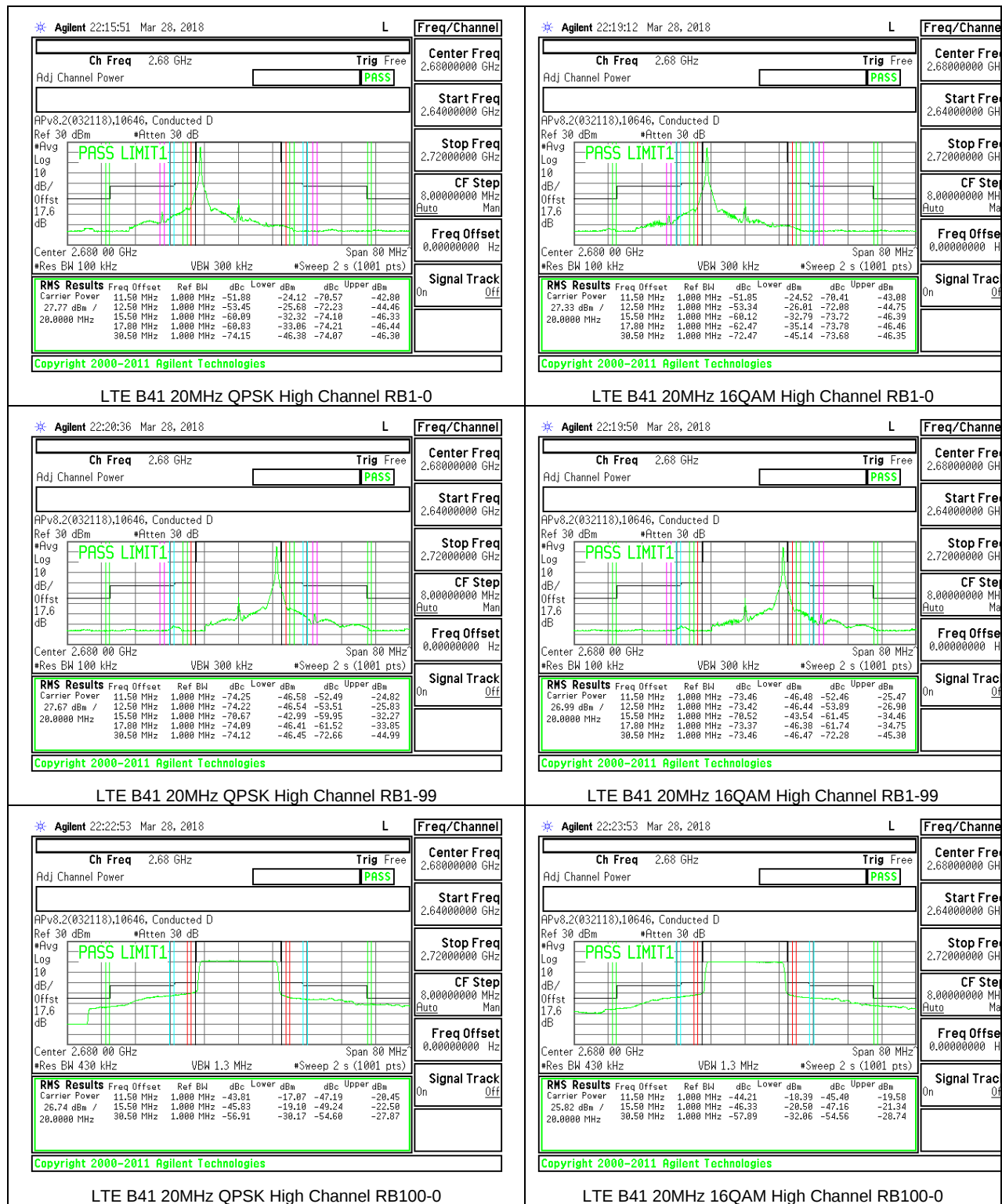
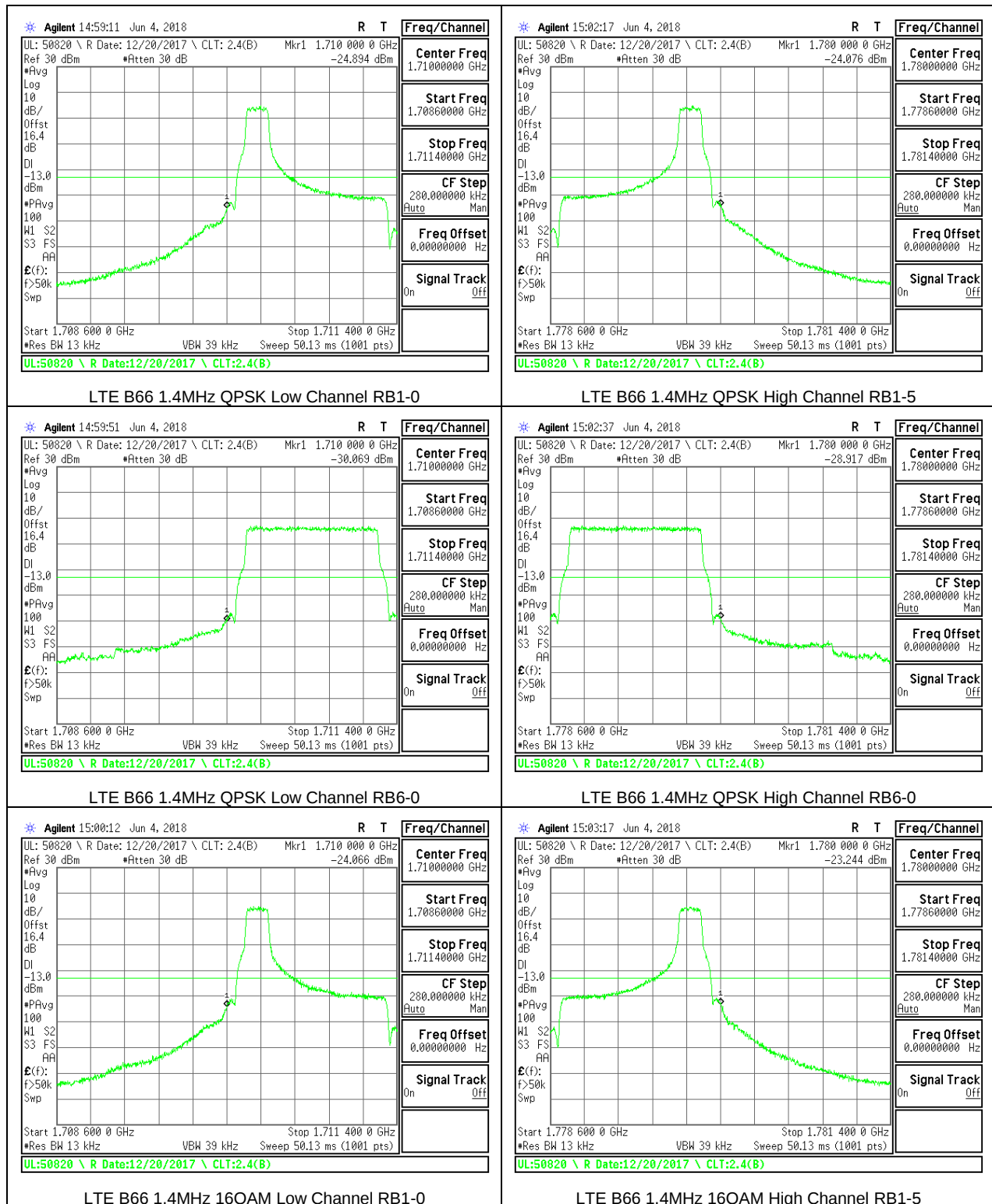
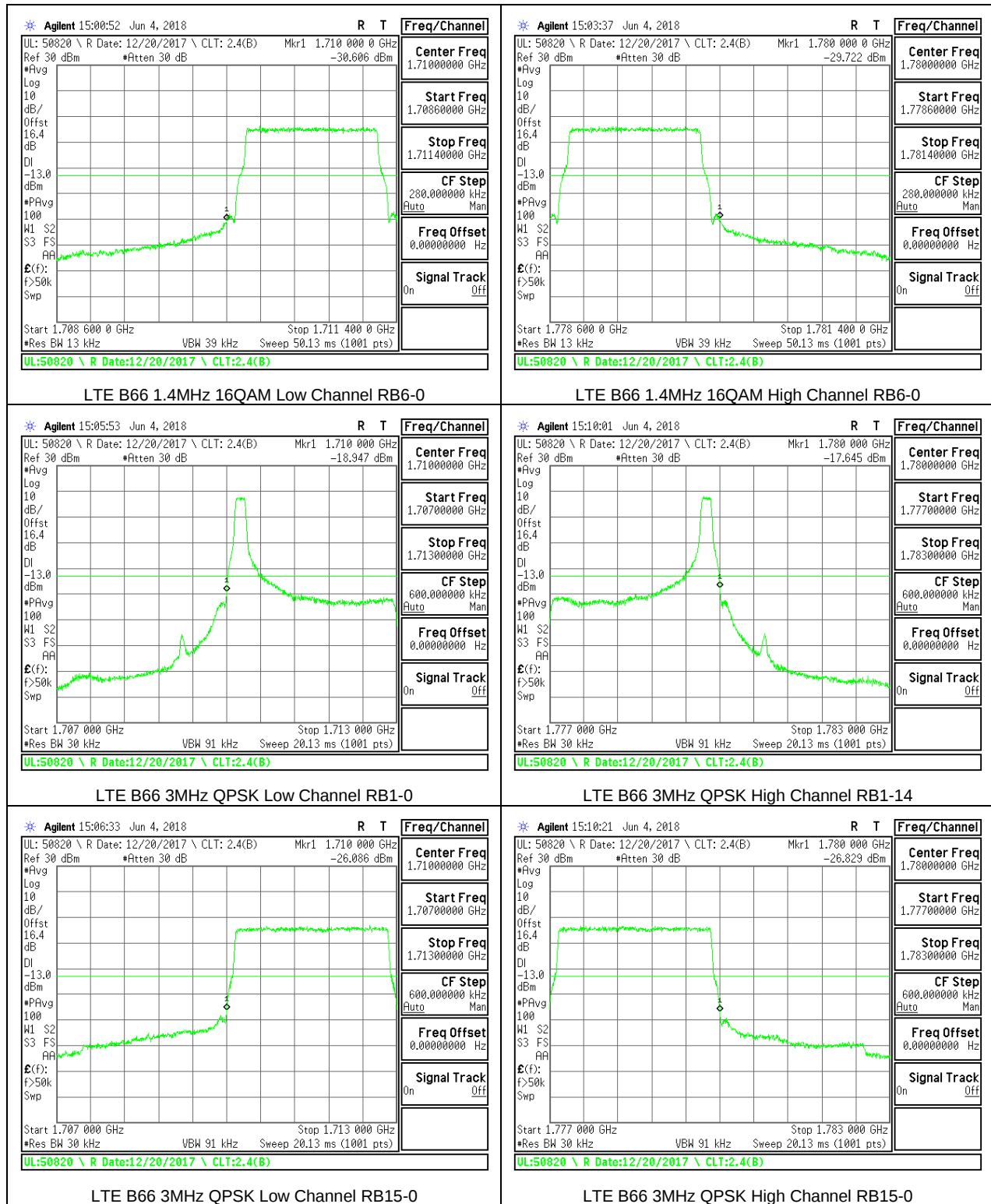
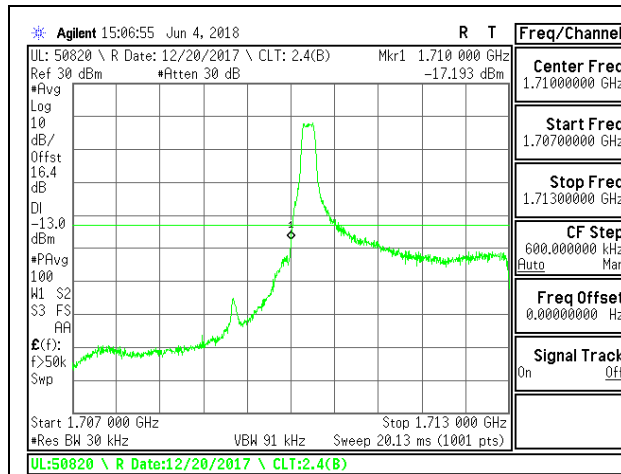




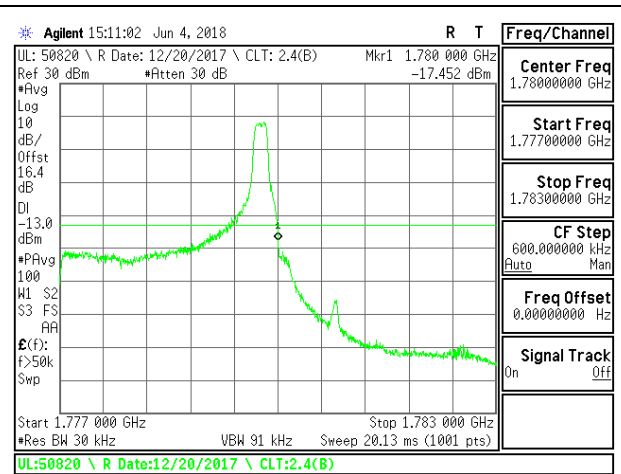
8.2.12. LTE BAND 66 BANDEDGE



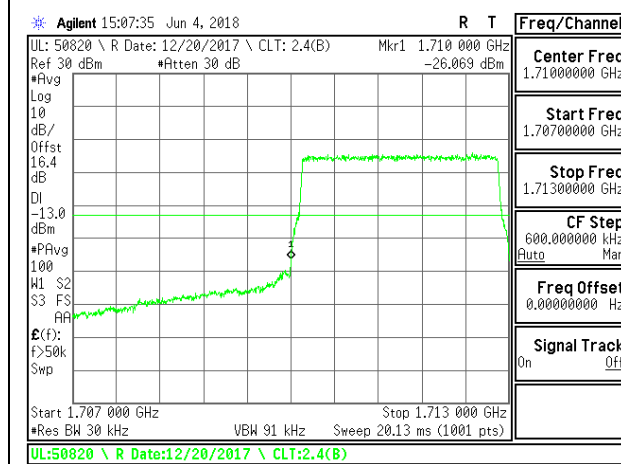




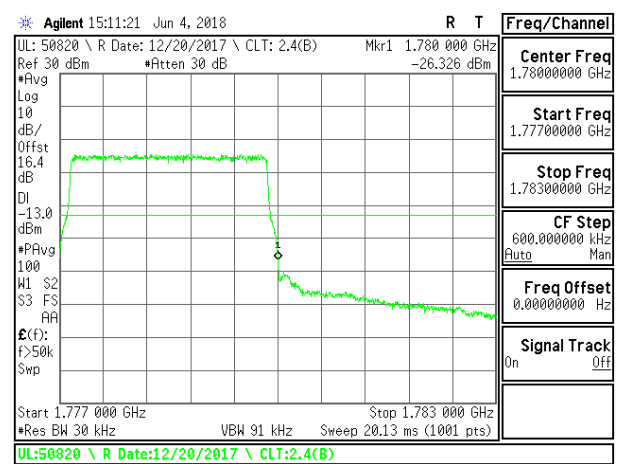
LTE B66 3MHz 16QAM Low Channel RB1-0



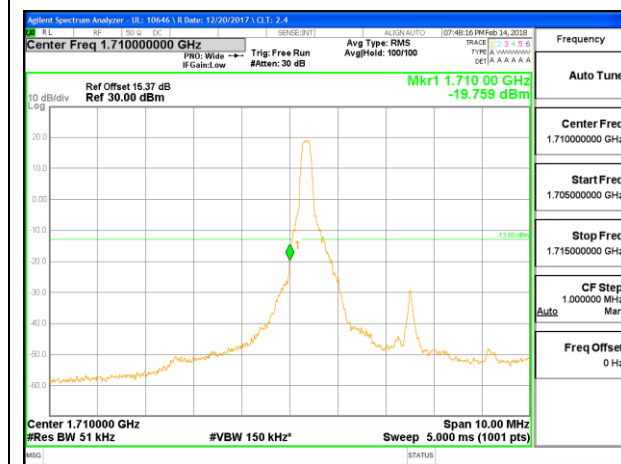
LTE B66 3MHz 16QAM High Channel RB1-14



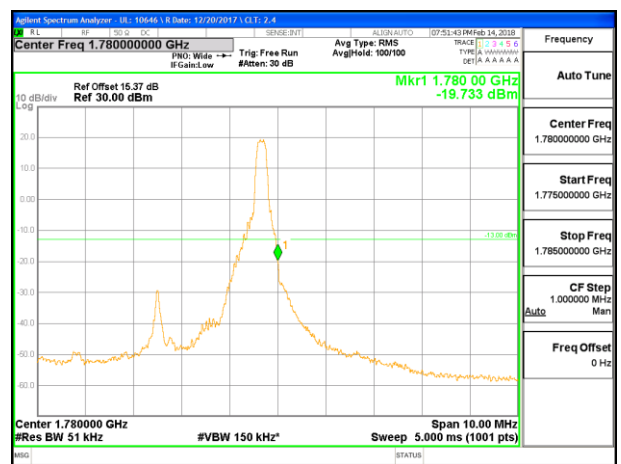
LTE B66 3MHz 16QAM Low Channel RB15-0



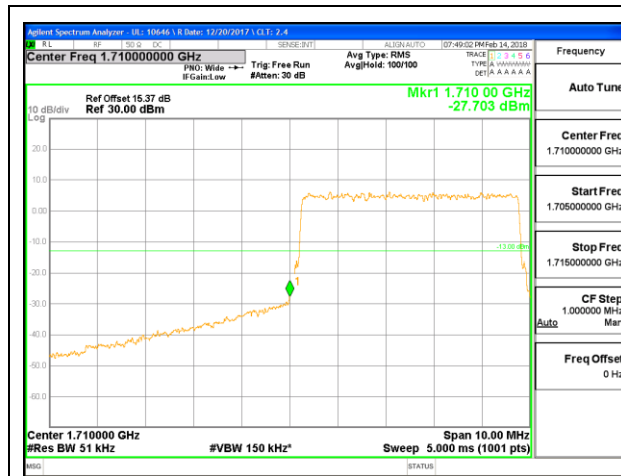
LTE B66 3MHz 16QAM High Channel RB15-0



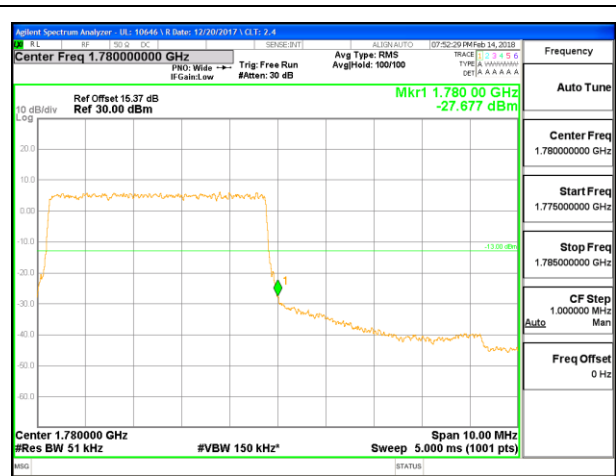
LTE B66 5MHz QPSK Low Channel RB1-0



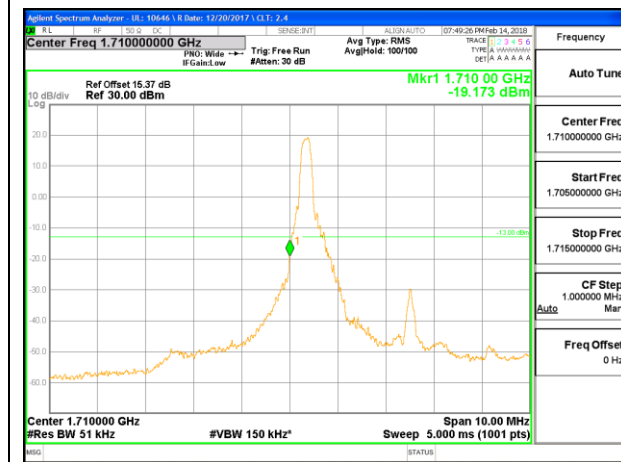
LTE B66 5MHz QPSK High Channel RB1-0



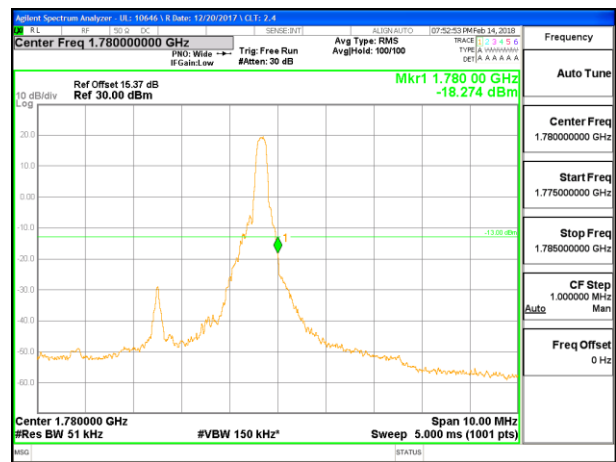
LTE B66 5MHz QPSK Low Channel RB25-0



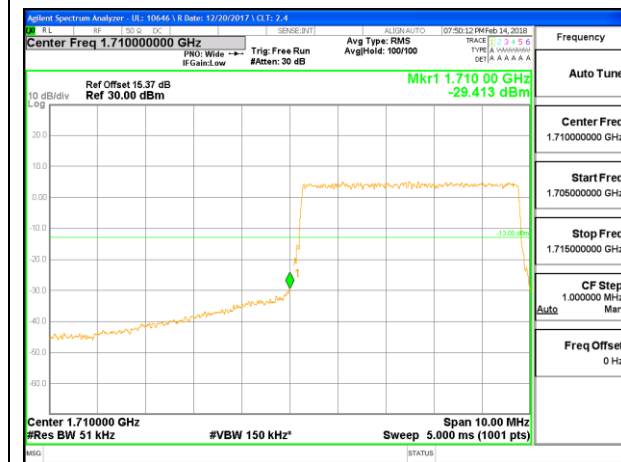
LTE B66 5MHz QPSK High Channel RB25-0



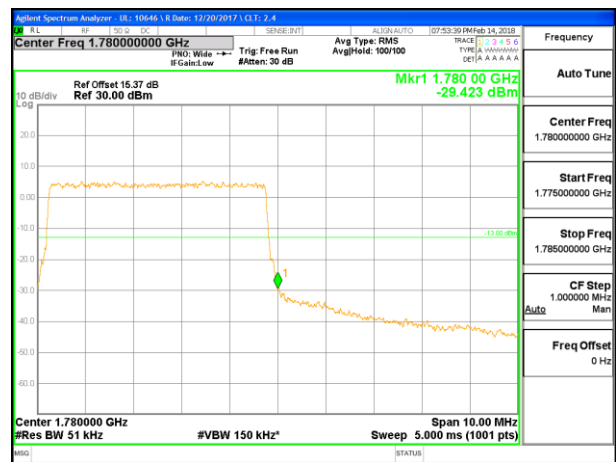
LTE B66 5MHz 16QAM Low Channel RB1-0



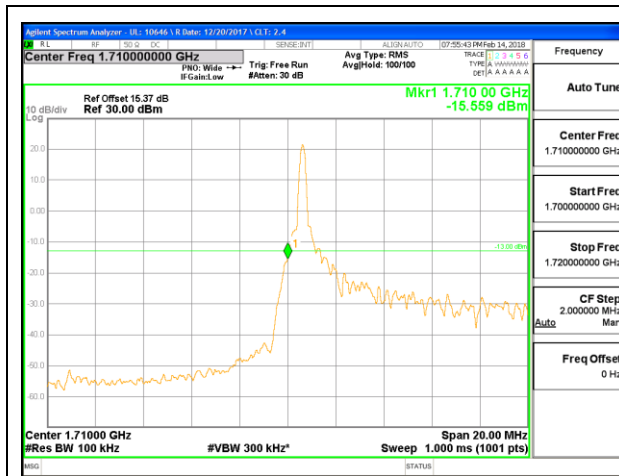
LTE B66 5MHz 16QAM High Channel RB1-0



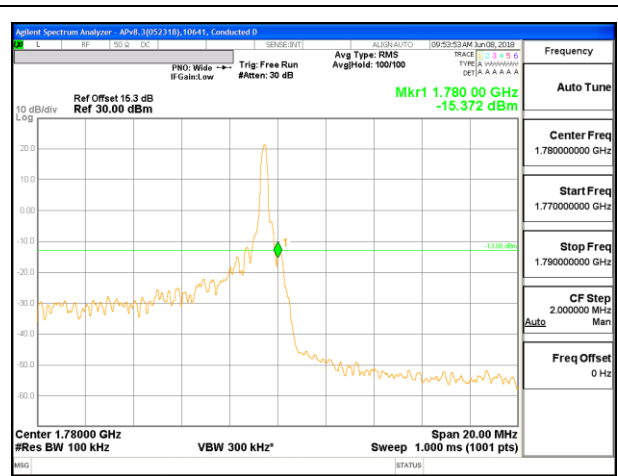
LTE B66 5MHz 16QAM Low Channel RB25-0



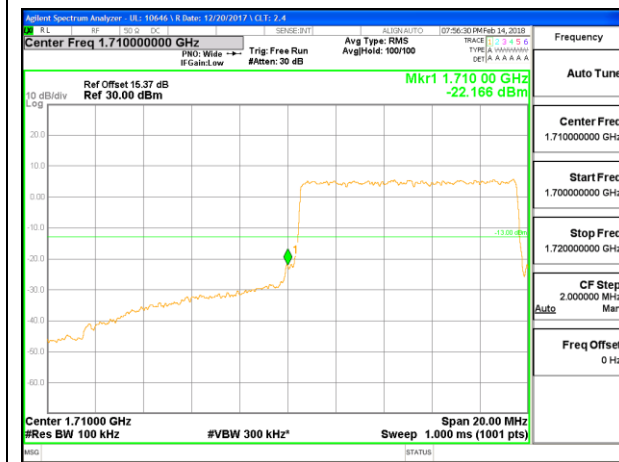
LTE B66 5MHz 16QAM High Channel RB25-0



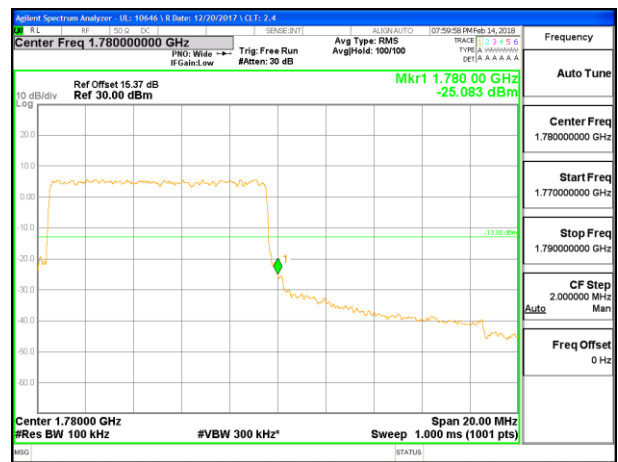
LTE B66 10MHz QPSK Low Channel RB1-0



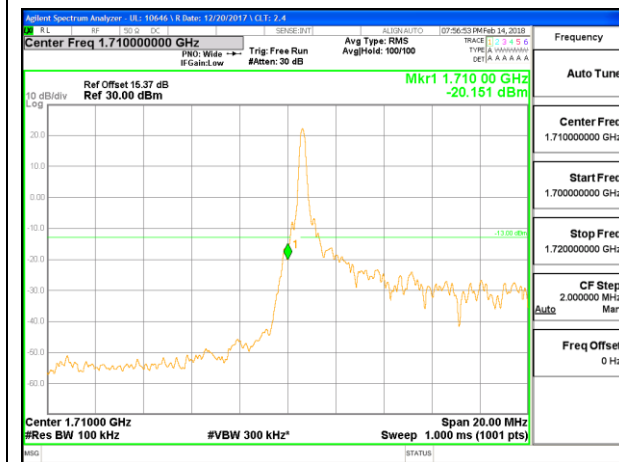
LTE B66 10MHz QPSK High Channel RB1-0



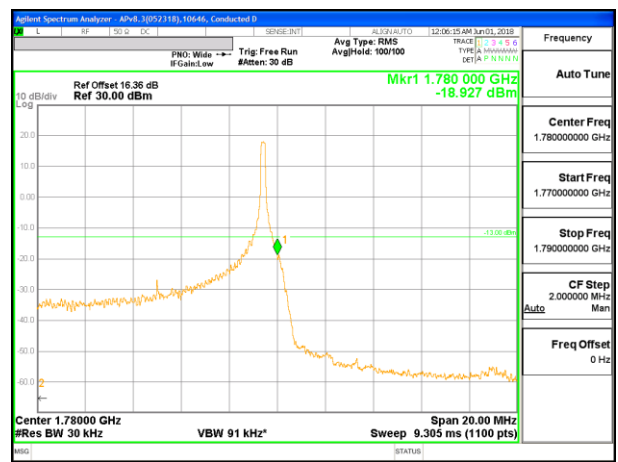
LTE B66 10MHz QPSK Low Channel RB50-0



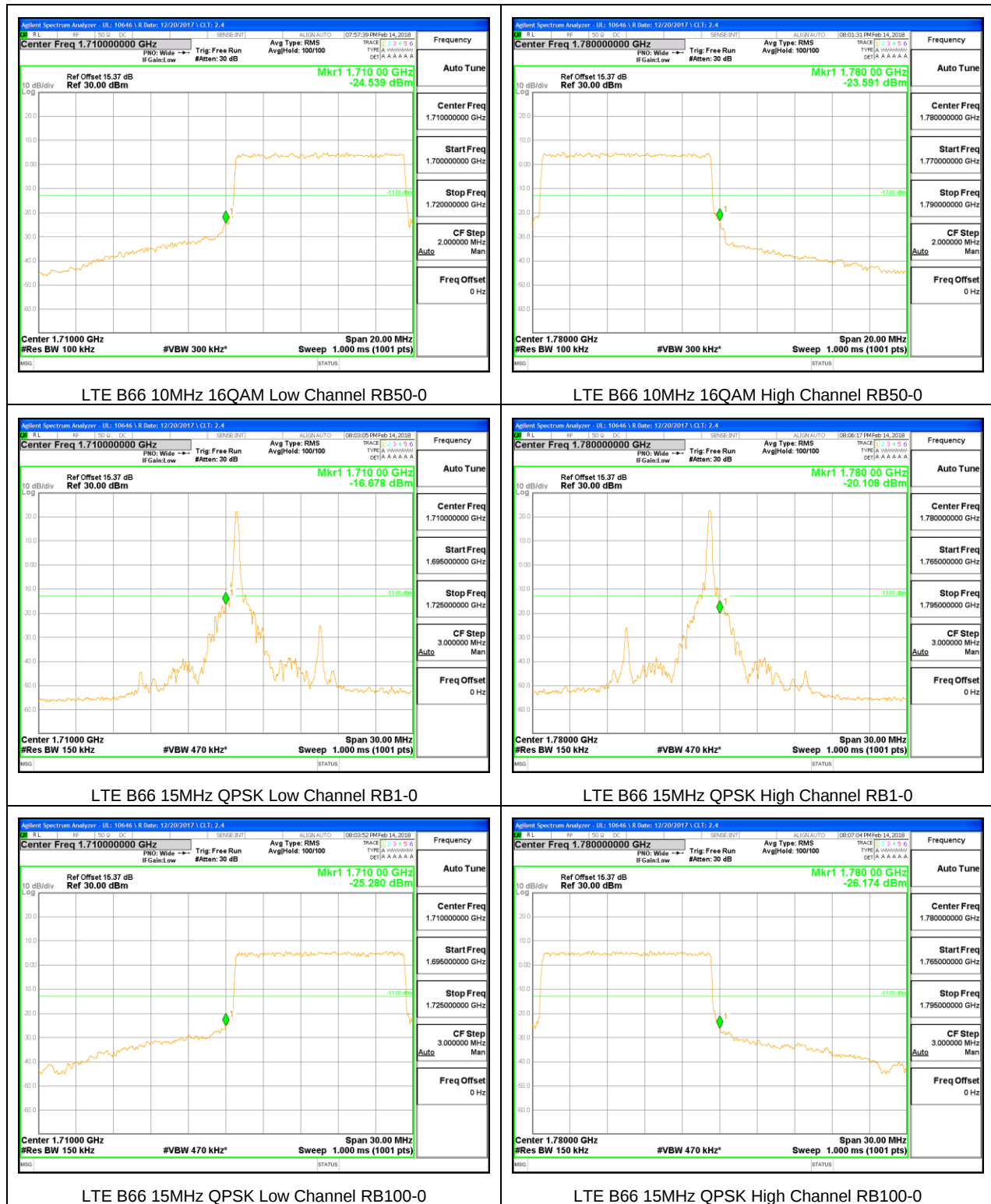
LTE B66 10MHz QPSK High Channel RB50-0



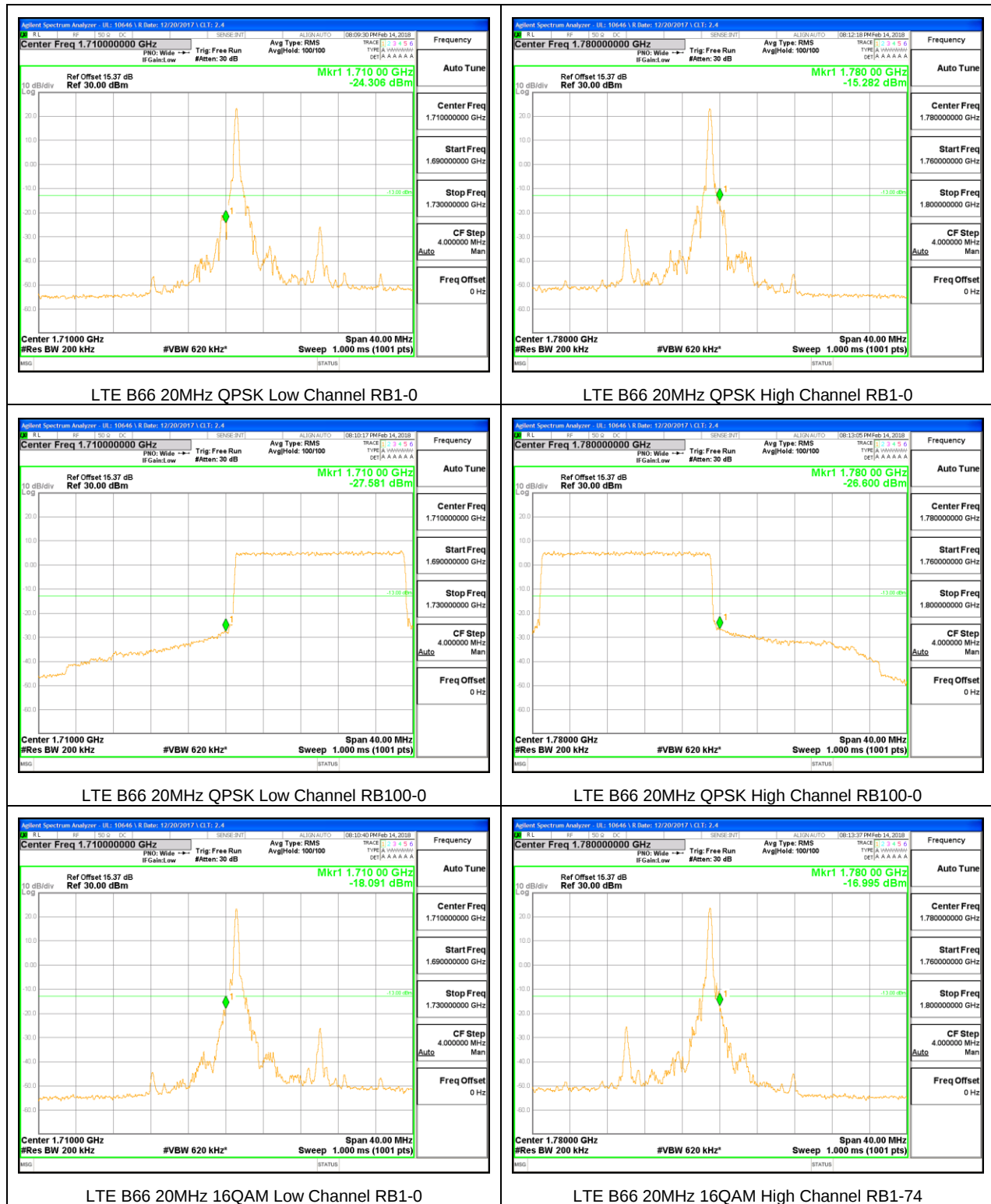
LTE B66 10MHz 16QAM Low Channel RB1-0

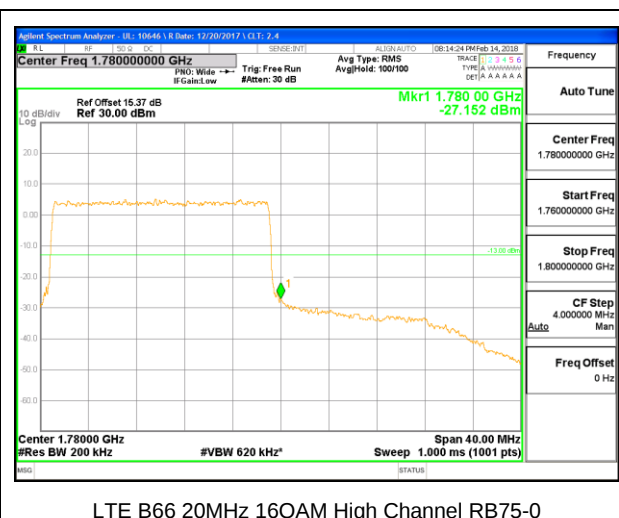
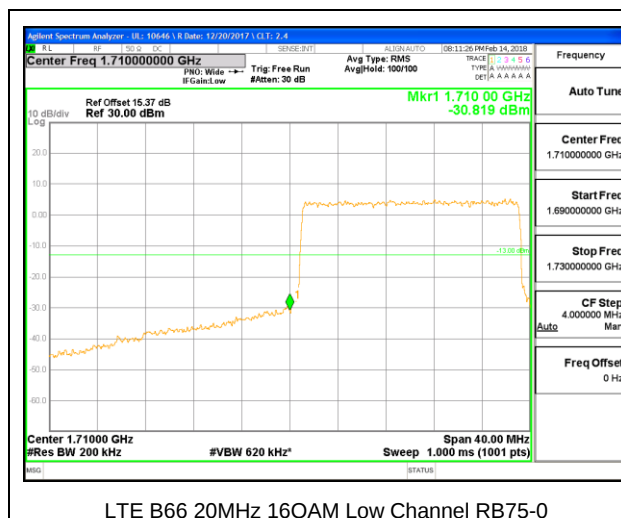


LTE B66 10MHz 16QAM High Channel RB1-0









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.

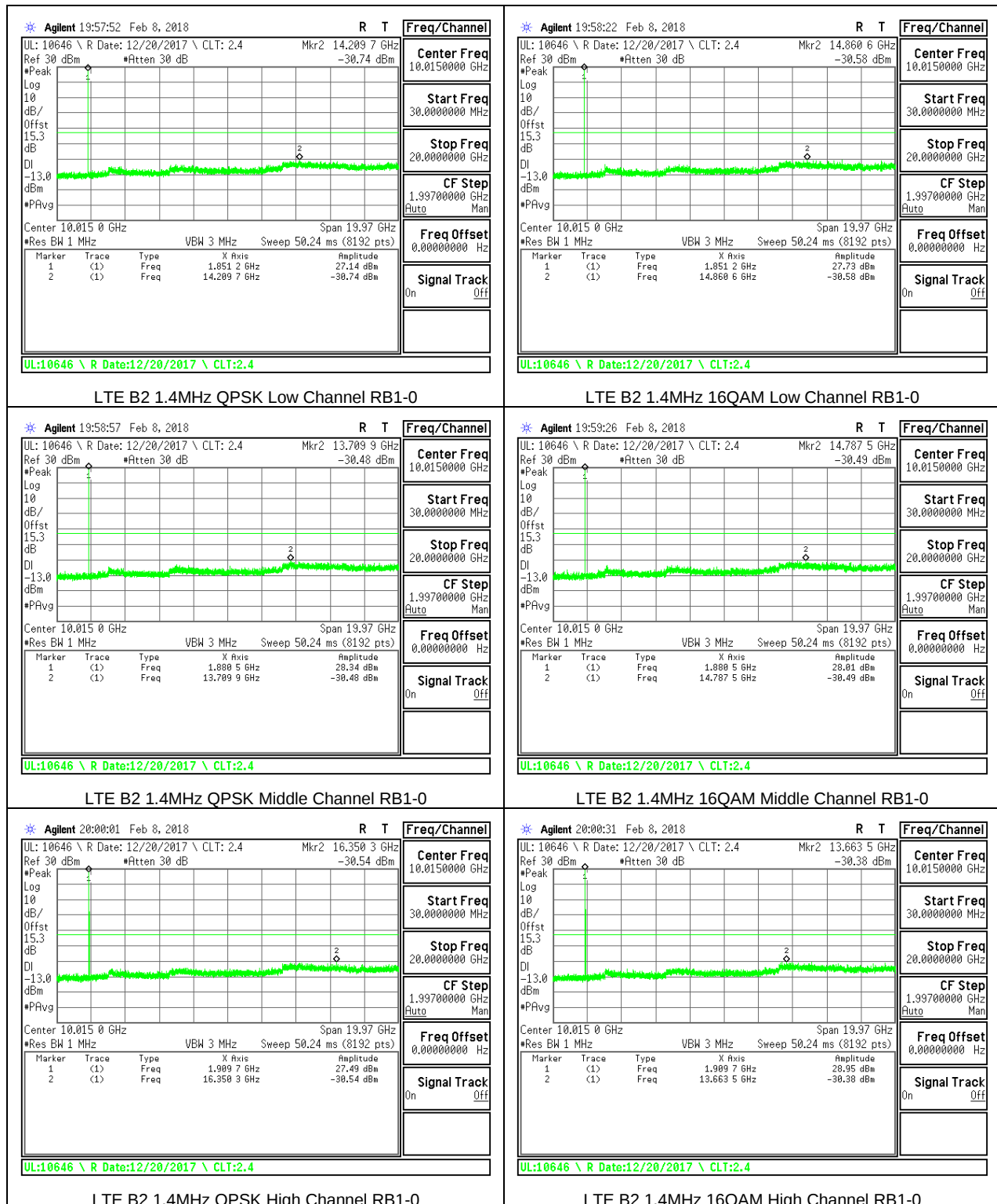
For each out of band emissions measurement:

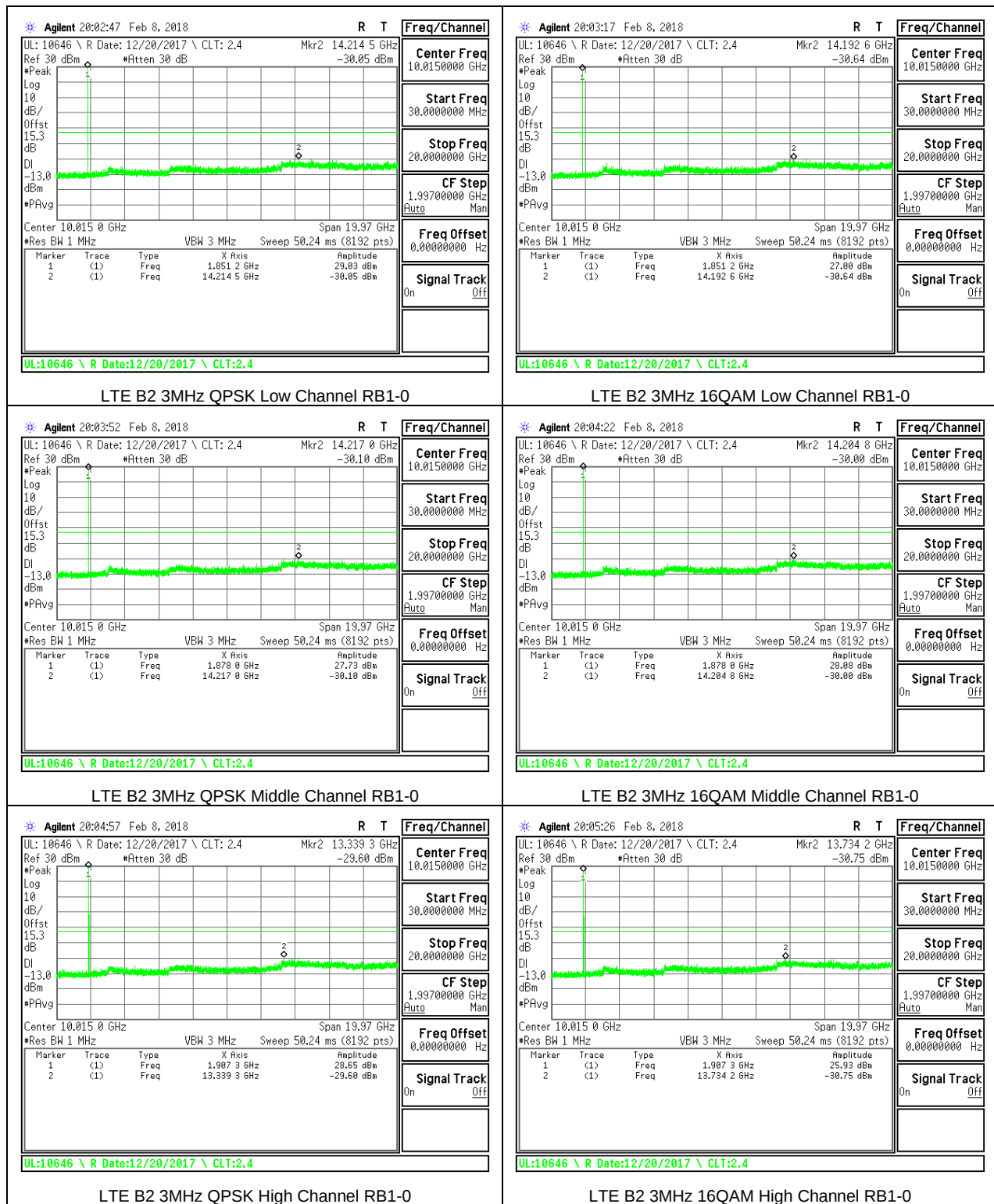
- Set display line at -13 dBm, -25dBm and -40dBm according to the band Limit
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

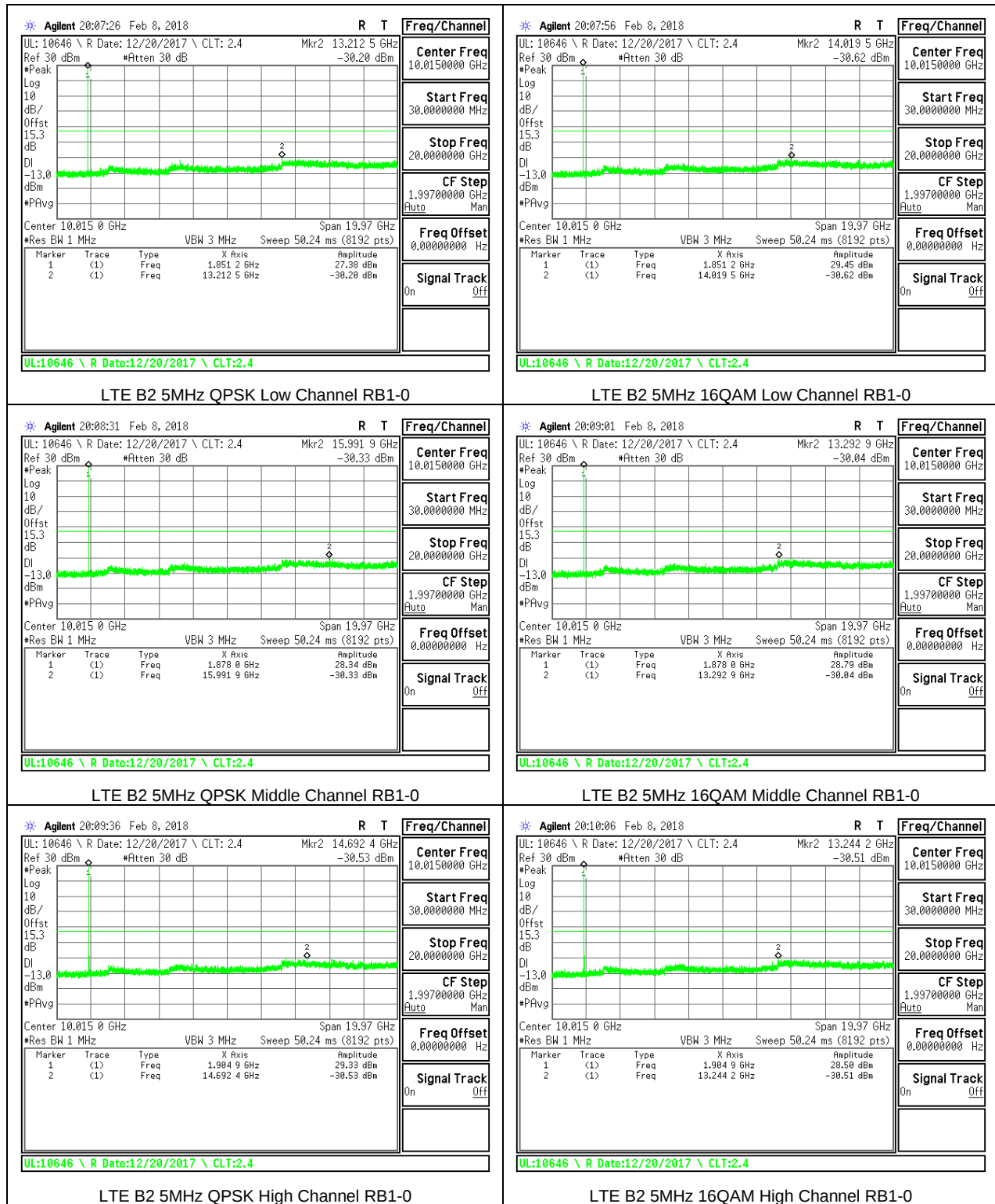
MODES TESTED

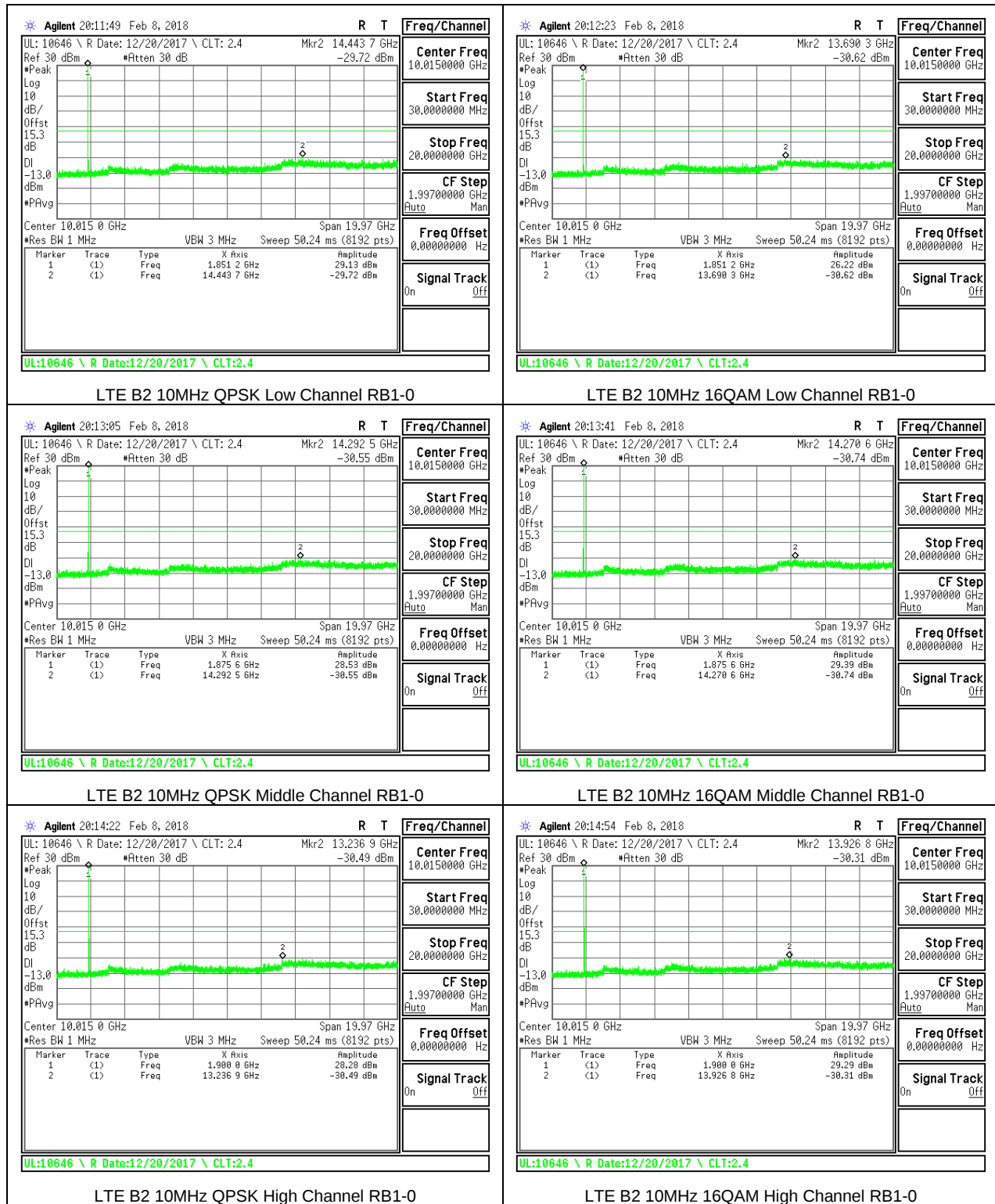
- LTE Band 2
- LTE Band 5
- LTE Band 7
- LTE Band 12
- LTE Band 13
- LTE Band 14
- LTE Band 17
- LTE Band 25
- LTE Band 26
- LTE Band 30
- LTE Band 41
- LTE Band 66

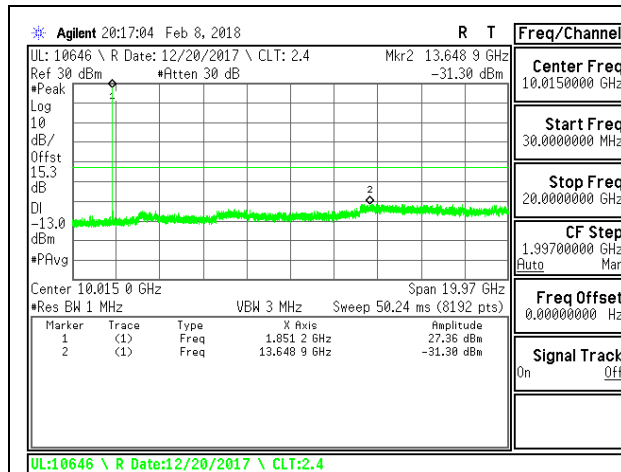
8.3.1. ANT1, LTE BAND 2



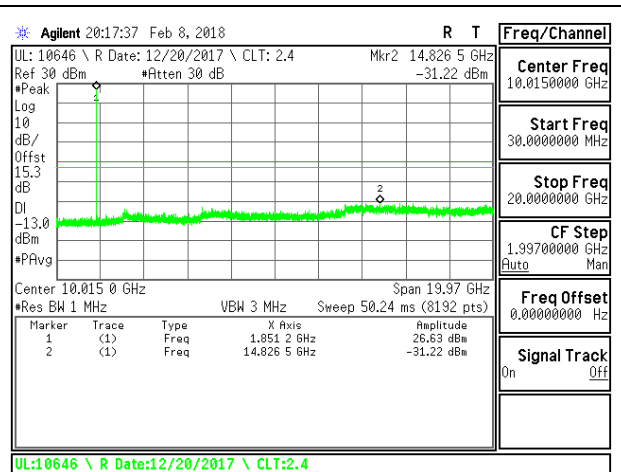




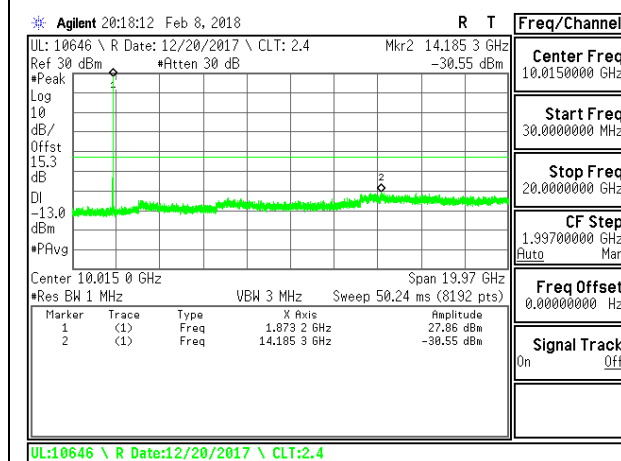




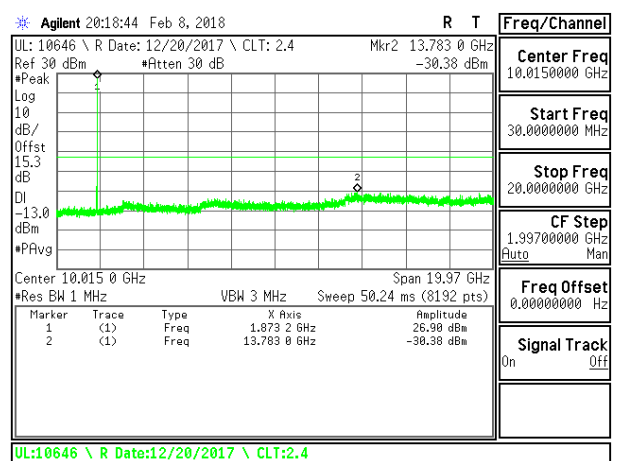
LTE B2 15MHz QPSK Low Channel RB1-0



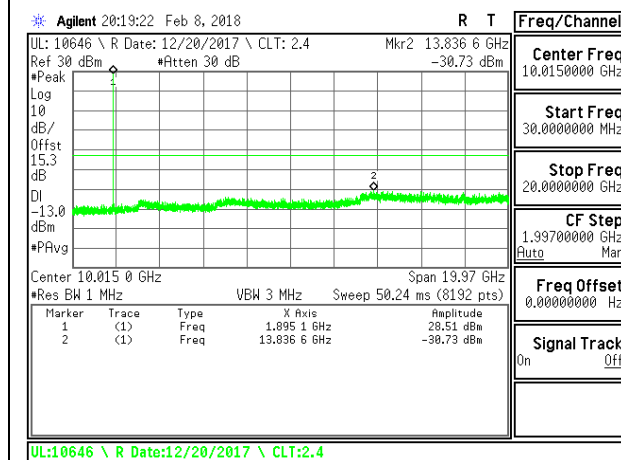
LTE B2 15MHz 16QAM Low Channel RB1-0



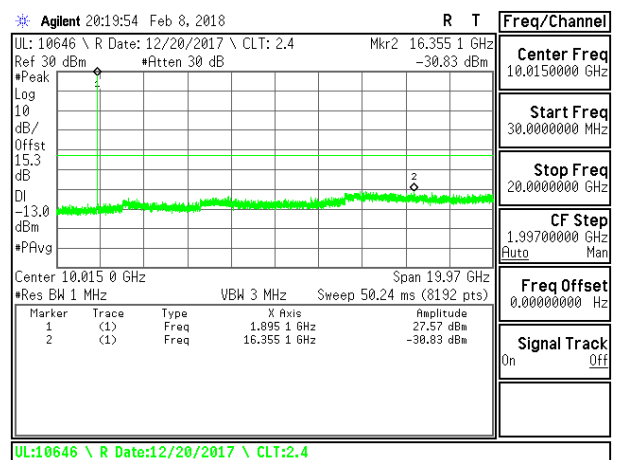
LTE B2 15MHz QPSK Middle Channel RB1-0



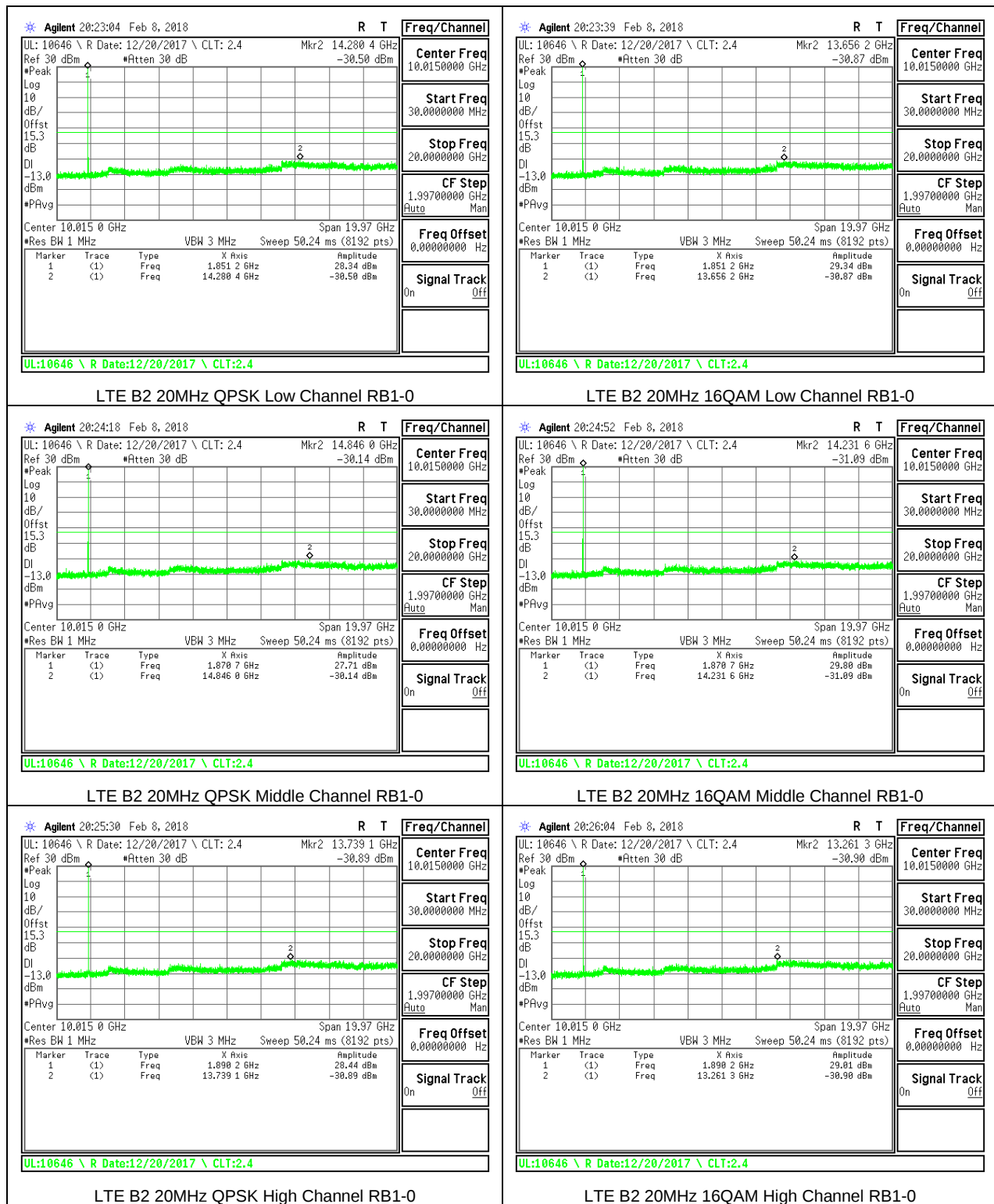
LTE B2 15MHz 16QAM Middle Channel RB1-0



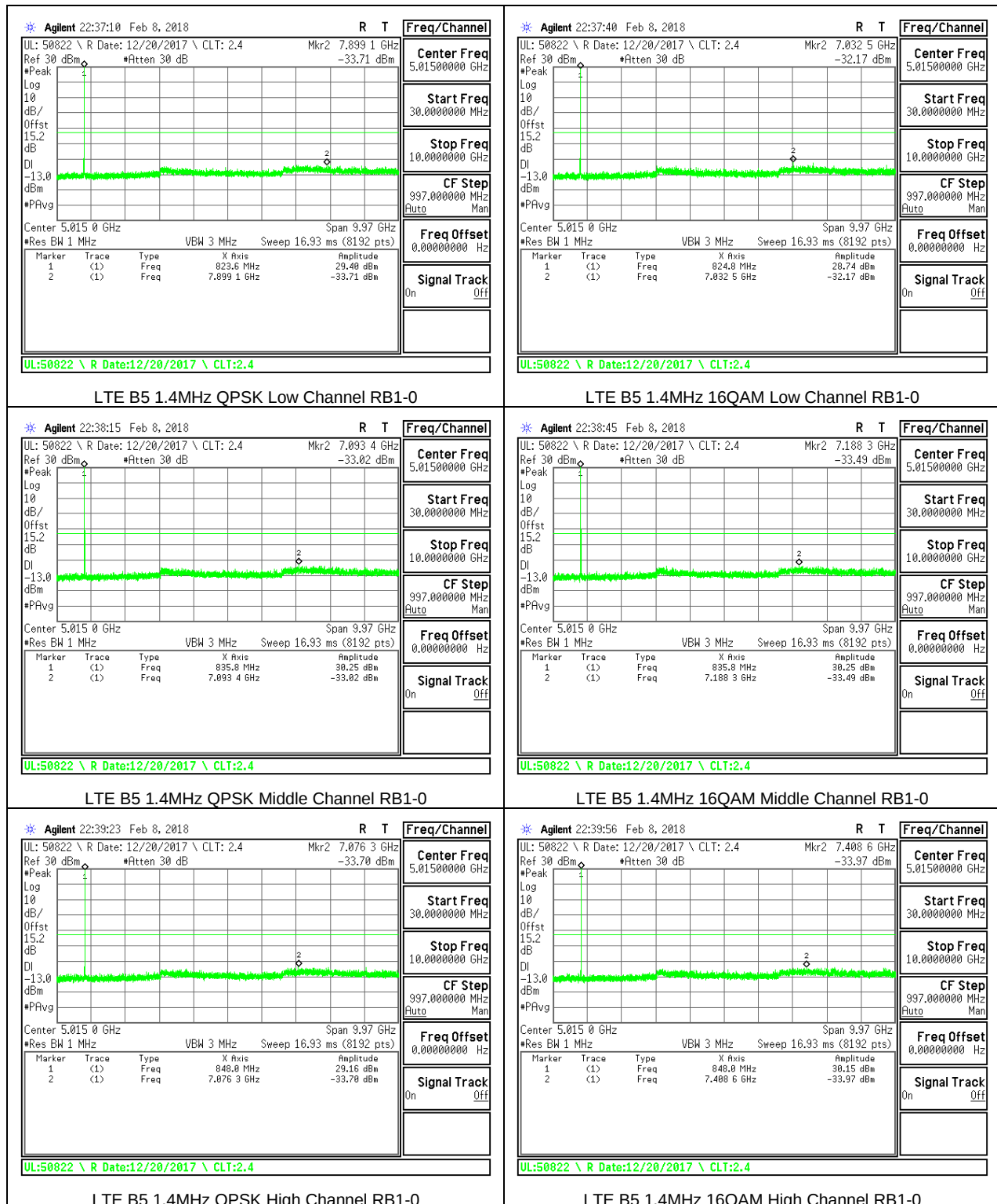
LTE B2 15MHz QPSK High Channel RB1-0

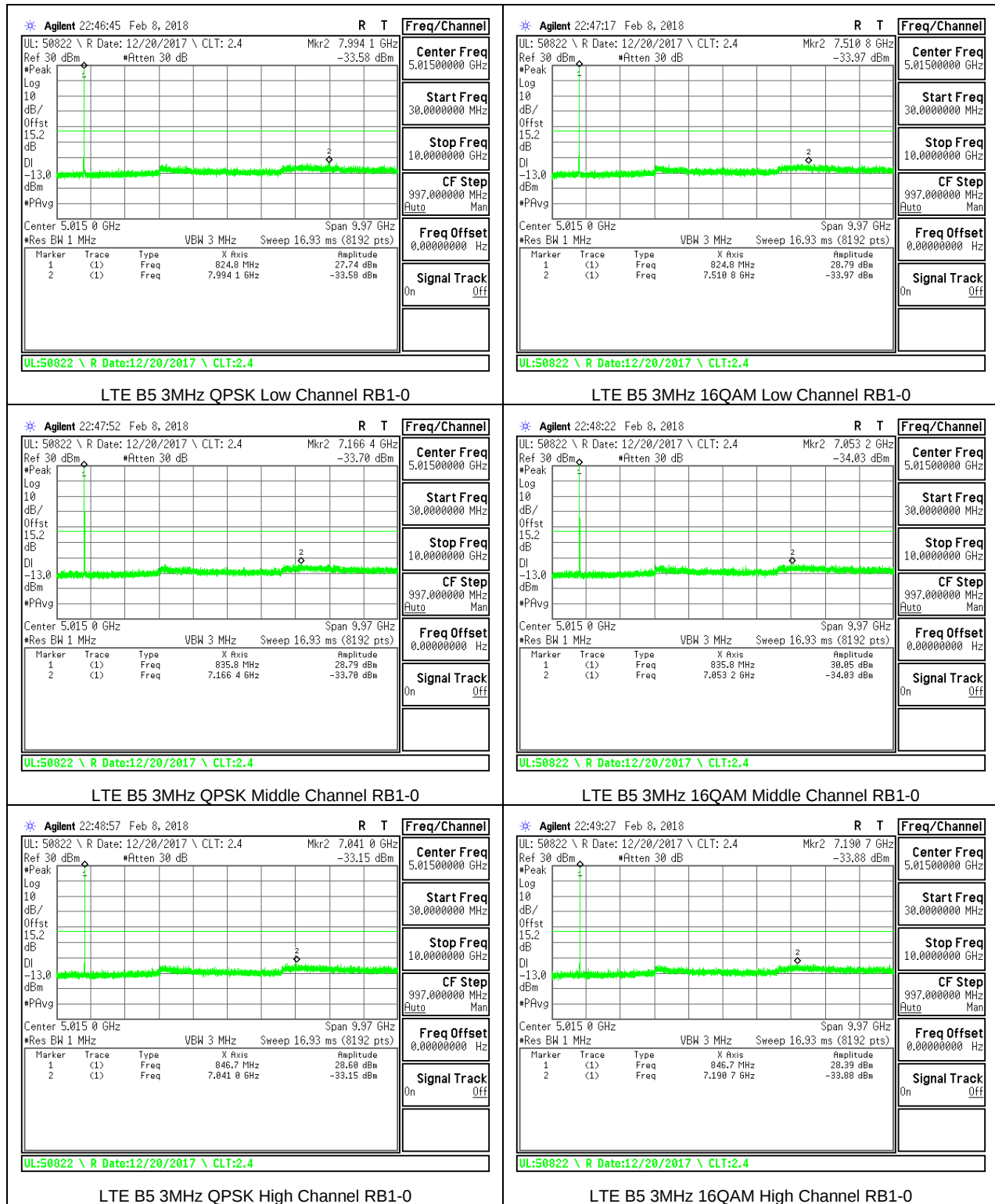


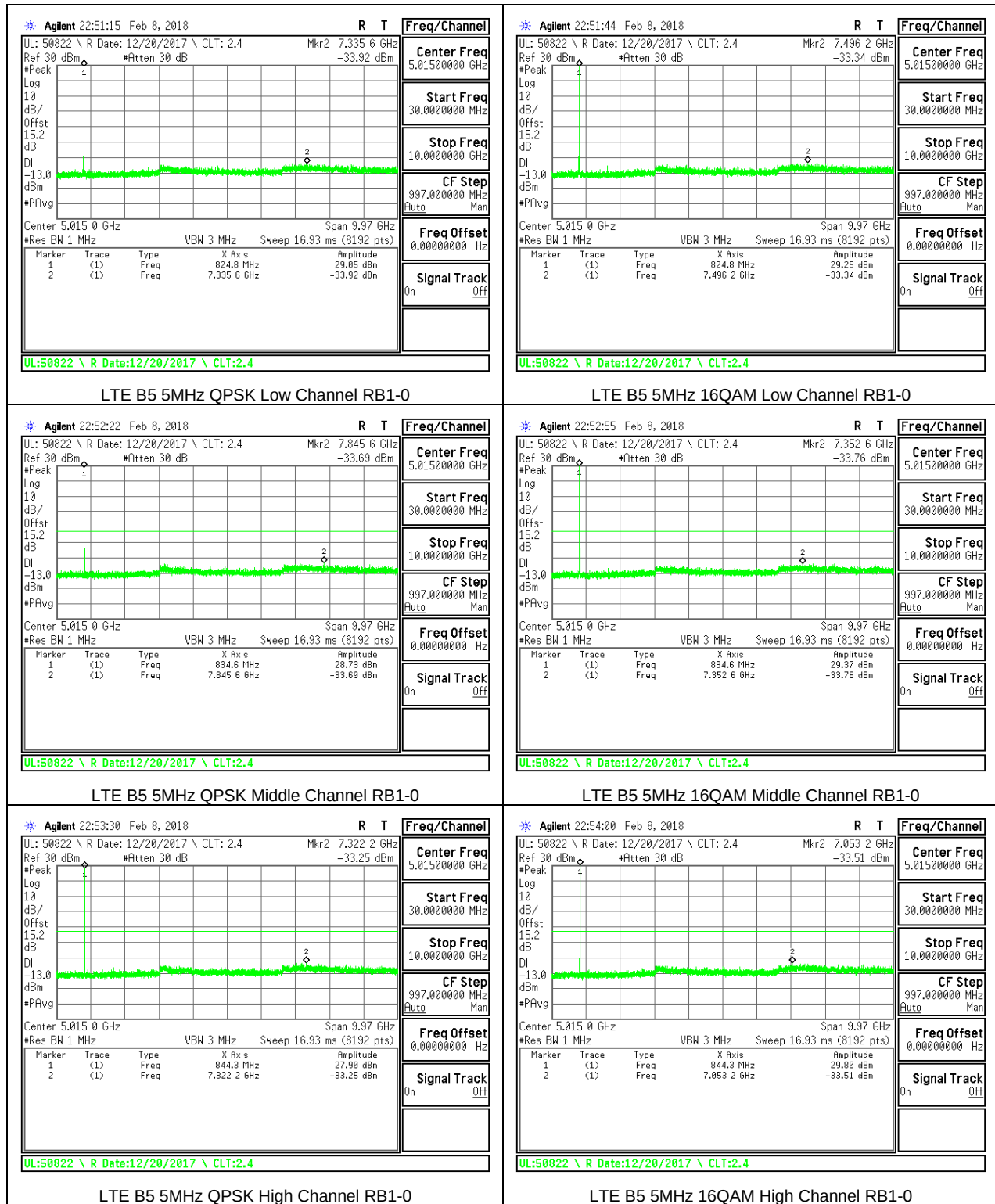
LTE B2 15MHz 16QAM High Channel RB1-0

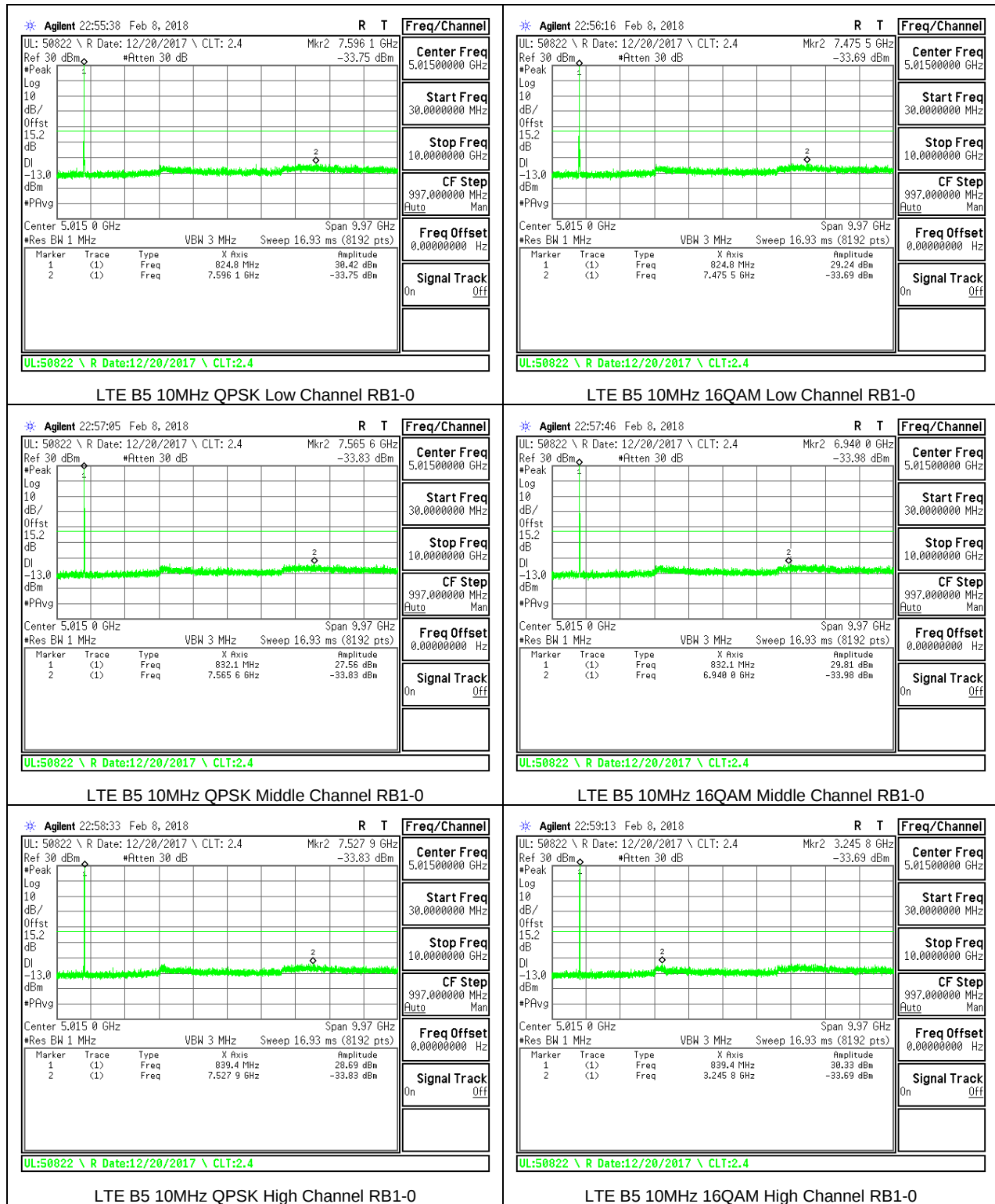


8.3.2. ANT1, LTE BAND 5

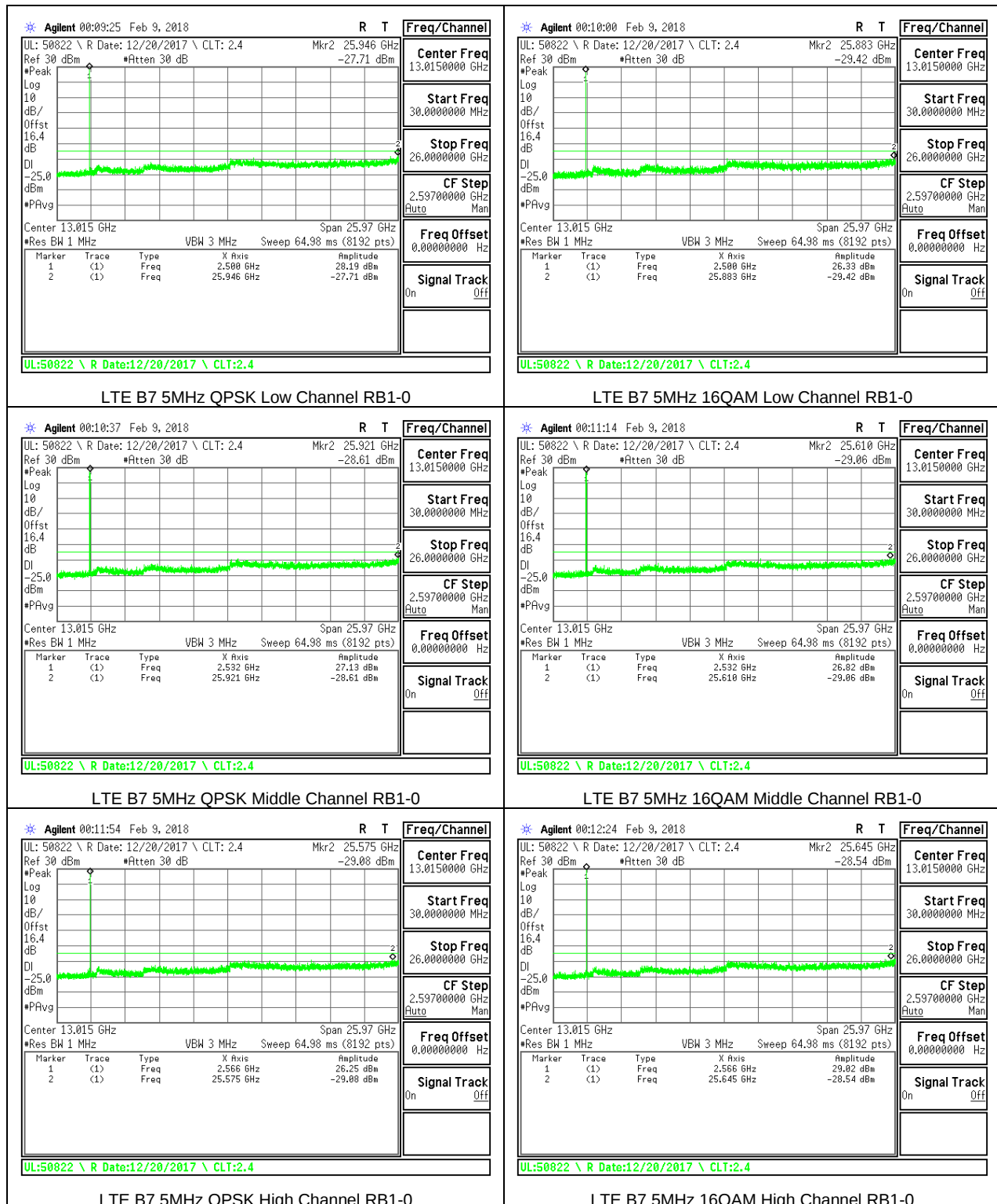


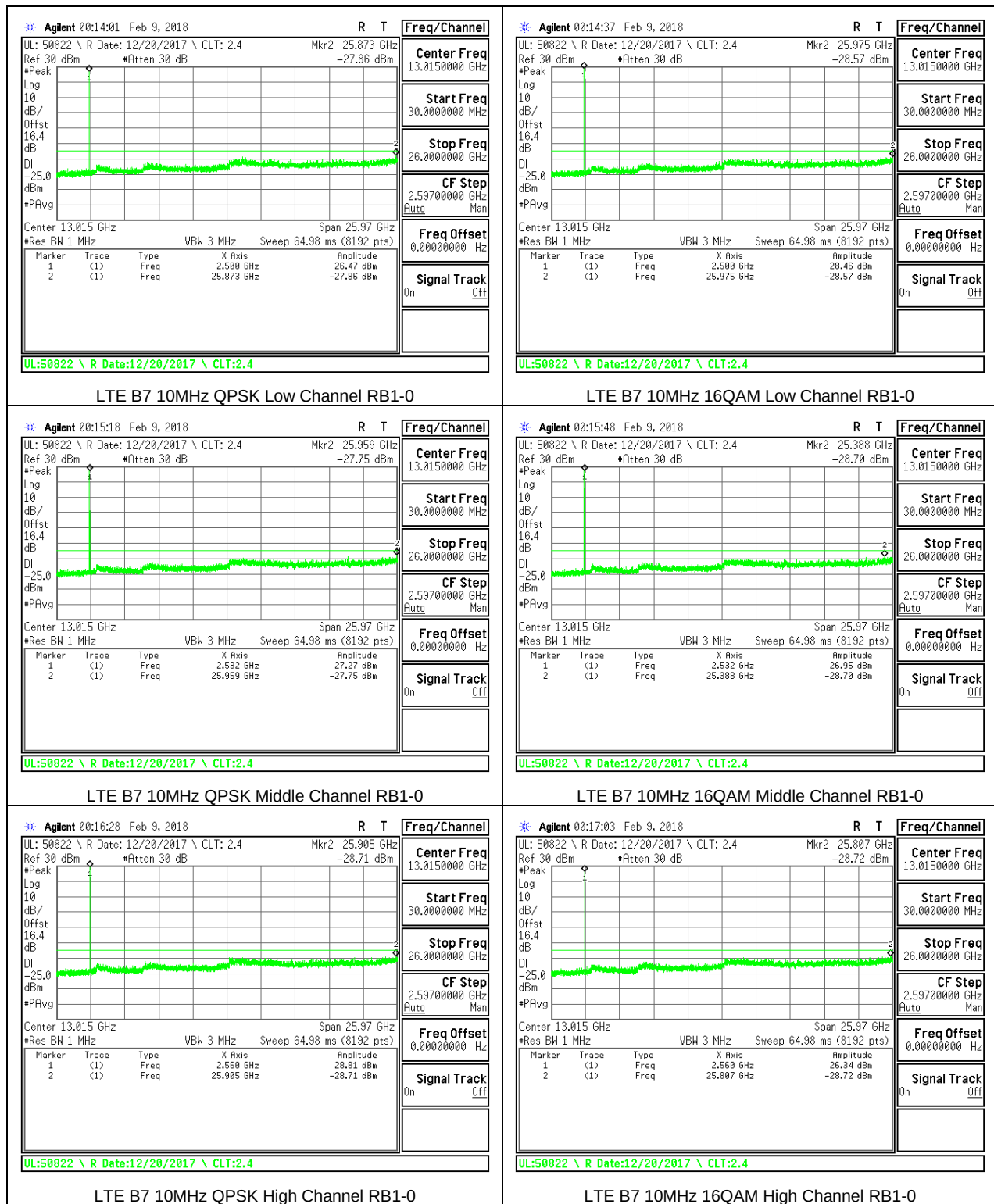


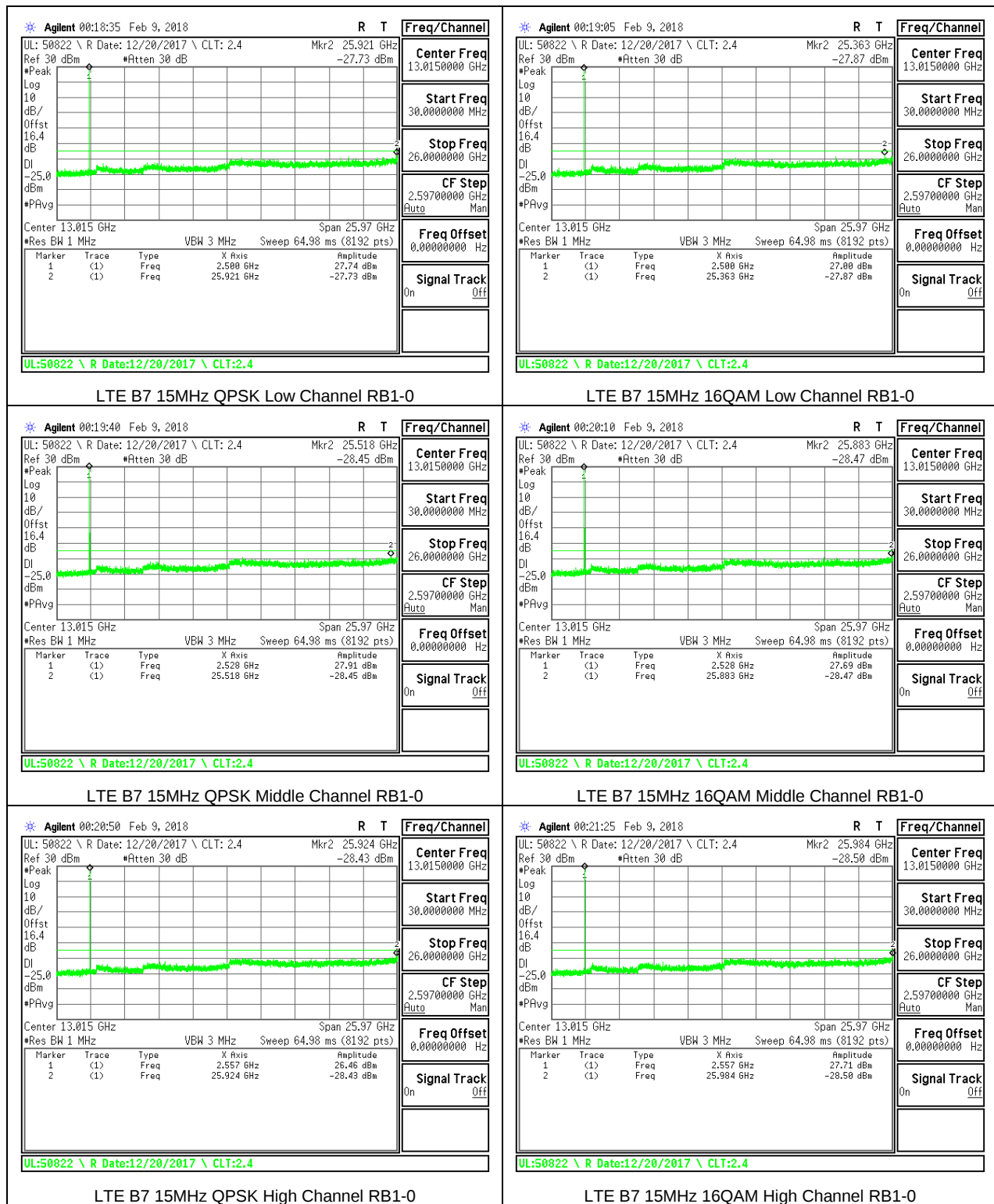


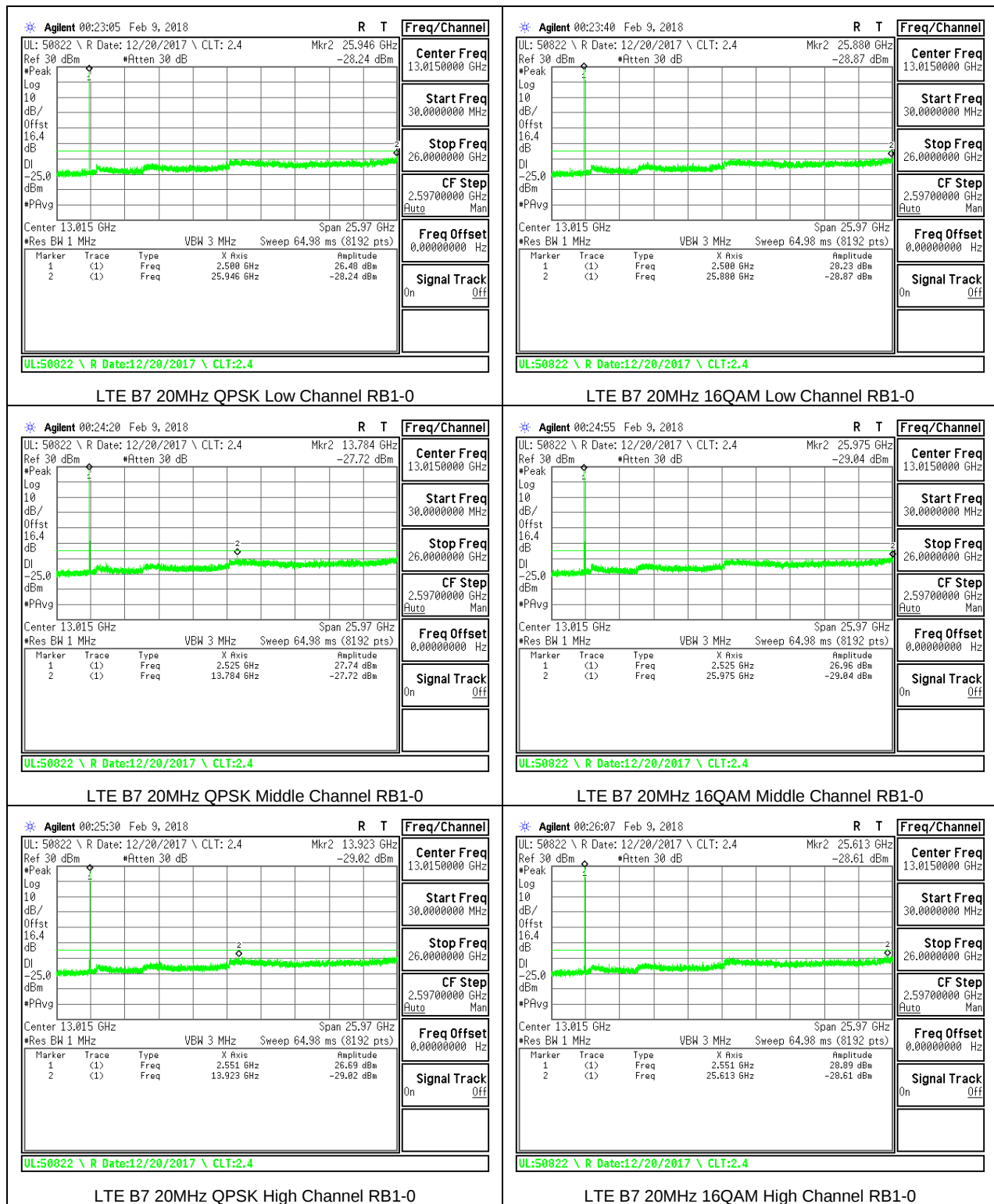


8.3.3. ANT1, LTE BAND 7

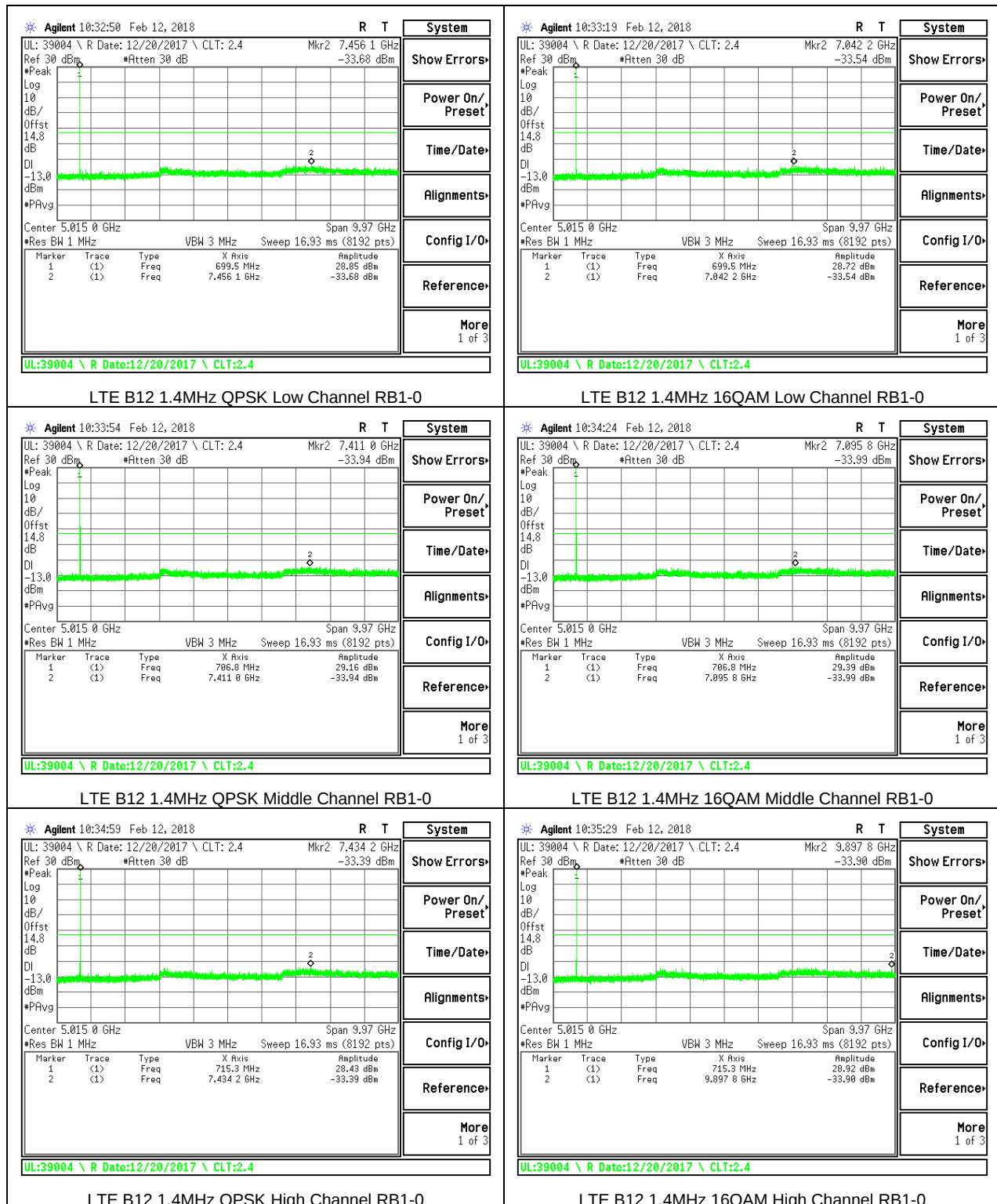


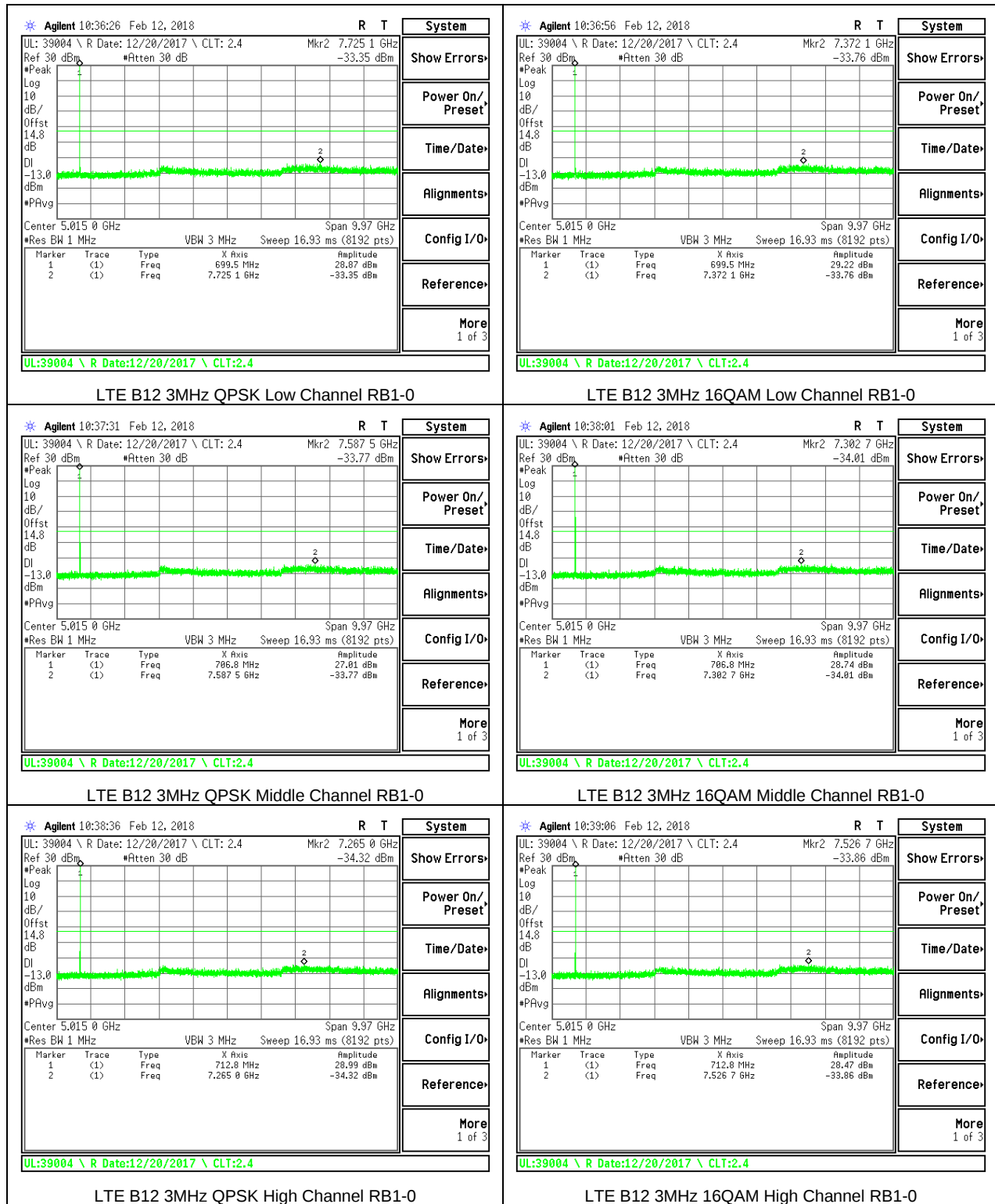


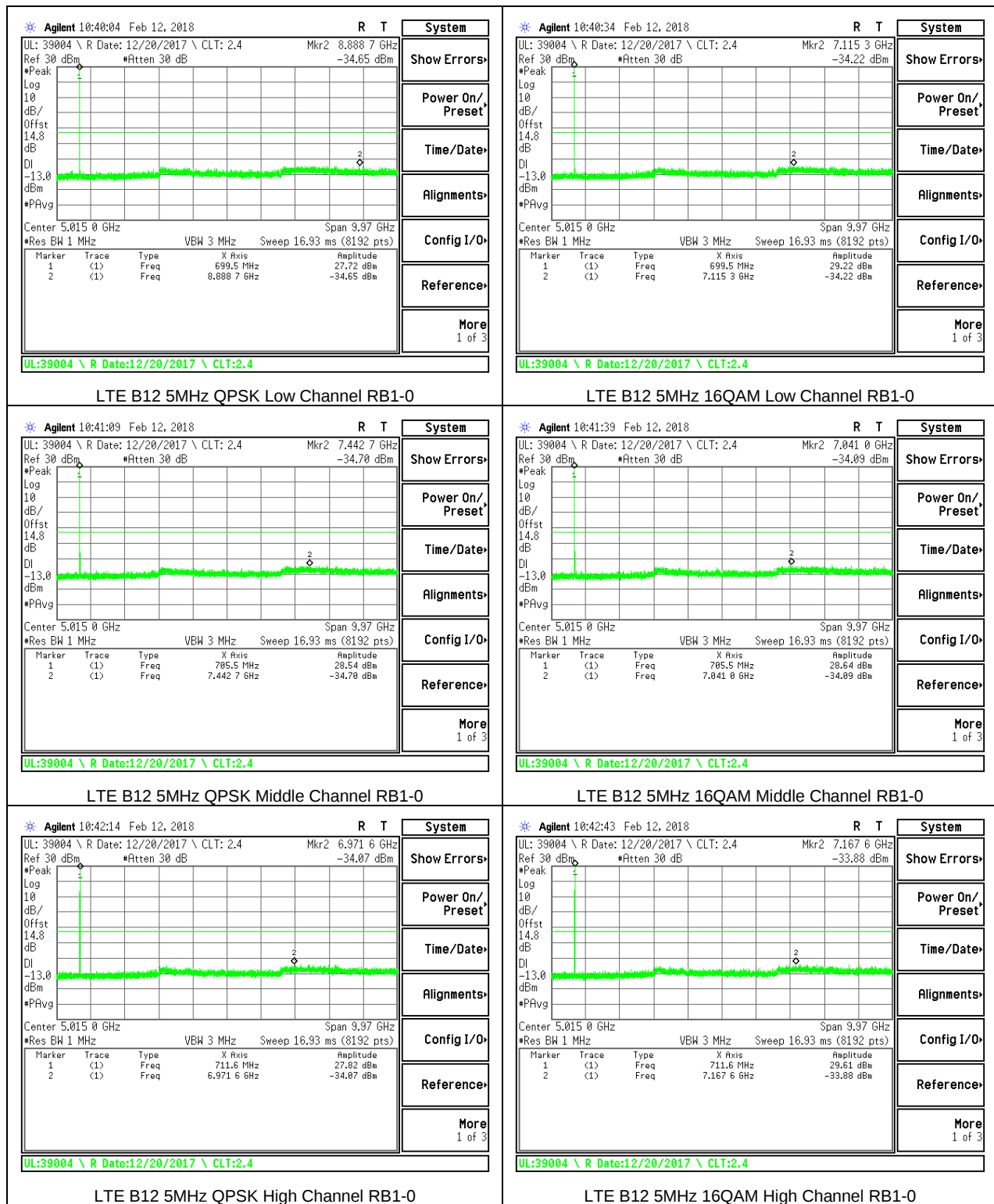


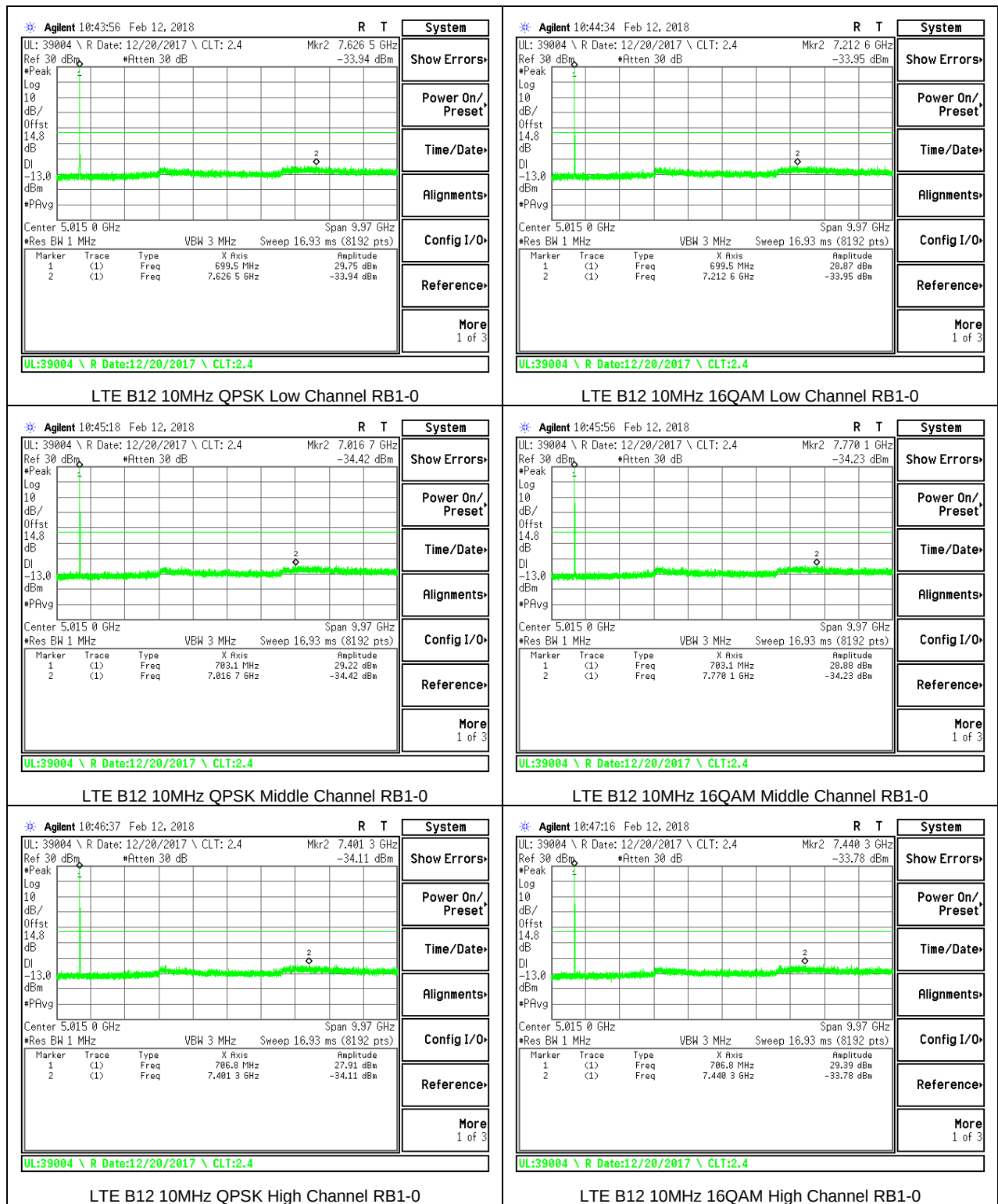


8.3.4. ANT1, LTE BAND 12

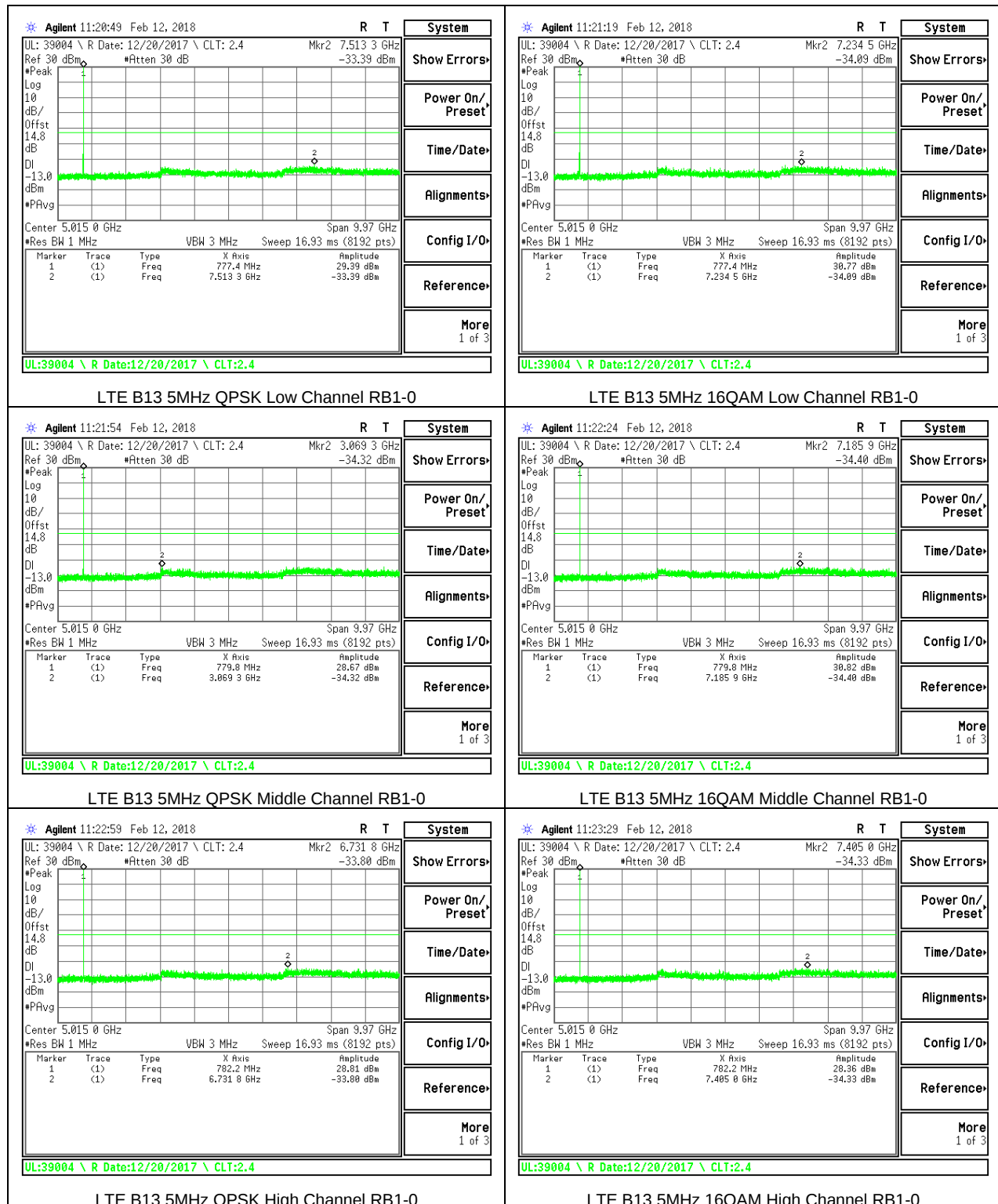


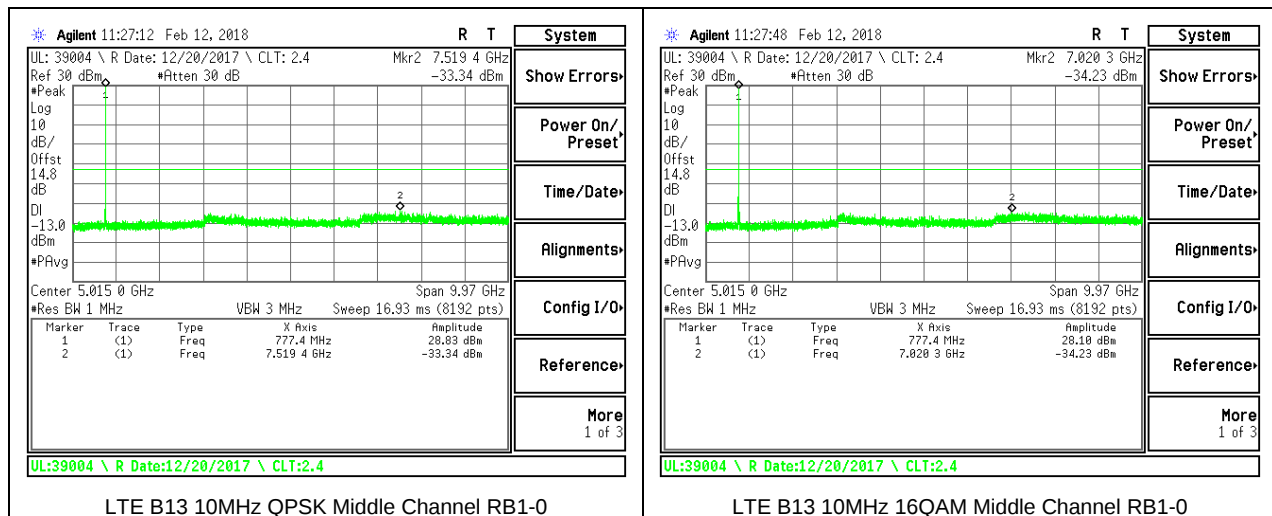




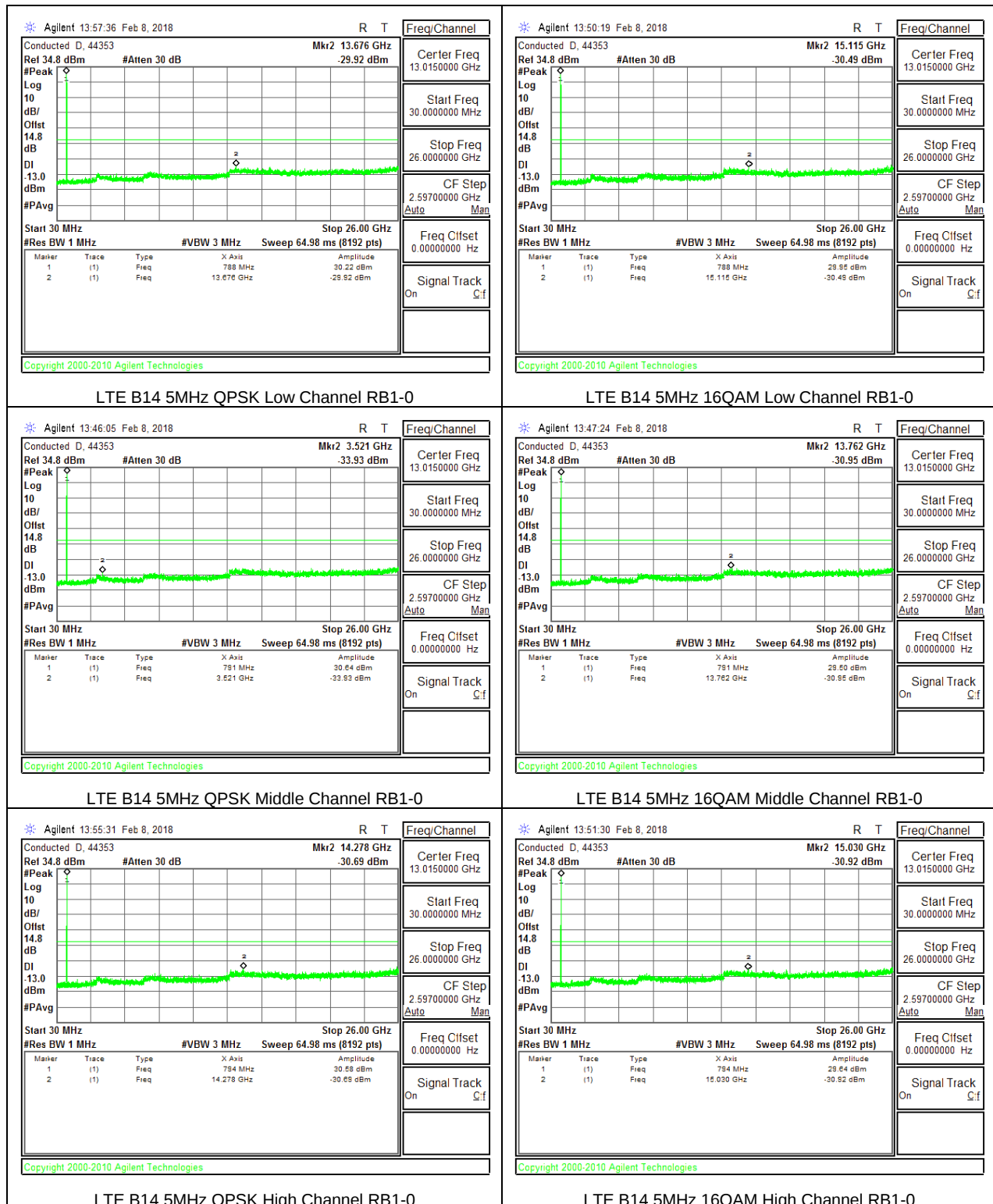


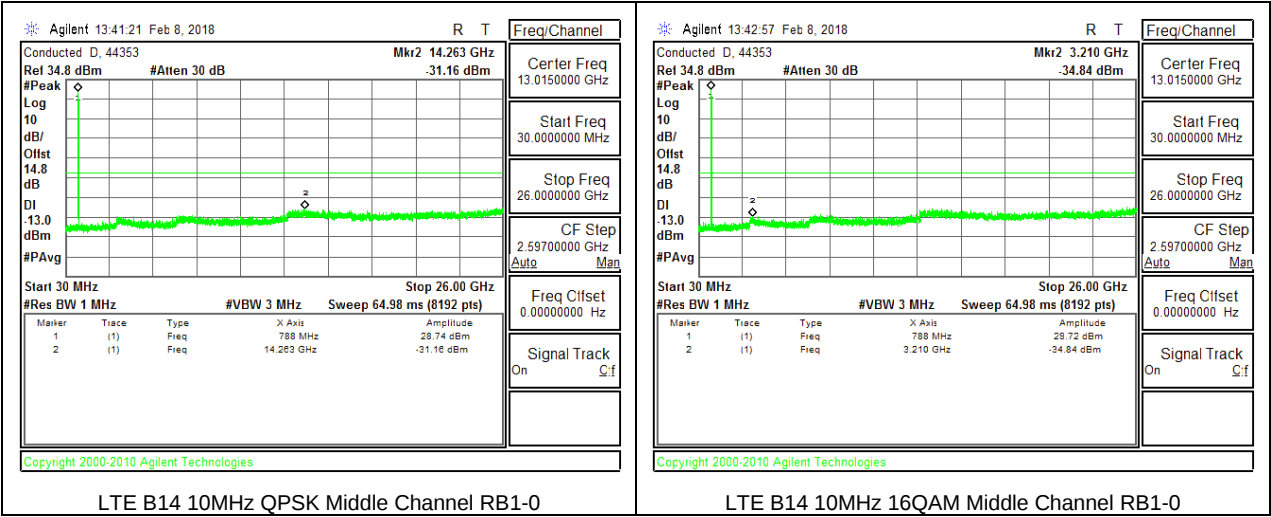
8.3.5. ANT1, LTE BAND 13



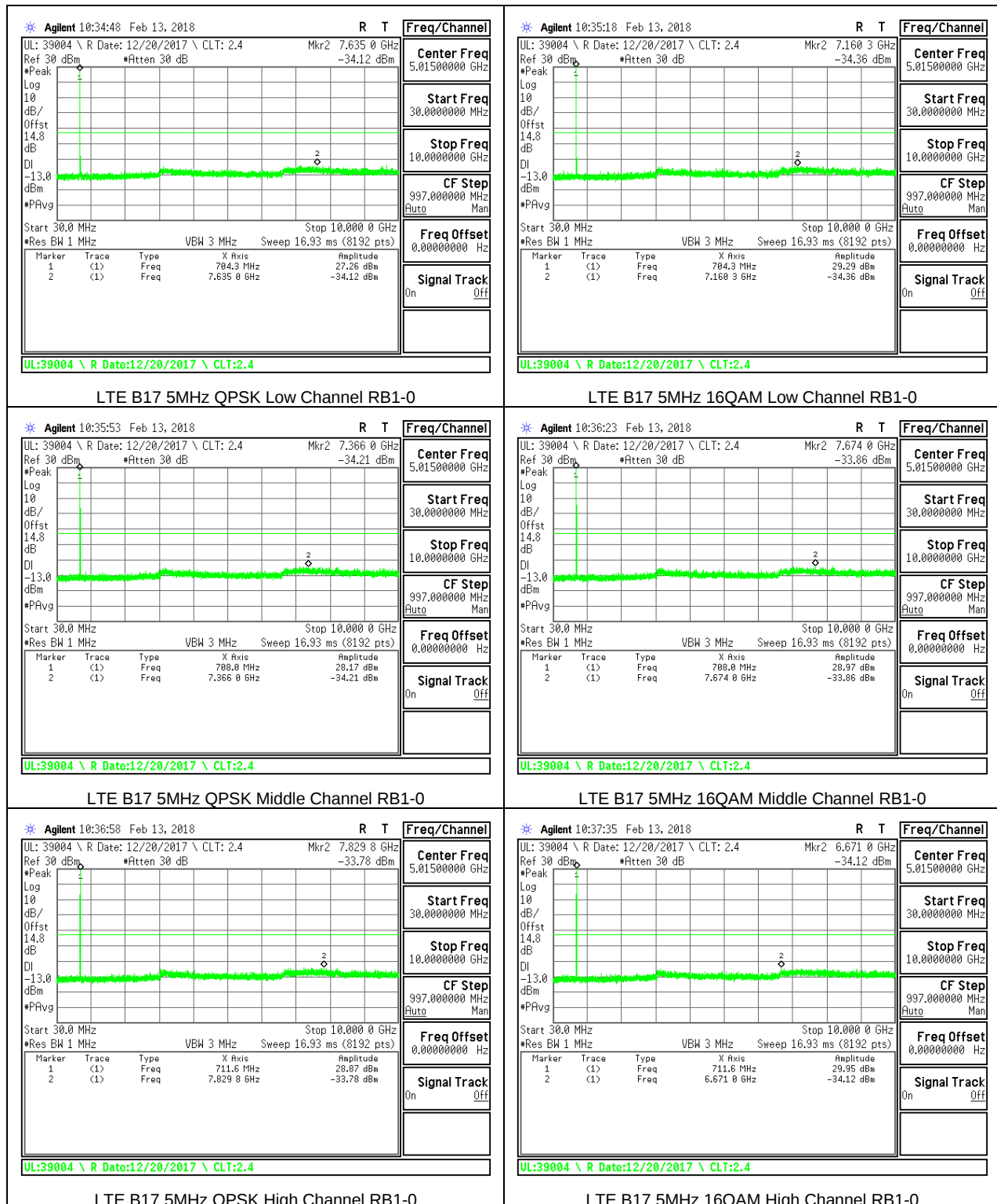


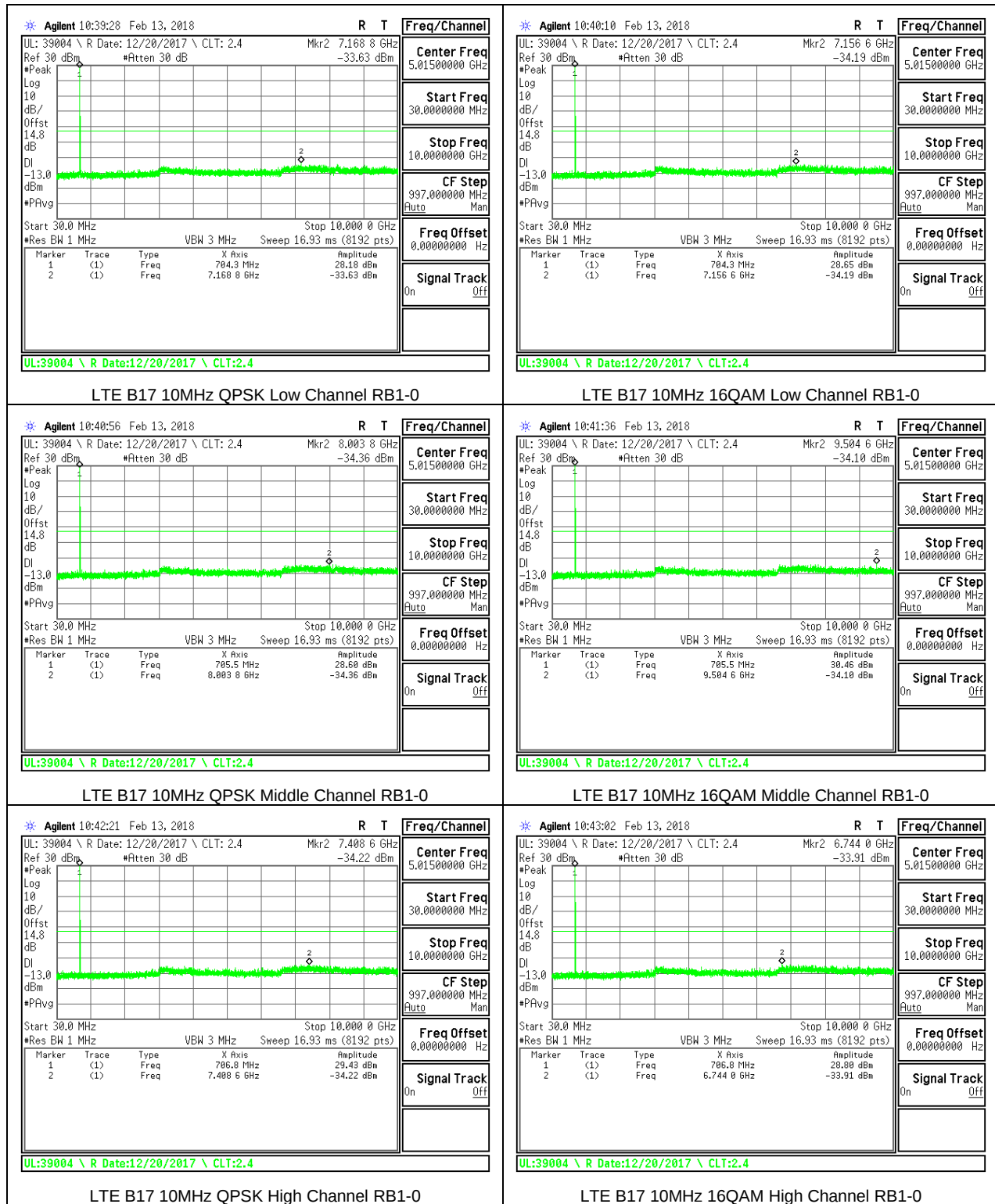
8.3.6. ANT1, LTE BAND 14



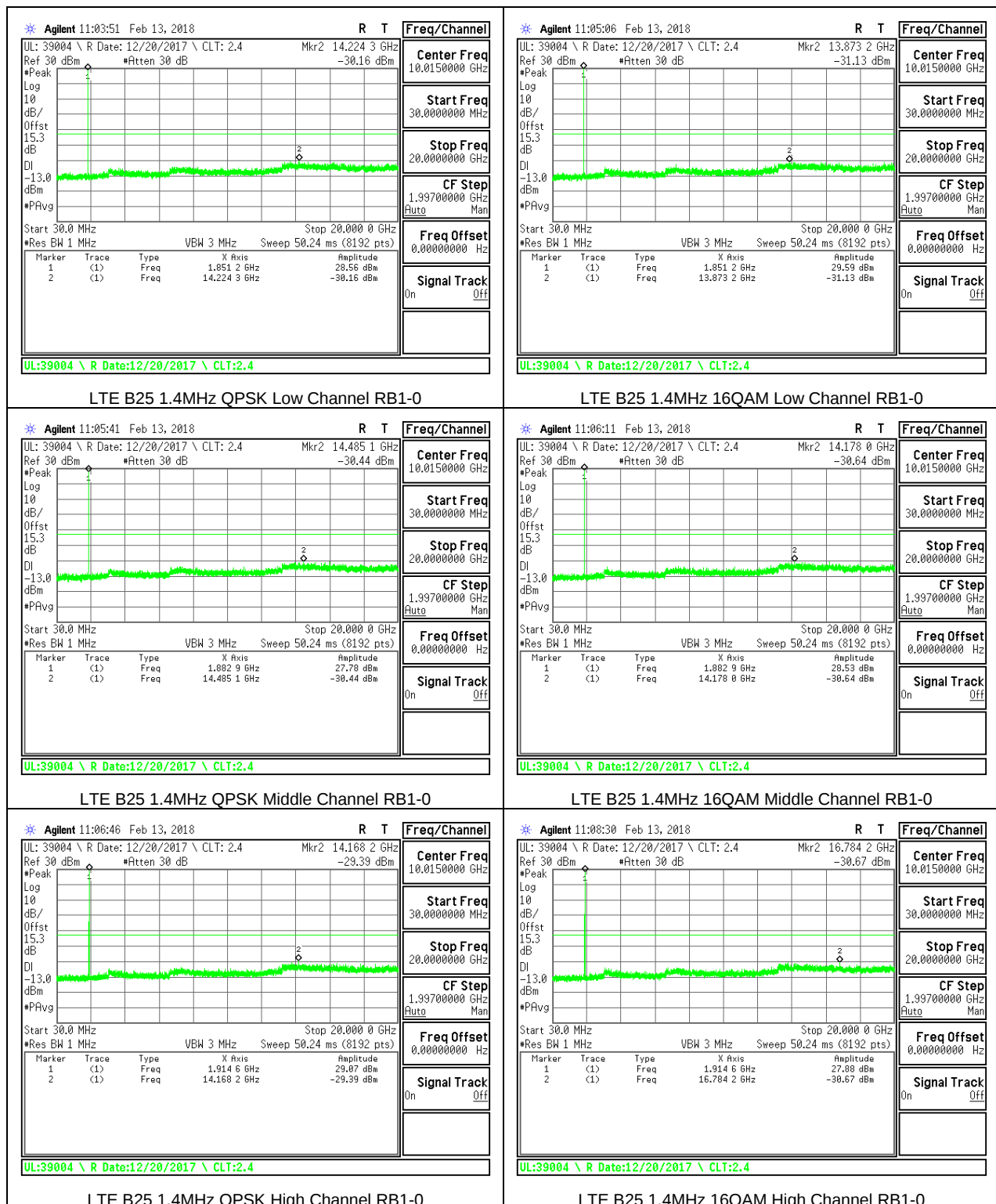


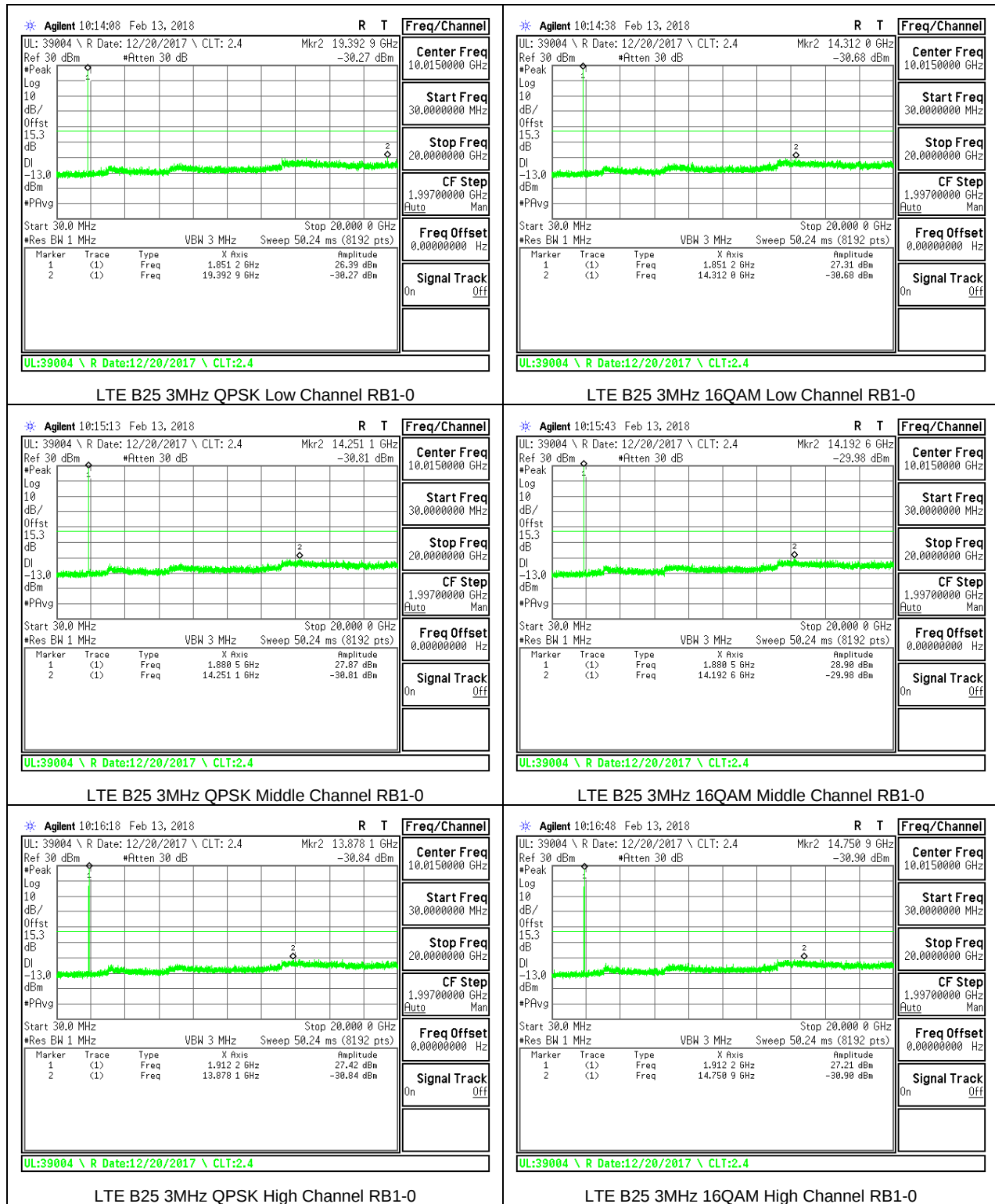
8.3.7. ANT1, LTE BAND 17

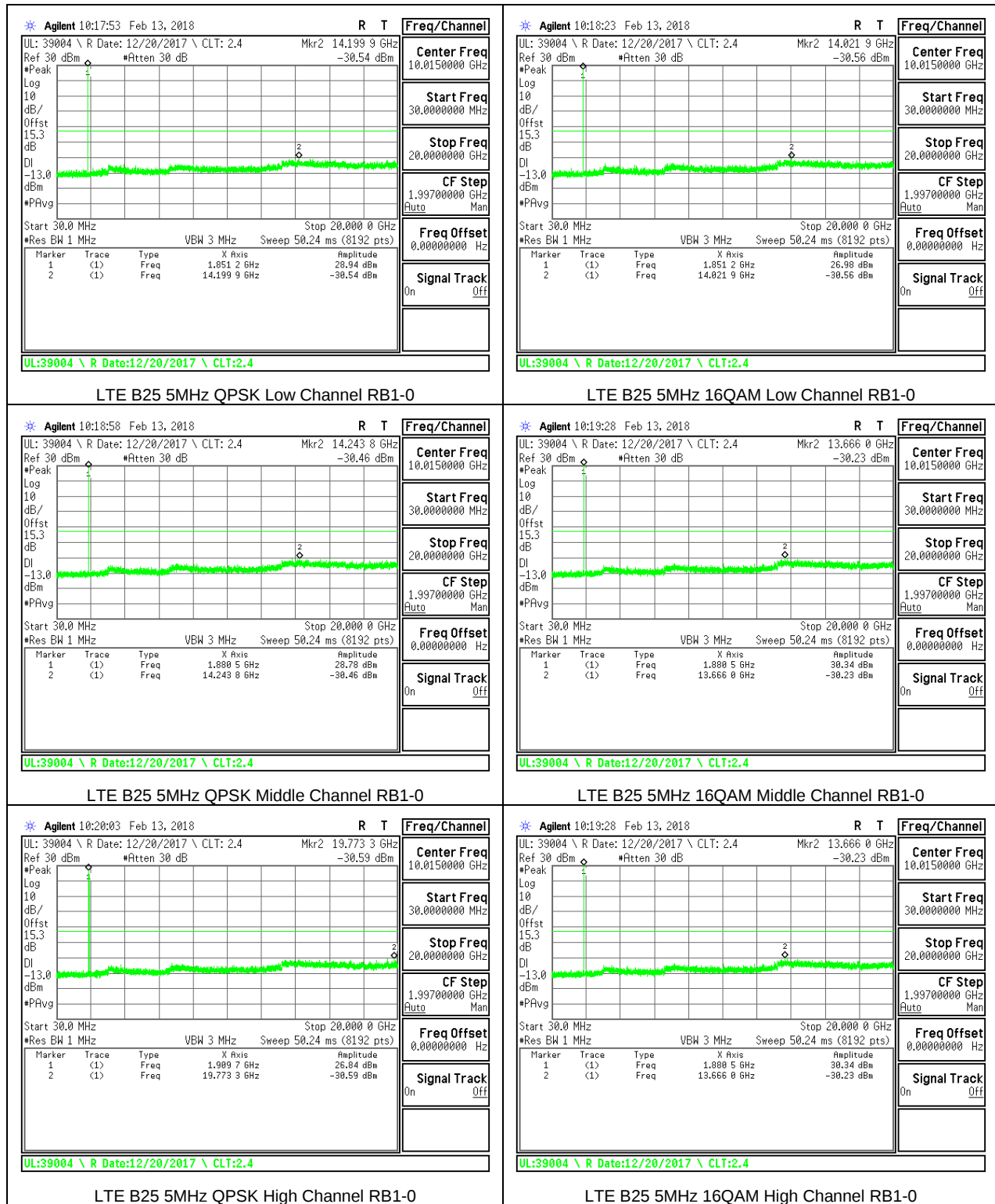


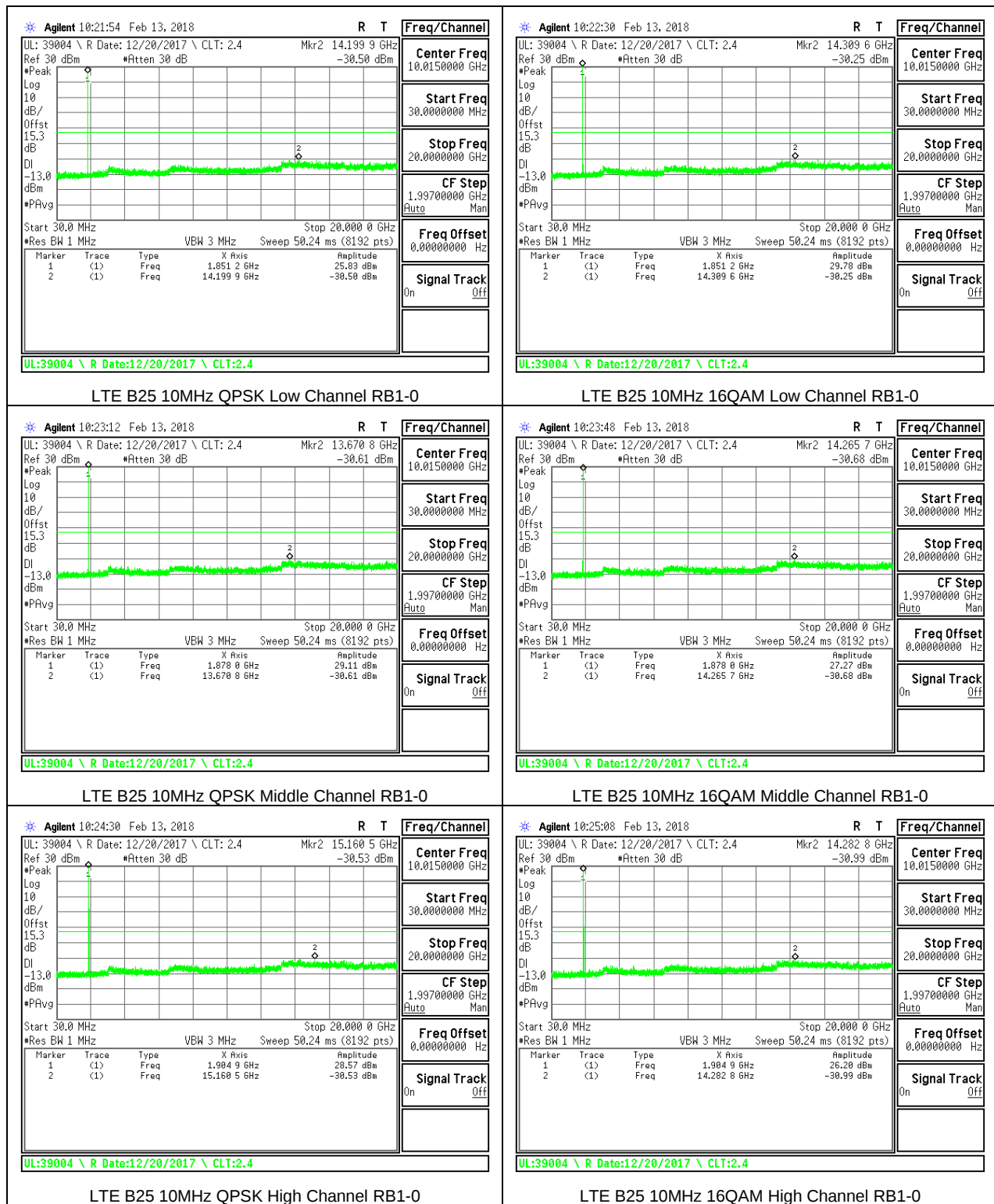


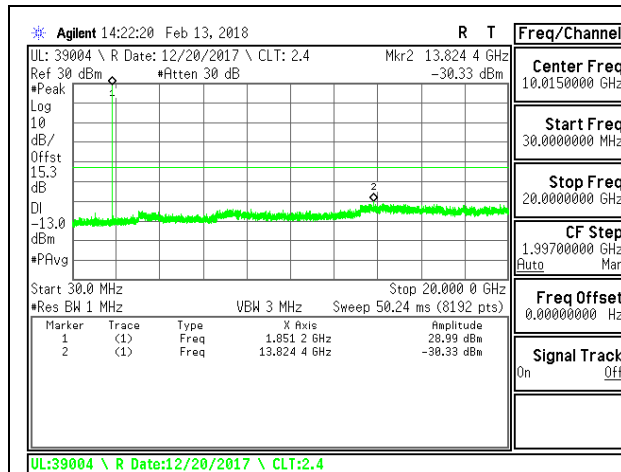
8.3.8. ANT1, LTE BAND 25



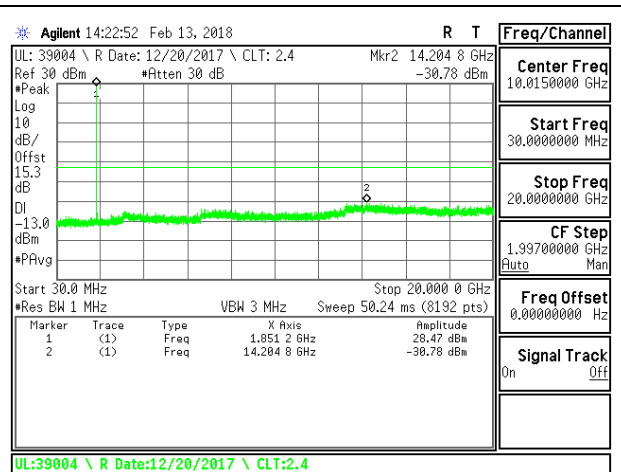




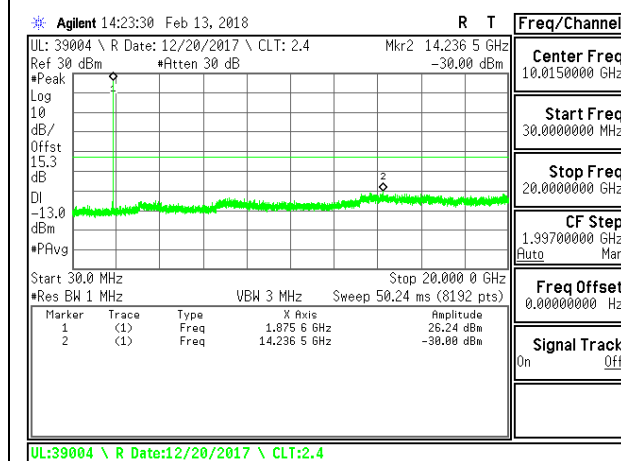




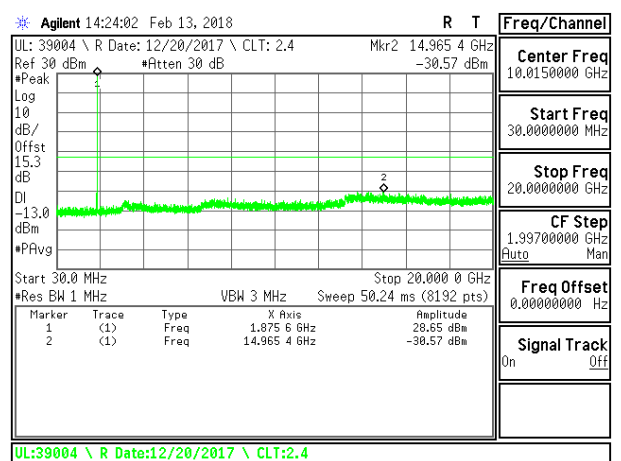
LTE B25 15MHz QPSK Low Channel RB1-0



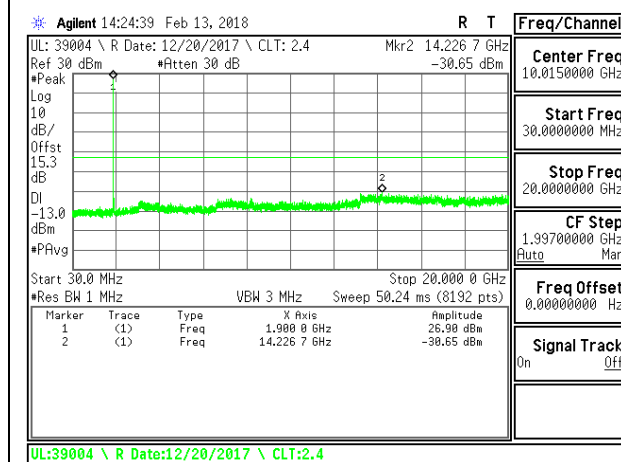
LTE B25 15MHz 16QAM Low Channel RB1-0



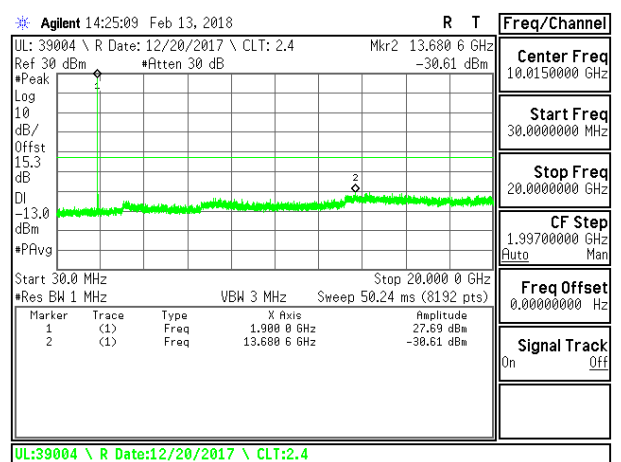
LTE B25 15MHz QPSK Middle Channel RB1-0



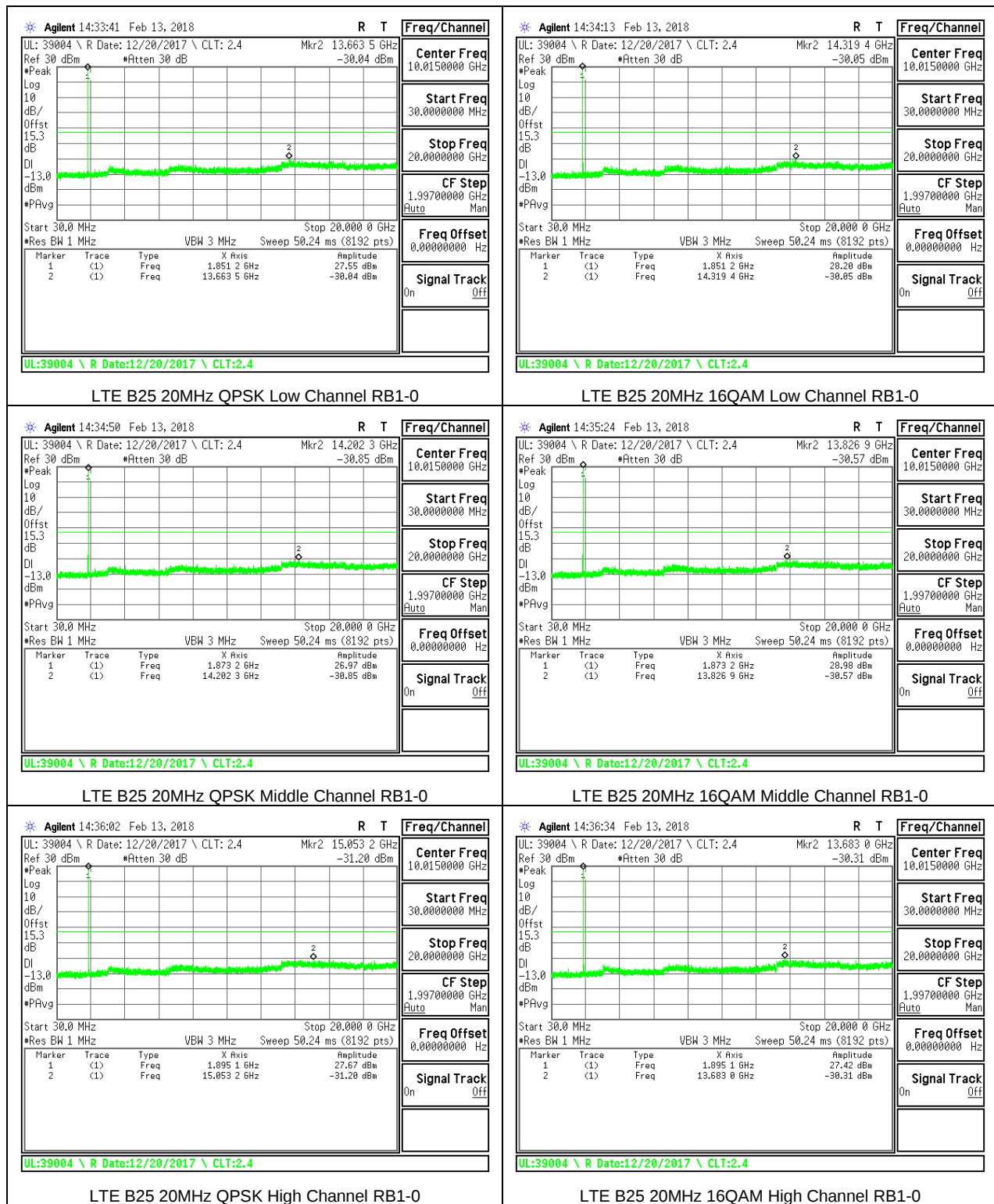
LTE B25 15MHz 16QAM Middle Channel RB1-0



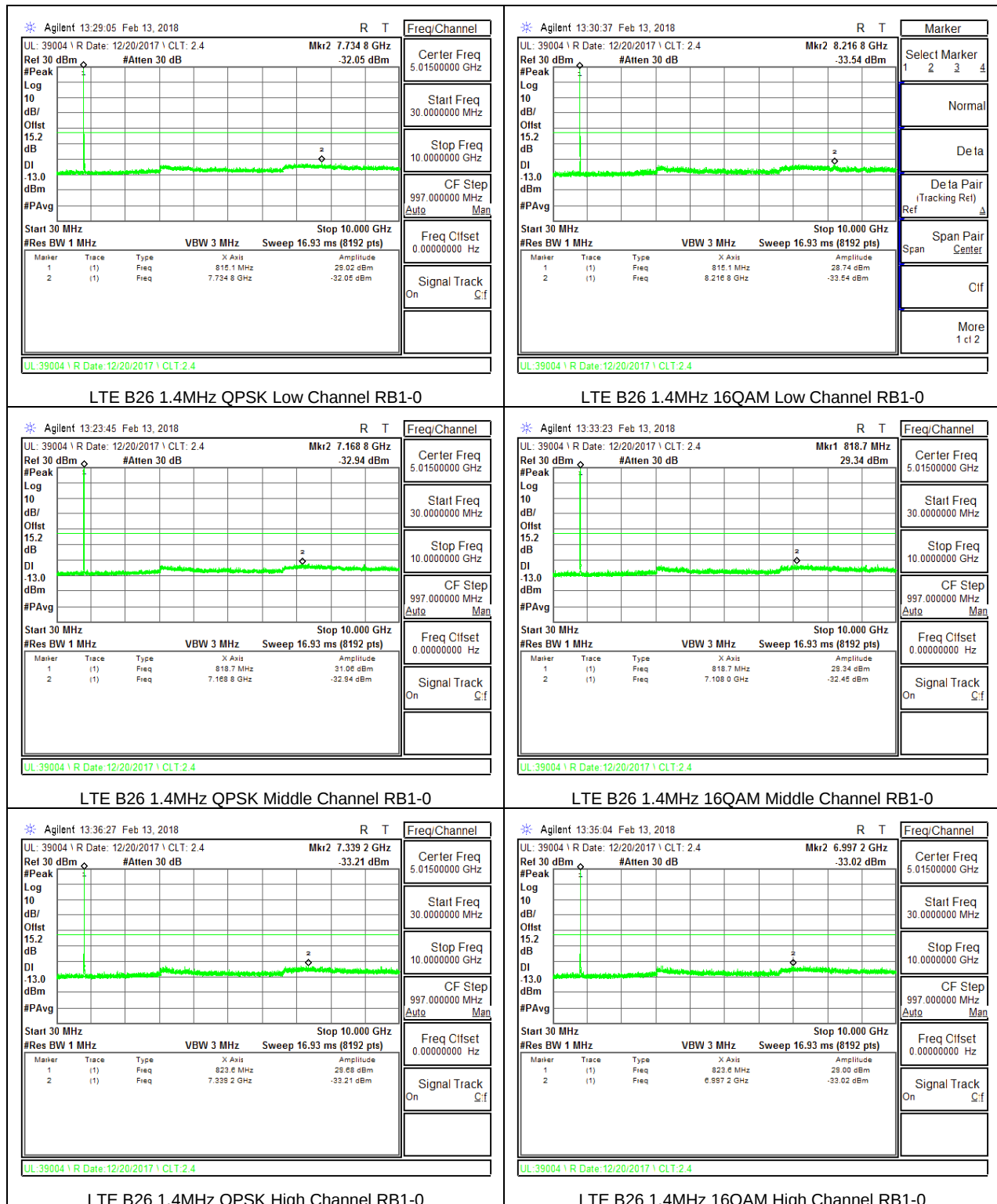
LTE B25 15MHz QPSK High Channel RB1-0

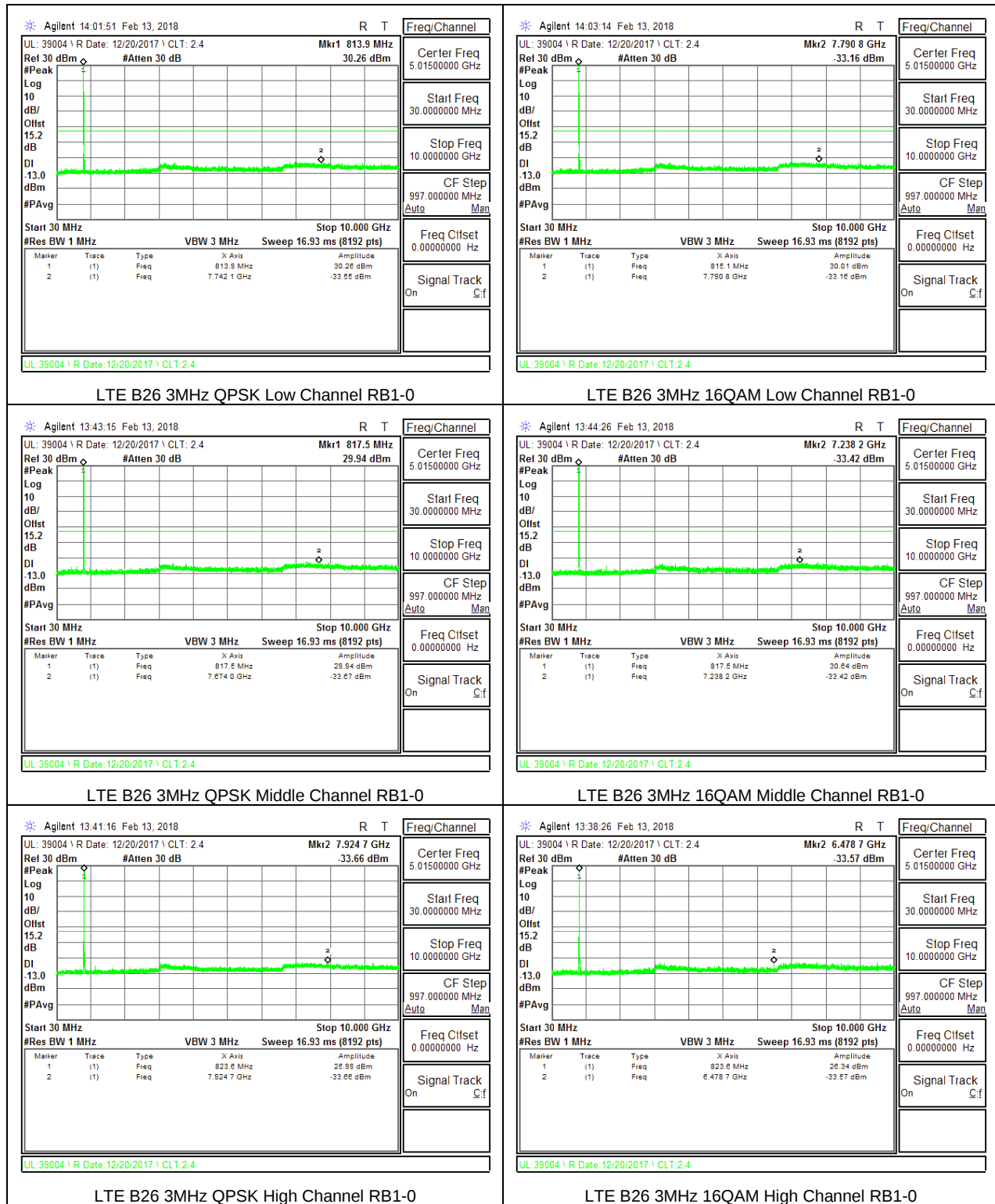


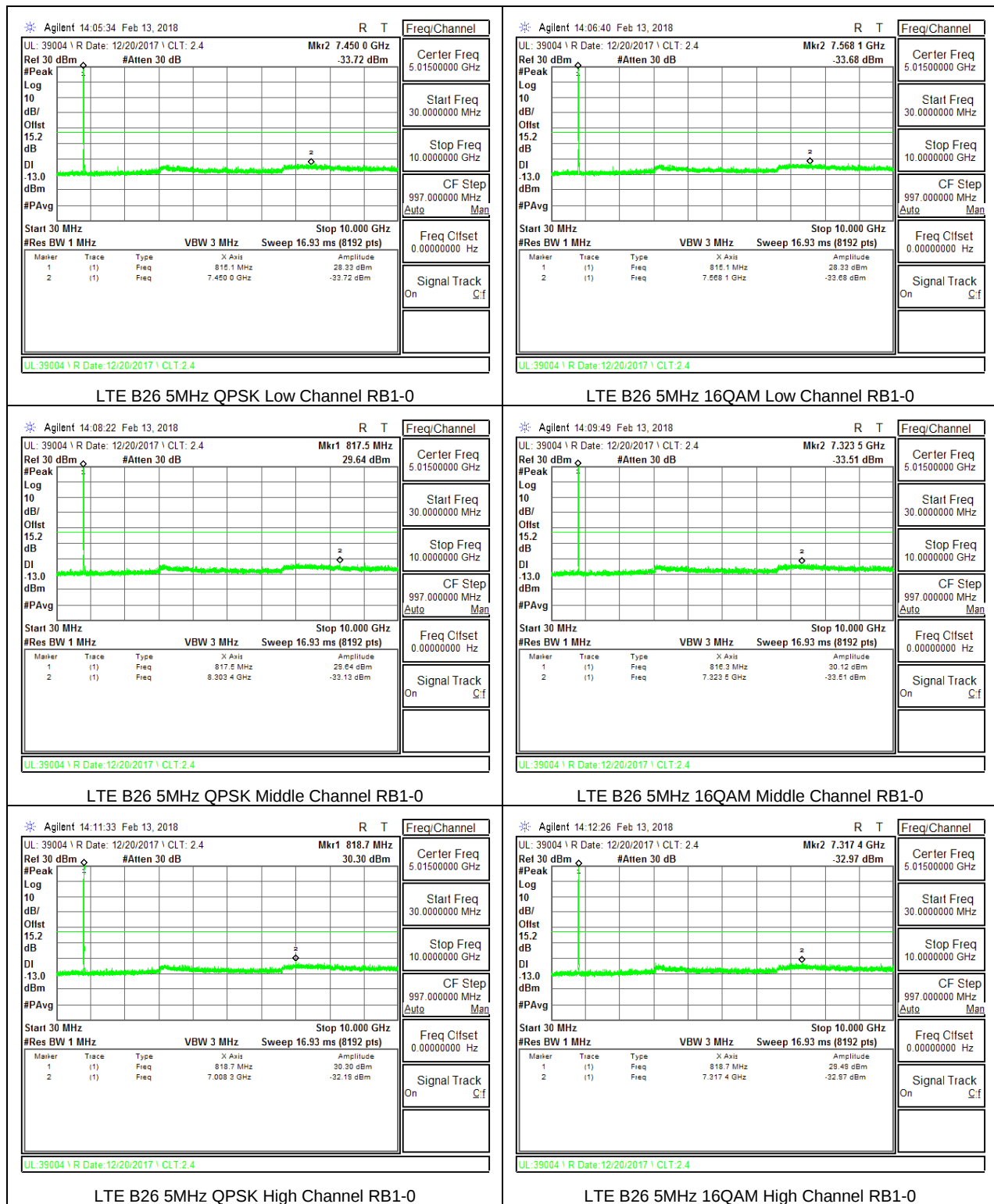
LTE B25 15MHz 16QAM High Channel RB1-0

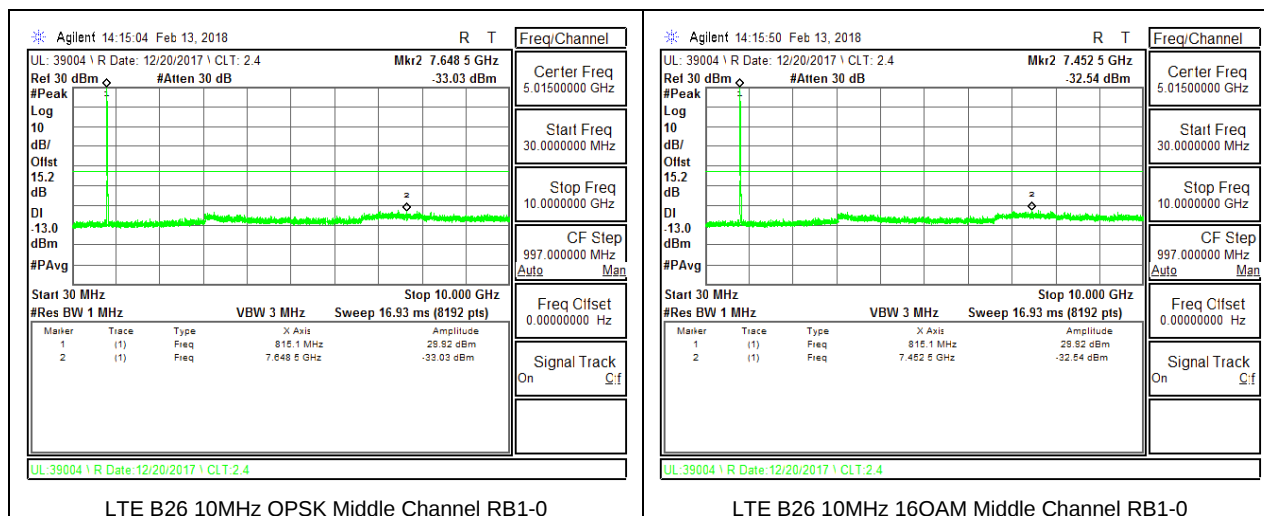


8.3.9. ANT1, LTE BAND 26 (FCC PART 90S)

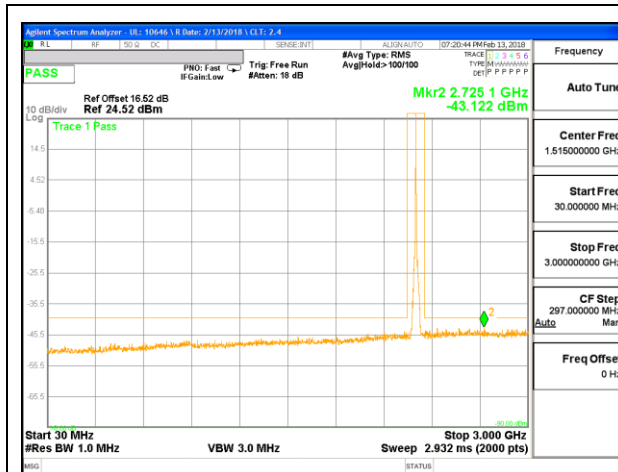




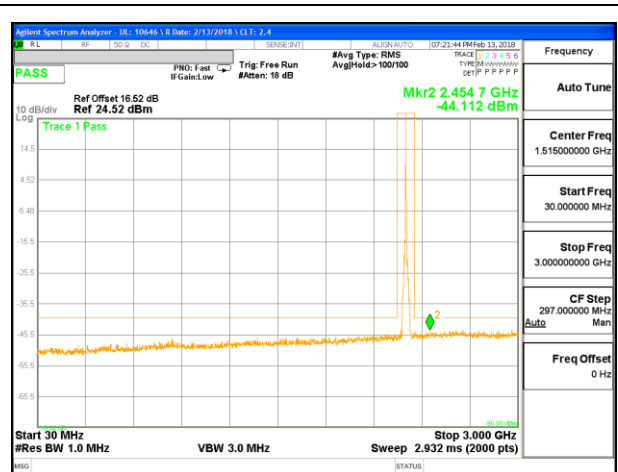




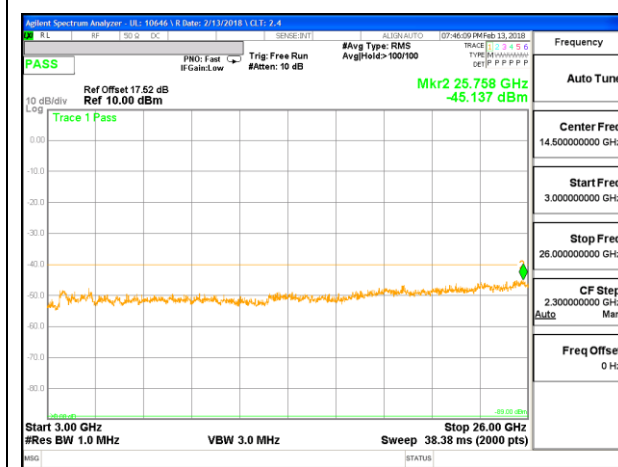
8.3.10. ANT1, LTE BAND 30



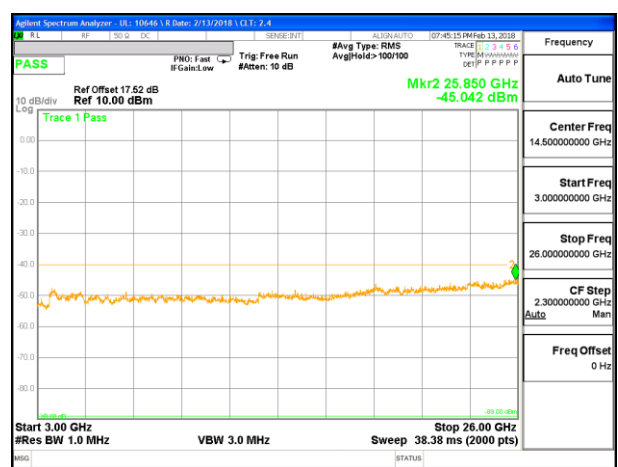
LTE B30 5MHz QPSK Low Channel RB1-0



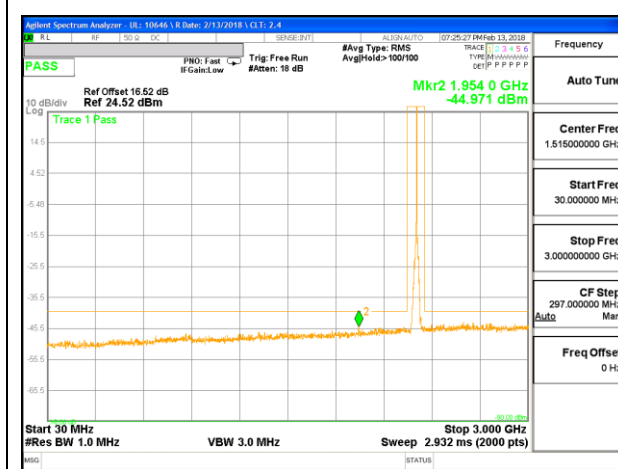
LTE B30 5MHz 16QAM Low Channel RB1-0



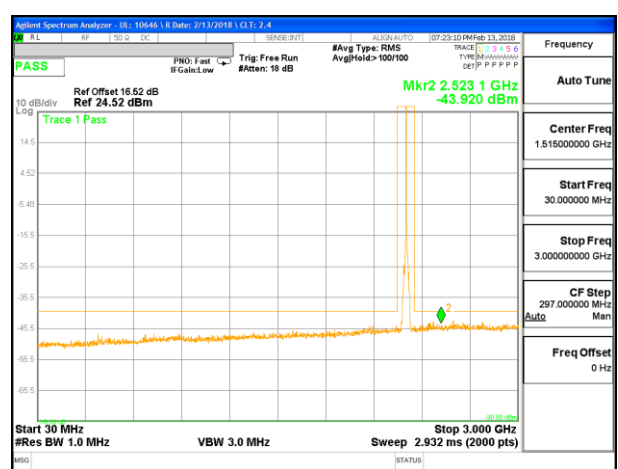
LTE B30 5MHz QPSK Low Channel RB1-0



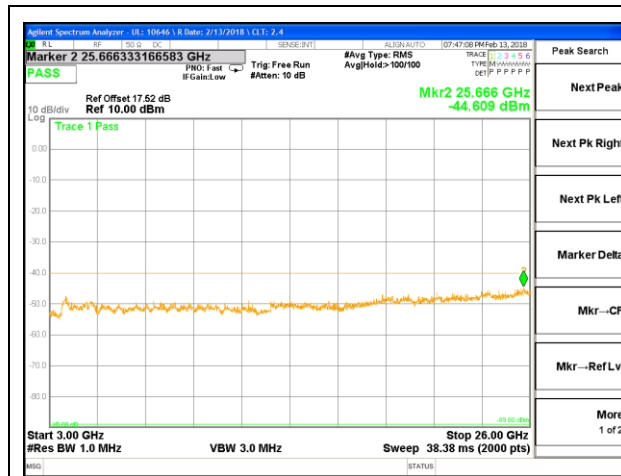
LTE B30 5MHz 16QAM Low Channel RB1-0



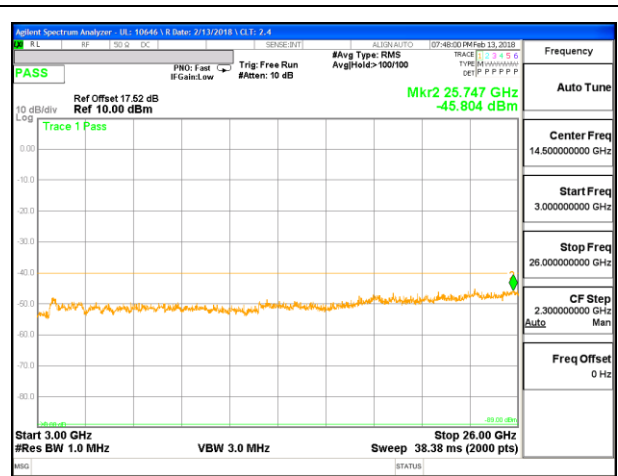
LTE B30 5MHz QPSK Middle Channel RB1-0



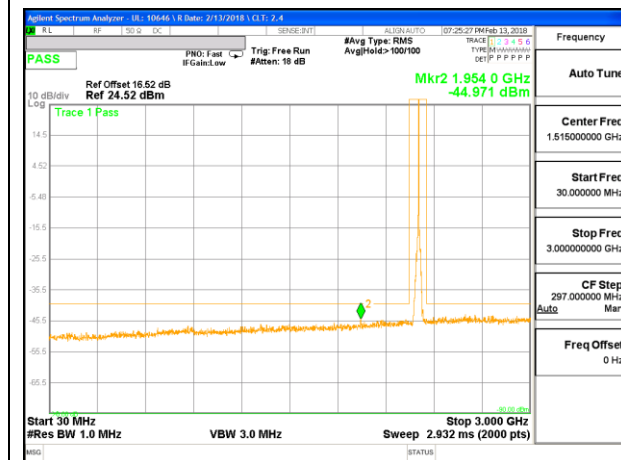
LTE B30 5MHz 16QAM Middle Channel RB1-0



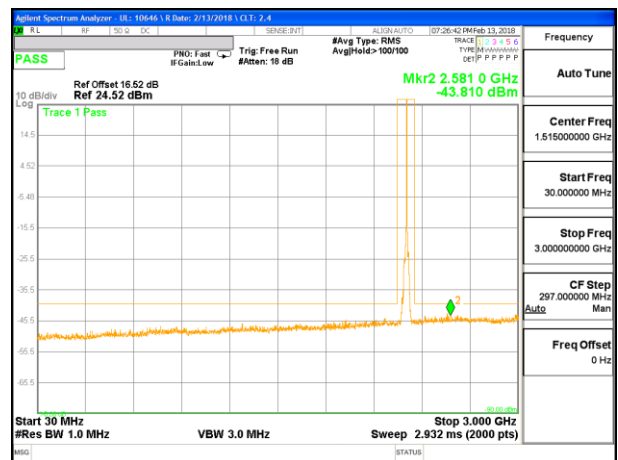
LTE B30 5MHz QPSK Middle Channel RB1-0



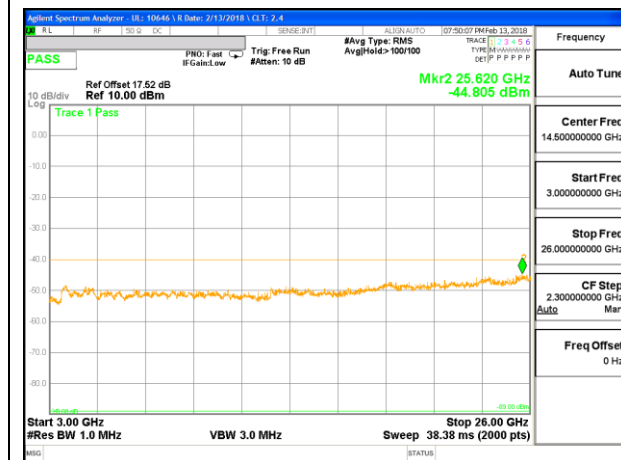
LTE B30 5MHz 16QAM Middle Channel RB1-0



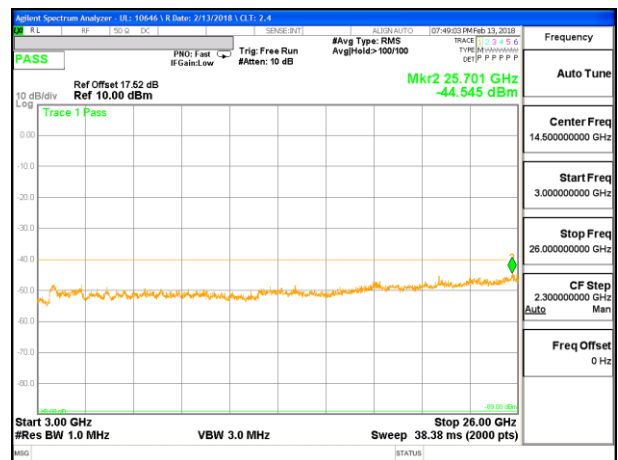
LTE B30 5MHz QPSK High Channel RB1-0



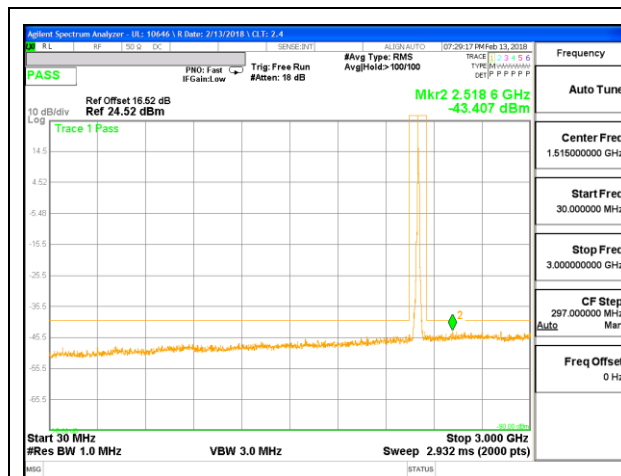
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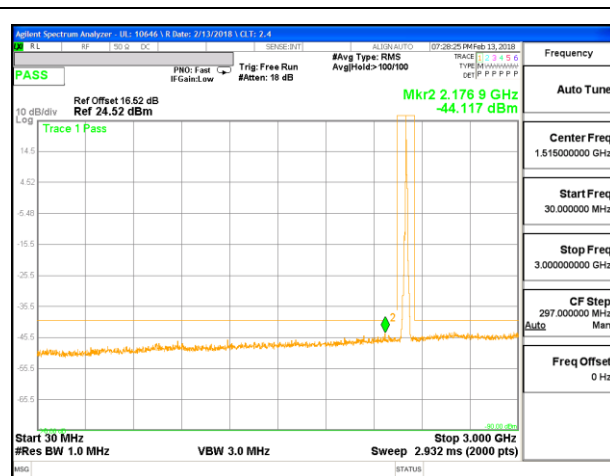
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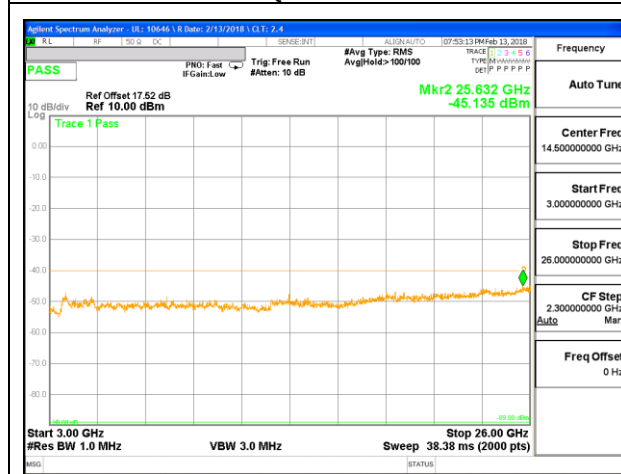
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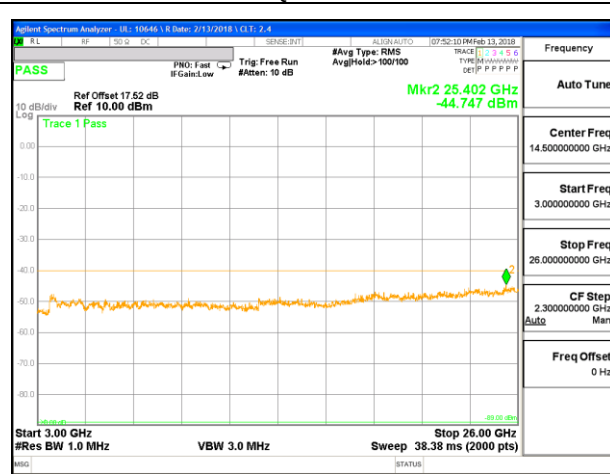
LTE B30 10MHz QPSK Middle Channel RB1-0



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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