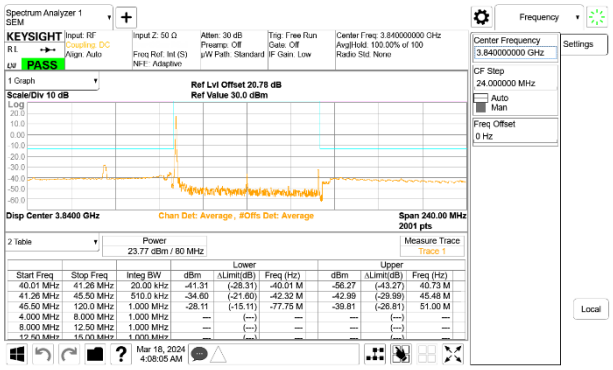
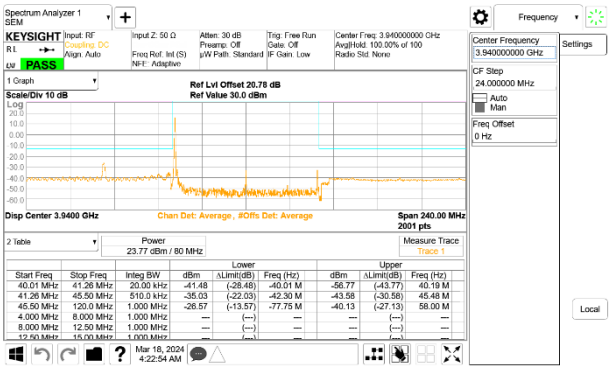


5G NR n77 80MHz BPSK Middle Channel RB1-0, ID:28498



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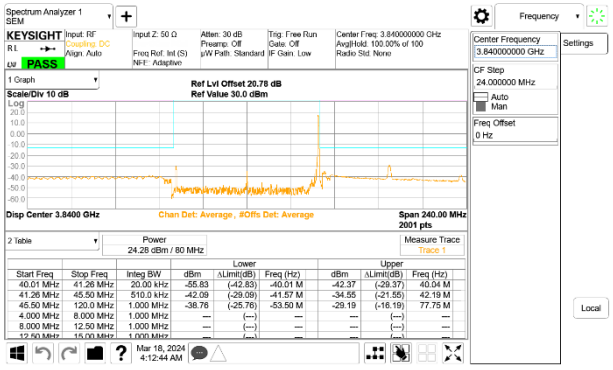

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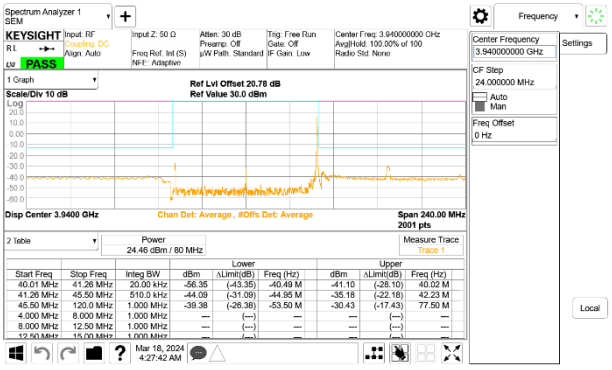

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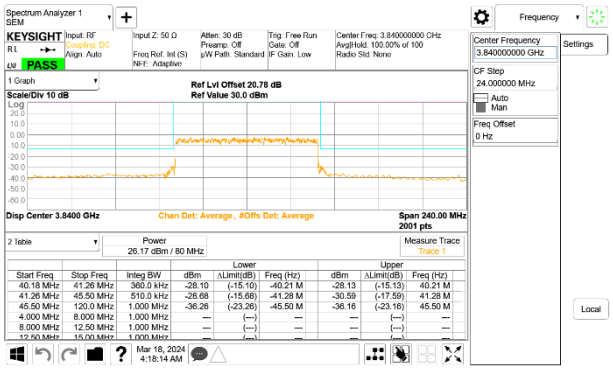

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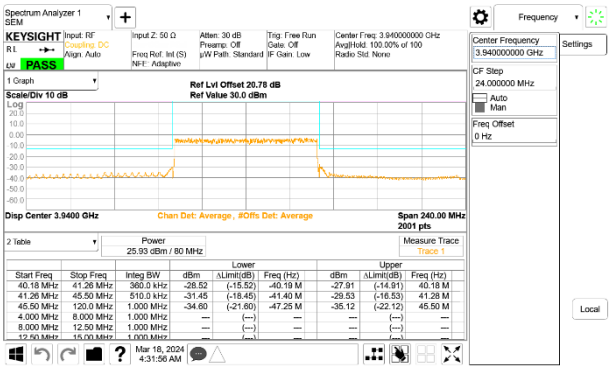

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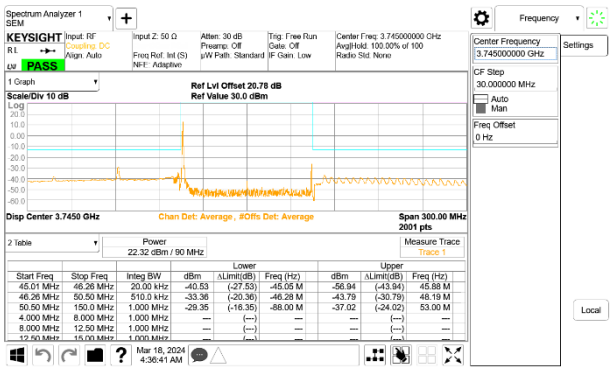

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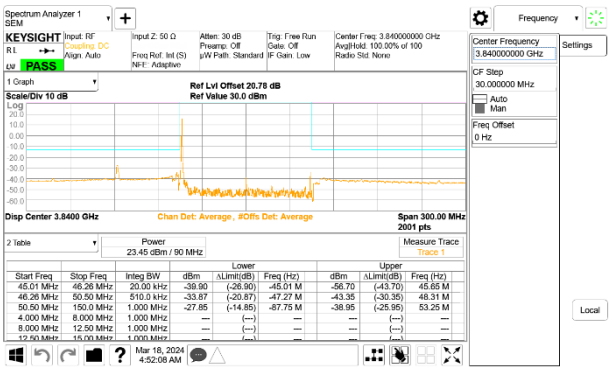

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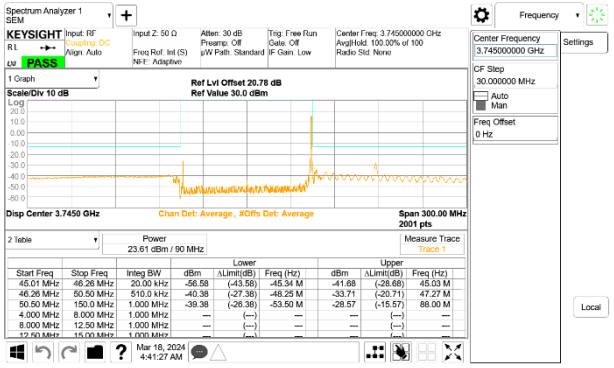

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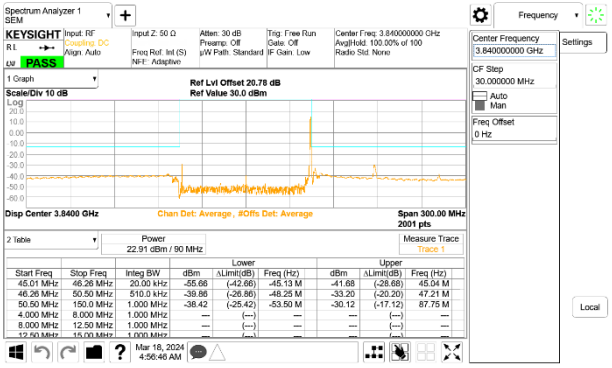

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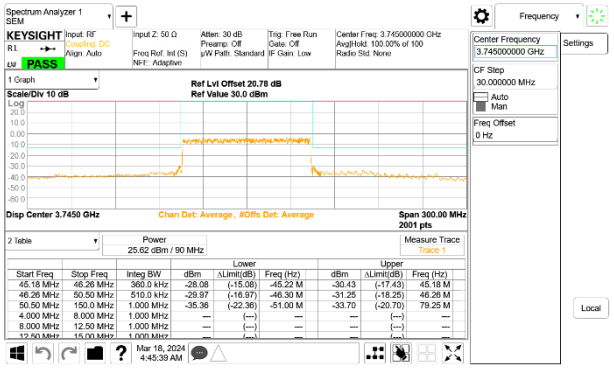

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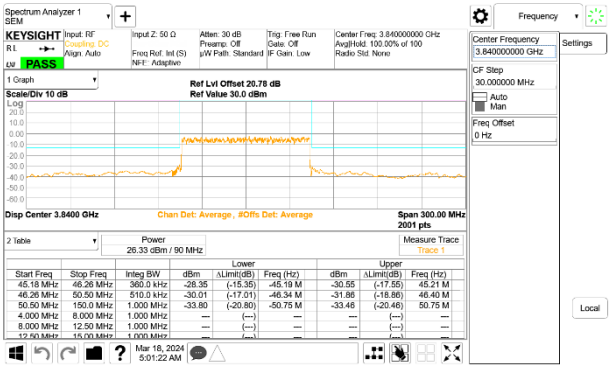

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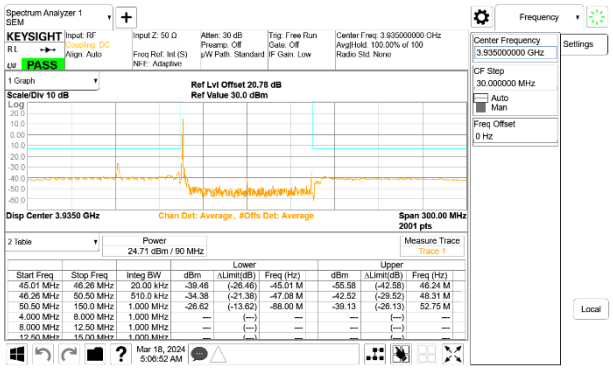

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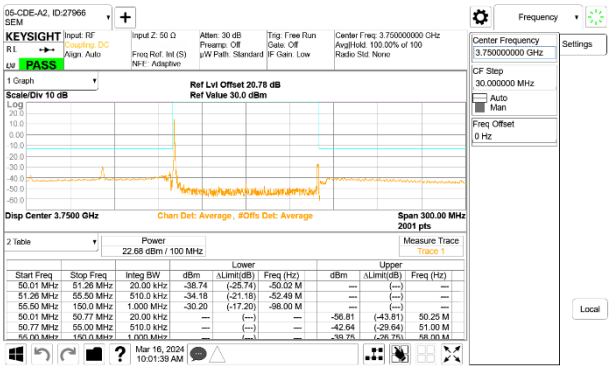

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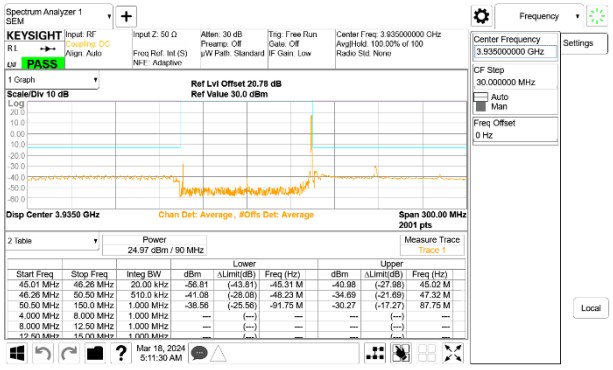

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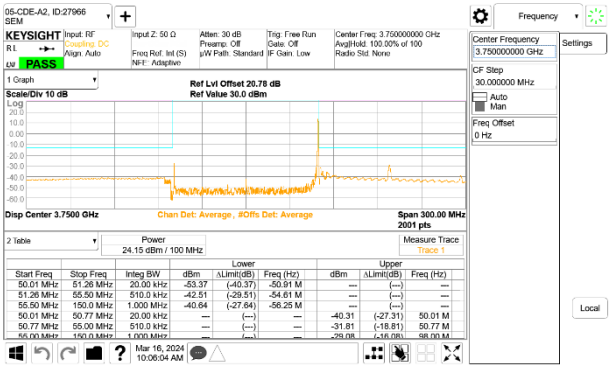

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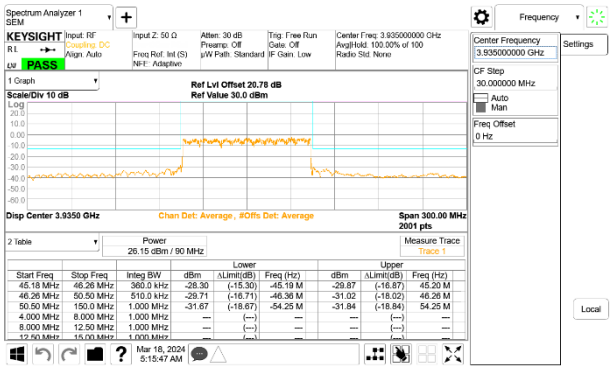

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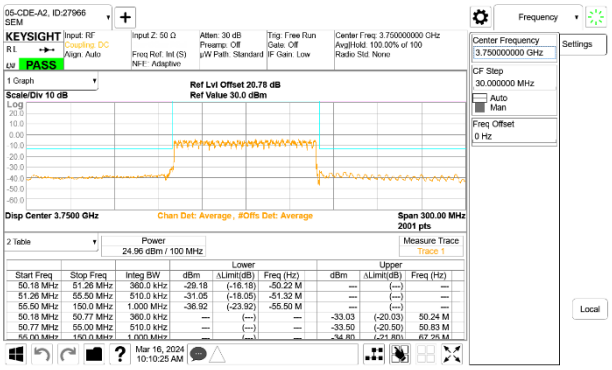

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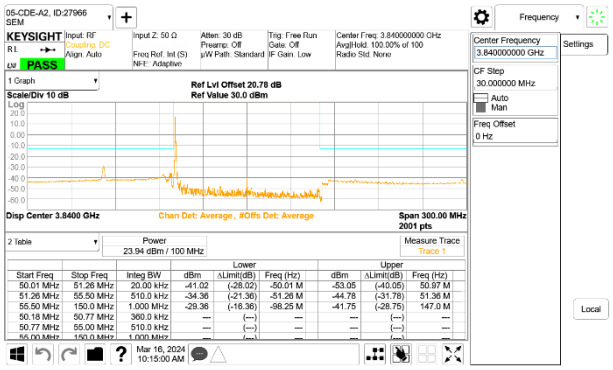
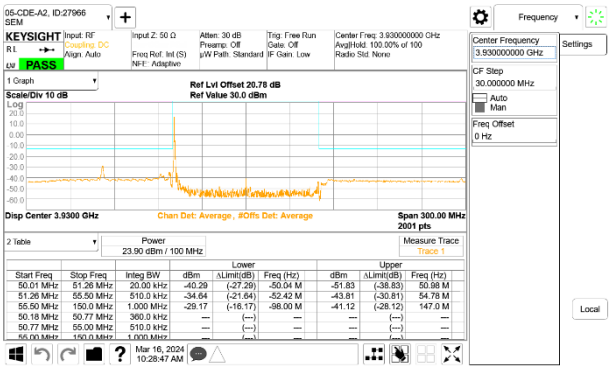


5G NR n77 100MHz BPSK Middle Channel RB1-0, ID:27966



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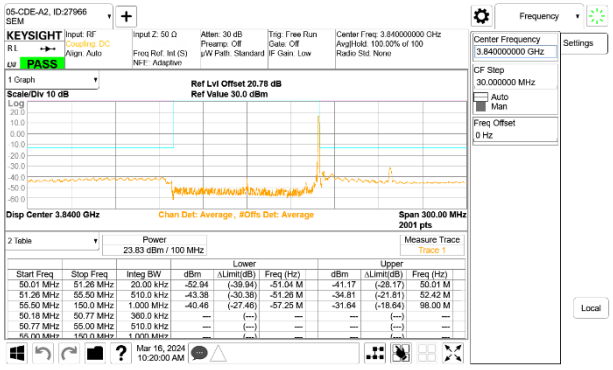

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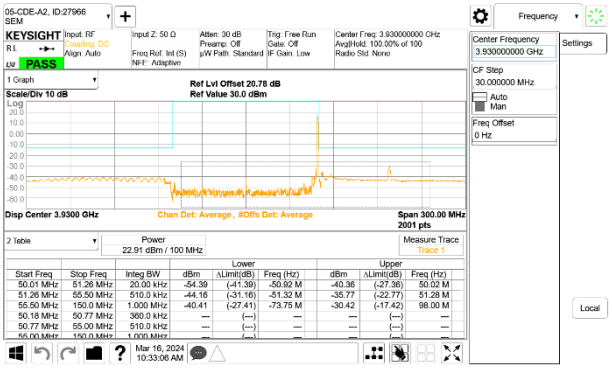

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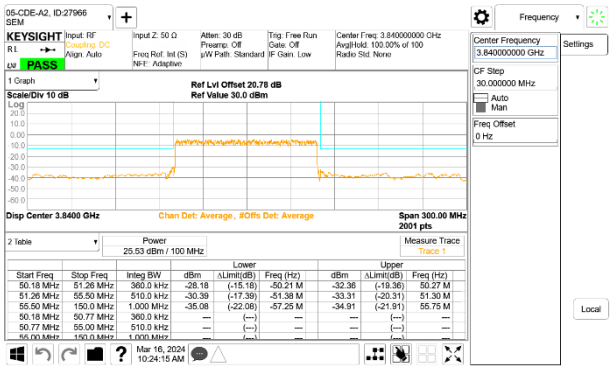

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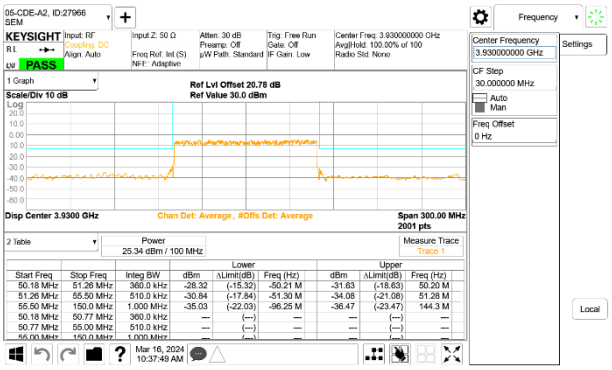


5G NR n77 100MHz BPSK High Channel RB270-0, ID:27966

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

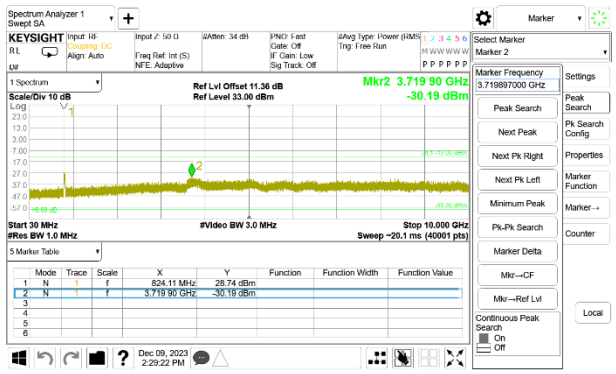
9.3.1. LTE BAND 5 AND 5G NR n5

LIMITS

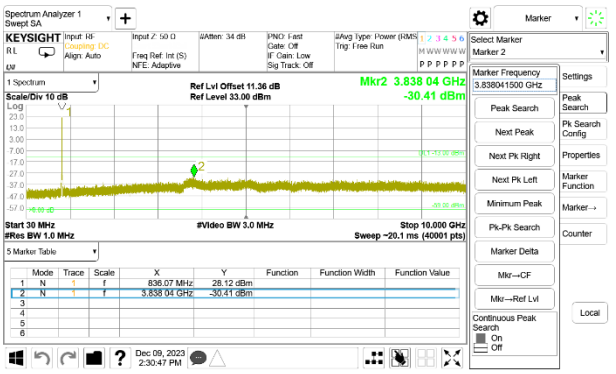
FCC: §22.917 (a)

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

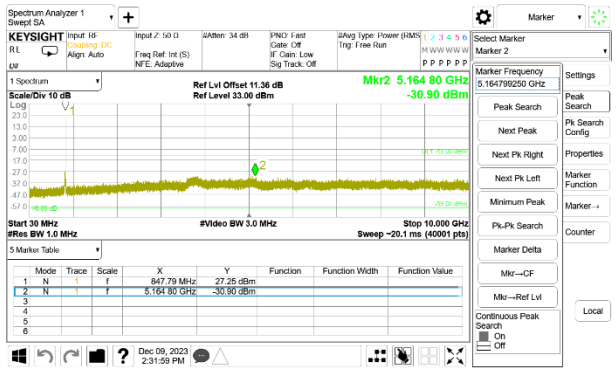
LTE BAND 5



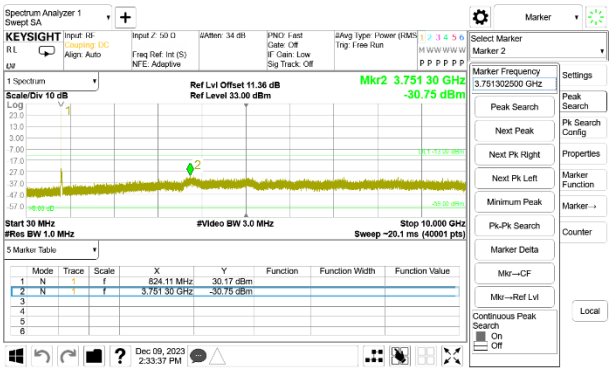
LTE B5 1.4MHz QPSK Low Channel RB1-0, ID:50822



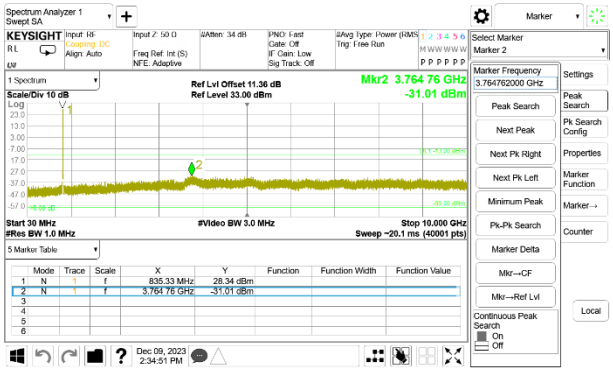
LTE B5 1.4MHz QPSK Middle Channel RB1-0, ID:50822



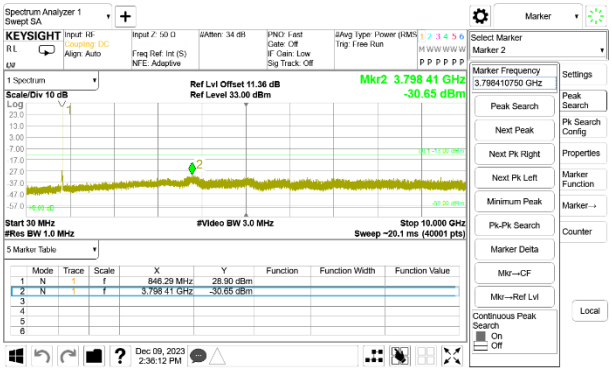
LTE B5 1.4MHz QPSK High Channel RB1-0, ID:50822



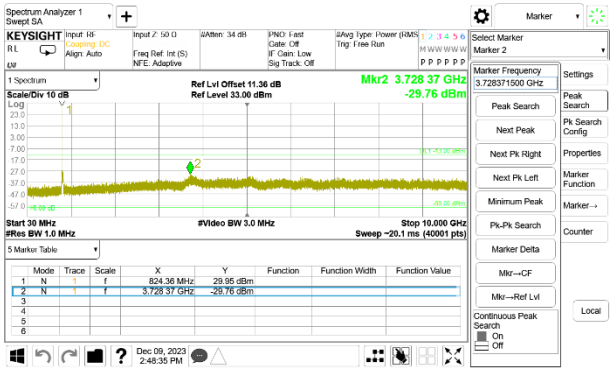
LTE B5 3MHz QPSK Low Channel RB1-0, ID:50822



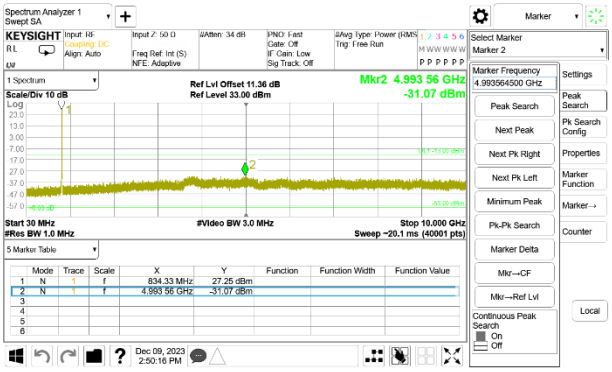
LTE B5 3MHz QPSK Middle Channel RB1-0, ID:50822



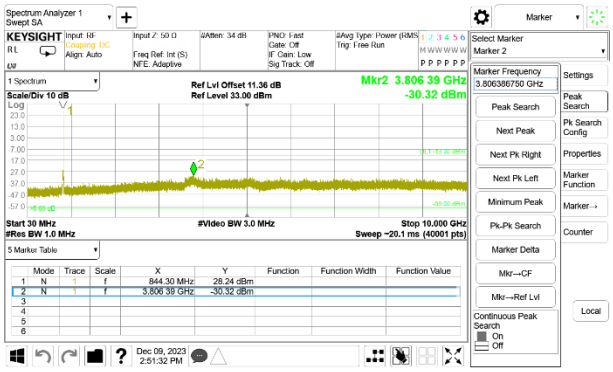
LTE B5 3MHz QPSK High Channel RB1-0, ID:50822



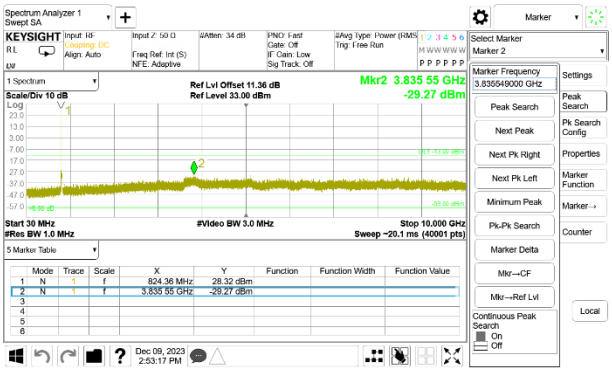
LTE B5 5MHz QPSK Low Channel RB1-0, ID:50822



LTE B5 5MHz QPSK Middle Channel RB1-0, ID:50822



LTE B5 5MHz QPSK High Channel RB1-0, ID:50822



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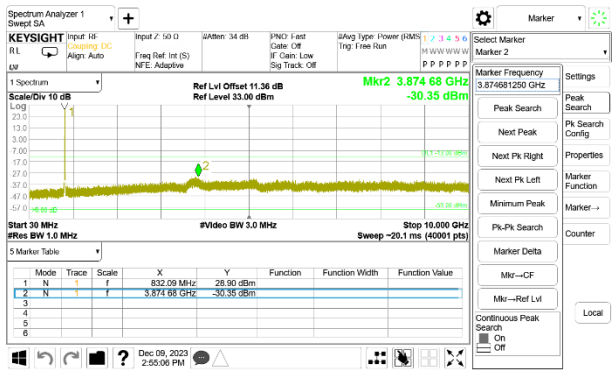
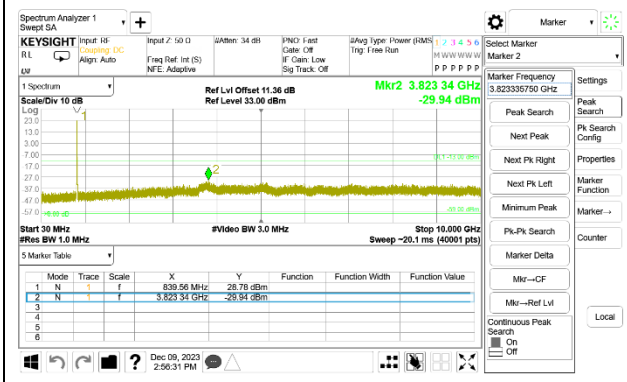
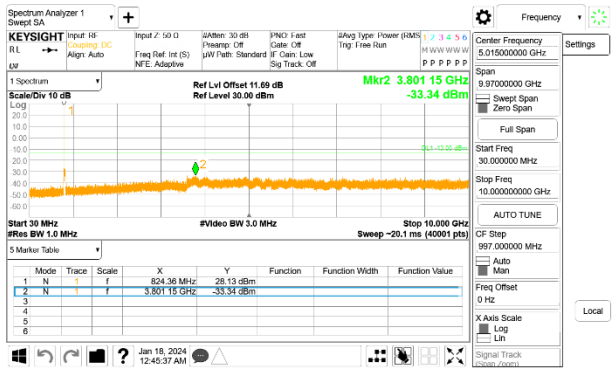


LTE B5 10MHz QPSK Middle Channel RB1-0, ID:50822

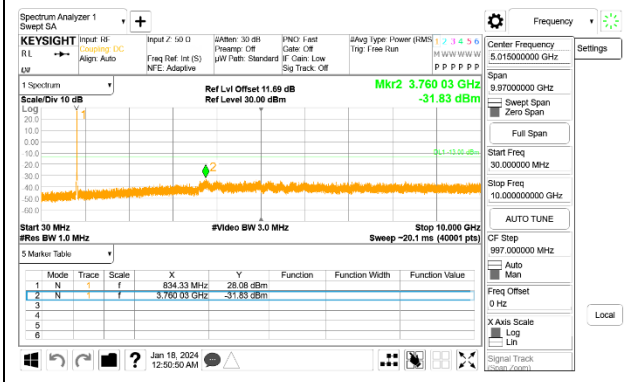


LTE B5 10MHz QPSK High Channel RB1-0, ID:50822

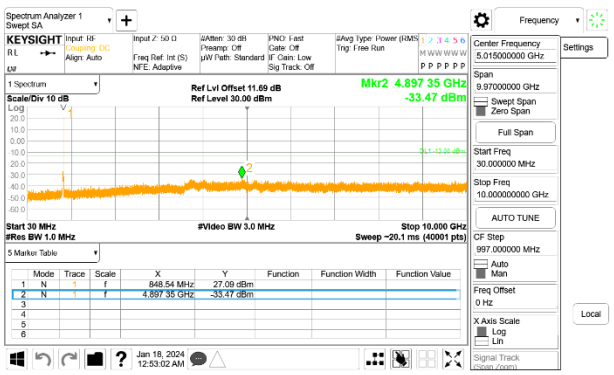
5G NR n5



5G NR n5 5MHz BPSK Low Channel RB1-0, ID:27979



5G NR n5 5MHz BPSK Middle Channel RB1-1, ID:27979



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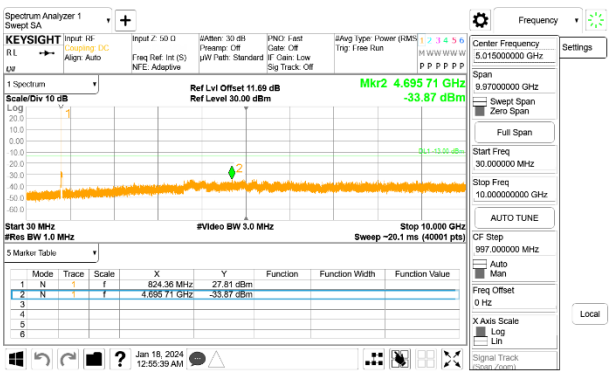
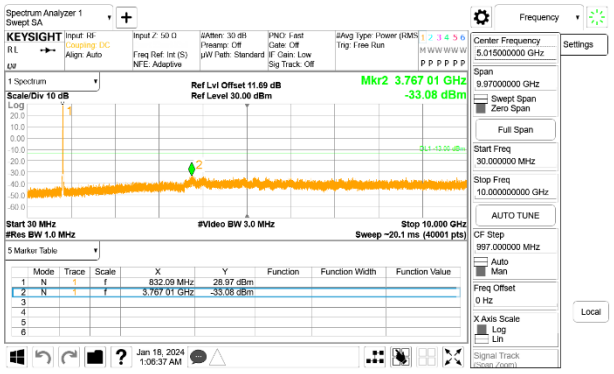


5G NR n5 10MHz BPSK Low Channel RB1-0, ID:27979



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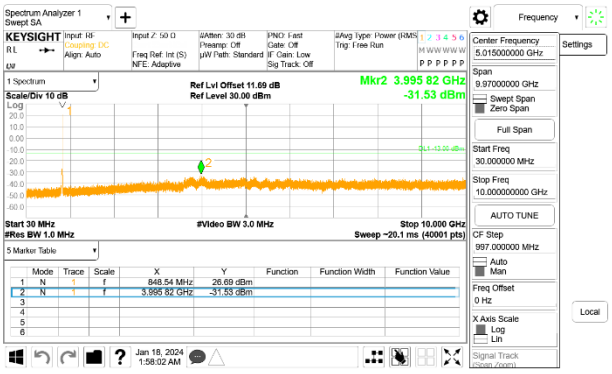

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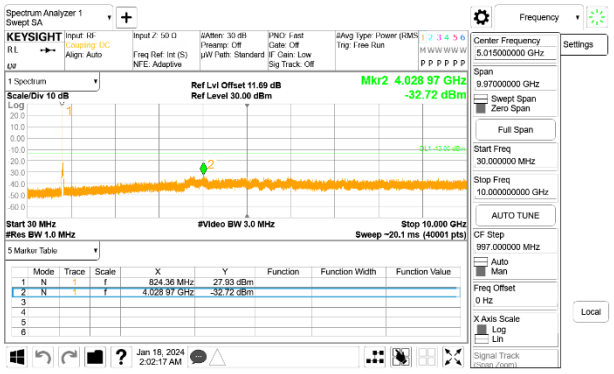
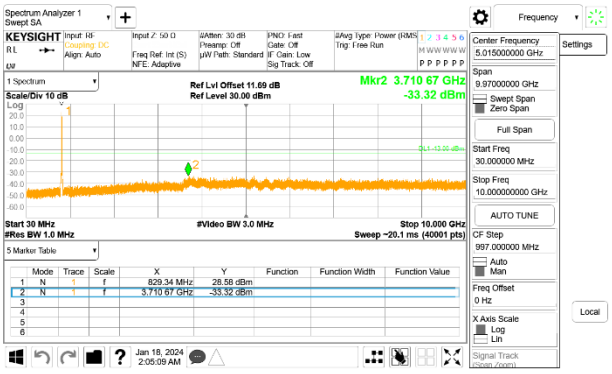
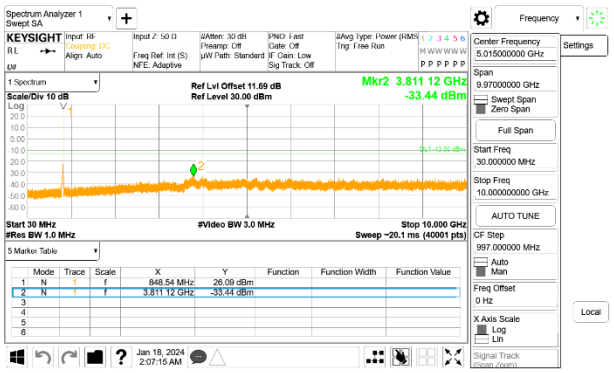


5G NR n5 15MHz BPSK Low Channel RB1-0, ID:27979



5G NR n5 15MHz BPSK Middle Channel RB1-1, ID:27979



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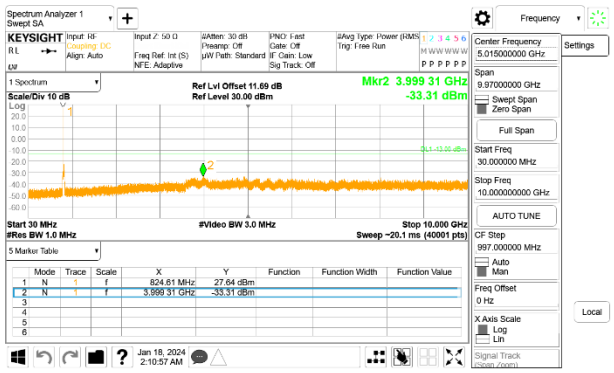
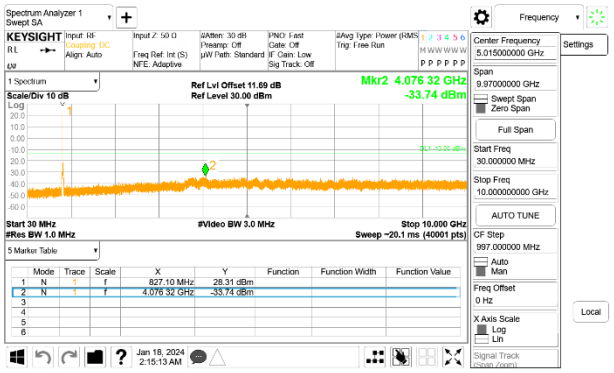
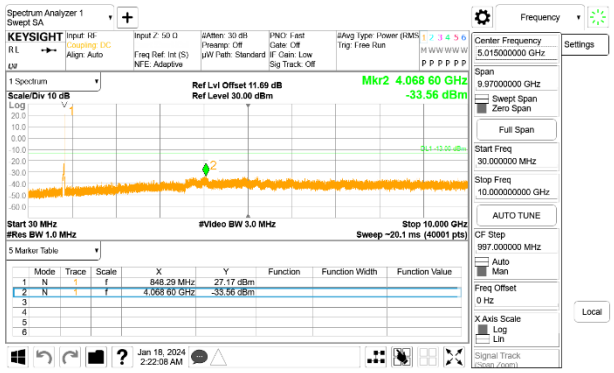


5G NR n5 20MHz BPSK Low Channel RB1-0, ID:27979



5G NR n5 20MHz BPSK Middle Channel RB1-1, ID:27979



5G NR n5 20MHz BPSK High Channel RB1-105, ID:27979

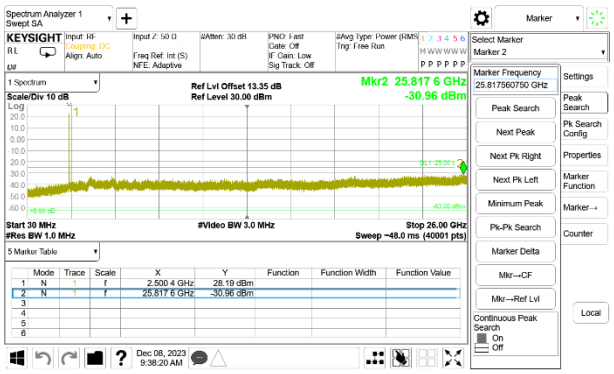
9.3.2. LTE BAND 7 AND 5G NR n7

LIMITS

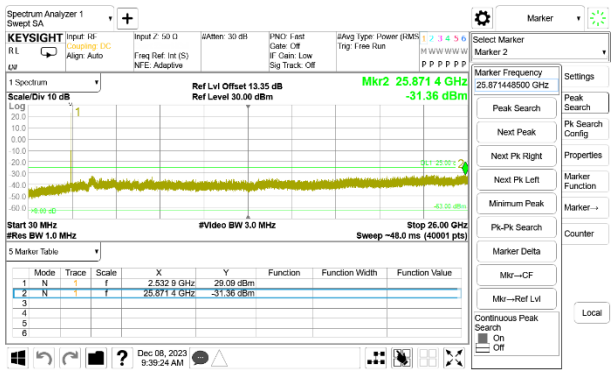
FCC: §27.53 (m)

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

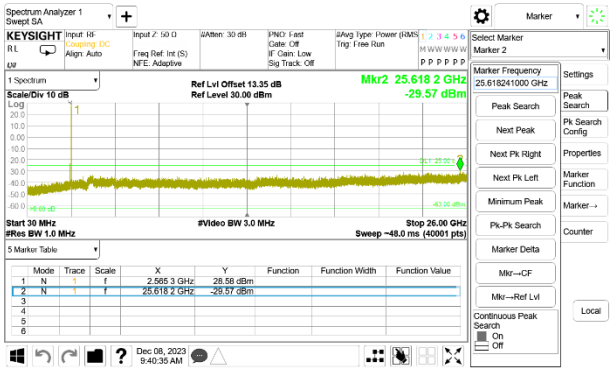
LTE BAND 7



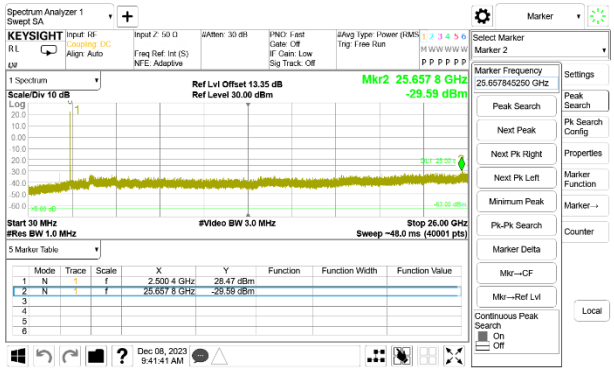
LTE B7 5MHz QPSK Low Channel RB1-0, ID:39005



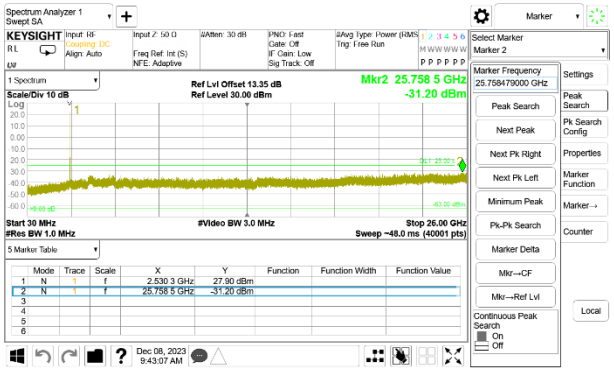
LTE B7 5MHz QPSK Middle Channel RB1-0, ID:39005



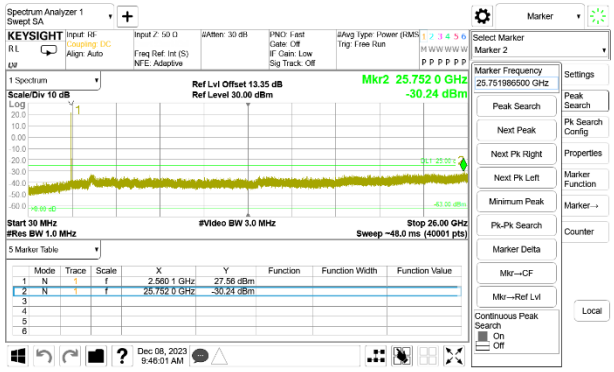
LTE B7 5MHz QPSK High Channel RB1-0, ID:39005



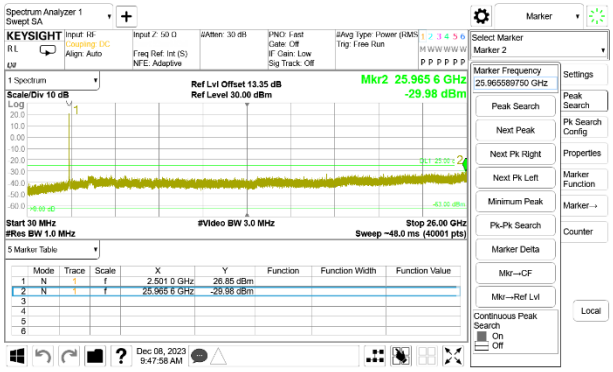
LTE B7 10MHz QPSK Low Channel RB1-0, ID:39005



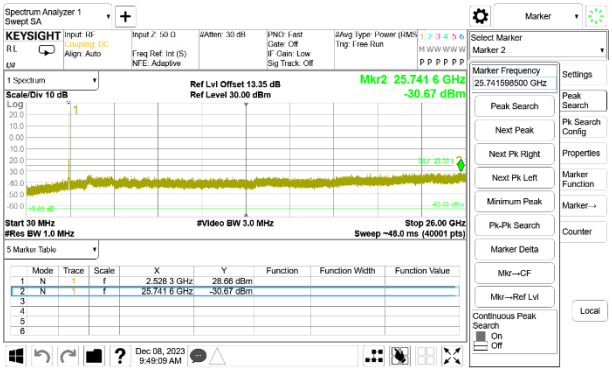
LTE B7 10MHz QPSK Middle Channel RB1-0, ID:39005



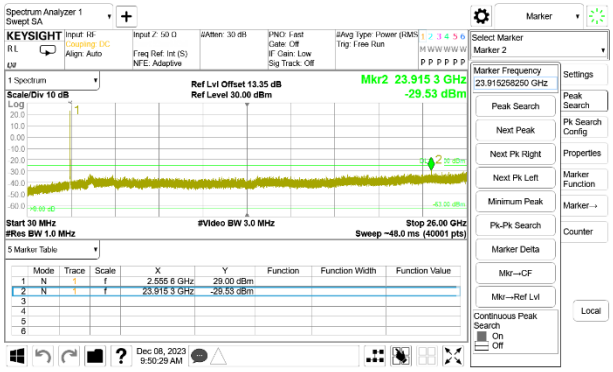
LTE B7 10MHz QPSK High Channel RB1-0, ID:39005



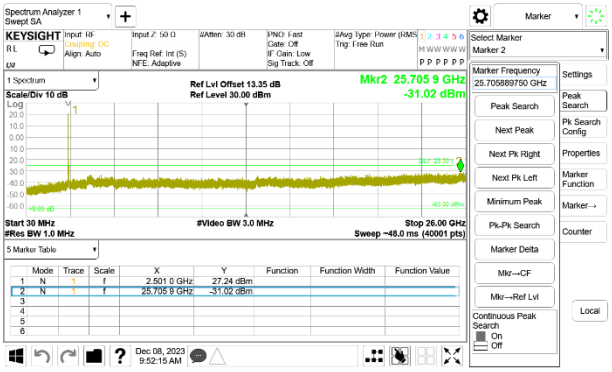
LTE B7 15MHz QPSK Low Channel RB1-0, ID:39005



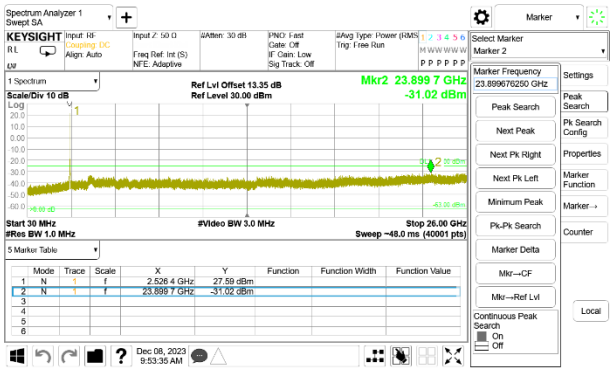
LTE B7 15MHz QPSK Middle Channel RB1-0, ID:39005



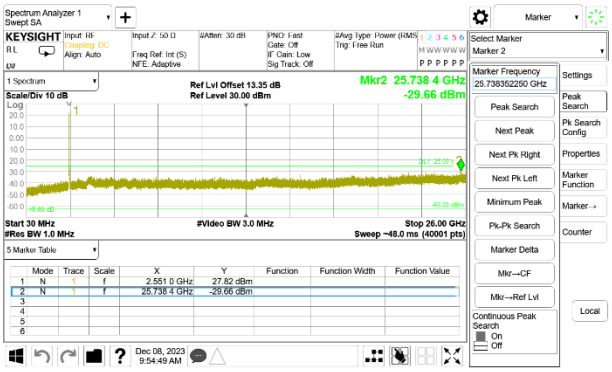
LTE B7 15MHz QPSK High Channel RB1-0, ID:39005



LTE B7 20MHz QPSK Low Channel RB1-0, ID:39005

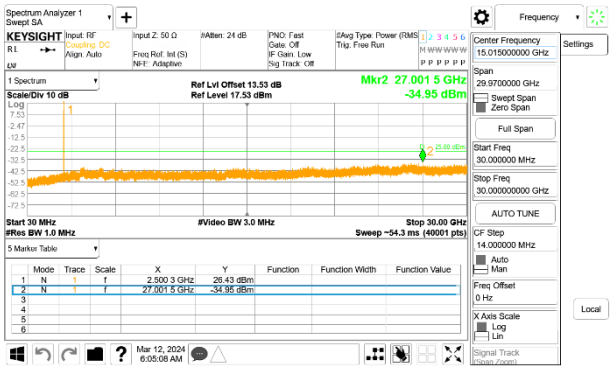


LTE B7 20MHz QPSK Middle Channel RB1-0, ID:39005

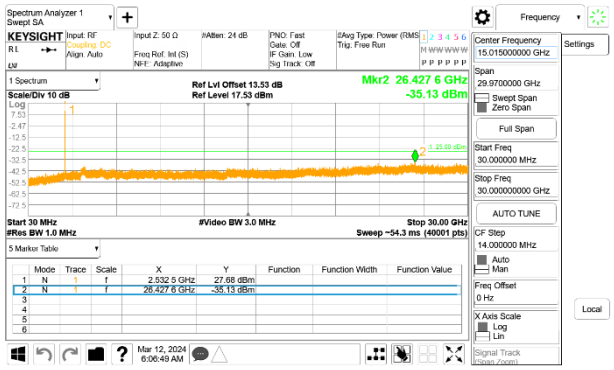


LTE B7 20MHz QPSK High Channel RB1-0, ID:39005

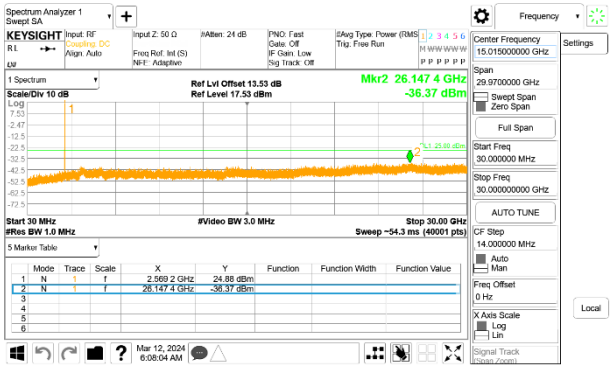
5G NR n7



5G NR n7 5MHz BPSK Low Channel RB1-0, ID:28498



5G NR n7 5MHz BPSK Middle Channel RB1-1, ID:28498



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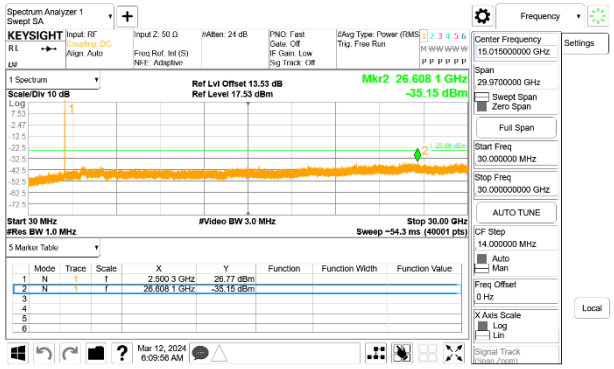
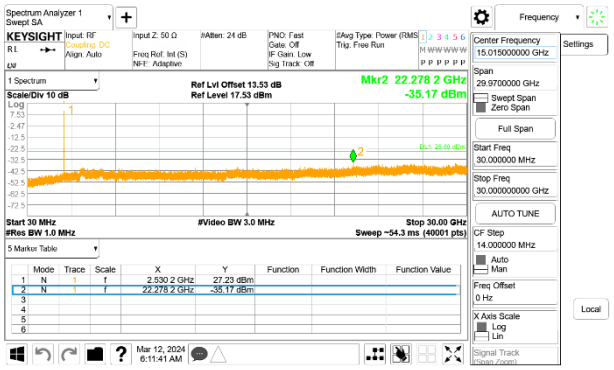
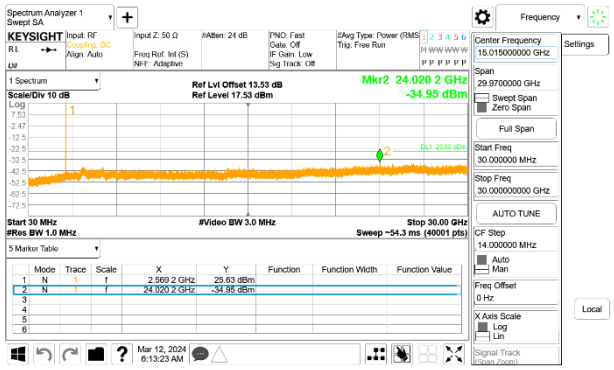


5G NR n7 10MHz BPSK Low Channel RB1-0, ID:28498



5G NR n7 10MHz BPSK Middle Channel RB1-1, ID:28498



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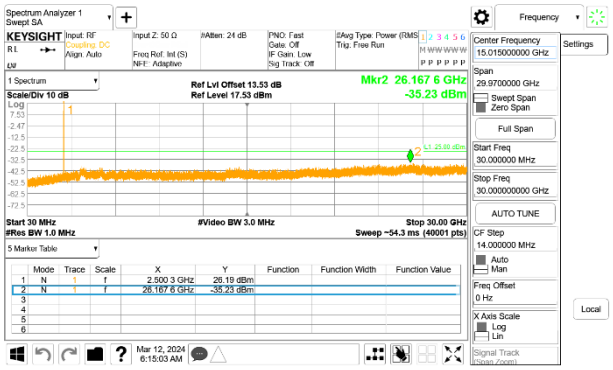
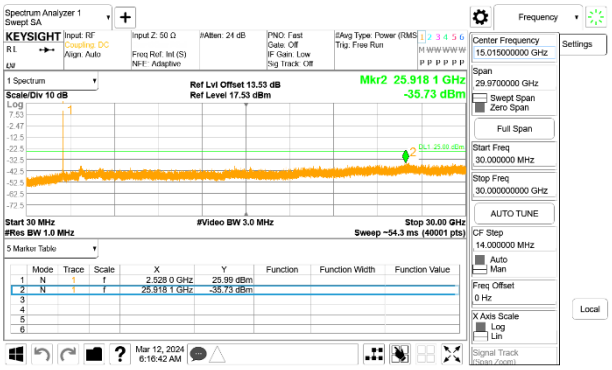
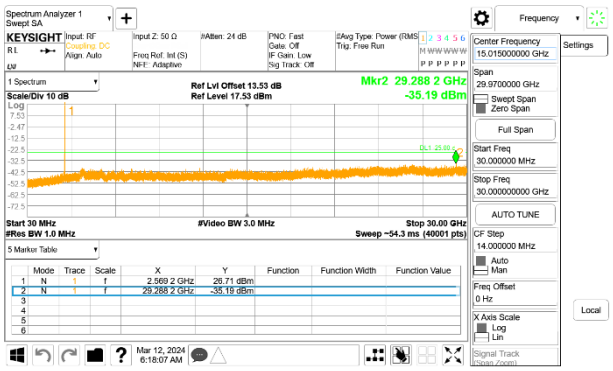


5G NR n7 15MHz BPSK Low Channel RB1-0, ID:28498



5G NR n7 15MHz BPSK Middle Channel RB1-1, ID:28498



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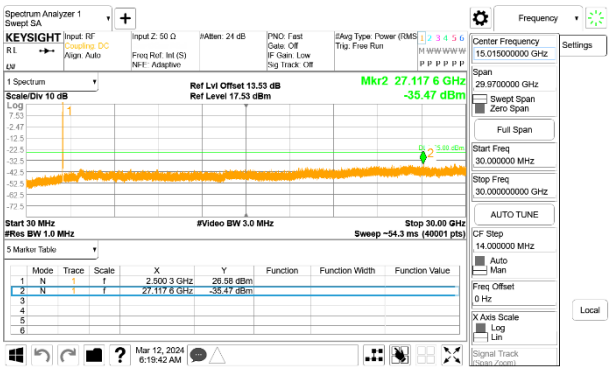
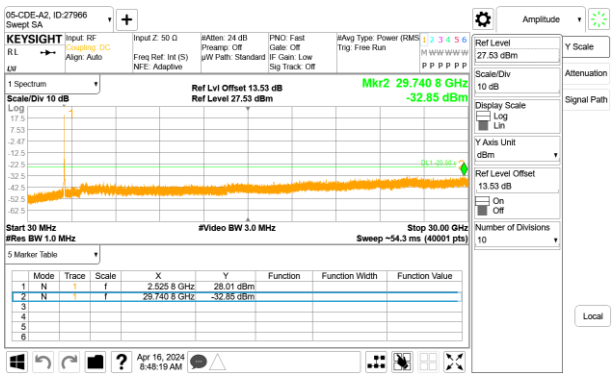
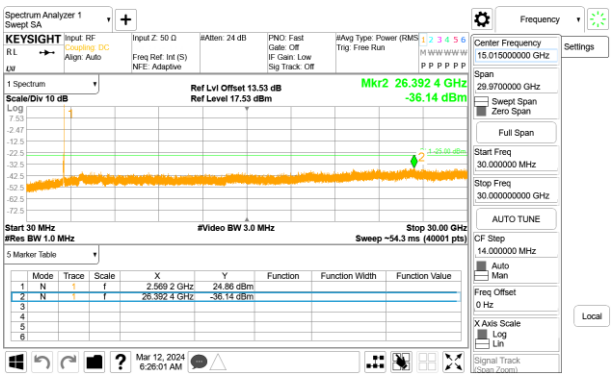


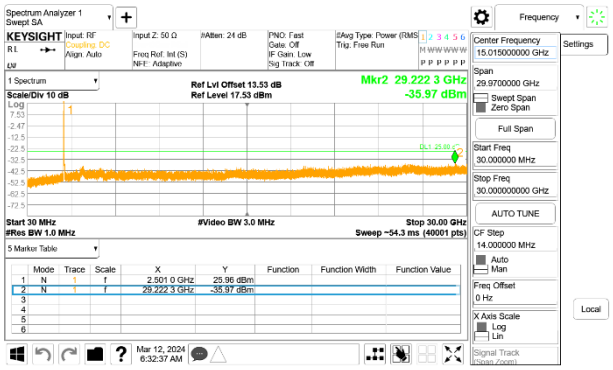
5G NR n7 20MHz BPSK Low Channel RB1-0, ID:28498



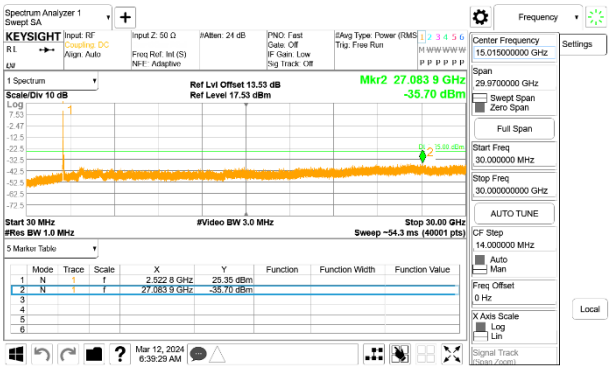
5G NR n7 20MHz BPSK Middle Channel RB1-1



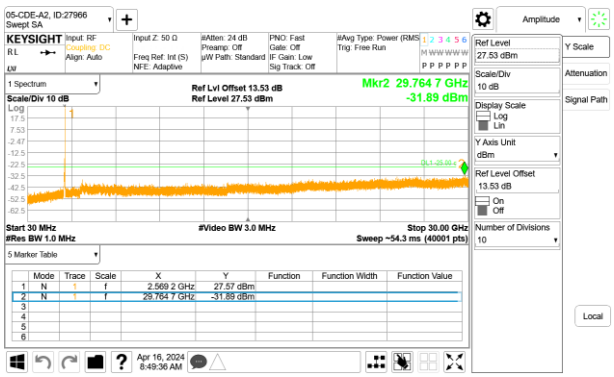
5G NR n7 20MHz BPSK High Channel RB1-105



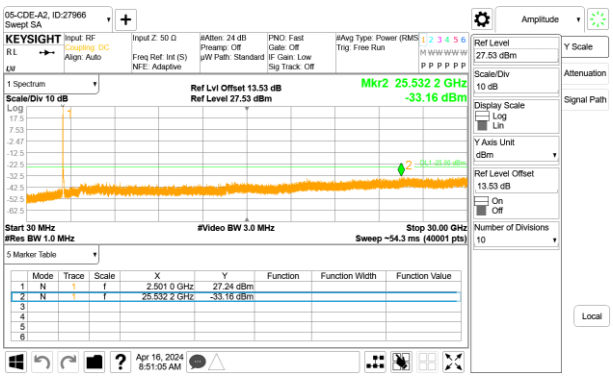
5G NR n7 25MHz BPSK Low Channel RB1-0, ID:28498



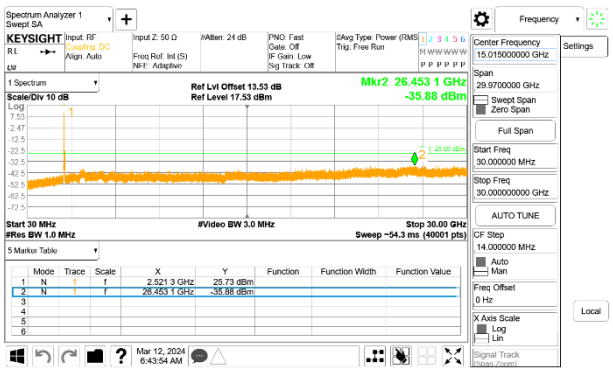
5G NR n7 25MHz BPSK Middle Channel RB1-1, ID:28498



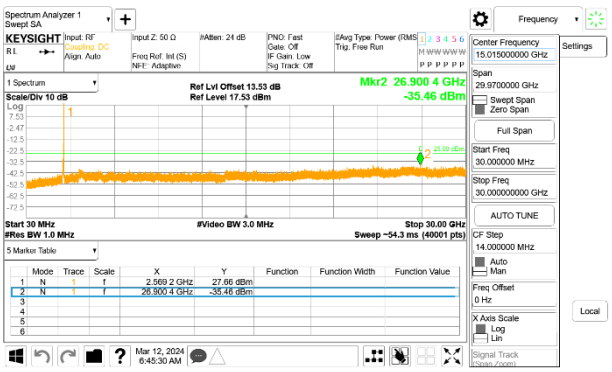
5G NR n7 25MHz BPSK High Channel RB1-132



5G NR n7 30MHz BPSK Low Channel RB1-0



5G NR n7 30MHz BPSK Middle Channel RB1-1, ID:28498



5G NR n7 30MHz BPSK High Channel RB1-159, ID:28498