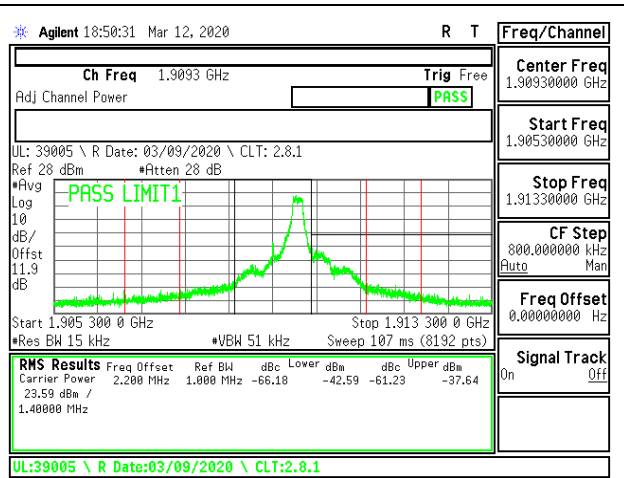
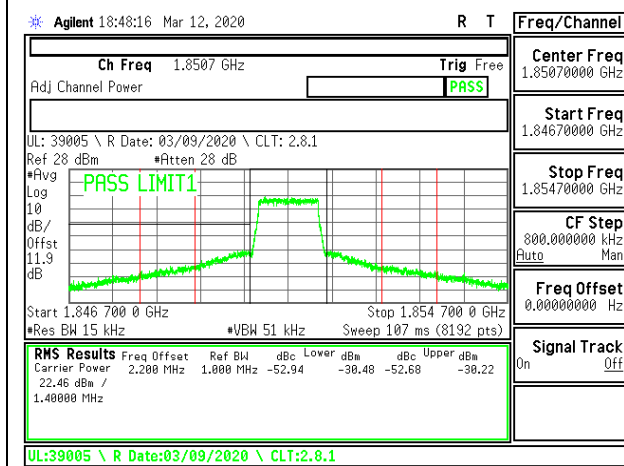


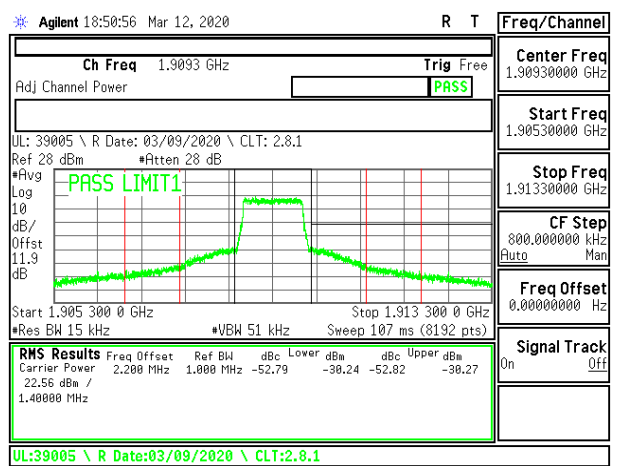
LTE B2 1.4MHz 16QAM Low Channel RB1-0



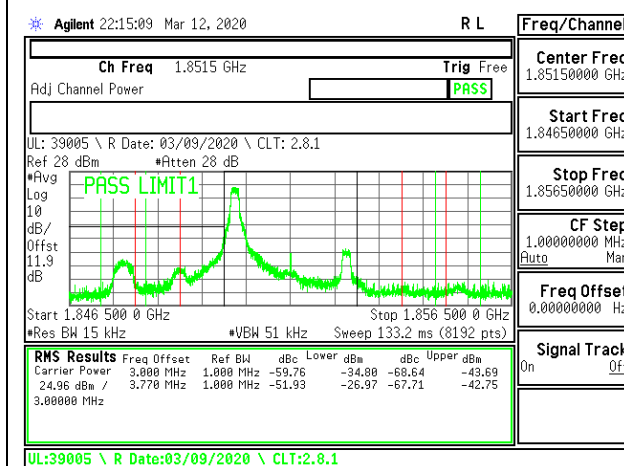
LTE B2 1.4MHz 16QAM High Channel RB1-5



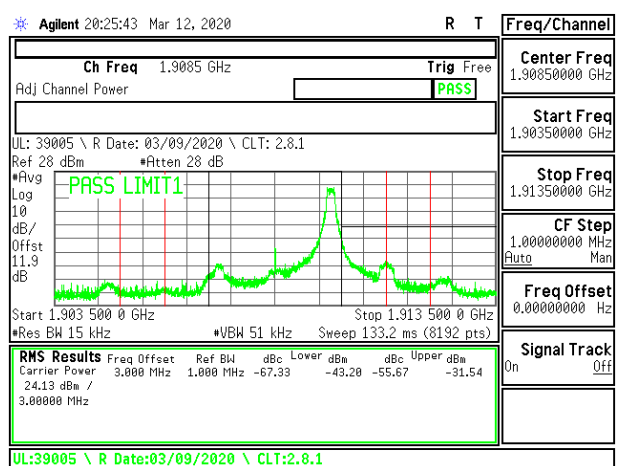
LTE B2 1.4MHz 16QAM Low Channel RB6-0



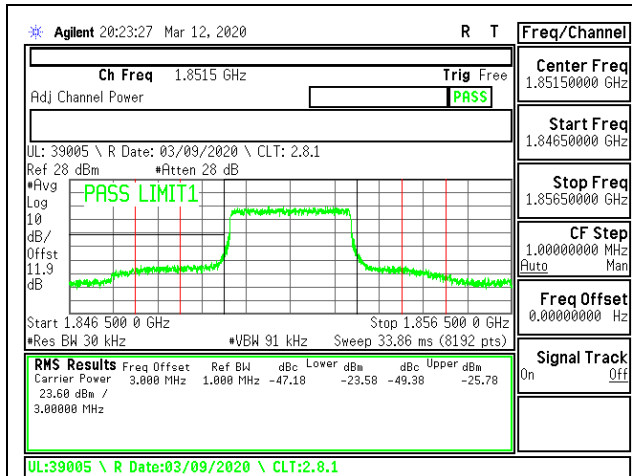
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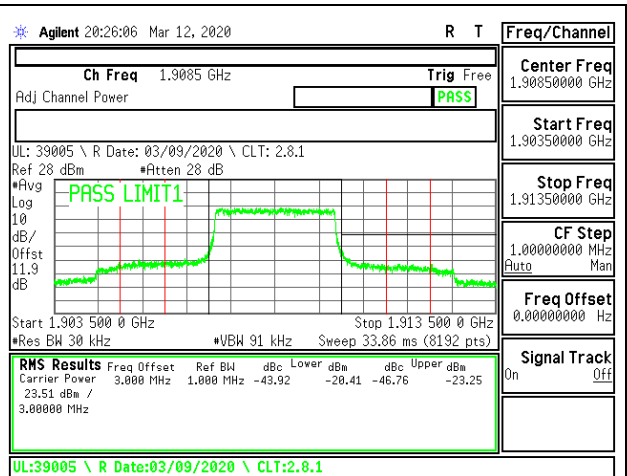
LTE B2 3MHz QPSK Low Channel RB1-0



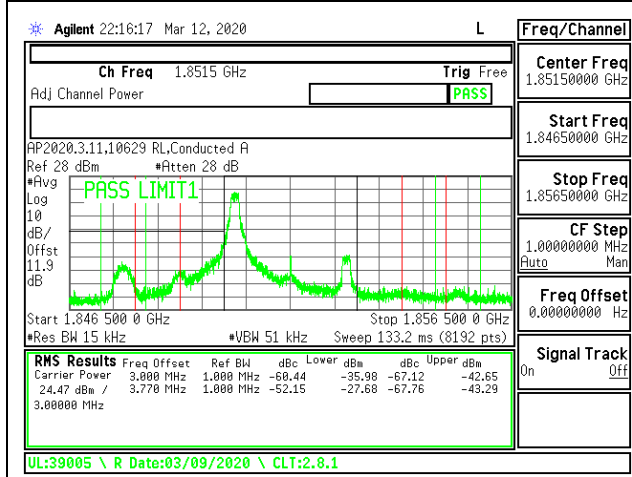
LTE B2 3MHz QPSK High Channel RB1-14



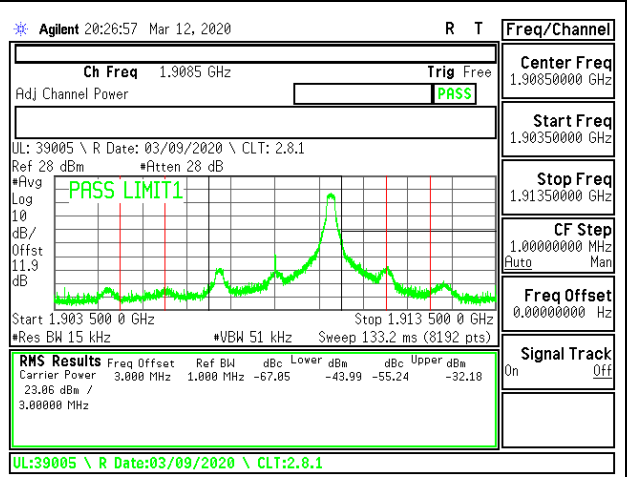
LTE B2 3MHz QPSK Low Channel RB15-0



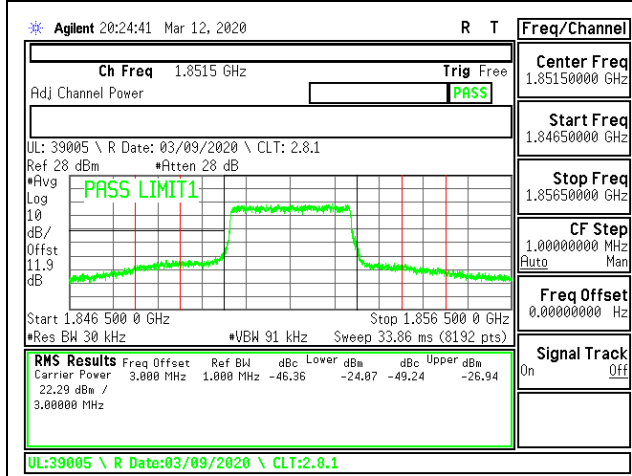
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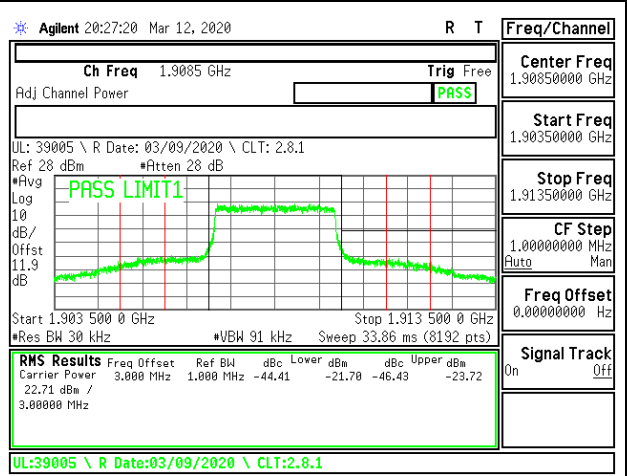
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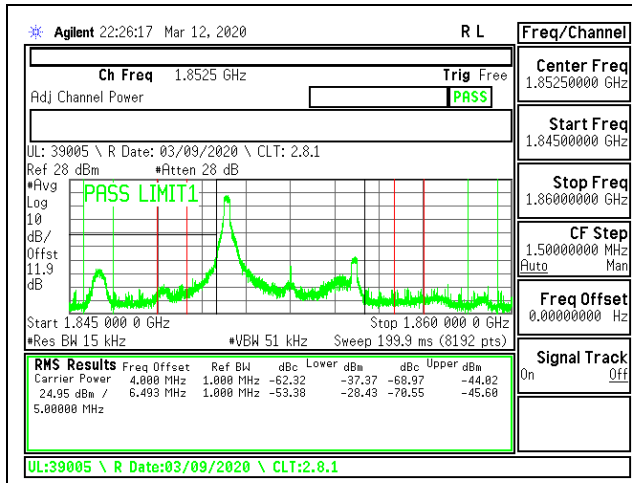
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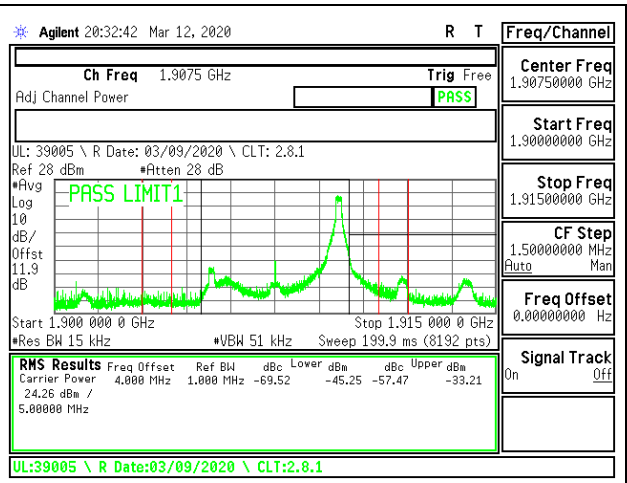
LTE B2 3MHz 16QAM Low Channel RB15-0



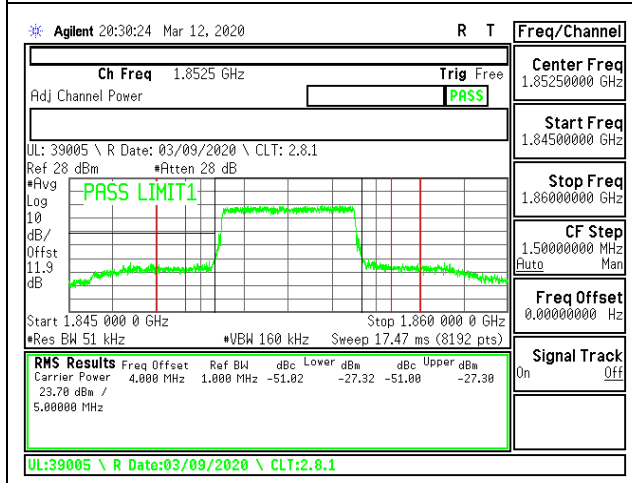
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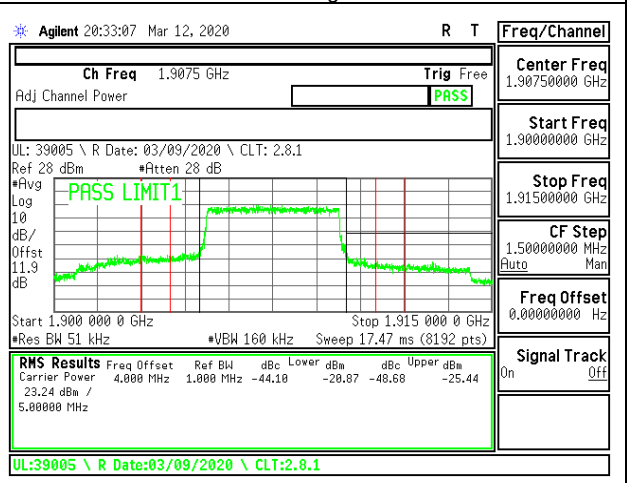
LTE B2 5MHz QPSK Low Channel RB1-0



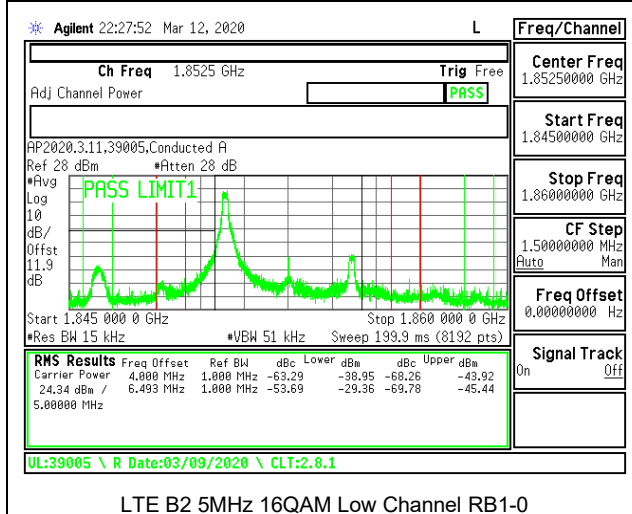
LTE B2 5MHz QPSK High Channel RB1-24



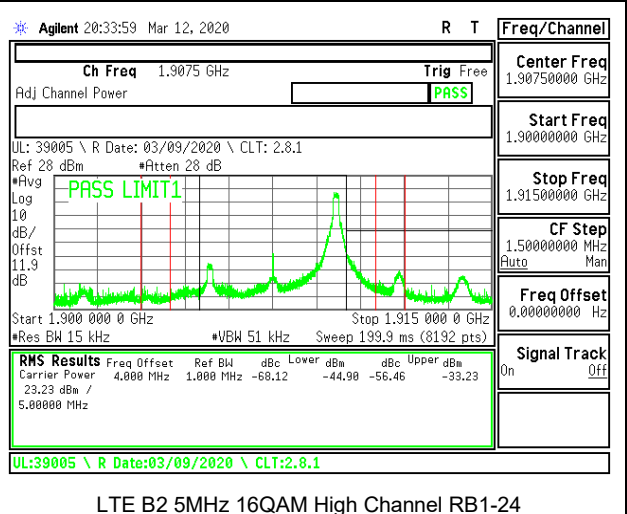
LTE B2 5MHz QPSK Low Channel RB25-0



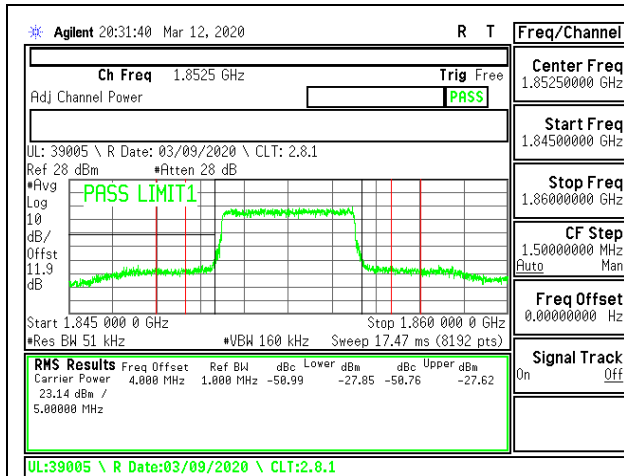
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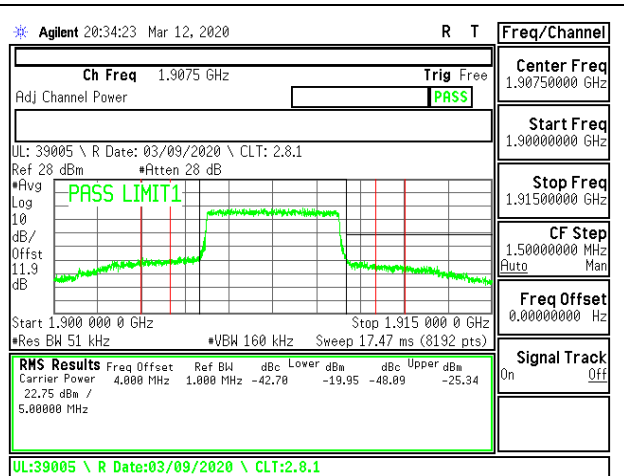
LTE B2 5MHz 16QAM Low Channel RB1-0



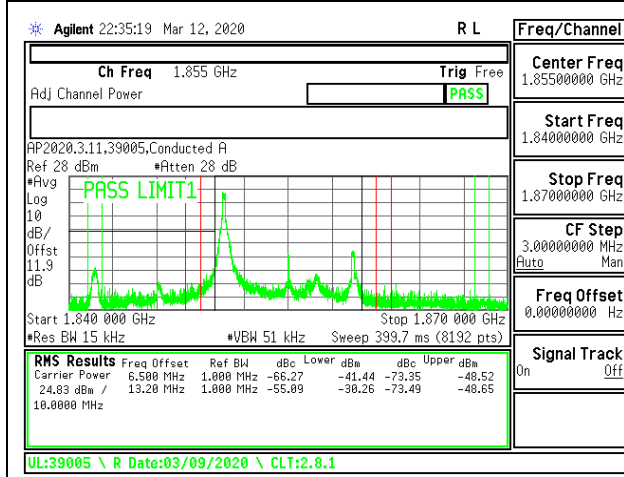
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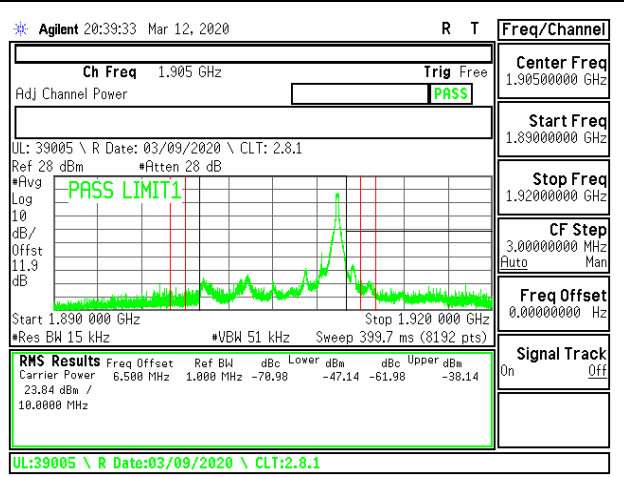
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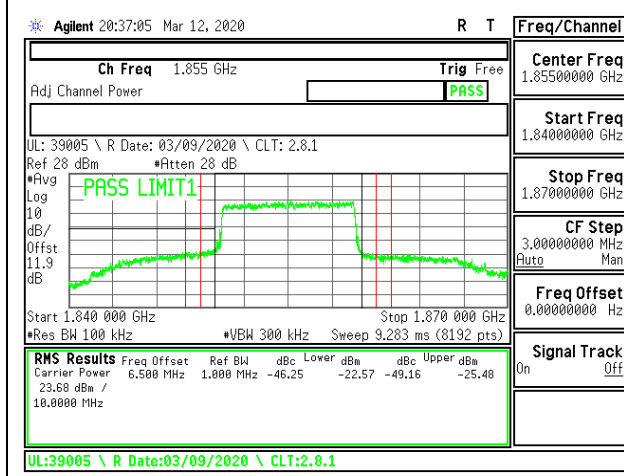
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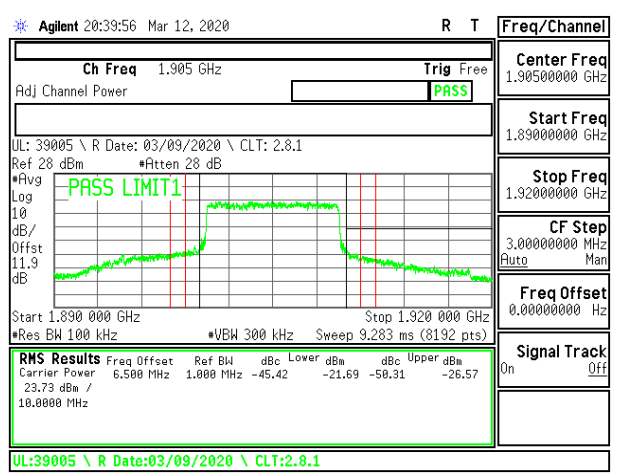
LTE B2 10MHz QPSK Low Channel RB1-0



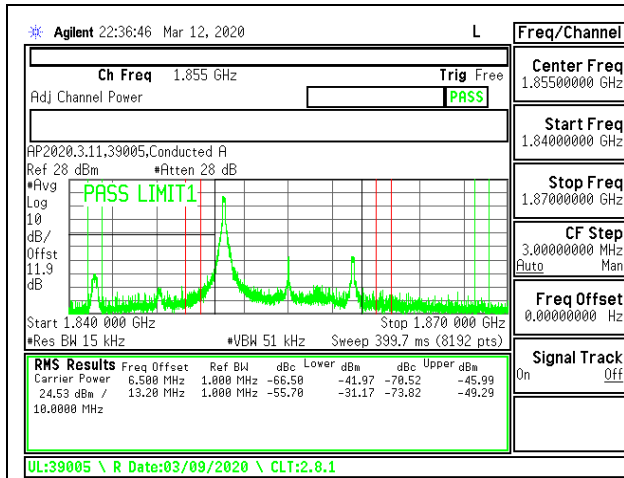
LTE B2 10MHz QPSK High Channel RB1-49



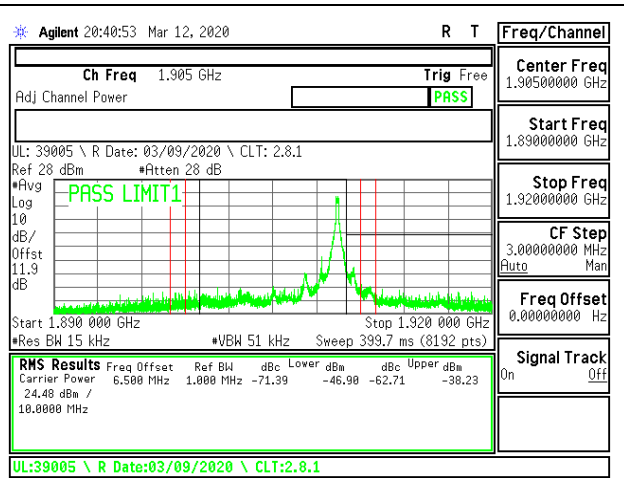
LTE B2 10MHz QPSK Low Channel RB50-0



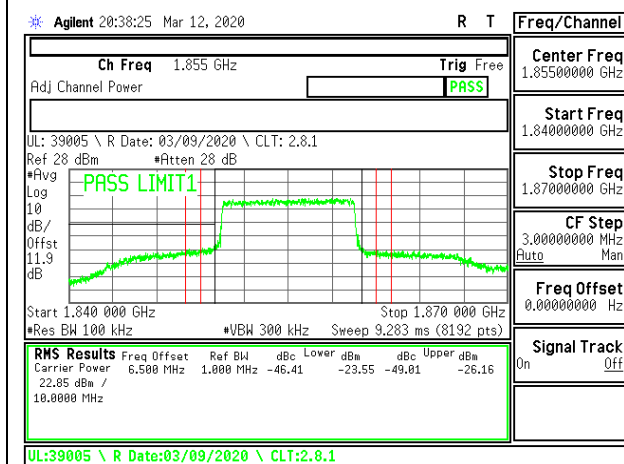
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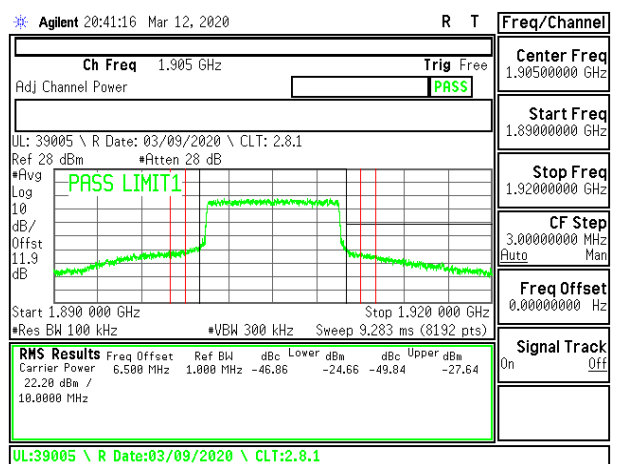
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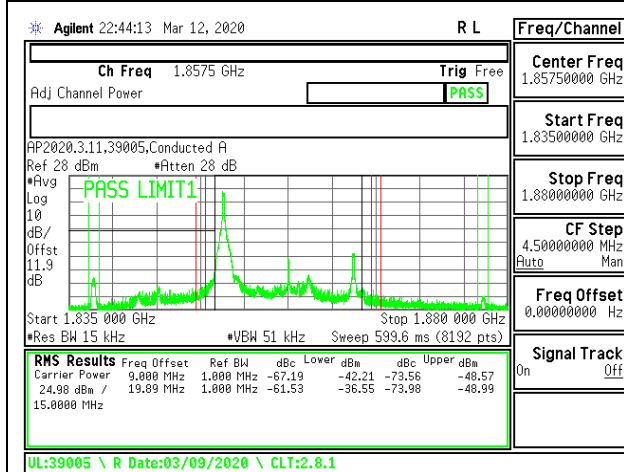
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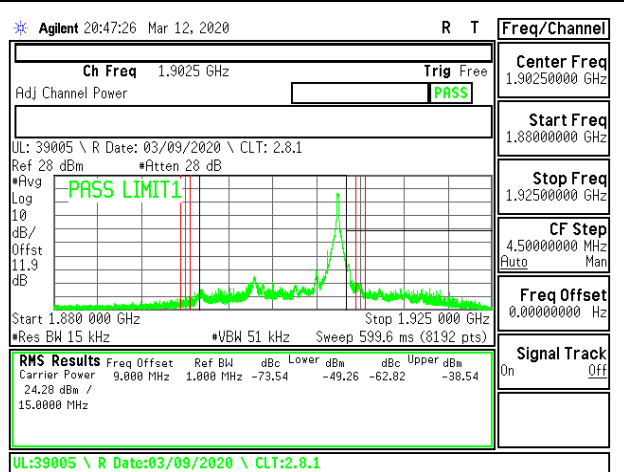
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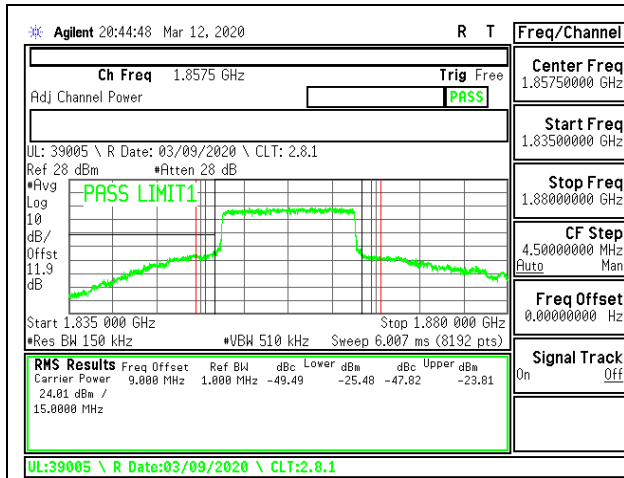
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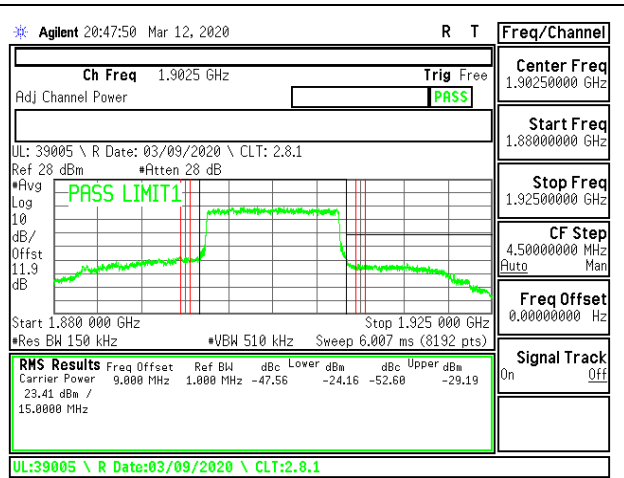
LTE B2 15MHz QPSK Low Channel RB1-0



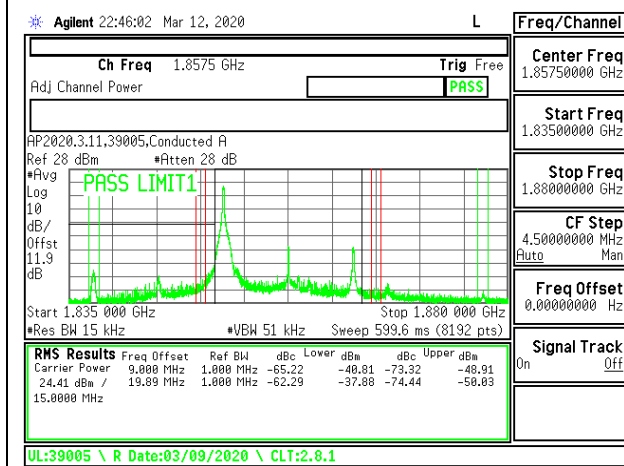
LTE B2 15MHz QPSK High Channel RB1-74



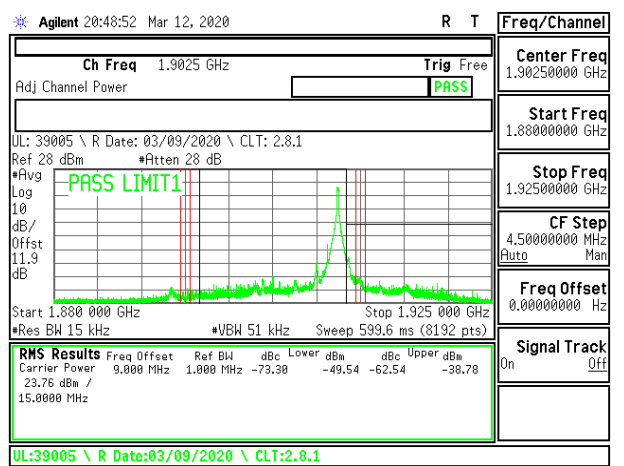
LTE B2 15MHz QPSK Low Channel RB75-0



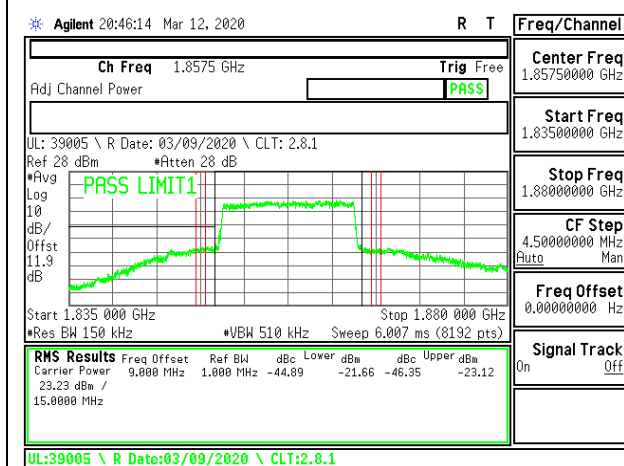
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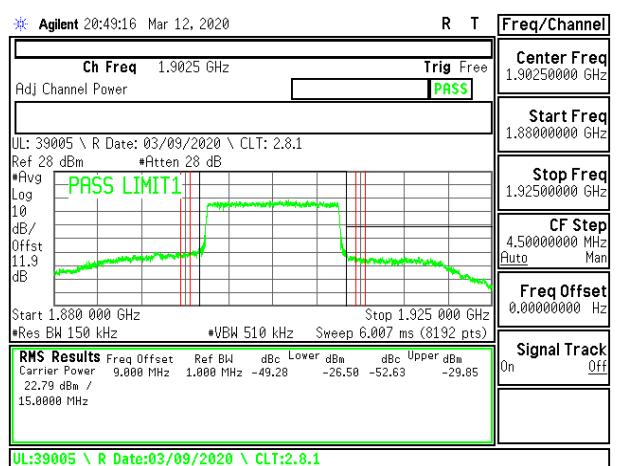
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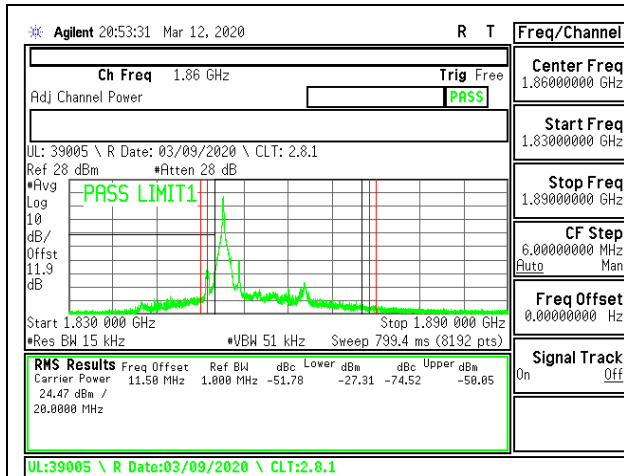
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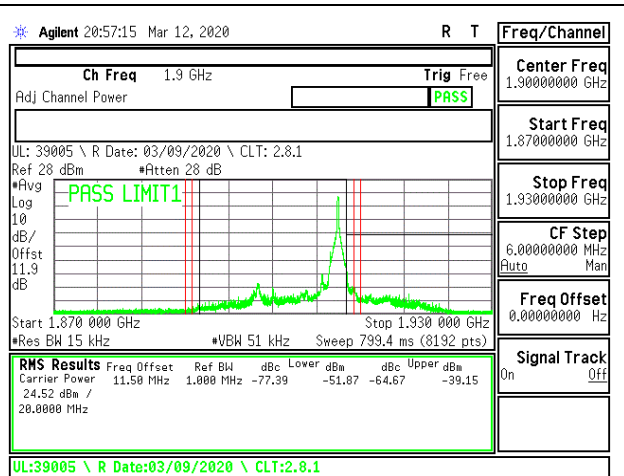
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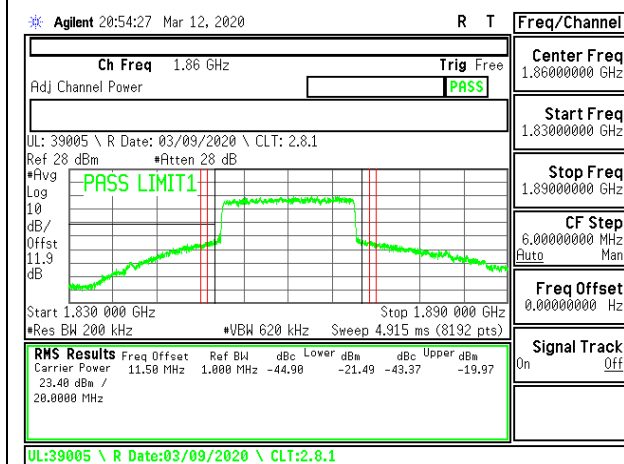
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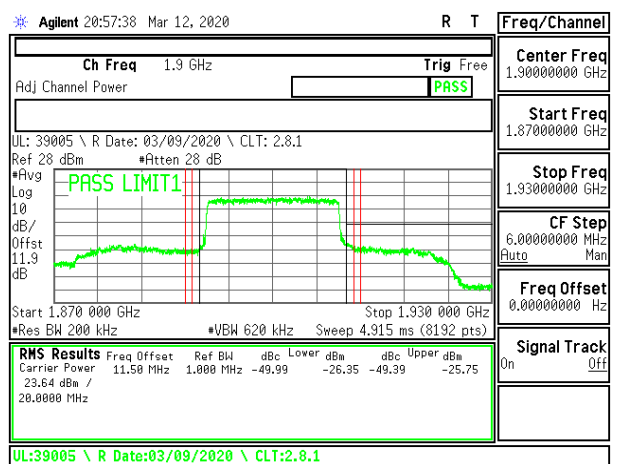
LTE B2 20MHz QPSK Low Channel RB1-0



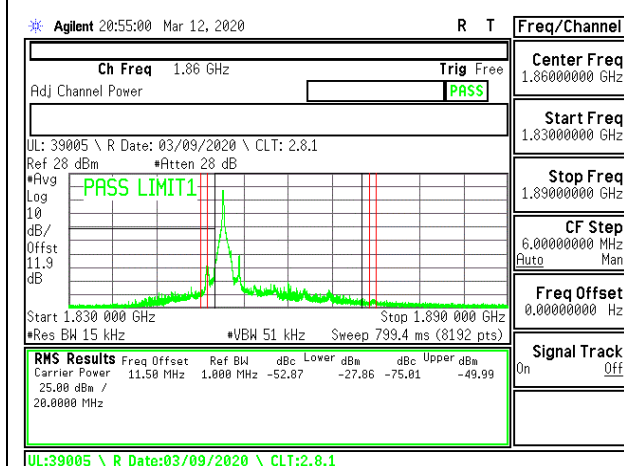
LTE B2 20MHz QPSK High Channel RB1-99



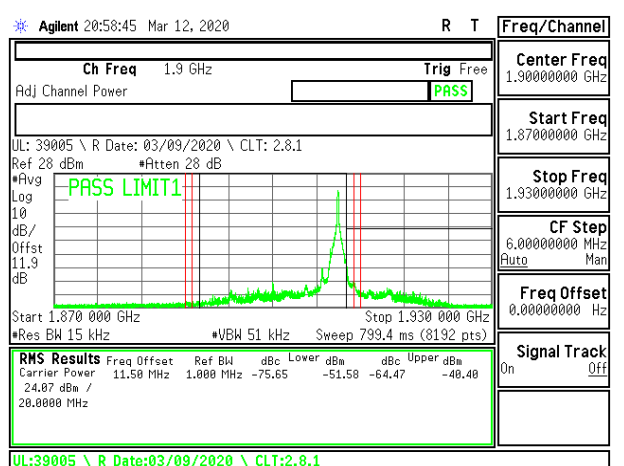
LTE B2 20MHz QPSK Low Channel RB100-0



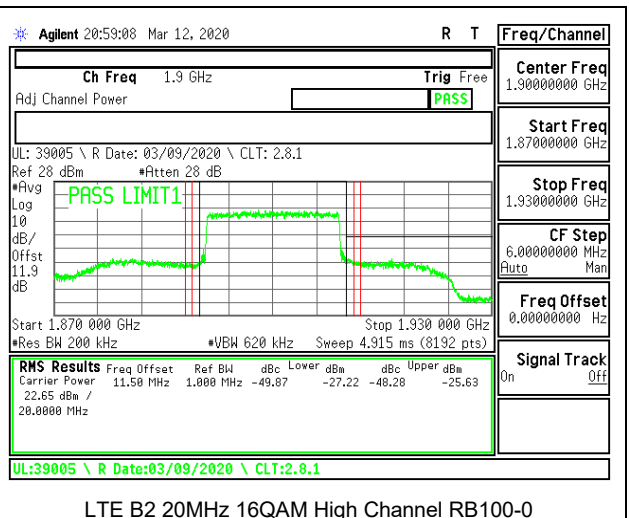
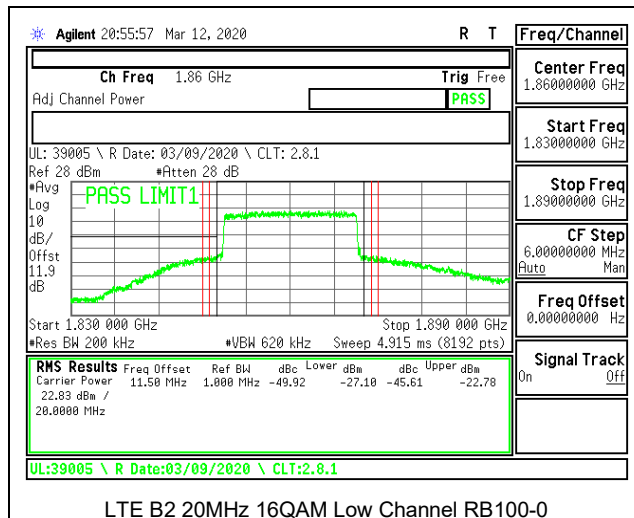
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LTE B2 20MHz 16QAM Low Channel RB1-0



LTE B2 20MHz 16QAM High Channel RB1-99

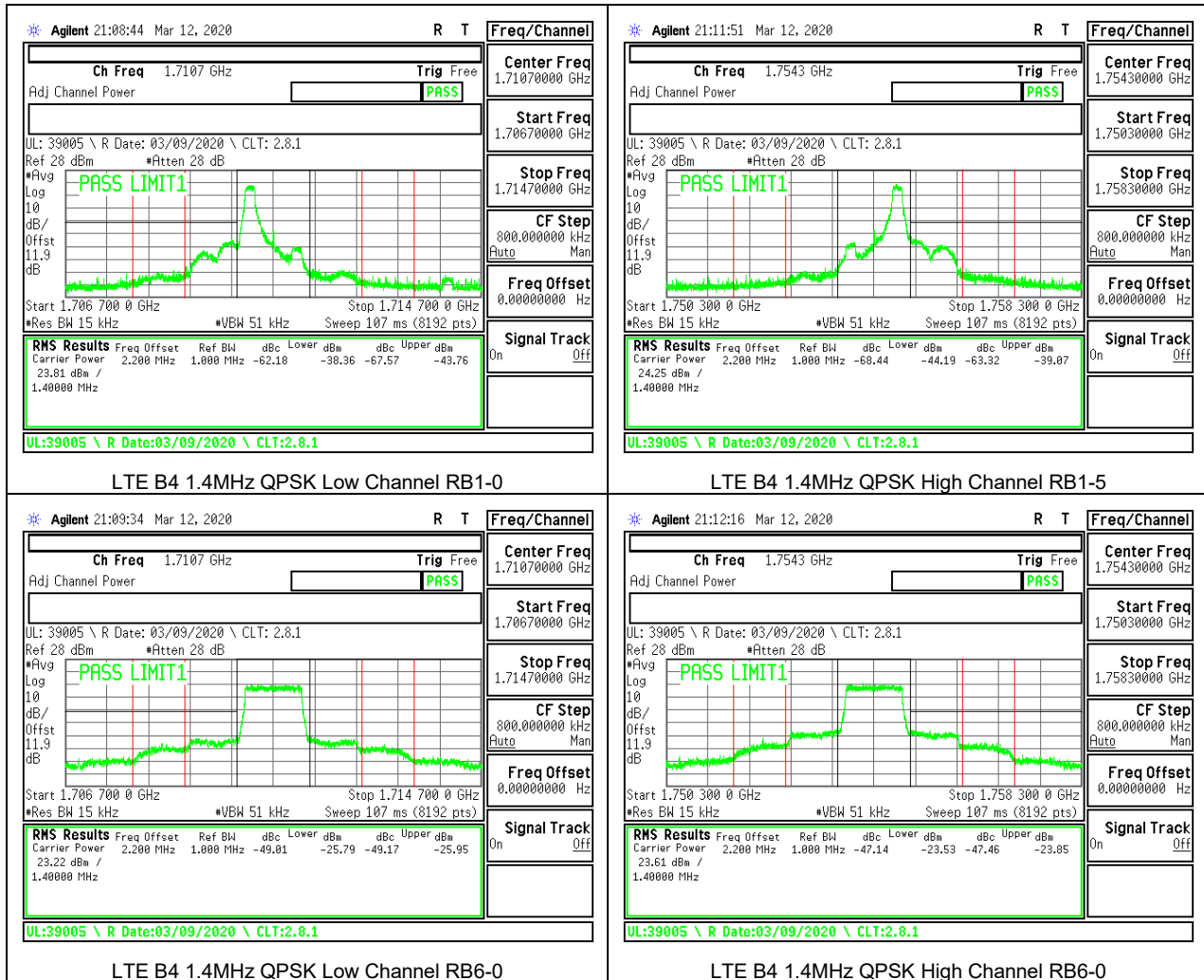


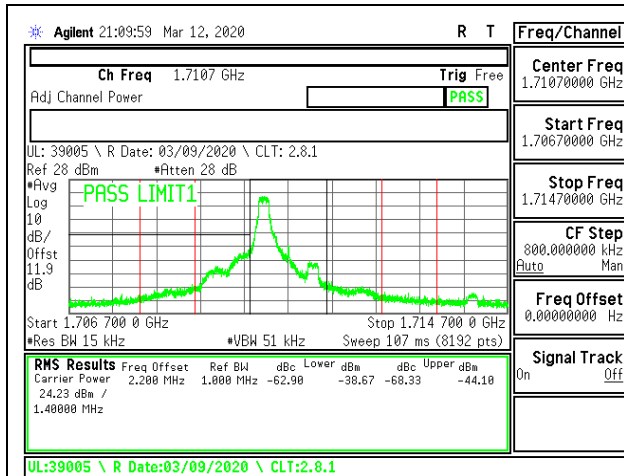
8.2.2. LTE BAND 4 BANDEDGE

LIMITS

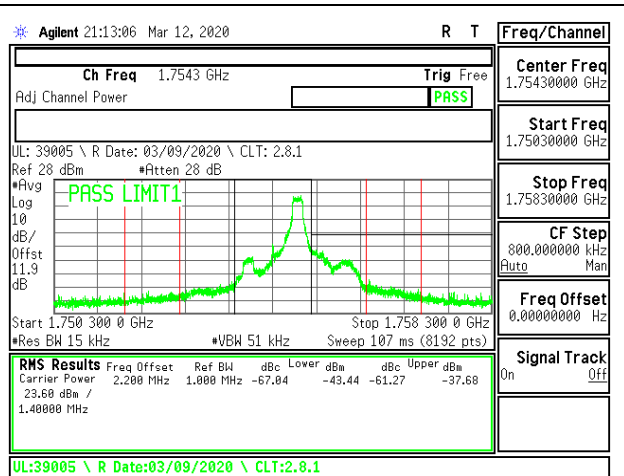
FCC: §27.53(h)

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.

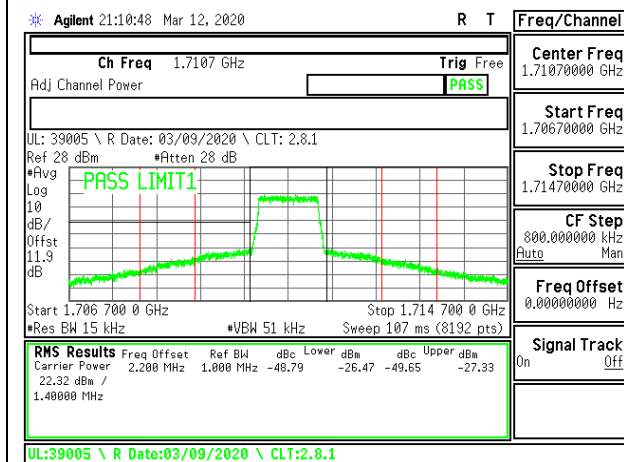




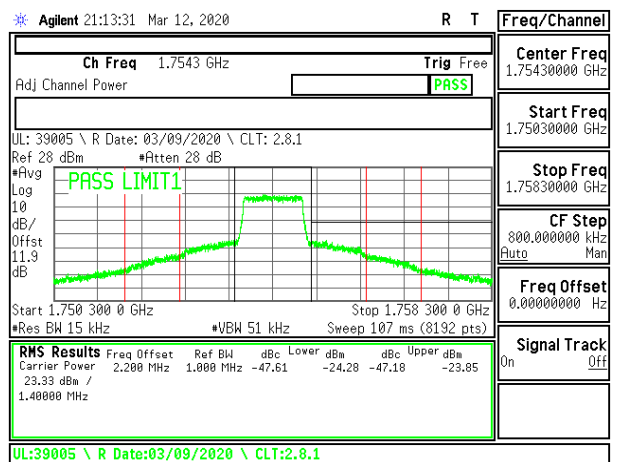
LTE B4 1.4MHz 16QAM Low Channel RB1-0



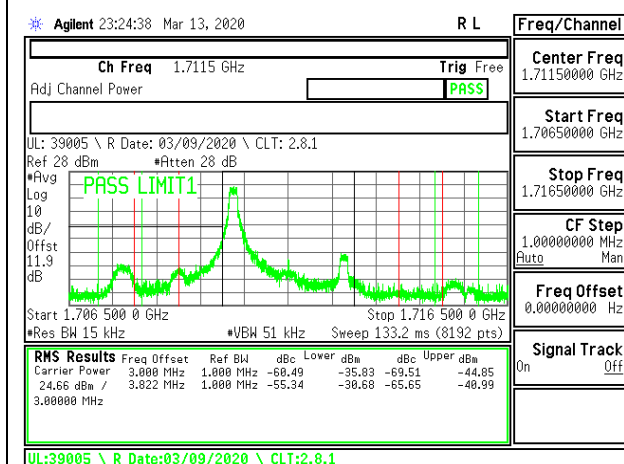
LTE B4 1.4MHz 16QAM High Channel RB1-5



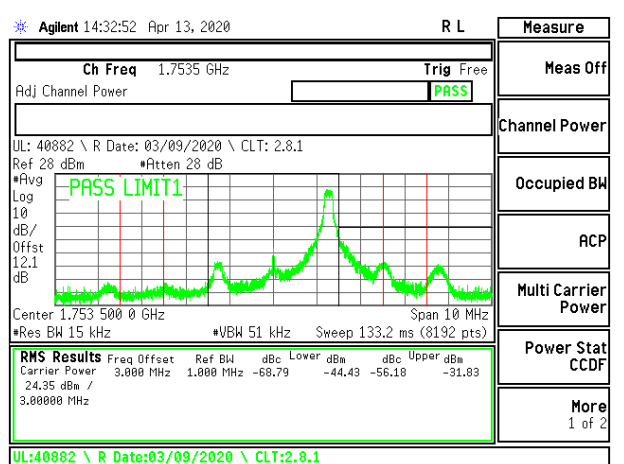
LTE B4 1.4MHz 16QAM Low Channel RB6-0



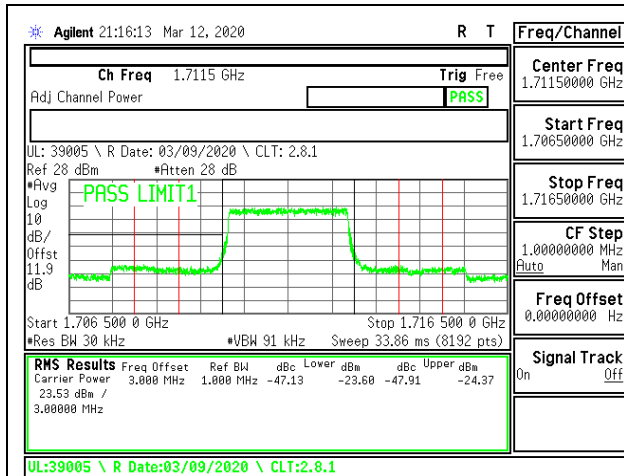
LTE B4 1.4MHz 16QAM High Channel RB6-0



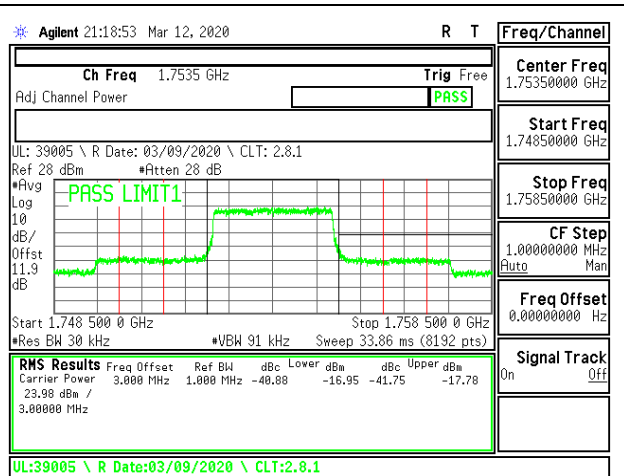
LTE B4 3MHz QPSK Low Channel RB1-0



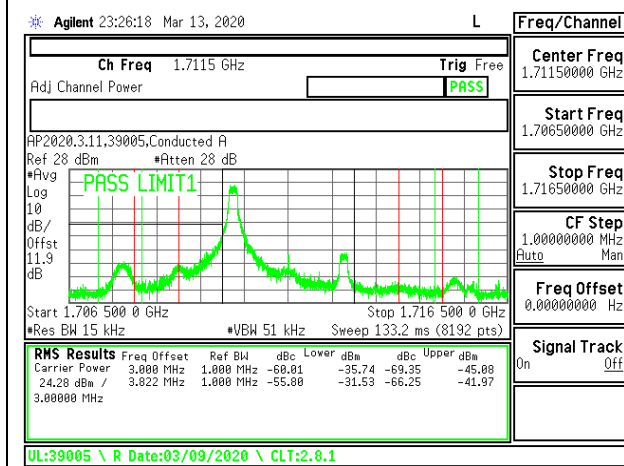
LTE B4 3MHz QPSK High Channel RB1-14



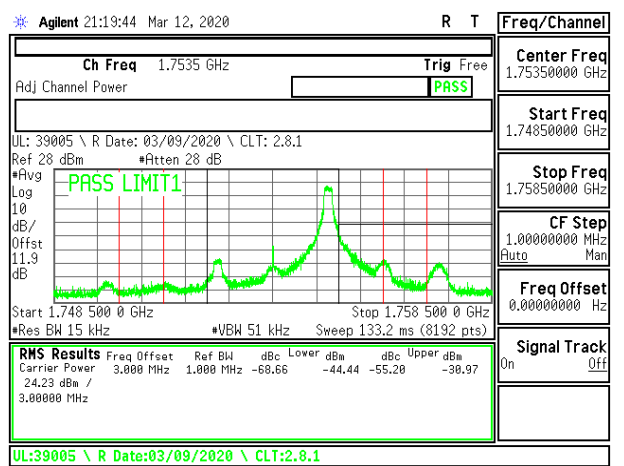
LTE B4 3MHz QPSK Low Channel RB15-0



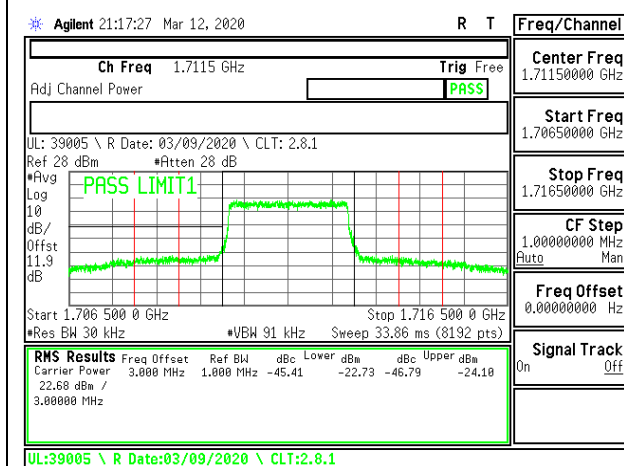
LTE B4 3MHz QPSK High Channel RB15-0



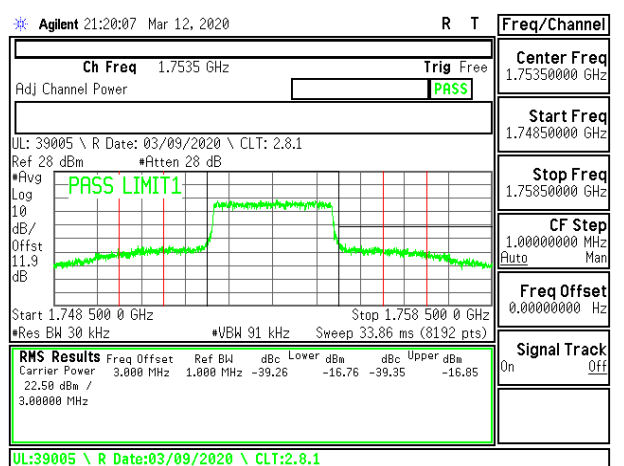
LTE B4 3MHz 16QAM Low Channel RB1-0



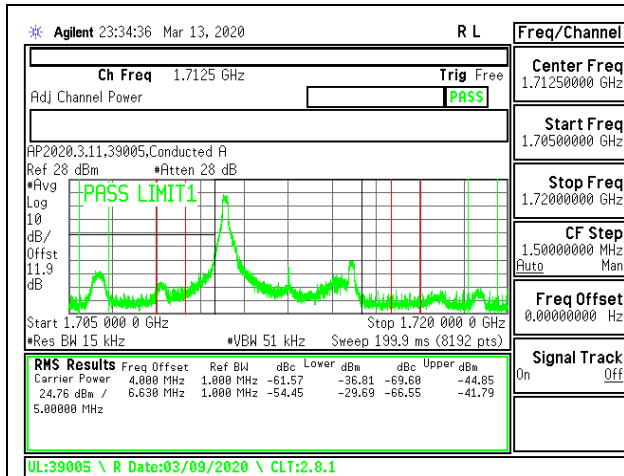
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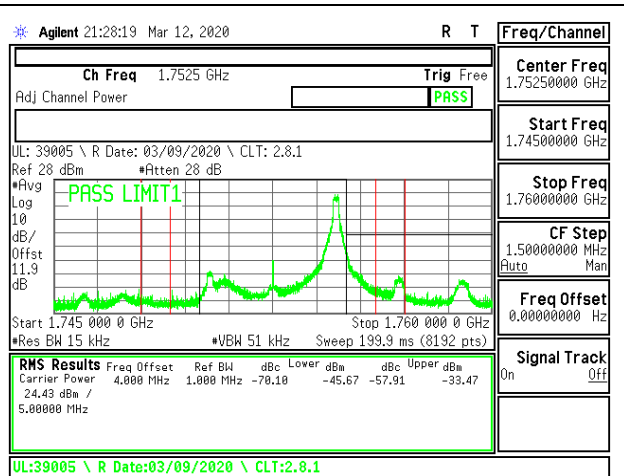
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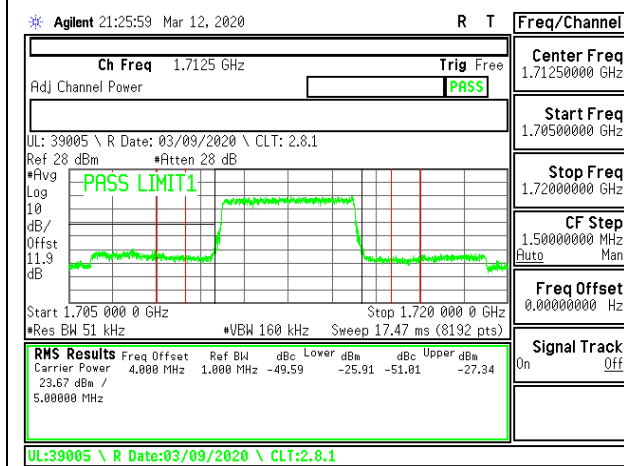
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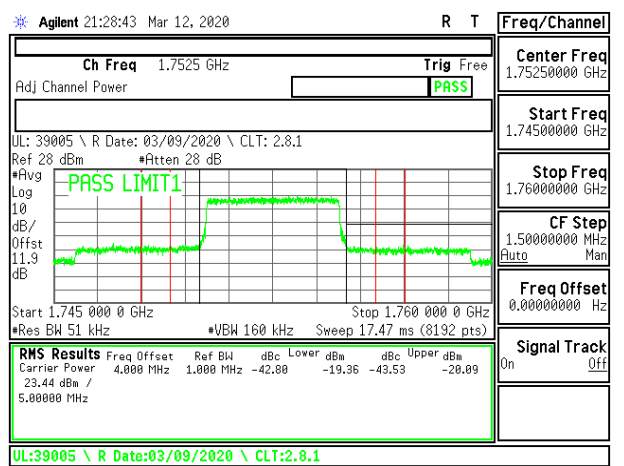
LTE B4 5MHz QPSK Low Channel RB1-0



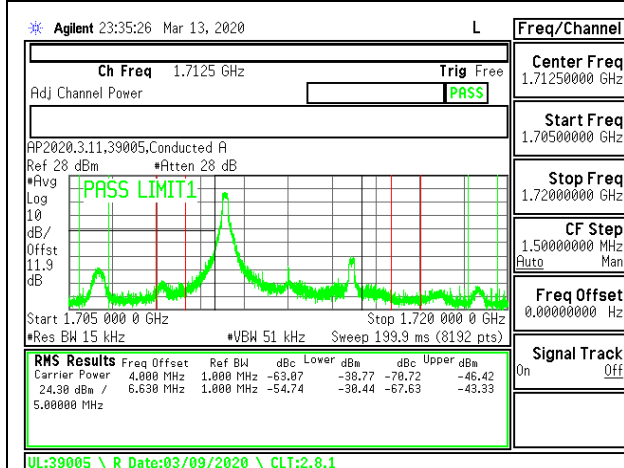
LTE B4 5MHz QPSK High Channel RB1-24



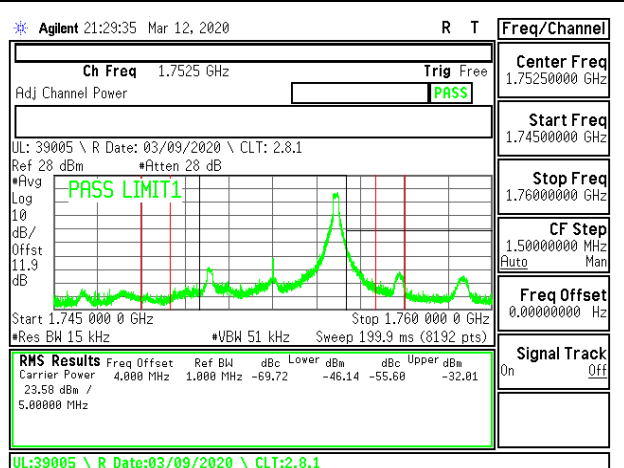
LTE B4 5MHz QPSK Low Channel RB25-0



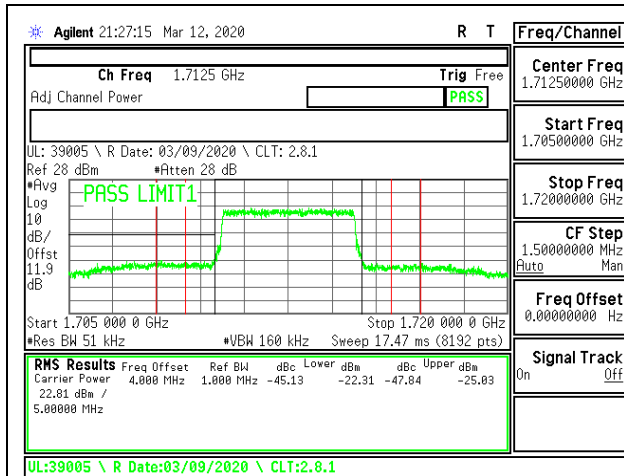
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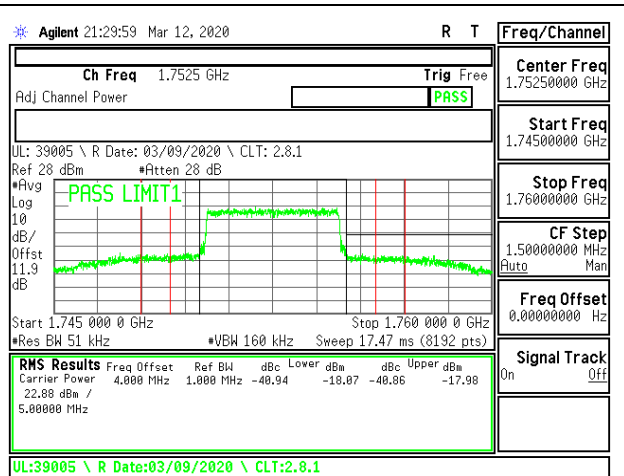
LTE B4 5MHz 16QAM Low Channel RB1-0



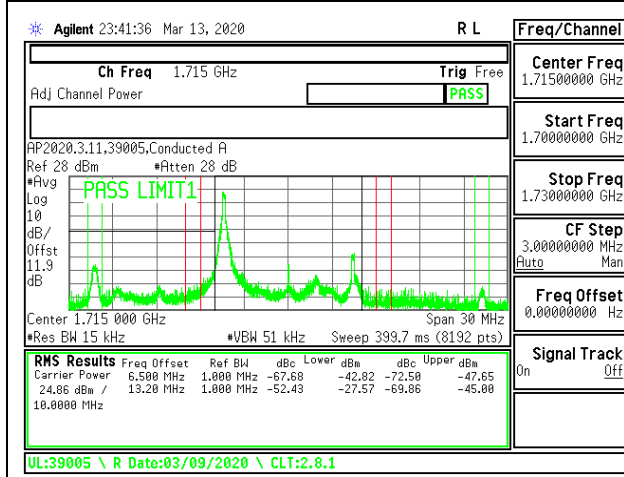
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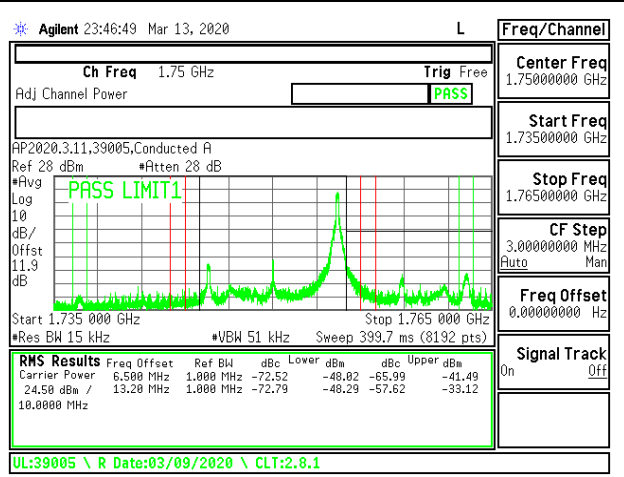
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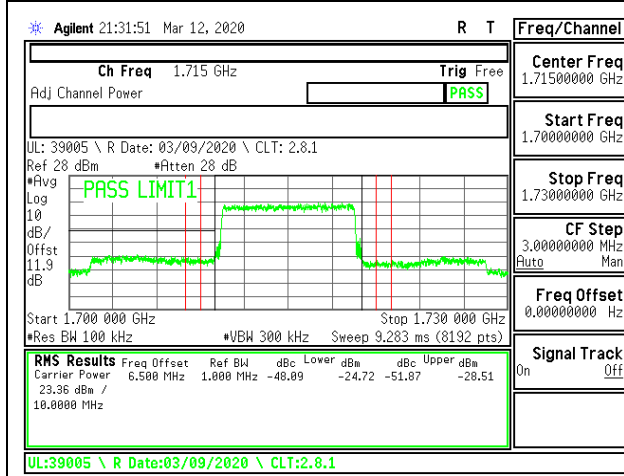
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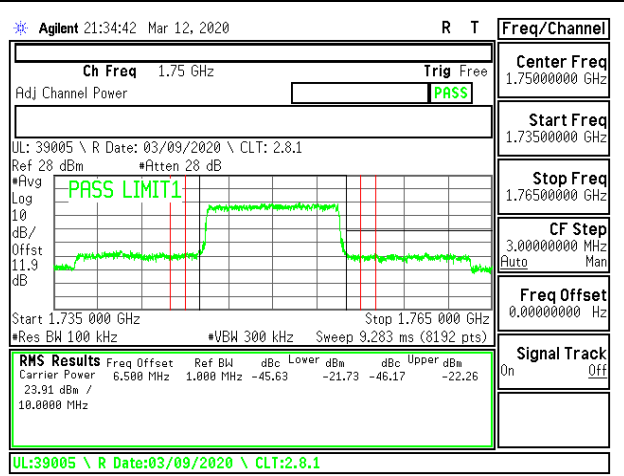
LTE B4 10MHz QPSK Low Channel RB1-0



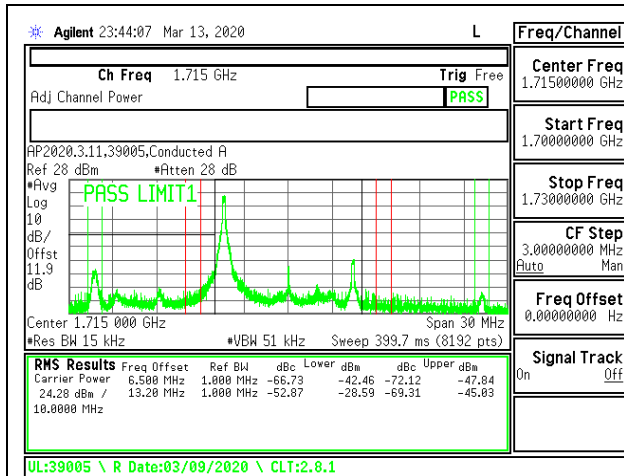
LTE B4 10MHz QPSK High Channel RB1-49



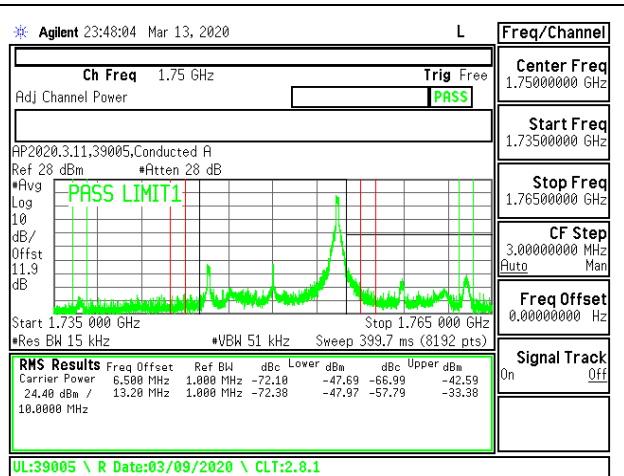
LTE B4 10MHz QPSK Low Channel RB50-0



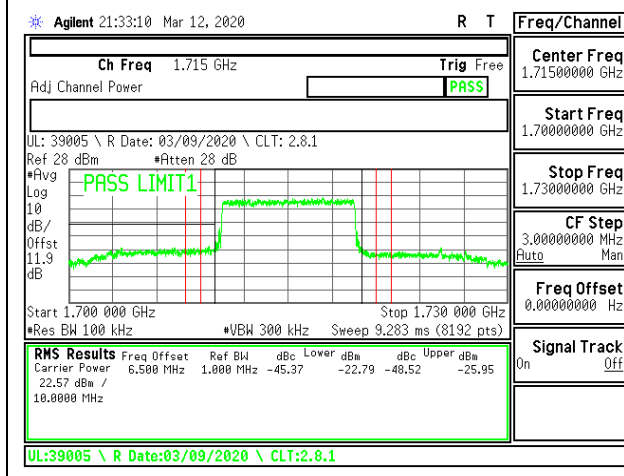
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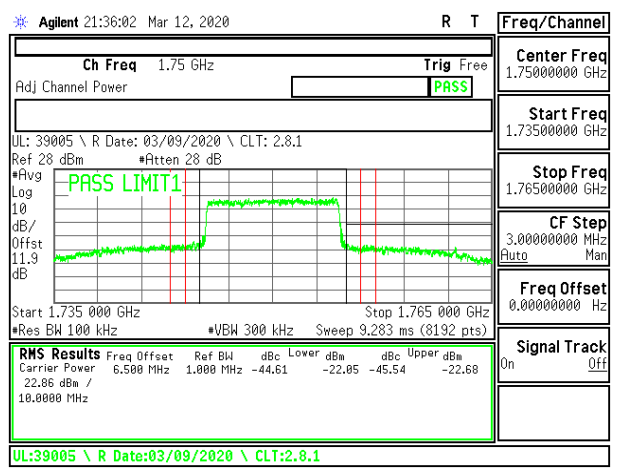
LTE B4 10MHz 16QAM Low Channel RB1-0



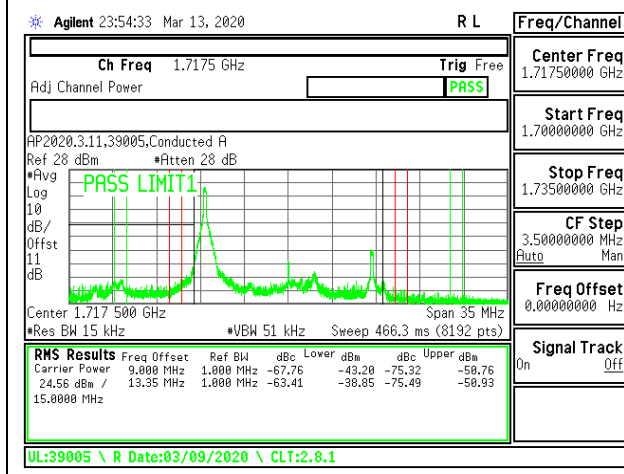
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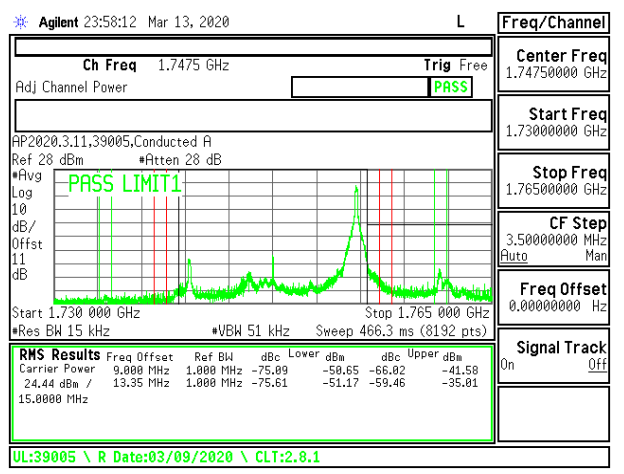
LTE B4 10MHz 16QAM Low Channel RB50-0



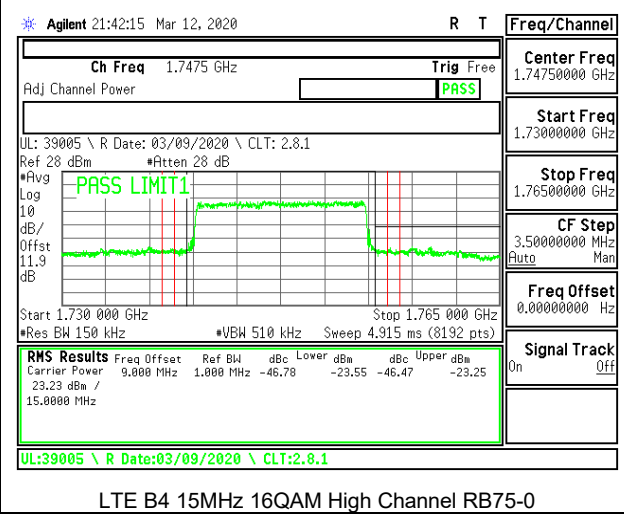
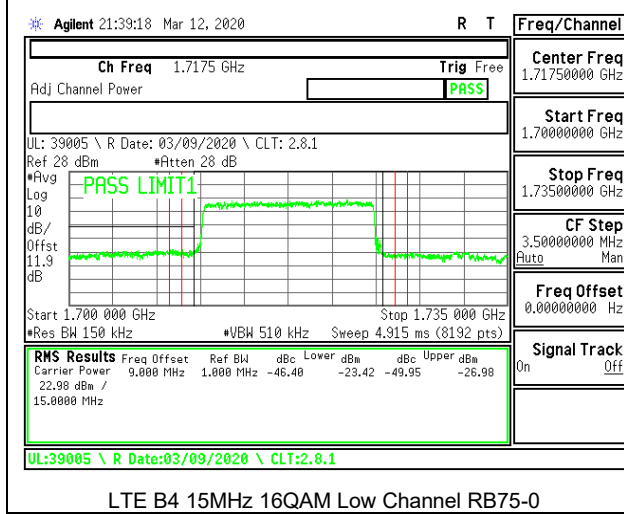
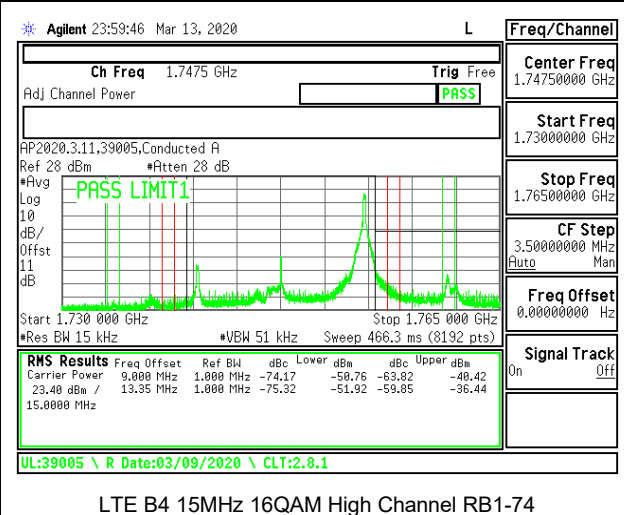
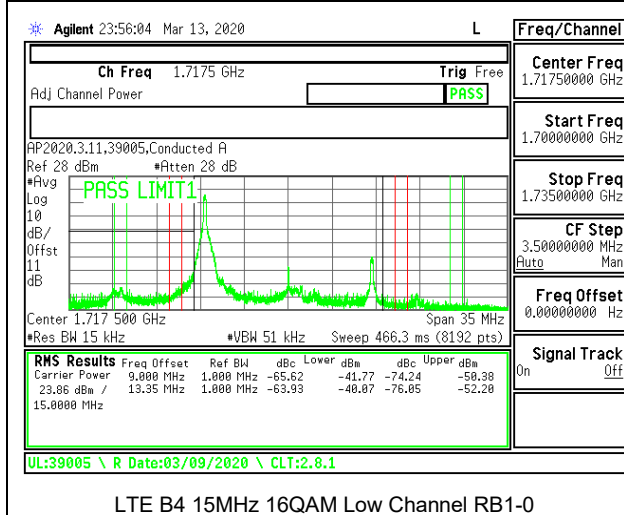
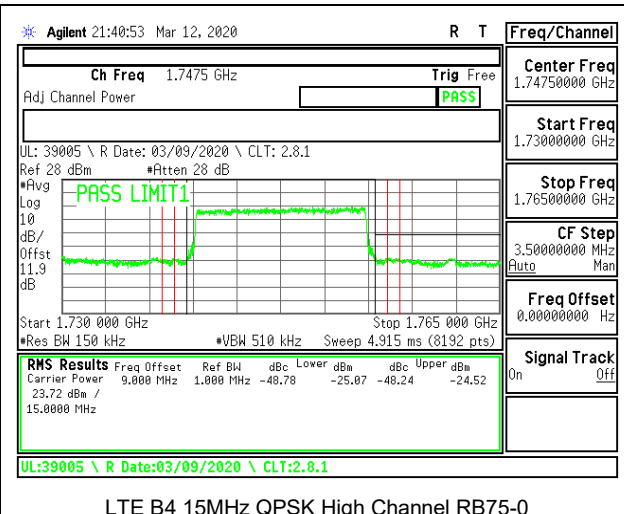
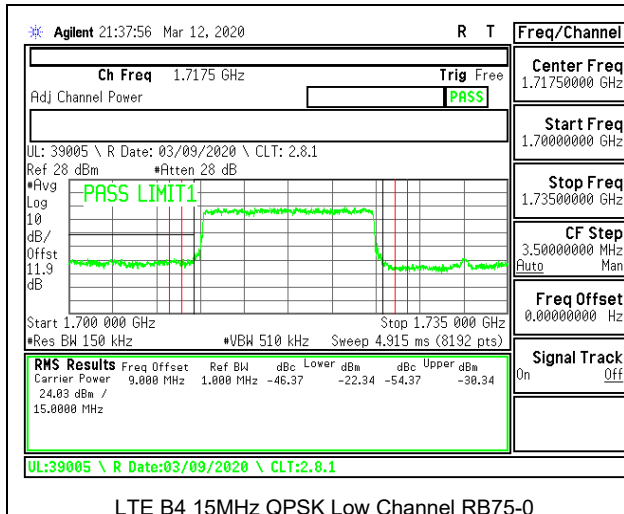
LTE B4 10MHz 16QAM High Channel RB50-0

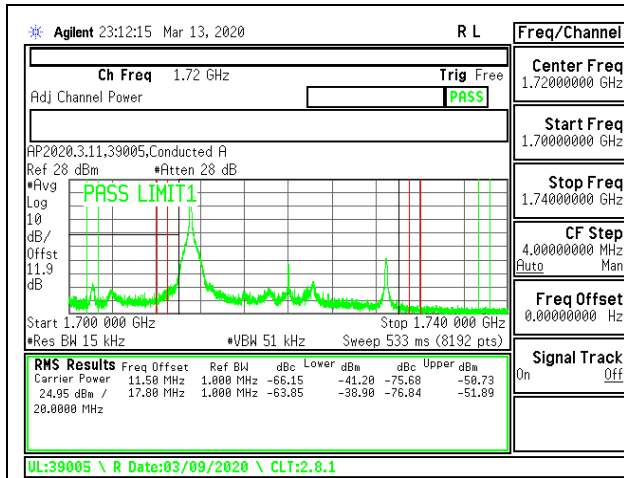


LTE B4 15MHz QPSK Low Channel RB1-0

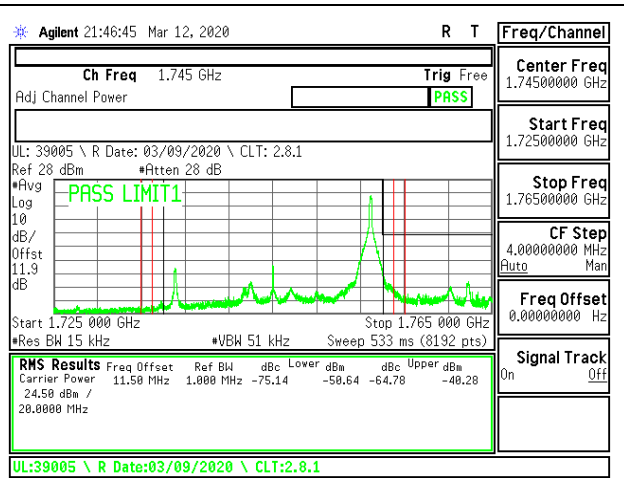


LTE B4 15MHz QPSK High Channel RB1-74

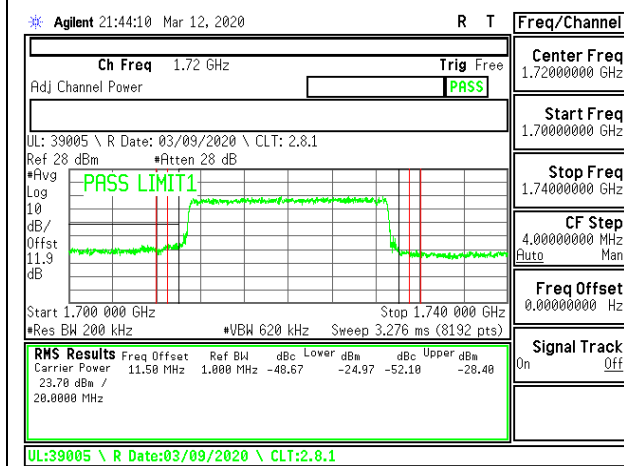




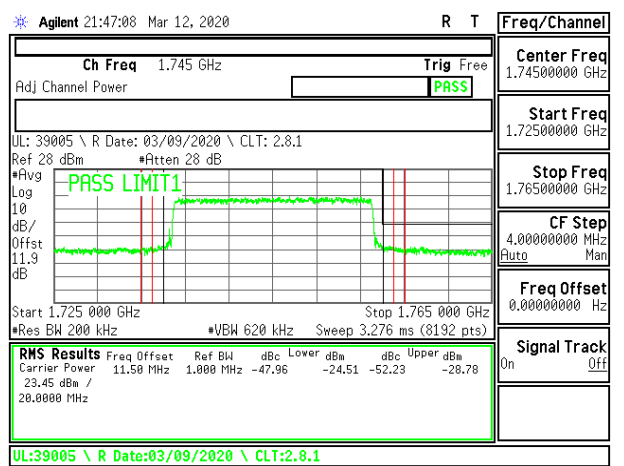
LTE B4 20MHz QPSK Low Channel RB1-0



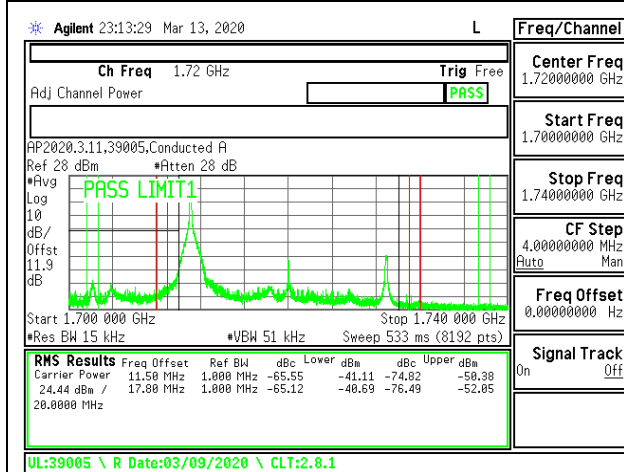
LTE B4 20MHz QPSK High Channel RB1-99



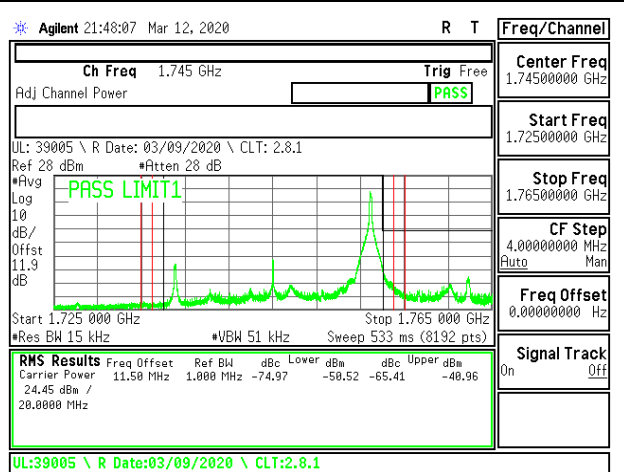
LTE B4 20MHz QPSK Low Channel RB100-0



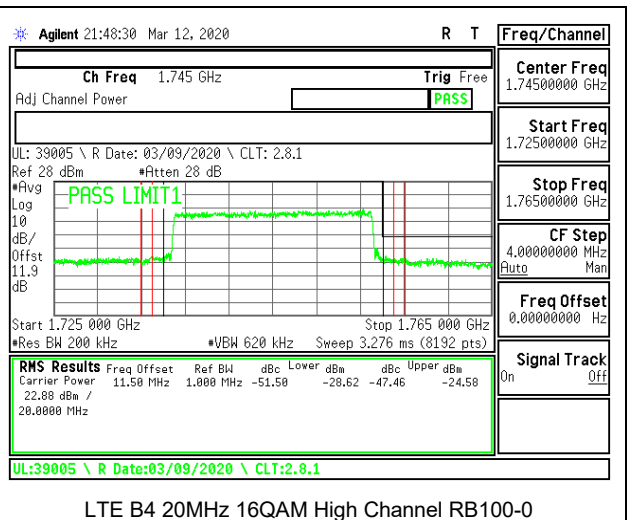
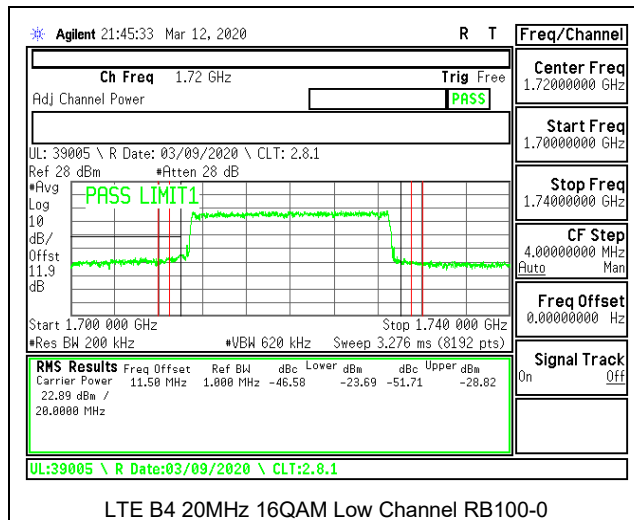
LTE B4 20MHz QPSK High Channel RB100-0



LTE B4 20MHz 16QAM Low Channel RB1-0



LTE B4 20MHz 16QAM High Channel RB1-99

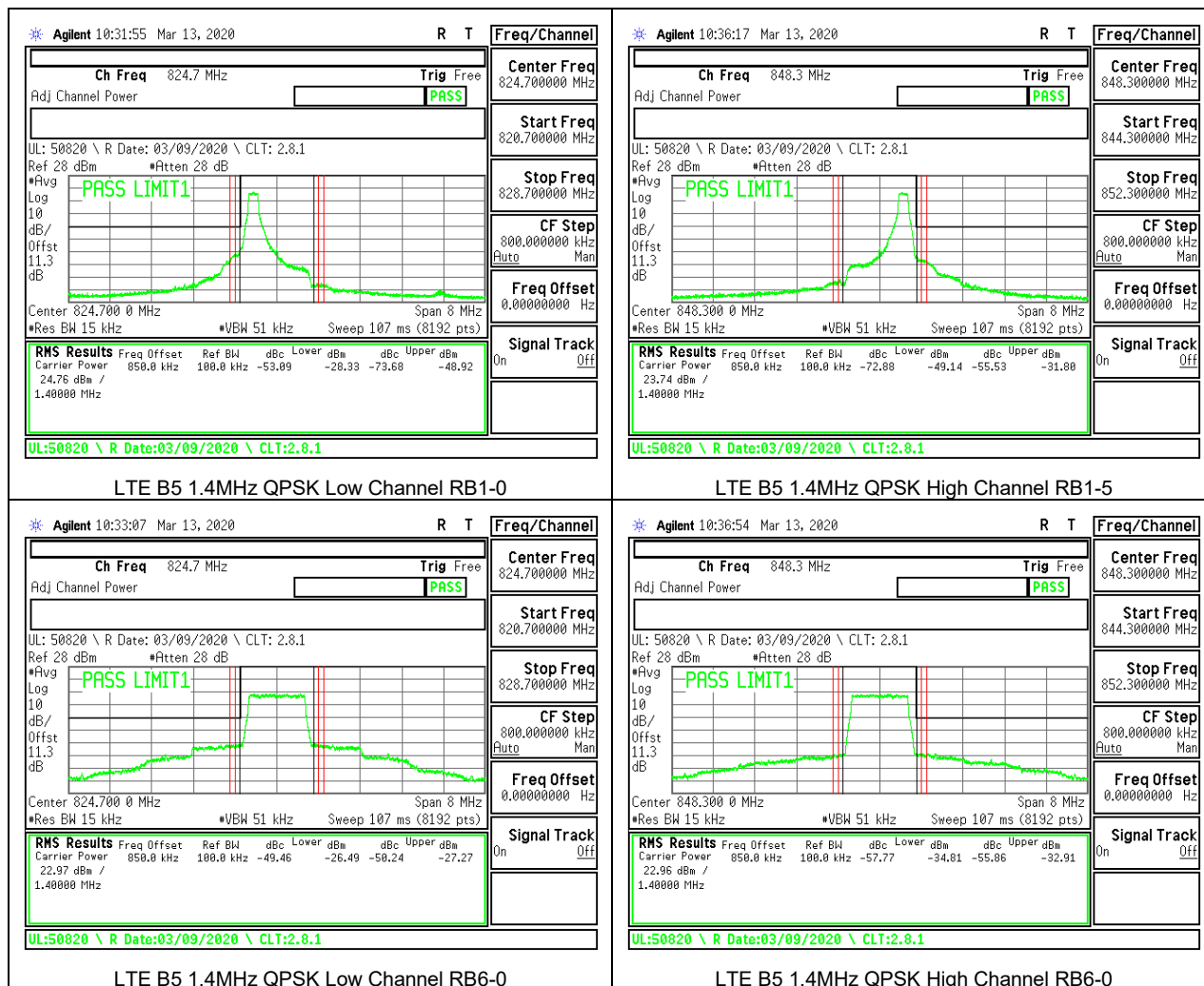


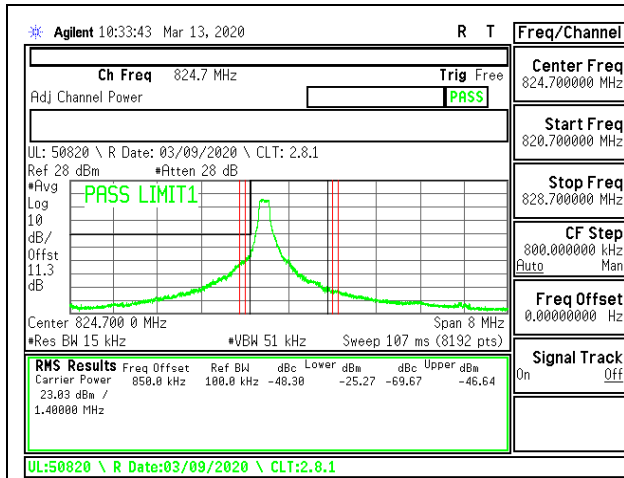
8.2.3. LTE BAND 5 BANDEDGE

LIMITS

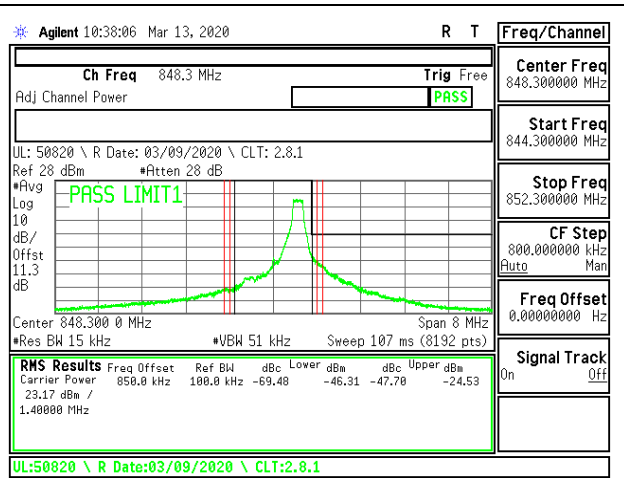
FCC: §22.917

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.

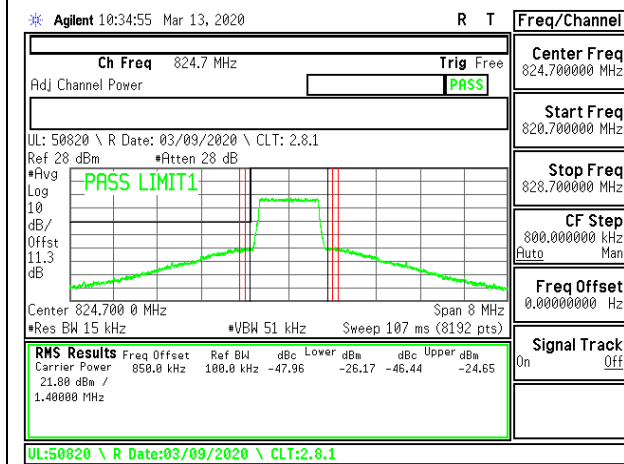




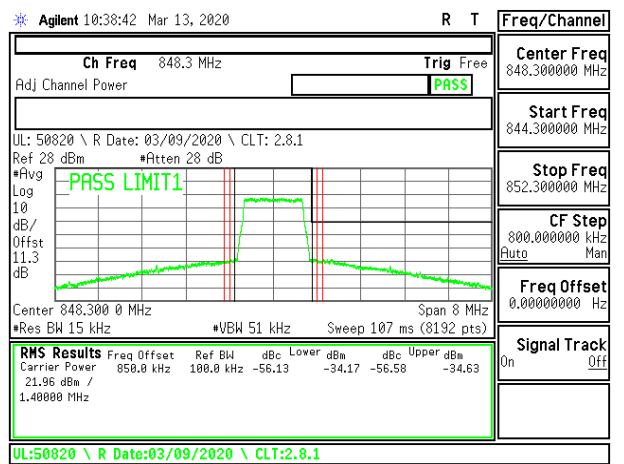
LTE B5 1.4MHz 16QAM Low Channel RB1-0



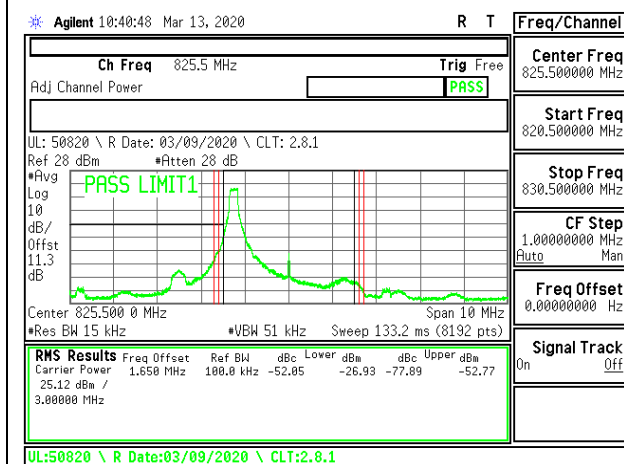
LTE B5 1.4MHz 16QAM High Channel RB1-5



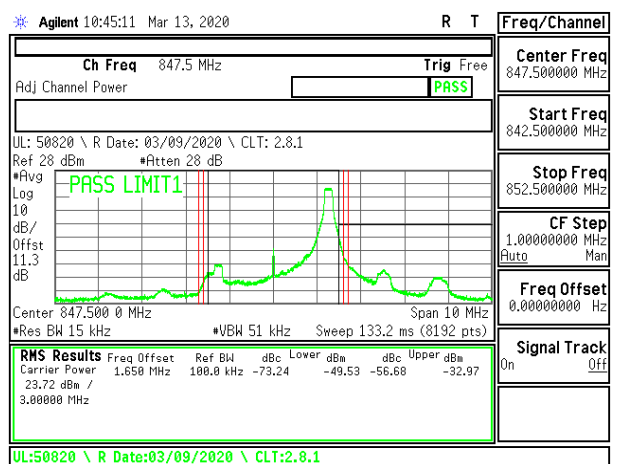
LTE B5 1.4MHz 16QAM Low Channel RB6-0



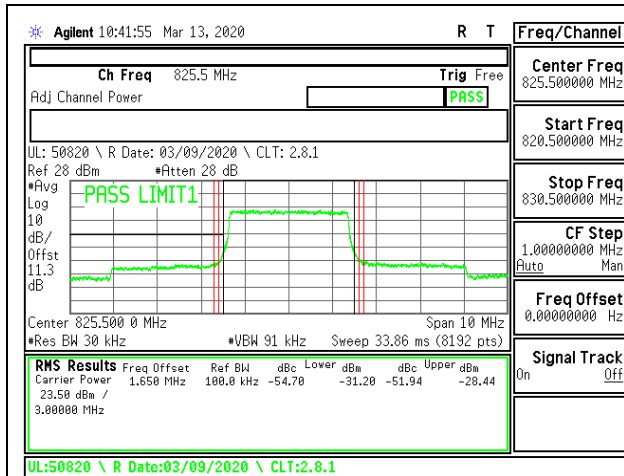
LTE B5 1.4MHz 16QAM High Channel RB6-0



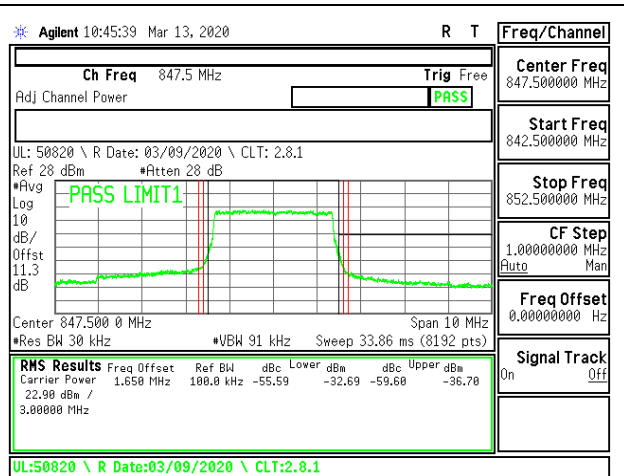
LTE B5 3MHz QPSK Low Channel RB1-0



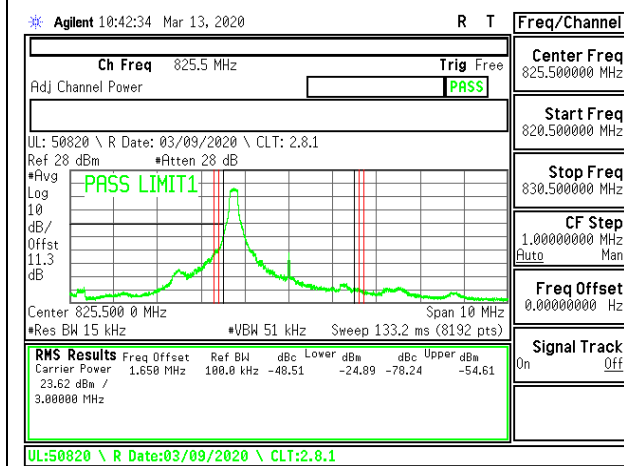
LTE B5 3MHz QPSK High Channel RB1-14



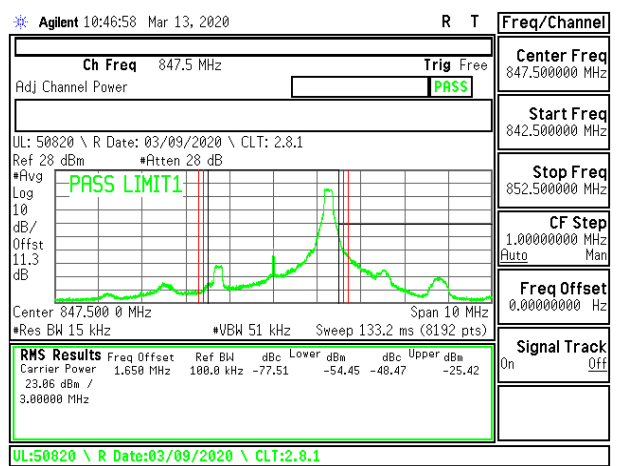
LTE B5 3MHz QPSK Low Channel RB15-0



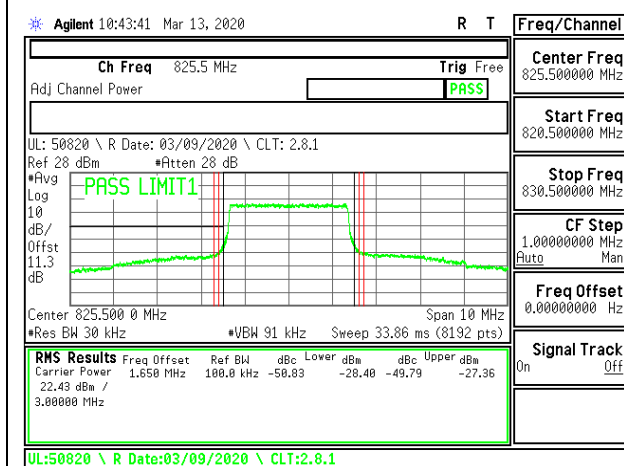
LTE B5 3MHz QPSK High Channel RB15-0



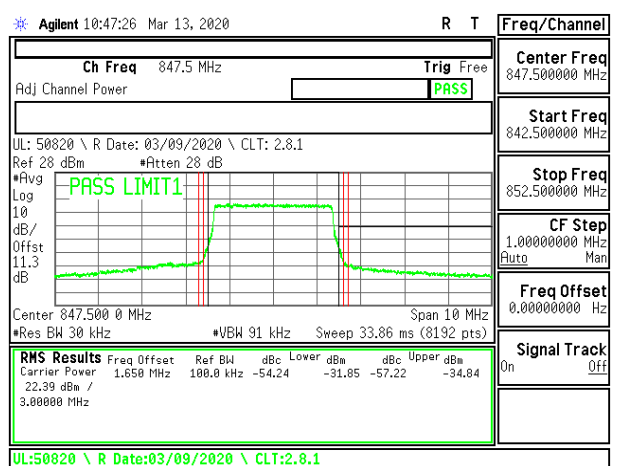
LTE B5 3MHz 16QAM Low Channel RB1-0



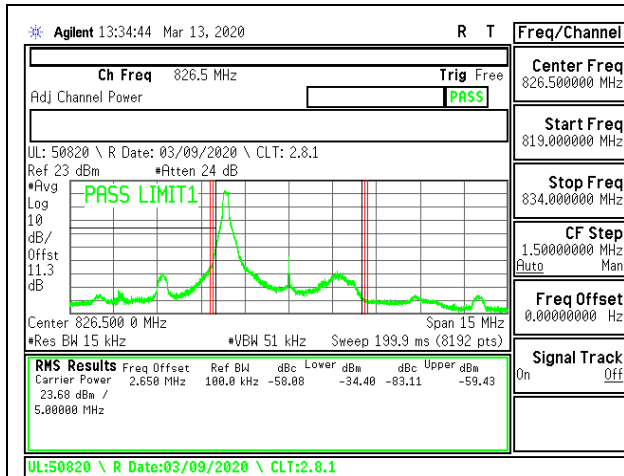
LTE B5 3MHz 16QAM High Channel RB1-14



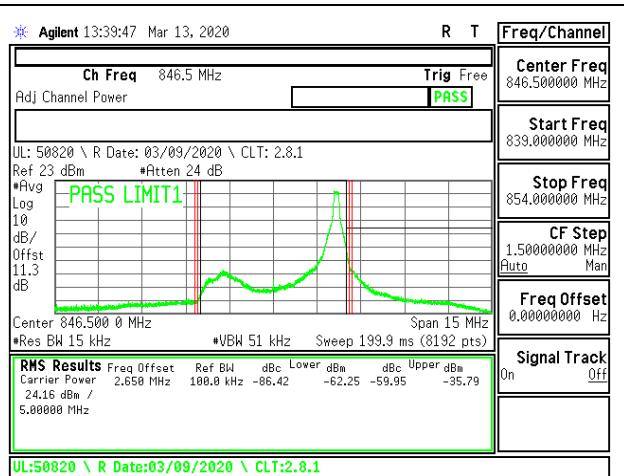
LTE B5 3MHz 16QAM Low Channel RB15-0



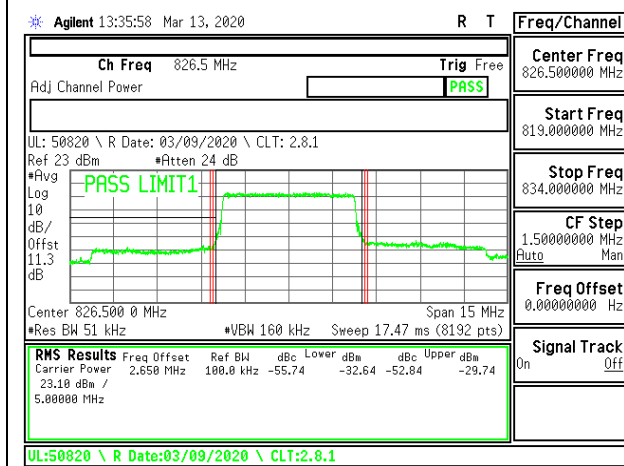
LTE B5 3MHz 16QAM High Channel RB15-0



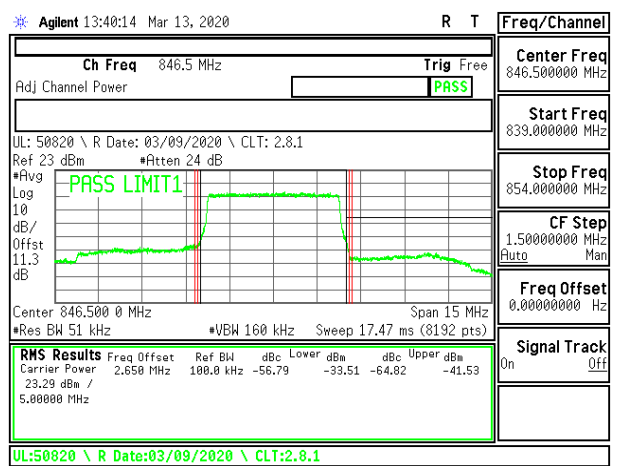
LTE B5 5MHz QPSK Low Channel RB1-0



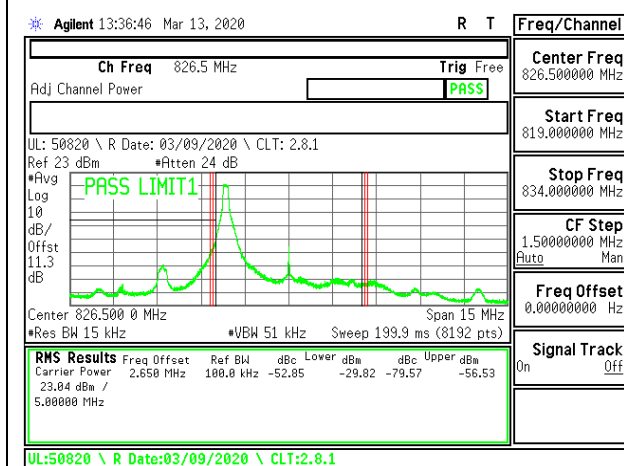
LTE B5 5MHz QPSK High Channel RB1-24



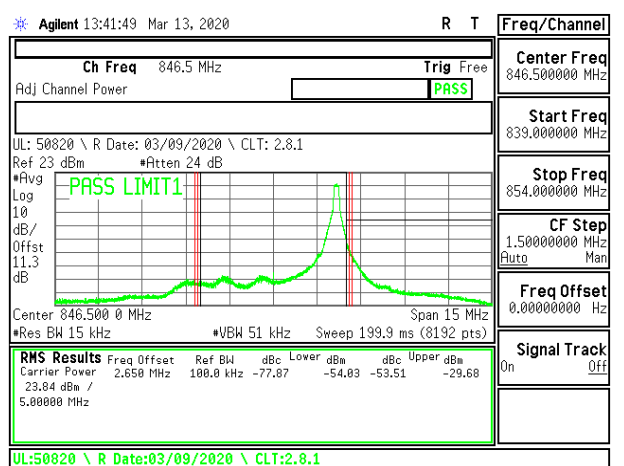
LTE B5 5MHz QPSK Low Channel RB25-0



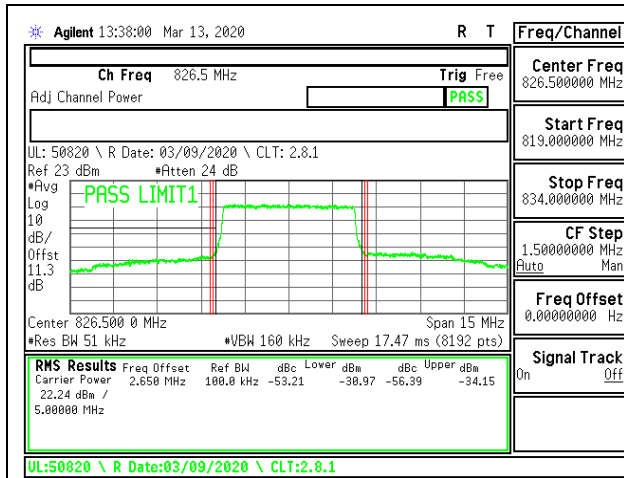
LTE B5 5MHz QPSK High Channel RB25-0



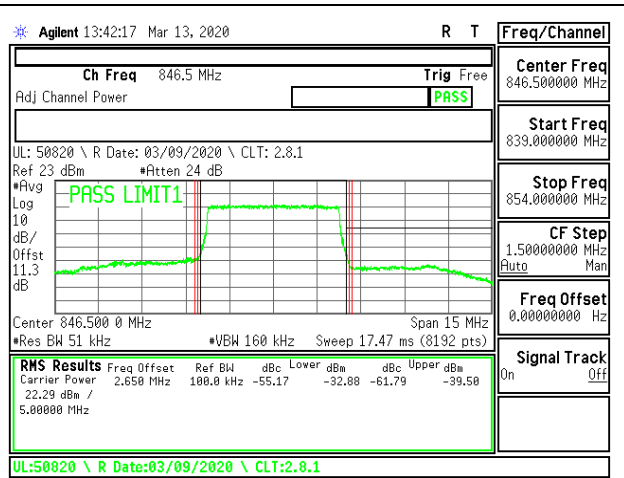
LTE B5 5MHz 16QAM Low Channel RB1-0



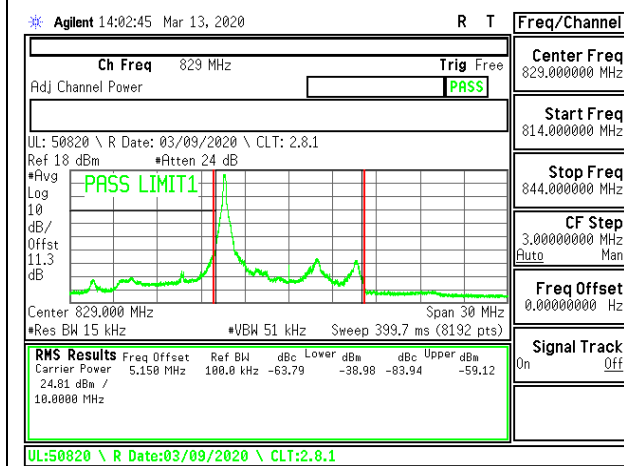
LTE B5 5MHz 16QAM High Channel RB1-24



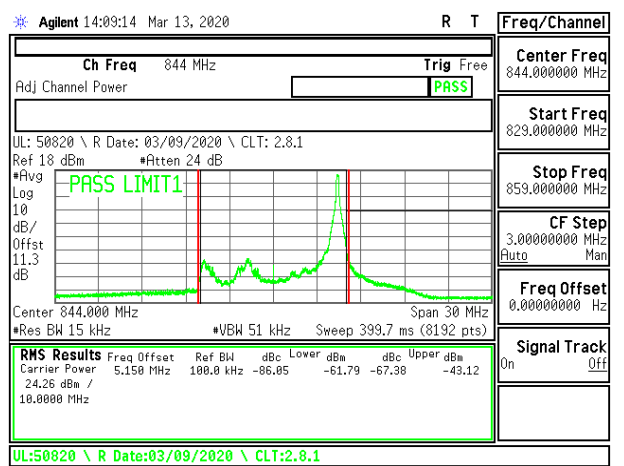
LTE B5 5MHz 16QAM Low Channel RB25-0



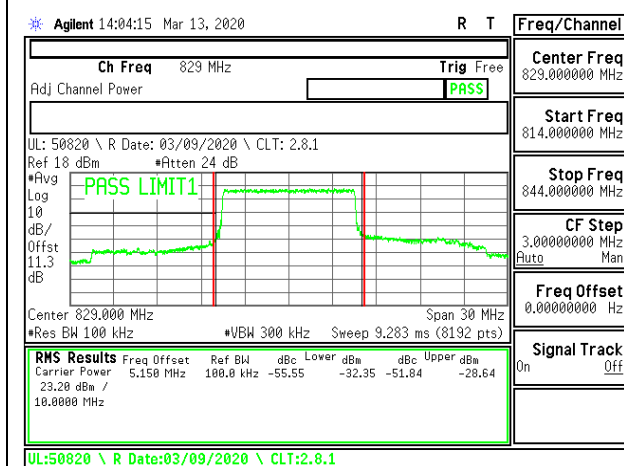
LTE B5 5MHz 16QAM High Channel RB25-0



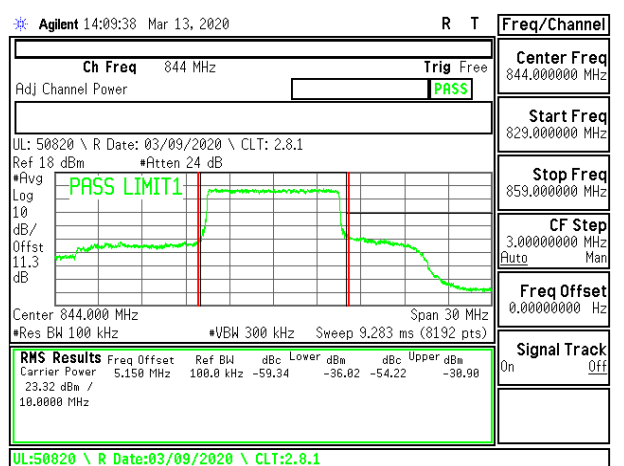
LTE B5 10MHz QPSK Low Channel RB1-0



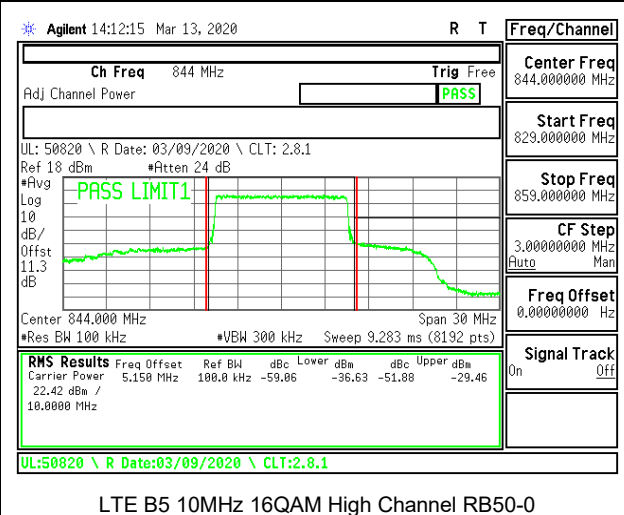
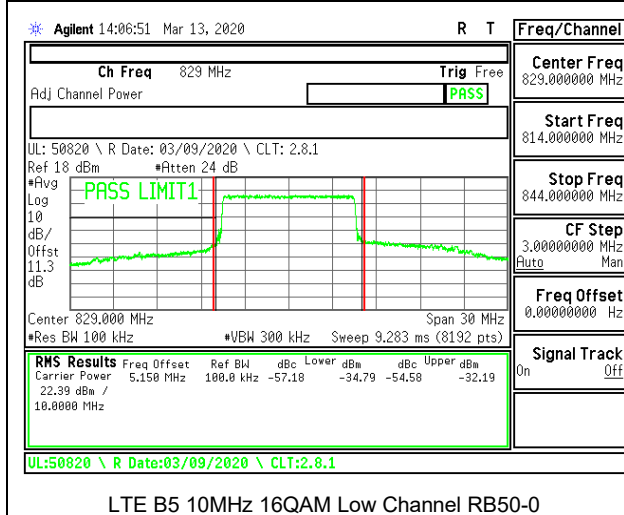
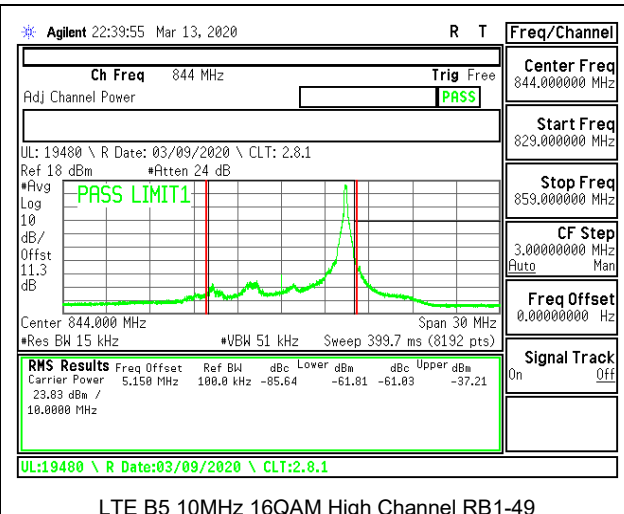
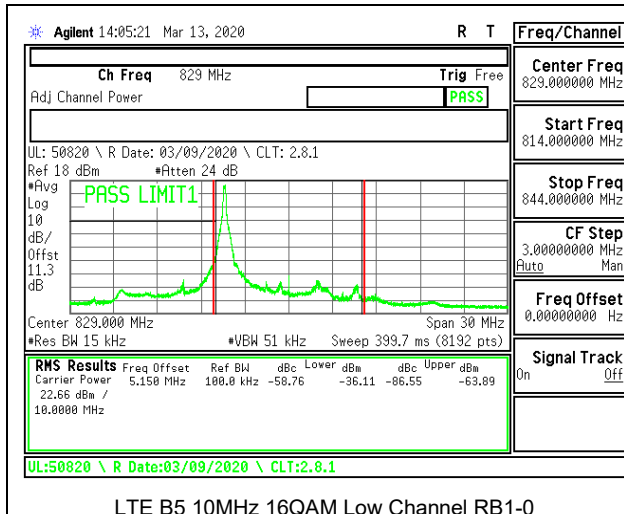
LTE B5 10MHz QPSK High Channel RB1-49



LTE B5 10MHz QPSK Low Channel RB50-0



LTE B5 10MHz QPSK High Channel RB50-0

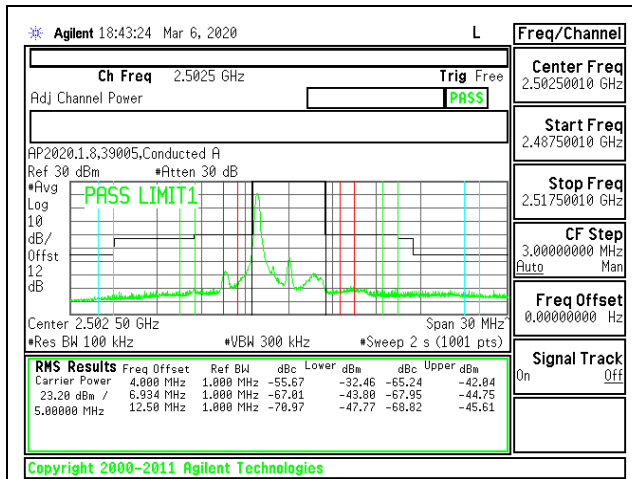


8.2.4. LTE BAND 7 ADJACENT CHANNEL POWER

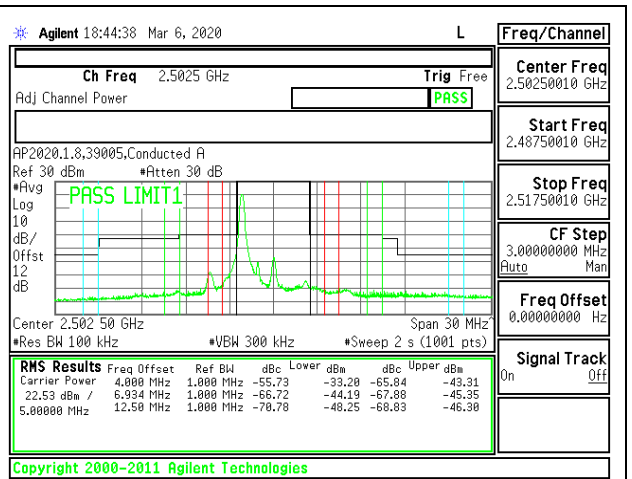
LIMITS

FCC: §27.53

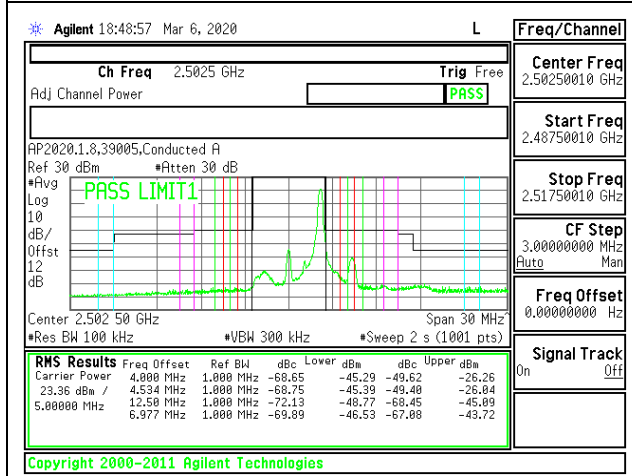
(m)(4) For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) 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 that 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.



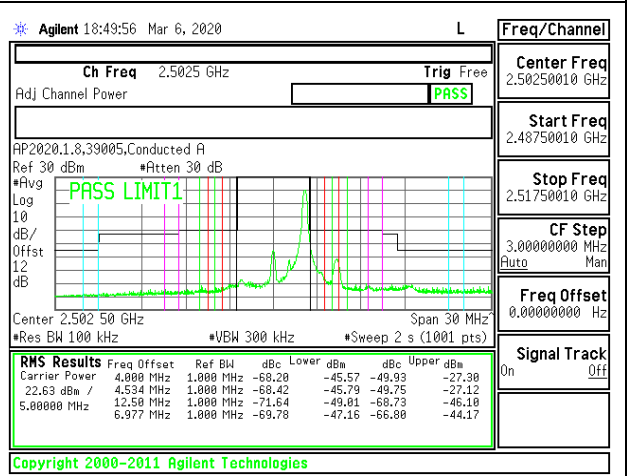
LTE B7 5MHz QPSK Low Channel RB1-0



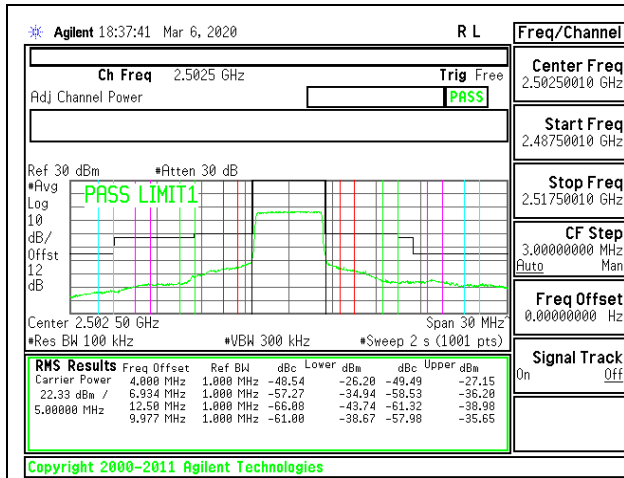
LTE B7 5MHz 16QAM Low Channel RB1-0



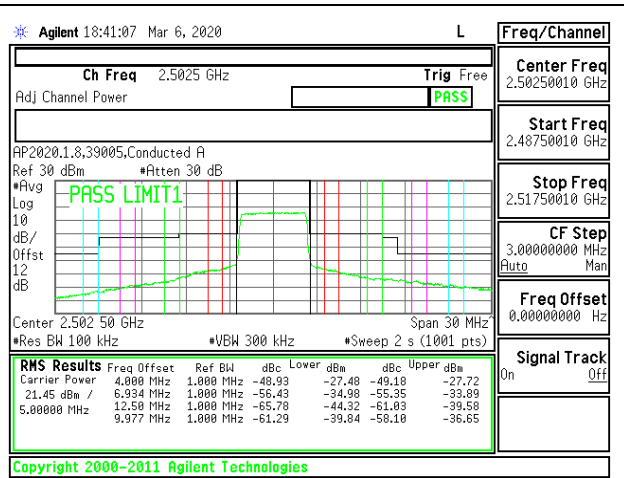
LTE B7 5MHz QPSK Low Channel RB1-24



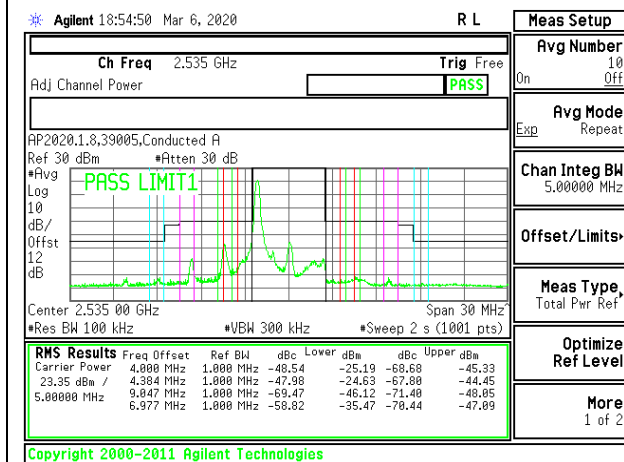
LTE B7 5MHz 16QAM Low Channel RB1-24



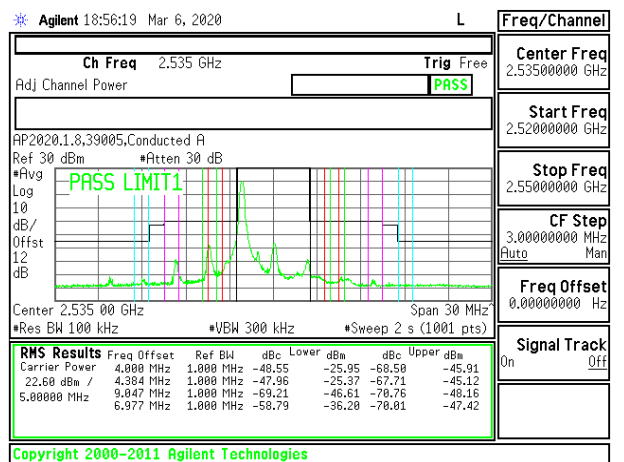
LTE B7 5MHz QPSK Low Channel RB25-0



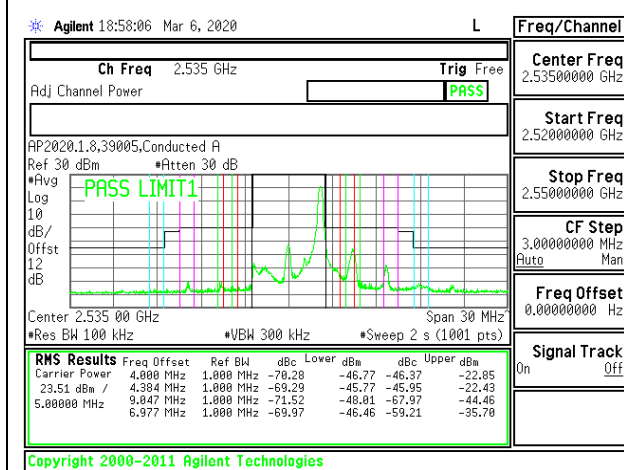
LTE B7 5MHz 16QAM Low Channel RB25-0



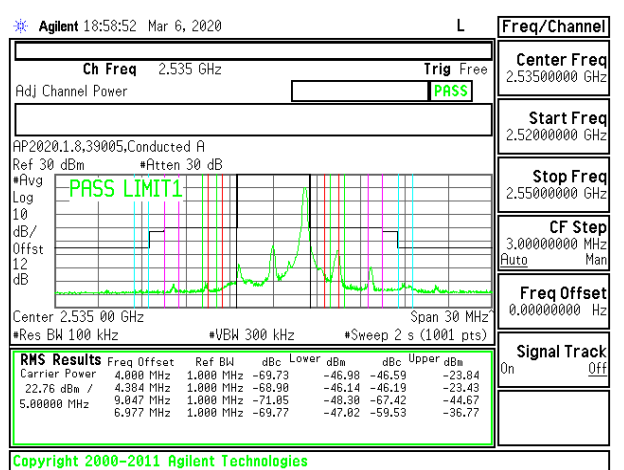
LTE B7 5MHz QPSK Middle Channel RB1-0



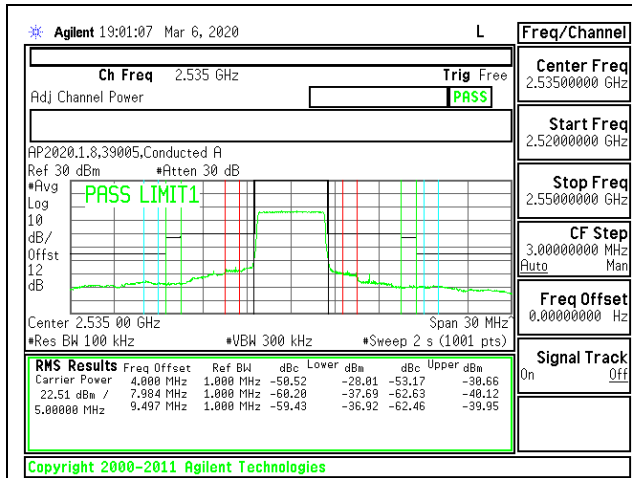
LTE B7 5MHz 16QAM Middle Channel RB1-0



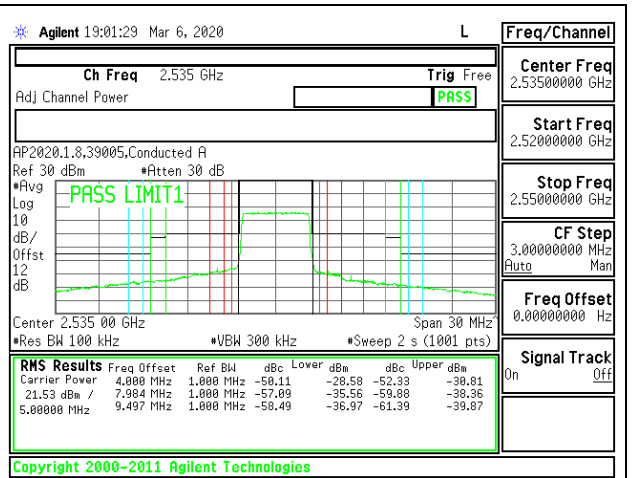
LTE B7 5MHz QPSK Middle Channel RB1-24



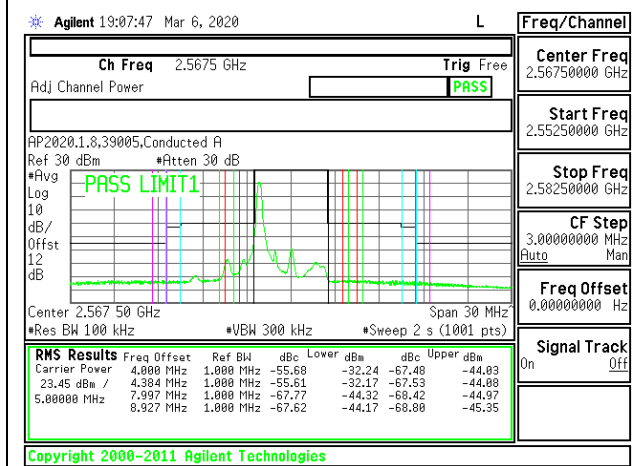
LTE B7 5MHz 16QAM Middle Channel RB1-24



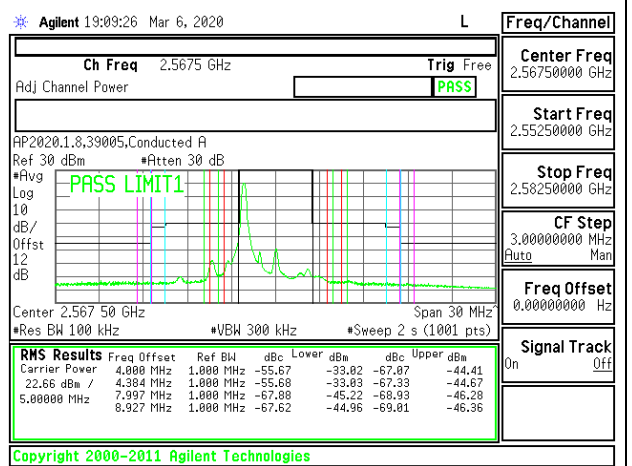
LTE B7 5MHz QPSK Middle Channel RB25-0



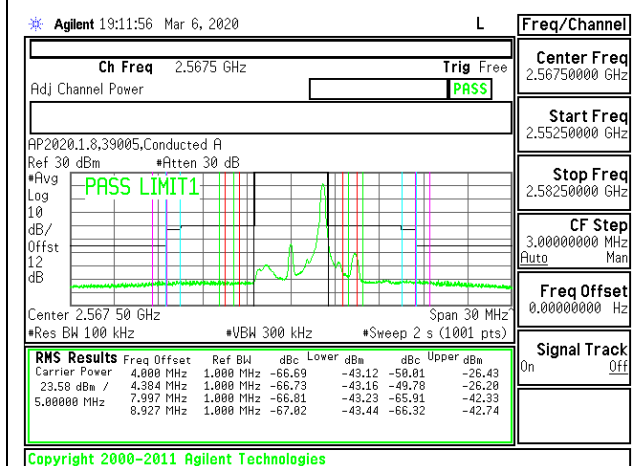
LTE B7 5MHz 16QAM Middle Channel RB25-0



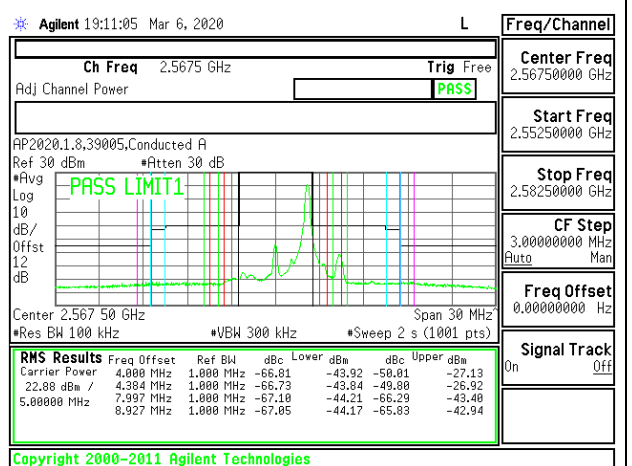
LTE B7 5MHz QPSK High Channel RB1-0



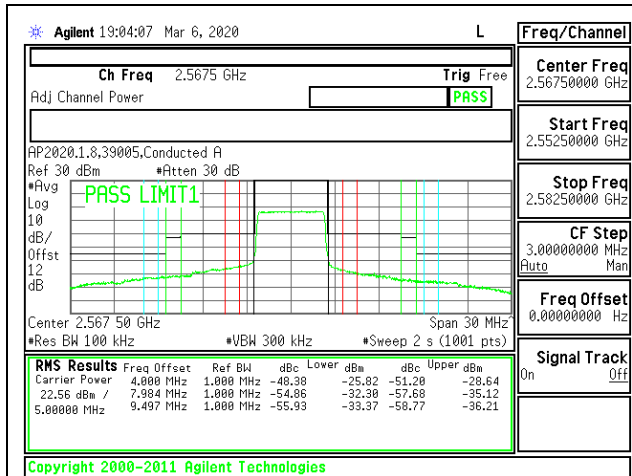
LTE B7 5MHz 16QAM High Channel RB1-0



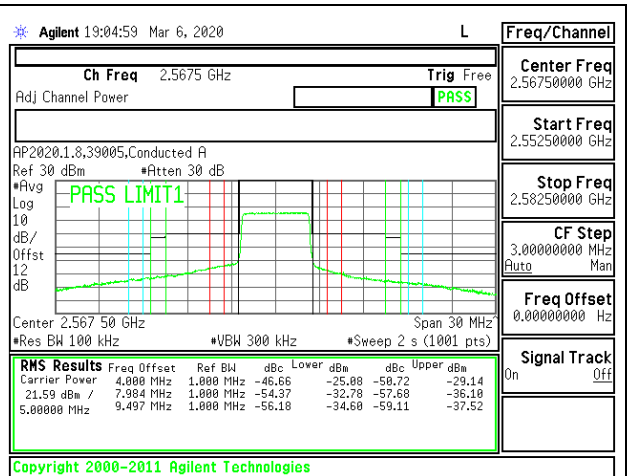
LTE B7 5MHz QPSK High Channel RB1-24



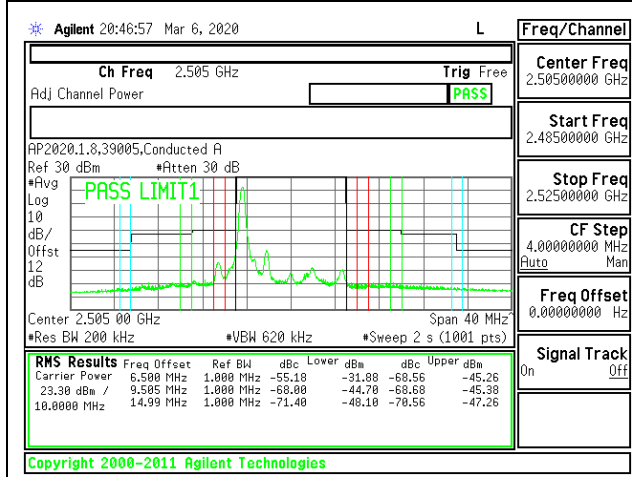
LTE B7 5MHz 16QAM High Channel RB1-24



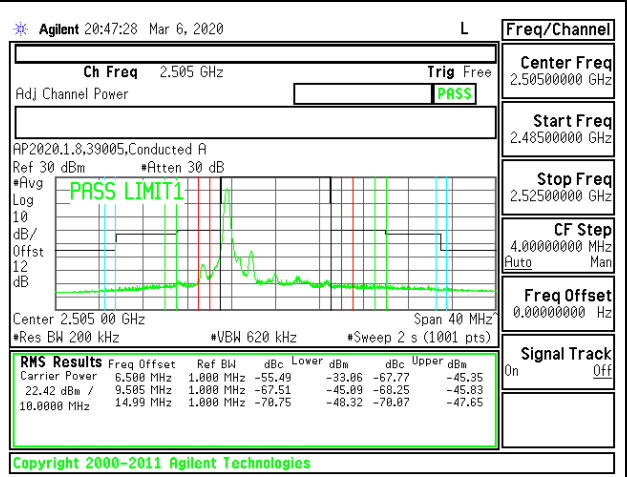
LTE B7 5MHz QPSK High Channel RB25-0



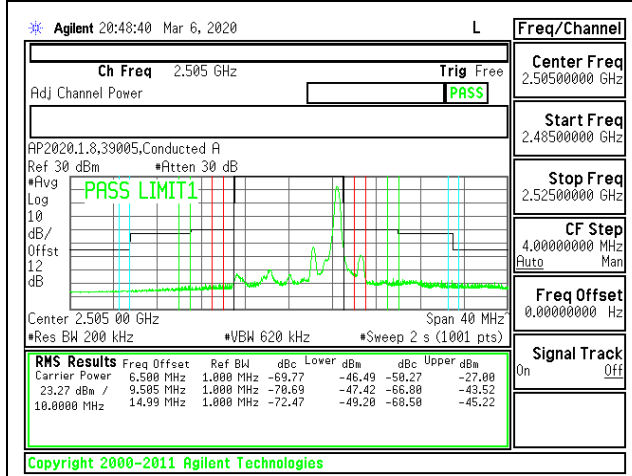
LTE B7 5MHz 16QAM High Channel RB25-0



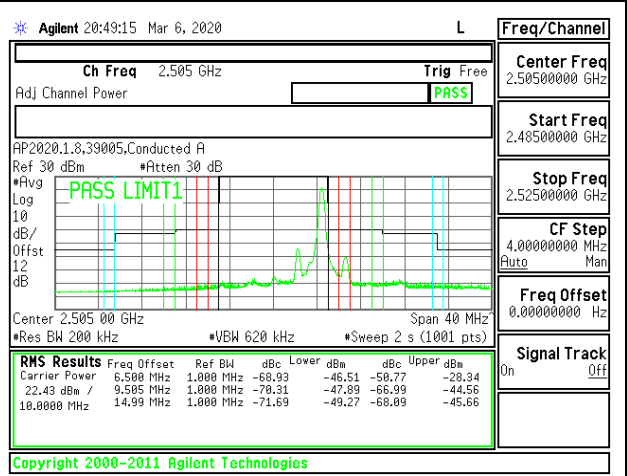
LTE B7 10MHz QPSK Low Channel RB1-0



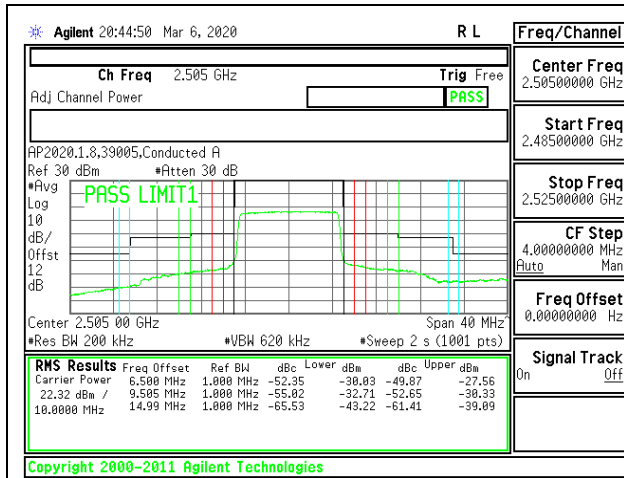
LTE B7 10MHz 16QAM Low Channel RB1-0



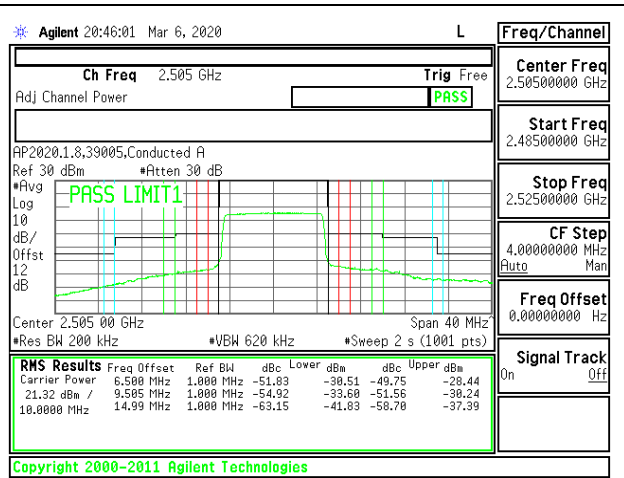
LTE B7 10MHz QPSK Low Channel RB1-49



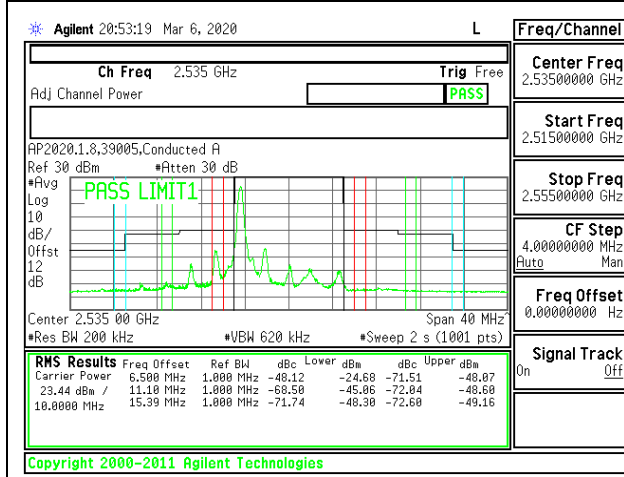
LTE B7 10MHz 16QAM Low Channel RB1-49



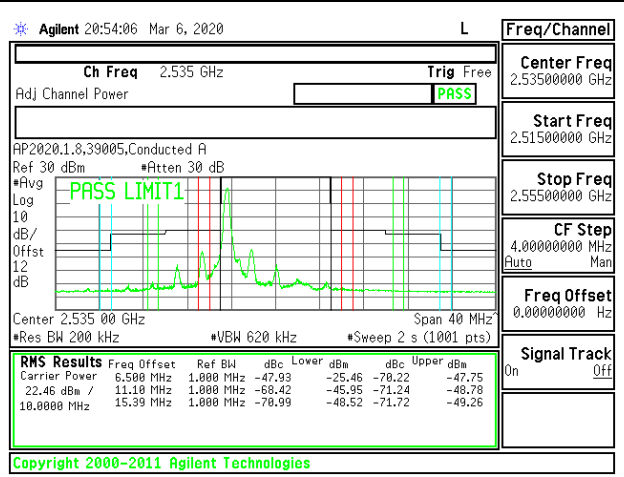
LTE B7 10MHz QPSK Low Channel RB50-0



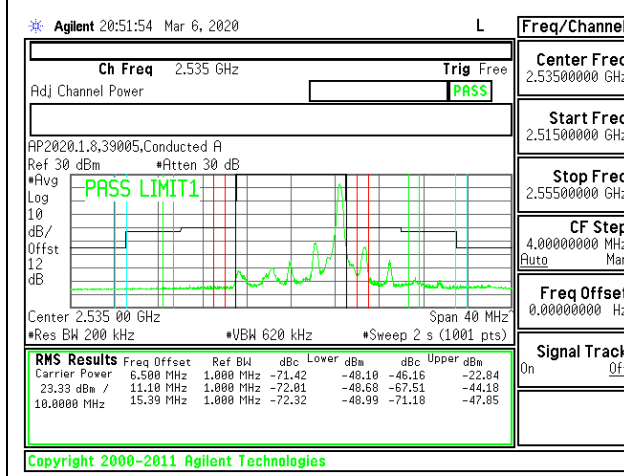
LTE B7 10MHz 16QAM Low Channel RB50-0



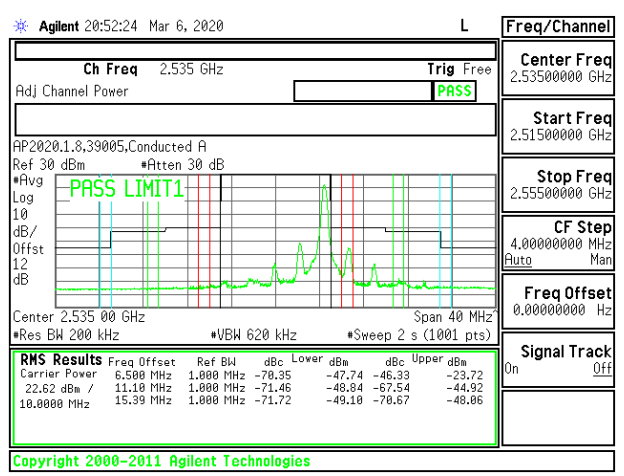
LTE B7 10MHz QPSK Middle Channel RB1-0



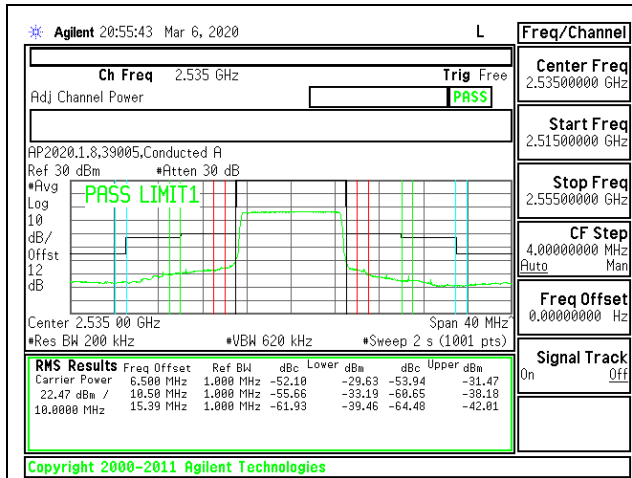
LTE B7 10MHz 16QAM Middle Channel RB1-0



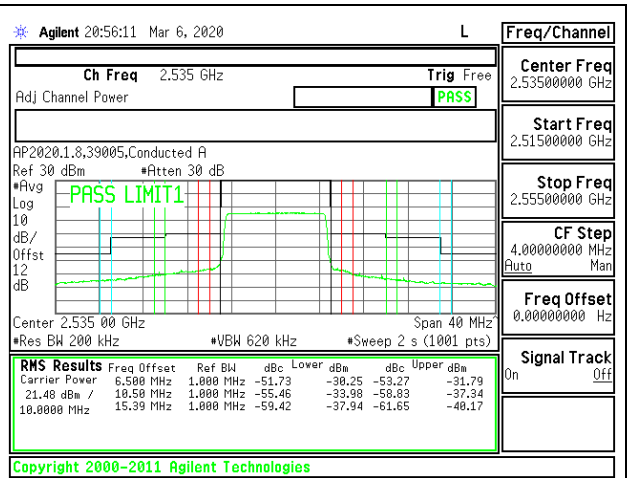
LTE B7 10MHz QPSK Middle Channel RB1-49



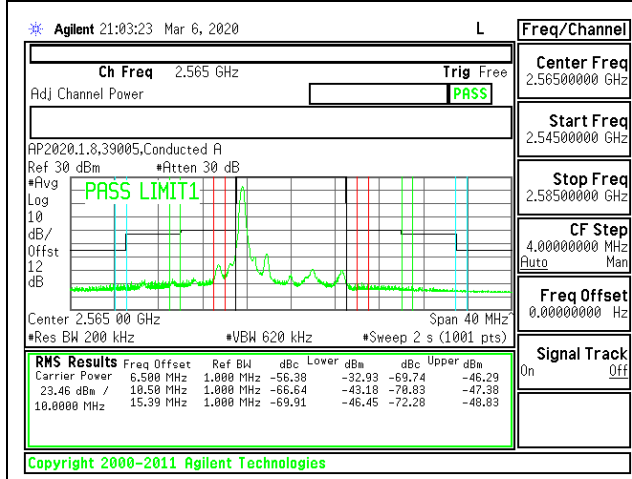
LTE B7 10MHz 16QAM Middle Channel RB1-49



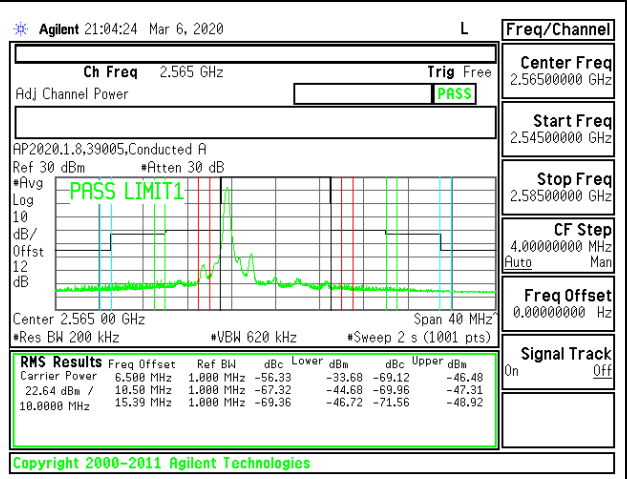
LTE B7 10MHz QPSK Middle Channel RB50-0



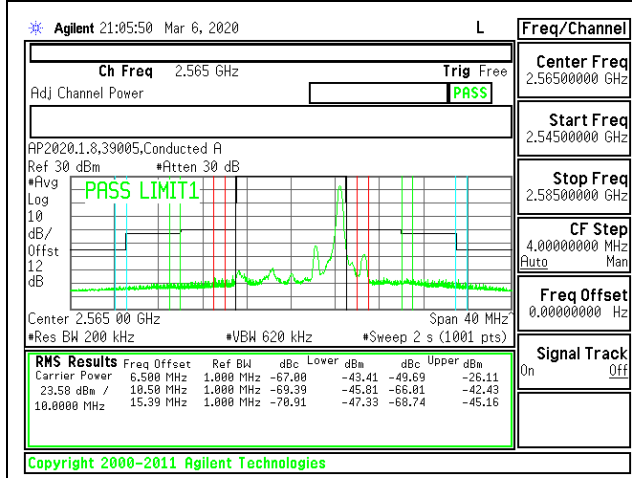
LTE B7 10MHz 16QAM Middle Channel RB50-0



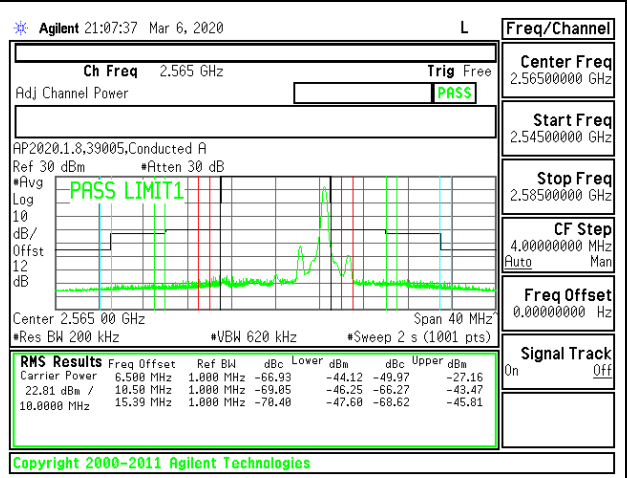
LTE B7 10MHz QPSK High Channel RB1-0



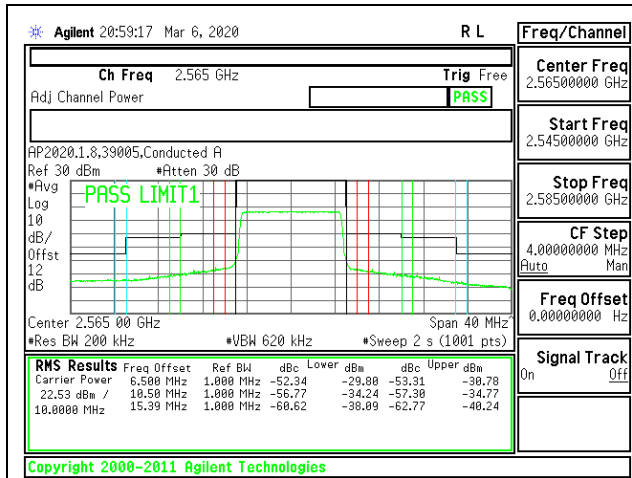
LTE B7 10MHz 16QAM High Channel RB1-0



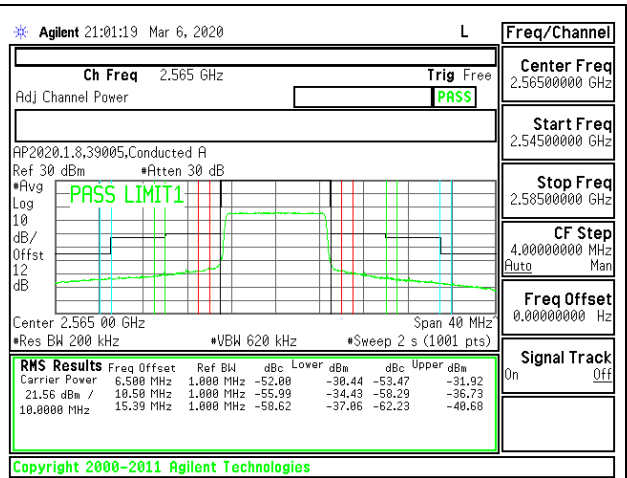
LTE B7 10MHz QPSK High Channel RB1-49



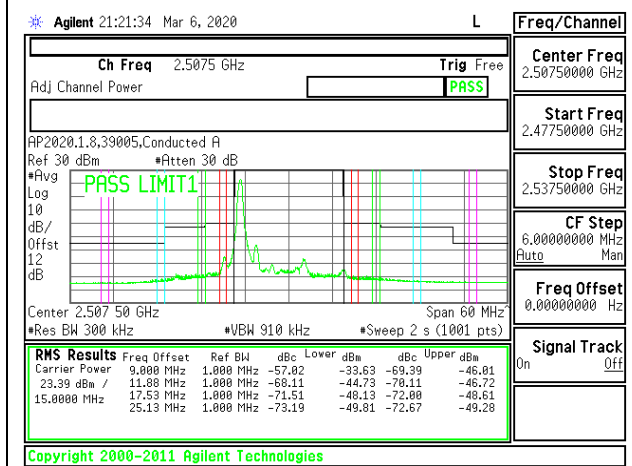
LTE B7 10MHz 16QAM High Channel RB1-49



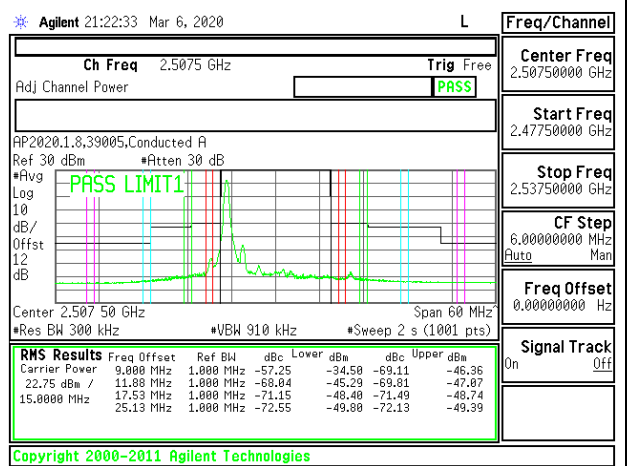
LTE B7 10MHz QPSK High Channel RB50-0



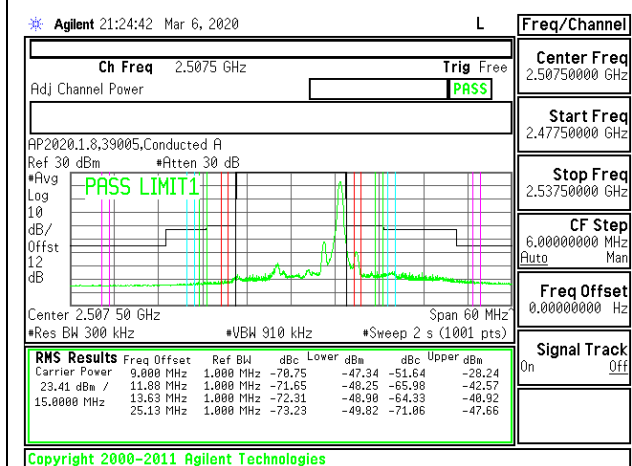
LTE B7 10MHz 16QAM High Channel RB50-0



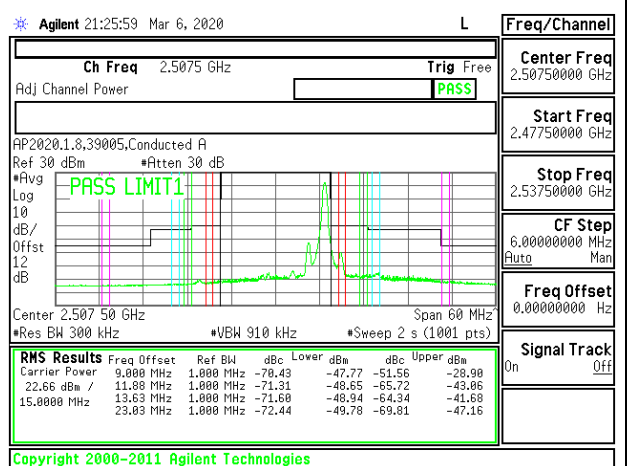
LTE B7 15MHz QPSK Low Channel RB1-0



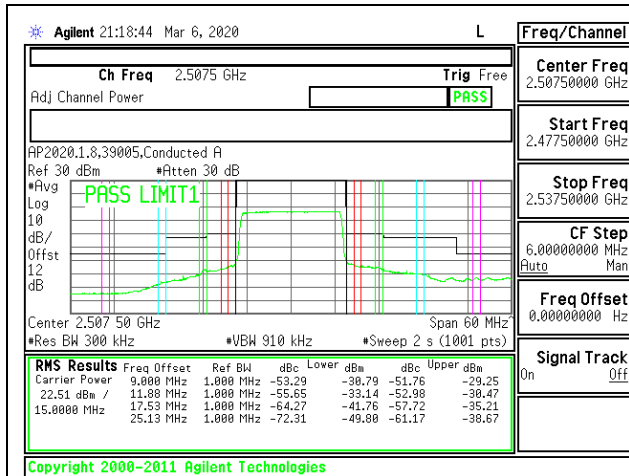
LTE B7 15MHz 16QAM Low Channel RB1-0



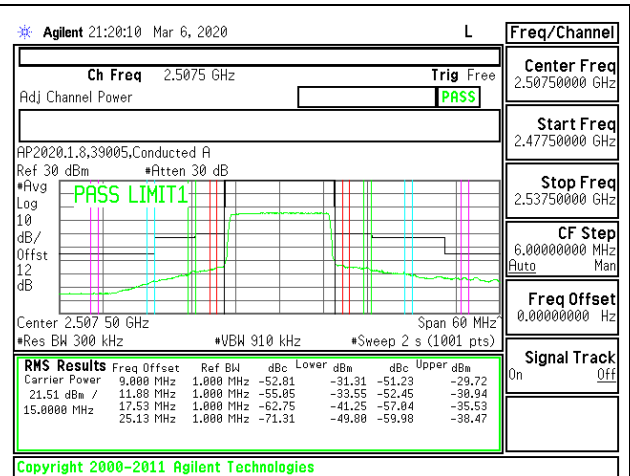
LTE B7 15MHz QPSK Low Channel RB1-74



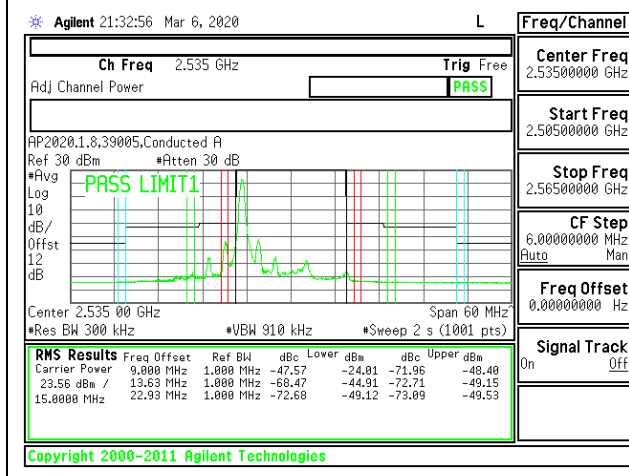
LTE B7 15MHz 16QAM Low Channel RB1-74



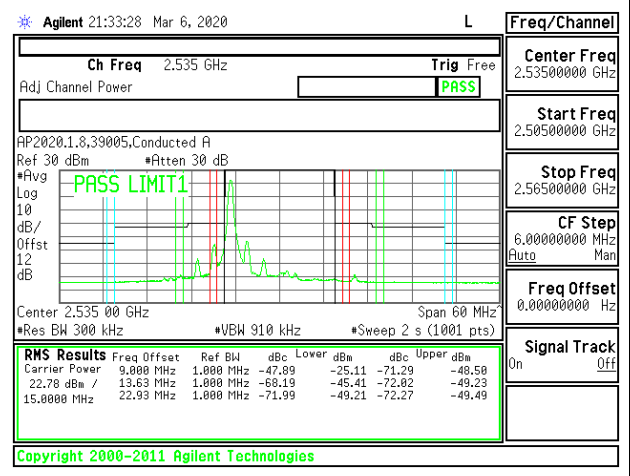
LTE B7 15MHz QPSK Low Channel RB75-0



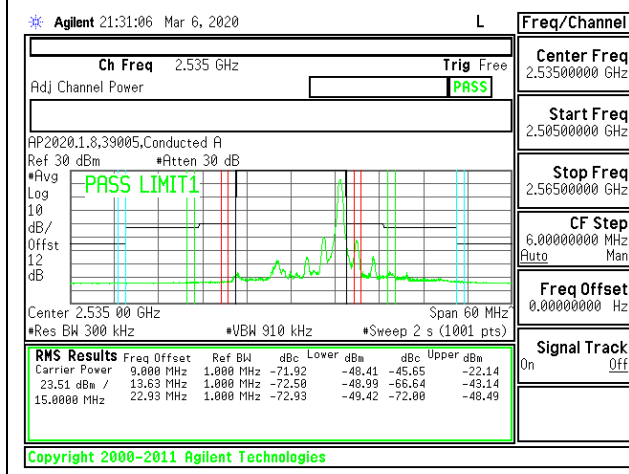
LTE B7 15MHz 16QAM Low Channel RB75-0



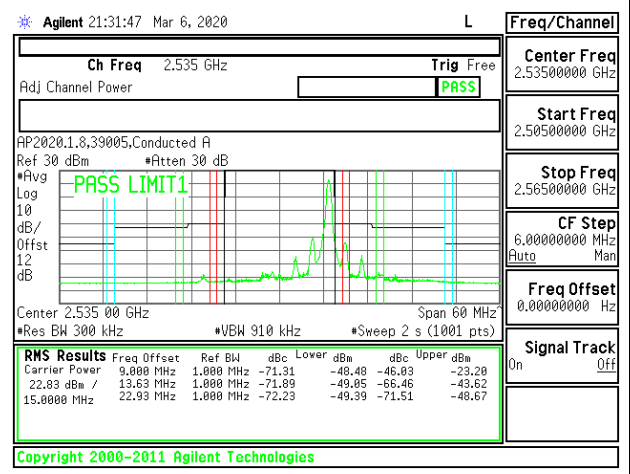
LTE B7 15MHz QPSK Middle Channel RB1-0



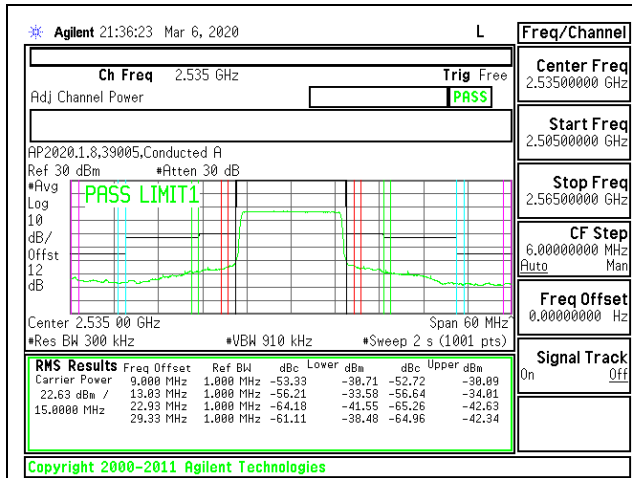
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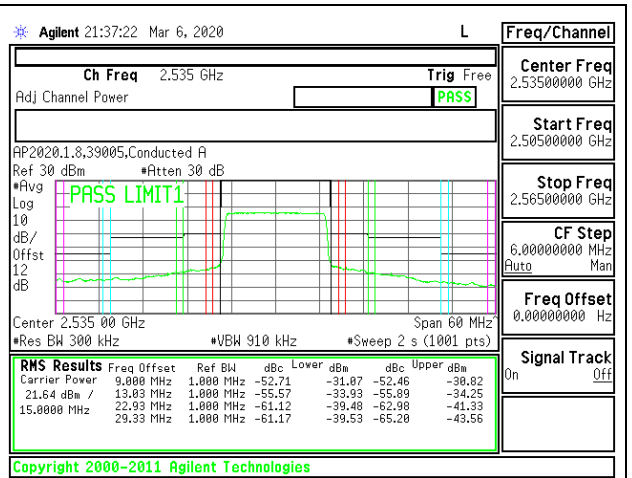
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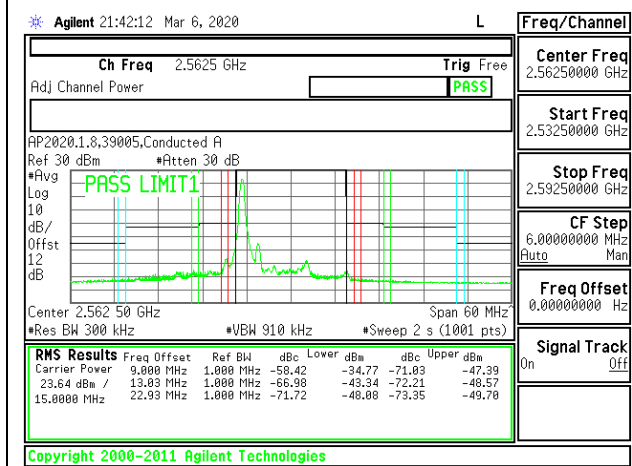
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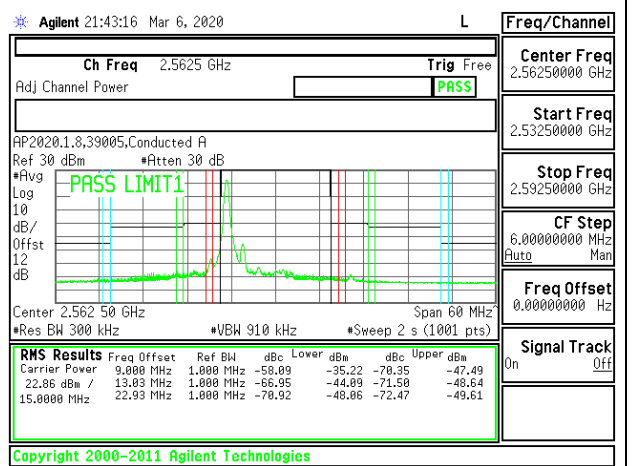
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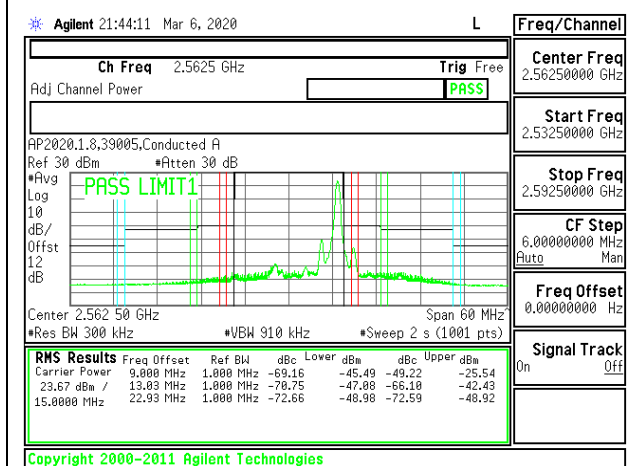
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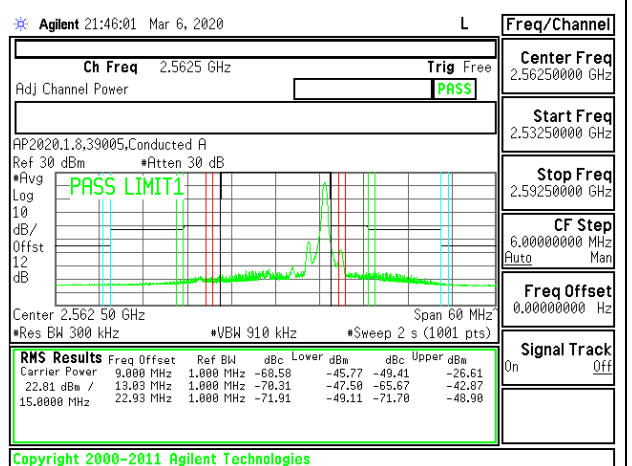
LTE B7 15MHz QPSK High Channel RB1-0



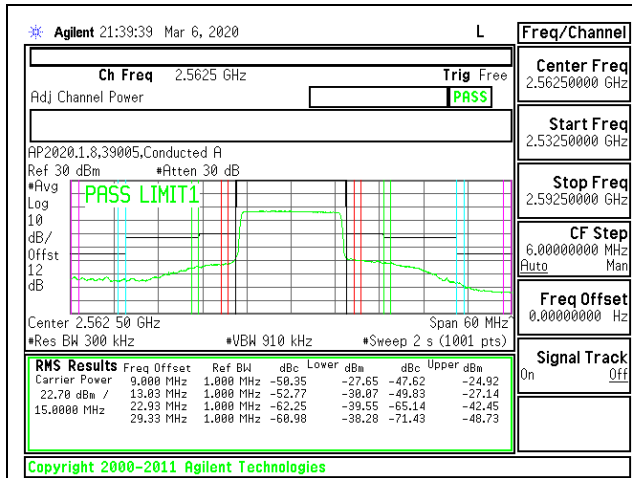
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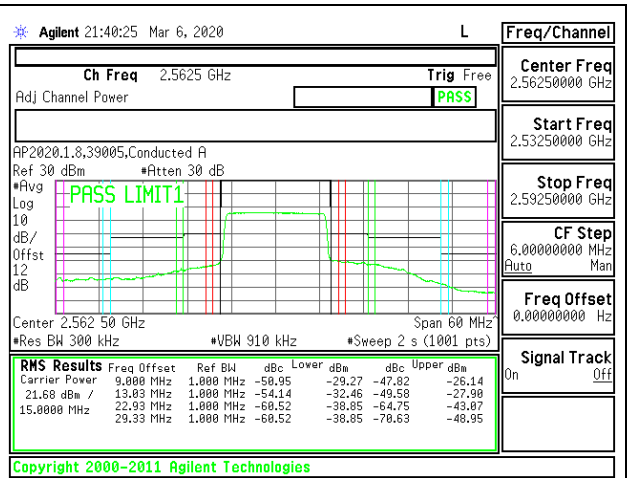
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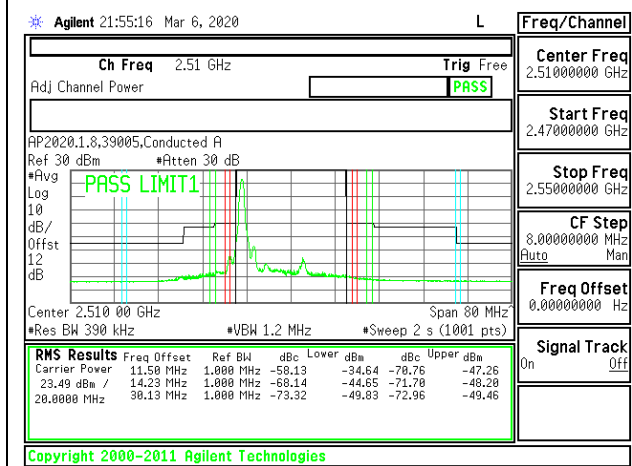
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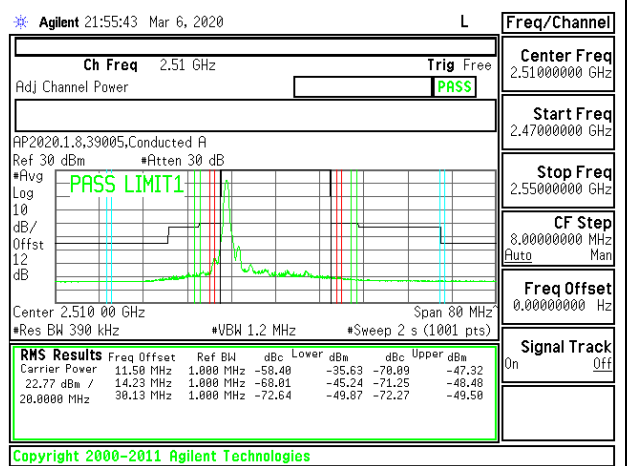
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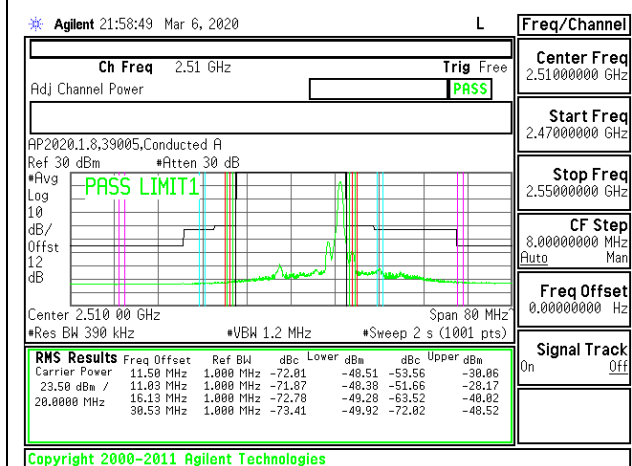
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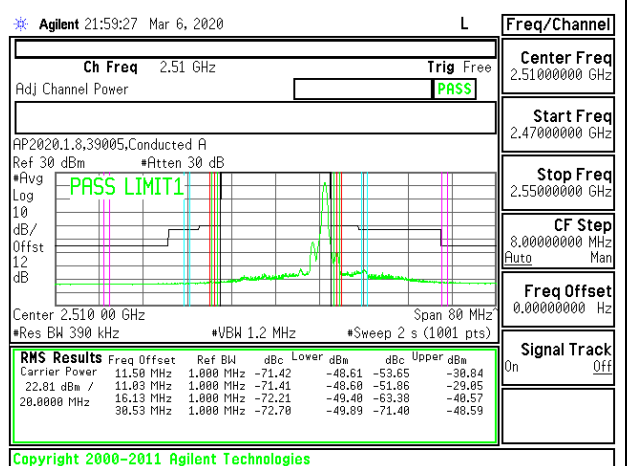
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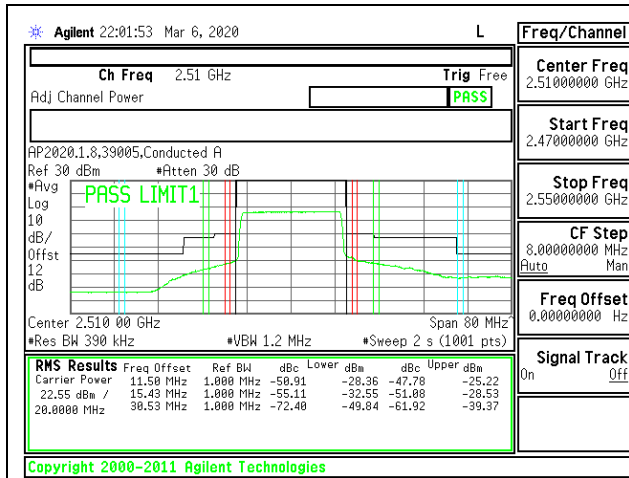
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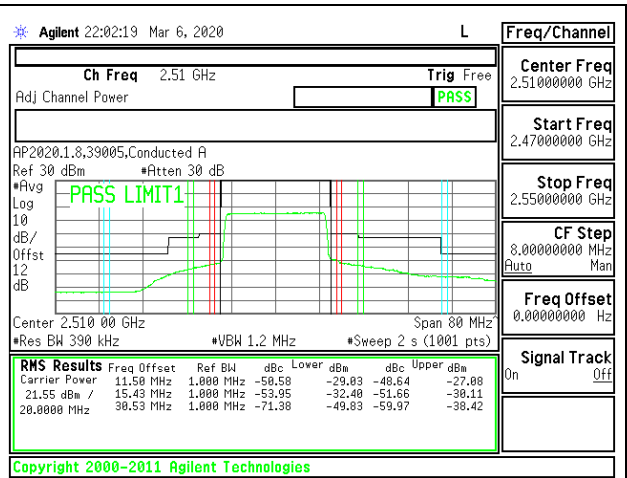
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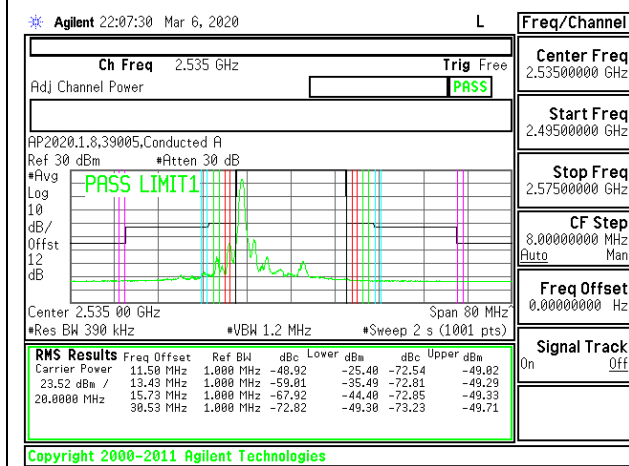
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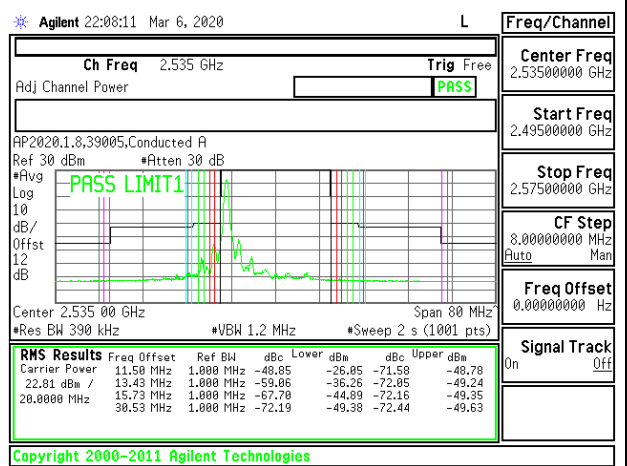
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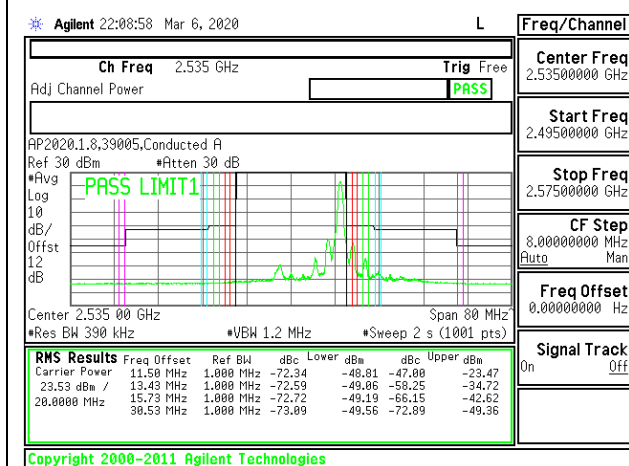
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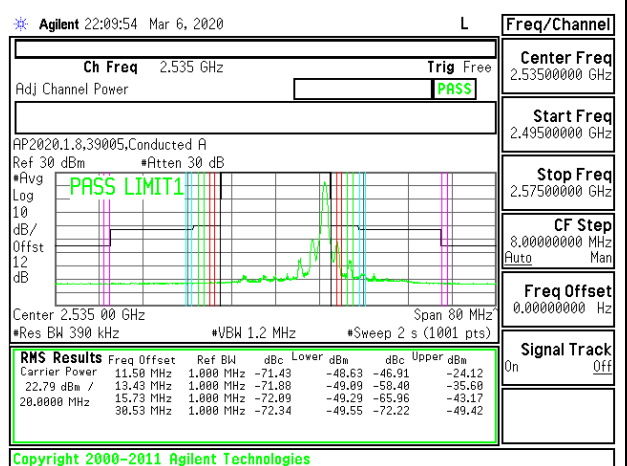
LTE B7 20MHz QPSK Middle Channel RB1-0



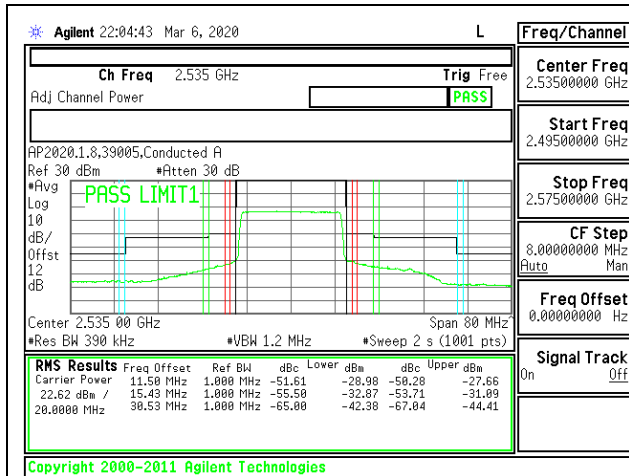
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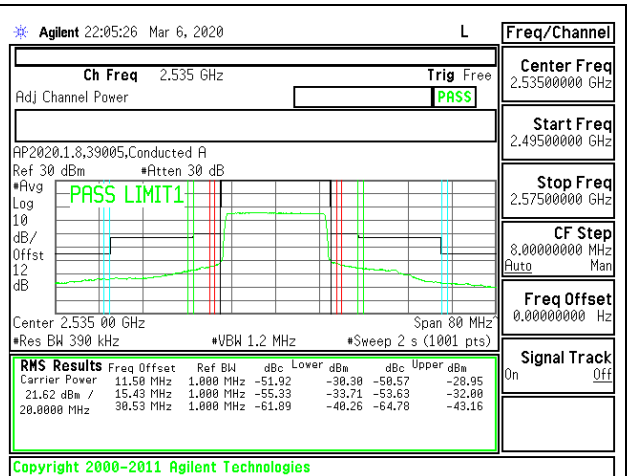
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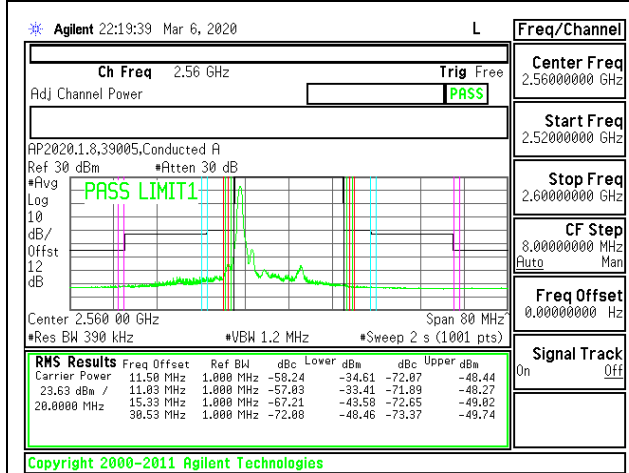
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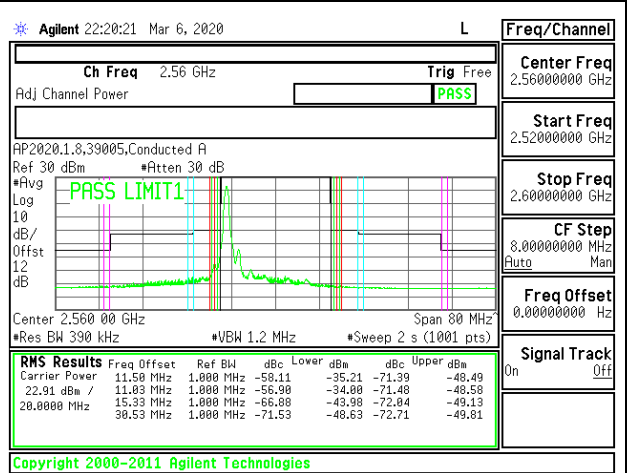
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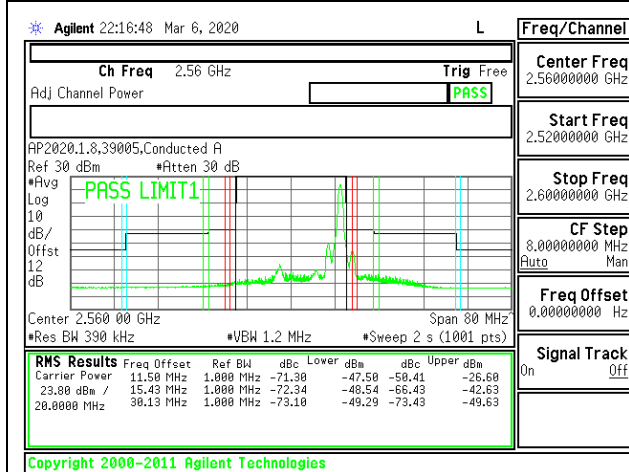
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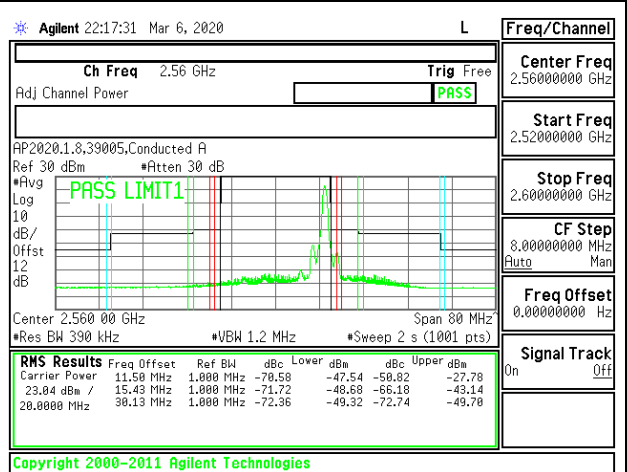
LTE B7 20MHz QPSK High Channel RB1-0



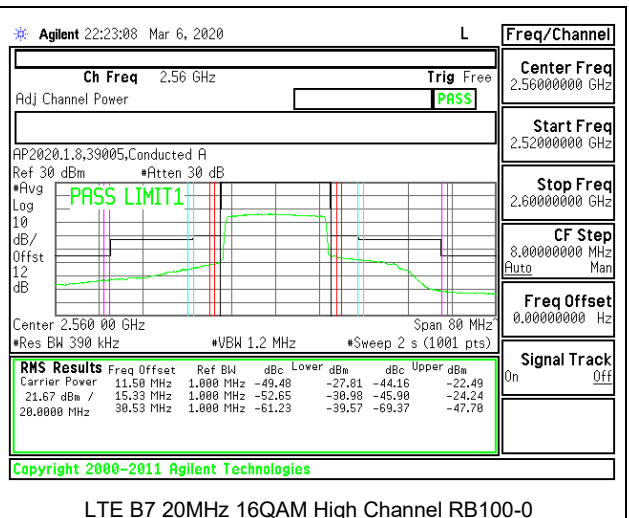
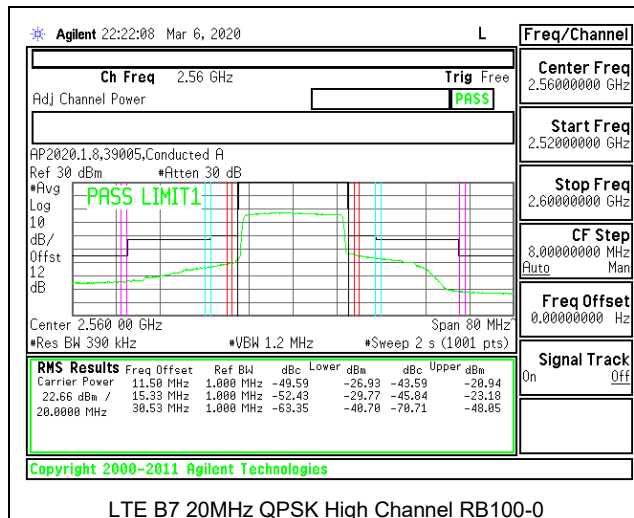
LTE B7 20MHz 16QAM High Channel RB1-0



LTE B7 20MHz QPSK High Channel RB1-99



LTE B7 20MHz 16QAM High Channel RB1-99

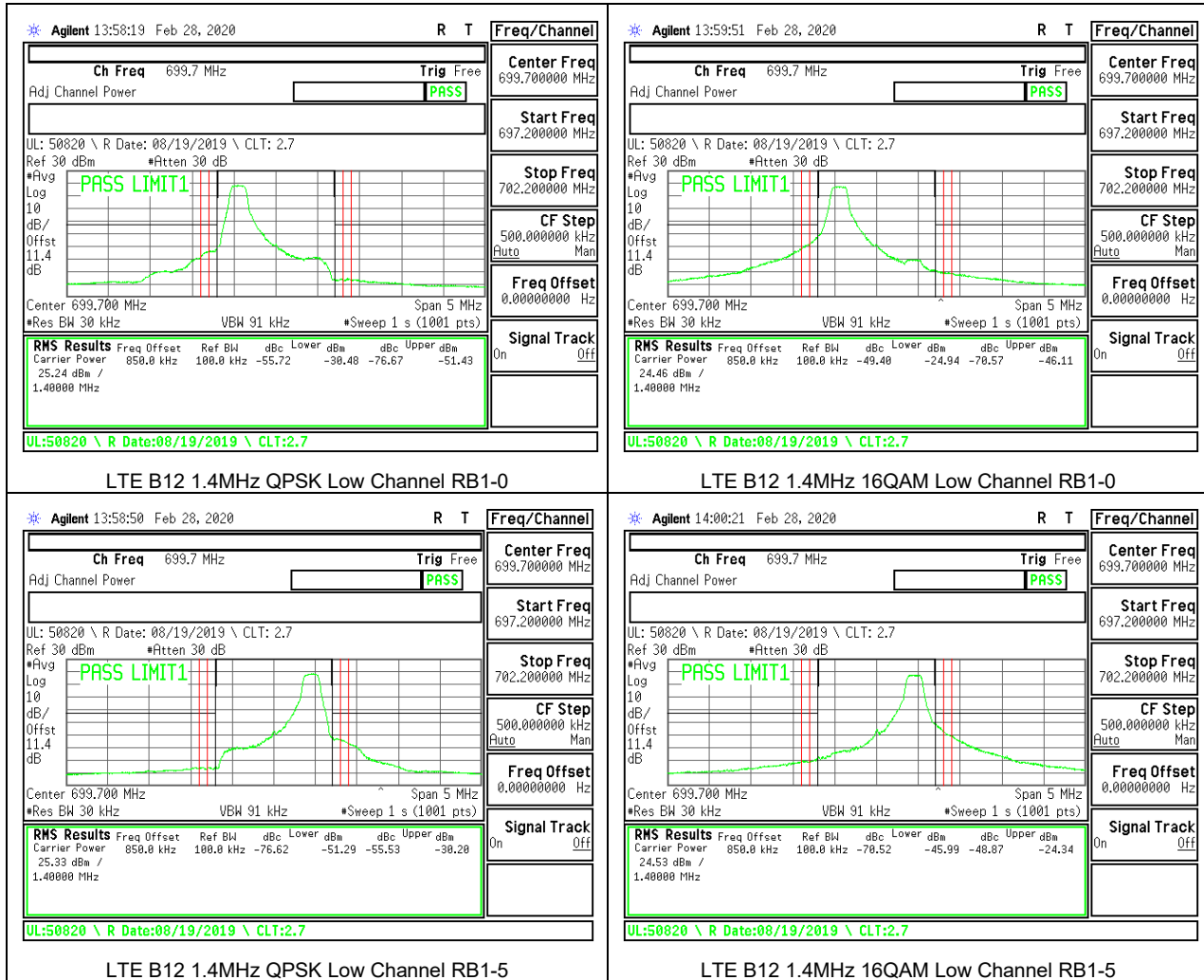


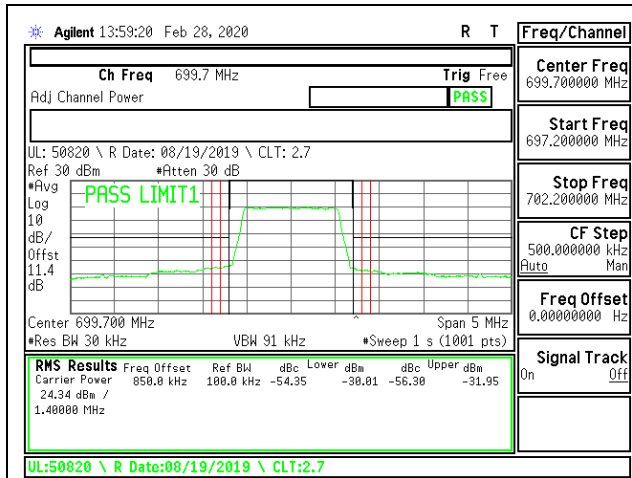
8.2.5. LTE BAND 12 ADJACENT CHANNEL POWER

LIMITS

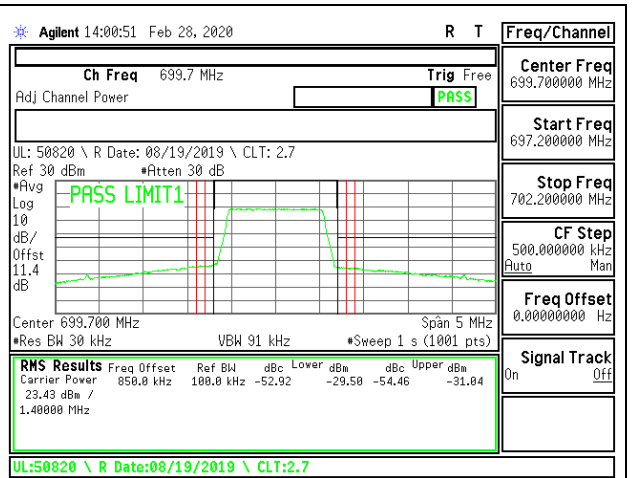
FCC: §27.53

(g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

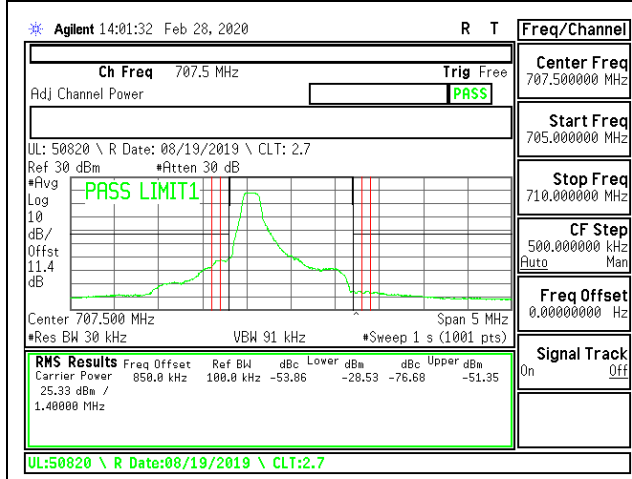




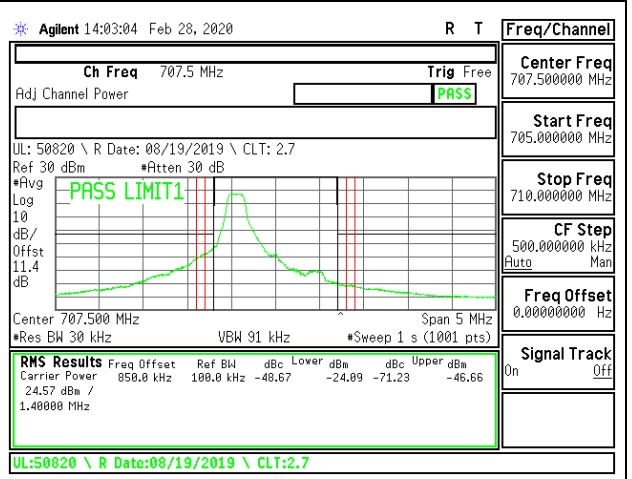
LTE B12 1.4MHz QPSK Low Channel RB6-0



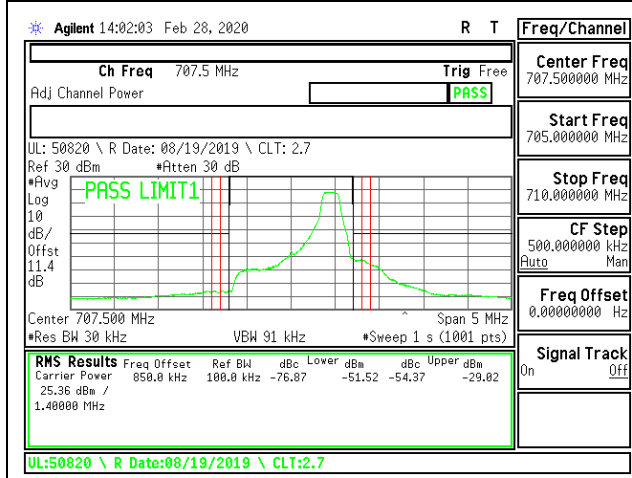
LTE B12 1.4MHz 16QAM Low Channel RB6-0



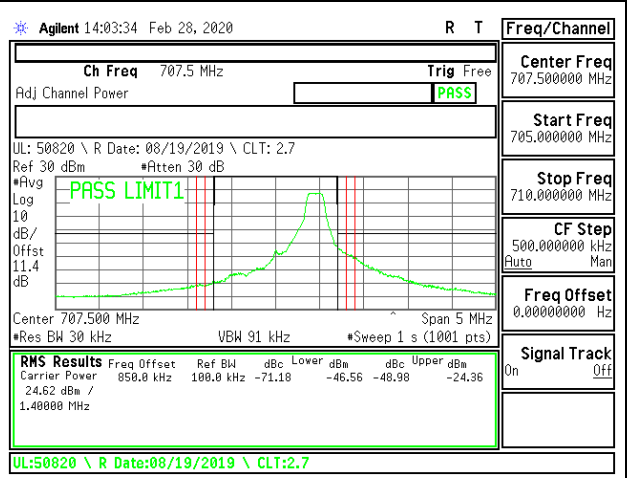
LTE B12 1.4MHz QPSK Middle Channel RB1-0



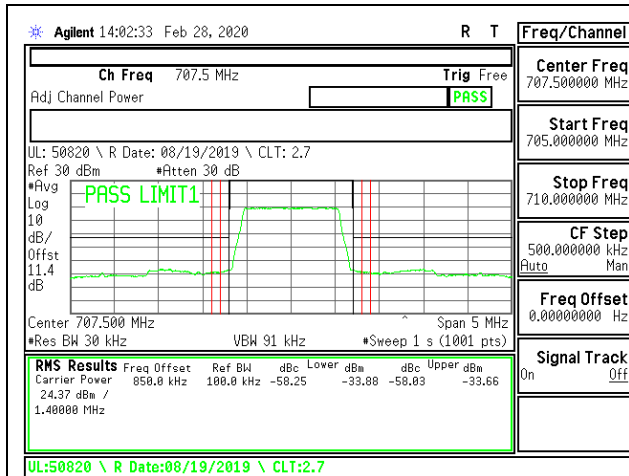
LTE B12 1.4MHz 16QAM Middle Channel RB1-0



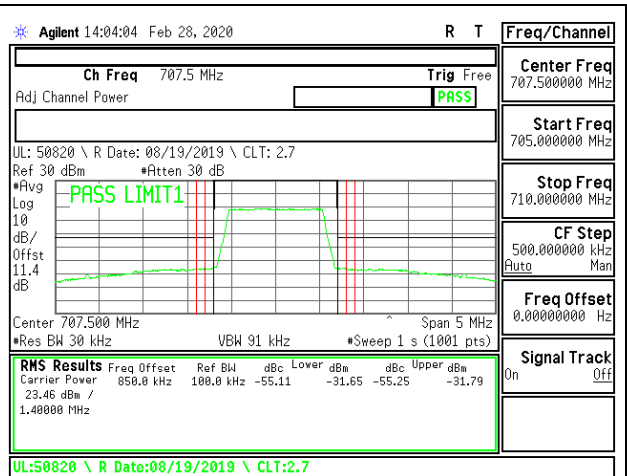
LTE B12 1.4MHz QPSK Middle Channel RB1-5



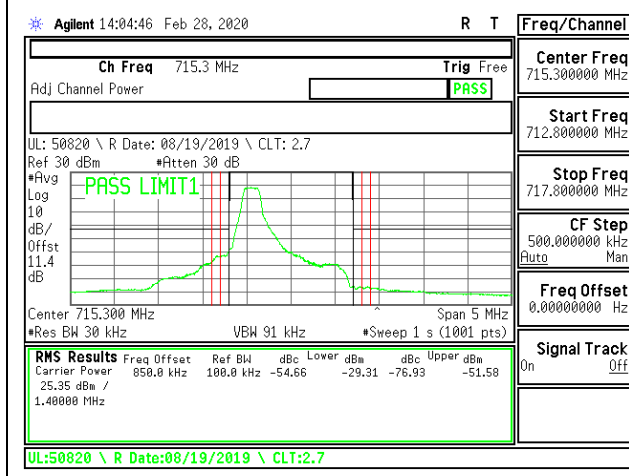
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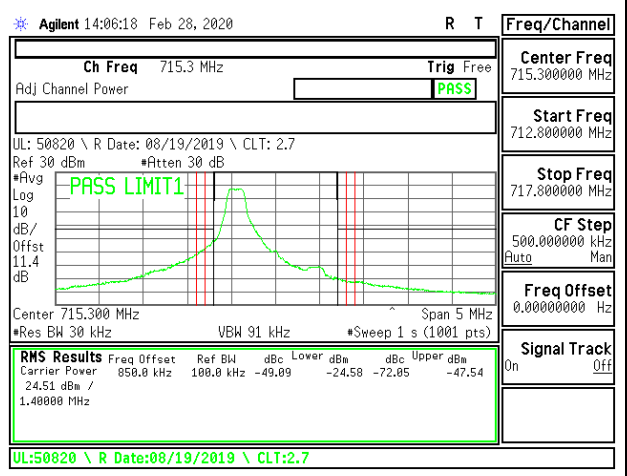
LTE B12 1.4MHz QPSK Middle Channel RB6-0



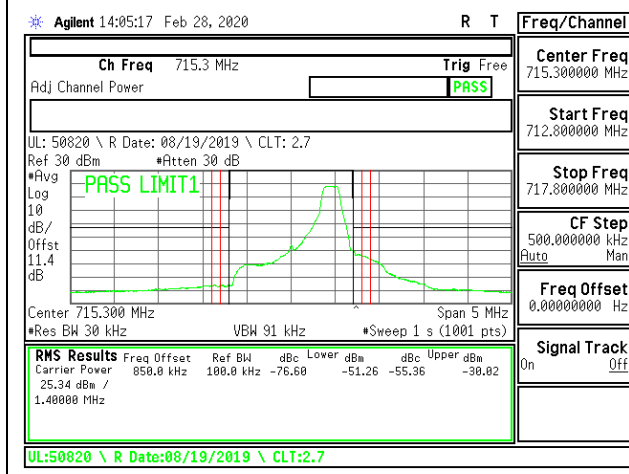
LTE B12 1.4MHz 16QAM Middle Channel RB6-0



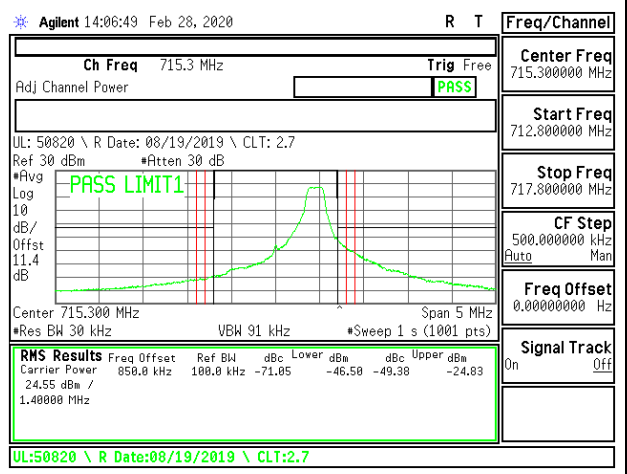
LTE B12 1.4MHz QPSK High Channel RB1-0



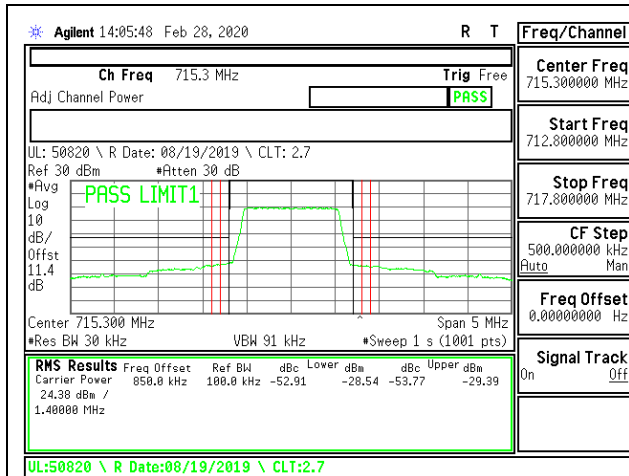
LTE B12 1.4MHz 16QAM High Channel RB1-0



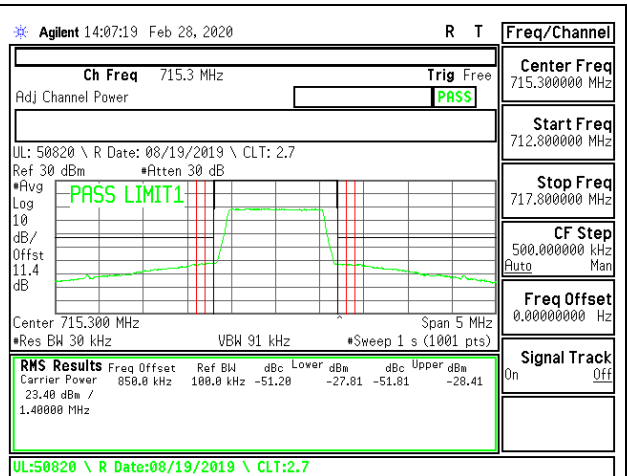
LTE B12 1.4MHz QPSK High Channel RB1-5



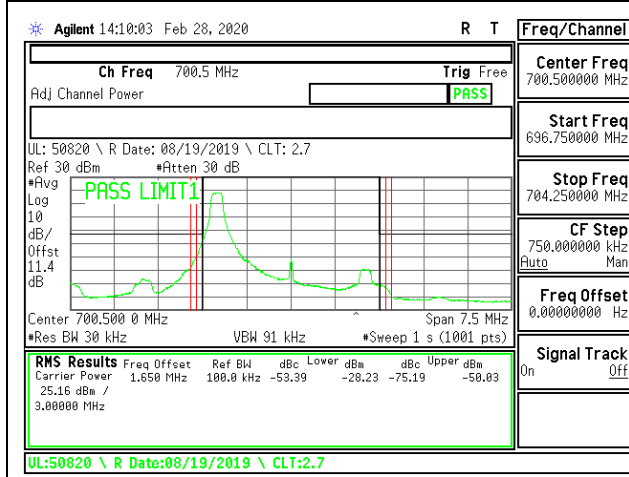
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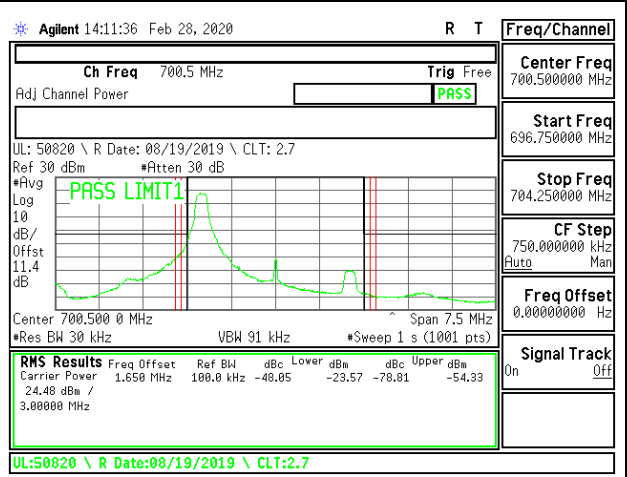
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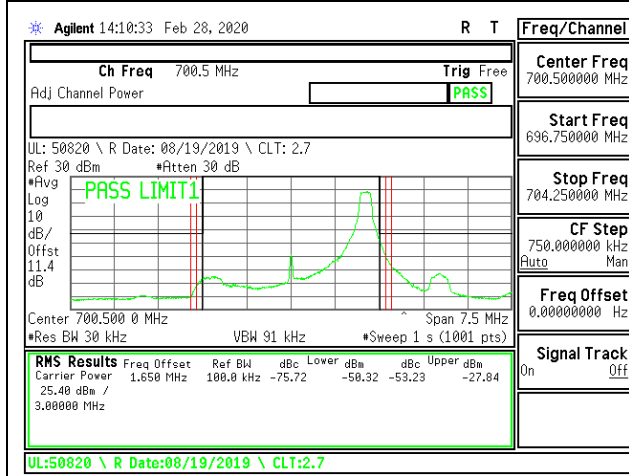
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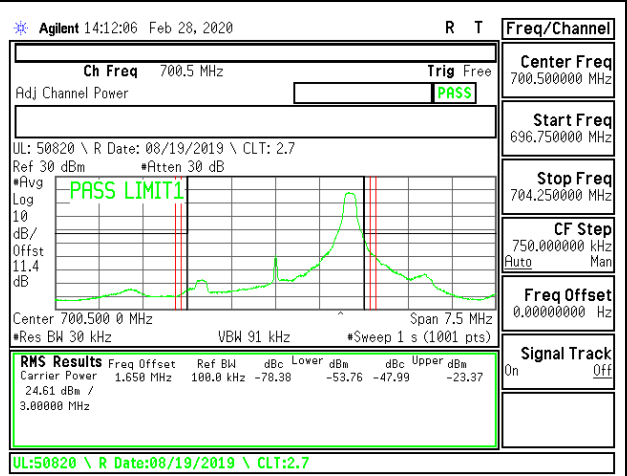
LTE B12 3MHz QPSK Low Channel RB1-0



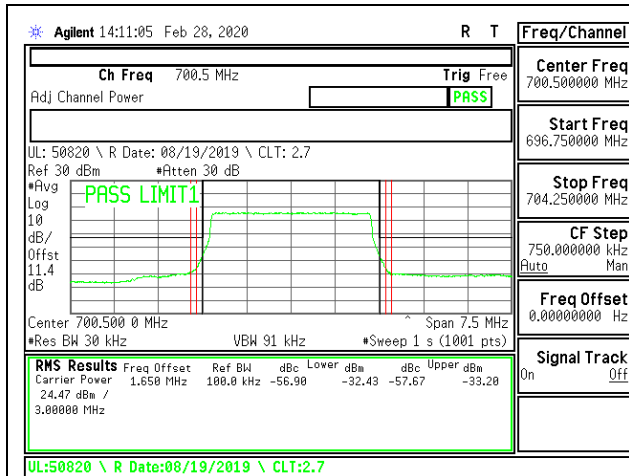
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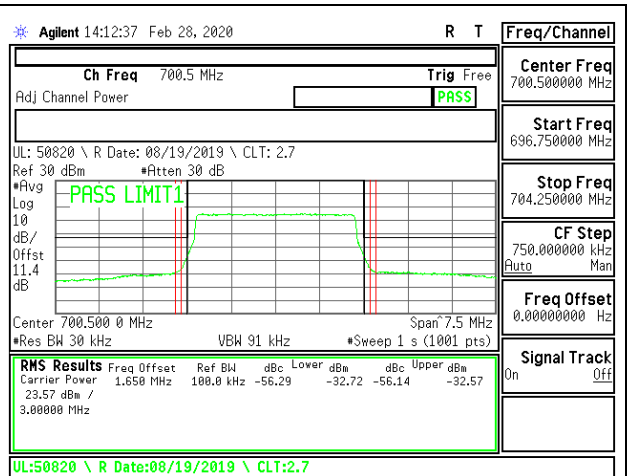
LTE B12 3MHz QPSK Low Channel RB1-14



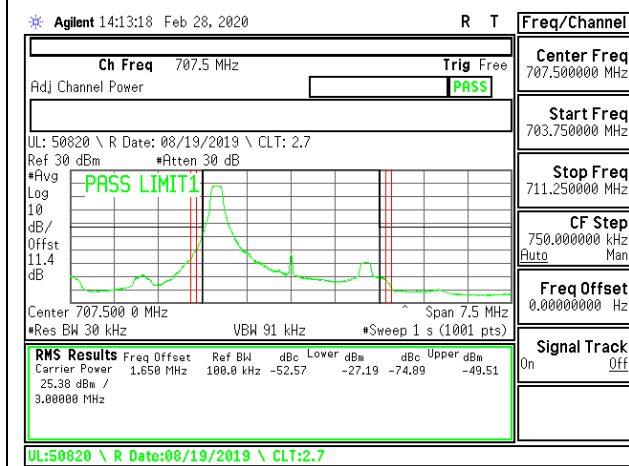
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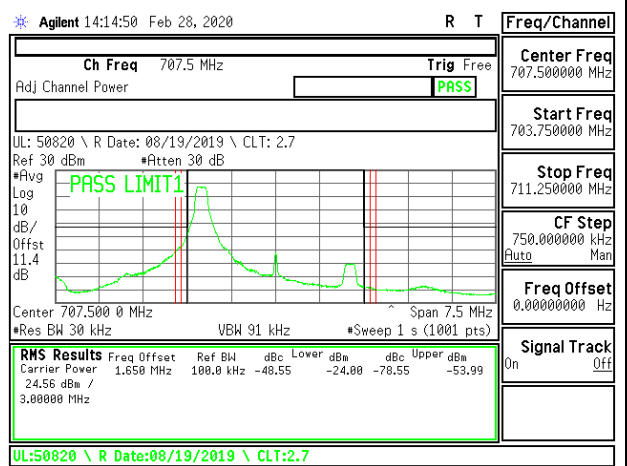
LTE B12 3MHz QPSK Low Channel RB15-0



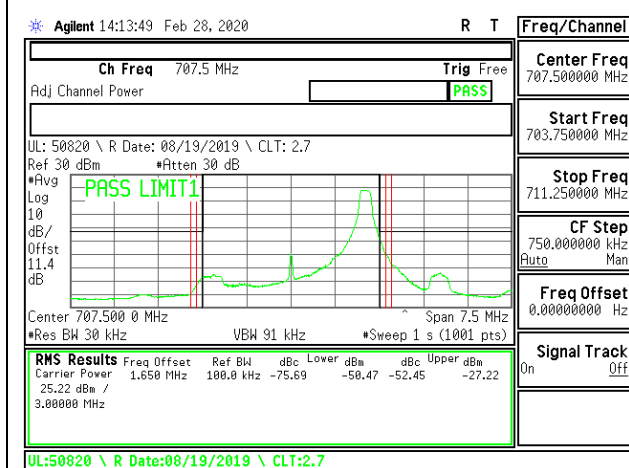
LTE B12 3MHz 16QAM Low Channel RB15-0



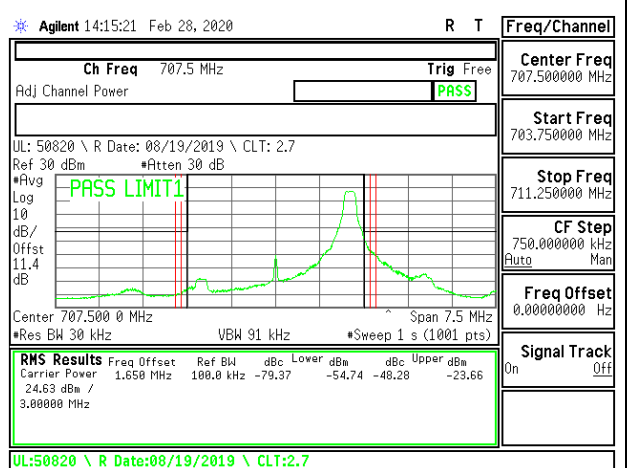
LTE B12 3MHz QPSK Middle Channel RB1-0



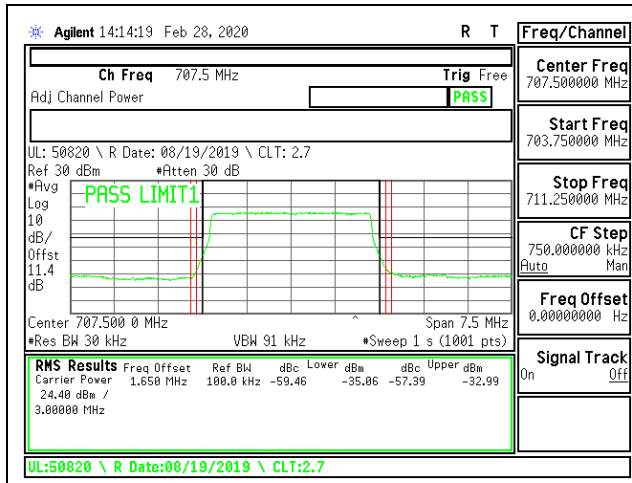
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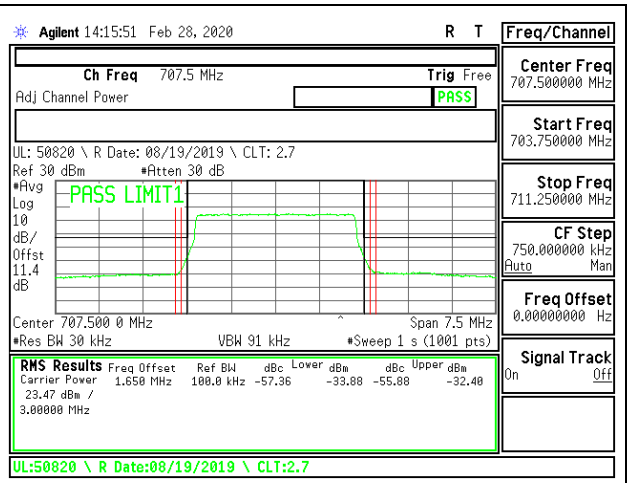
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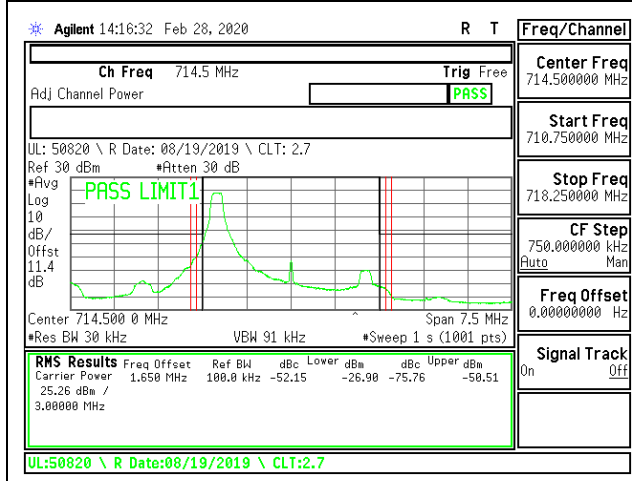
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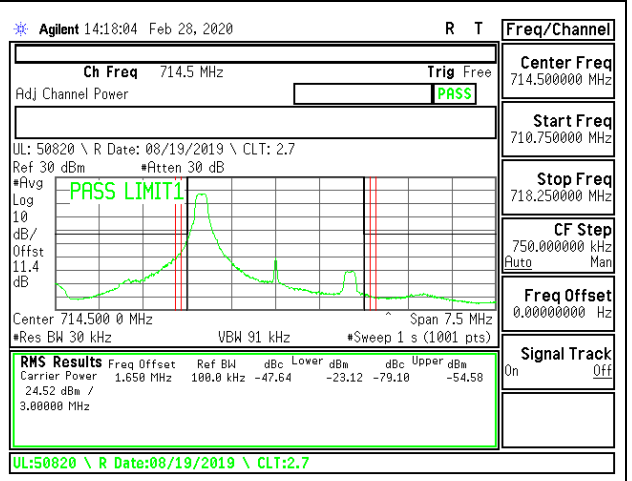
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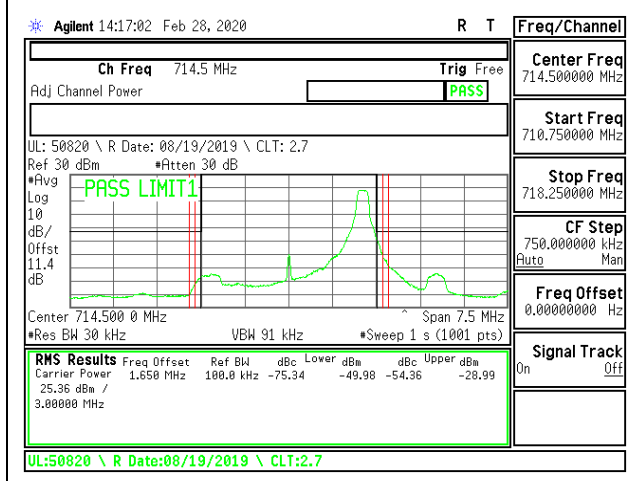
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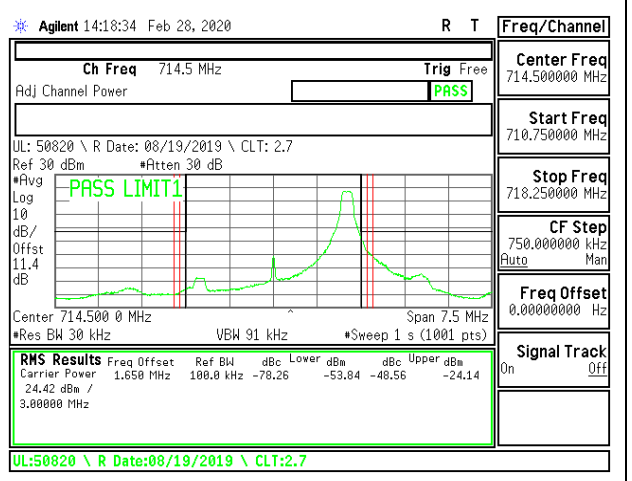
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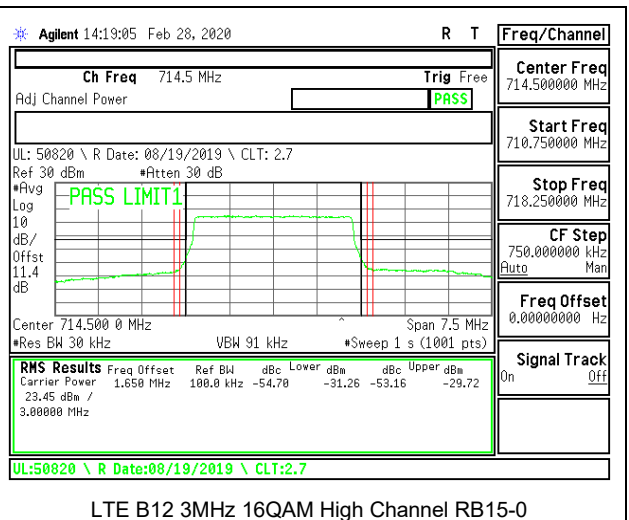
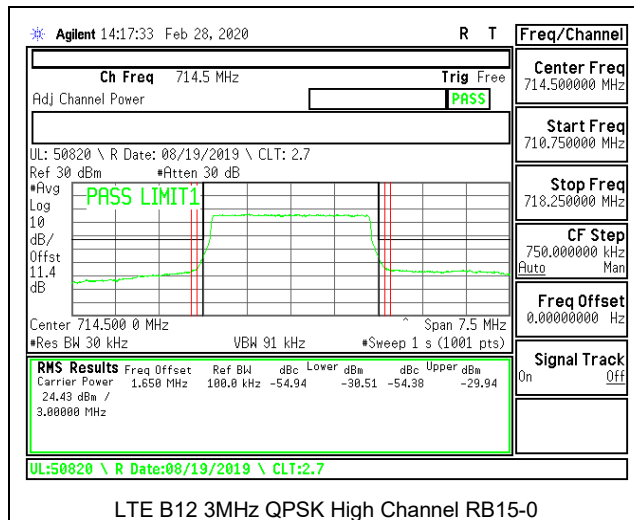
LTE B12 3MHz 16QAM High Channel RB1-0

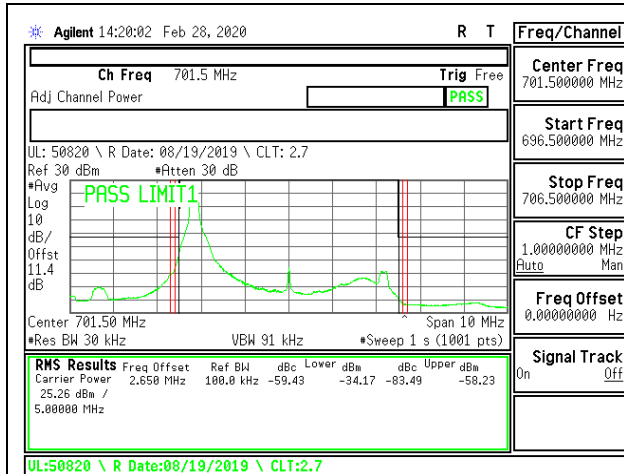


LTE B12 3MHz QPSK High Channel RB1-14

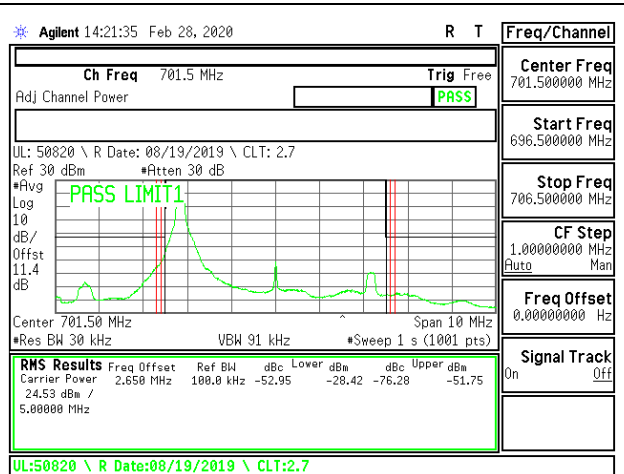


LTE B12 3MHz 16QAM High Channel RB1-14

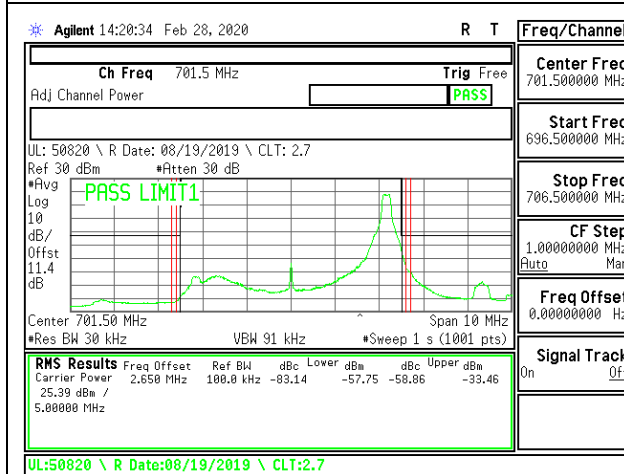




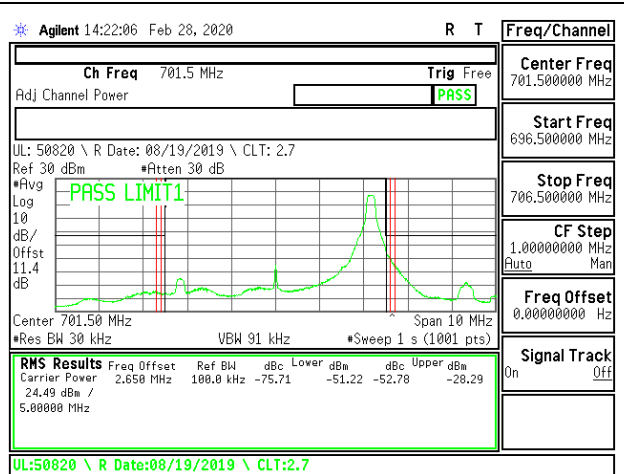
LTE B12 5MHz QPSK Low Channel RB1-0



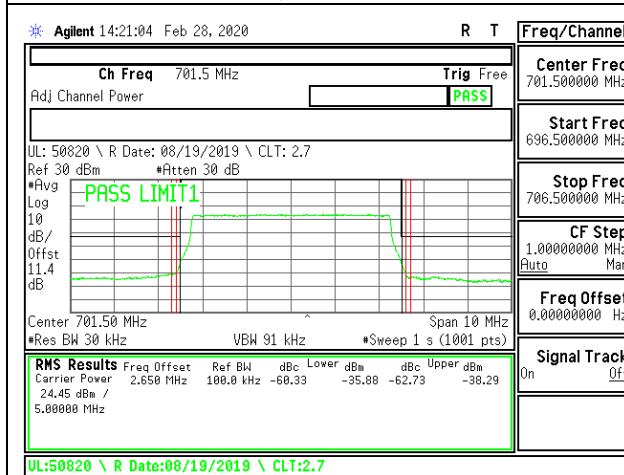
LTE B12 5MHz 16QAM Low Channel RB1-0



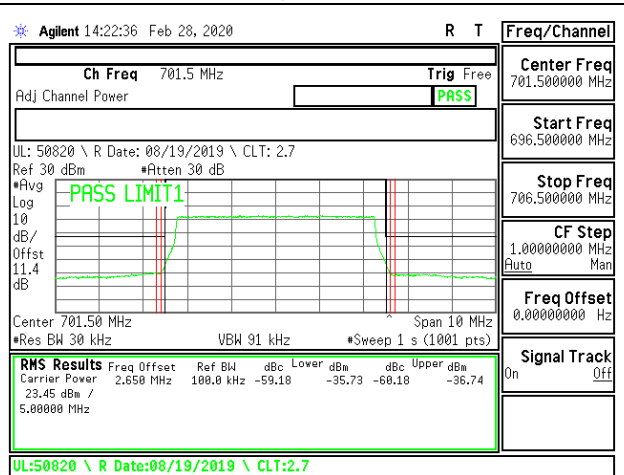
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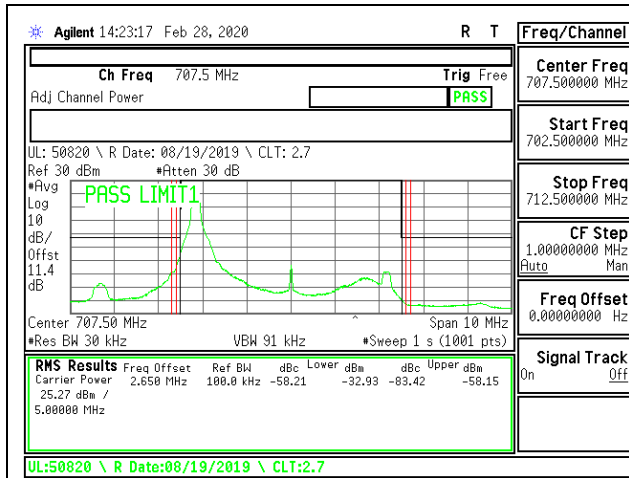
LTE B12 5MHz 16QAM Low Channel RB1-24



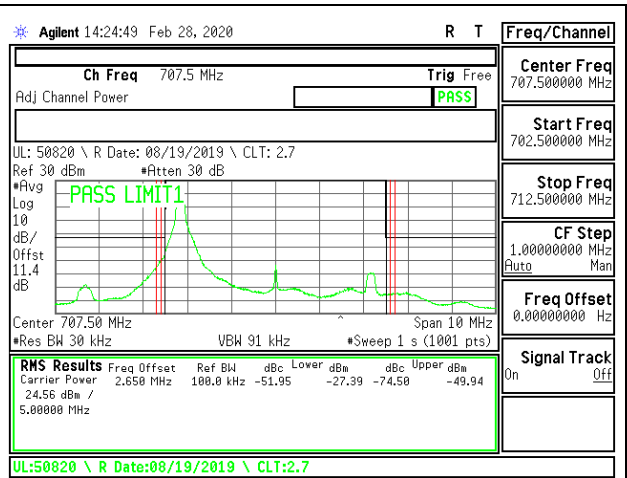
LTE B12 5MHz QPSK Low Channel RB25-0



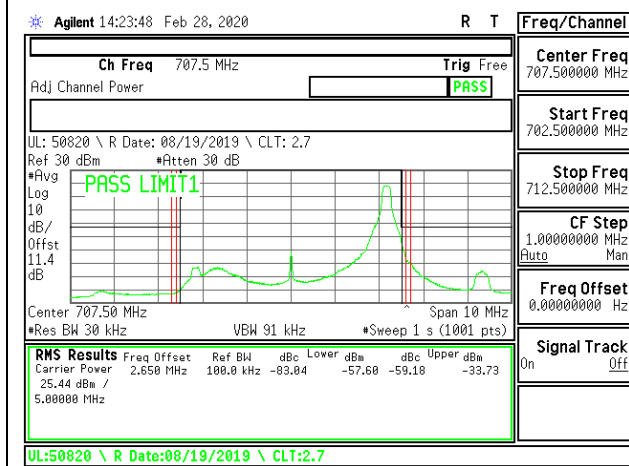
LTE B12 5MHz 16QAM Low Channel RB25-0



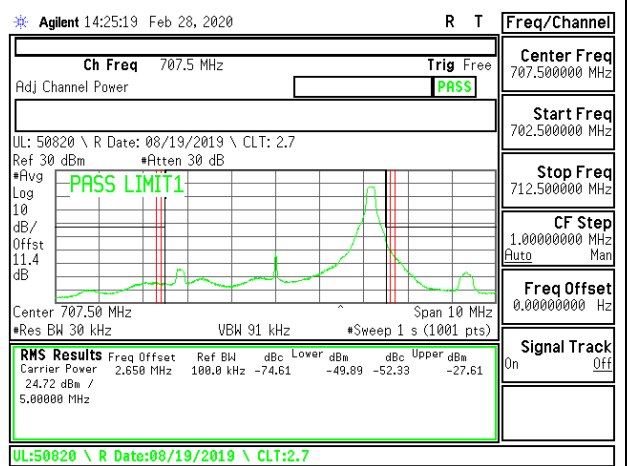
LTE B12 5MHz QPSK Middle Channel RB1-0



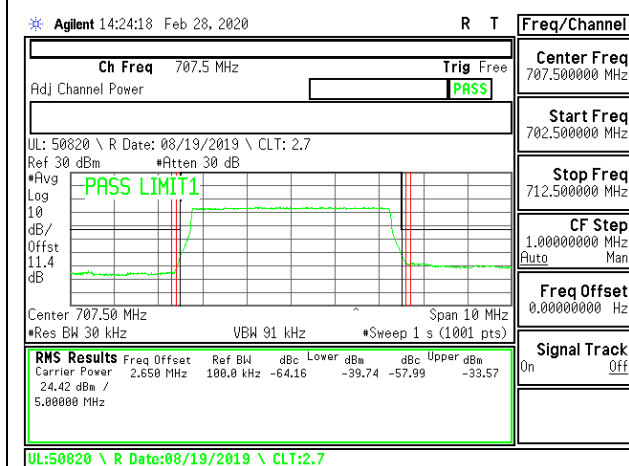
LTE B12 5MHz 16QAM Middle Channel RB1-0



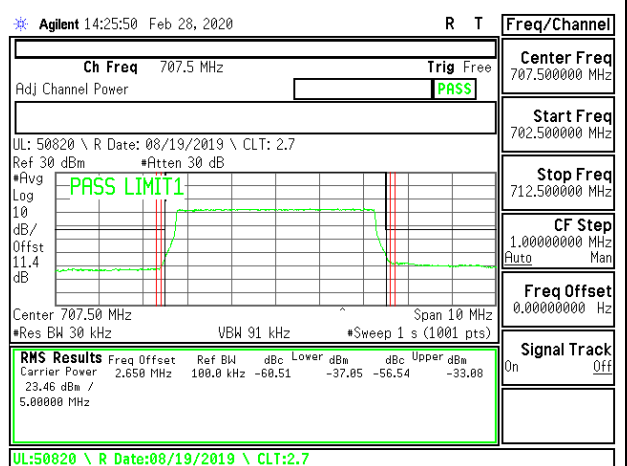
LTE B12 5MHz QPSK Middle Channel RB1-24



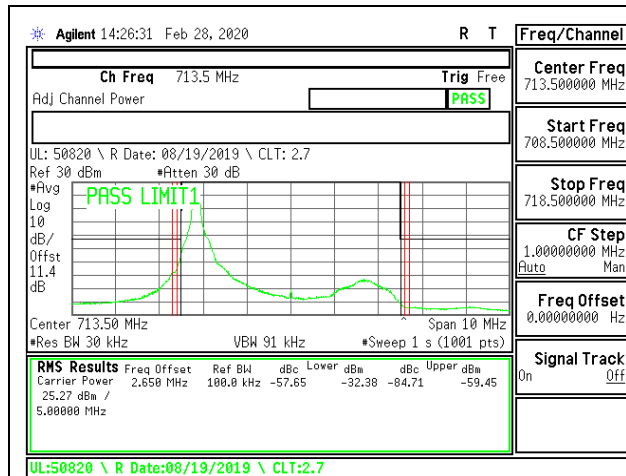
LTE B12 5MHz 16QAM Middle Channel RB1-24



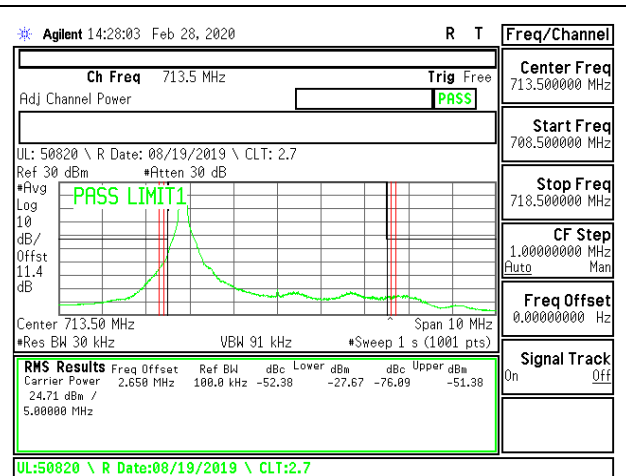
LTE B12 5MHz QPSK Middle Channel RB25-0



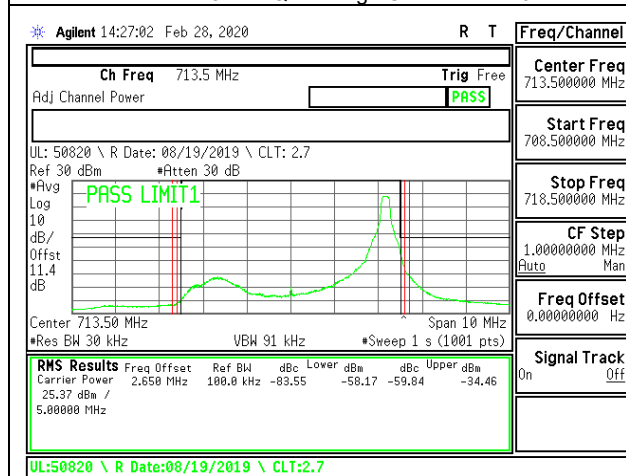
LTE B12 5MHz 16QAM Middle Channel RB25-0



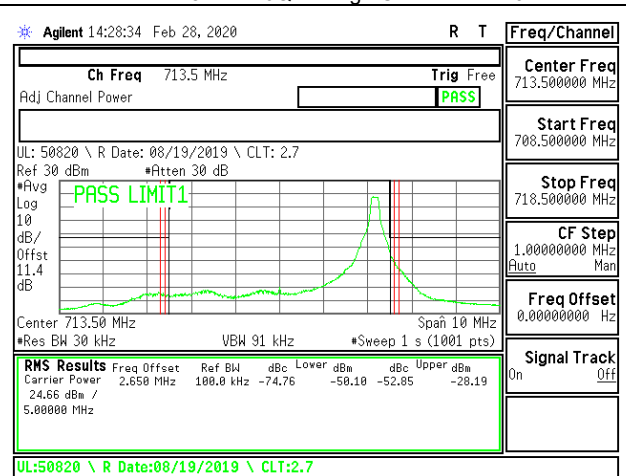
LTE B12 5MHz QPSK High Channel RB1-0



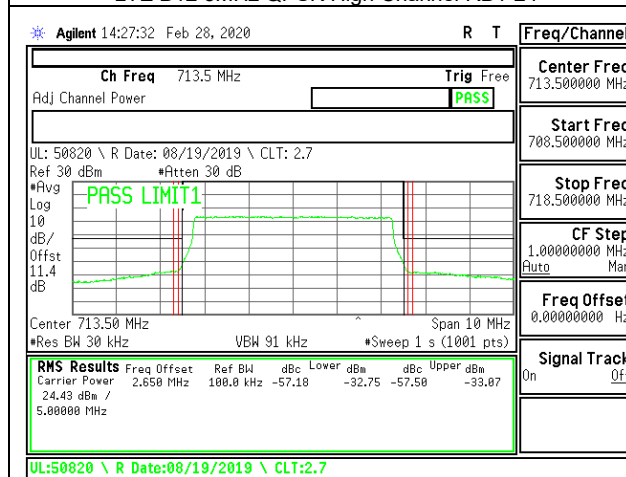
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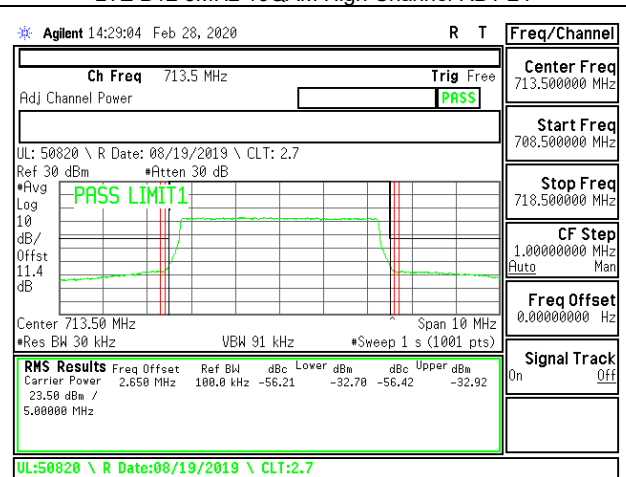
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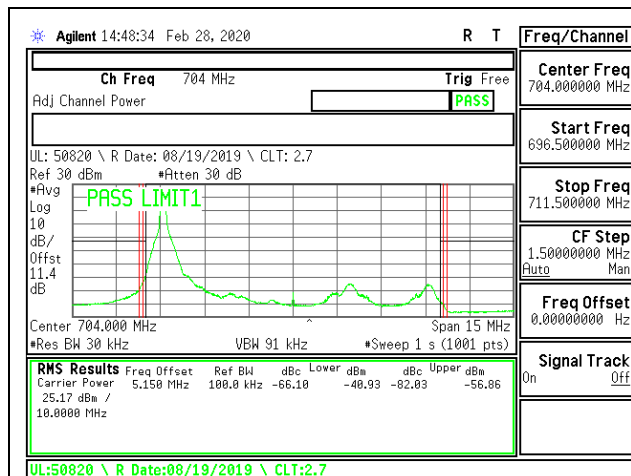
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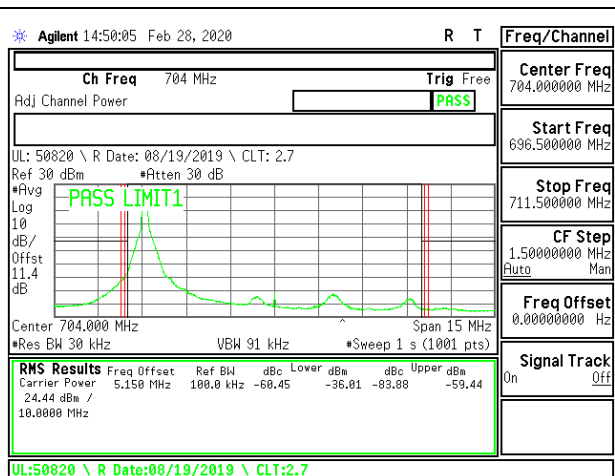
LTE B12 5MHz QPSK High Channel RB25-0



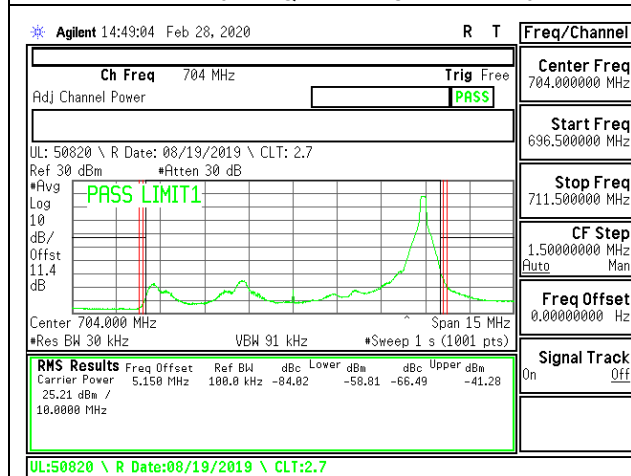
LTE B12 5MHz 16QAM High Channel RB25-0



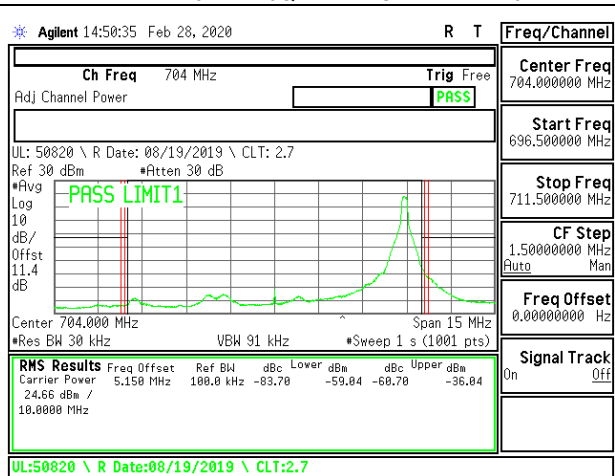
LTE B12 10MHz QPSK Low Channel RB1-0



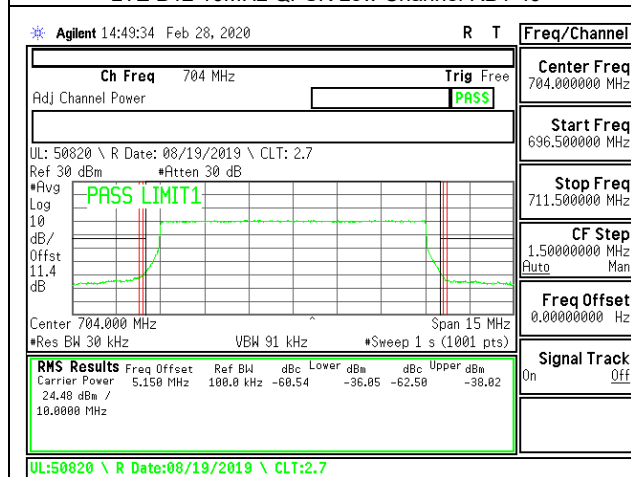
LTE B12 10MHz 16QAM Low Channel RB1-0



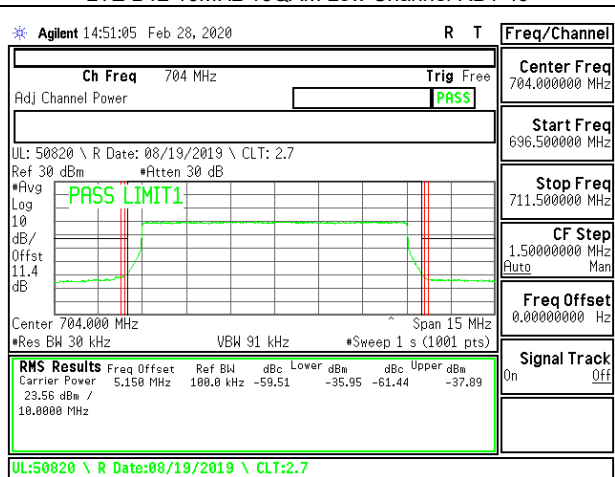
LTE B12 10MHz QPSK Low Channel RB1-49



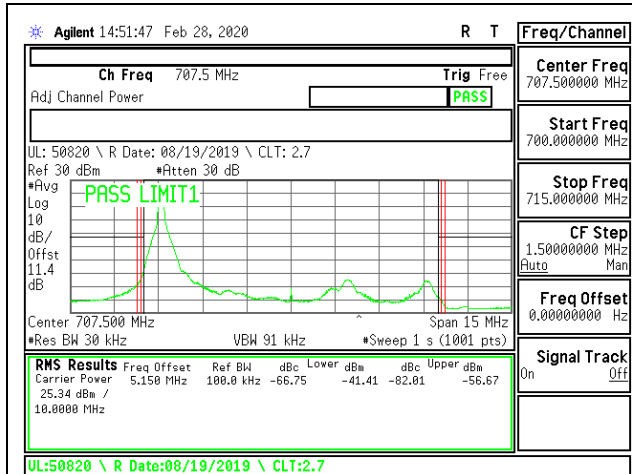
LTE B12 10MHz 16QAM Low Channel RB1-49



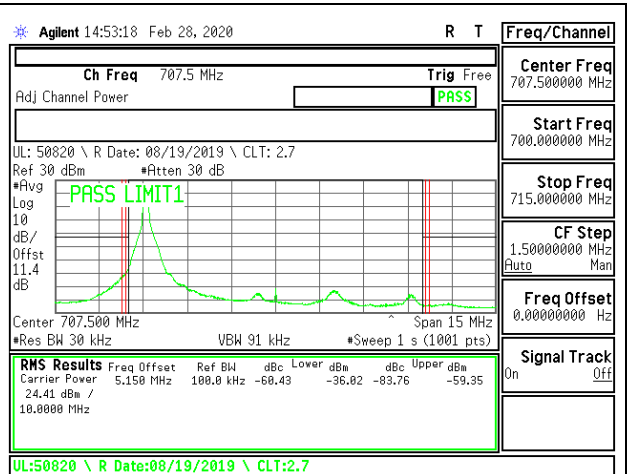
LTE B12 10MHz QPSK Low Channel RB50-0



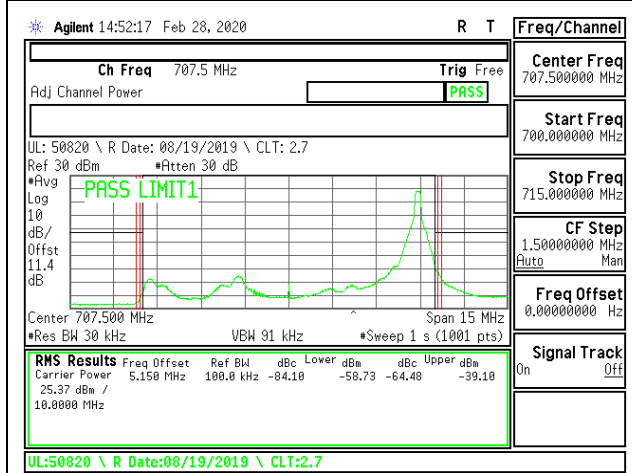
LTE B12 10MHz 16QAM Low Channel RB50-0



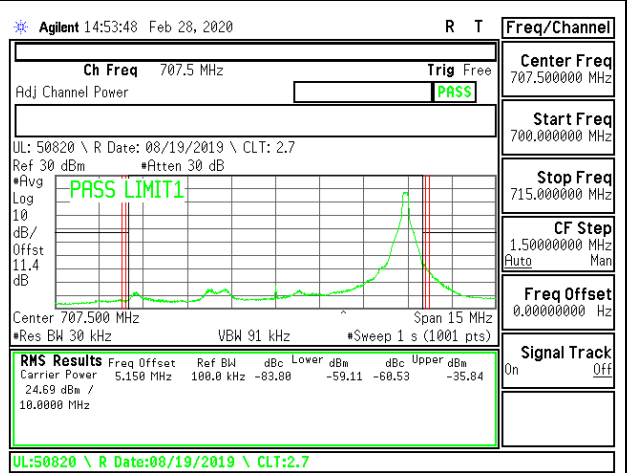
LTE B12 10MHz QPSK Middle Channel RB1-0



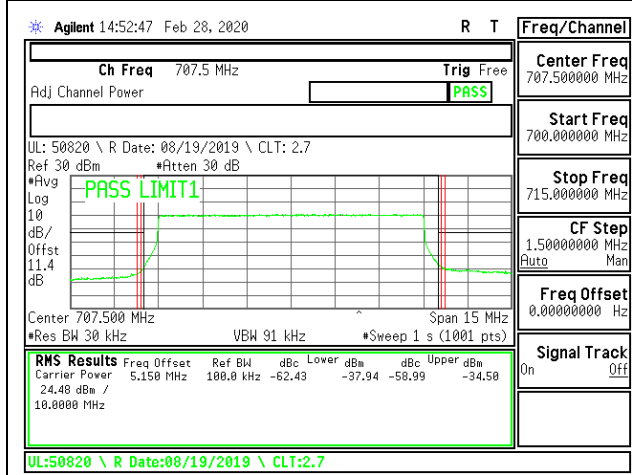
LTE B12 10MHz 16QAM Middle Channel RB1-0



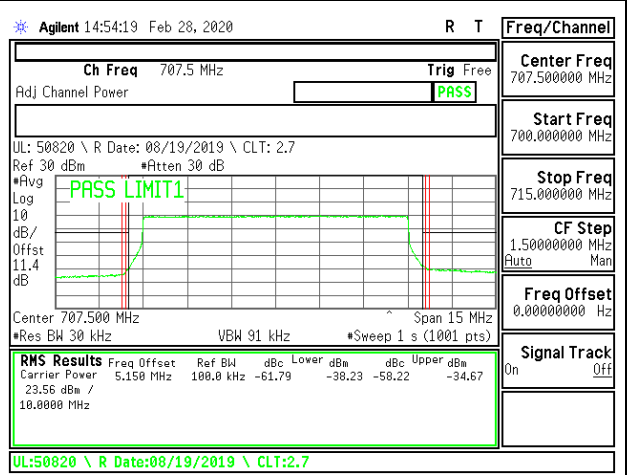
LTE B12 10MHz QPSK Middle Channel RB1-49



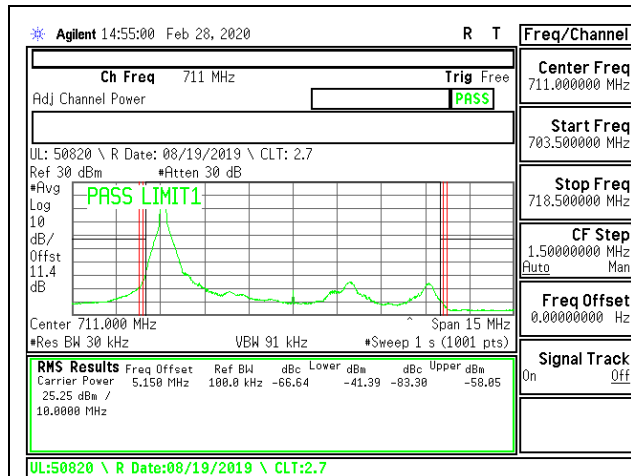
LTE B12 10MHz 16QAM Middle Channel RB1-49



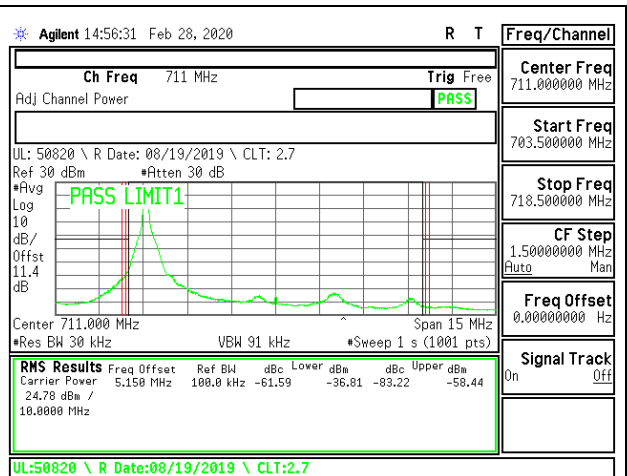
LTE B12 10MHz QPSK Middle Channel RB50-0



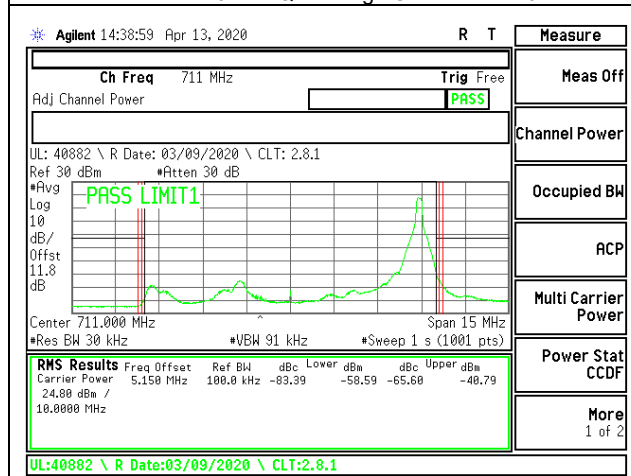
LTE B12 10MHz 16QAM Middle Channel RB50-0



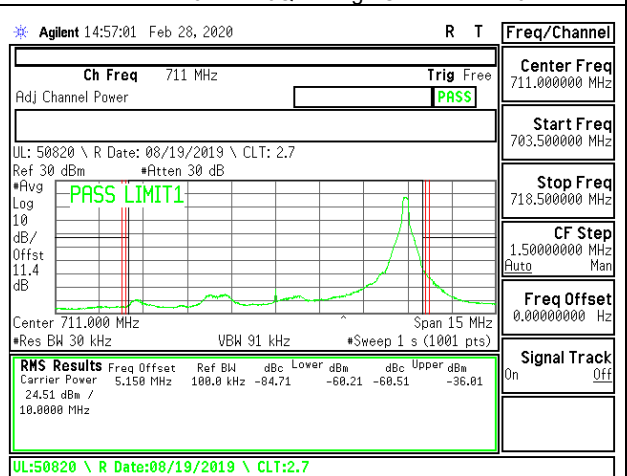
LTE B12 10MHz QPSK High Channel RB1-0



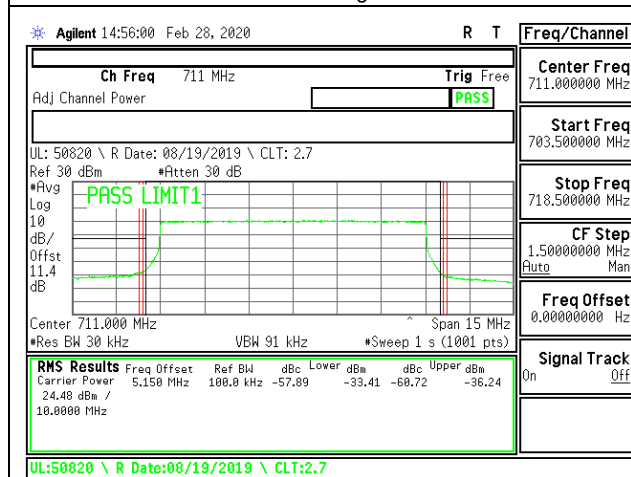
LTE B12 10MHz 16QAM High Channel RB1-0



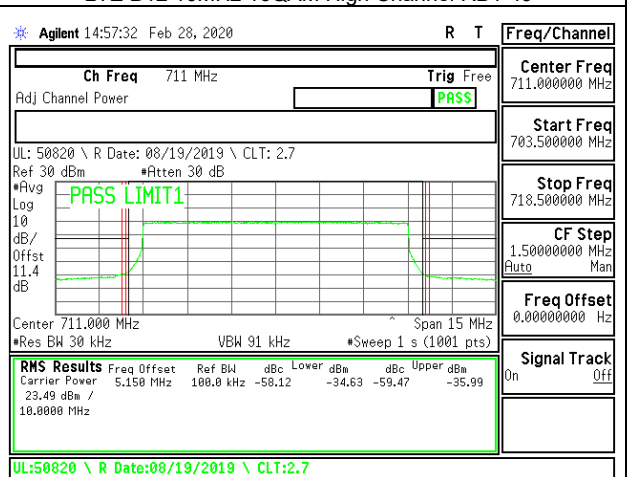
LTE B12 10MHz QPSK High Channel RB1-49



LTE B12 10MHz 16QAM High Channel RB1-49



LTE B12 10MHz QPSK High Channel RB50-0



LTE B12 10MHz 16QAM High Channel RB50-0

8.2.6. LTE BAND 13 ADJACENT CHANNEL POWER

LIMITS

FCC: §27.53

(c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

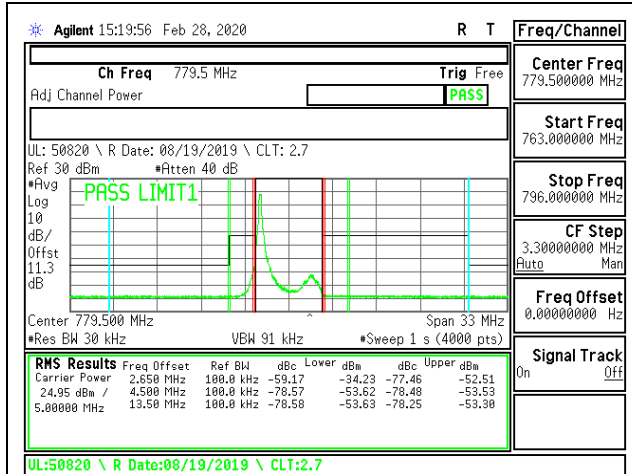
(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB;

(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

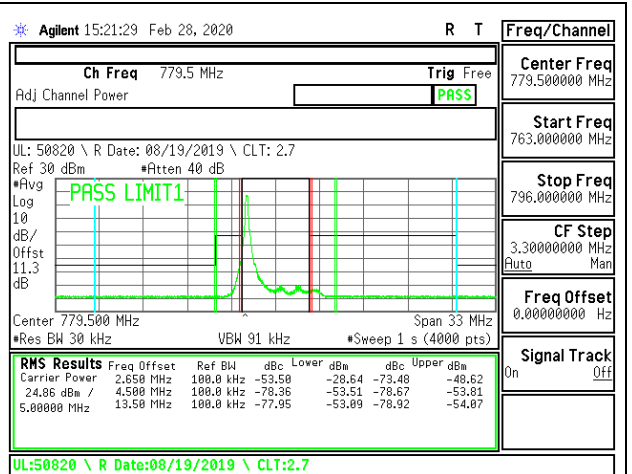
(5) Compliance with the provisions of paragraphs (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

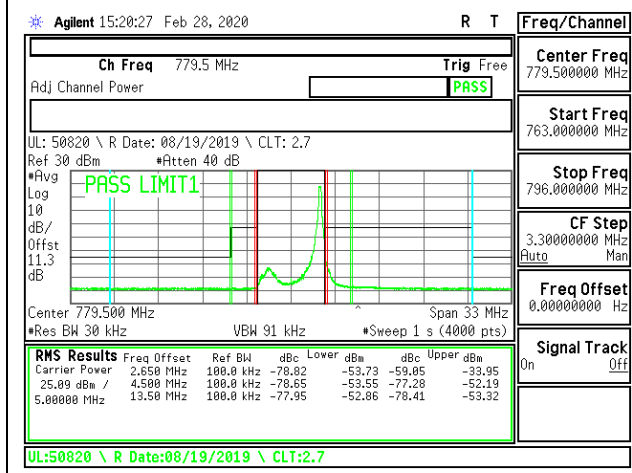
(f) Emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals. (-70 dBW/MHz = -40 dBm/MHz).



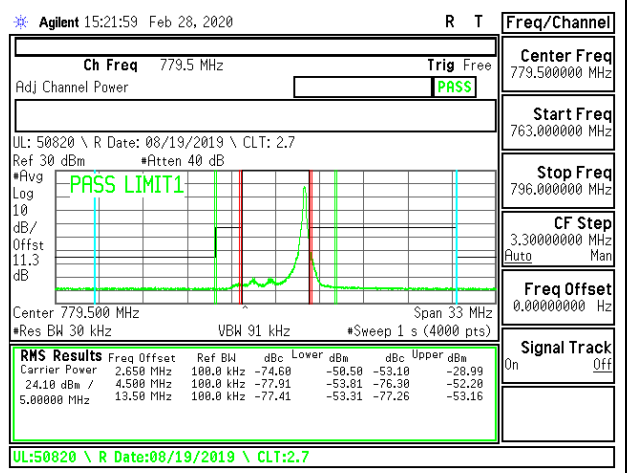
LTE B13 5MHz QPSK Low Channel RB1-0



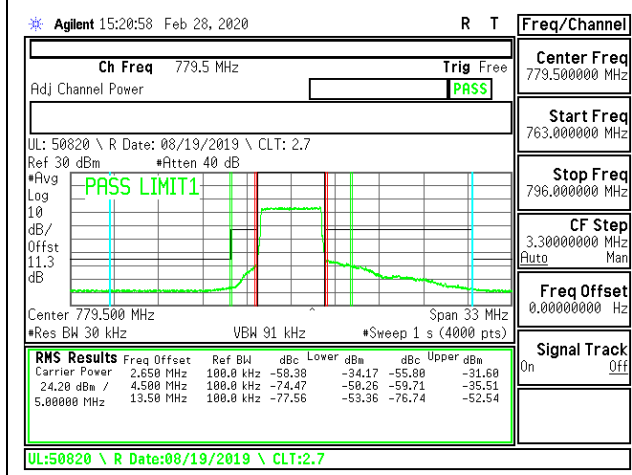
LTE B13 5MHz 16QAM Low Channel RB1-0



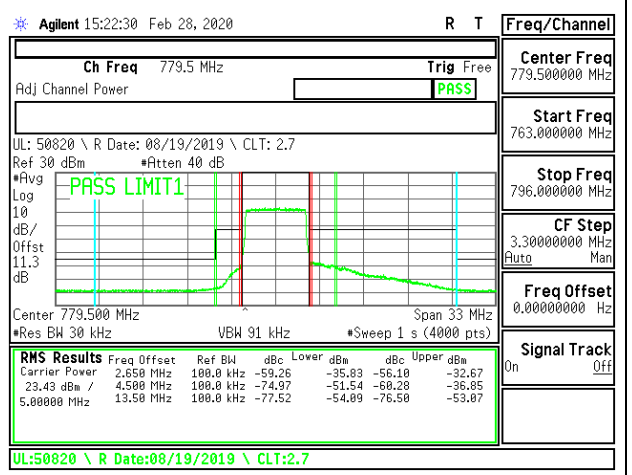
LTE B13 5MHz QPSK Low Channel RB1-24



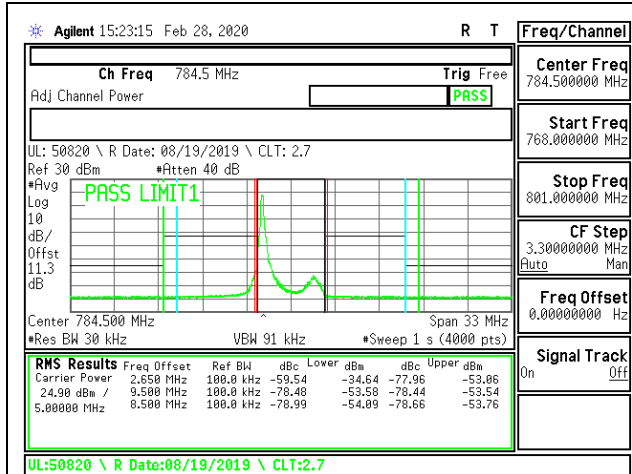
LTE B13 5MHz 16QAM Low Channel RB1-24



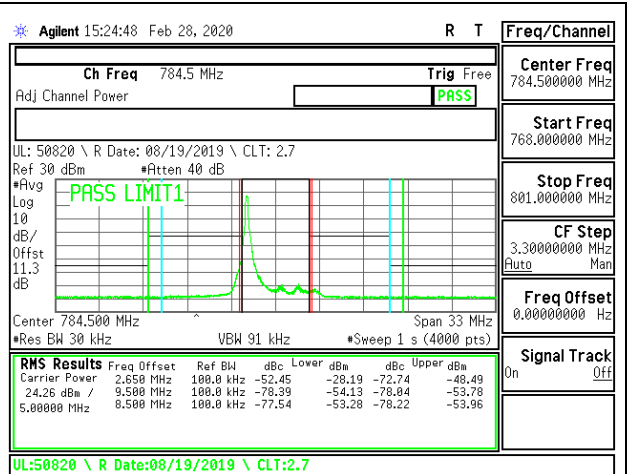
LTE B13 5MHz QPSK Low Channel RB25-0



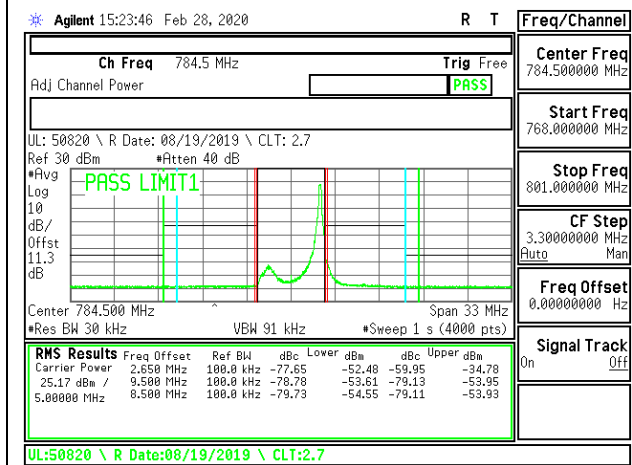
LTE B13 5MHz 16QAM Low Channel RB25-0



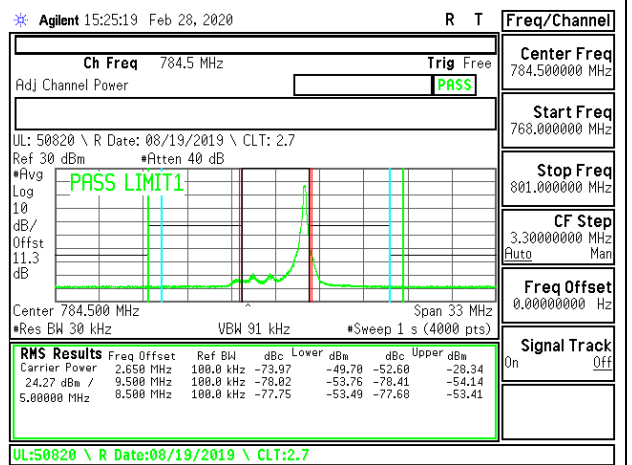
LTE B13 5MHz QPSK High Channel RB1-0



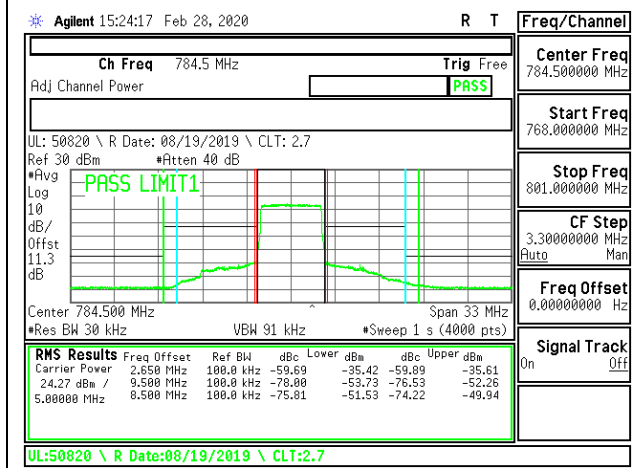
LTE B13 5MHz 16QAM High Channel RB1-0



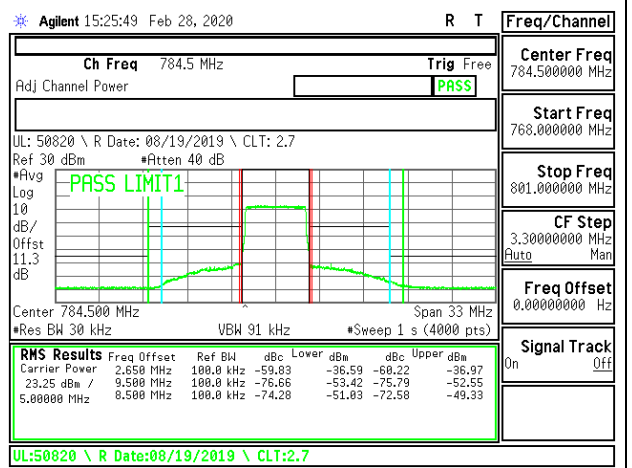
LTE B13 5MHz QPSK High Channel RB1-24



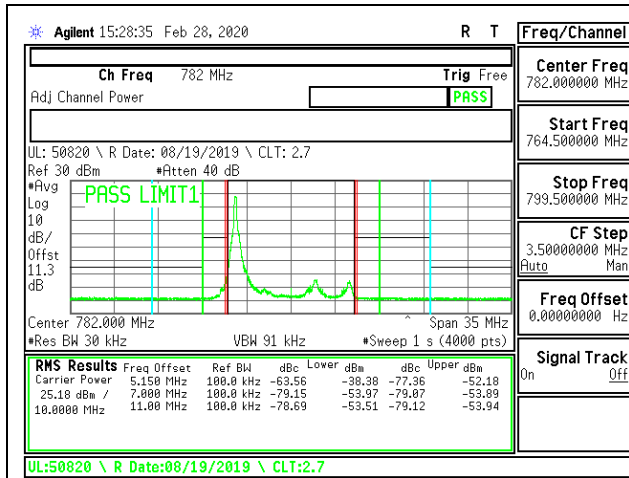
LTE B13 5MHz 16QAM High Channel RB1-24



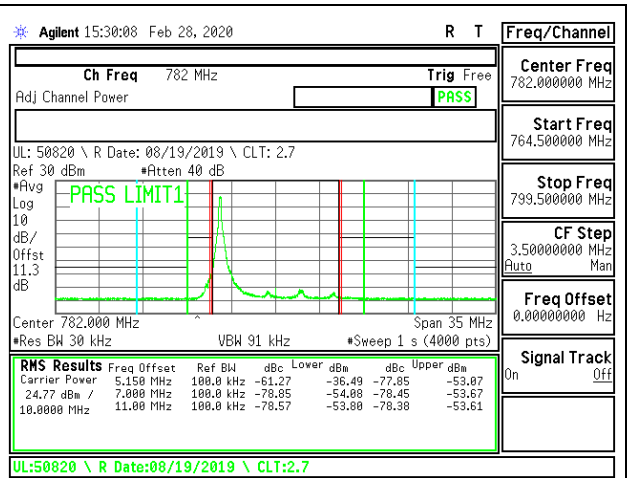
LTE B13 5MHz QPSK High Channel RB25-0



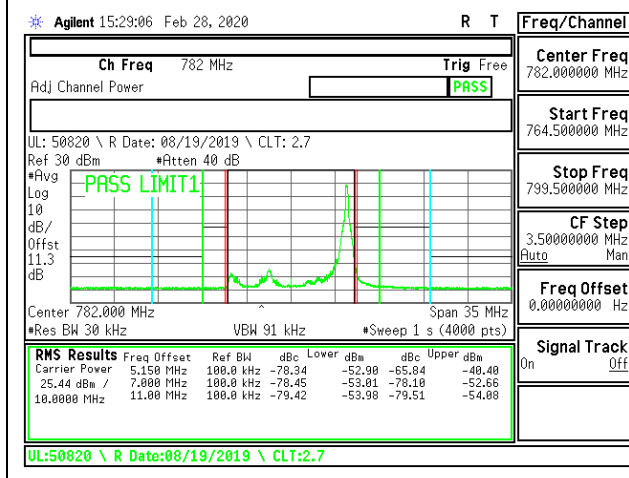
LTE B13 5MHz 16QAM High Channel RB25-0



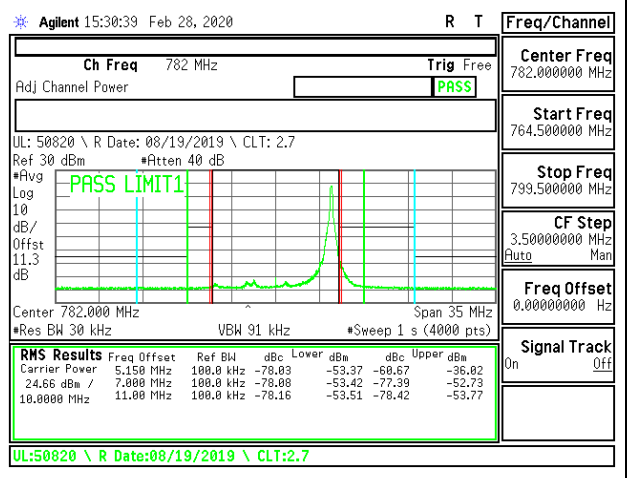
LTE B13 10MHz QPSK Middle Channel RB1-0



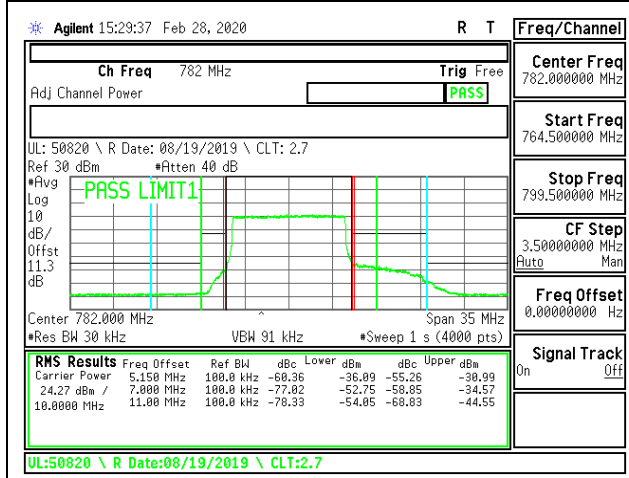
LTE B13 10MHz 16QAM Middle Channel RB1-0



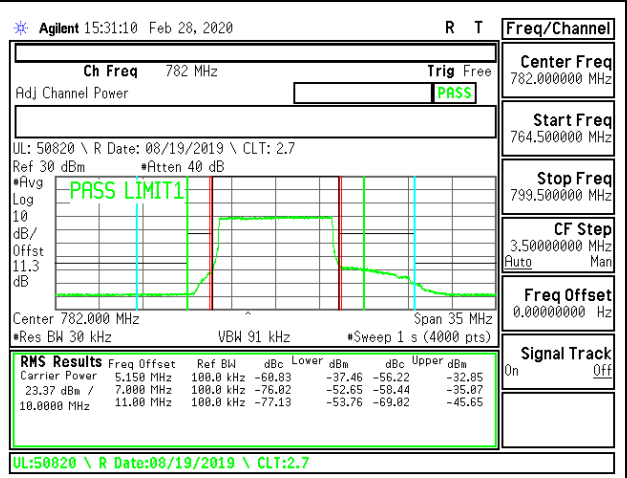
LTE B13 10MHz QPSK Middle Channel RB1-49



LTE B13 10MHz 16QAM Middle Channel RB1-49



LTE B13 10MHz QPSK Middle Channel RB50-0



LTE B13 10MHz 16QAM Middle Channel RB50-0

8.2.7. LTE BAND 14 ADJACENT CHANNEL POWER

LIMITS

FCC: §90.543 Emission Limitations.

(e) For operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

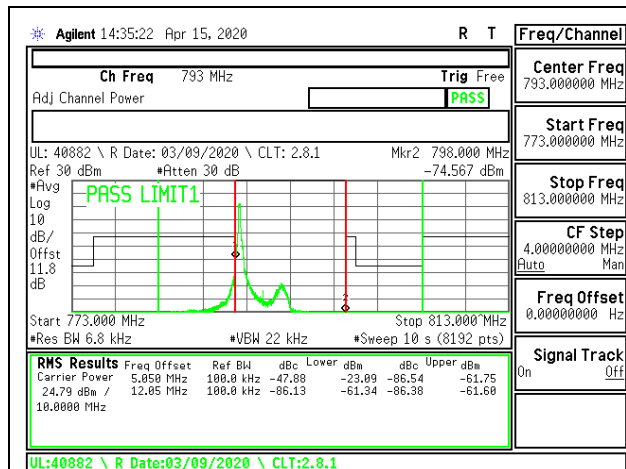
(2) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.

(3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log (P)$ dB.

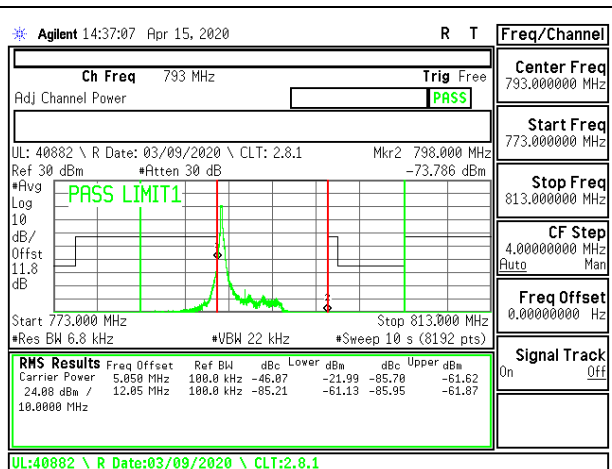
(4) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.

(5) Compliance with the provisions of paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed.

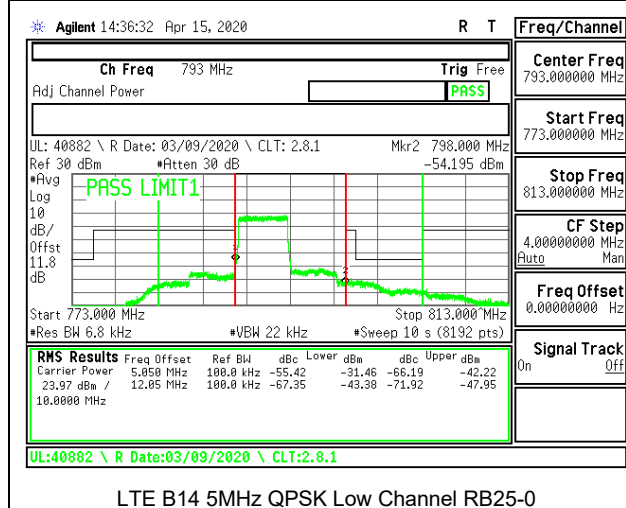
(f) For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.



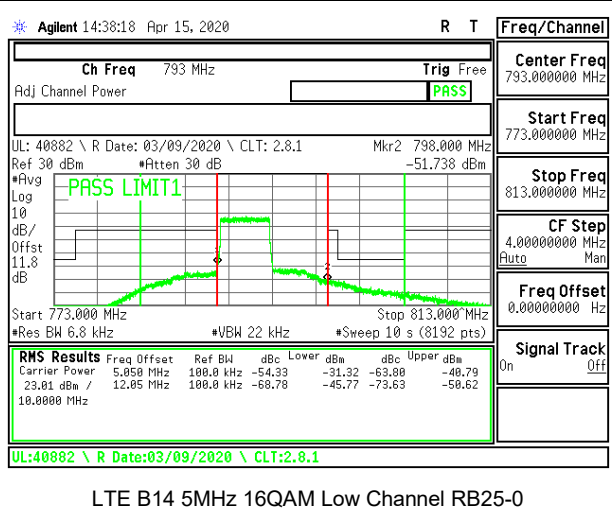
LTE B14 5MHz QPS Low Channel RB1-0



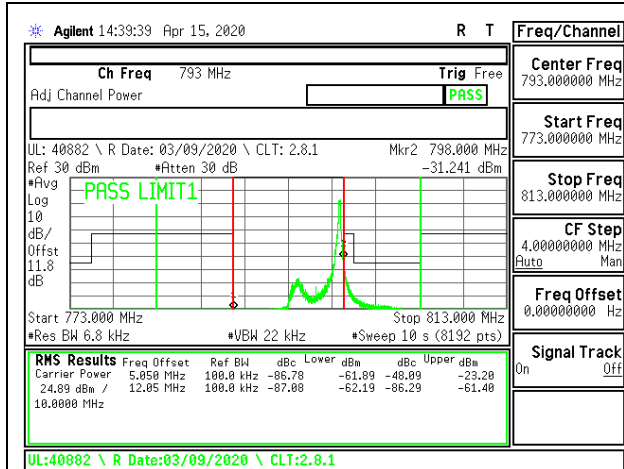
LTE B14 5MHz 16QAM Low Channel RB1-0



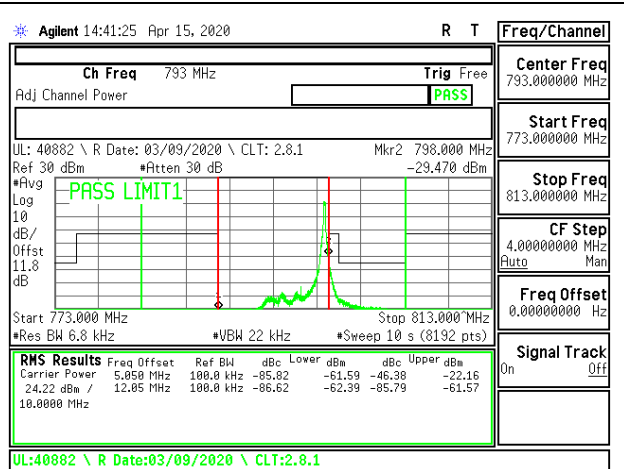
LTE B14 5MHz QPSK Low Channel RB25-0



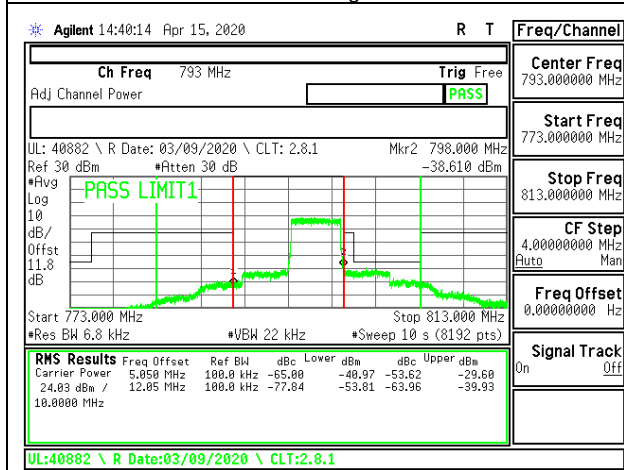
LTE B14 5MHz 16QAM Low Channel RB25-0



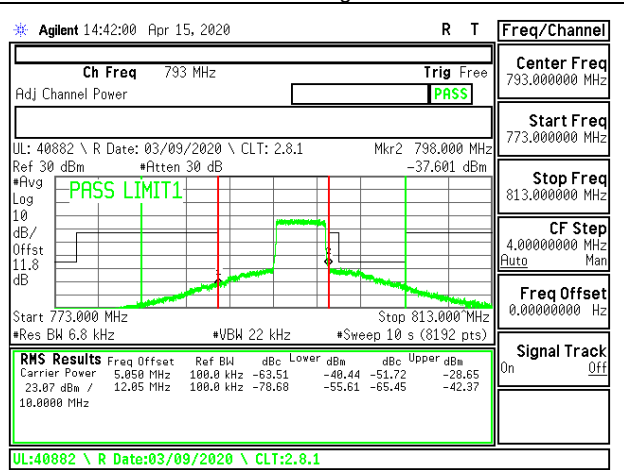
LTE B14 5MHz QPSK High Channel RB1-24



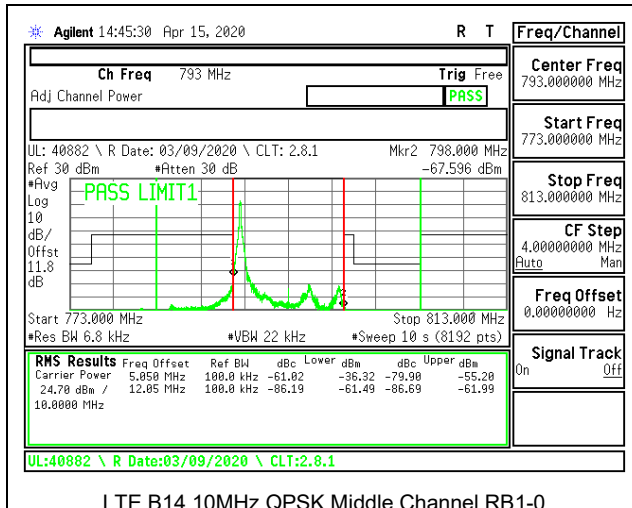
LTE B14 5MHz 16QAM High Channel RB1-24



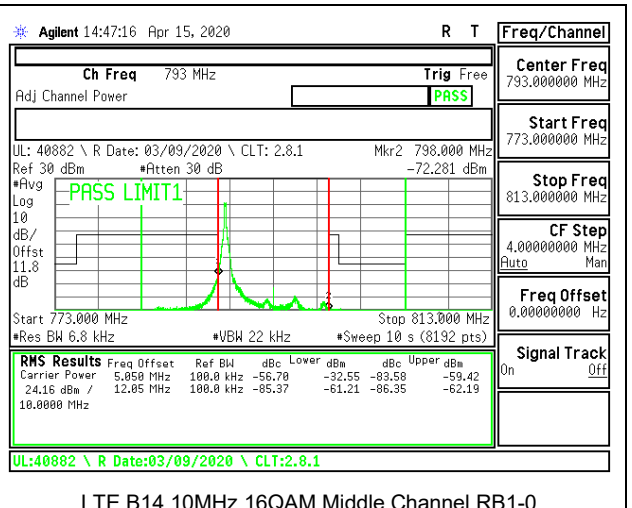
LTE B14 5MHz QPSK High Channel RB25-0



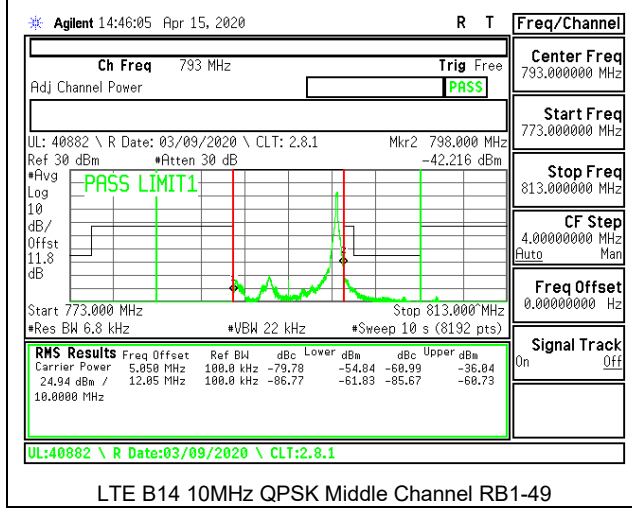
LTE B14 5MHz 16QAM High Channel RB25-0



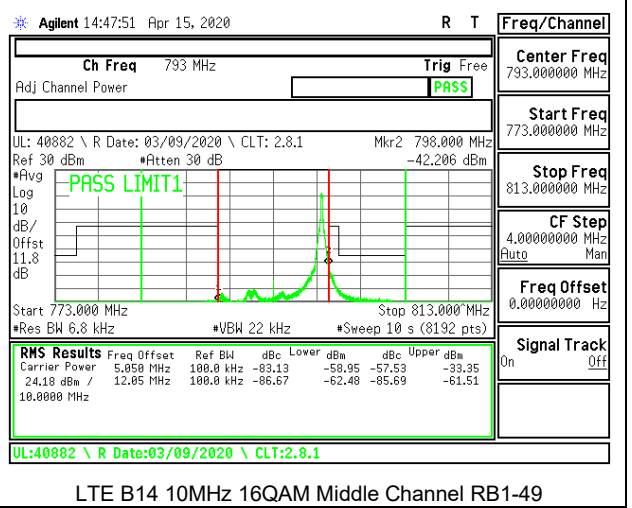
LTE B14 10MHz QPSK Middle Channel RB1-0



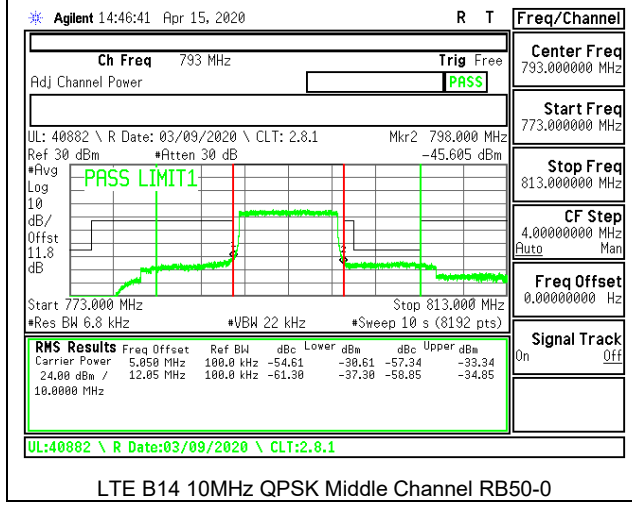
LTE B14 10MHz 16QAM Middle Channel RB1-0



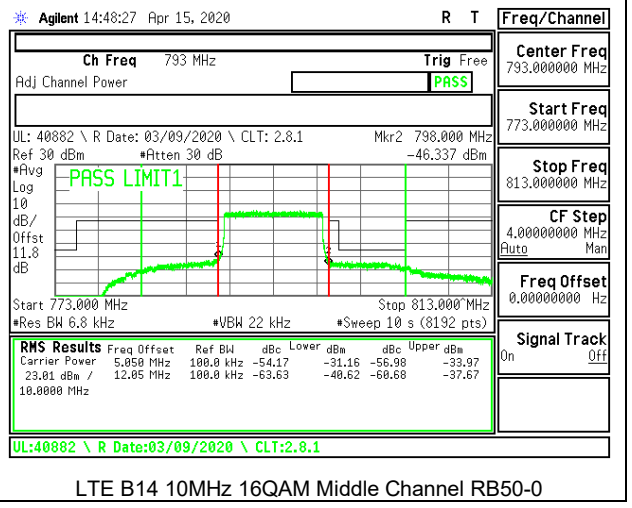
LTE B14 10MHz QPSK Middle Channel RB1-49



LTE B14 10MHz 16QAM Middle Channel RB1-49



LTE B14 10MHz QPSK Middle Channel RB50-0



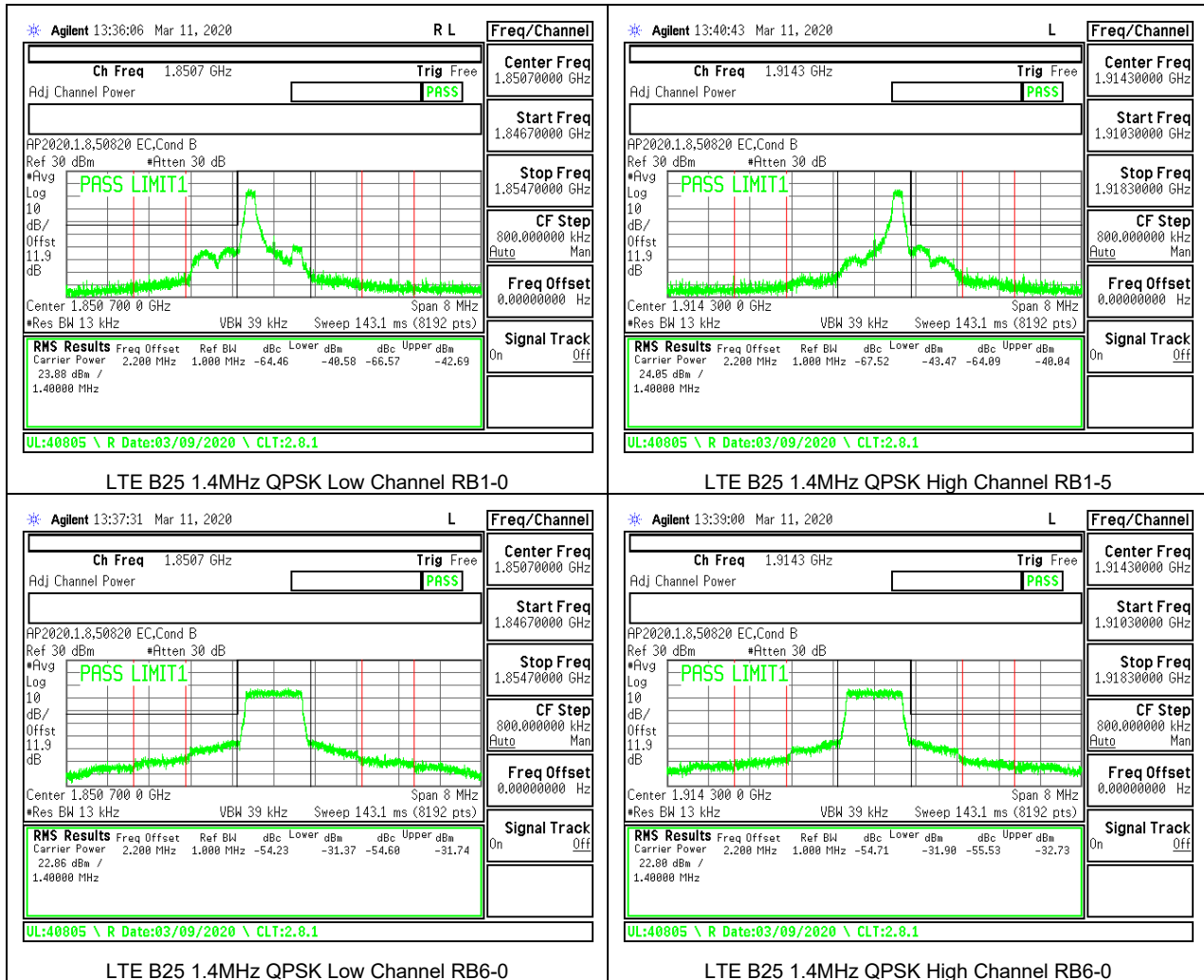
LTE B14 10MHz 16QAM Middle Channel RB50-0

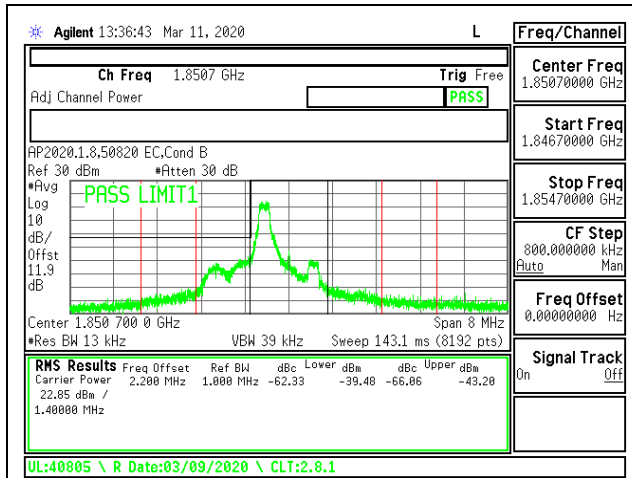
8.2.8. LTE BAND 25 BANDEDGE

LIMITS

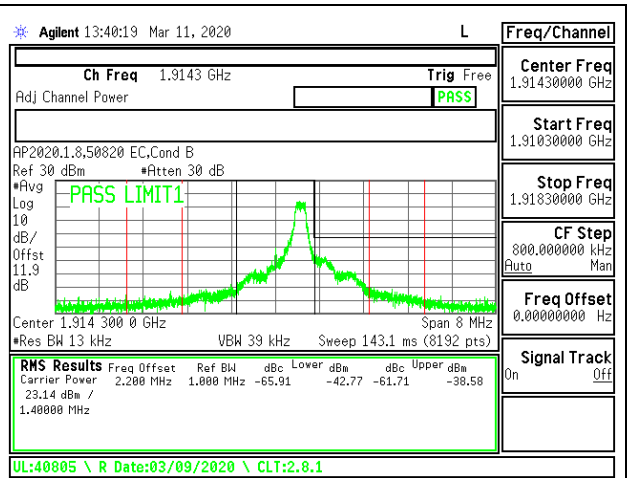
FCC: §24.238

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.

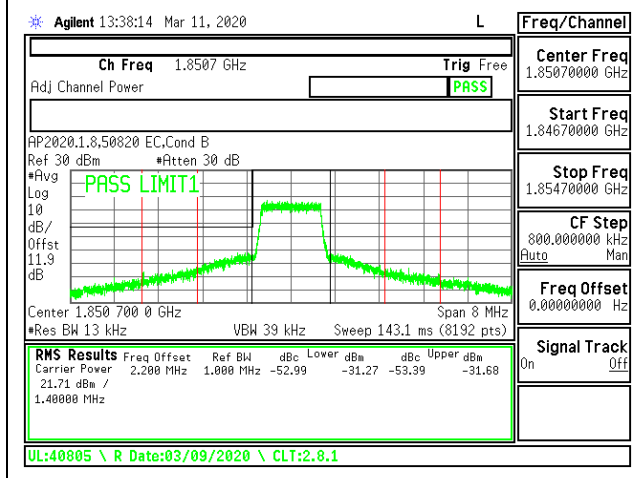




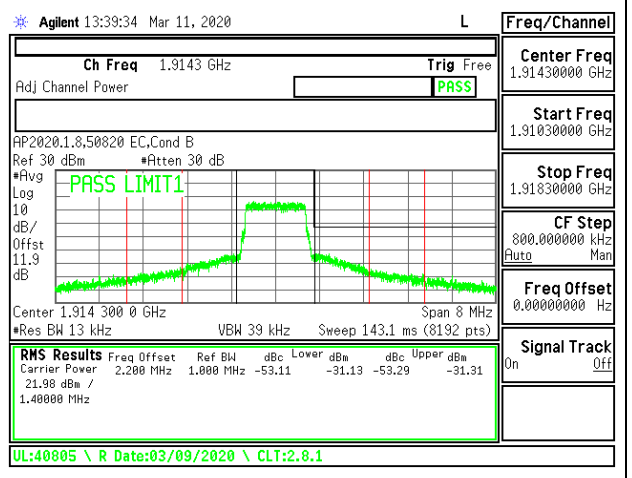
LTE B25 1.4MHz 16QAM Low Channel RB1-0



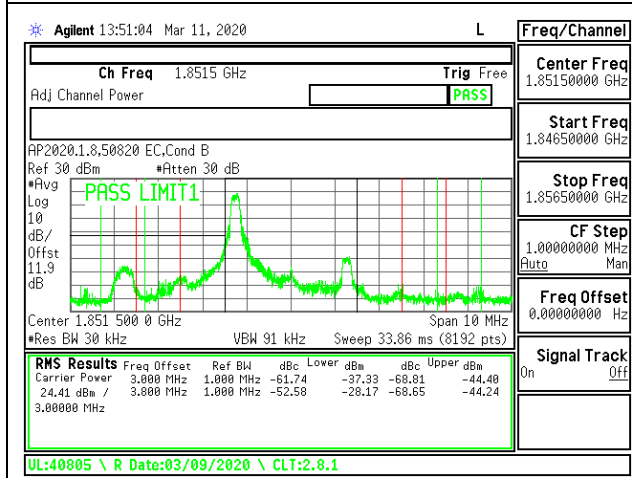
LTE B25 1.4MHz 16QAM High Channel RB1-5



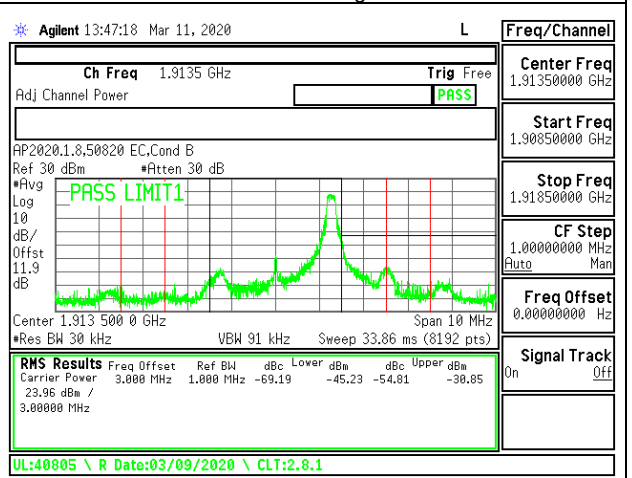
LTE B25 1.4MHz 16QAM Low Channel RB6-0



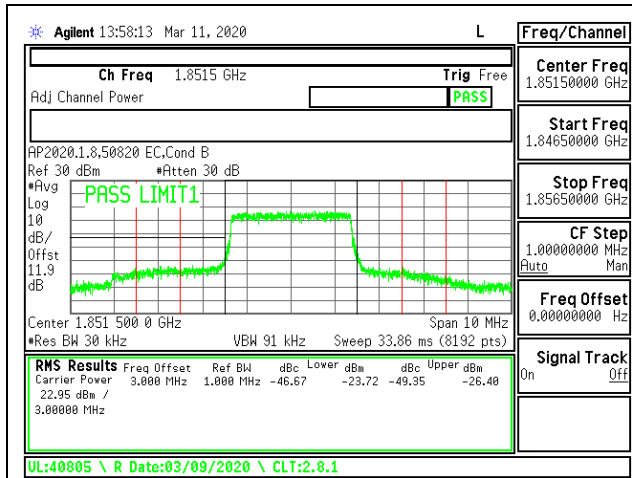
LTE B25 1.4MHz 16QAM High Channel RB6-0



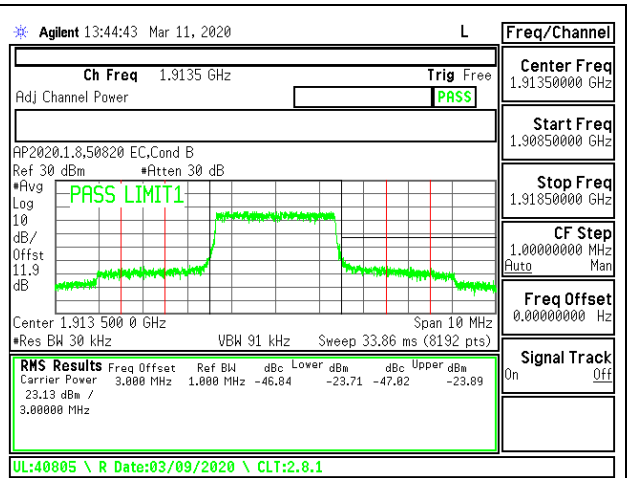
LTE B25 3MHz QPSK Low Channel RB1-0



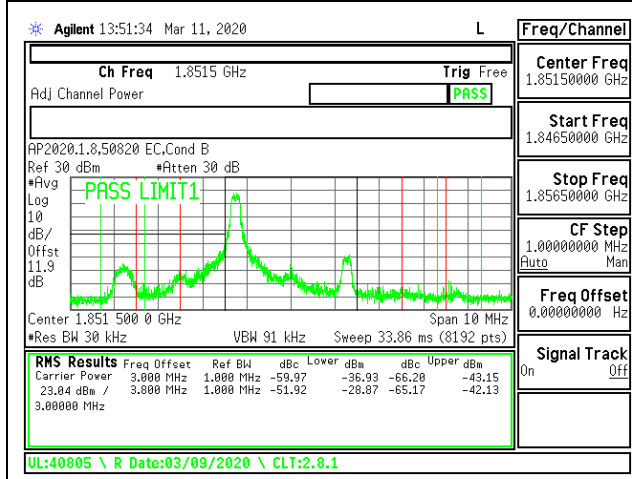
LTE B25 3MHz QPSK High Channel RB1-14



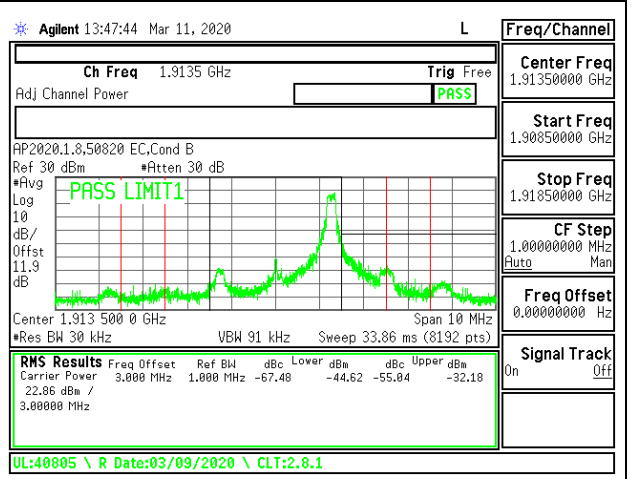
LTE B25 3MHz QPSK Low Channel RB15-0



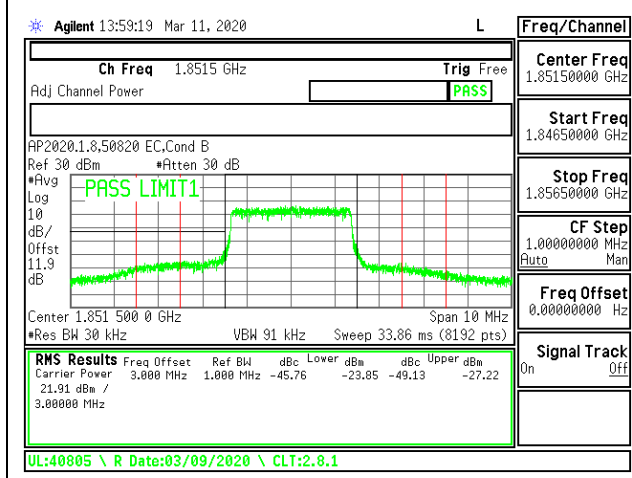
LTE B25 3MHz QPSK High Channel RB15-0



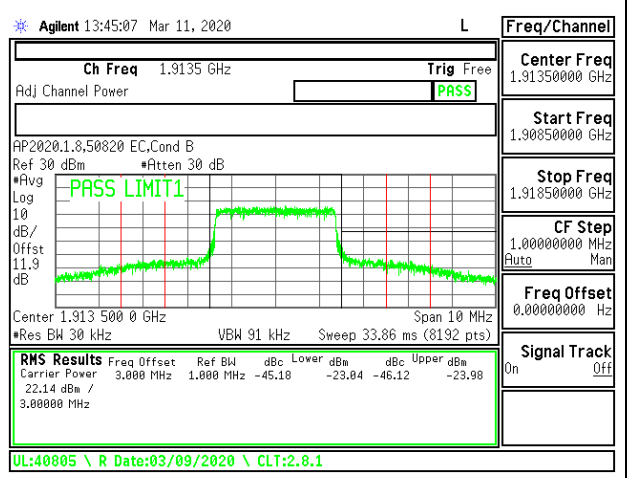
LTE B25 3MHz 16QAM Low Channel RB1-0



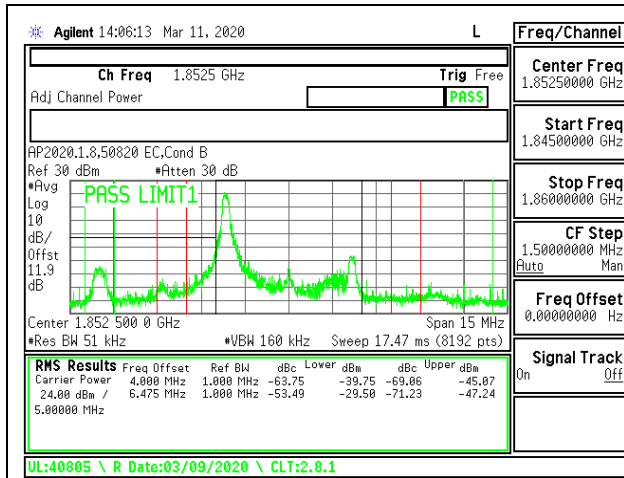
LTE B25 3MHz 16QAM High Channel RB1-14



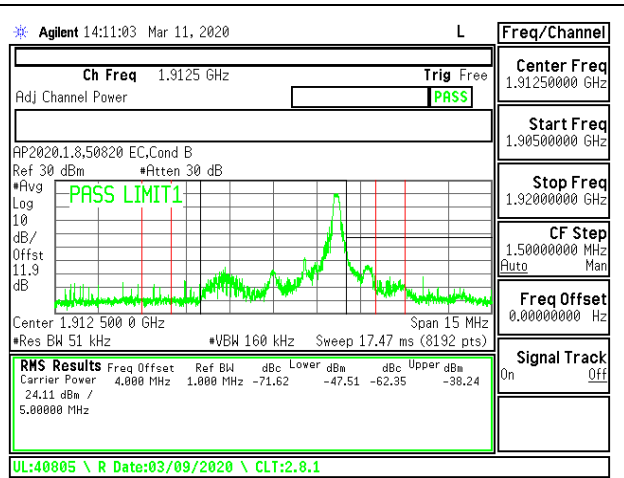
LTE B25 3MHz 16QAM Low Channel RB15-0



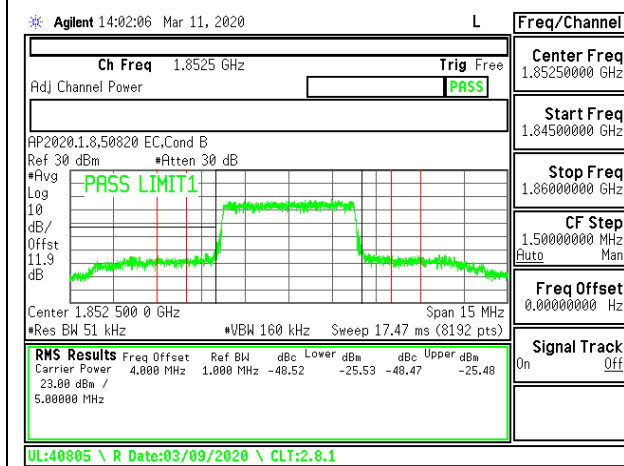
LTE B25 3MHz 16QAM High Channel RB15-0



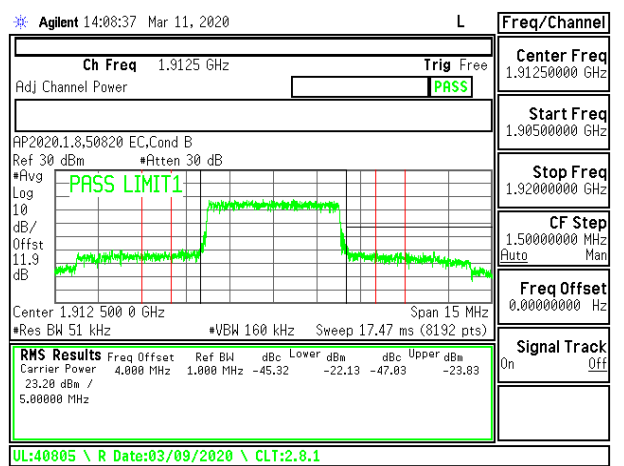
LTE B25 5MHz QPSK Low Channel RB1-0



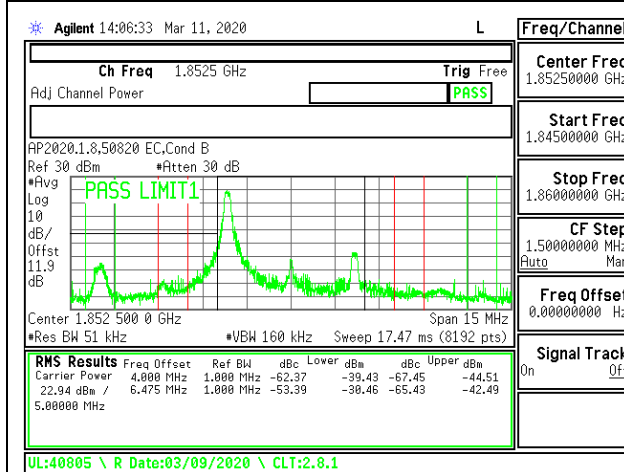
LTE B25 5MHz QPSK High Channel RB1-24



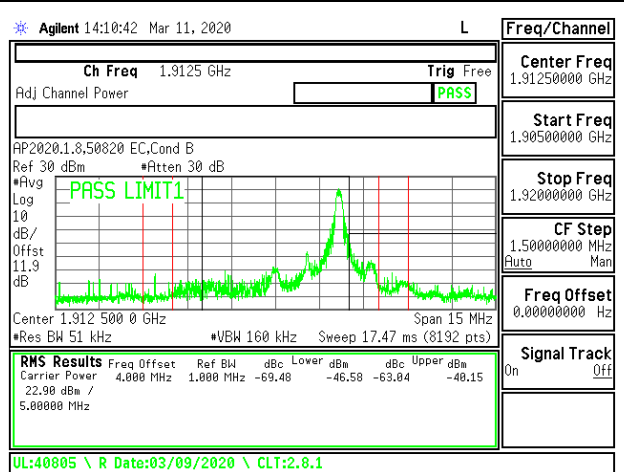
LTE B25 5MHz QPSK Low Channel RB25-0



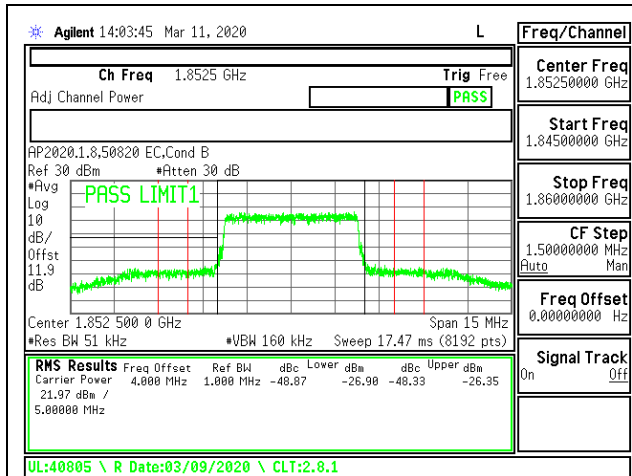
LTE B25 5MHz QPSK High Channel RB25-0



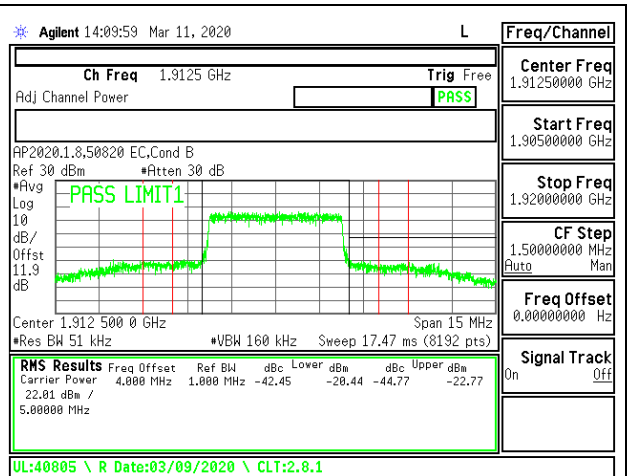
LTE B25 5MHz 16QAM Low Channel RB1-0



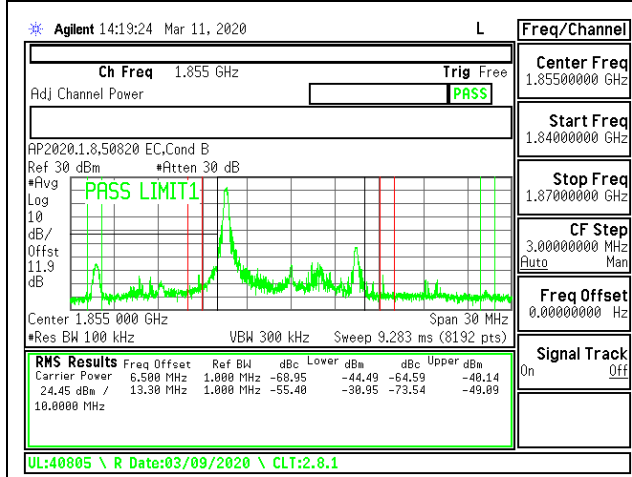
LTE B25 5MHz 16QAM High Channel RB1-24



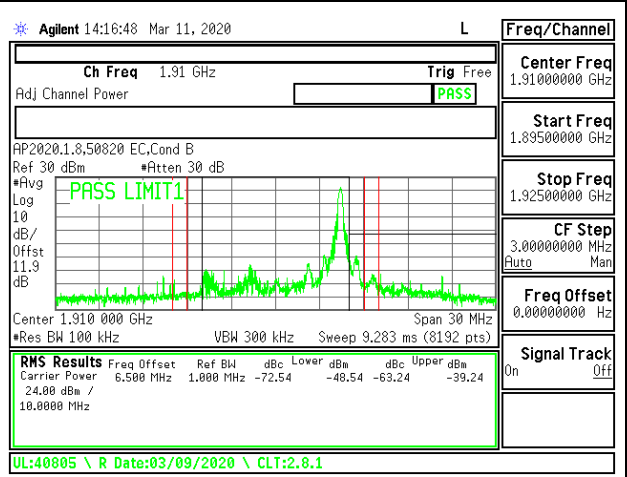
LTE B25 5MHz 16QAM Low Channel RB25-0



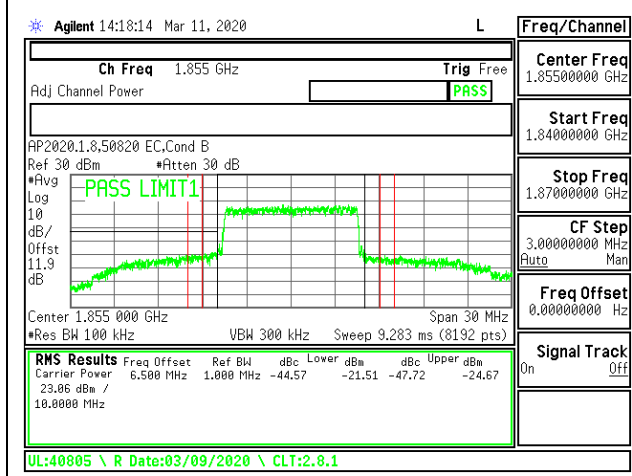
LTE B25 5MHz 16QAM High Channel RB25-0



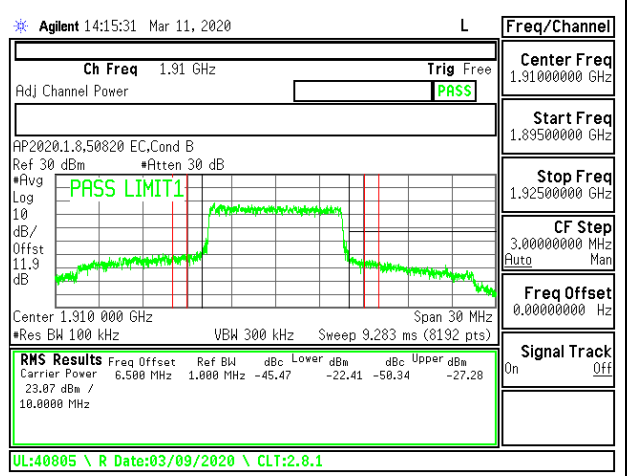
LTE B25 10MHz QPSK Low Channel RB1-0



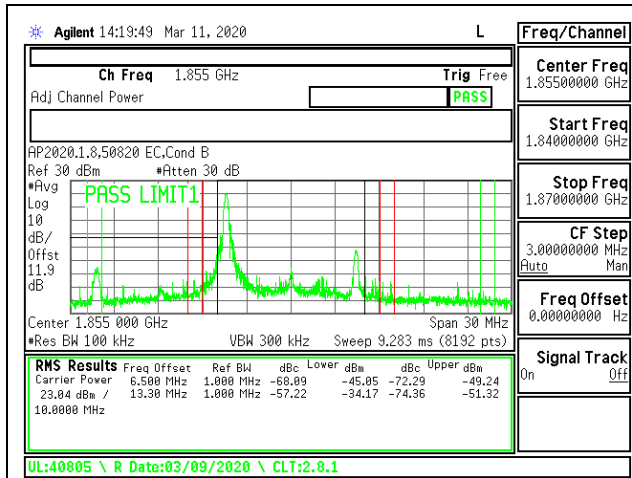
LTE B25 10MHz QPSK High Channel RB1-49



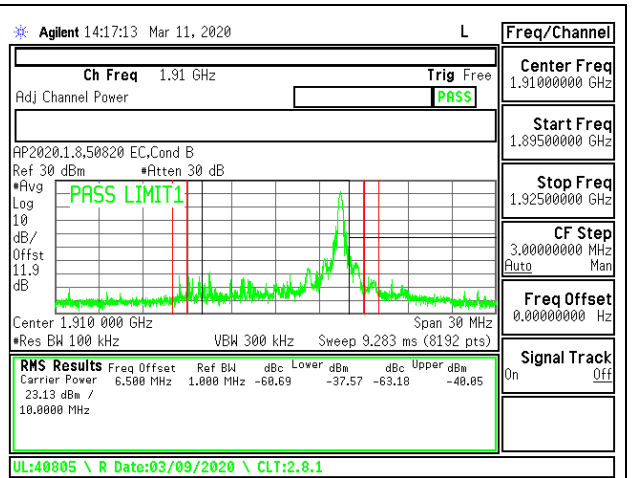
LTE B25 10MHz QPSK Low Channel RB50-0



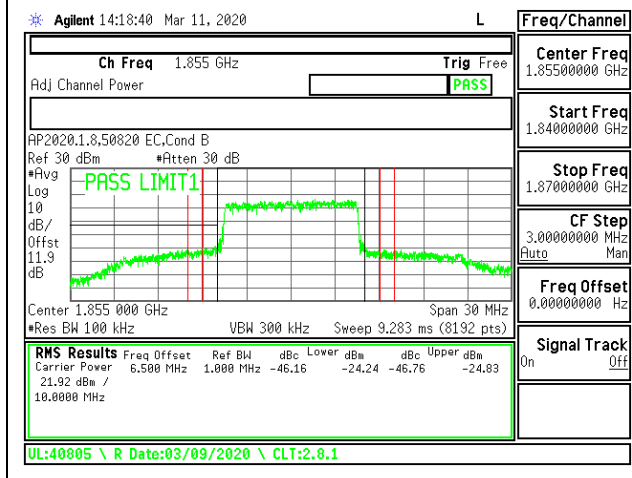
LTE B25 10MHz QPSK High Channel RB50-0



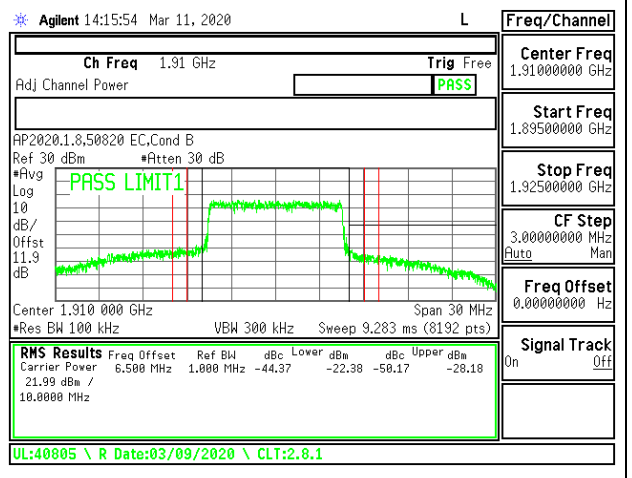
LTE B25 10MHz 16QAM Low Channel RB1-0



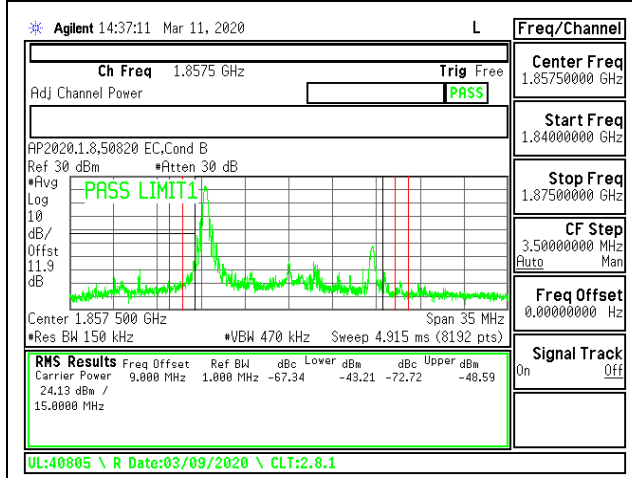
LTE B25 10MHz 16QAM High Channel RB1-49



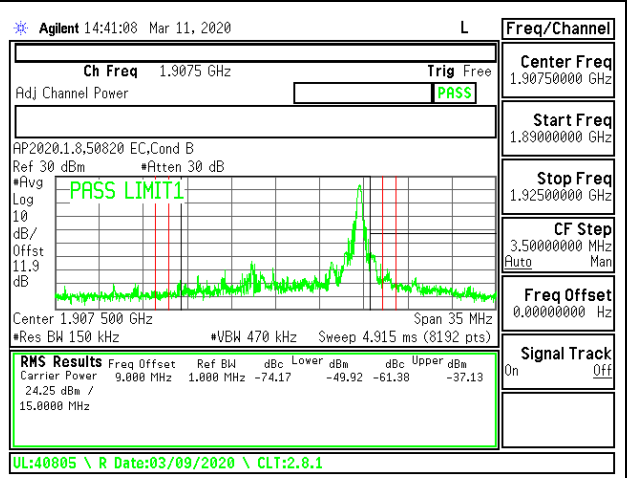
LTE B25 10MHz 16QAM Low Channel RB50-0



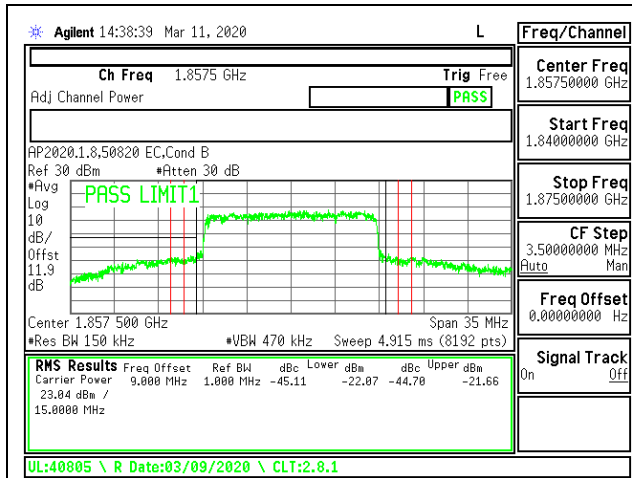
LTE B25 10MHz 16QAM High Channel RB50-0



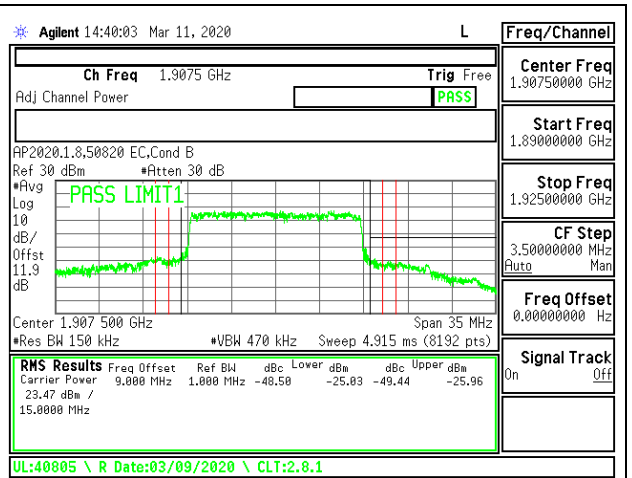
LTE B25 15MHz QPSK Low Channel RB1-0



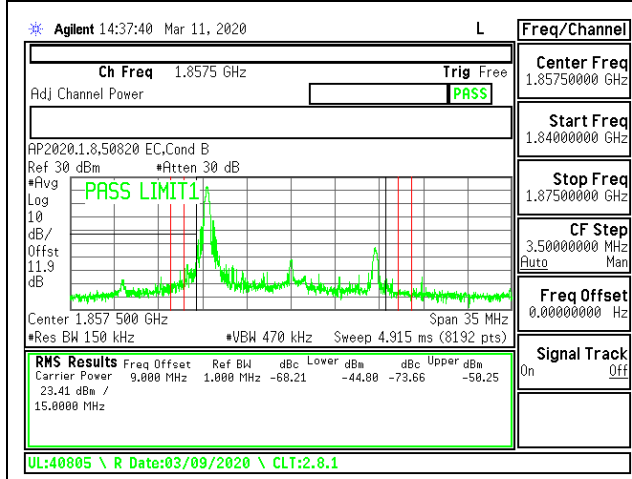
LTE B25 15MHz QPSK High Channel RB1-74



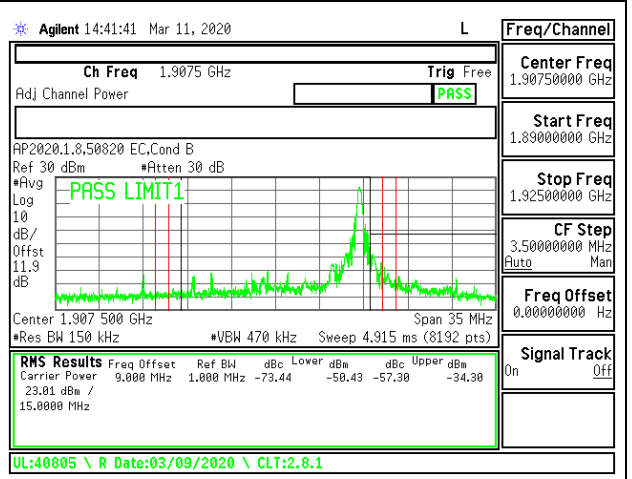
LTE B25 15MHz QPSK Low Channel RB75-0



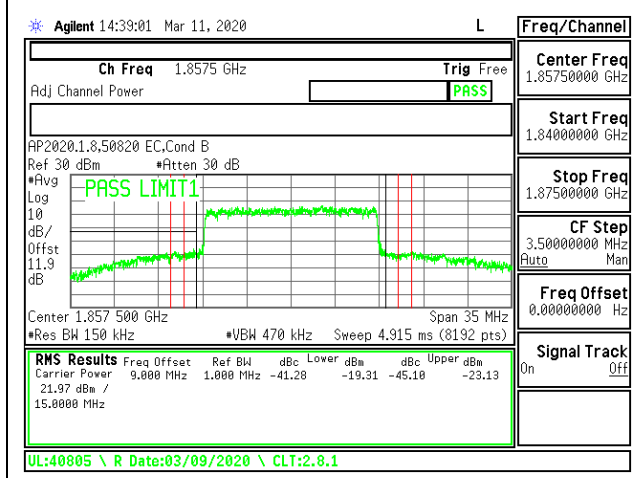
LTE B25 15MHz QPSK High Channel RB75-0



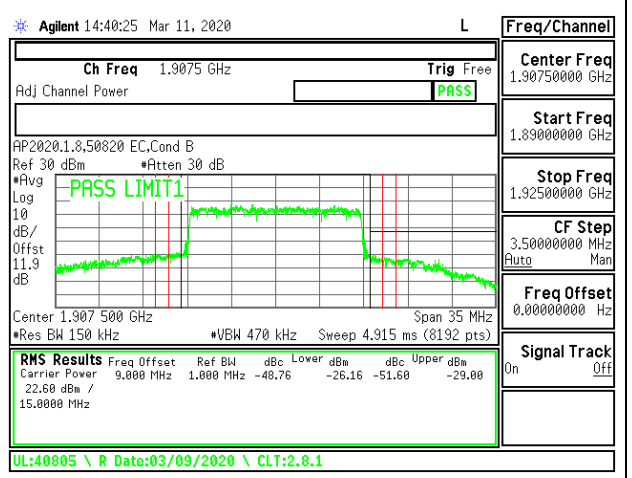
LTE B25 15MHz 16QAM Low Channel RB1-0



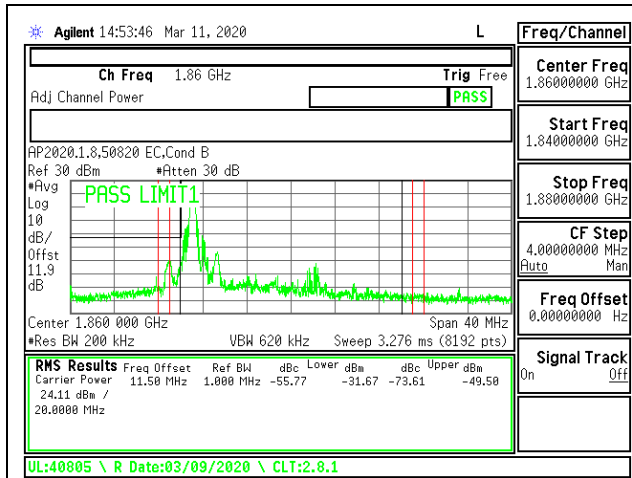
LTE B25 15MHz 16QAM High Channel RB1-74



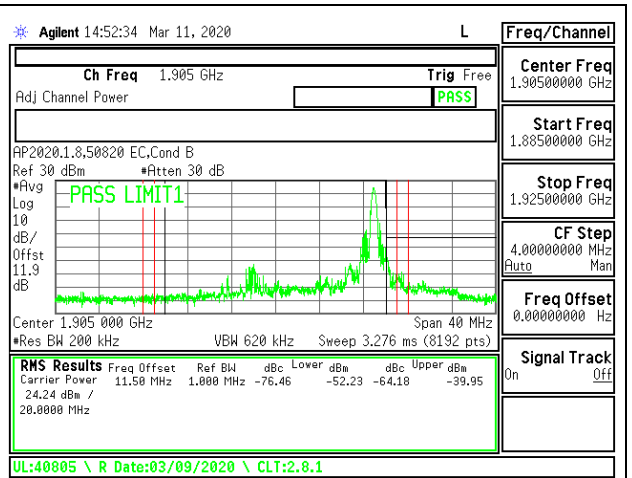
LTE B25 15MHz 16QAM Low Channel RB75-0



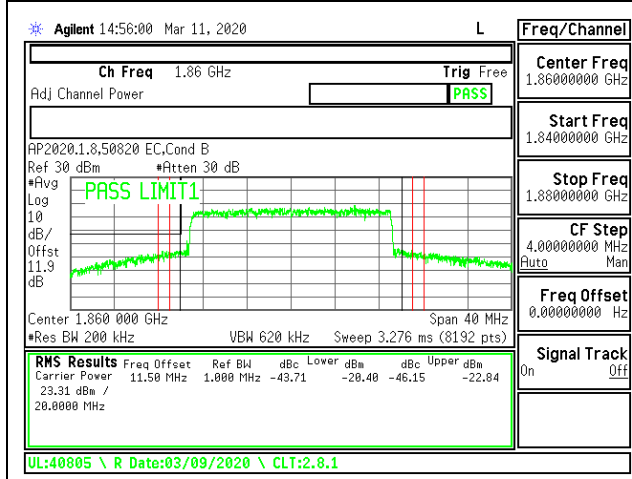
LTE B25 15MHz 16QAM High Channel RB75-0



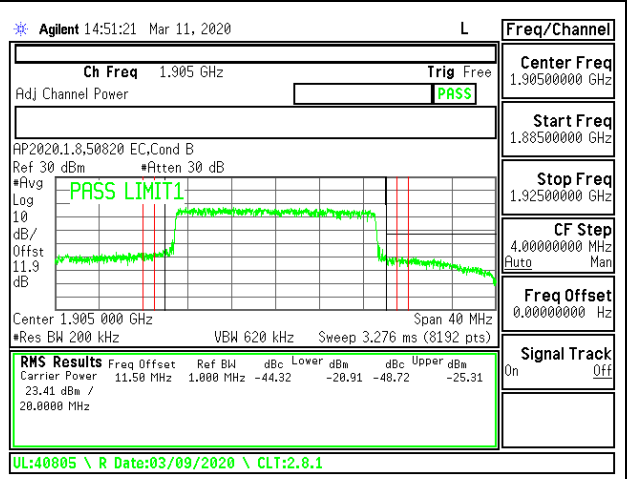
LTE B25 20MHz QPSK Low Channel RB1-0



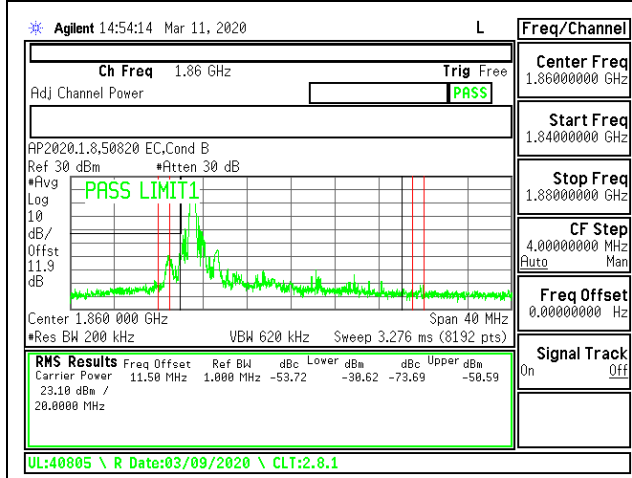
LTE B25 20MHz QPSK High Channel RB1-99



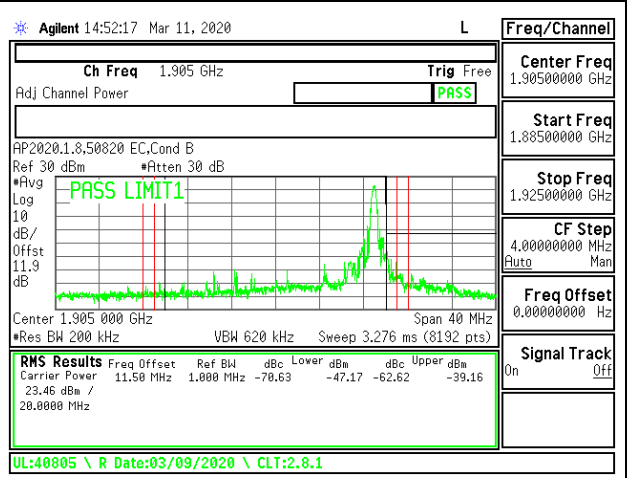
LTE B25 20MHz QPSK Low Channel RB100-0



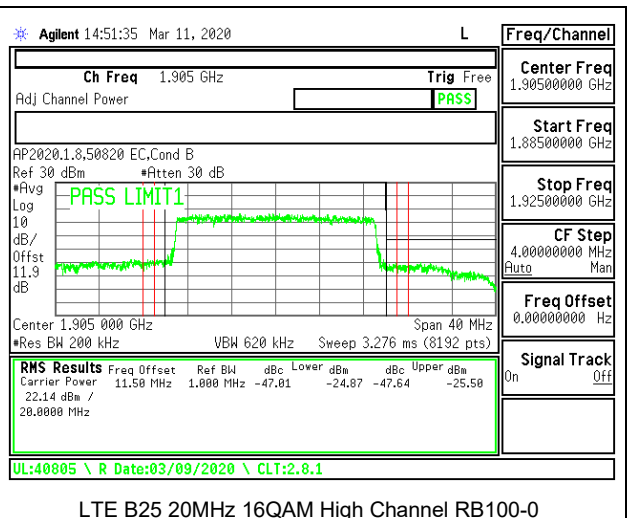
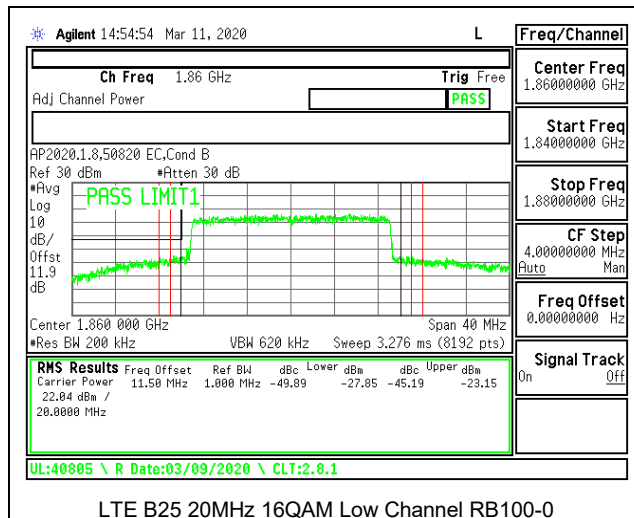
LTE B25 20MHz QPSK High Channel RB100-0



LTE B25 20MHz 16QAM Low Channel RB1-0



LTE B25 20MHz 16QAM High Channel RB1-99



8.2.9. LTE BAND 26 EMISSION MASK (FCC PART 90S)

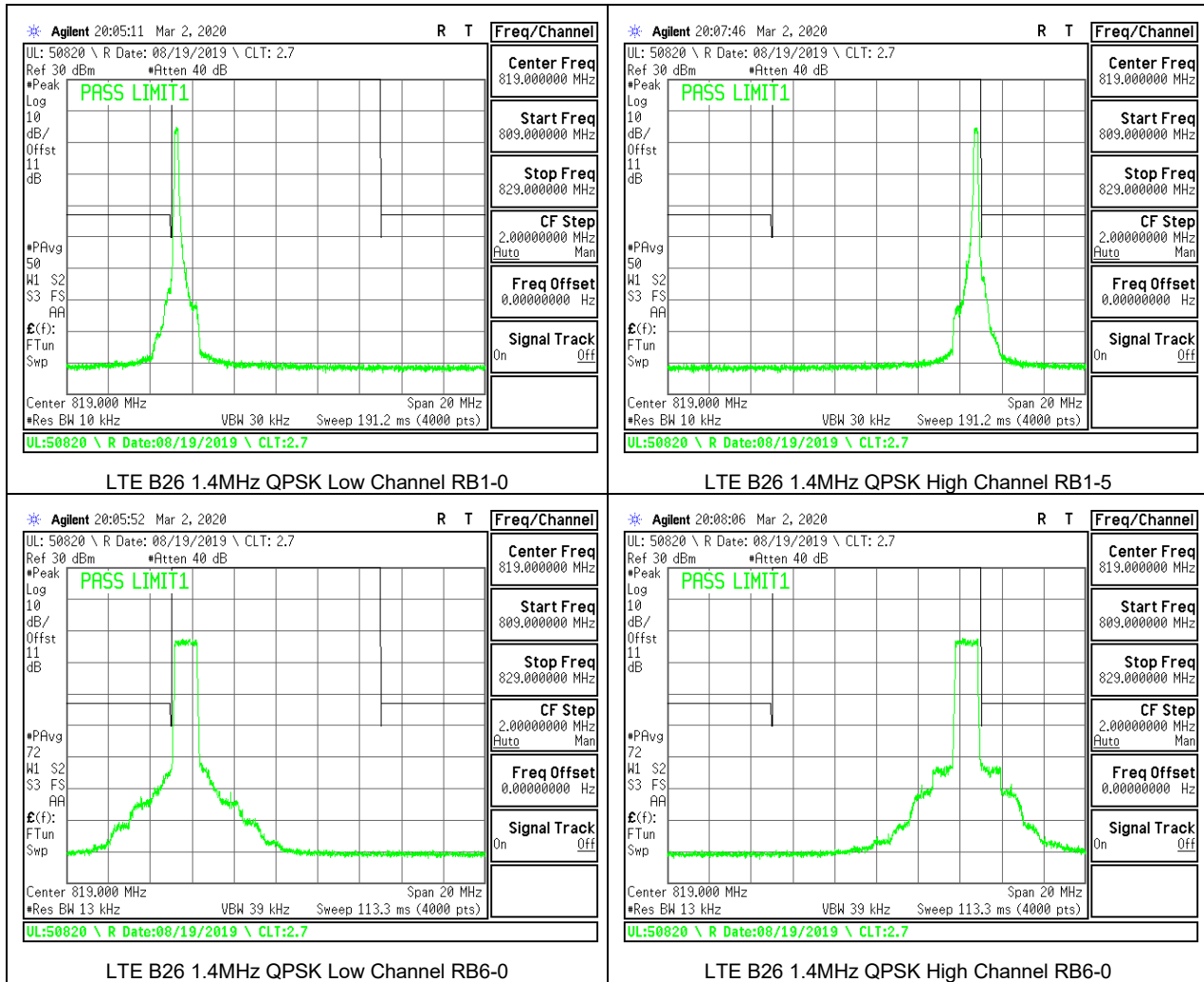
LIMITS

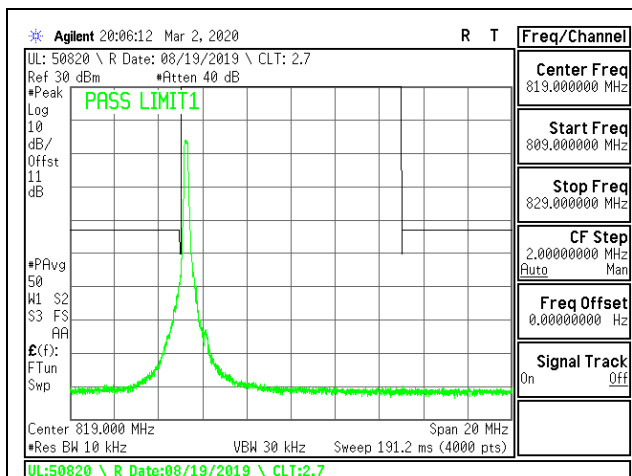
FCC: §90.691 Emission mask requirements for EA-based systems.

(a) Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

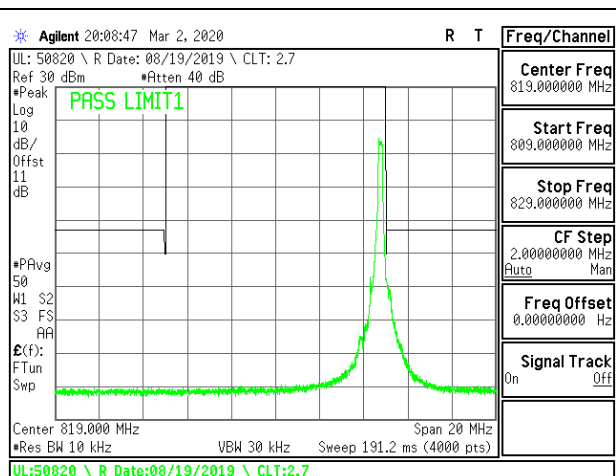
(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log₁₀(f/6.1) decibels or 50 + 10 Log₁₀(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10Log₁₀(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

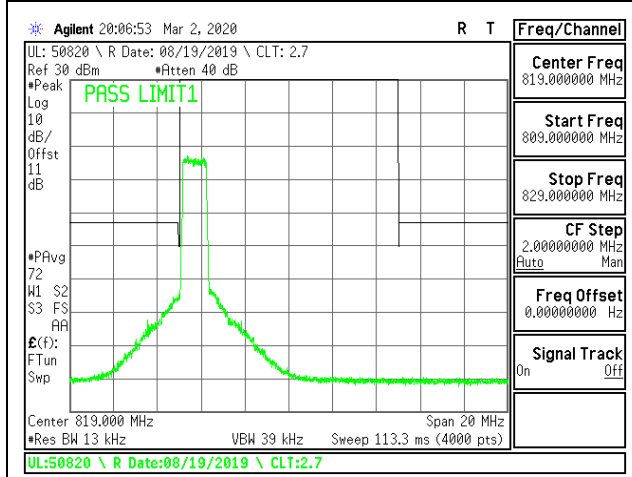




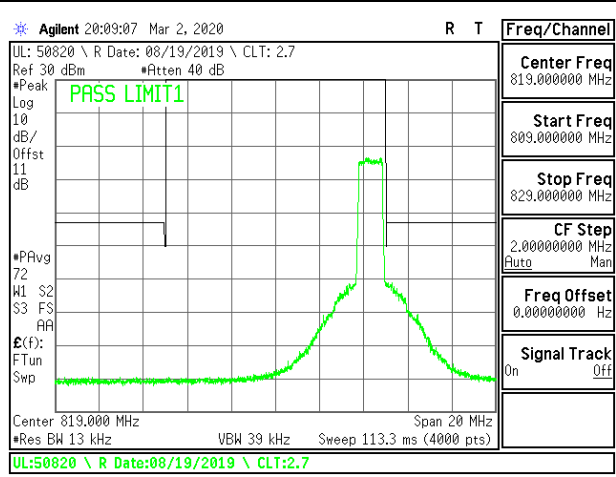
LTE B26 1.4MHz 16QAM Low Channel RB1-0



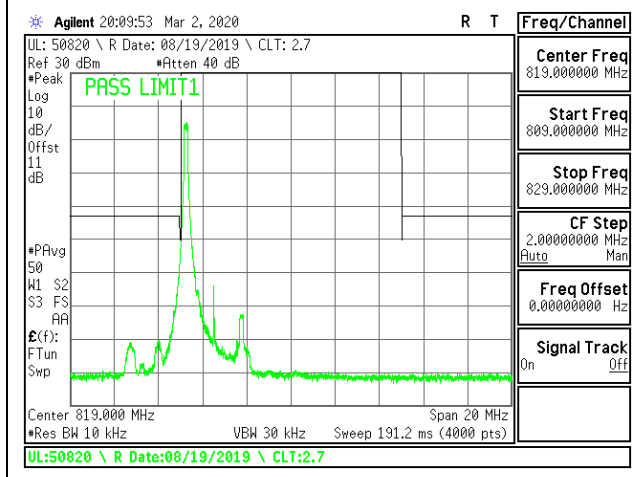
LTE B26 1.4MHz 16QAM High Channel RB1-5



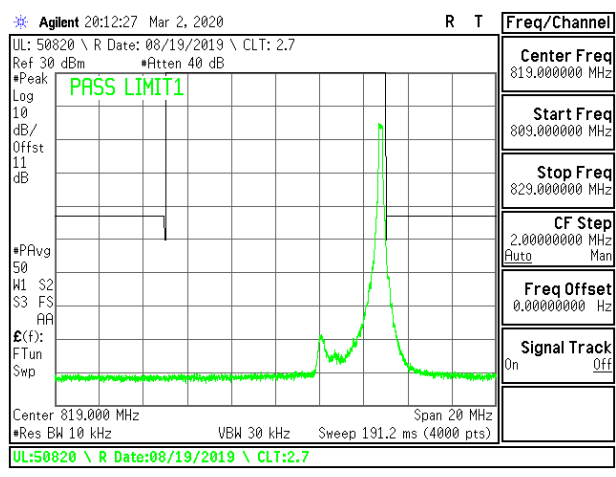
LTE B26 1.4MHz 16QAM Low Channel RB6-0



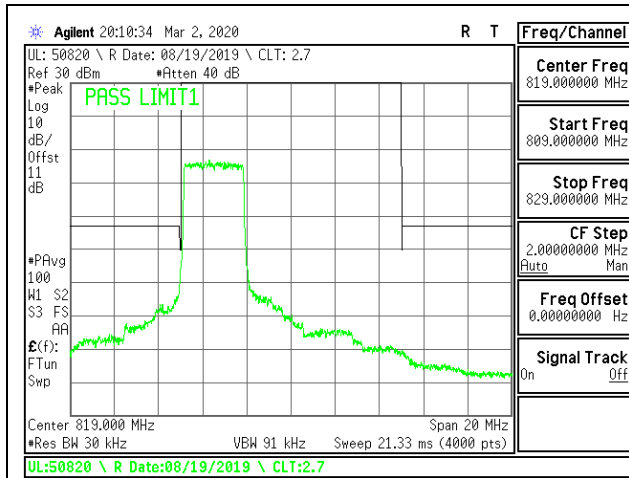
LTE B26 1.4MHz 16QAM High Channel RB6-0



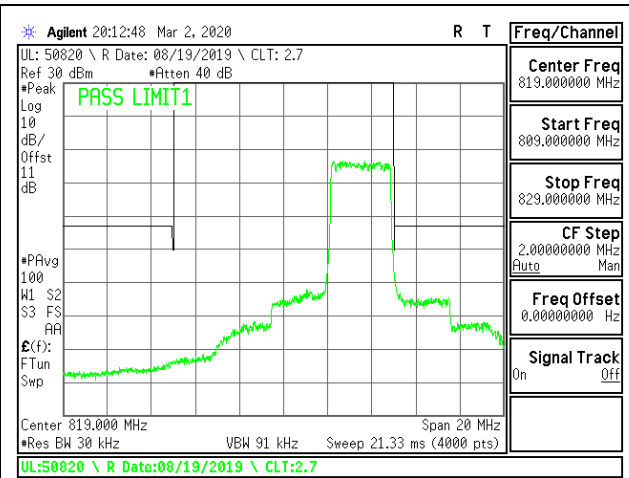
LTE B26 3MHz QPSK Low Channel RB1-0



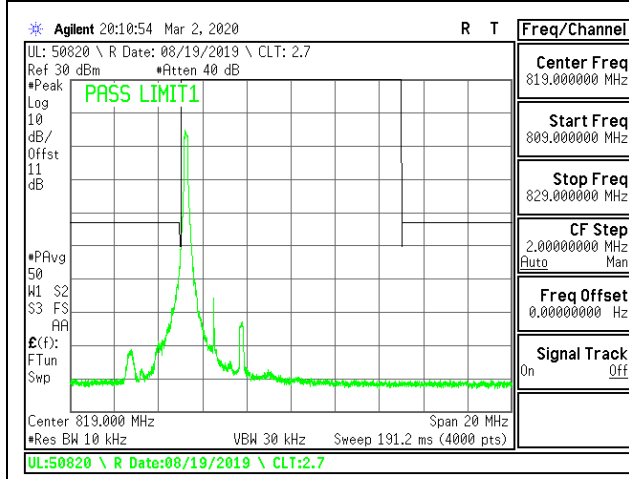
LTE B26 3MHz QPSK High Channel RB1-14



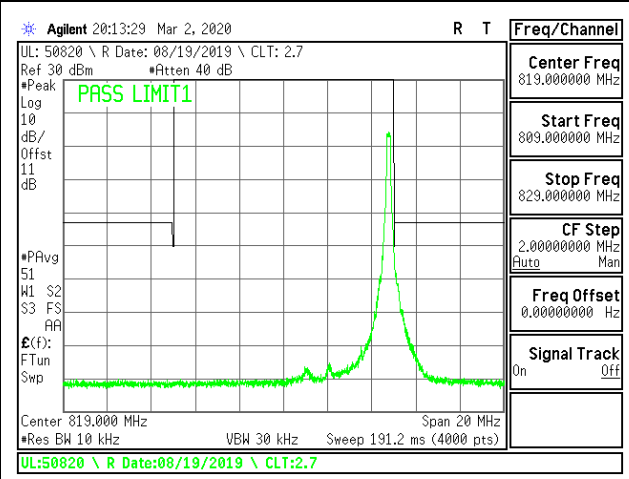
LTE B26 3MHz QPSK Low Channel RB15-0



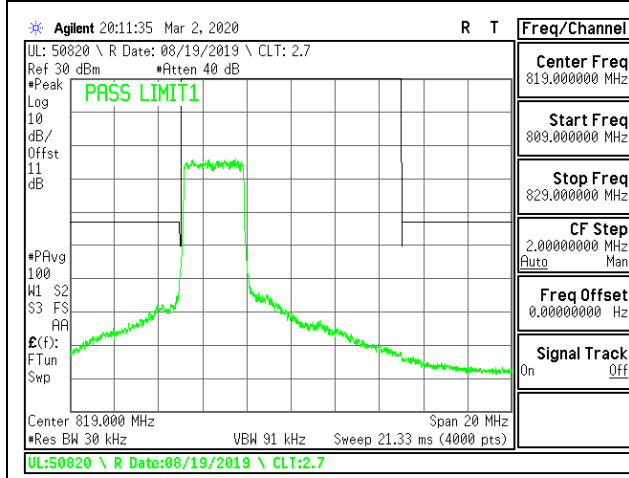
LTE B26 3MHz QPSK High Channel RB15-0



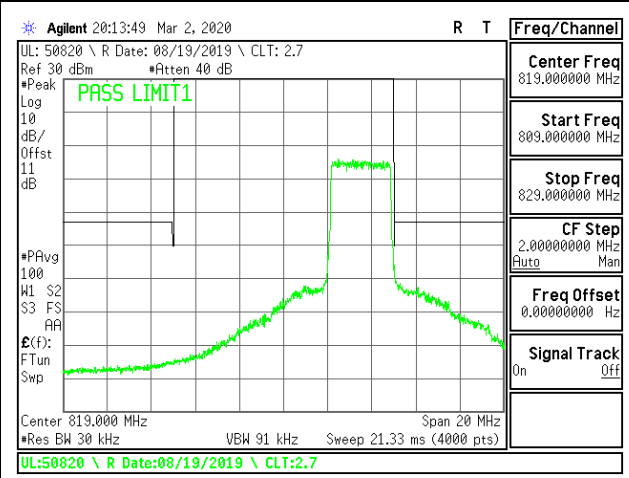
LTE B26 3MHz 16QAM Low Channel RB1-0



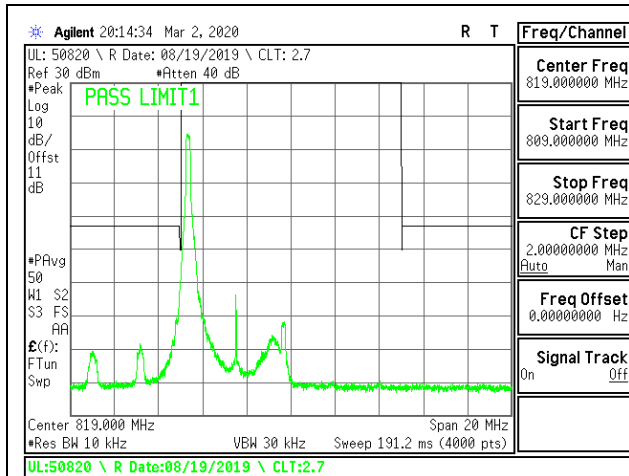
LTE B26 3MHz 16QAM High Channel RB1-14



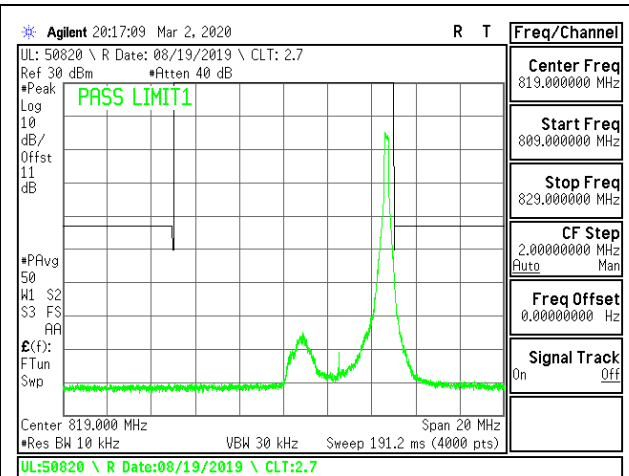
LTE B26 3MHz 16QAM Low Channel RB15-0



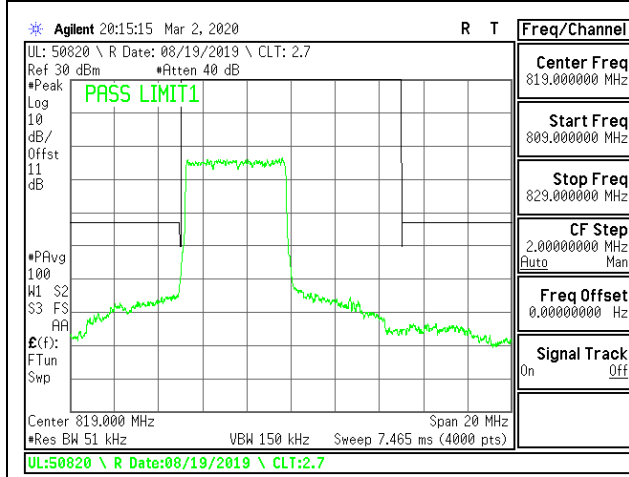
LTE B26 3MHz 16QAM High Channel RB15-0



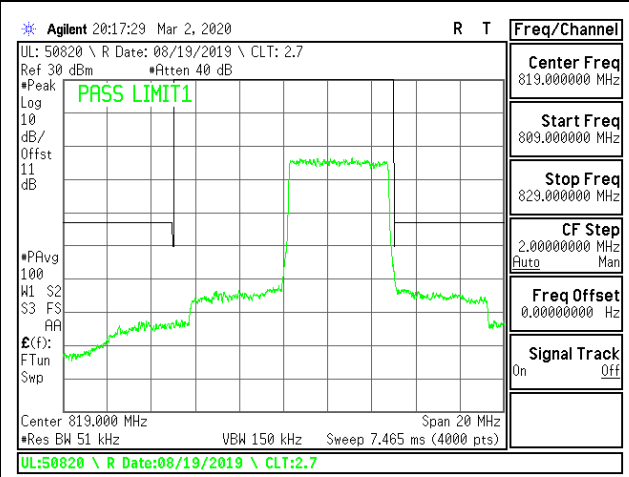
LTE B26 5MHz QPSK Low Channel RB1-0



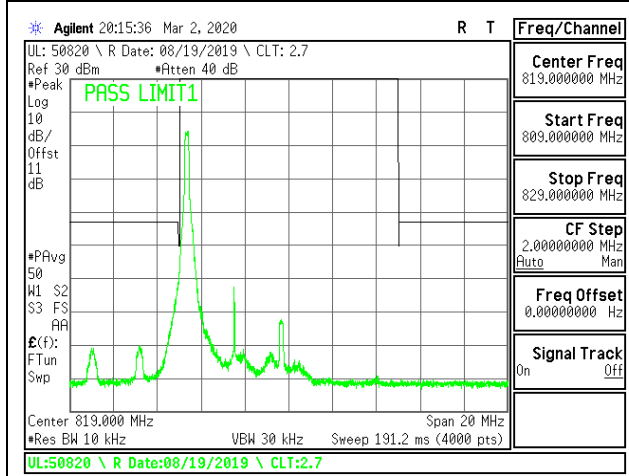
LTE B26 5MHz QPSK High Channel RB1-24



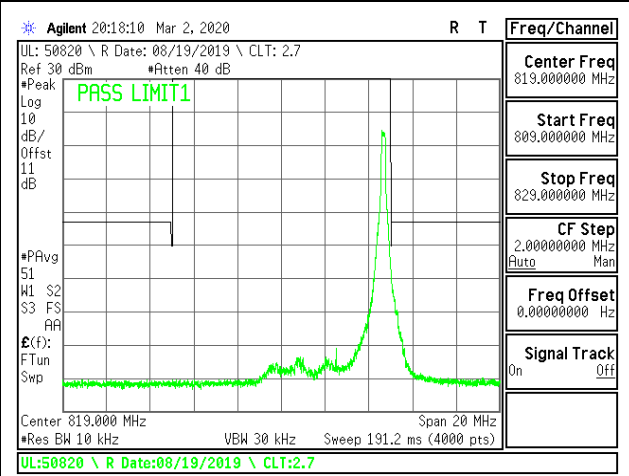
LTE B26 5MHz QPSK Low Channel RB25-0



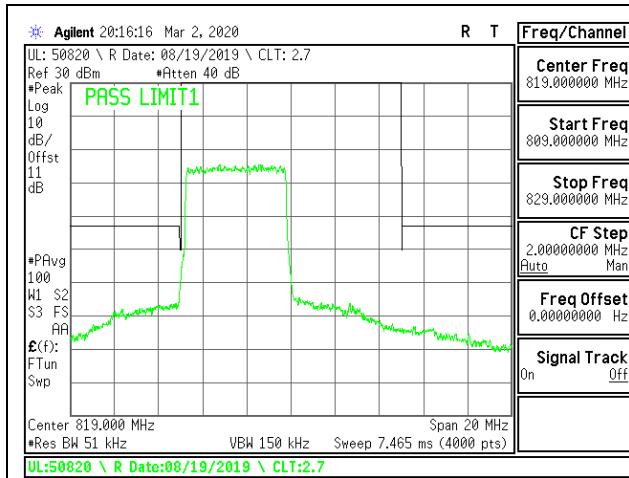
LTE B26 5MHz QPSK High Channel RB25-0



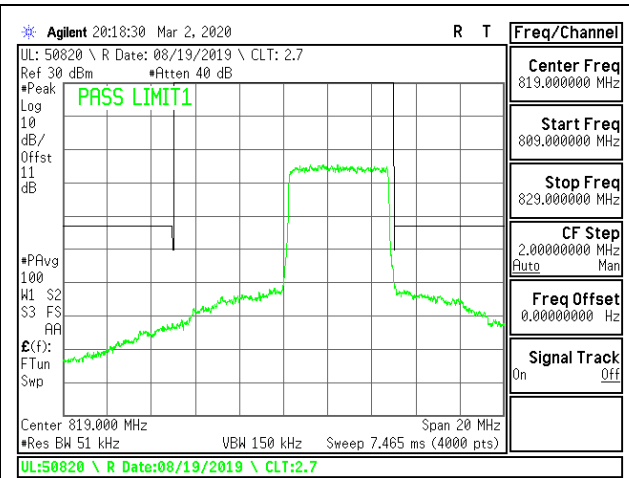
LTE B26 5MHz 16QAM Low Channel RB1-0



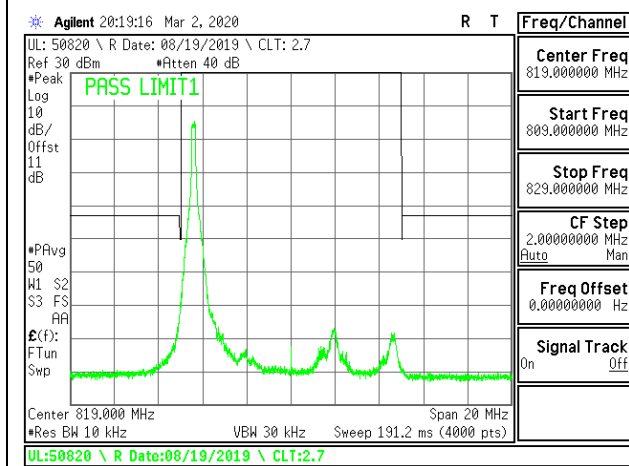
LTE B26 5MHz 16QAM High Channel RB1-24



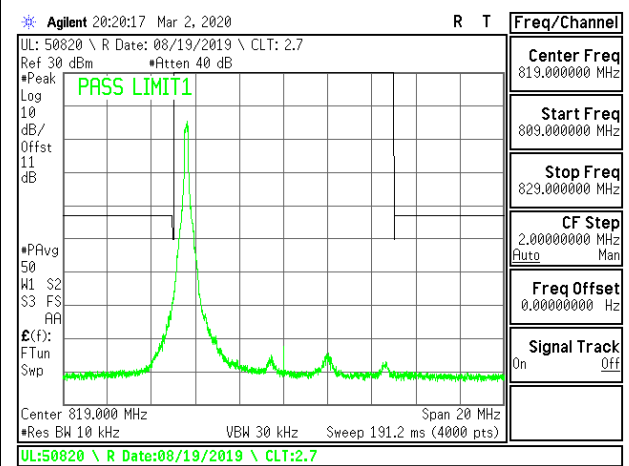
LTE B26 5MHz 16QAM Low Channel RB25-0



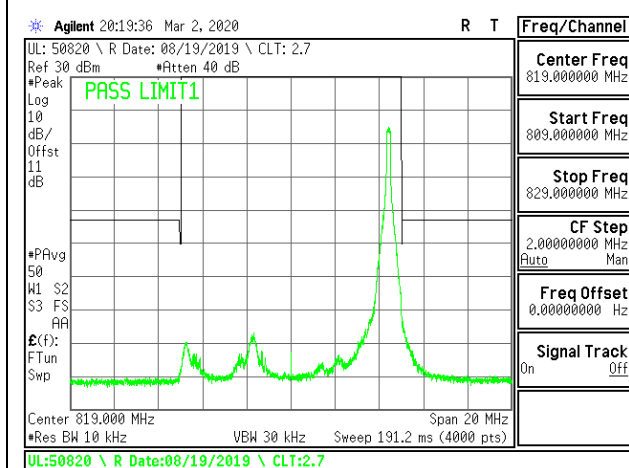
LTE B26 5MHz 16QAM High Channel RB25-0



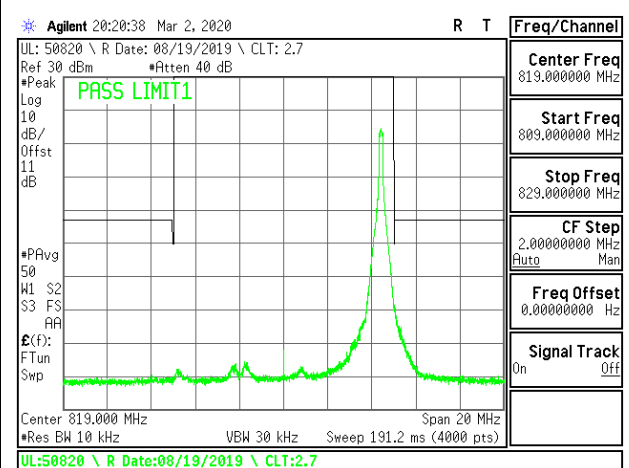
LTE B26 10MHz QPSK Middle Channel RB1-0



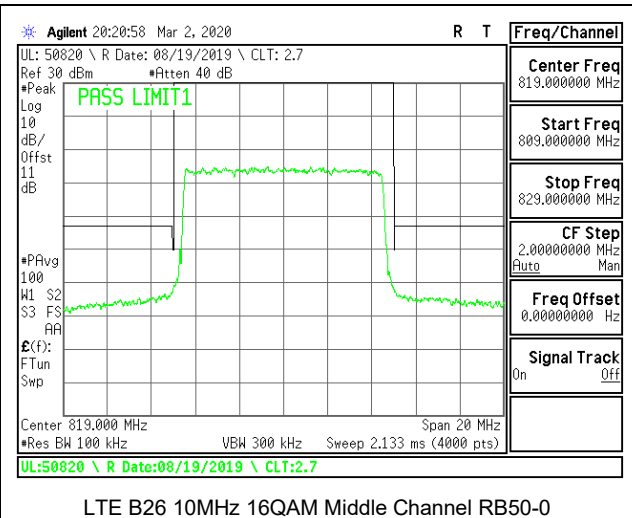
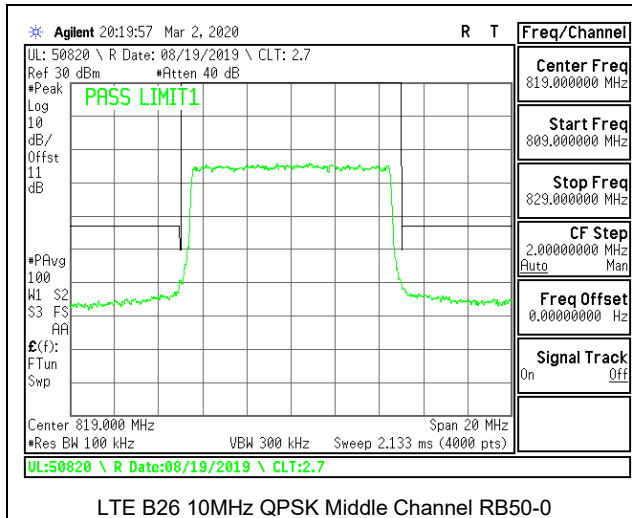
LTE B26 10MHz 16QAM Middle Channel RB1-0



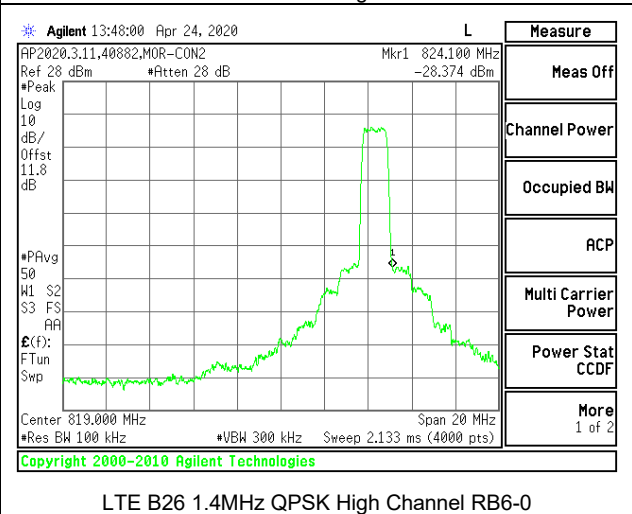
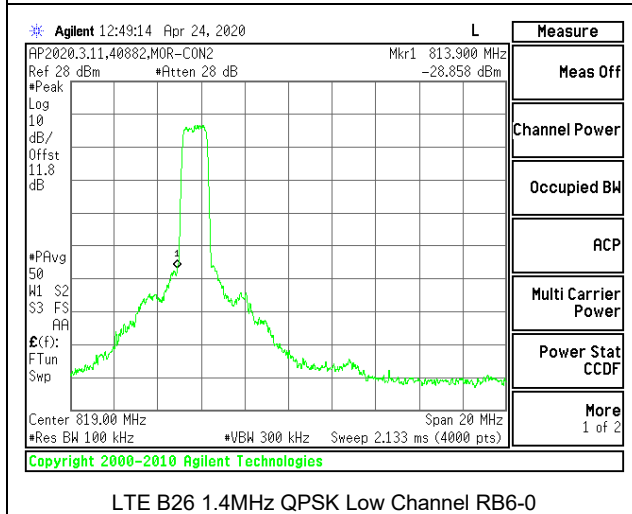
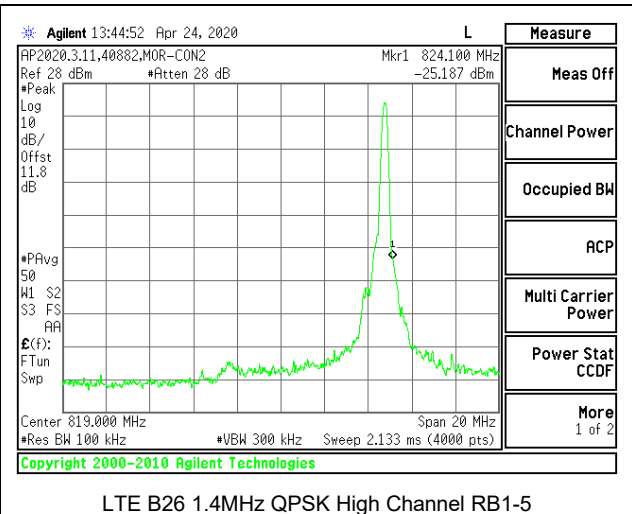
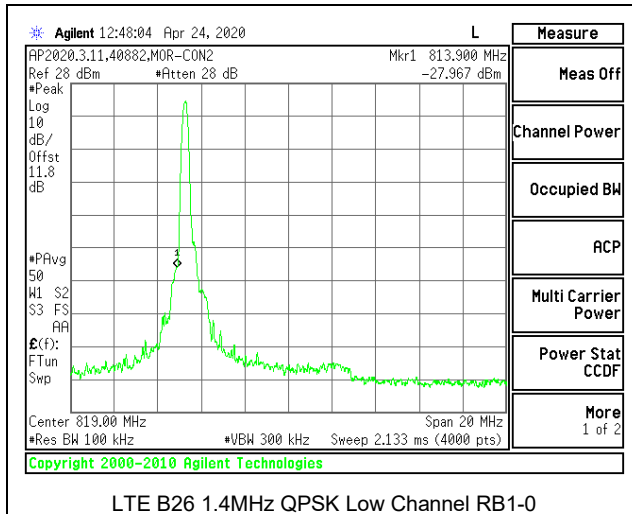
LTE B26 10MHz QPSK Middle Channel RB1-49

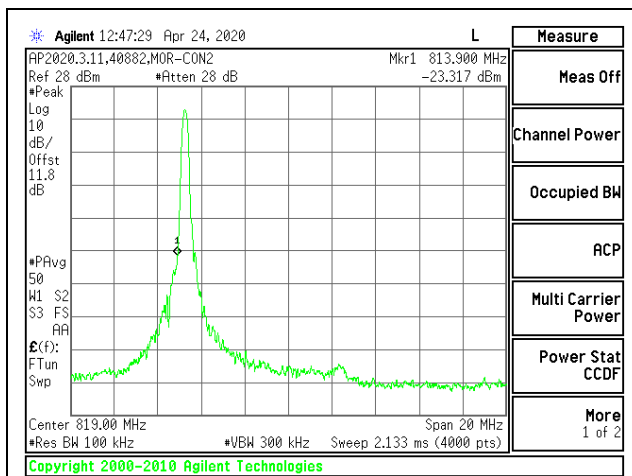


LTE B26 10MHz 16QAM Middle Channel RB1-49

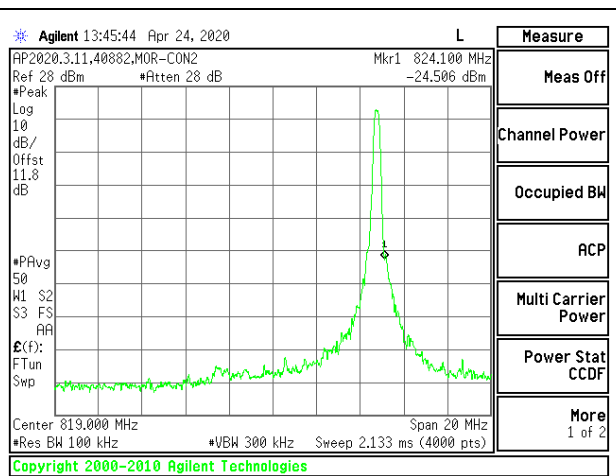


100kHz away from edge

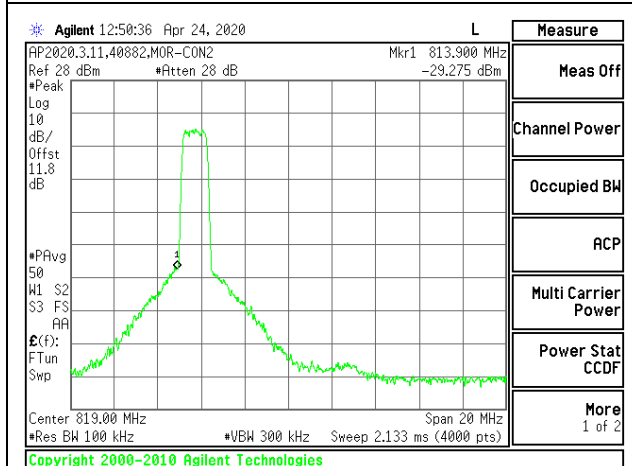




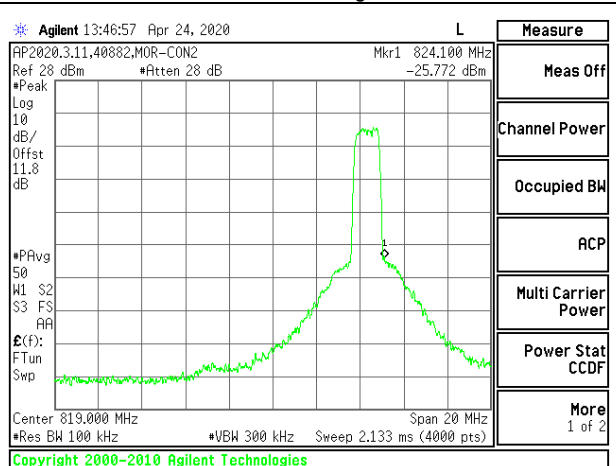
LTE B26 1.4MHz 16QAM Low Channel RB1-0



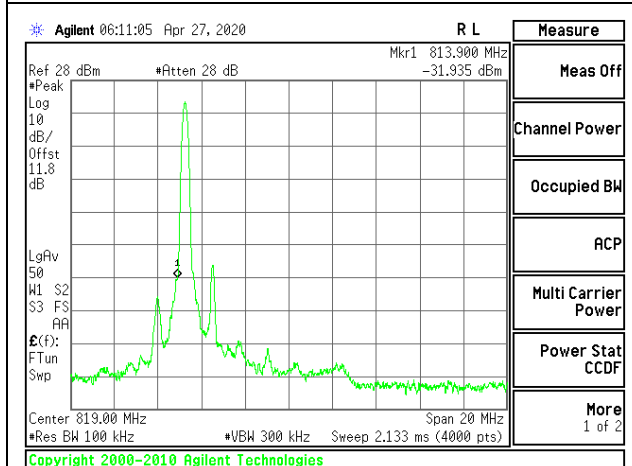
LTE B26 1.4MHz 16QAM High Channel RB1-5



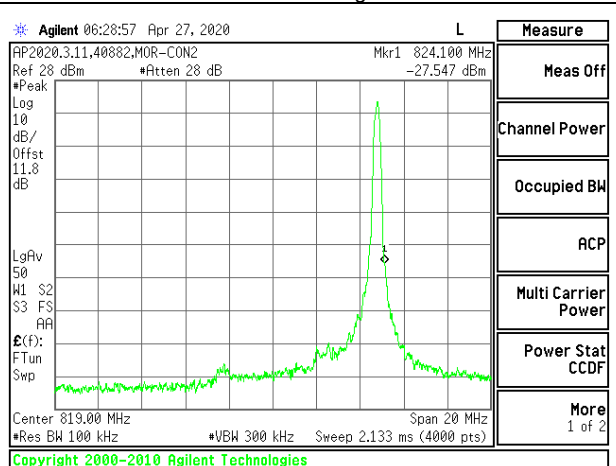
LTE B26 1.4MHz 16QAM Low Channel RB6-0



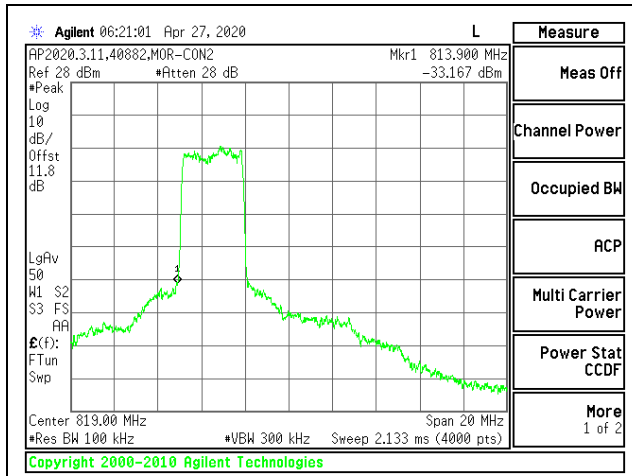
LTE B26 1.4MHz 16QAM High Channel RB6-0



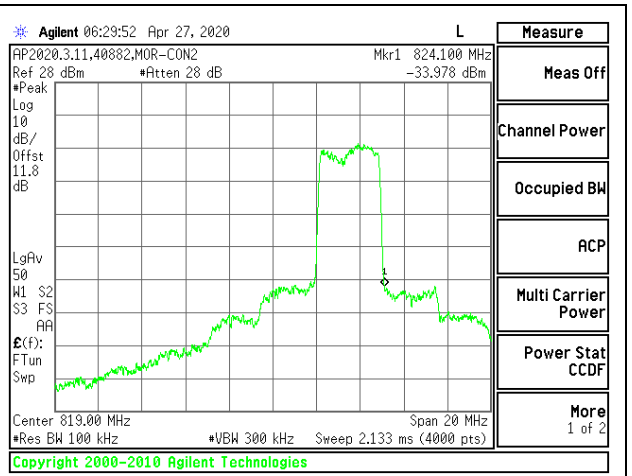
LTE B26 3MHz QPSK Low Channel RB1-0



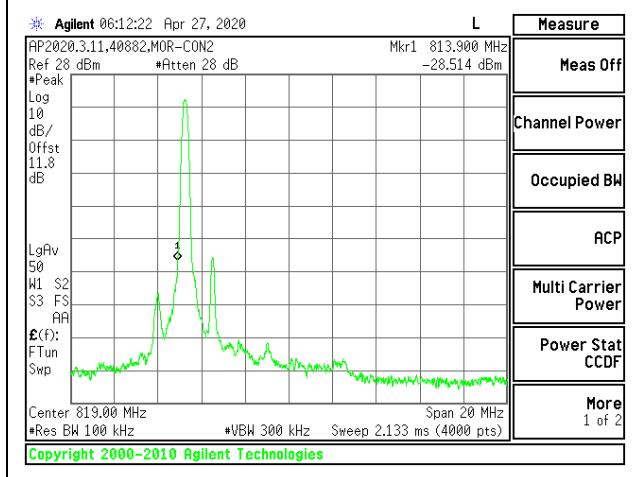
LTE B26 3MHz QPSK High Channel RB1-14



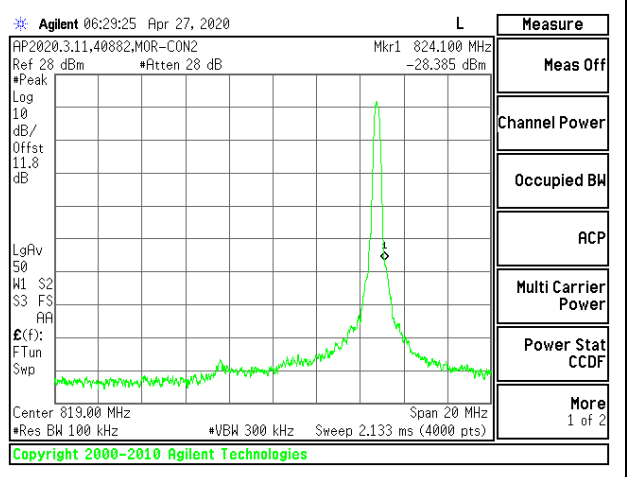
LTE B26 3MHz QPSK Low Channel RB15-0



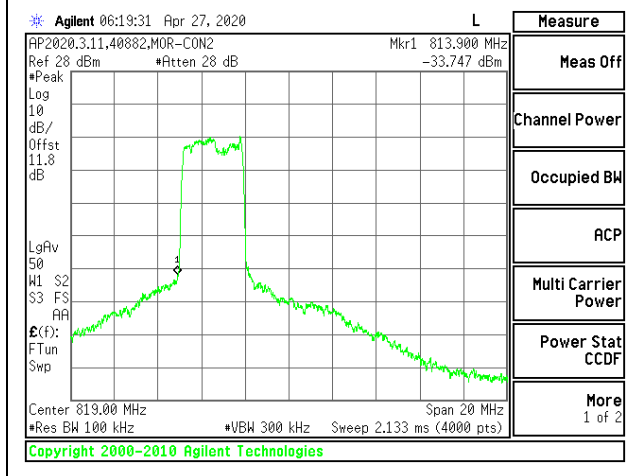
LTE B26 3MHz QPSK High Channel RB15-0



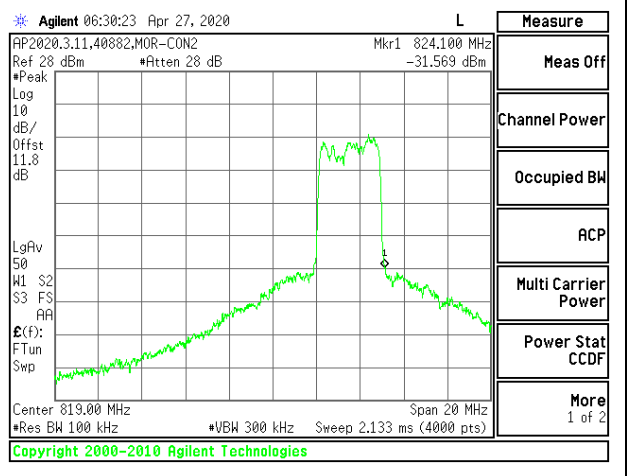
LTE B26 3MHz 16QAM Low Channel RB1-0



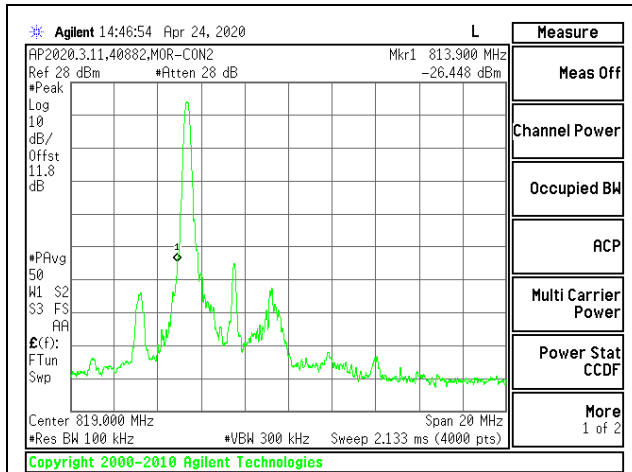
LTE B26 3MHz 16QAM High Channel RB1-14



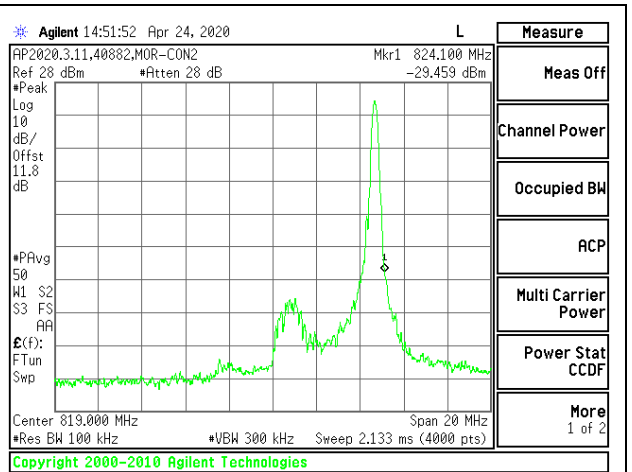
LTE B26 3MHz 16QAM Low Channel RB15-0



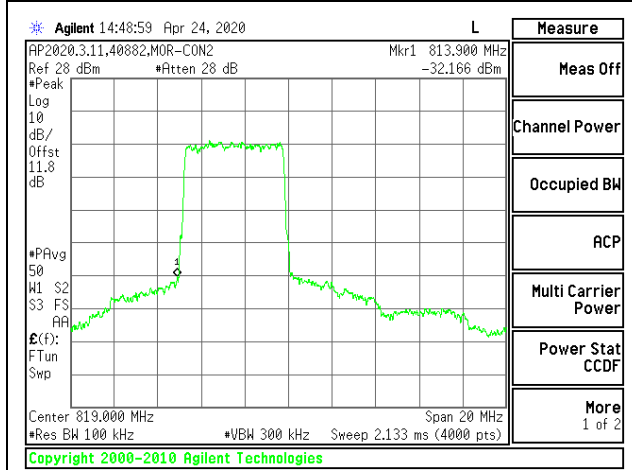
LTE B26 3MHz 16QAM High Channel RB15-0



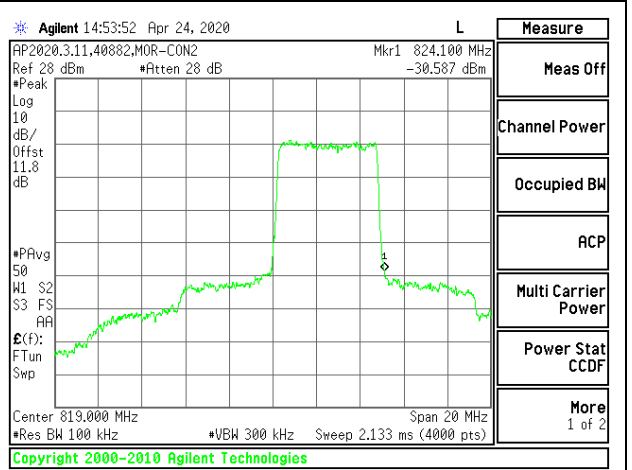
LTE B26 5MHz QPSK Low Channel RB1-0



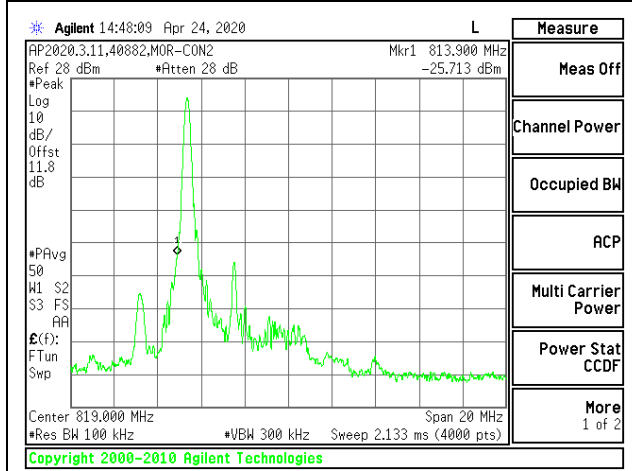
LTE B26 5MHz QPSK High Channel RB1-24



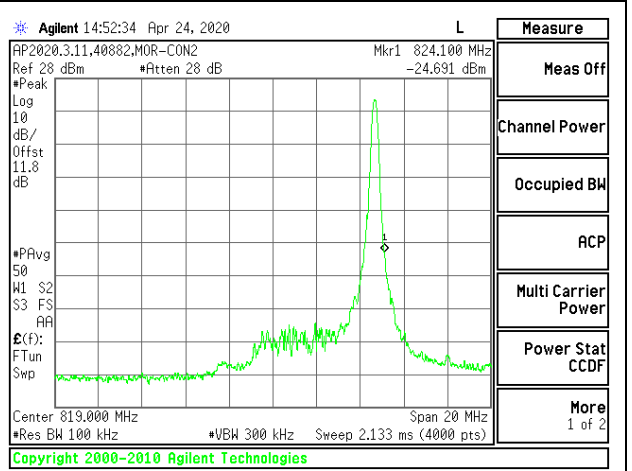
LTE B26 5MHz QPSK Low Channel RB25-0



LTE B26 5MHz QPSK High Channel RB25-0



LTE B26 5MHz 16QAM Low Channel RB1-0



LTE B26 5MHz 16QAM High Channel RB1-24