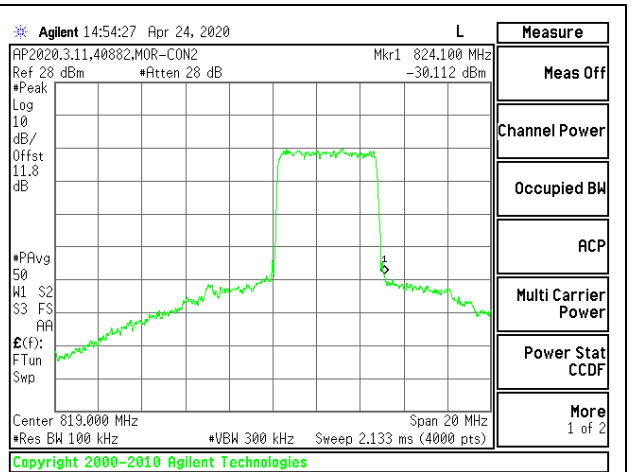
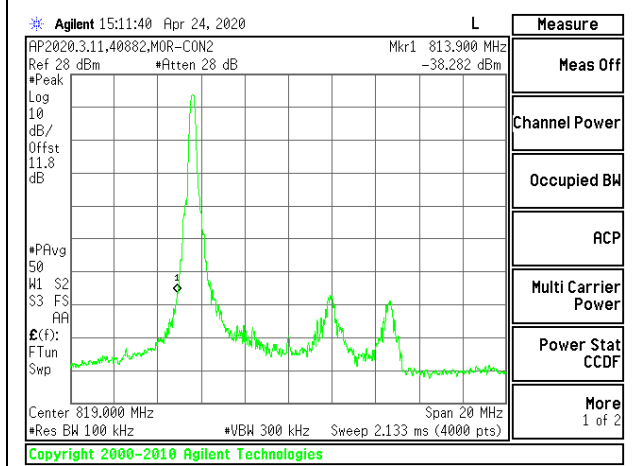


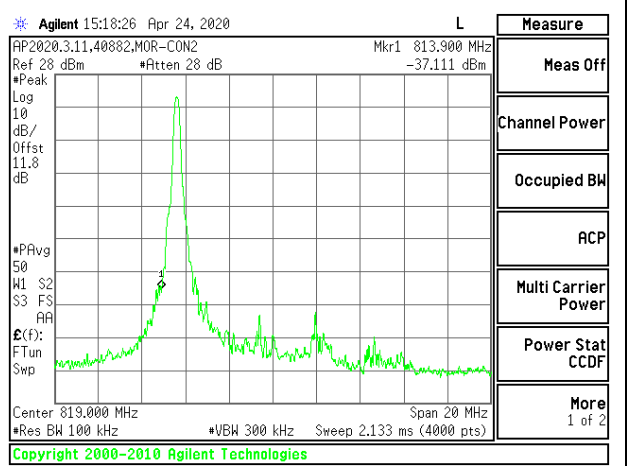
LTE B26 5MHz 16QAM Low Channel RB25-0



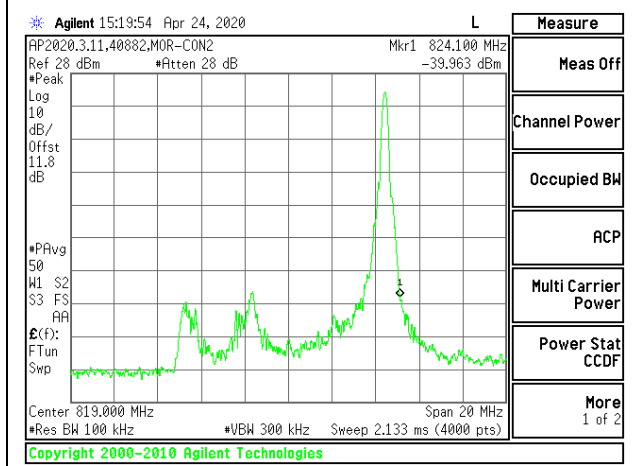
LTE B26 5MHz 16QAM High Channel RB25-0



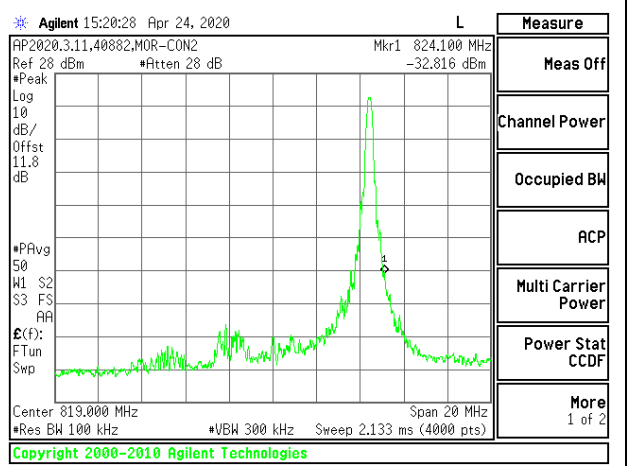
LTE B26 10MHz QPSK Middle Channel RB1-0



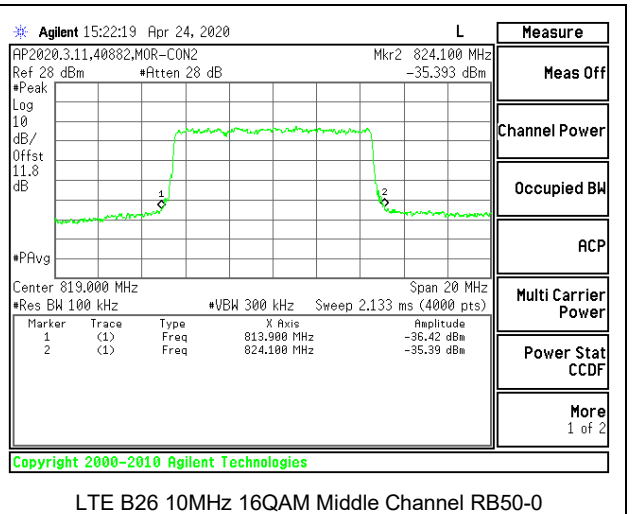
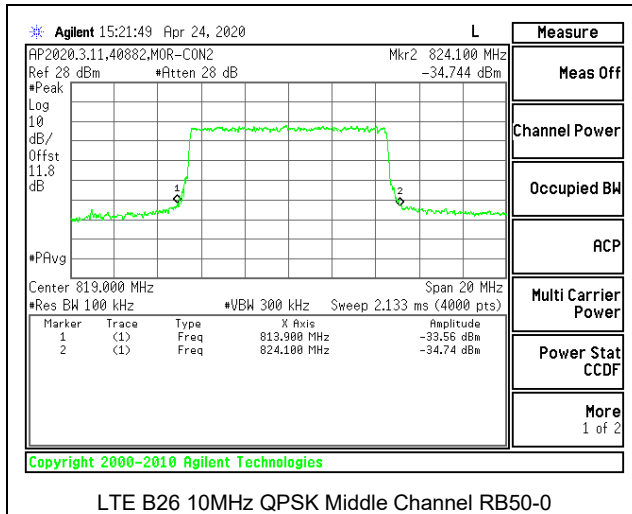
LTE B26 10MHz 16QAM Middle Channel RB1-0



LTE B26 10MHz QPSK Middle Channel RB1-49



LTE B26 10MHz 16QAM Middle Channel RB1-49

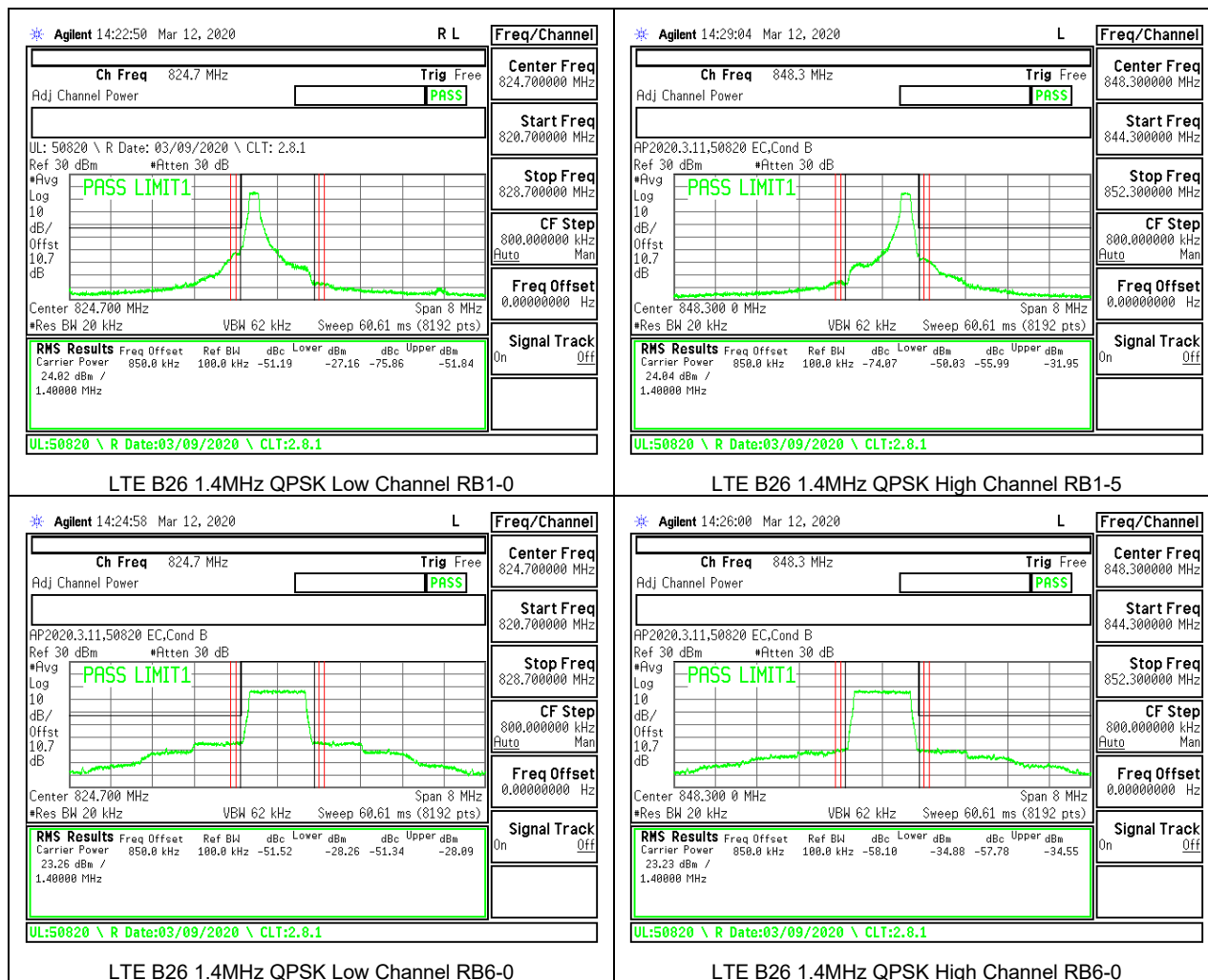


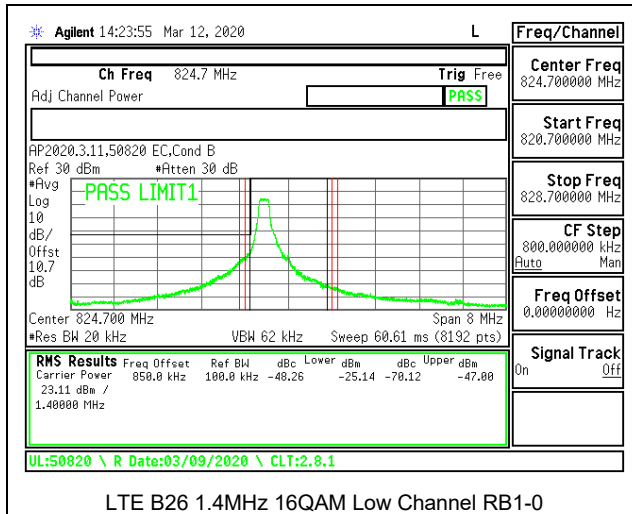
8.2.10. LTE BAND 26 BANDEDGE (FCC PART 22)

LIMITS

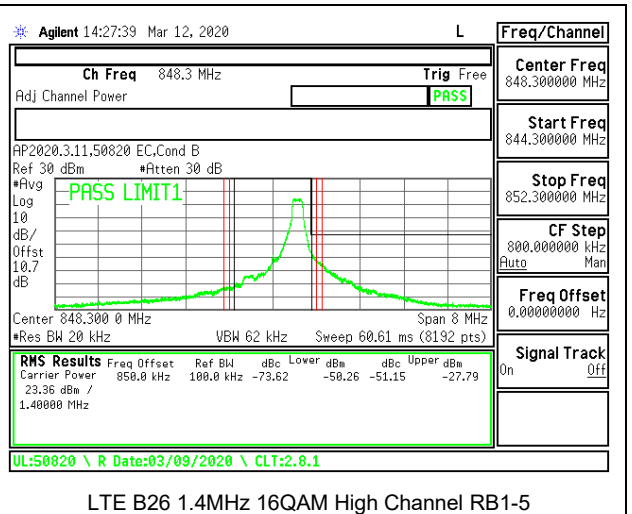
FCC: §22.917

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

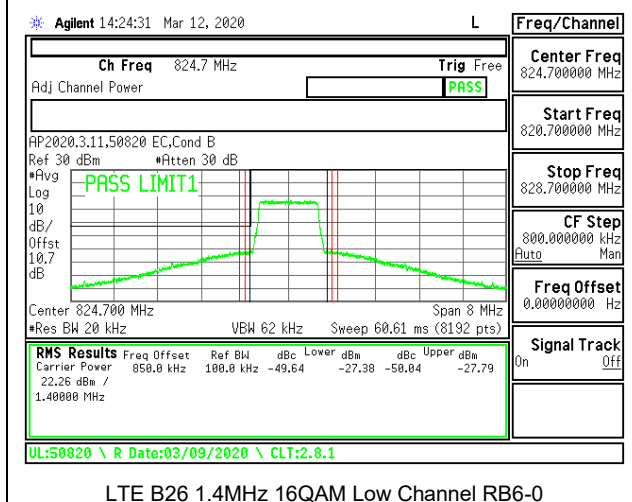




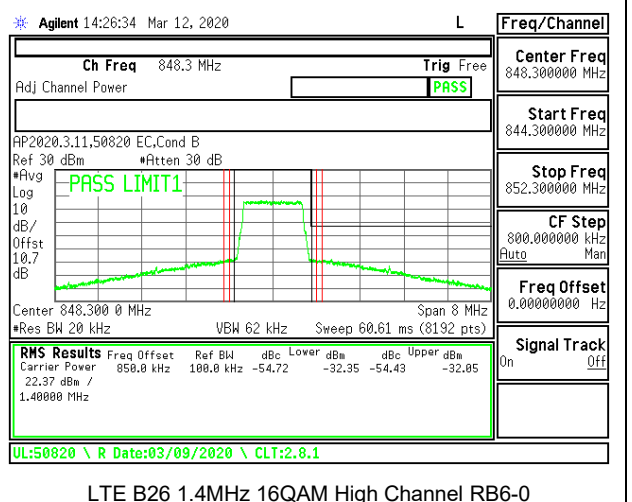
LTE B26 1.4MHz 16QAM Low Channel RB1-0



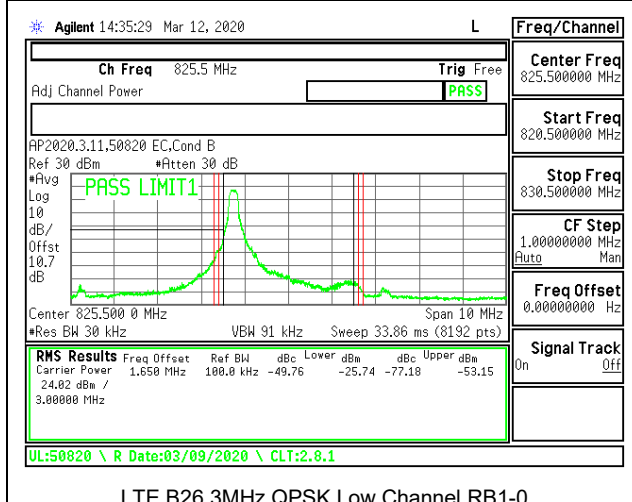
LTE B26 1.4MHz 16QAM High Channel RB1-5



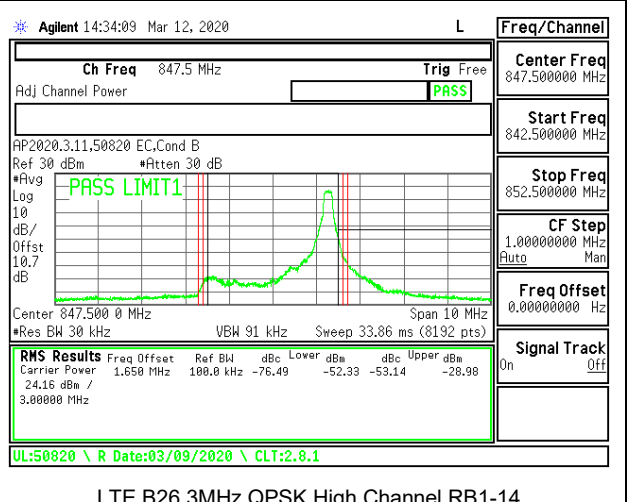
LTE B26 1.4MHz 16QAM Low Channel RB6-0



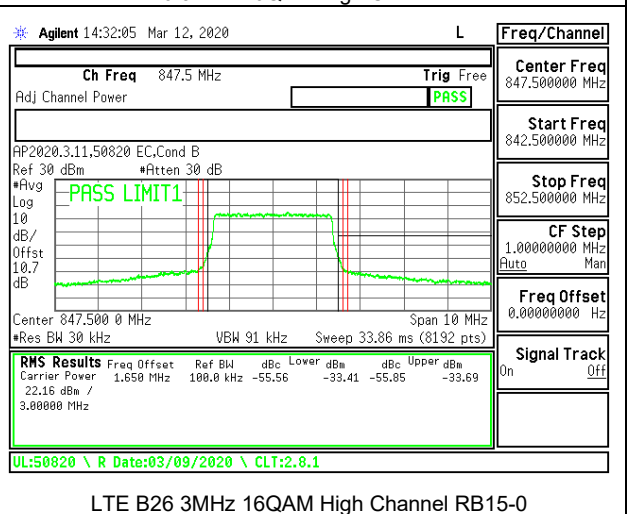
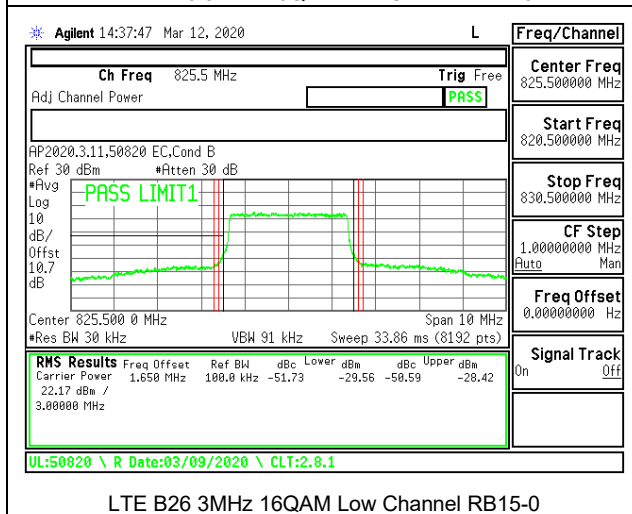
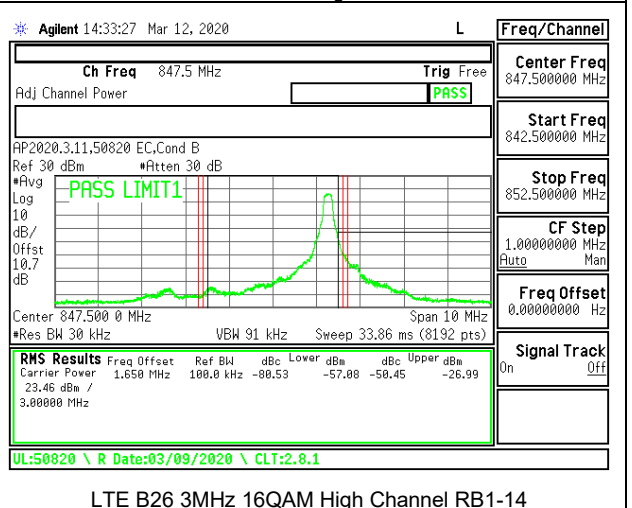
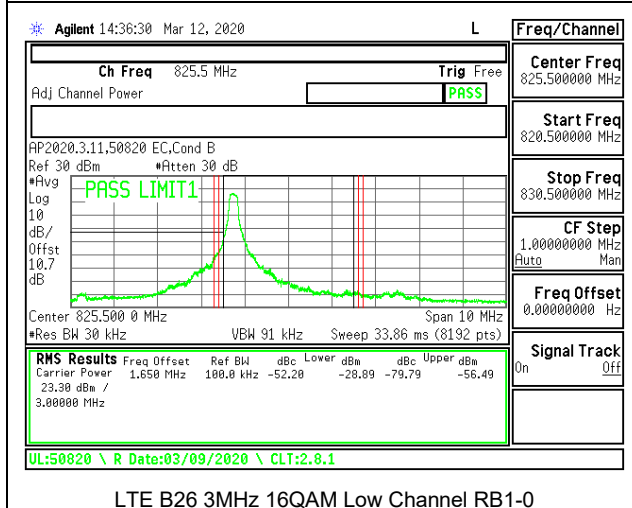
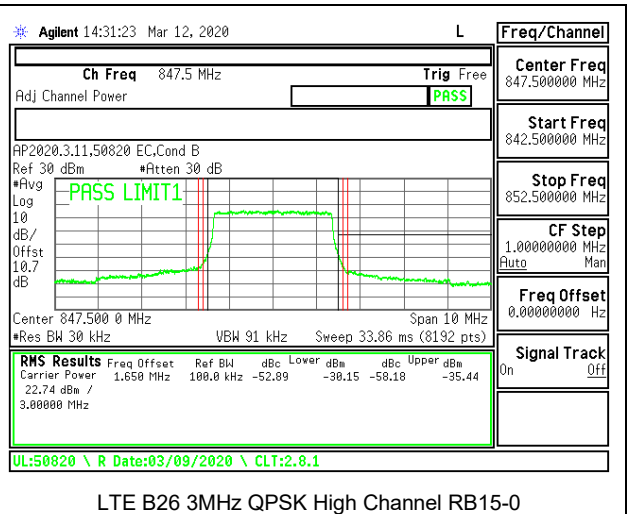
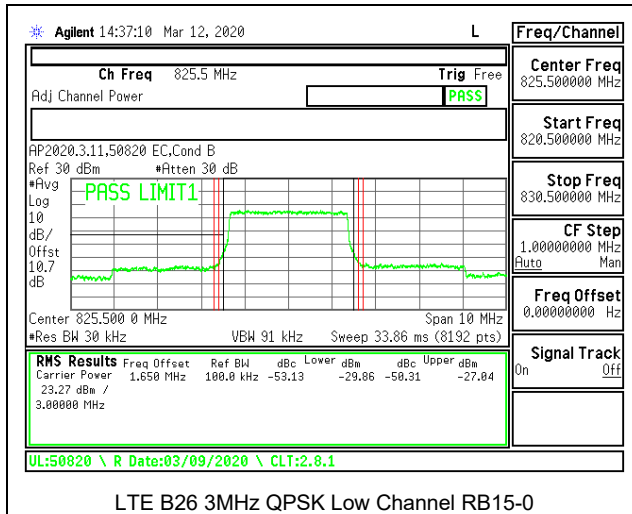
LTE B26 1.4MHz 16QAM High Channel RB6-0

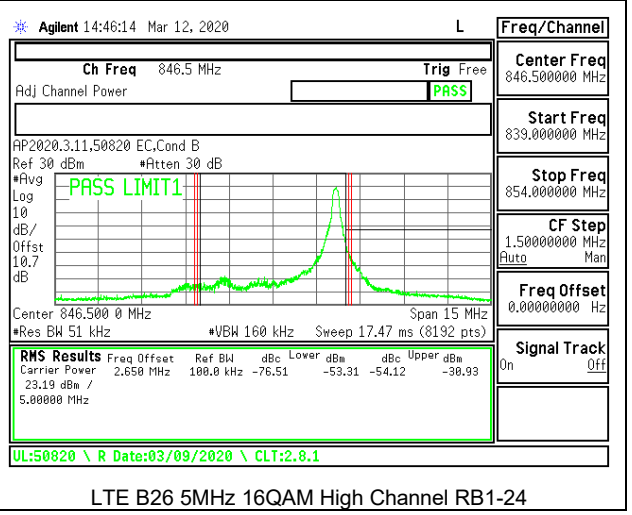
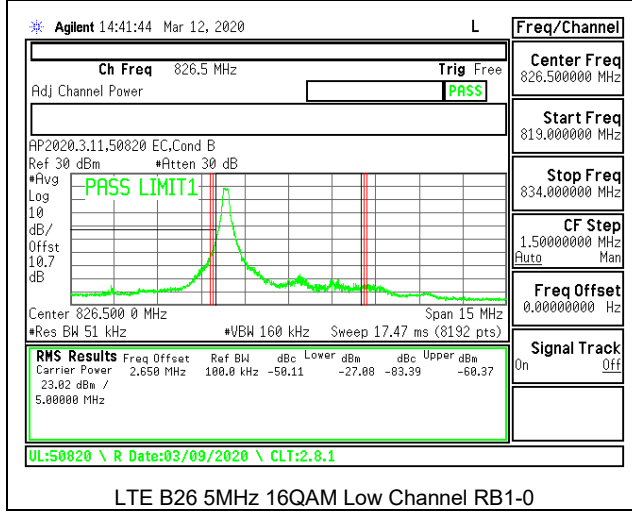
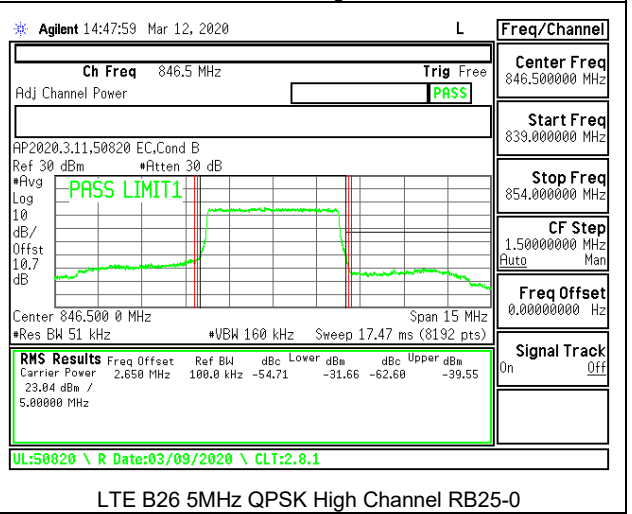
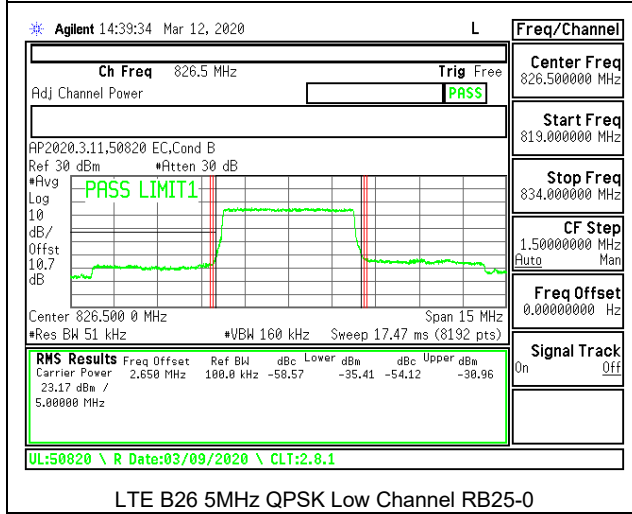
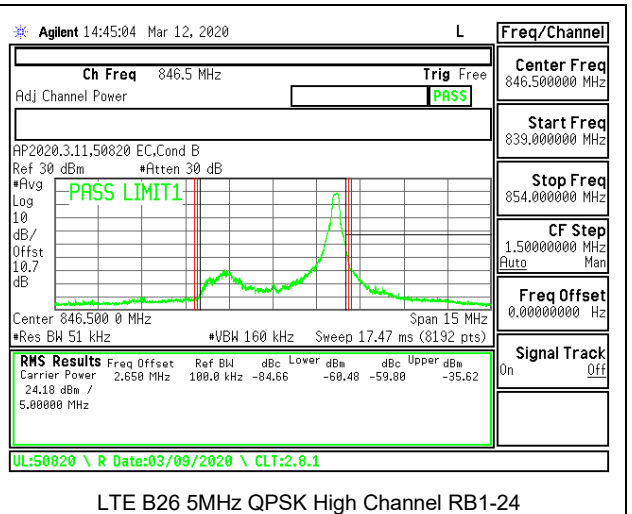
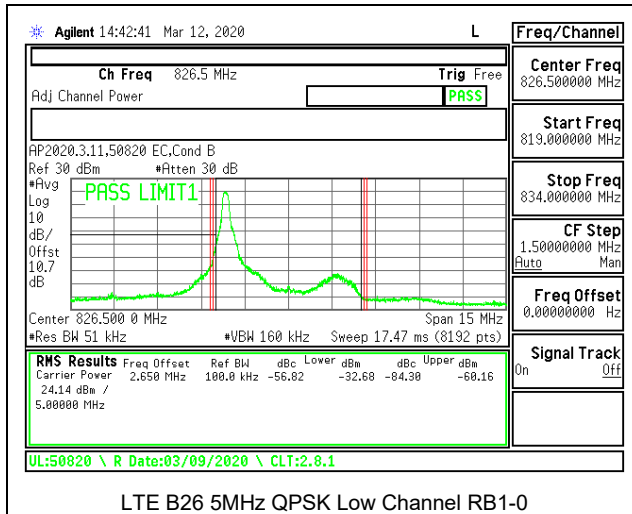


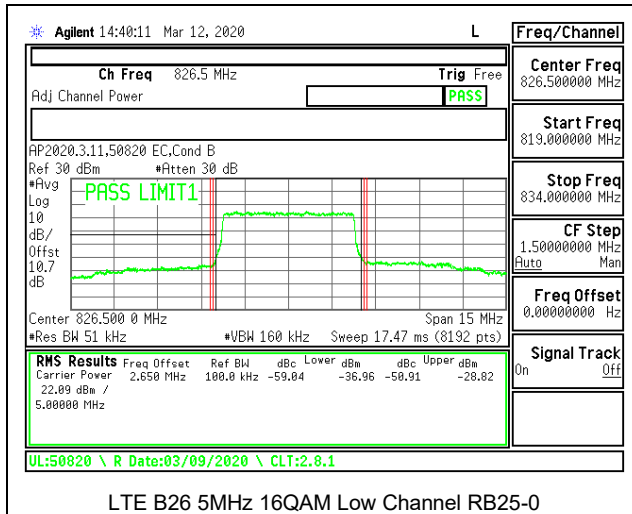
LTE B26 3MHz QPSK Low Channel RB1-0



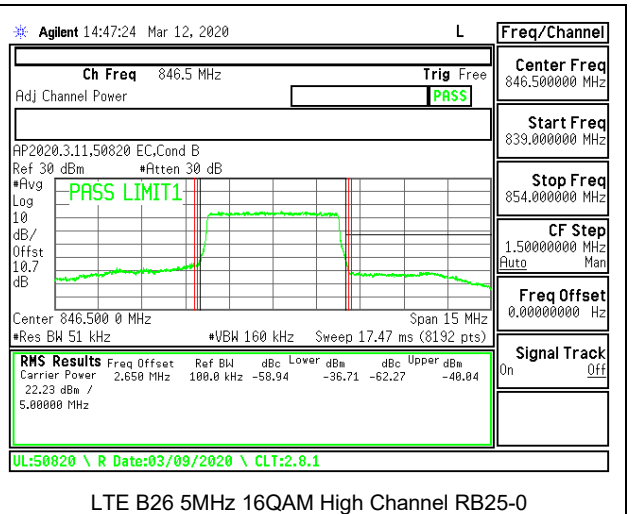
LTE B26 3MHz QPSK High Channel RB1-14



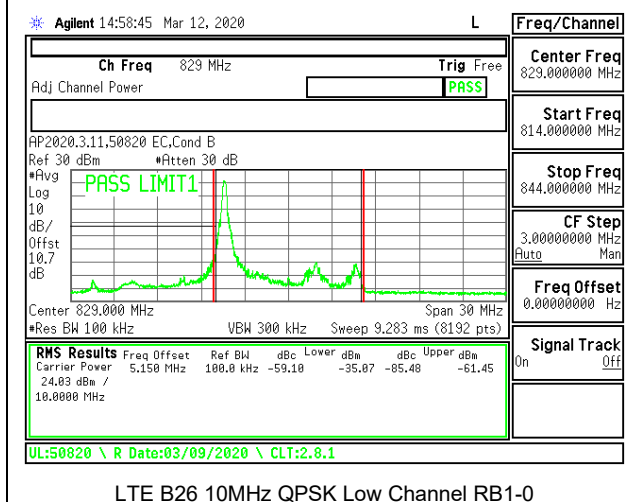




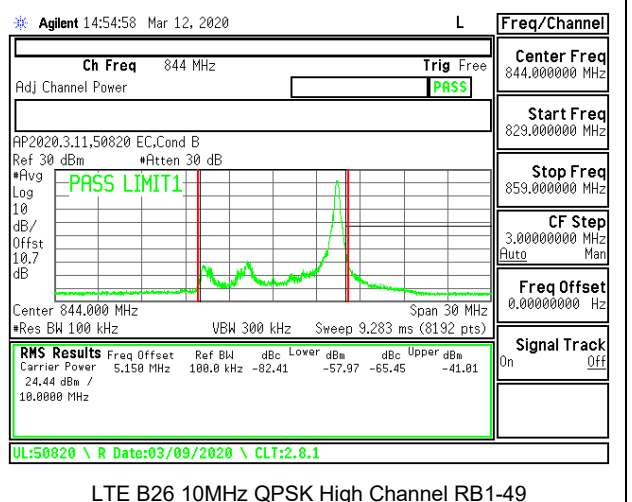
LTE B26 5MHz 16QAM Low Channel RB25-0



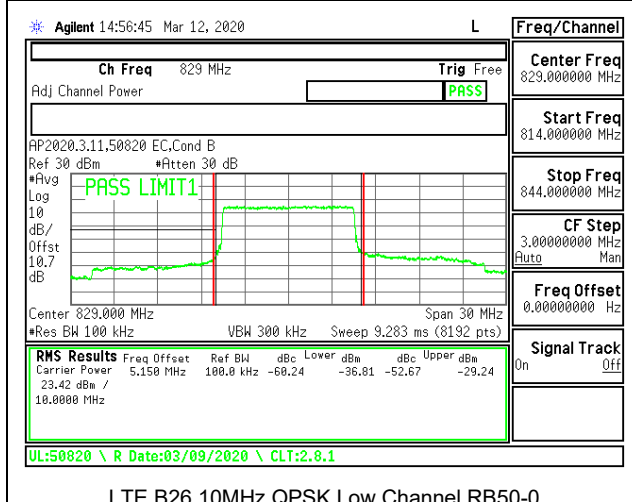
LTE B26 5MHz 16QAM High Channel RB25-0



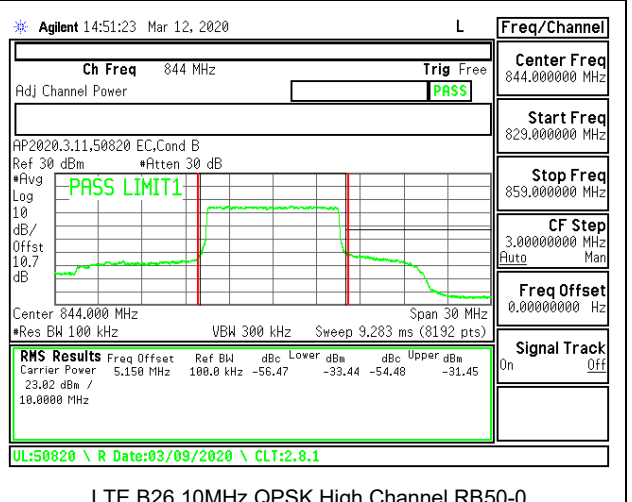
LTE B26 10MHz QPSK Low Channel RB1-0



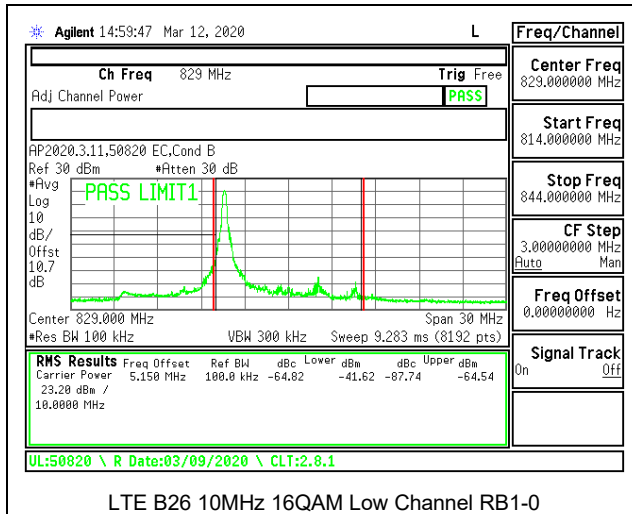
LTE B26 10MHz QPSK High Channel RB1-49



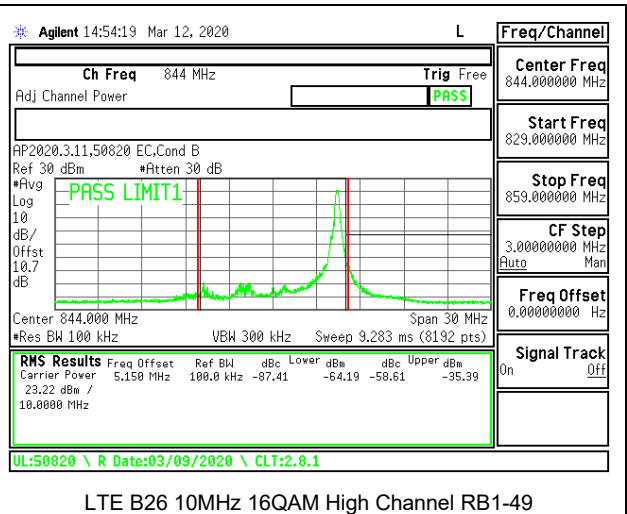
LTE B26 10MHz QPSK Low Channel RB50-0



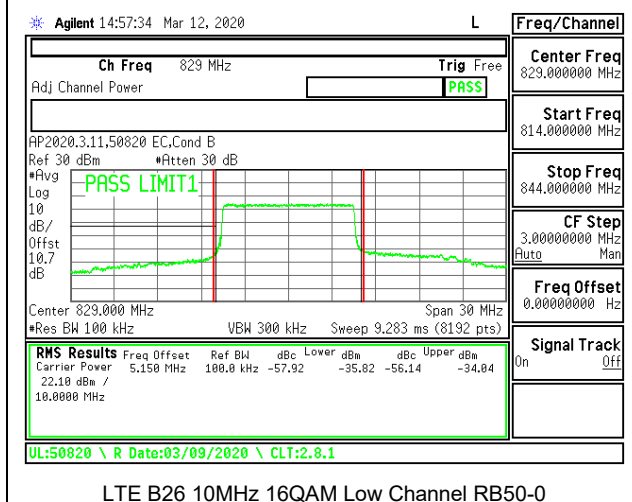
LTE B26 10MHz QPSK High Channel RB50-0



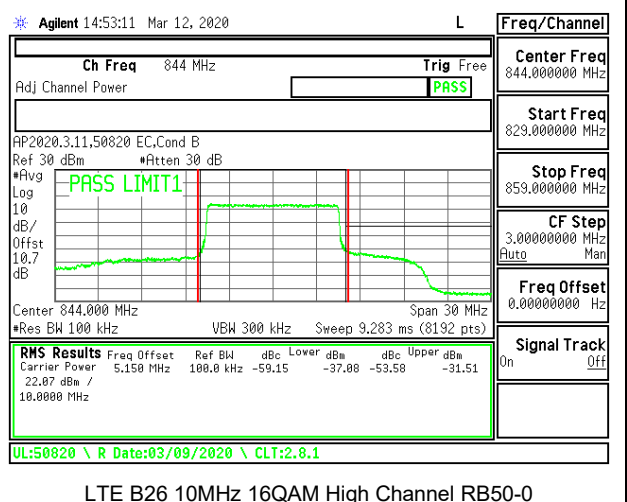
LTE B26 10MHz 16QAM Low Channel RB1-0



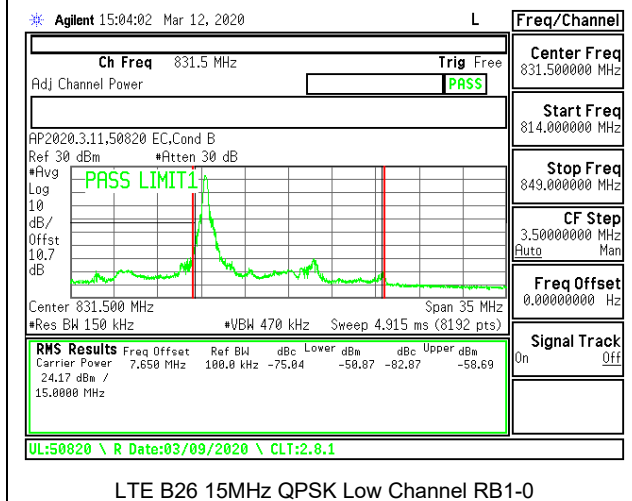
LTE B26 10MHz 16QAM High Channel RB1-49



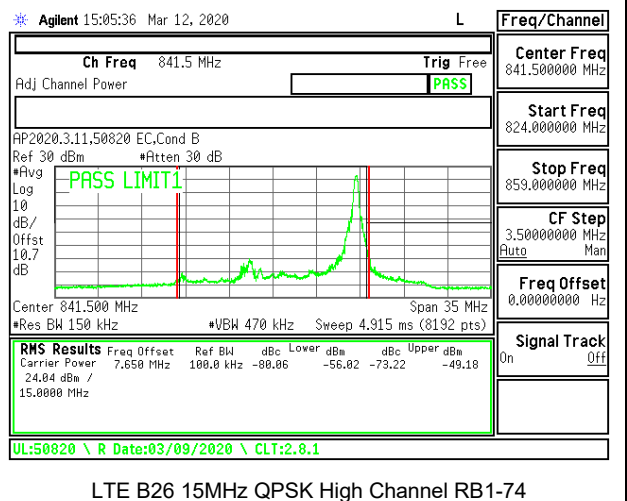
LTE B26 10MHz 16QAM Low Channel RB50-0



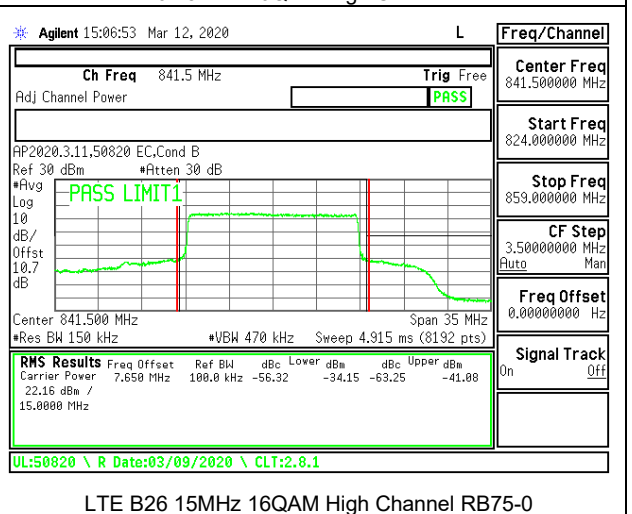
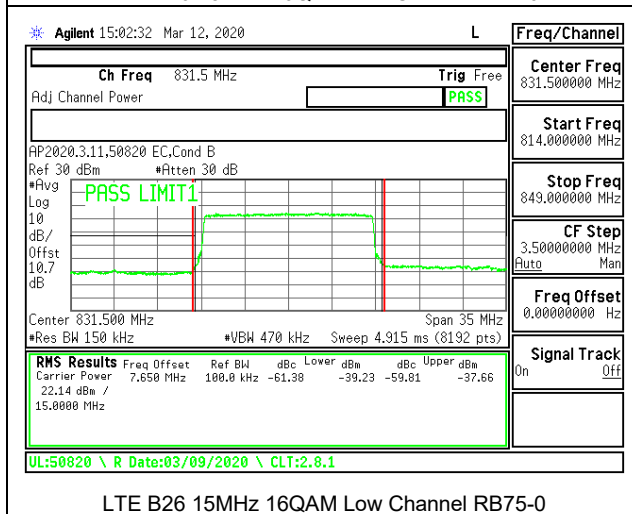
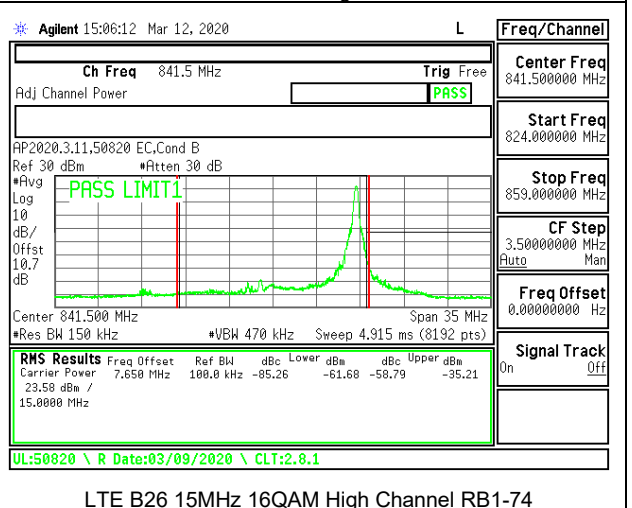
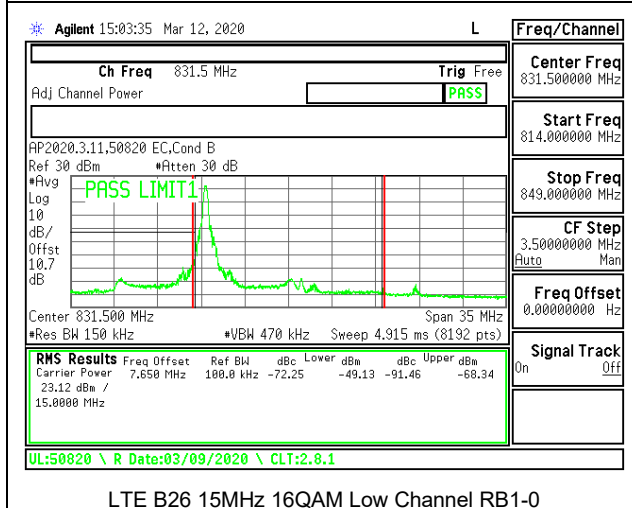
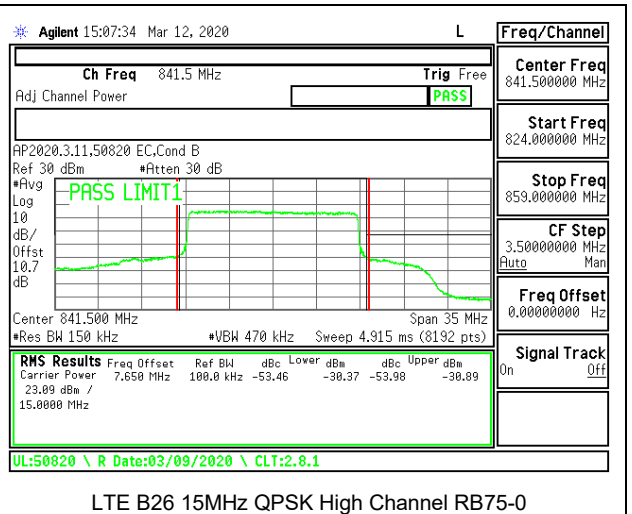
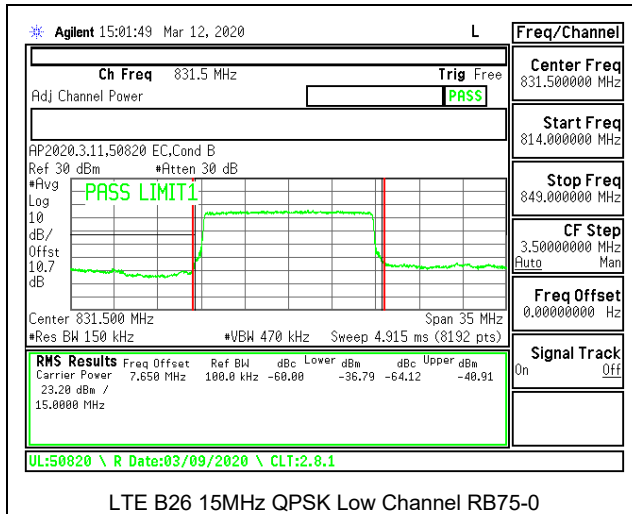
LTE B26 10MHz 16QAM High Channel RB50-0



LTE B26 15MHz QPSK Low Channel RB1-0



LTE B26 15MHz QPSK High Channel RB1-74



8.2.11. LTE BAND 30 ADJACENT CHANNEL POWER

LIMITS

FCC: §27.53

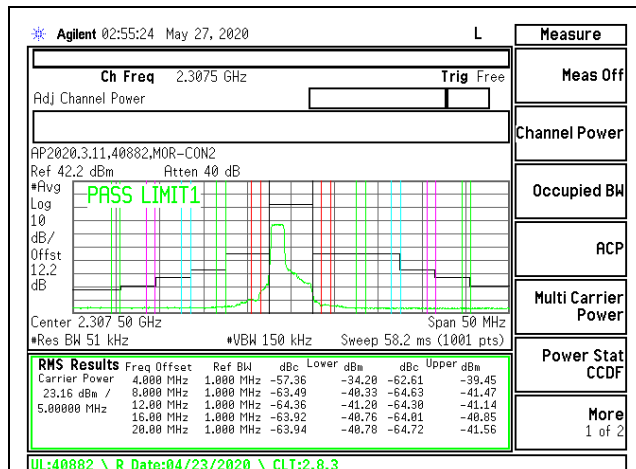
(a) For operations in the 2305-2320 MHz band and the 2345-2360 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power P (with averaging performed only during periods of transmission) within the licensed band(s) of operation, in watts, by the following amounts:

(4) For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:

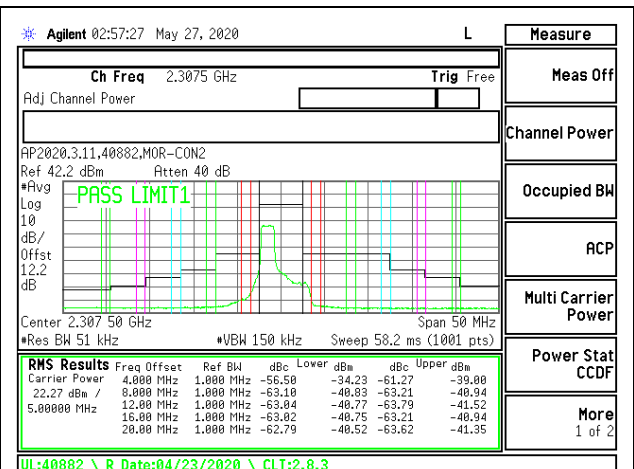
(i) By a factor of not less than: $43 + 10 \log (P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log (P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log (P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log (P)$ dB on all frequencies between 2328 and 2337 MHz;

(ii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log (P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log (P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log (P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log (P)$ dB below 2288 MHz;

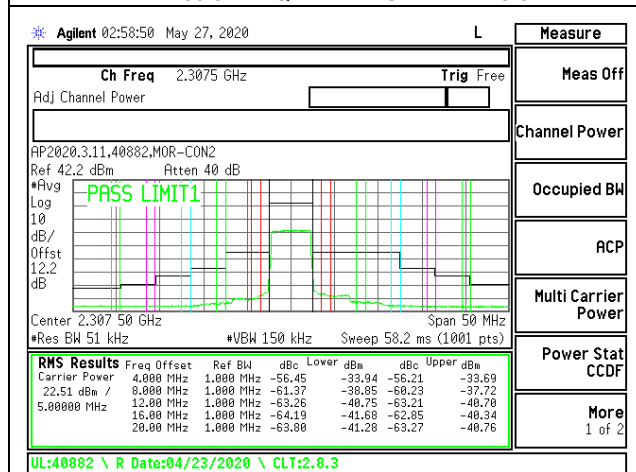
(iii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log (P)$ dB above 2365 MHz.



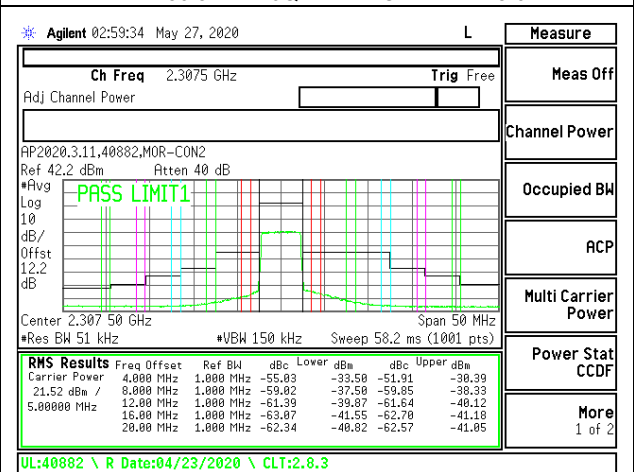
LTE B30 5MHz QPSK Low Channel RB8-0



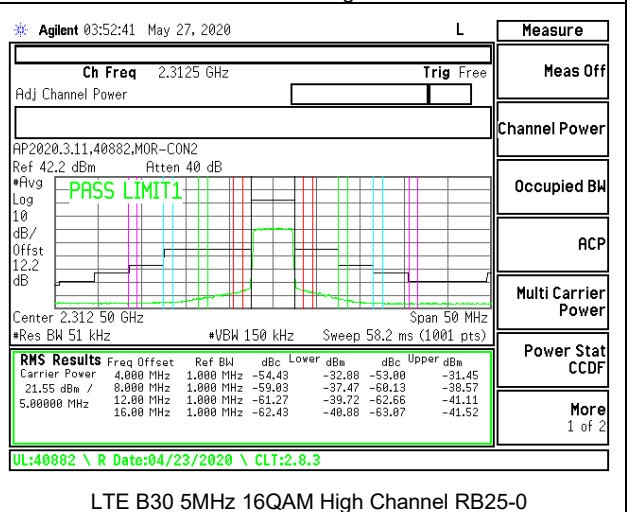
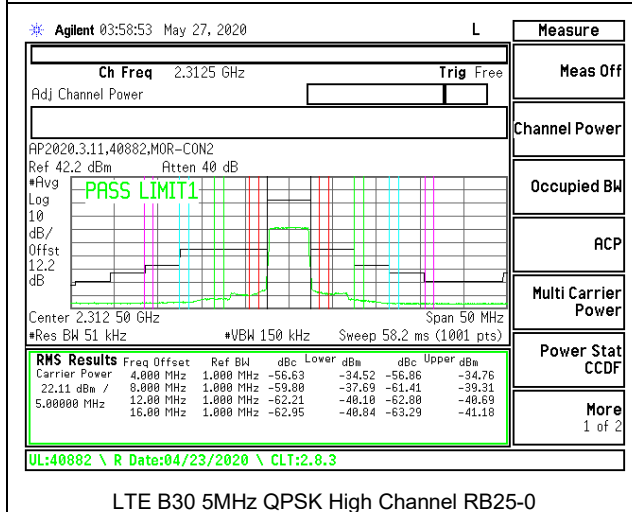
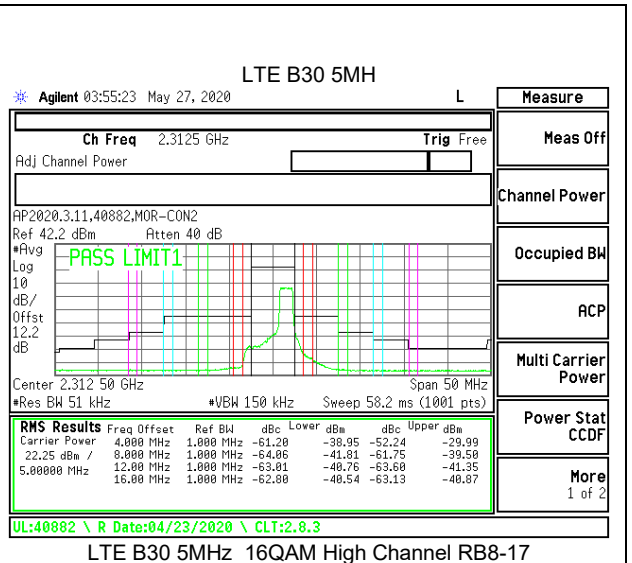
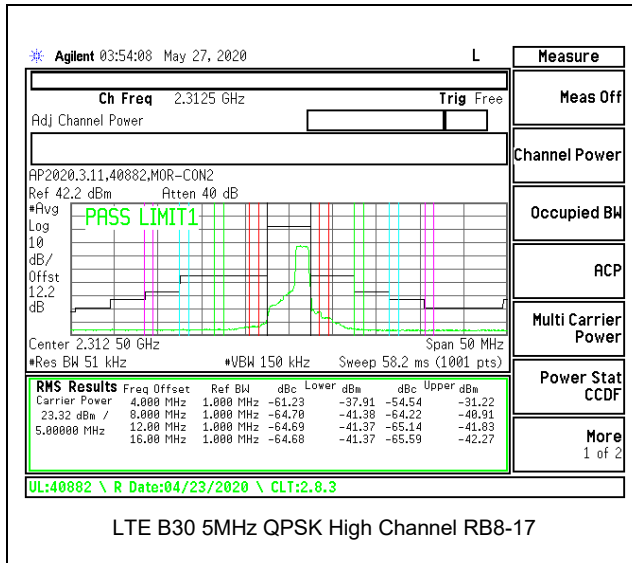
LTE B30 5MHz 16QAM Low Channel RB8-0

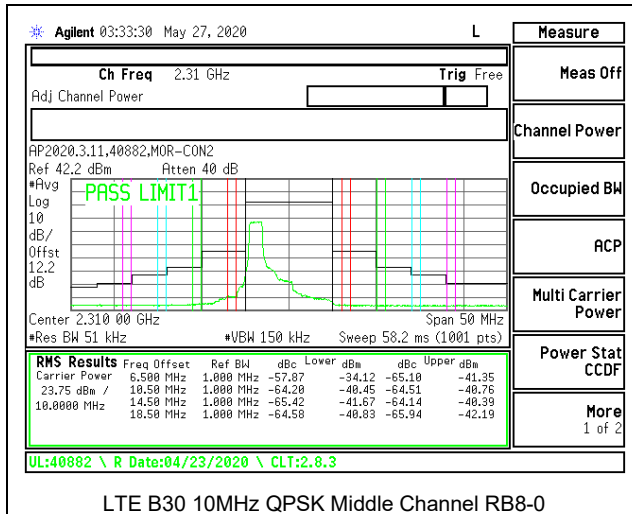


LTE B30 5MHz QPSK Low Channel RB25-0

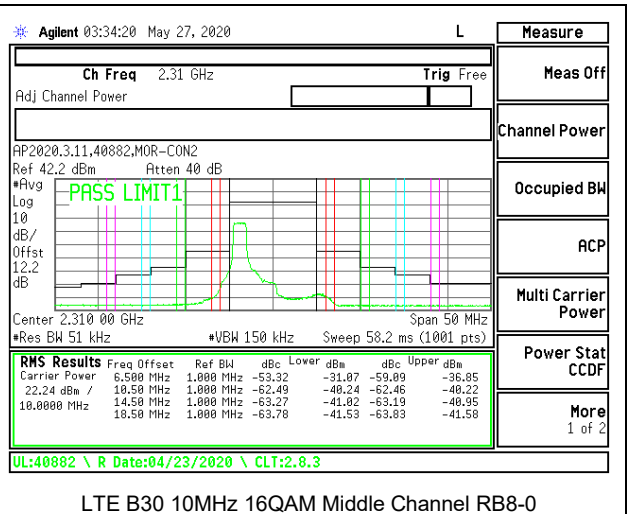


LTE B30 5MHz 16QAM Low Channel RB25-0

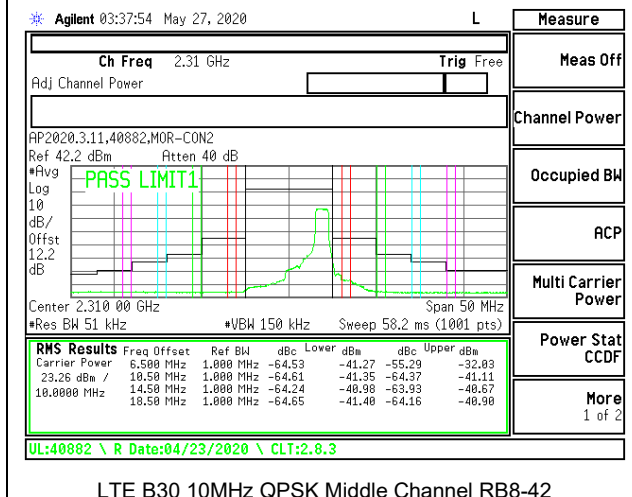




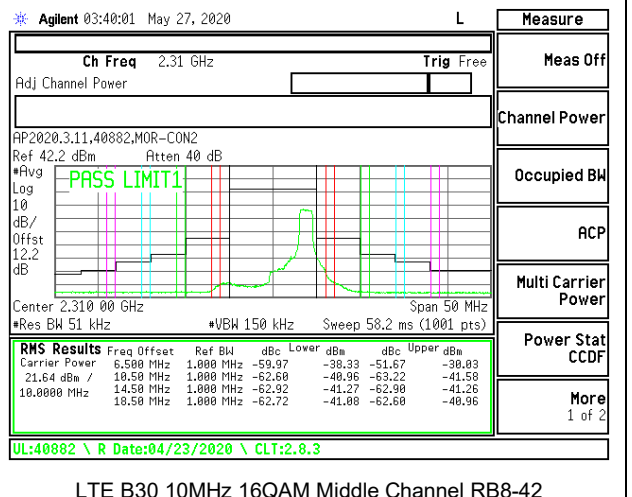
LTE B30 10MHz QPSK Middle Channel RB8-0



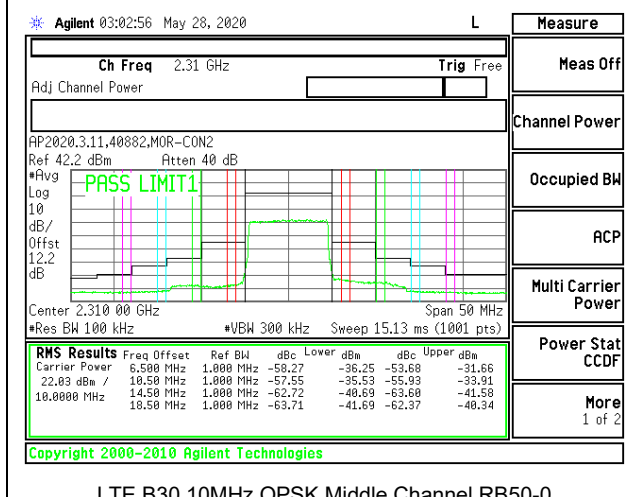
LTE B30 10MHz 16QAM Middle Channel RB8-0



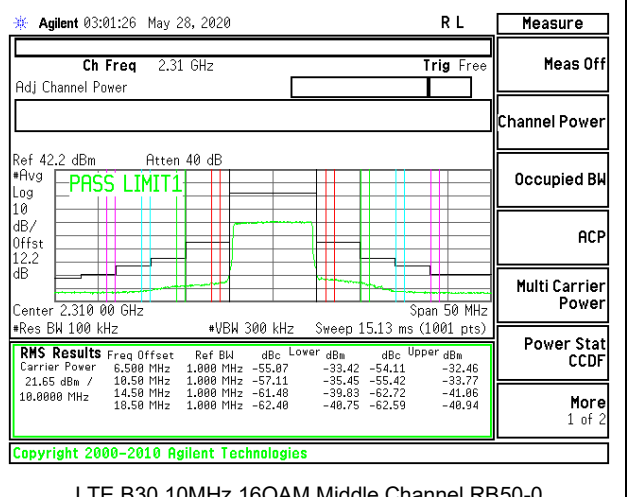
LTE B30 10MHz QPSK Middle Channel RB8-42



LTE B30 10MHz 16QAM Middle Channel RB8-42



LTE B30 10MHz QPSK Middle Channel RB50-0



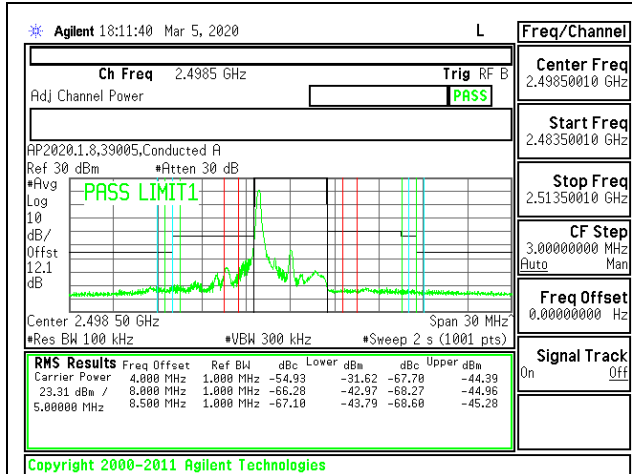
LTE B30 10MHz 16QAM Middle Channel RB50-0

8.2.12. LTE BAND 41 ADJACENT CHANNEL POWER

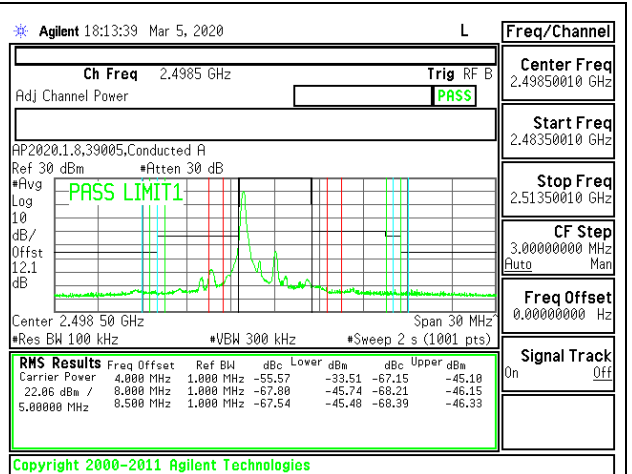
LIMITS

FCC: §27.53

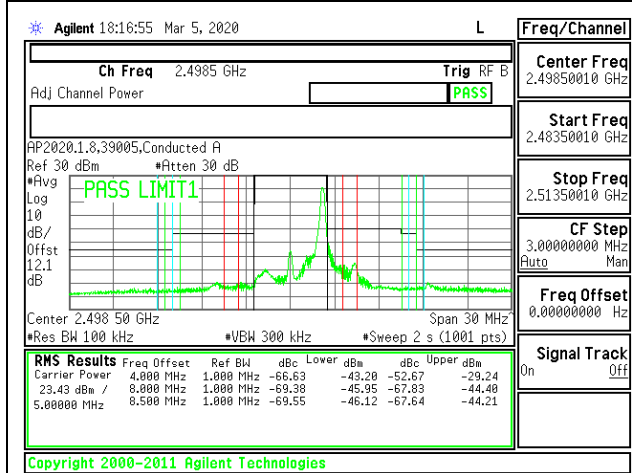
(m)(4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.



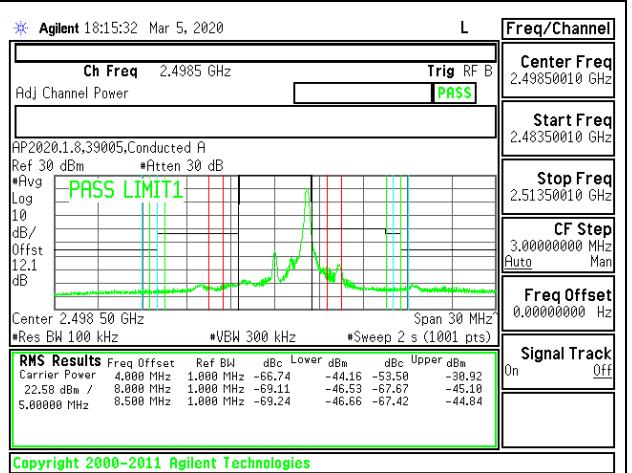
LTE B41 5MHz QPSK Low Channel RB1-0



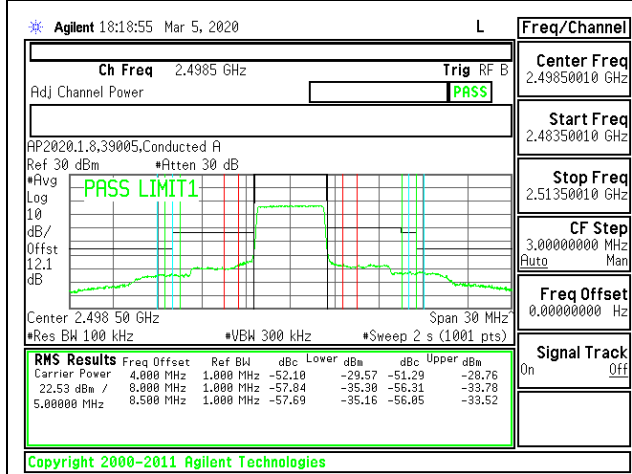
LTE B41 5MHz 16QAM Low Channel RB1-0



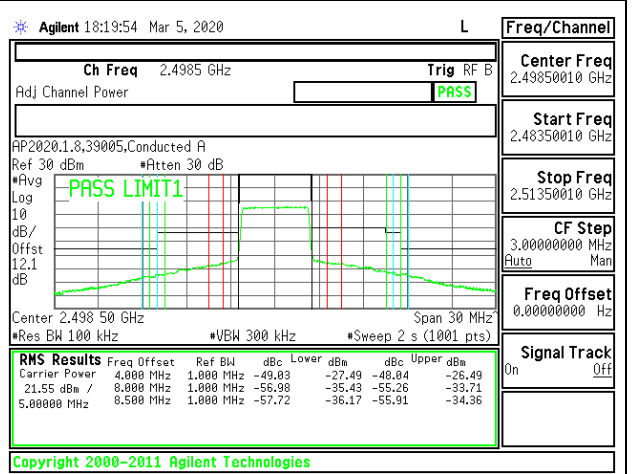
LTE B41 5MHz QPSK Low Channel RB1-24



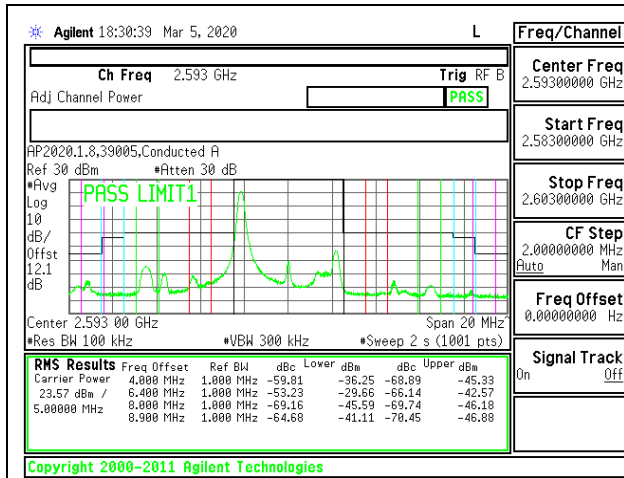
LTE B41 5MHz 16QAM Low Channel RB1-24



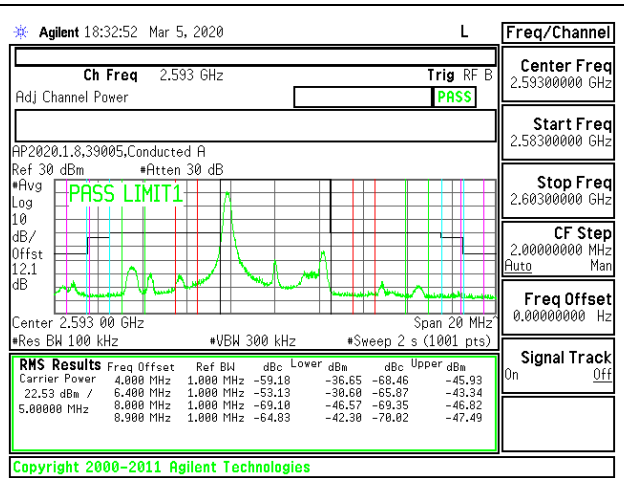
LTE B41 5MHz QPSK Low Channel RB25-0



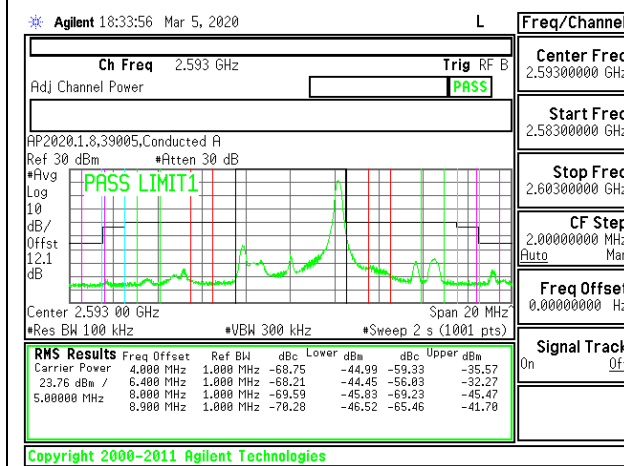
LTE B41 5MHz 16QAM Low Channel RB25-0



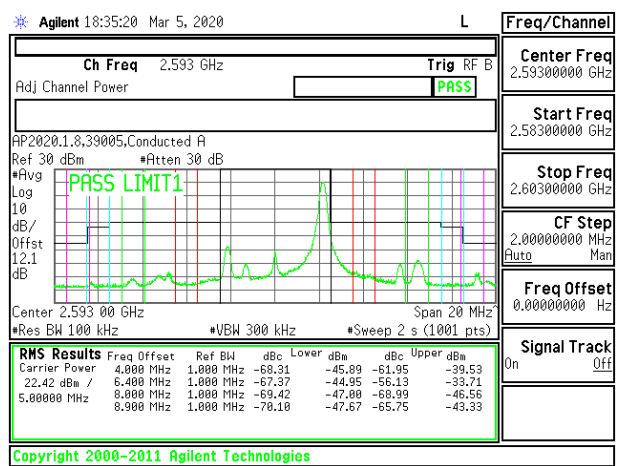
LTE B41 5MHz QPSK Middle Channel RB1-0



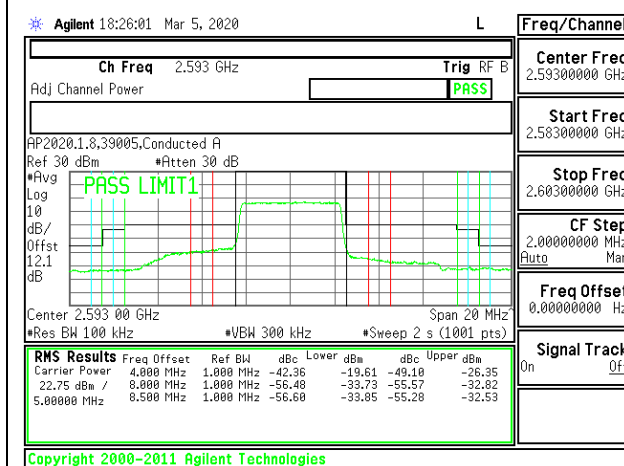
LTE B41 5MHz 16QAM Middle Channel RB1-0



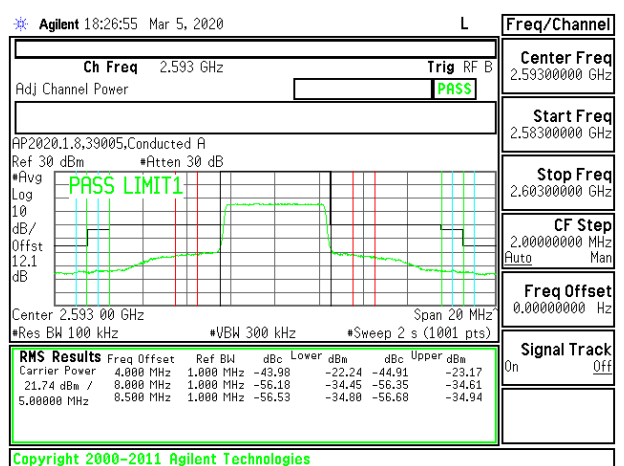
LTE B41 5MHz QPSK Middle Channel RB1-24



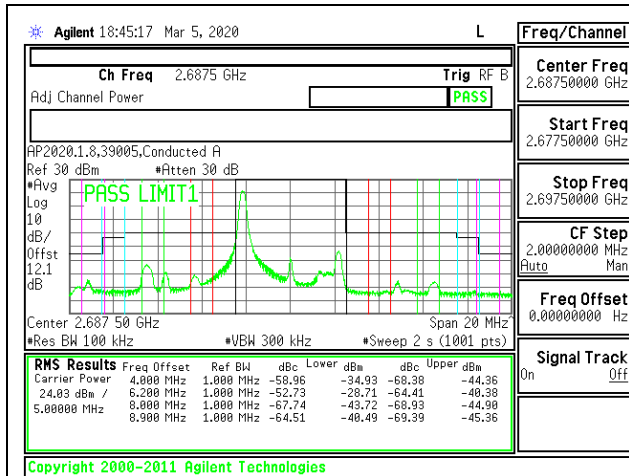
LTE B41 5MHz 16QAM Middle Channel RB1-24



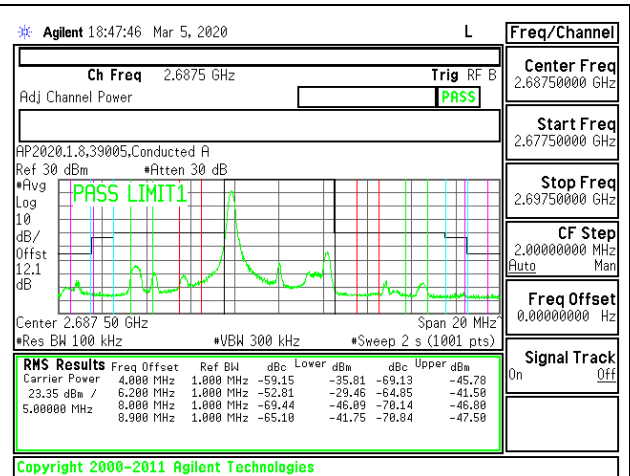
LTE B41 5MHz QPSK Middle Channel RB25-0



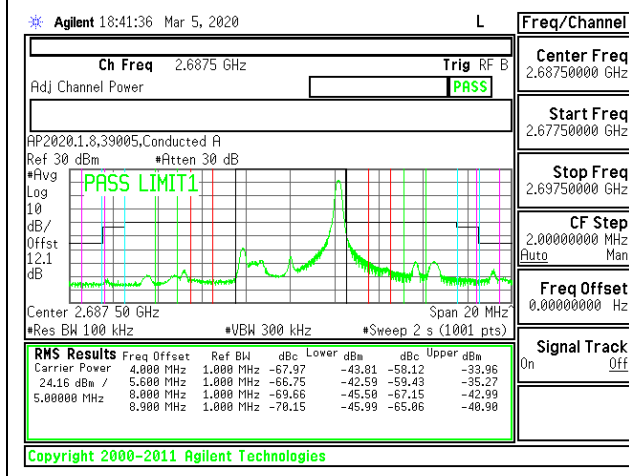
LTE B41 5MHz 16QAM Middle Channel RB25-0



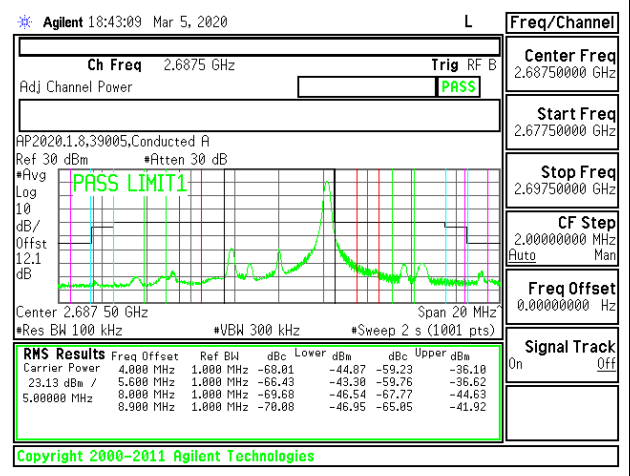
LTE B41 5MHz QPSK High Channel RB1-0



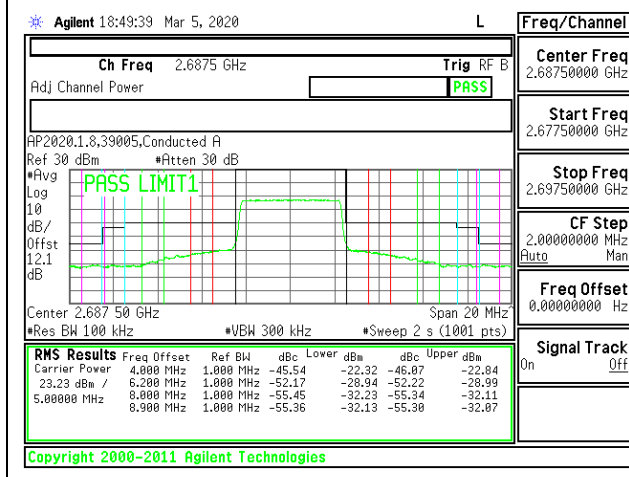
LTE B41 5MHz 16QAM High Channel RB1-0



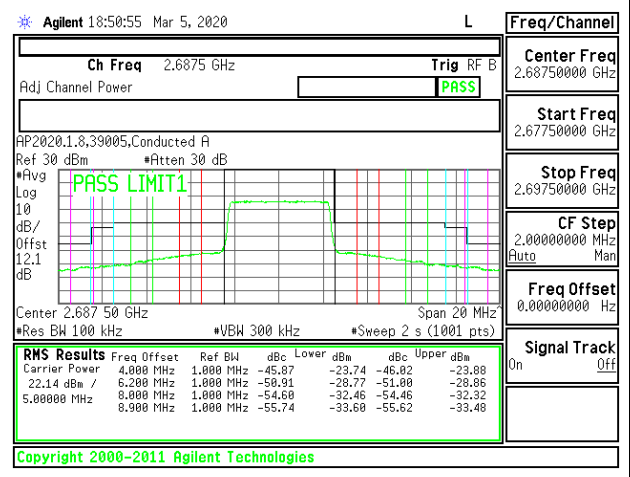
LTE B41 5MHz QPSK High Channel RB1-24



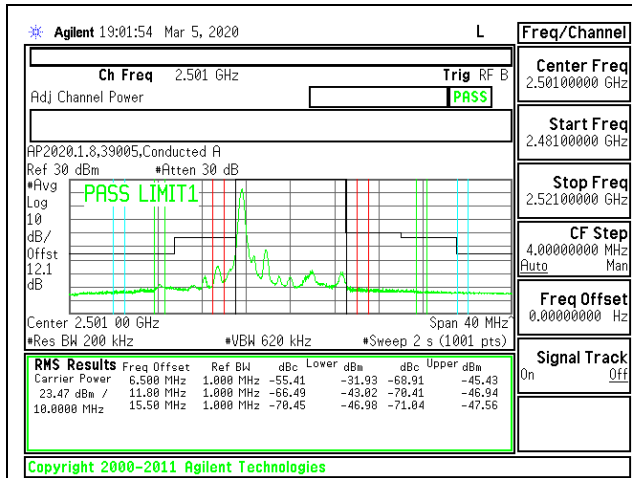
LTE B41 5MHz 16QAM High Channel RB1-24



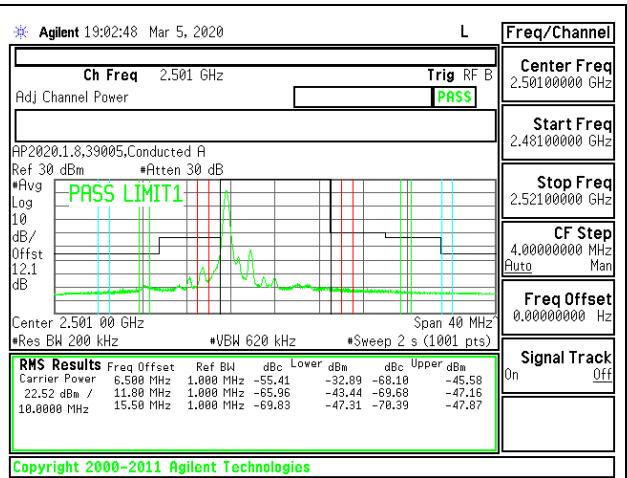
LTE B41 5MHz QPSK High Channel RB25-0



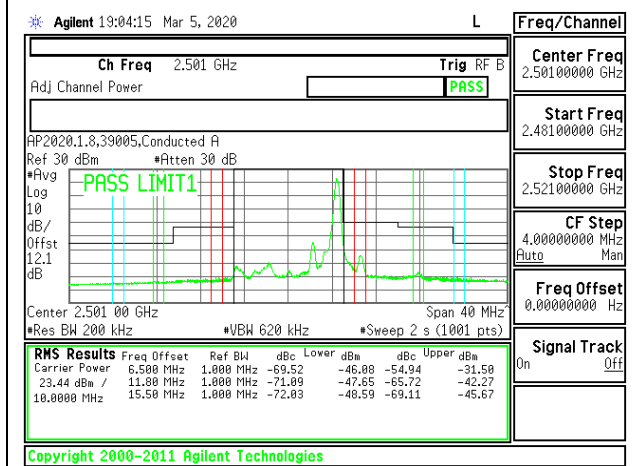
LTE B41 5MHz 16QAM High Channel RB25-0



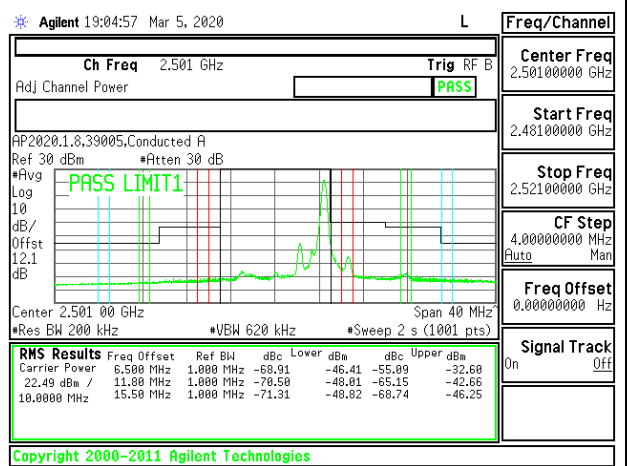
LTE B41 10MHz QPSK Low Channel RB1-0



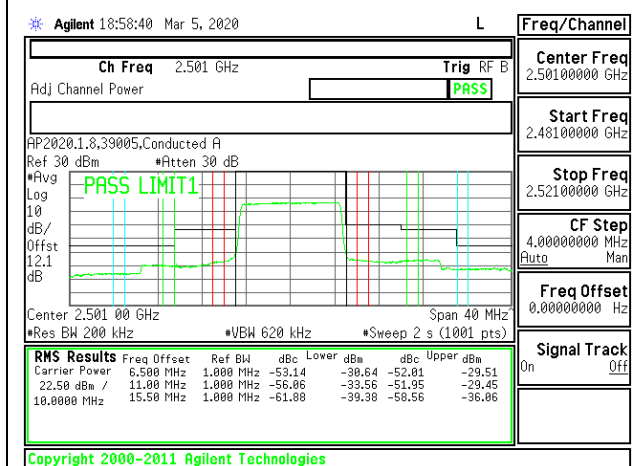
LTE B41 10MHz 16QAM Low Channel RB1-0



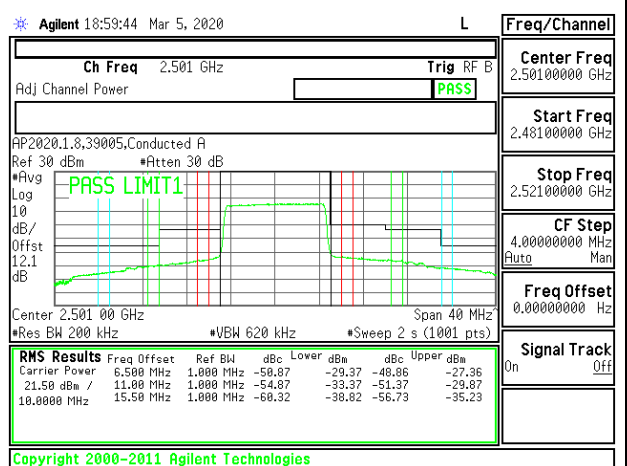
LTE B41 10MHz QPSK Low Channel RB1-49



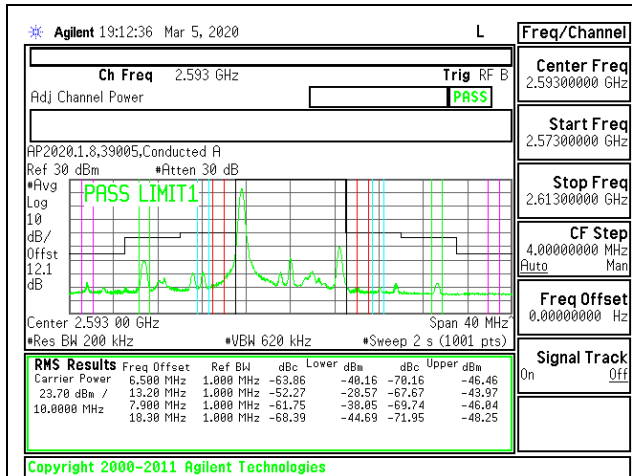
LTE B41 10MHz 16QAM Low Channel RB1-49



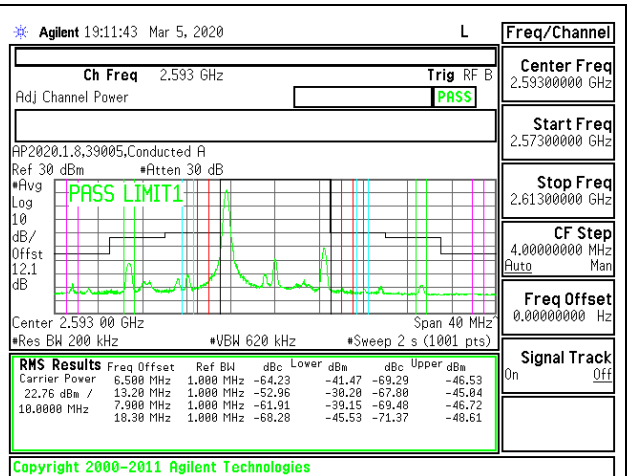
LTE B41 10MHz QPSK Low Channel RB50-0



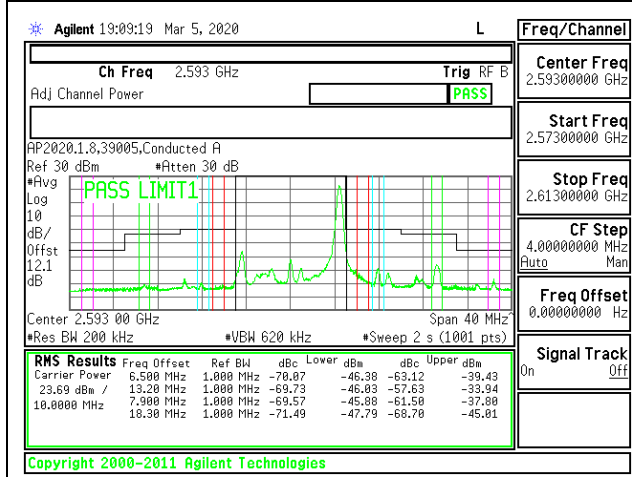
LTE B41 10MHz 16QAM Low Channel RB50-0



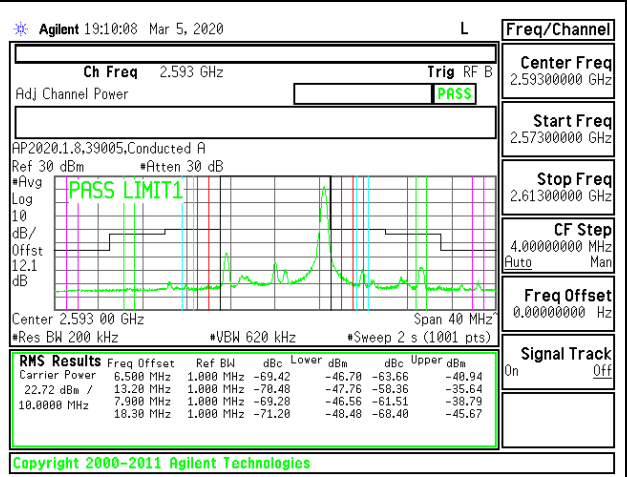
LTE B41 10MHz QPSK Middle Channel RB1-0



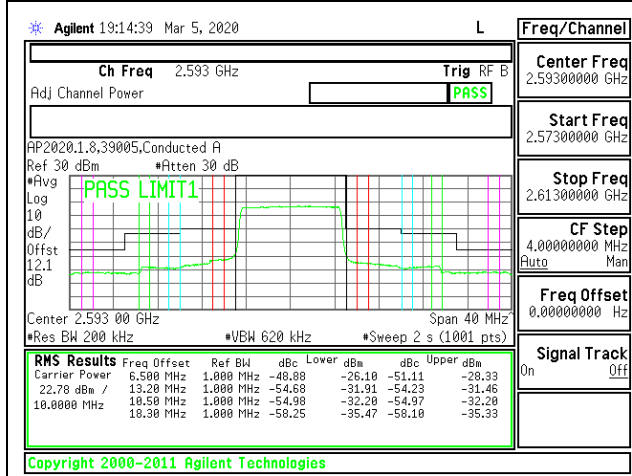
LTE B41 10MHz 16QAM Middle Channel RB1-0



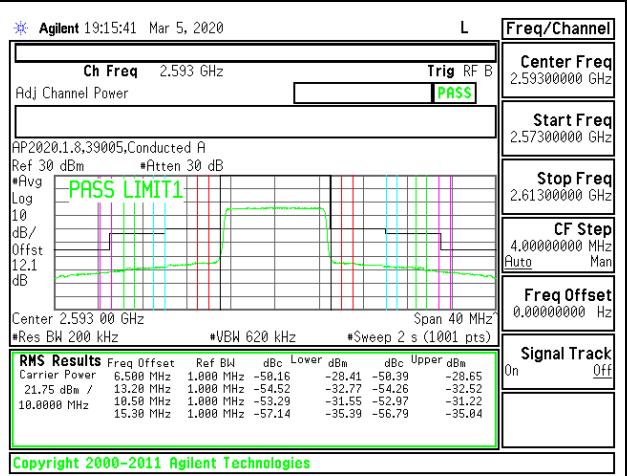
LTE B41 10MHz QPSK Middle Channel RB1-49



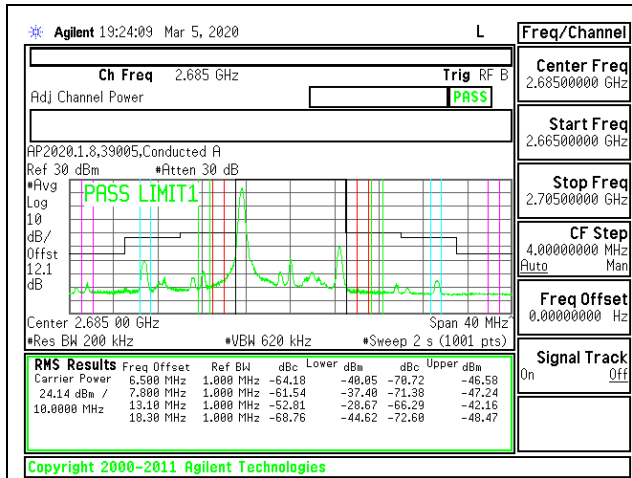
LTE B41 10MHz 16QAM Middle Channel RB1-49



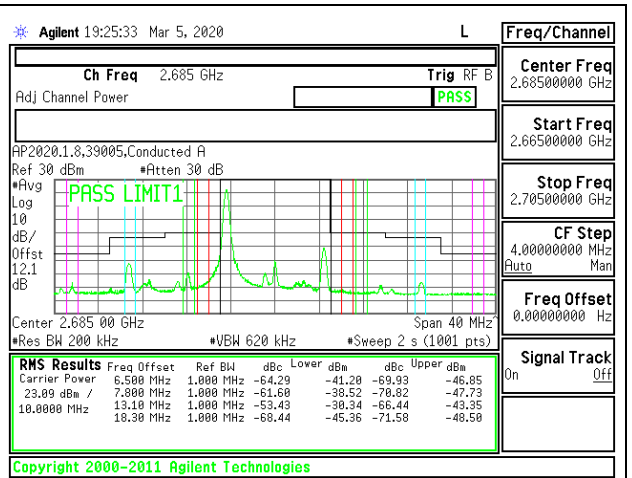
LTE B41 10MHz QPSK Middle Channel RB50-0



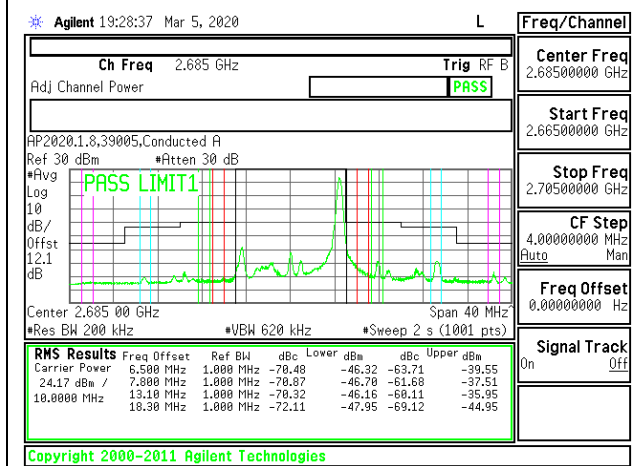
LTE B41 10MHz 16QAM Middle Channel RB50-0



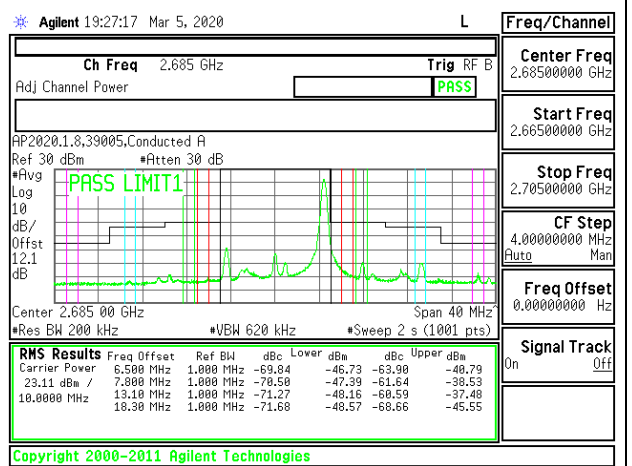
LTE B41 10MHz QPSK High Channel RB1-0



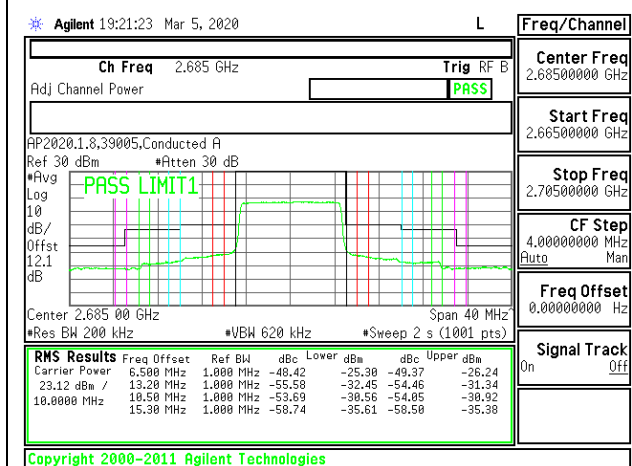
LTE B41 10MHz 16QAM High Channel RB1-0



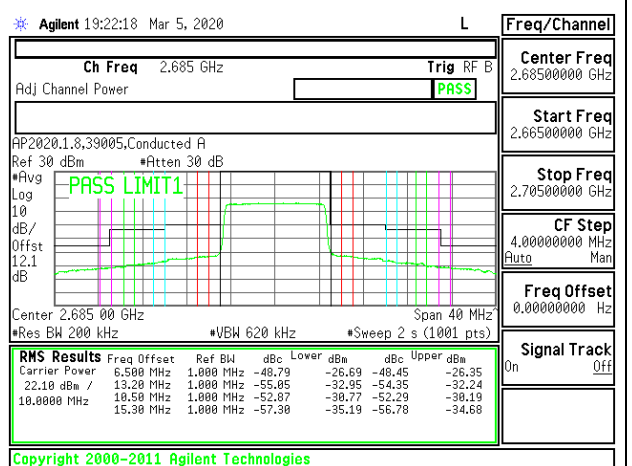
LTE B41 10MHz QPSK High Channel RB1-49



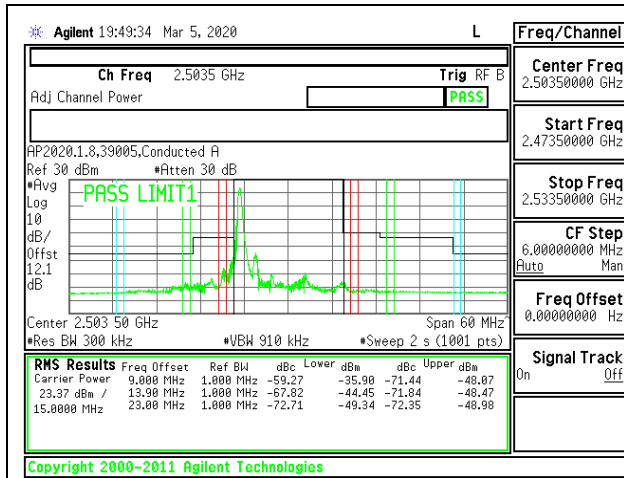
LTE B41 10MHz 16QAM High Channel RB1-49



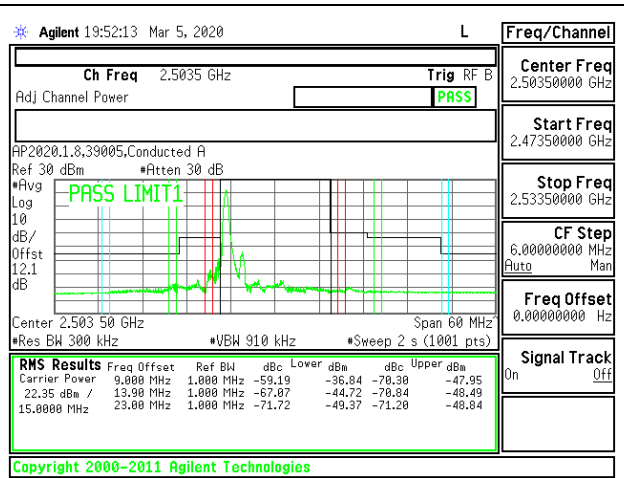
LTE B41 10MHz QPSK High Channel RB50-0



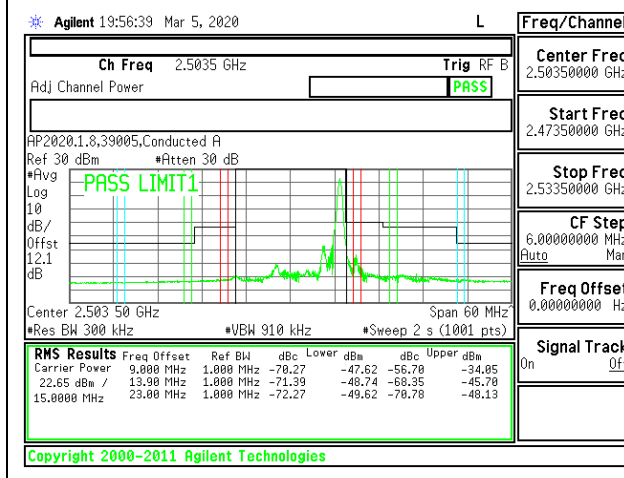
LTE B41 10MHz 16QAM High Channel RB50-0



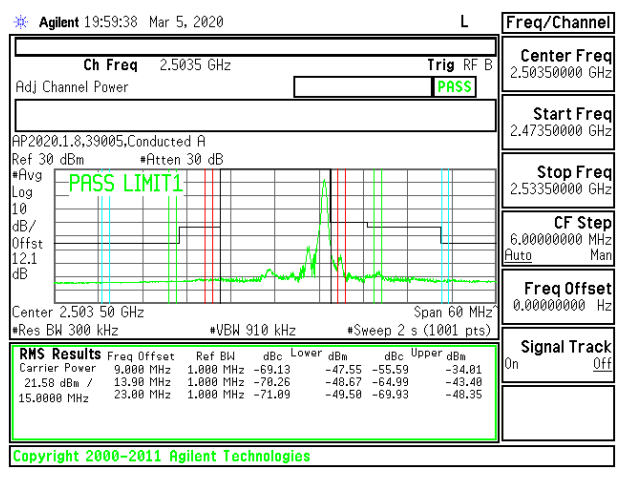
LTE B41 15MHz QPSK Low Channel RB1-0



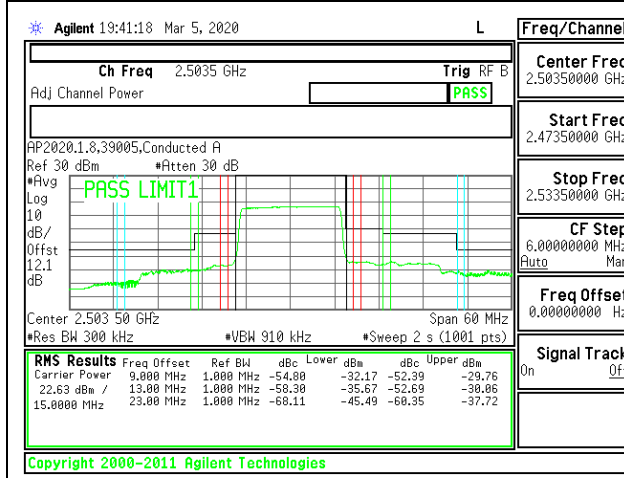
LTE B41 15MHz 16QAM Low Channel RB1-0



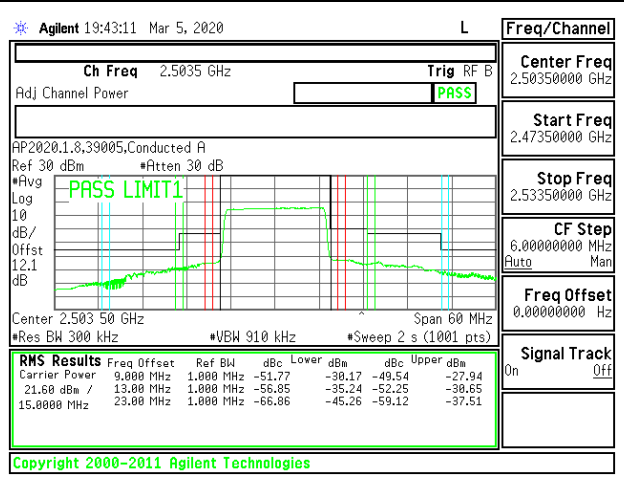
LTE B41 15MHz QPSK Low Channel RB1-74



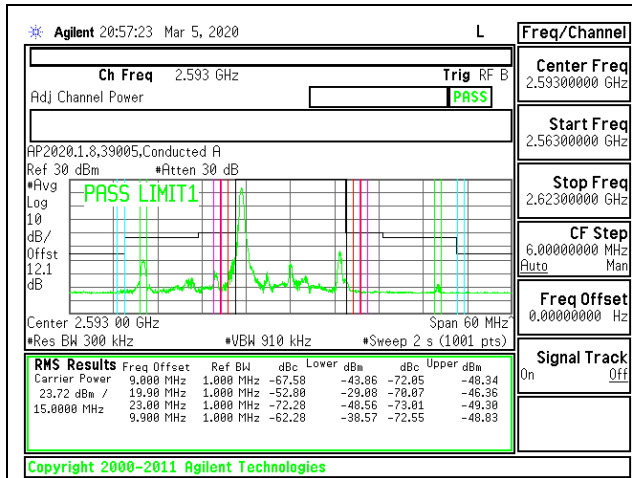
LTE B41 15MHz 16QAM Low Channel RB1-74



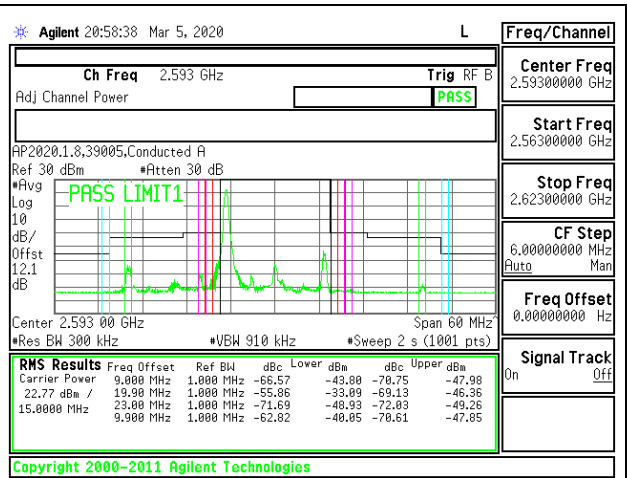
LTE B41 15MHz QPSK Low Channel RB75-0



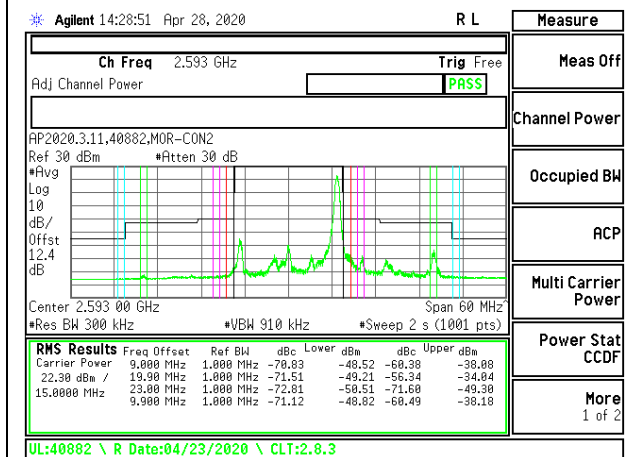
LTE B41 15MHz 16QAM Low Channel RB75-0



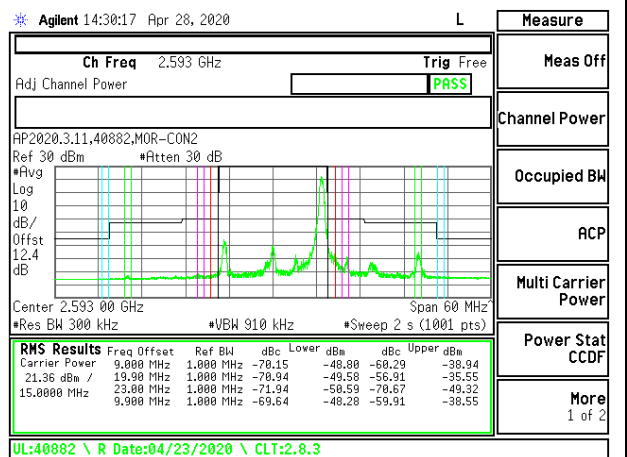
LTE B41 15MHz QPSK Middle Channel RB1-0



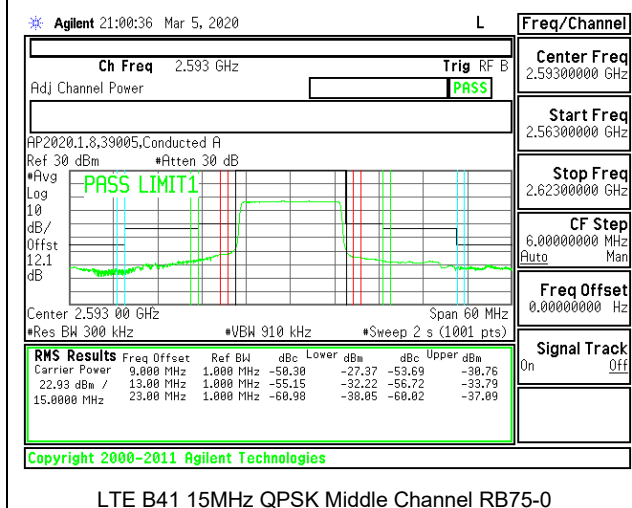
LTE B41 15MHz 16QAM Middle Channel RB1-0



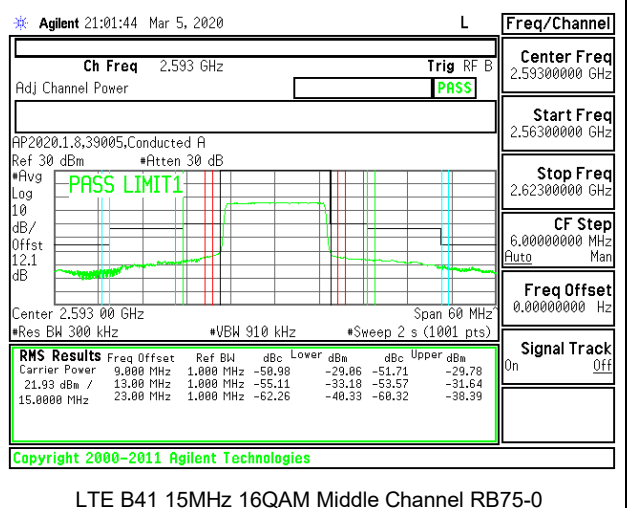
LTE B41 15MHz QPSK Middle Channel RB1-74



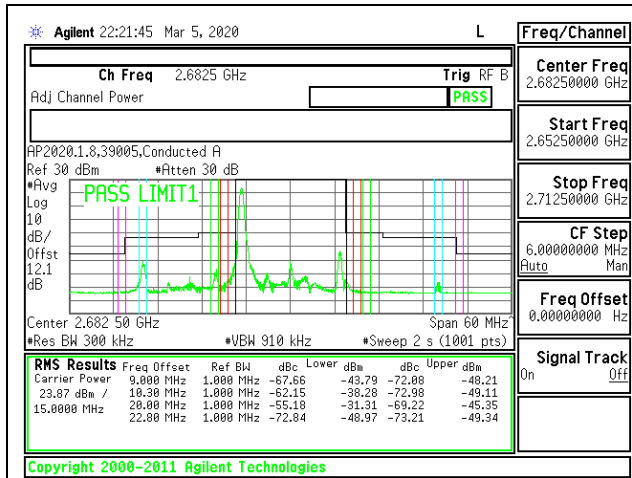
LTE B41 15MHz 16QAM Middle Channel RB1-74



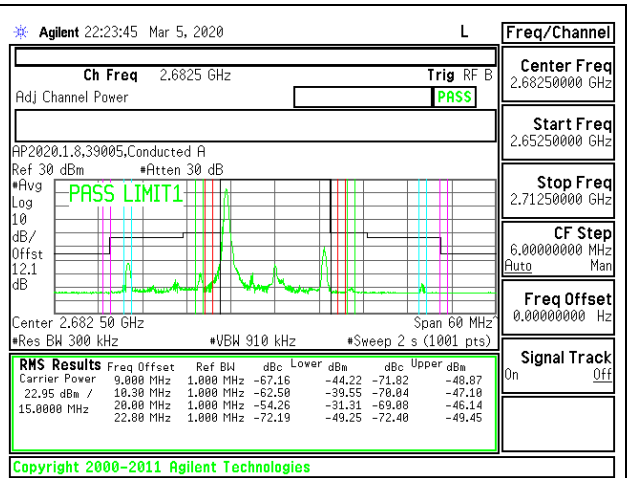
LTE B41 15MHz QPSK Middle Channel RB75-0



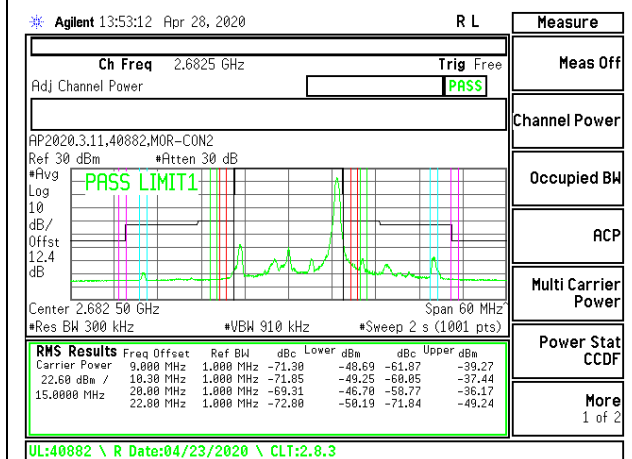
LTE B41 15MHz 16QAM Middle Channel RB75-0



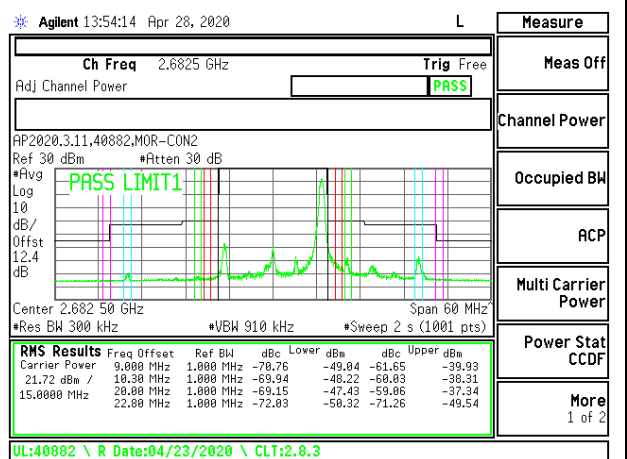
LTE B41 15MHz QPSK High Channel RB1-0



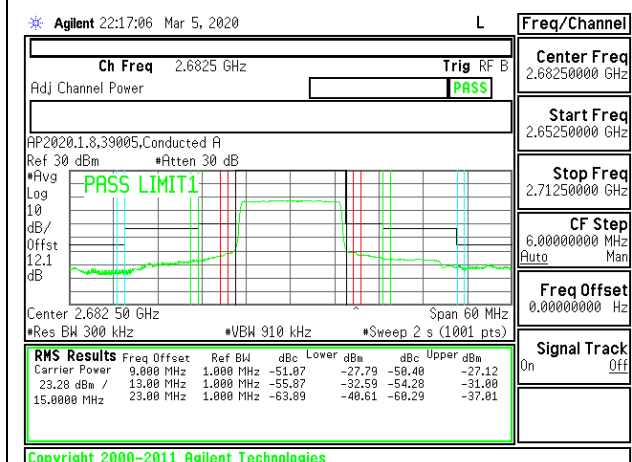
LTE B41 15MHz 16QAM High Channel RB1-0



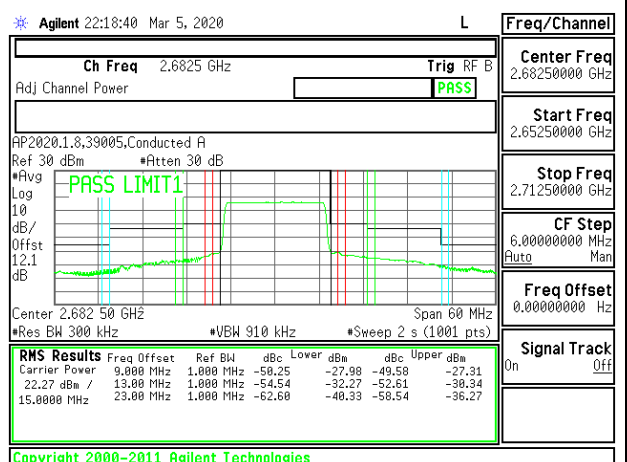
LTE B41 15MHz QPSK High Channel RB1-74



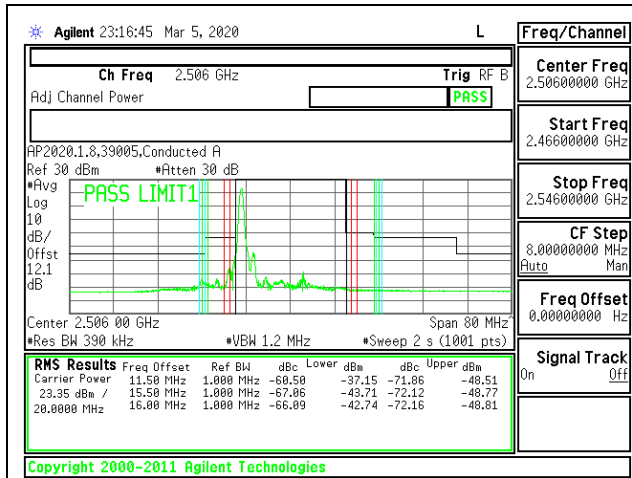
LTE B41 15MHz 16QAM High Channel RB1-74



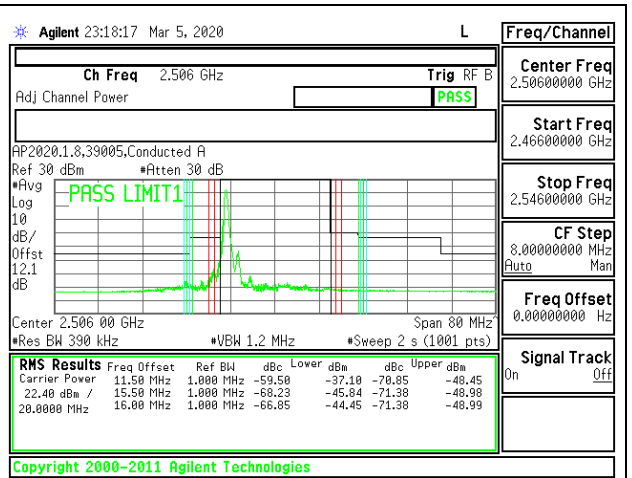
LTE B41 15MHz QPSK High Channel RB75-0



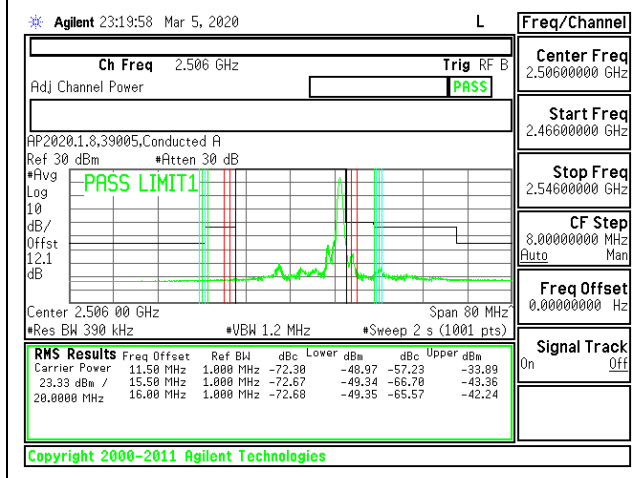
LTE B41 15MHz 16QAM High Channel RB75-0



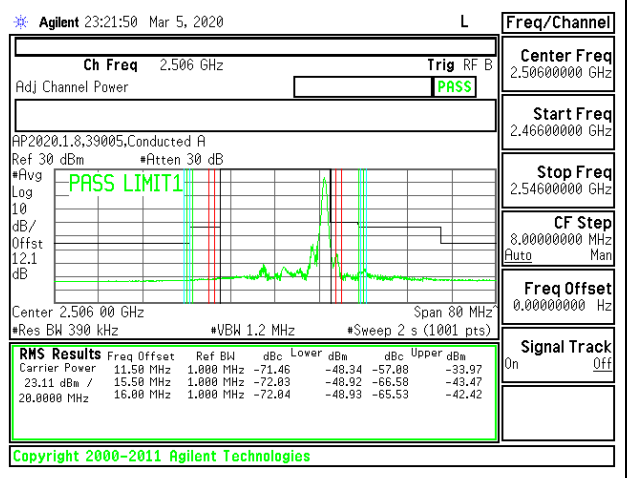
LTE B41 20MHz QPSK Low Channel RB1-0



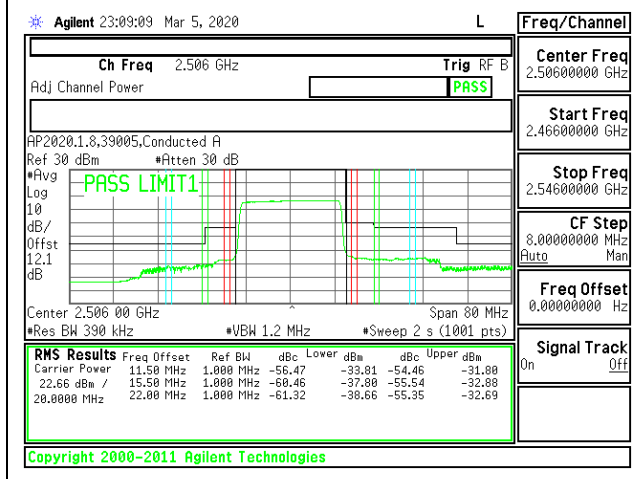
LTE B41 20MHz 16QAM Low Channel RB1-0



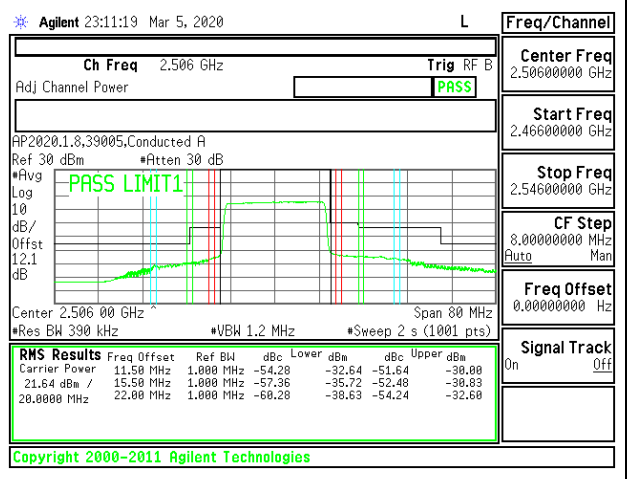
LTE B41 20MHz QPSK Low Channel RB1-99



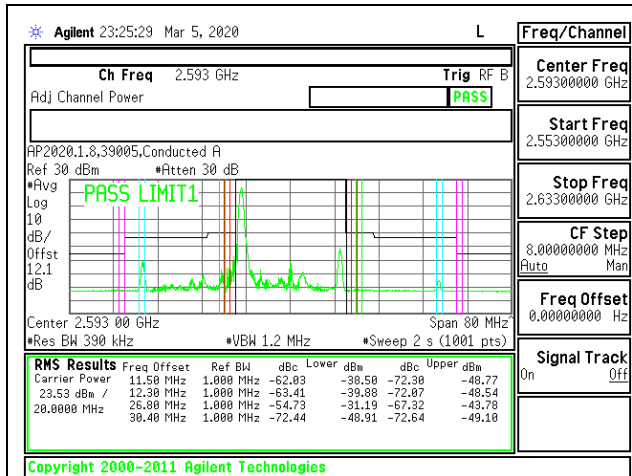
LTE B41 20MHz 16QAM Low Channel RB1-99



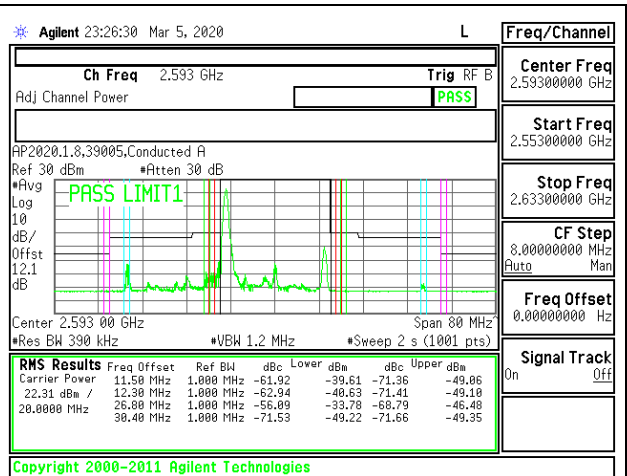
LTE B41 20MHz QPSK Low Channel RB100-0



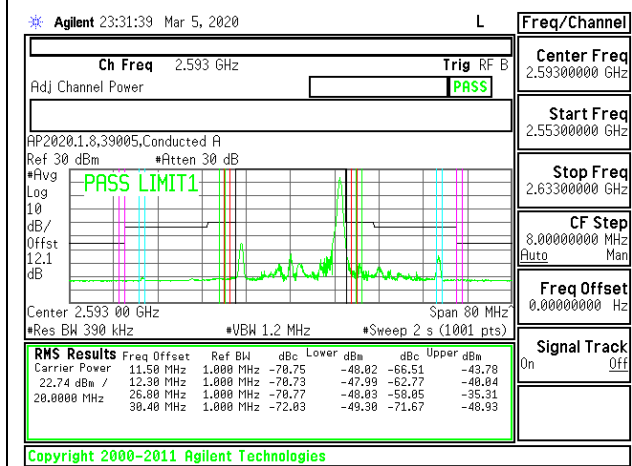
LTE B41 20MHz 16QAM Low Channel RB100-0



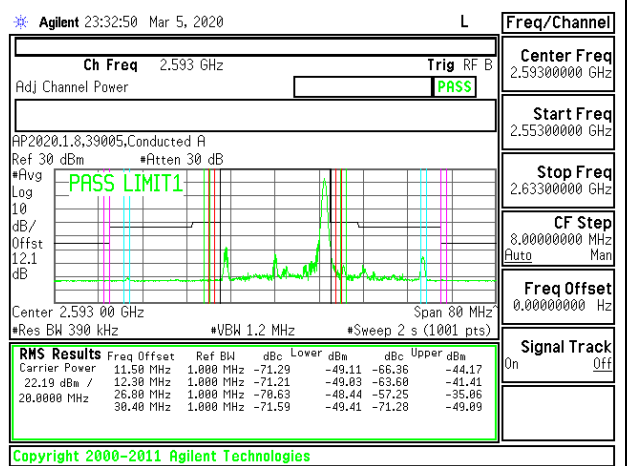
LTE B41 20MHz QPSK Middle Channel RB1-0



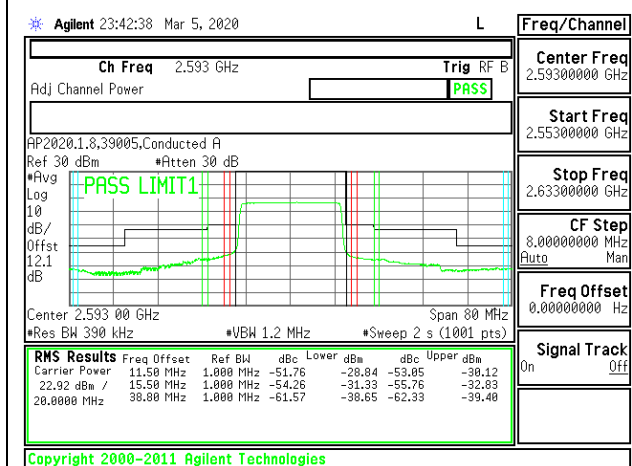
LTE B41 20MHz 16QAM Middle Channel RB1-0



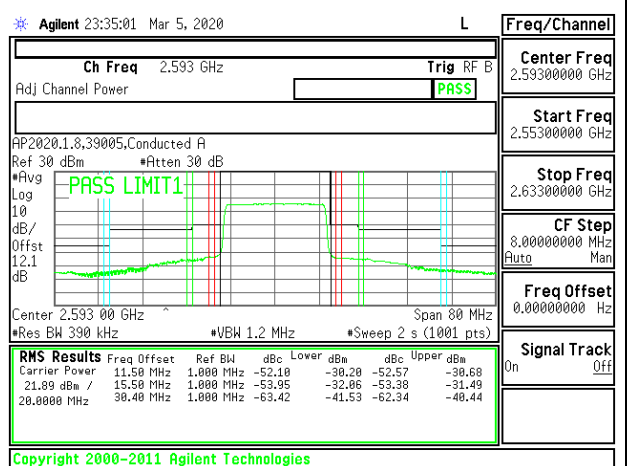
LTE B41 20MHz QPSK Middle Channel RB1-99



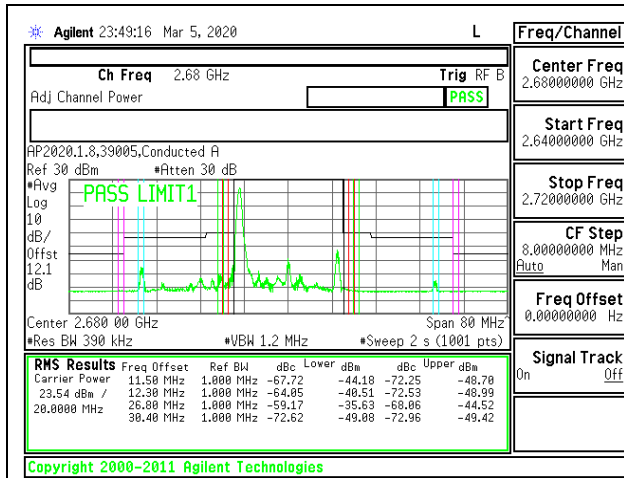
LTE B41 20MHz 16QAM Middle Channel RB1-99



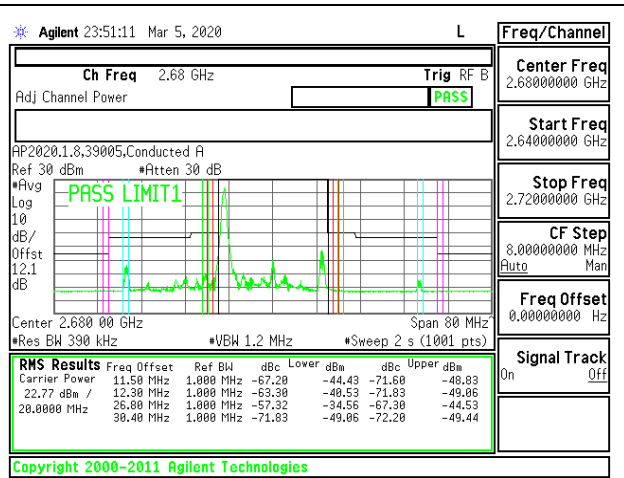
LTE B41 20MHz QPSK Middle Channel RB100-0



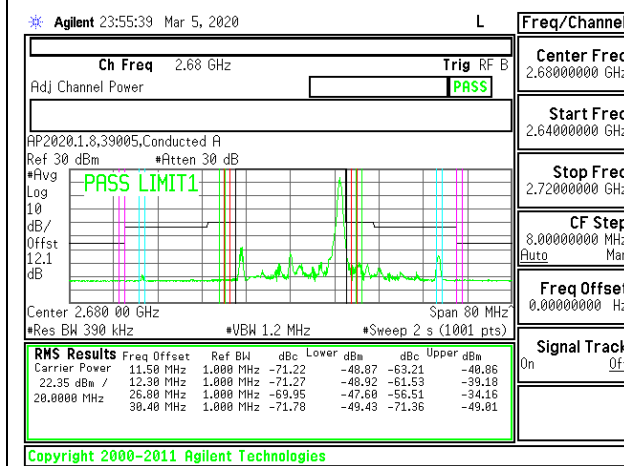
LTE B41 20MHz 16QAM Middle Channel RB100-0



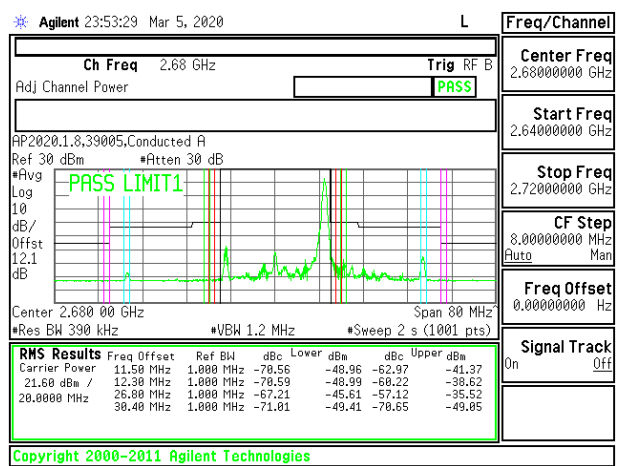
LTE B41 20MHz QPSK High Channel RB1-0



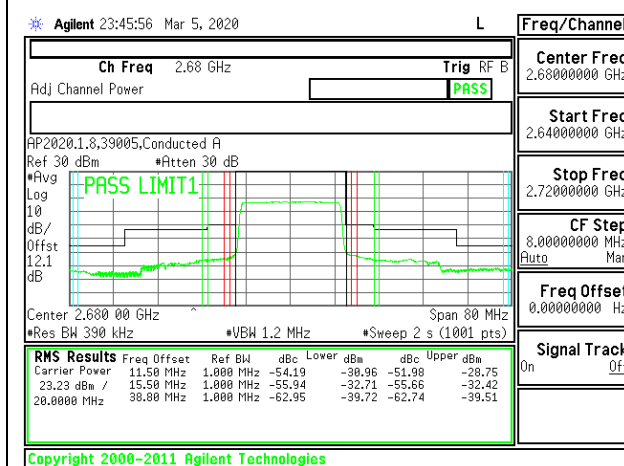
LTE B41 20MHz 16QAM High Channel RB1-0



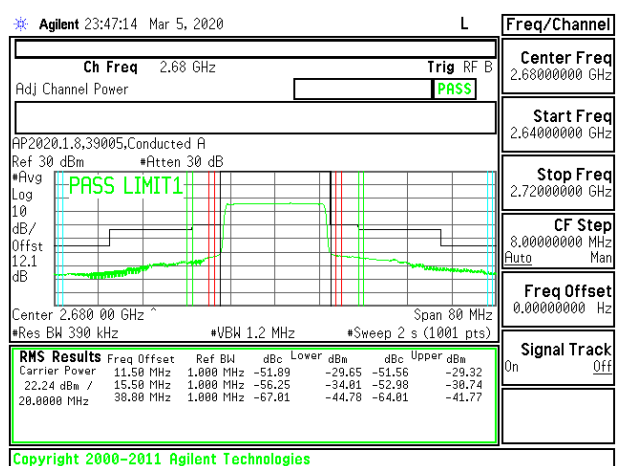
LTE B41 20MHz QPSK High Channel RB1-99



LTE B41 20MHz 16QAM High Channel RB1-99



LTE B41 20MHz QPSK High Channel RB100-0



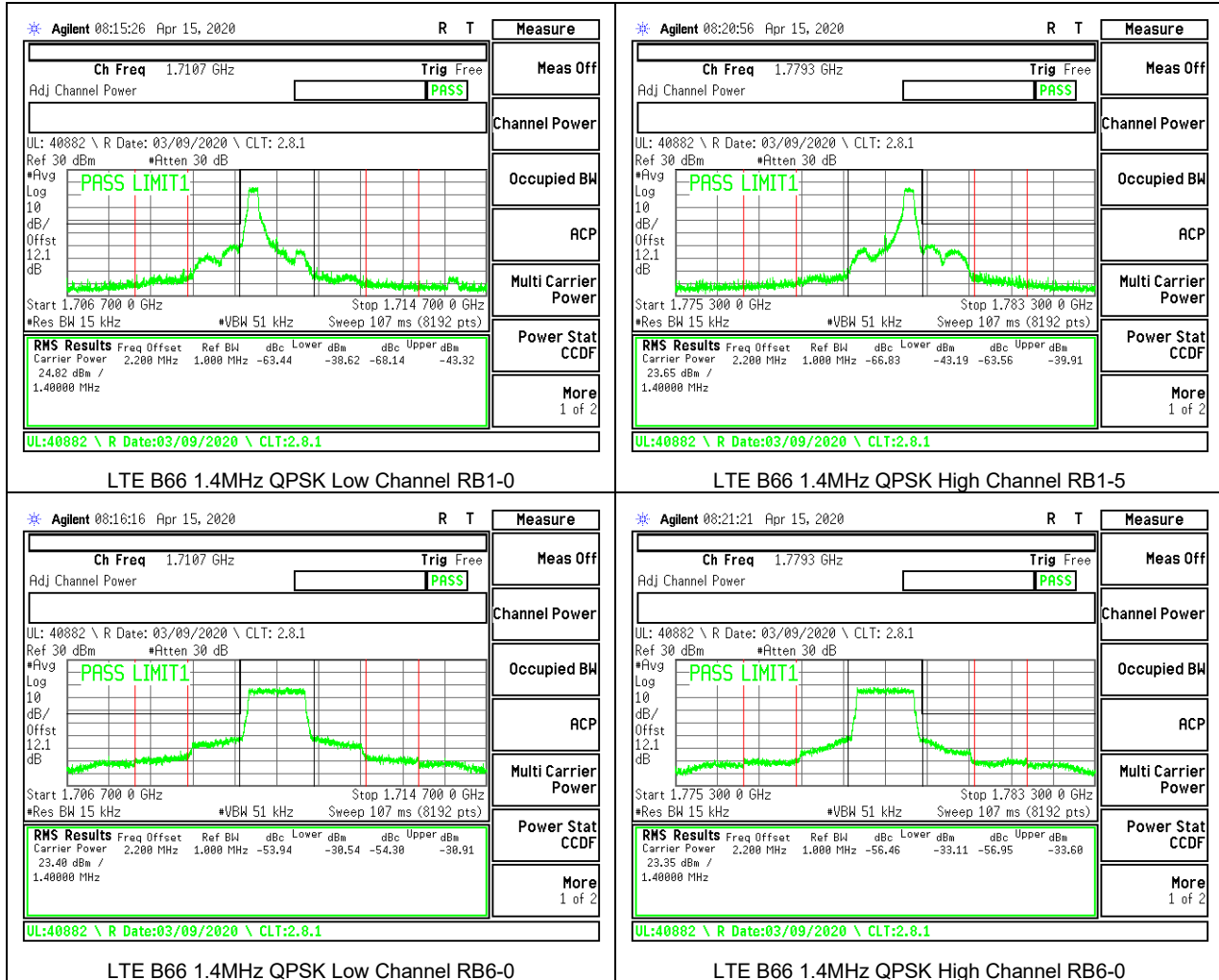
LTE B41 20MHz 16QAM High Channel RB100-0

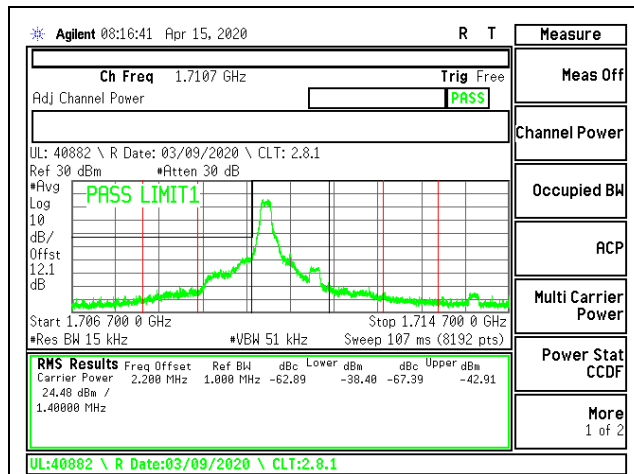
8.2.13. LTE BAND 66 BANDEDGE

LIMITS

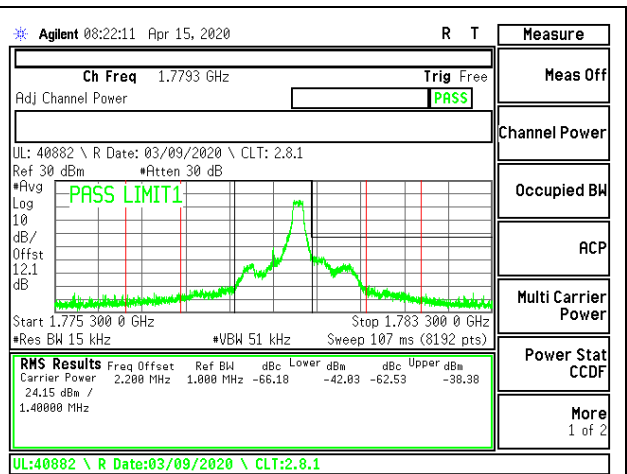
FCC: §27.53(h)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

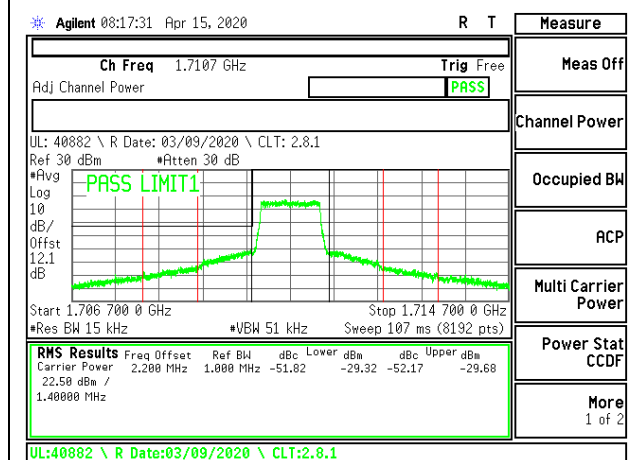




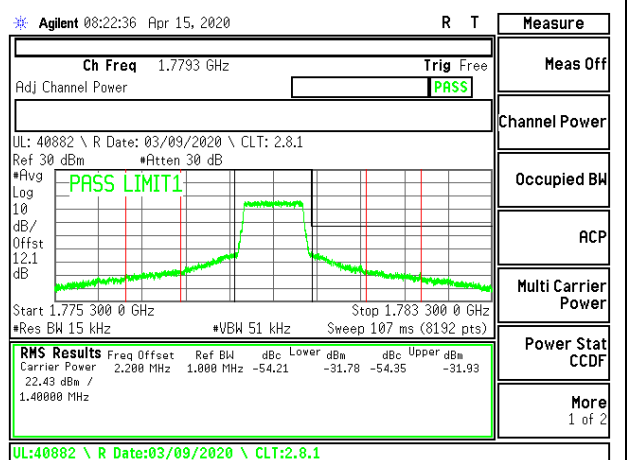
LTE B66 1.4MHz 16QAM Low Channel RB1-0



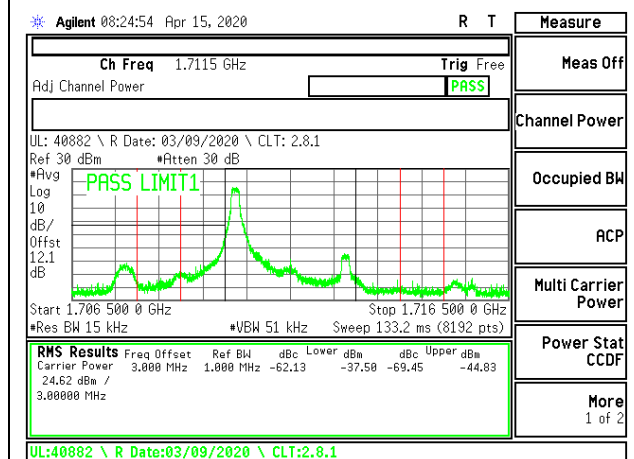
LTE B66 1.4MHz 16QAM High Channel RB1-5



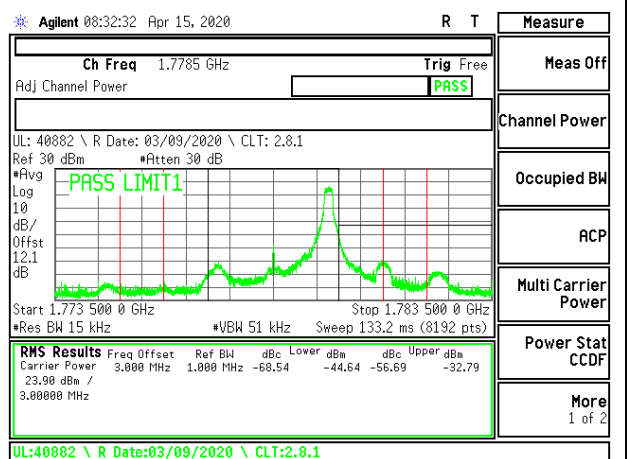
LTE B66 1.4MHz 16QAM Low Channel RB6-0



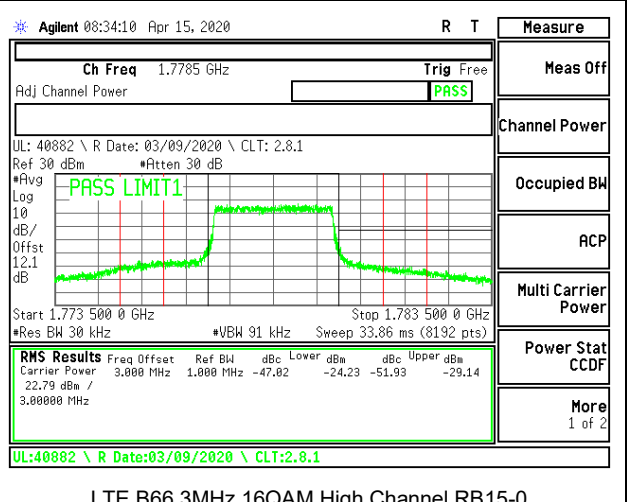
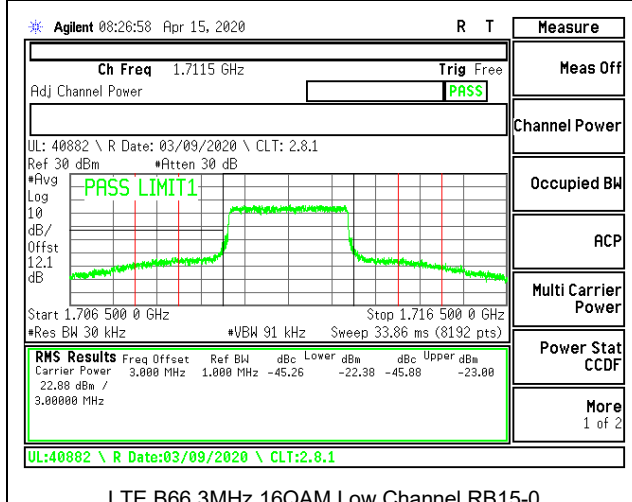
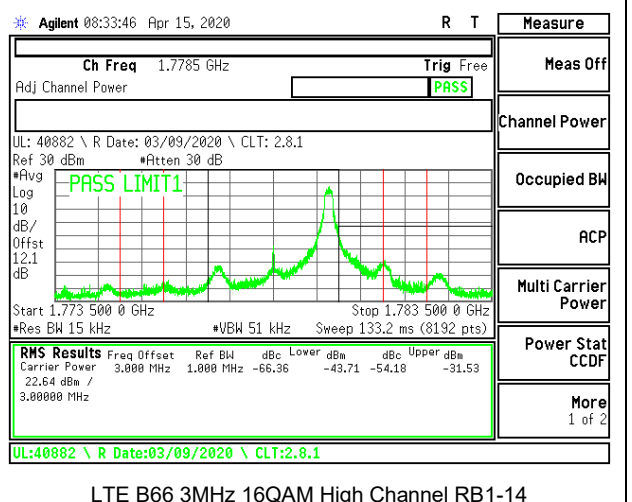
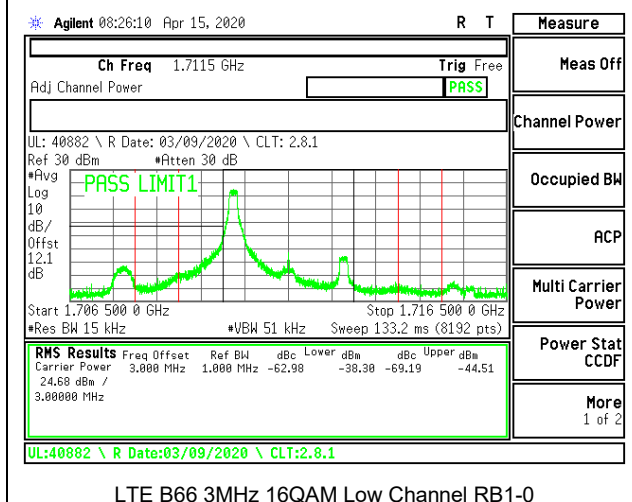
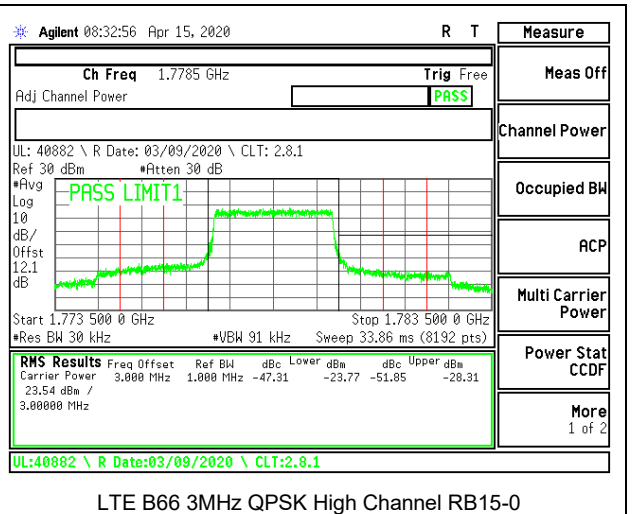
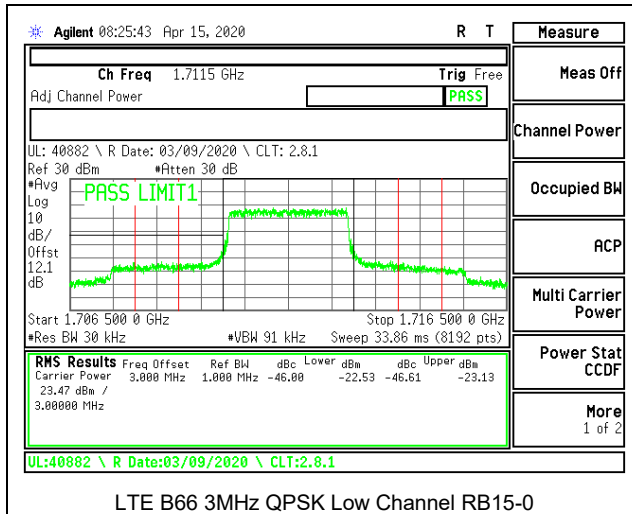
LTE B66 1.4MHz 16QAM High Channel RB6-0

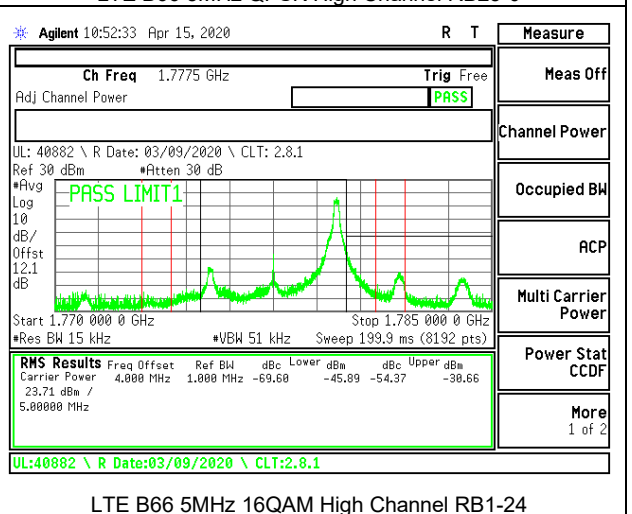
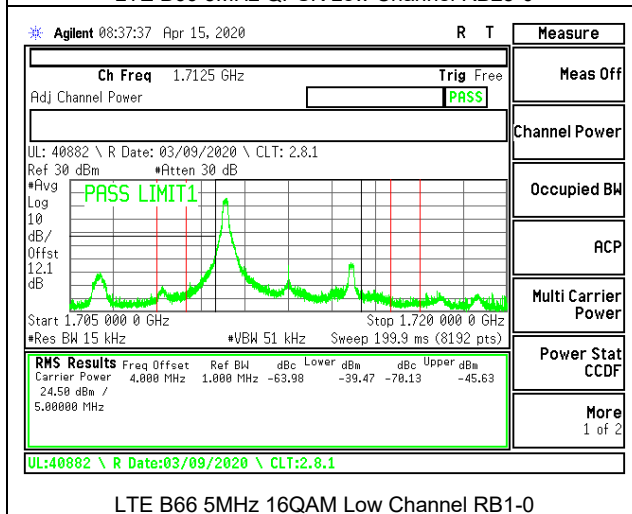
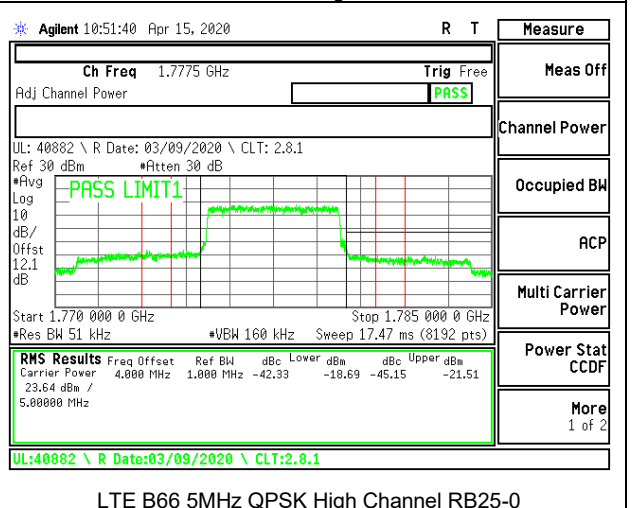
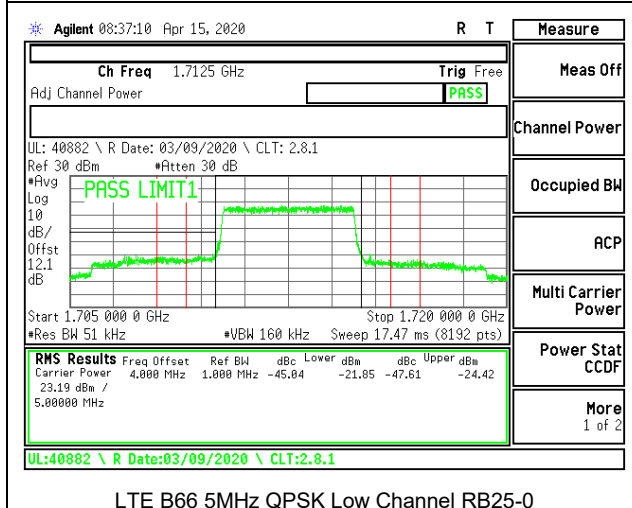
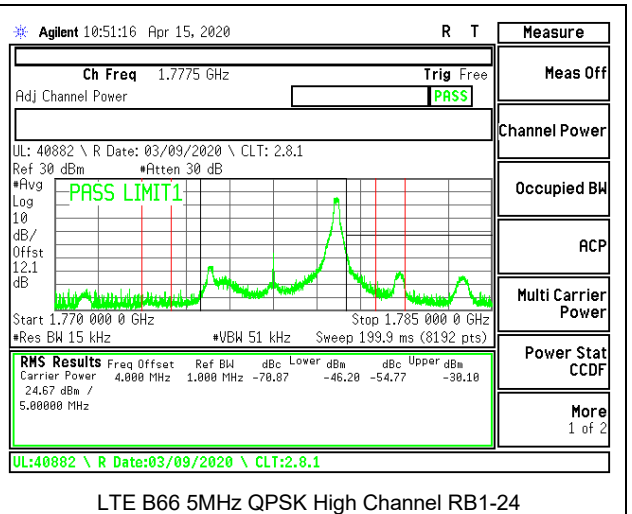
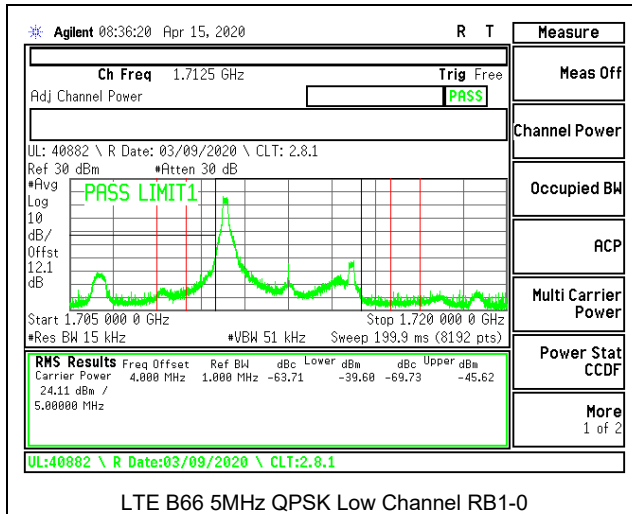


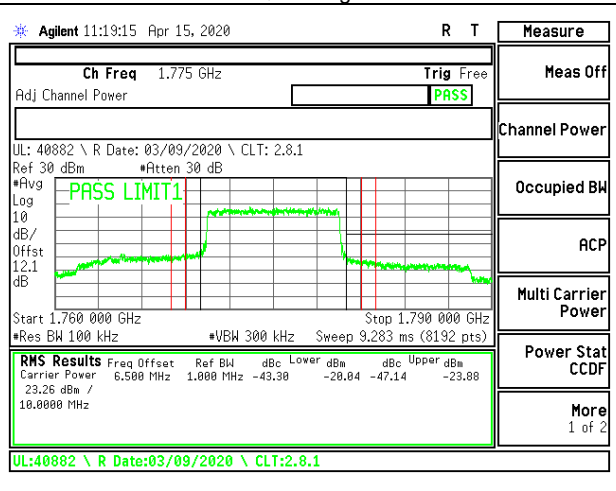
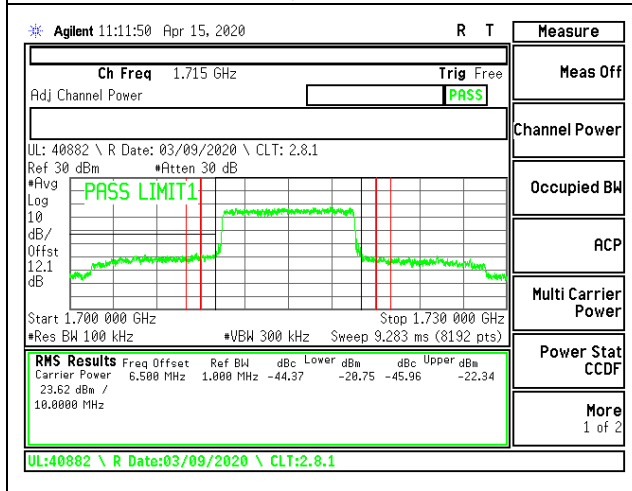
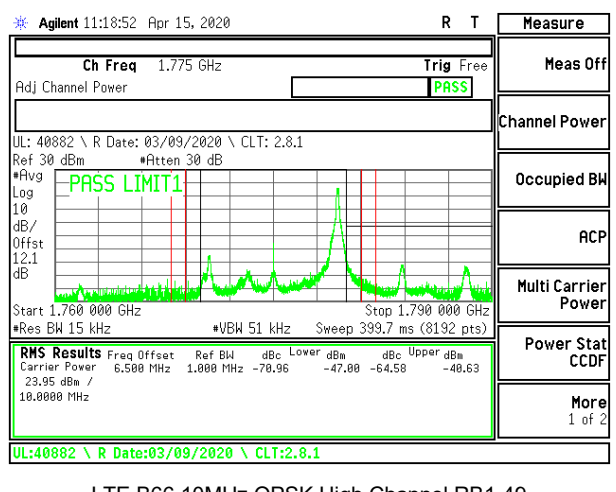
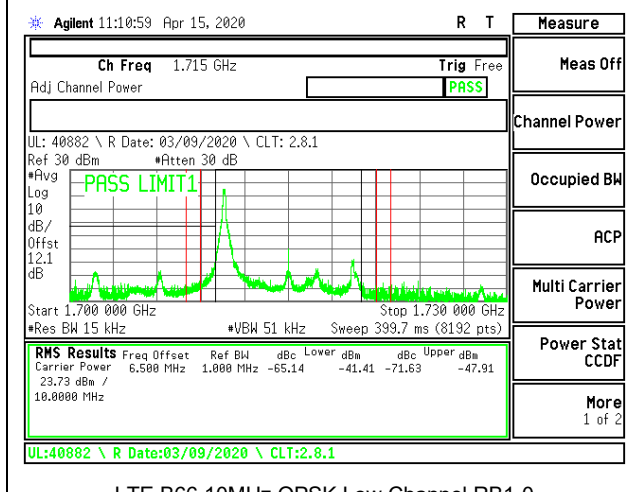
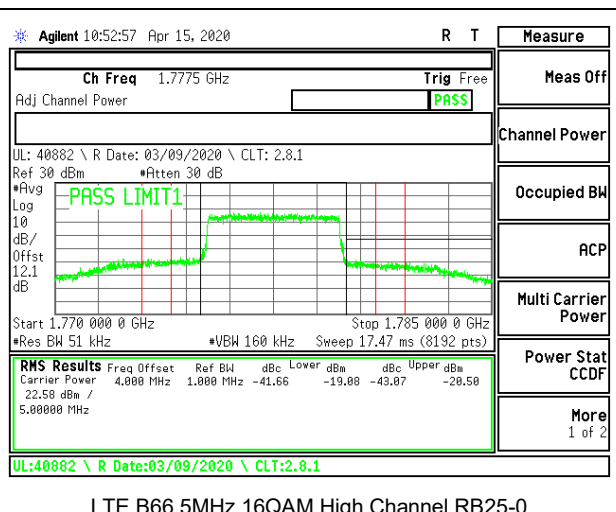
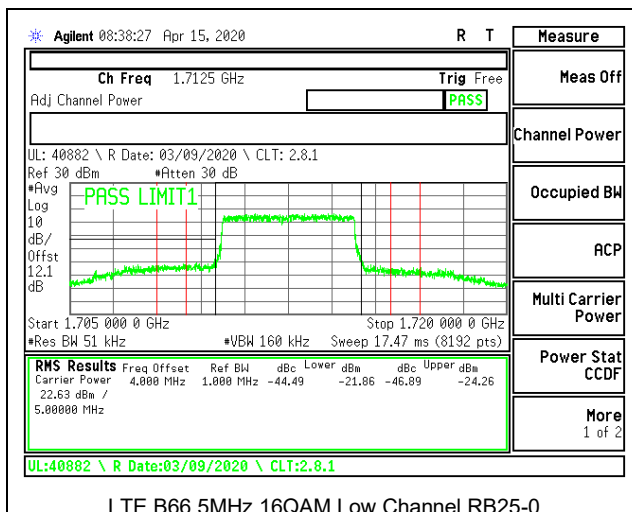
LTE B66 3MHz QPSK Low Channel RB1-0

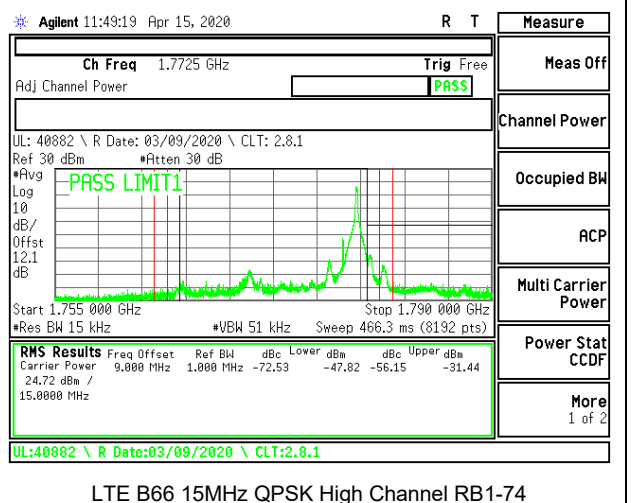
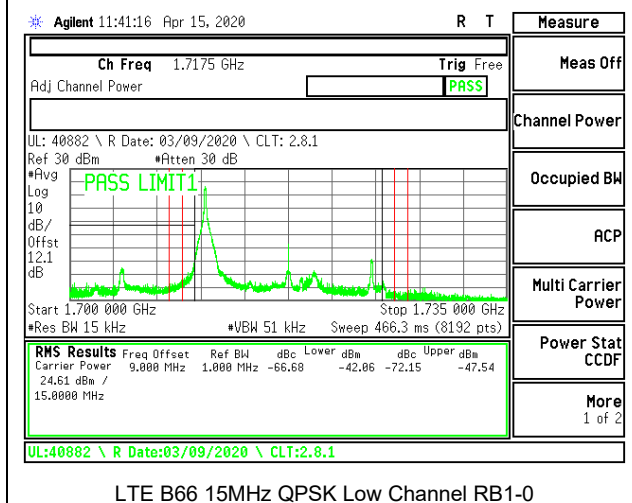
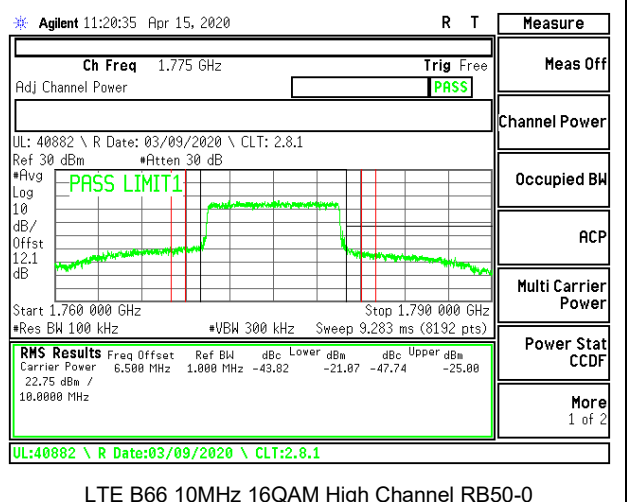
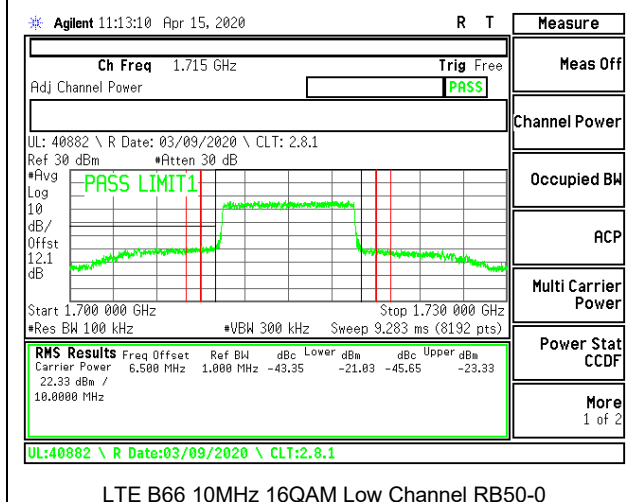
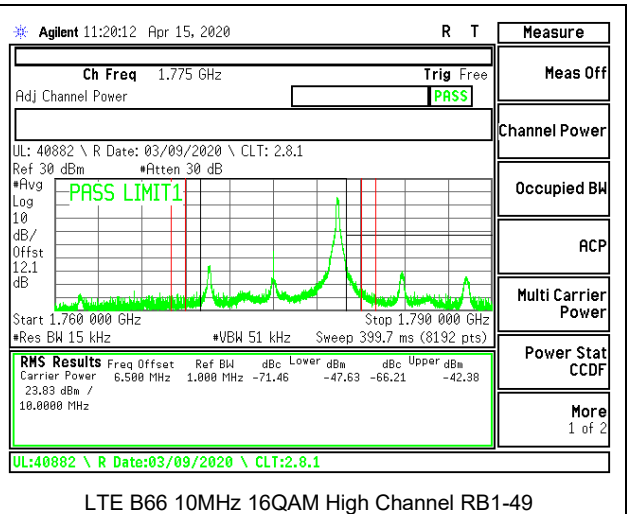
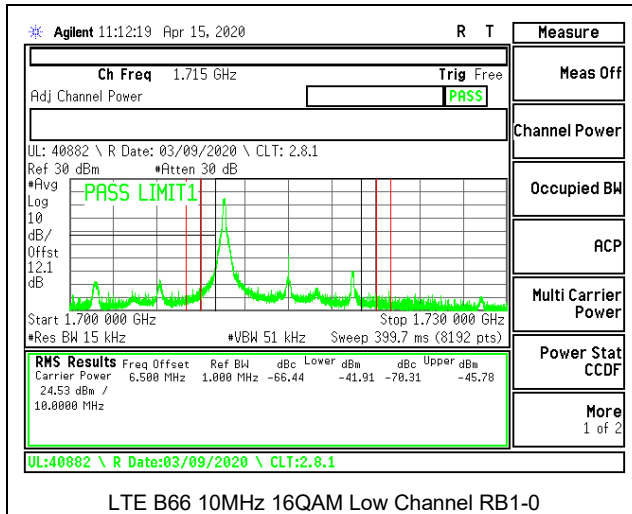


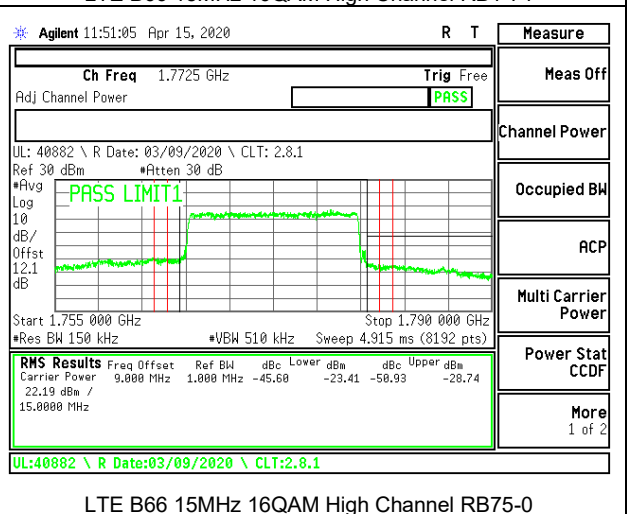
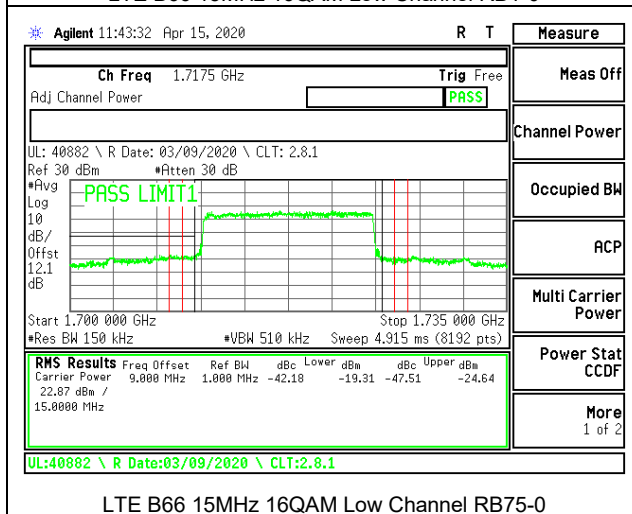
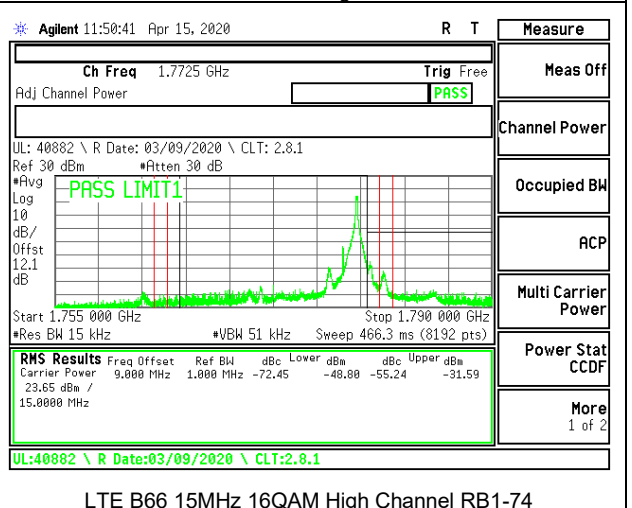
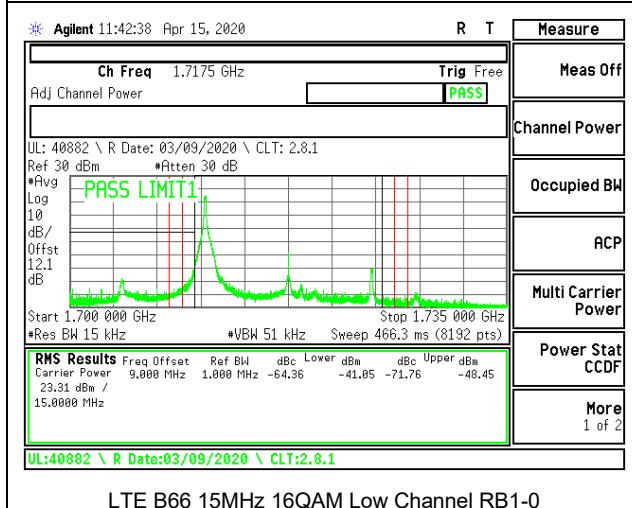
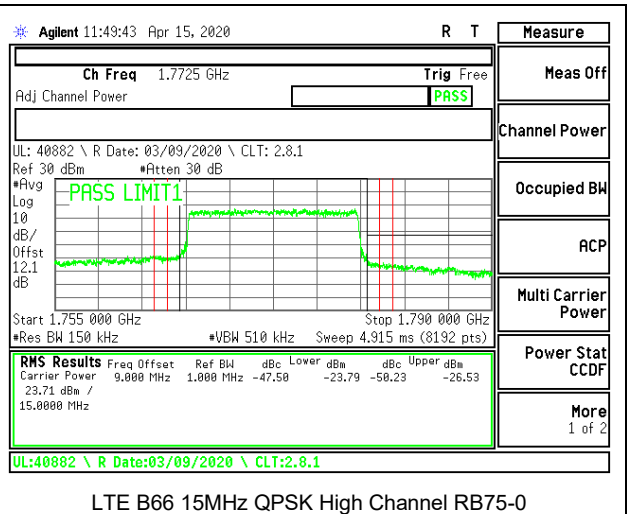
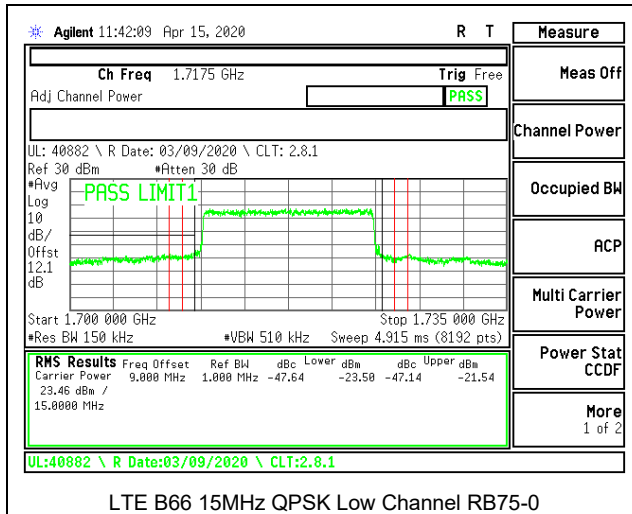
LTE B66 3MHz QPSK High Channel RB1-14

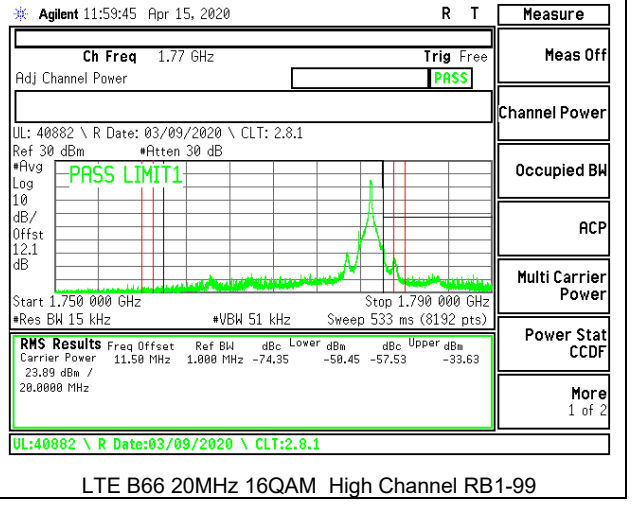
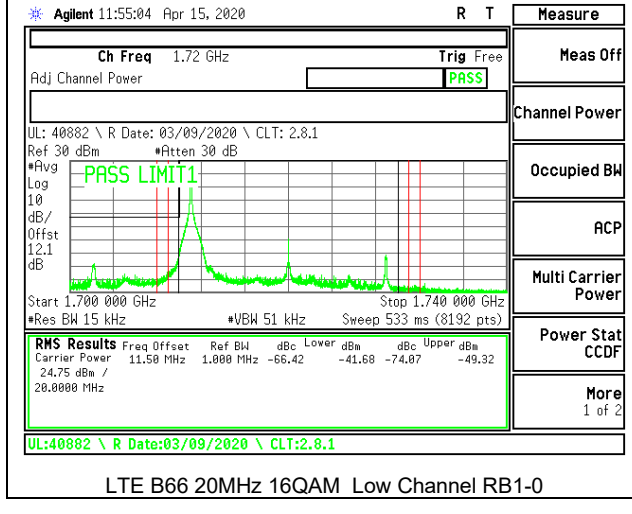
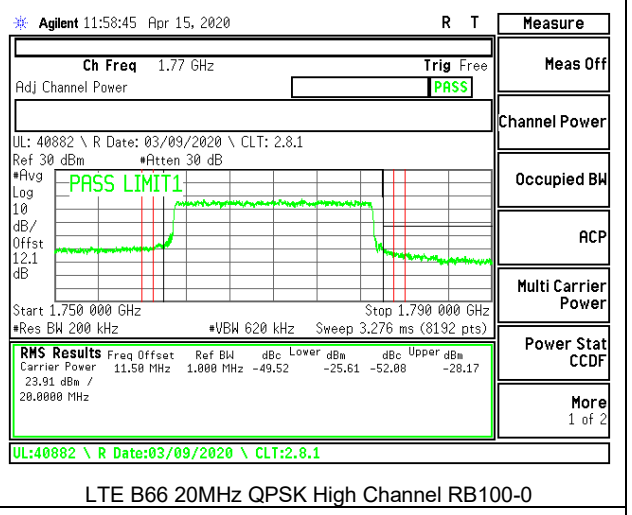
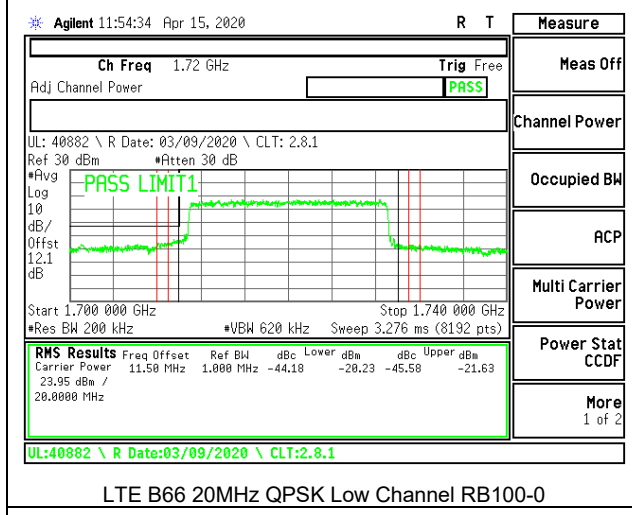
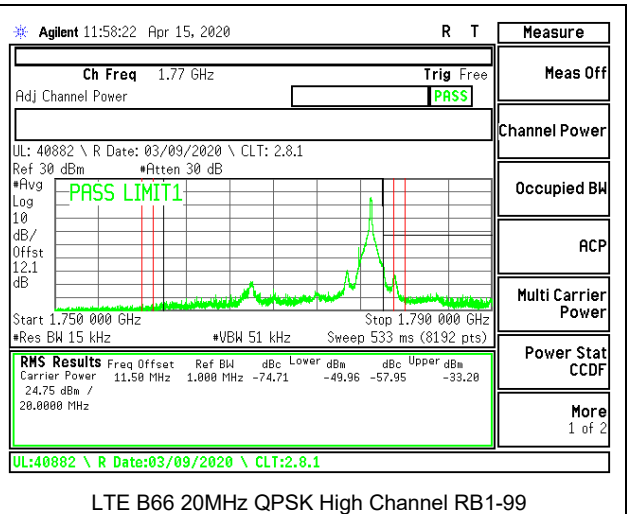
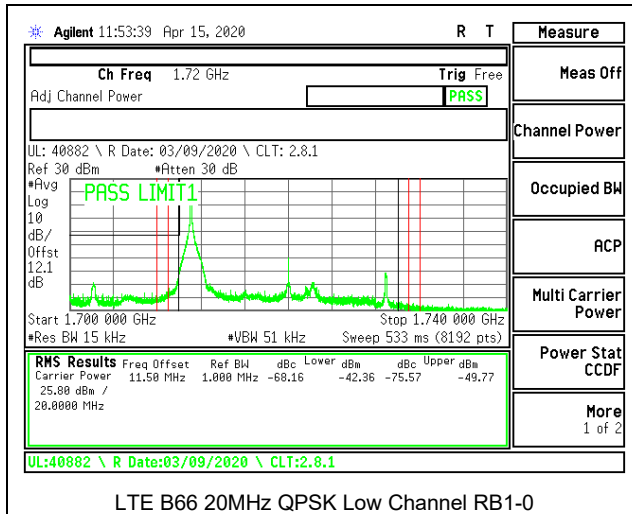


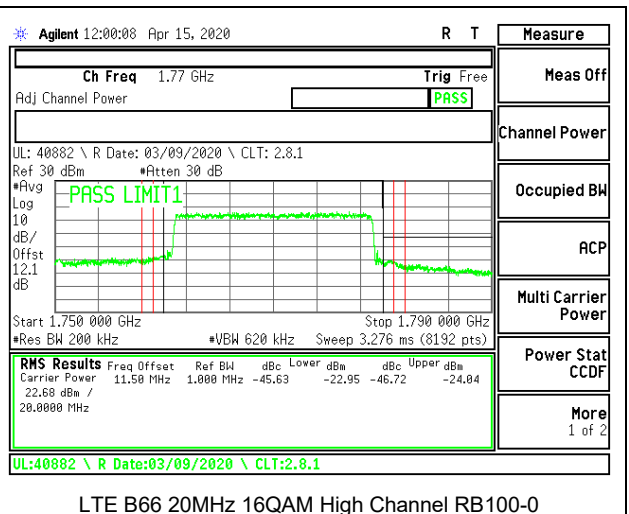
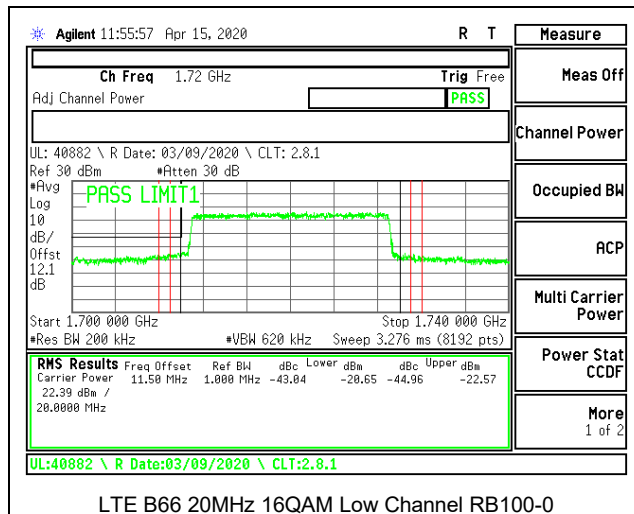












8.3. OUT OF BAND EMISSIONS

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)

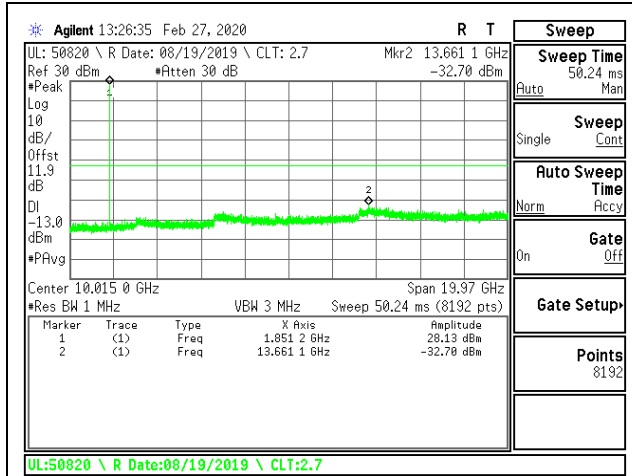
RESULTS

8.3.1. LTE BAND 2

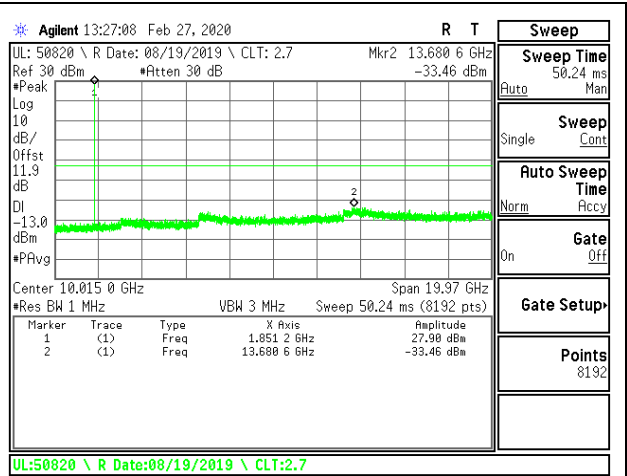
LIMITS

FCC: §24.238

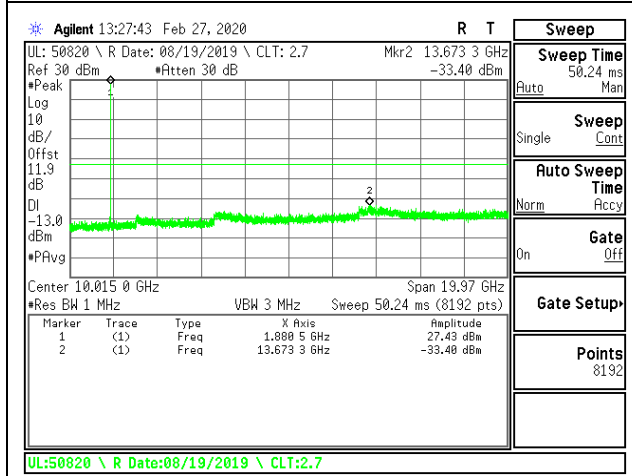
The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log(P)$ dB where transmitting power (P) in Watts.



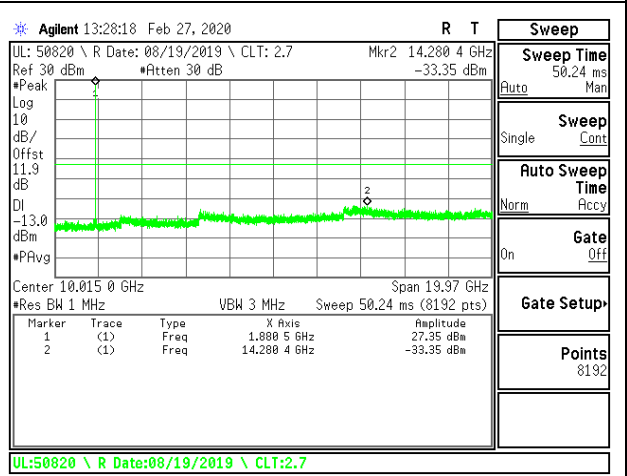
LTE B2 1.4MHz QPSK Low Channel RB1-0



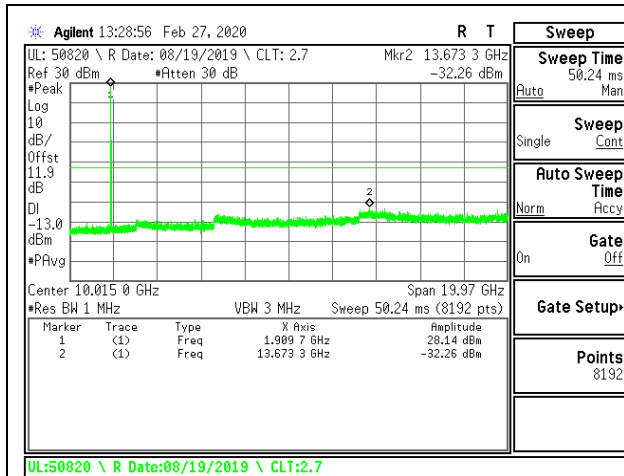
LTE B2 1.4MHz 16QAM Low Channel RB1-0



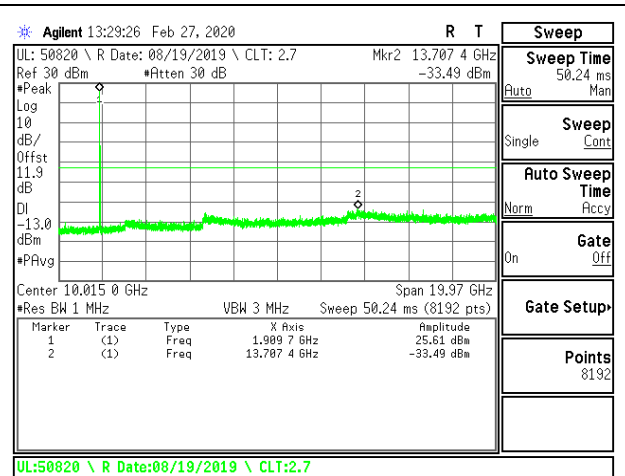
LTE B2 1.4MHz QPSK Middle Channel RB1-0



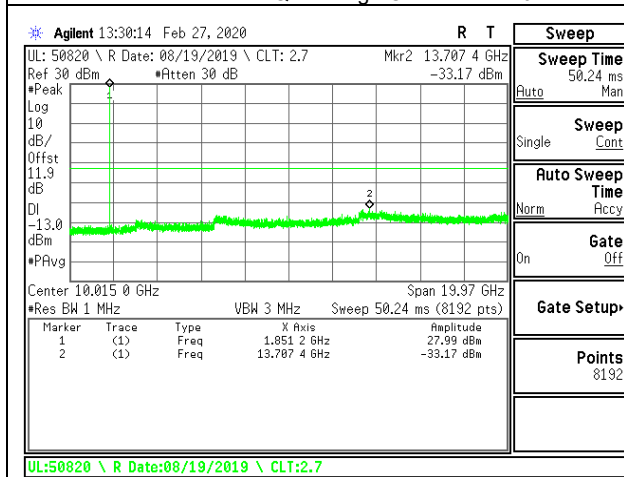
LTE B2 1.4MHz 16QAM Middle Channel RB1-0



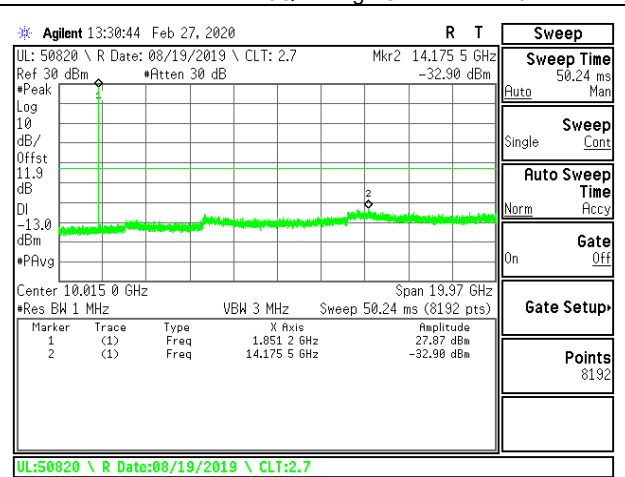
LTE B2 1.4MHz QPSK High Channel RB1-0



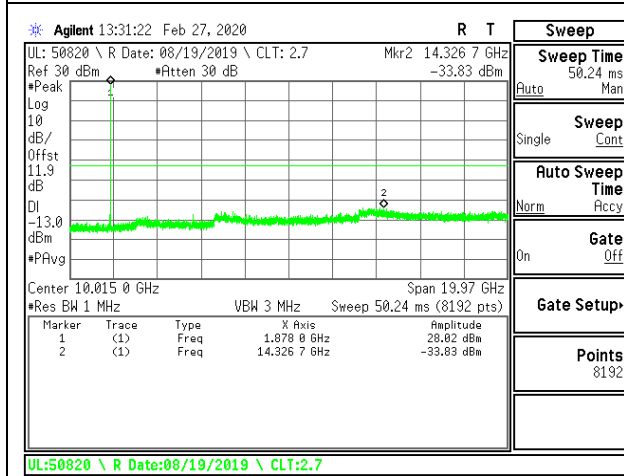
LTE B2 1.4MHz 16QAM High Channel RB1-0



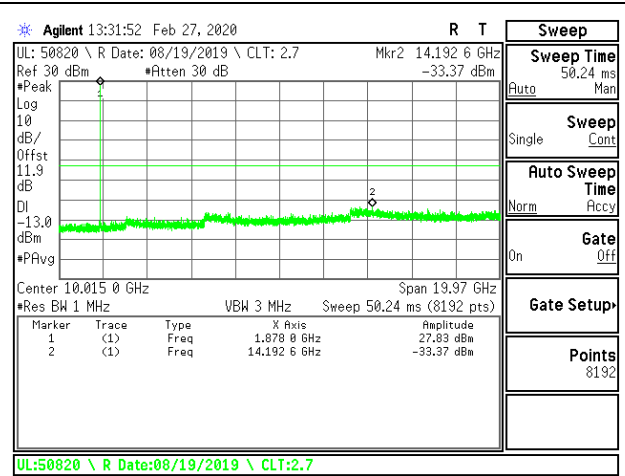
LTE B2 3MHz QPSK Low Channel RB1-0



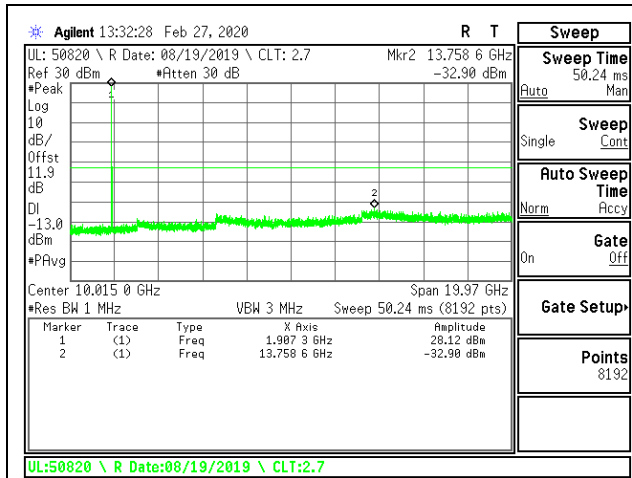
LTE B2 3MHz 16QAM Low Channel RB1-0



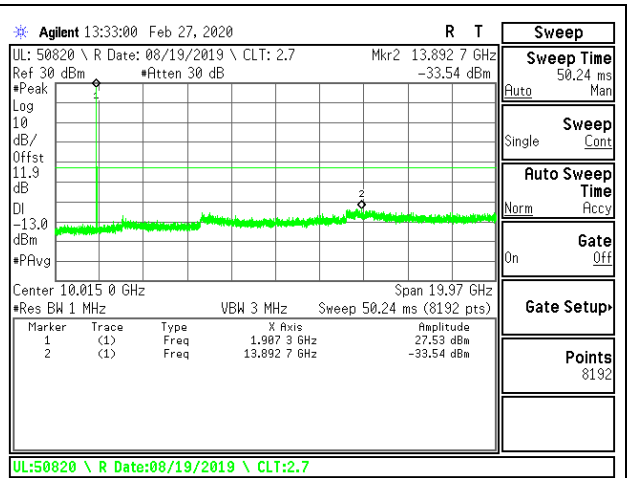
LTE B2 3MHz QPSK Middle Channel RB1-0



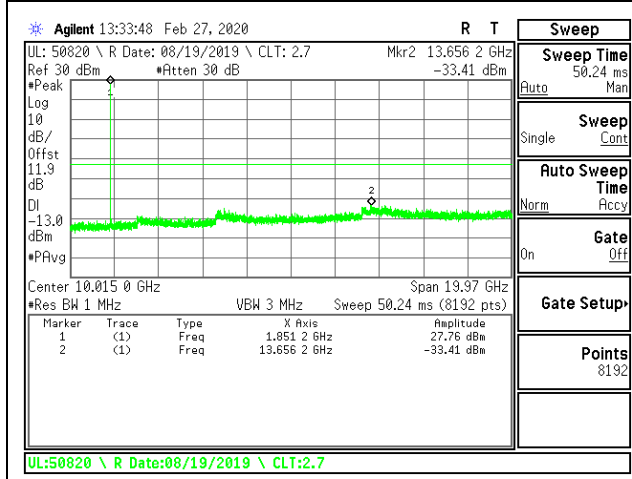
LTE B2 3MHz 16QAM Middle Channel RB1-0



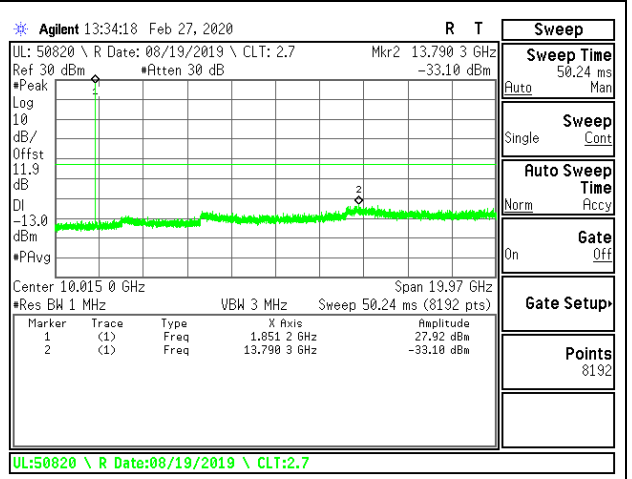
LTE B2 3MHz QPSK High Channel RB1-0



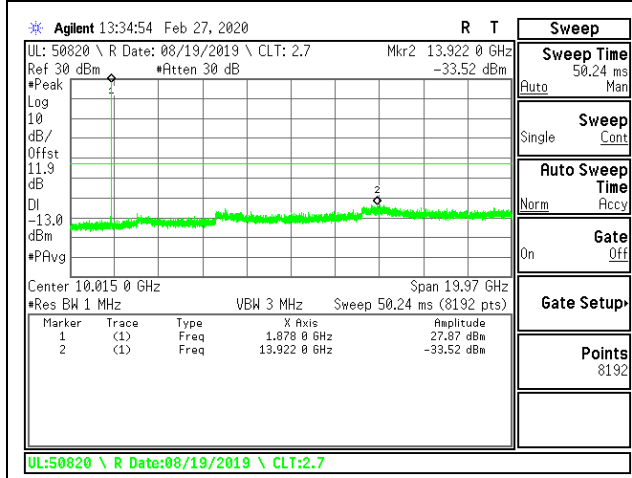
LTE B2 3MHz 16QAM High Channel RB1-0



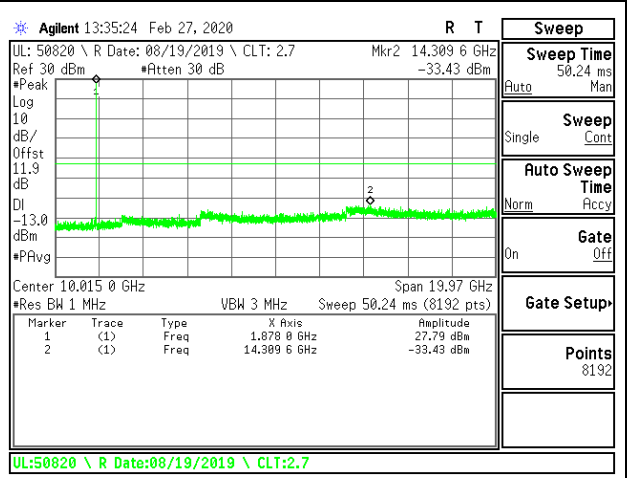
LTE B2 5MHz QPSK Low Channel RB1-0



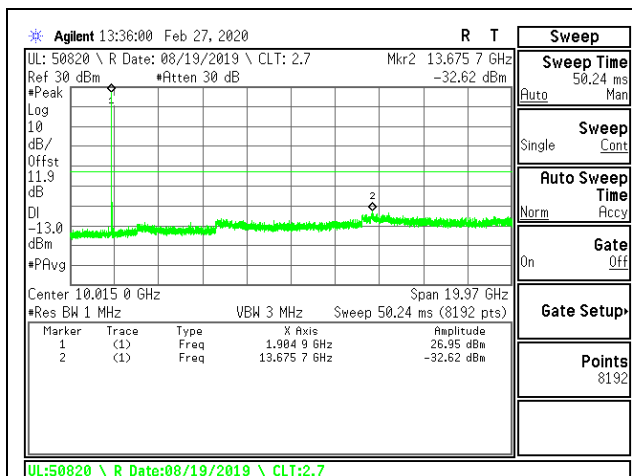
LTE B2 5MHz 16QAM Low Channel RB1-0



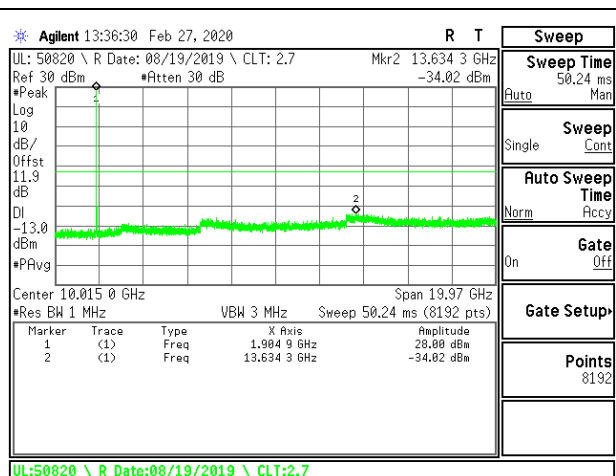
LTE B2 5MHz QPSK Middle Channel RB1-0



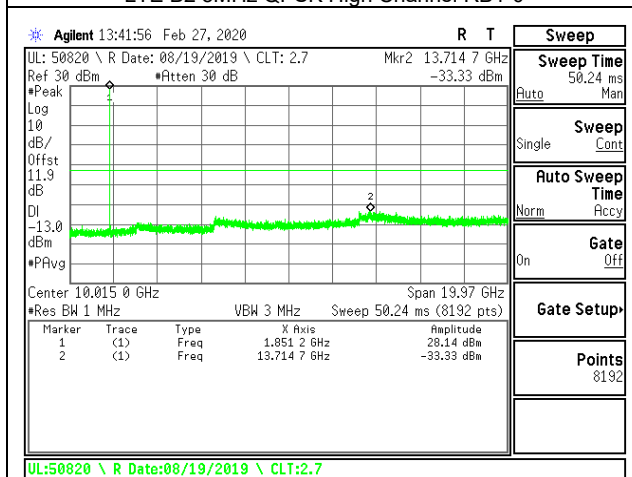
LTE B2 5MHz 16QAM Middle Channel RB1-0



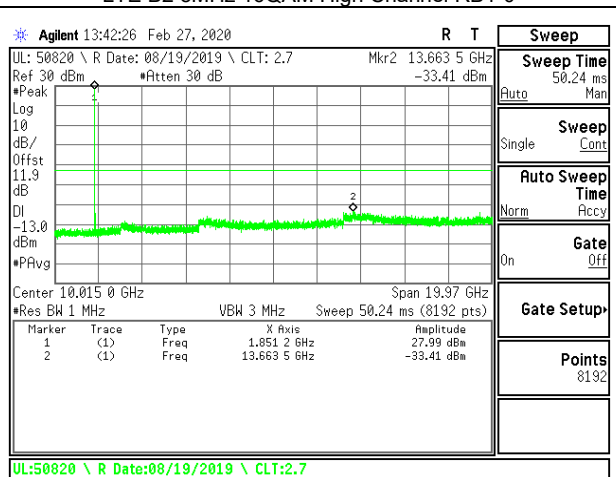
LTE B2 5MHz QPSK High Channel RB1-0



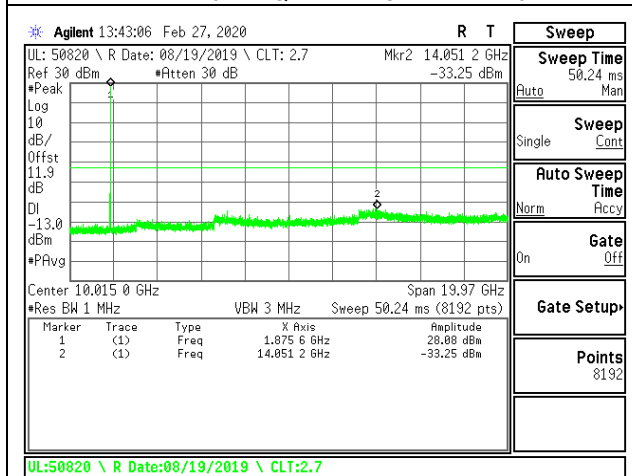
LTE B2 5MHz 16QAM High Channel RB1-0



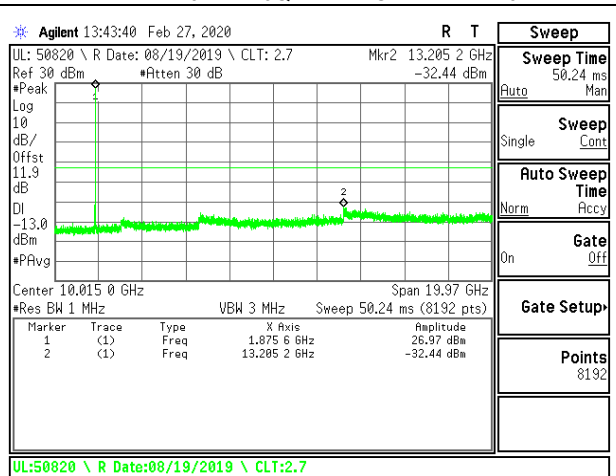
LTE B2 10MHz QPSK Low Channel RB1-0



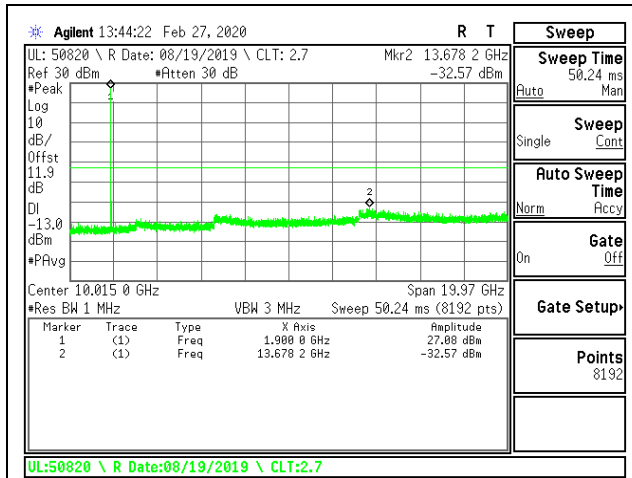
LTE B2 10MHz 16QAM Low Channel RB1-0



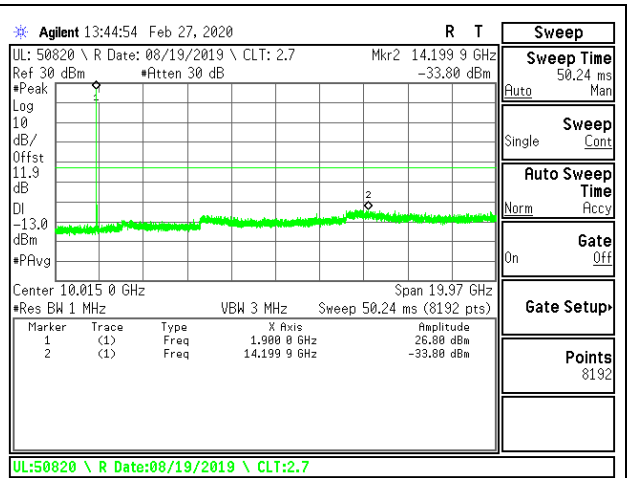
LTE B2 10MHz QPSK Middle Channel RB1-0



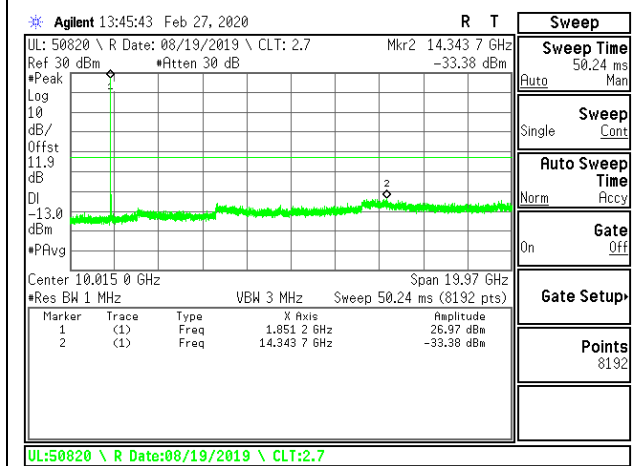
LTE B2 10MHz 16QAM Middle Channel RB1-0



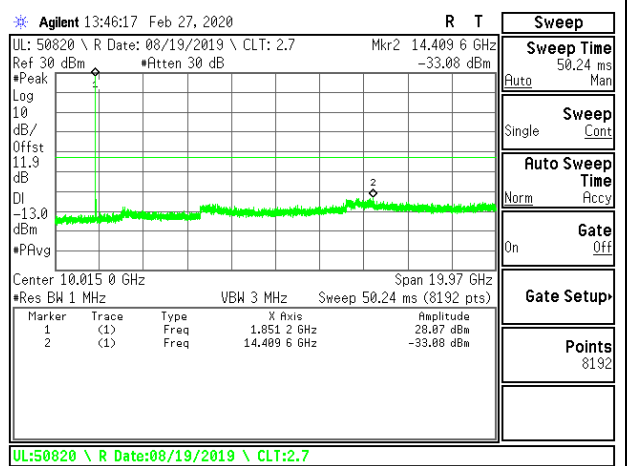
LTE B2 10MHz QPSK High Channel RB1-0



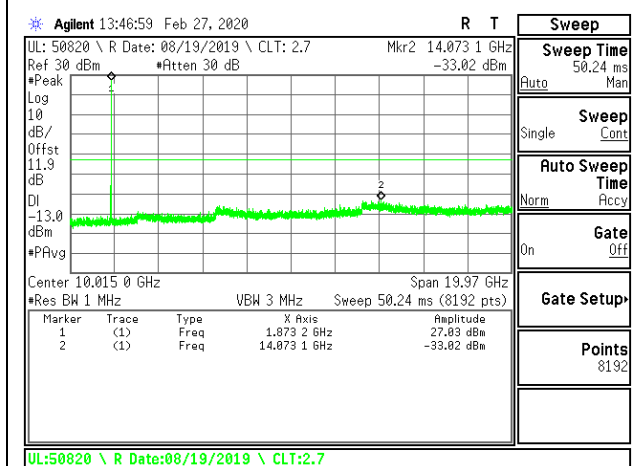
LTE B2 10MHz 16QAM High Channel RB1-0



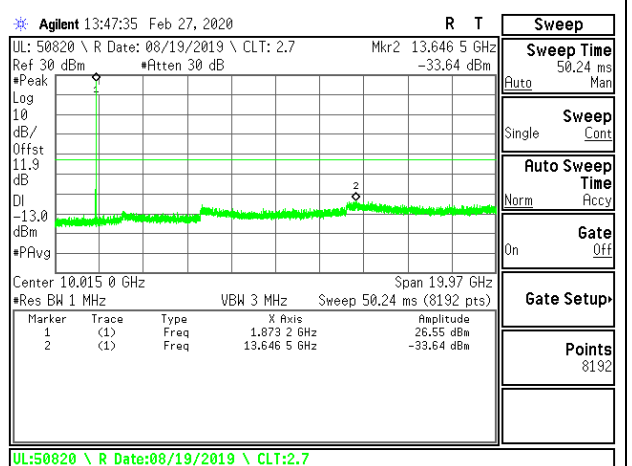
LTE B2 15MHz QPSK Low Channel RB1-0



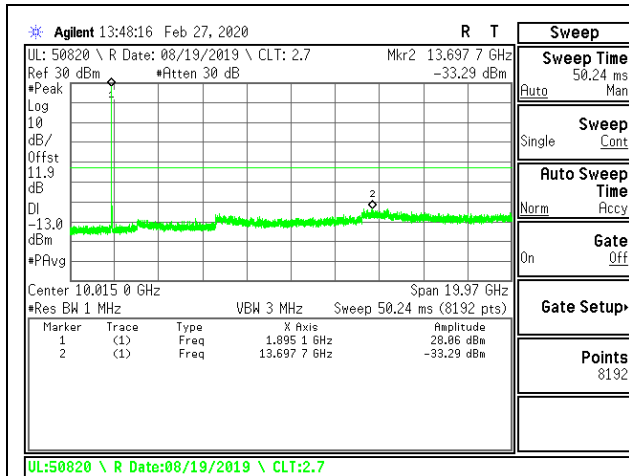
LTE B2 15MHz 16QAM Low Channel RB1-0



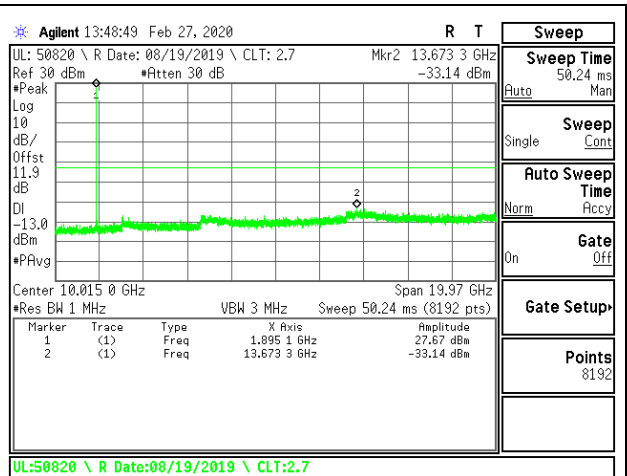
LTE B2 15MHz QPSK Middle Channel RB1-0



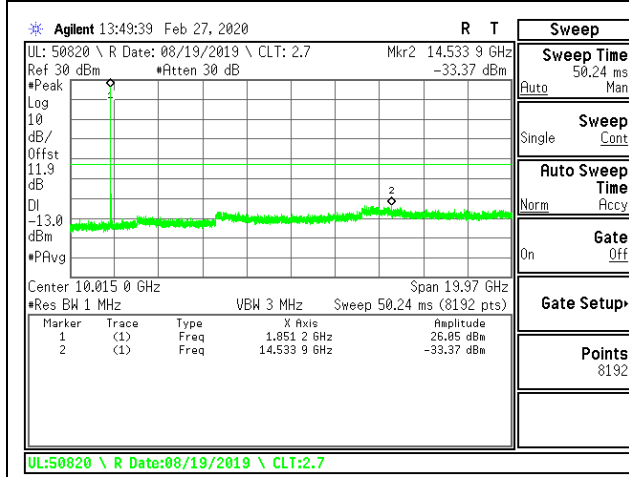
LTE B2 15MHz 16QAM Middle Channel RB1-0



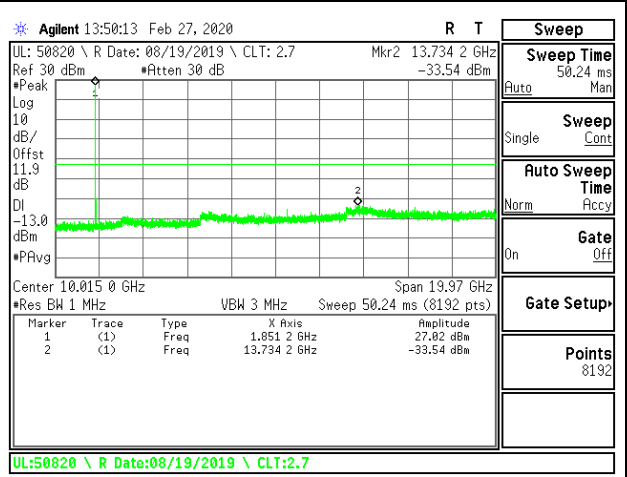
LTE B2 15MHz QPSK High Channel RB1-0



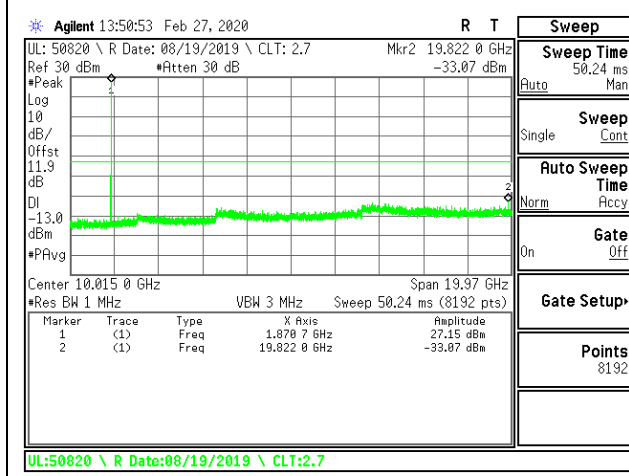
LTE B2 15MHz 16QAM High Channel RB1-0



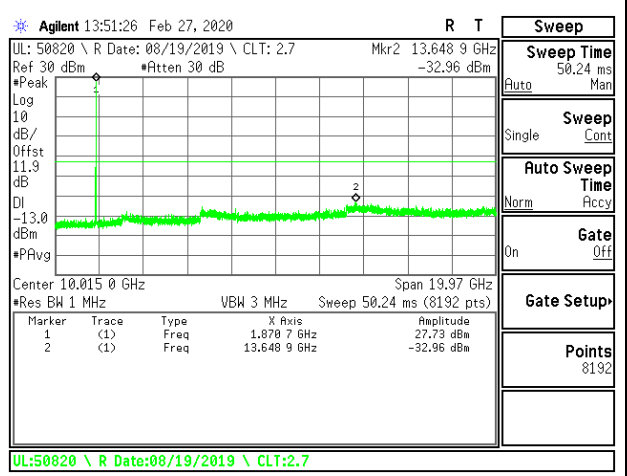
LTE B2 20MHz QPSK Low Channel RB1-0



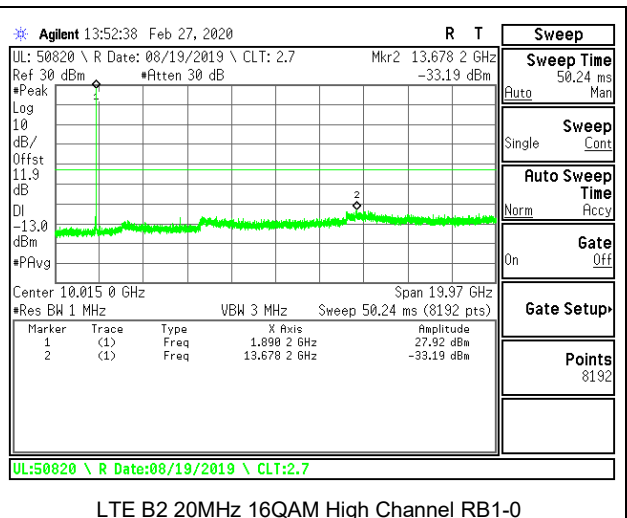
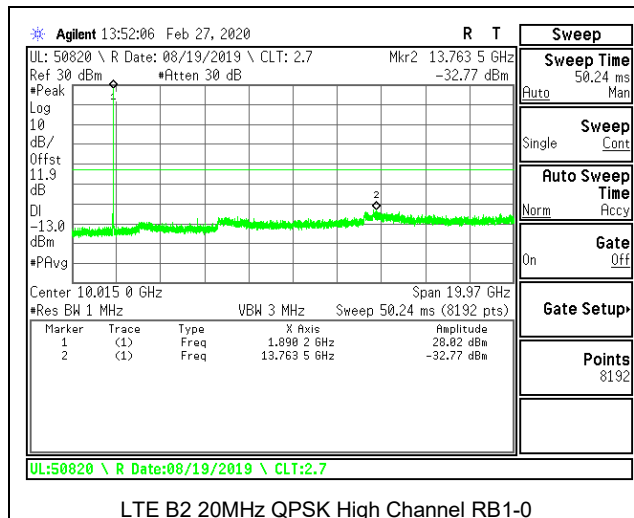
LTE B2 20MHz 16QAM Low Channel RB1-0



LTE B2 20MHz QPSK Middle Channel RB1-0



LTE B2 20MHz 16QAM Middle Channel RB1-0

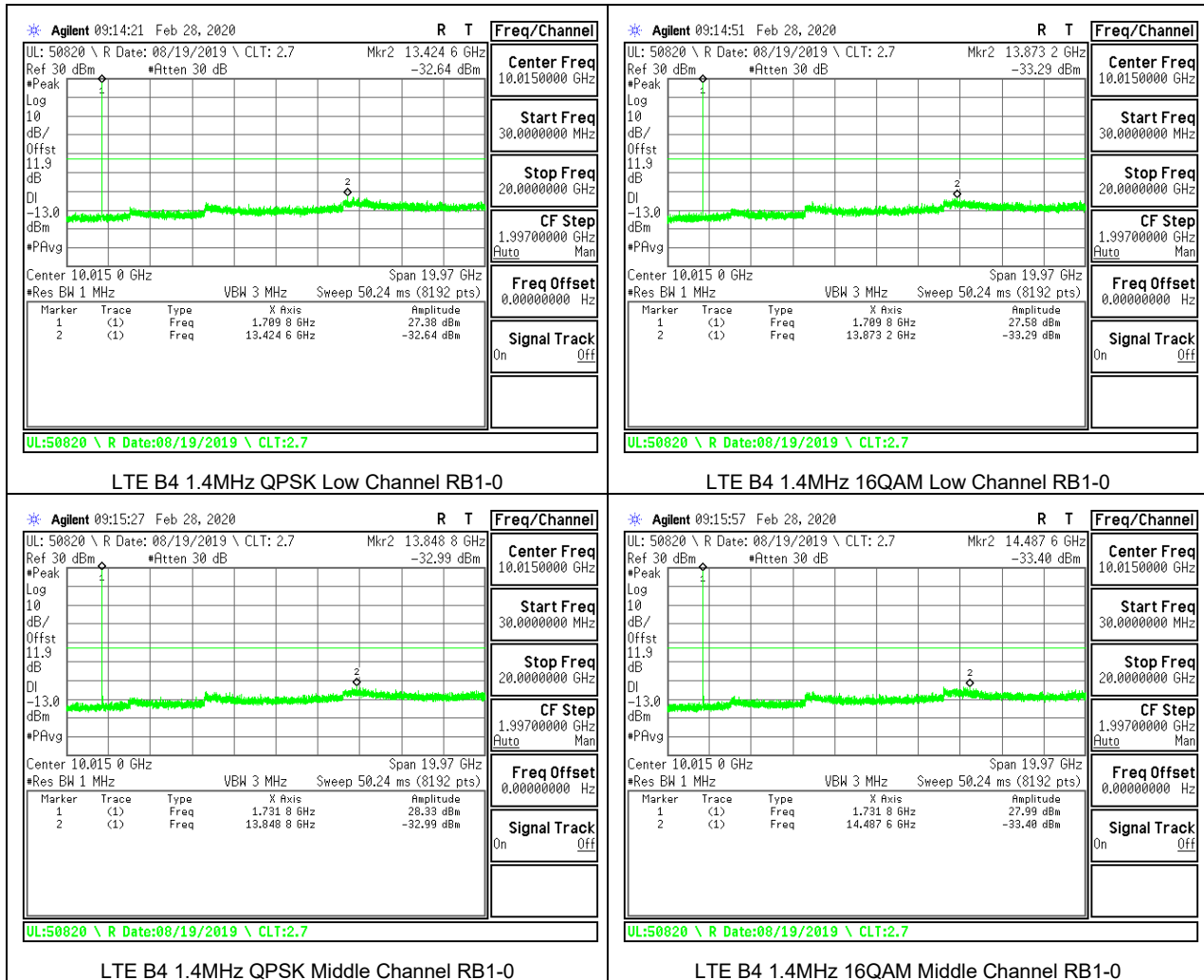


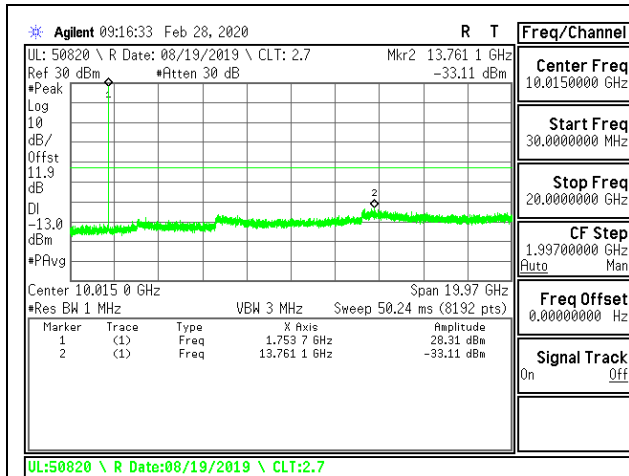
8.3.2. LTE BAND 4

LIMITS

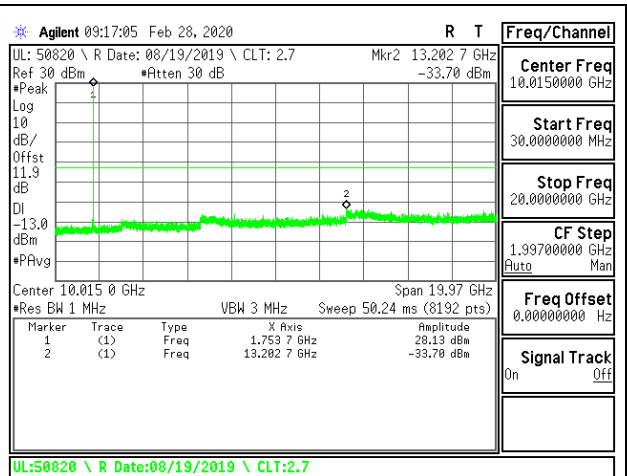
FCC: §27.53 (h)

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

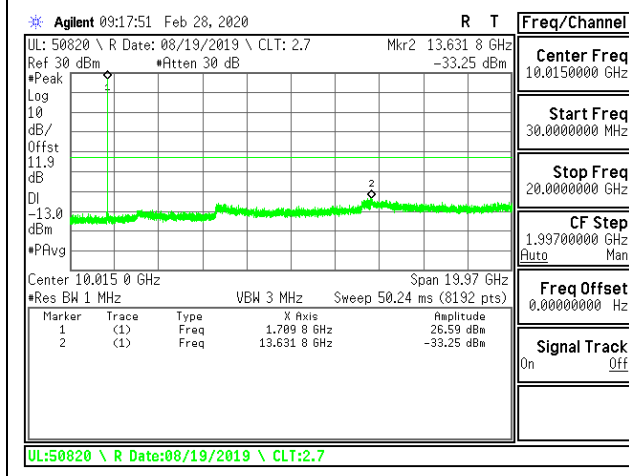




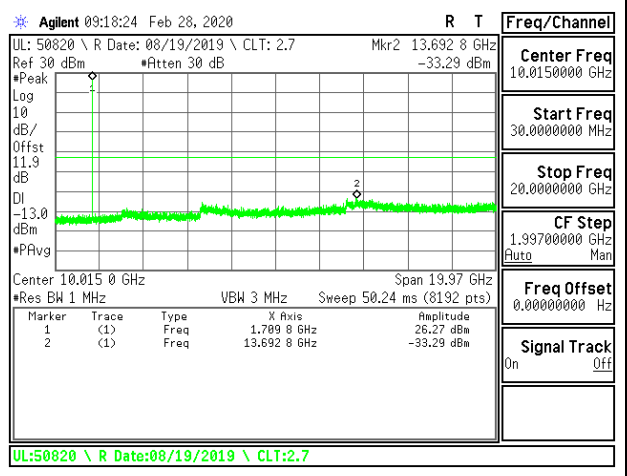
LTE B4 1.4MHz QPSK High Channel RB1-0



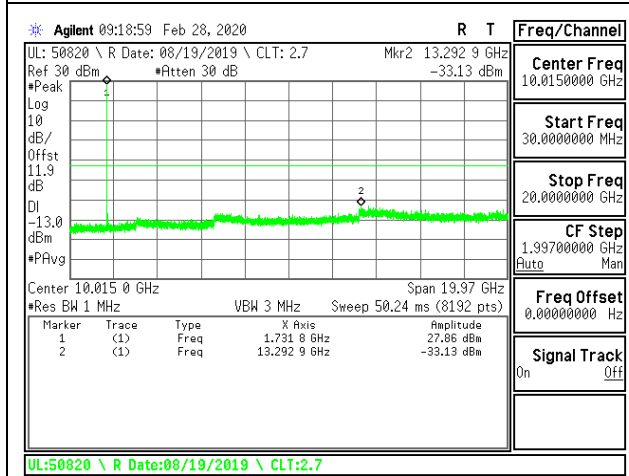
LTE B4 1.4MHz 16QAM High Channel RB1-0



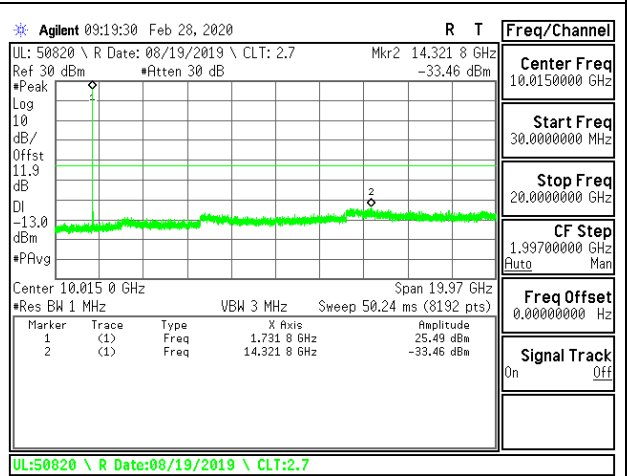
LTE B4 3MHz QPSK Low Channel RB1-0



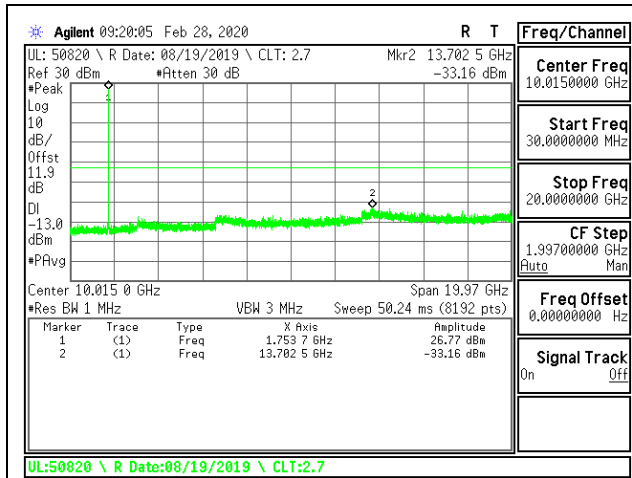
LTE B4 3MHz 16QAM Low Channel RB1-0



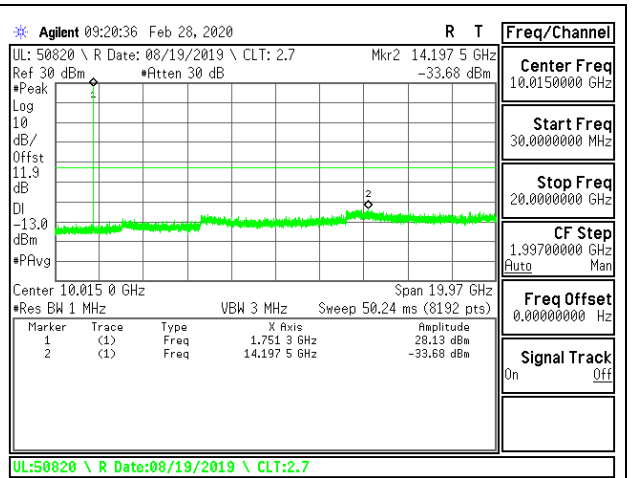
LTE B4 3MHz QPSK Middle Channel RB1-0



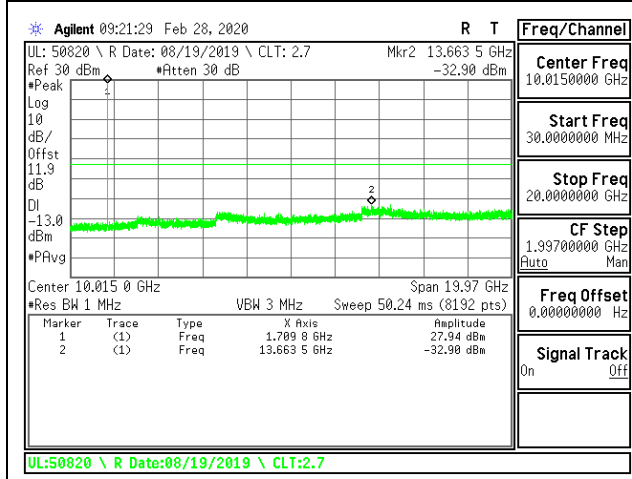
LTE B4 3MHz 16QAM Middle Channel RB1-0



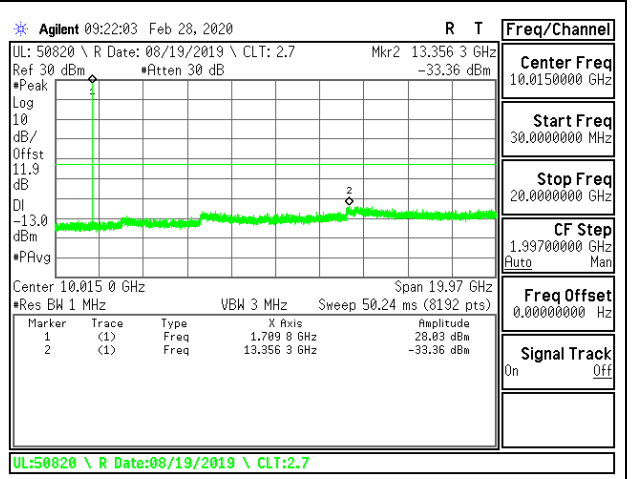
LTE B4 3MHz QPSK High Channel RB1-0



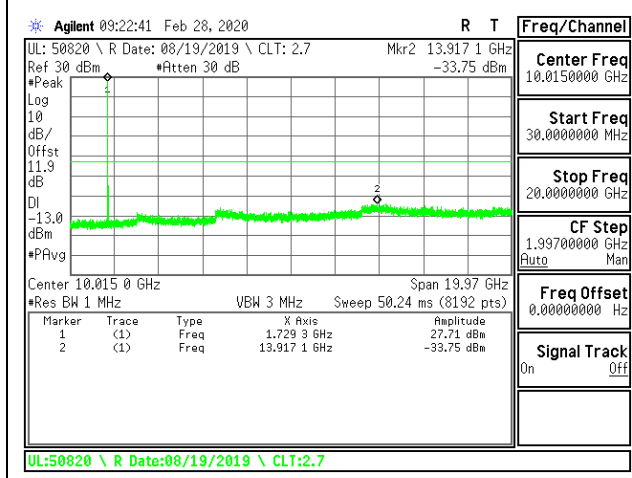
LTE B4 3MHz 16QAM High Channel RB1-0



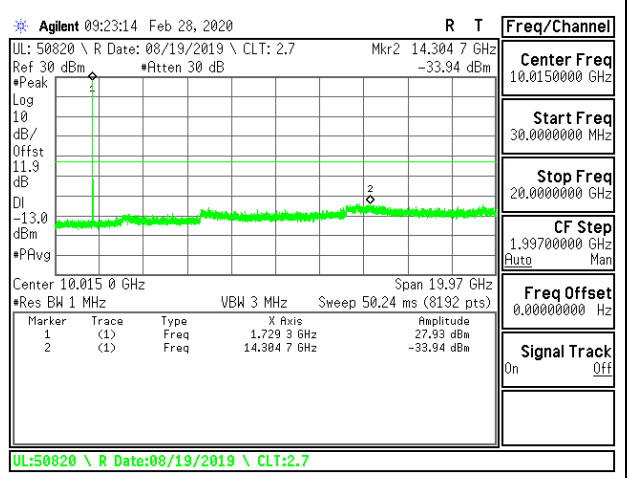
LTE B4 5MHz QPSK Low Channel RB1-0



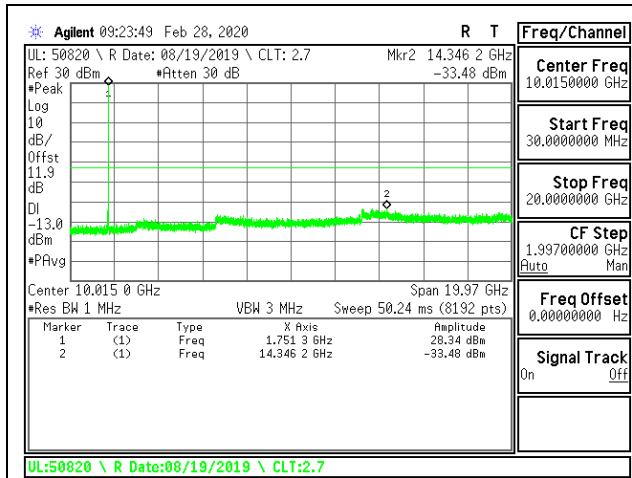
LTE B4 5MHz 16QAM Low Channel RB1-0



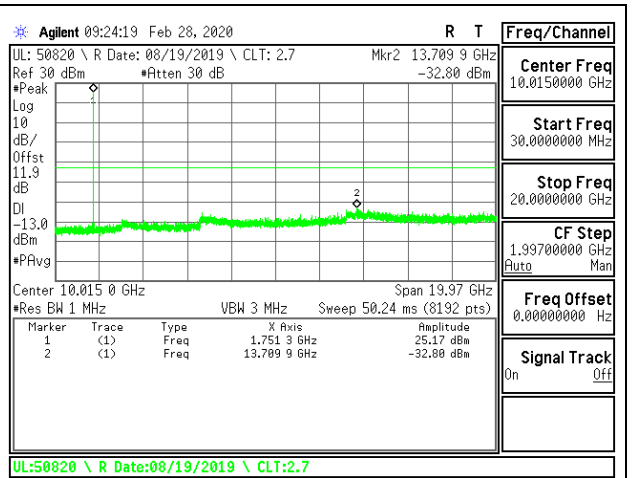
LTE B4 5MHz QPSK Middle Channel RB1-0



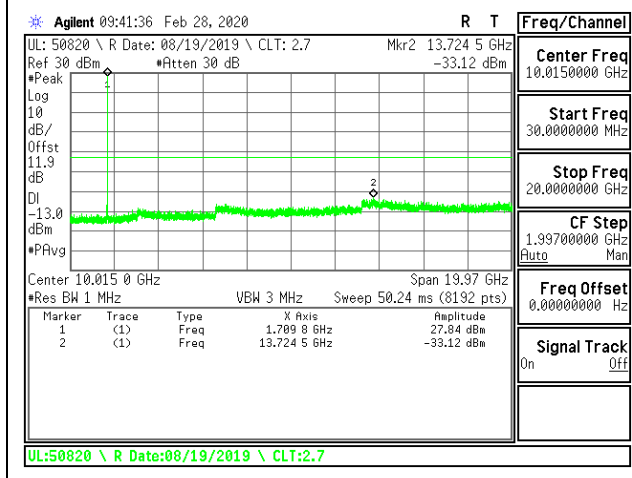
LTE B4 5MHz 16QAM Middle Channel RB1-0



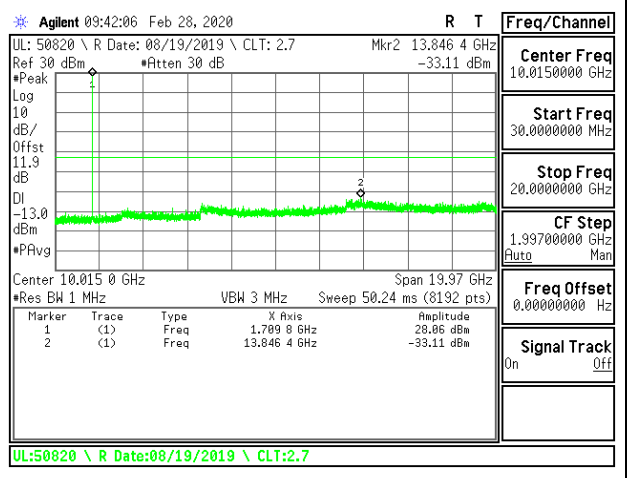
LTE B4 5MHz QPSK High Channel RB1-0



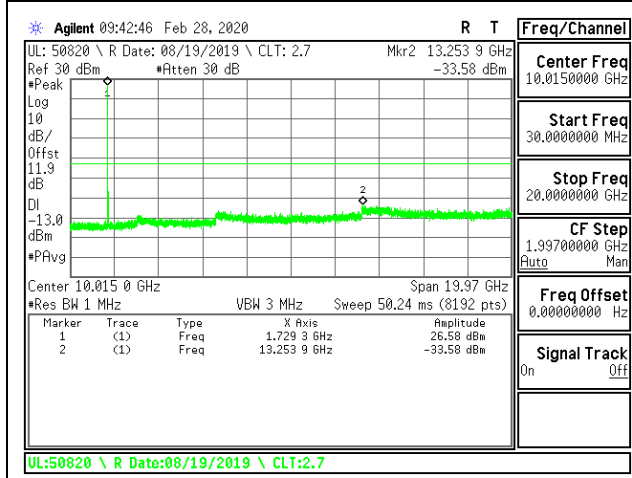
LTE B4 5MHz 16QAM High Channel RB1-0



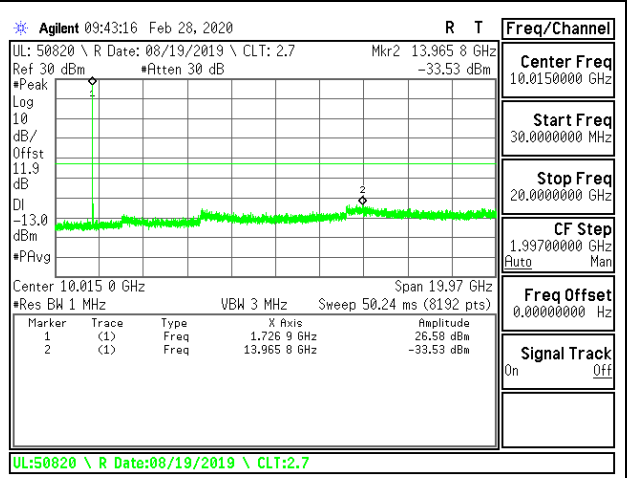
LTE B4 10MHz QPSK Low Channel RB1-0



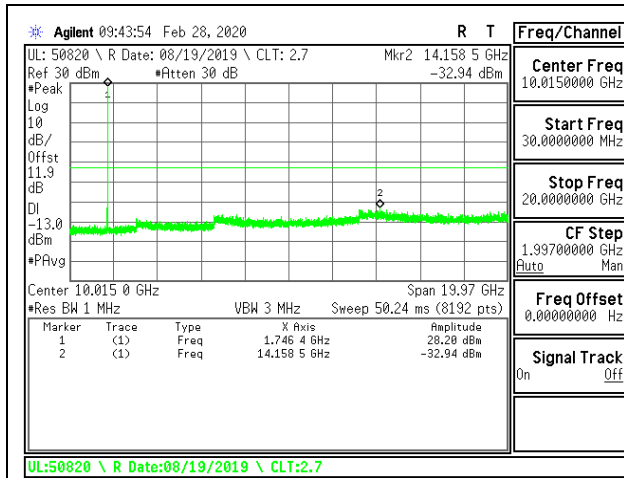
LTE B4 10MHz 16QAM Low Channel RB1-0



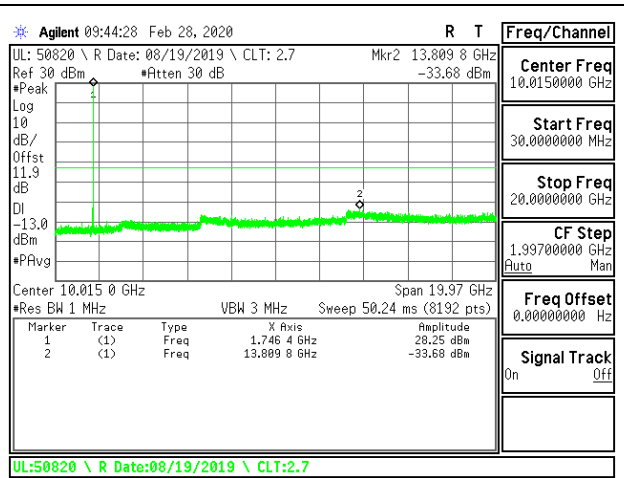
LTE B4 10MHz QPSK Middle Channel RB1-0



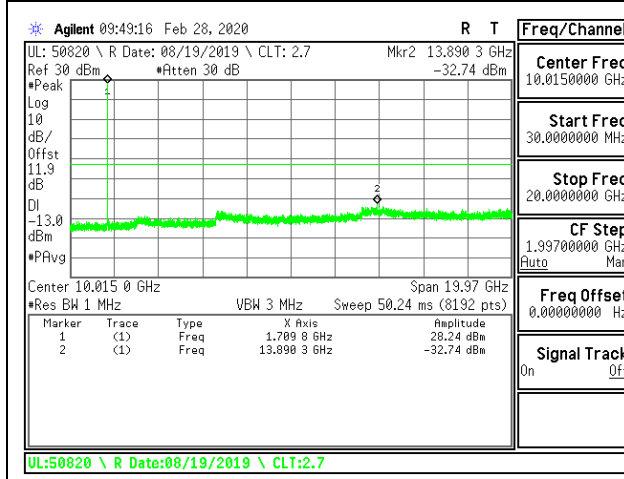
LTE B4 10MHz 16QAM Middle Channel RB1-0



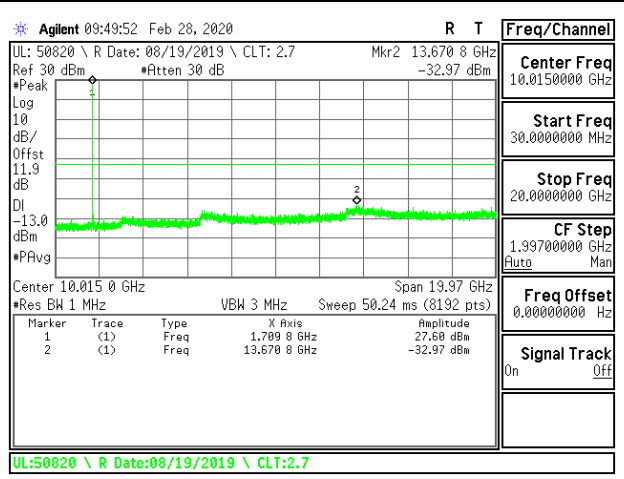
LTE B4 10MHz QPSK High Channel RB1-0



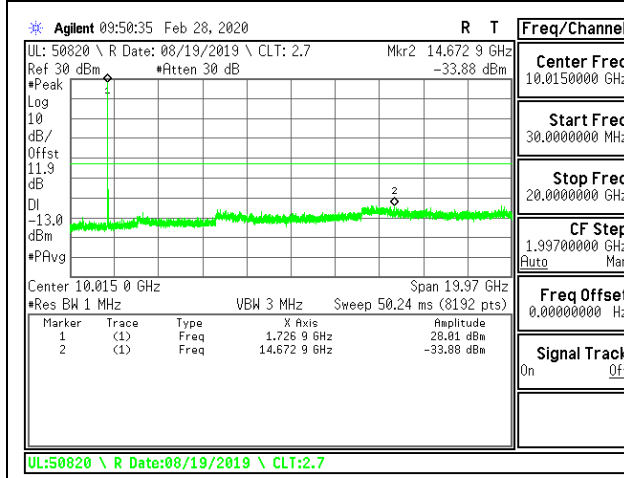
LTE B4 10MHz 16QAM High Channel RB1-0



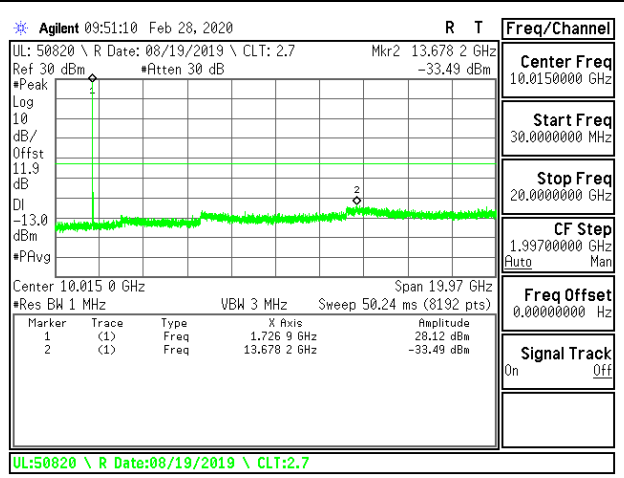
LTE B4 15MHz QPSK Low Channel RB1-0



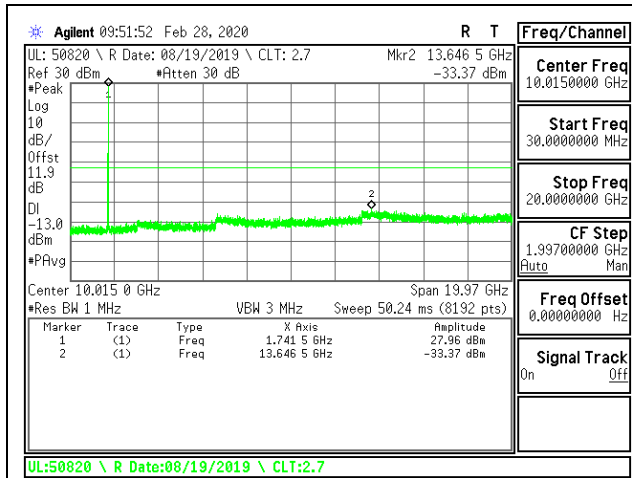
LTE B4 15MHz 16QAM Low Channel RB1-0



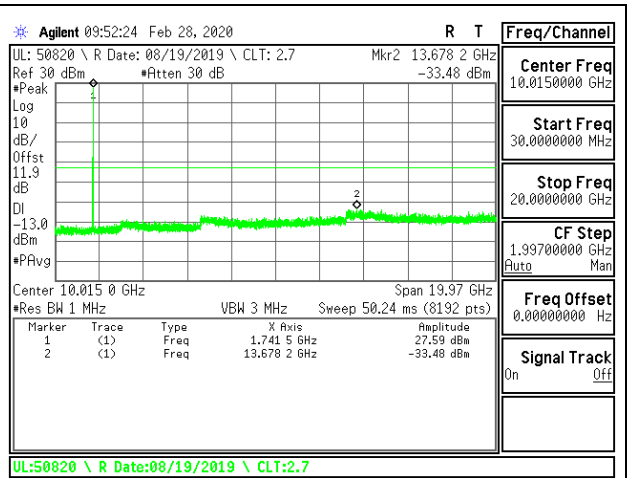
LTE B4 15MHz QPSK Middle Channel RB1-0



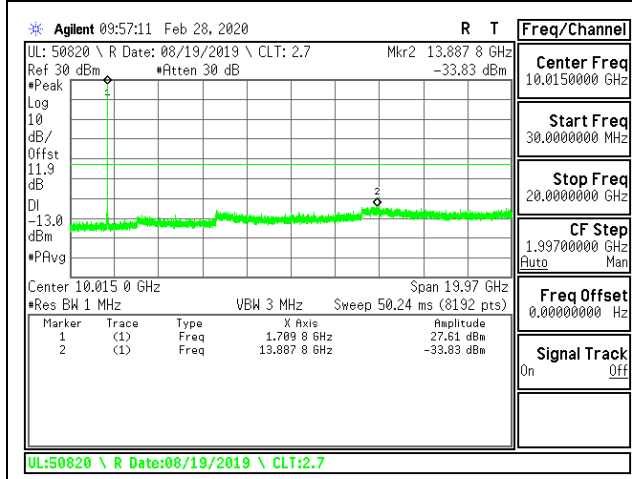
LTE B4 15MHz 16QAM Middle Channel RB1-0



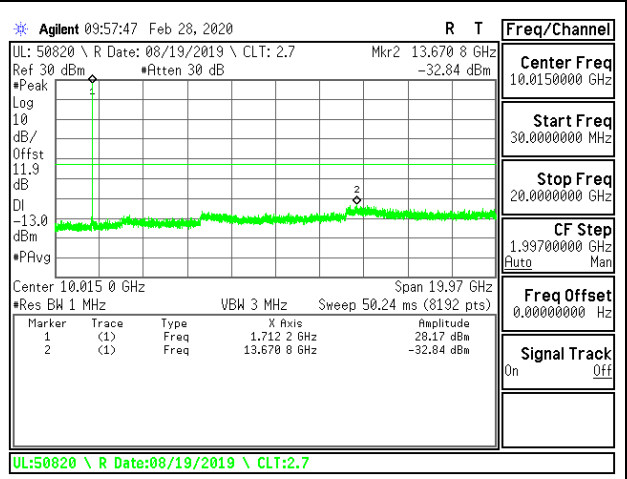
LTE B4 15MHz QPSK High Channel RB1-0



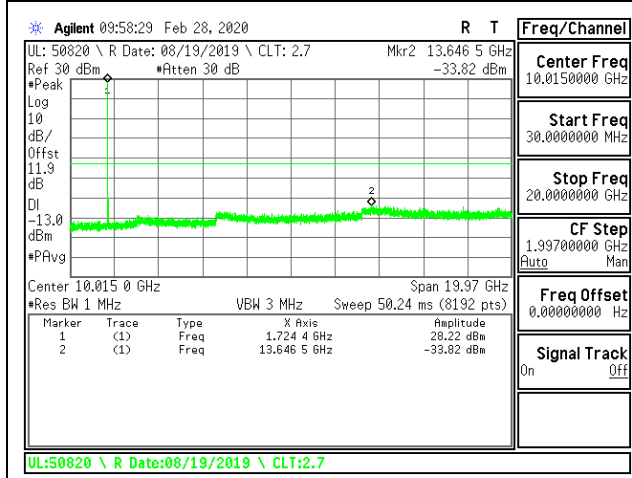
LTE B4 15MHz 16QAM High Channel RB1-0



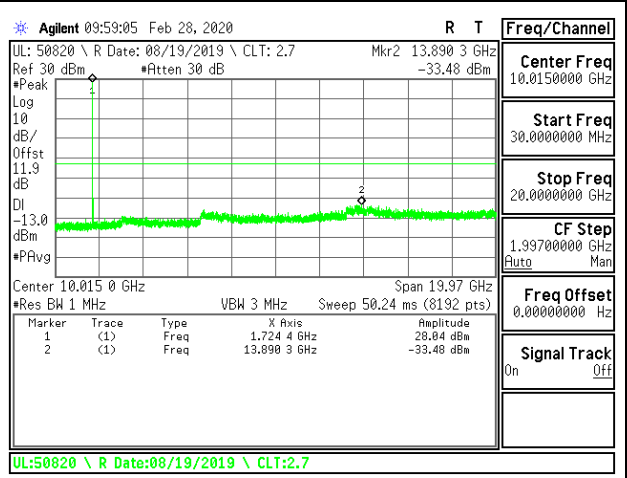
LTE B4 20MHz QPSK Low Channel RB1-0



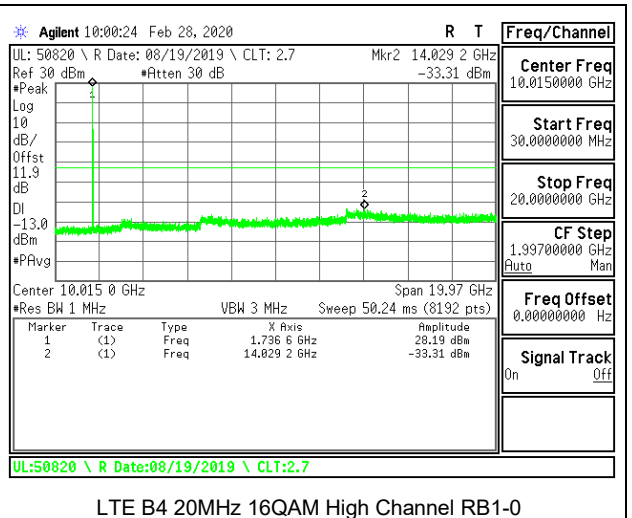
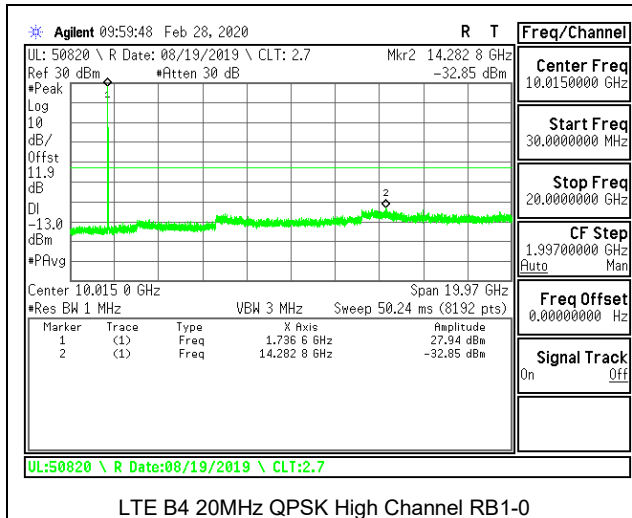
LTE B4 20MHz 16QAM Low Channel RB1-0



LTE B4 20MHz QPSK Middle Channel RB1-0



LTE B4 20MHz 16QAM Middle Channel RB1-0

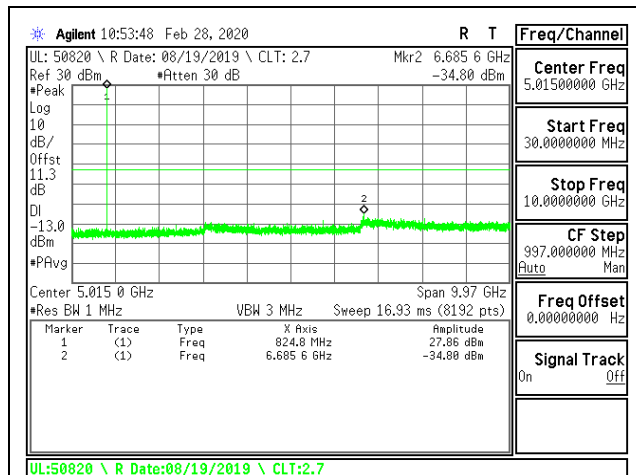


8.3.3. LTE BAND 5

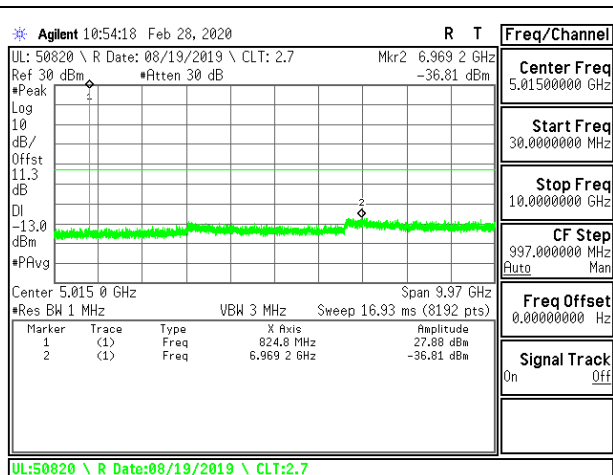
LIMITS

FCC: §22.917

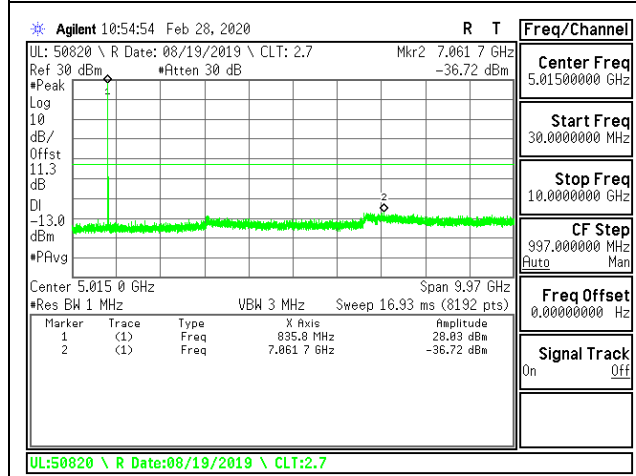
The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log(P)$ dB where transmitting power (P) in Watts.



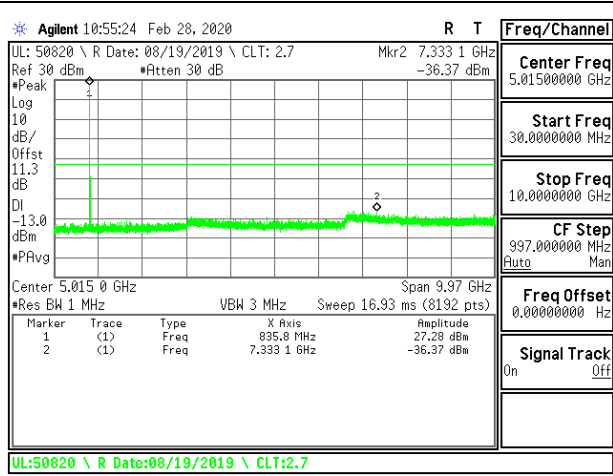
LTE B5 1.4MHz QPSK Low Channel RB1-0



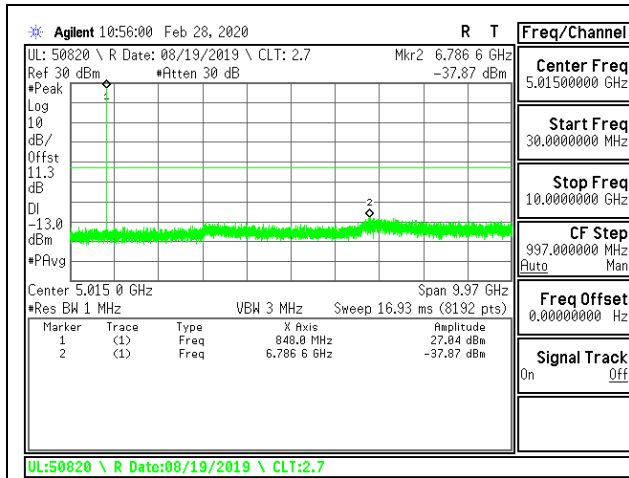
LTE B5 1.4MHz 16QAM Low Channel RB1-0



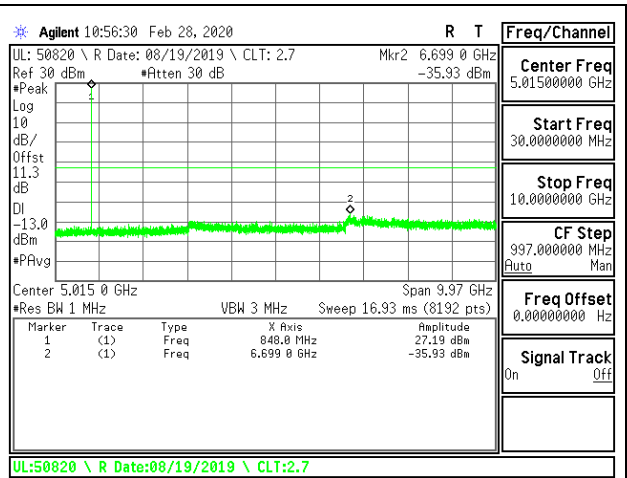
LTE B5 1.4MHz QPSK Middle Channel RB1-0



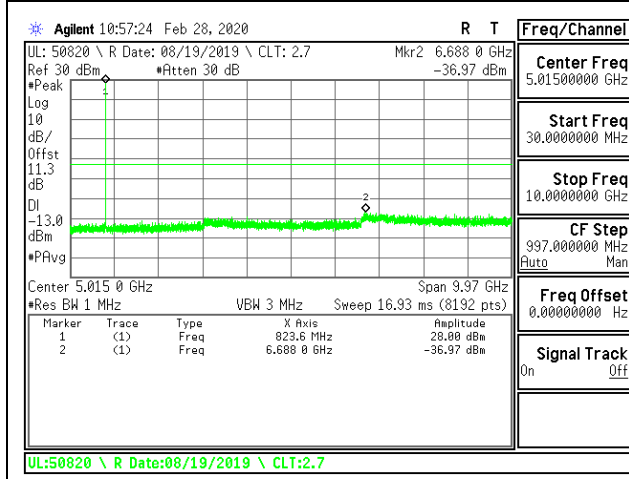
LTE B5 1.4MHz 16QAM Middle Channel RB1-0



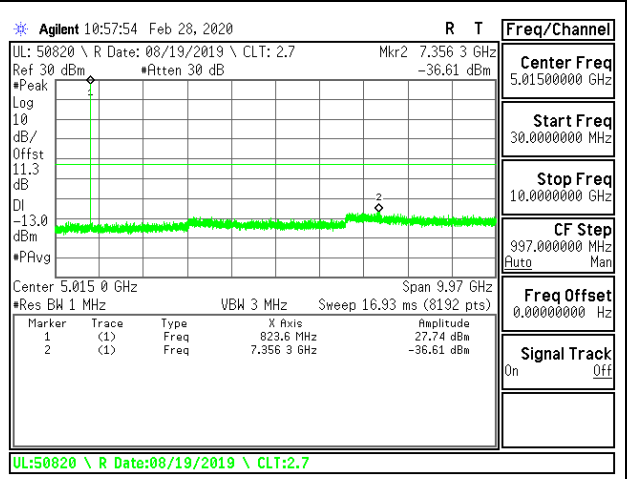
LTE B5 1.4MHz QPSK High Channel RB1-0



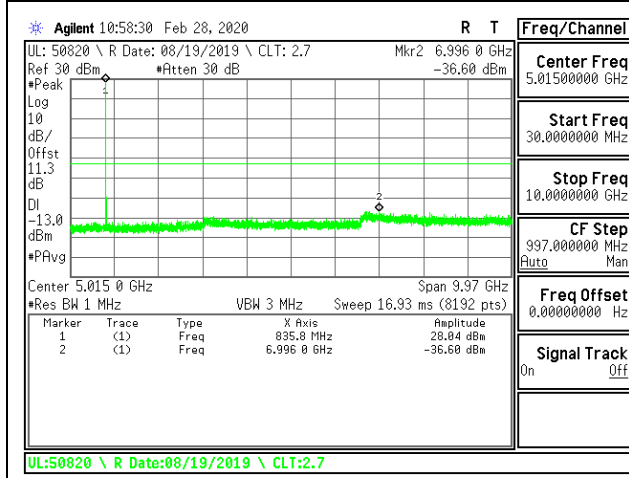
LTE B5 1.4MHz 16QAM High Channel RB1-0



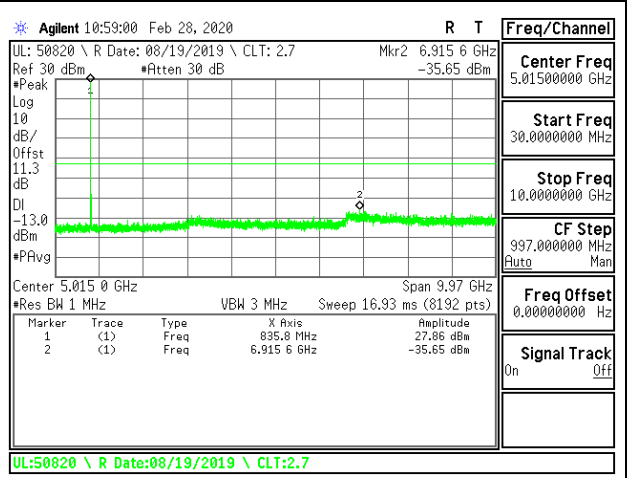
LTE B5 3MHz QPSK Low Channel RB1-0



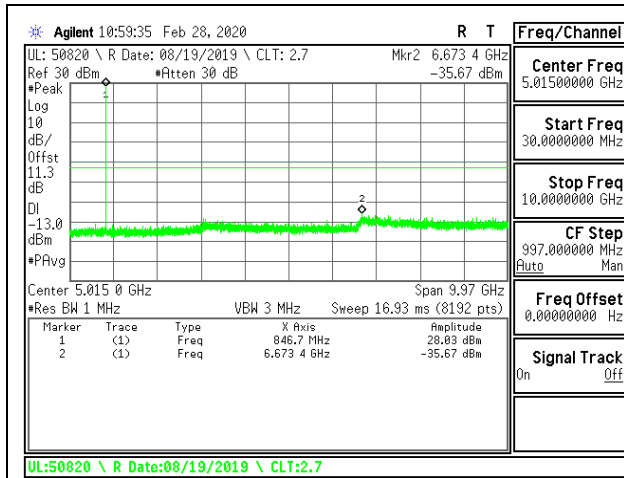
LTE B5 3MHz 16QAM Low Channel RB1-0



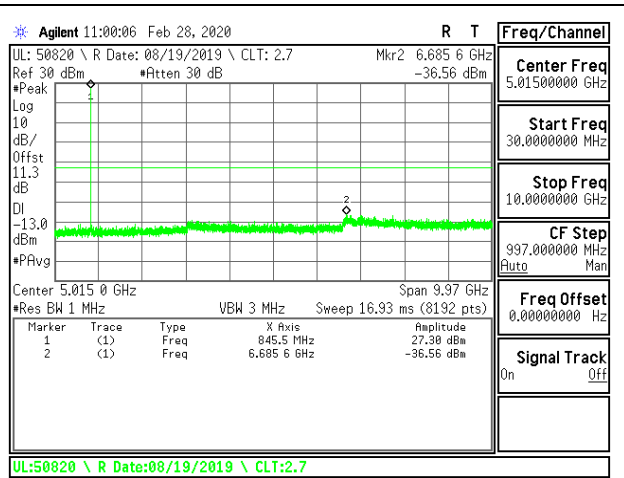
LTE B5 3MHz QPSK Middle Channel RB1-0



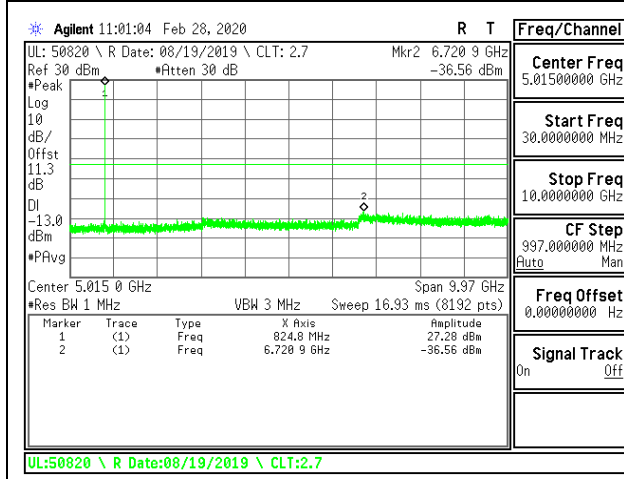
LTE B5 3MHz 16QAM Middle Channel RB1-0



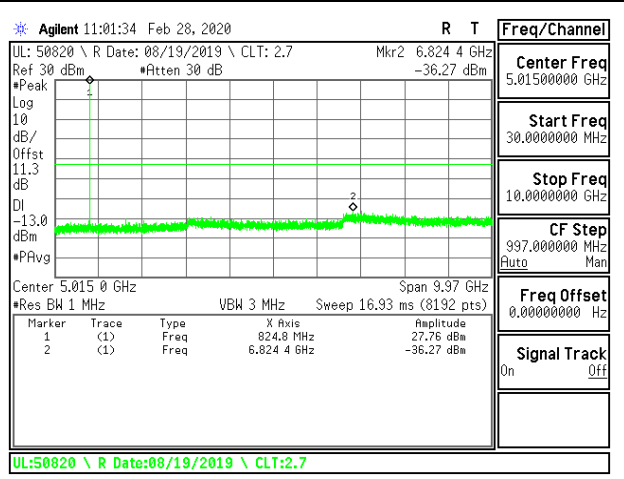
LTE B5 3MHz QPSK High Channel RB1-0



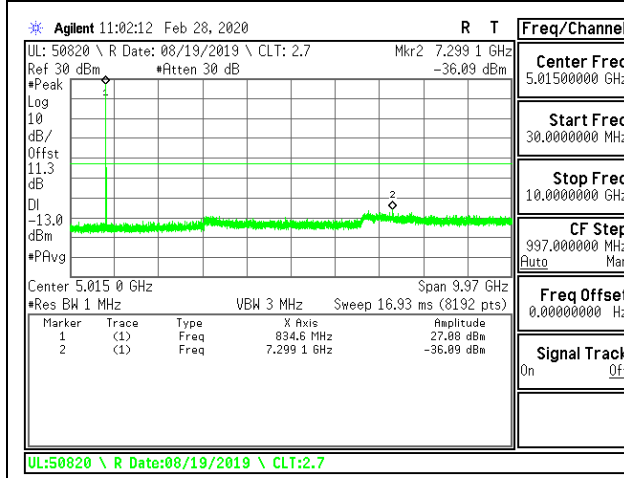
LTE B5 3MHz 16QAM High Channel RB1-0



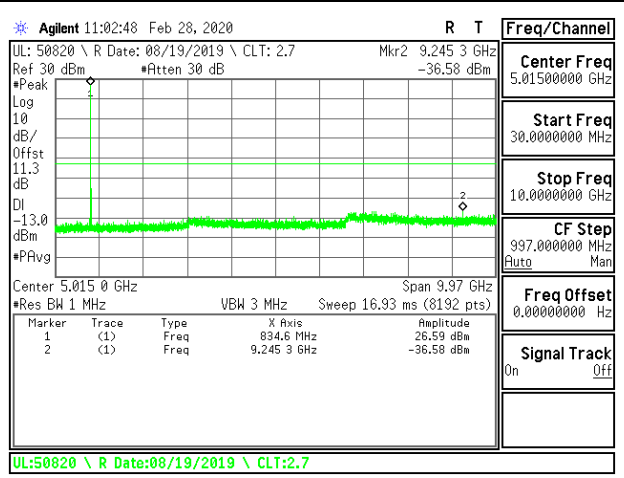
LTE B5 5MHz QPSK Low Channel RB1-0



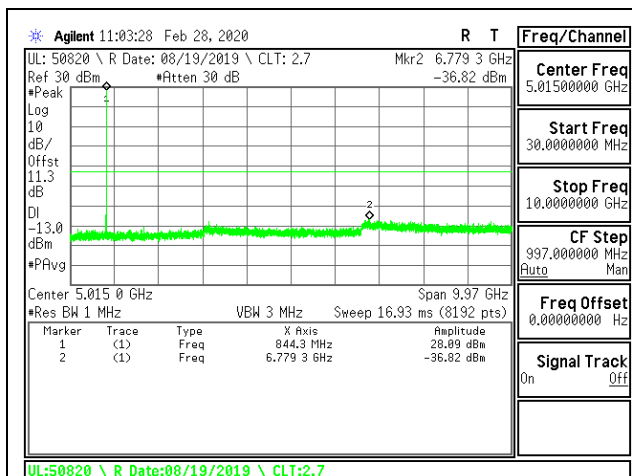
LTE B5 5MHz 16QAM Low Channel RB1-0



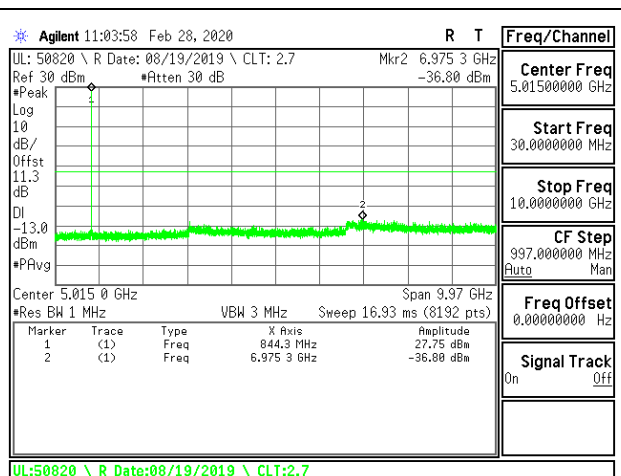
LTE B5 5MHz QPSK Middle Channel RB1-0



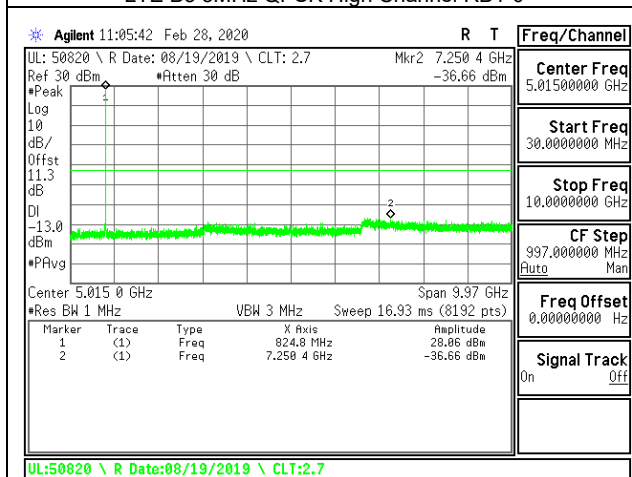
LTE B5 5MHz 16QAM Middle Channel RB1-0



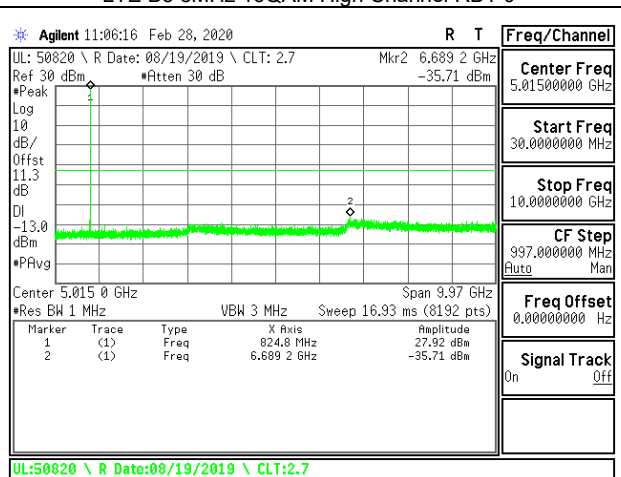
LTE B5 5MHz QPSK High Channel RB1-0



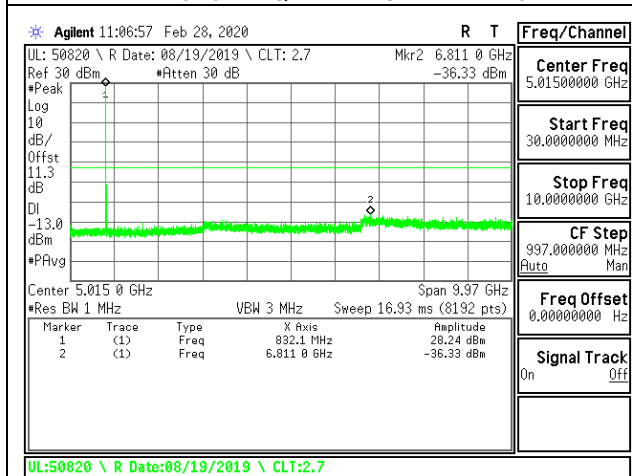
LTE B5 5MHz 16QAM High Channel RB1-0



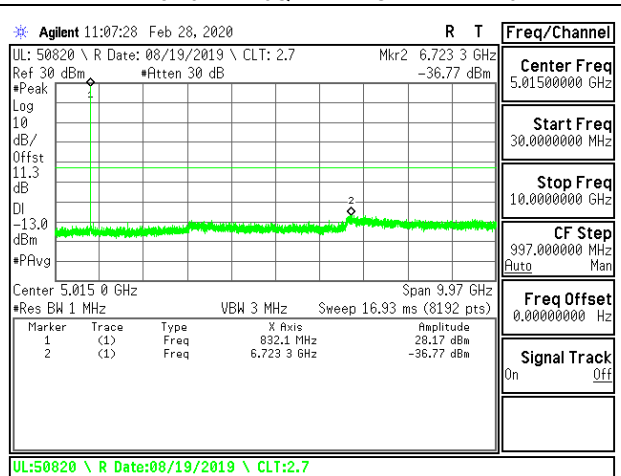
LTE B5 10MHz QPSK Low Channel RB1-0



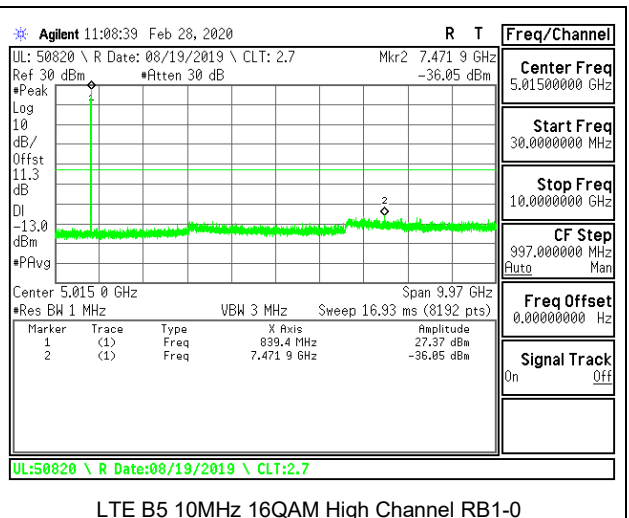
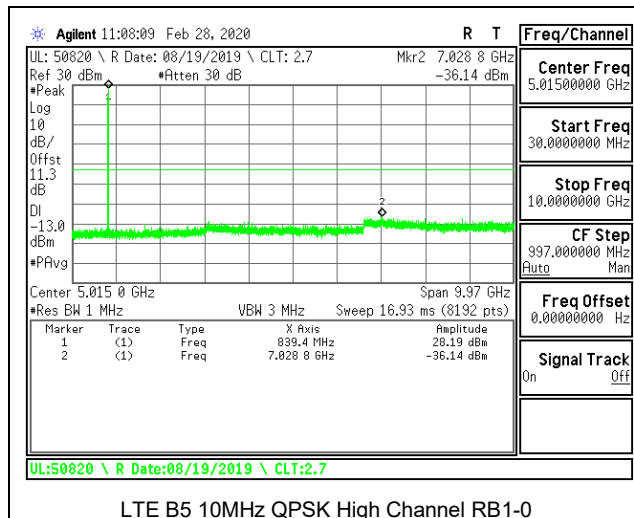
LTE B5 10MHz 16QAM Low Channel RB1-0



LTE B5 10MHz QPSK Middle Channel RB1-0



LTE B5 10MHz 16QAM Middle Channel RB1-0



8.3.4. LTE BAND 7

LIMITS

FCC: §27.53 (m)

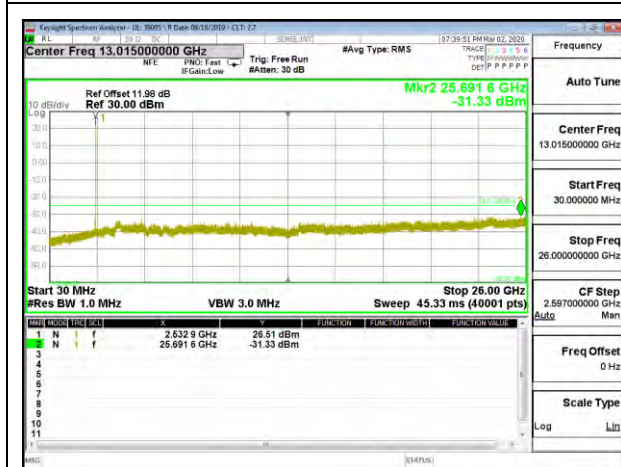
The minimum permissible attenuation level of any spurious emissions is 55 + 10 log (P) dB where transmitting power (P) in Watts.



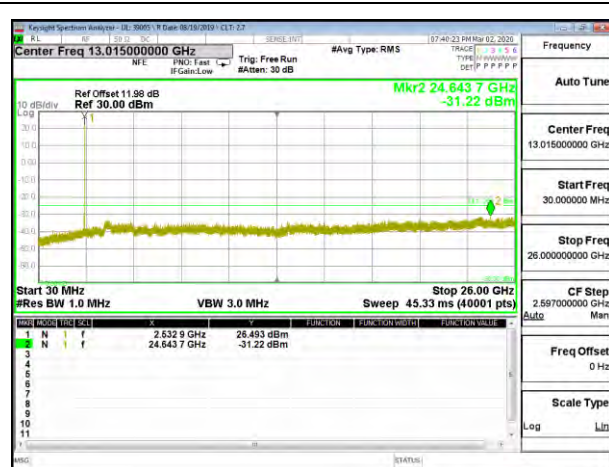
LTE B7 5MHz QPSK Low Channel RB1-0



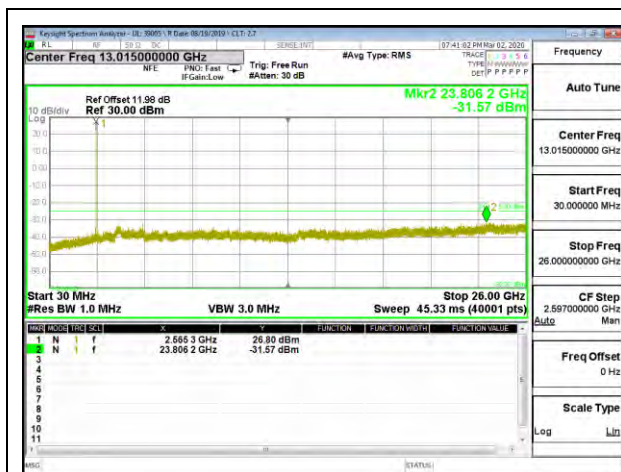
LTE B7 5MHz 16QAM Low Channel RB1-0



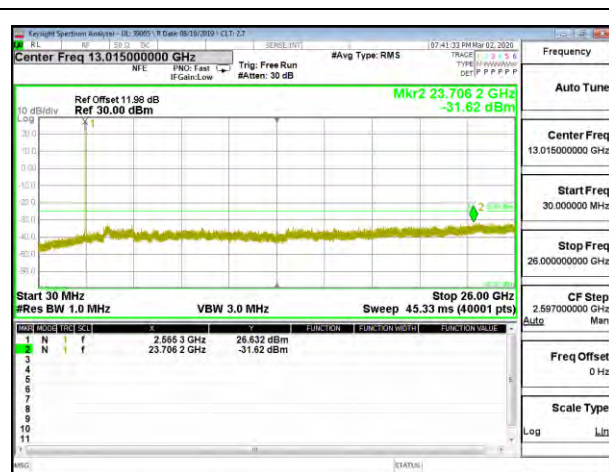
LTE B7 5MHz QPSK Middle Channel RB1-0



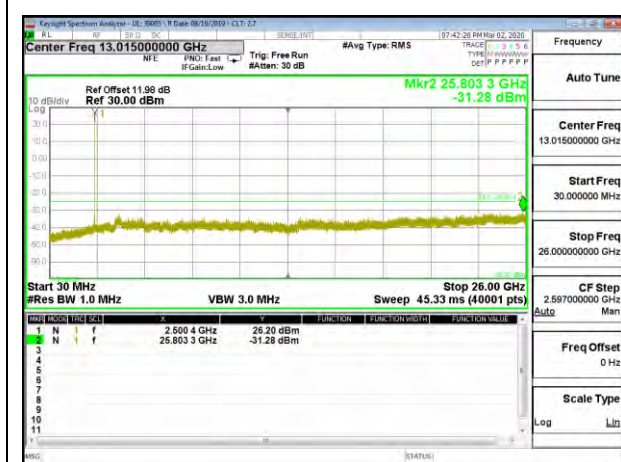
LTE B7 5MHz 16QAM Middle Channel RB1-0



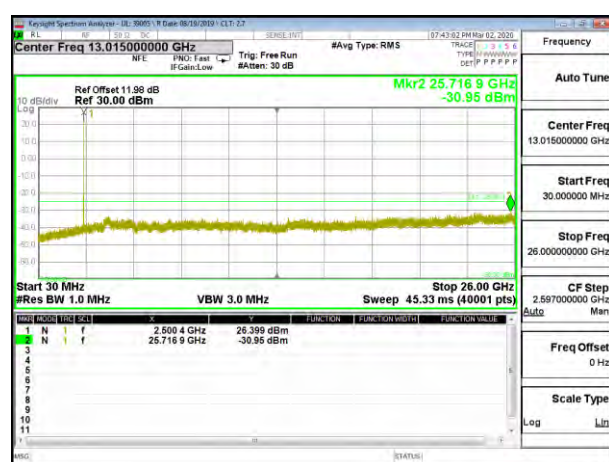
LTE B7 5MHz QPSK High Channel RB1-0



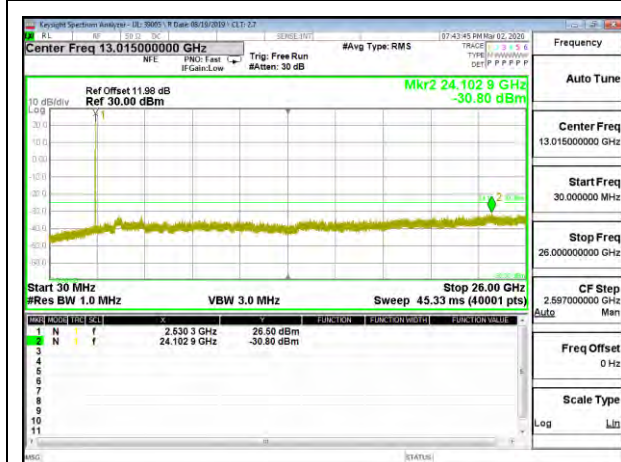
LTE B7 5MHz 16QAM High Channel RB1-0



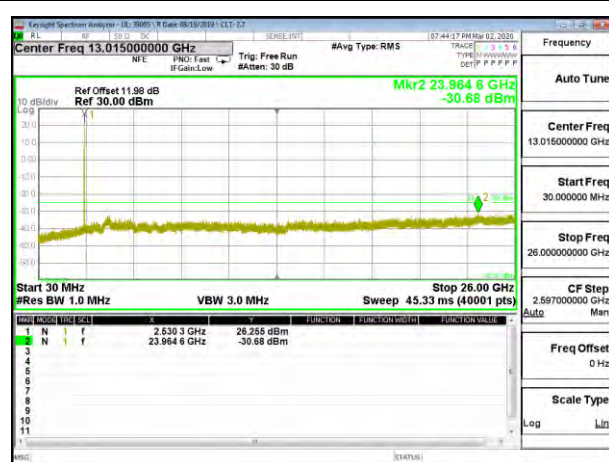
LTE B7 10MHz QPSK Low Channel RB1-0



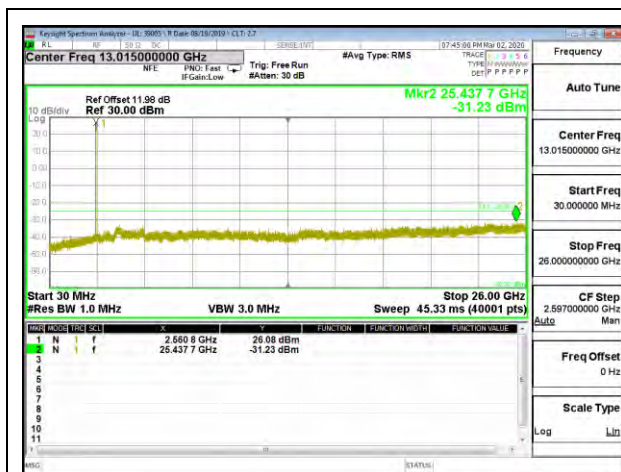
LTE B7 10MHz 16QAM Low Channel RB1-0



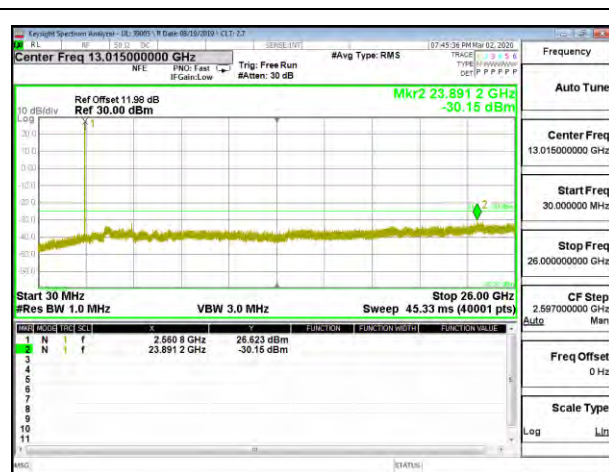
LTE B7 10MHz QPSK Middle Channel RB1-0



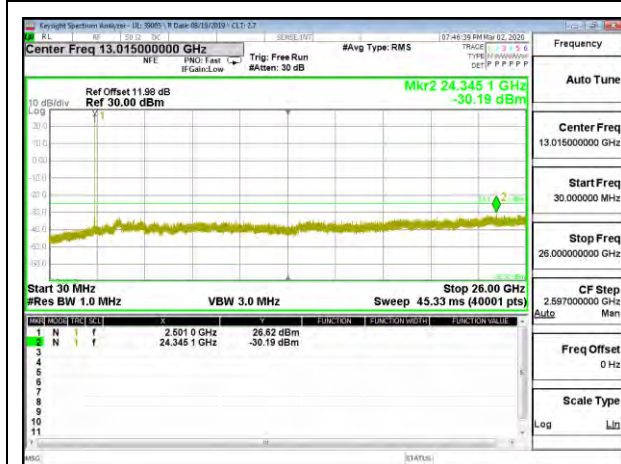
LTE B7 10MHz 16QAM Middle Channel RB1-0



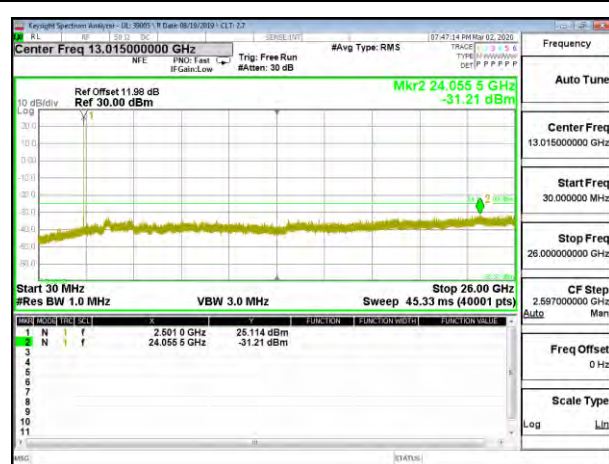
LTE B7 10MHz QPSK High Channel RB1-0



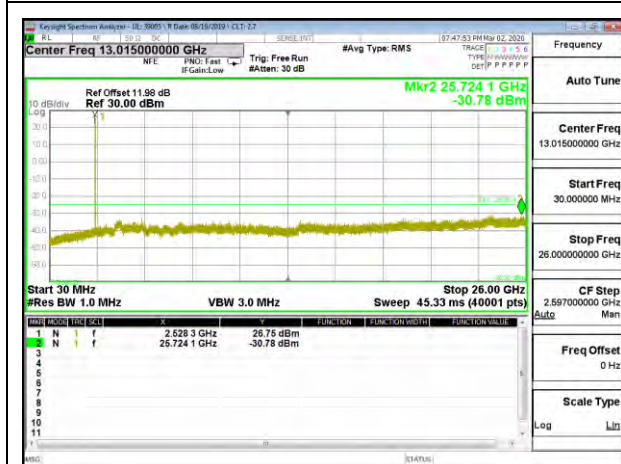
LTE B7 10MHz 16QAM High Channel RB1-0



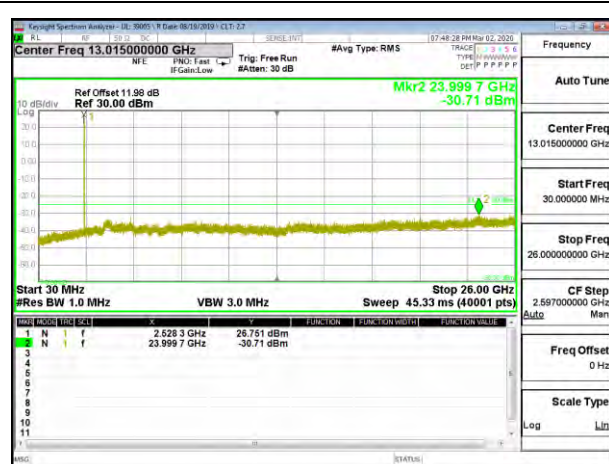
LTE B7 15MHz QPSK Low Channel RB1-0



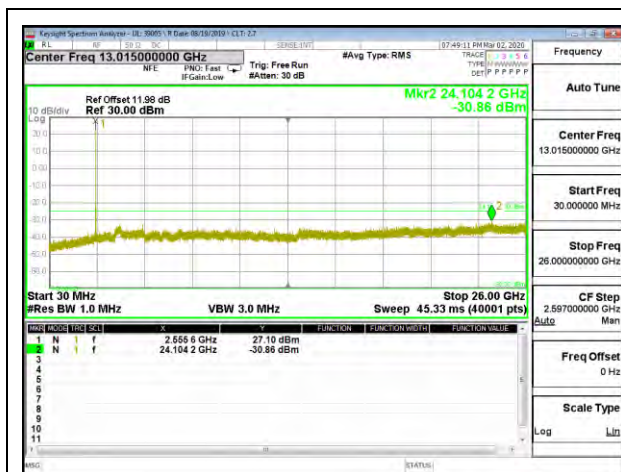
LTE B7 15MHz 16QAM Low Channel RB1-0



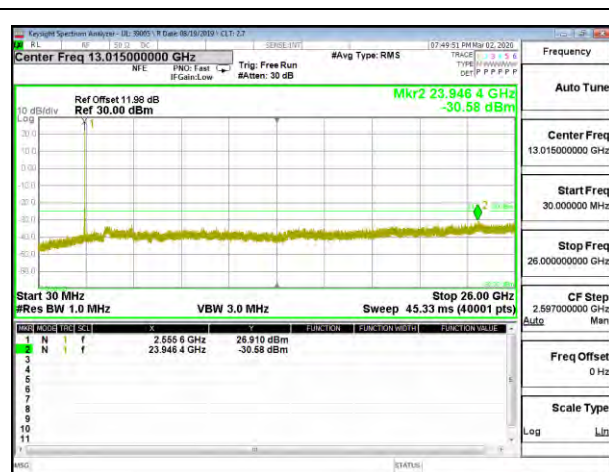
LTE B7 15MHz QPSK Middle Channel RB1-0



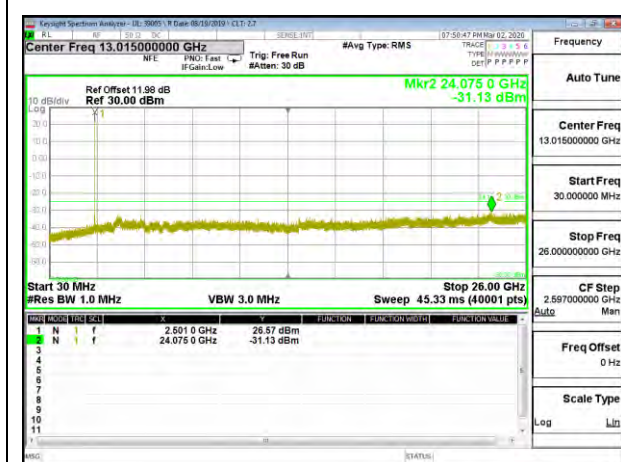
LTE B7 15MHz 16QAM Middle Channel RB1-0



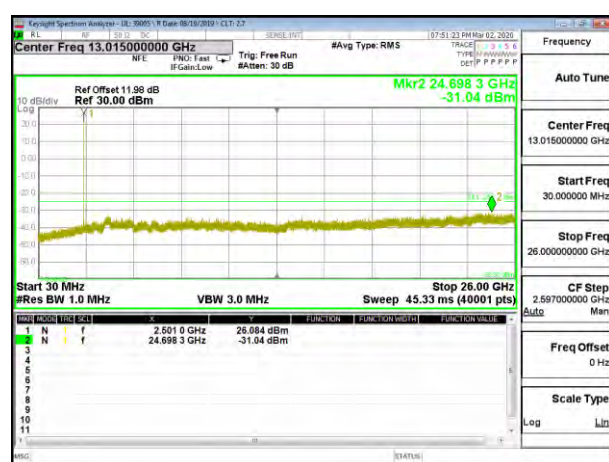
LTE B7 15MHz QPSK High Channel RB1-0



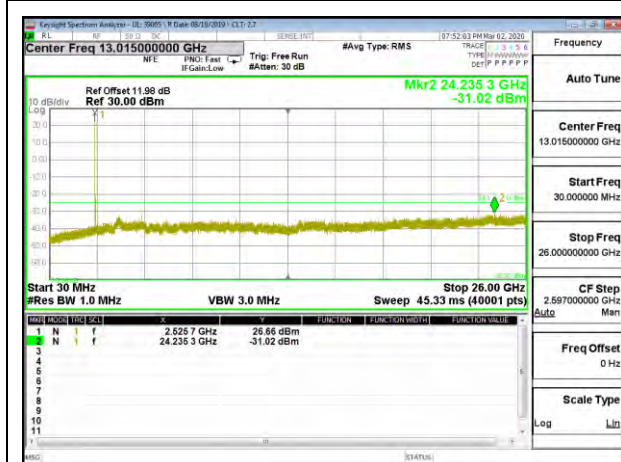
LTE B7 15MHz 16QAM High Channel RB1-0



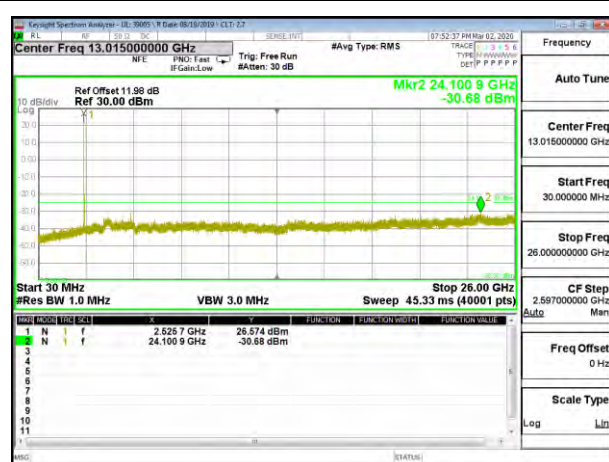
LTE B7 20MHz QPSK Low Channel RB1-0



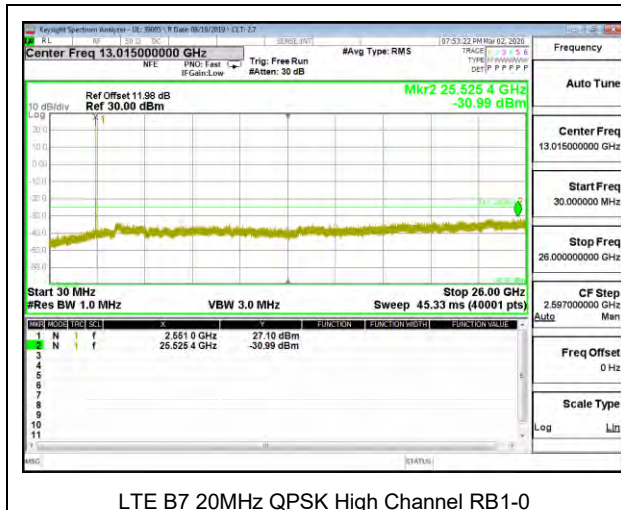
LTE B7 20MHz 16QAM Low Channel RB1-0



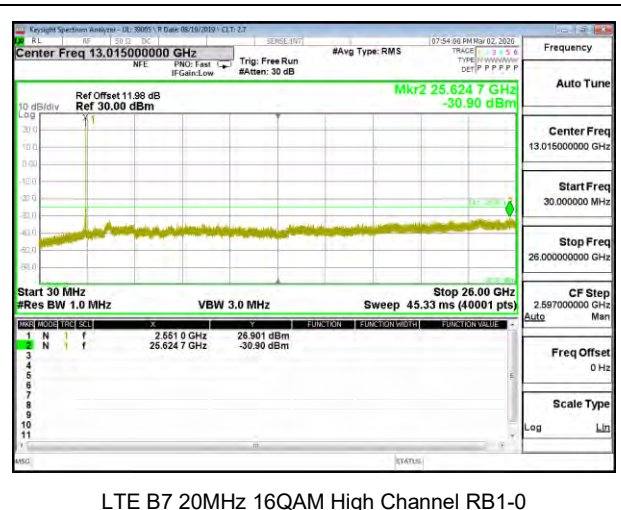
LTE B7 20MHz QPSK Middle Channel RB1-0



LTE B7 20MHz 16QAM Middle Channel RB1-0



LTE B7 20MHz QPSK High Channel RB1-0



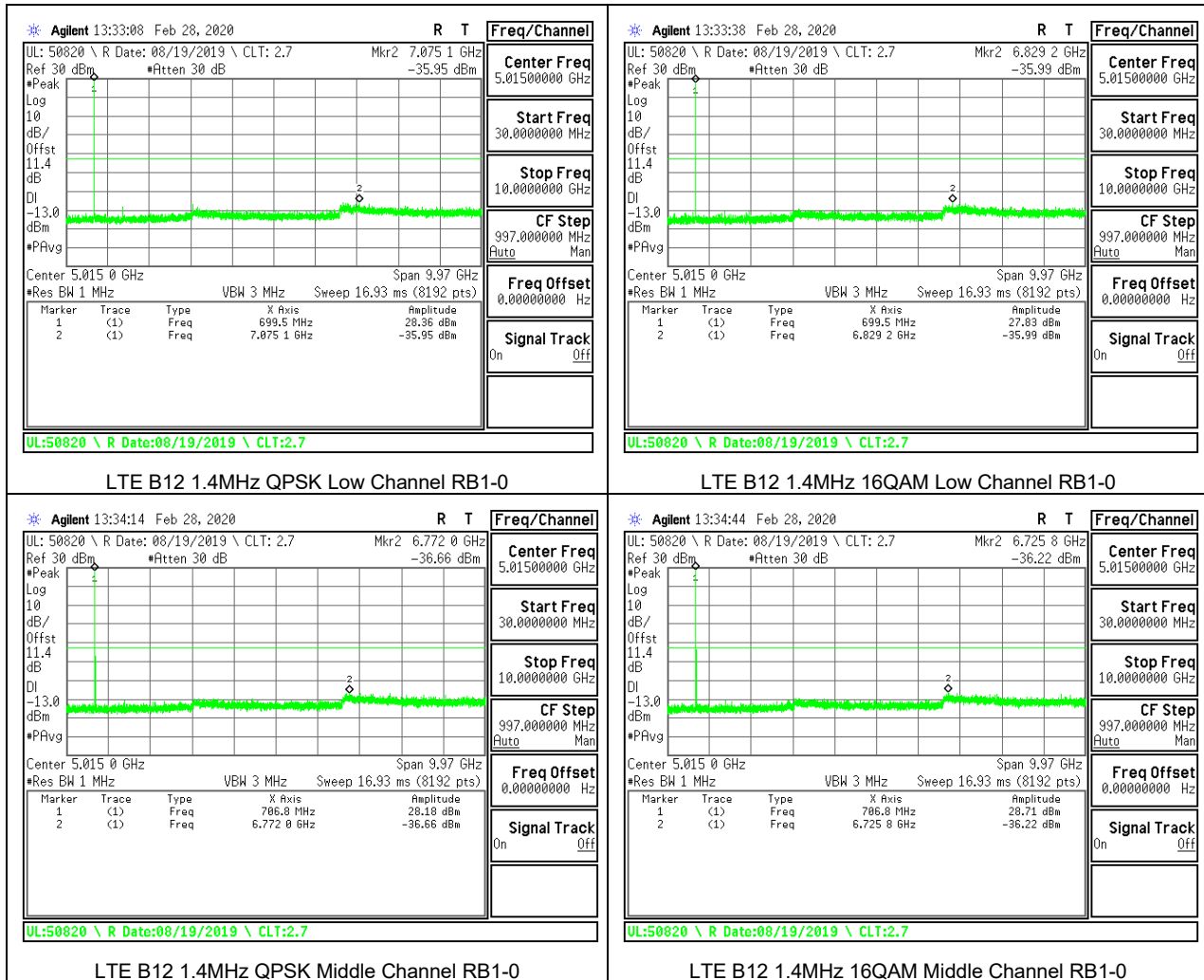
LTE B7 20MHz 16QAM High Channel RB1-0

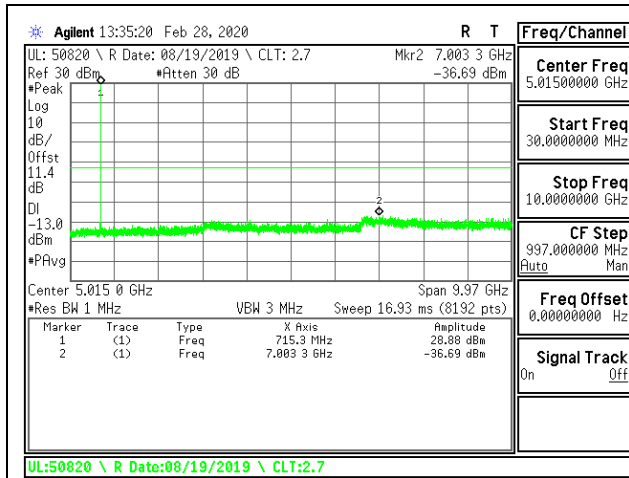
8.3.5. LTE BAND 12

LIMITS

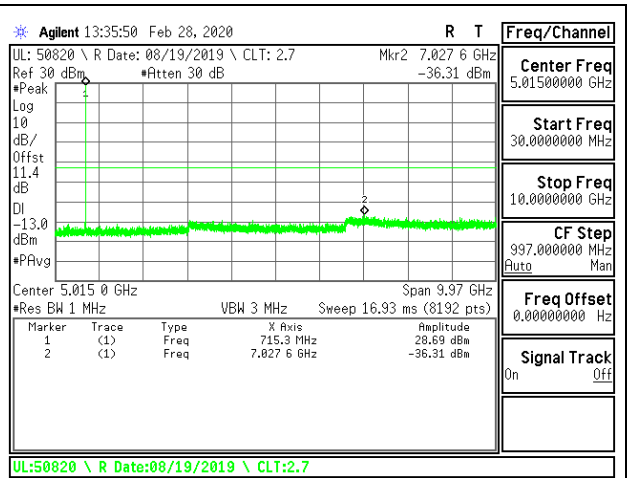
FCC: §27.53 (g)

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

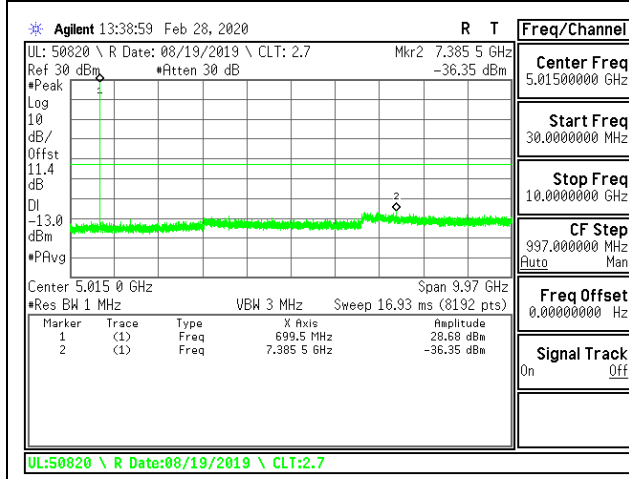




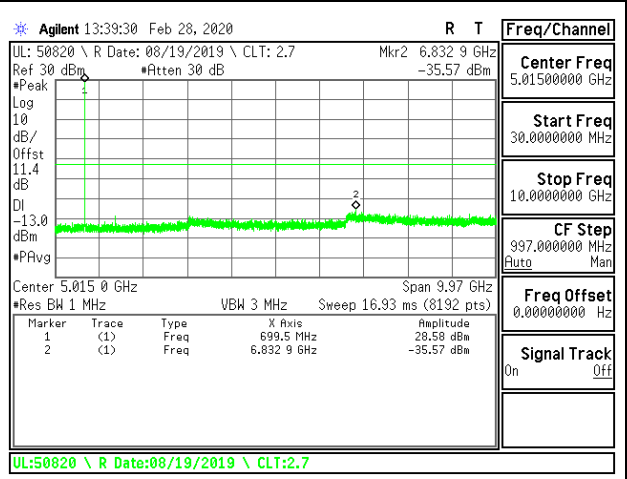
LTE B12 1.4MHz QPSK High Channel RB1-0



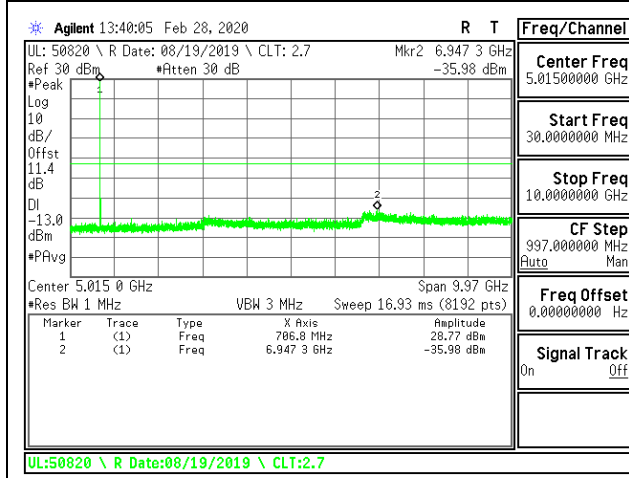
LTE B12 1.4MHz 16QAM High Channel RB1-0



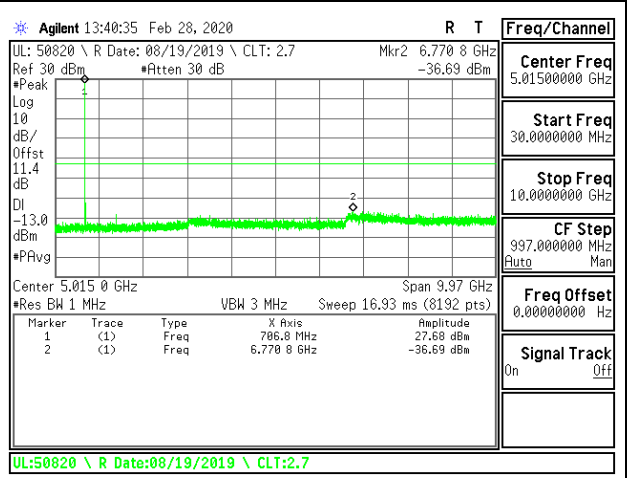
LTE B12 3MHz QPSK Low Channel RB1-0



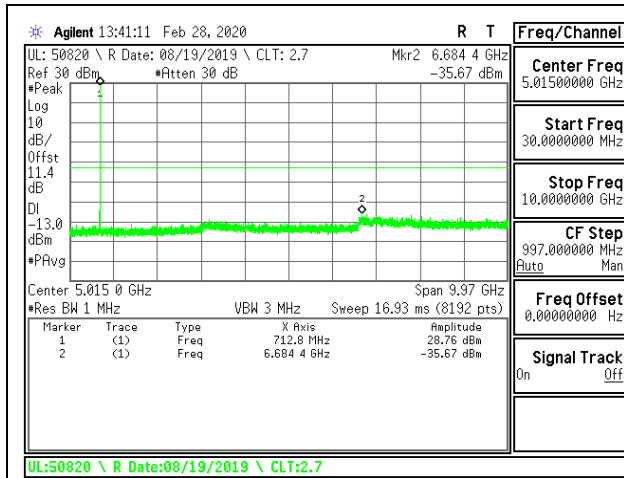
LTE B12 3MHz 16QAM Low Channel RB1-0



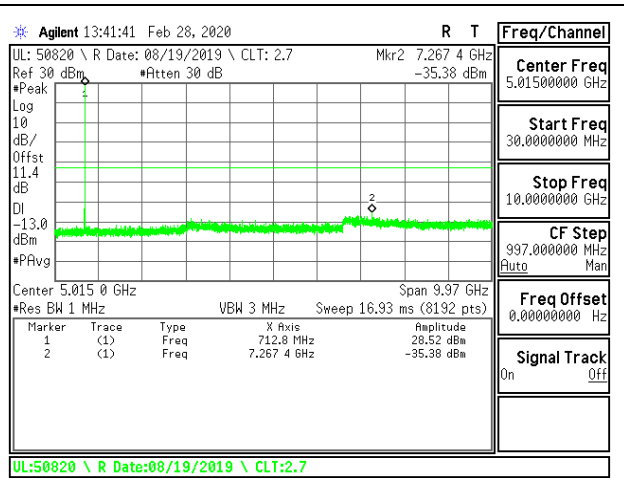
LTE B12 3MHz QPSK Middle Channel RB1-0



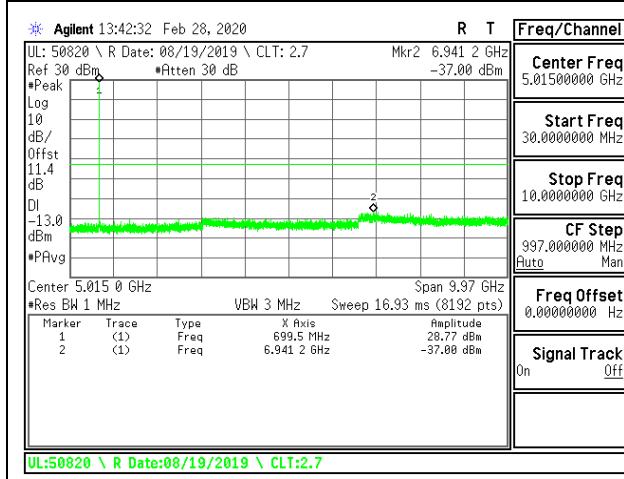
LTE B12 3MHz 16QAM Middle Channel RB1-0



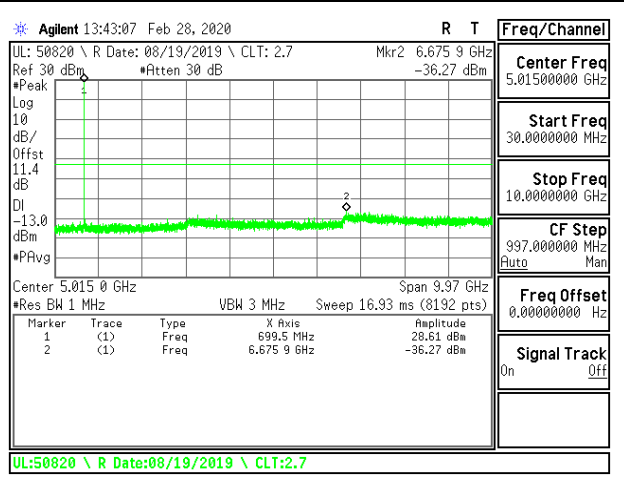
LTE B12 3MHz QPSK High Channel RB1-0



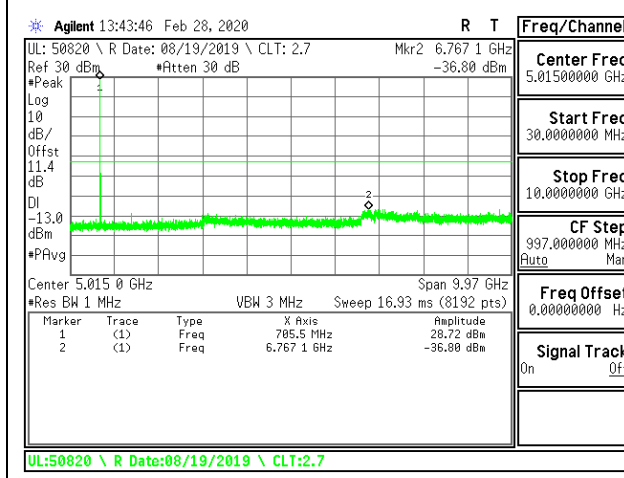
LTE B12 3MHz 16QAM High Channel RB1-0



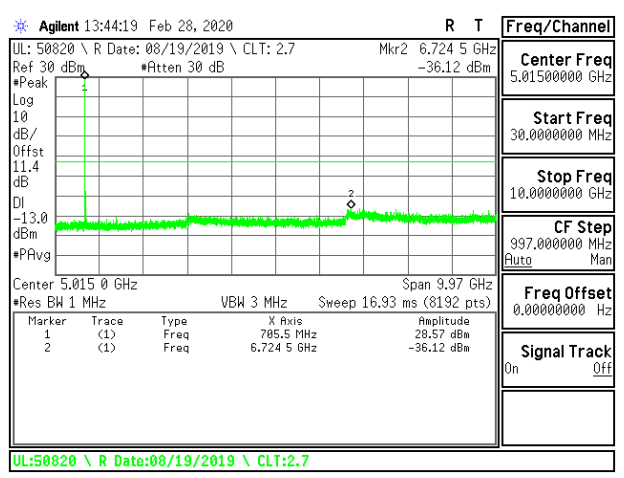
LTE B12 5MHz QPSK Low Channel RB1-0



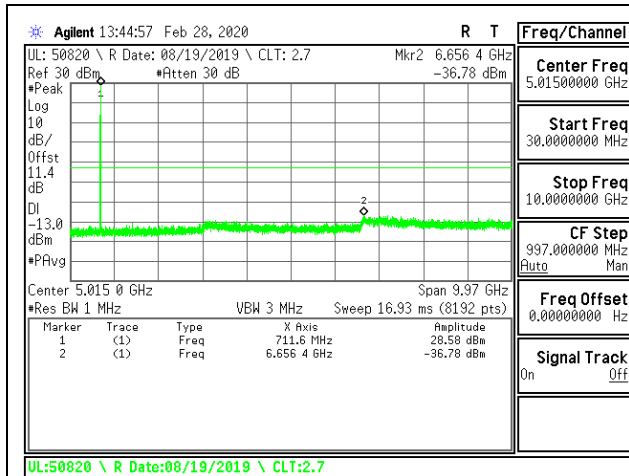
LTE B12 5MHz 16QAM Low Channel RB1-0



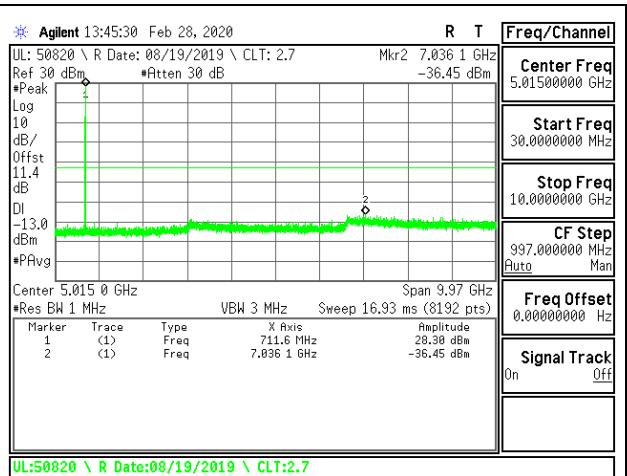
LTE B12 5MHz QPSK Middle Channel RB1-0



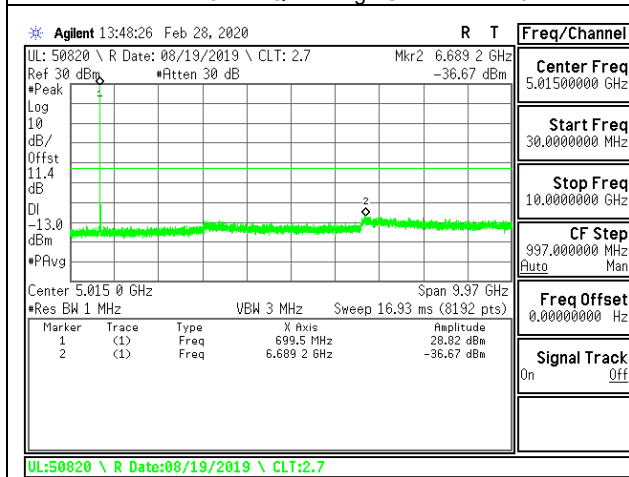
LTE B12 5MHz 16QAM Middle Channel RB1-0



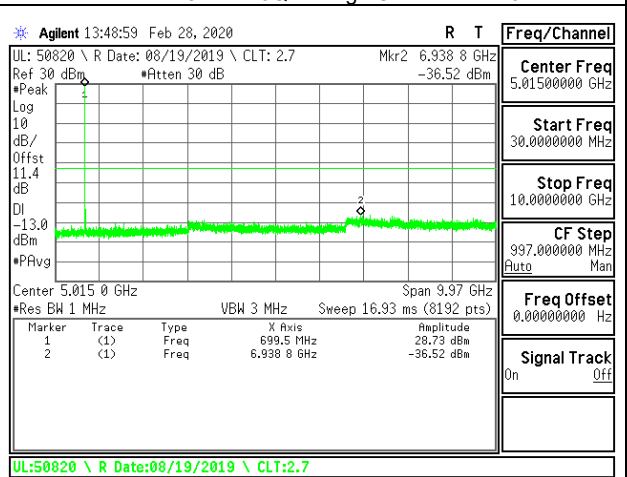
LTE B12 5MHz QPSK High Channel RB1-0



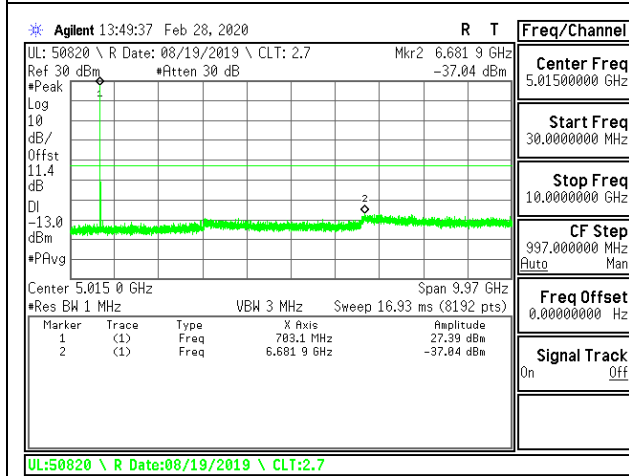
LTE B12 5MHz 16QAM High Channel RB1-0



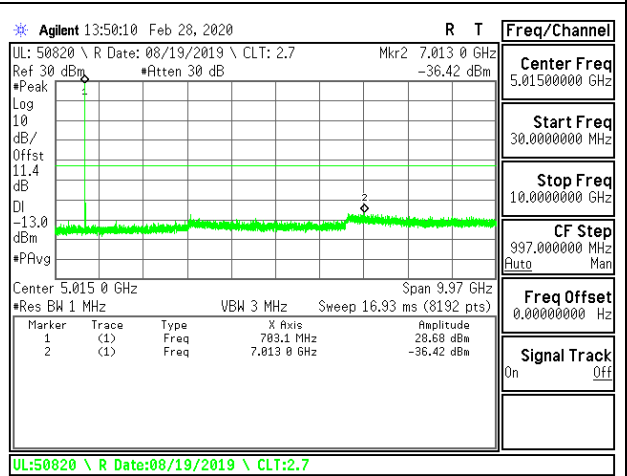
LTE B12 10MHz QPSK Low Channel RB1-0



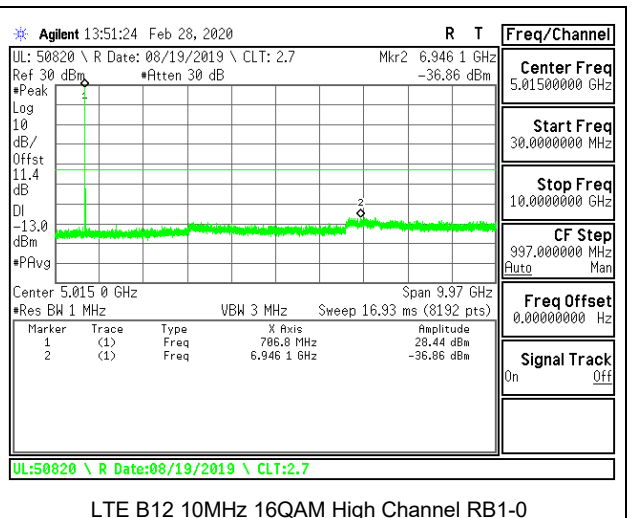
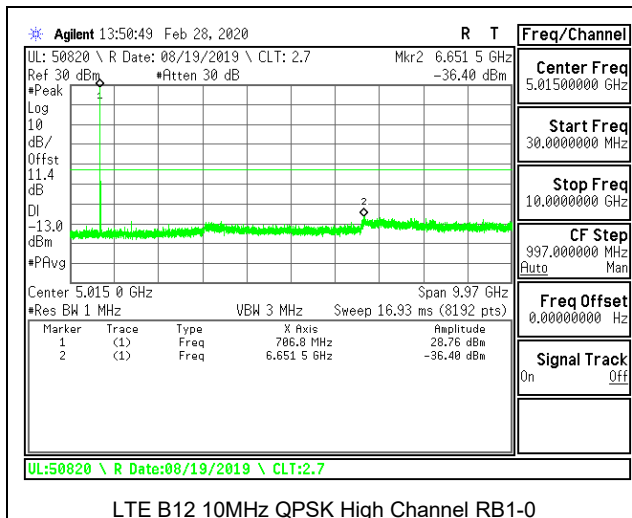
LTE B12 10MHz 16QAM Low Channel RB1-0



LTE B12 10MHz QPSK Middle Channel RB1-0



LTE B12 10MHz 16QAM Middle Channel RB1-0



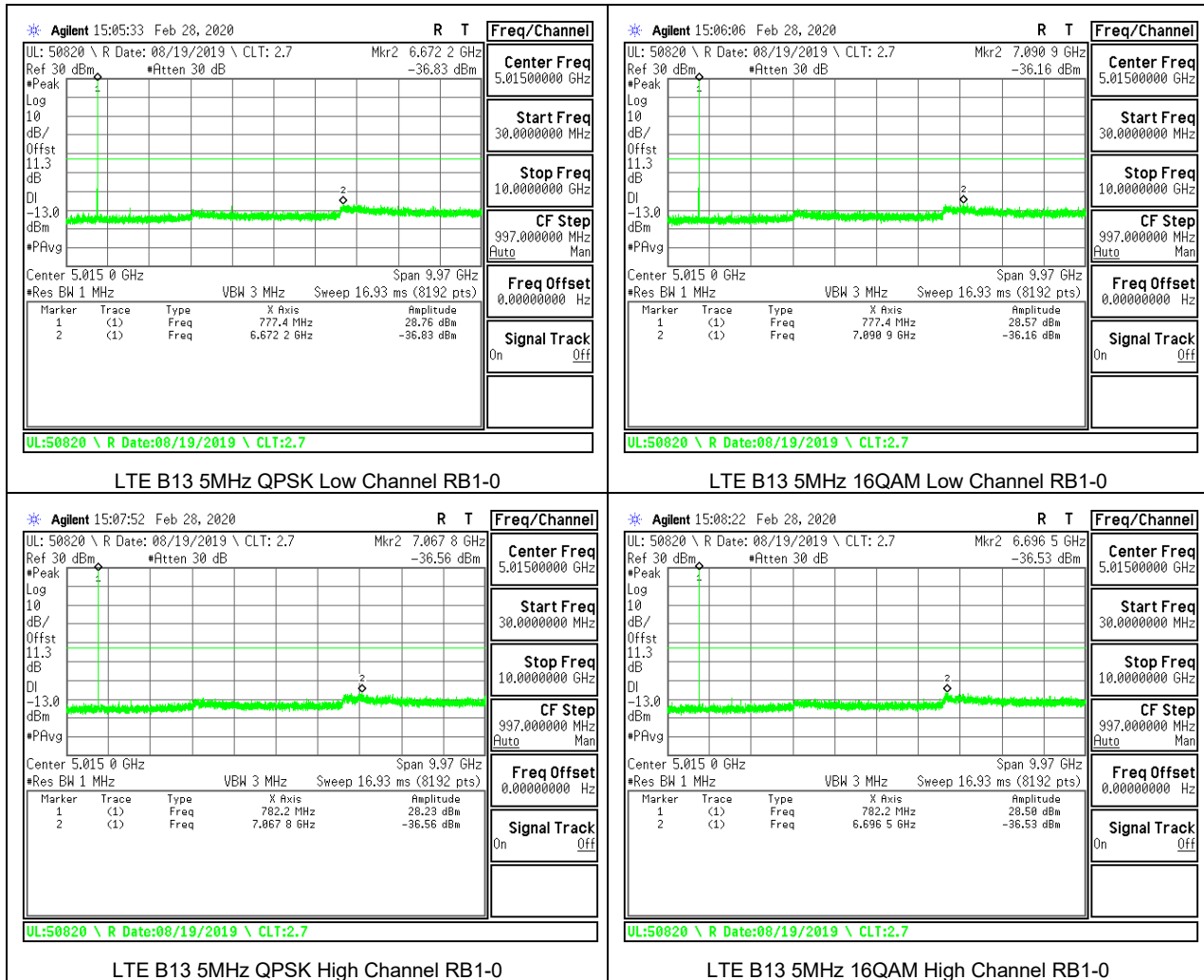
8.3.6. LTE BAND 13

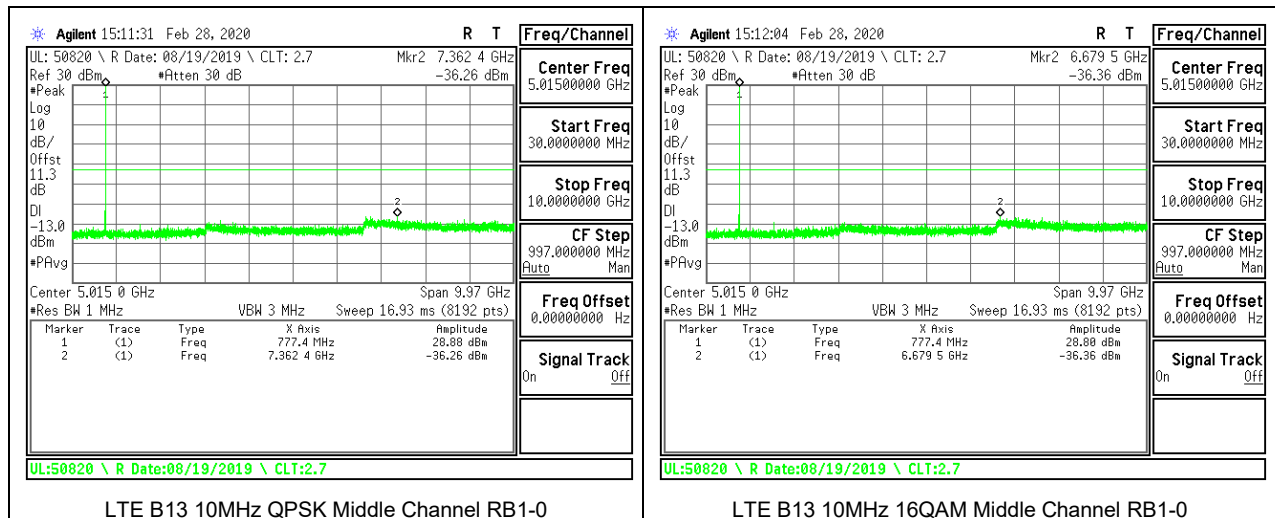
LIMITS

FCC: §27.53 (c), (f)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log(P)$ dB where transmitting power (P) in Watts. The band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

Note: Radiated data in section 9.1.6 confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40 dBm/MHz limit was used.





Note: Radiated data in section 9.1.6 confirms a compliance with narrowband limits for GPS1559-1610 MHz band.

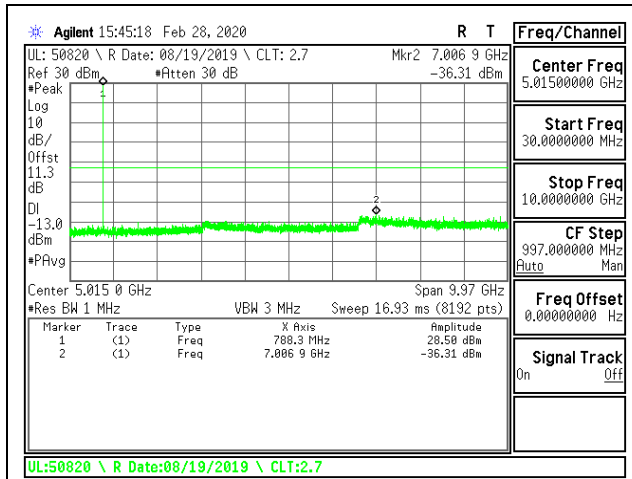
8.3.7. LTE BAND 14

LIMITS

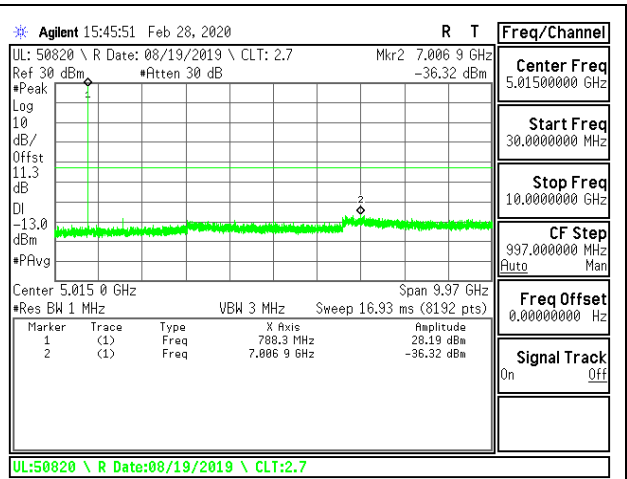
FCC: §90.543 (e), (f)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log(P)$ dB where transmitting power (P) in Watts. The band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

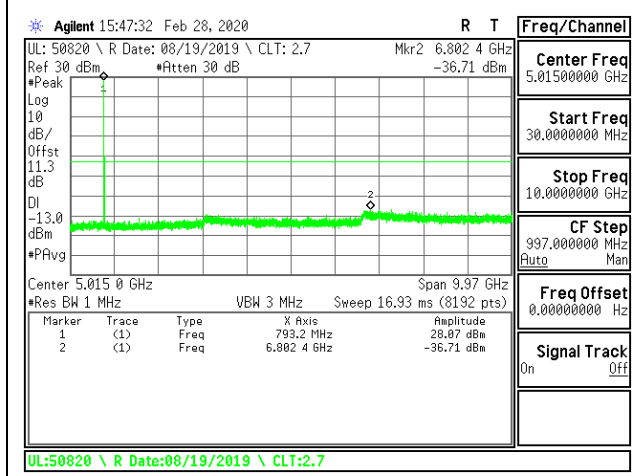
Note: Radiated data in section 9.1.7 confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40 dBm/MHz limit was used.



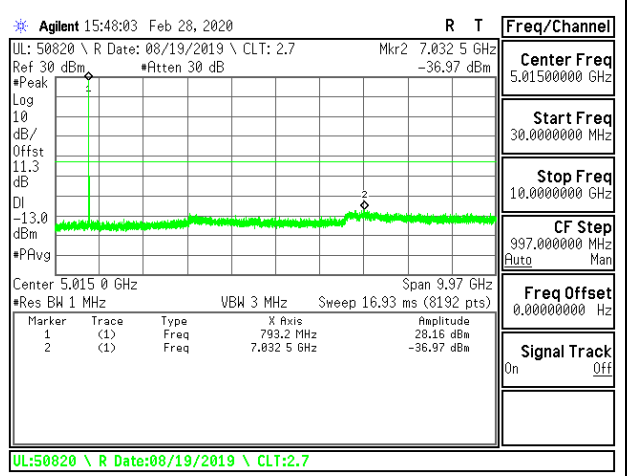
LTE B14 5MHz QPSK Low Channel RB1-0



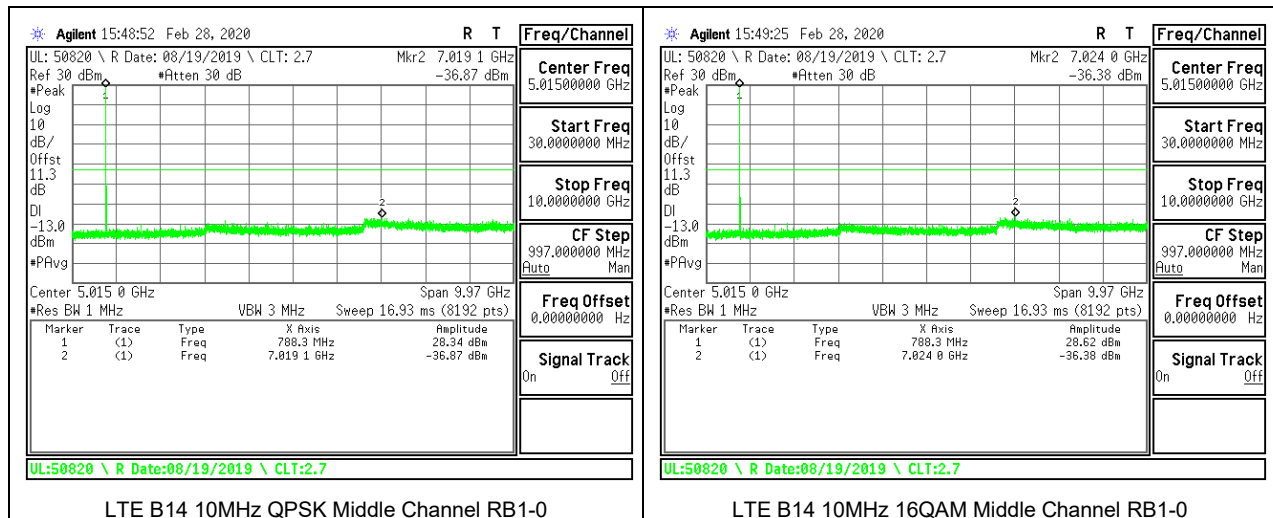
LTE B14 5MHz 16QAM Low Channel RB1-0



LTE B14 5MHz QPSK High Channel RB1-0



LTE B14 5MHz 16QAM High Channel RB1-0



LTE B14 10MHz QPSK Middle Channel RB1-0

LTE B14 10MHz 16QAM Middle Channel RB1-0

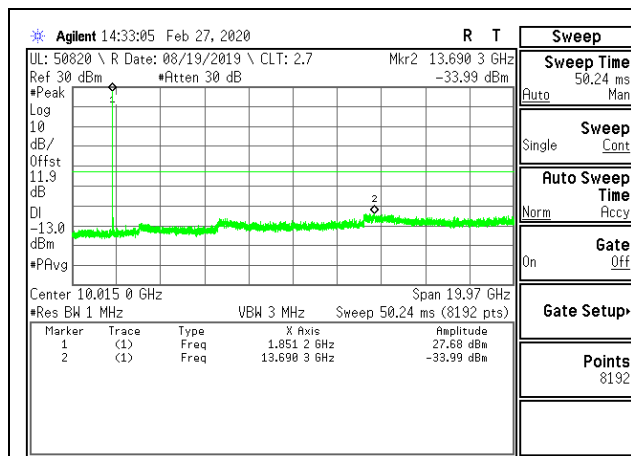
Note: Radiated data in section 9.1.7 confirms a compliance with narrowband limits for GPS1559-1610 MHz band.

8.3.8. LTE BAND 25

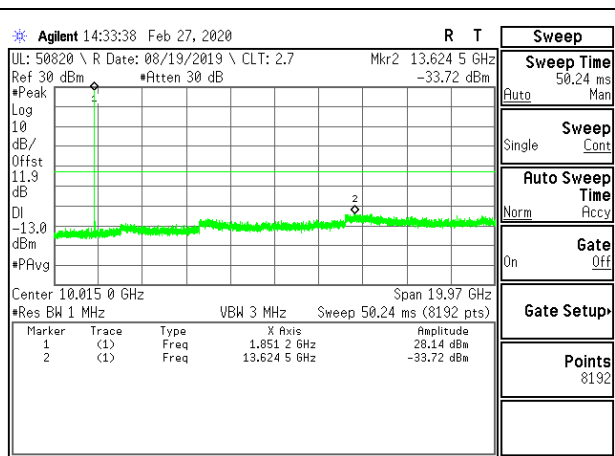
LIMITS

FCC: §24.238

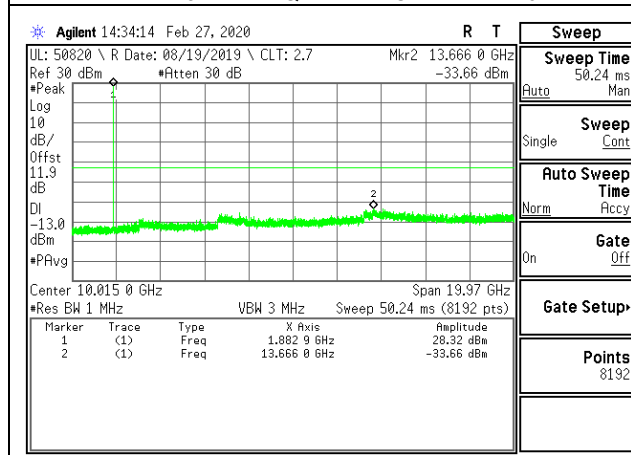
The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log(P)$ dB where transmitting power (P) in Watts.



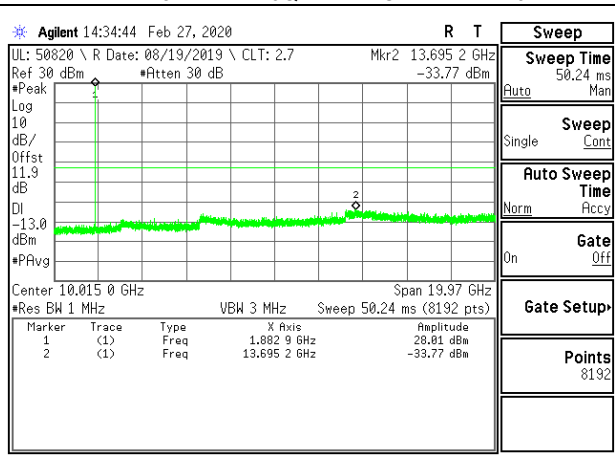
LTE B25 1.4MHz QPSK Low Channel RB1-0



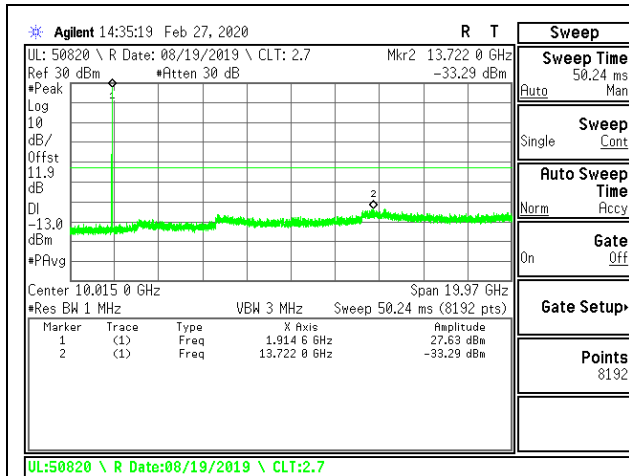
LTE B25 1.4MHz 16QAM Low Channel RB1-0



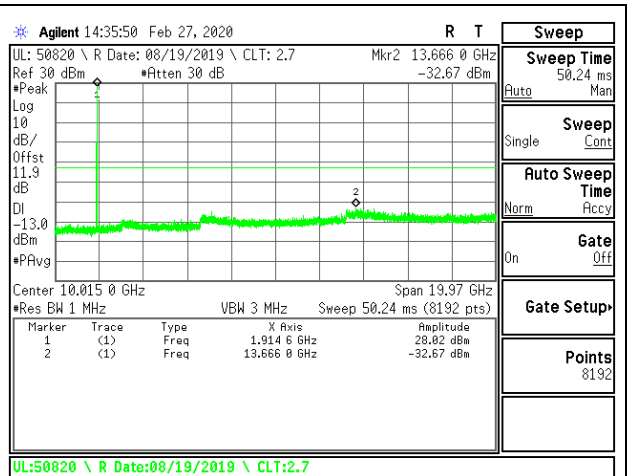
LTE B25 1.4MHz QPSK Middle Channel RB1-0



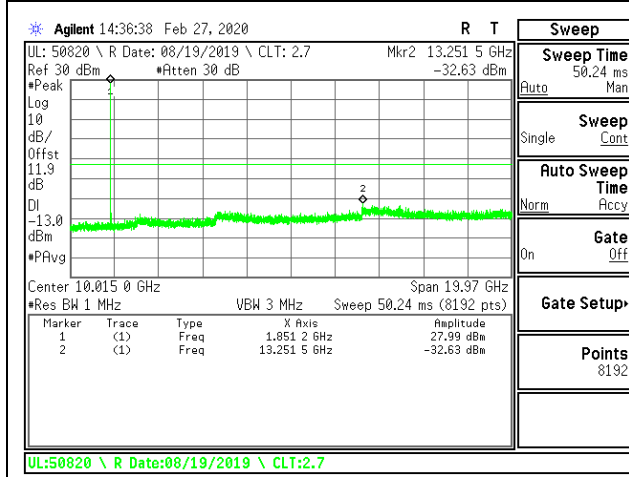
LTE B25 1.4MHz 16QAM Middle Channel RB1-0



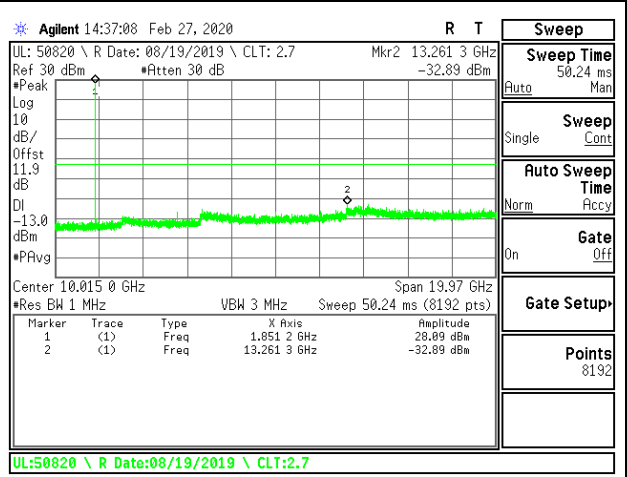
LTE B25 1.4MHz QPSK High Channel RB1-0



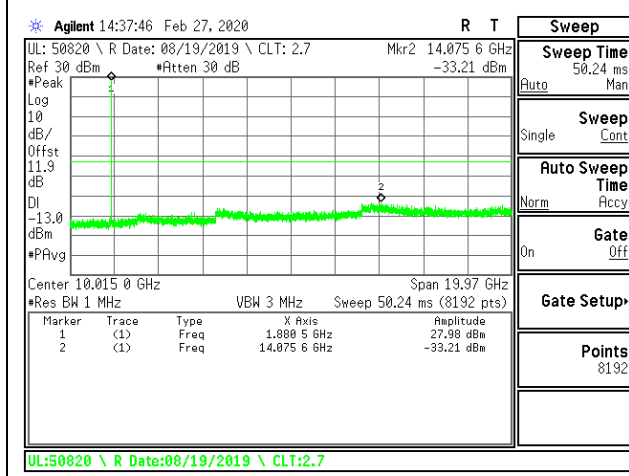
LTE B25 1.4MHz 16QAM High Channel RB1-0



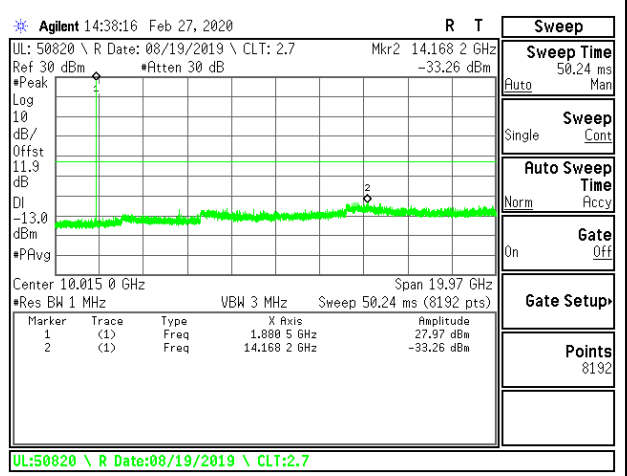
LTE B25 3MHz QPSK Low Channel RB1-0



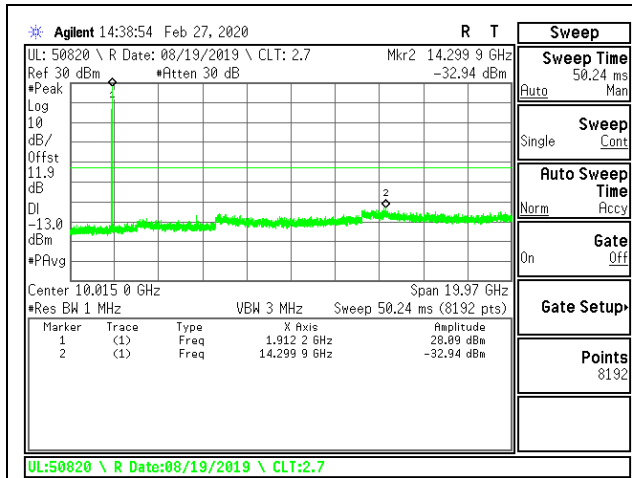
LTE B25 3MHz 16QAM Low Channel RB1-0



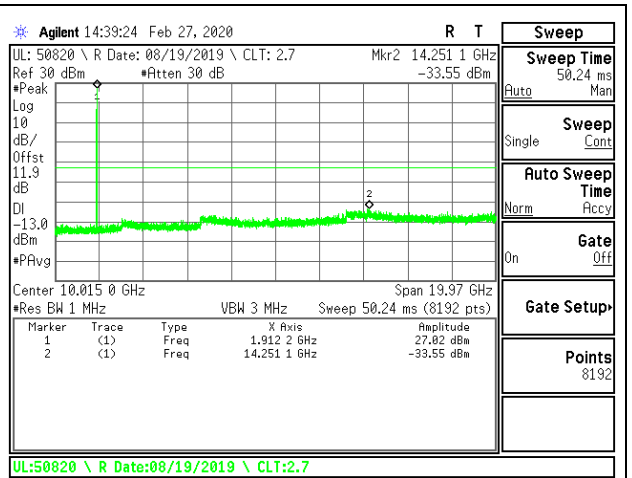
LTE B25 3MHz QPSK Middle Channel RB1-0



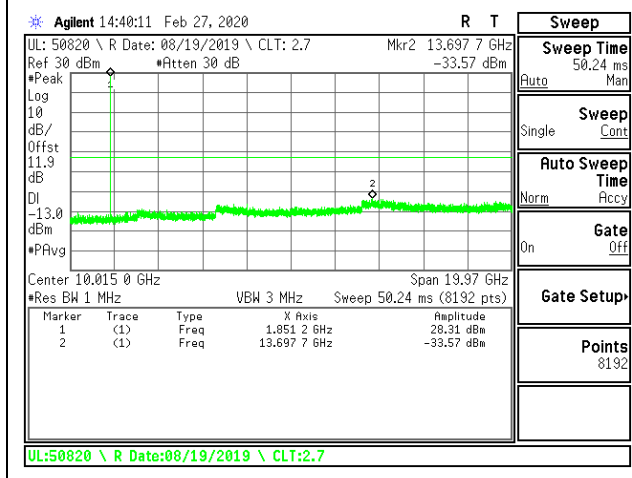
LTE B25 3MHz 16QAM Middle Channel RB1-0



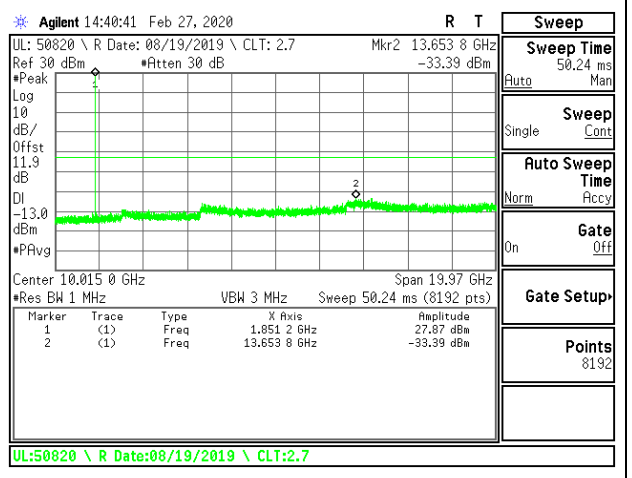
LTE B25 3MHz QPSK High Channel RB1-0



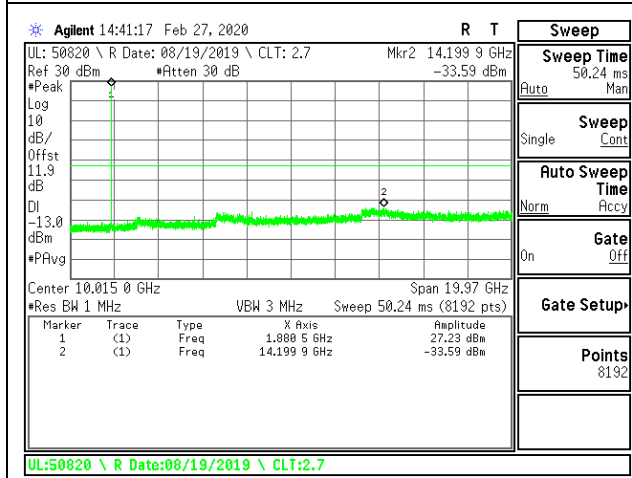
LTE B25 3MHz 16QAM High Channel RB1-0



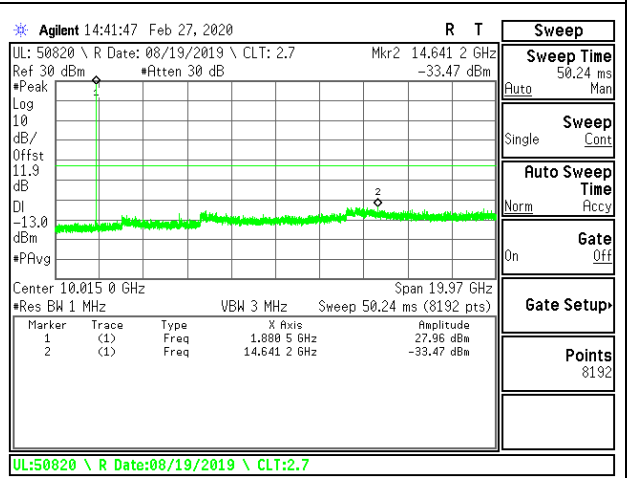
LTE B25 5MHz QPSK Low Channel RB1-0



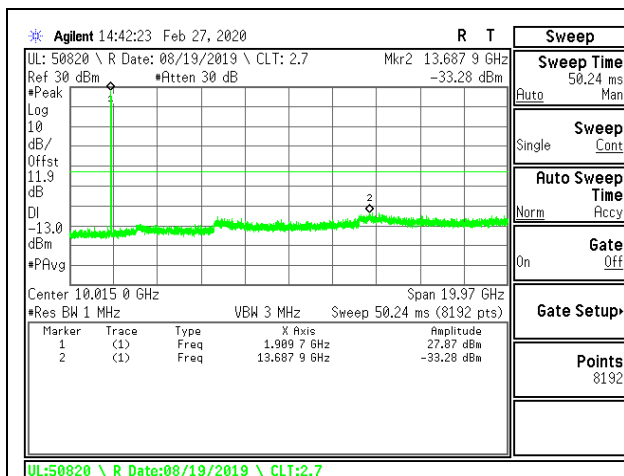
LTE B25 5MHz 16QAM Low Channel RB1-0



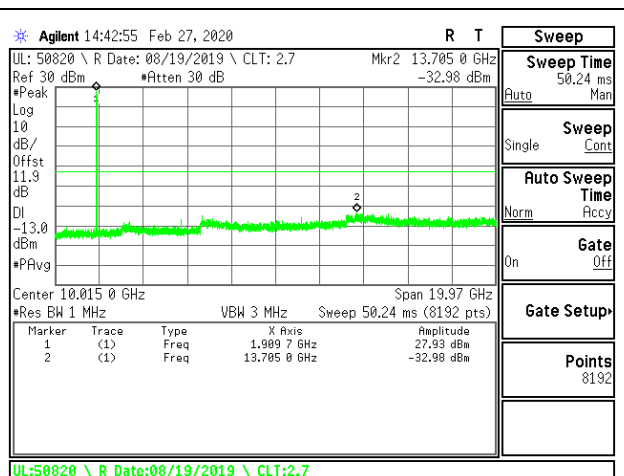
LTE B25 5MHz QPSK Middle Channel RB1-0



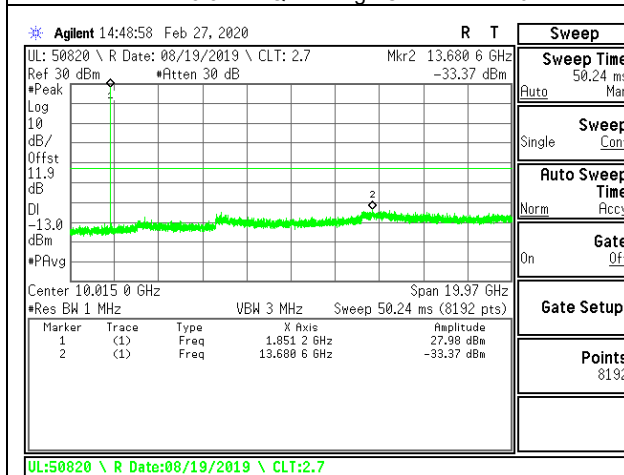
LTE B25 5MHz 16QAM Middle Channel RB1-0



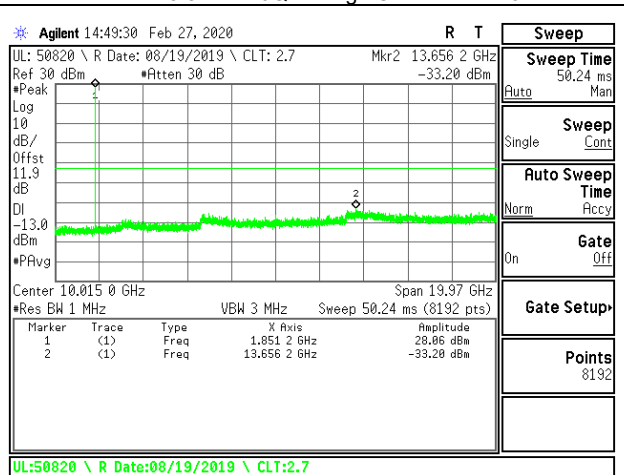
LTE B25 5MHz QPSK High Channel RB1-0



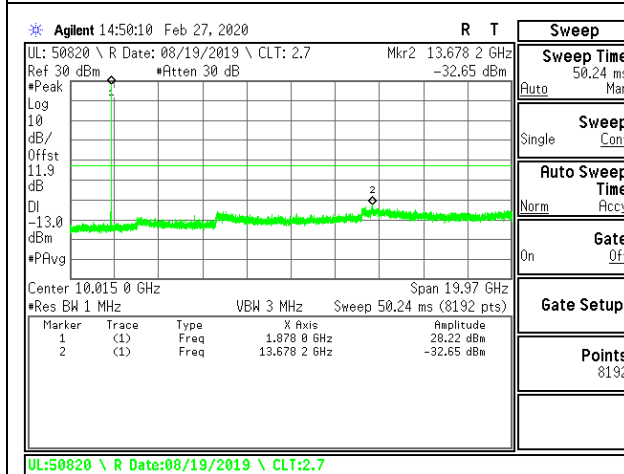
LTE B25 5MHz 16QAM High Channel RB1-0



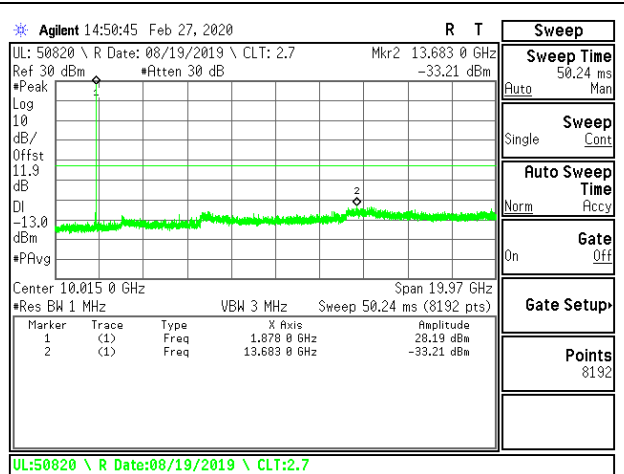
LTE B25 10MHz QPSK Low Channel RB1-0



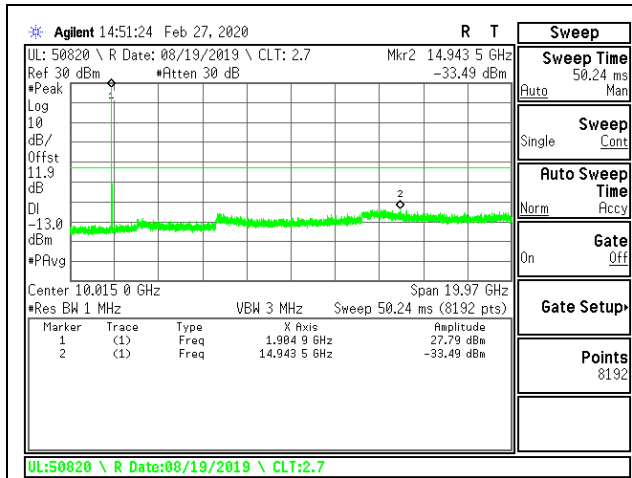
LTE B25 10MHz 16QAM Low Channel RB1-0



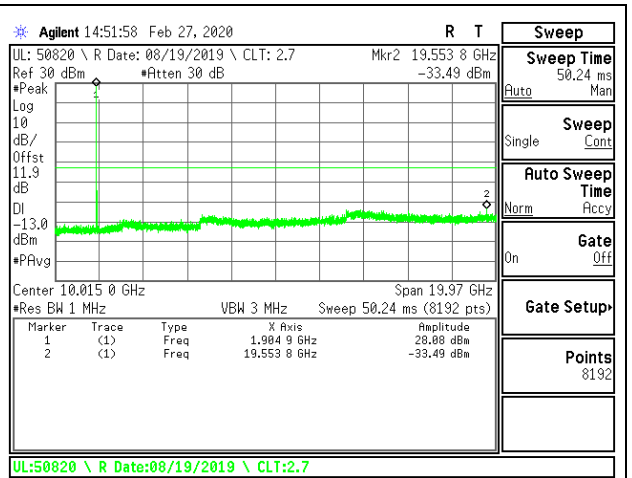
LTE B25 10MHz QPSK Middle Channel RB1-0



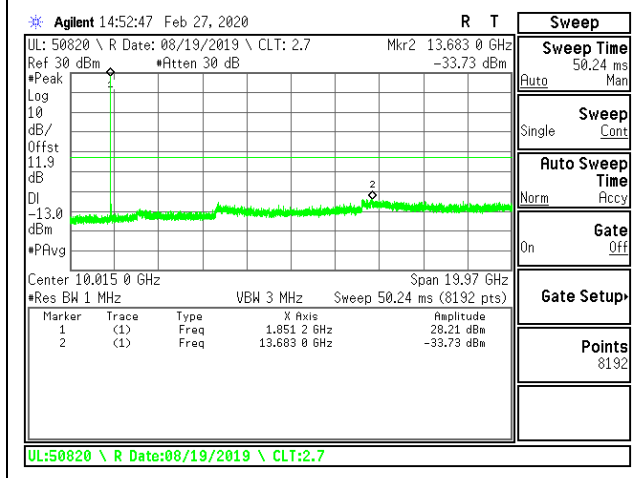
LTE B25 10MHz 16QAM Middle Channel RB1-0



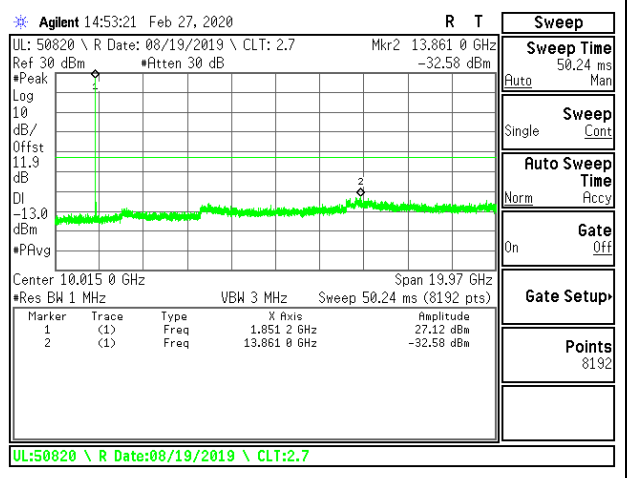
LTE B25 10MHz QPSK High Channel RB1-0



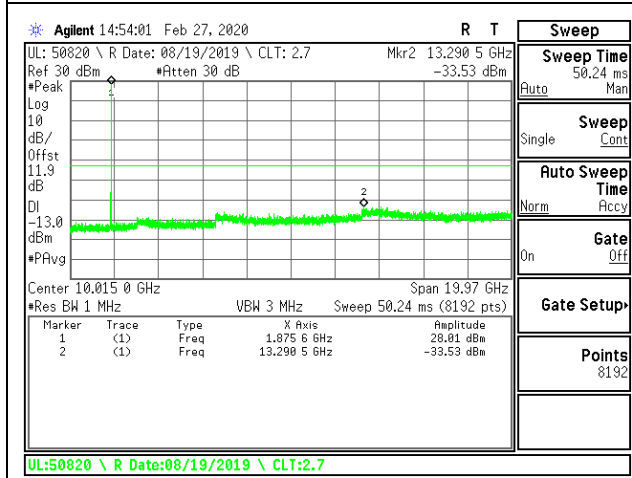
LTE B25 10MHz 16QAM High Channel RB1-0



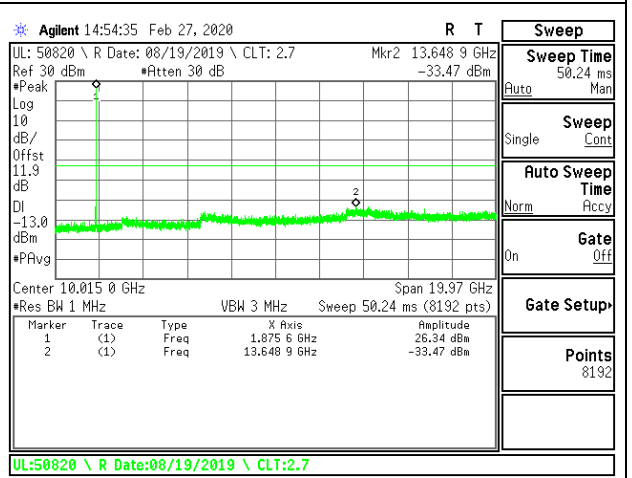
LTE B25 15MHz QPSK Low Channel RB1-0



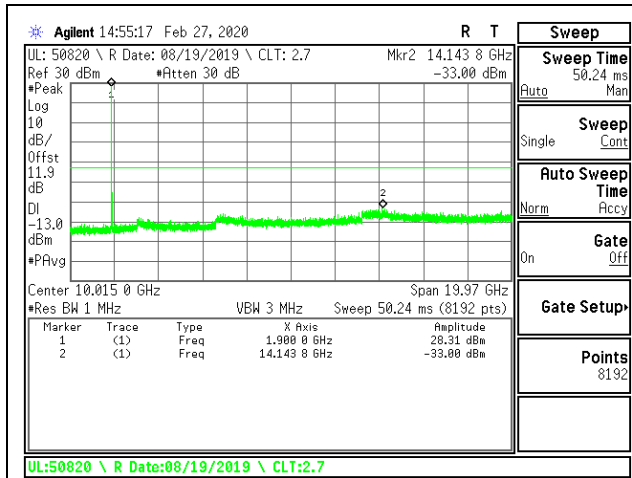
LTE B25 15MHz 16QAM Low Channel RB1-0



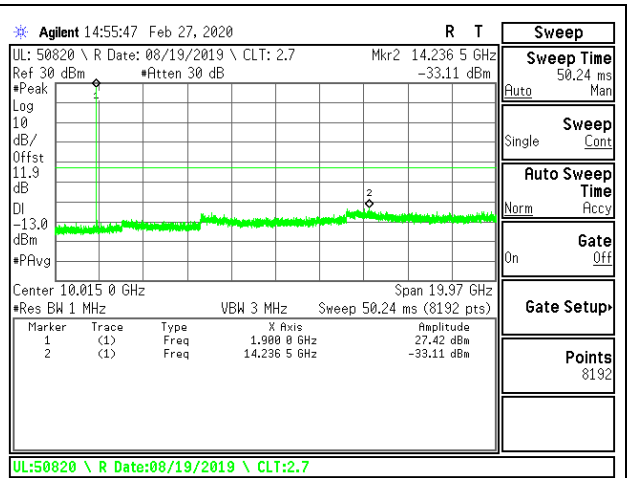
LTE B25 15MHz QPSK Middle Channel RB1-0



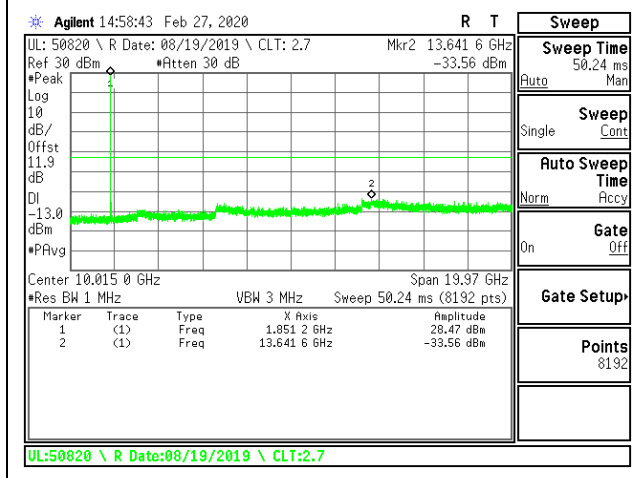
LTE B25 15MHz 16QAM Middle Channel RB1-0



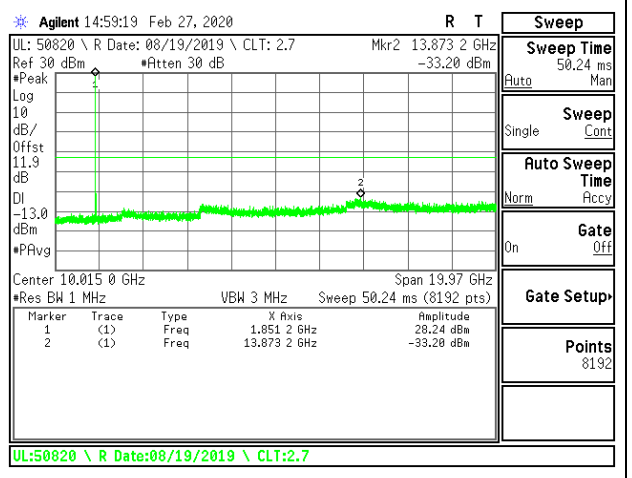
LTE B25 15MHz QPSK High Channel RB1-0



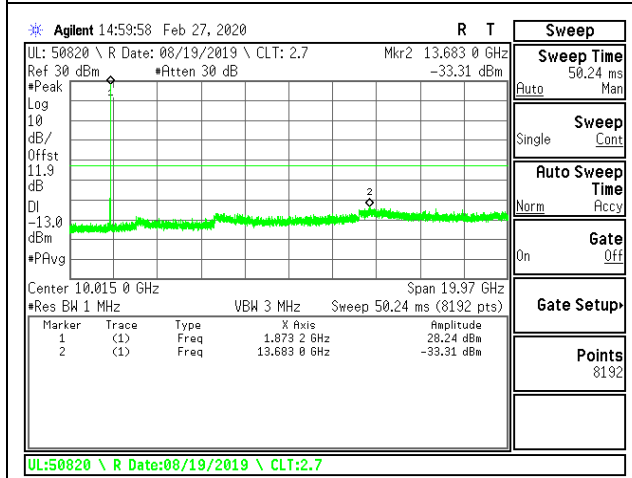
LTE B25 15MHz 16QAM High Channel RB1-0



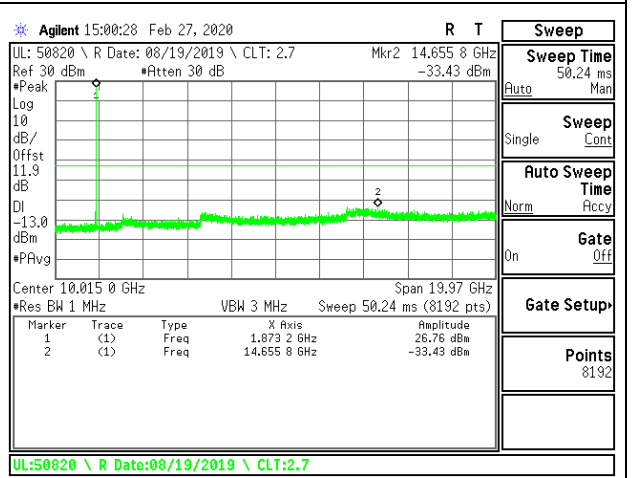
LTE B25 20MHz QPSK Low Channel RB1-0



LTE B25 20MHz 16QAM Low Channel RB1-0



LTE B25 20MHz QPSK Middle Channel RB1-0



LTE B25 20MHz 16QAM Middle Channel RB1-0