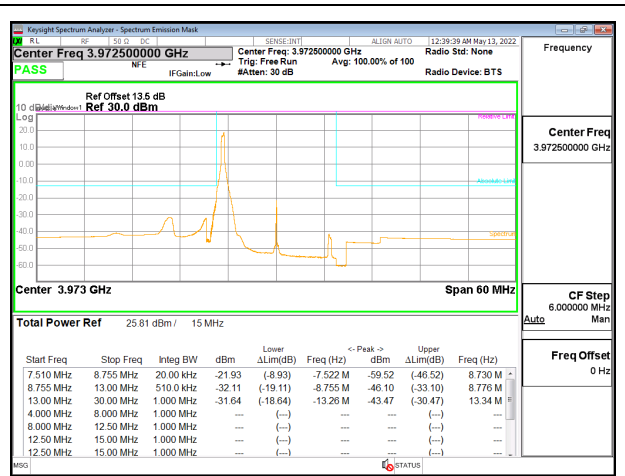
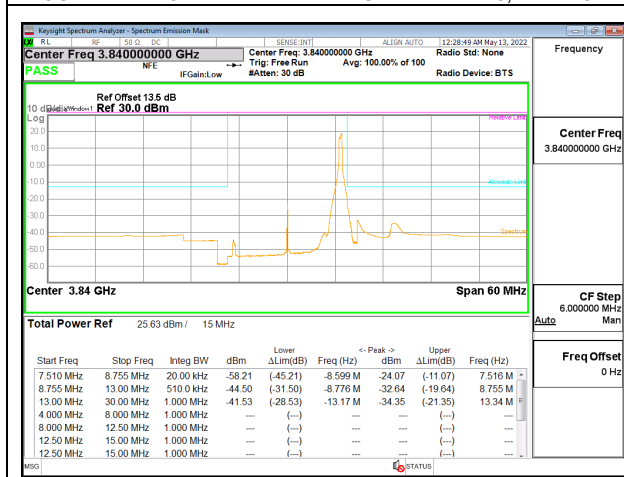


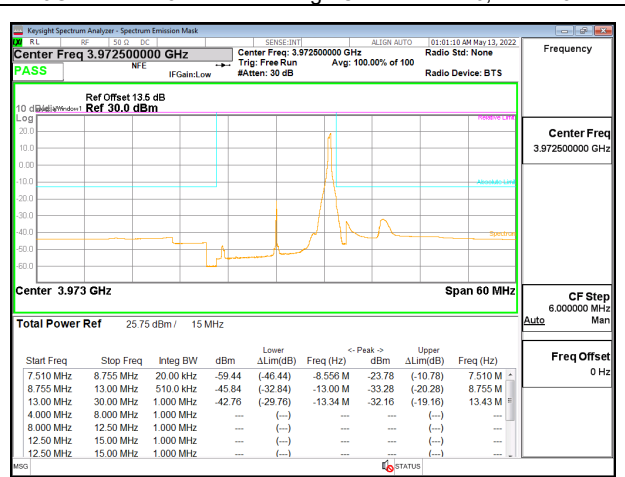
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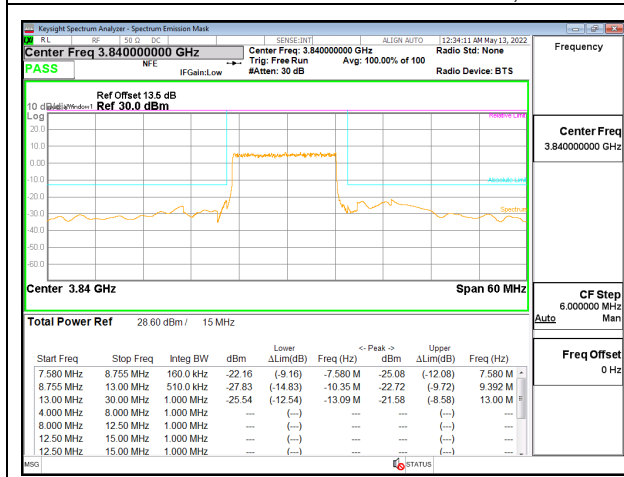
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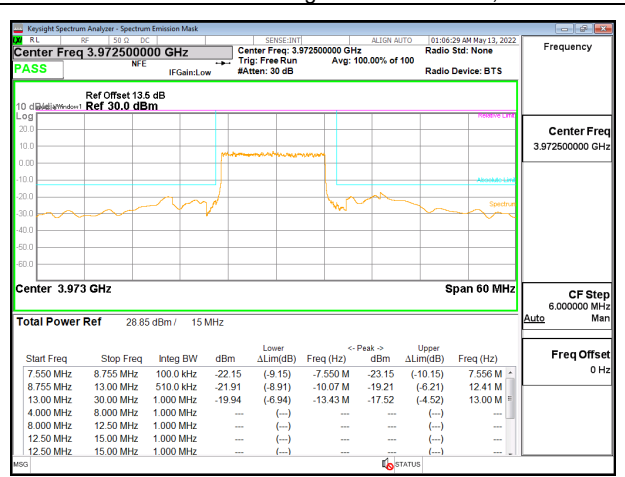
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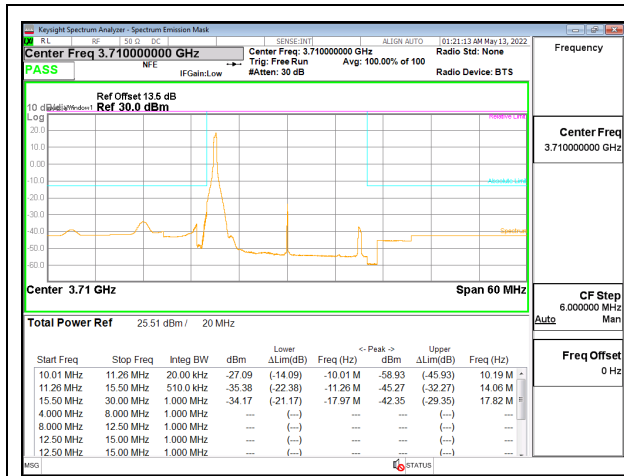
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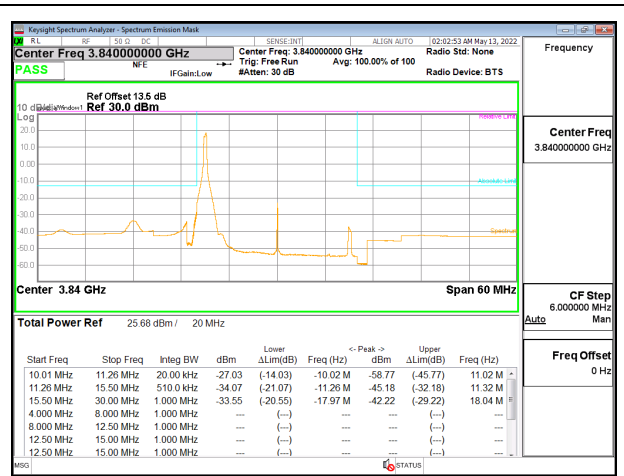
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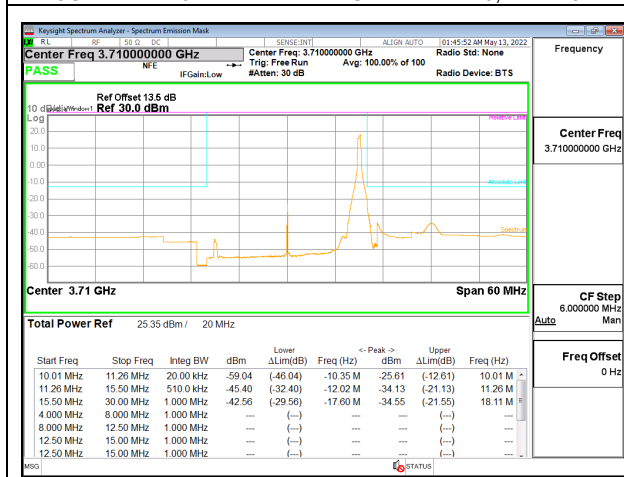
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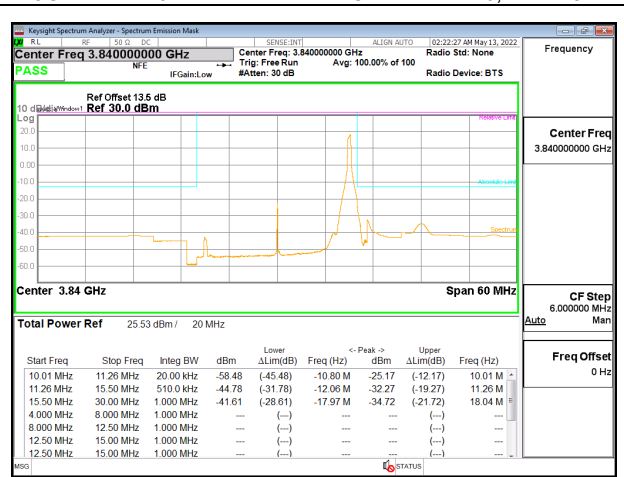
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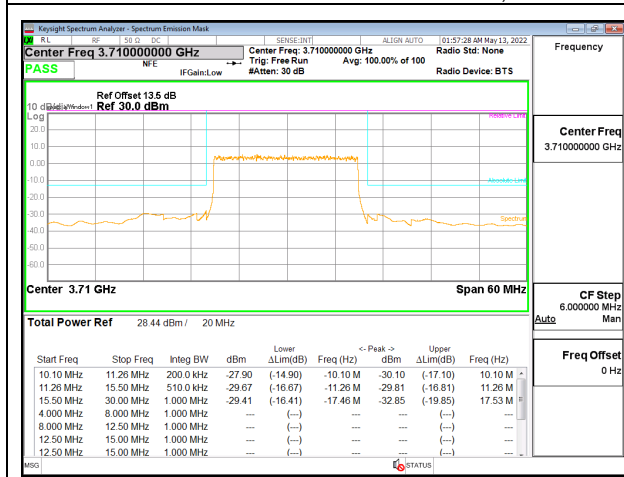
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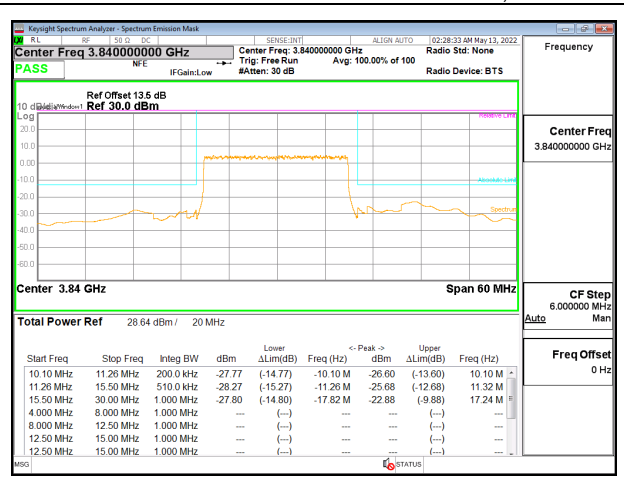
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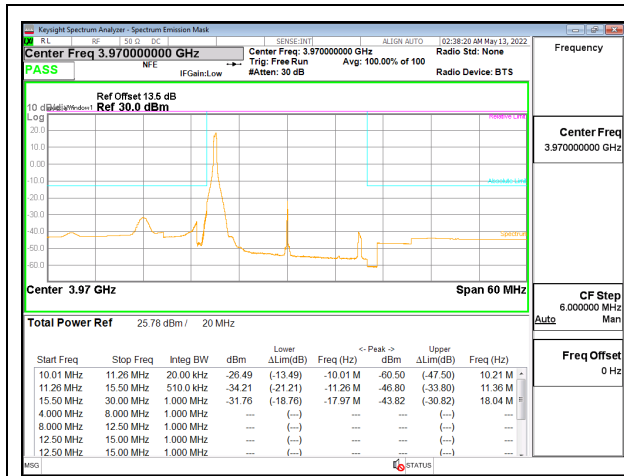
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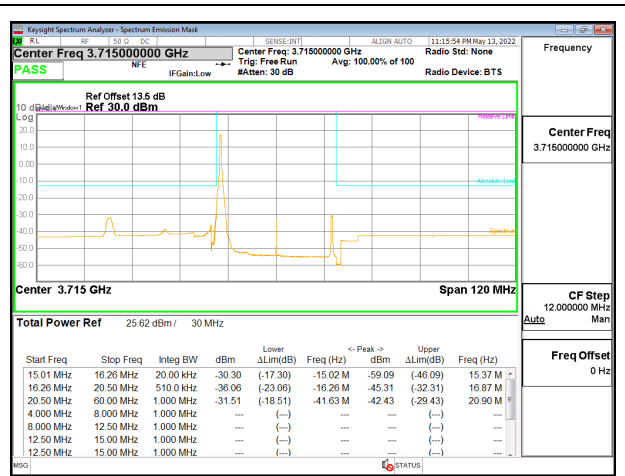
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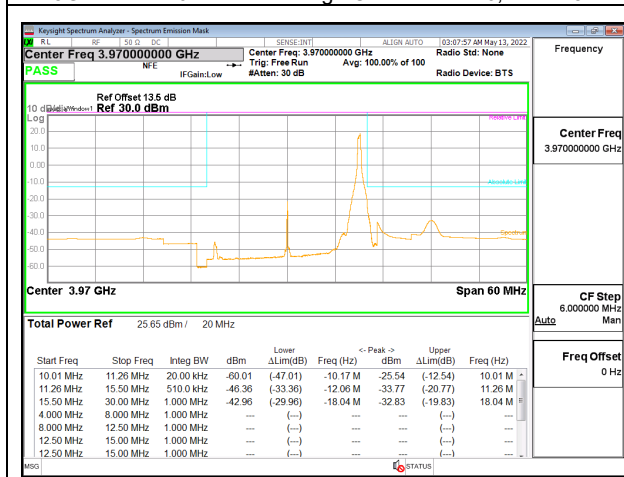
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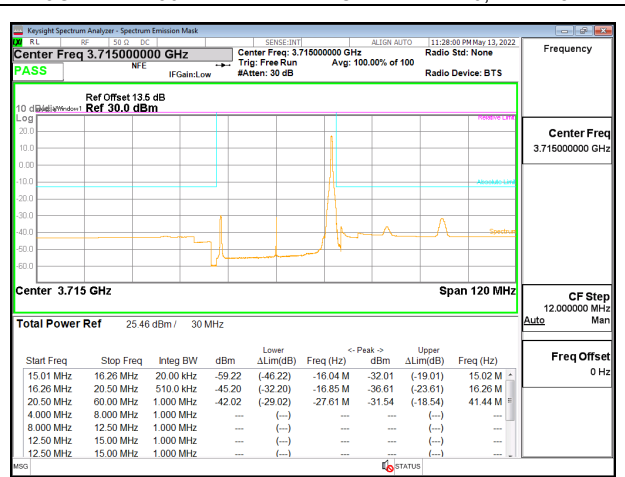
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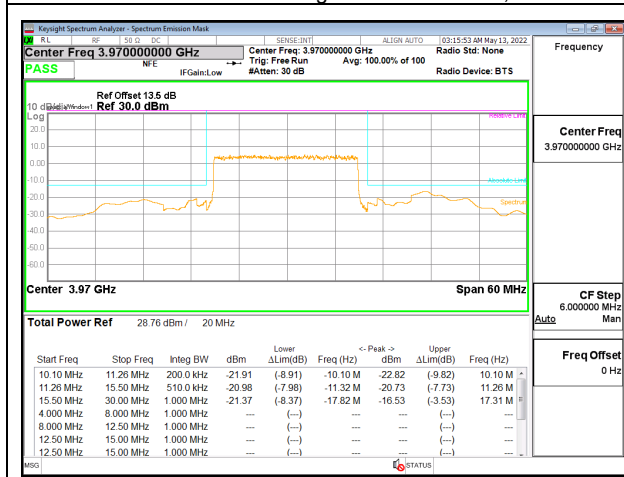
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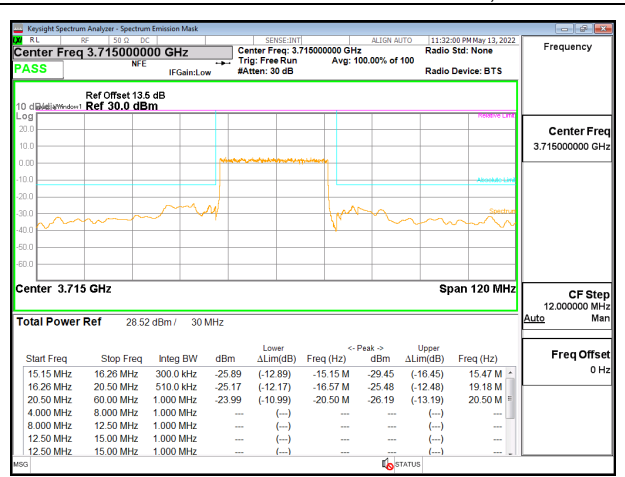
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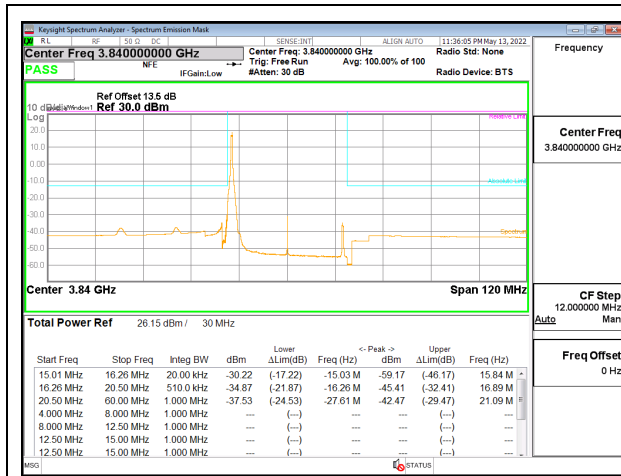
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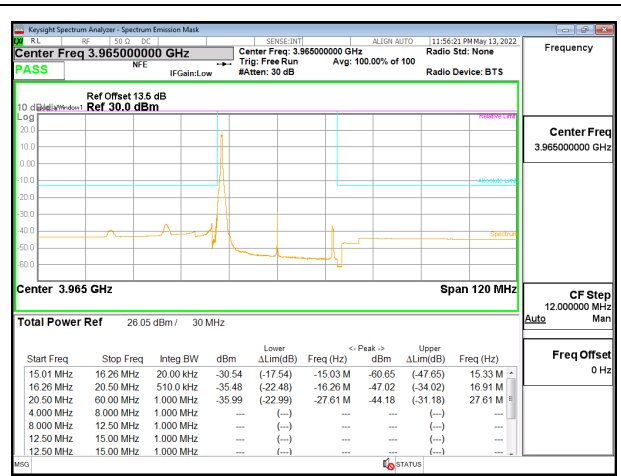
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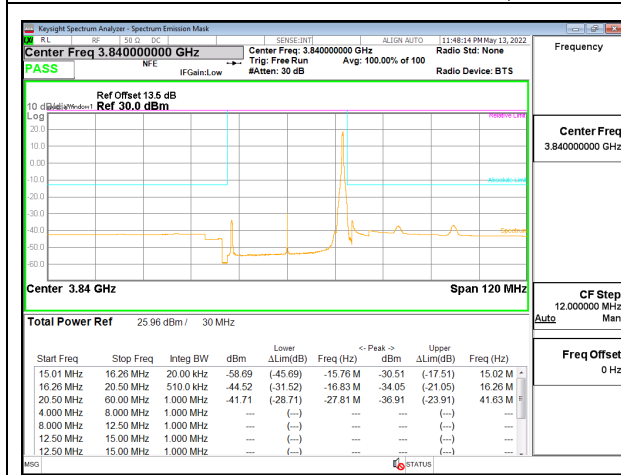
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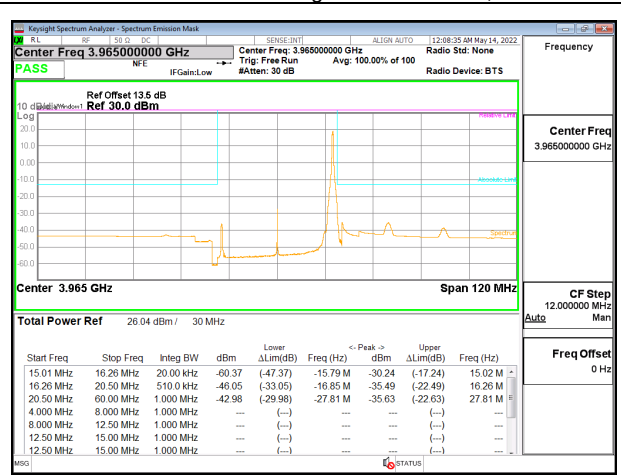
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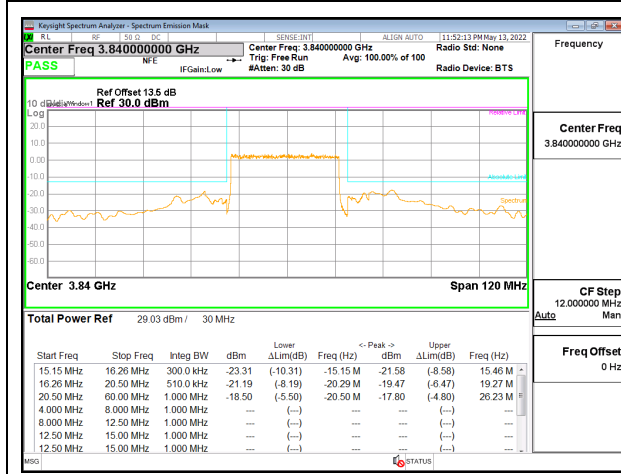
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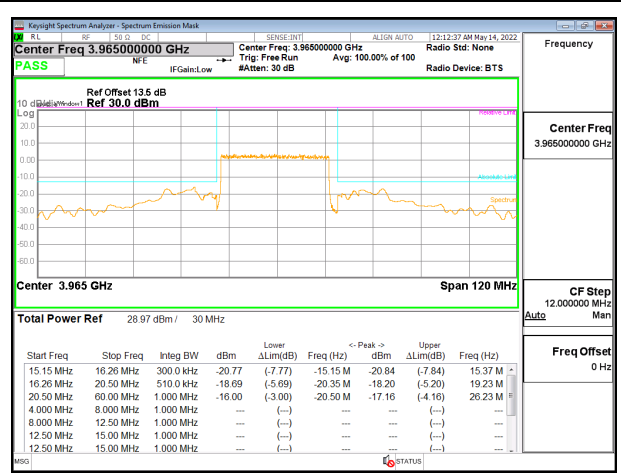
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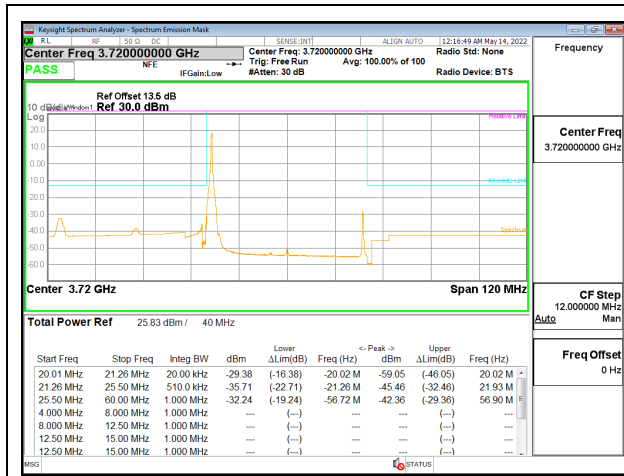
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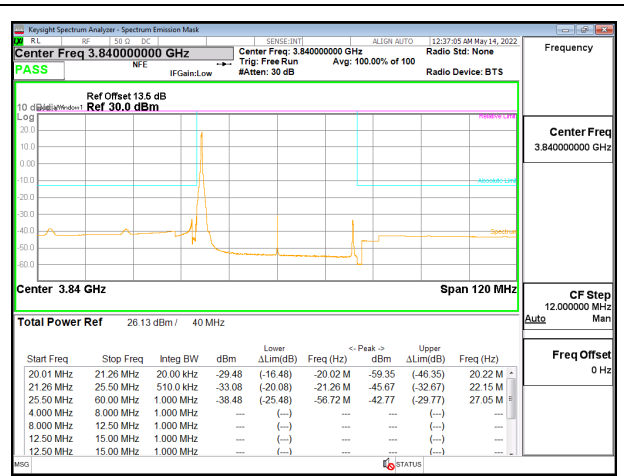
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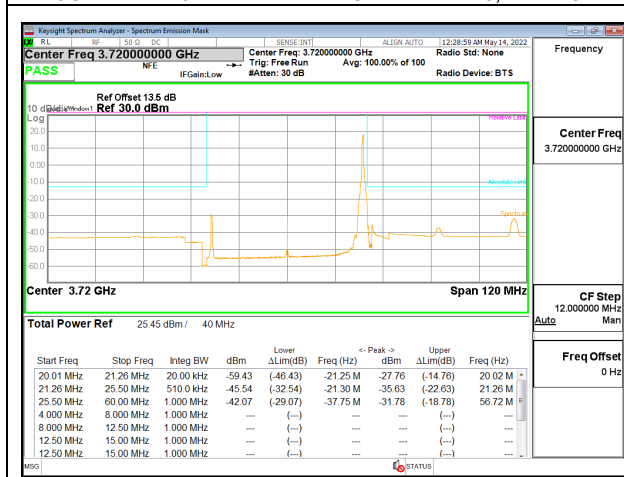
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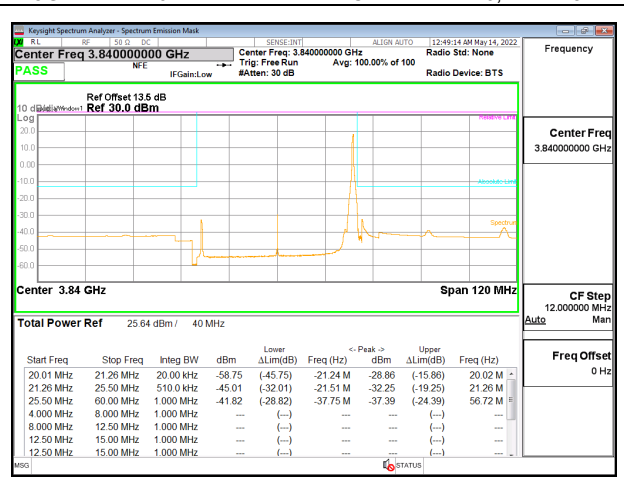
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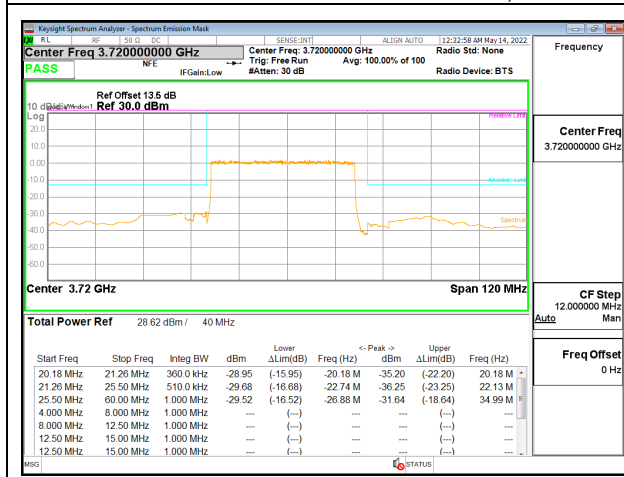
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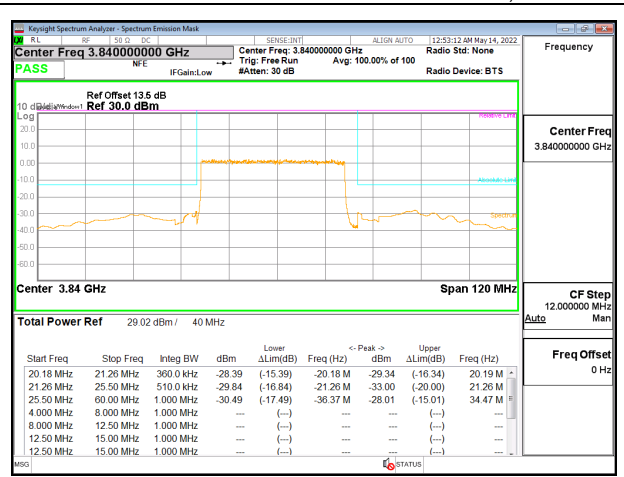
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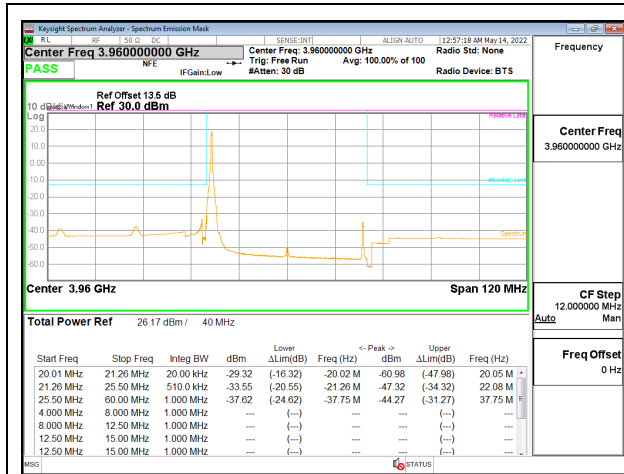
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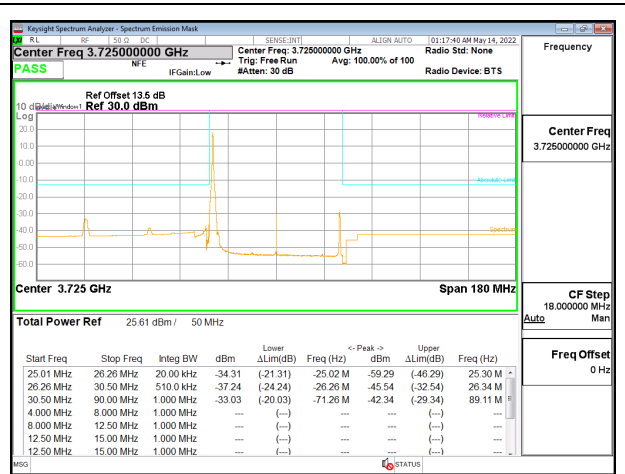
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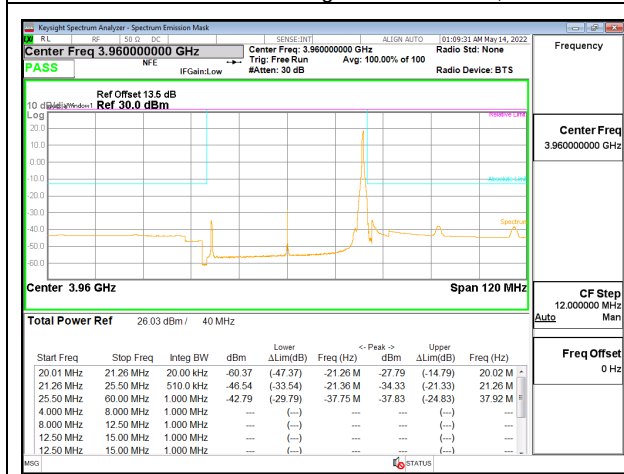
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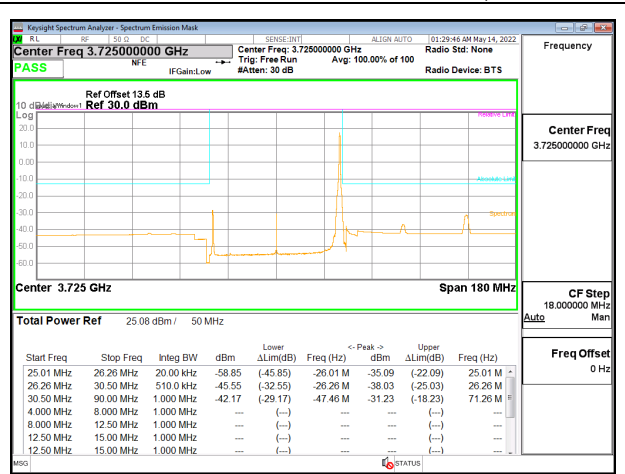
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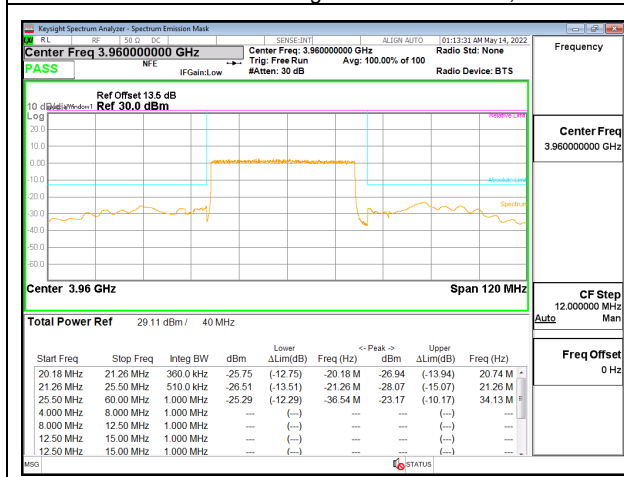
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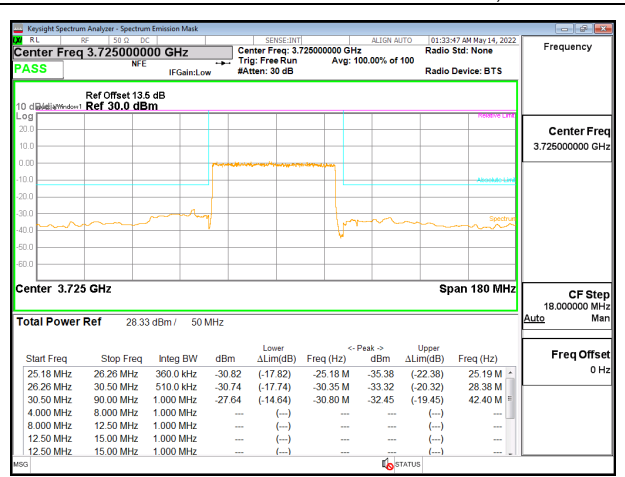
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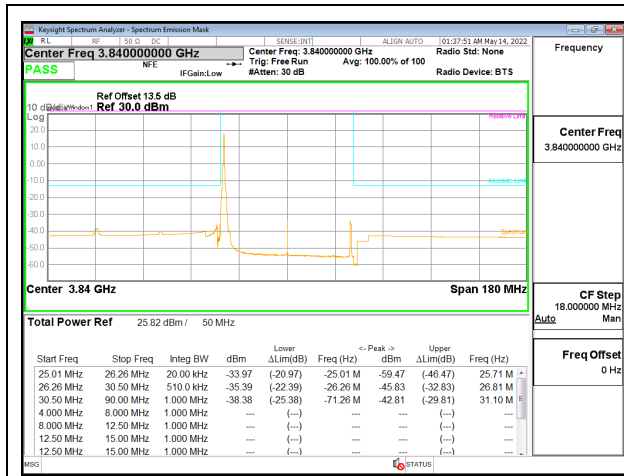
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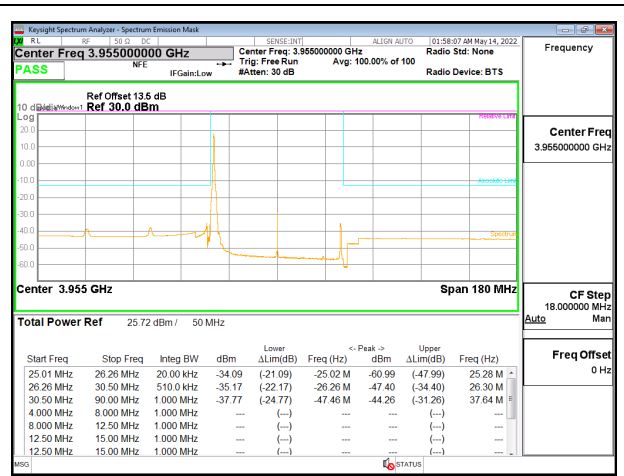
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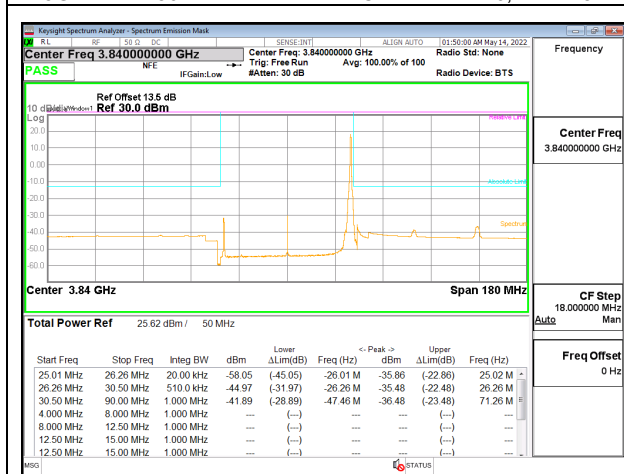
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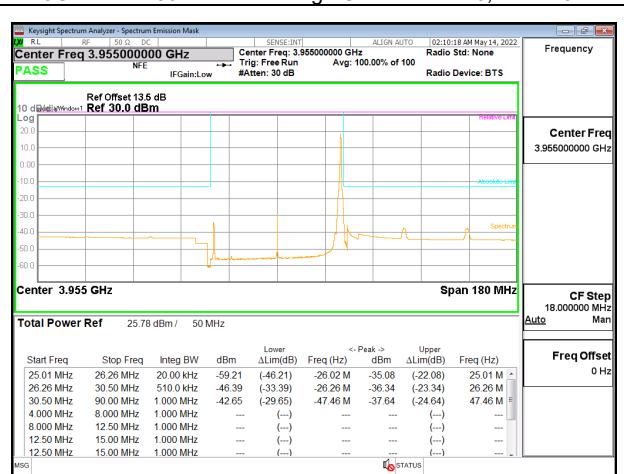
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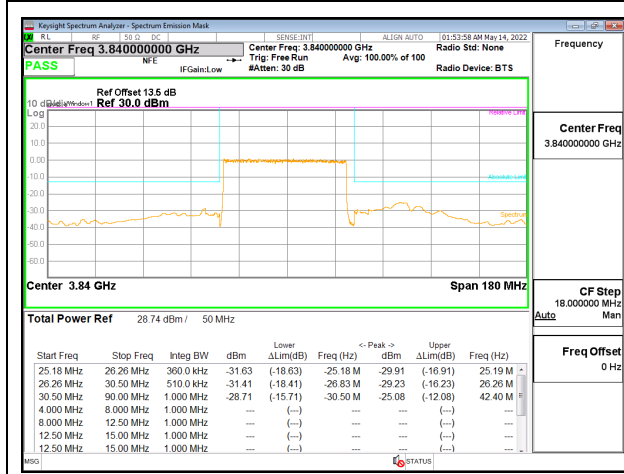
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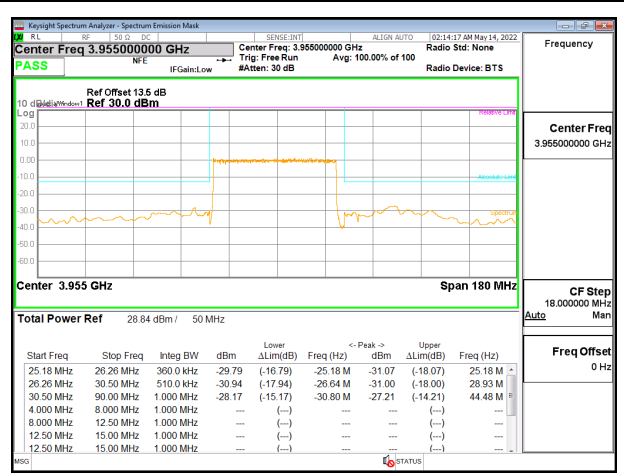
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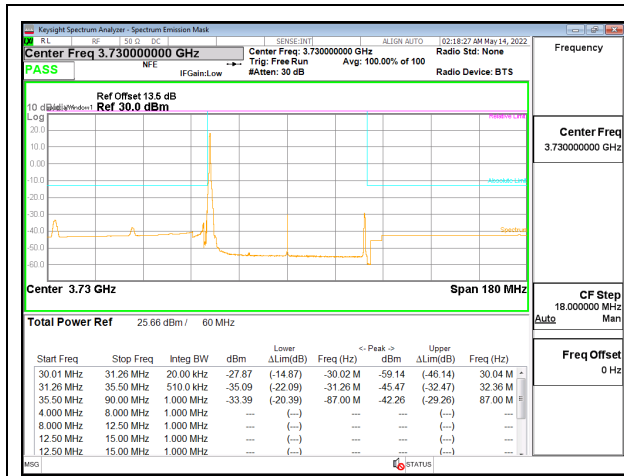
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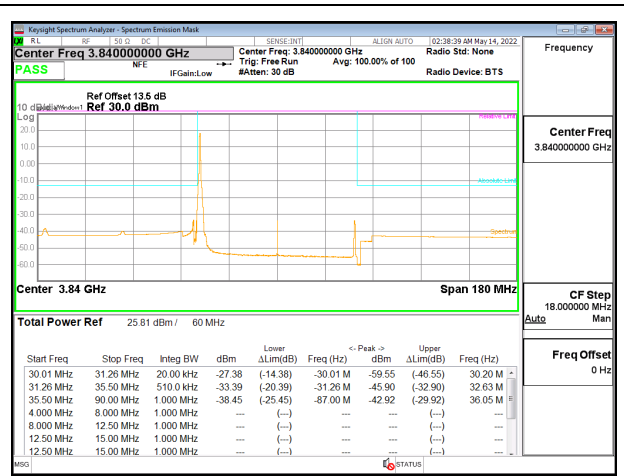
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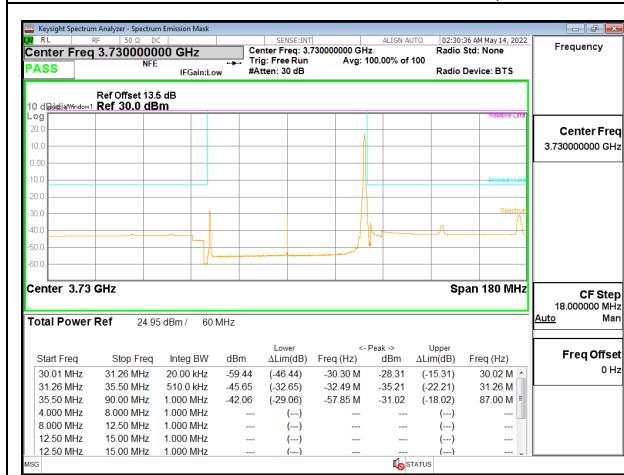
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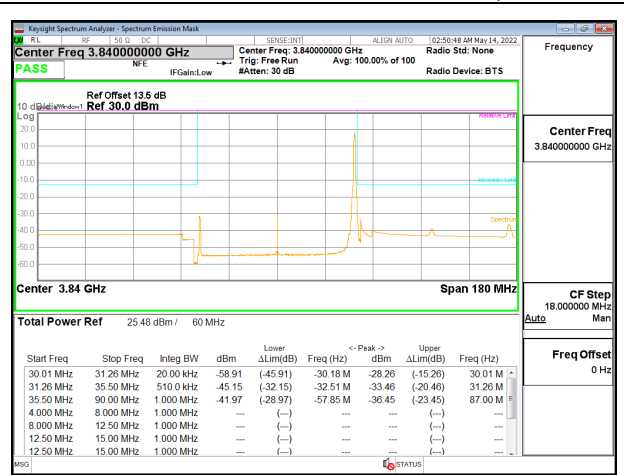
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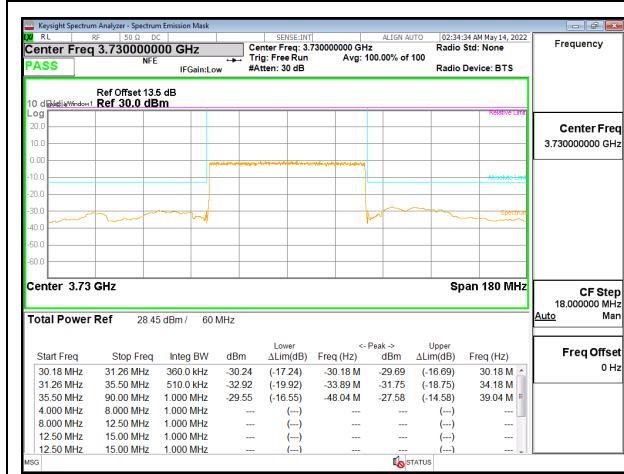
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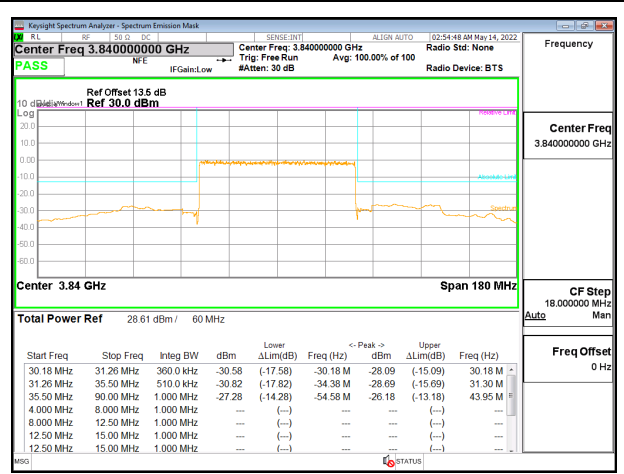
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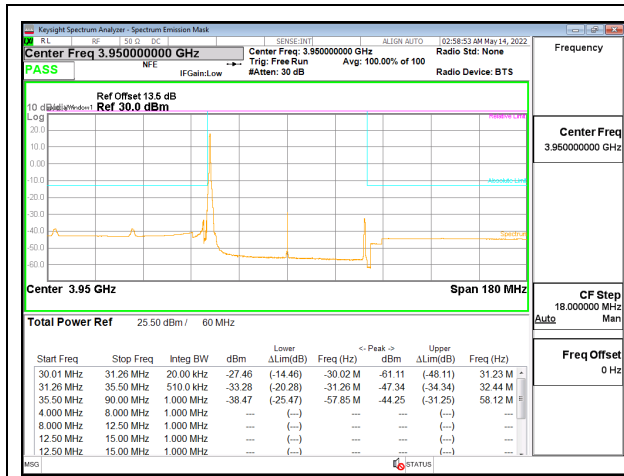
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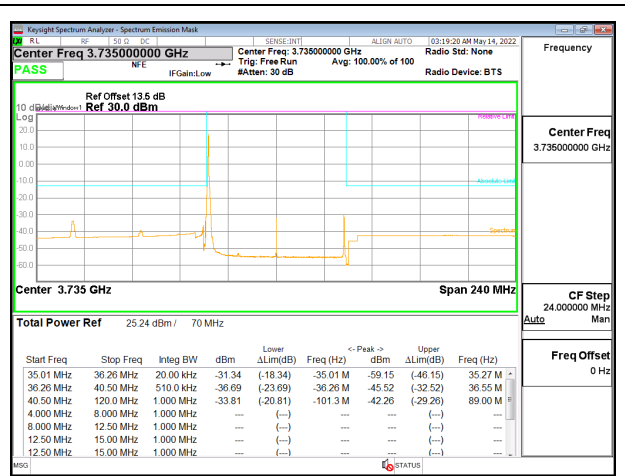
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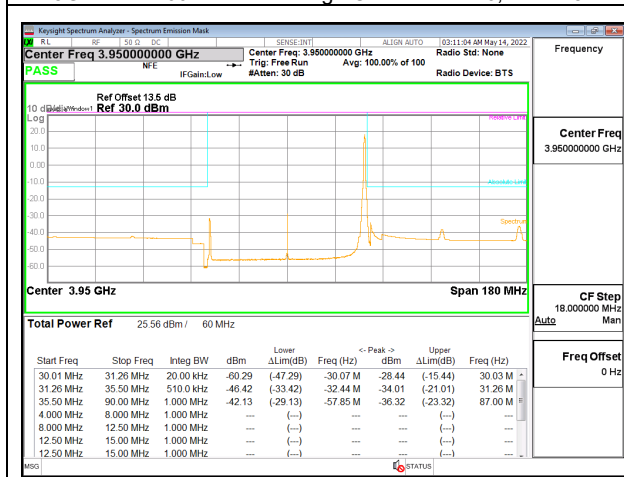
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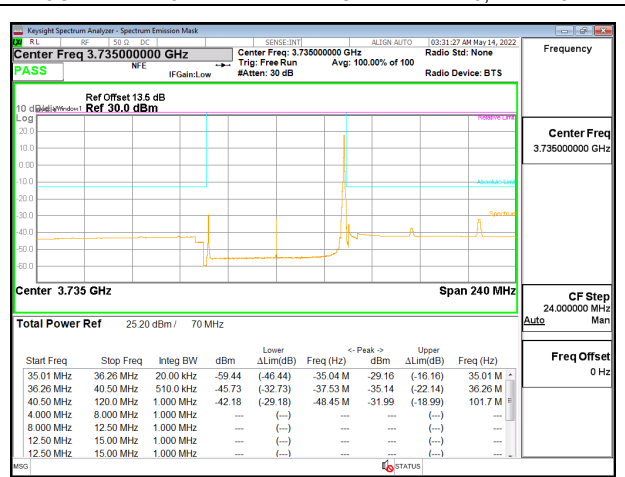
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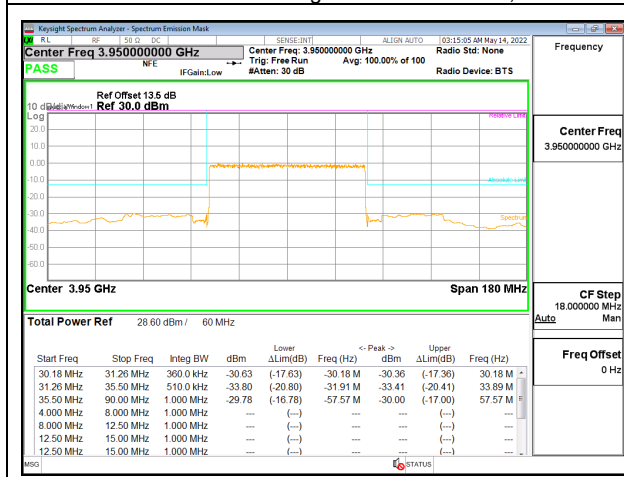
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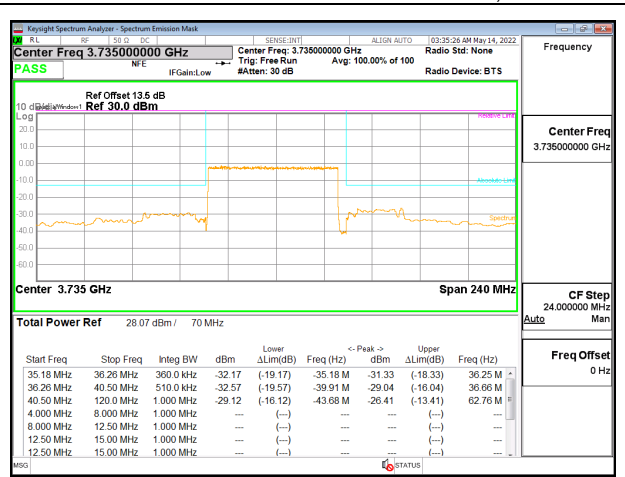
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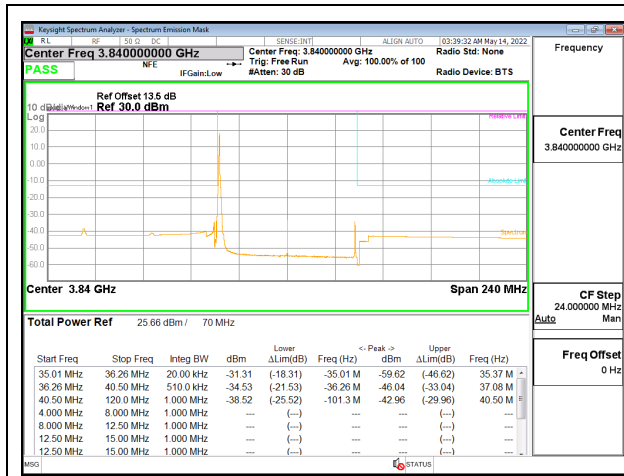
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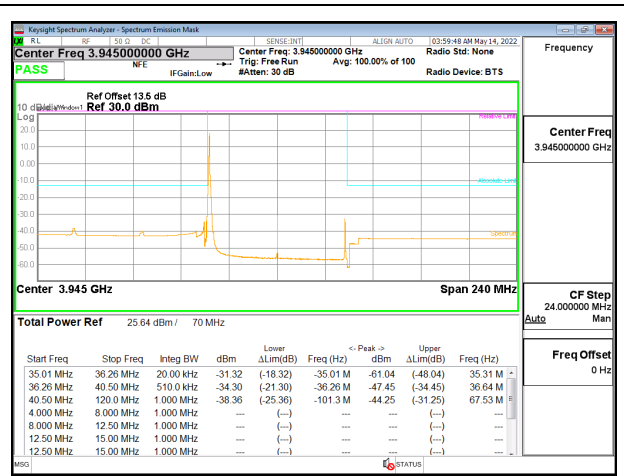
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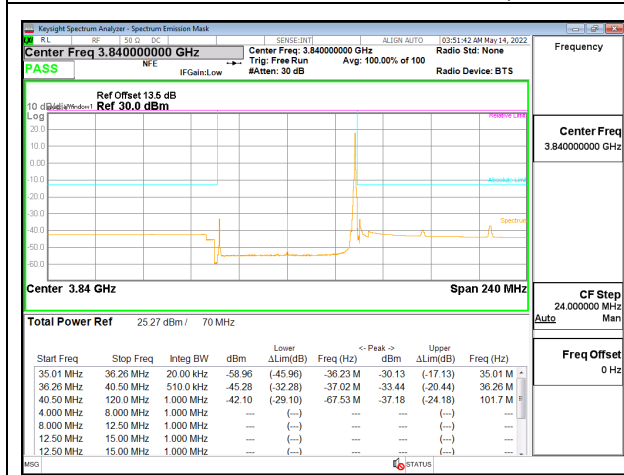
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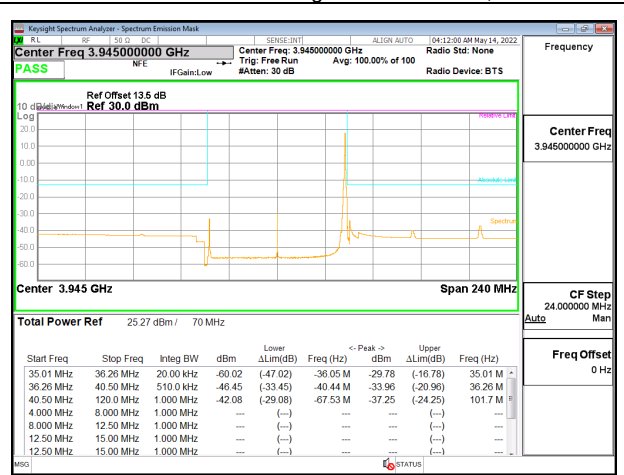
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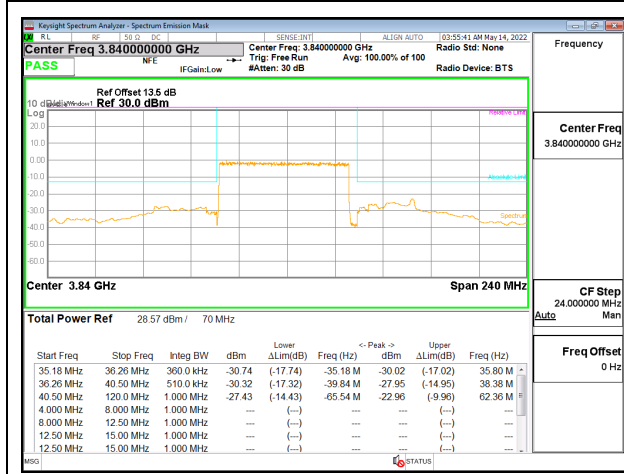
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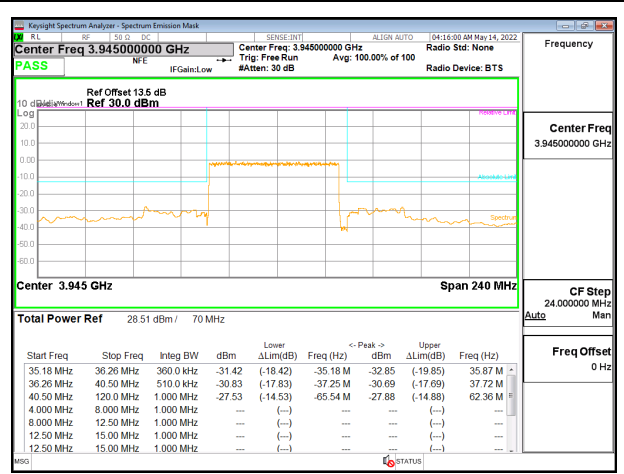
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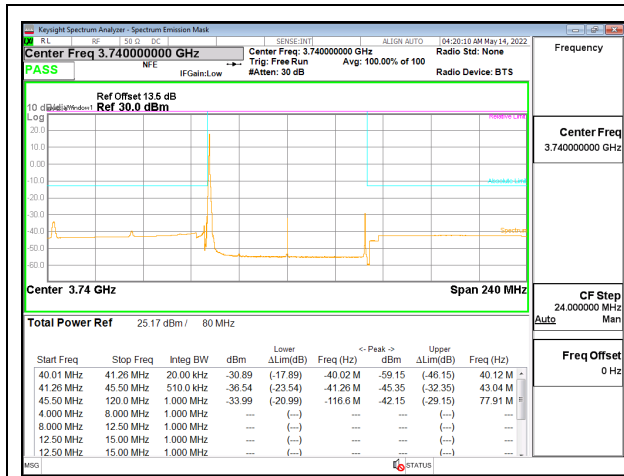
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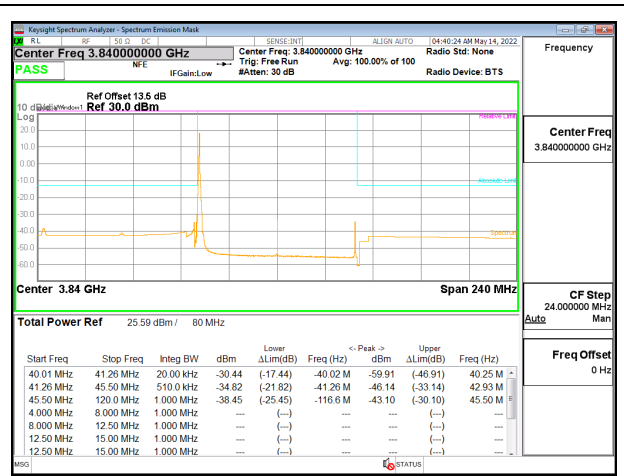
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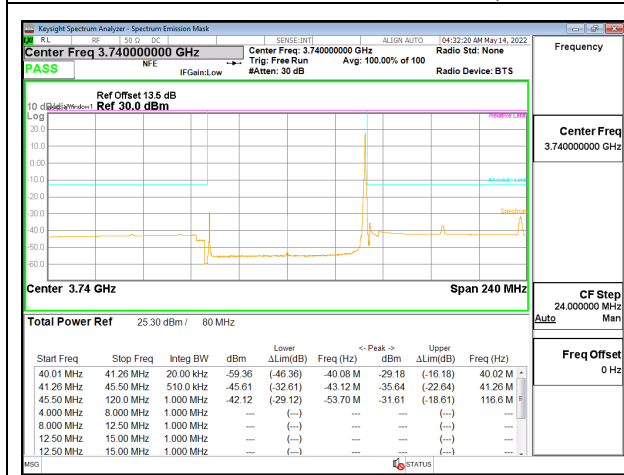
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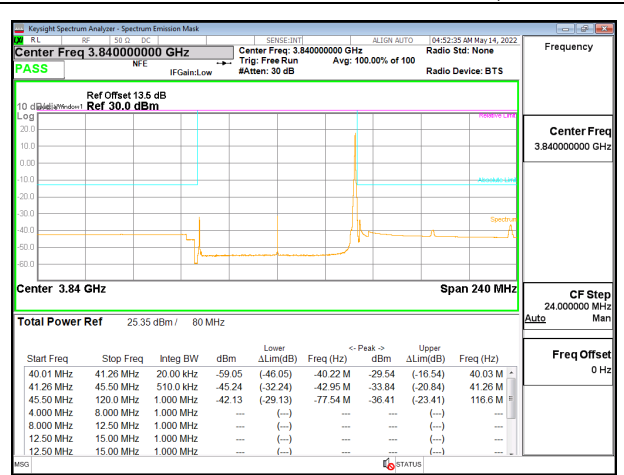
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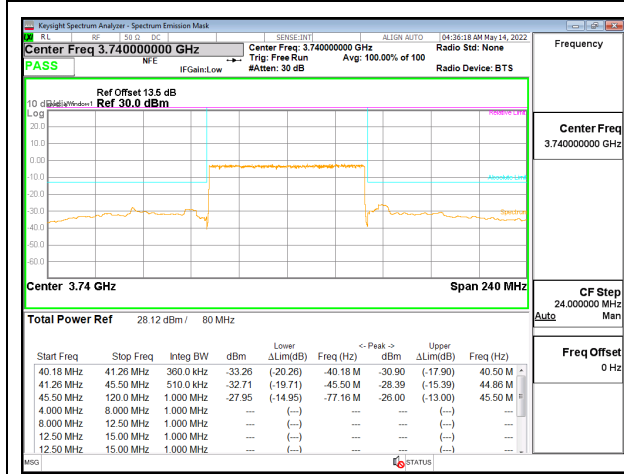
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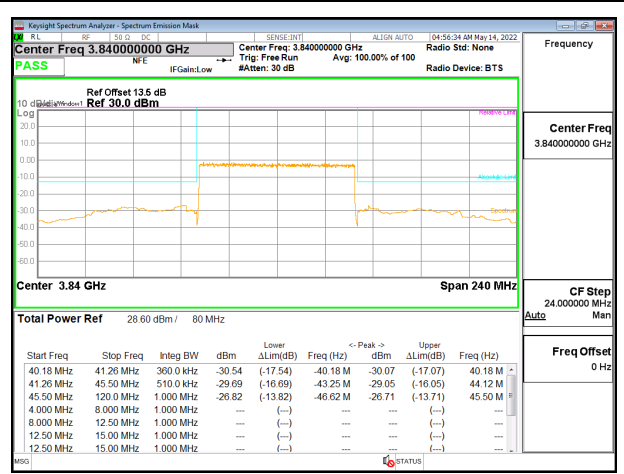
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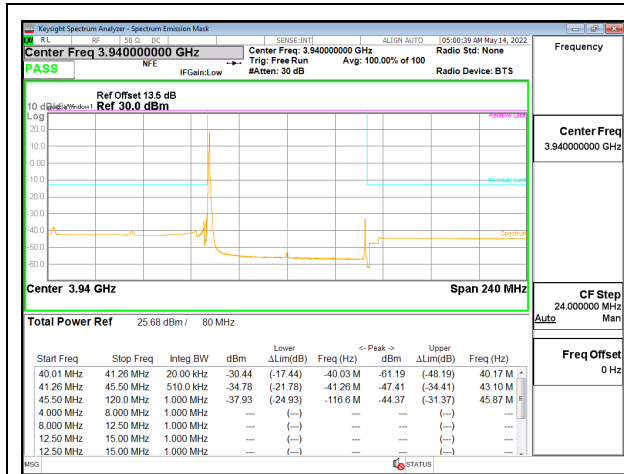
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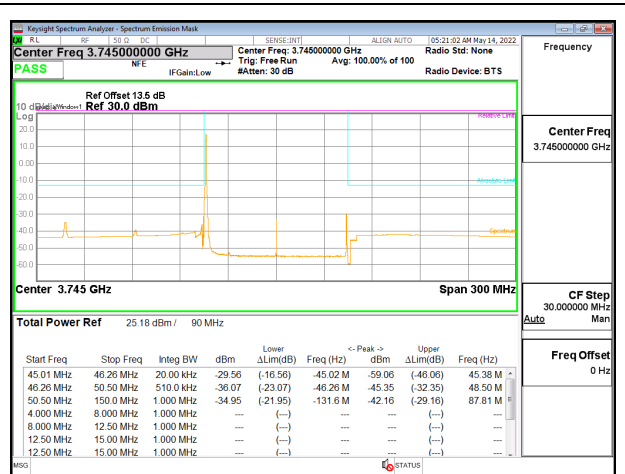
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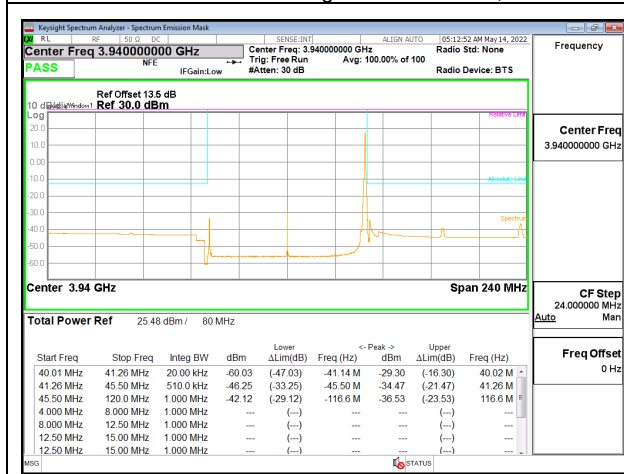
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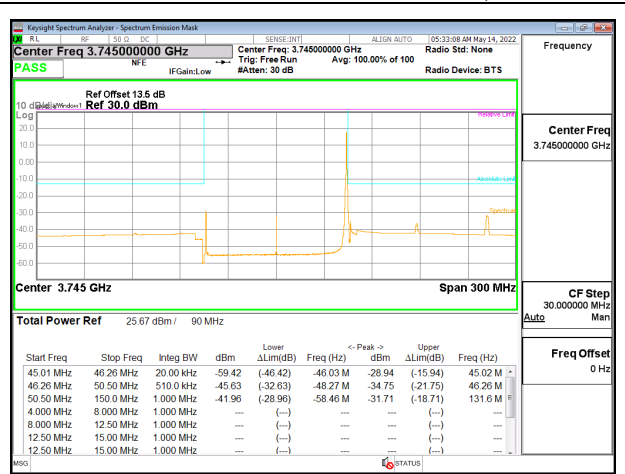
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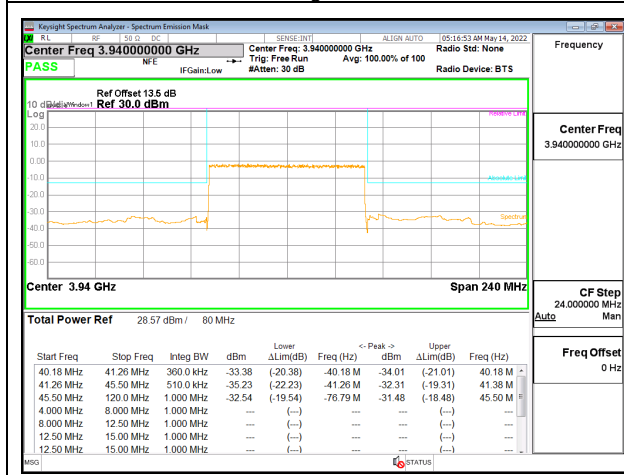
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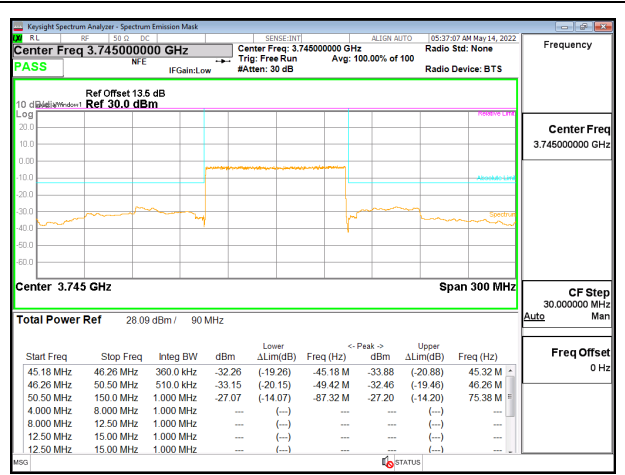
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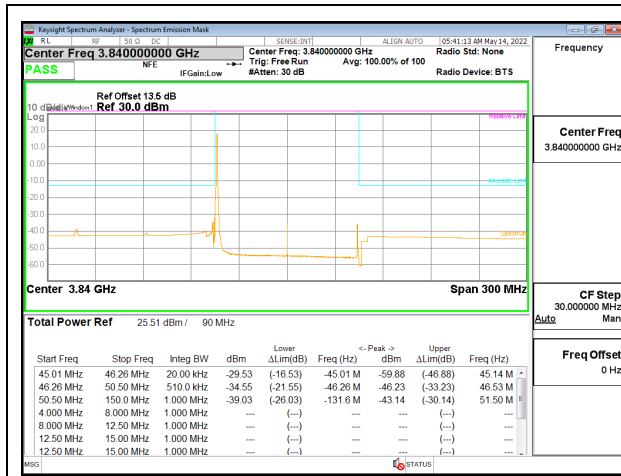
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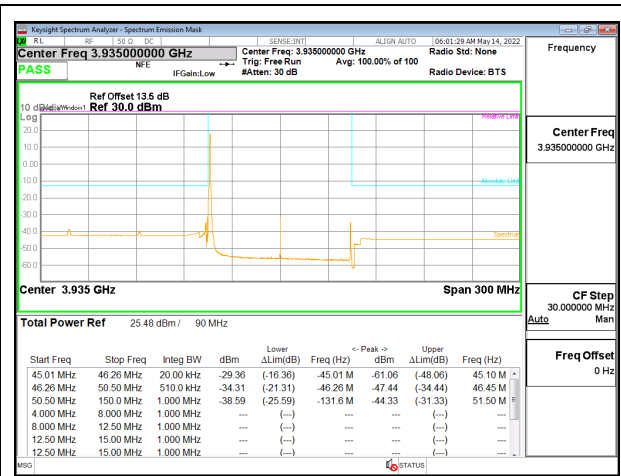
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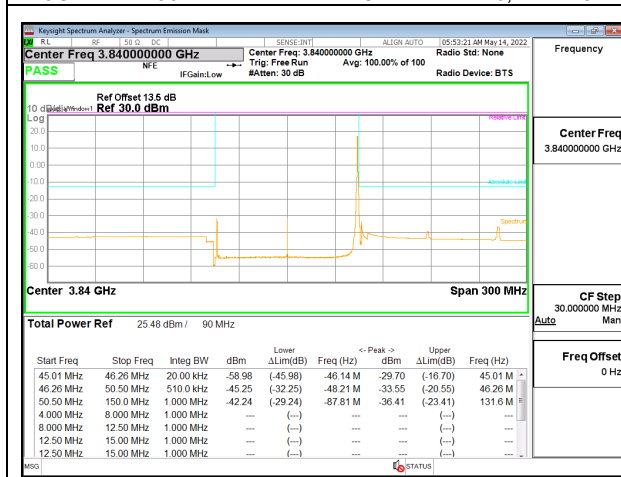
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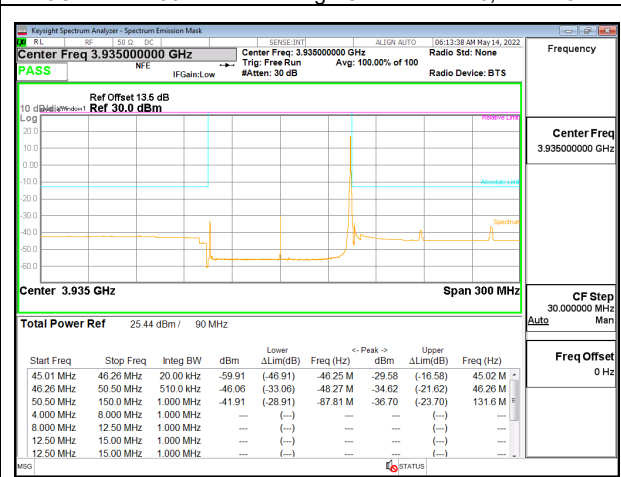
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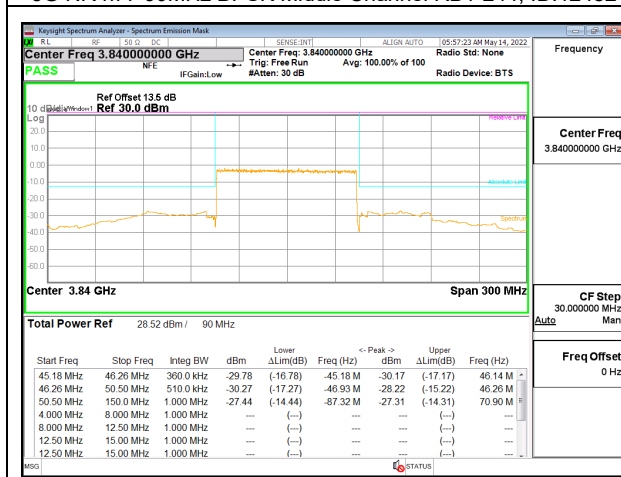
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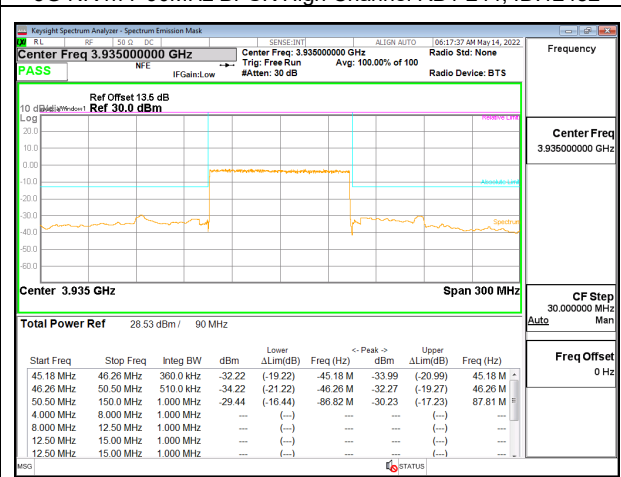
5G NR n77 90MHz BPSK Middle Channel RB1-244, ID:12482



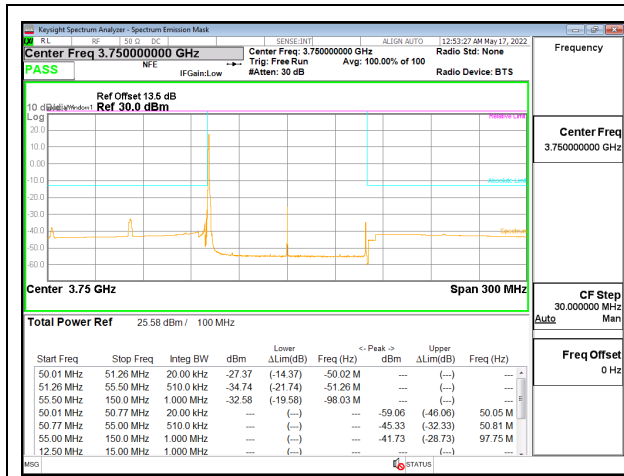
5G NR n77 90MHz BPSK High Channel RB1-244, ID:12482



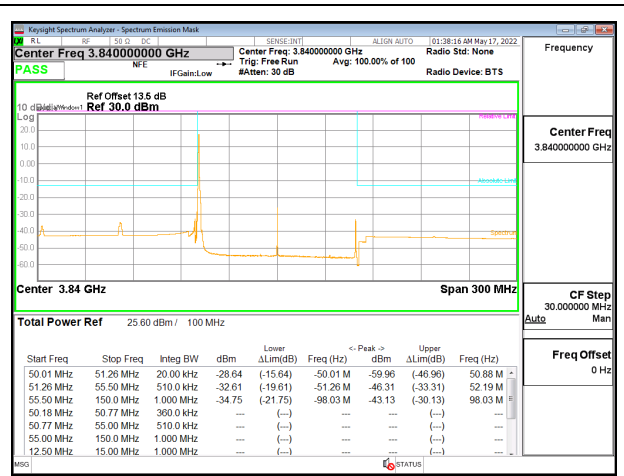
5G NR n77 90MHz BPSK Middle Channel RB243-0, ID:12482



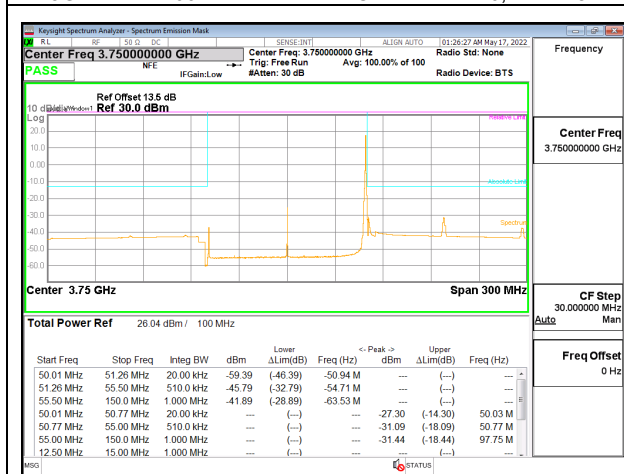
5G NR n77 90MHz BPSK High Channel RB243-0, ID:12482



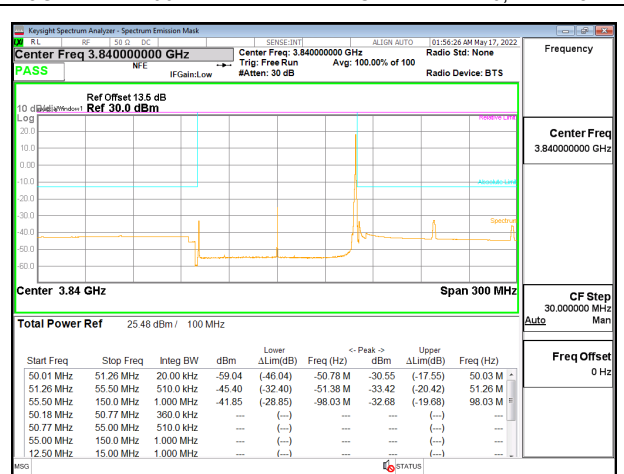
5G NR n77 100MHz BPSK Low Channel RB1-0, ID:12482



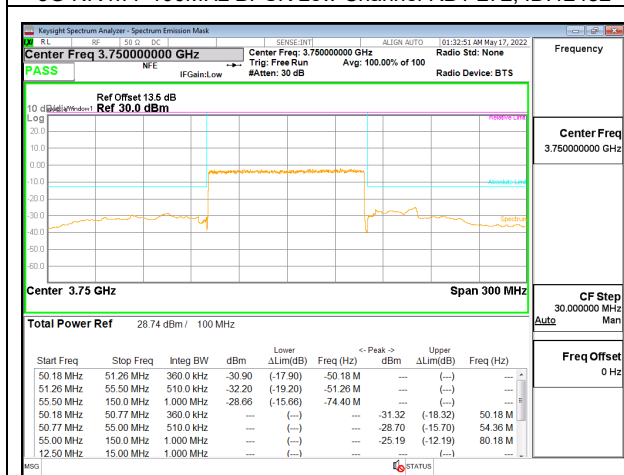
5G NR n77 100MHz BPSK Middle Channel RB1-0, ID:12482



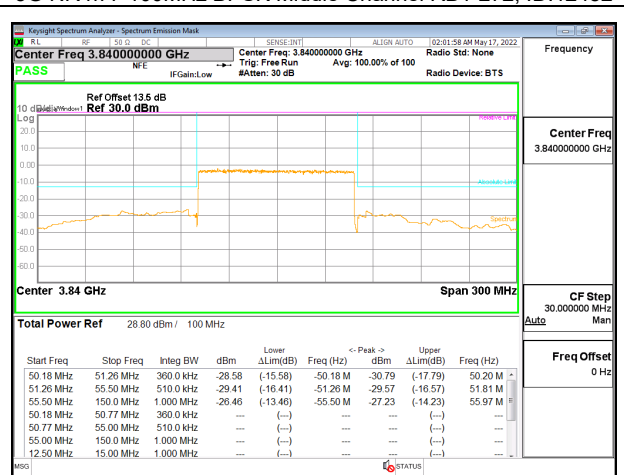
5G NR n77 100MHz BPSK Low Channel RB1-272, ID:12482



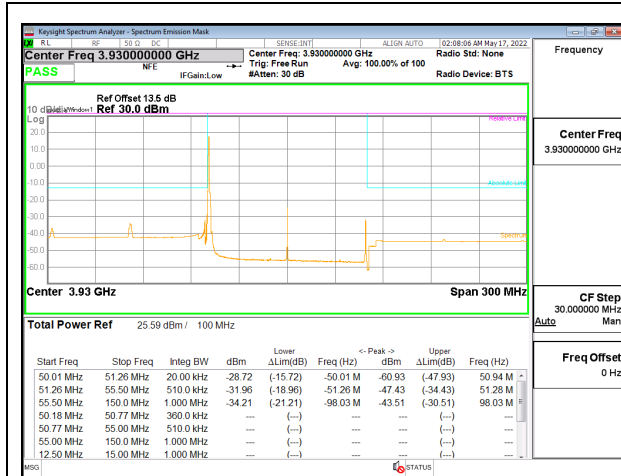
5G NR n77 100MHz BPSK Middle Channel RB1-272, ID:12482



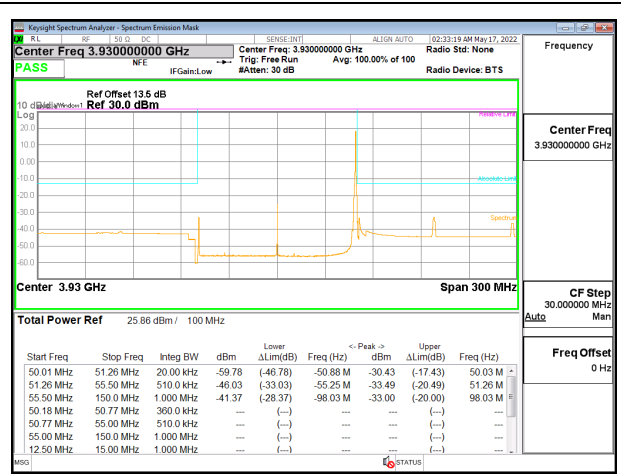
5G NR n77 100MHz BPSK Low Channel RB270-0, ID:12482



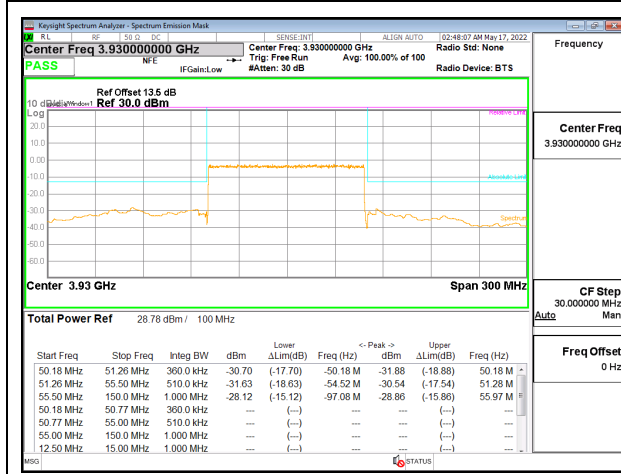
5G NR n77 100MHz BPSK Middle Channel RB270-0, ID:12482



5G NR n77 100MHz BPSK High Channel RB1-0, ID:12482



5G NR n77 100MHz BPSK High Channel RB1-272, ID:12482



5G NR n77 100MHz BPSK High Channel RB270-0, ID:12482

9.3. OUT OF BAND EMISSIONS

TEST PROCEDURE

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

For each out of band emissions measurement:

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

RESULTS

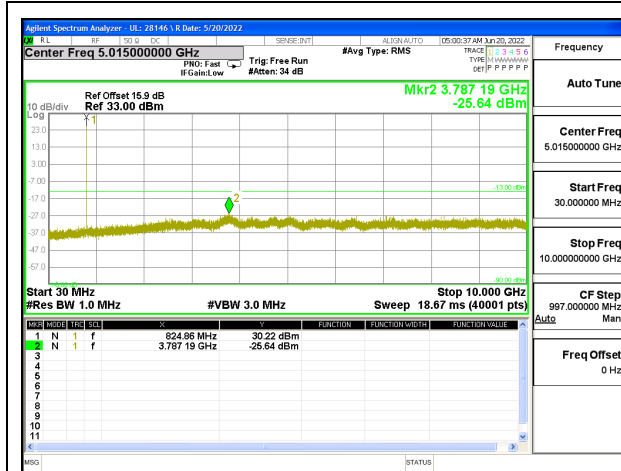
9.3.1. LTE BAND 5 AND 5G NR

LIMITS

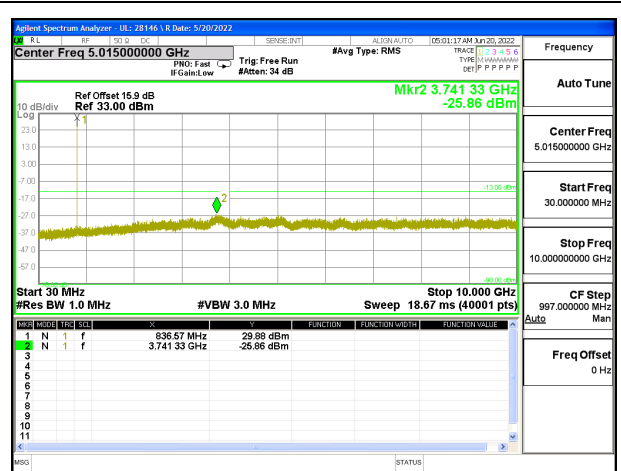
FCC: §22.917 (a)

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

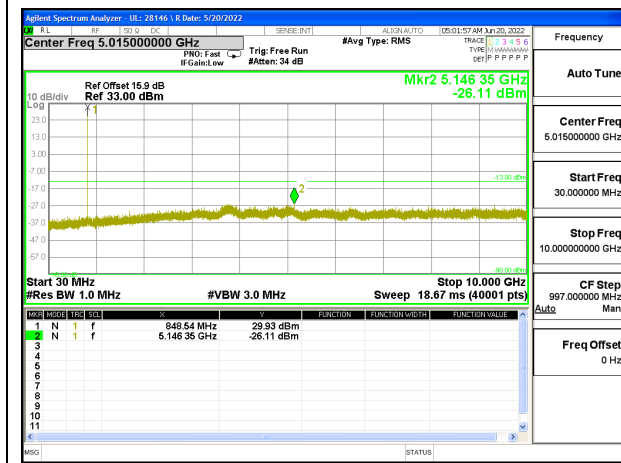
LTE BAND 5



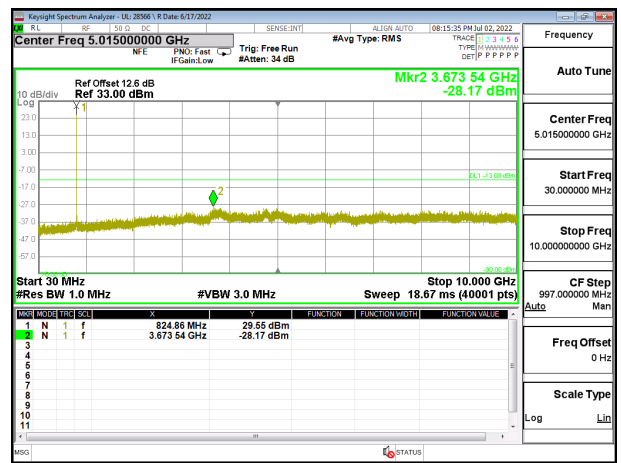
LTE B5 1.4MHz QPSK Low Channel RB1-0



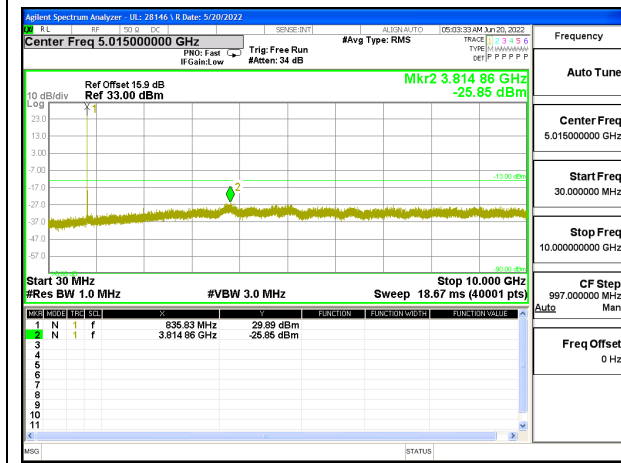
LTE B5 1.4MHz QPSK Middle Channel RB1-0



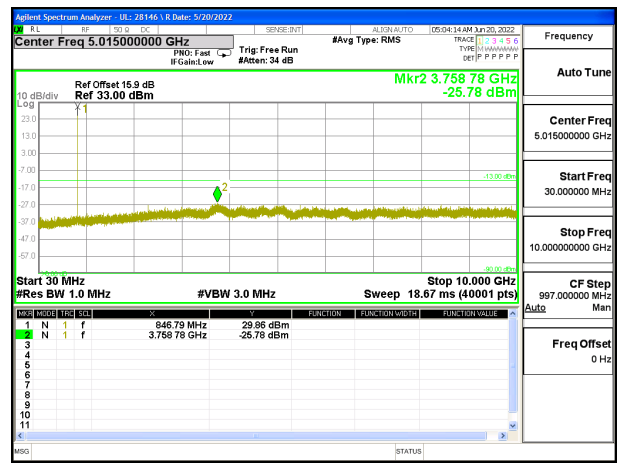
LTE B5 1.4MHz QPSK High Channel RB1-0



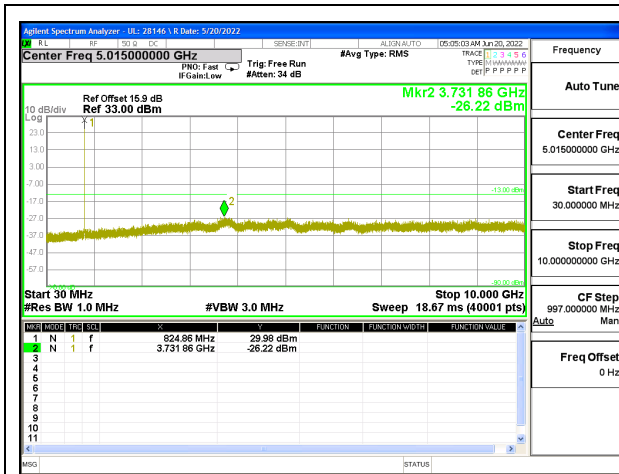
LTE B5 3MHz QPSK Low Channel RB1-0



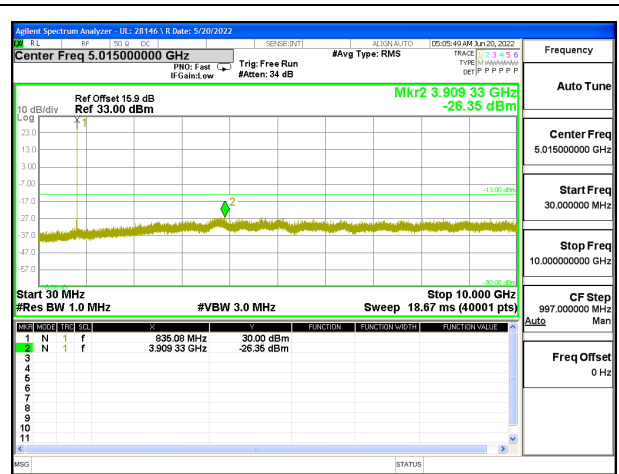
LTE B5 3MHz QPSK Middle Channel RB1-0



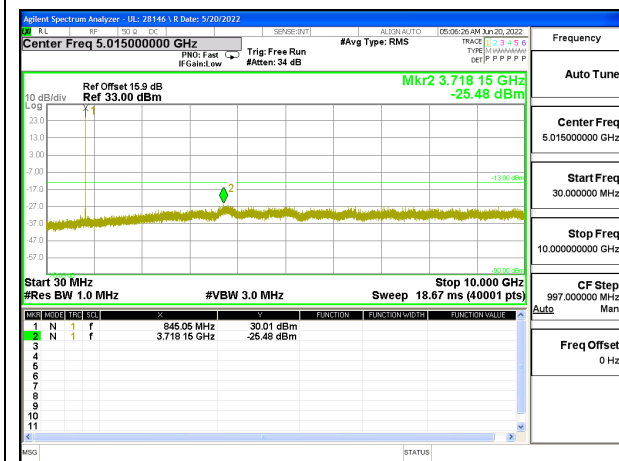
LTE B5 3MHz QPSK High Channel RB1-0



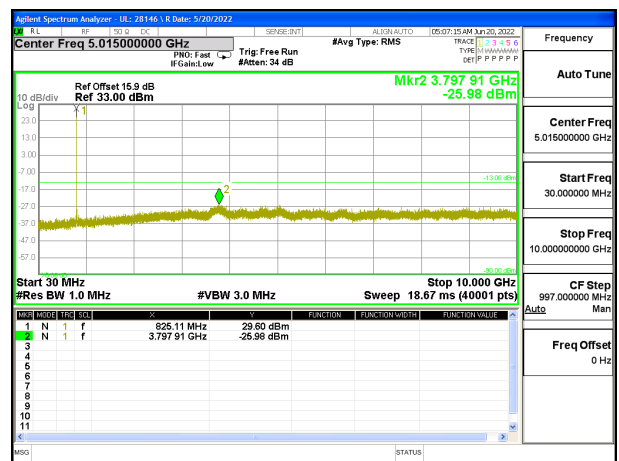
LTE B5 5MHz QPSK Low Channel RB1-0



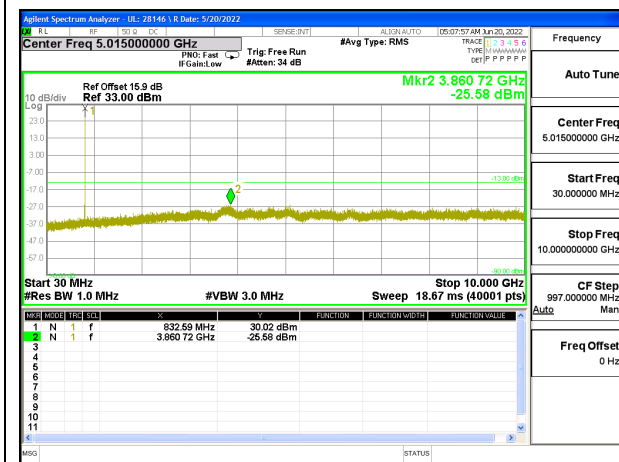
LTE B5 5MHz QPSK Middle Channel RB1-0



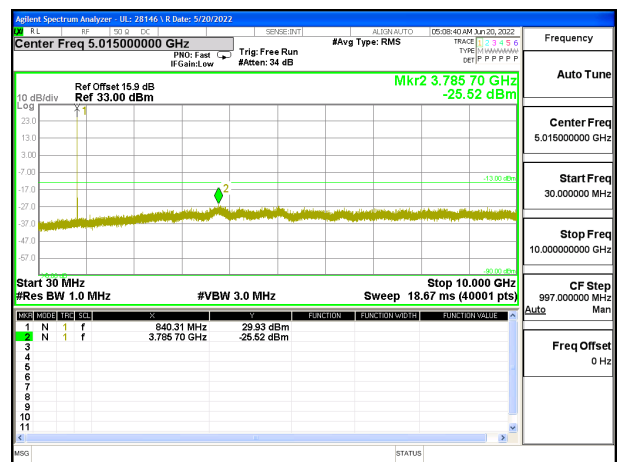
LTE B5 5MHz QPSK High Channel RB1-0



LTE B5 10MHz QPSK Low Channel RB1-0

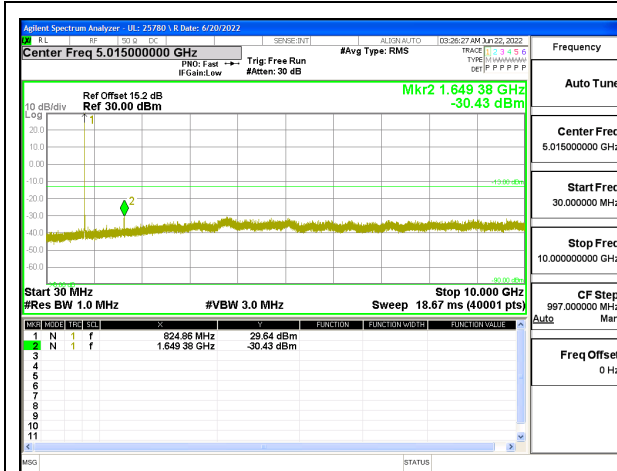


LTE B5 10MHz QPSK Middle Channel RB1-0

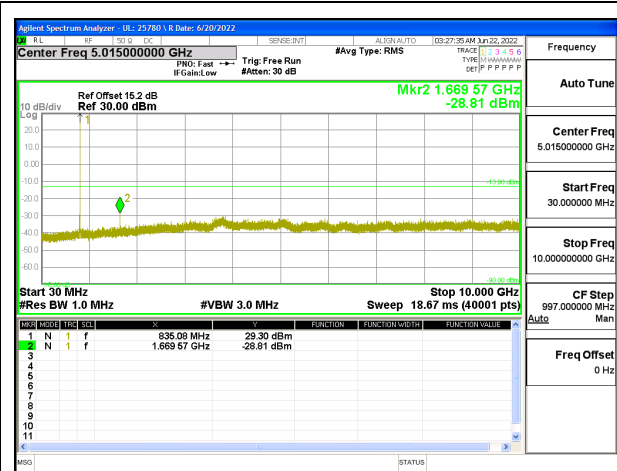


LTE B5 10MHz QPSK High Channel RB1-0

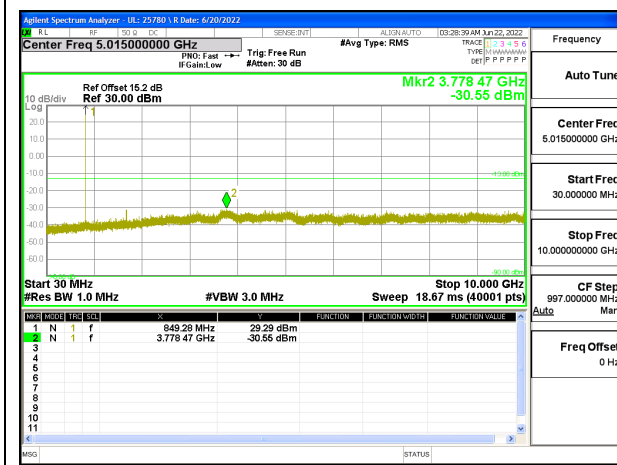
5G NR n5



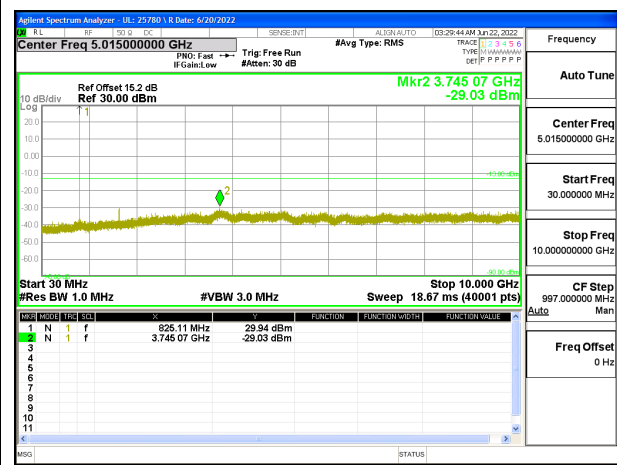
5G NR n5 5MHz BPSK Low Channel RB1-0



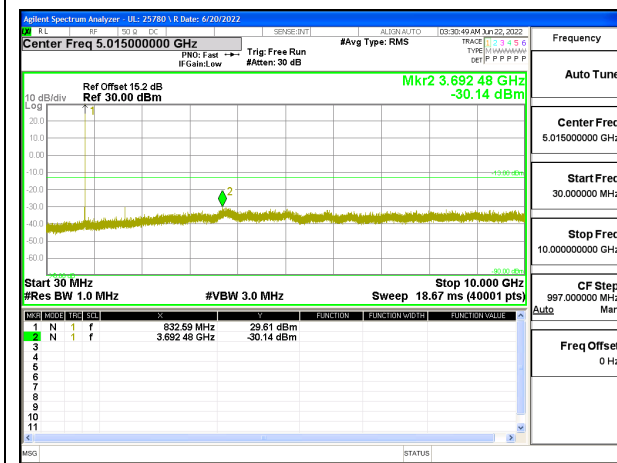
5G NR n5 5MHz BPSK Middle Channel RB1-1



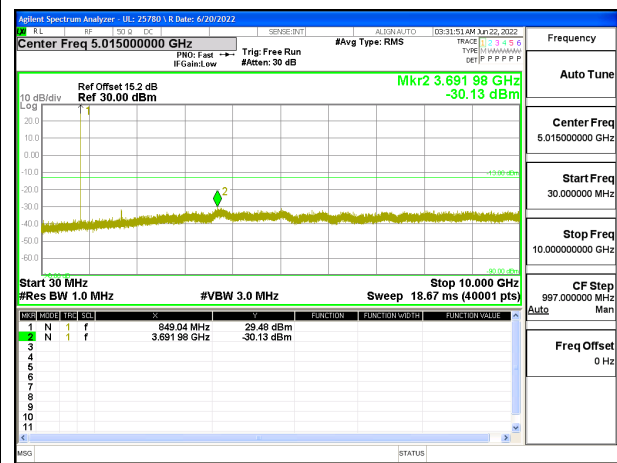
5G NR n5 5MHz BPSK High Channel RB1-24



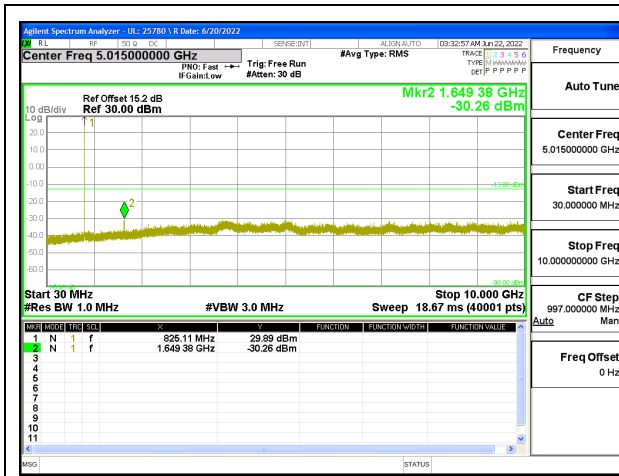
5G NR n5 10MHz BPSK Low Channel RB1-0



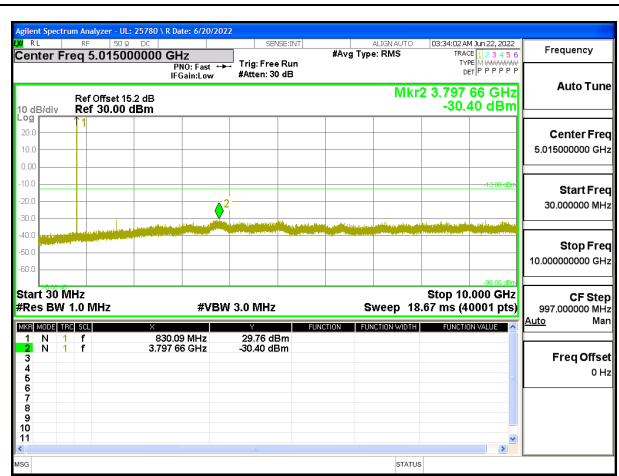
5G NR n5 10MHz BPSK Middle Channel RB1-1



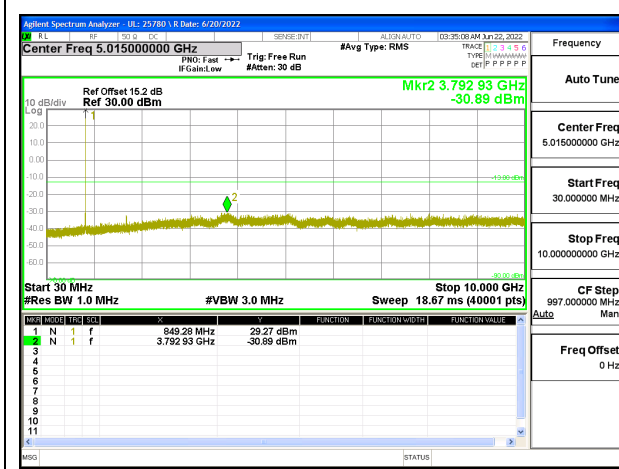
5G NR n5 10MHz BPSK High Channel RB1-51



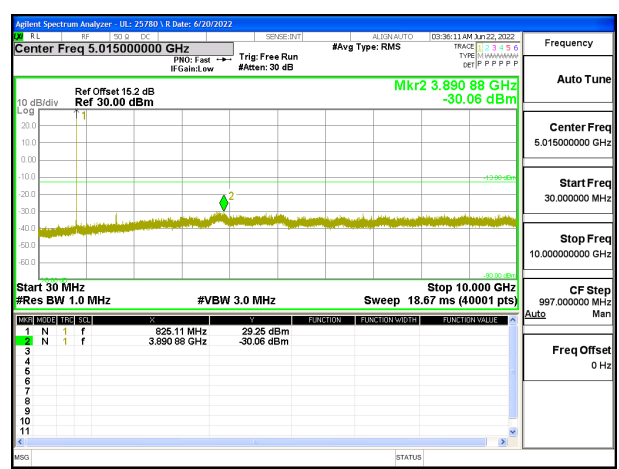
5G NR n5 15MHz BPSK Low Channel RB1-0



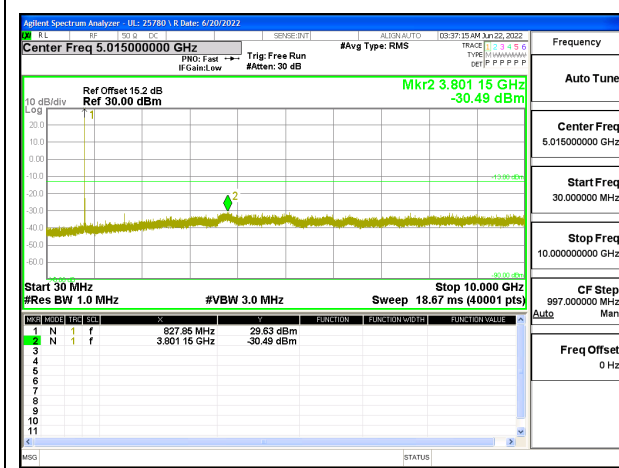
5G NR n5 15MHz BPSK Middle Channel RB1-1



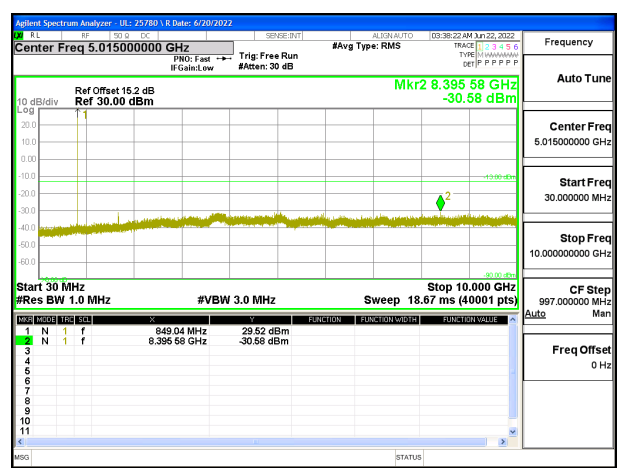
5G NR n5 15MHz BPSK High Channel RB1-78



5G NR n5 20MHz BPSK Low Channel RB1-0



5G NR n5 20MHz BPSK Middle Channel RB1-1



5G NR n5 20MHz BPSK High Channel RB1-105

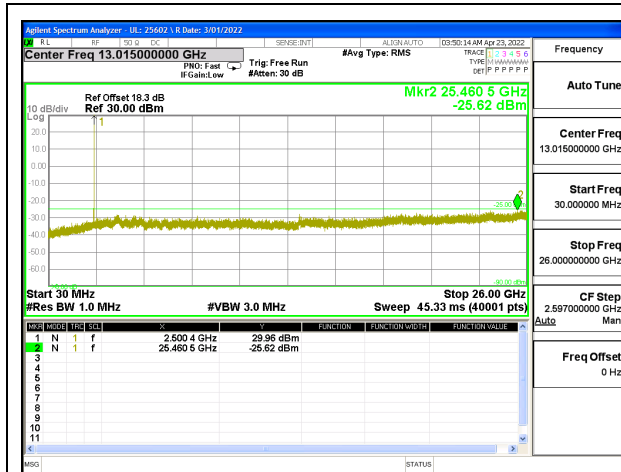
9.3.2. LTE BAND 7 AND 5G NR n7

LIMITS

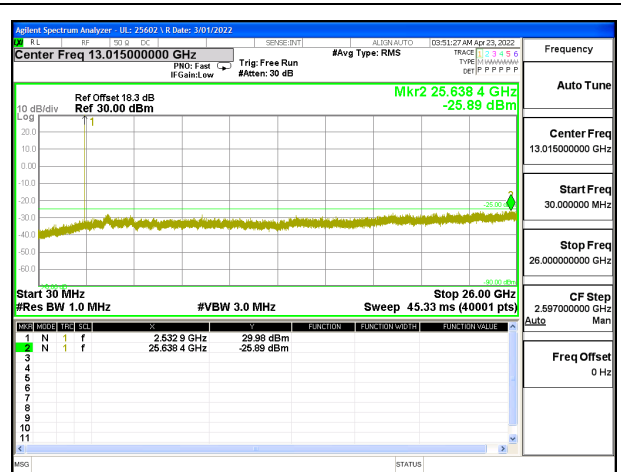
FCC: §27.53 (m)

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

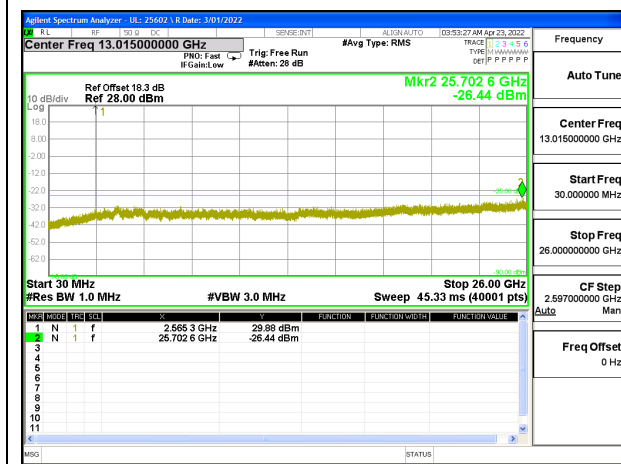
LTE BAND 7



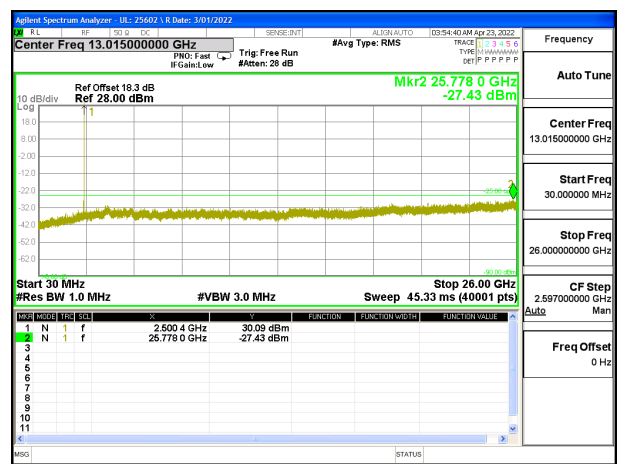
LTE B7 5MHz QPSK Low Channel RB1-0



LTE B7 5MHz QPSK Middle Channel RB1-0



LTE B7 5MHz QPSK High Channel RB1-0



LTE B7 10MHz QPSK Low Channel RB1-0