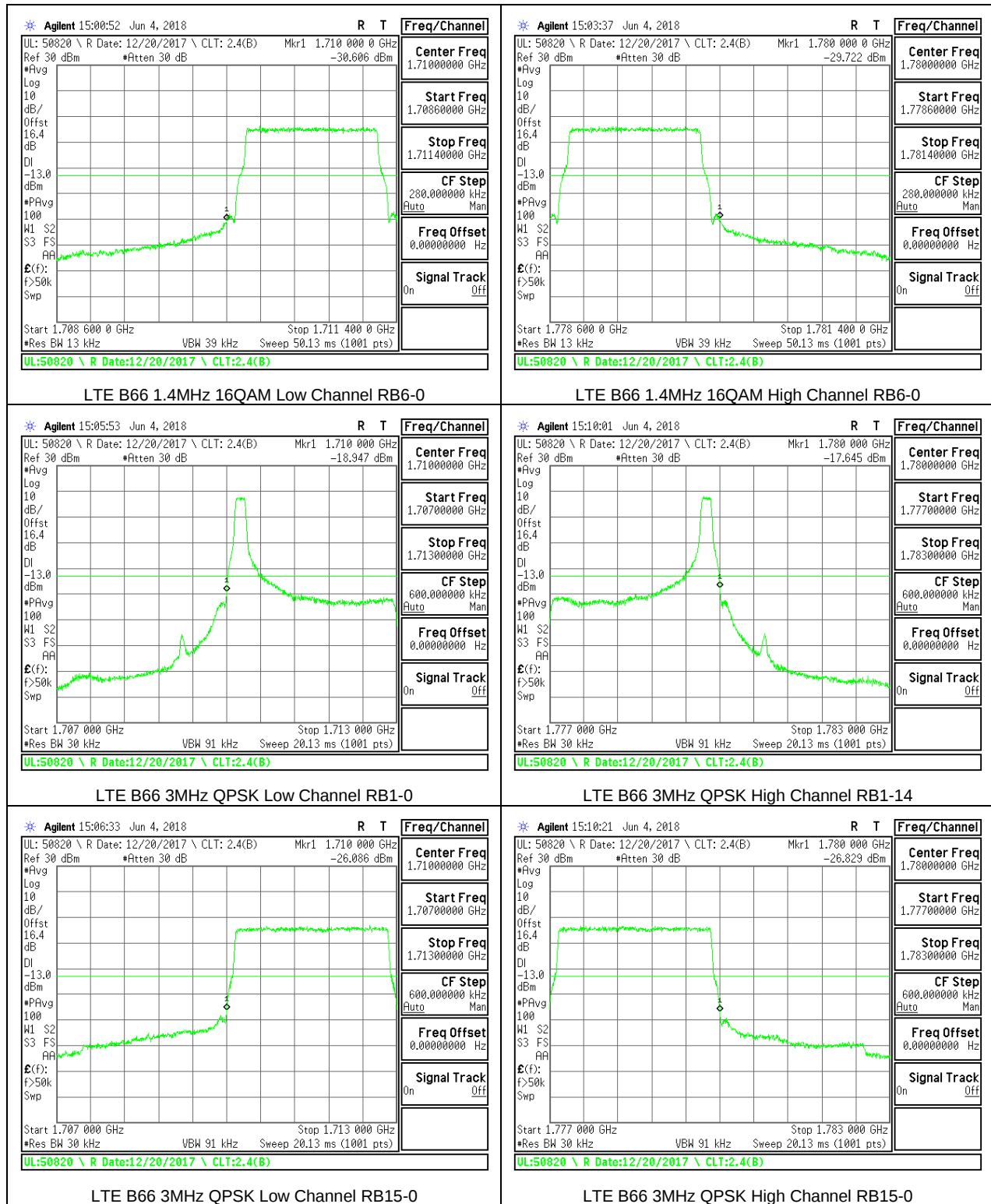
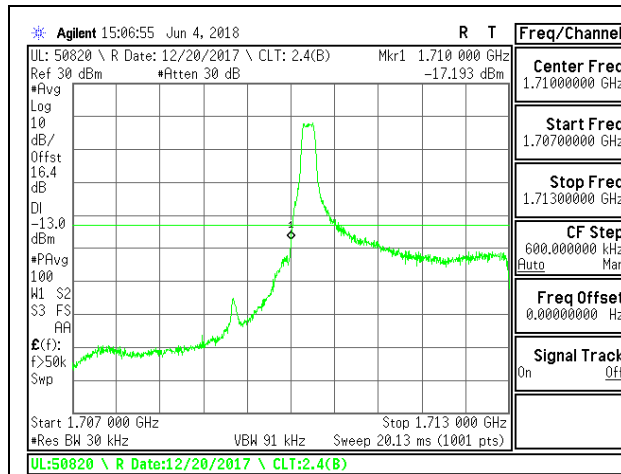




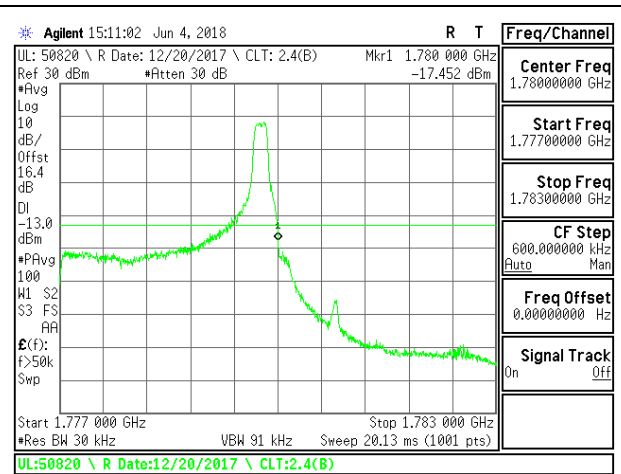
8.2.12. LTE BAND 66 BANDEDGE



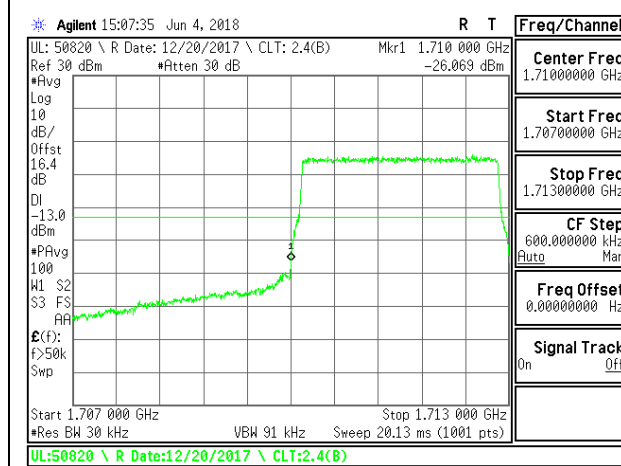




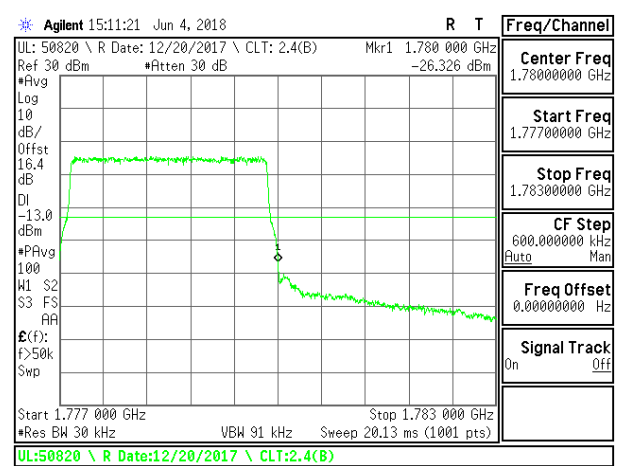
LTE B66 3MHz 16QAM Low Channel RB1-0



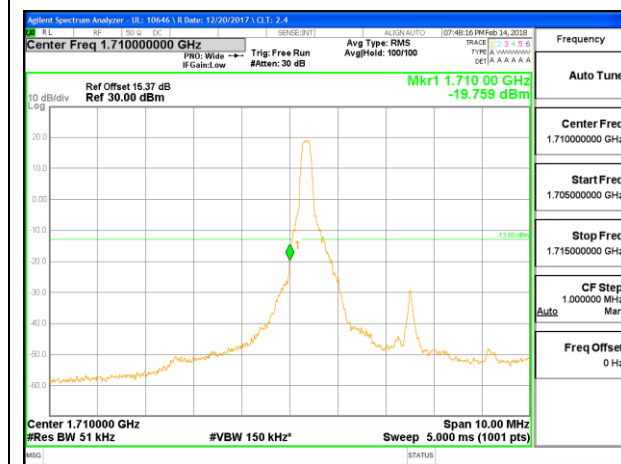
LTE B66 3MHz 16QAM High Channel RB1-14



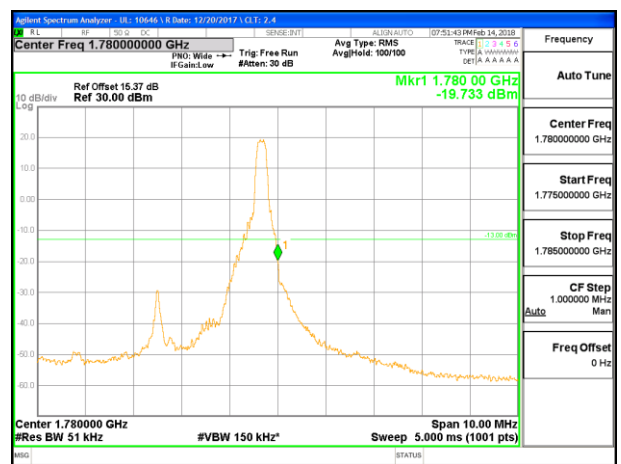
LTE B66 3MHz 16QAM Low Channel RB15-0



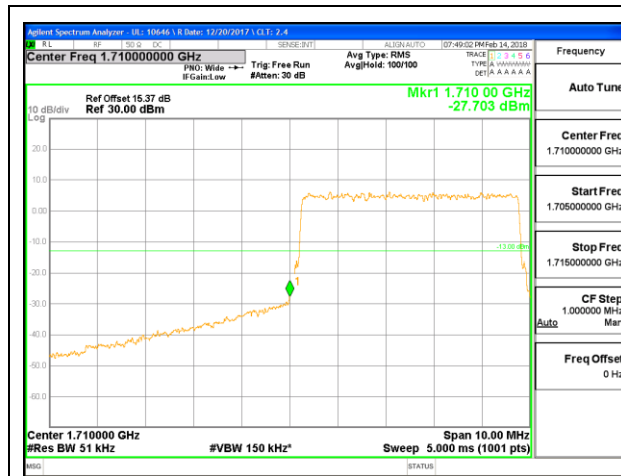
LTE B66 3MHz 16QAM High Channel RB15-0



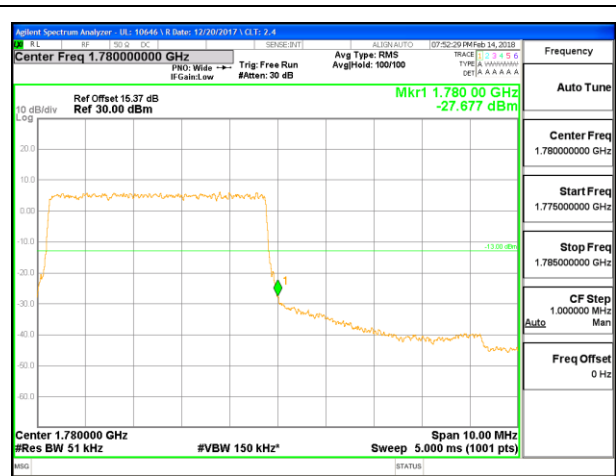
LTE B66 5MHz QPSK Low Channel RB1-0



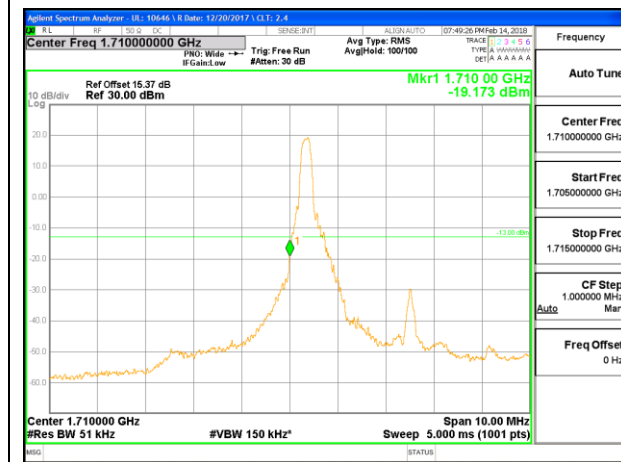
LTE B66 5MHz QPSK High Channel RB1-0



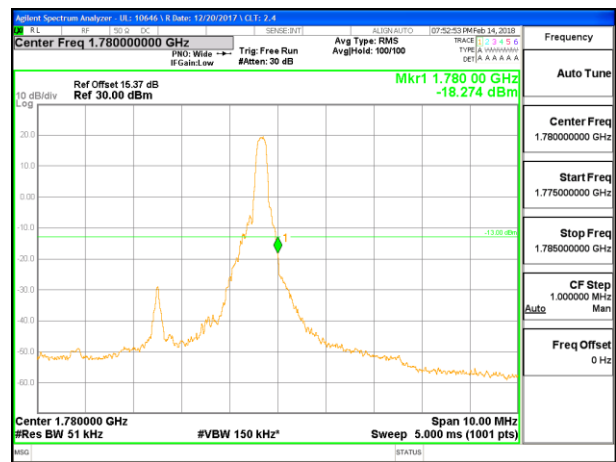
LTE B66 5MHz QPSK Low Channel RB25-0



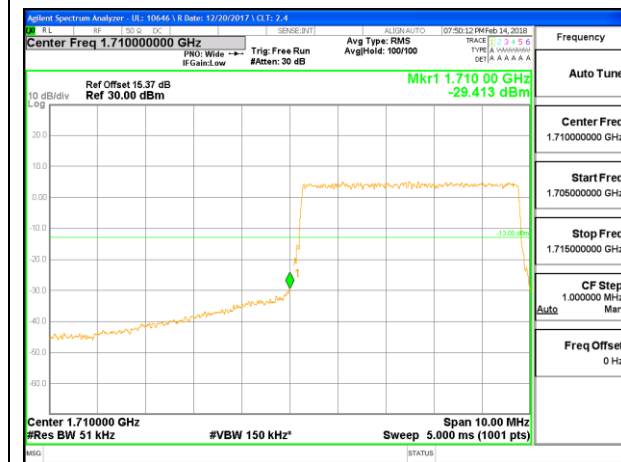
LTE B66 5MHz QPSK High Channel RB25-0



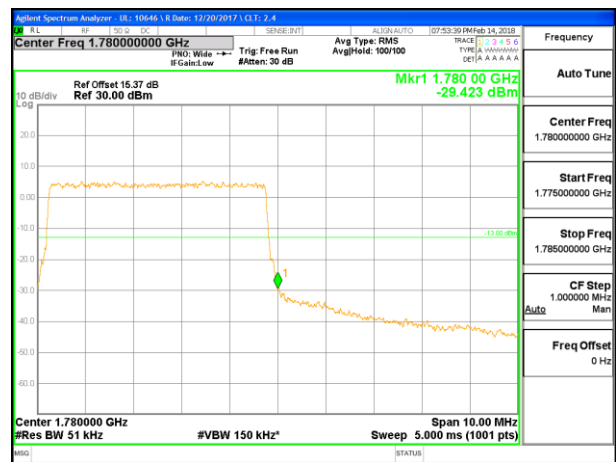
LTE B66 5MHz 16QAM Low Channel RB1-0



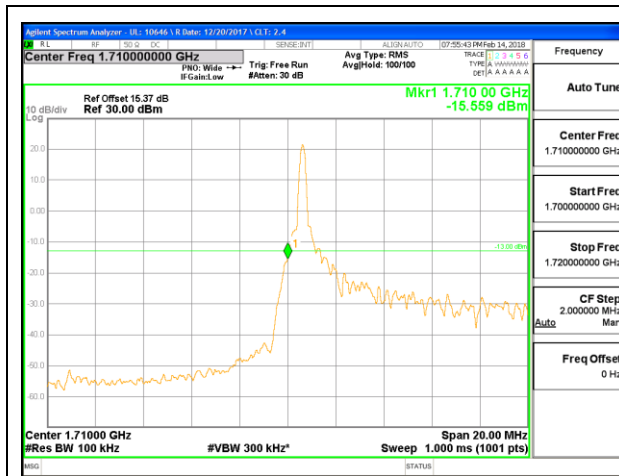
LTE B66 5MHz 16QAM High Channel RB1-0



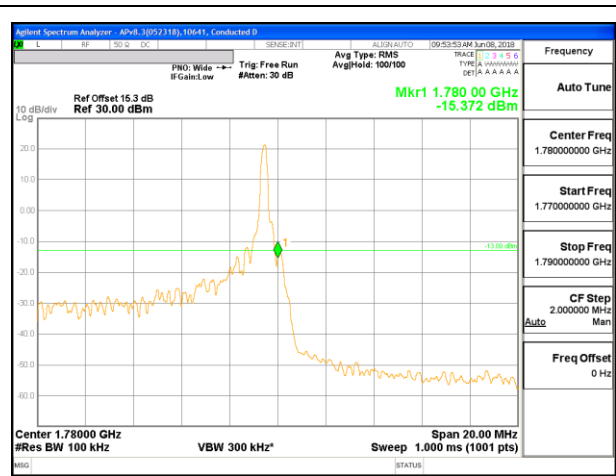
LTE B66 5MHz 16QAM Low Channel RB25-0



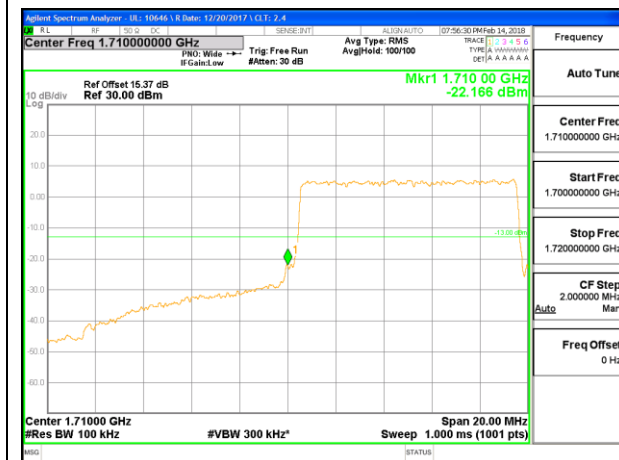
LTE B66 5MHz 16QAM High Channel RB25-0



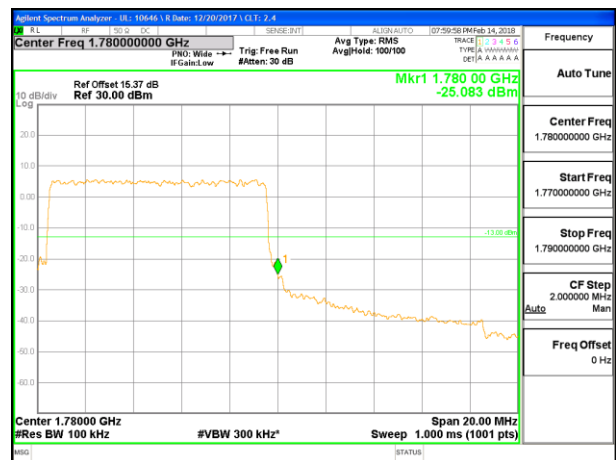
LTE B66 10MHz QPSK Low Channel RB1-0



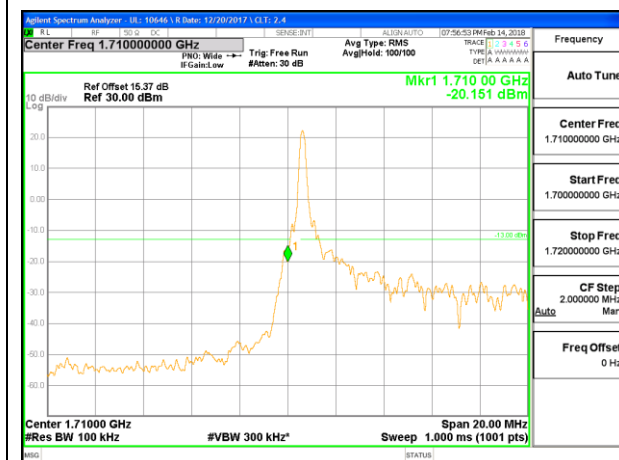
LTE B66 10MHz QPSK High Channel RB1-0



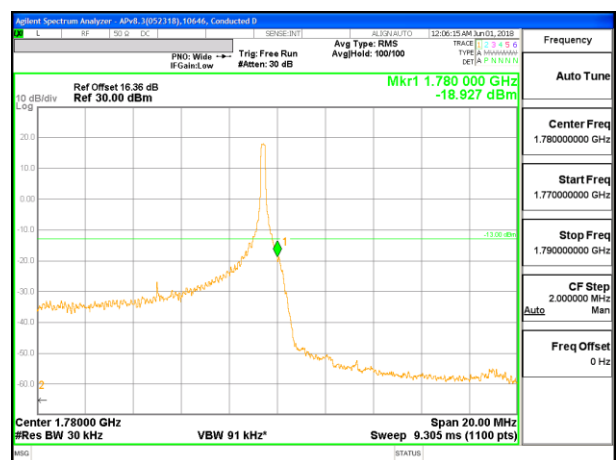
LTE B66 10MHz QPSK Low Channel RB50-0



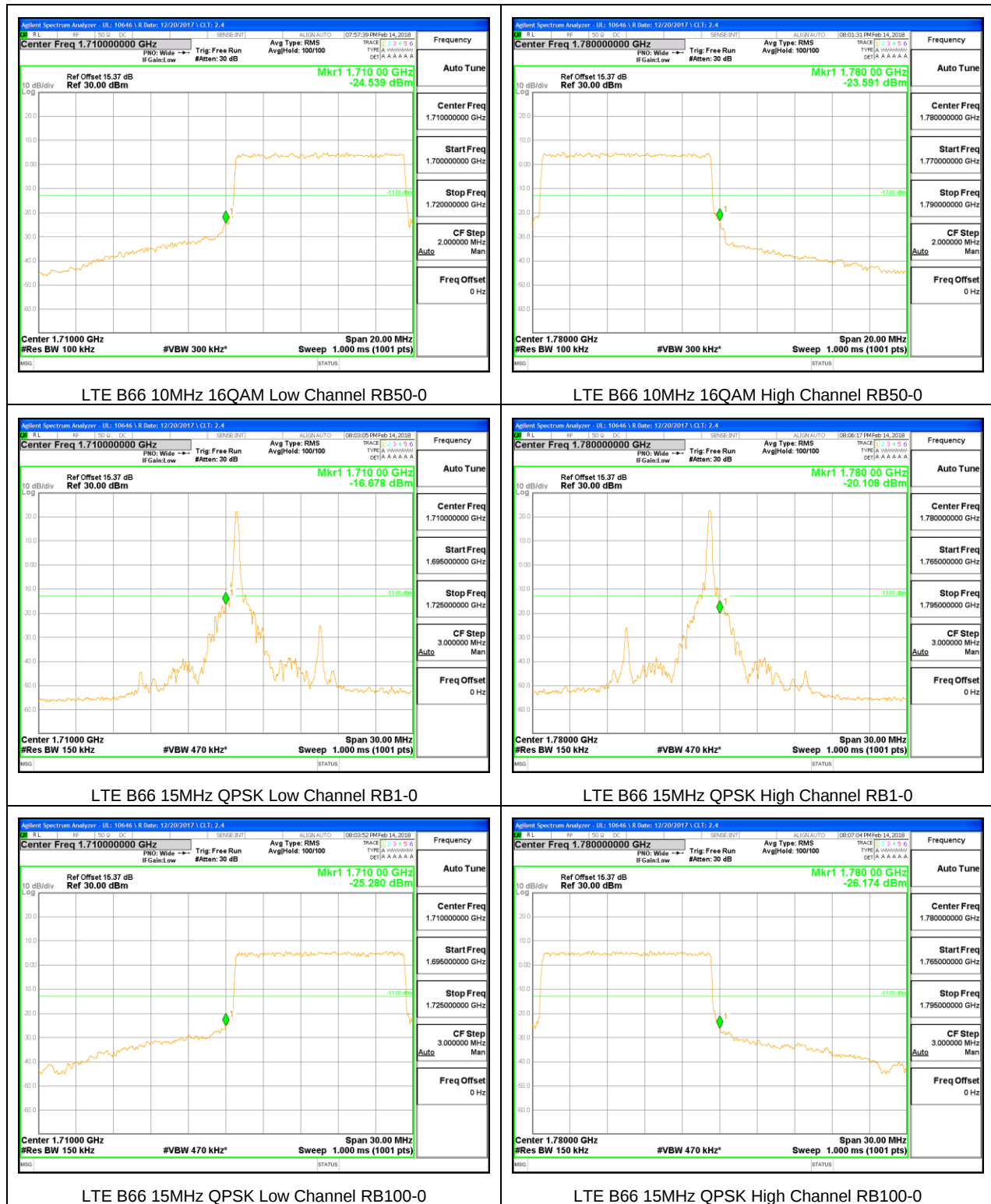
LTE B66 10MHz QPSK High Channel RB50-0

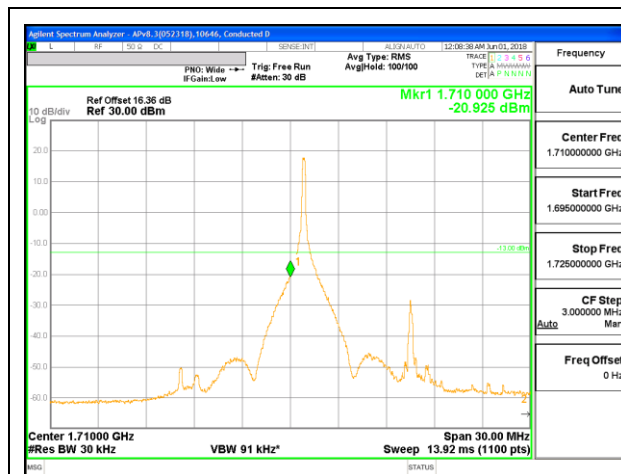


LTE B66 10MHz 16QAM Low Channel RB1-0



LTE B66 10MHz 16QAM High Channel RB1-0

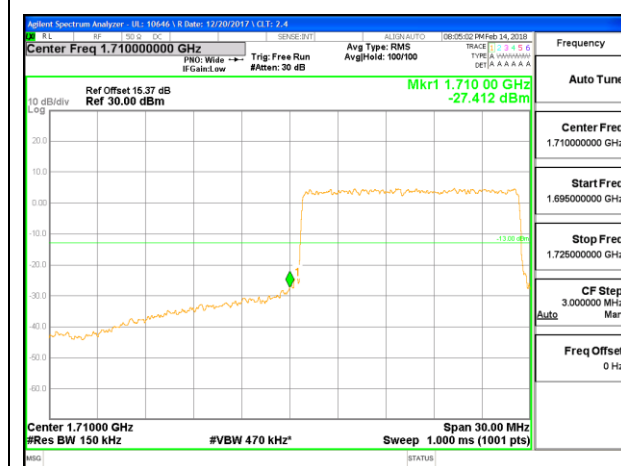




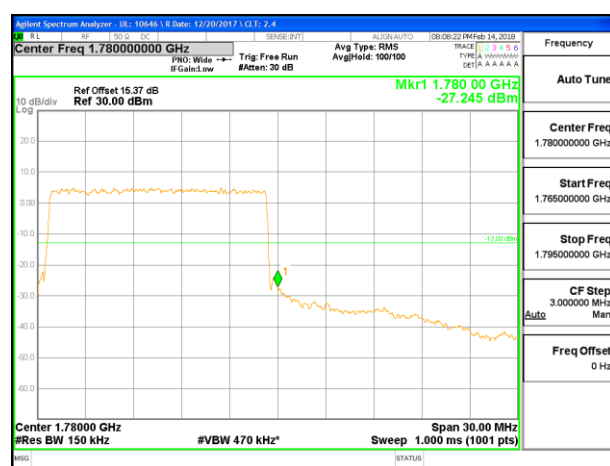
LTE B66 15MHz 16QAM Low Channel RB1-0



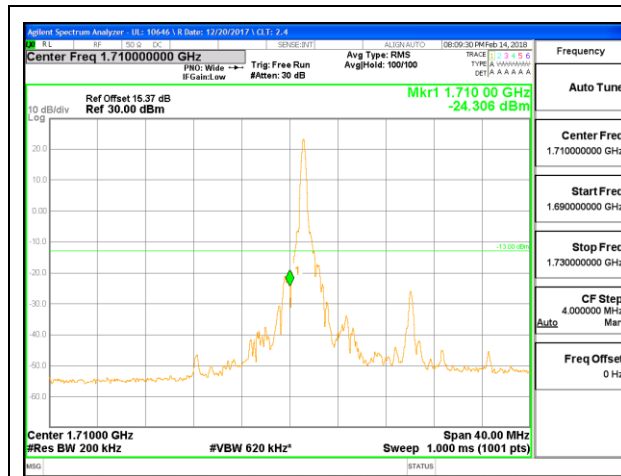
LTE B66 15MHz 16QAM High Channel RB1-0



LTE B66 15MHz 16QAM Low Channel RB75-0



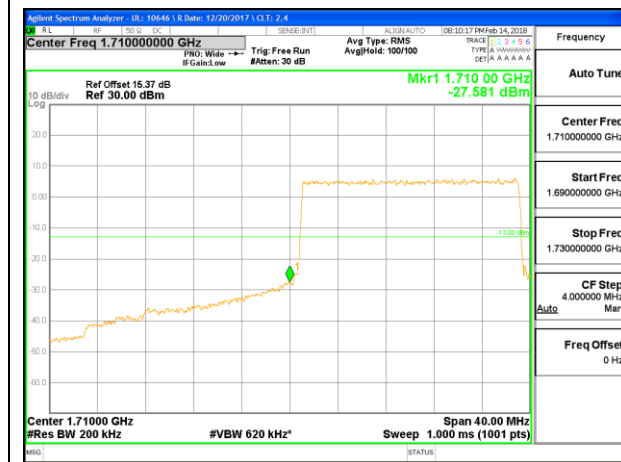
LTE B66 15MHz 16QAM High Channel RB75-0



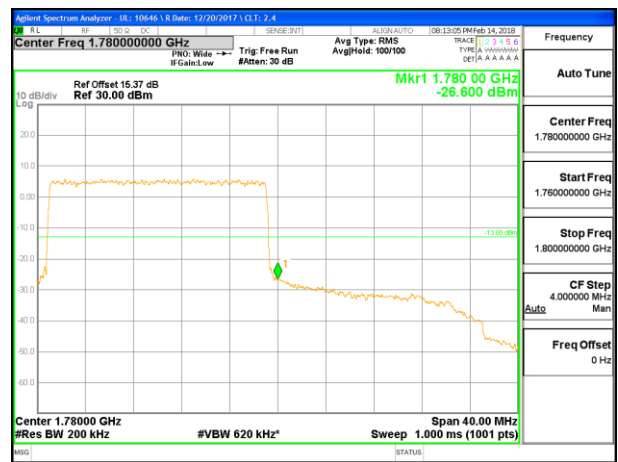
LTE B66 20MHz QPSK Low Channel RB1-0



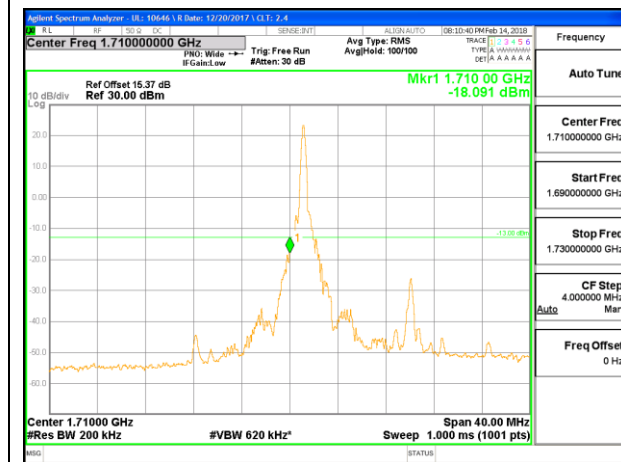
LTE B66 20MHz QPSK High Channel RB1-0



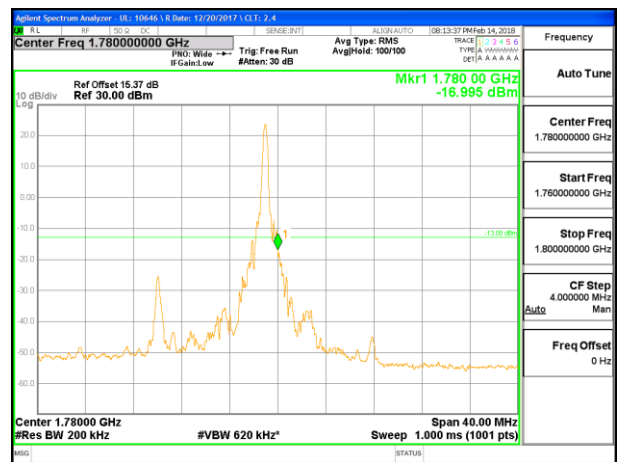
LTE B66 20MHz QPSK Low Channel RB100-0



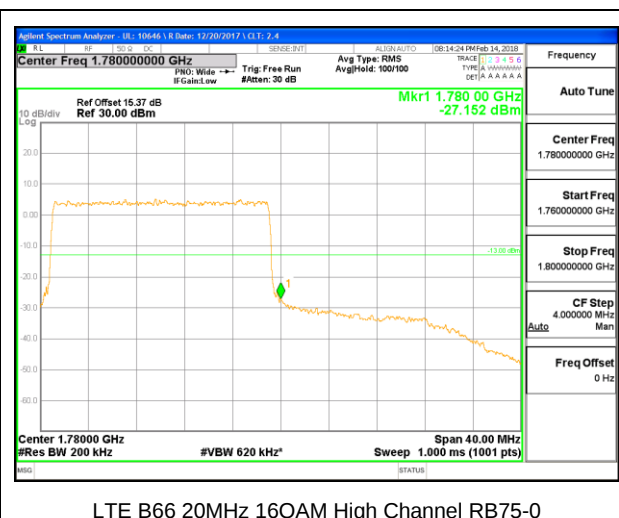
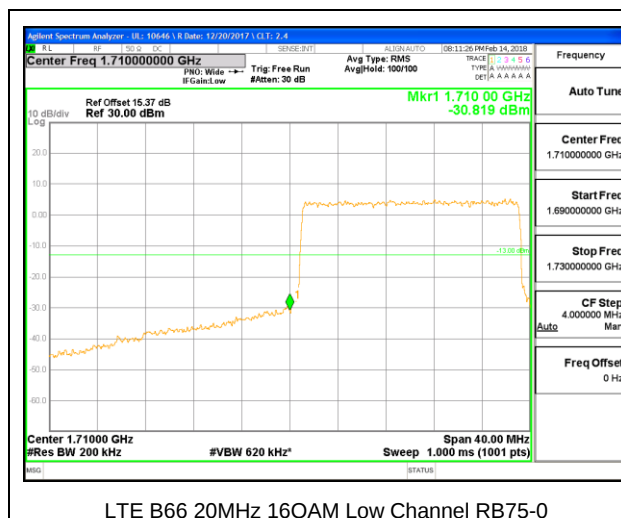
LTE B66 20MHz QPSK High Channel RB100-0



LTE B66 20MHz 16QAM Low Channel RB1-0



LTE B66 20MHz 16QAM High Channel RB1-74



8.3. OUT OF BAND EMISSIONS

RULE PART(S)

§2.1051, §22.901, §22.917, §24.238, §27.53, §90.691 and §90.543

LIMITS

FCC: §22.917, §24.238, §27.53 (c), (g), (h), §90.691, §90.543 (Band 14)

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

FCC: §27.53 (a) (Band 30)

The minimum permissible attenuation level of any spurious emissions is $70 + 10 \log (P)$ 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.

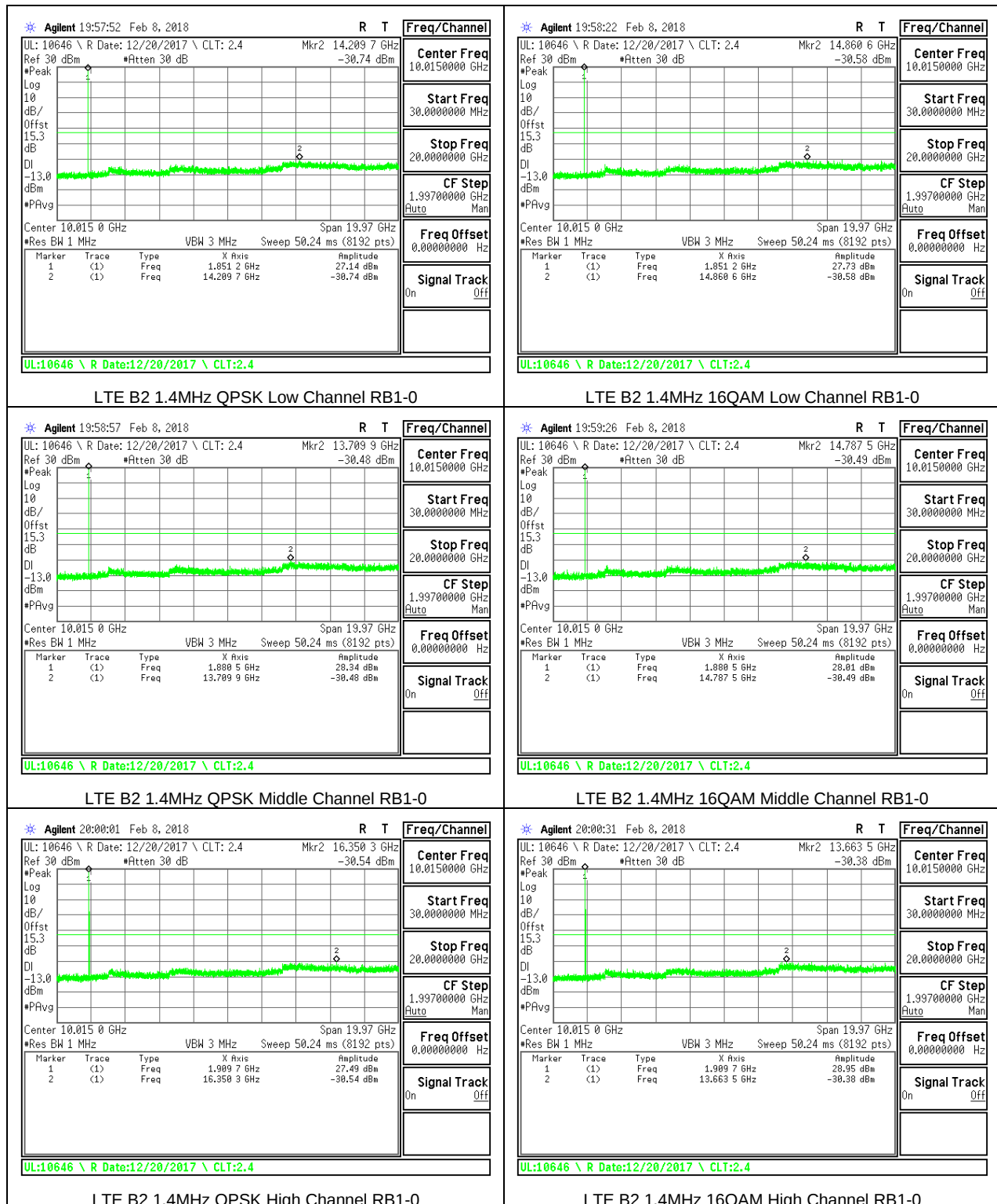
For each out of band emissions measurement:

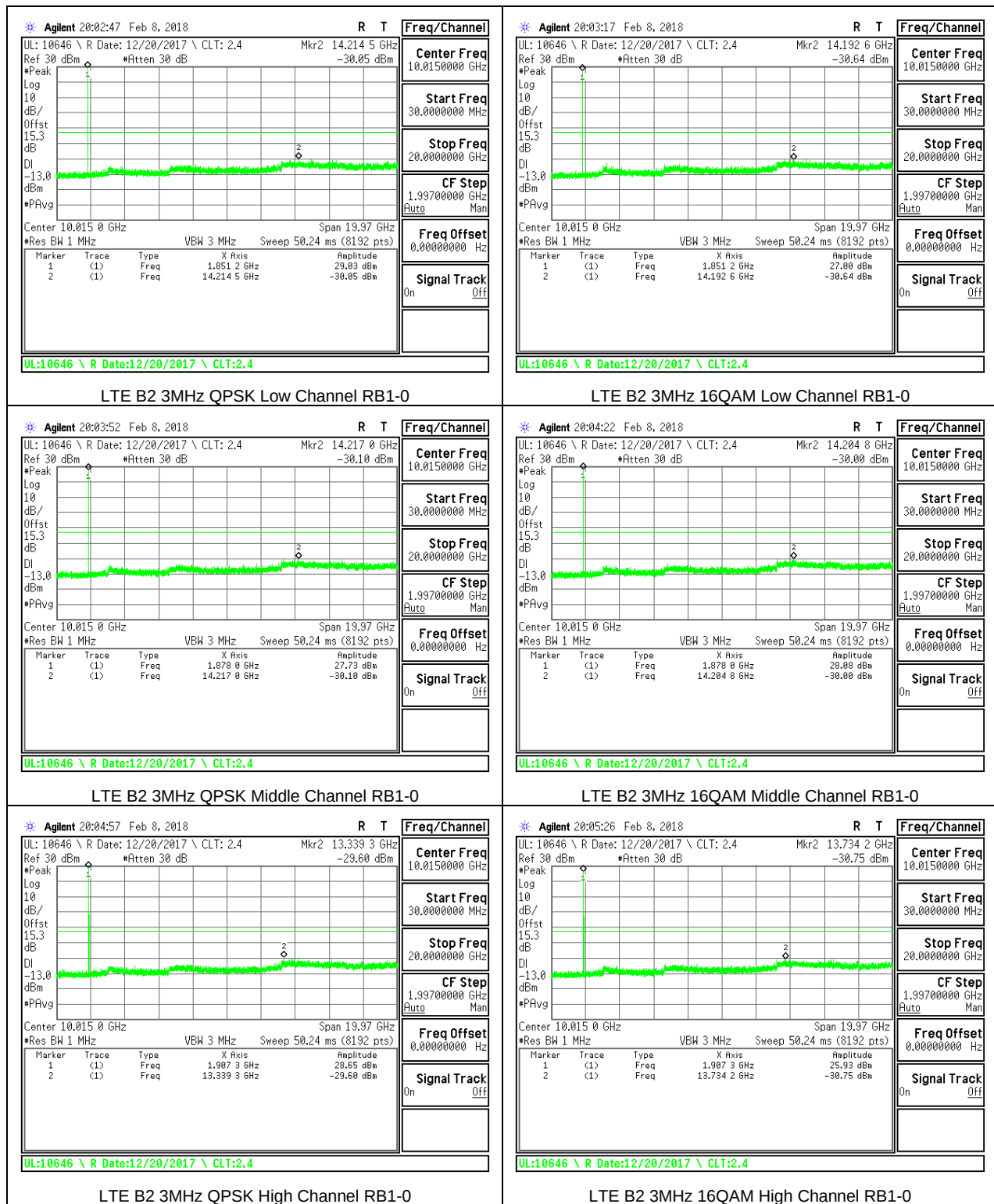
- Set display line at -13 dBm, -25dBm and -40dBm according to the band Limit
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

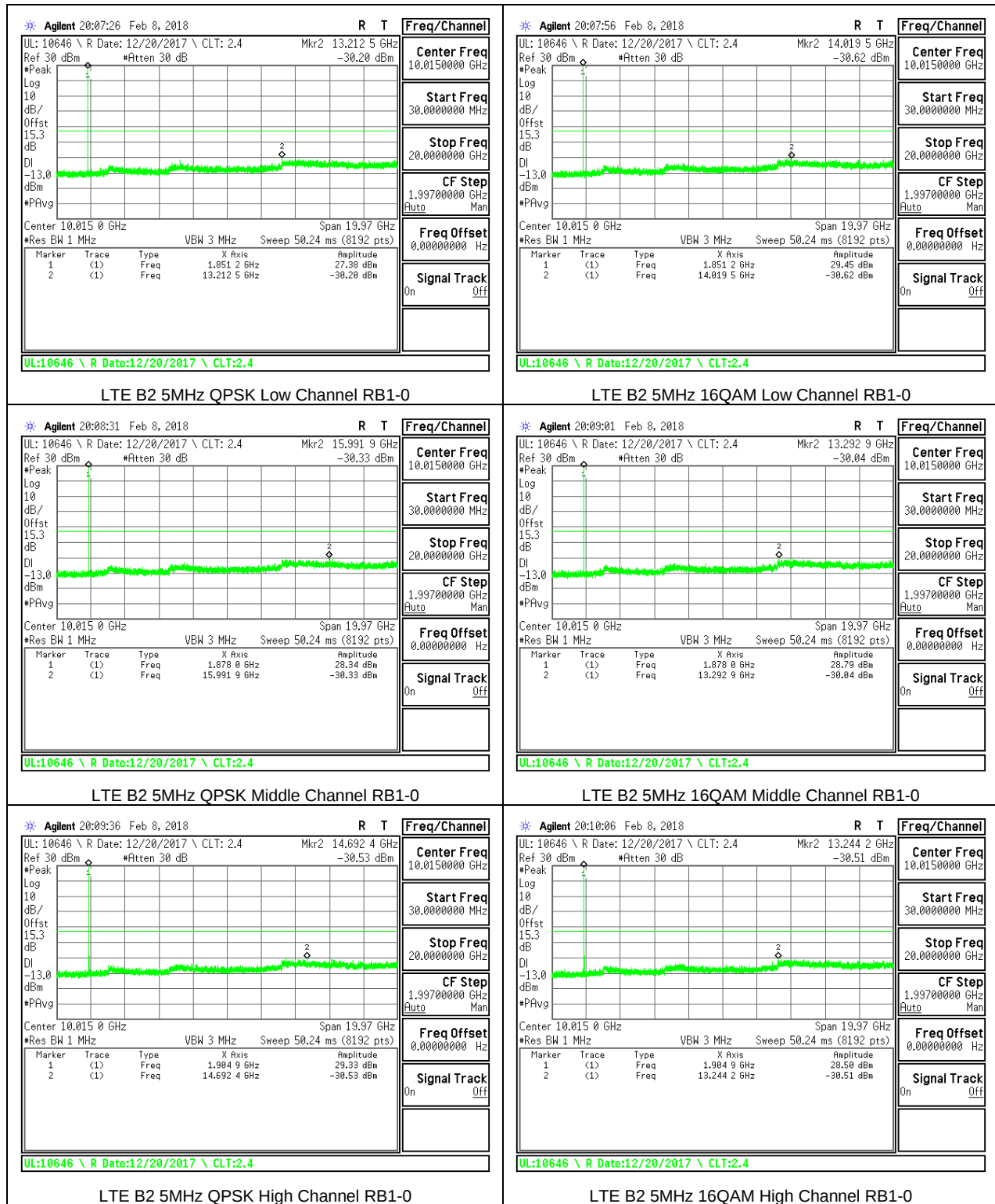
MODES TESTED

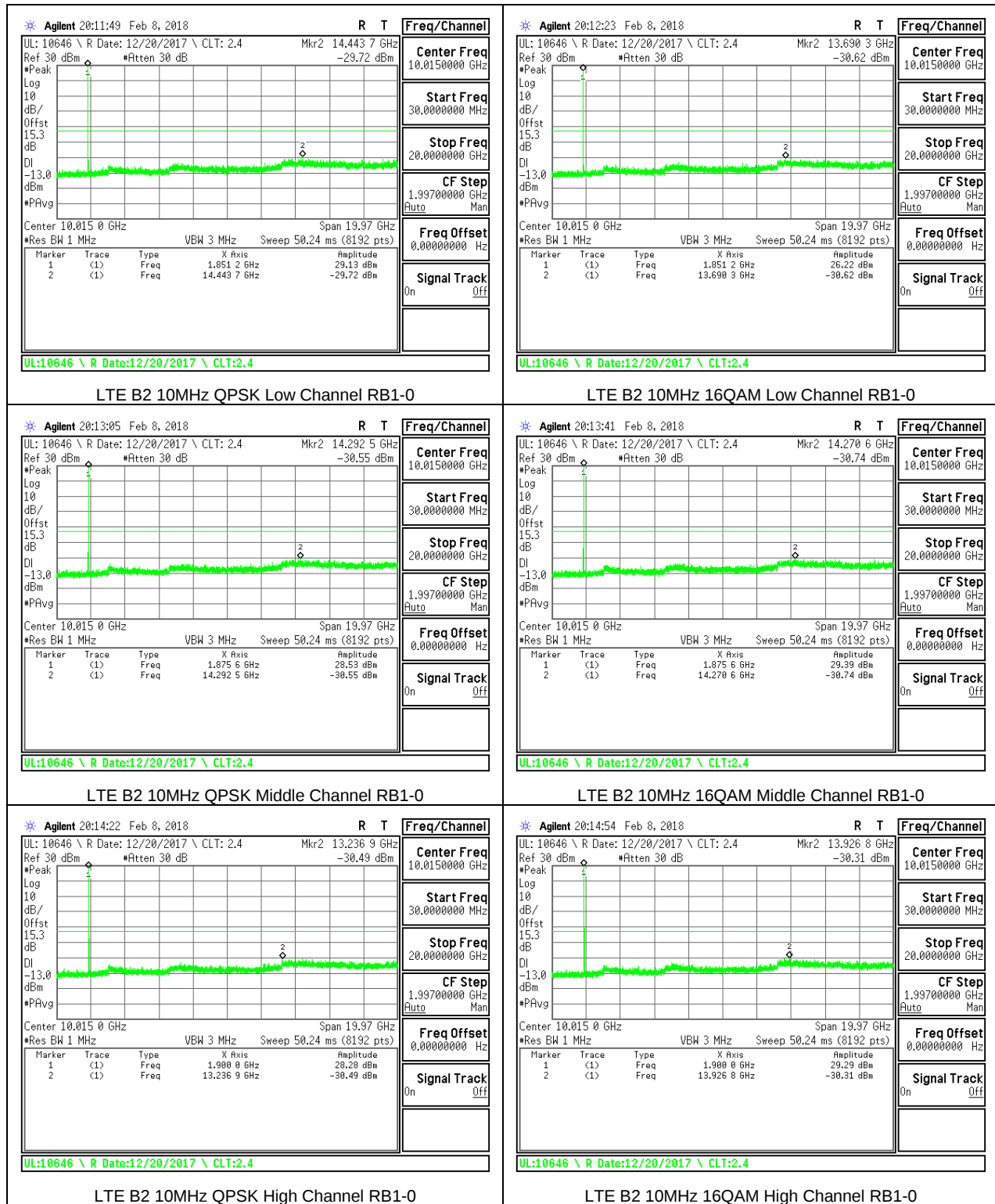
- LTE Band 2
- LTE Band 5
- LTE Band 7
- LTE Band 12
- LTE Band 13
- LTE Band 14
- LTE Band 17
- LTE Band 25
- LTE Band 26
- LTE Band 30
- LTE Band 41
- LTE Band 66

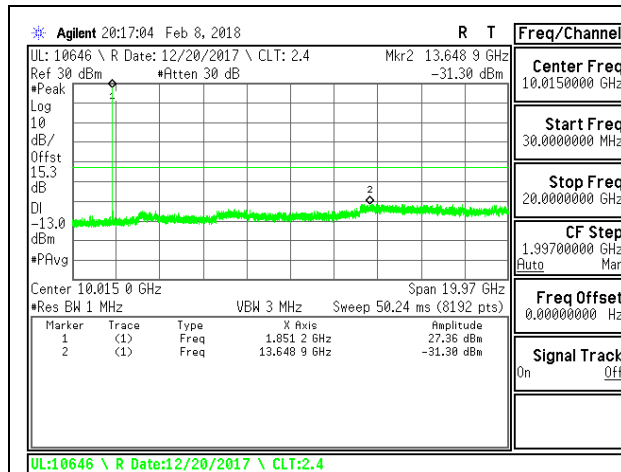
8.3.1. ANT1, LTE BAND 2



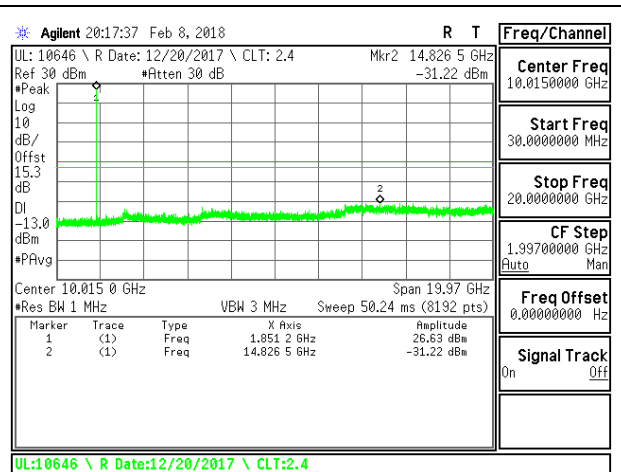




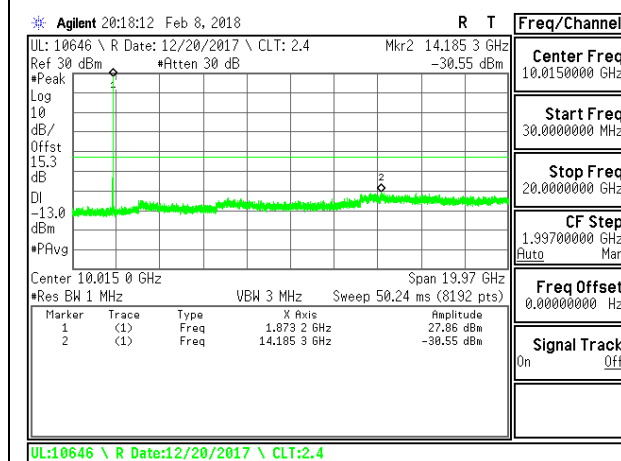




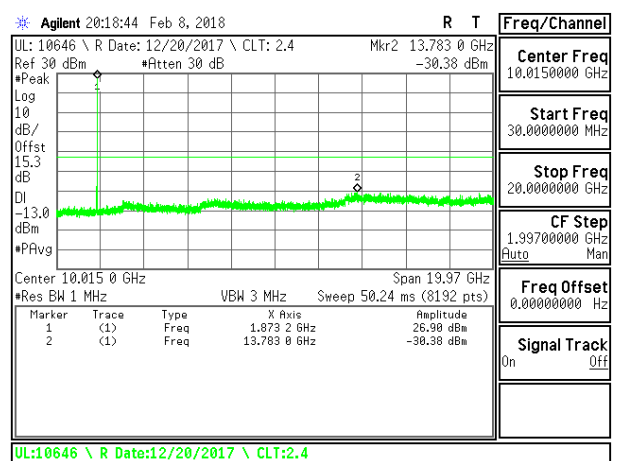
LTE B2 15MHz QPSK Low Channel RB1-0



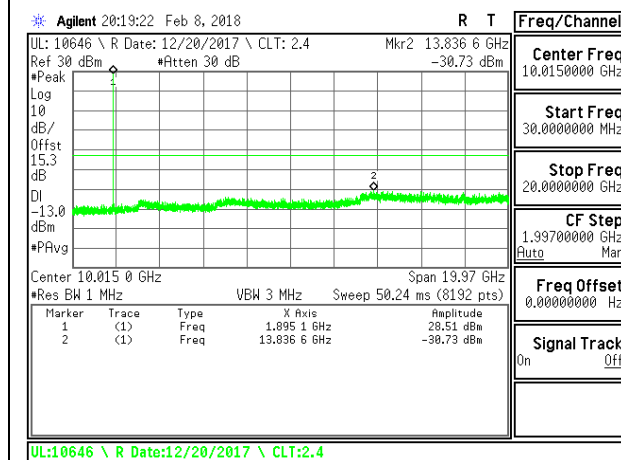
LTE B2 15MHz 16QAM Low Channel RB1-0



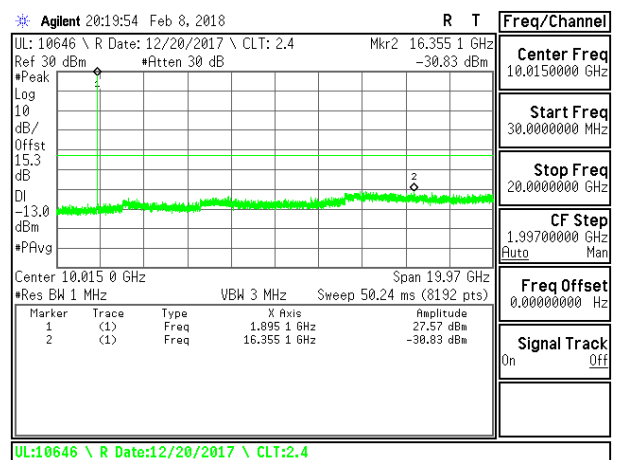
LTE B2 15MHz QPSK Middle Channel RB1-0



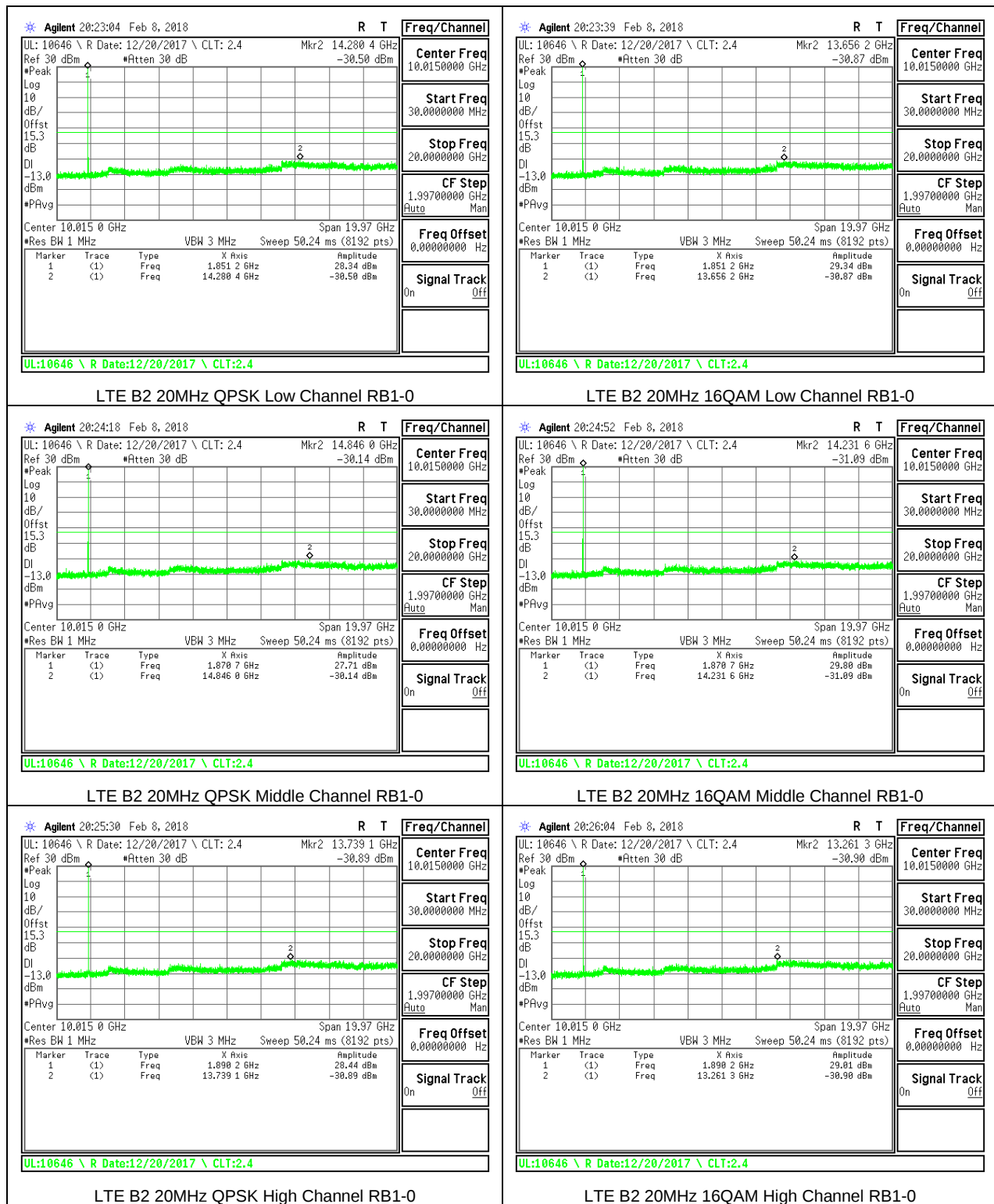
LTE B2 15MHz 16QAM Middle Channel RB1-0



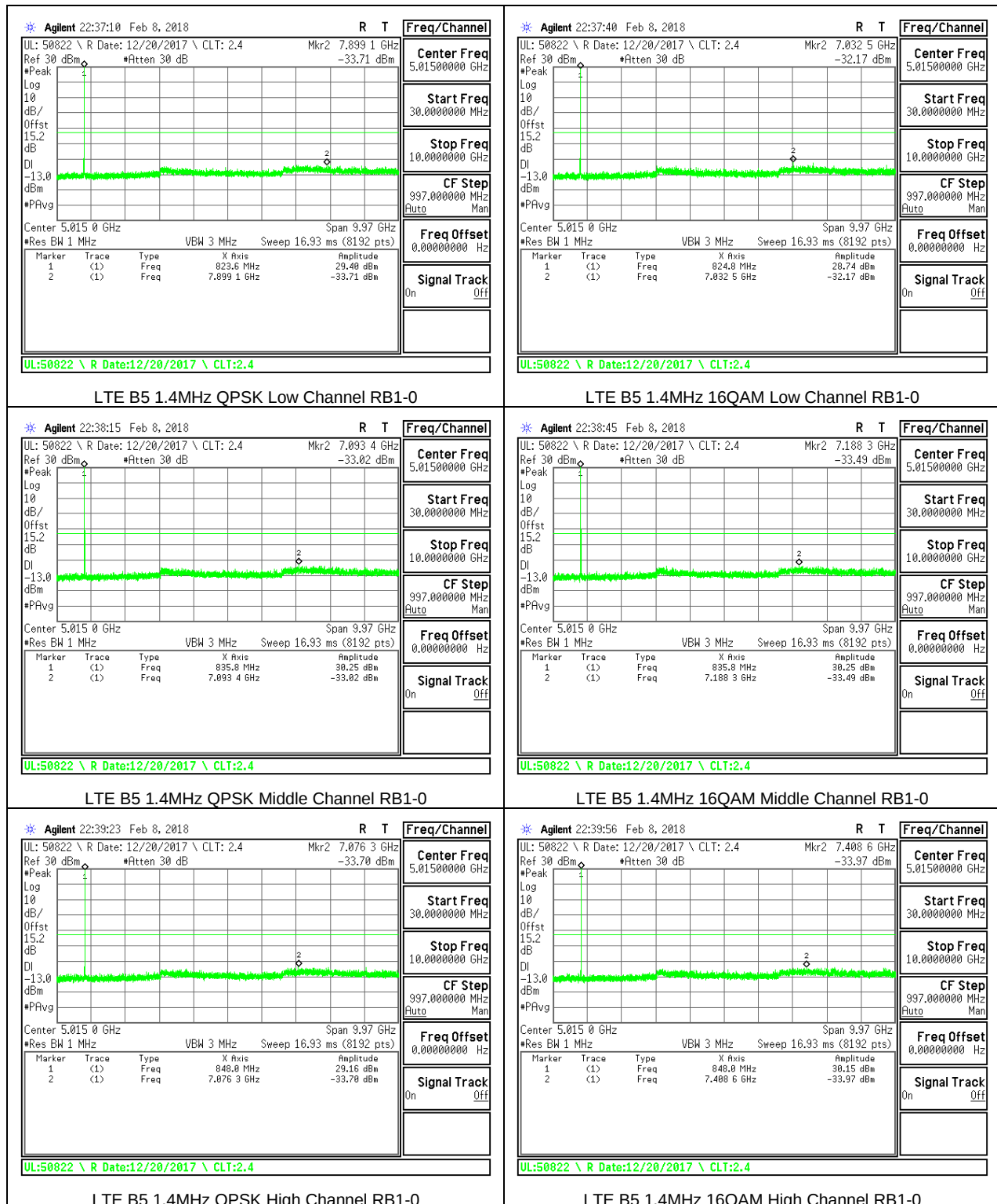
LTE B2 15MHz QPSK High Channel RB1-0

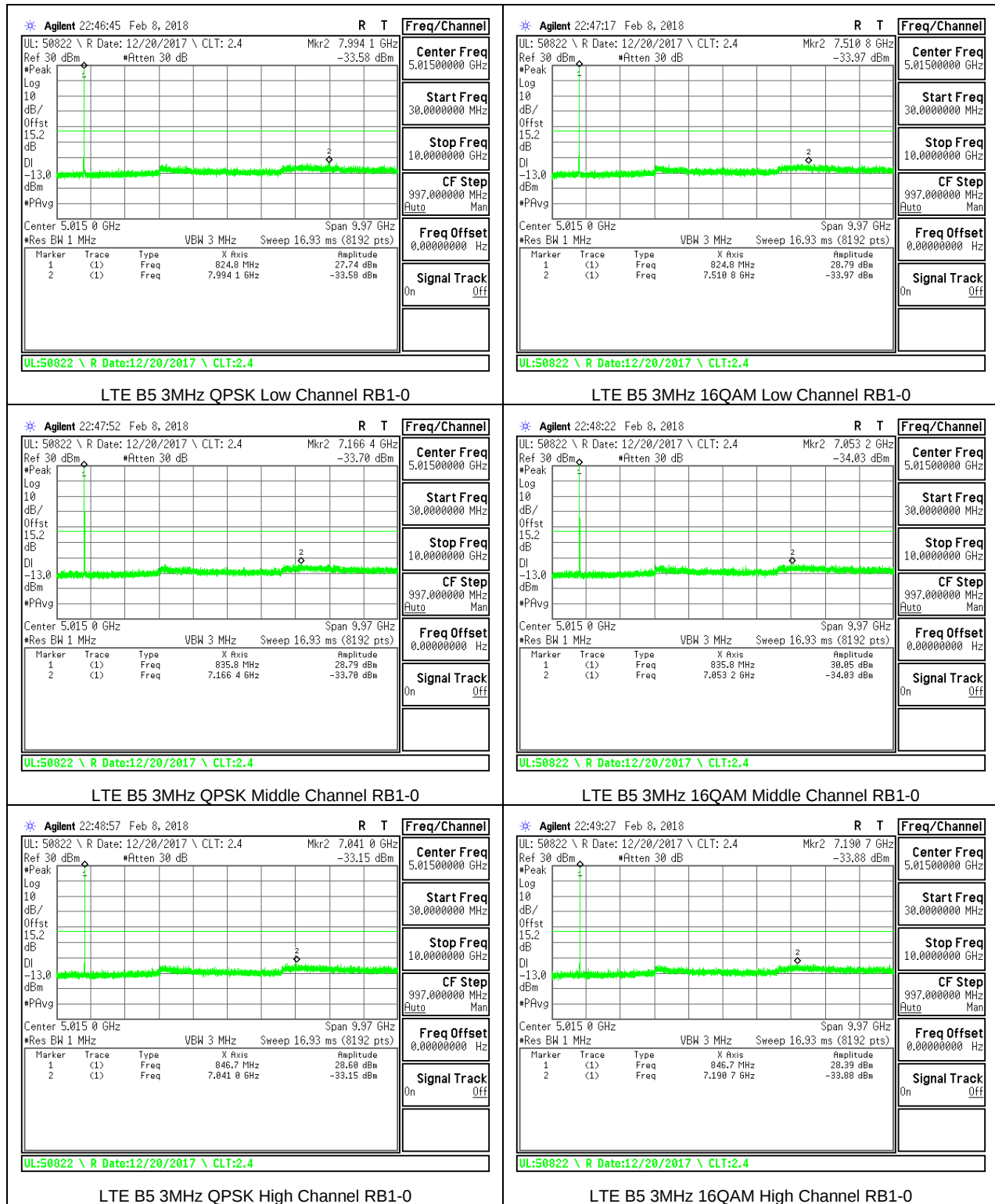


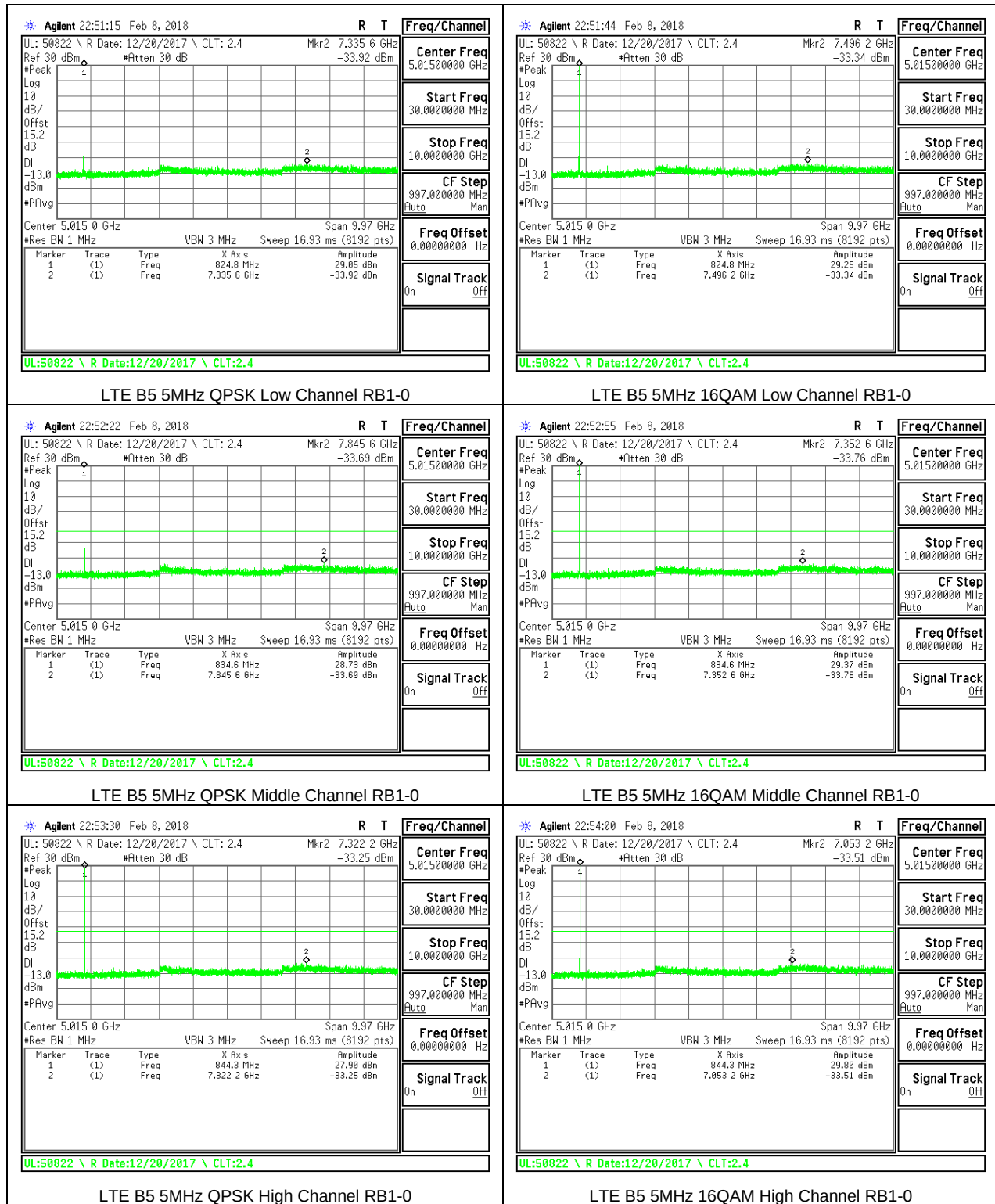
LTE B2 15MHz 16QAM High Channel RB1-0

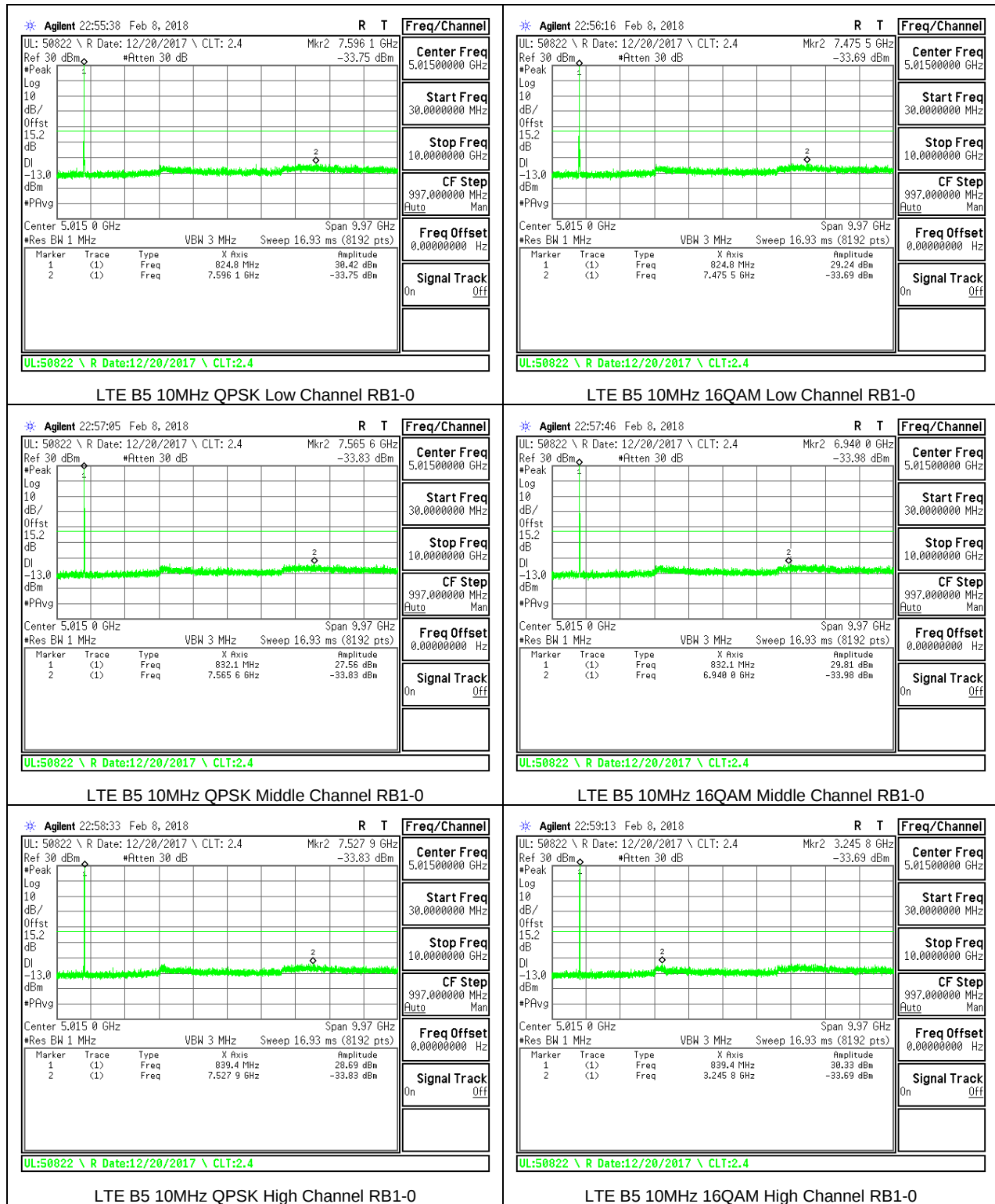


8.3.2. ANT1, LTE BAND 5

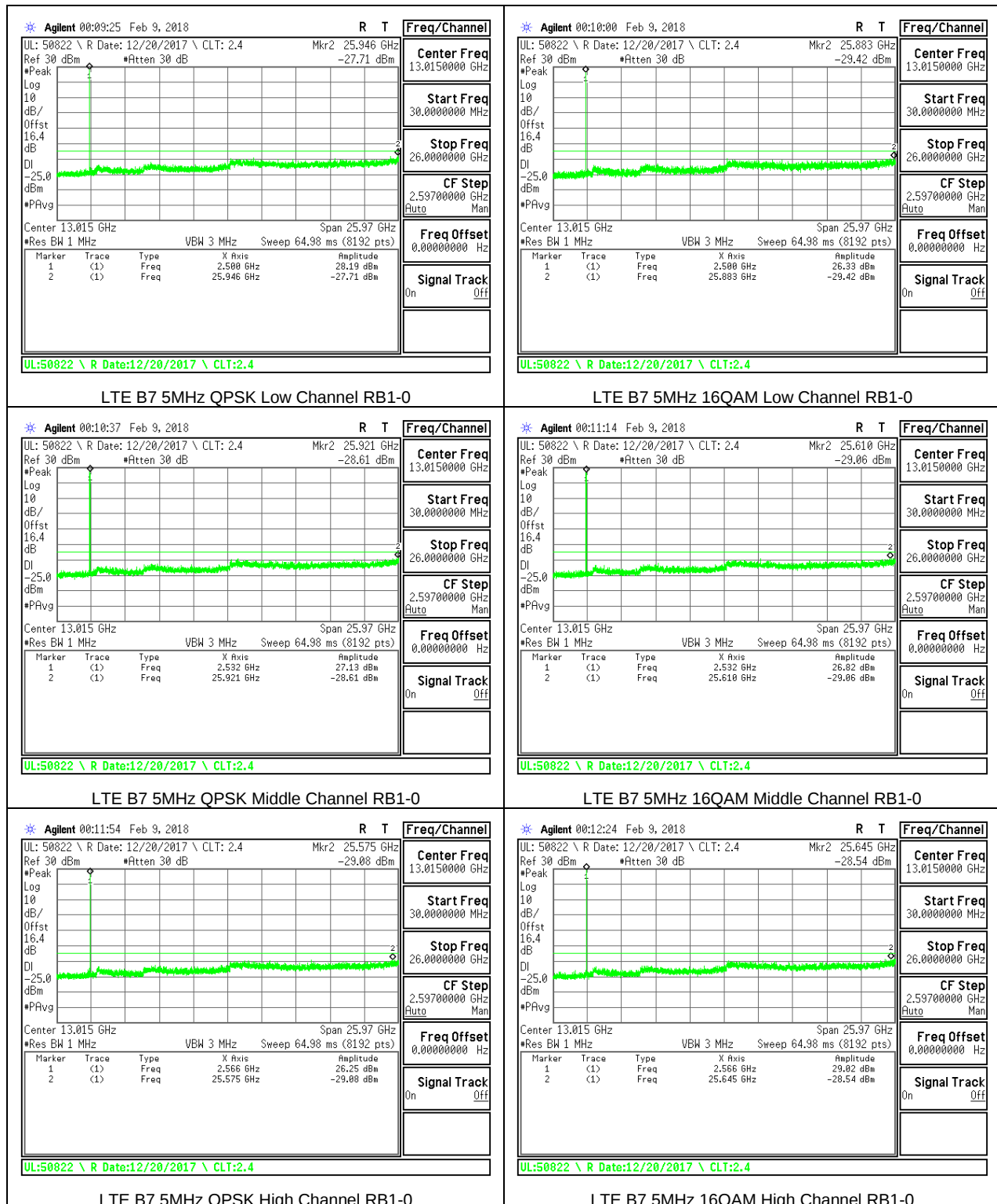


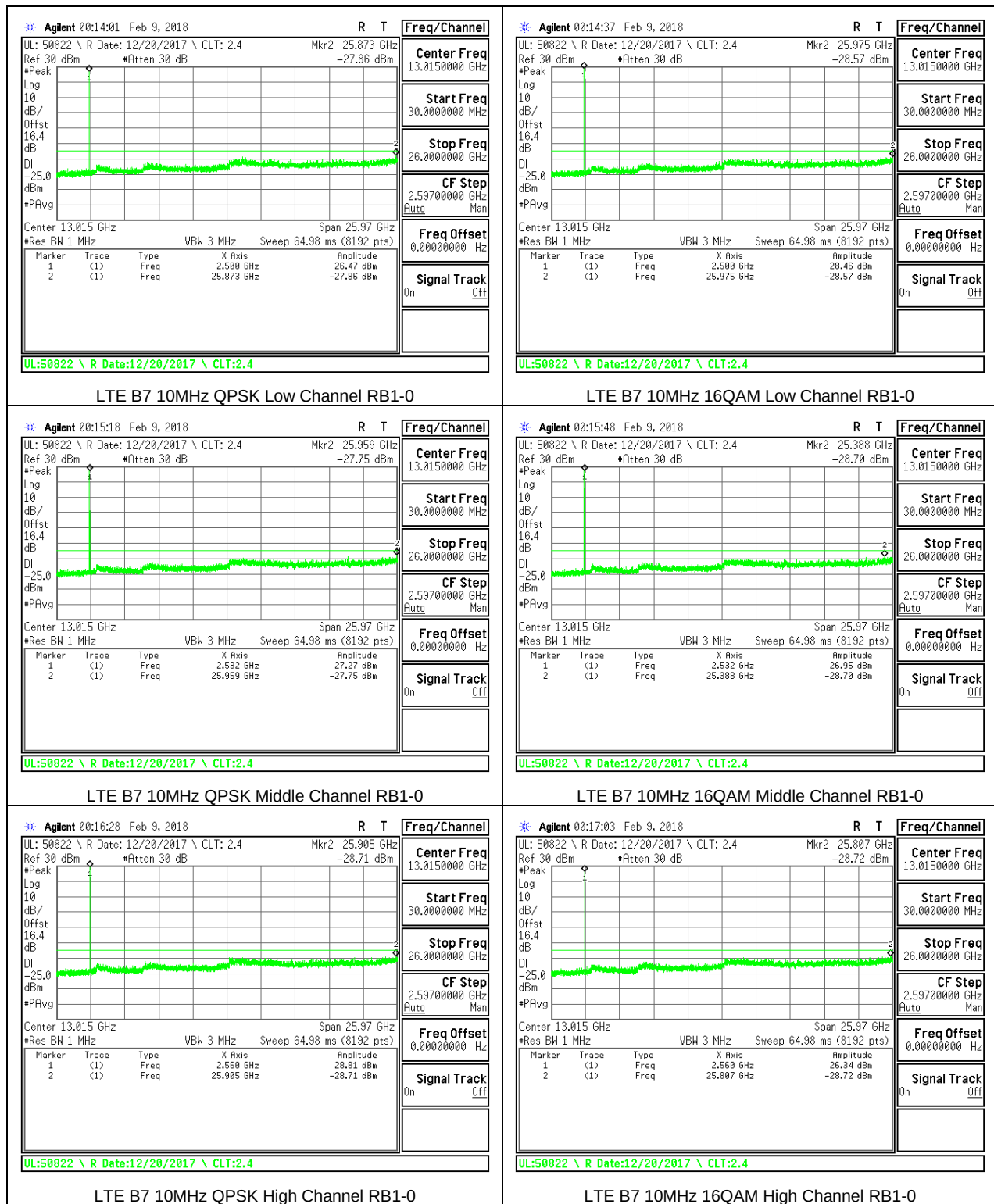


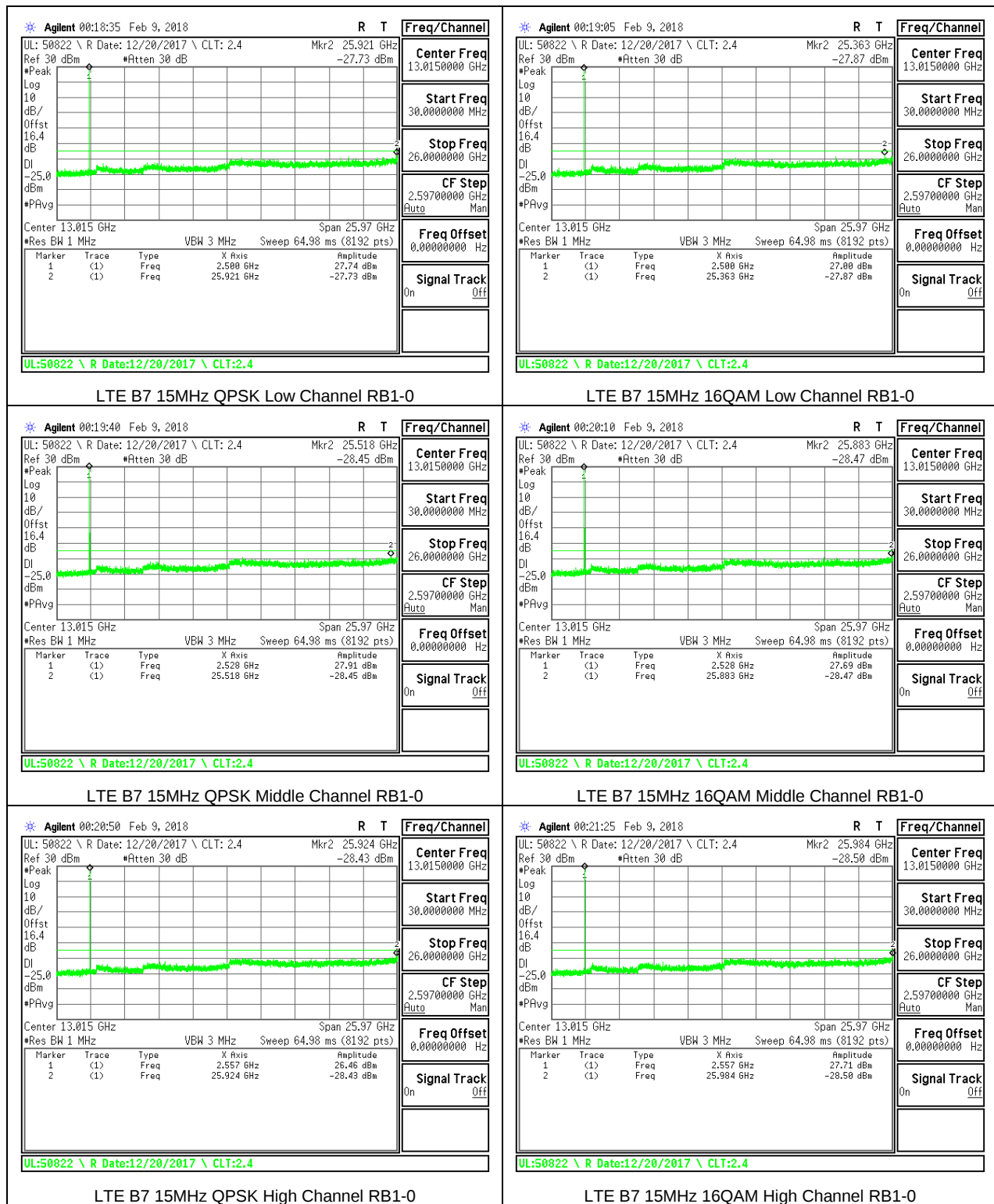


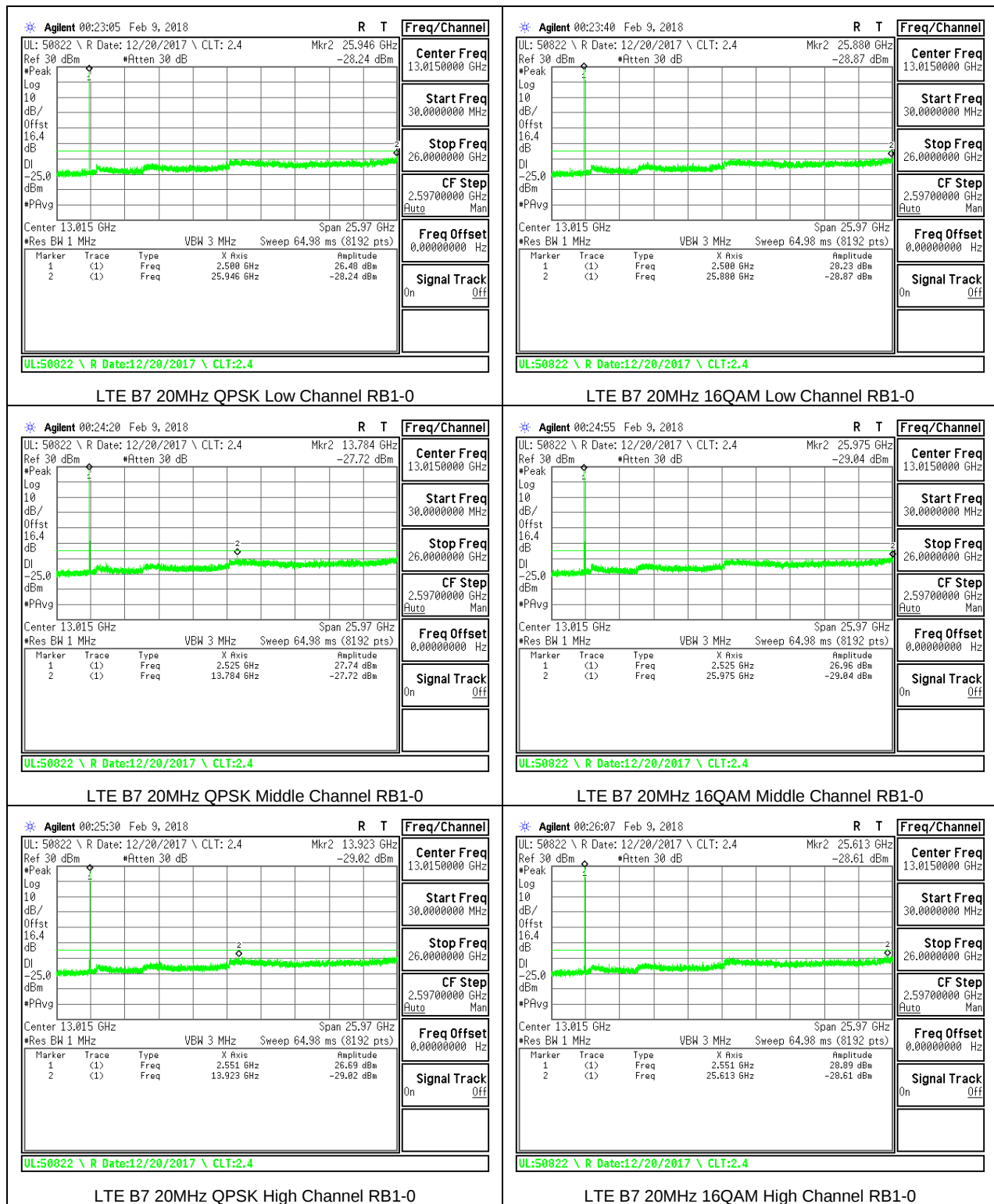


8.3.3. ANT1, LTE BAND 7

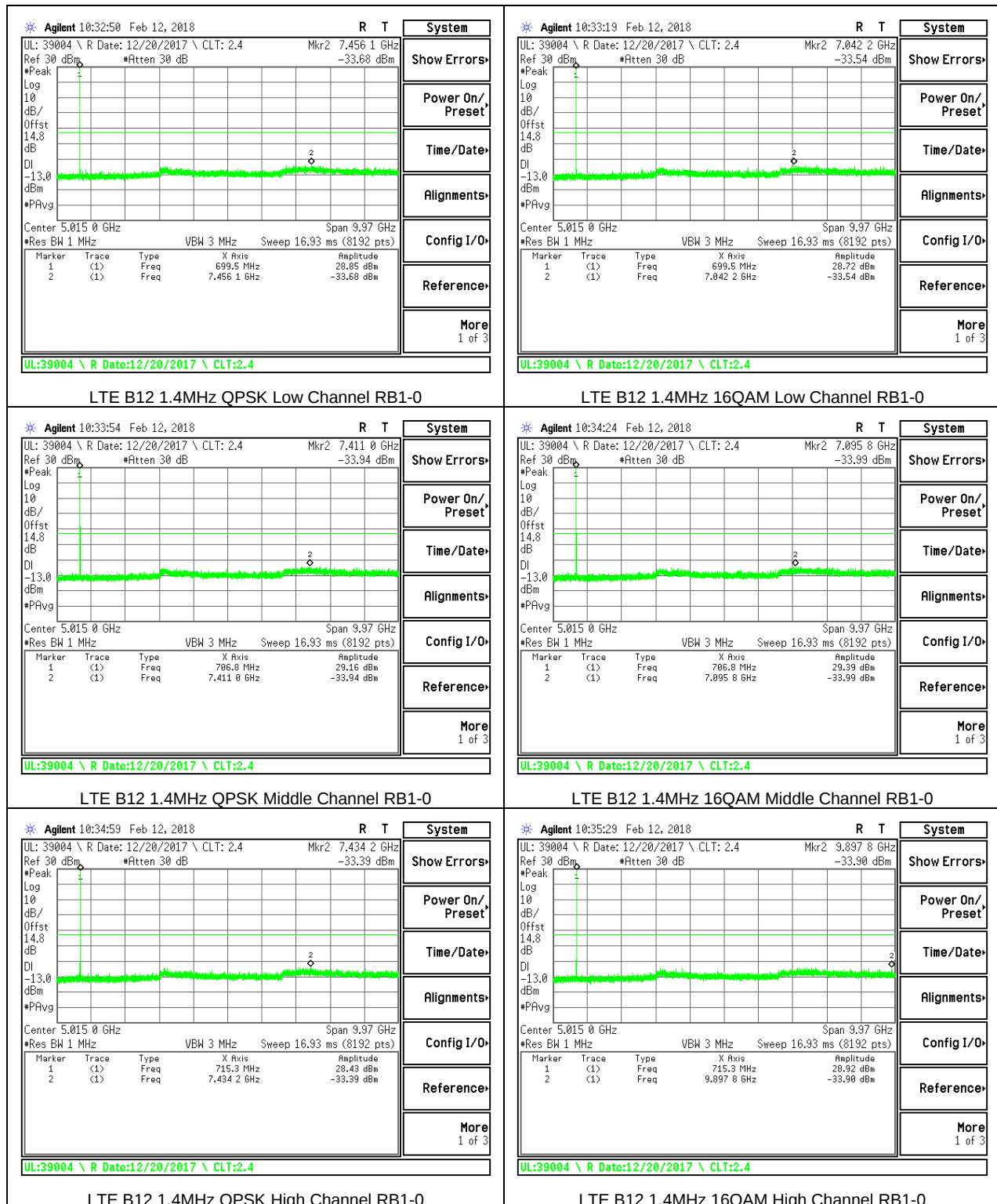


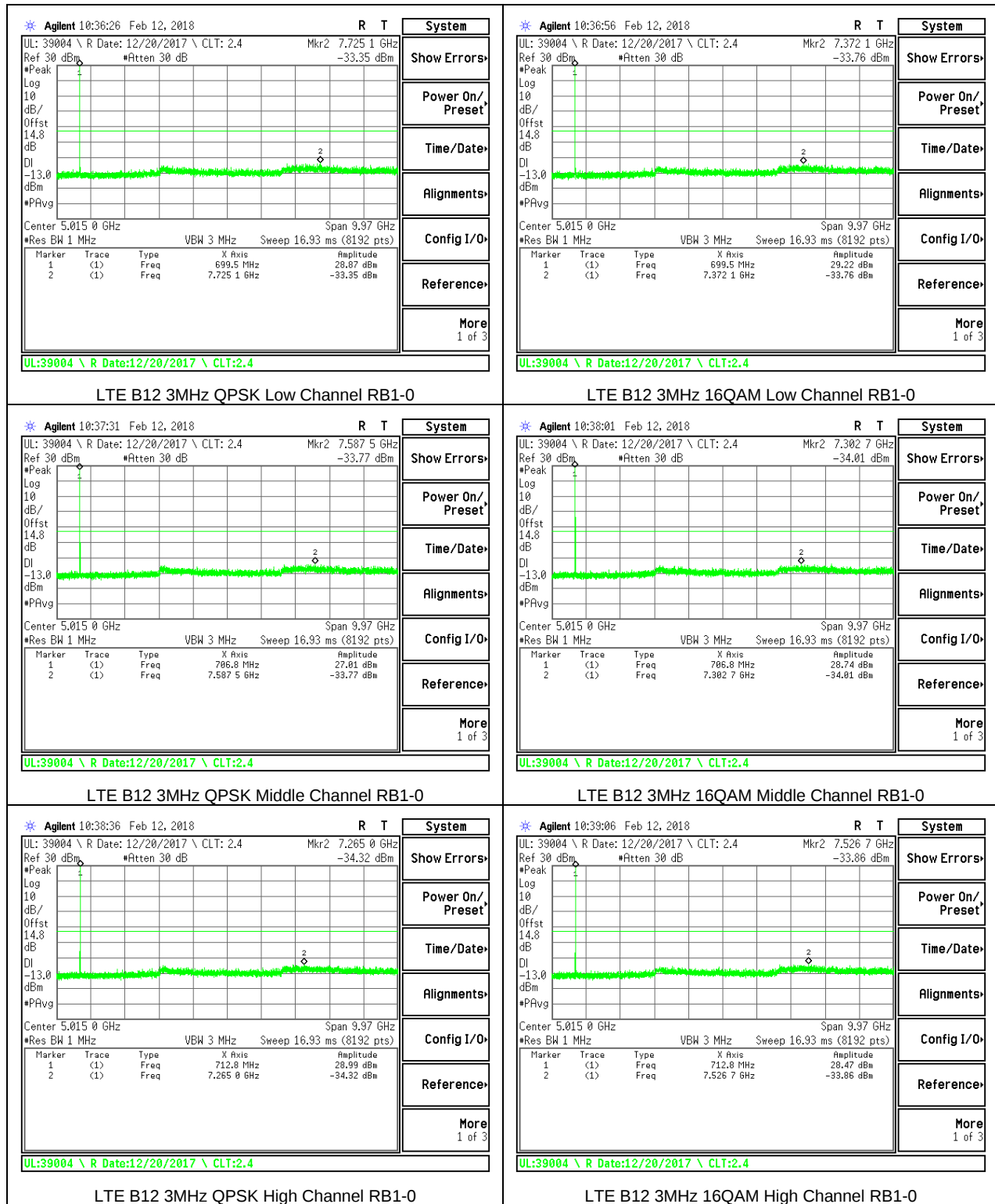


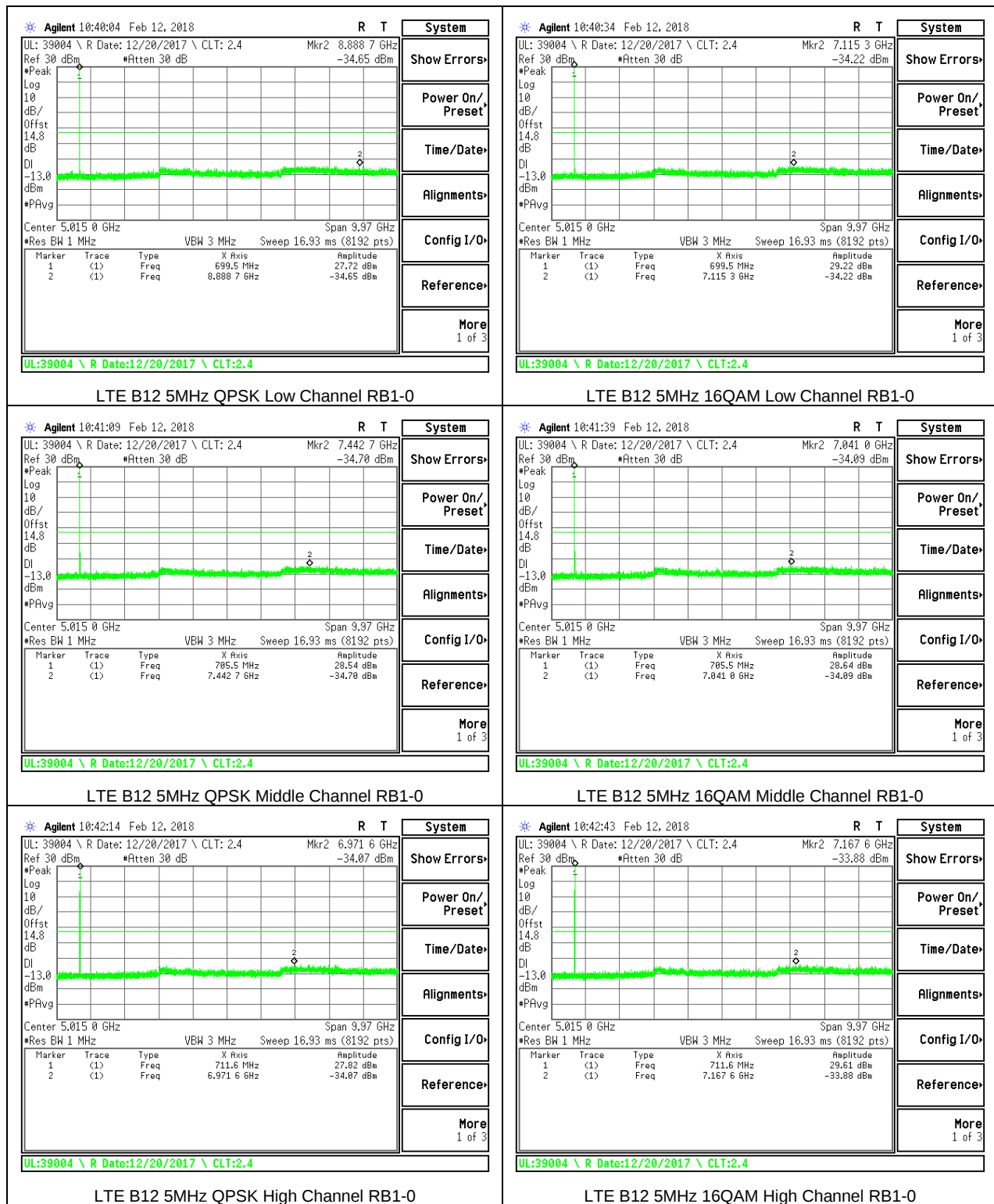


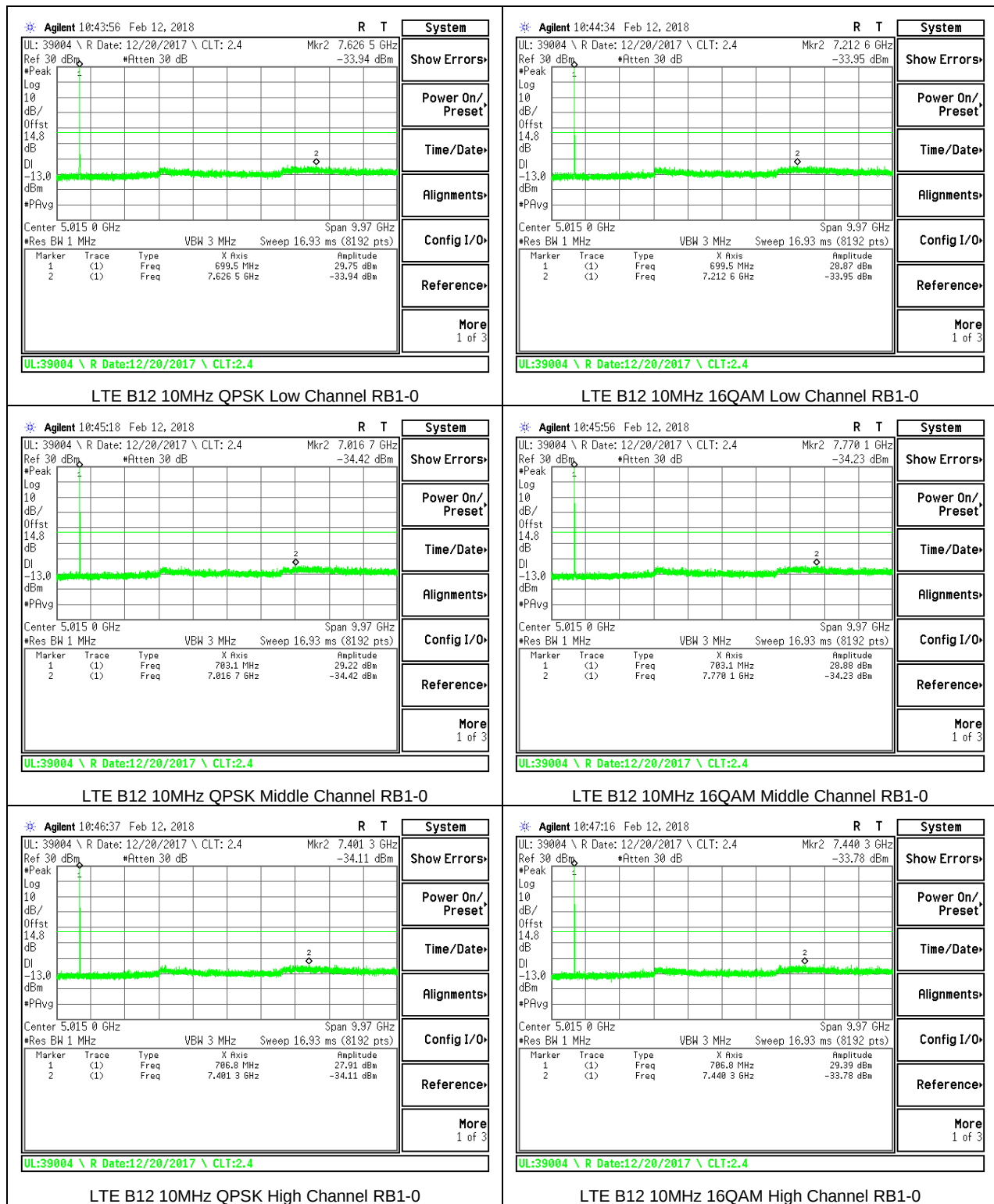


8.3.4. ANT1, LTE BAND 12

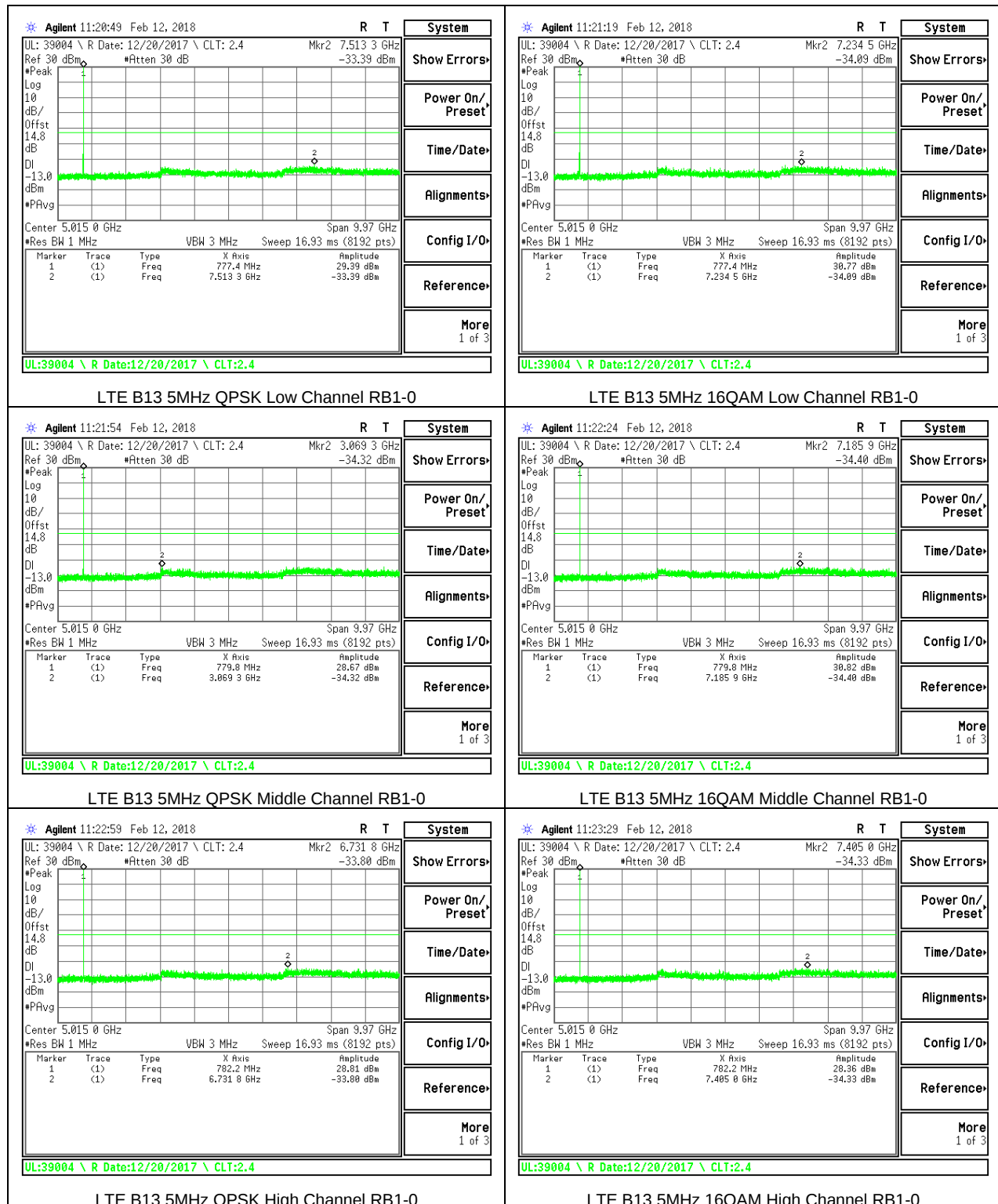


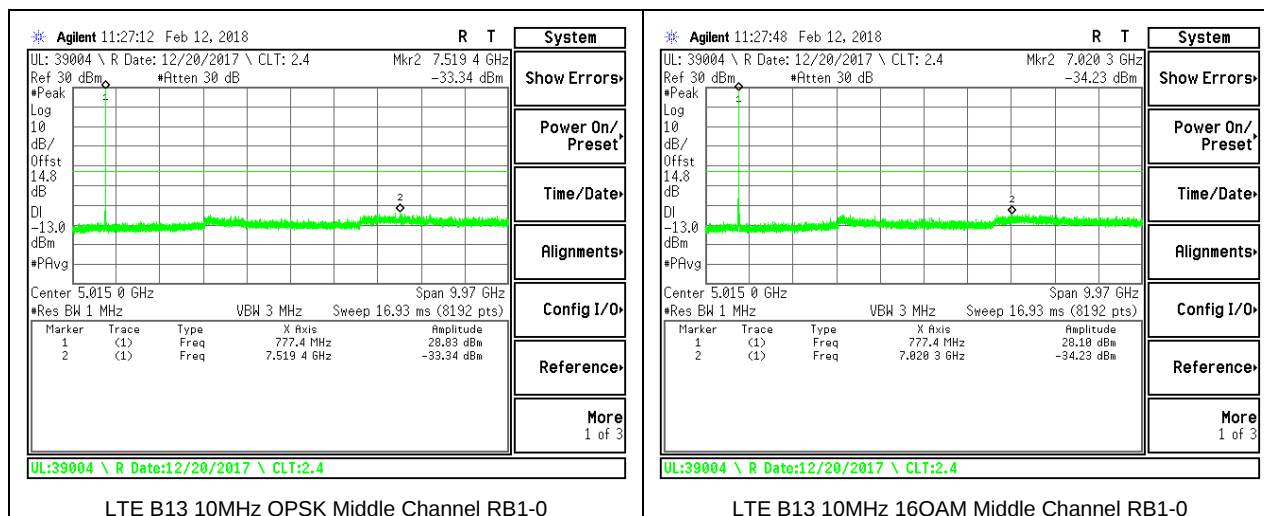




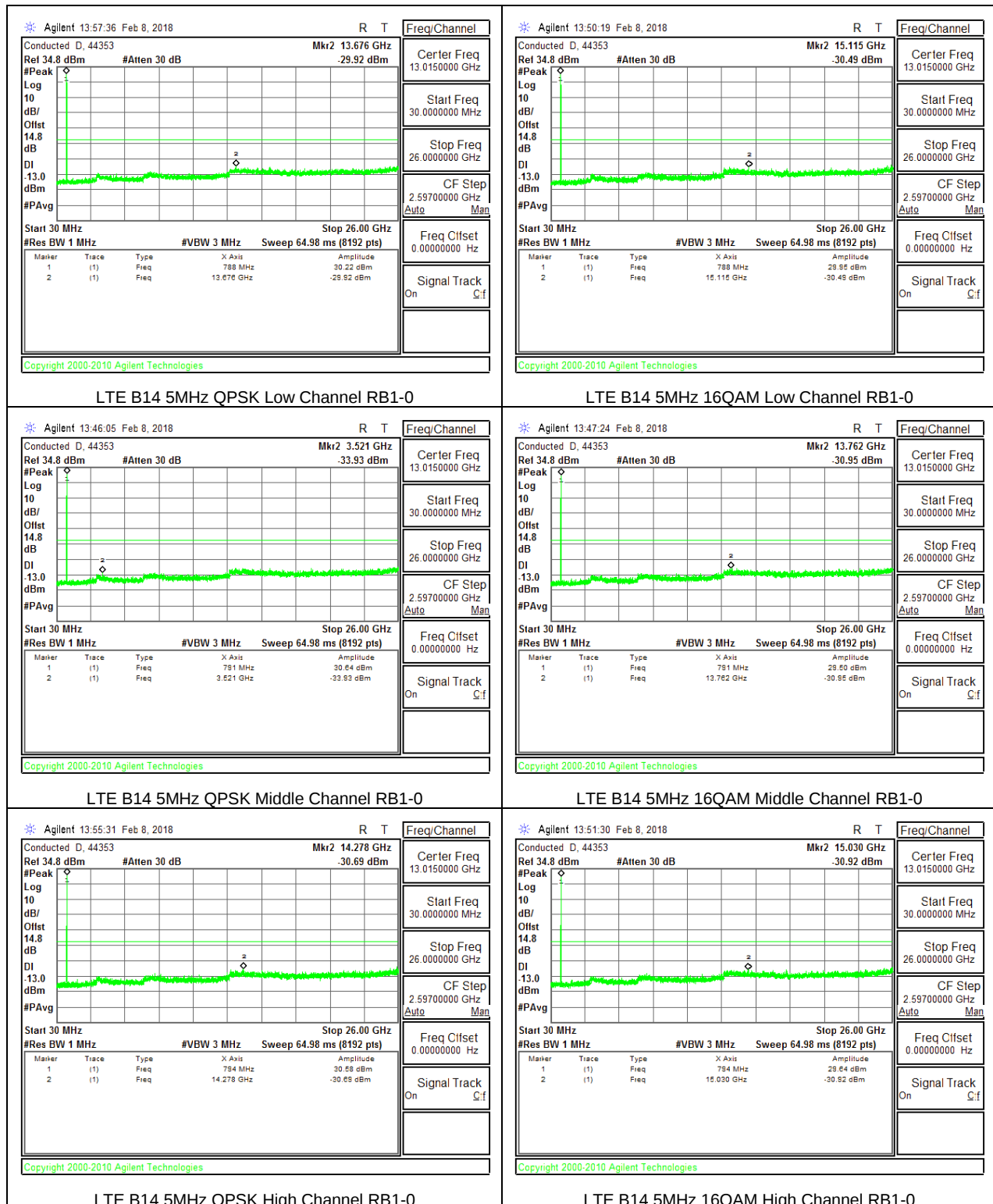


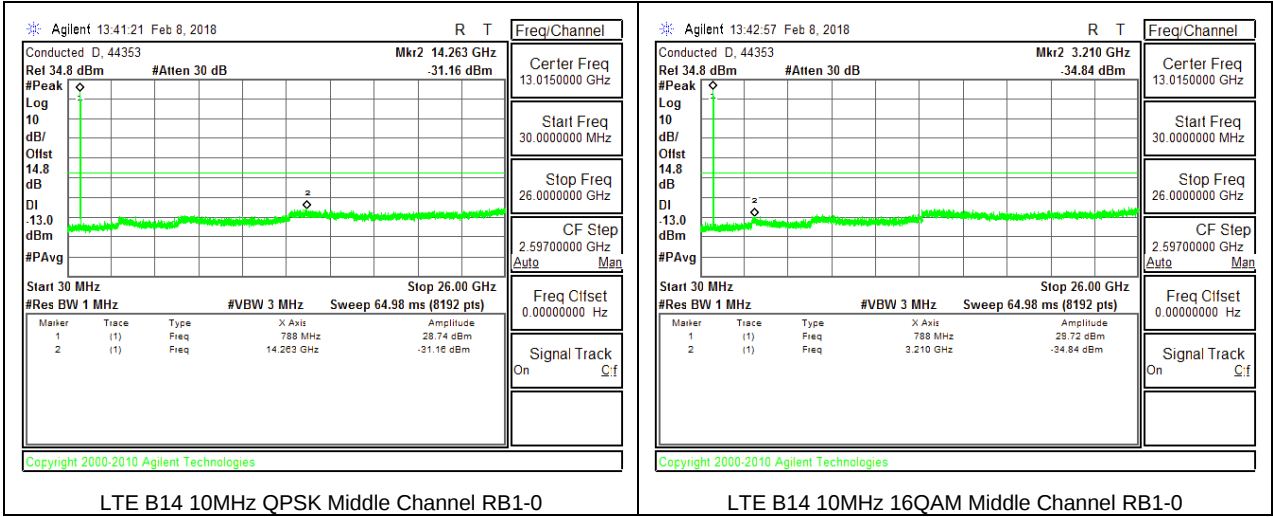
8.3.5. ANT1, LTE BAND 13



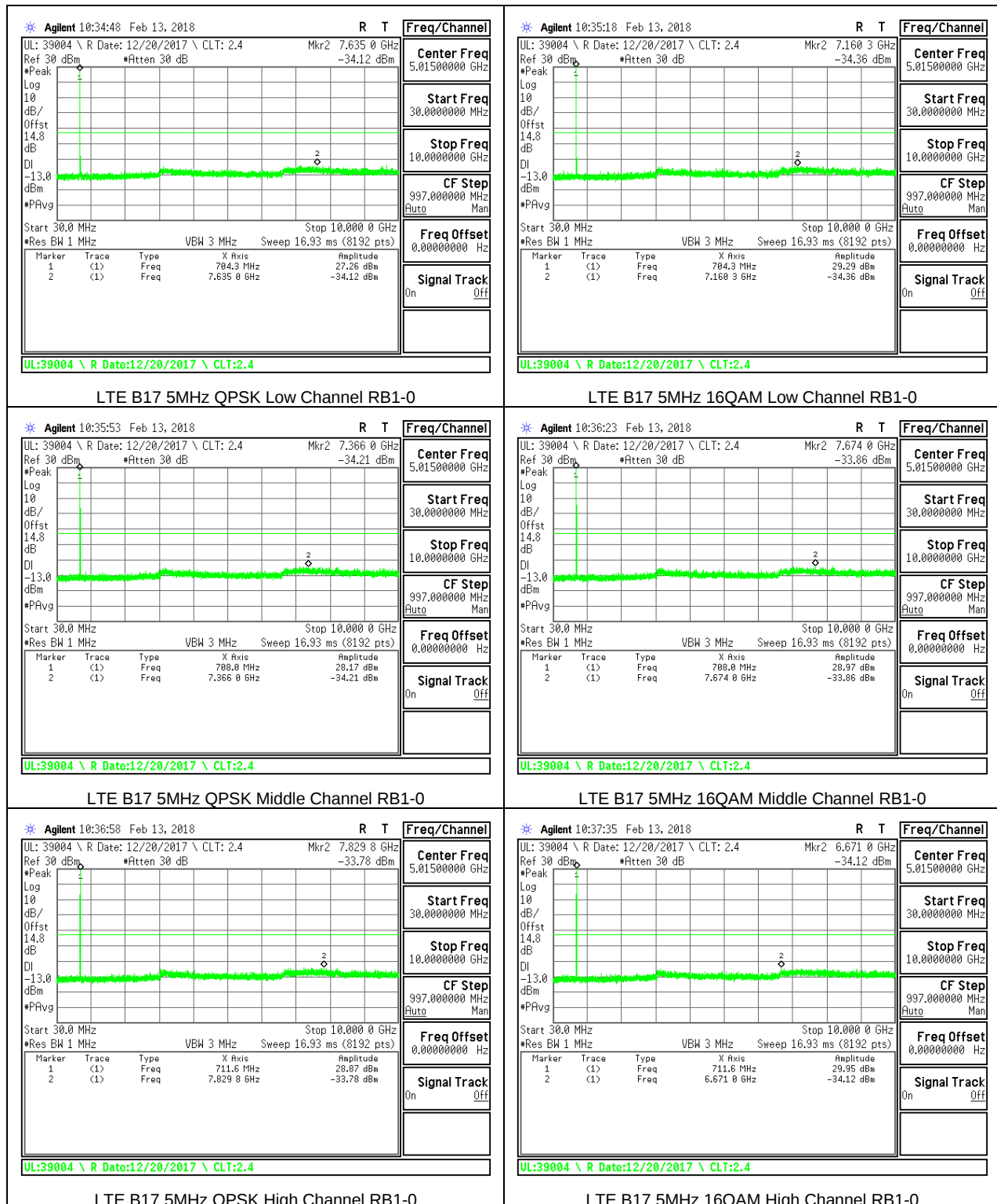


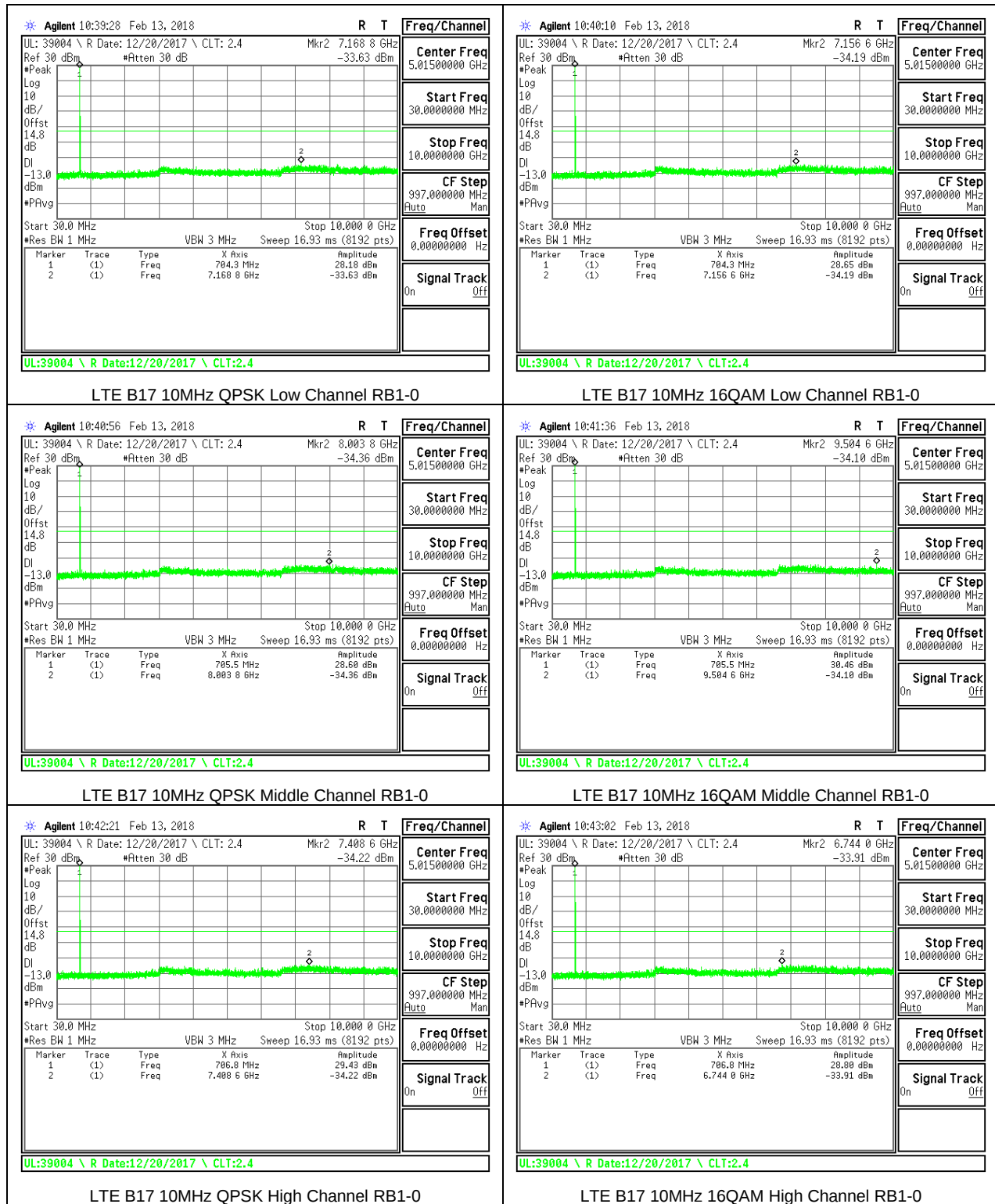
8.3.6. ANT1, LTE BAND 14



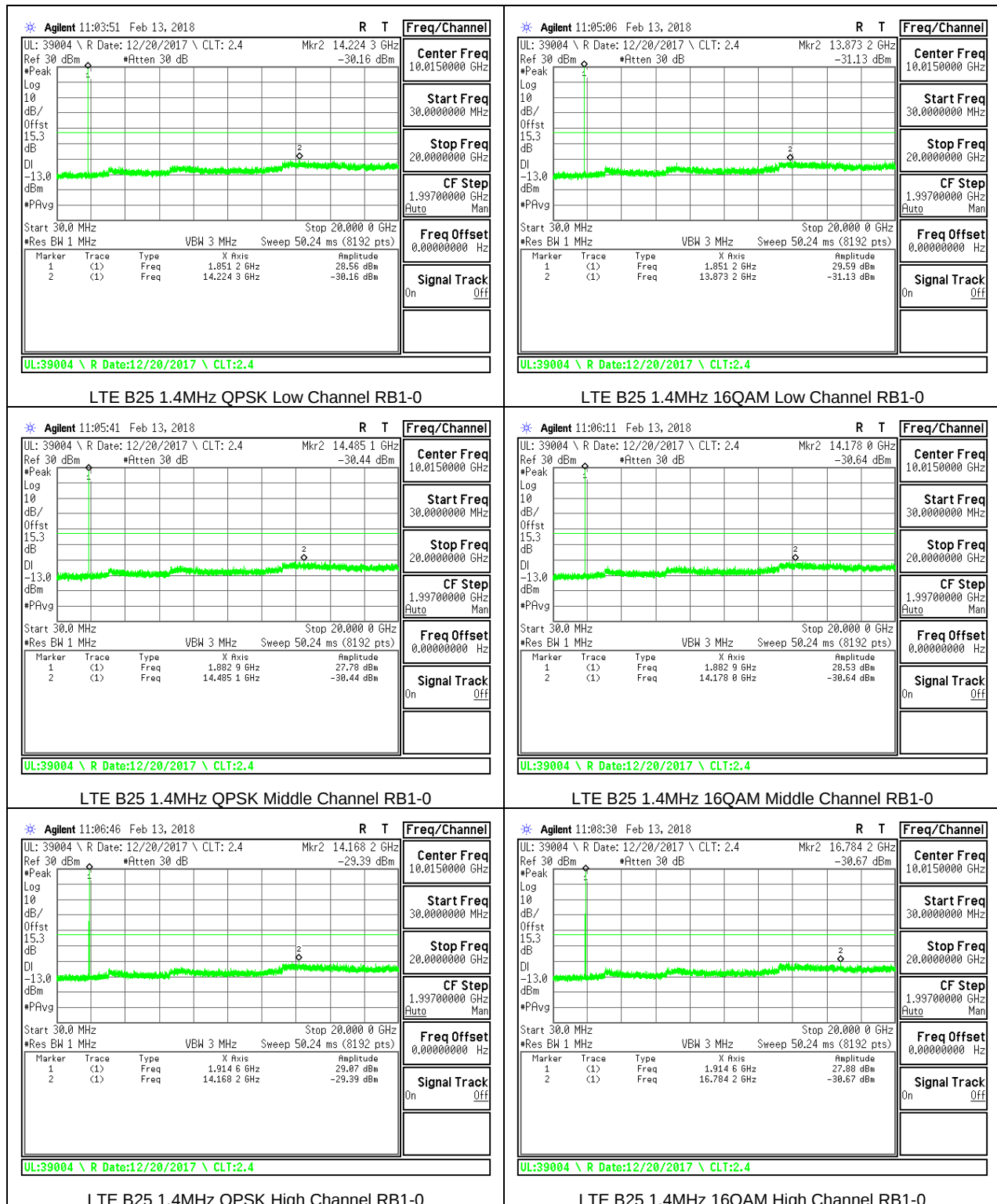


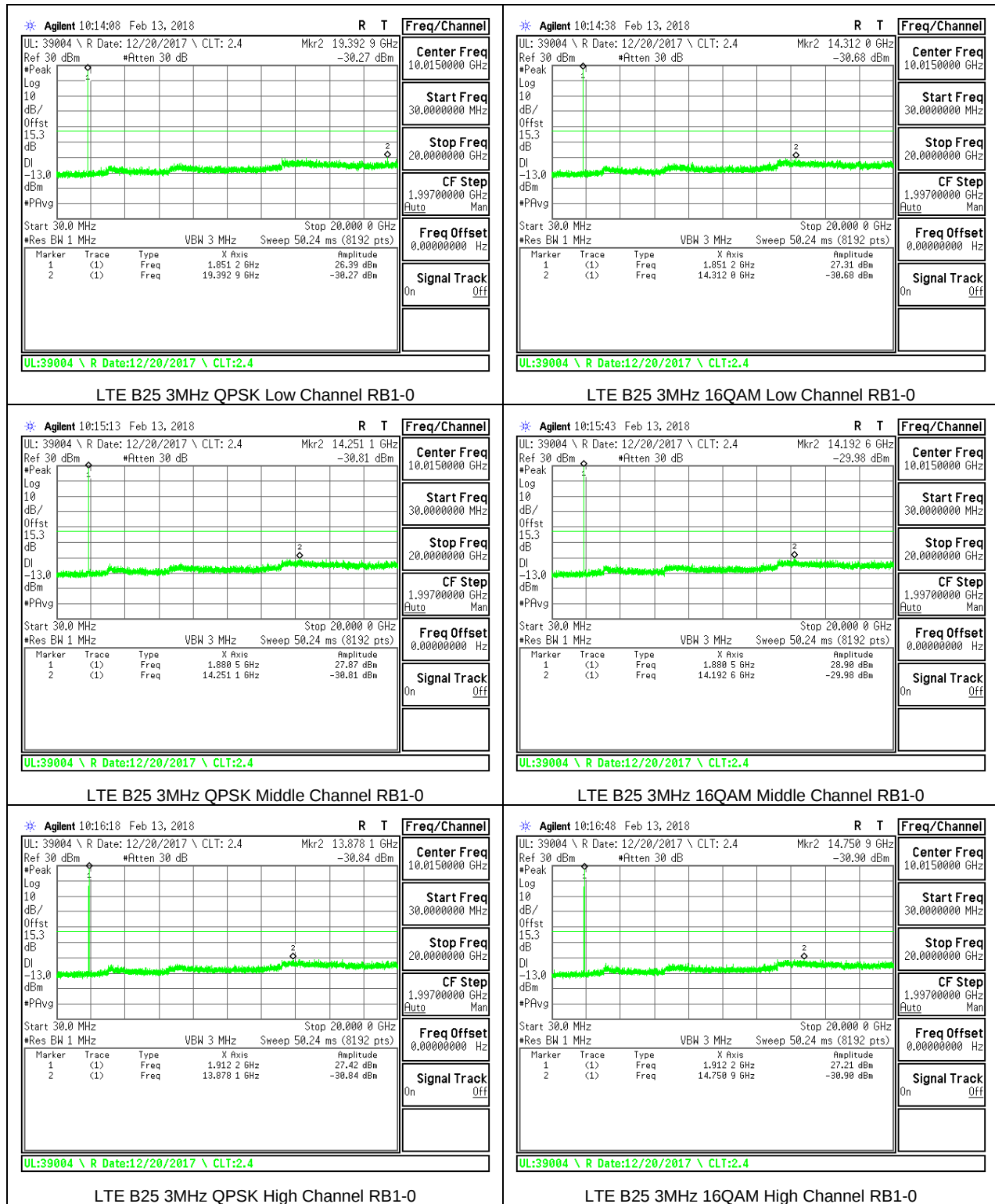
8.3.7. ANT1, LTE BAND 17

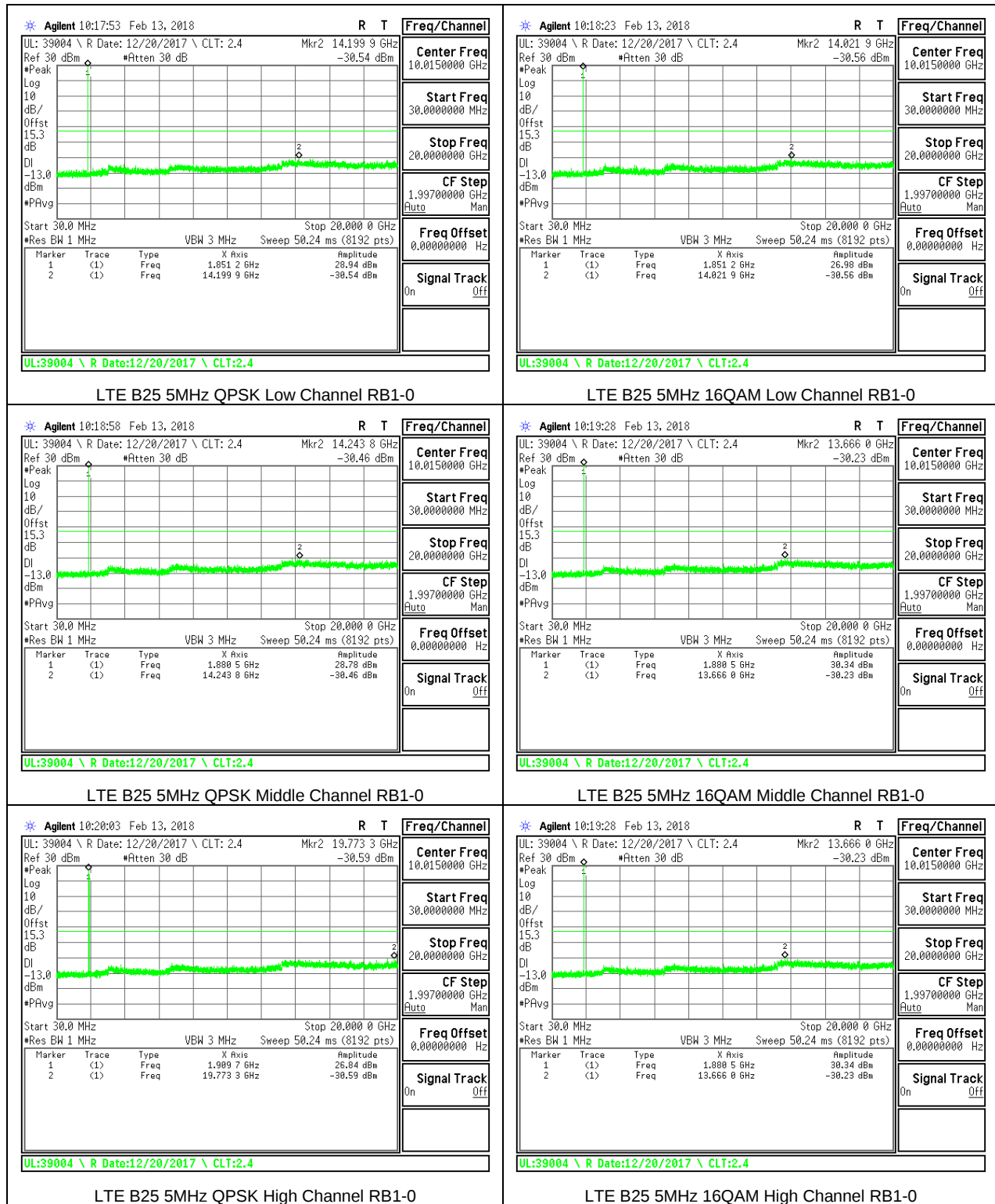


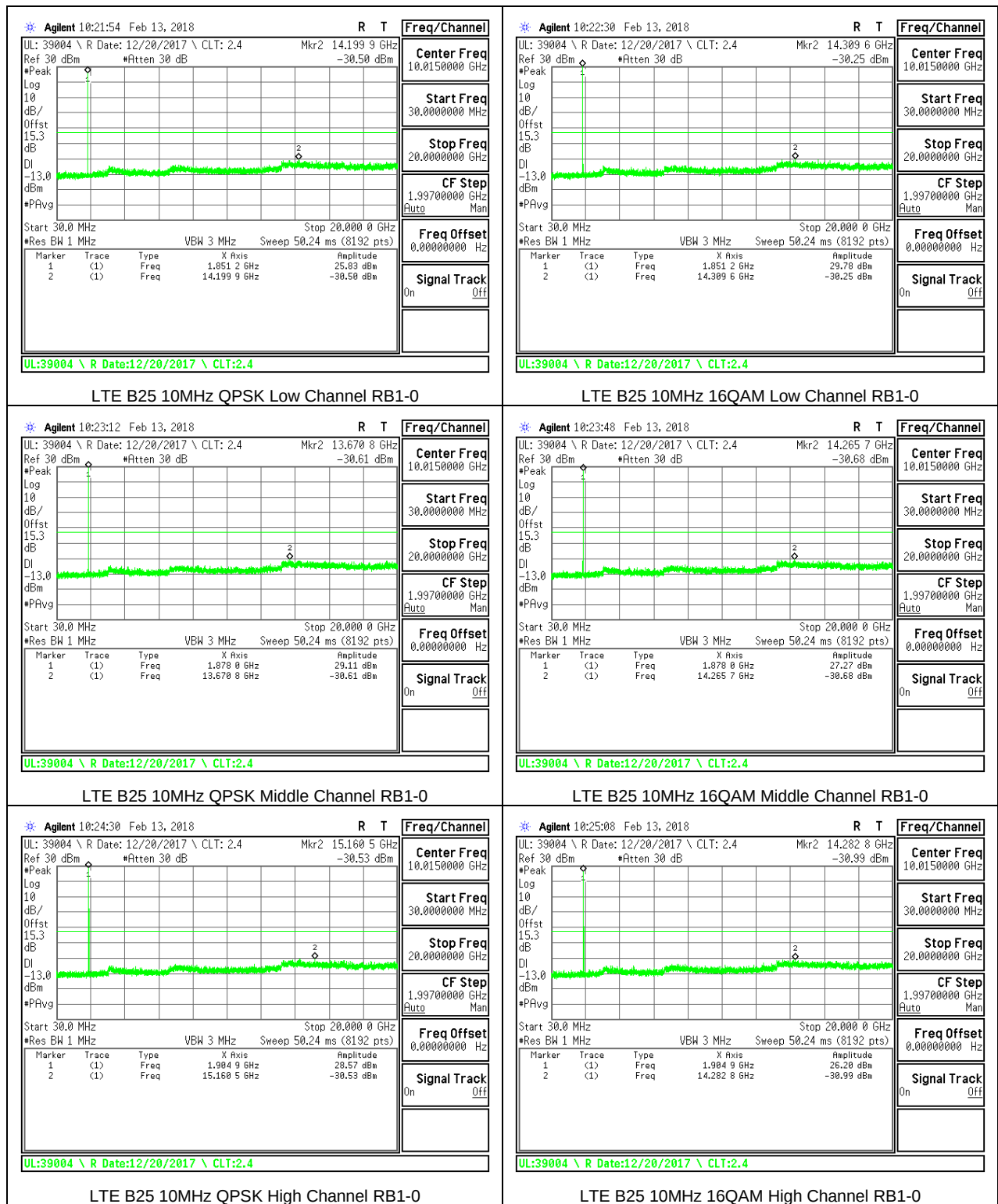


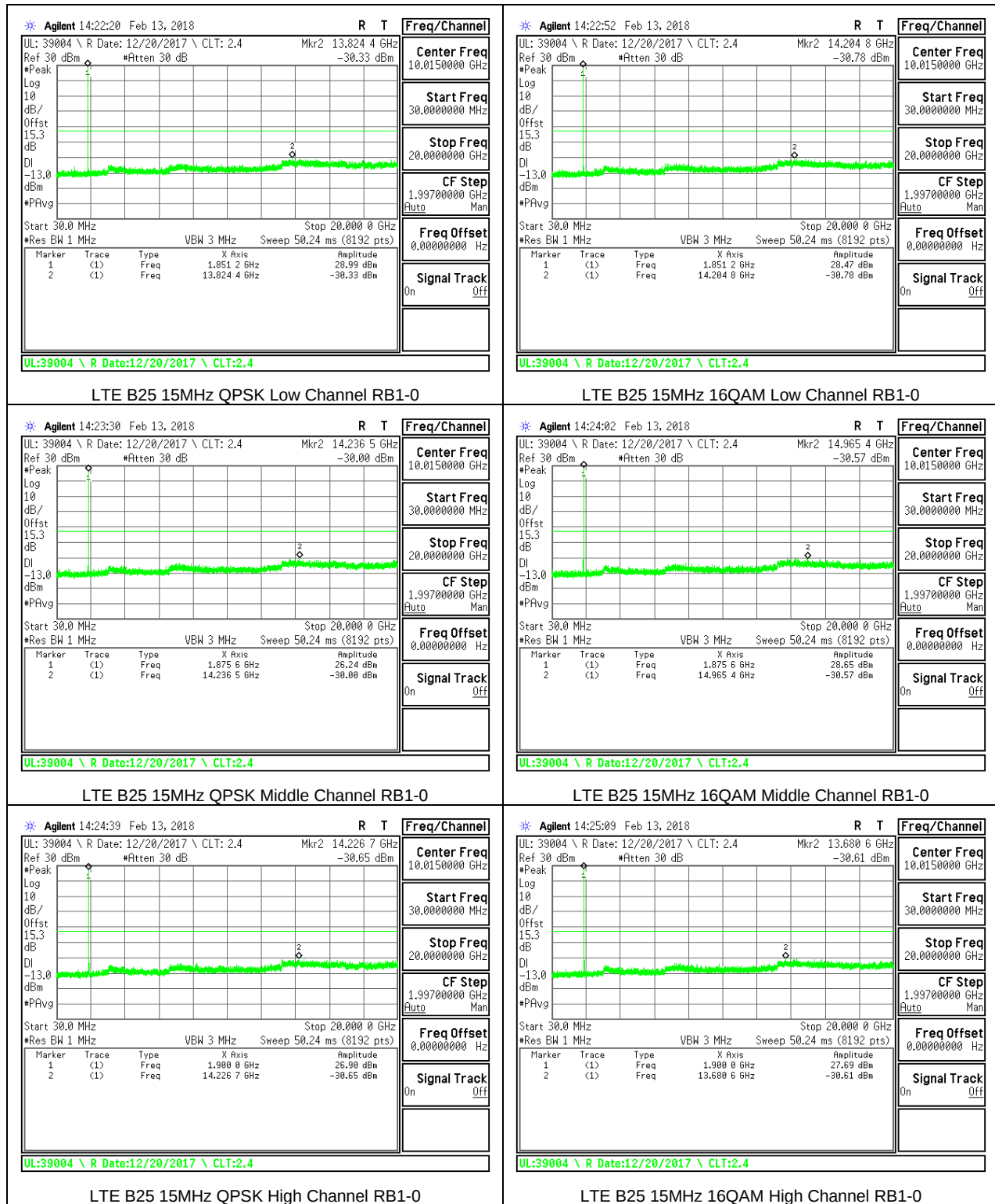
8.3.8. ANT1, LTE BAND 25

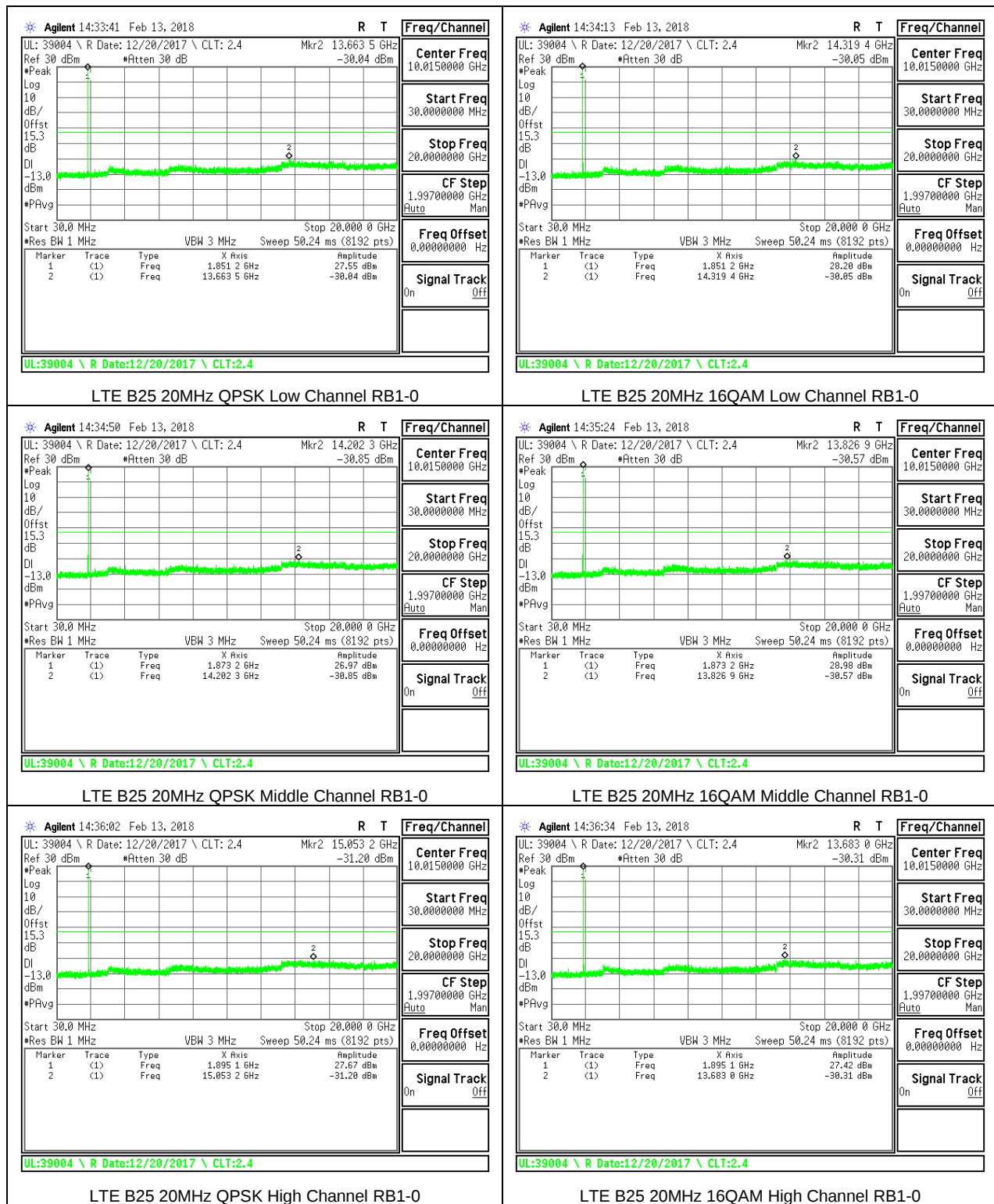




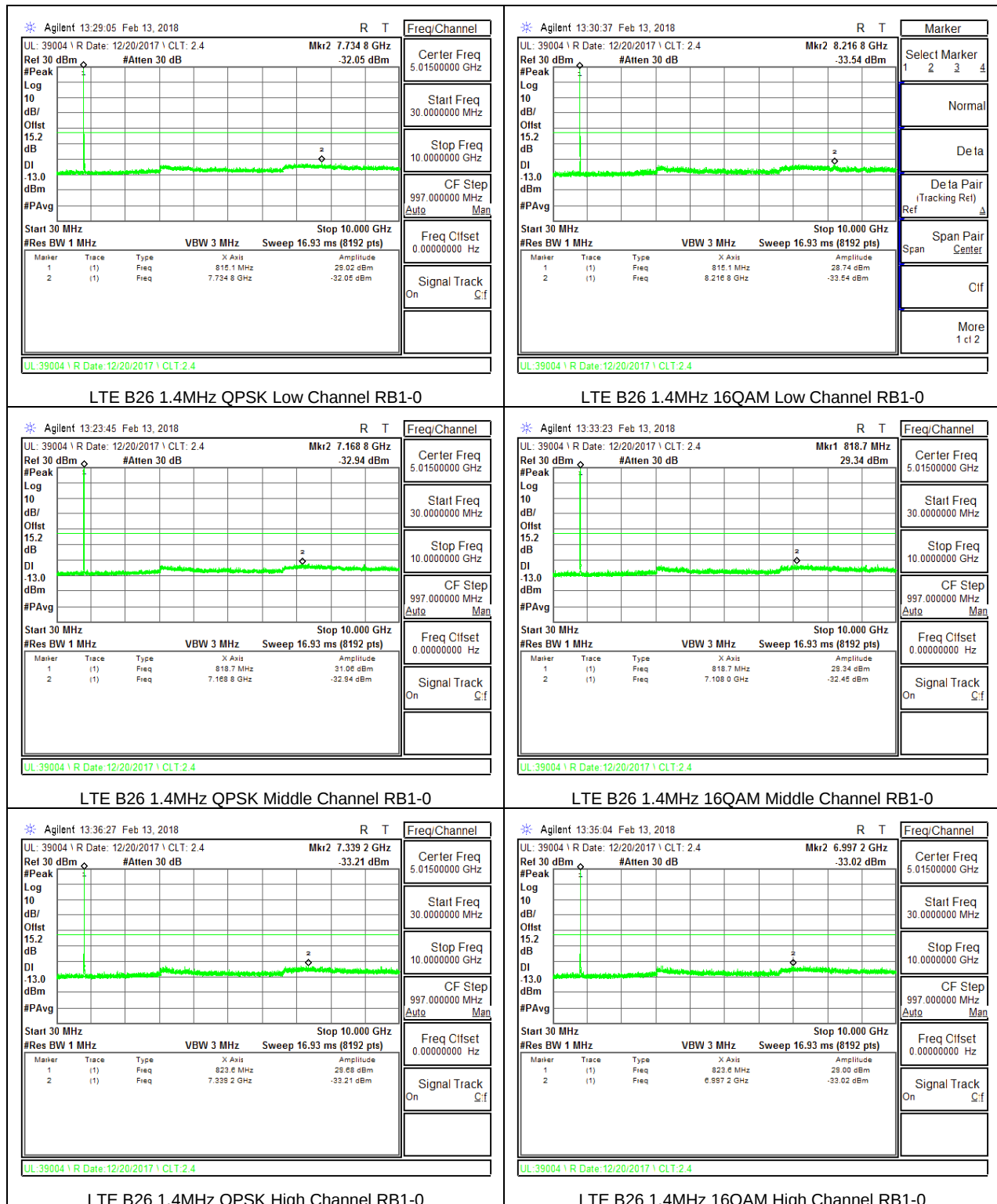


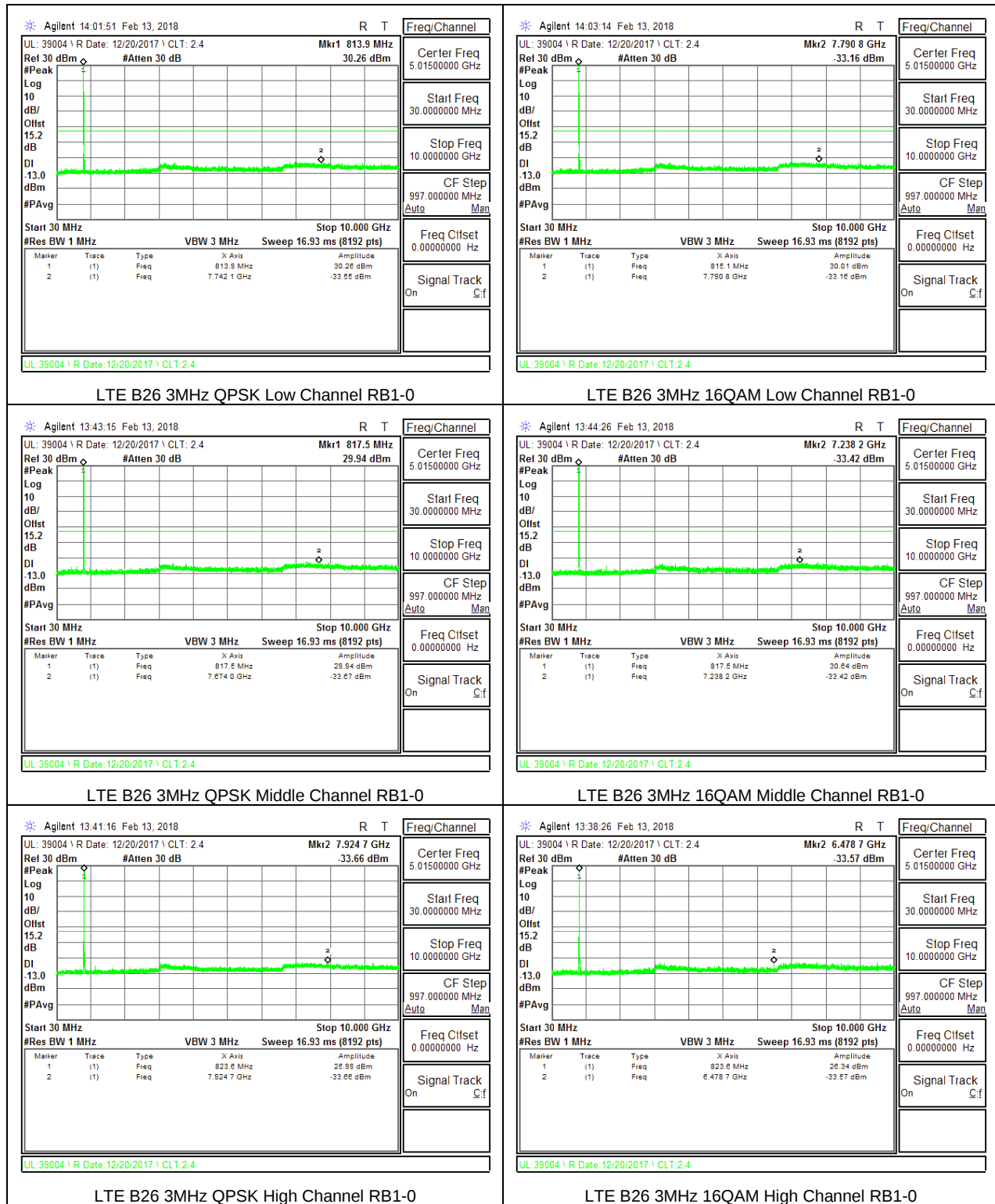


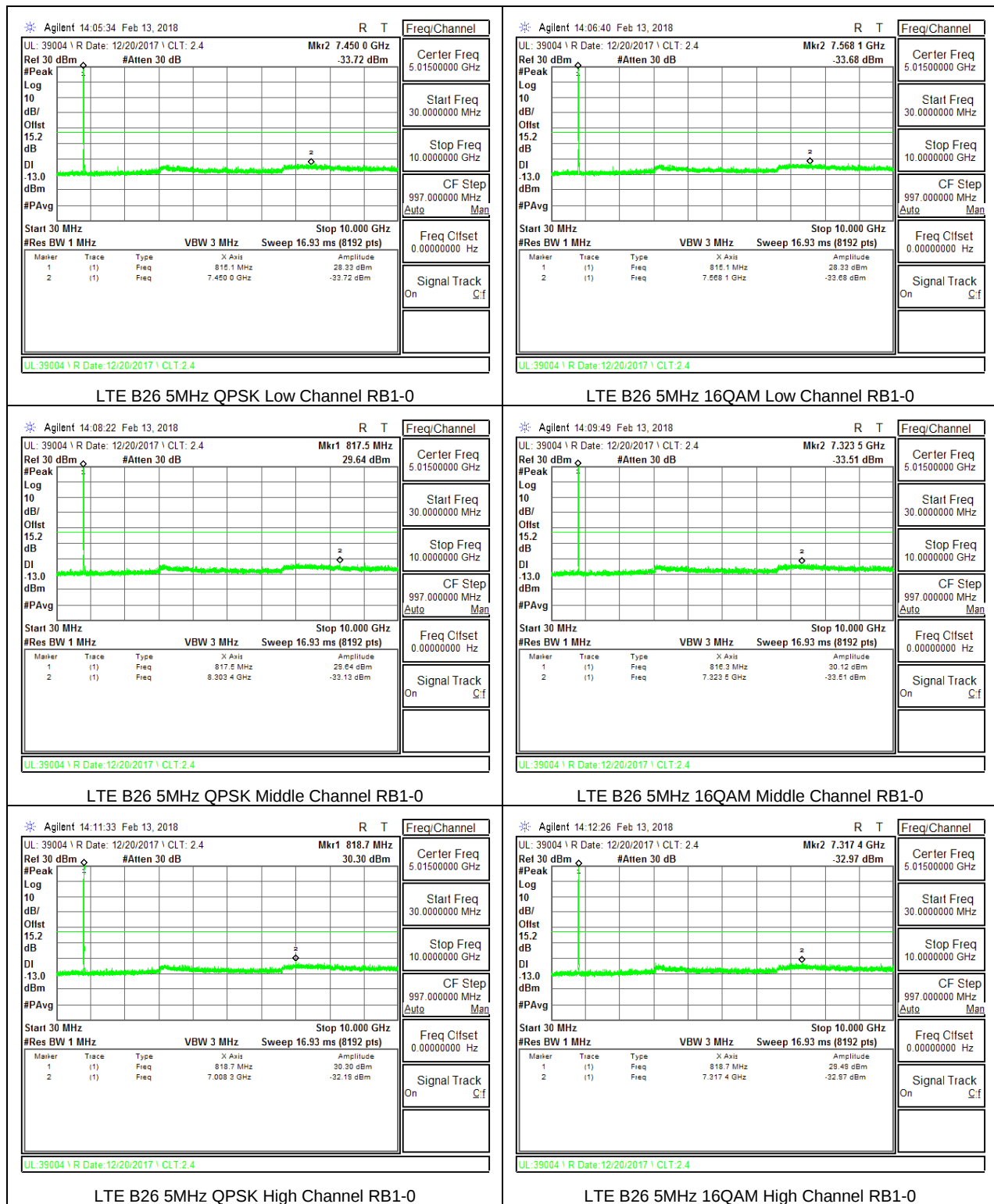


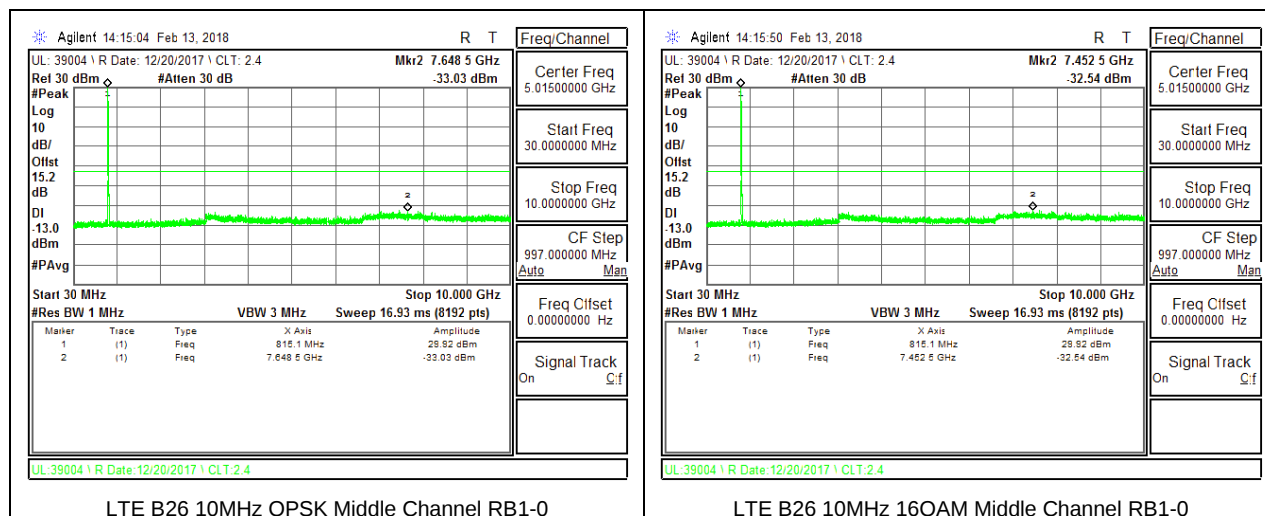


8.3.9. ANT1, LTE BAND 26 (FCC PART 90S)

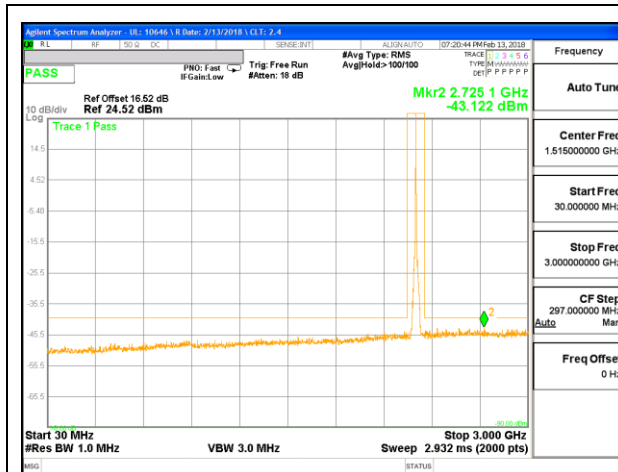




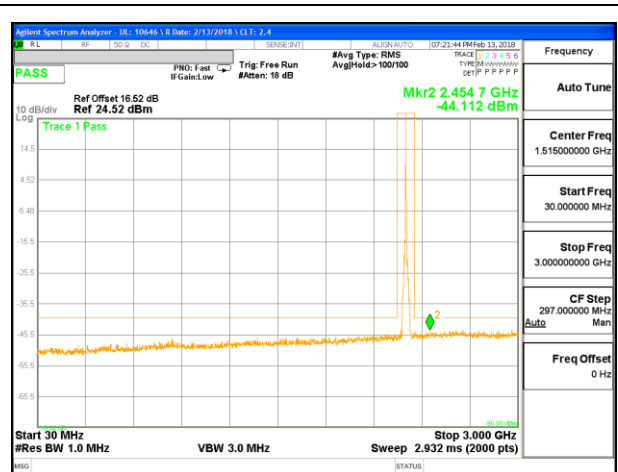




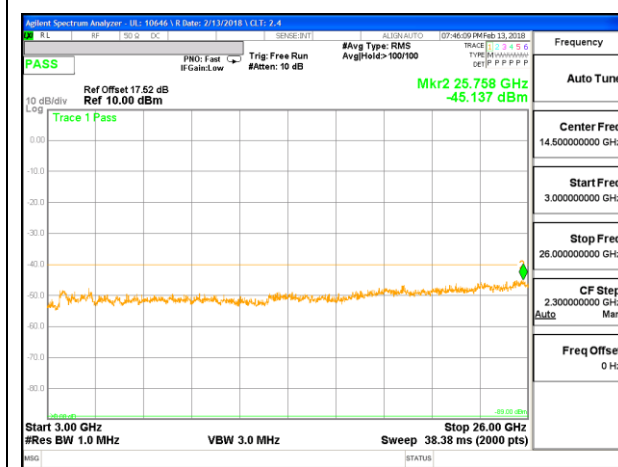
8.3.10. ANT1, LTE BAND 30



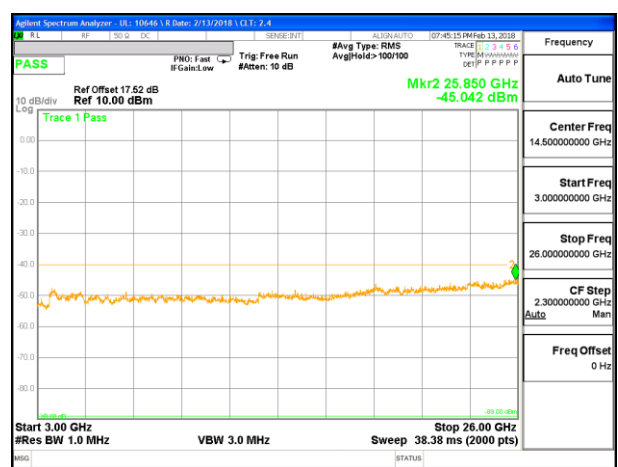
LTE B30 5MHz QPSK Low Channel RB1-0



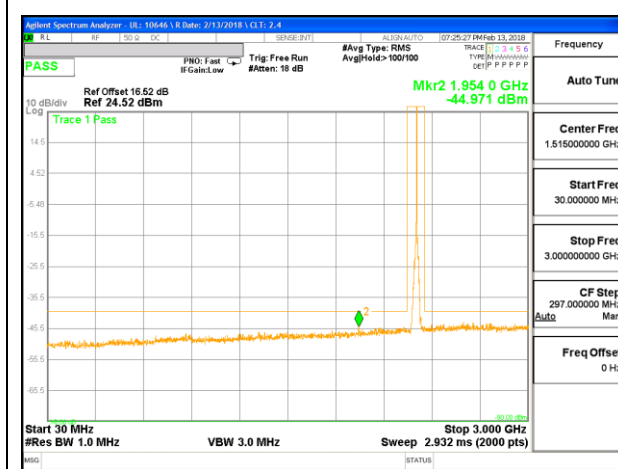
LTE B30 5MHz 16QAM Low Channel RB1-0



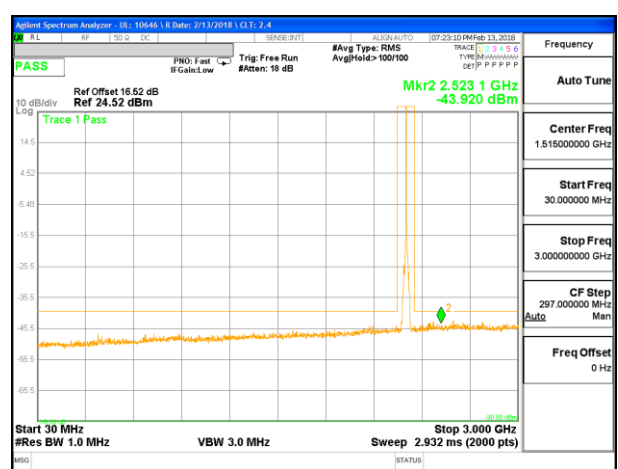
LTE B30 5MHz QPSK Low Channel RB1-0



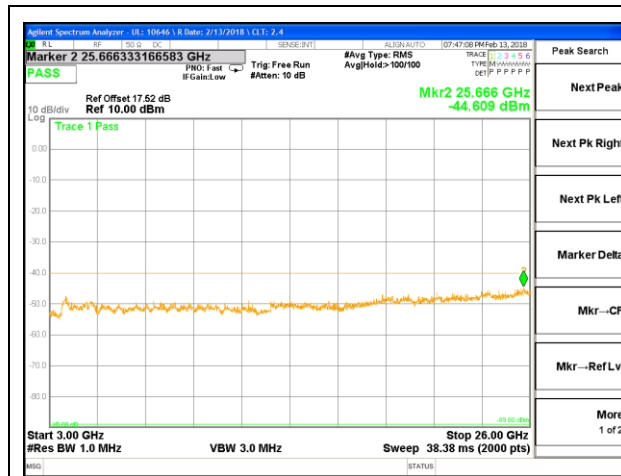
LTE B30 5MHz 16QAM Low Channel RB1-0



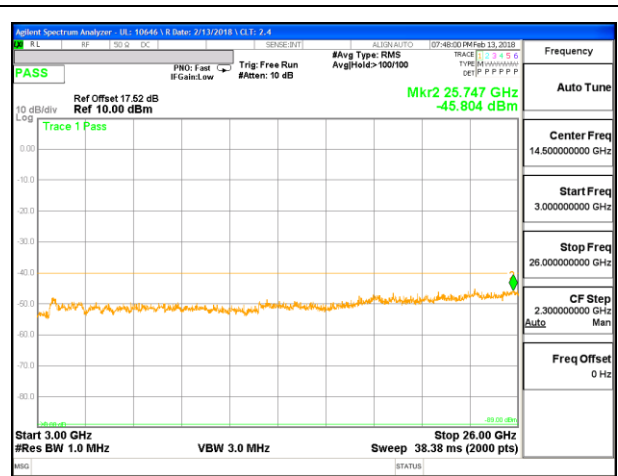
LTE B30 5MHz QPSK Middle Channel RB1-0



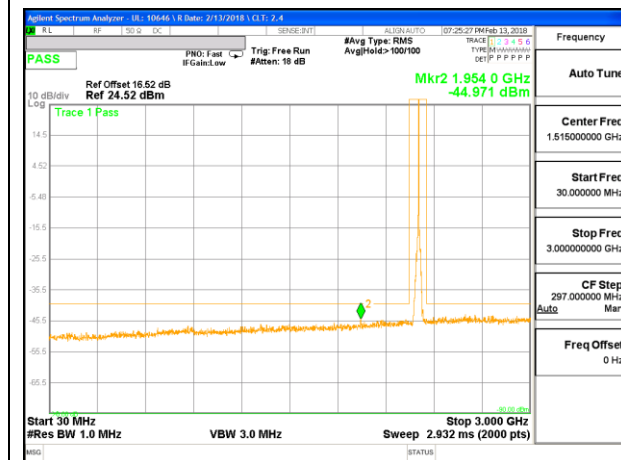
LTE B30 5MHz 16QAM Middle Channel RB1-0



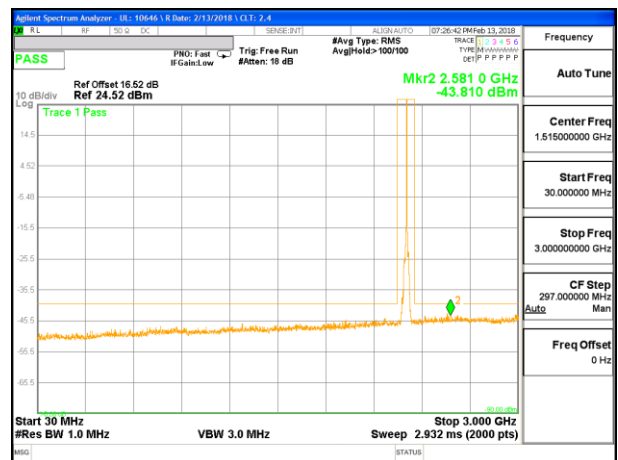
LTE B30 5MHz QPSK Middle Channel RB1-0



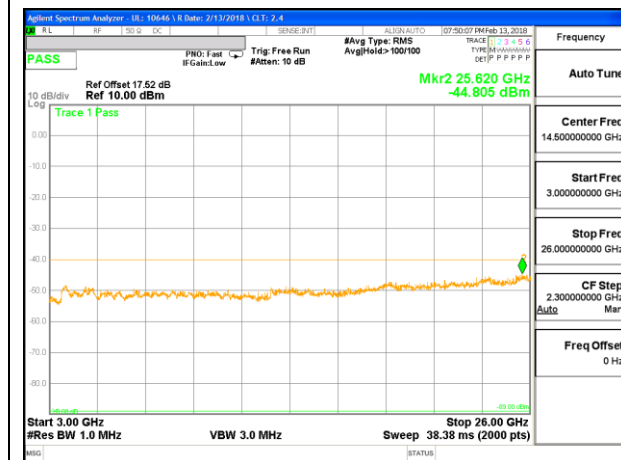
LTE B30 5MHz 16QAM Middle Channel RB1-0



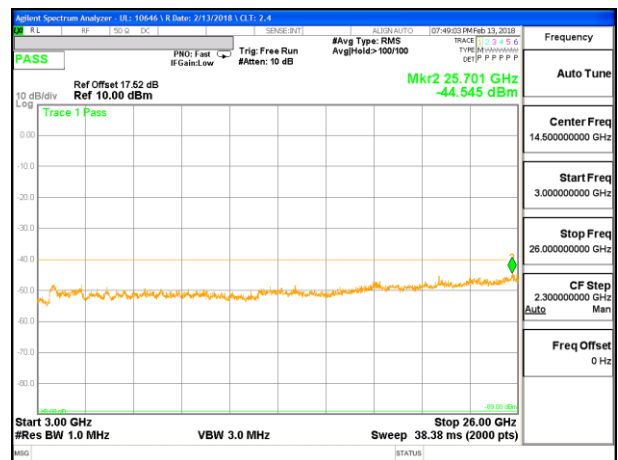
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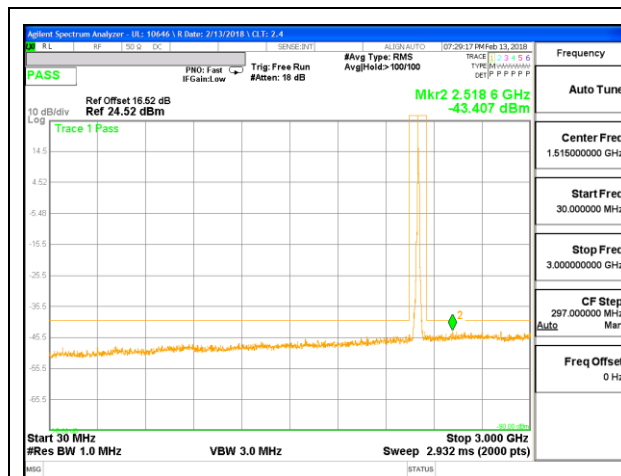
LTE B30 5MHz 16QAM High Channel RB1-0



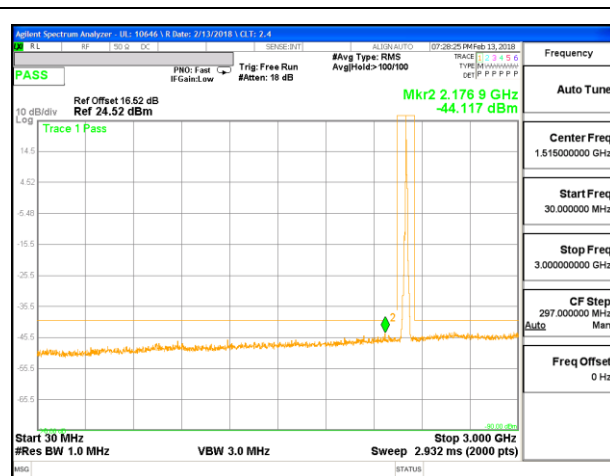
LTE B30 5MHz QPSK High Channel RB1-0



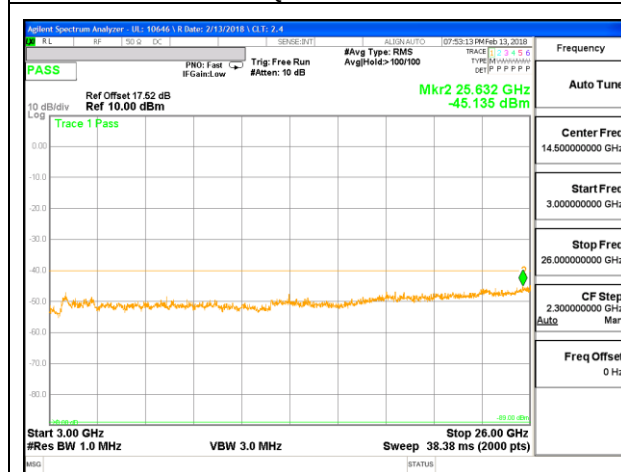
LTE B30 5MHz 16QAM High Channel RB1-0



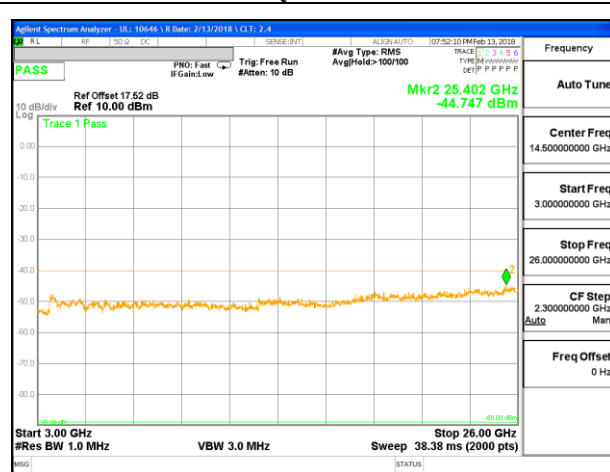
LTE B30 10MHz QPSK Middle Channel RB1-0



LTE B30 10MHz 16QAM Middle Channel RB1-0



LTE B30 10MHz QPSK Middle Channel RB1-0



LTE B30 10MHz 16QAM Middle Channel RB1-0

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