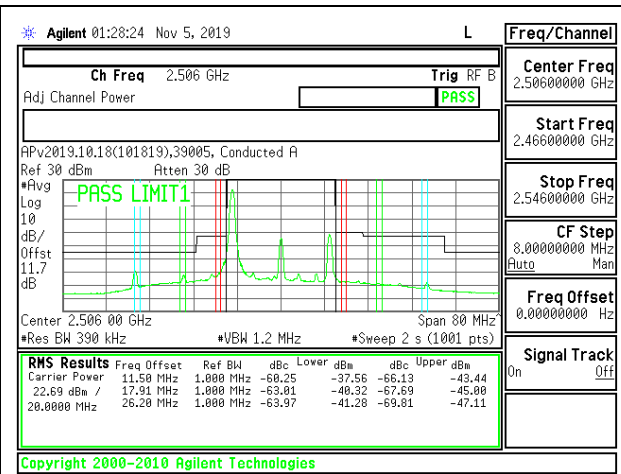
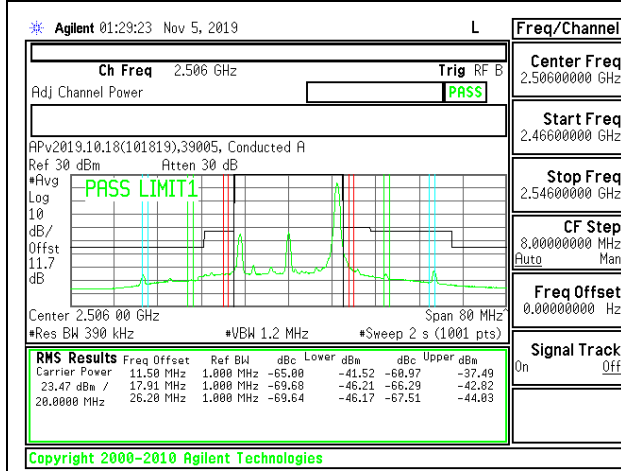


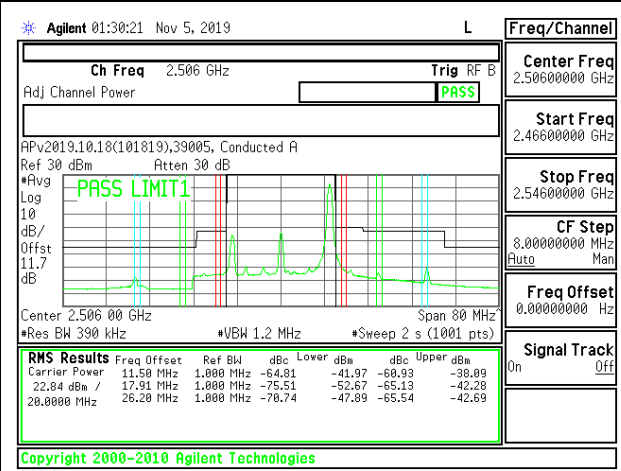
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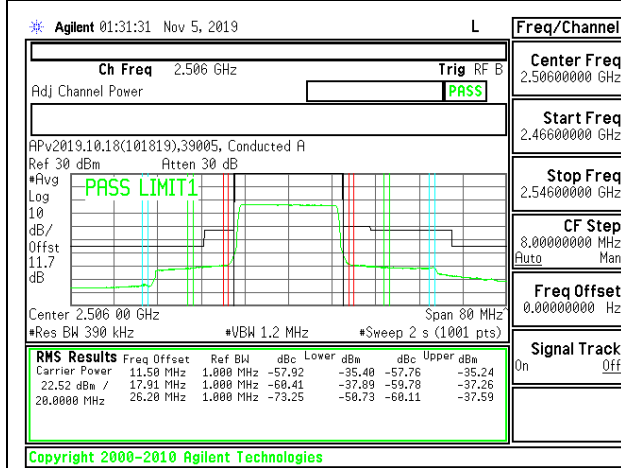
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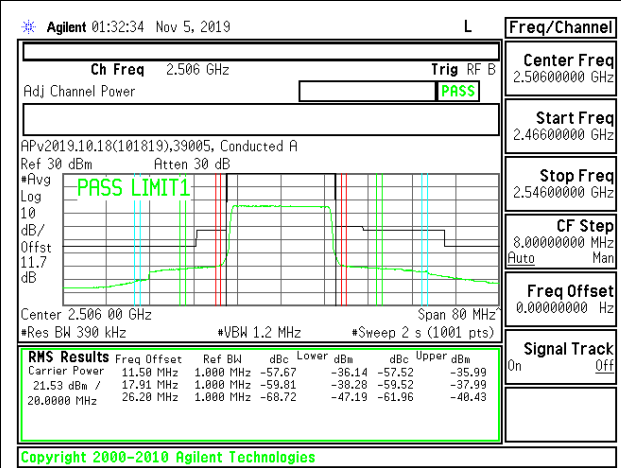
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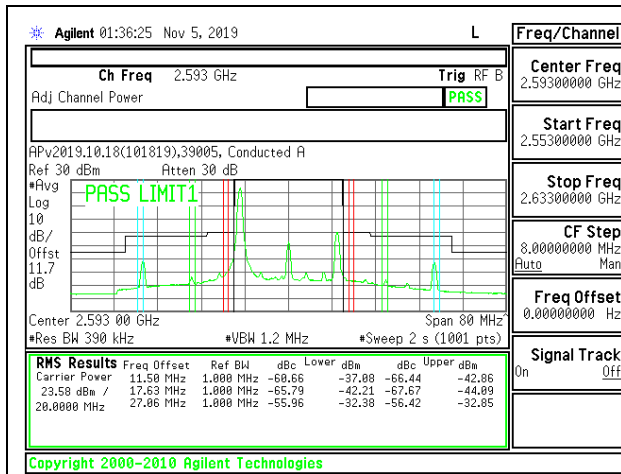
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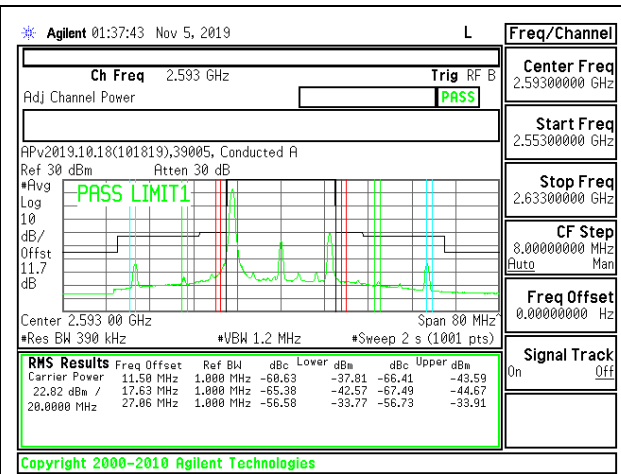
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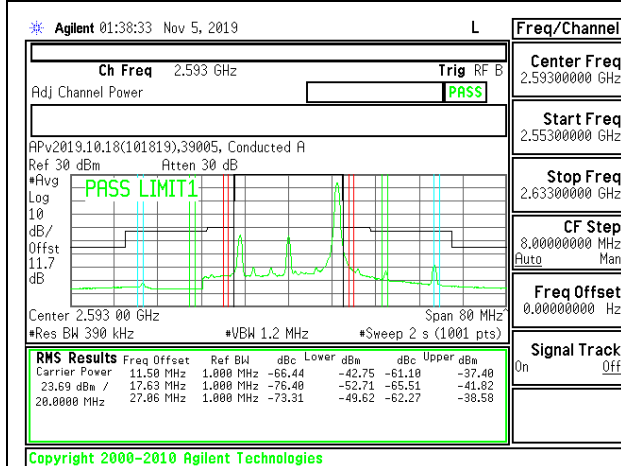
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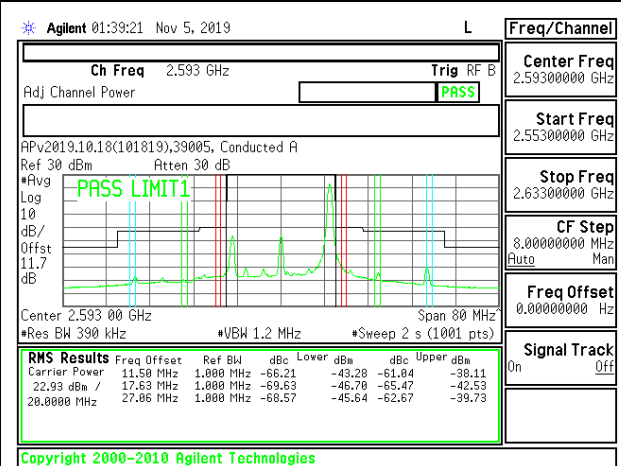
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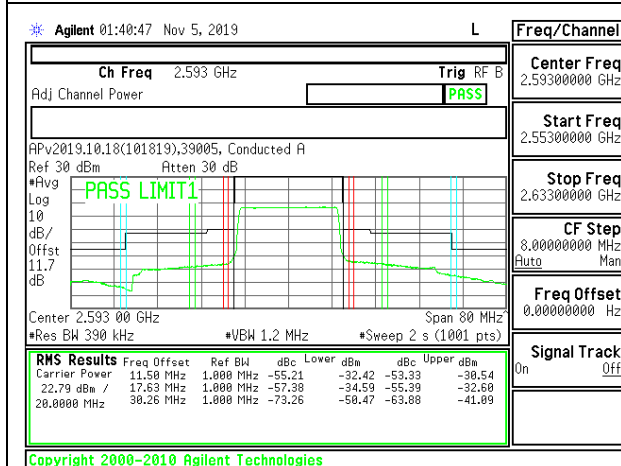
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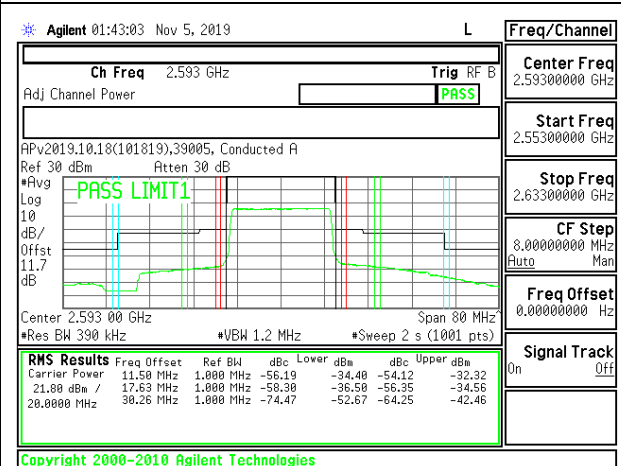
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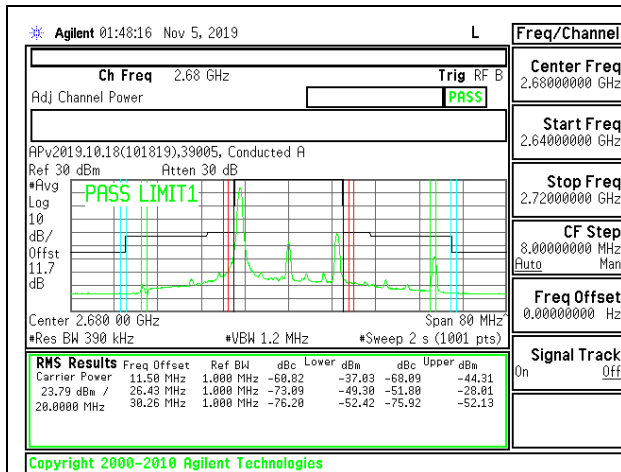
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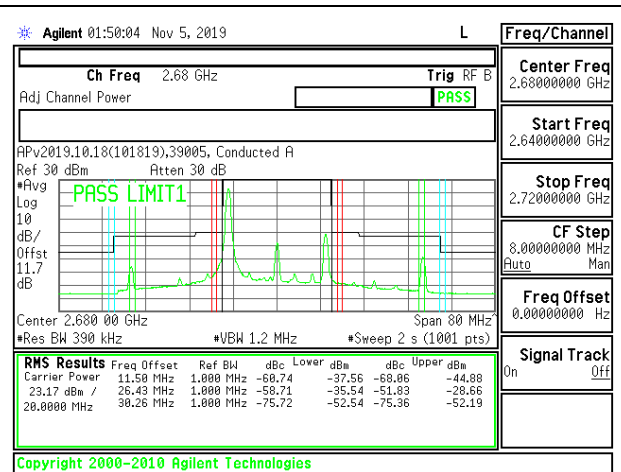
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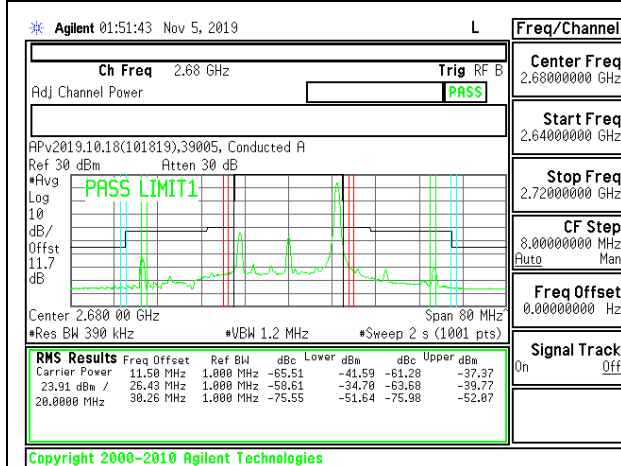
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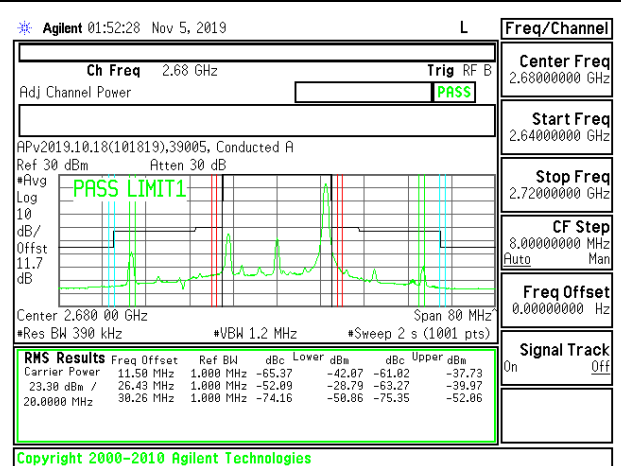
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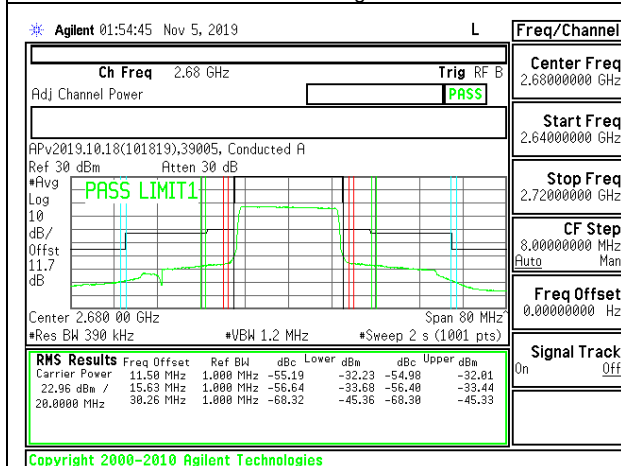
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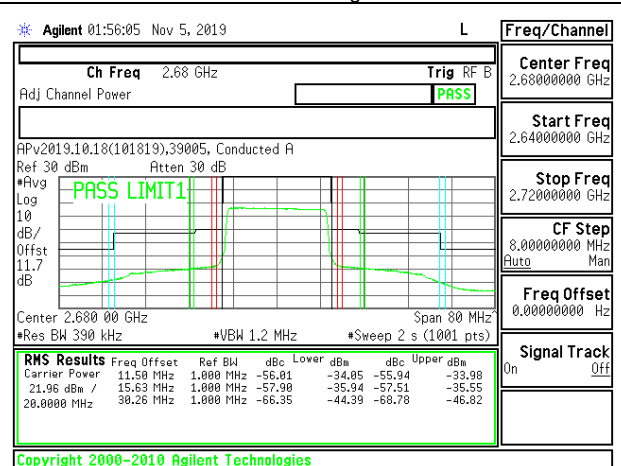
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LTE B41 20MHz 16QAM High Channel RB1-99

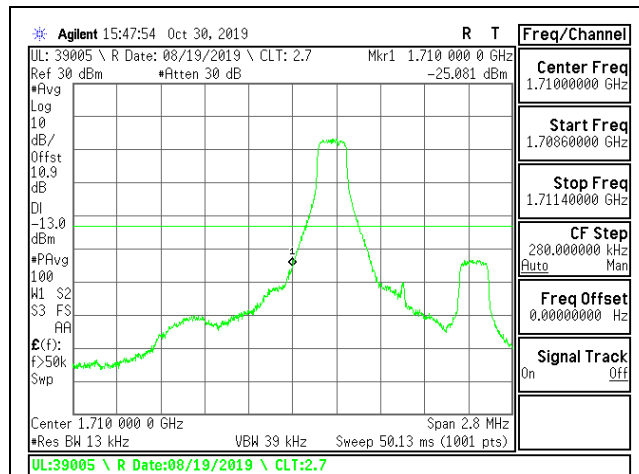


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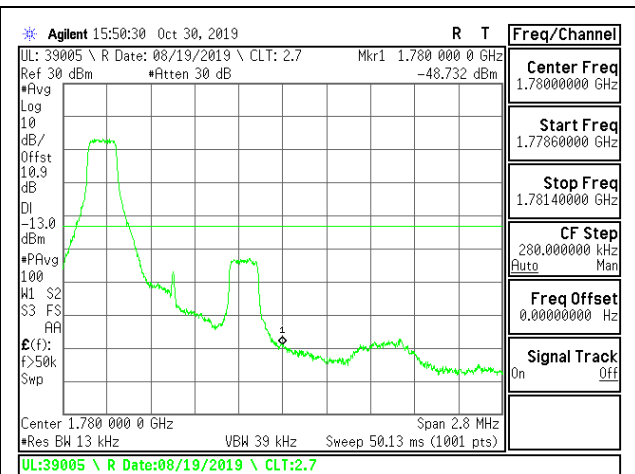


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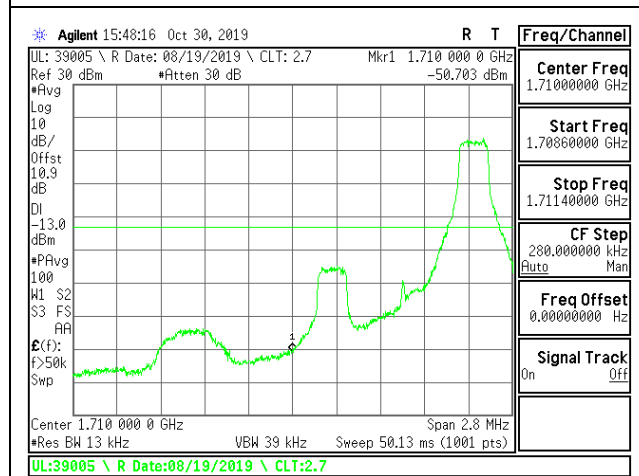
8.2.12. LTE BAND 66 BANDEDGE



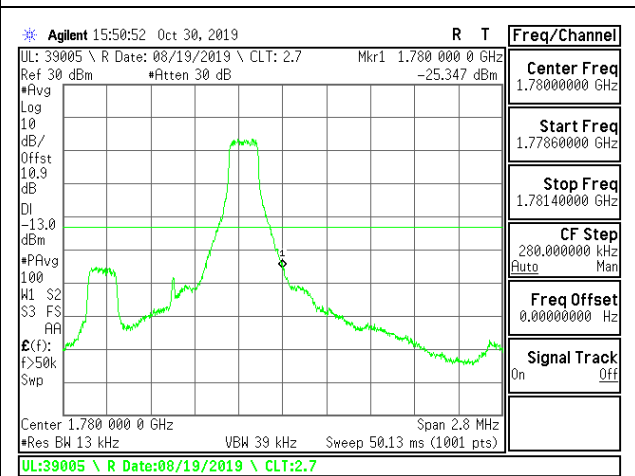
LTE B66 1.4MHz QPSK Low Channel RB1-0



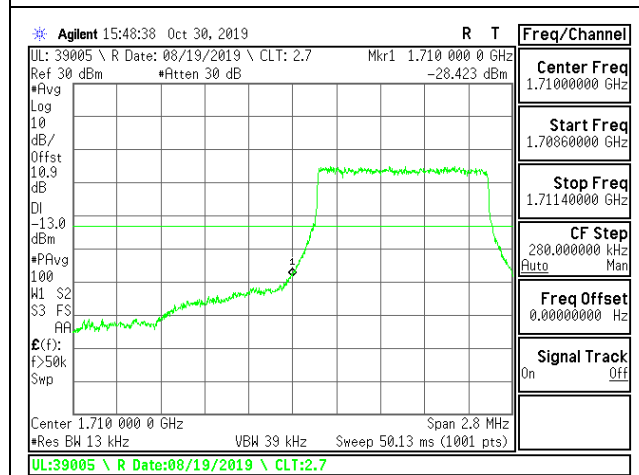
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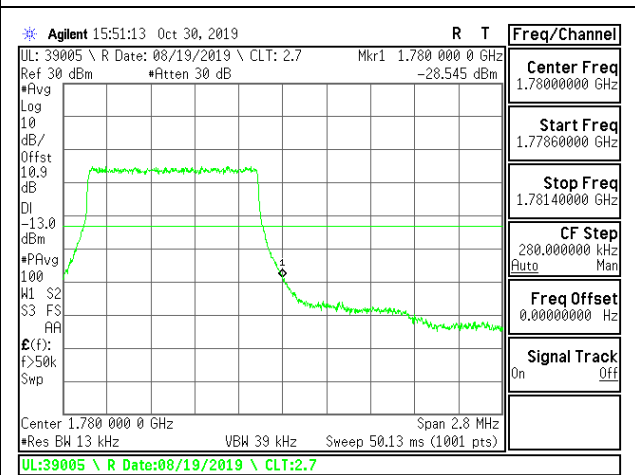
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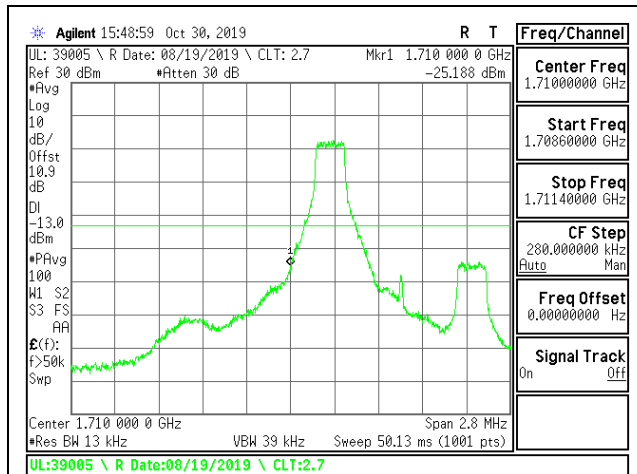
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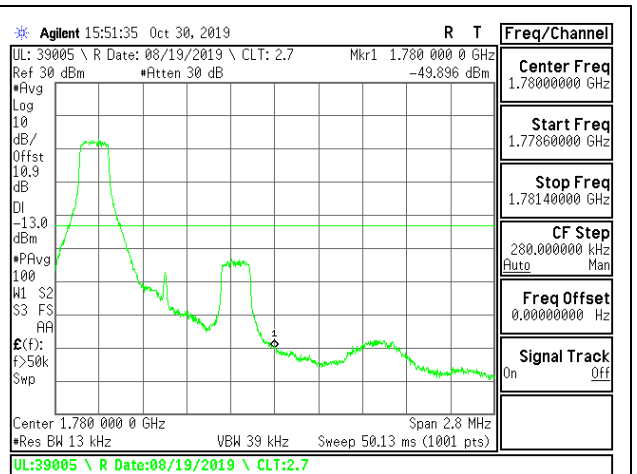
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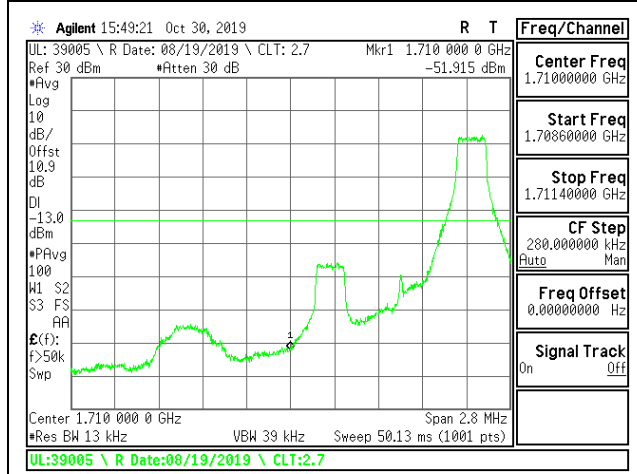
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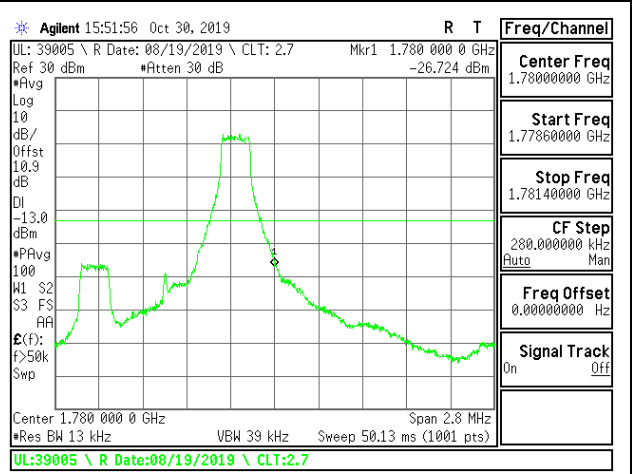
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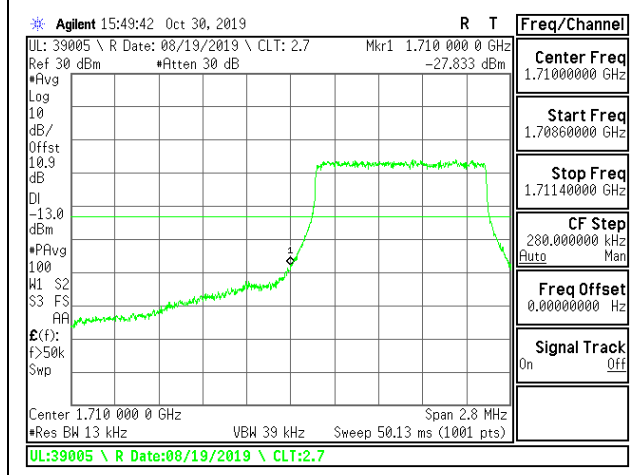
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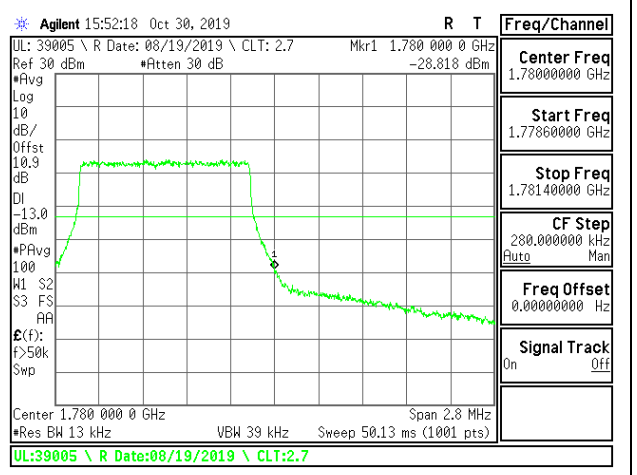
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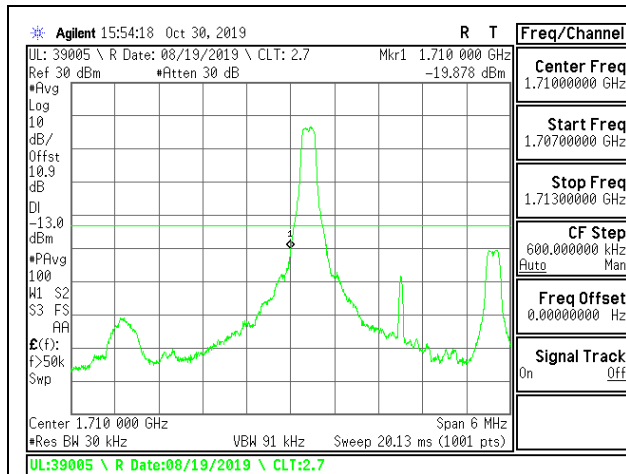
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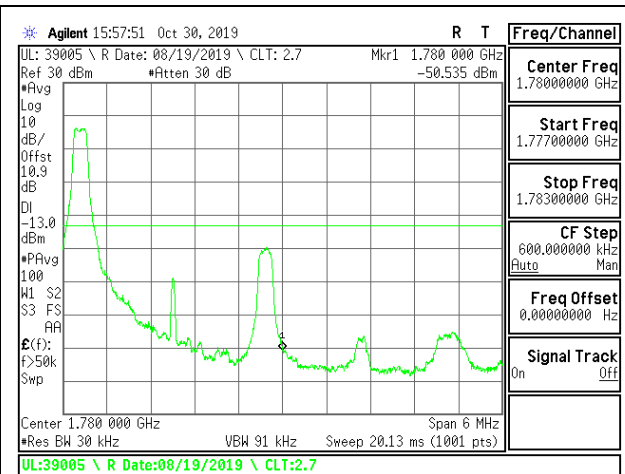
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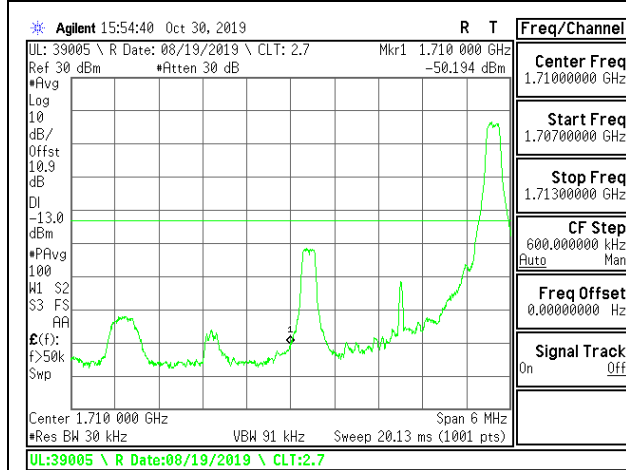
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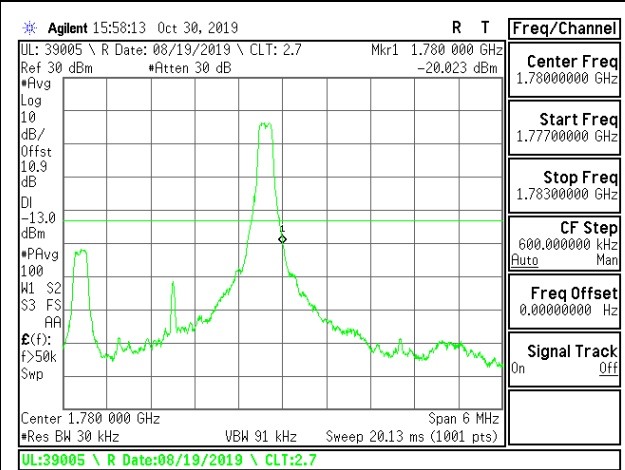
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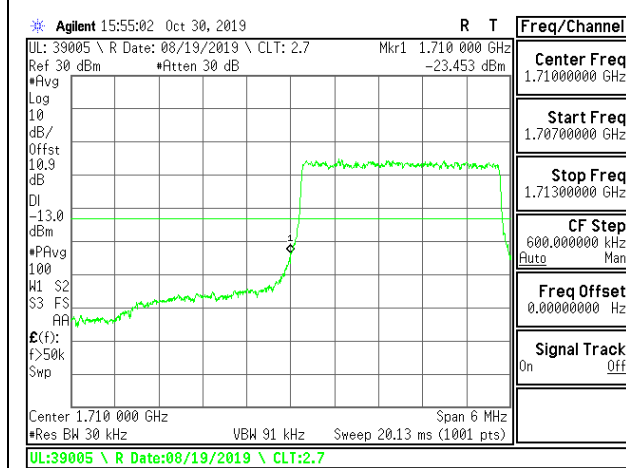
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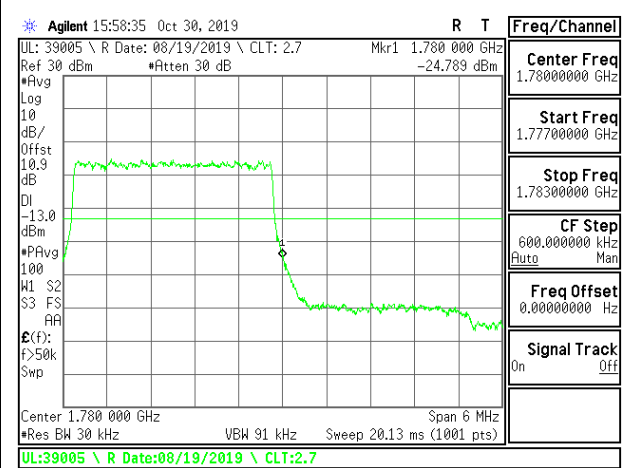
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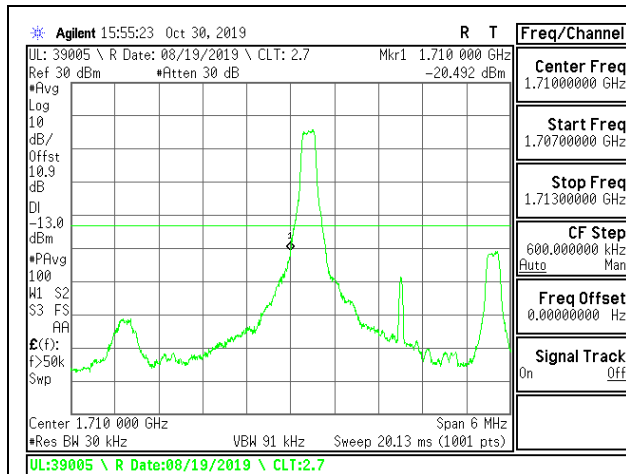
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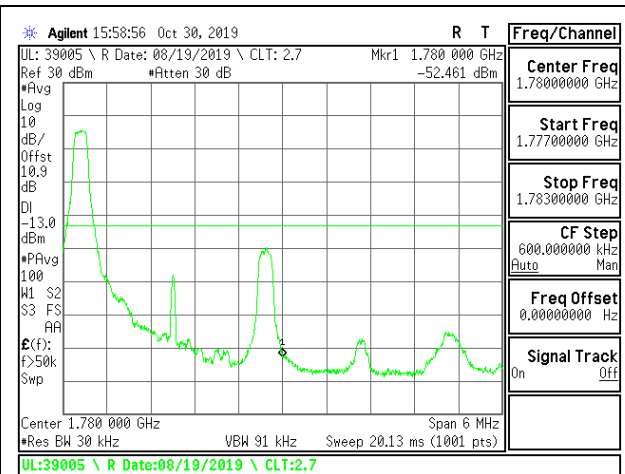
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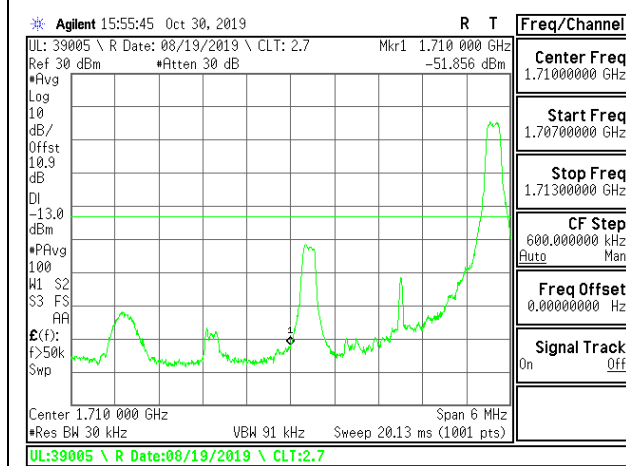
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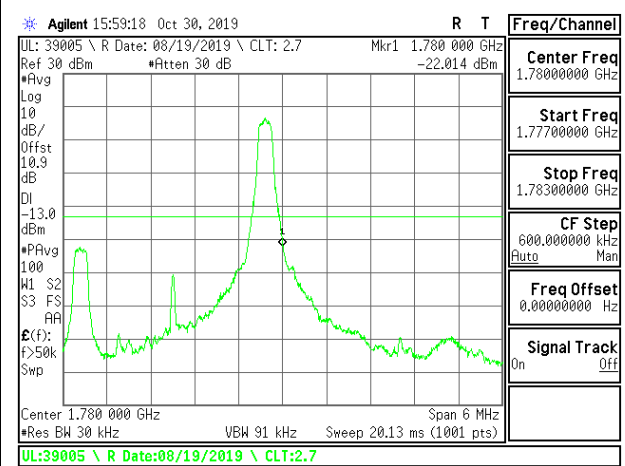
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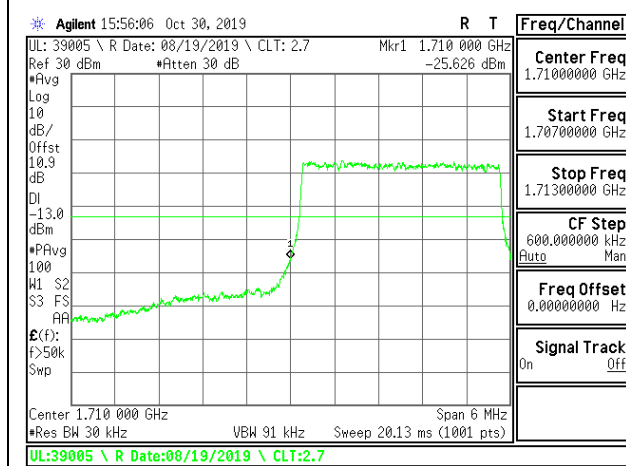
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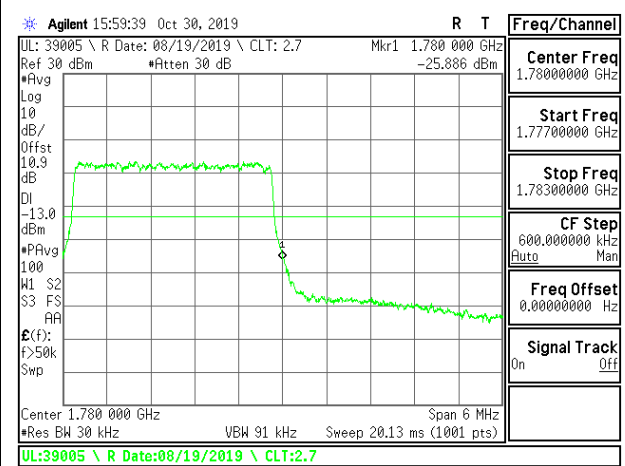
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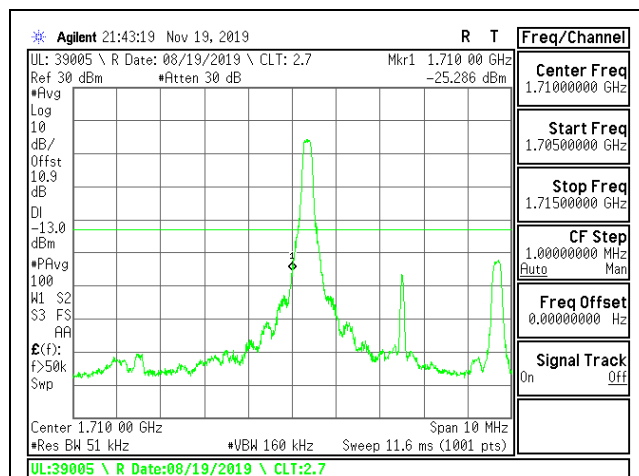
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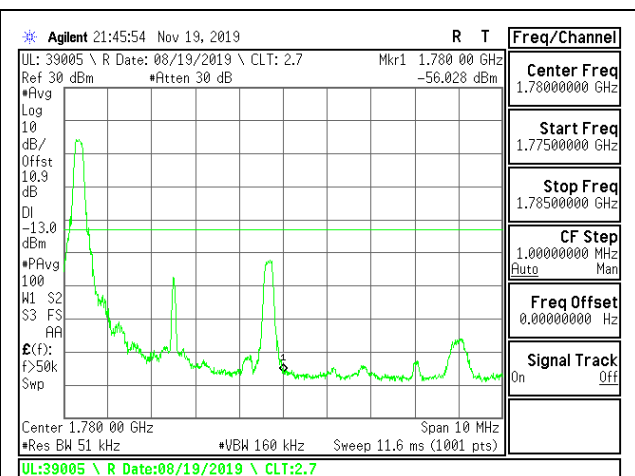
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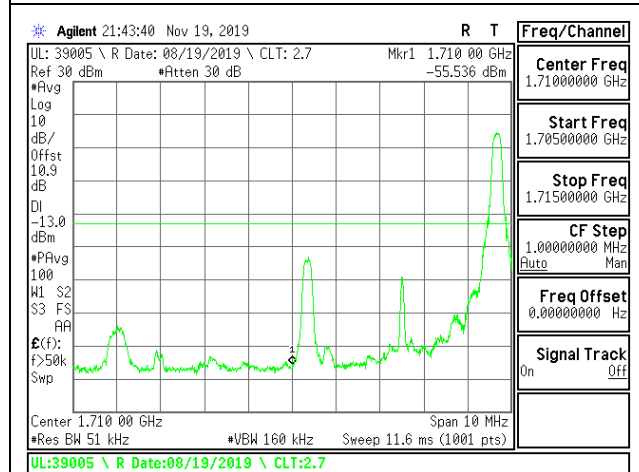
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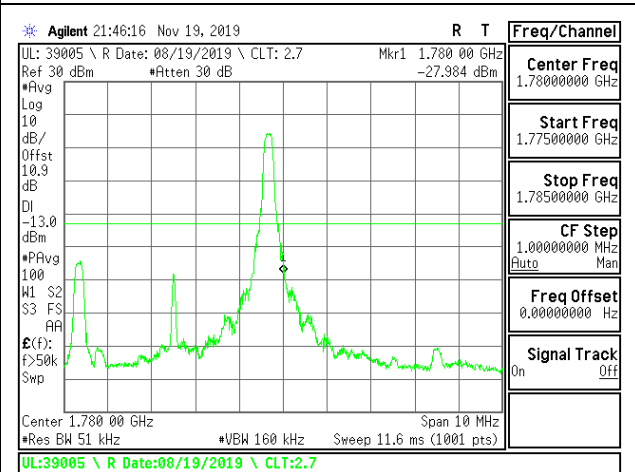
LTE B66 5MHz QPSK Low Channel RB1-0



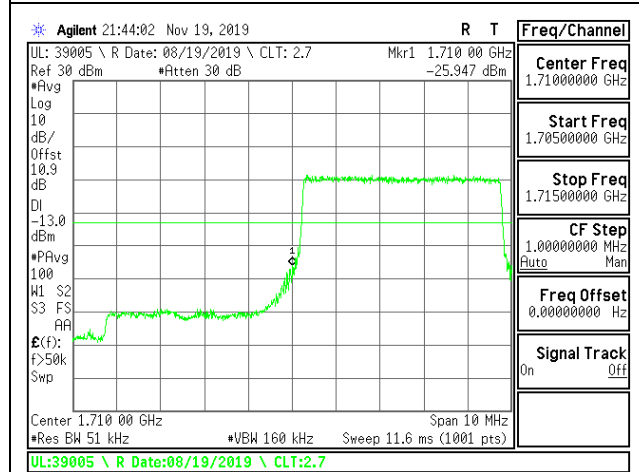
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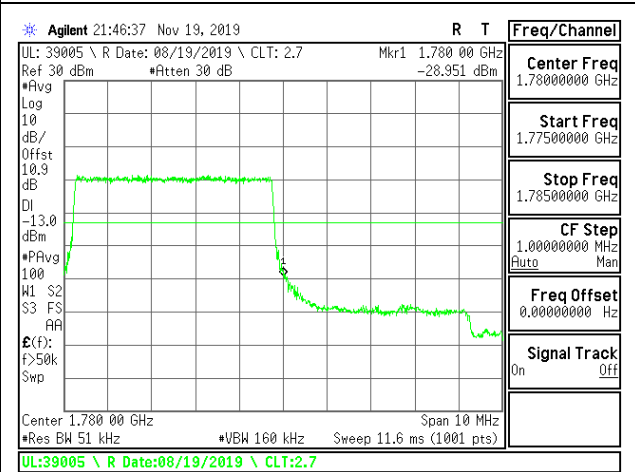
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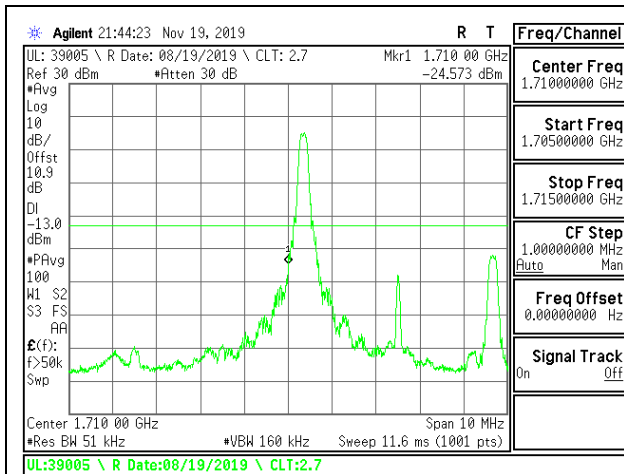
LTE B66 5MHz QPSK High Channel RB1-24



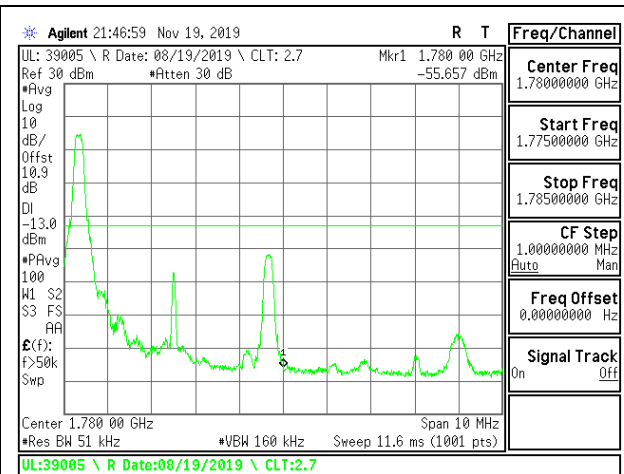
LTE B66 5MHz QPSK Low Channel RB25-0



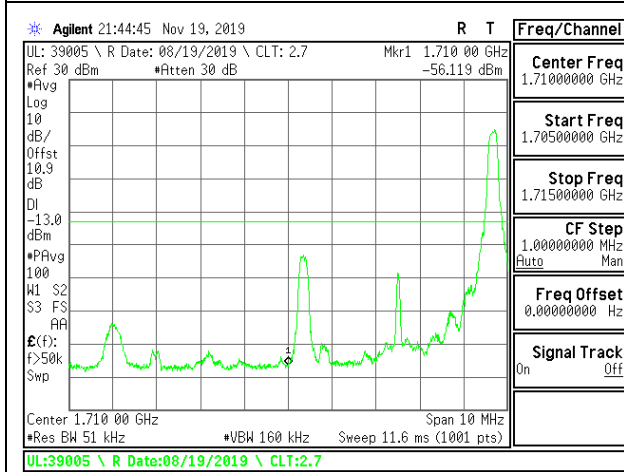
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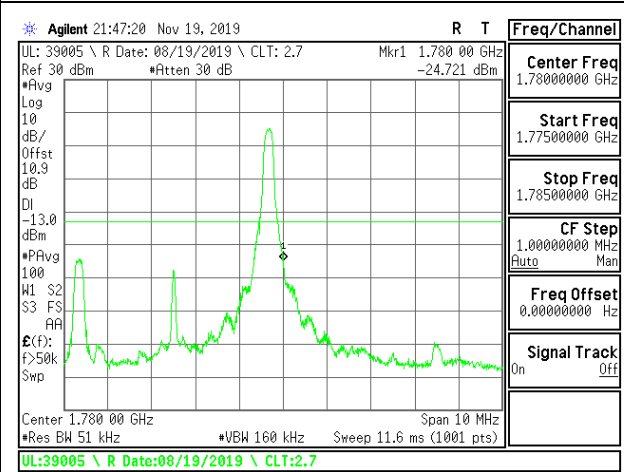
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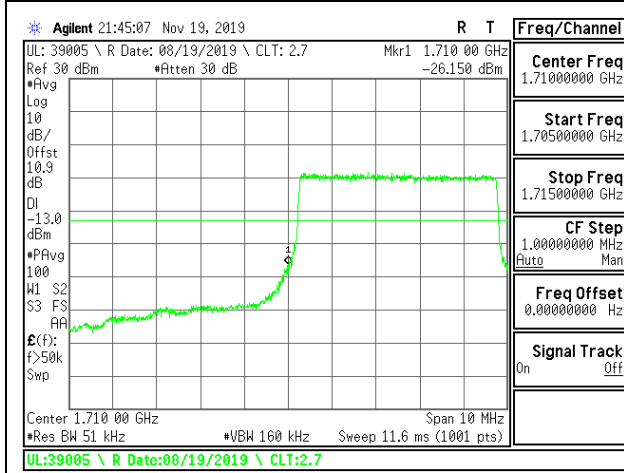
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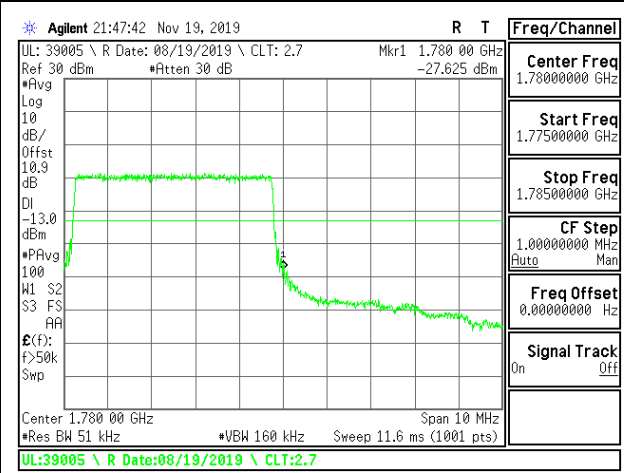
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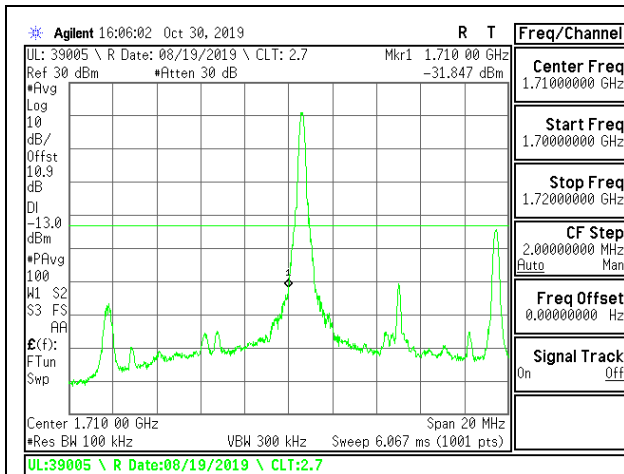
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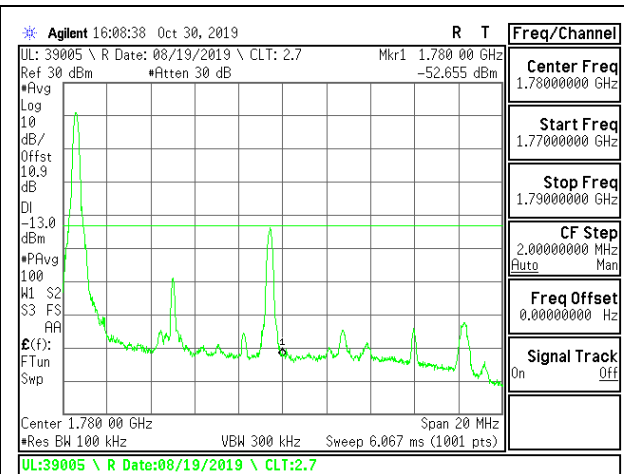
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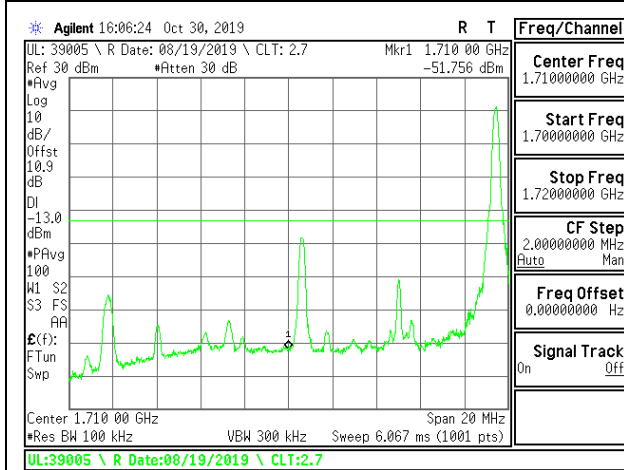
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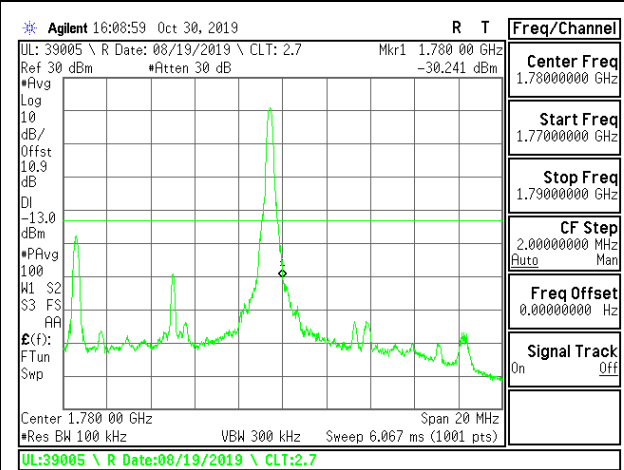
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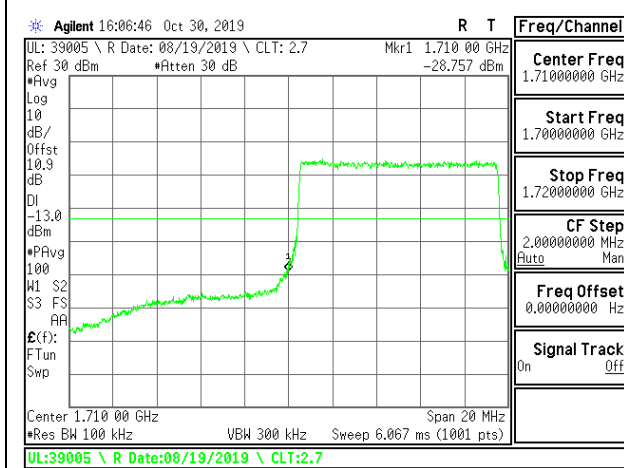
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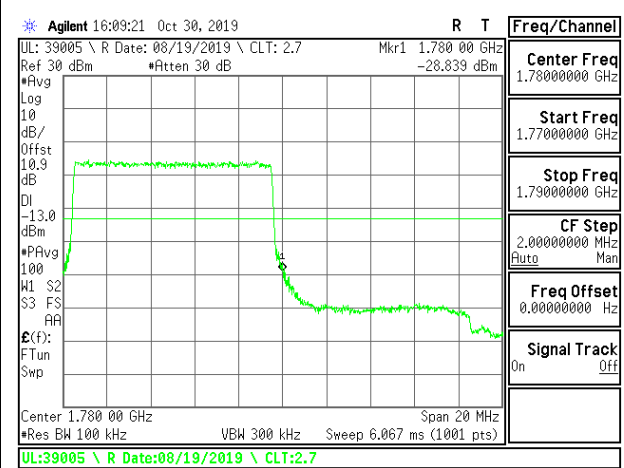
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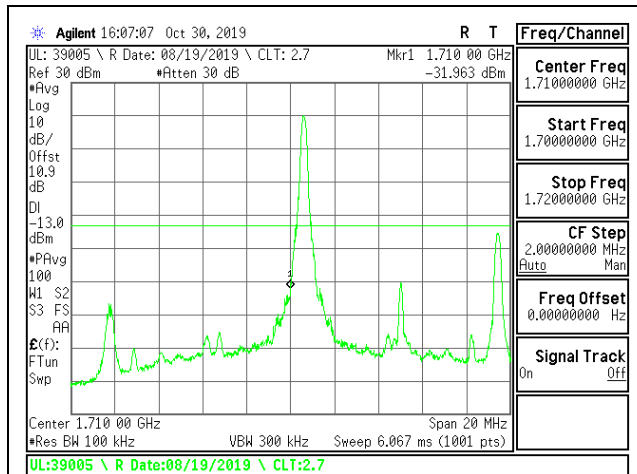
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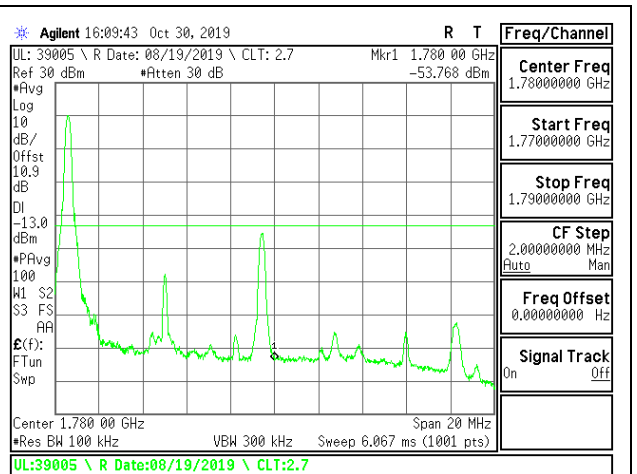
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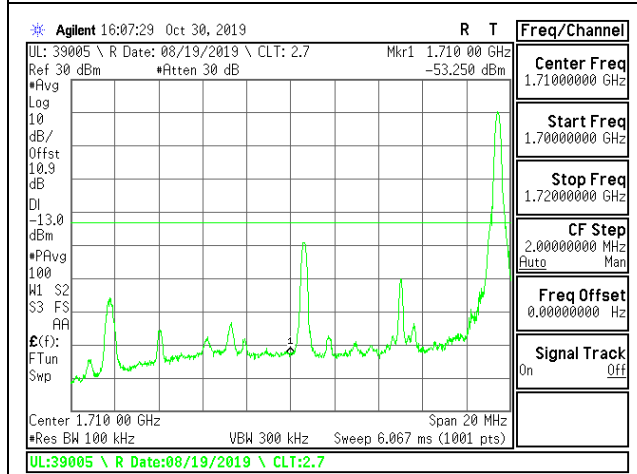
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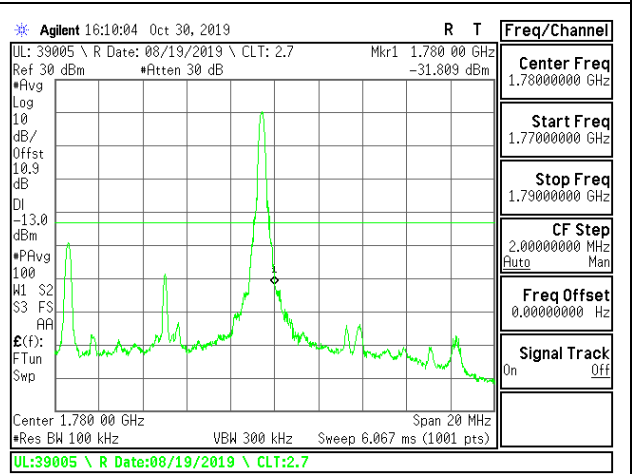
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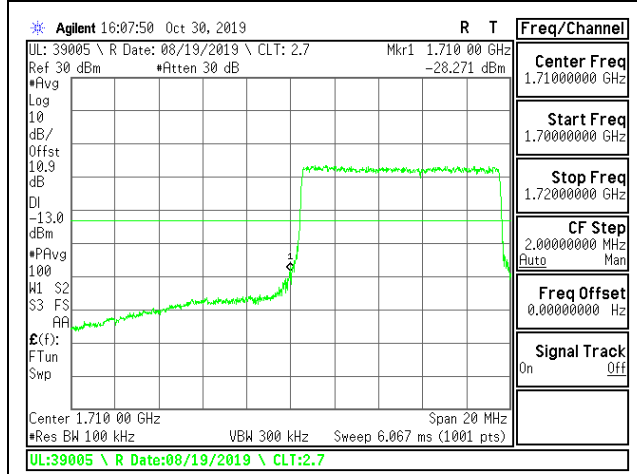
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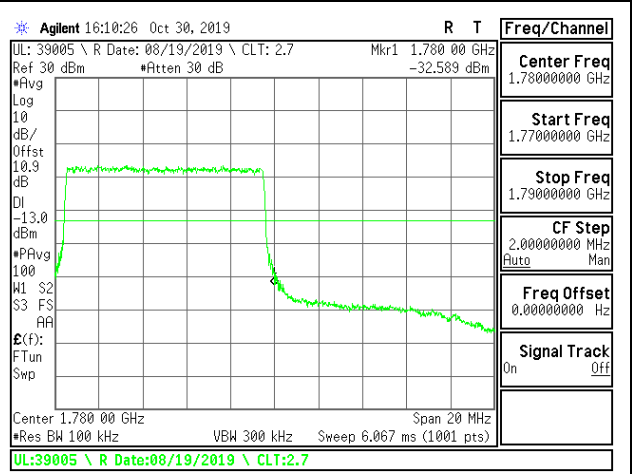
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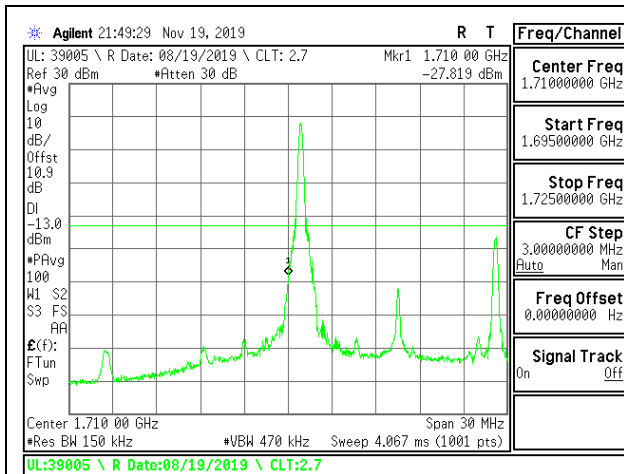
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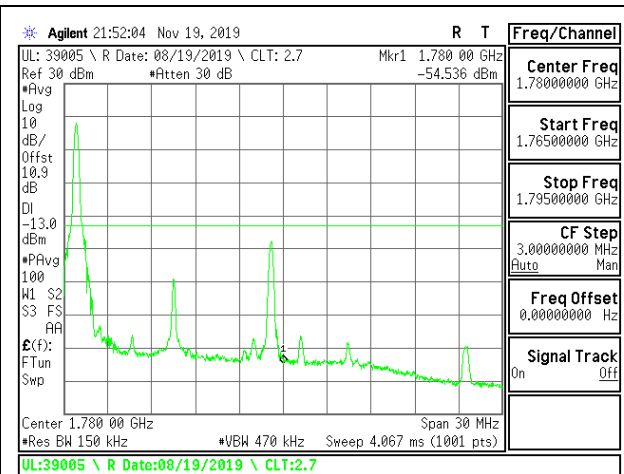
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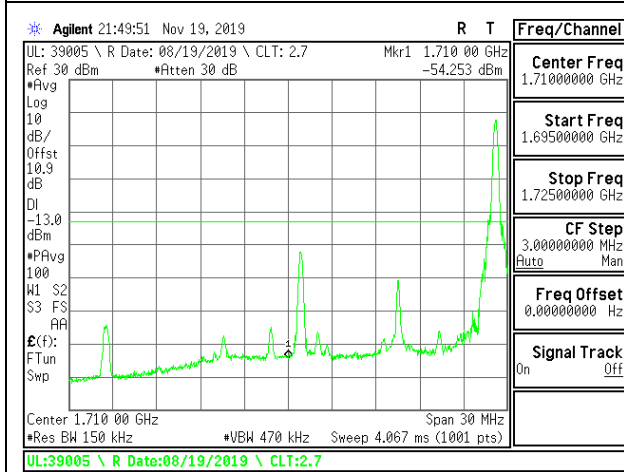
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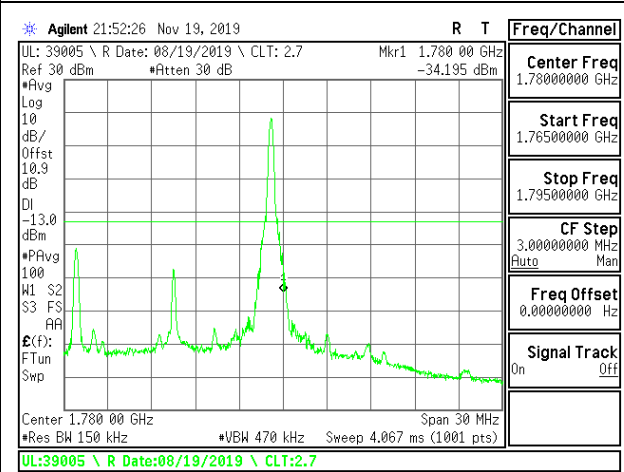
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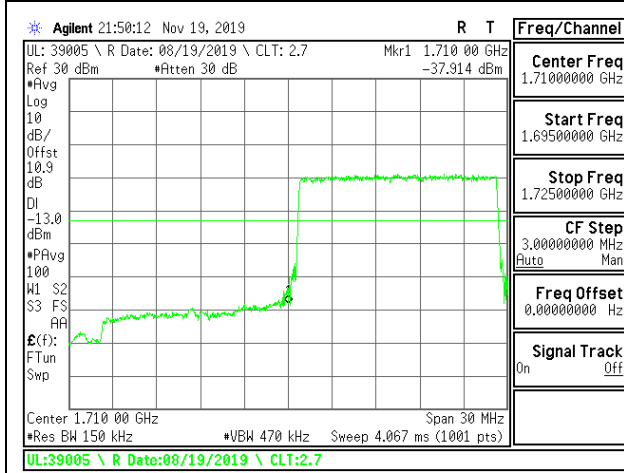
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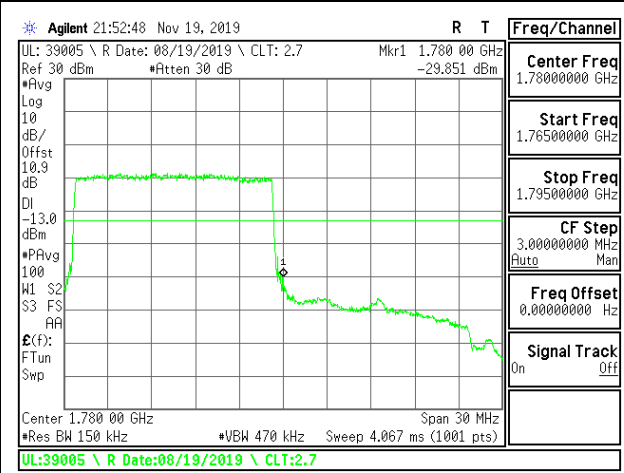
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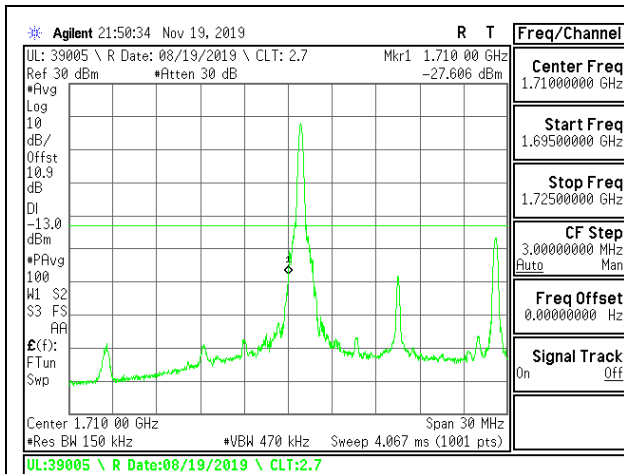
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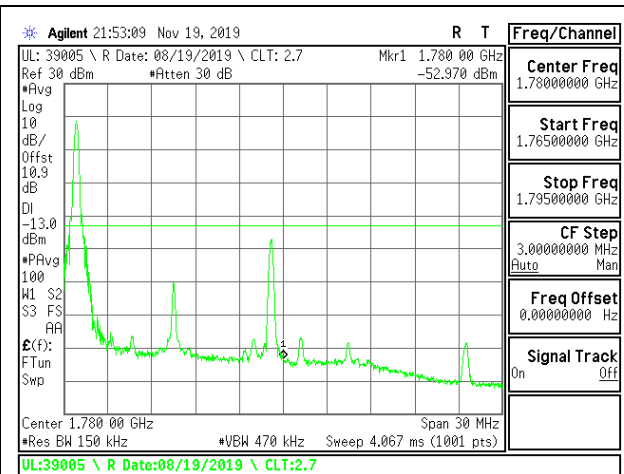
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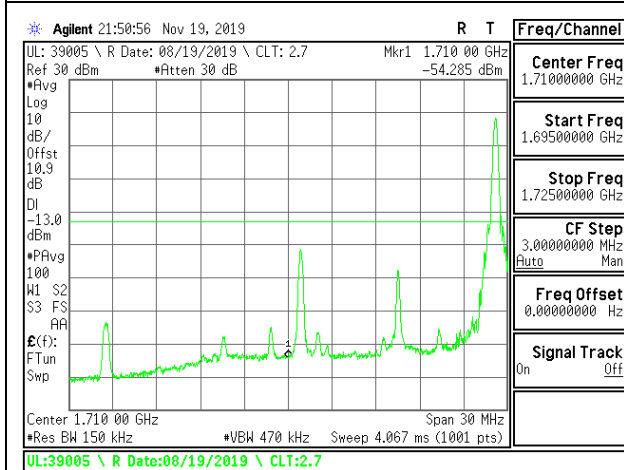
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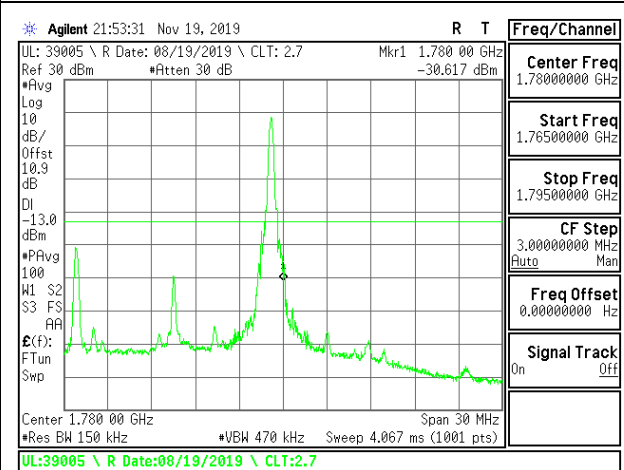
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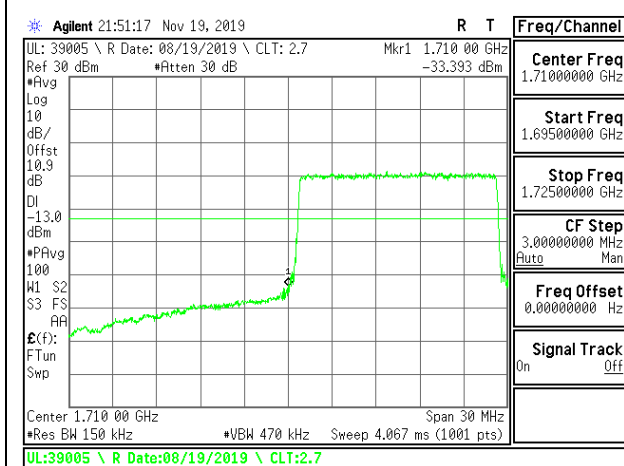
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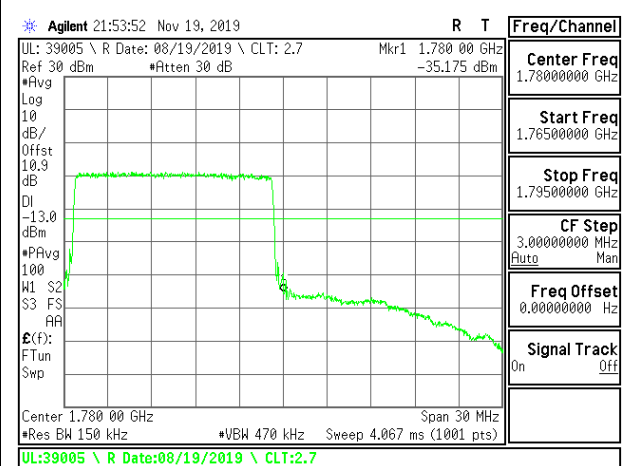
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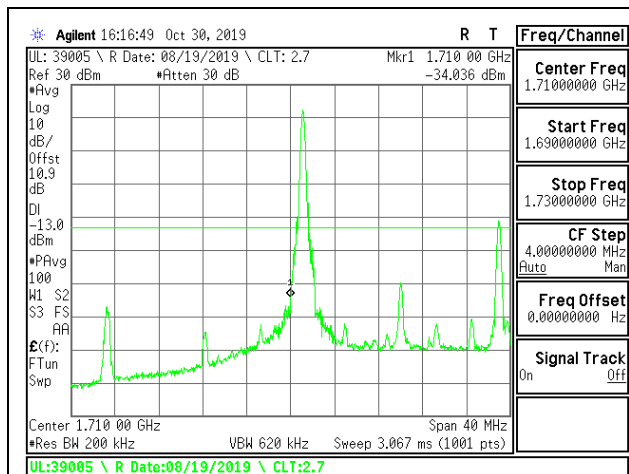
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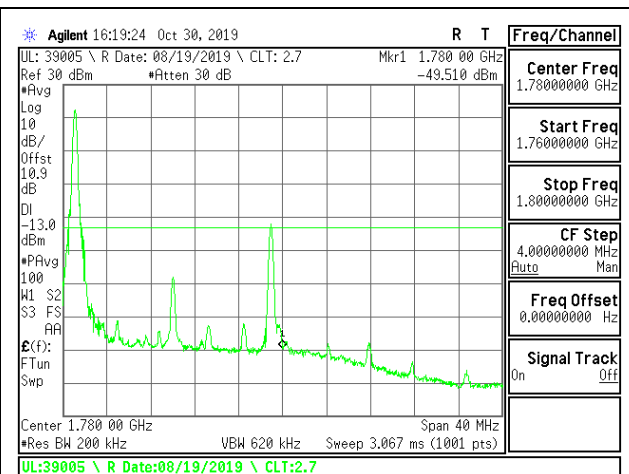
LTE B66 15MHz 16QAM Low Channel RB75-0



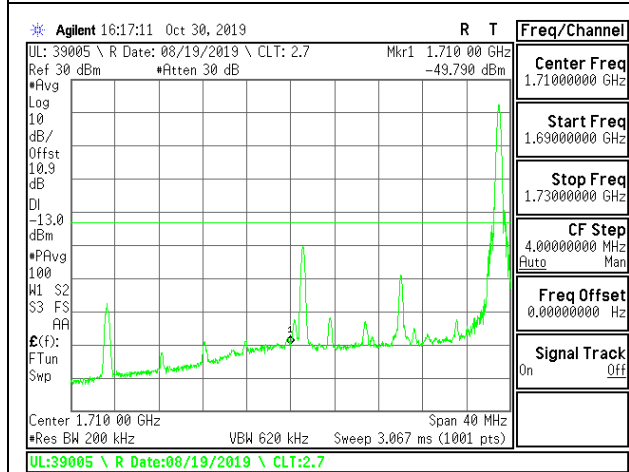
LTE B66 15MHz 16QAM High Channel RB75-0



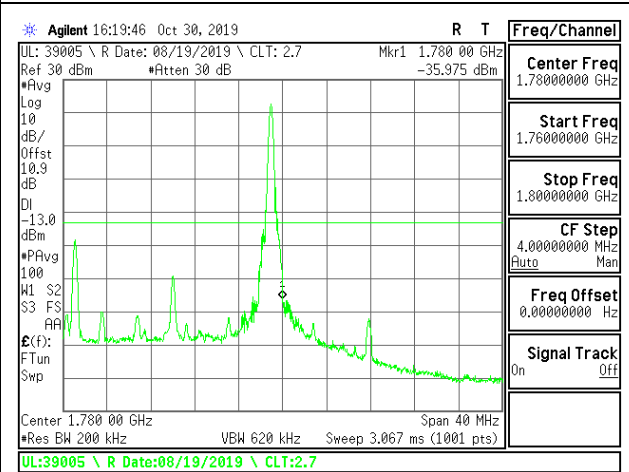
LTE B66 20MHz QPSK Low Channel RB1-0



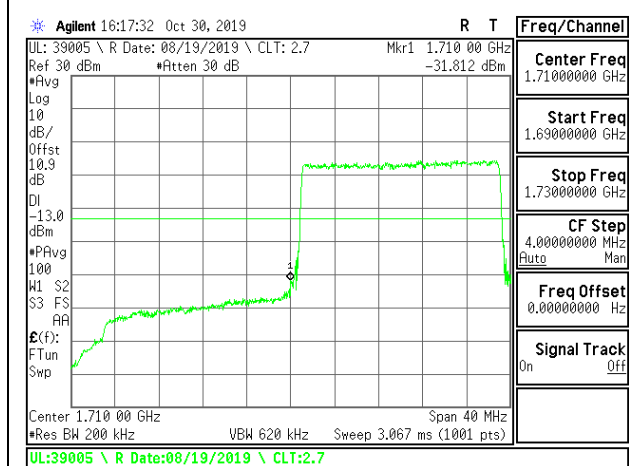
LTE B66 20MHz QPSK High Channel RB1-0



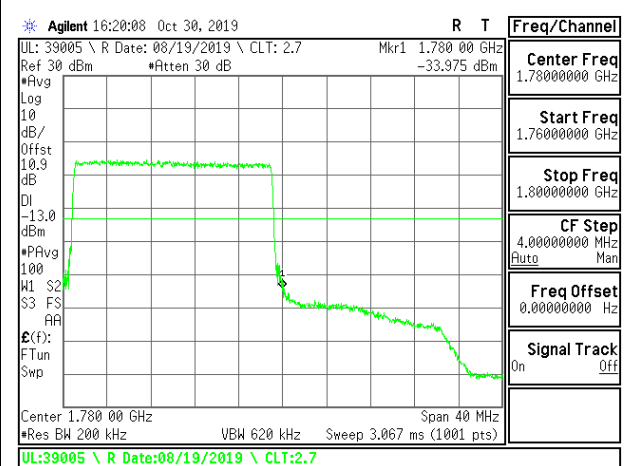
LTE B66 20MHz QPSK Low Channel RB1-99



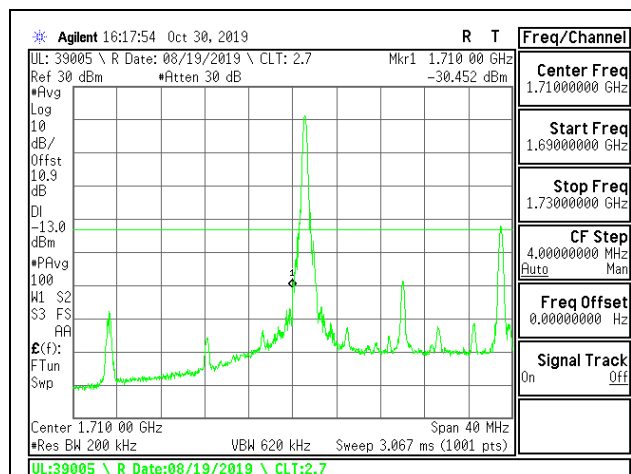
LTE B66 20MHz QPSK High Channel RB1-99



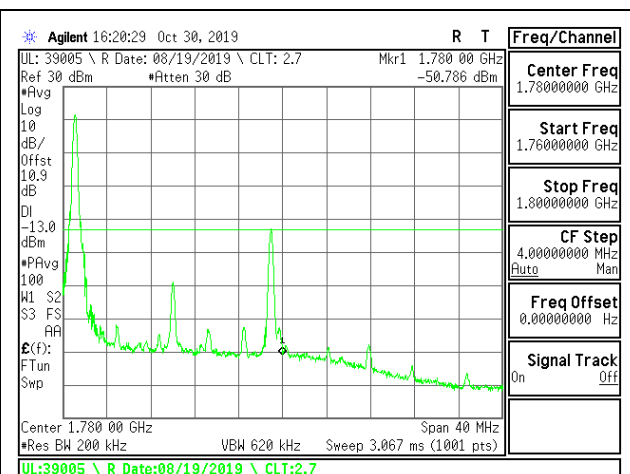
LTE B66 20MHz QPSK Low Channel RB100-0



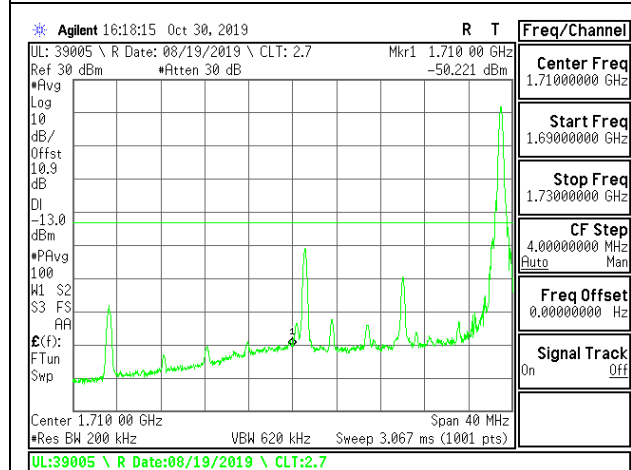
LTE B66 20MHz QPSK High Channel RB100-0



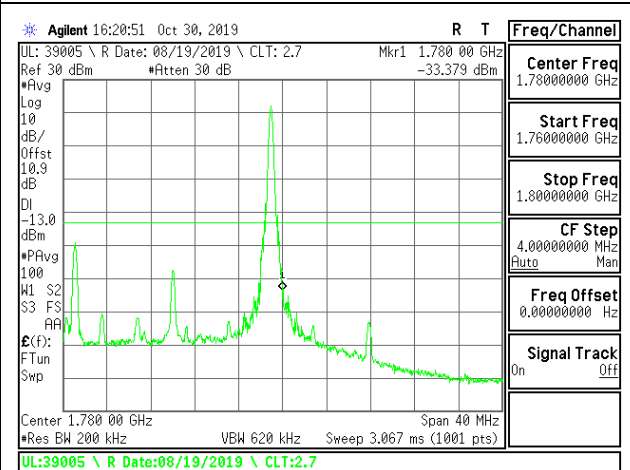
LTE B66 20MHz 16QAM Low Channel RB1-0



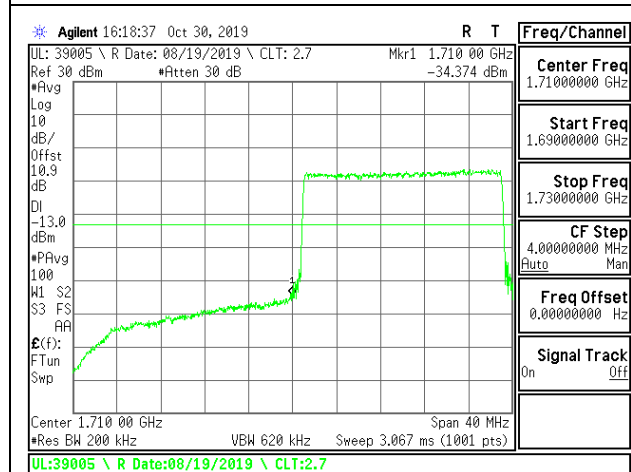
LTE B66 20MHz 16QAM High Channel RB1-0



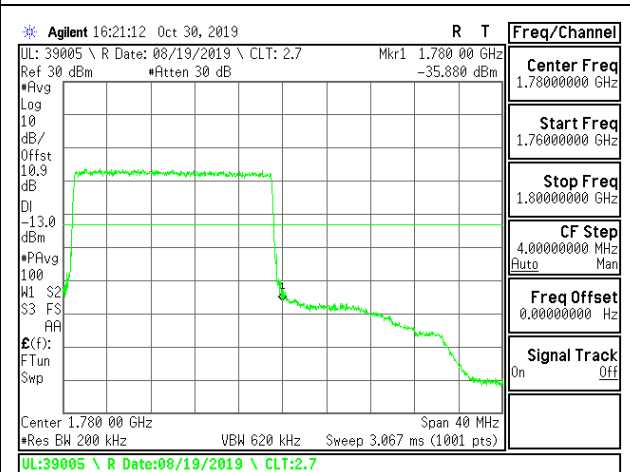
LTE B66 20MHz 16QAM Low Channel RB1-99



LTE B66 20MHz 16QAM High Channel RB1-99



LTE B66 20MHz 16QAM Low Channel RB100-0



LTE B66 20MHz 16QAM High Channel RB100-0

8.3. OUT OF BAND EMISSIONS

RULE PART(S)

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

LIMITS

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

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

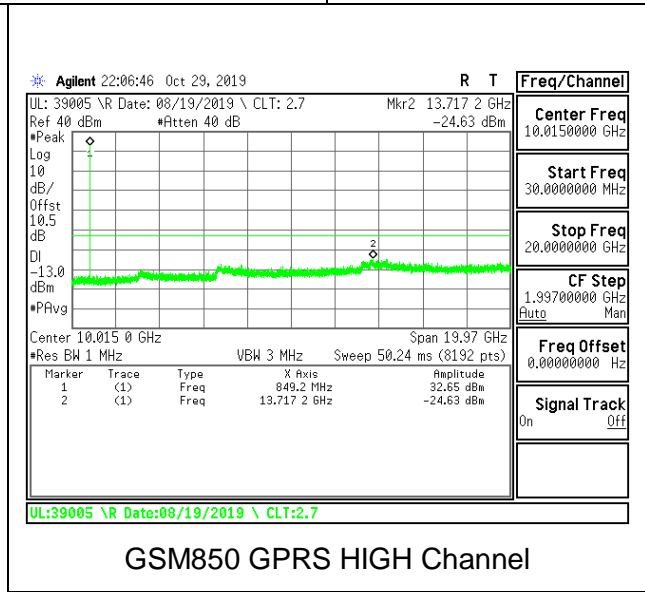
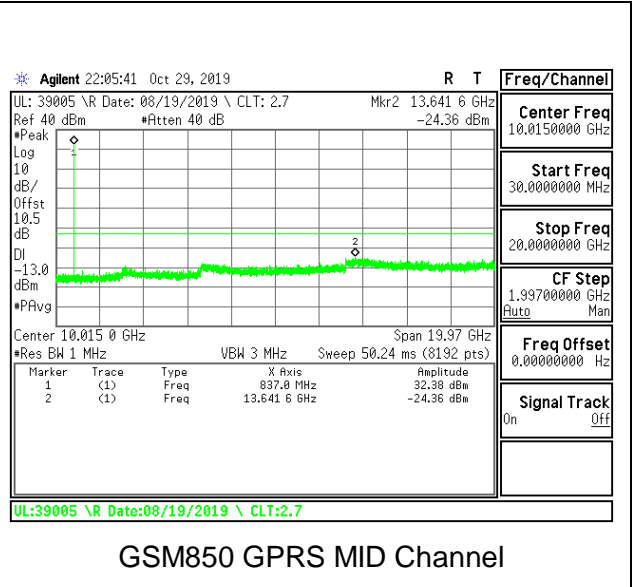
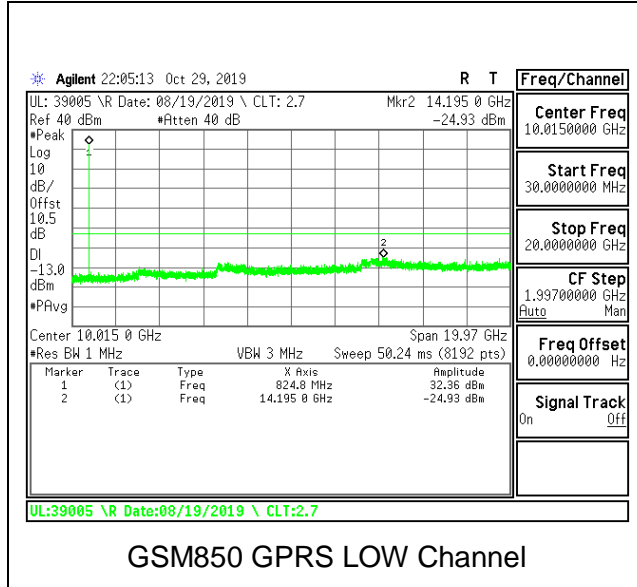
The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

For each out of band emissions measurement:

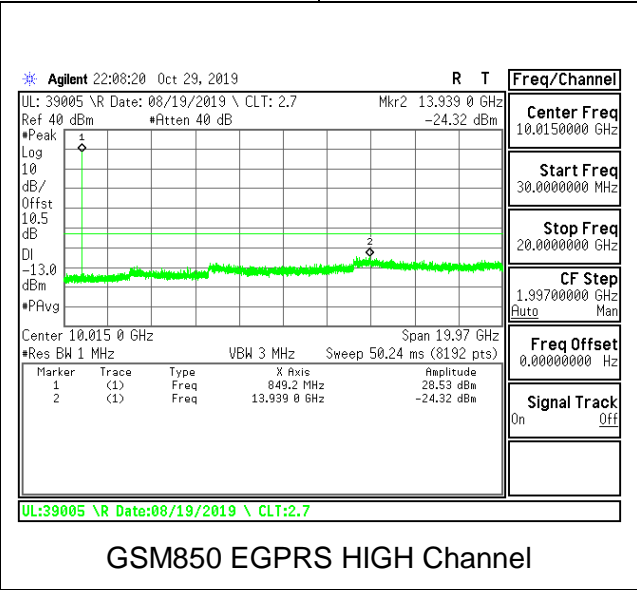
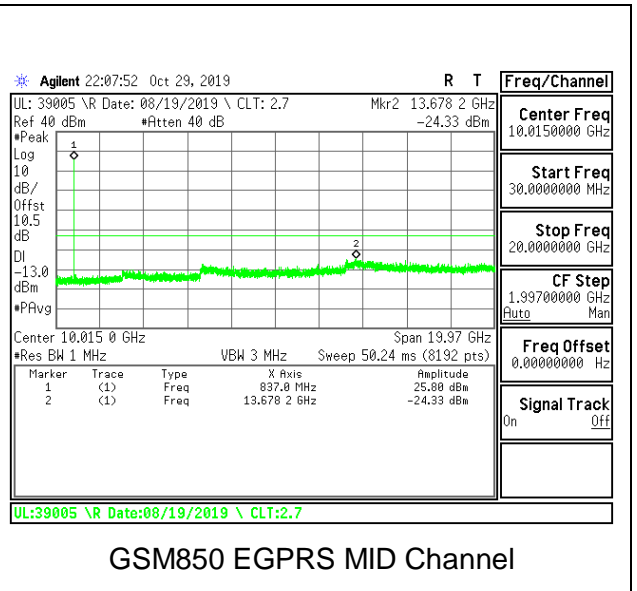
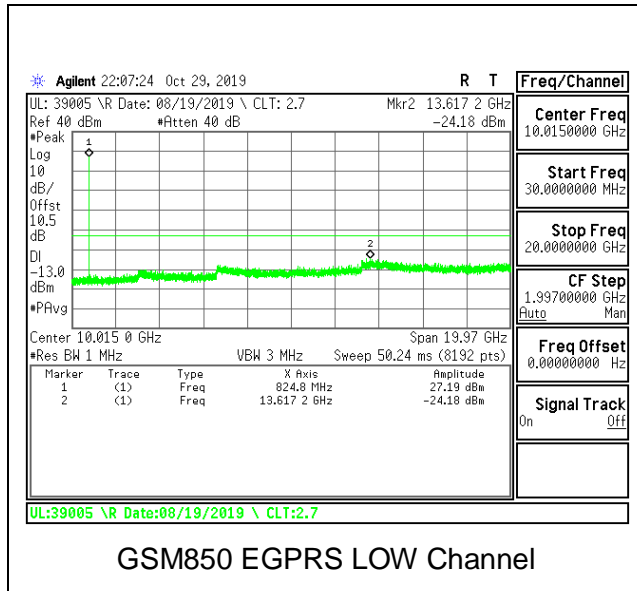
- Set display line at -13 dBm, -25 dBm, and -40 dBm according to the band limit
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz. (NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

RESULTS

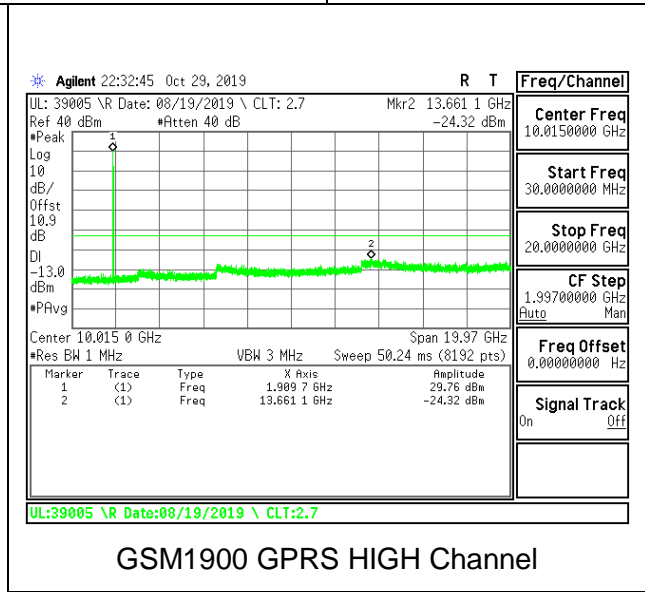
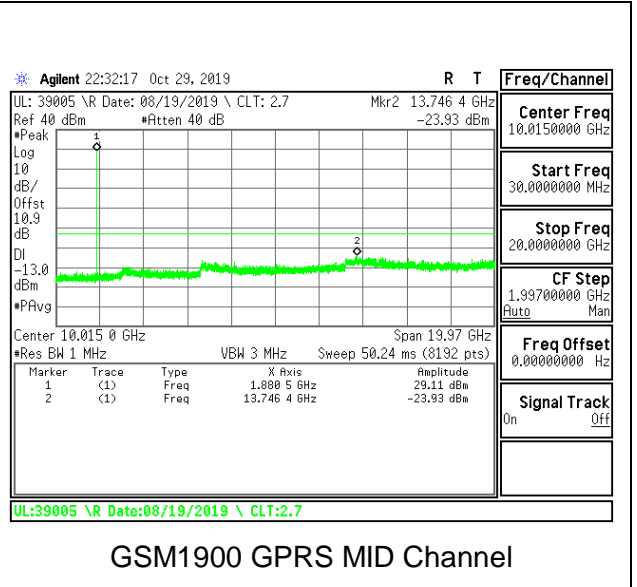
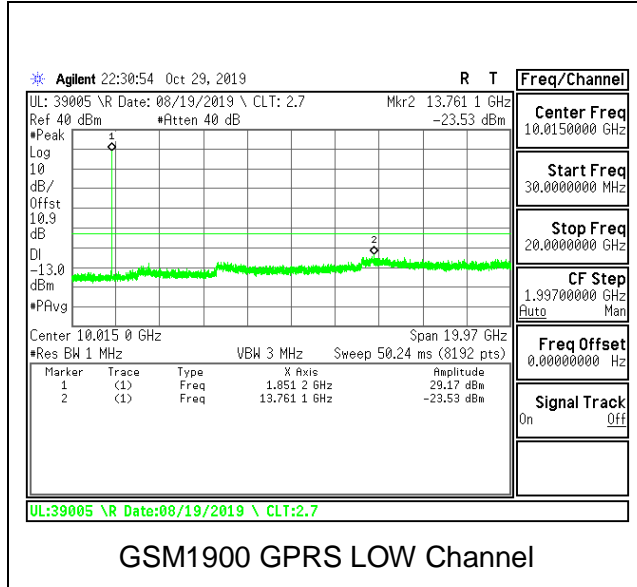
8.3.1. GSM850
 GPRS



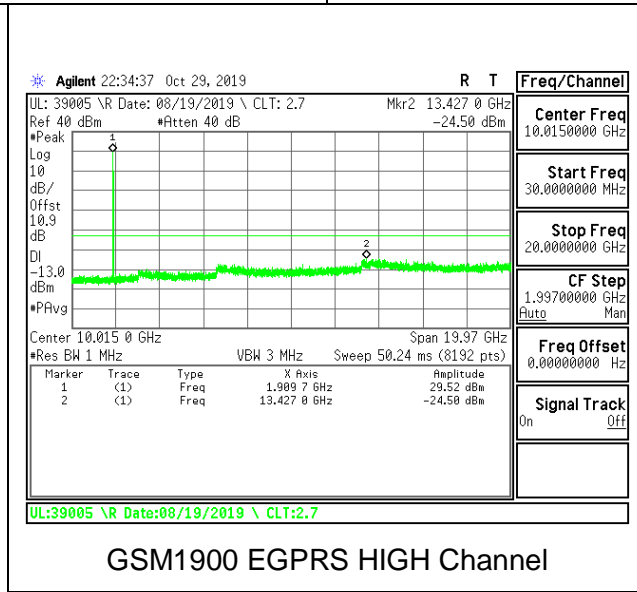
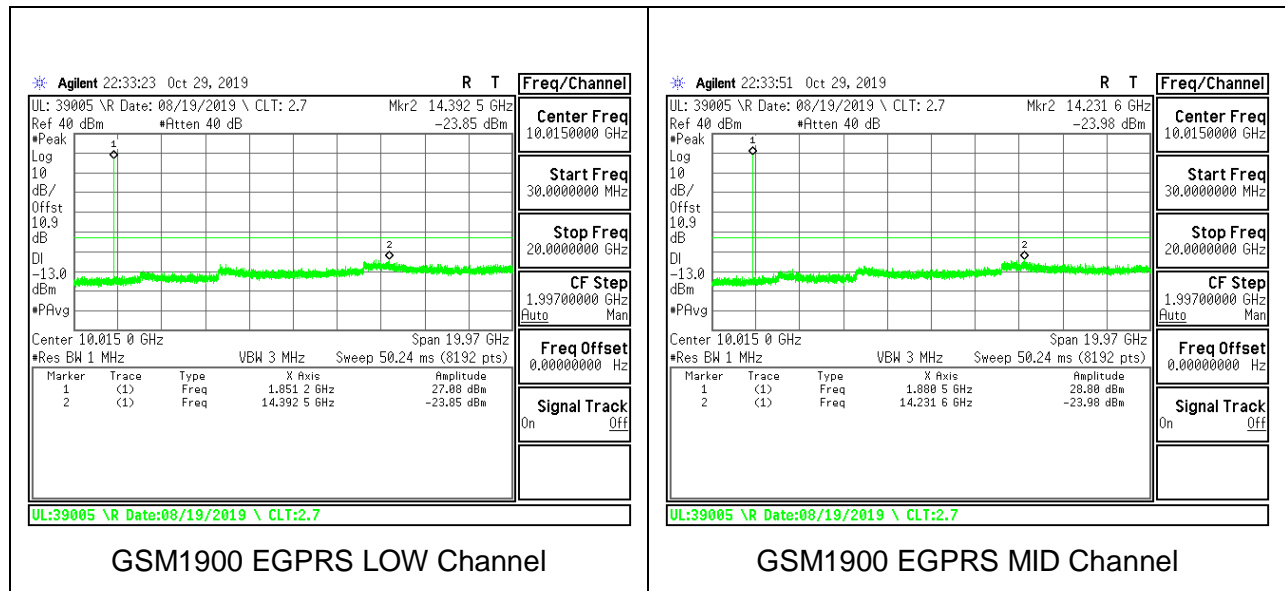
EGPRS



8.3.2. GSM1900
 GPRS

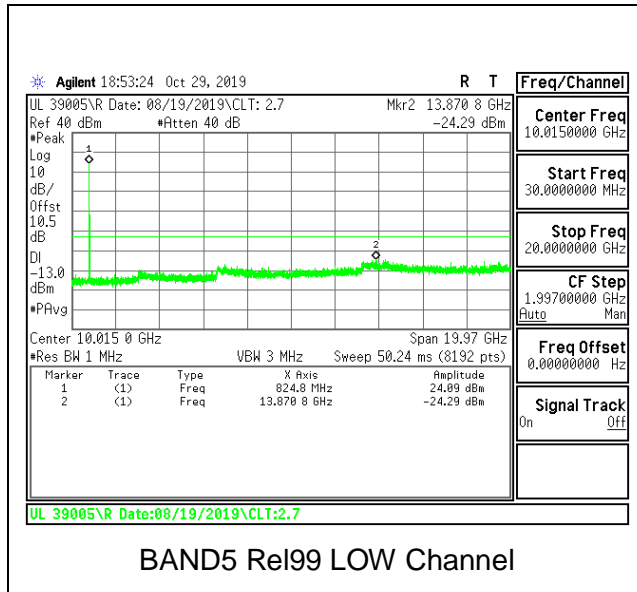


EGPRS

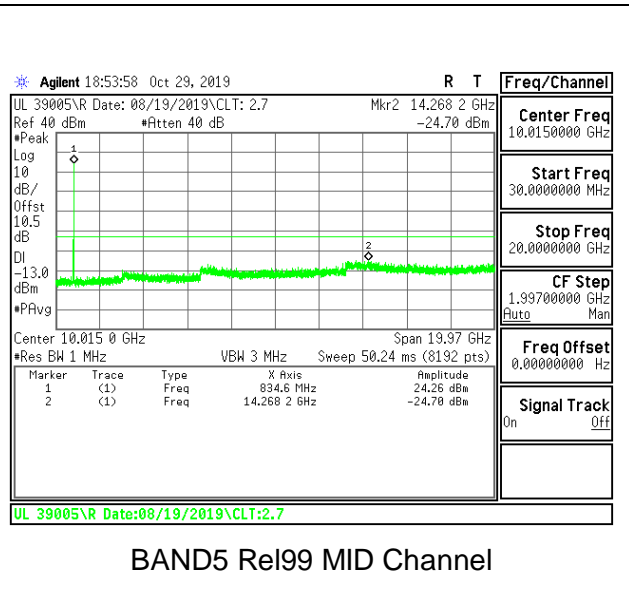


8.3.3. WCDMA BAND5

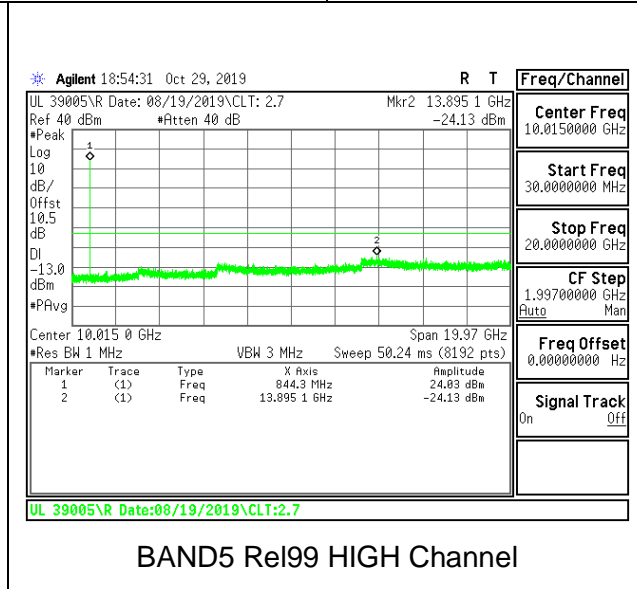
Rel99



BAND5 Rel99 LOW Channel

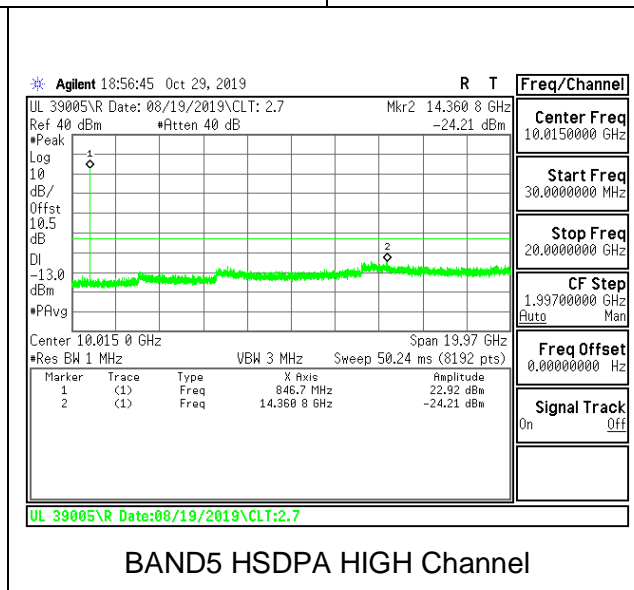
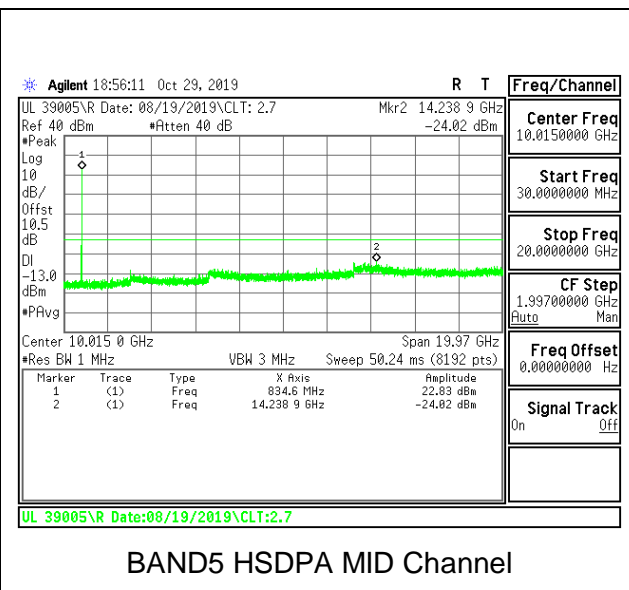
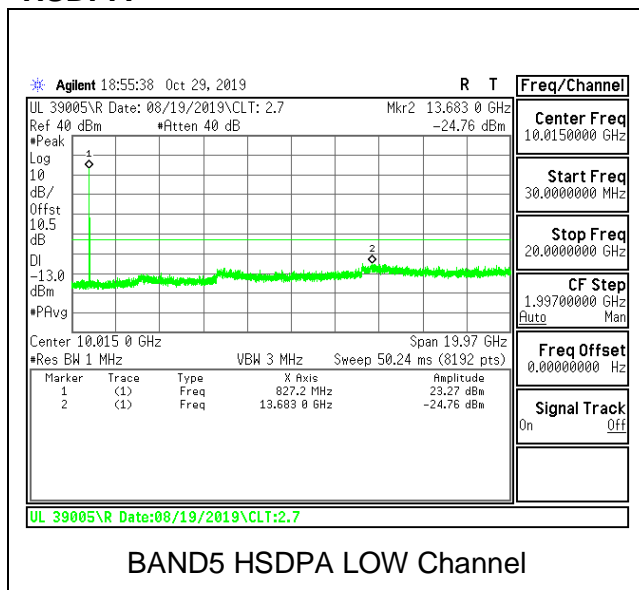


BAND5 Rel99 MID Channel



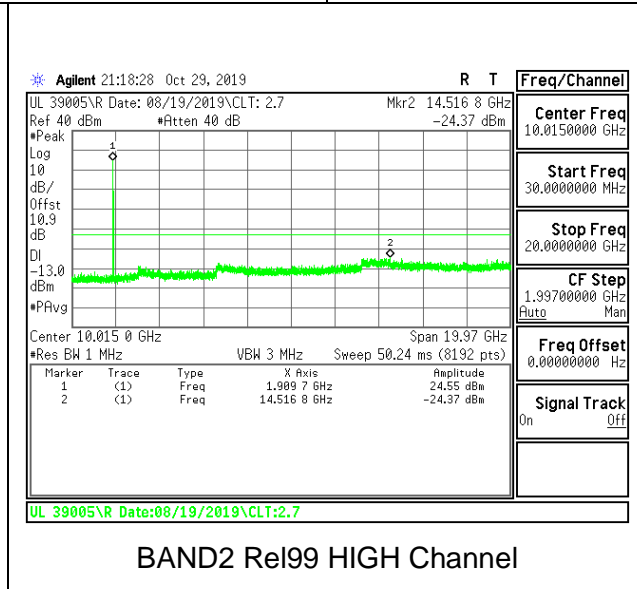
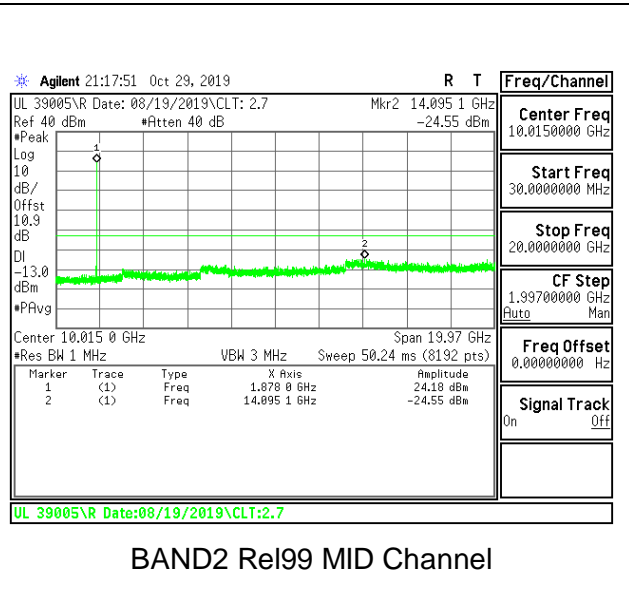
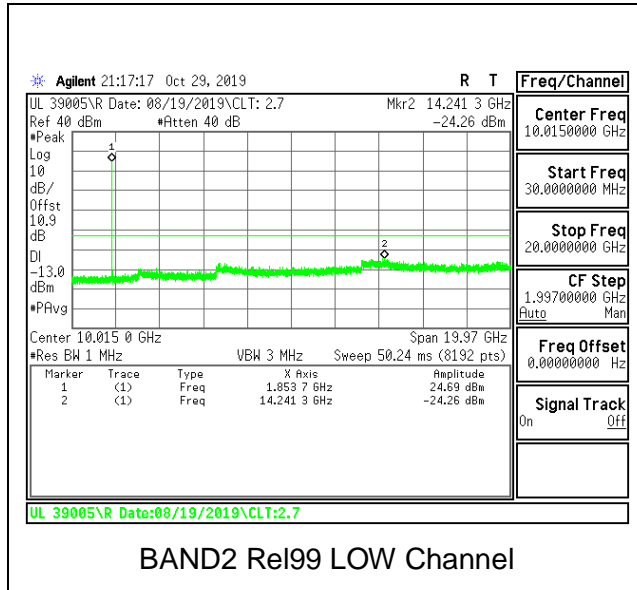
BAND5 Rel99 HIGH Channel

HSDPA

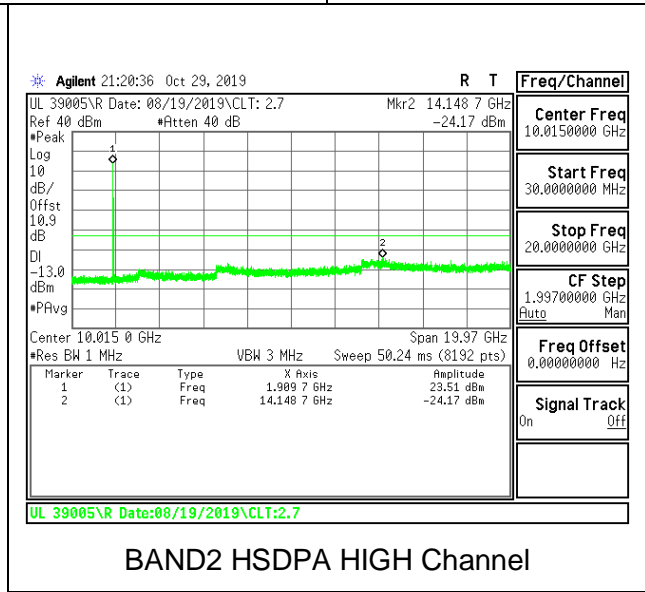
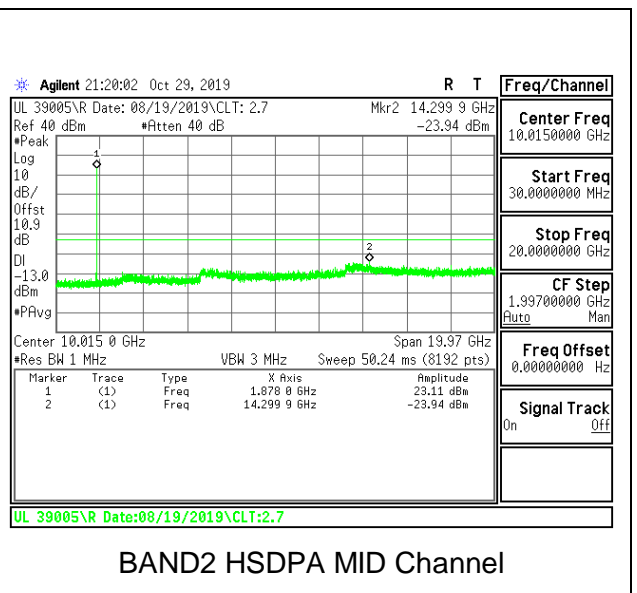
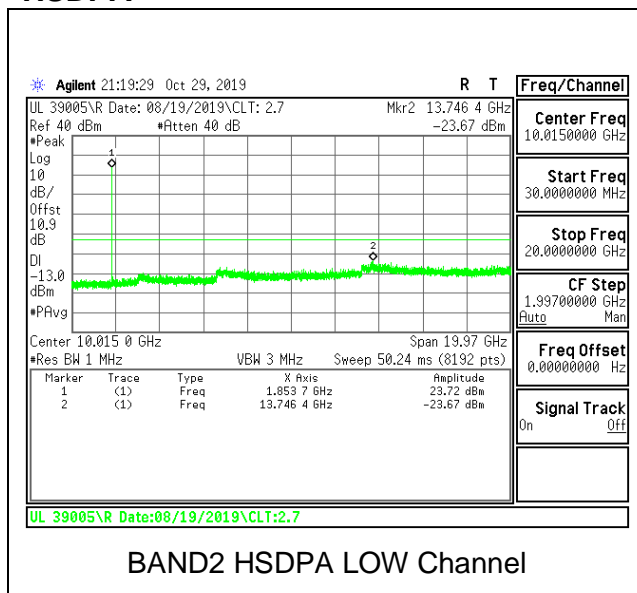


8.3.4. WCDMA BAND2

Rel99

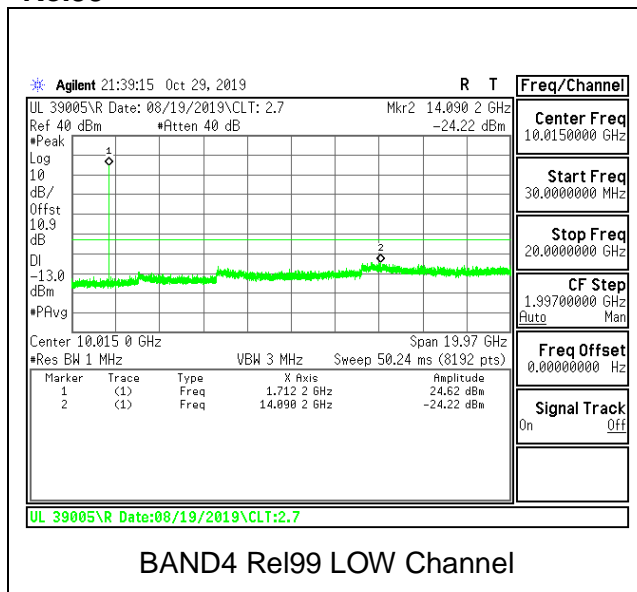


HSDPA

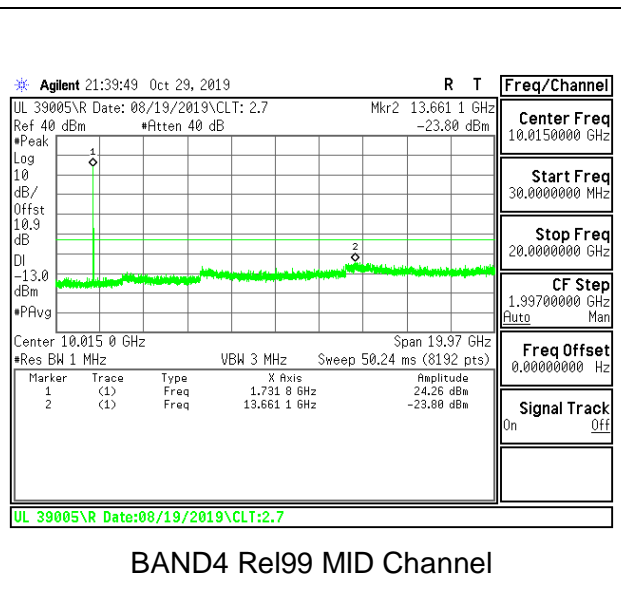


8.3.5. WCDMA BAND4

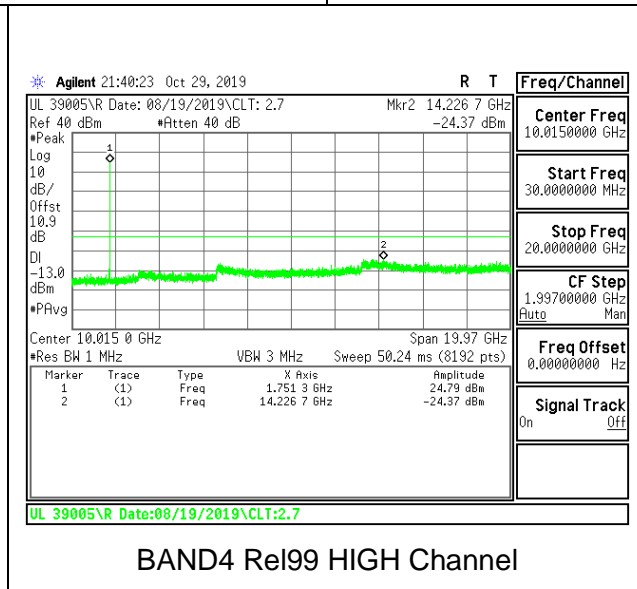
Rel99



BAND4 Rel99 LOW Channel

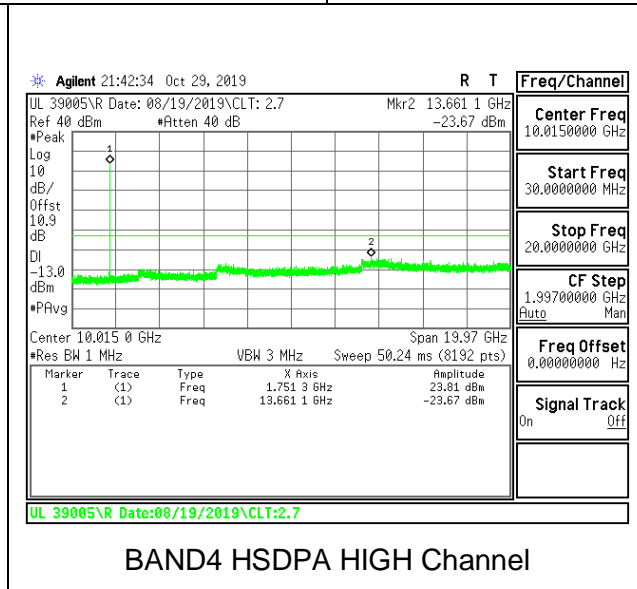
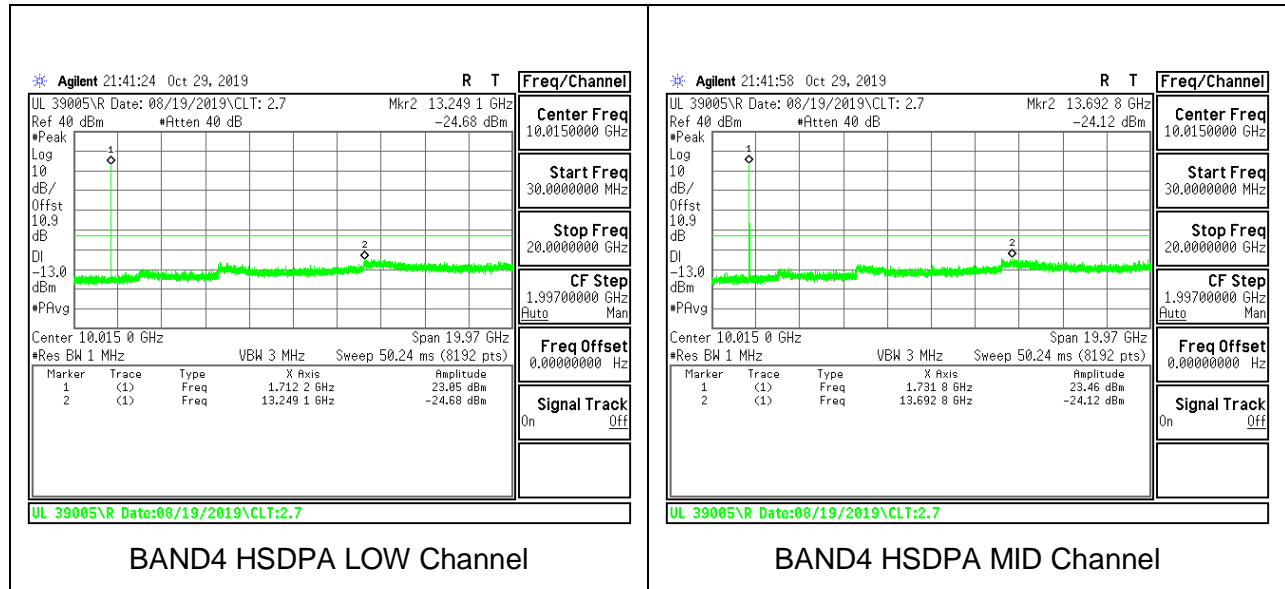


BAND4 Rel99 MID Channel

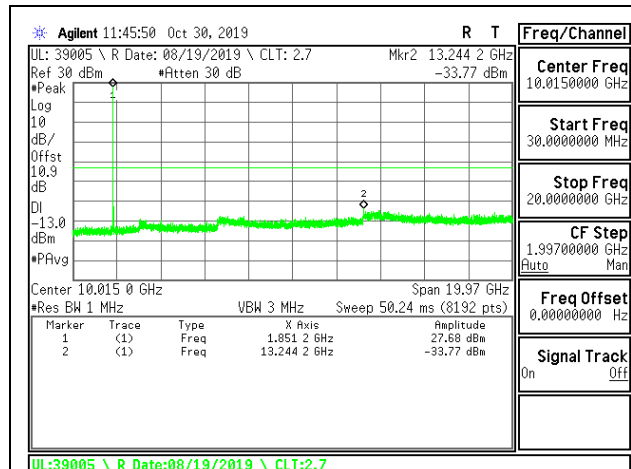


BAND4 Rel99 HIGH Channel

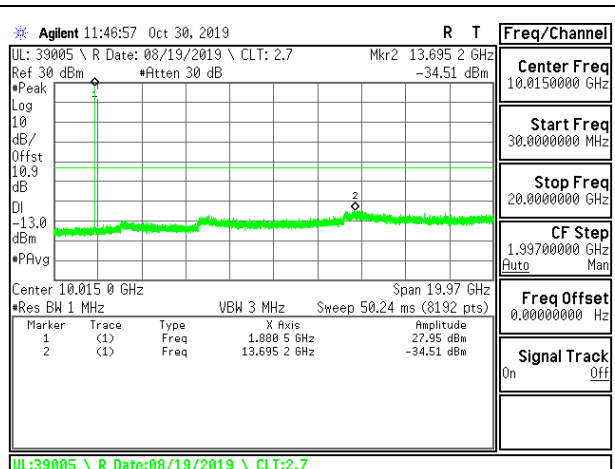
HSDPA



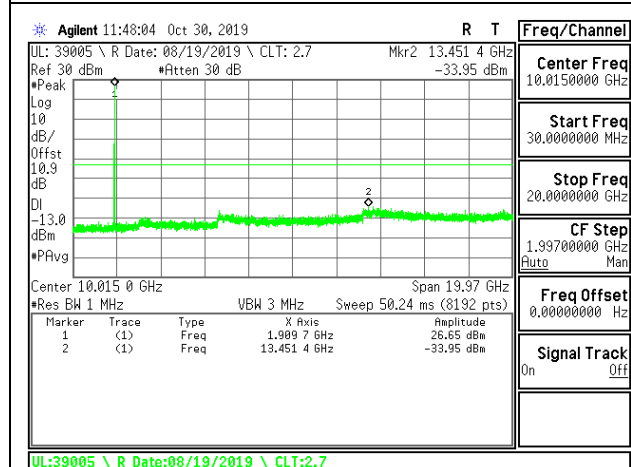
8.3.6. LTE BAND 2



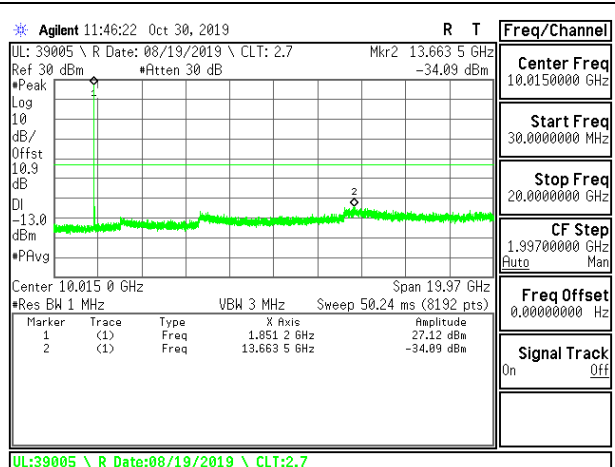
LTE B2 1.4MHz QPSK Low Channel RB1-0



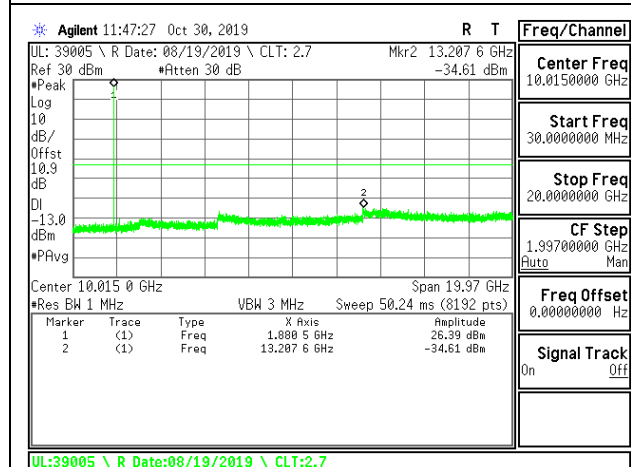
LTE B2 1.4MHz QPSK Mid Channel RB1-0



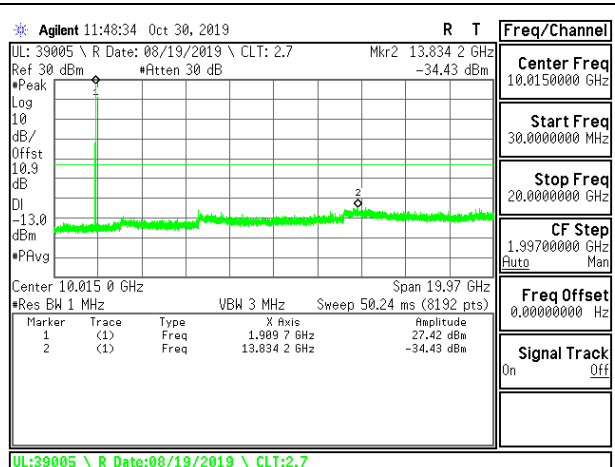
LTE B2 1.4MHz QPSK High Channel RB1-0



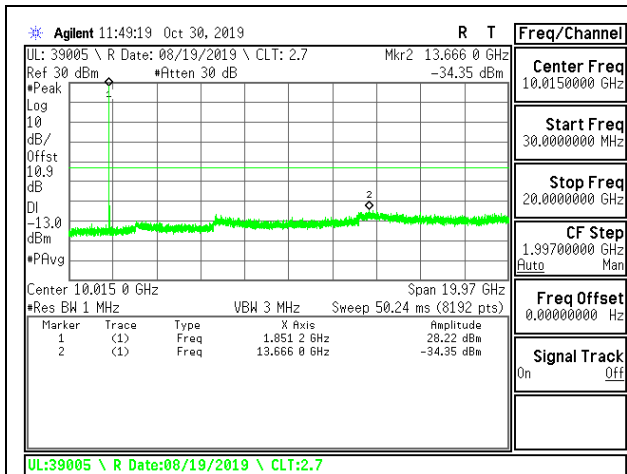
LTE B2 1.4MHz 16QAM Low Channel RB1-0



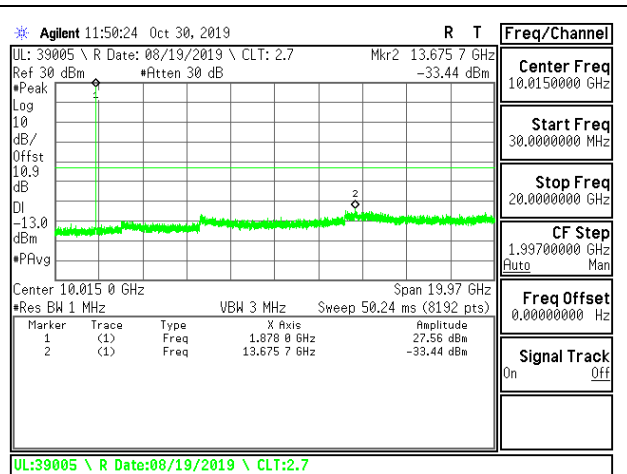
LTE B2 1.4MHz 16QAM Mid Channel RB1-0



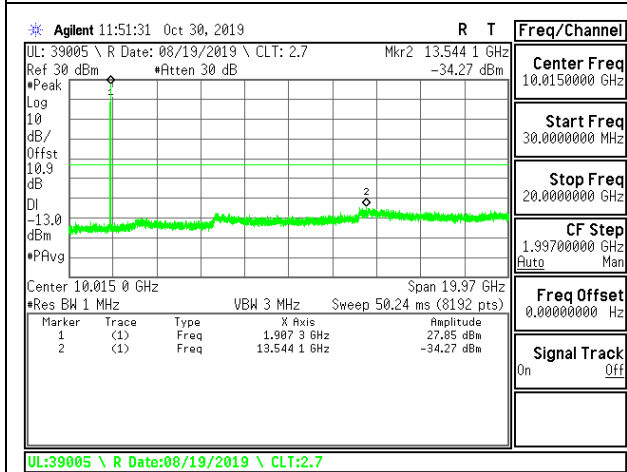
LTE B2 1.4MHz 16QAM High Channel RB1-0



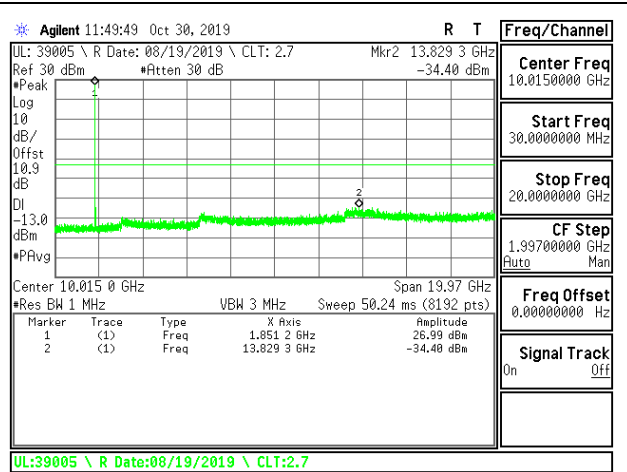
LTE B2 3MHz QPSK Low Channel RB1-0



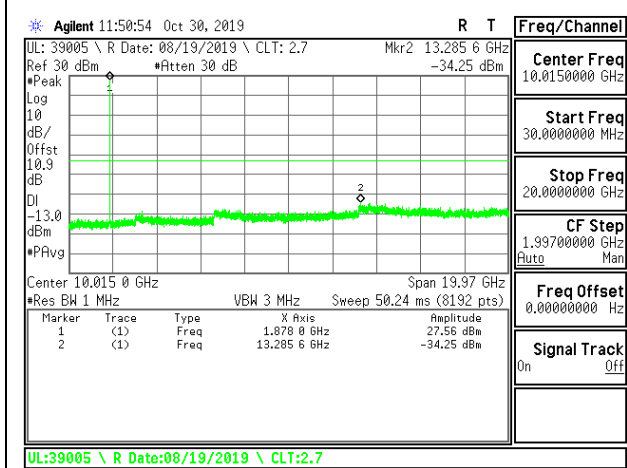
LTE B2 3MHz QPSK Mid Channel RB1-0



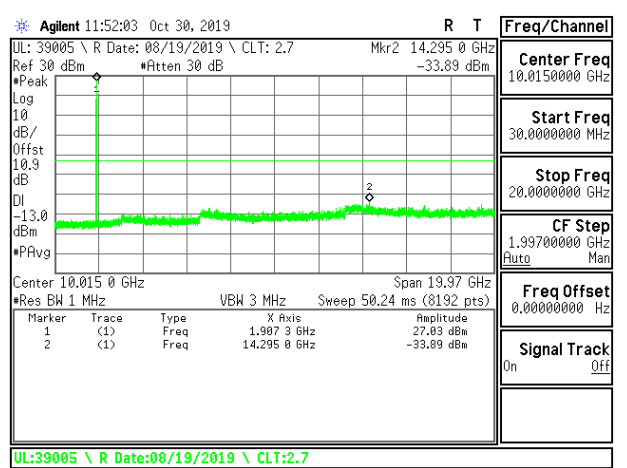
LTE B2 3MHz QPSK High Channel RB1-0



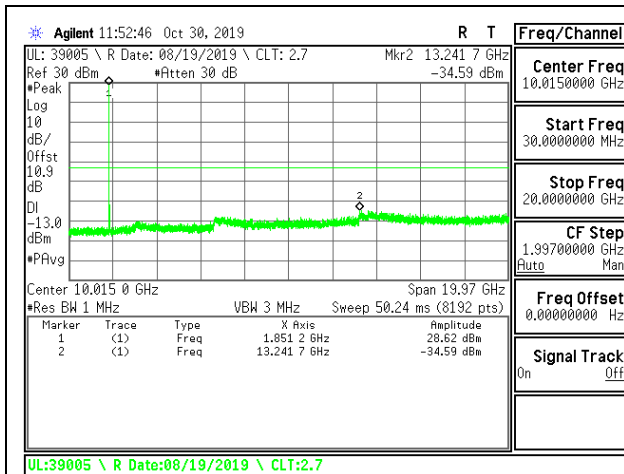
LTE B2 3MHz 16QAM Low Channel RB1-0



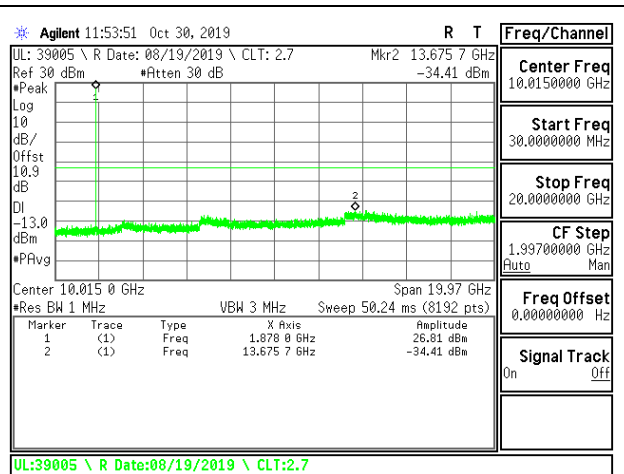
LTE B2 3MHz 16QAM Mid Channel RB1-0



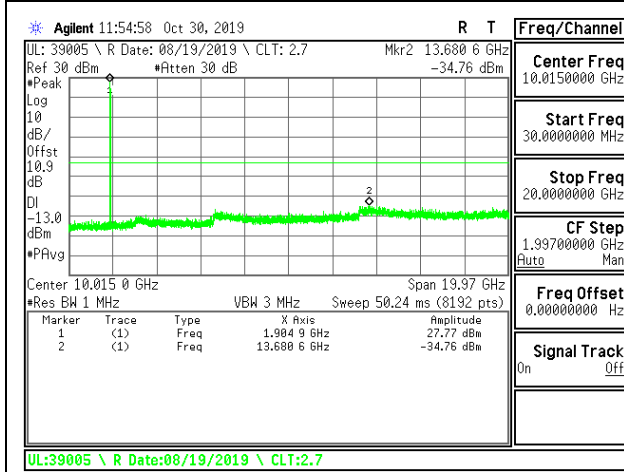
LTE B2 3MHz 16QAM High Channel RB1-0



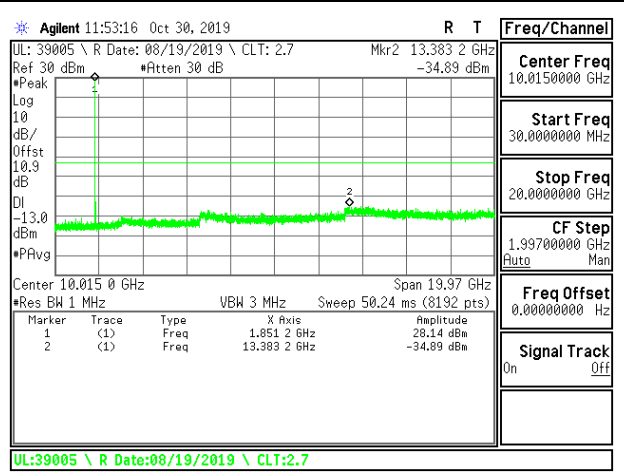
LTE B2 5MHz QPSK Low Channel RB1-0



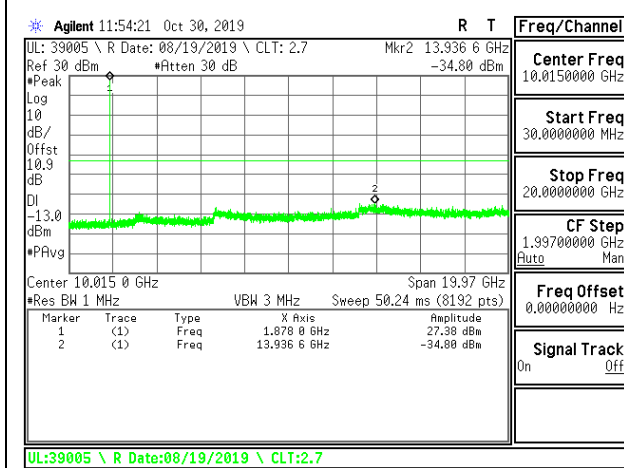
LTE B2 5MHz QPSK Mid Channel RB1-0



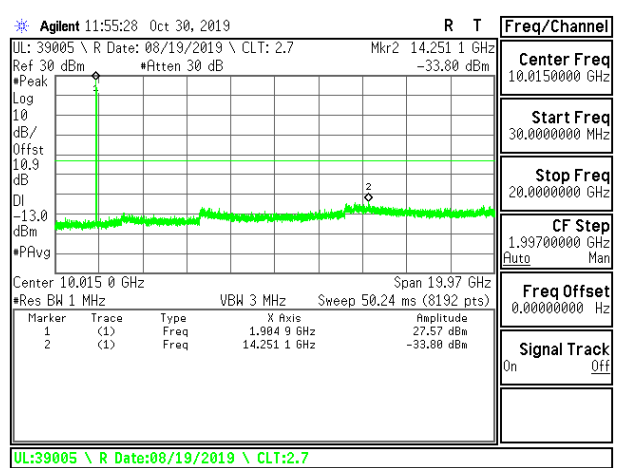
LTE B2 5MHz QPSK High Channel RB1-0



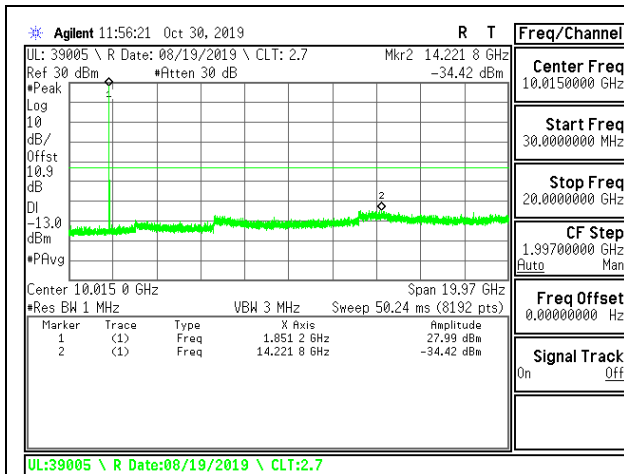
LTE B2 5MHz 16QAM Low Channel RB1-0



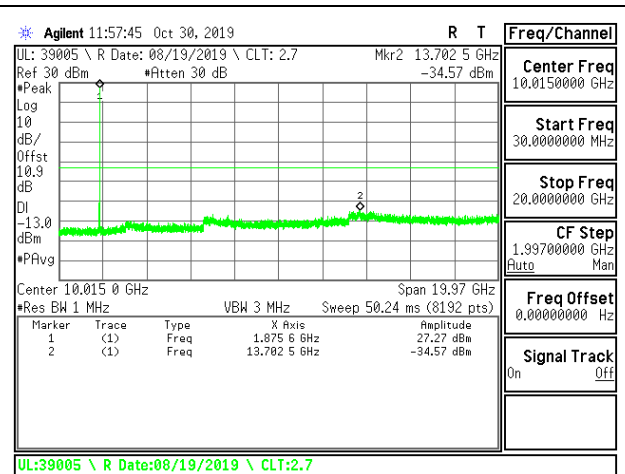
LTE B2 5MHz 16QAM Mid Channel RB1-0



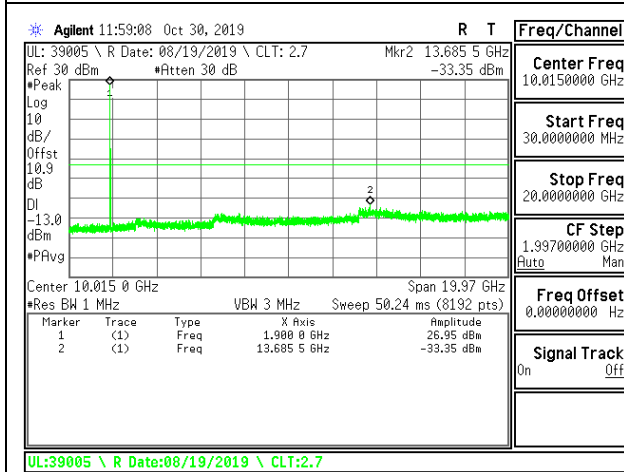
LTE B2 5MHz 16QAM High Channel RB1-0



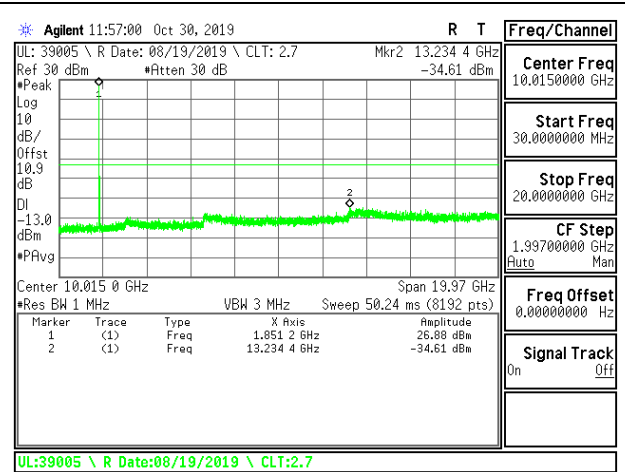
LTE B2 10MHz QPSK Low Channel RB1-0



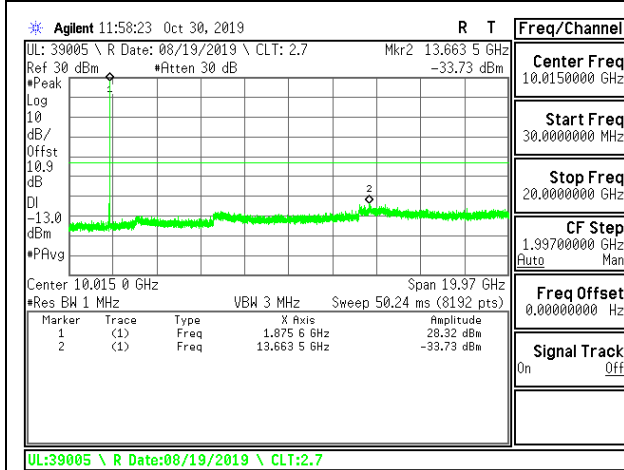
LTE B2 10MHz QPSK Mid Channel RB1-0



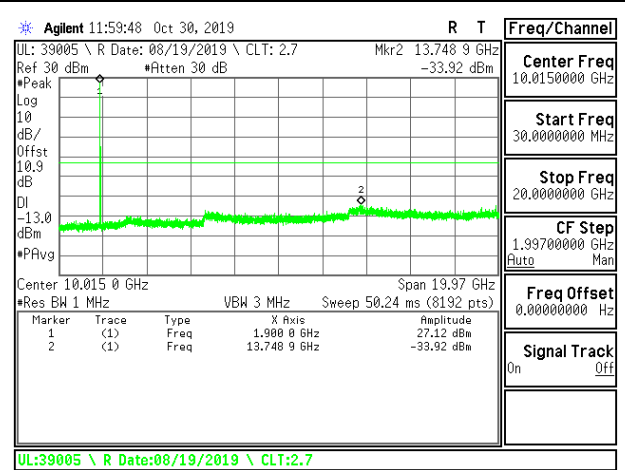
LTE B2 10MHz QPSK High Channel RB1-0



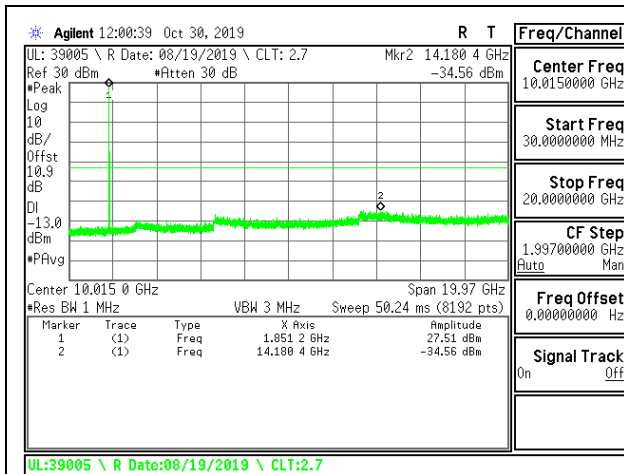
LTE B2 10MHz 16QAM Low Channel RB1-0



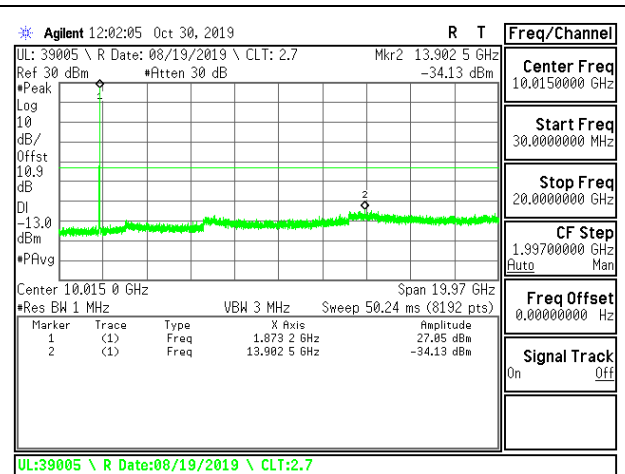
LTE B2 10MHz 16QAM Mid Channel RB1-0



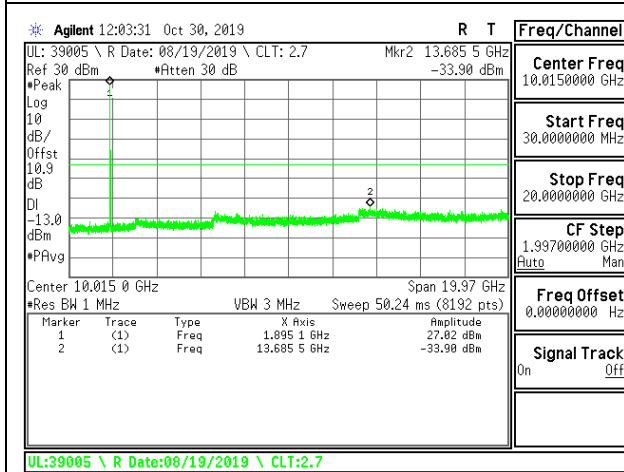
LTE B2 10MHz 16QAM High Channel RB1-0



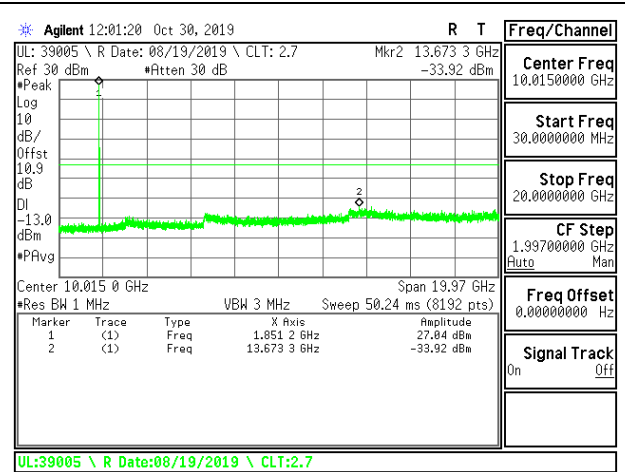
LTE B2 15MHz QPSK Low Channel RB1-0



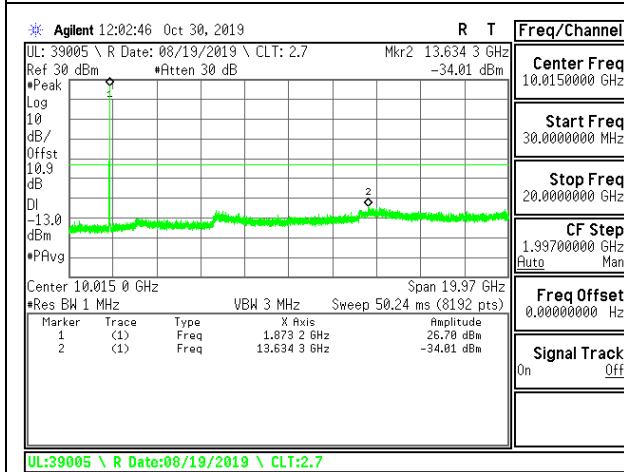
LTE B2 15MHz QPSK Mid Channel RB1-0



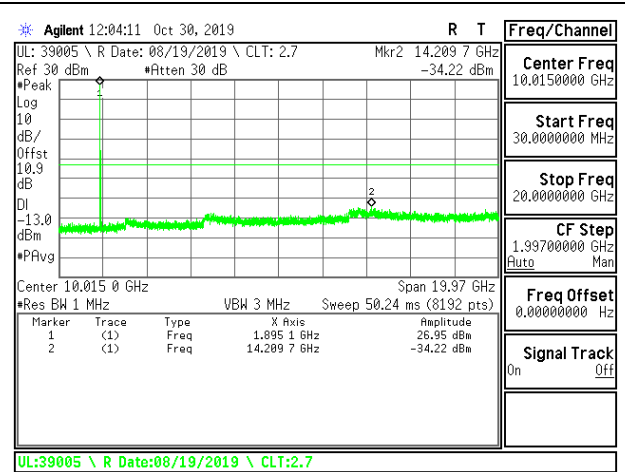
LTE B2 15MHz QPSK High Channel RB1-0



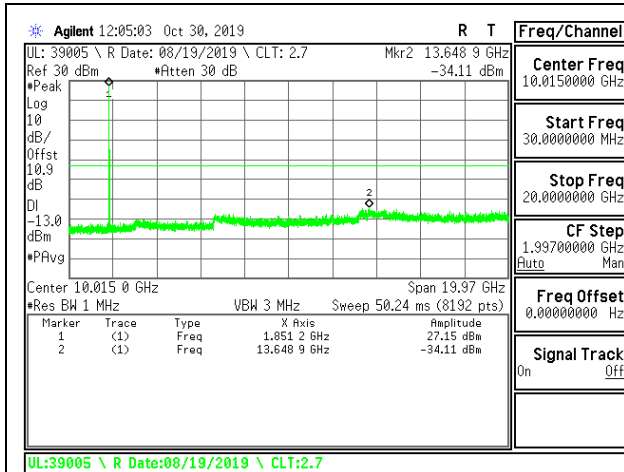
LTE B2 15MHz 16QAM Low Channel RB1-0



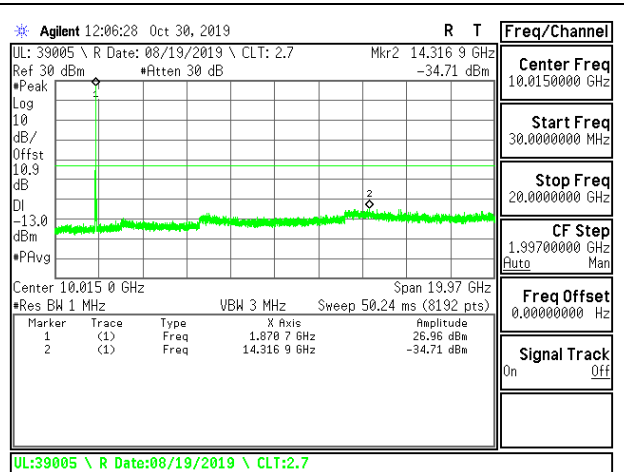
LTE B2 15MHz 16QAM Mid Channel RB1-0



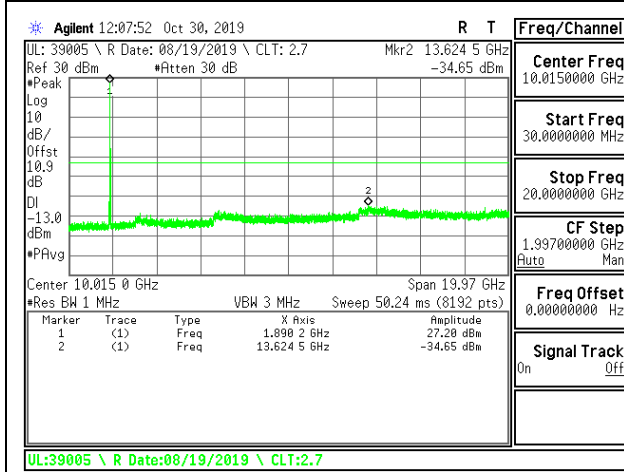
LTE B2 15MHz 16QAM High Channel RB1-0



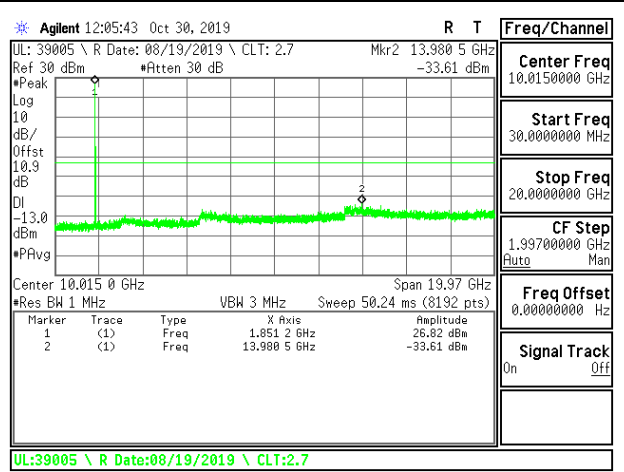
LTE B2 20MHz QPSK Low Channel RB1-0



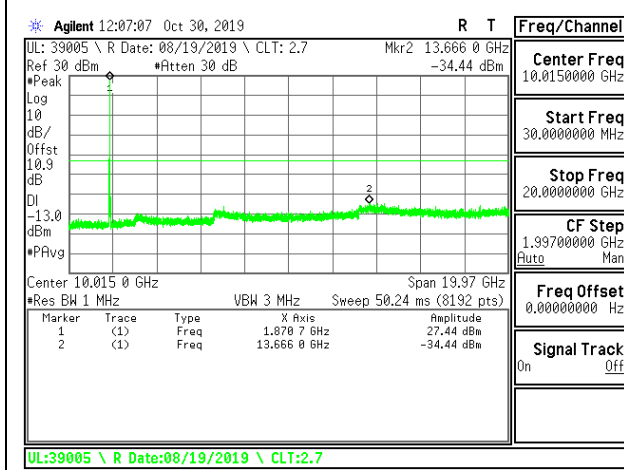
LTE B2 20MHz QPSK Mid Channel RB1-0



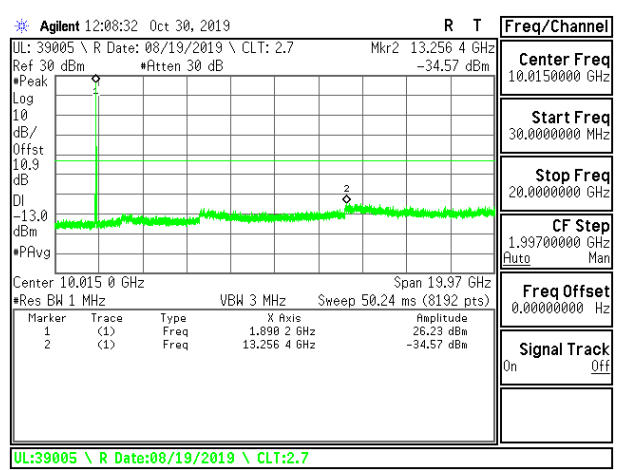
LTE B2 20MHz QPSK High Channel RB1-0



LTE B2 20MHz 16QAM Low Channel RB1-0

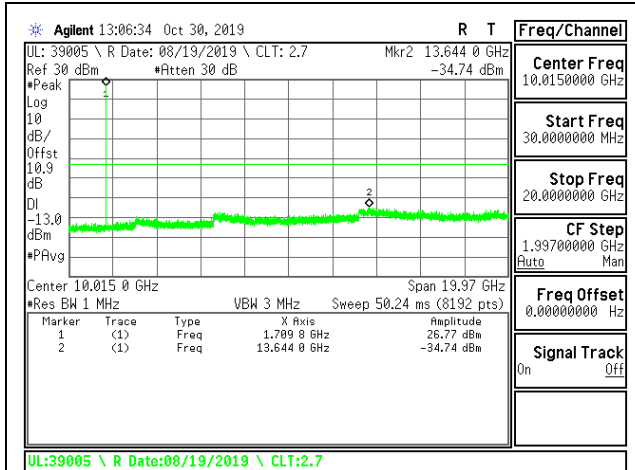


LTE B2 20MHz 16QAM Mid Channel RB1-0

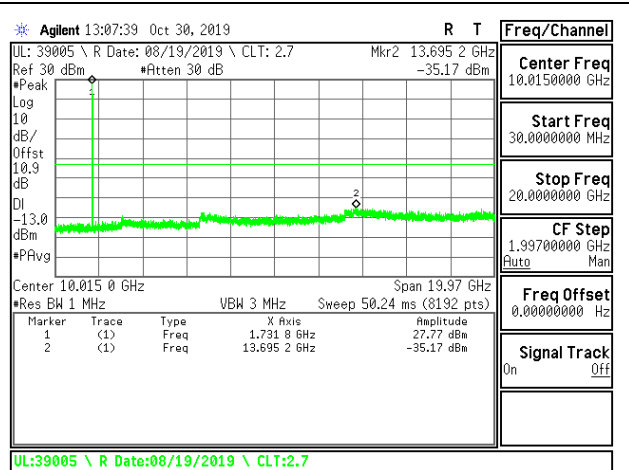


LTE B2 20MHz 16QAM High Channel RB1-0

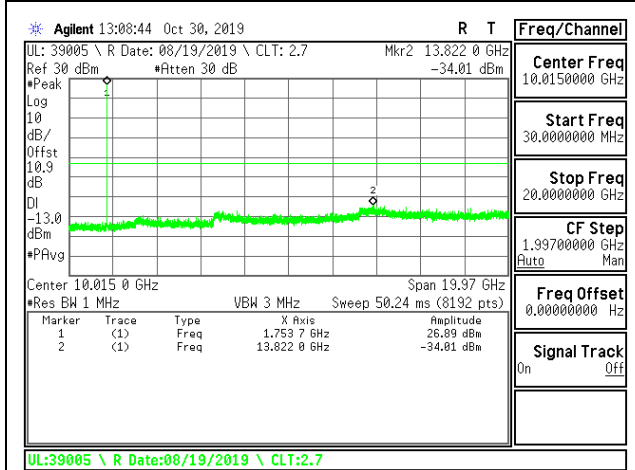
8.3.7. LTE BAND 4



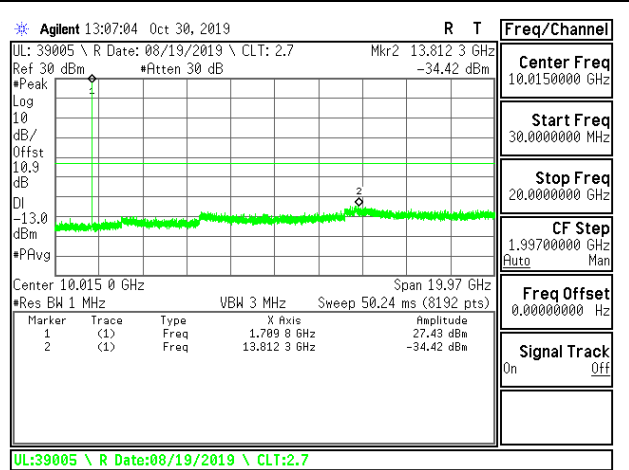
LTE B4 1.4MHz QPSK Low Channel RB1-0



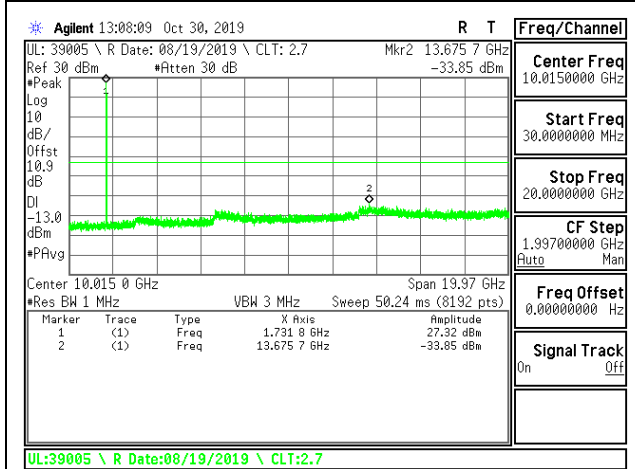
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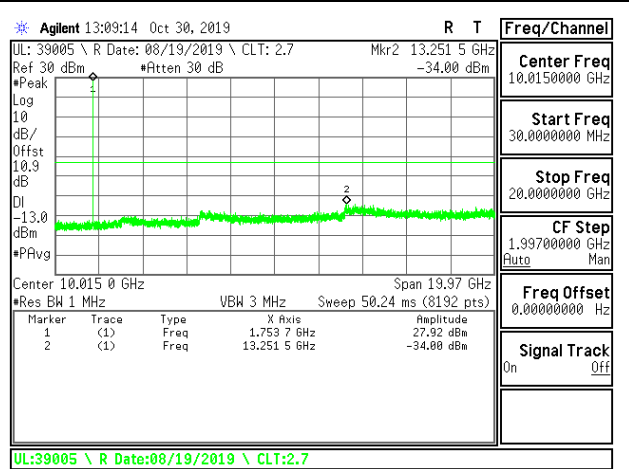
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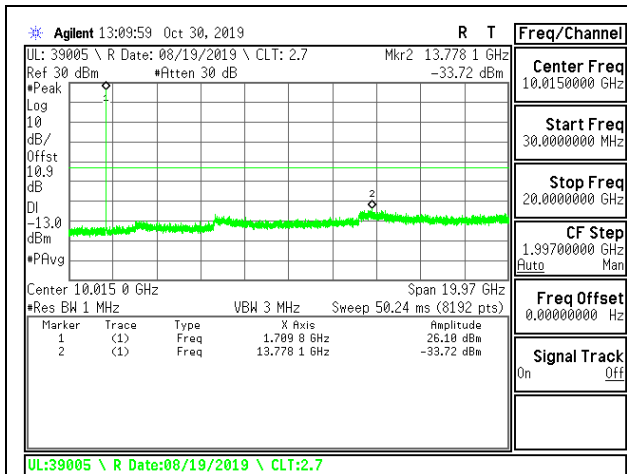
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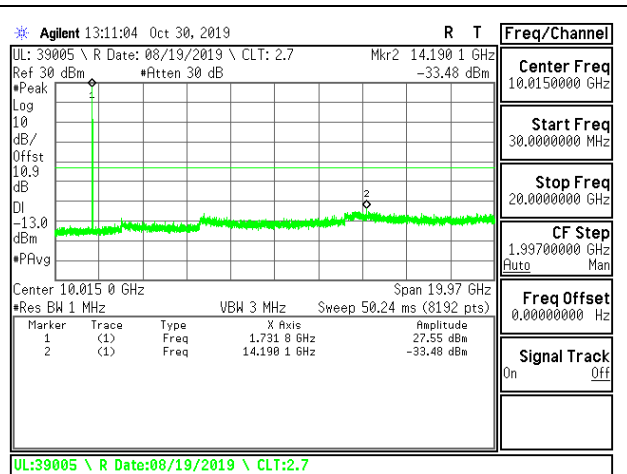
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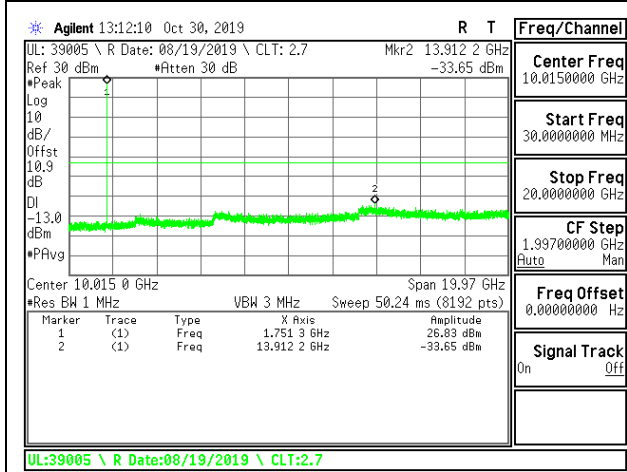
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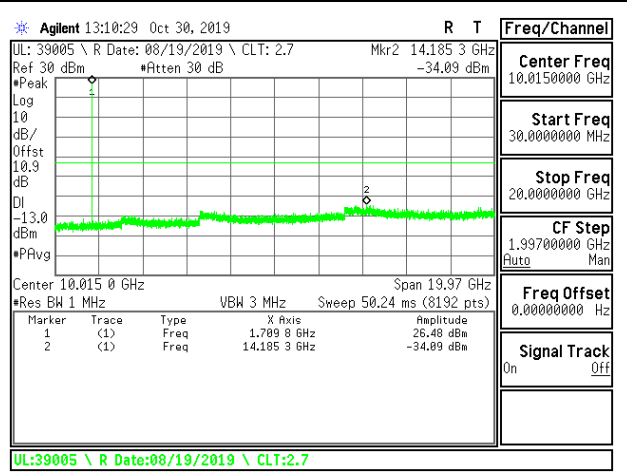
LTE B4 3MHz QPSK Low Channel RB1-0



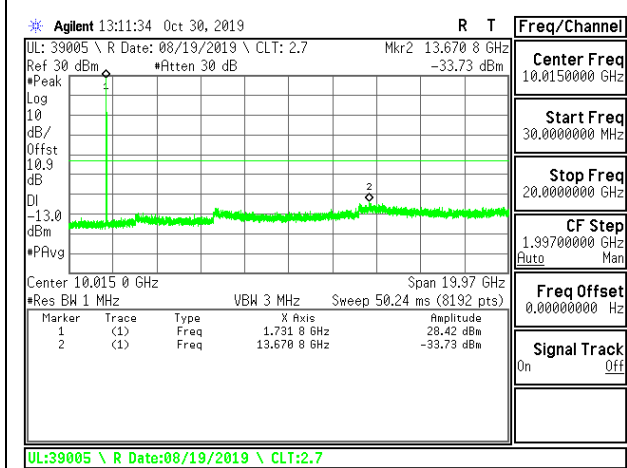
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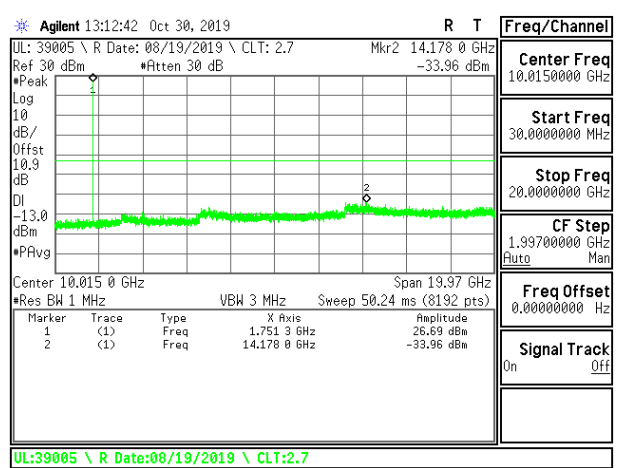
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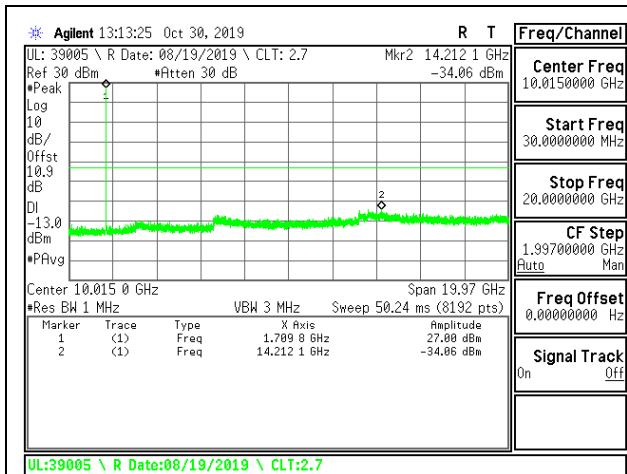
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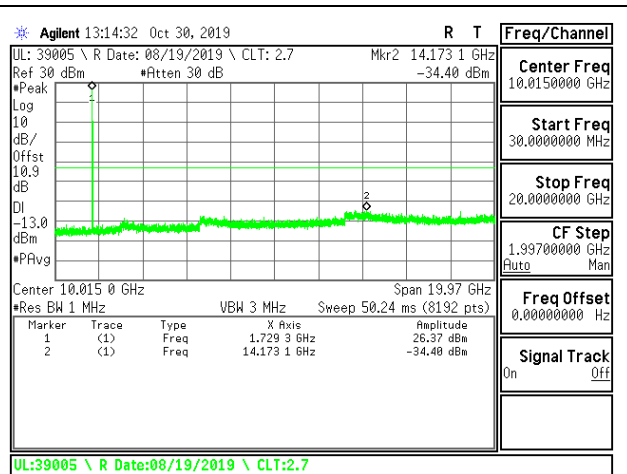
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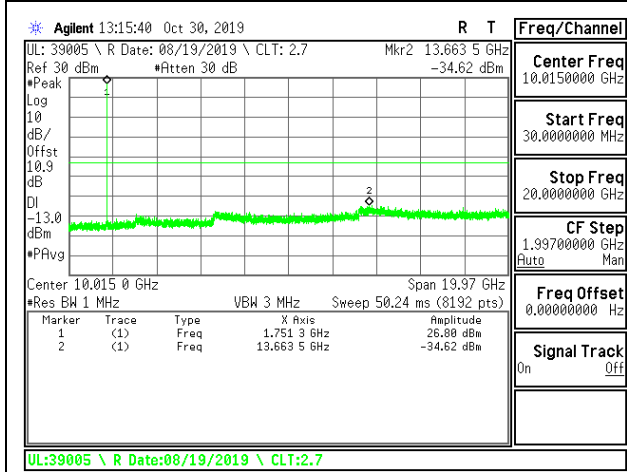
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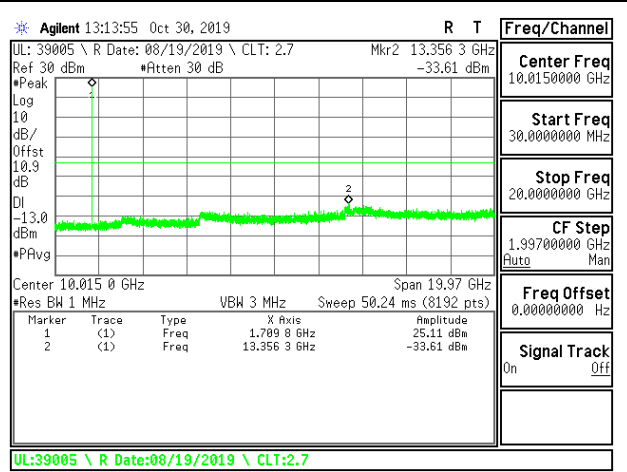
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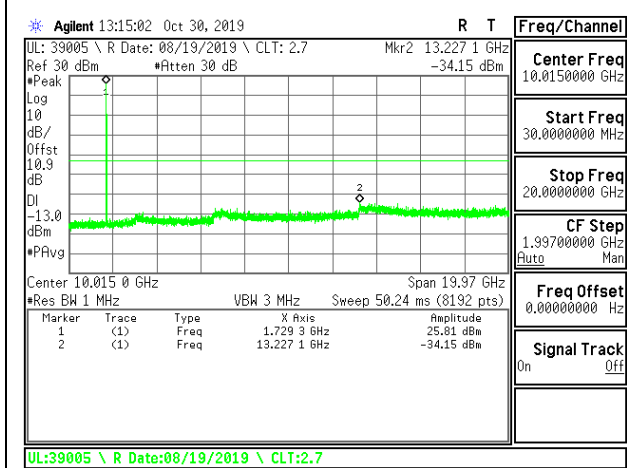
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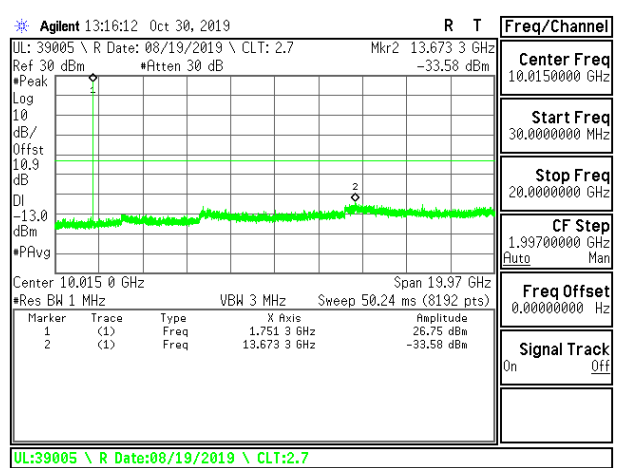
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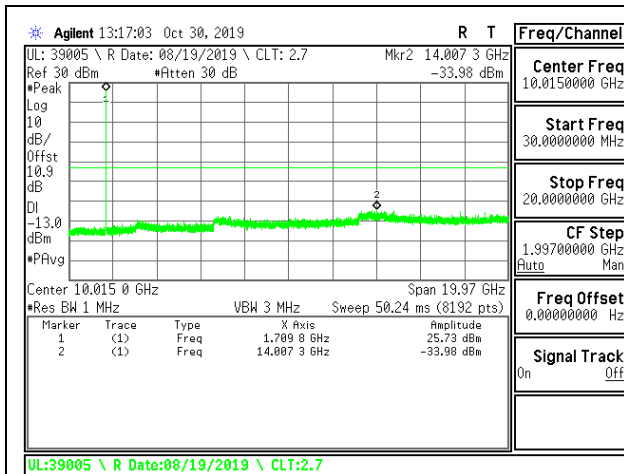
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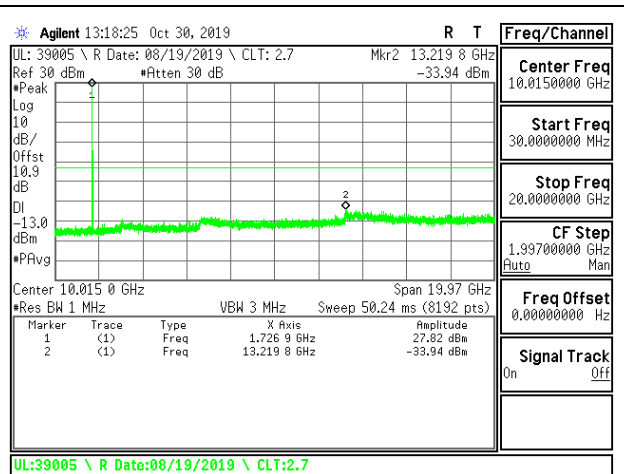
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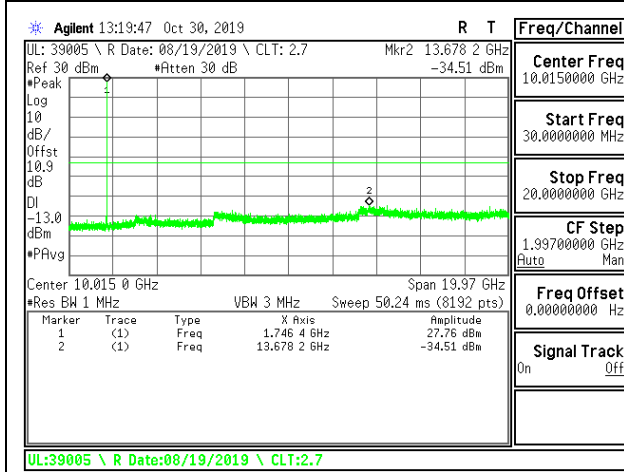
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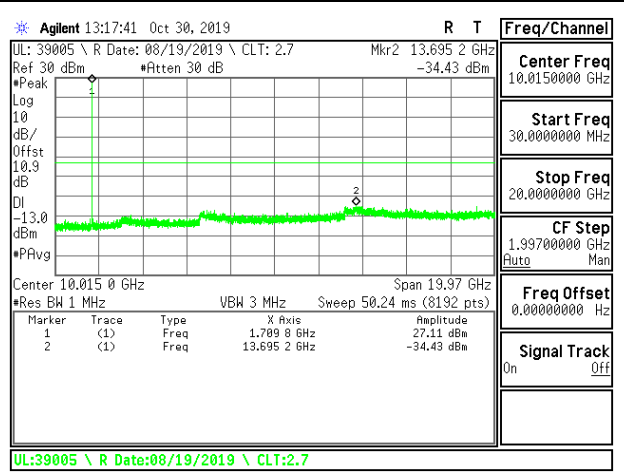
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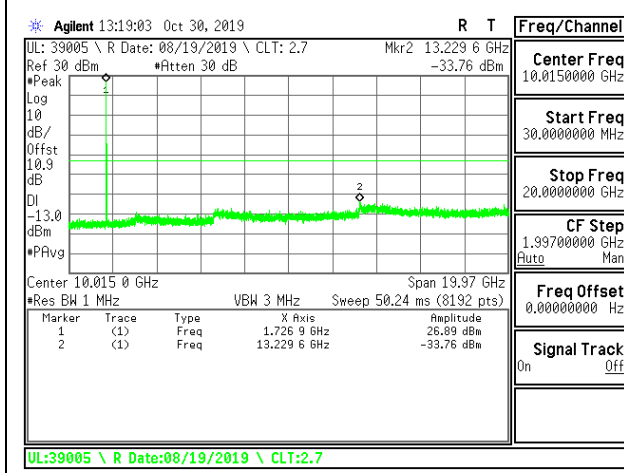
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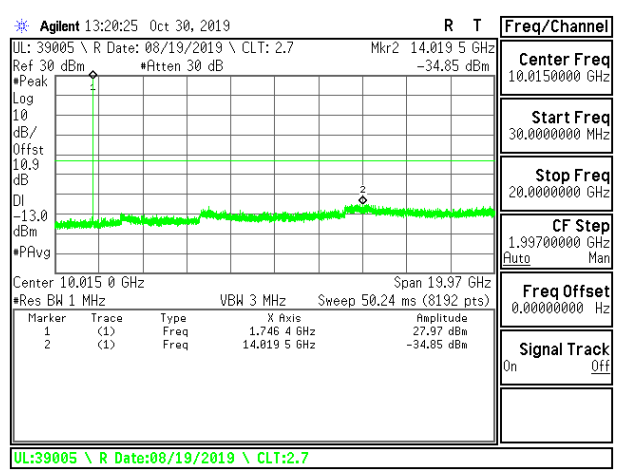
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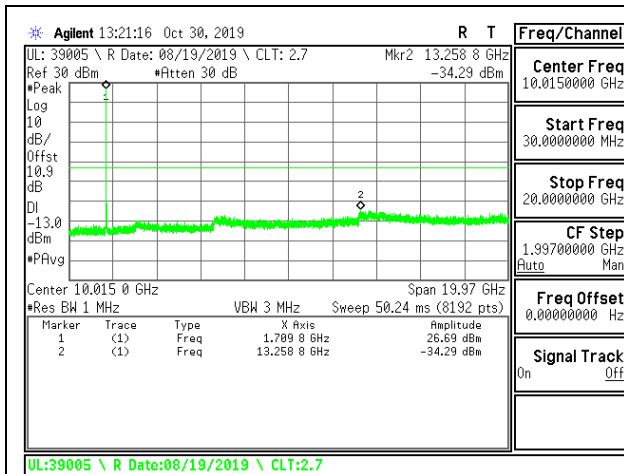
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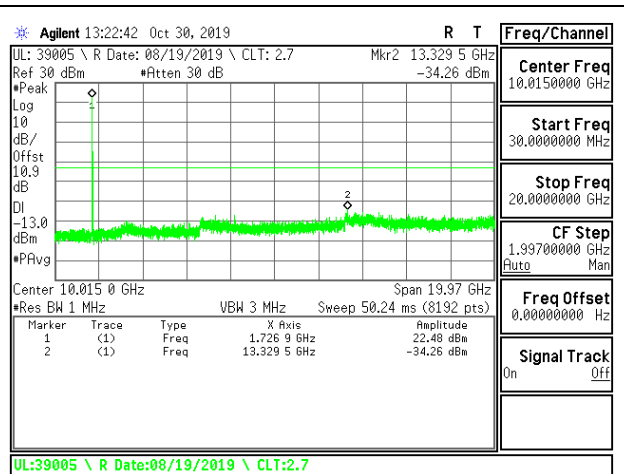
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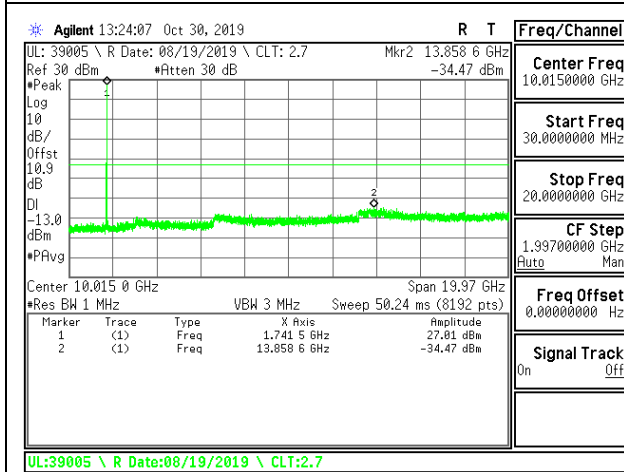
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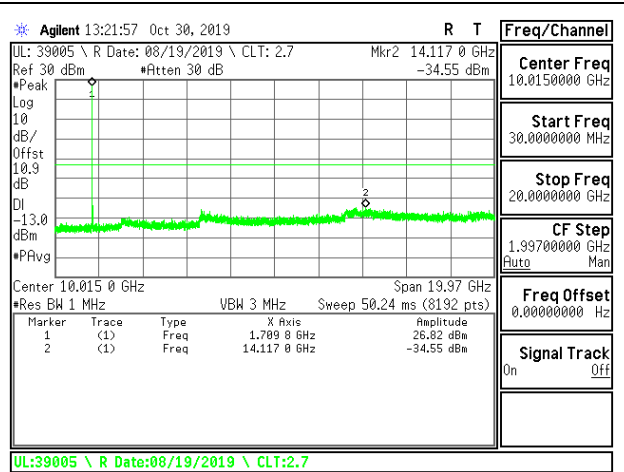
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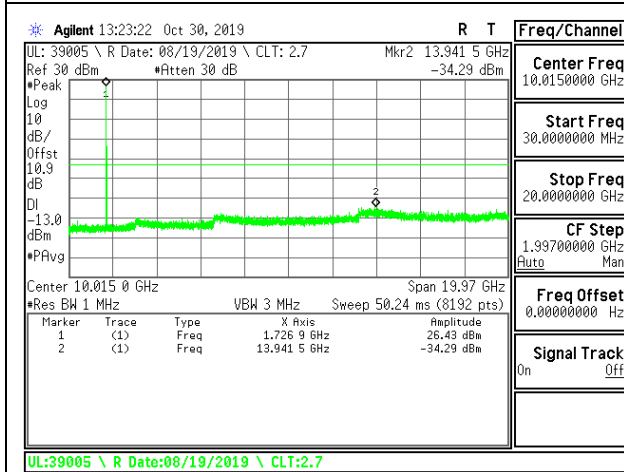
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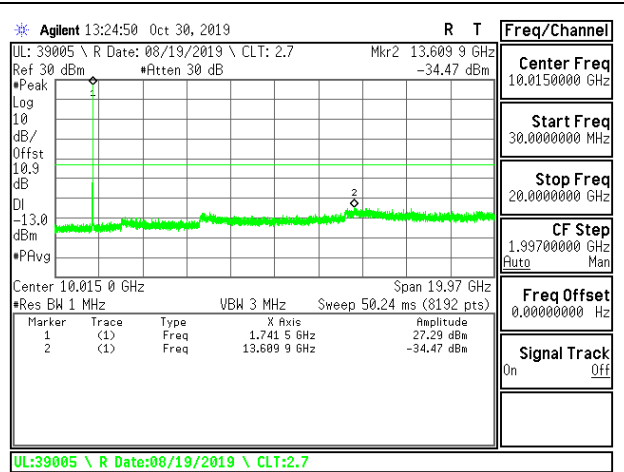
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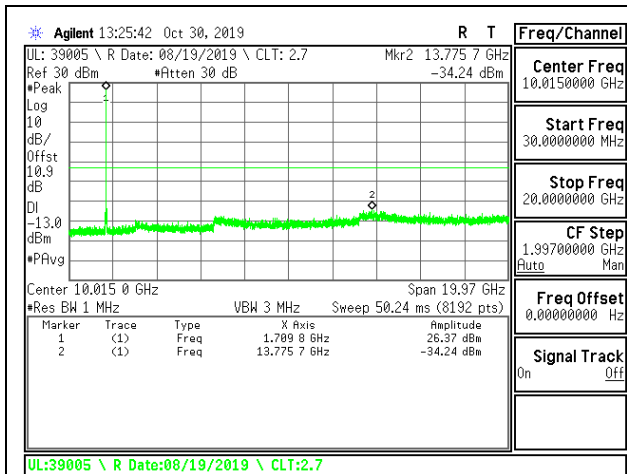
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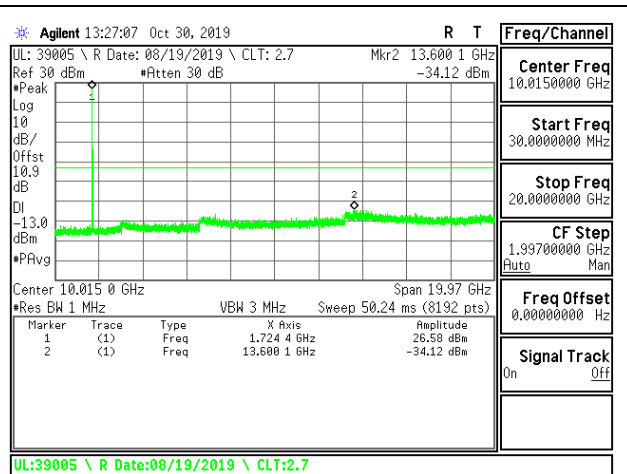
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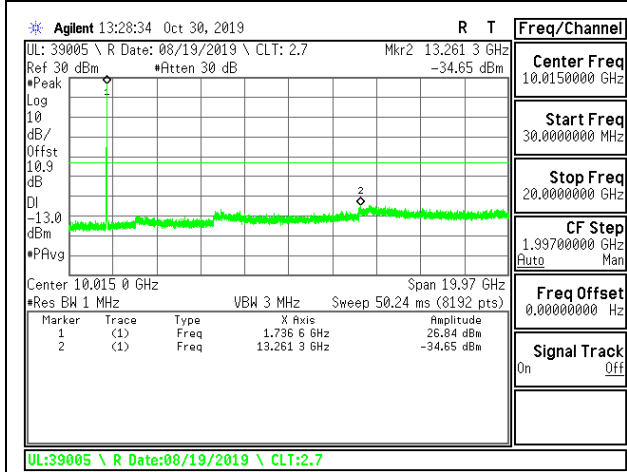
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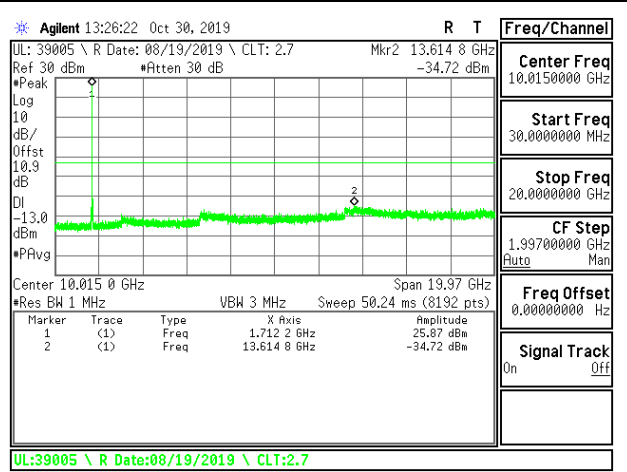
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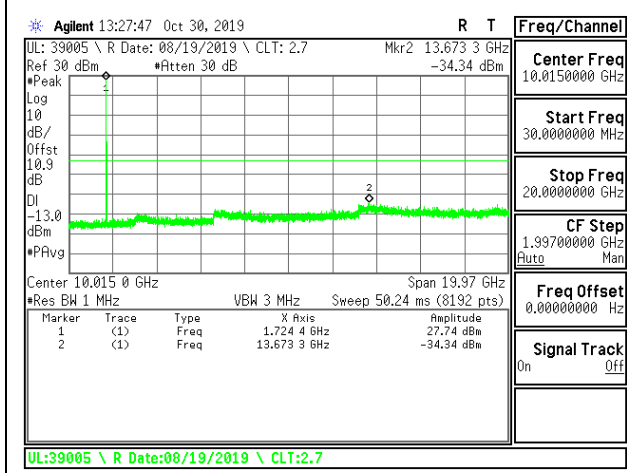
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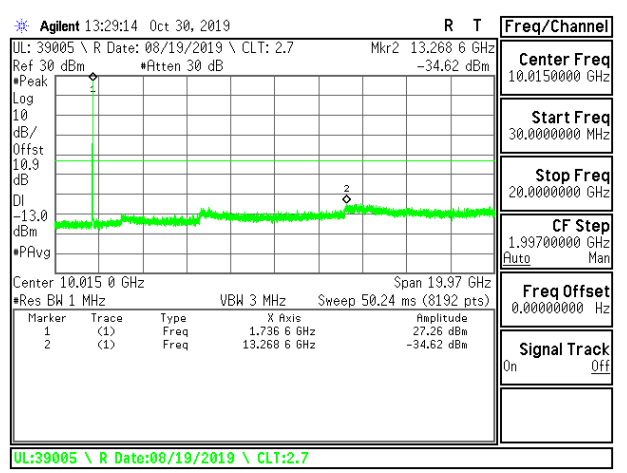
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LTE B4 20MHz 16QAM Low Channel RB1-0

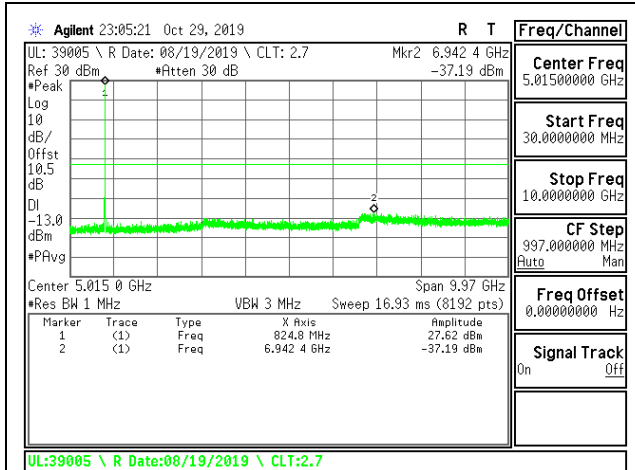


LTE B4 20MHz 16QAM Mid Channel RB1-0

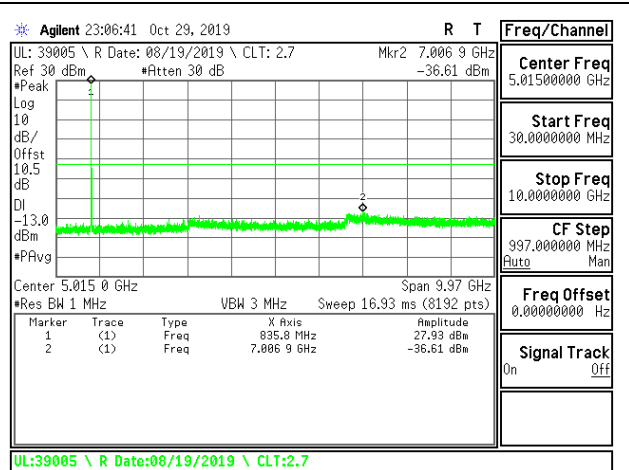


LTE B4 20MHz 16QAM High Channel RB1-0

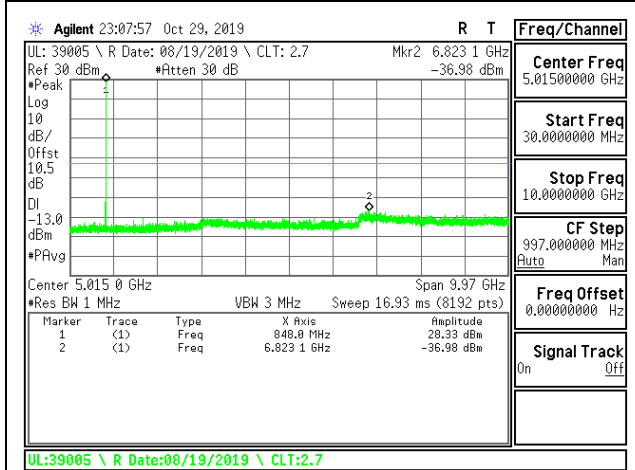
8.3.8. LTE BAND 5



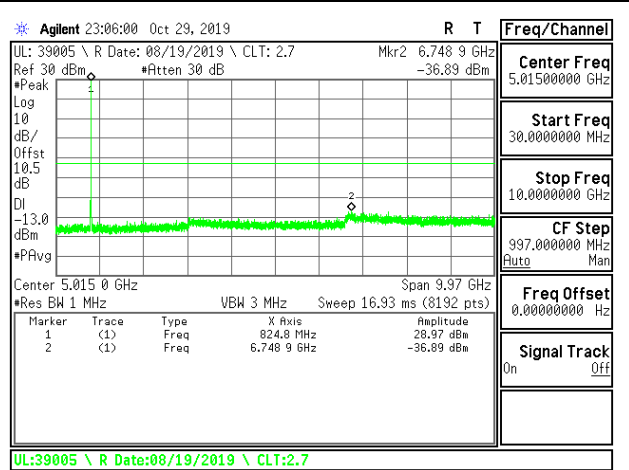
LTE B5 1.4MHz QPSK Low Channel RB1-0



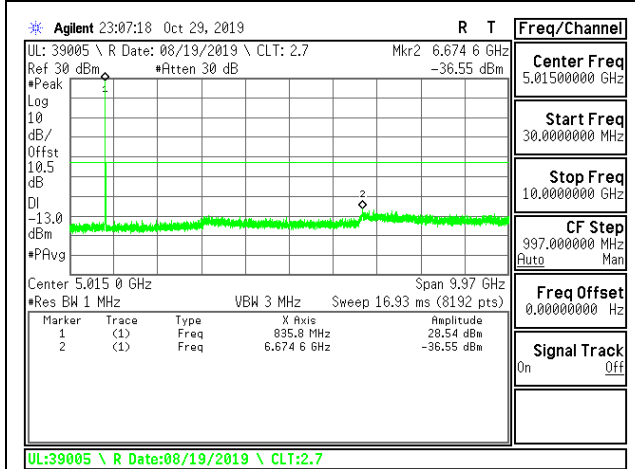
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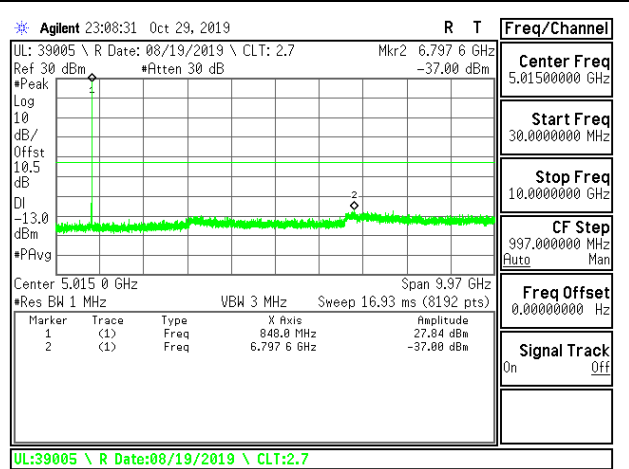
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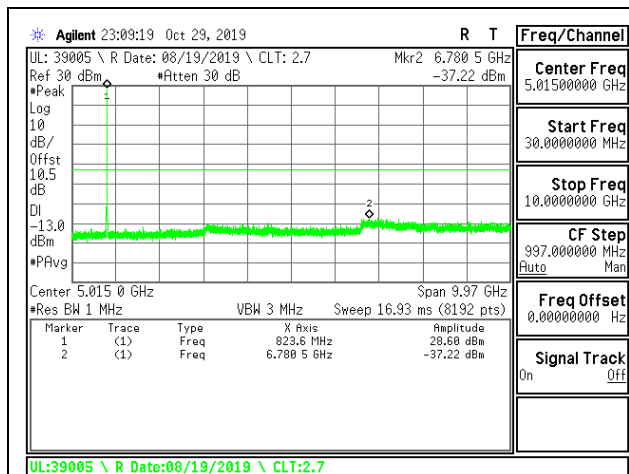
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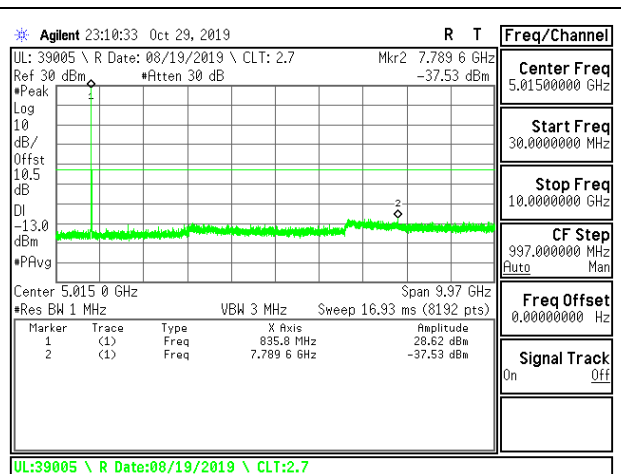
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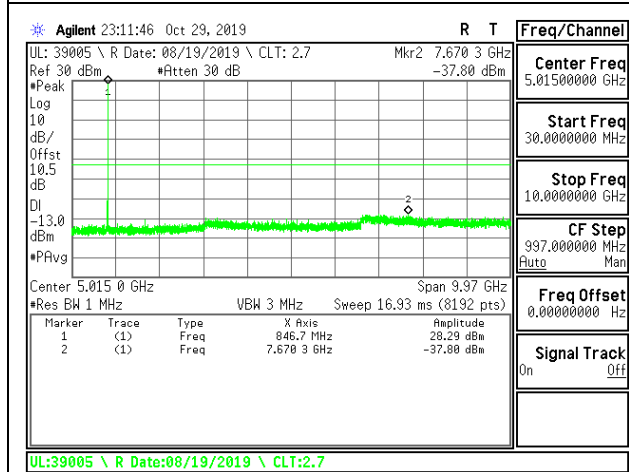
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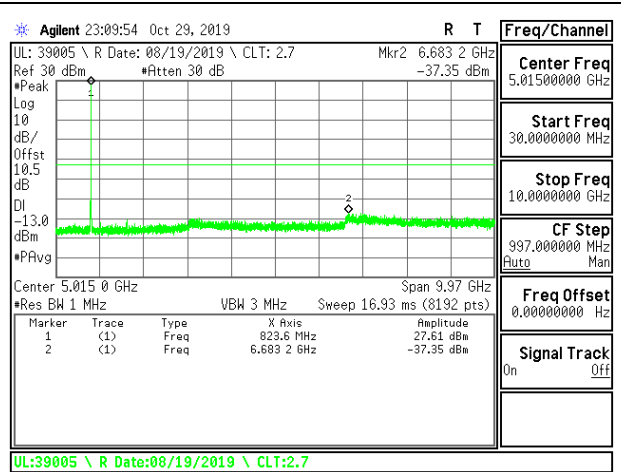
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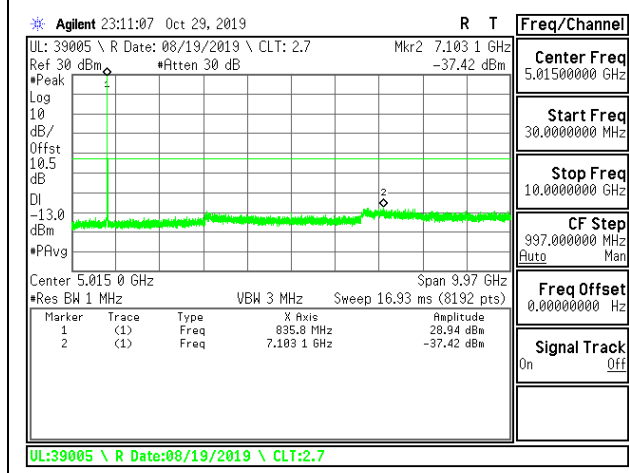
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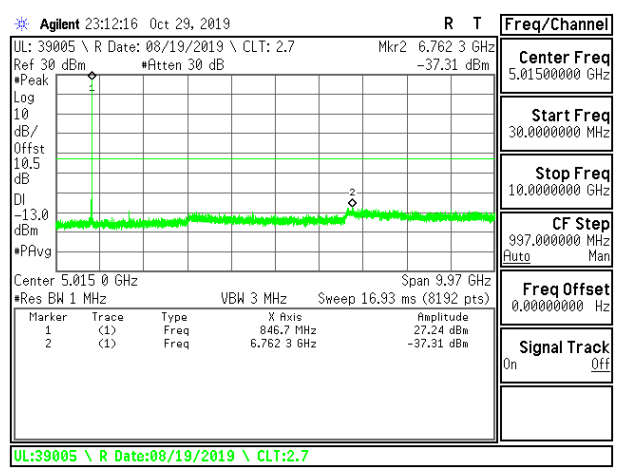
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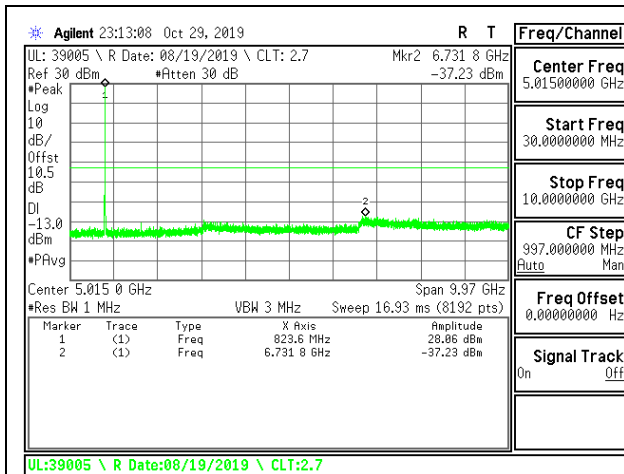
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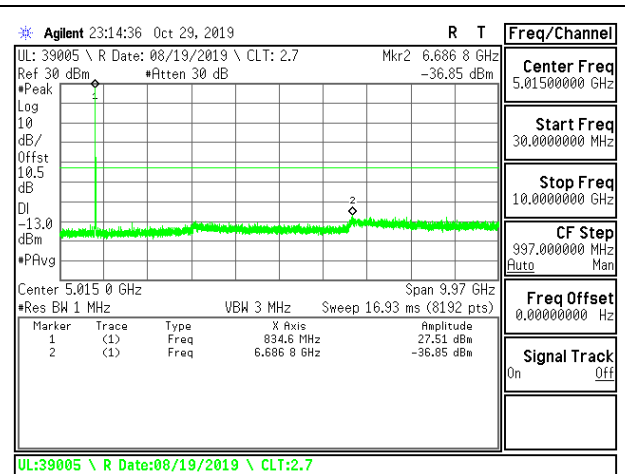
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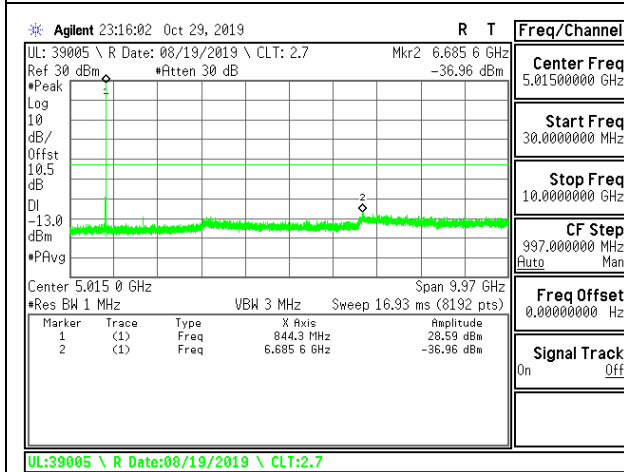
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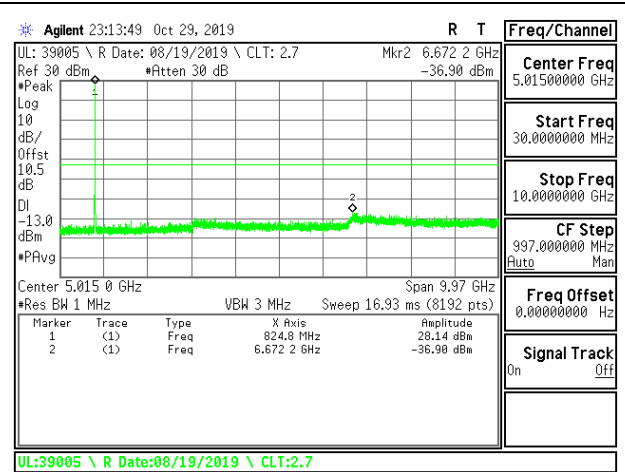
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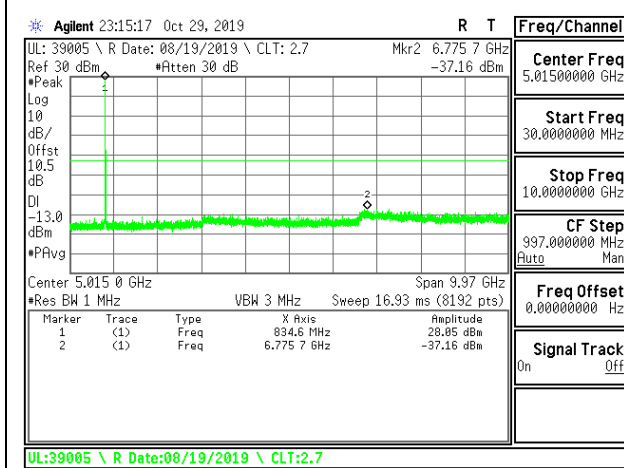
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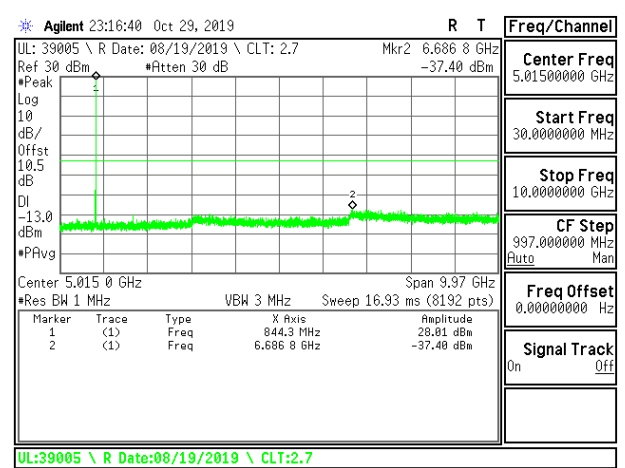
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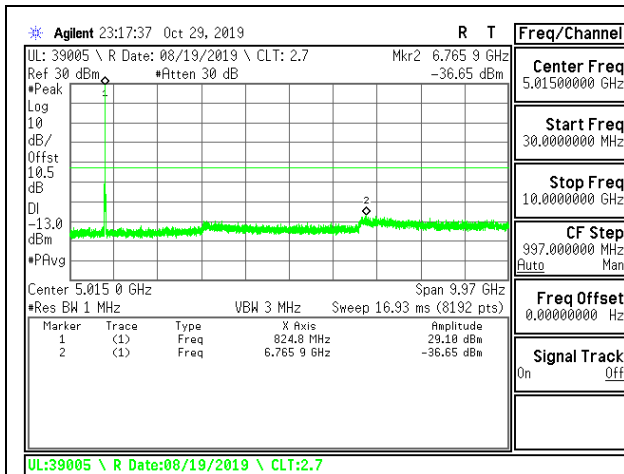
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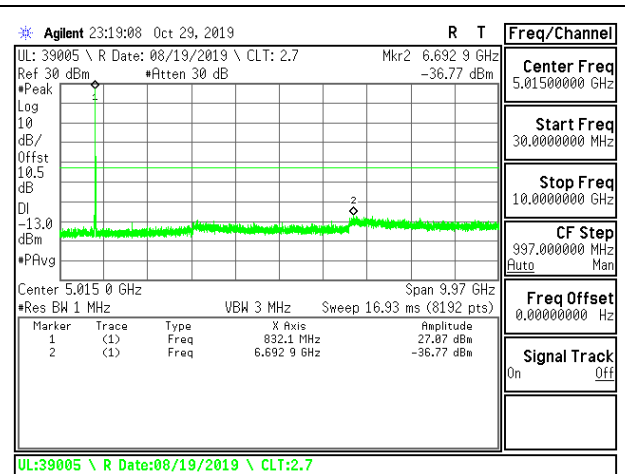
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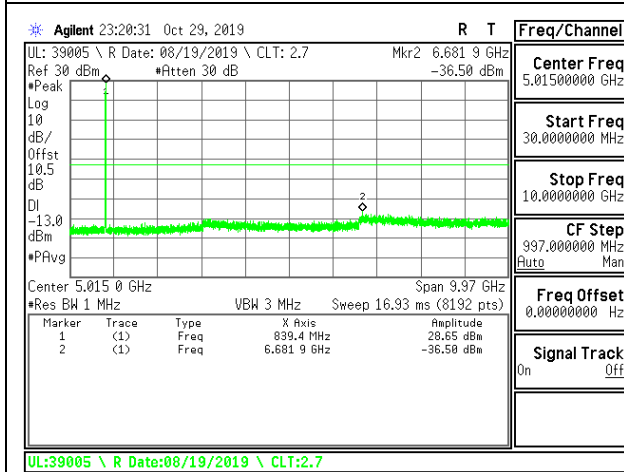
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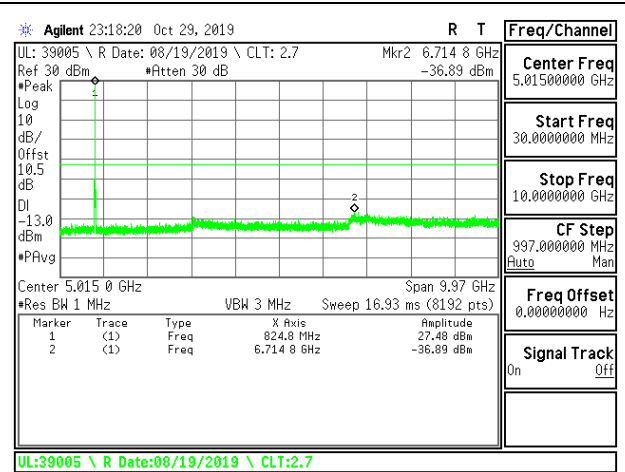
LTE B5 10MHz QPSK Low Channel RB1-0



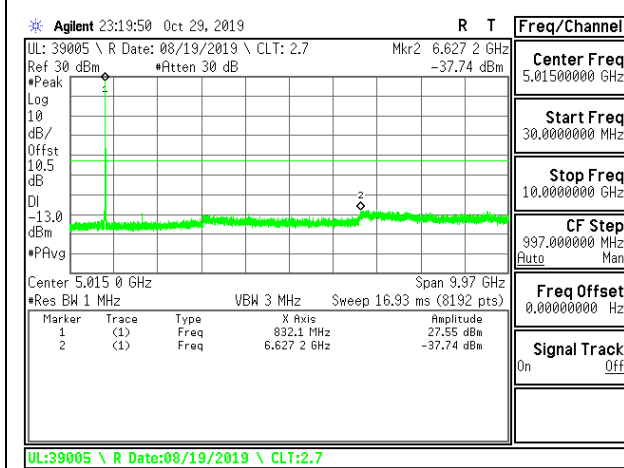
LTE B5 10MHz QPSK Mid Channel RB1-0



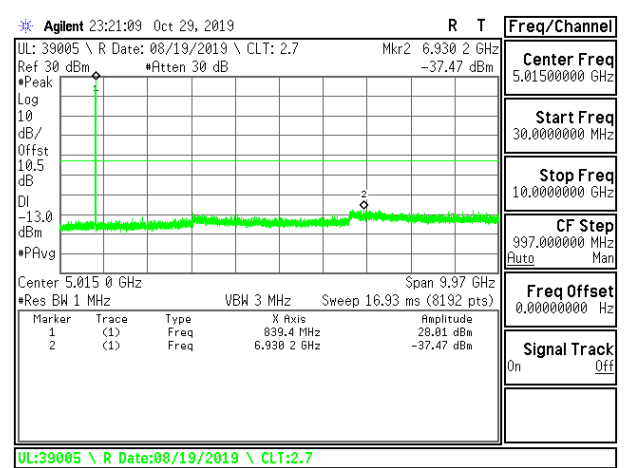
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LTE B5 10MHz 16QAM Low Channel RB1-0

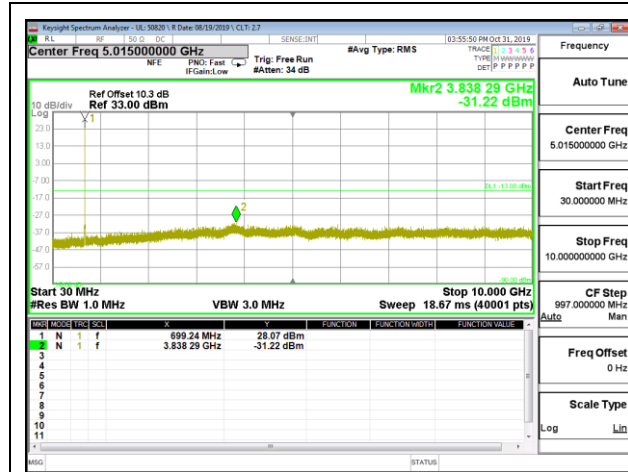


LTE B5 10MHz 16QAM Mid Channel RB1-0

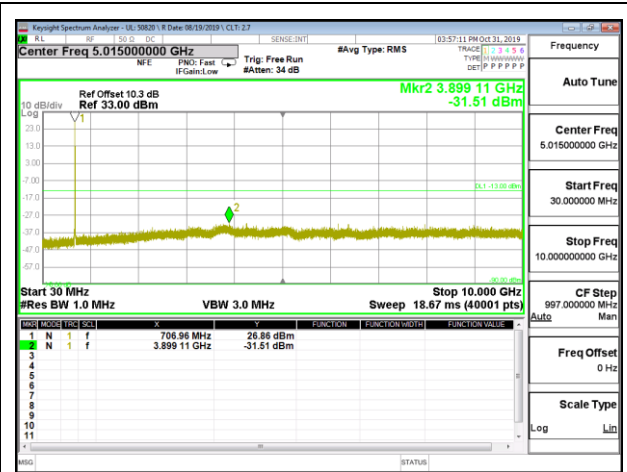


LTE B5 10MHz 16QAM High Channel RB1-0

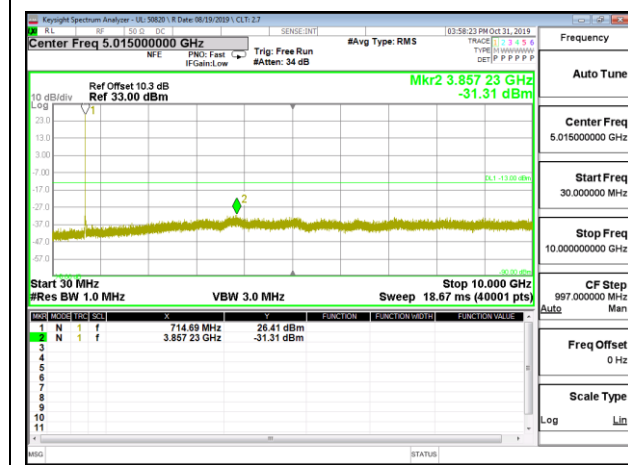
8.3.9. LTE BAND 12



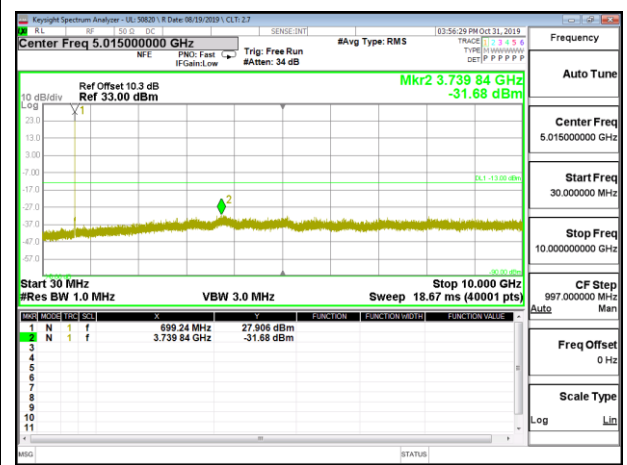
LTE B12 1.4MHz QPSK Low Channel RB1-0



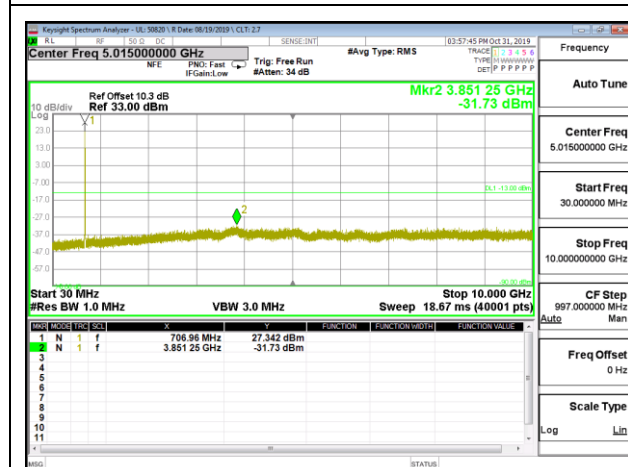
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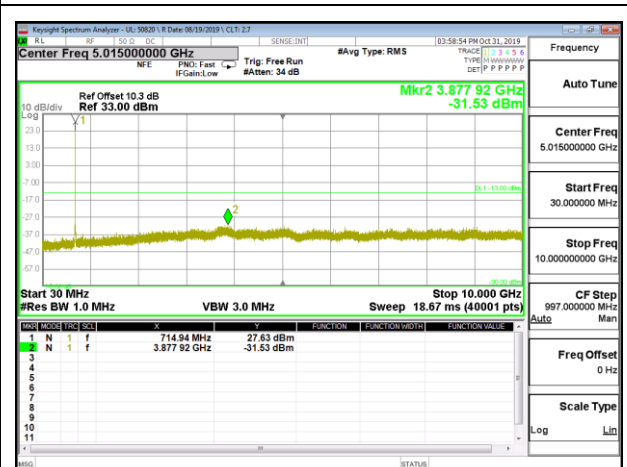
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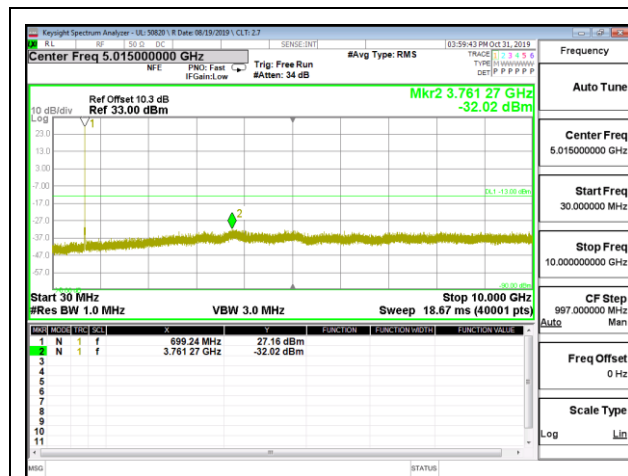
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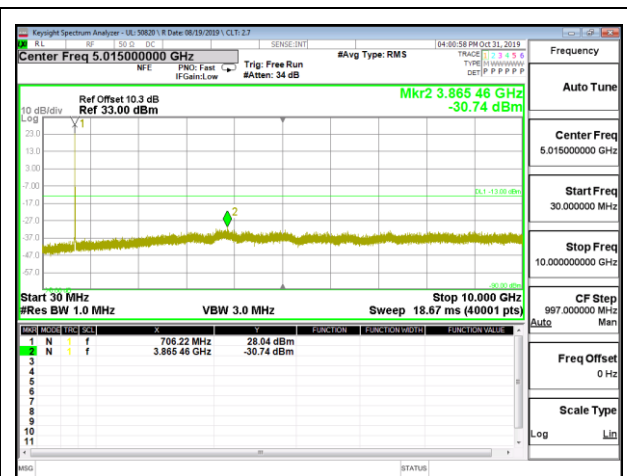
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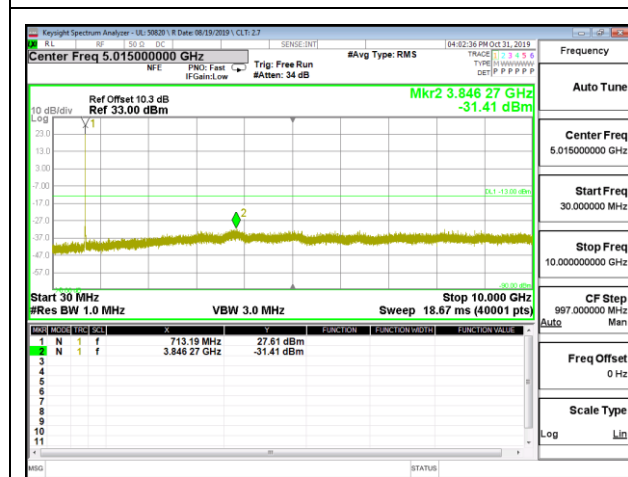
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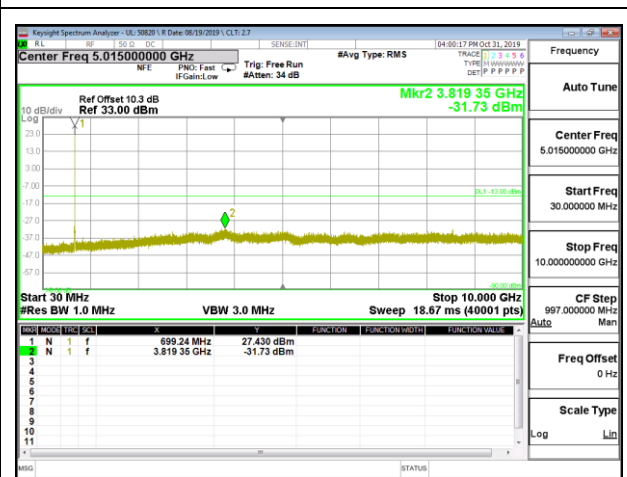
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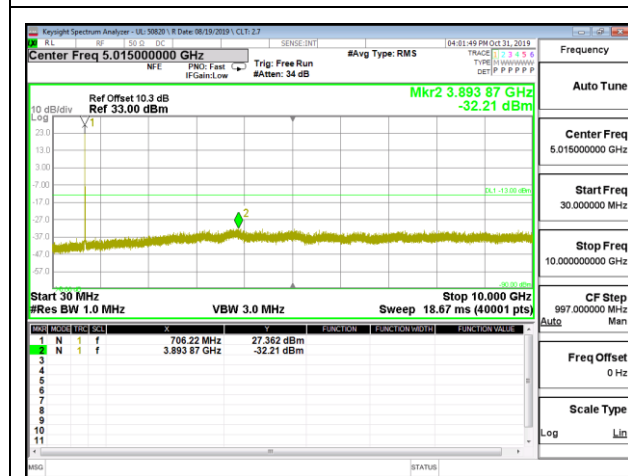
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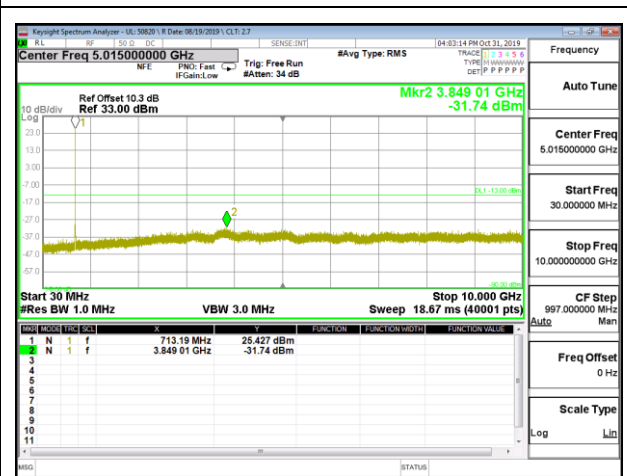
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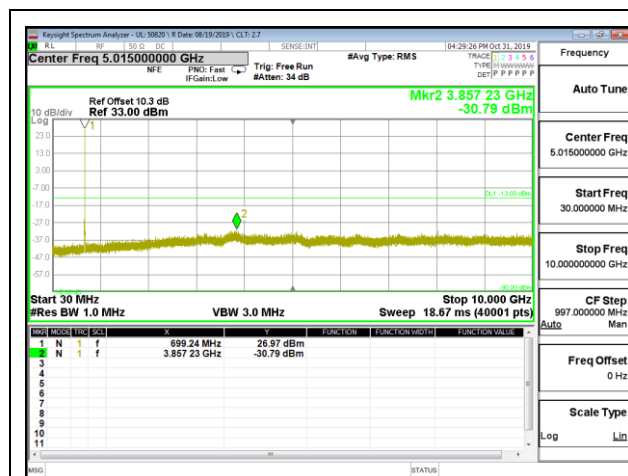
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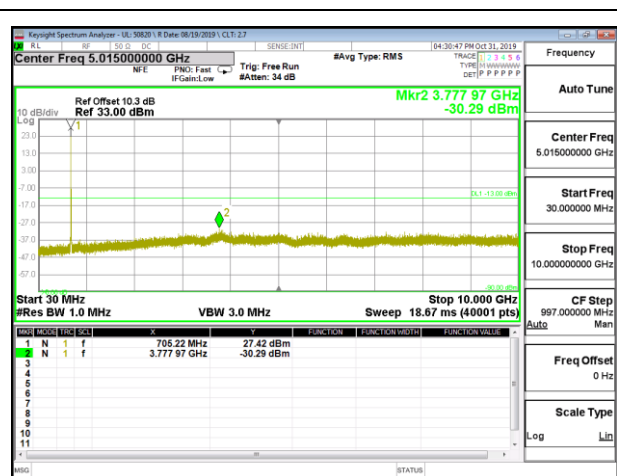
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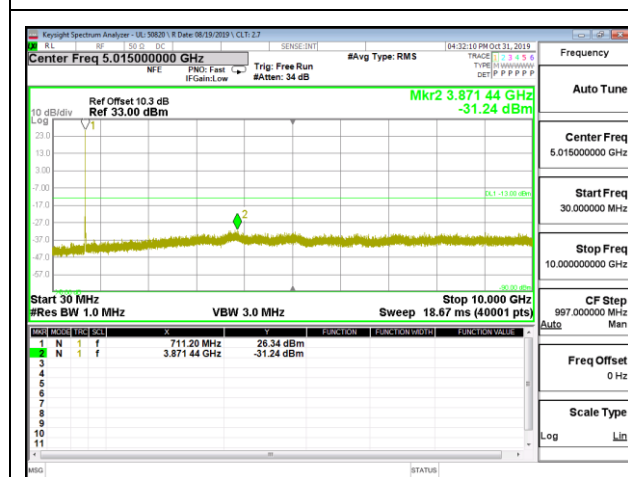
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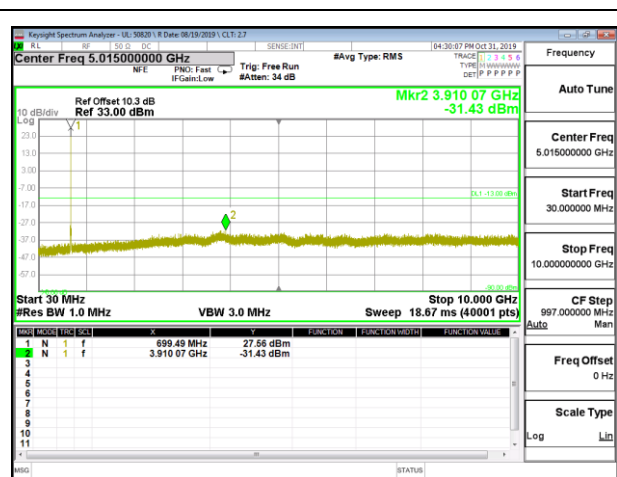
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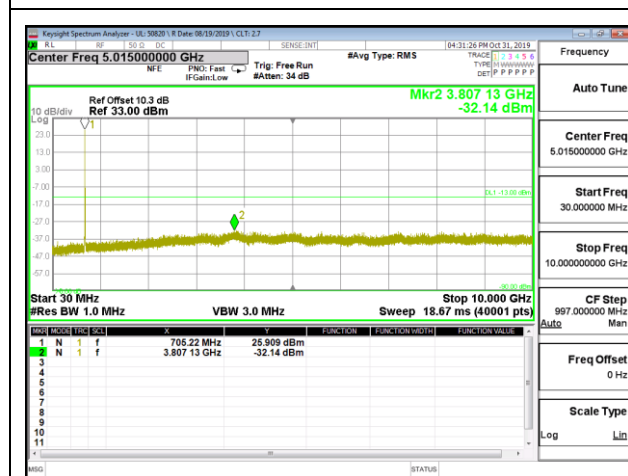
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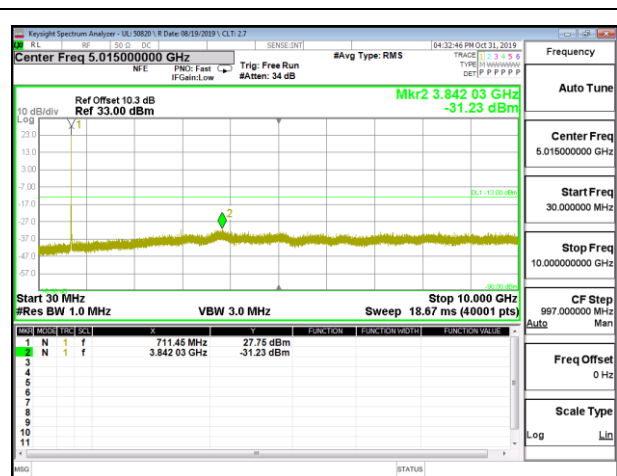
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LTE B12 5MHz 16QAM Low Channel RB1-0



LTE B12 5MHz 16QAM Mid Channel RB1-0



LTE B12 5MHz 16QAM High Channel RB1-0