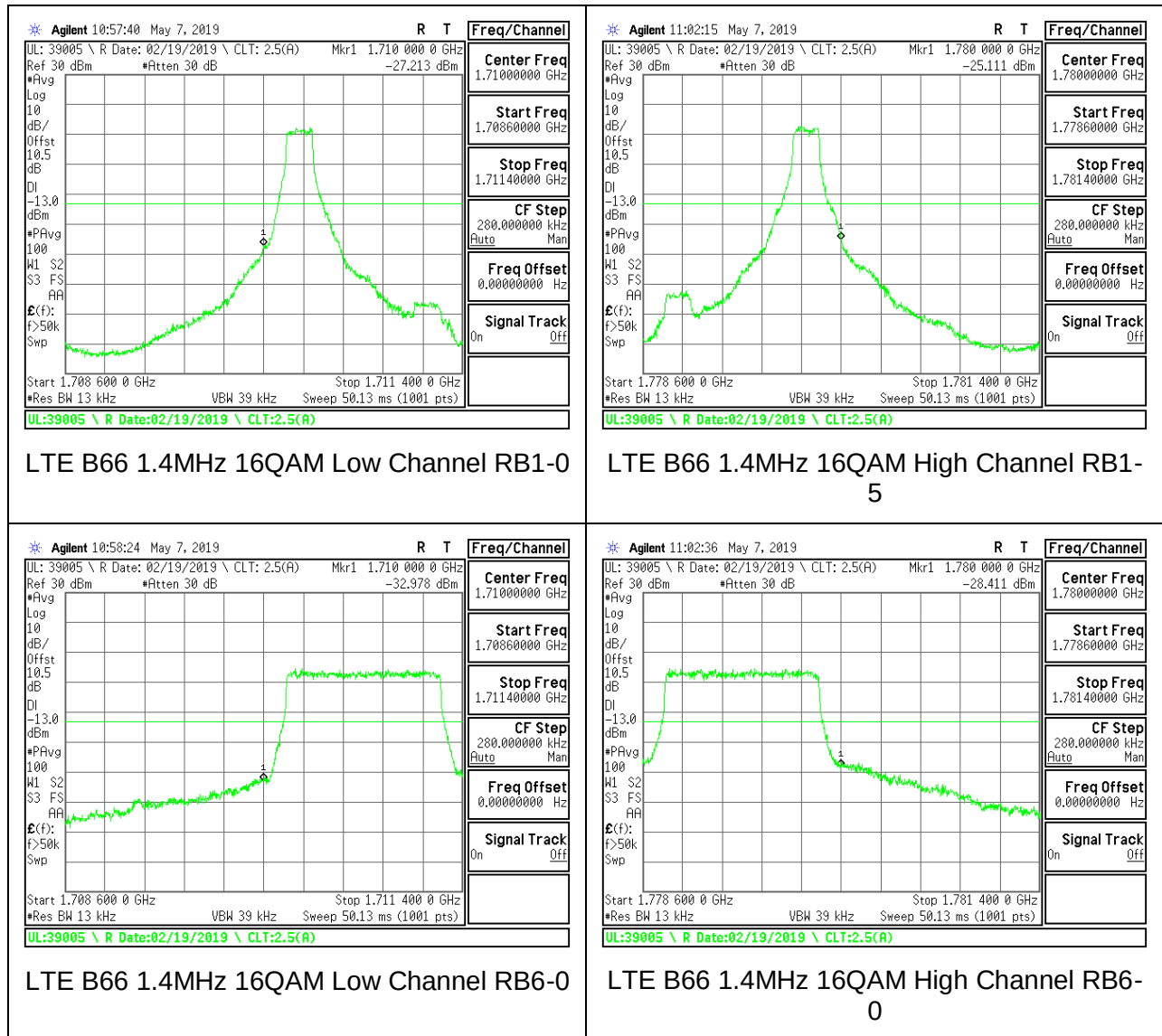
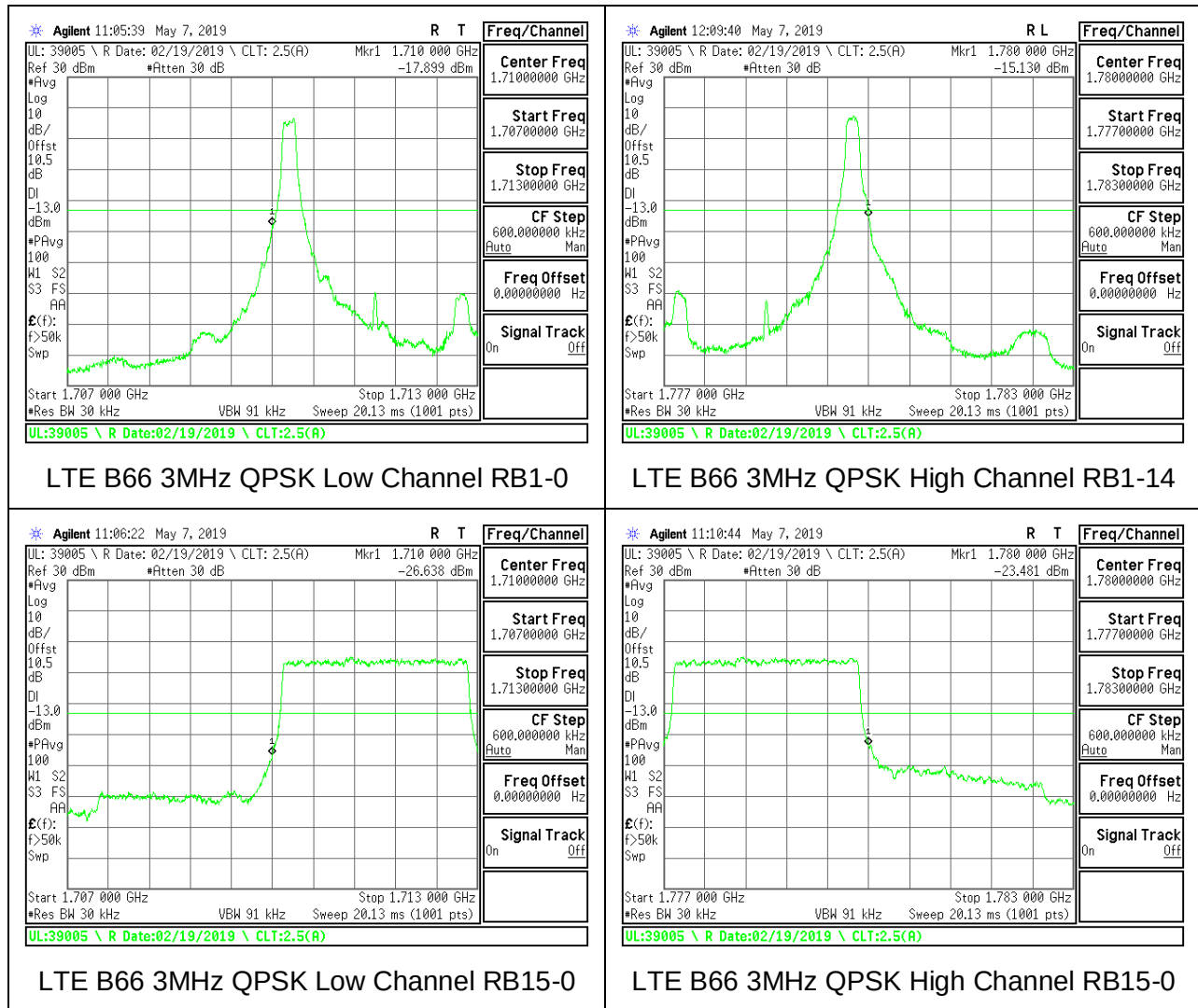
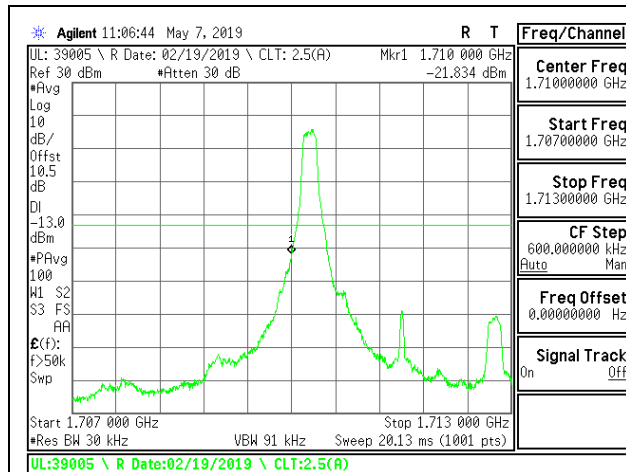
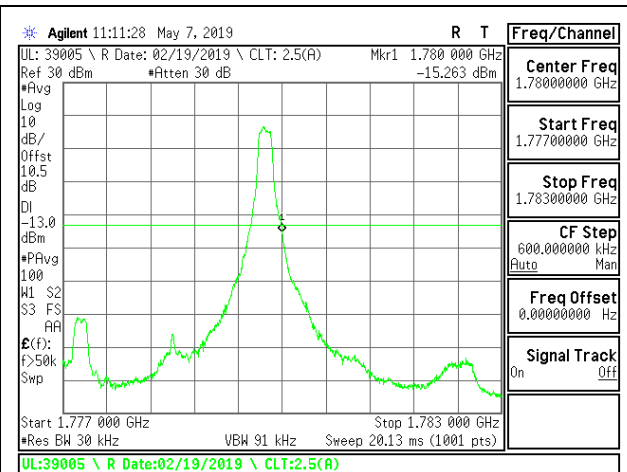




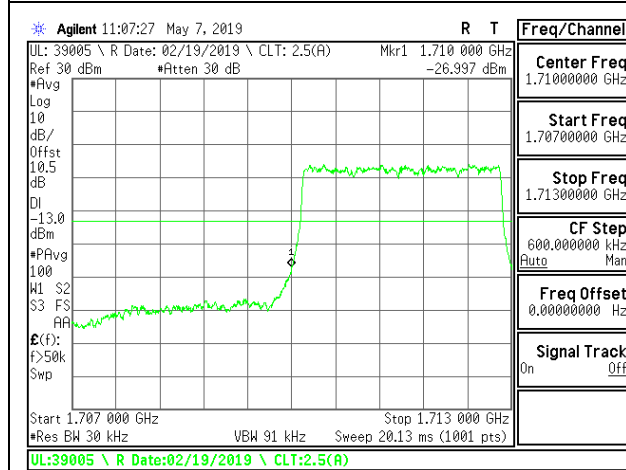




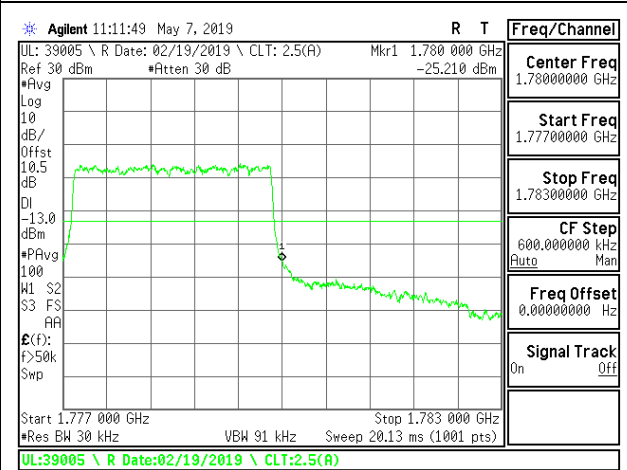
LTE B66 3MHz 16QAM Low Channel RB1-0



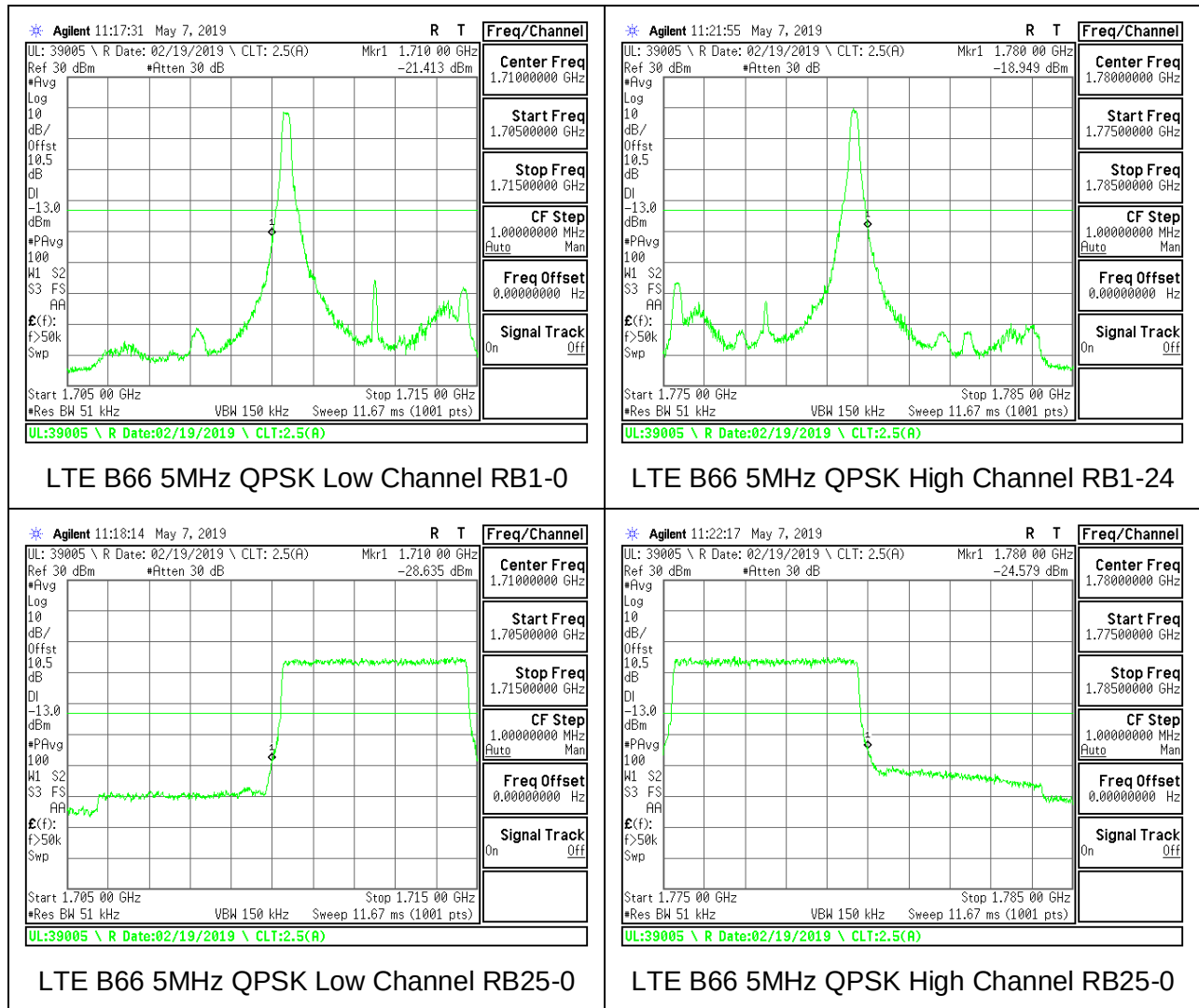
LTE B66 3MHz 16QAM High Channel RB1-14

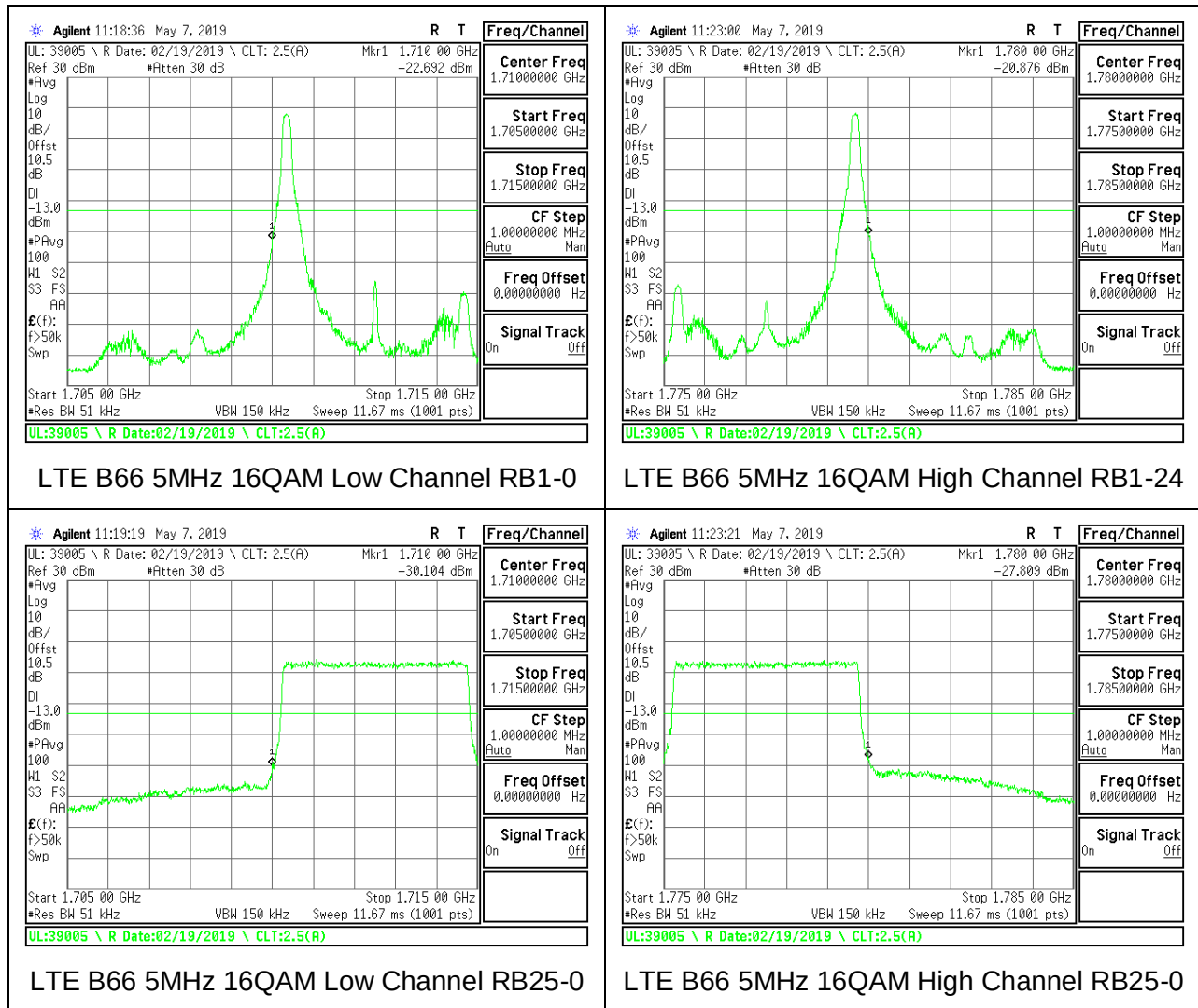


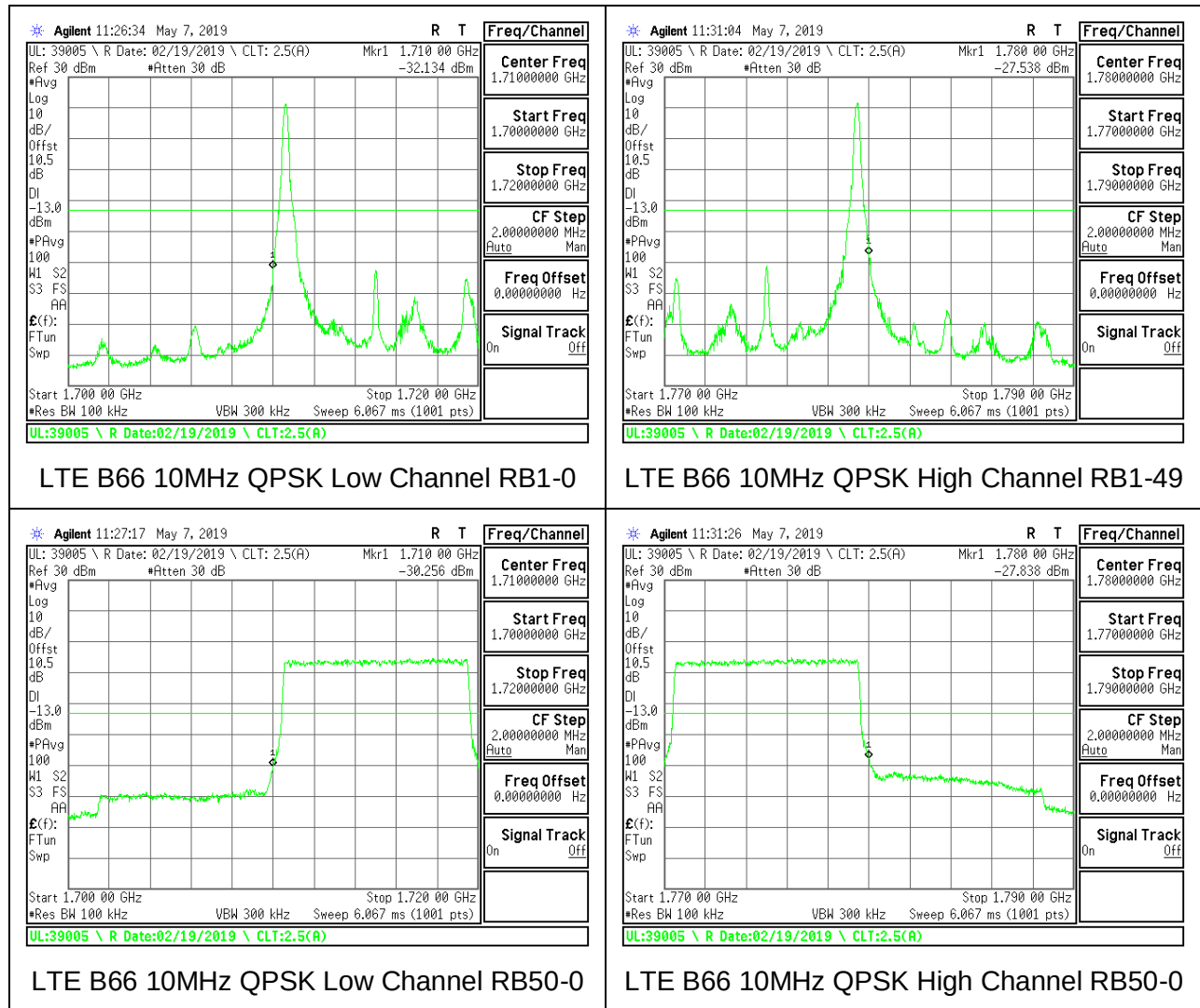
LTE B66 3MHz 16QAM Low Channel RB15-0

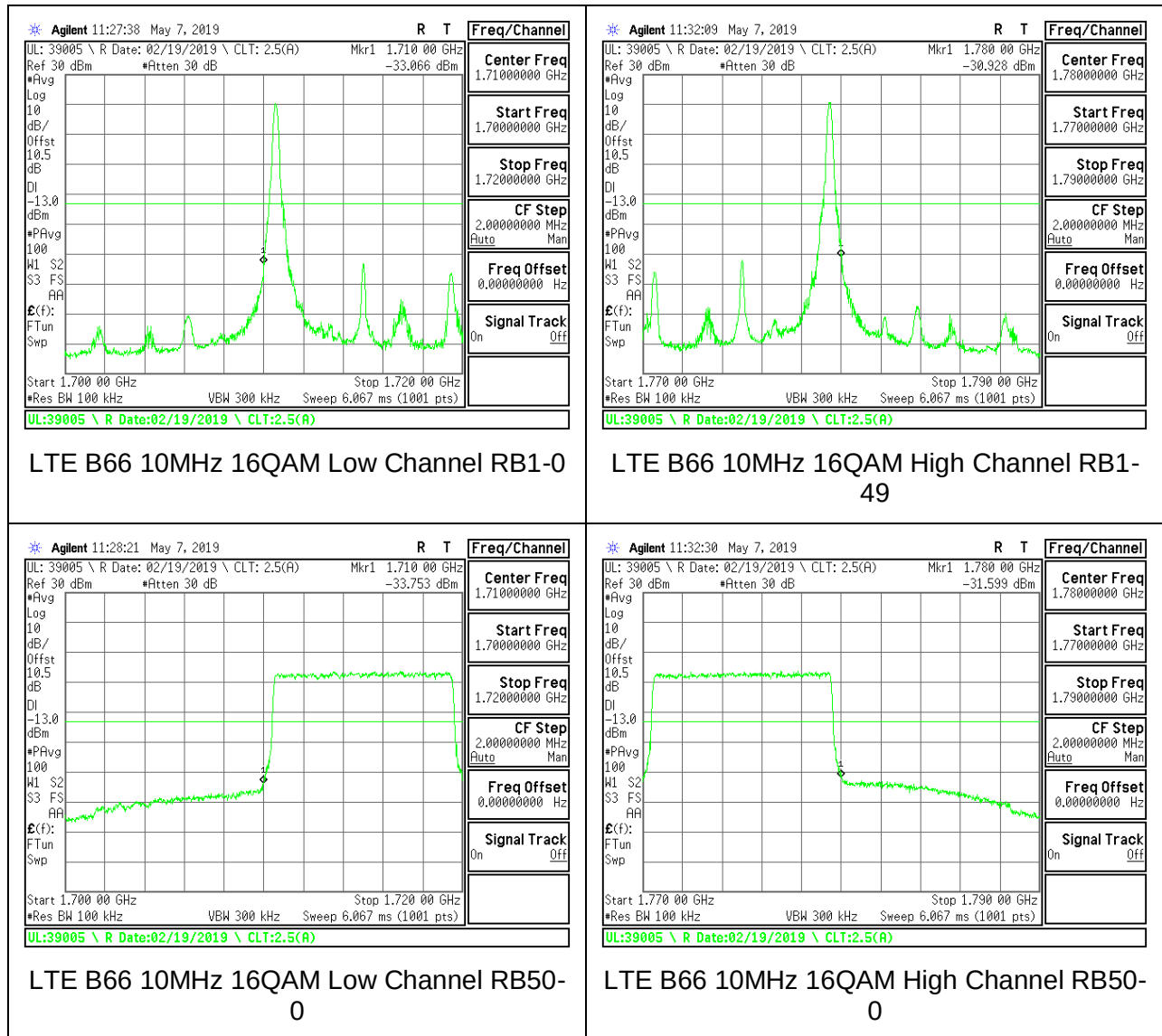


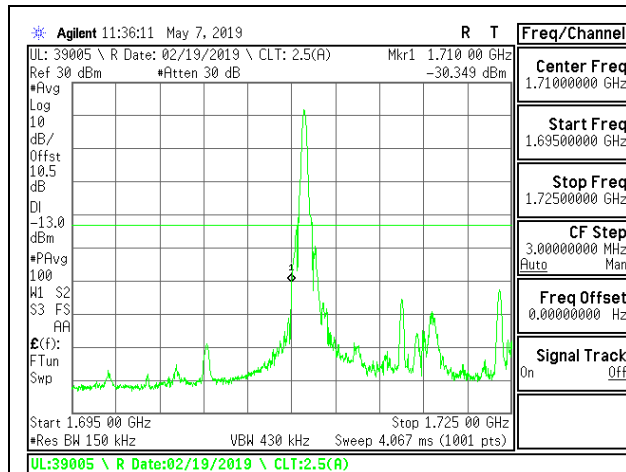
LTE B66 3MHz 16QAM High Channel RB15-0



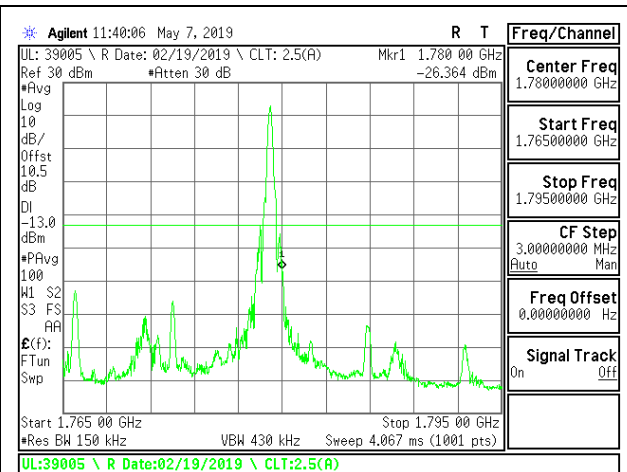




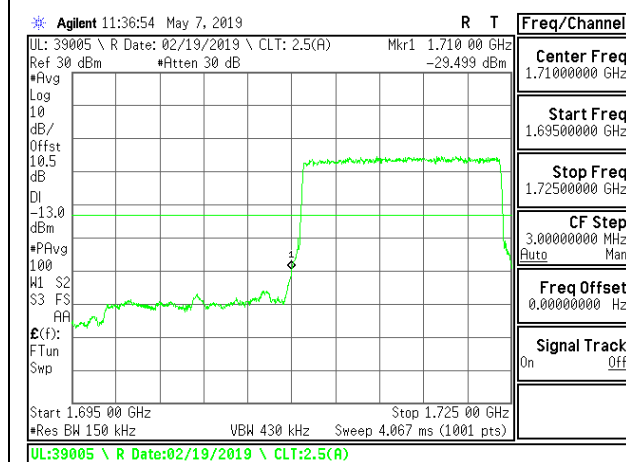




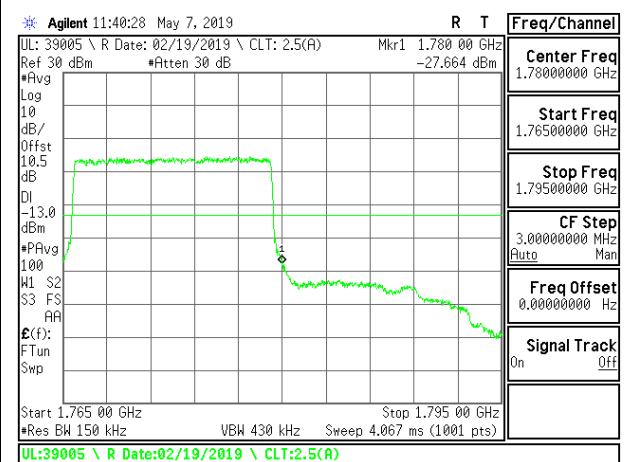
LTE B66 15MHz QPSK Low Channel RB1-0



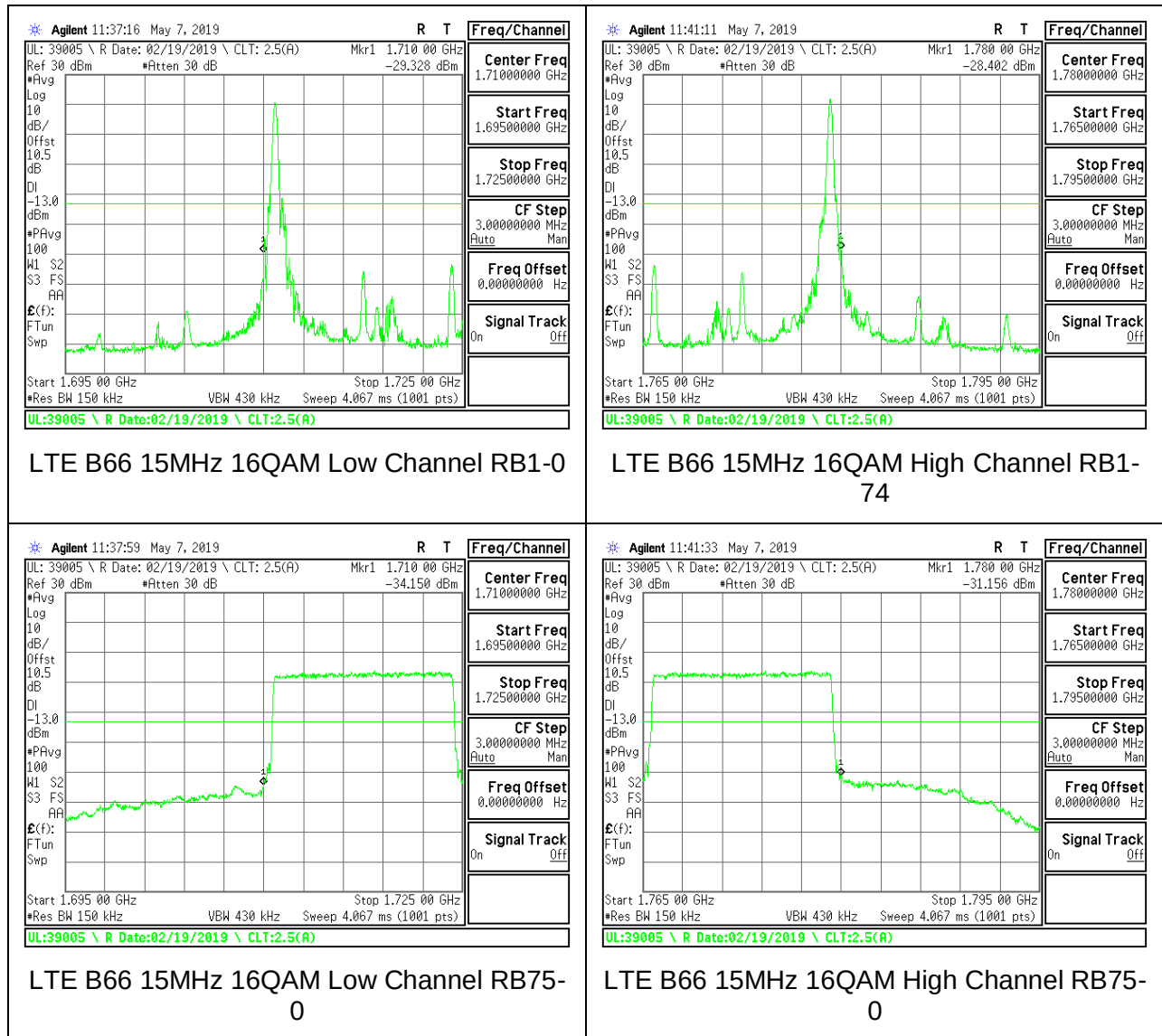
LTE B66 15MHz QPSK High Channel RB1-74

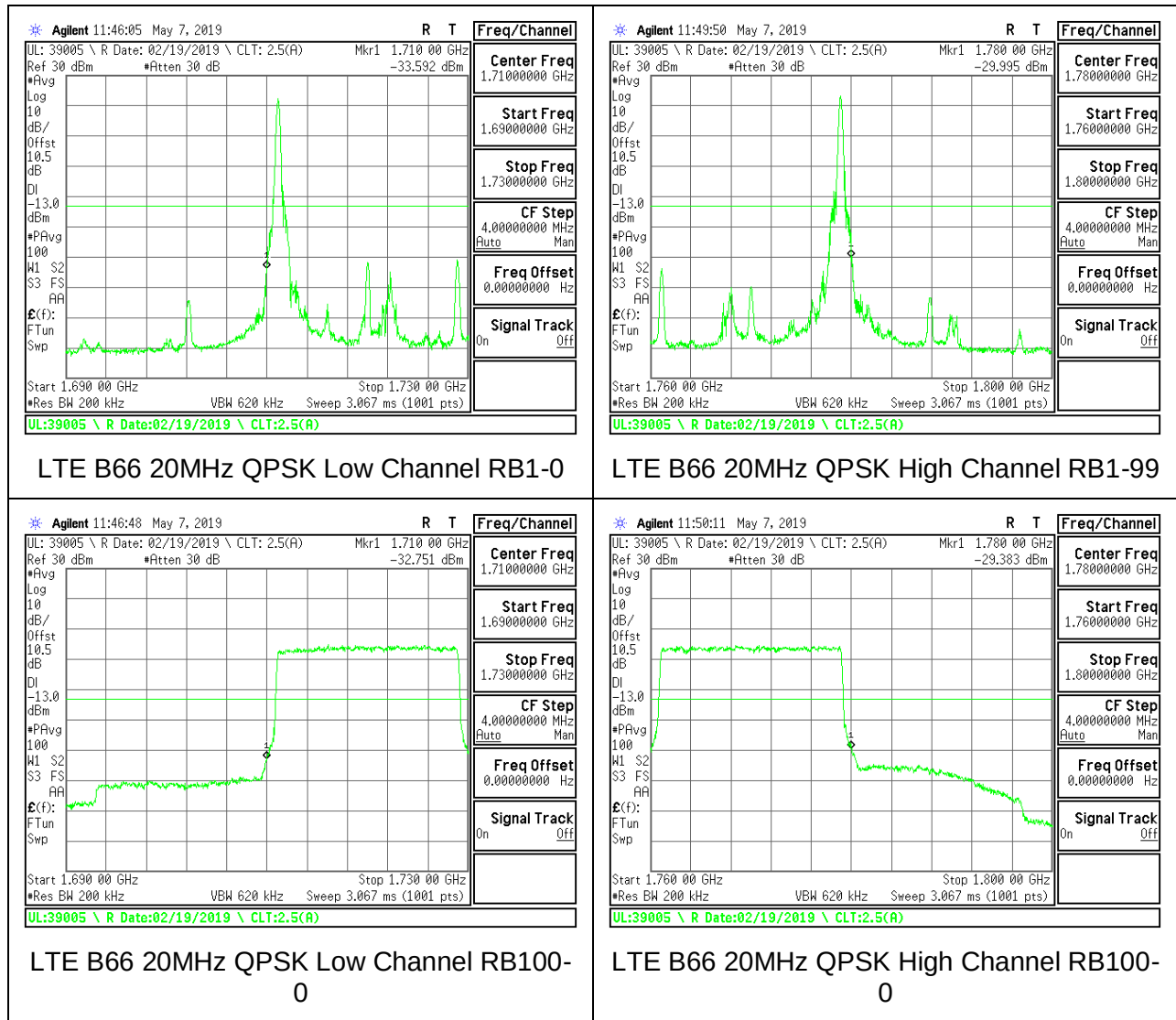


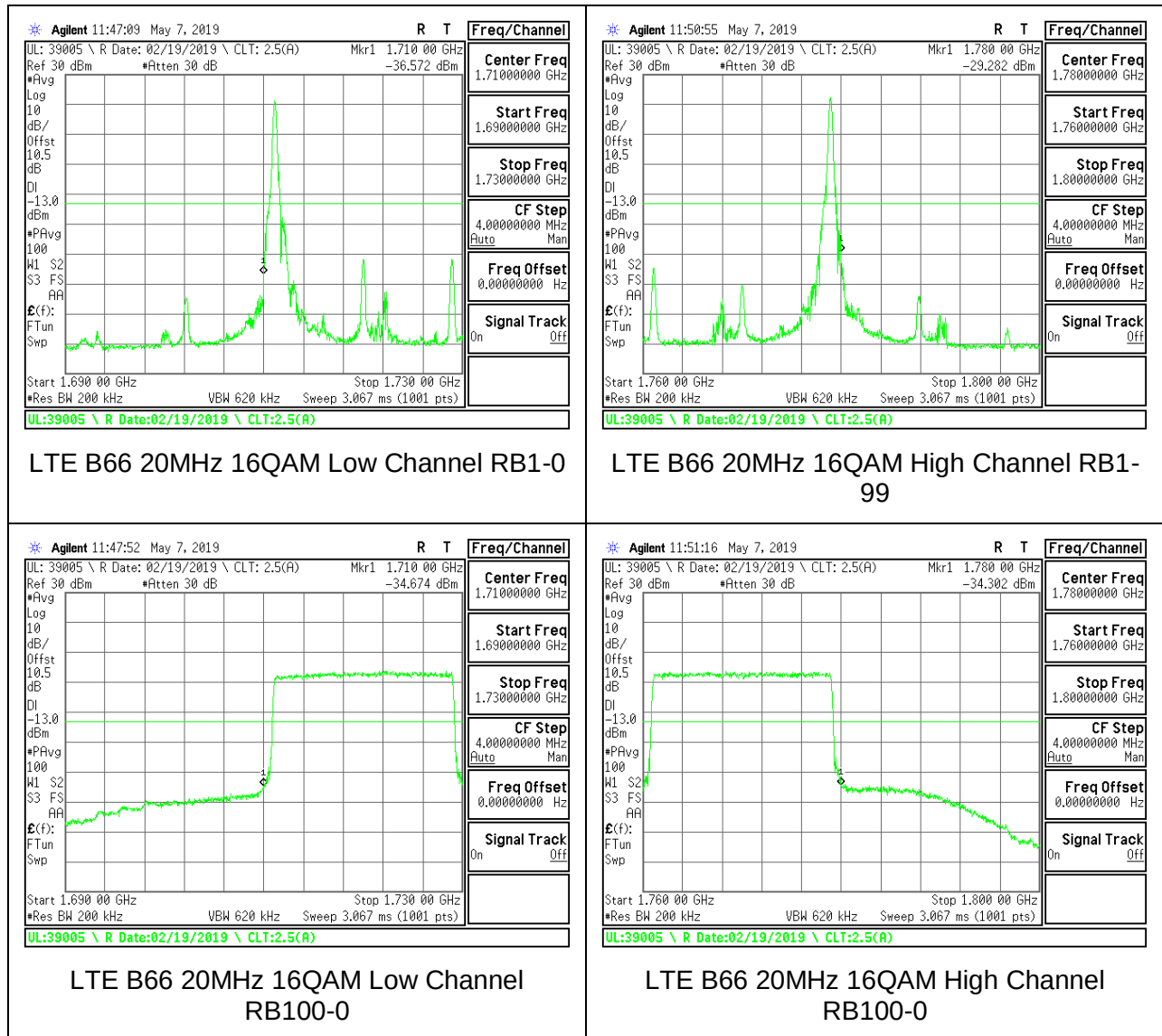
LTE B66 15MHz QPSK Low Channel RB75-0



LTE B66 15MHz QPSK High Channel RB75-0







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 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:

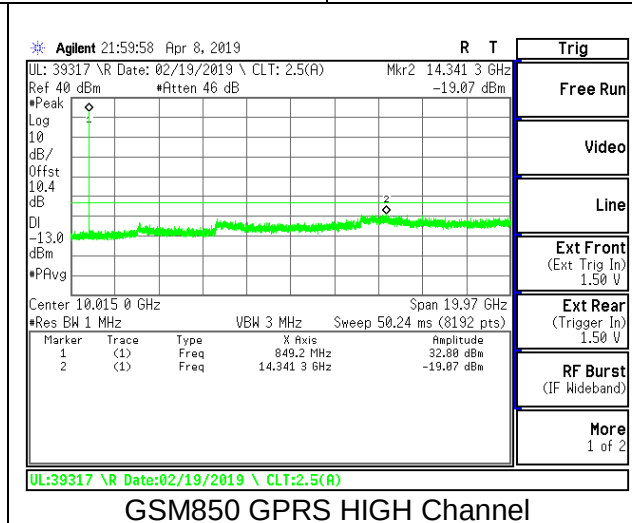
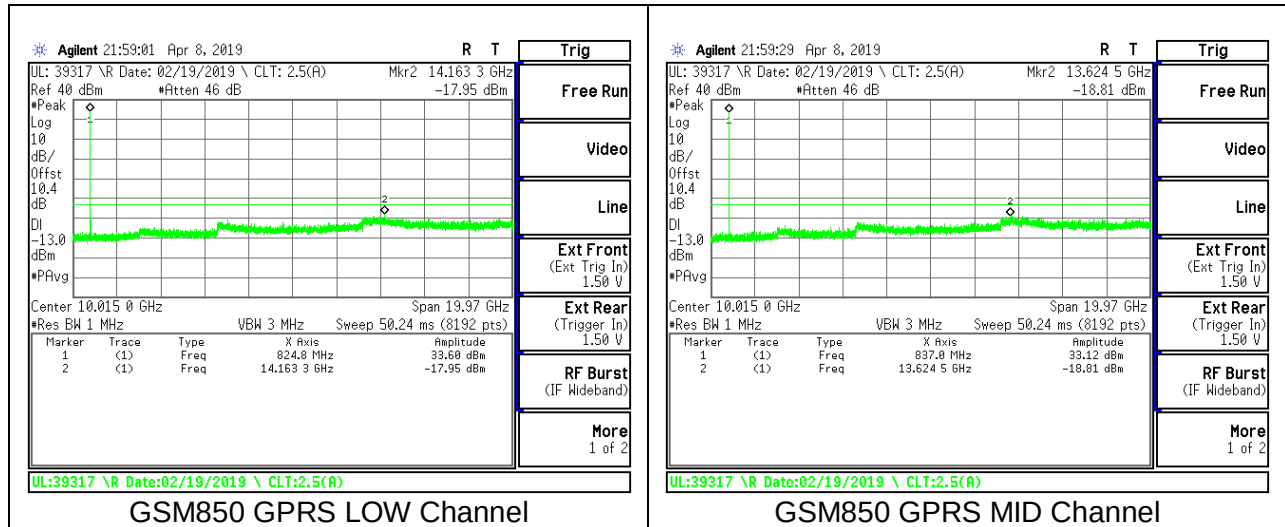
- Set display line at -13 dBm, -25dBm and -40dBm according to the band Limit
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz. (NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

MODES TESTED

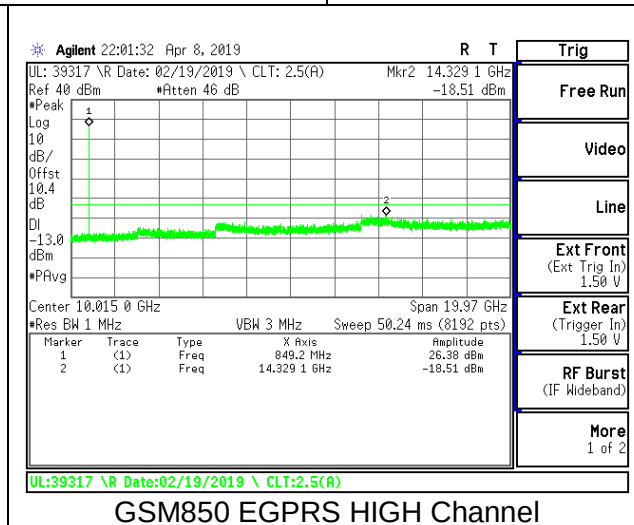
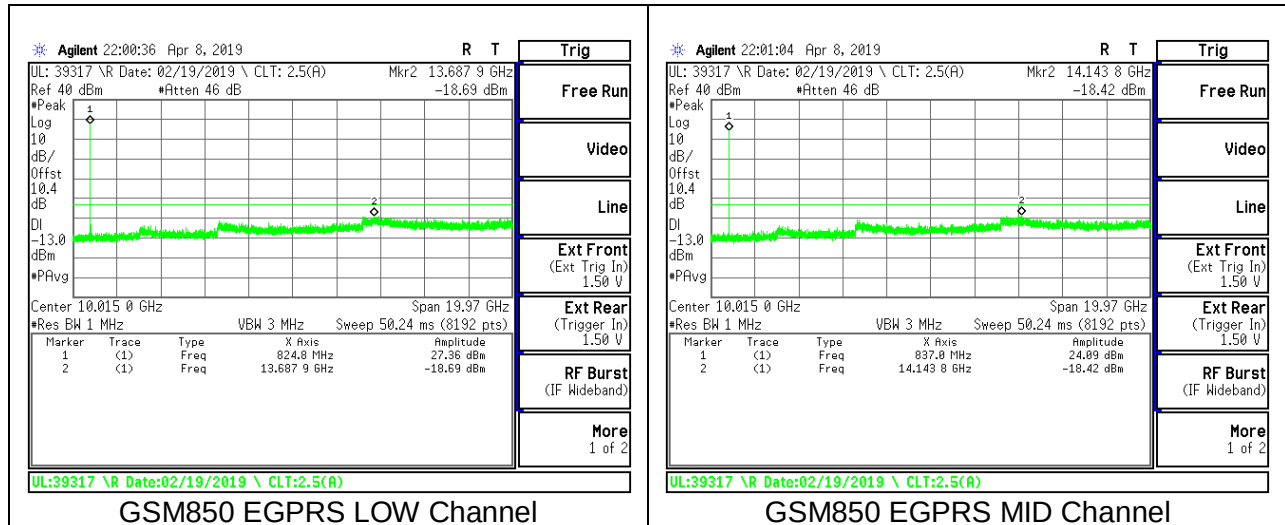
- GSM 850
- GSM 1900
- WCDMA Band 5
- WCDMA Band 2
- WCDMA Band 4
- LTE Band 2
- LTE Band 4
- LTE Band 5
- LTE Band 7
- LTE Band 12
- LTE Band 13
- LTE Band 26 (FCC PART 90S)
- LTE Band 26 (FCC PART 22)
- LTE Band 41 (FCC)
- LTE Band 66

RESULTS

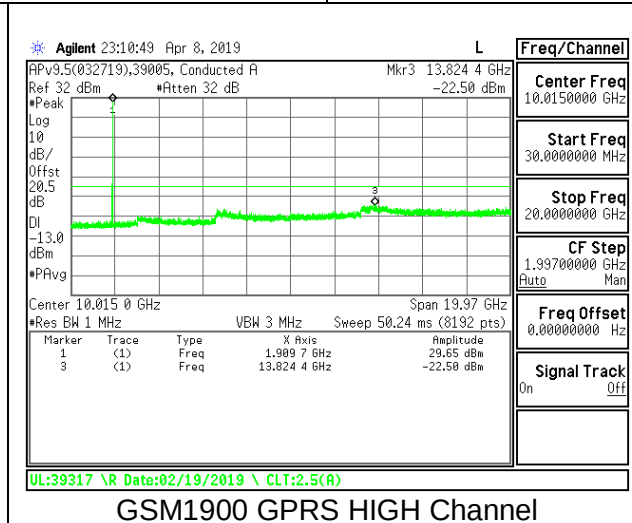
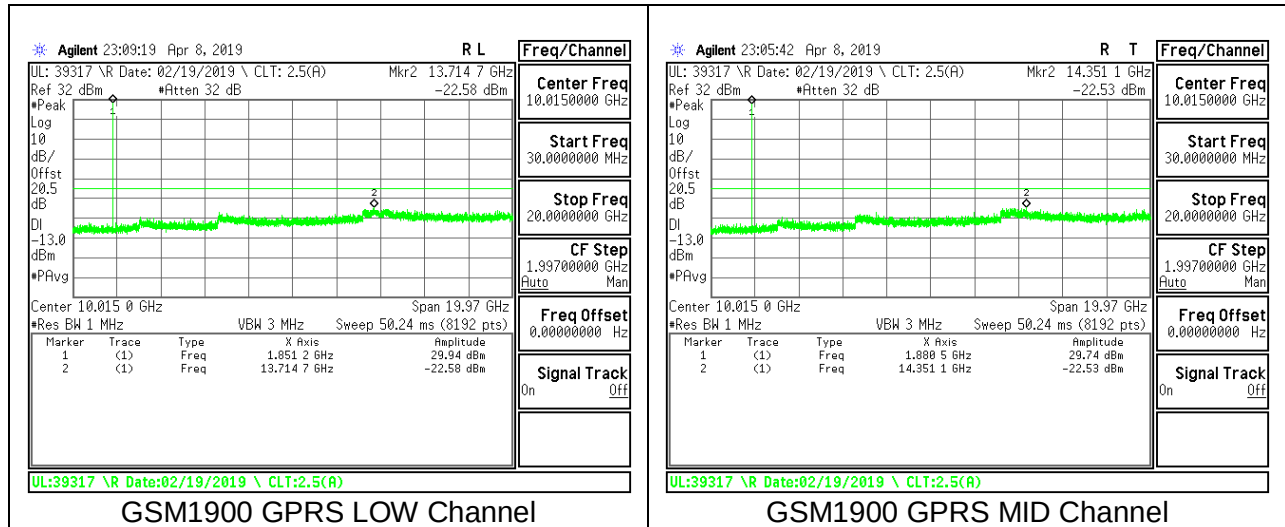
8.3.1. GSM850 GPRS



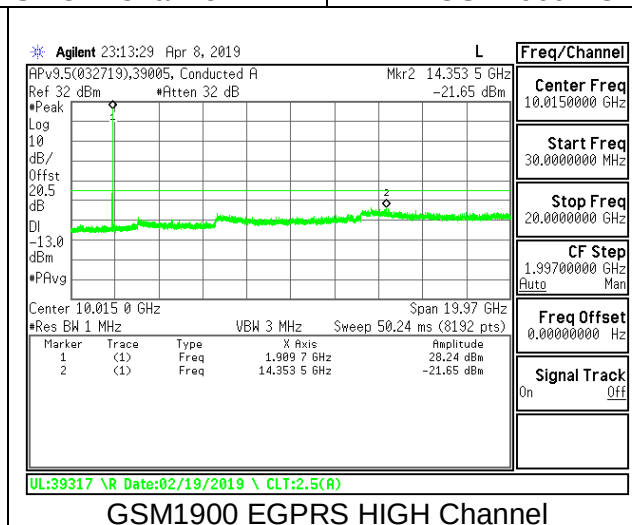
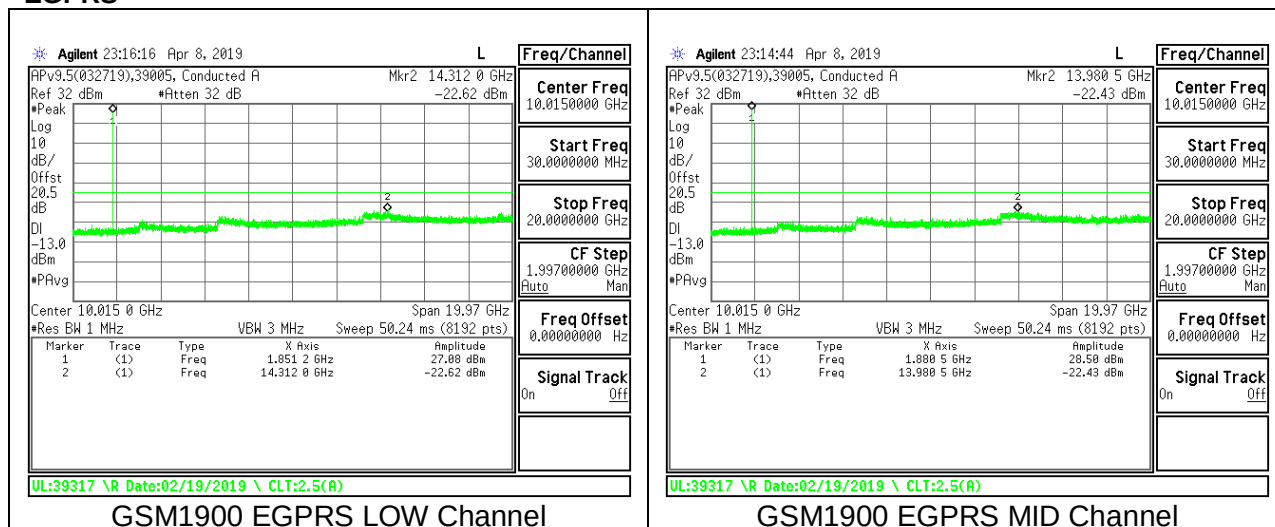
EGPRS



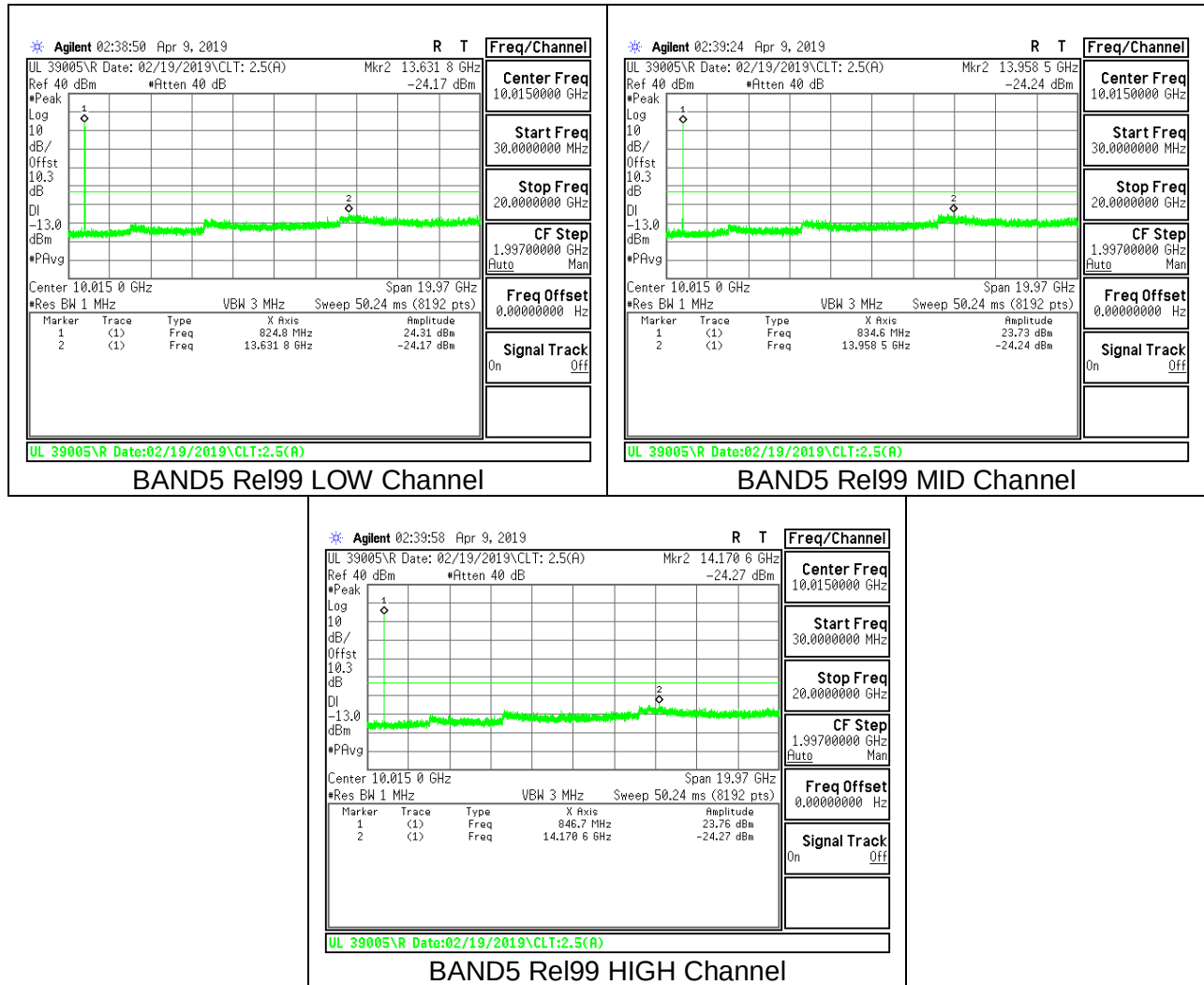
8.3.2. GSM1900 GPRS



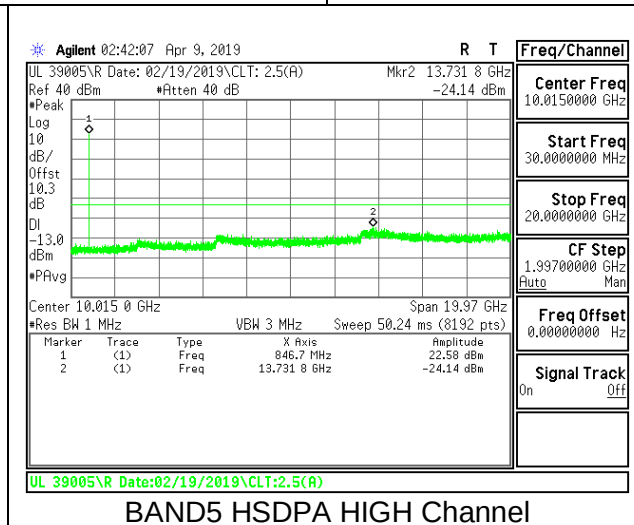
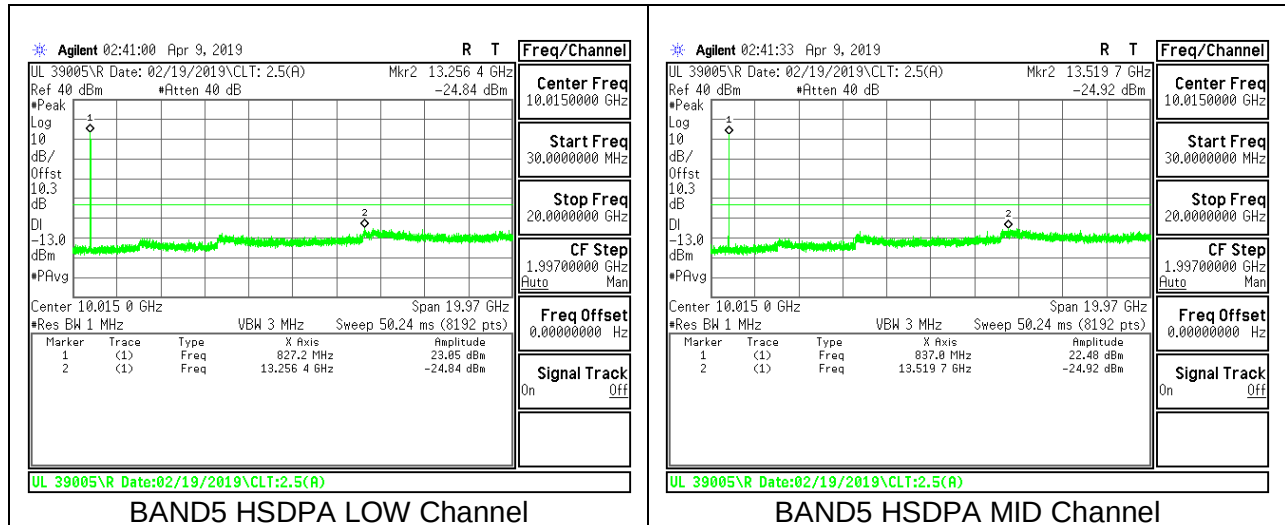
EGPRS



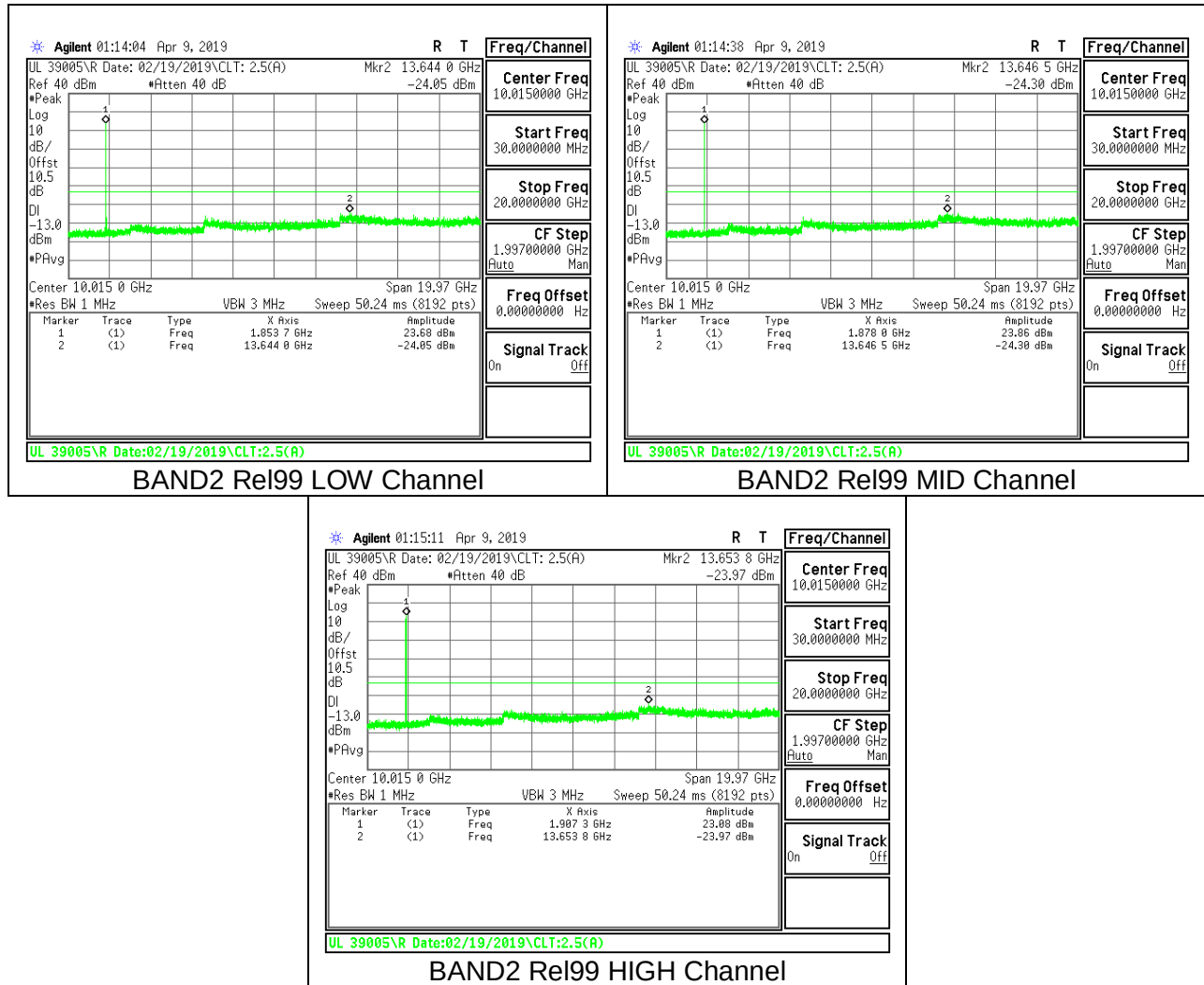
8.3.3. WCDMA BAND5 Rel99



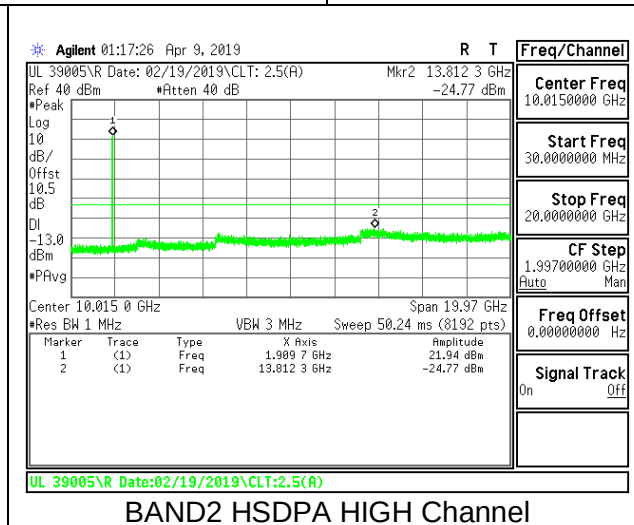
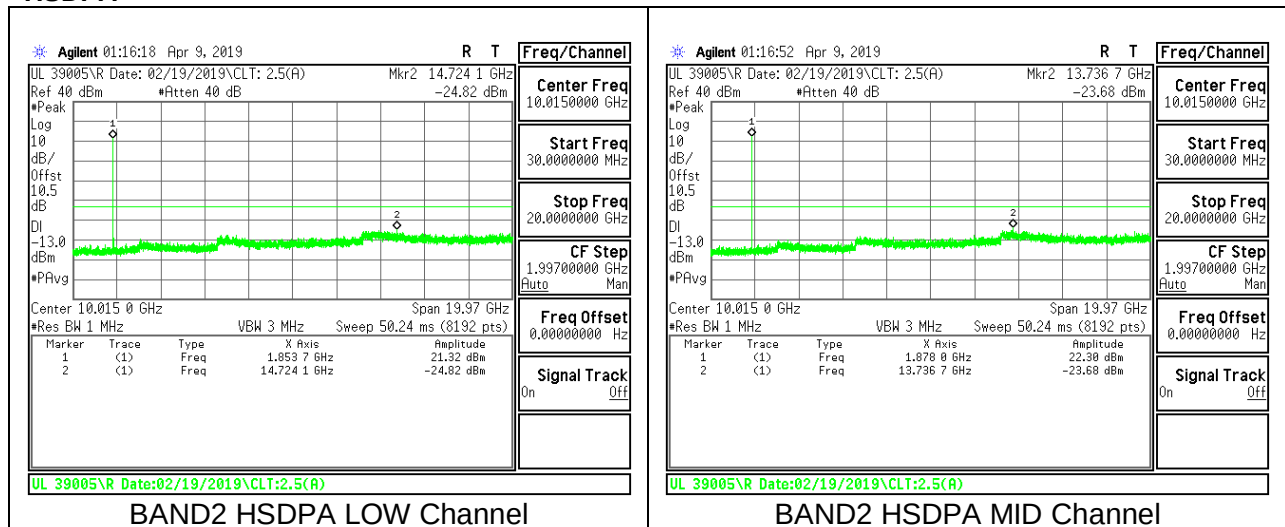
HSDPA



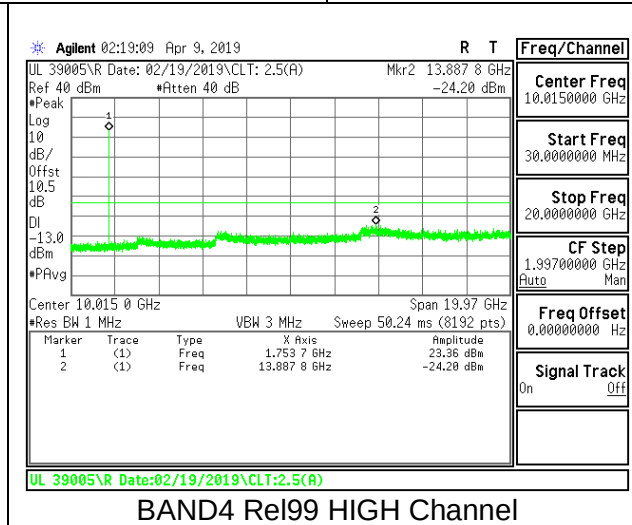
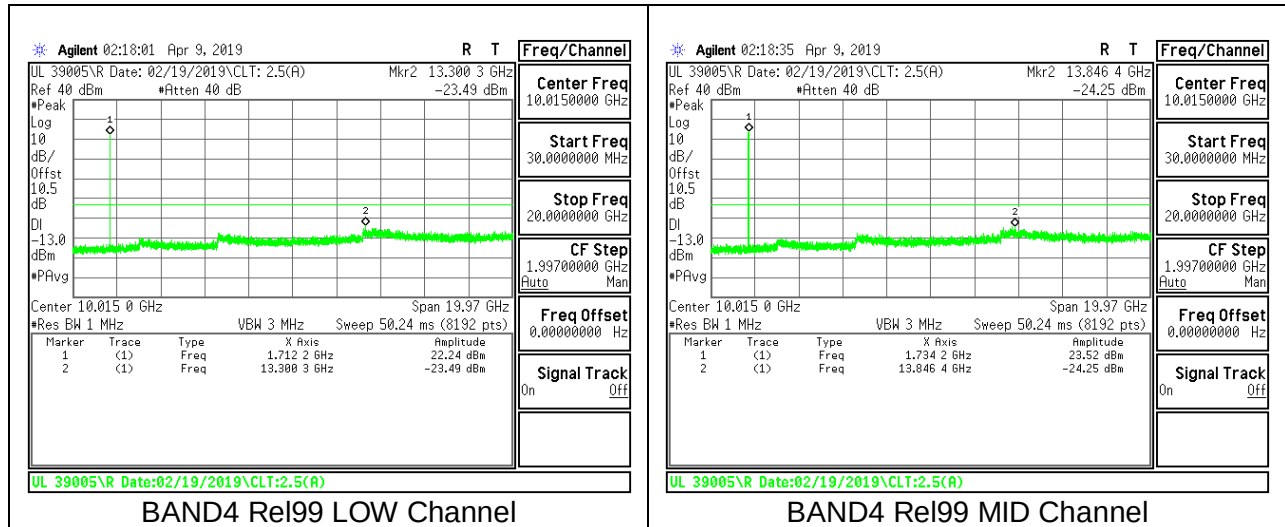
8.3.4. WCDMA BAND2 Rel99



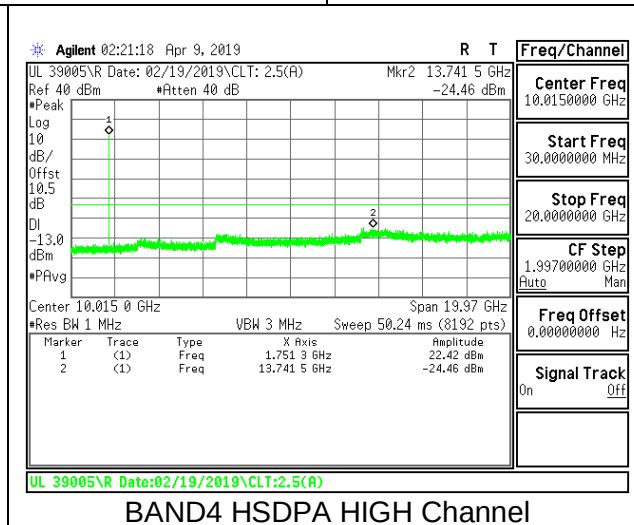
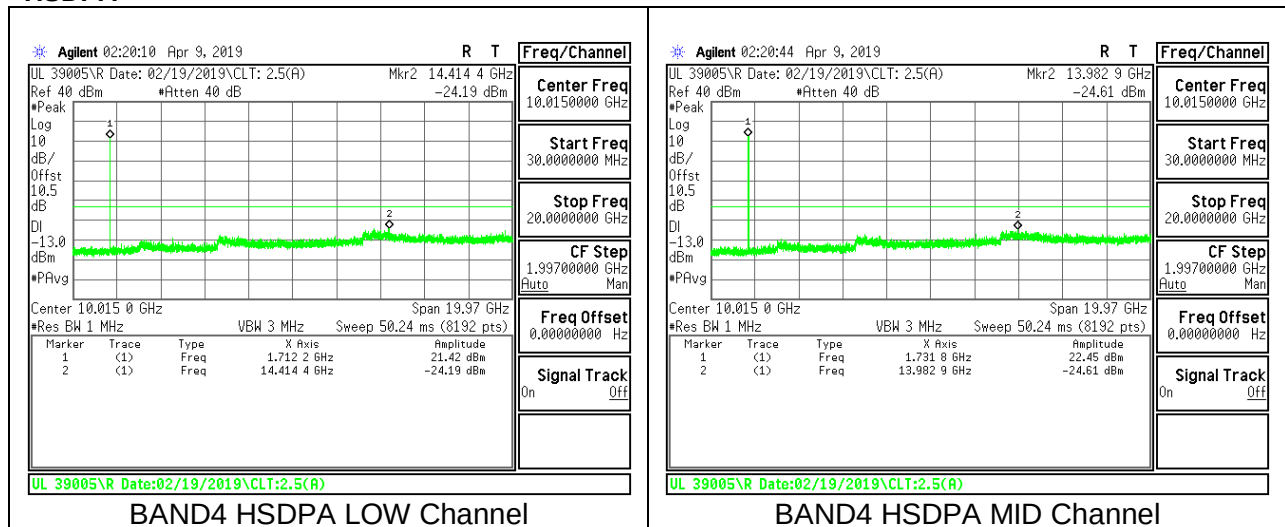
HSDPA



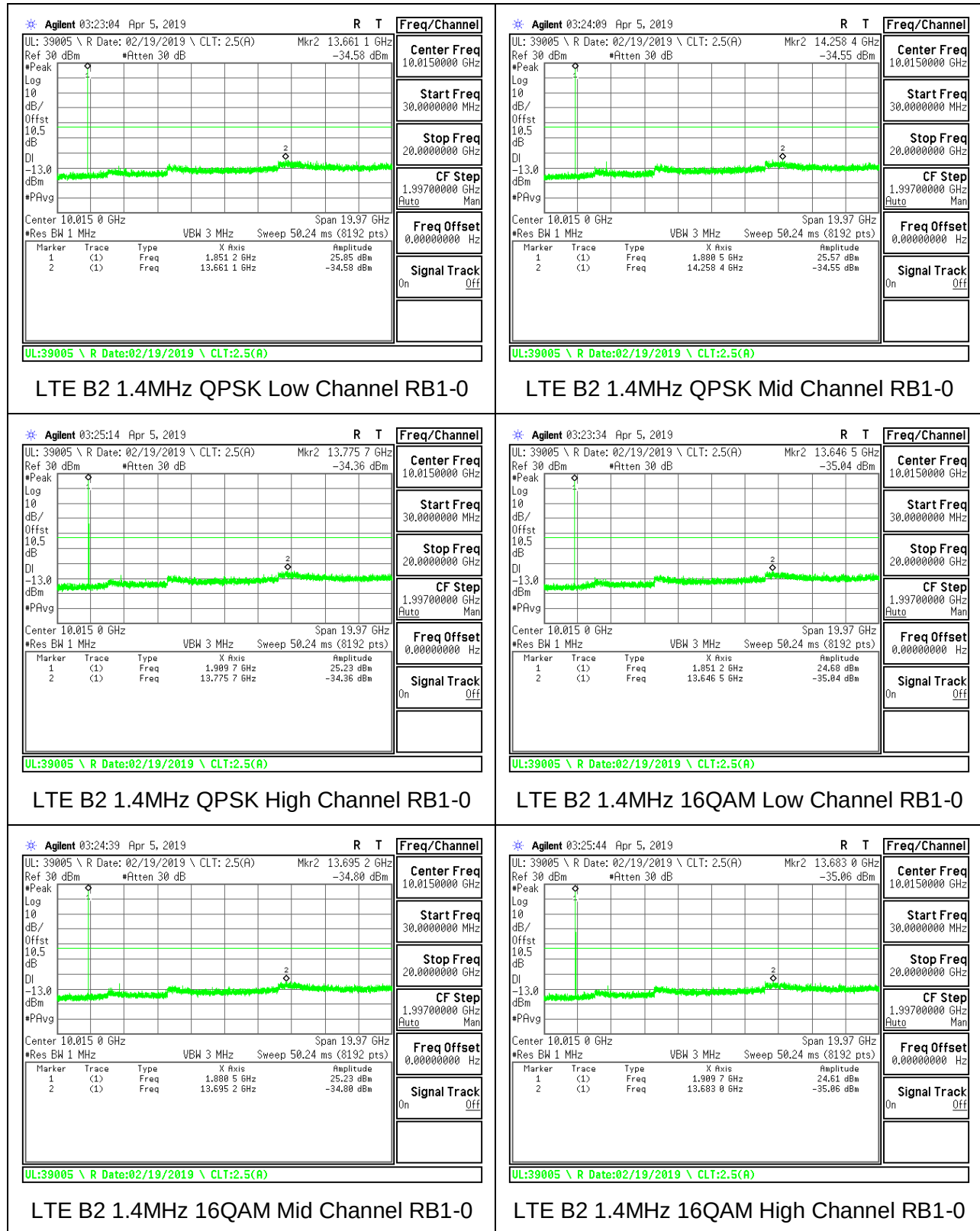
8.3.5. WCDMA BAND4 Rel99

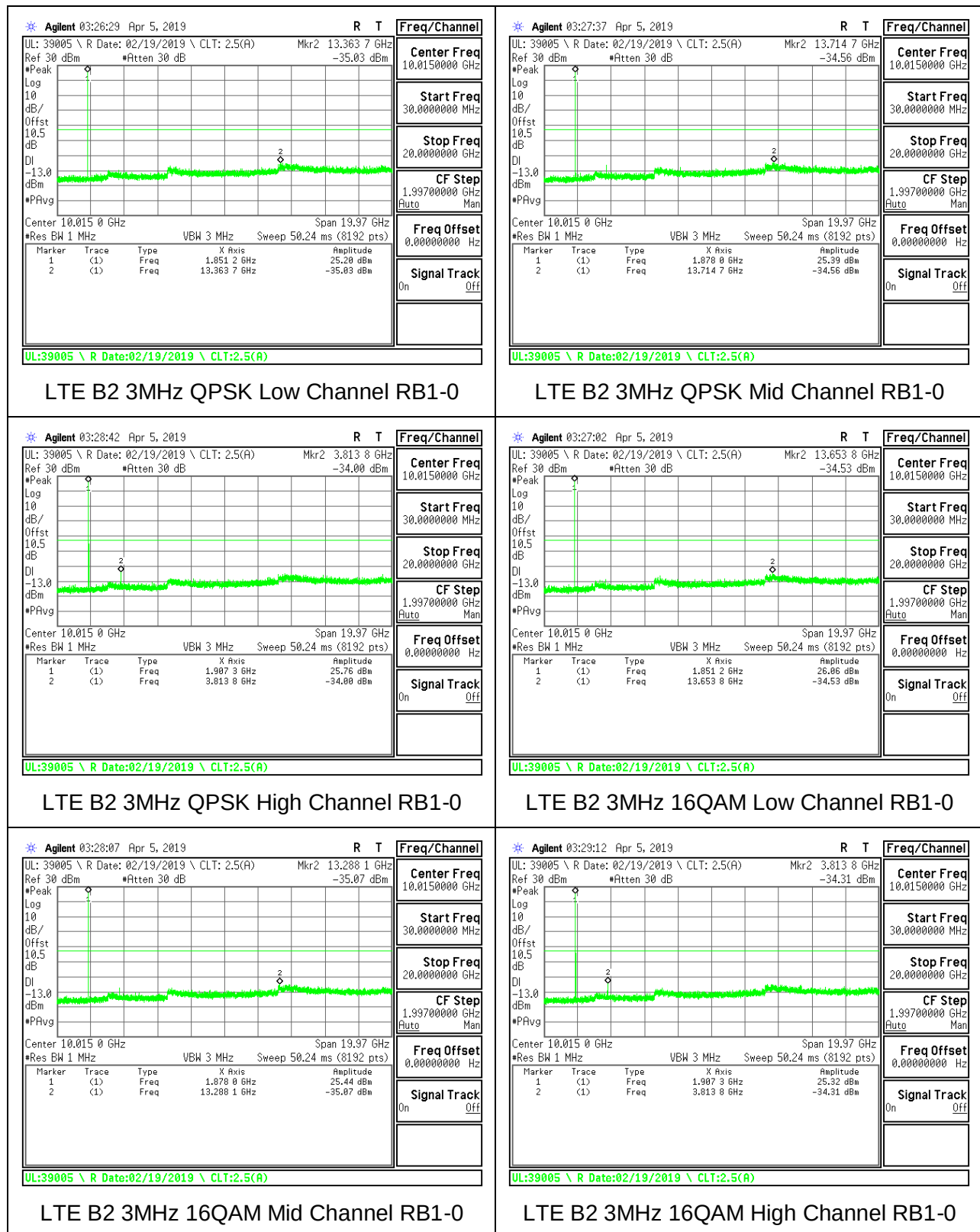


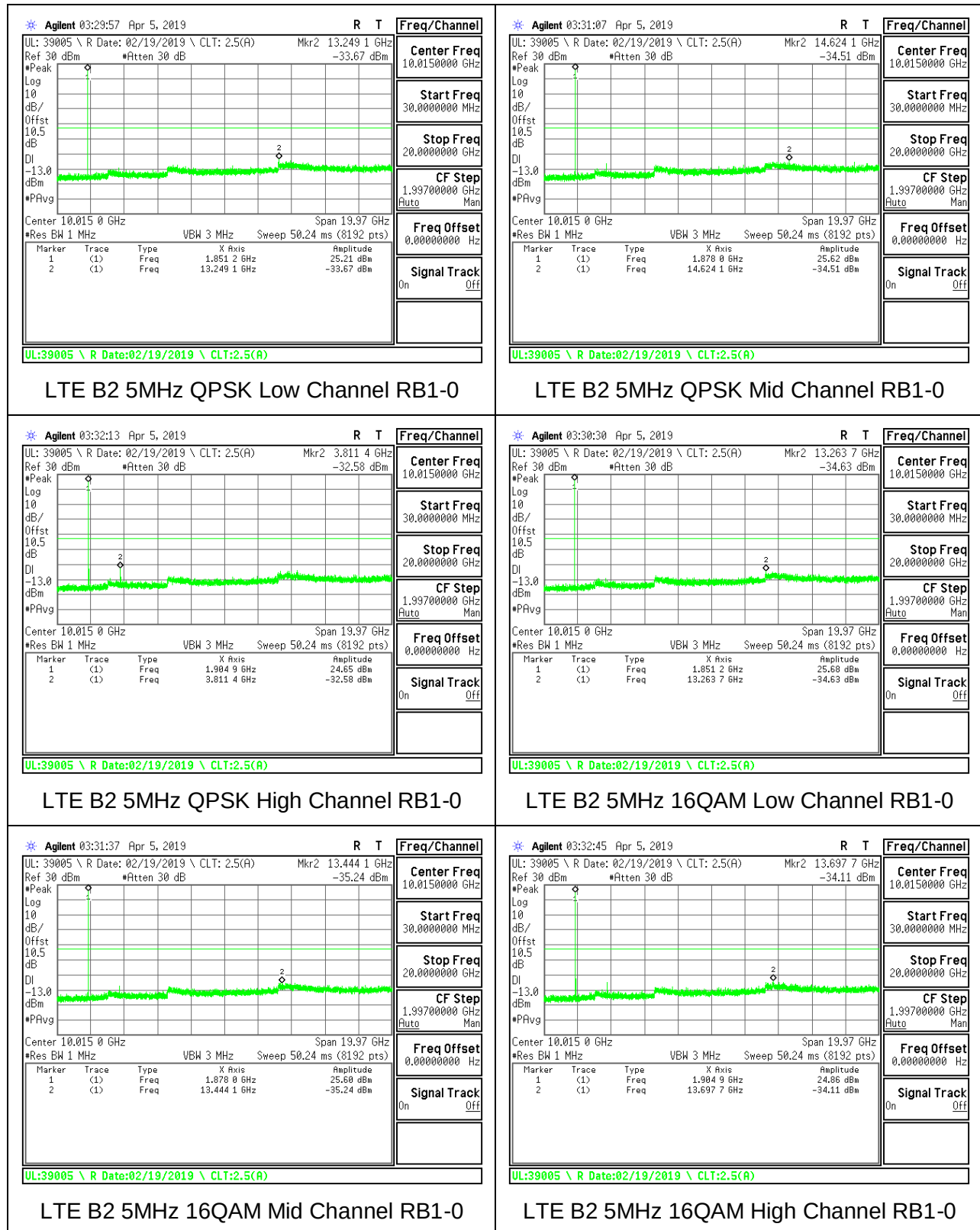
HSDPA

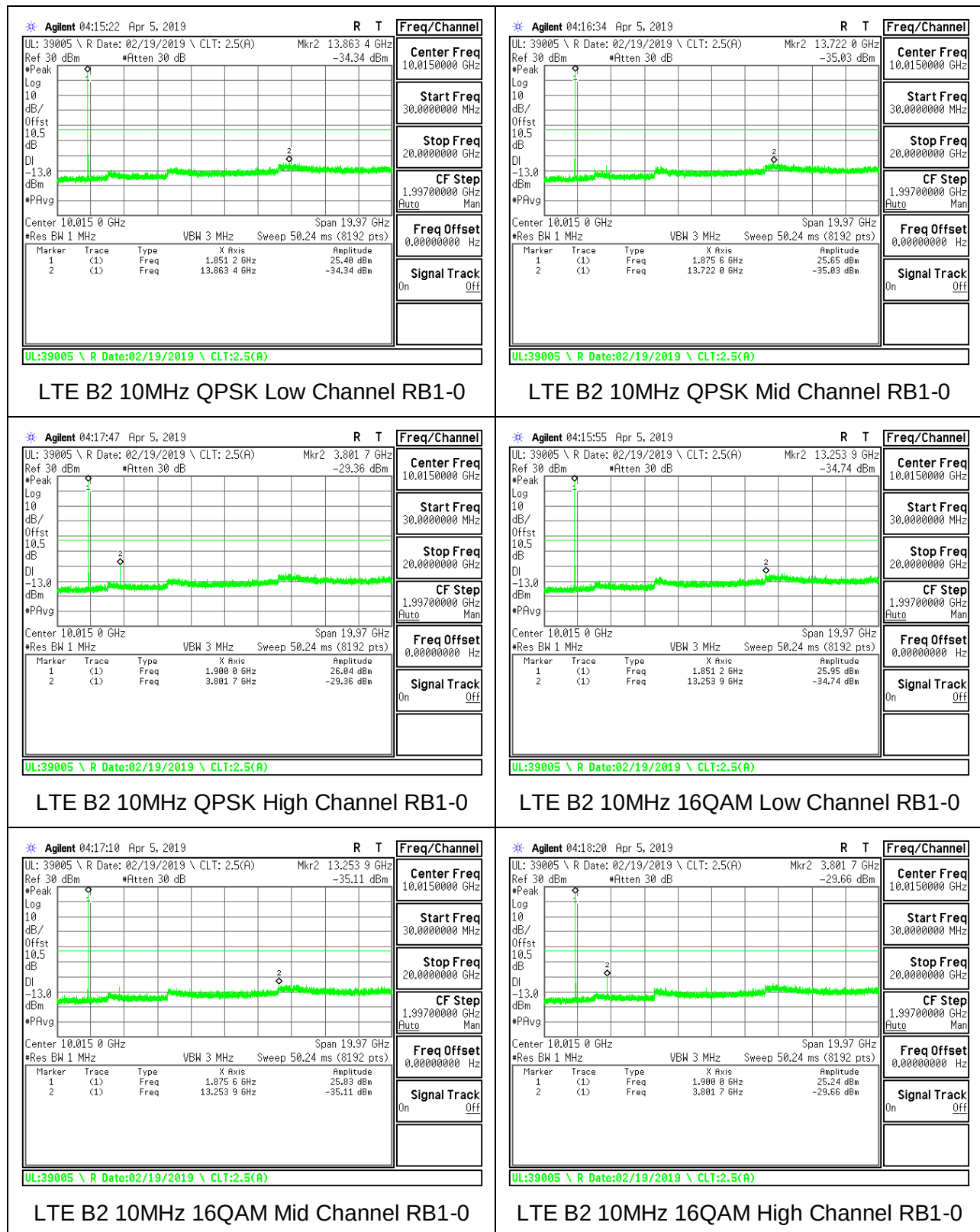


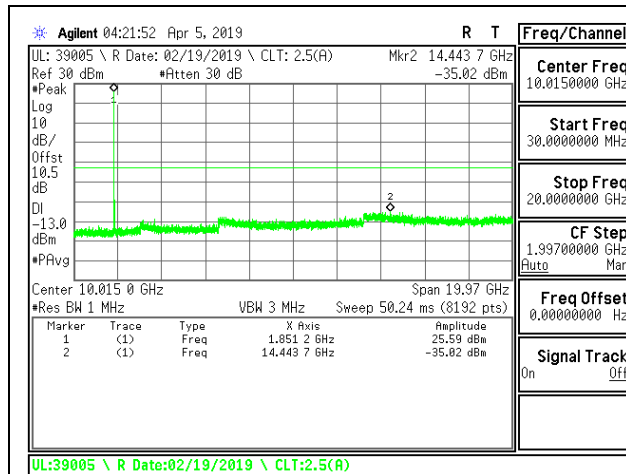
8.3.6. LTE BAND 2



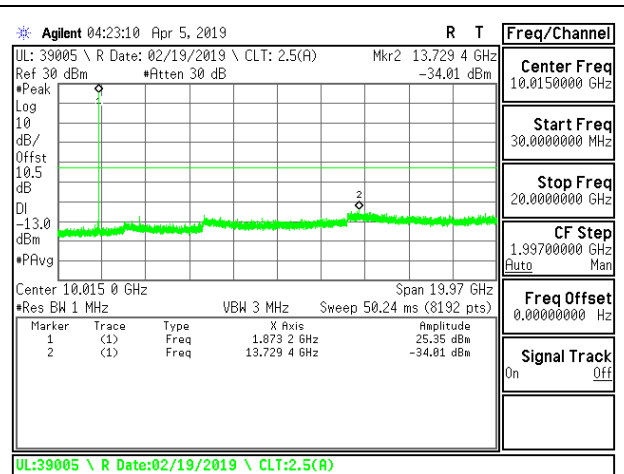




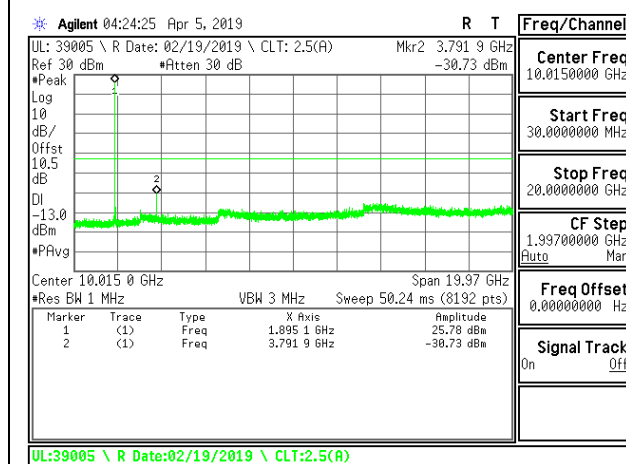




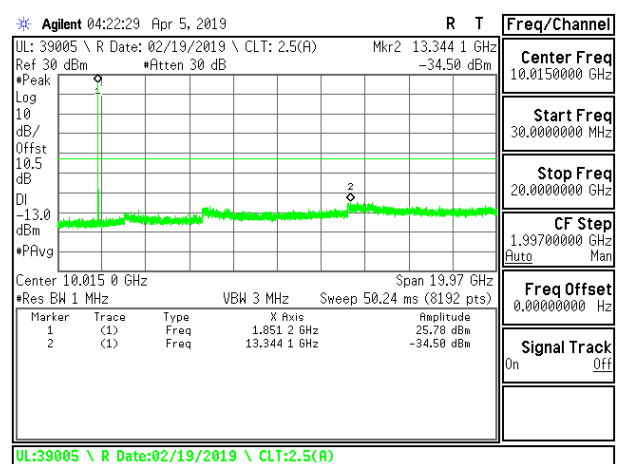
LTE B2 15MHz QPSK Low Channel RB1-0



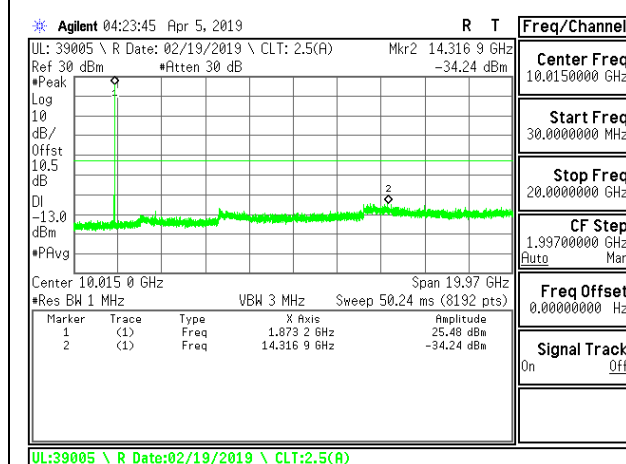
LTE B2 15MHz QPSK Mid Channel RB1-0



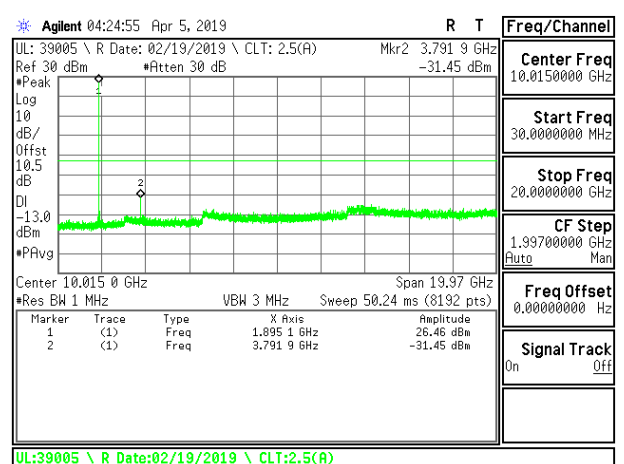
LTE B2 15MHz QPSK High Channel RB1-0



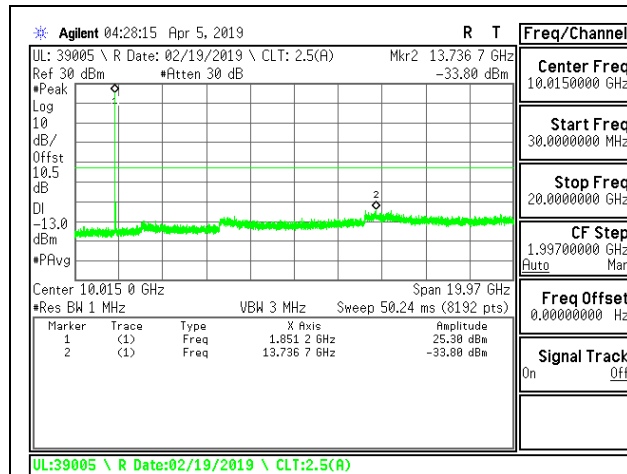
LTE B2 15MHz 16QAM Low Channel RB1-0



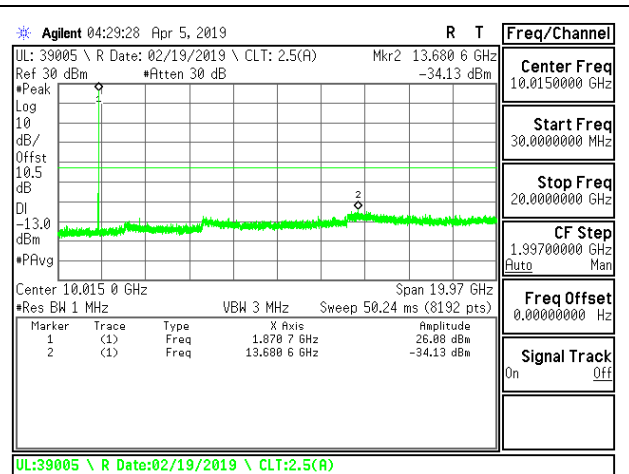
LTE B2 15MHz 16QAM Mid Channel RB1-0



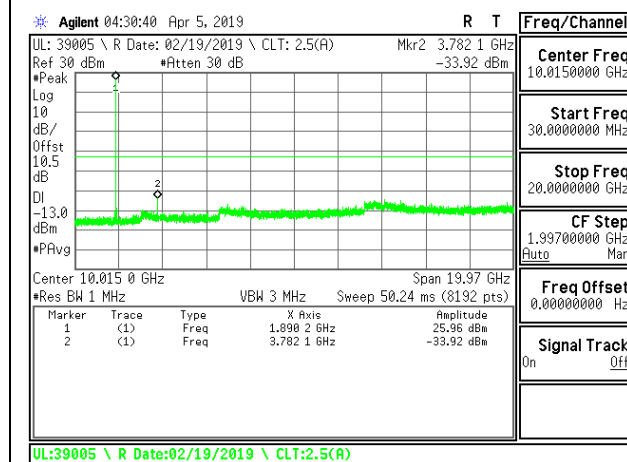
LTE B2 15MHz 16QAM High Channel RB1-0



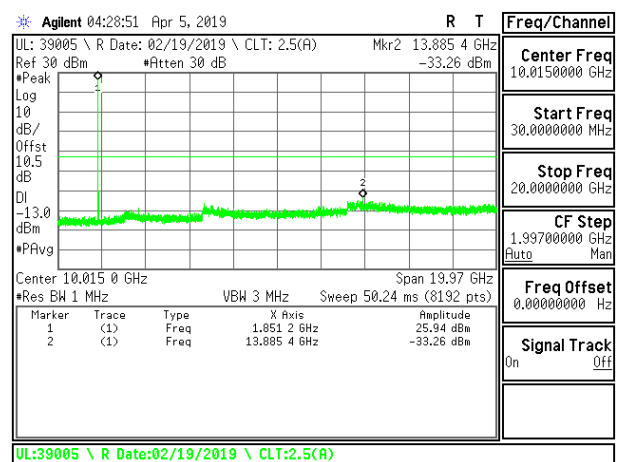
LTE B2 20MHz QPSK Low Channel RB1-0



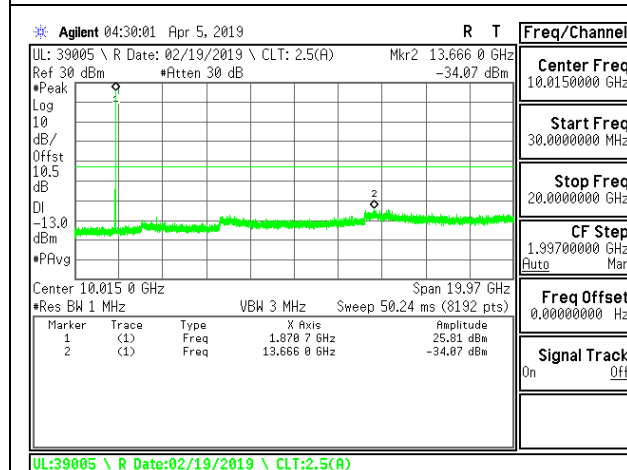
LTE B2 20MHz QPSK Mid Channel RB1-0



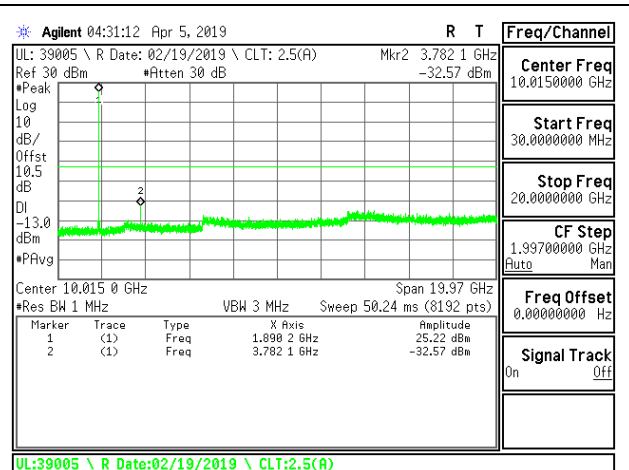
LTE B2 20MHz QPSK High Channel RB1-0



LTE B2 20MHz 16QAM Low Channel RB1-0

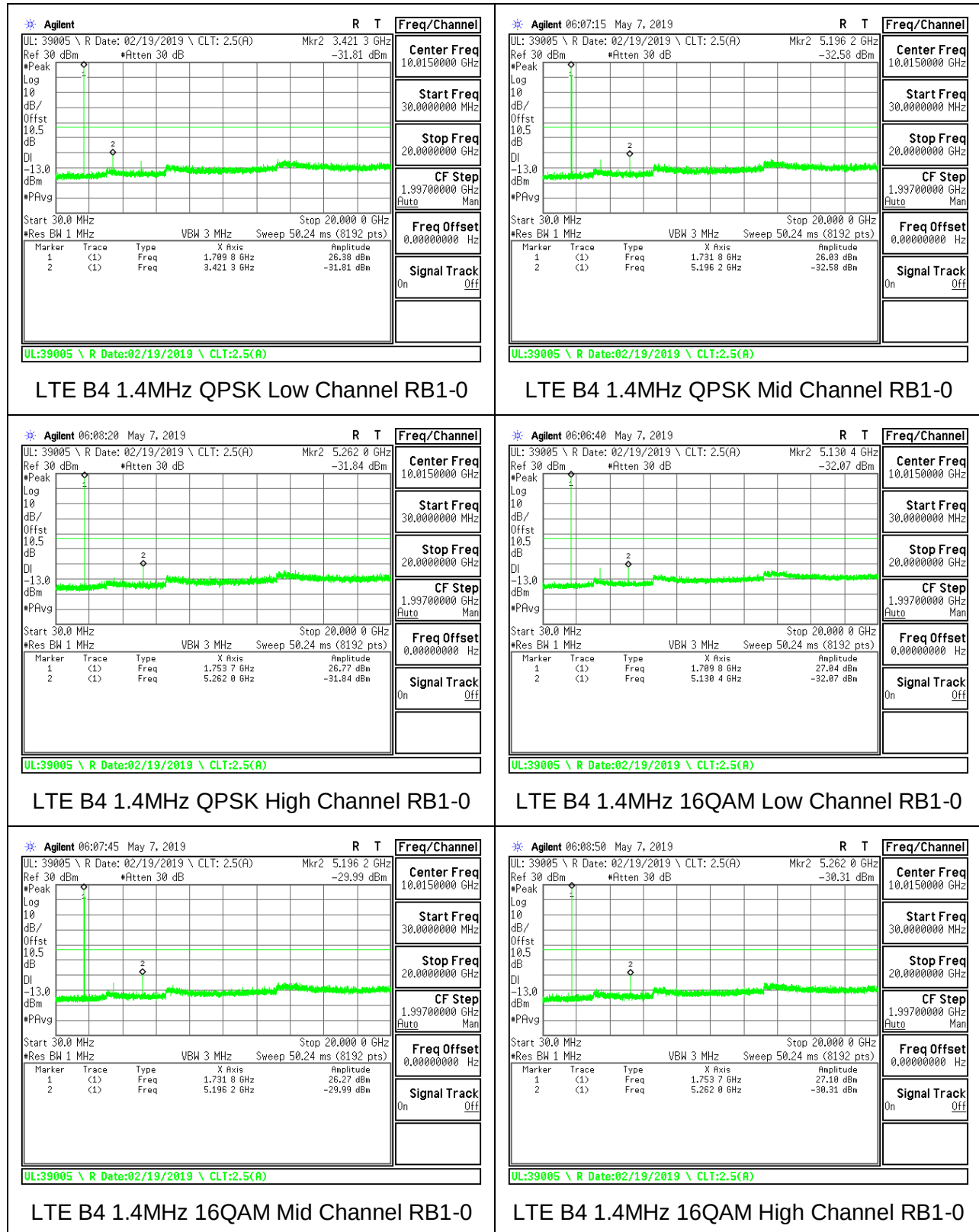


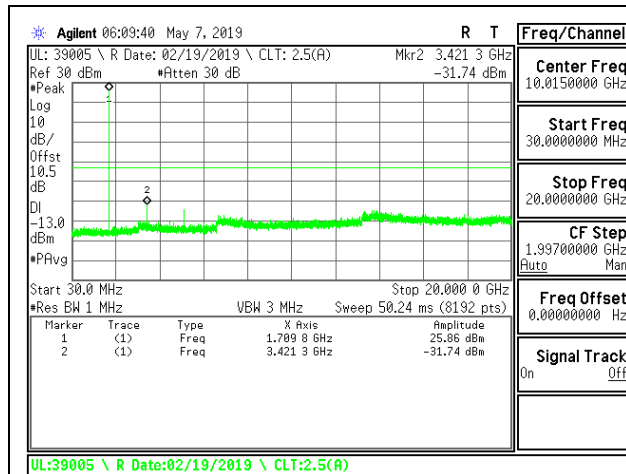
LTE B2 20MHz 16QAM Mid Channel RB1-0



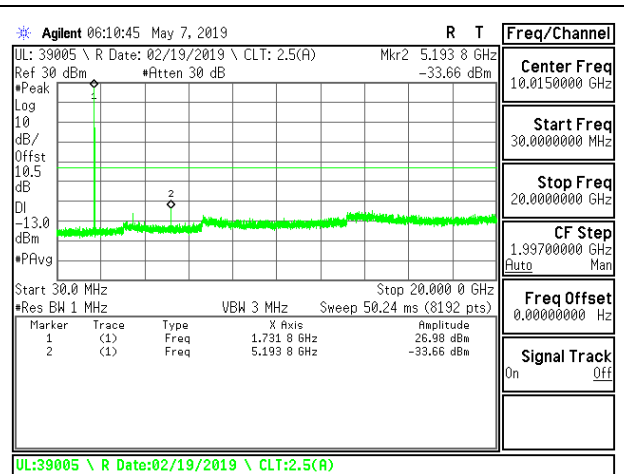
LTE B2 20MHz 16QAM High Channel RB1-0

8.3.7. LTE BAND 4

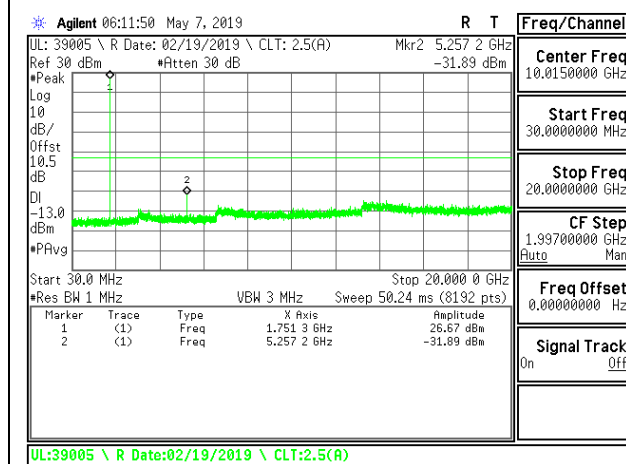




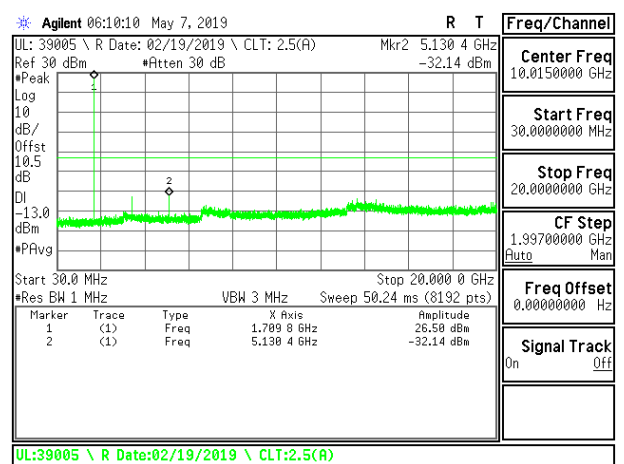
LTE B4 3MHz QPSK Low Channel RB1-0



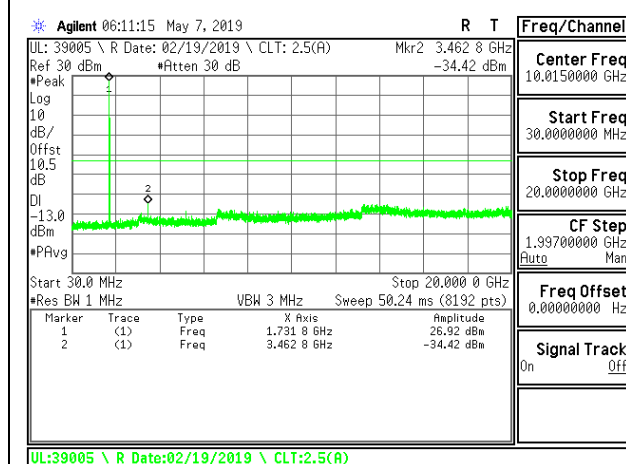
LTE B4 3MHz QPSK Mid Channel RB1-0



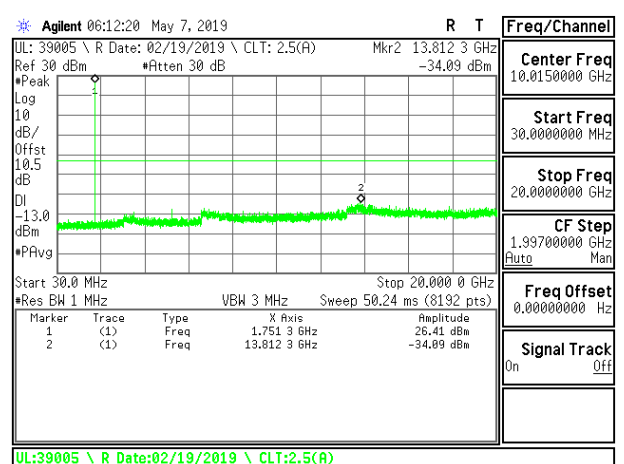
LTE B4 3MHz QPSK High Channel RB1-0



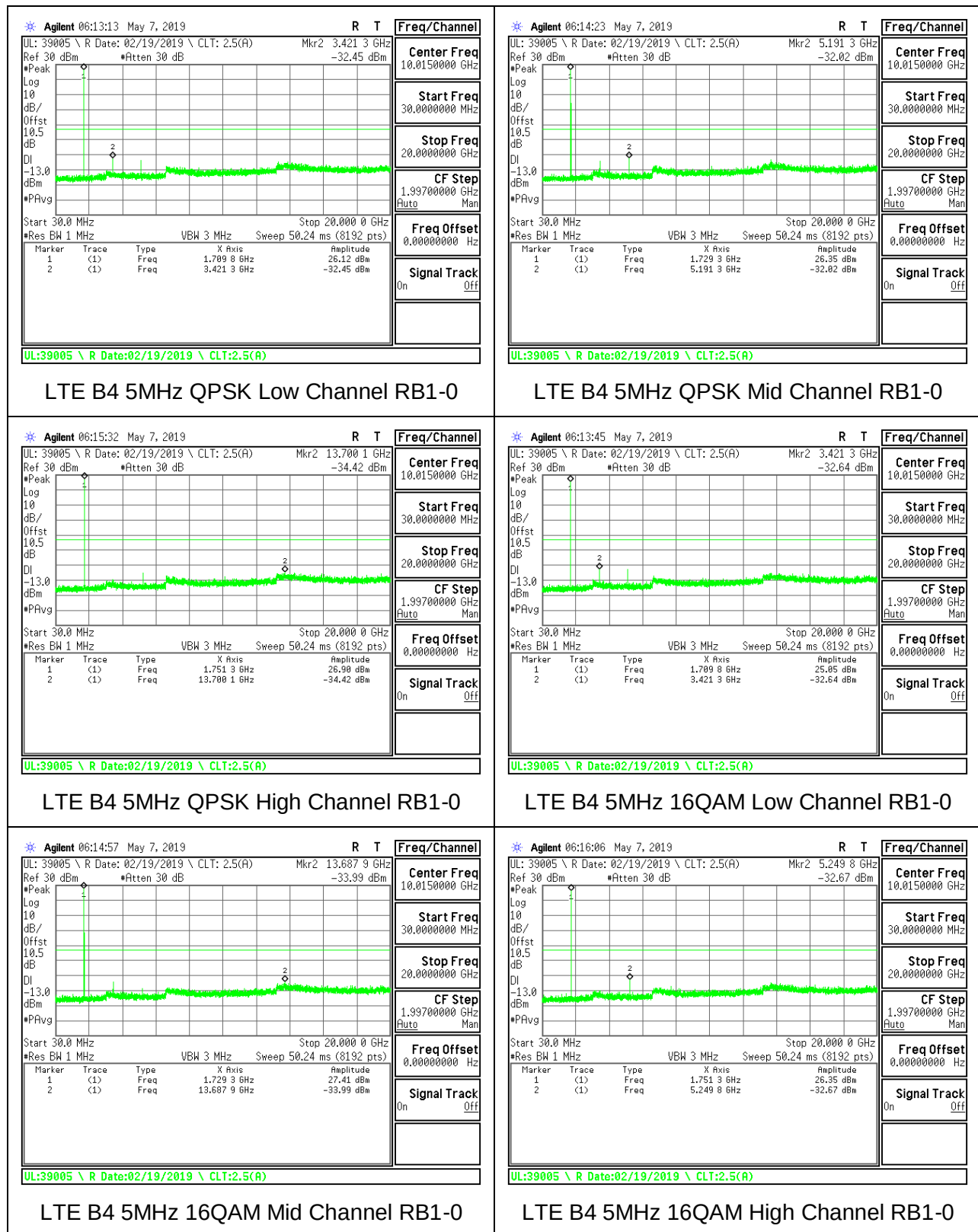
LTE B4 3MHz 16QAM Low Channel RB1-0

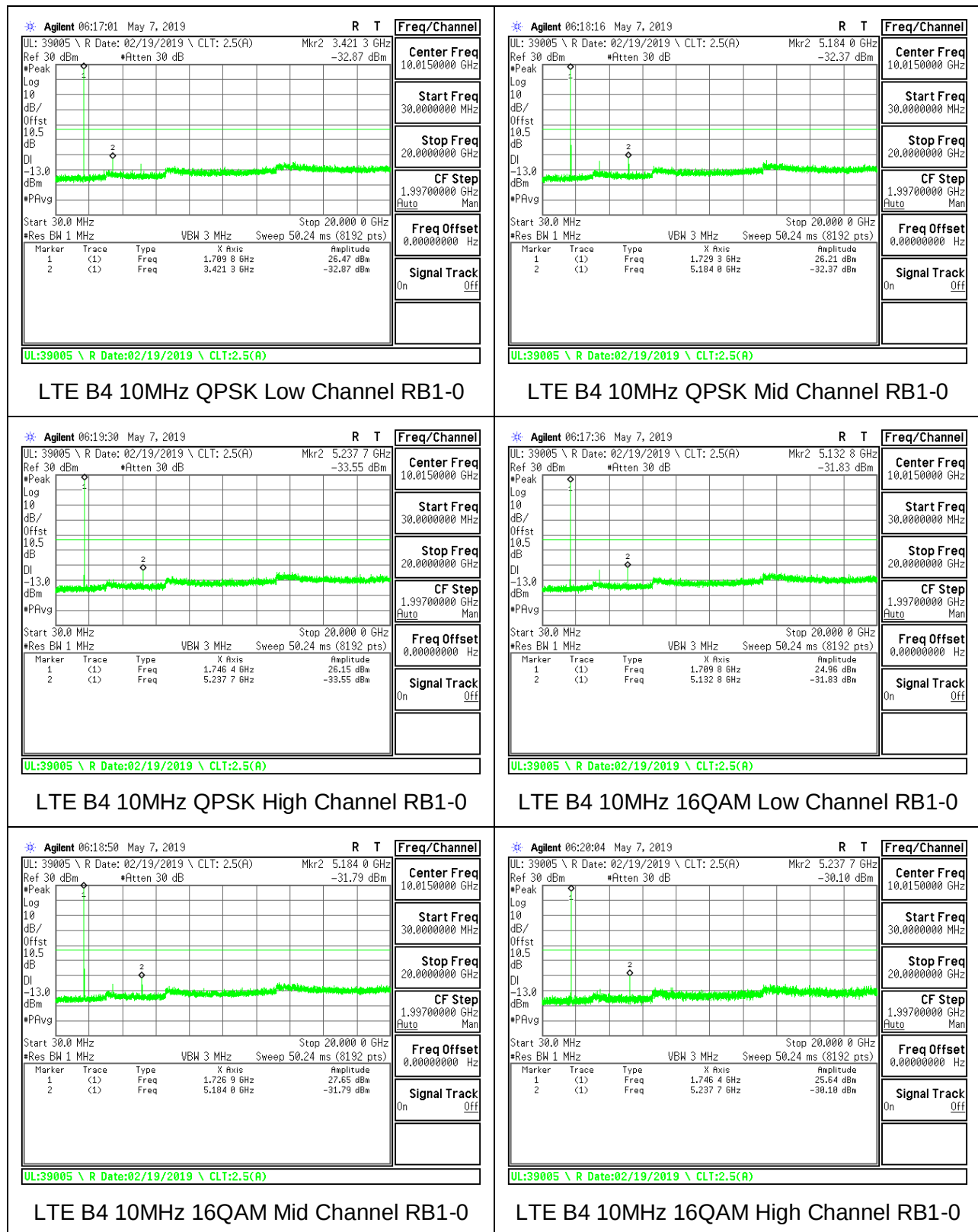


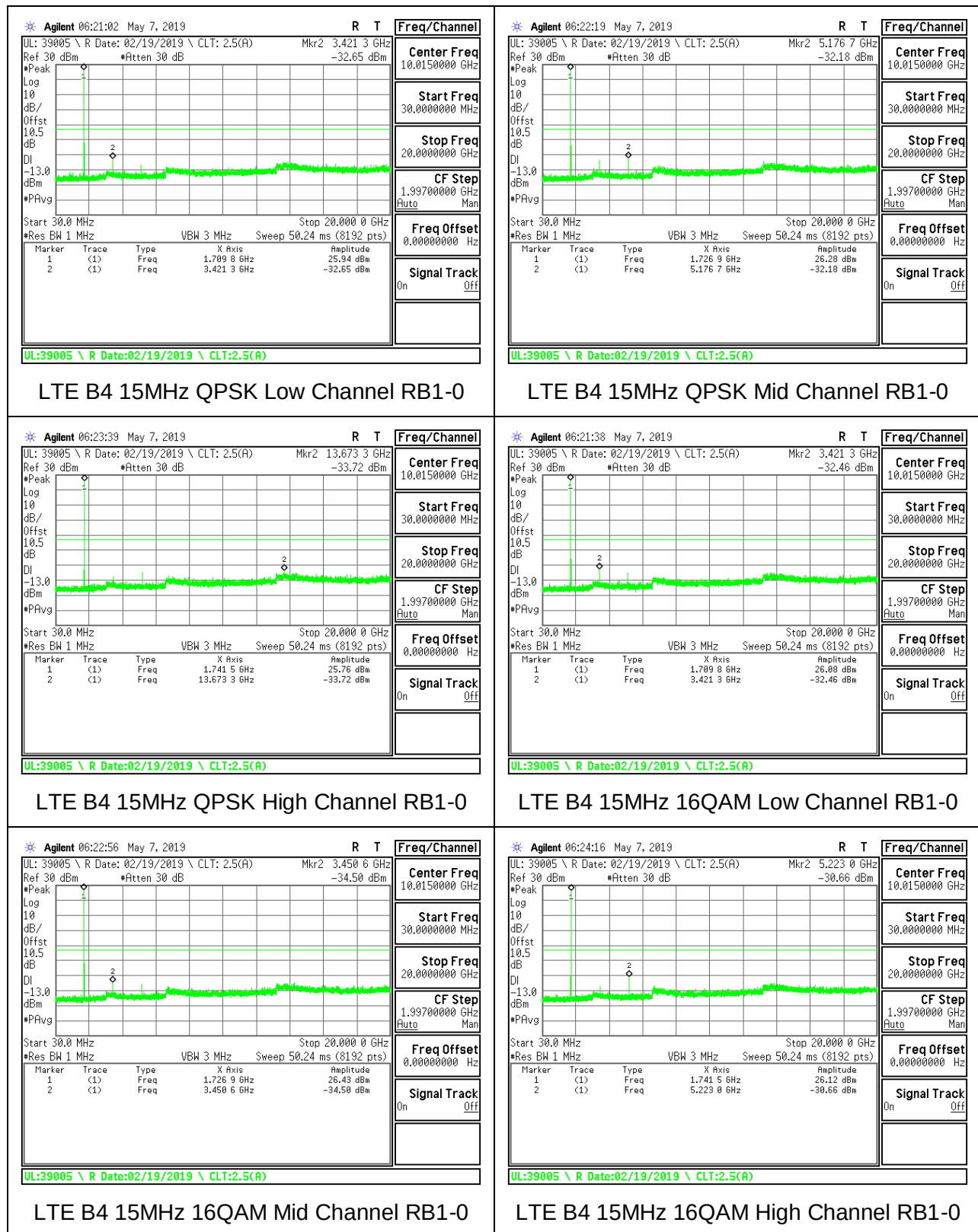
LTE B4 3MHz 16QAM Mid Channel RB1-0

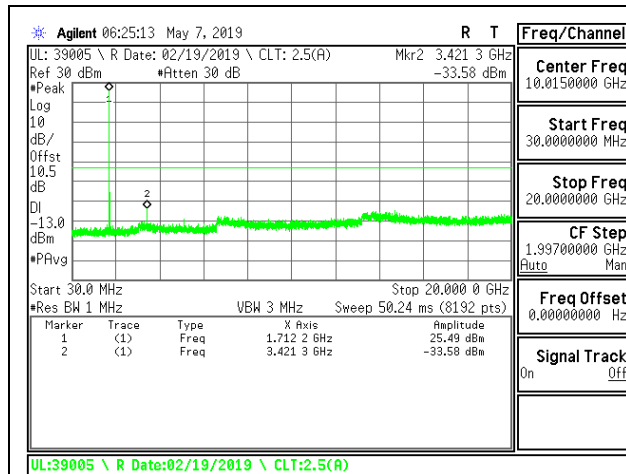


LTE B4 3MHz 16QAM High Channel RB1-0

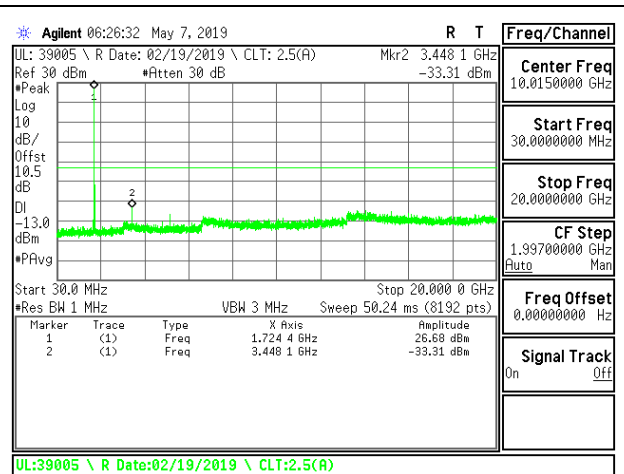




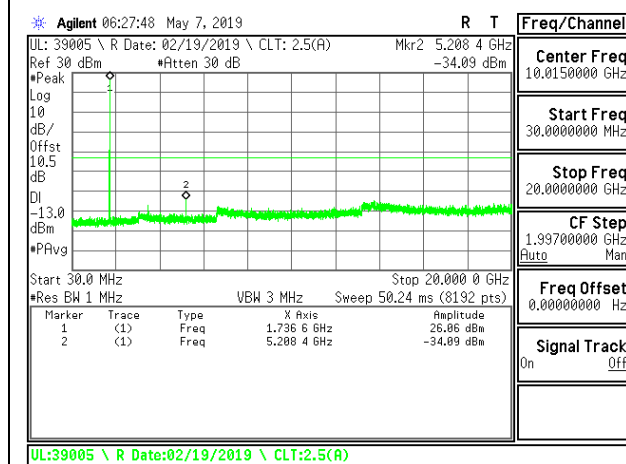




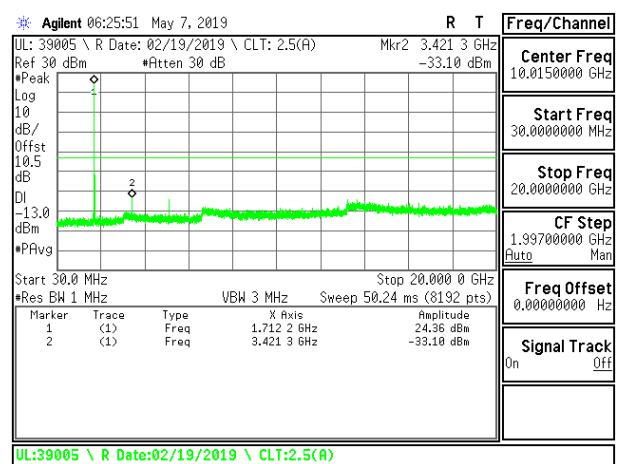
LTE B4 20MHz QPSK Low Channel RB1-0



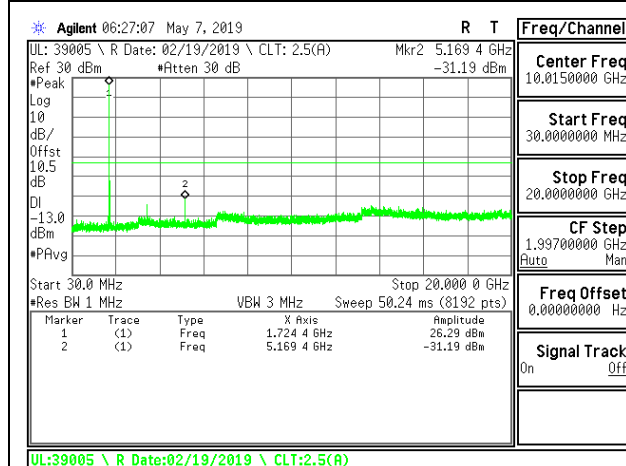
LTE B4 20MHz QPSK Mid Channel RB1-0



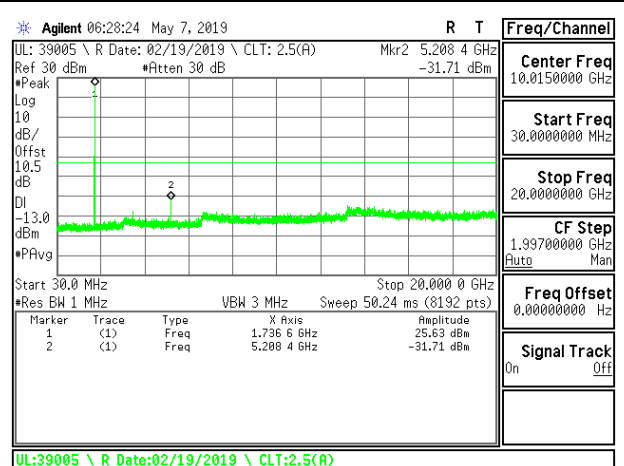
LTE B4 20MHz QPSK High Channel RB1-0



LTE B4 20MHz 16QAM Low Channel RB1-0

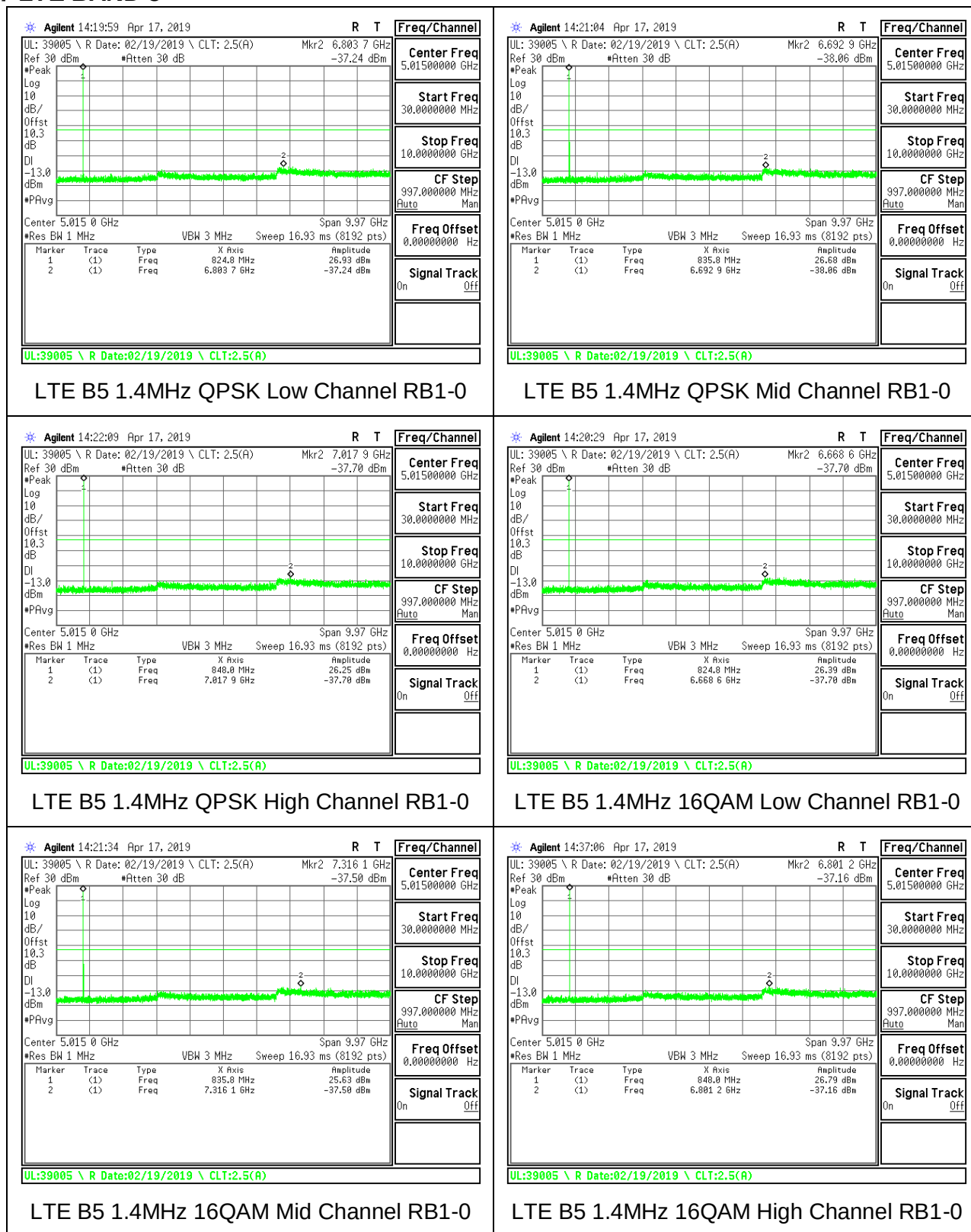


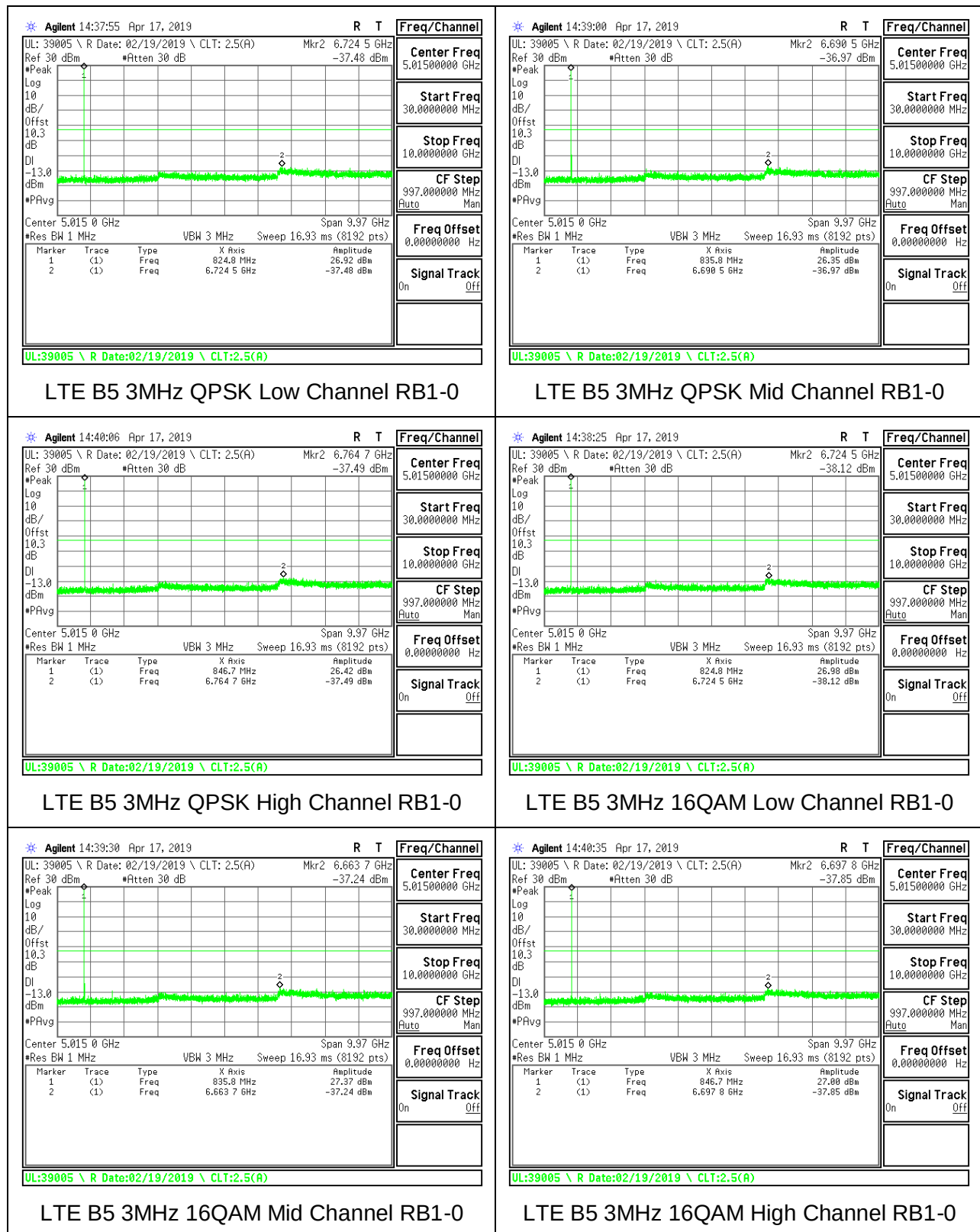
LTE B4 20MHz 16QAM Mid Channel RB1-0

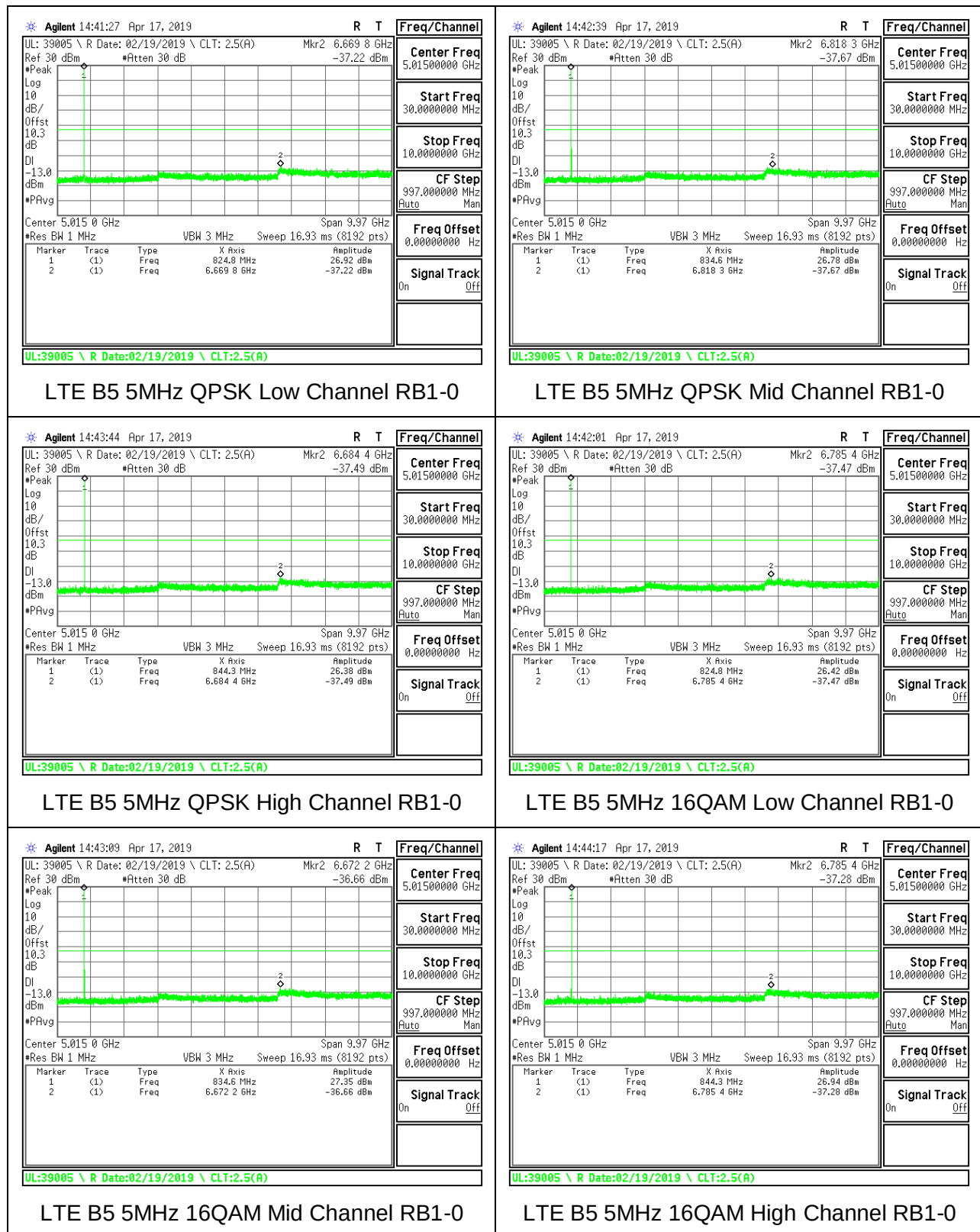


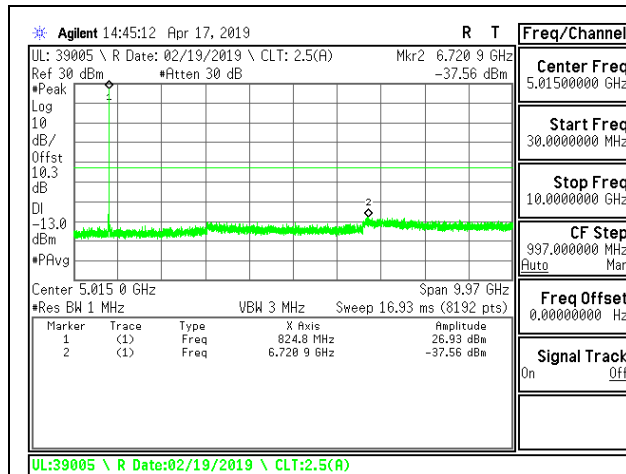
LTE B4 20MHz 16QAM High Channel RB1-0

8.3.8. LTE BAND 5

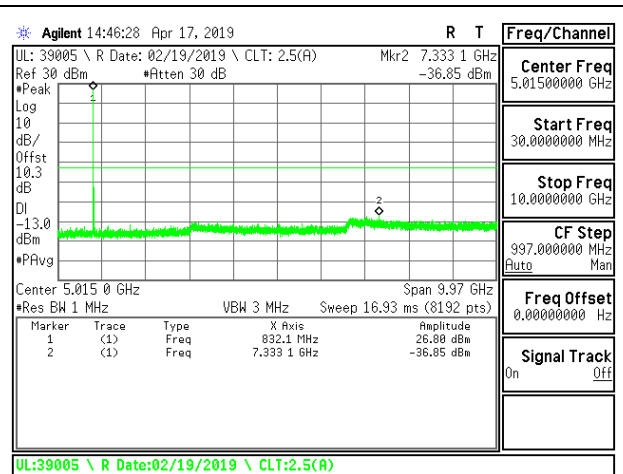




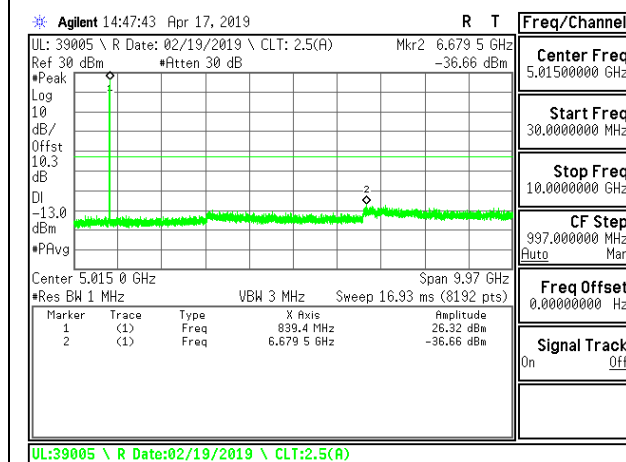




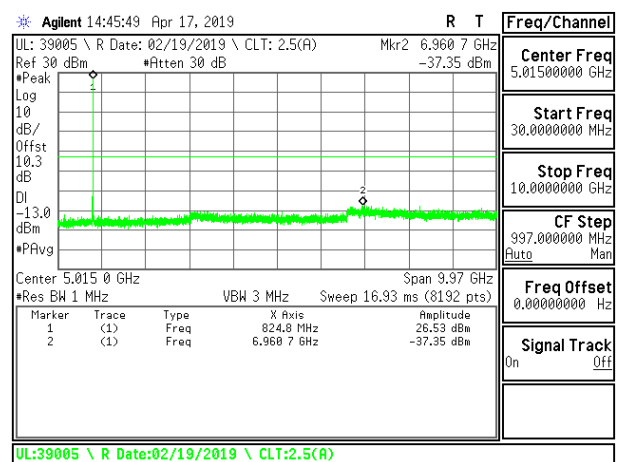
LTE B5 10MHz QPSK Low Channel RB1-0



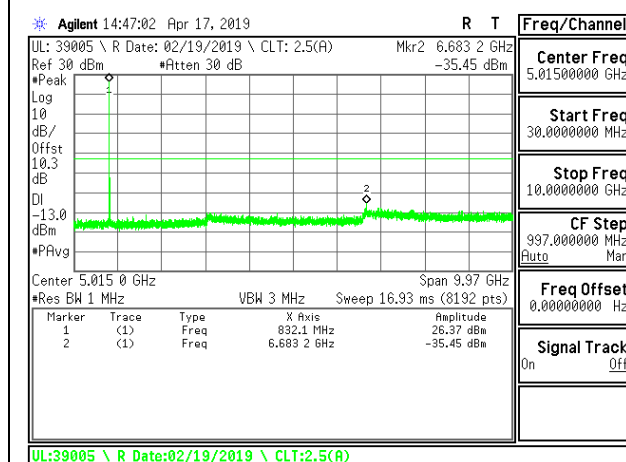
LTE B5 10MHz QPSK Mid Channel RB1-0



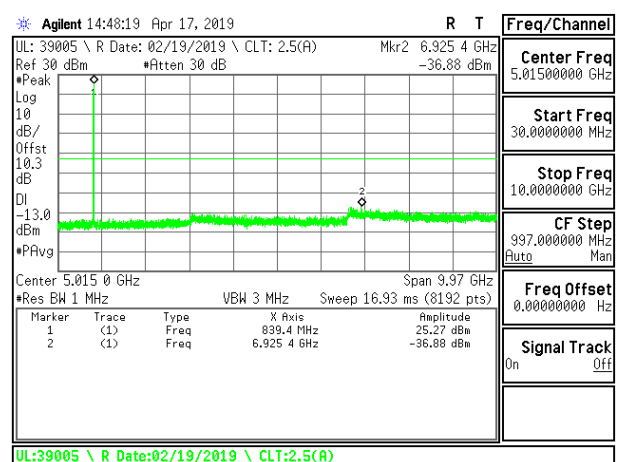
LTE B5 10MHz QPSK High Channel RB1-0



LTE B5 10MHz 16QAM Low Channel RB1-0

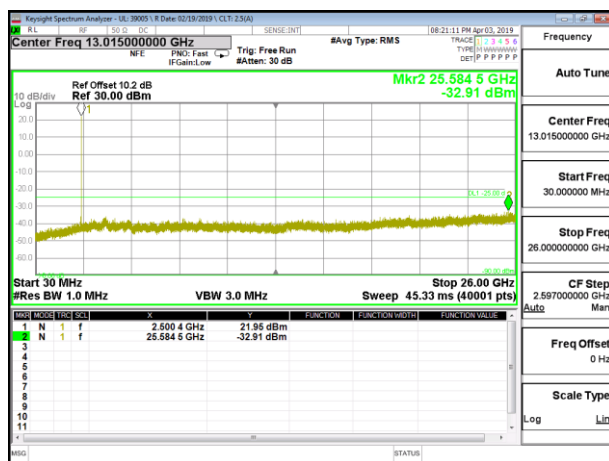


LTE B5 10MHz 16QAM Mid Channel RB1-0

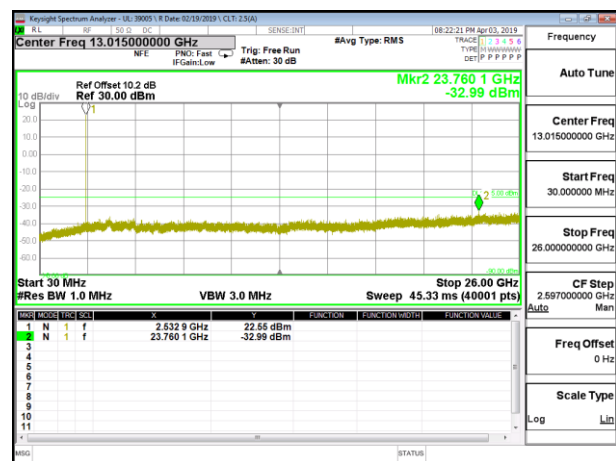


LTE B5 10MHz 16QAM High Channel RB1-0

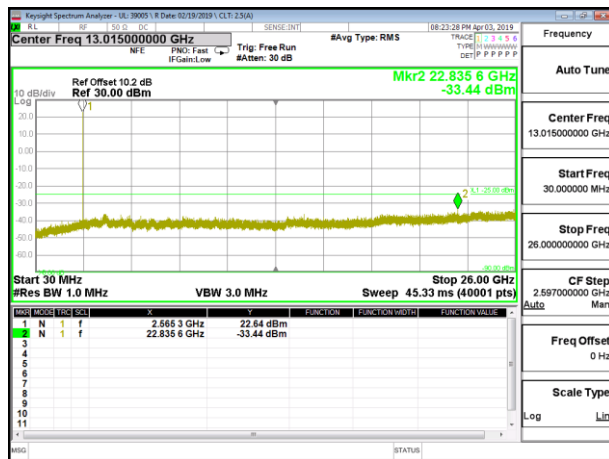
8.3.9. LTE BAND 7



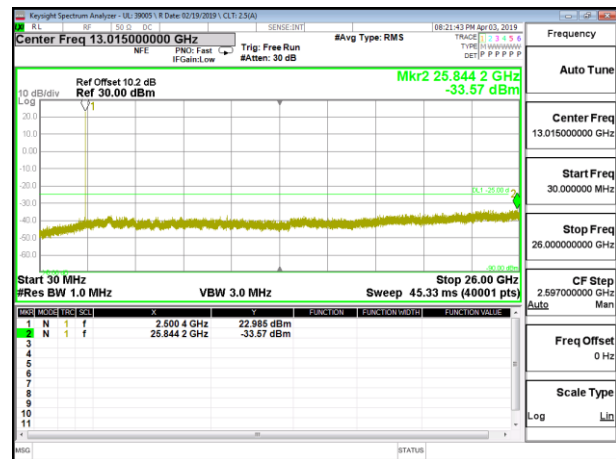
LTE B7 5MHz QPSK Low Channel RB1-0



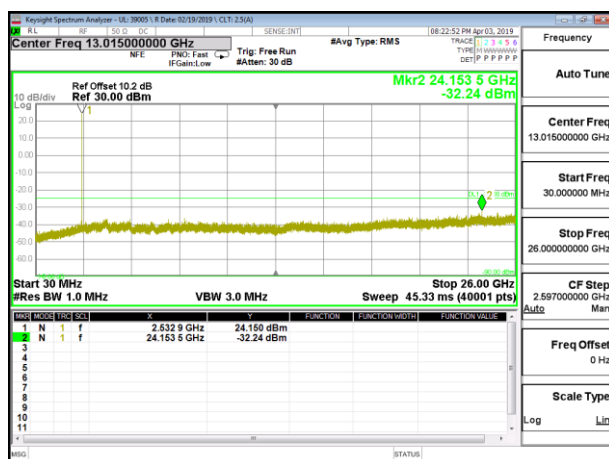
LTE B7 5MHz QPSK Mid Channel RB1-0



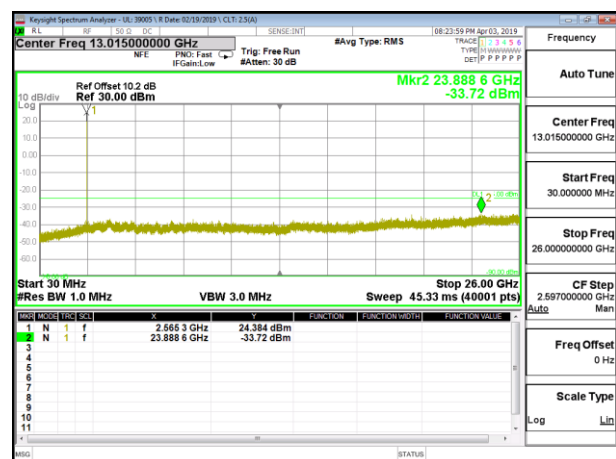
LTE B7 5MHz QPSK High Channel RB1-0



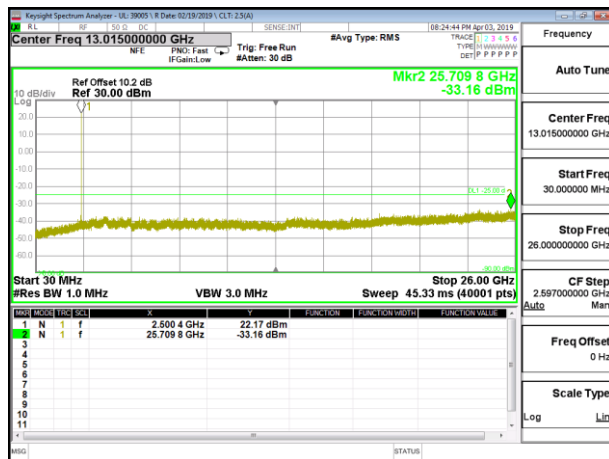
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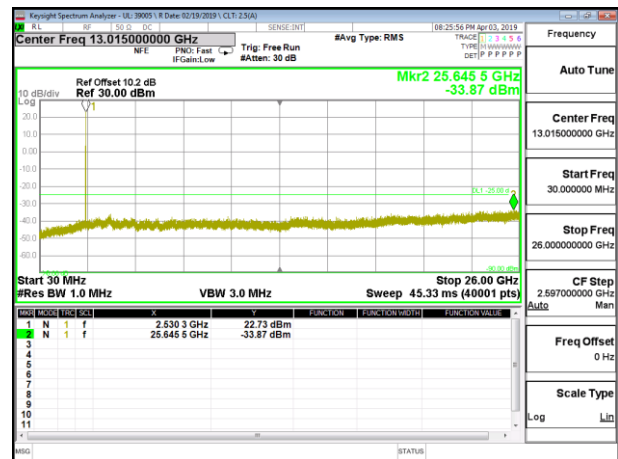
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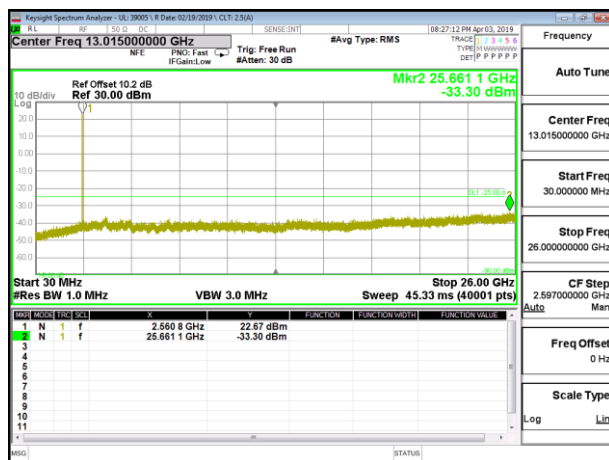
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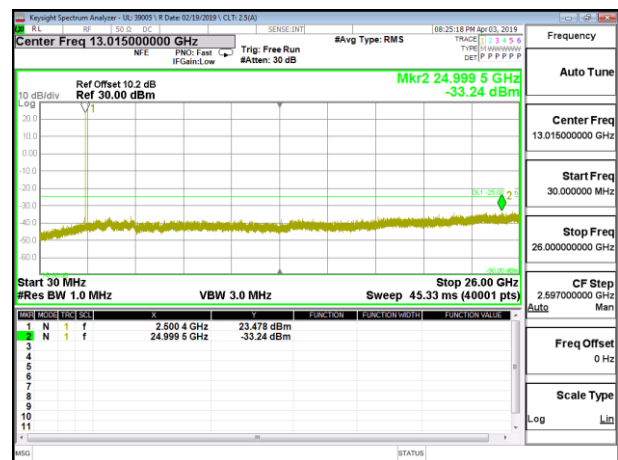
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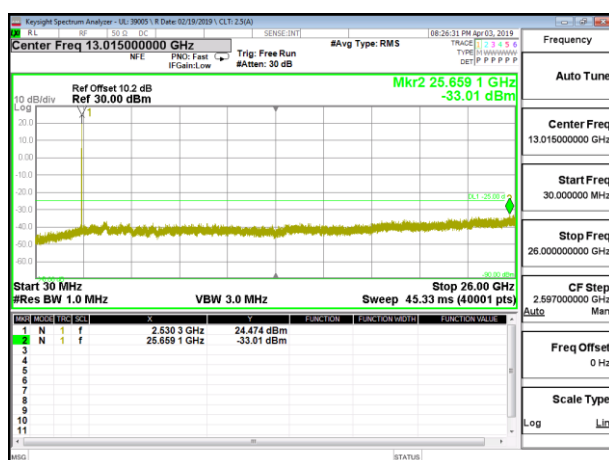
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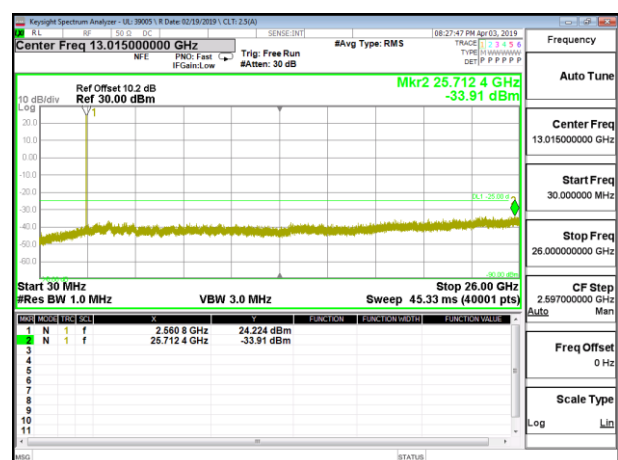
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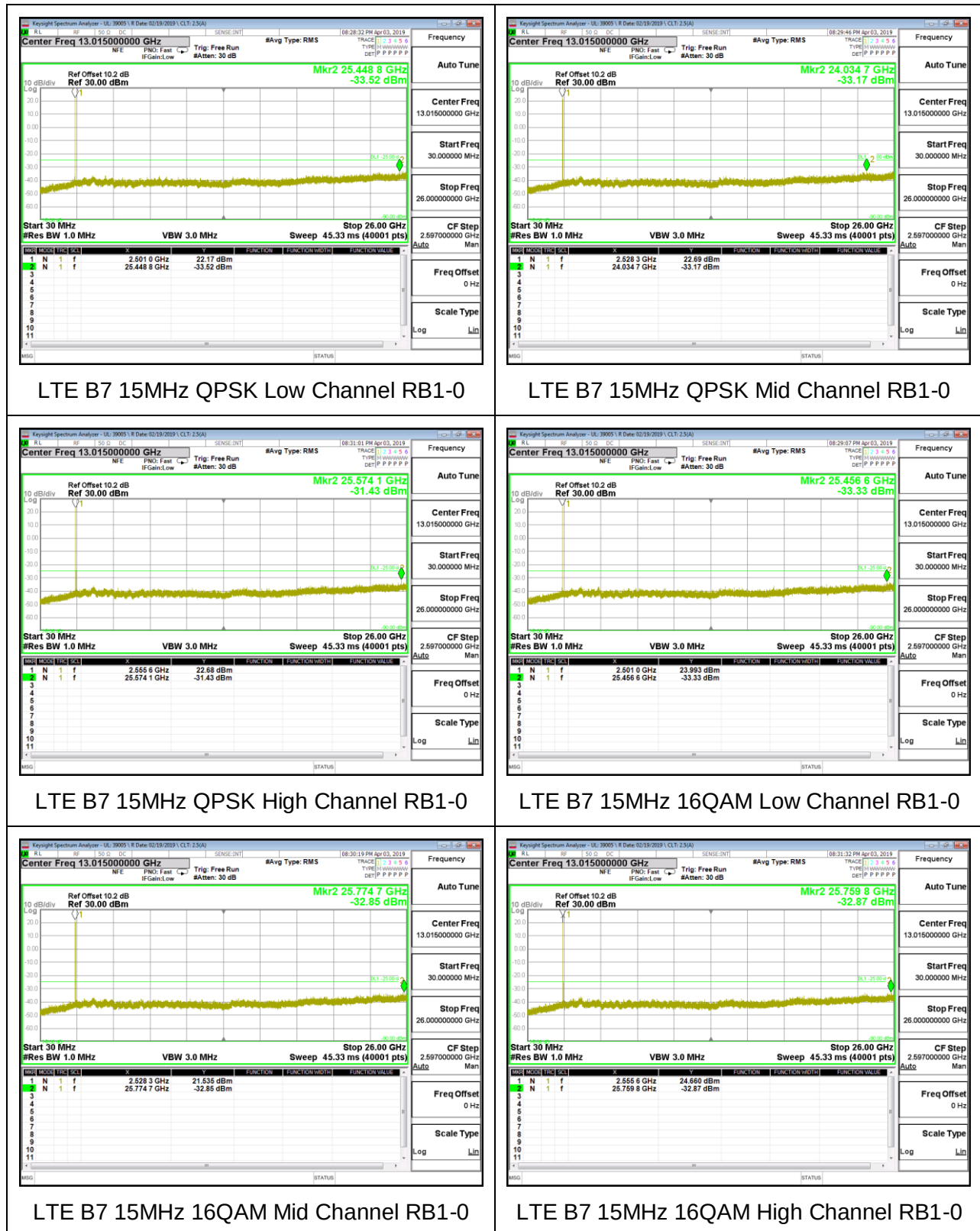
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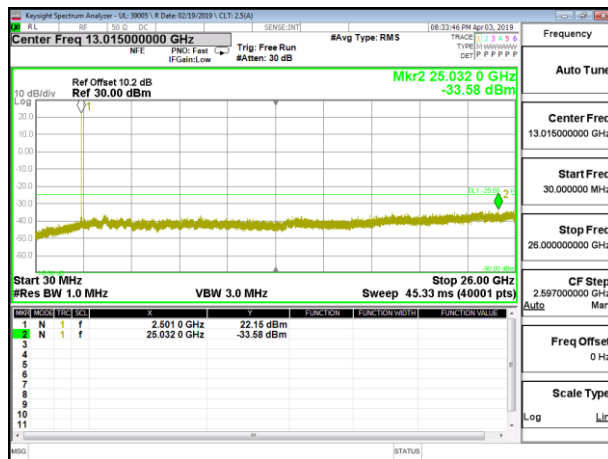


LTE B7 10MHz 16QAM Mid Channel RB1-0

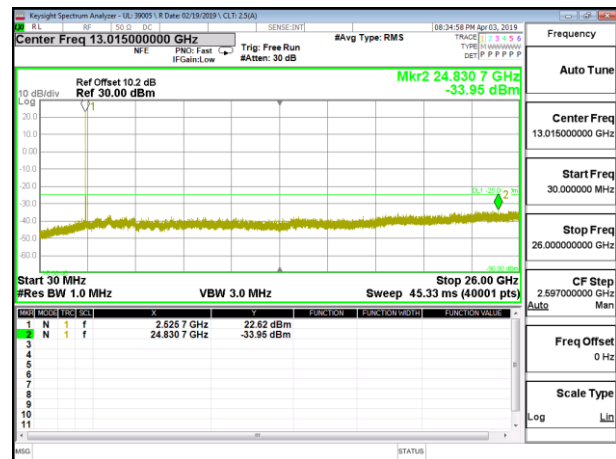


LTE B7 10MHz 16QAM High Channel RB1-0

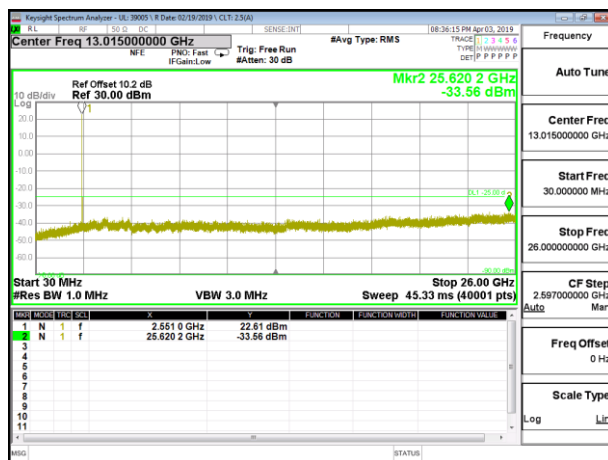




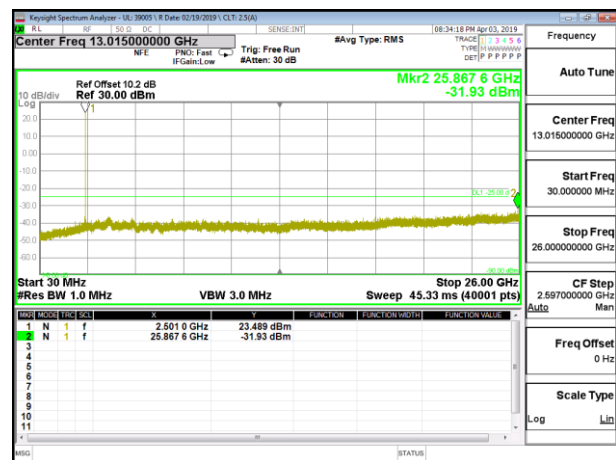
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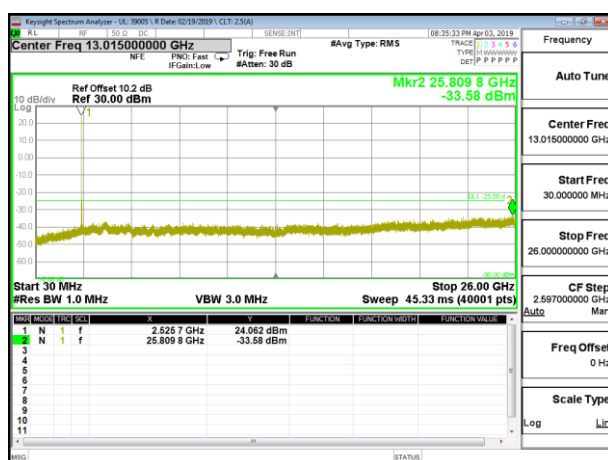
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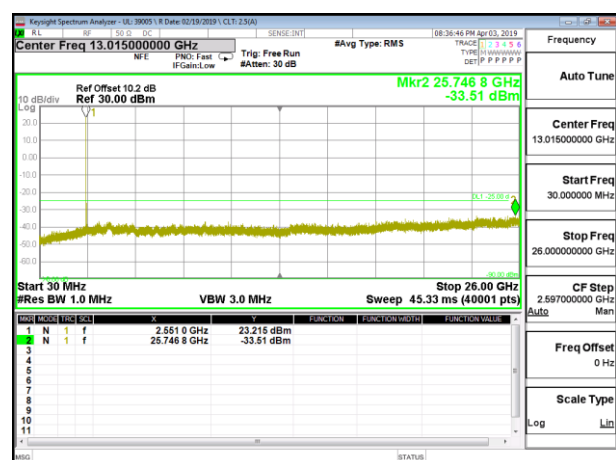
LTE B7 20MHz QPSK High Channel RB1-0



LTE B7 20MHz 16QAM Low Channel RB1-0



LTE B7 20MHz 16QAM Mid Channel RB1-0



LTE B7 20MHz 16QAM High Channel RB1-0

8.3.10. LTE BAND 12

