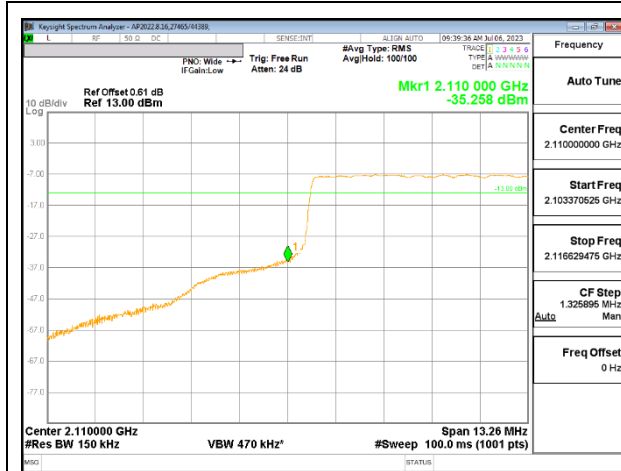
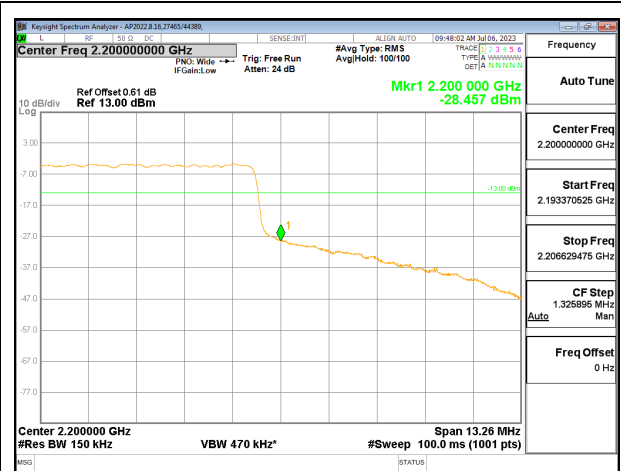


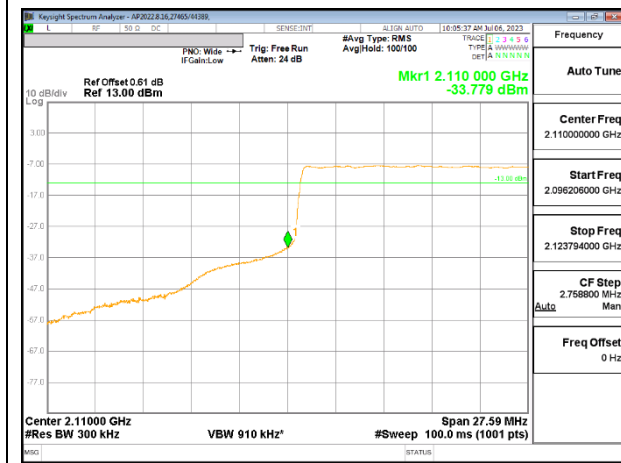
Antenna 2



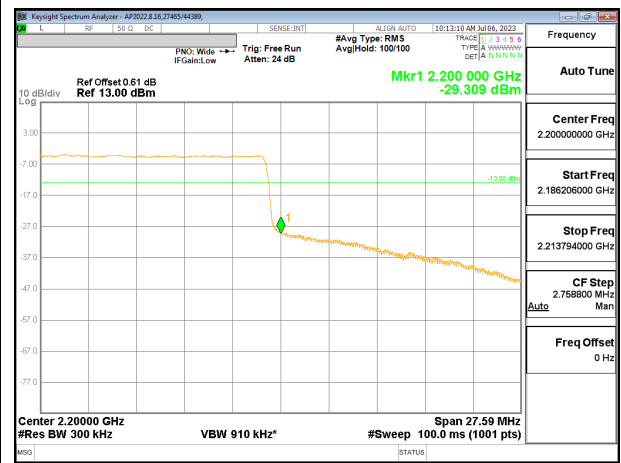
5G NR n66 10MHz QPSK Low Channel



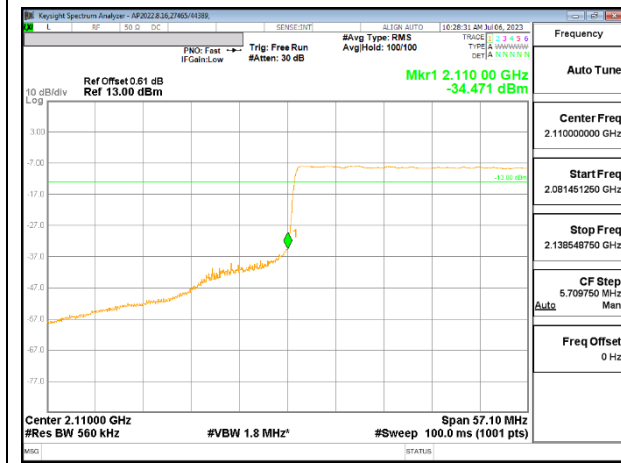
5G NR n66 10MHz QPSK High Channel



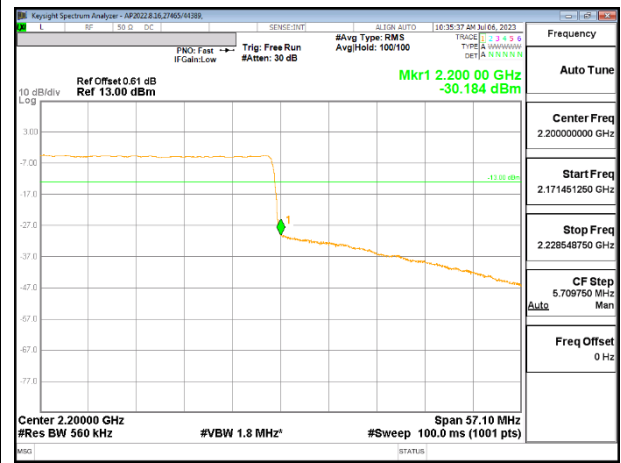
5G NR n66 20MHz QPSK Low Channel



5G NR n66 20MHz QPSK High Channel

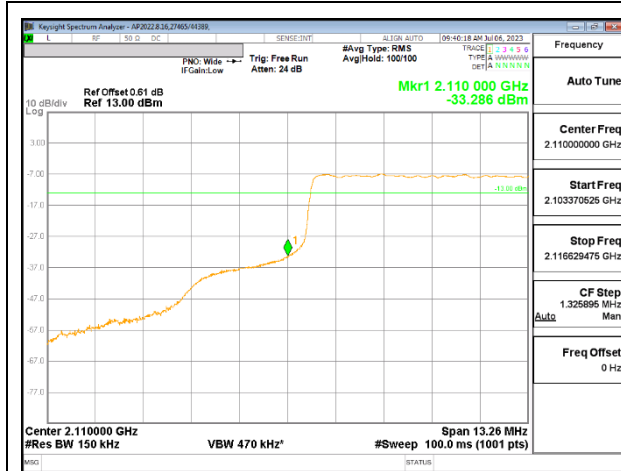


5G NR n66 40MHz QPSK Low Channel

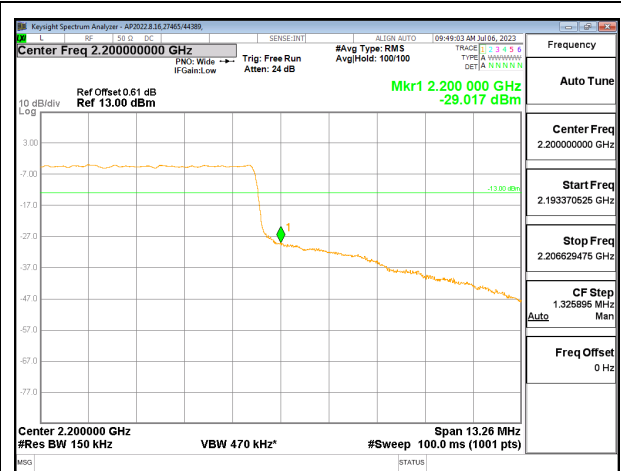


5G NR n66 40MHz QPSK High Channel

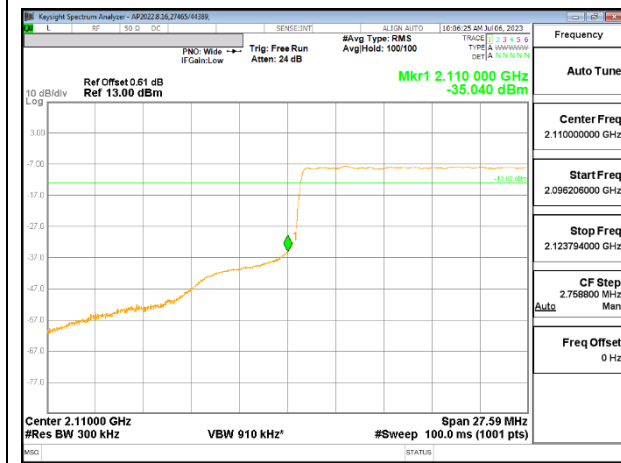
Antenna 3



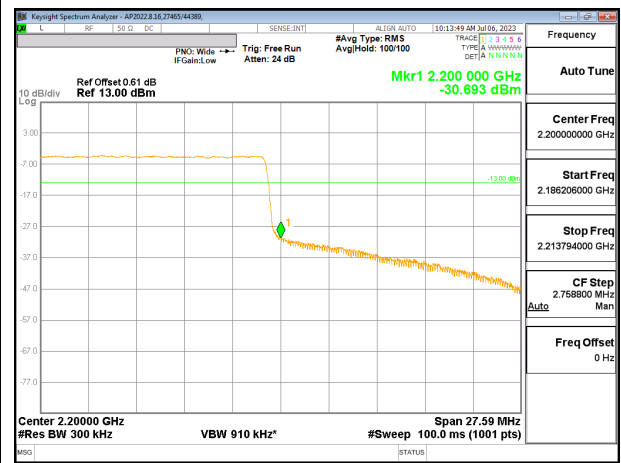
5G NR n66 10MHz QPSK Low Channel



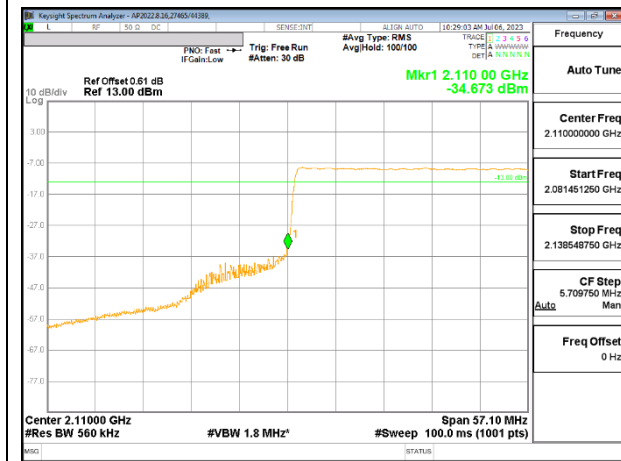
5G NR n66 10MHz QPSK High Channel



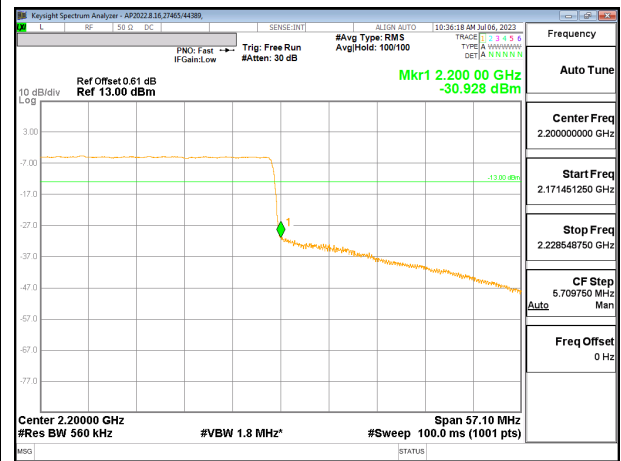
5G NR n66 20MHz QPSK Low Channel



5G NR n66 20MHz QPSK High Channel

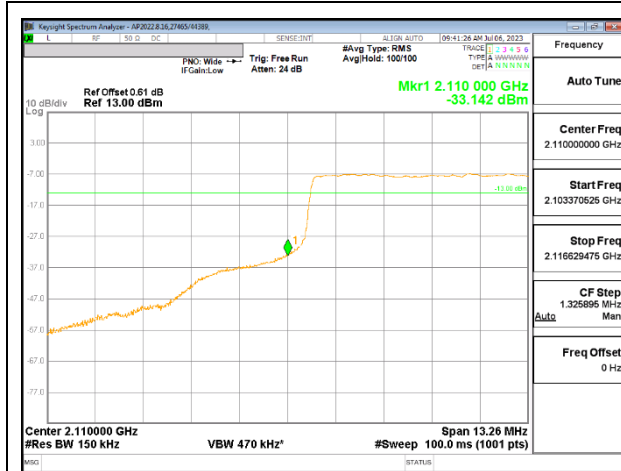


5G NR n66 40MHz QPSK Low Channel

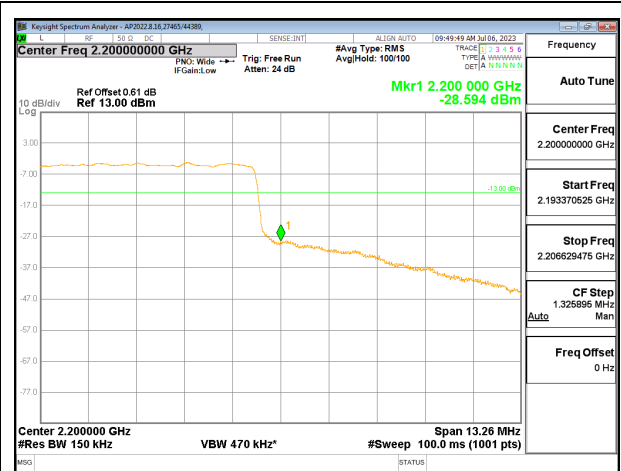


5G NR n66 40MHz QPSK High Channel

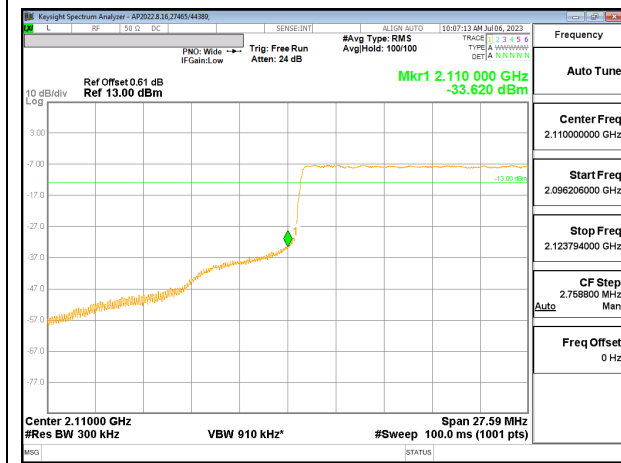
Antenna 4



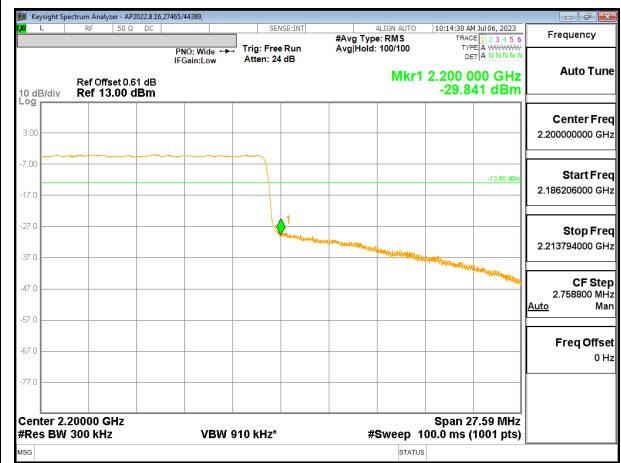
5G NR n66 10MHz QPSK Low Channel



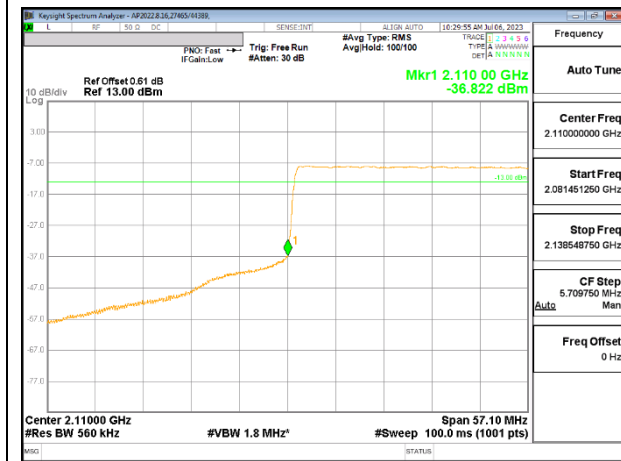
5G NR n66 10MHz QPSK High Channel



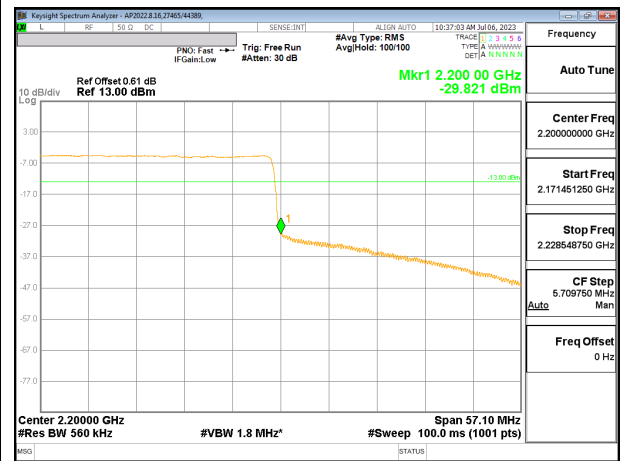
5G NR n66 20MHz QPSK Low Channel



5G NR n66 20MHz QPSK High Channel



5G NR n66 40MHz QPSK Low Channel



5G NR n66 40MHz QPSK High Channel

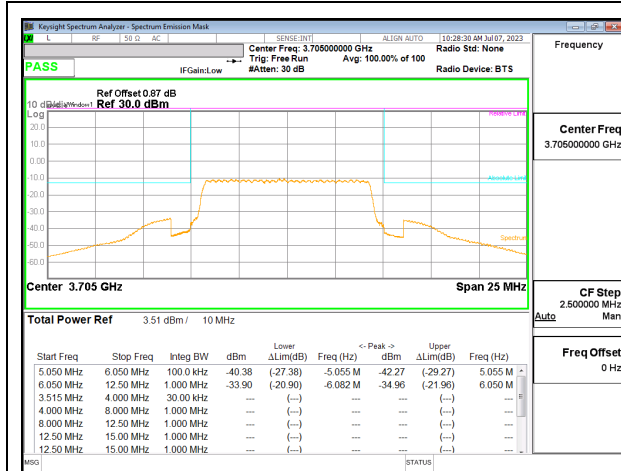
10.2.4. 5G NR n77 EMISSION MASK

LIMITS

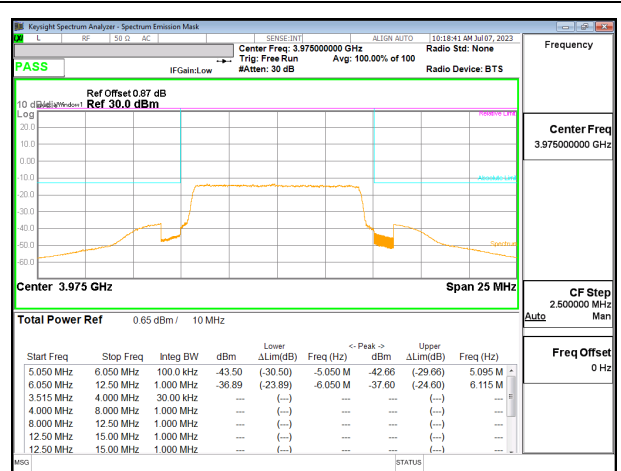
FCC: §27.53

(I) (1) For base station operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (I)(1) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

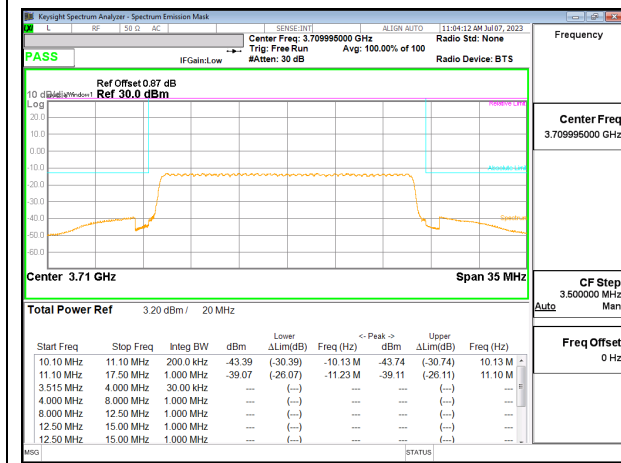
Antenna 1



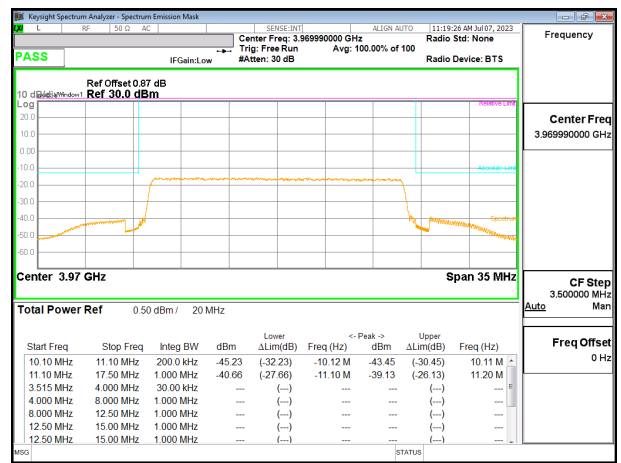
5G NR n77 10MHz 16QAM Low Channel



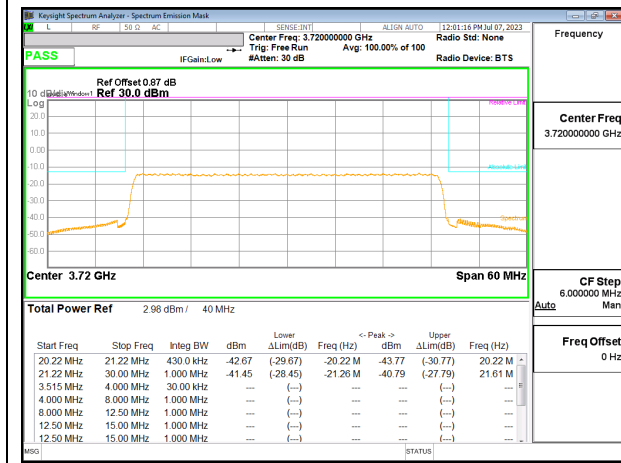
5G NR n77 10MHz 16QAM High Channel



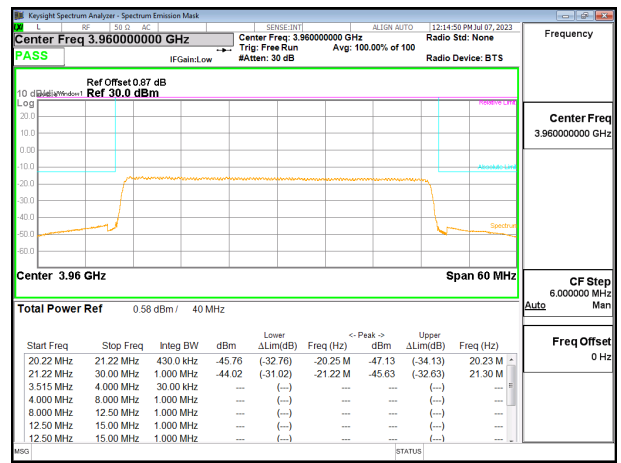
5G NR n77 20MHz 16QAM Low Channel



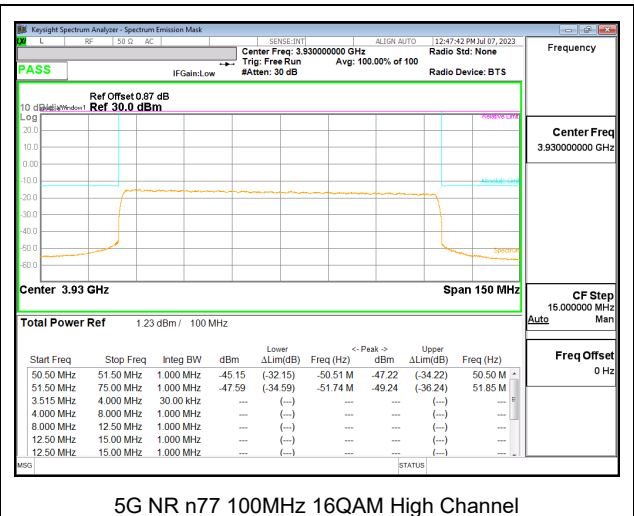
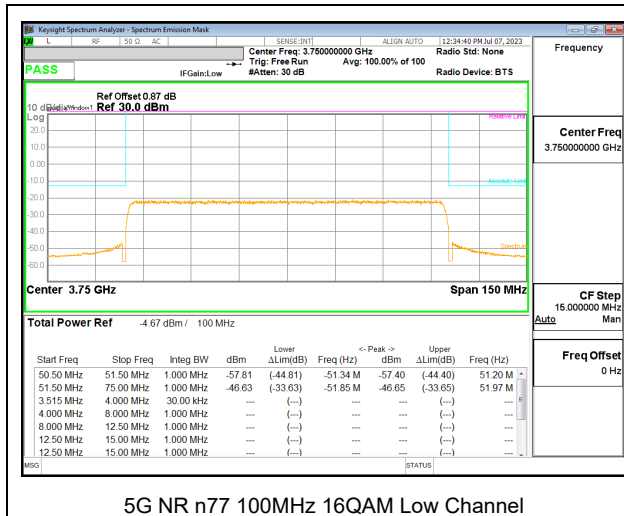
5G NR n77 20MHz 16QAM High Channel



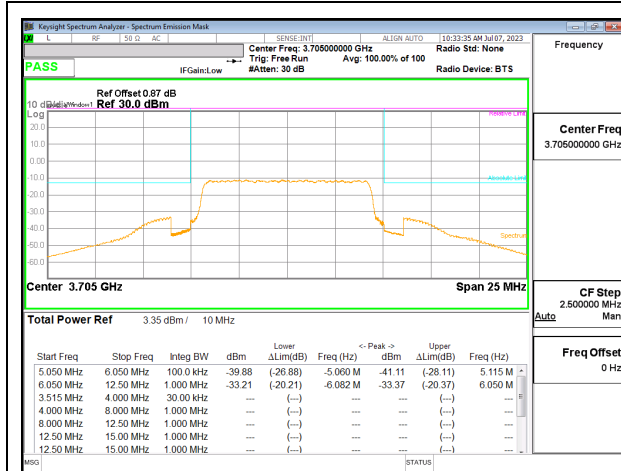
5G NR n77 40MHz 16QAM Low Channel



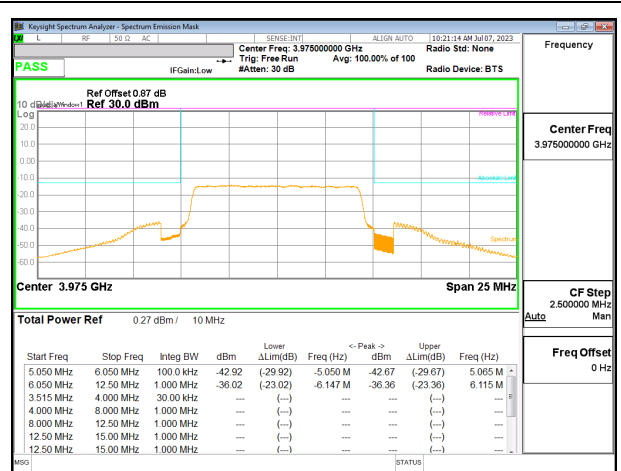
5G NR n77 40MHz 16QAM High Channel



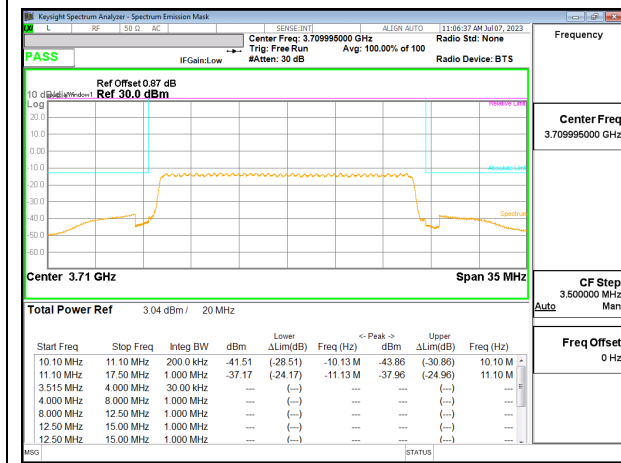
Antenna 2



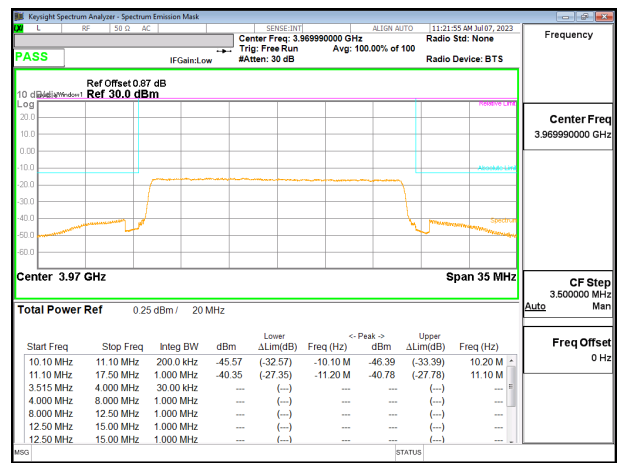
5G NR n77 10MHz 16QAM Low Channel



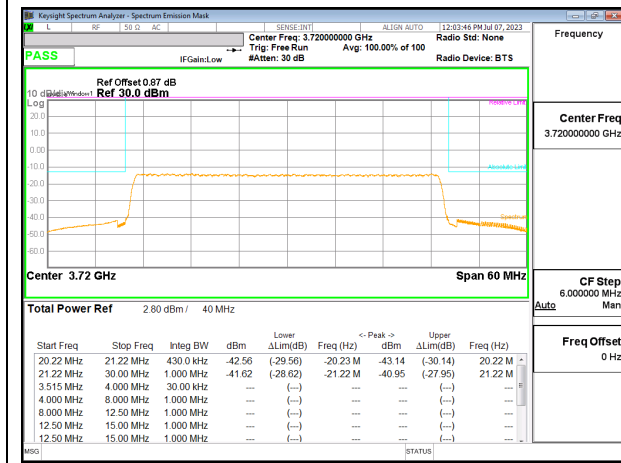
5G NR n77 10MHz 16QAM High Channel



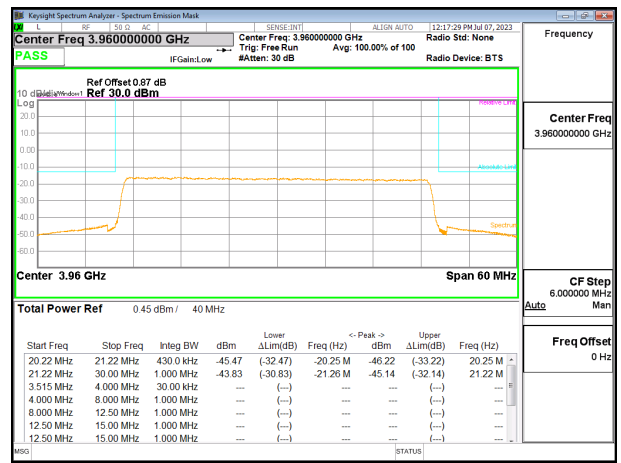
5G NR n77 20MHz 16QAM Low Channel



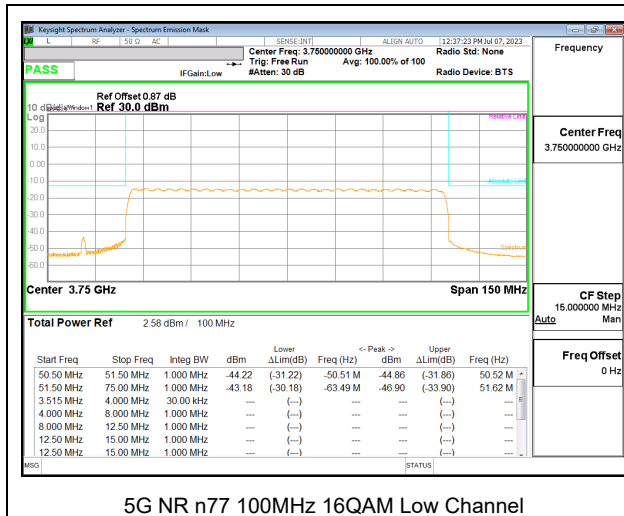
5G NR n77 20MHz 16QAM High Channel



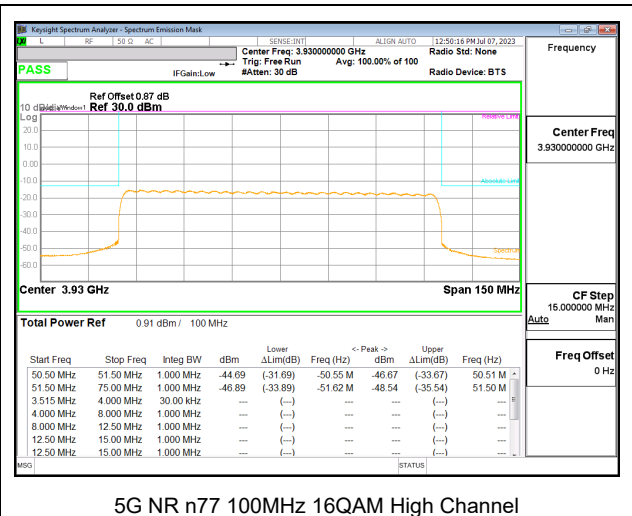
5G NR n77 40MHz 16QAM Low Channel



5G NR n77 40MHz 16QAM High Channel

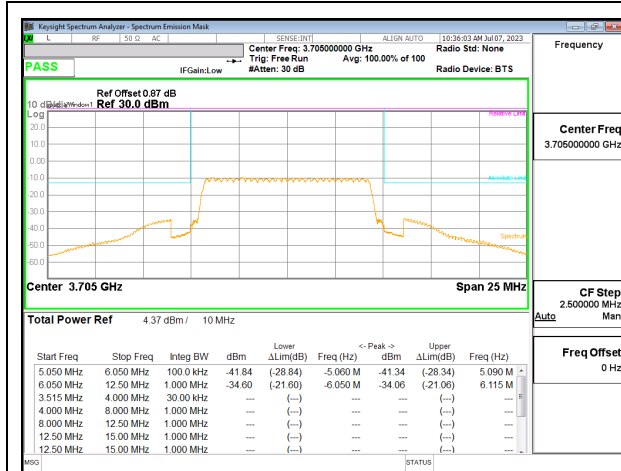


5G NR n77 100MHz 16QAM Low Channel

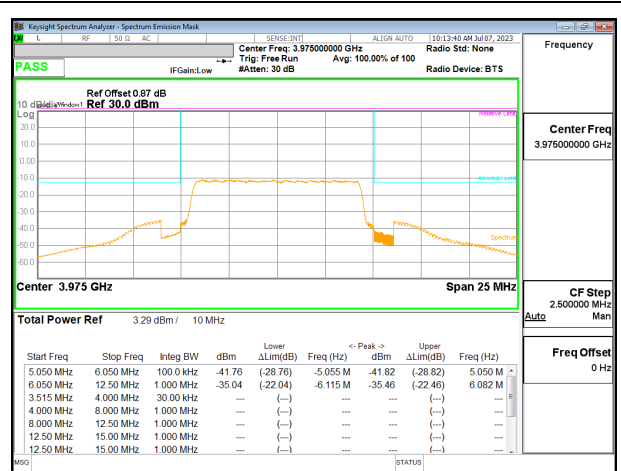


5G NR n77 100MHz 16QAM High Channel

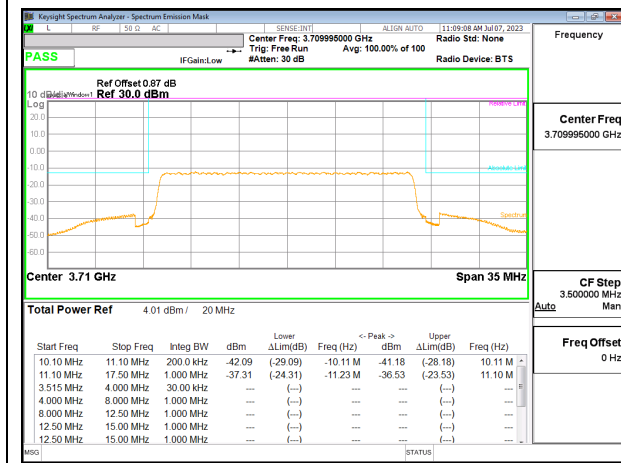
Antenna 3



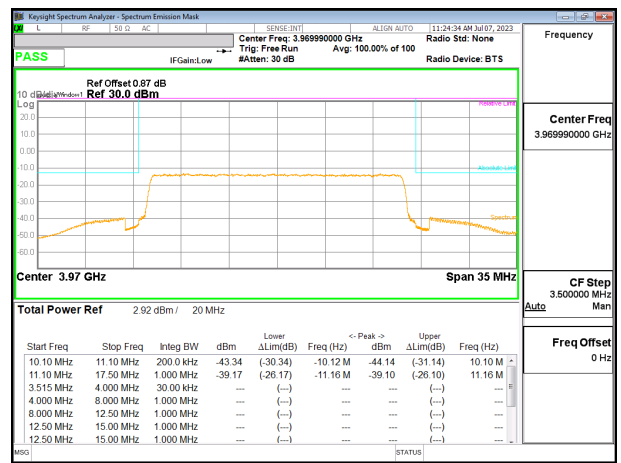
5G NR n77 10MHz 16QAM Low Channel



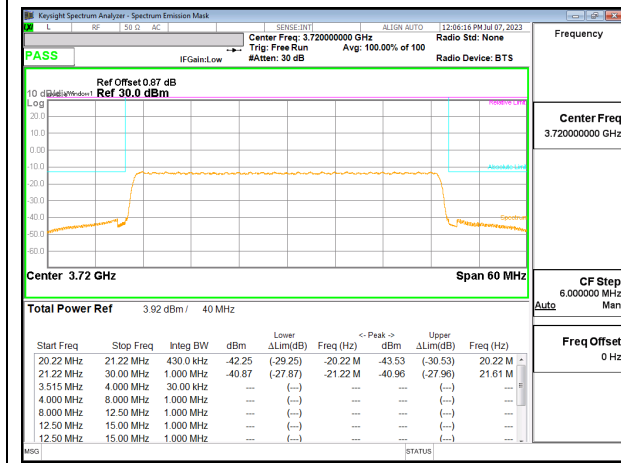
5G NR n77 10MHz 16QAM High Channel



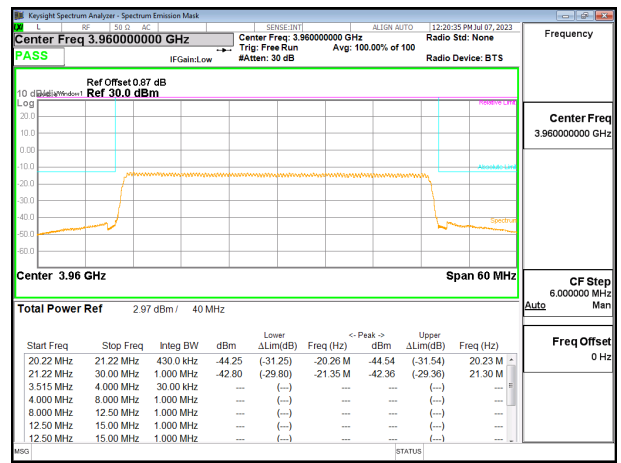
5G NR n77 20MHz 16QAM Low Channel



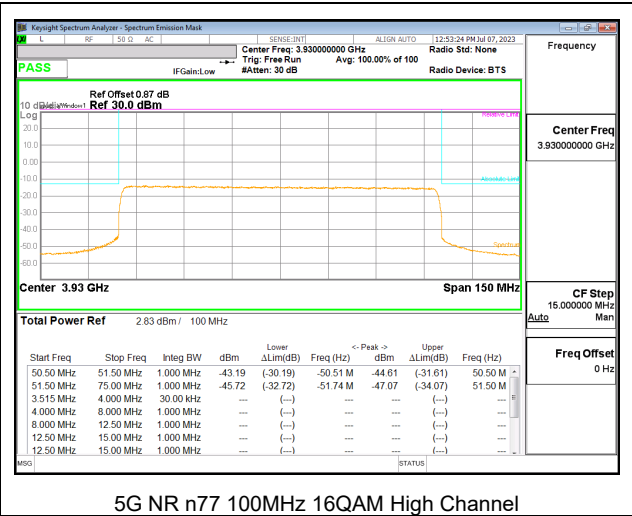
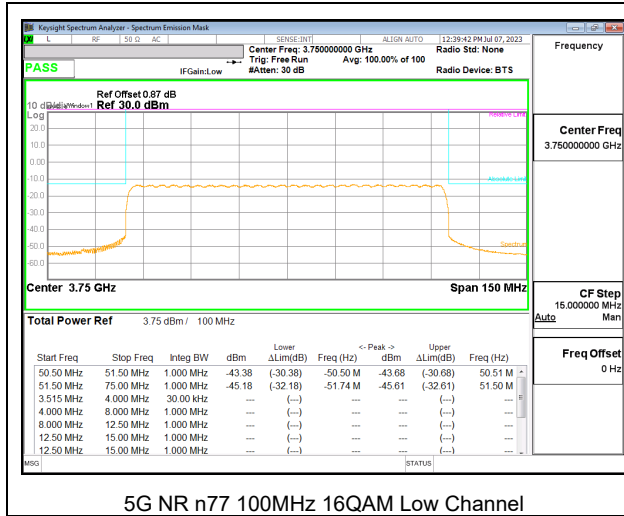
5G NR n77 20MHz 16QAM High Channel



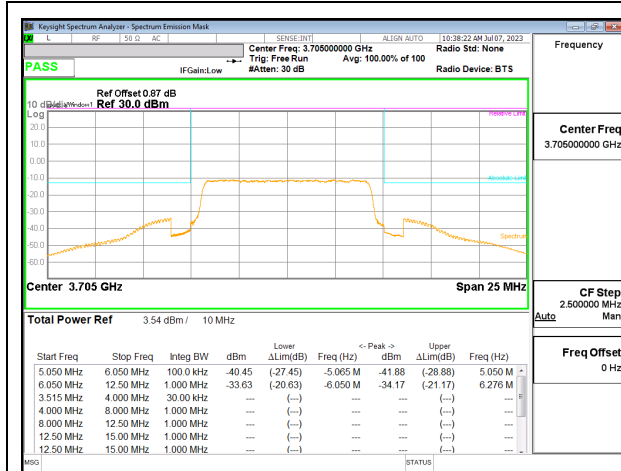
5G NR n77 40MHz 16QAM Low Channel



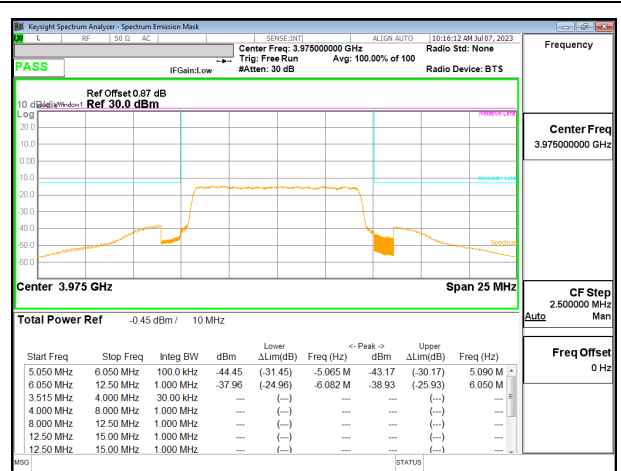
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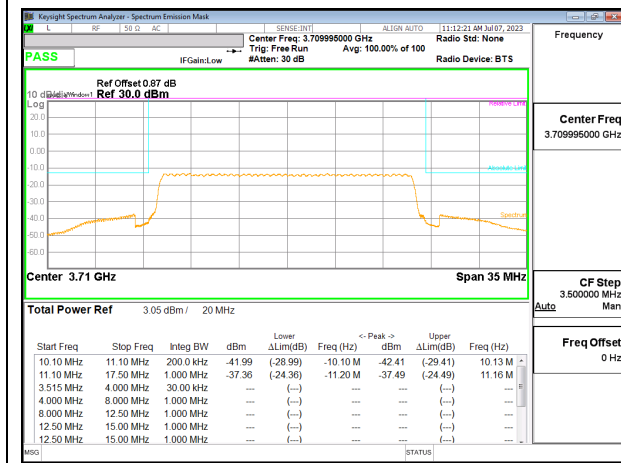
Antenna 4



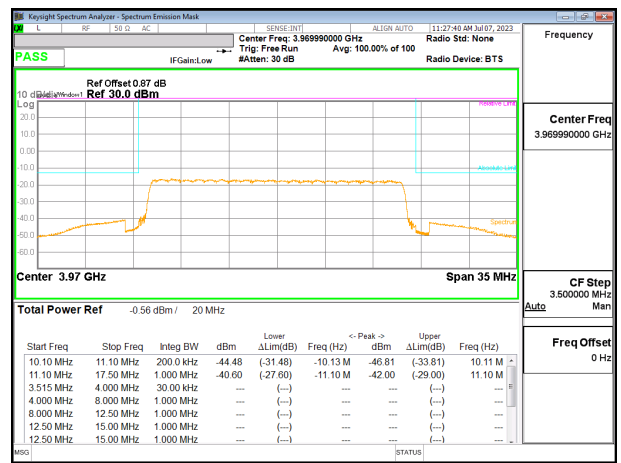
5G NR n77 10MHz 16QAM Low Channel



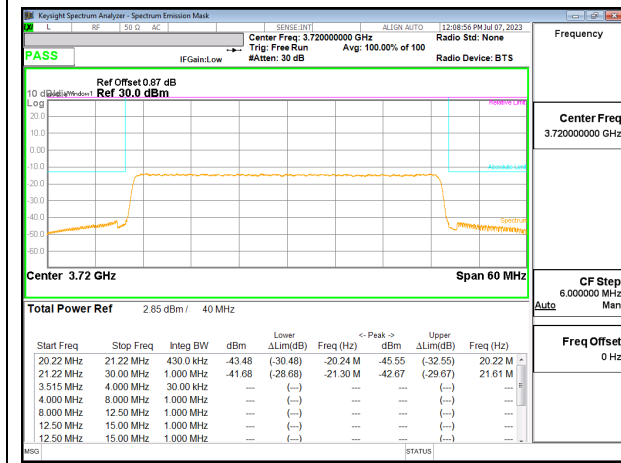
5G NR n77 10MHz 16QAM High Channel



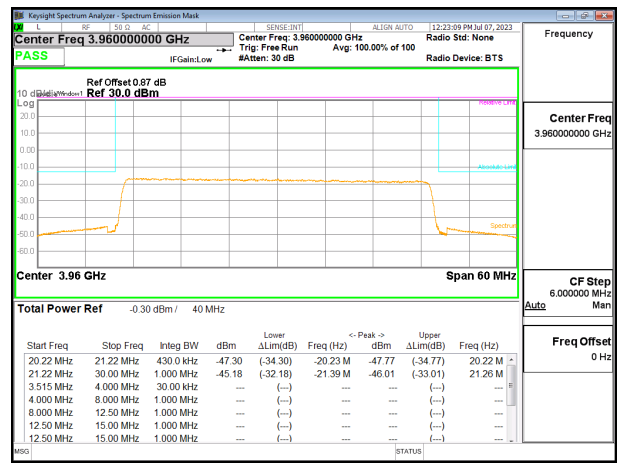
5G NR n77 20MHz 16QAM Low Channel



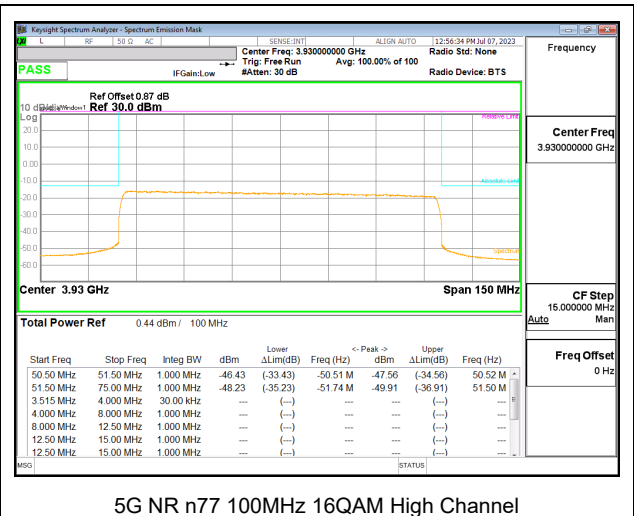
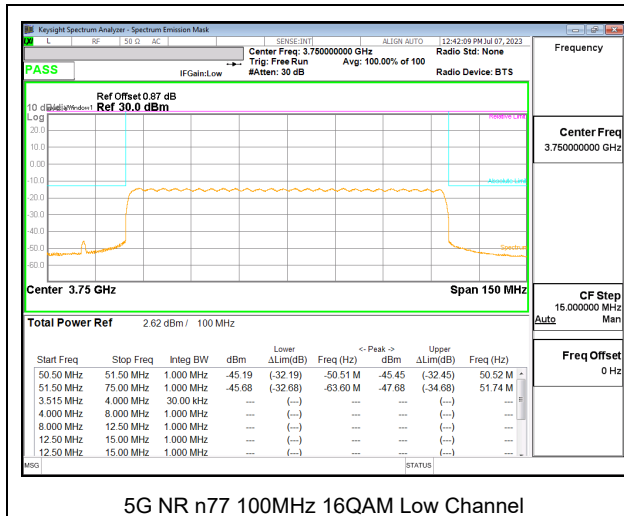
5G NR n77 20MHz 16QAM High Channel



5G NR n77 40MHz 16QAM Low Channel



5G NR n77 40MHz 16QAM High Channel



5G NR n77 100MHz 16QAM Low Channel

5G NR n77 100MHz 16QAM High Channel

10.3. 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.
- 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

Test Engineer ID:	22797/44389, 27465/44389	Test Date:	2023-06-29, 2023-06-30, 2023-07-05, 2023-07-06
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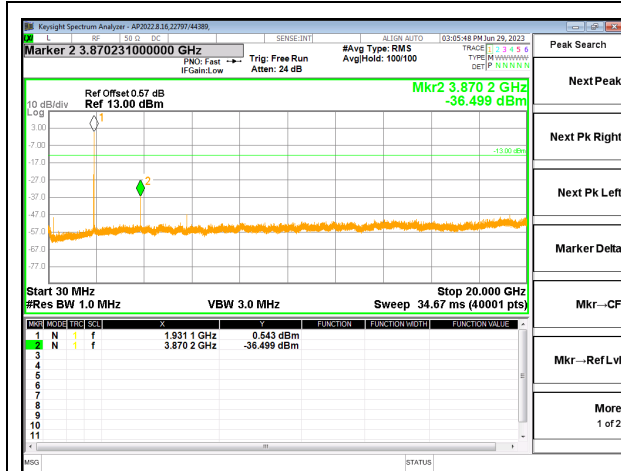
10.3.1. 5G NR n2

LIMITS

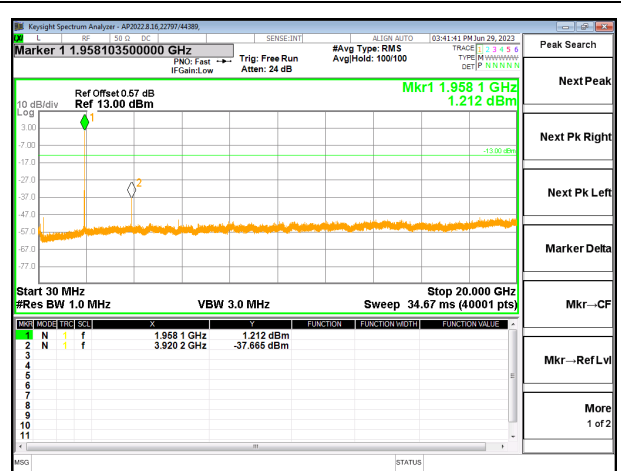
FCC: §24.238 (a)

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

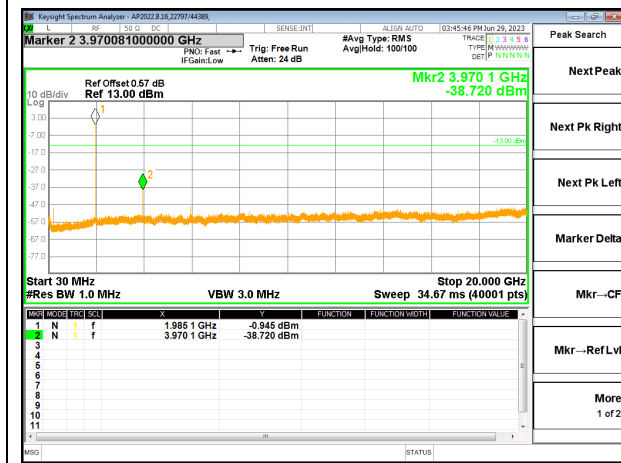
Antenna 1



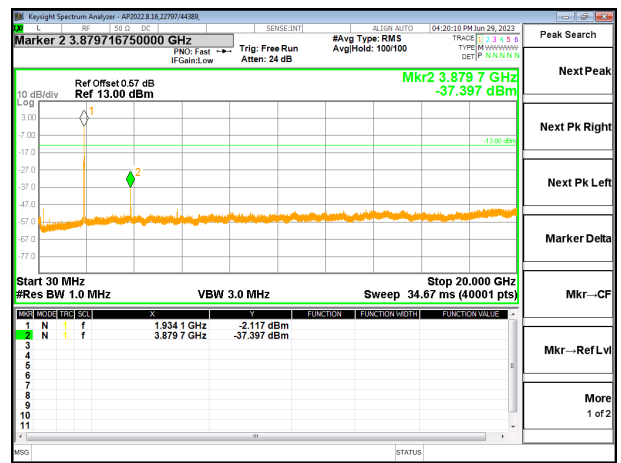
5G NR n2 10MHz 16QAM Low Channel



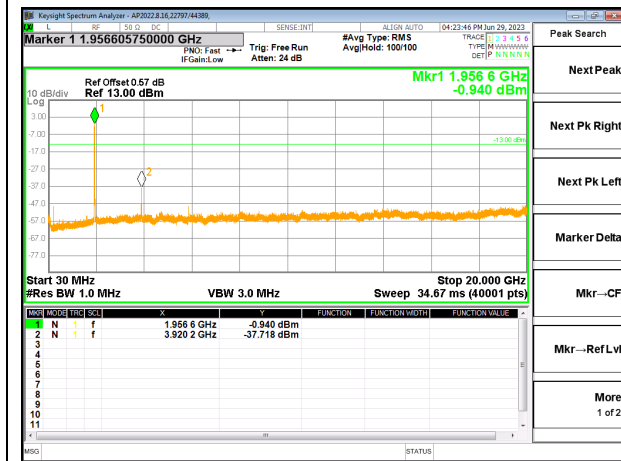
5G NR n2 10MHz 16QAM Middle Channel



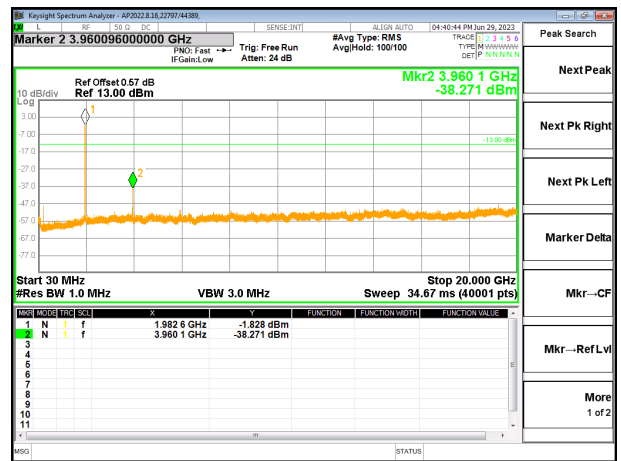
5G NR n2 10MHz 16QAM High Channel



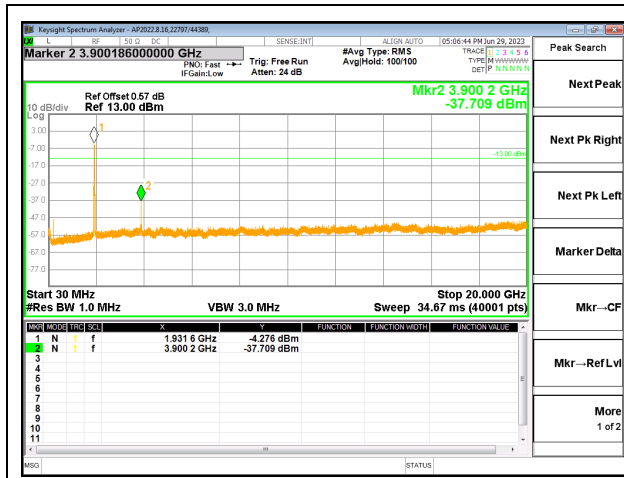
5G NR n2 20MHz 16QAM Low Channel



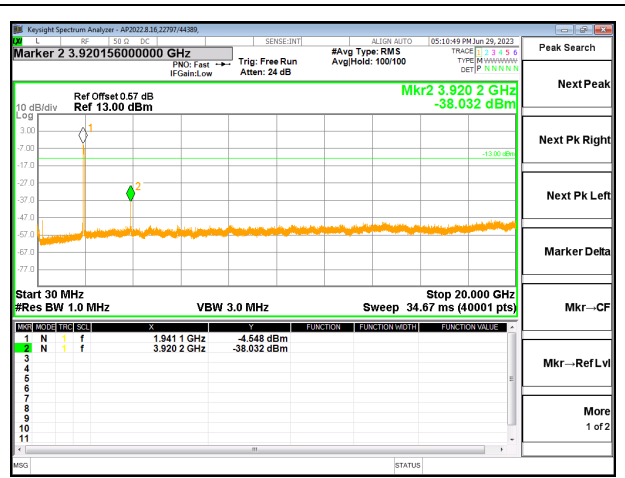
5G NR n2 20MHz 16QAM Middle Channel



5G NR n2 20MHz 16QAM High Channel



5G NR n2 40MHz 16QAM Low Channel



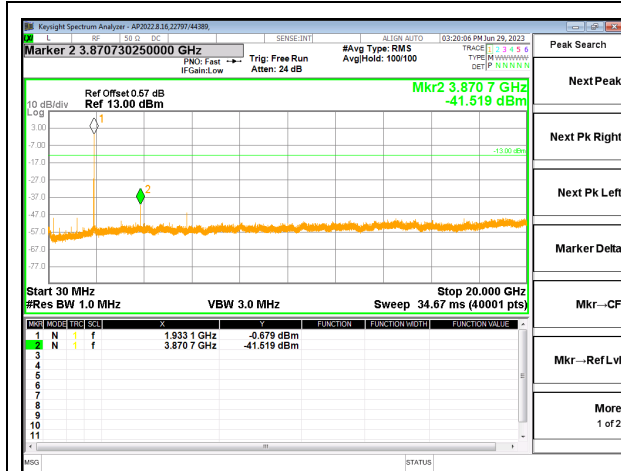
5G NR n2 40MHz 16QAM Middle Channel



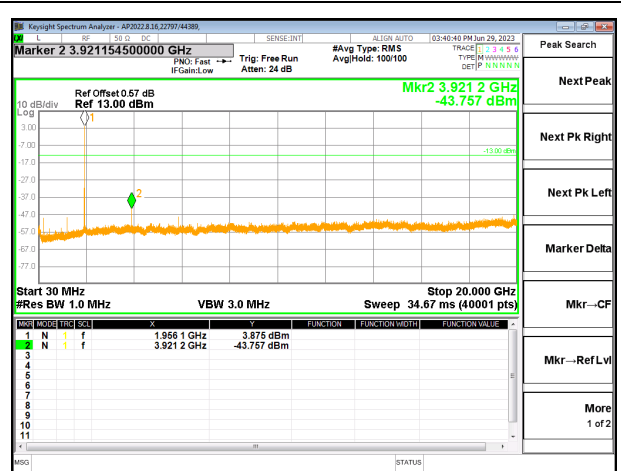
5G NR n2 40MHz 16QAM High Channel

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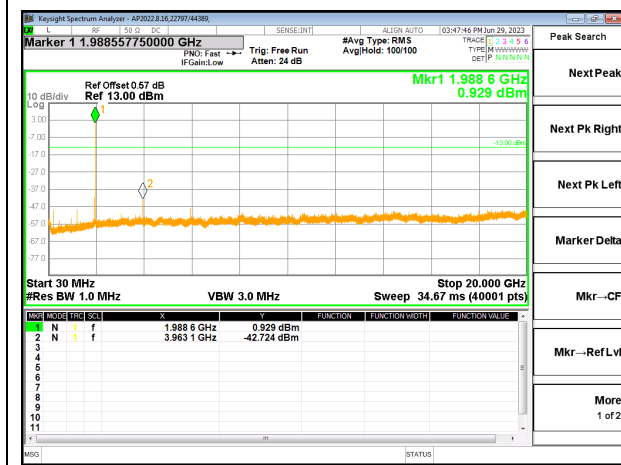
Antenna 2



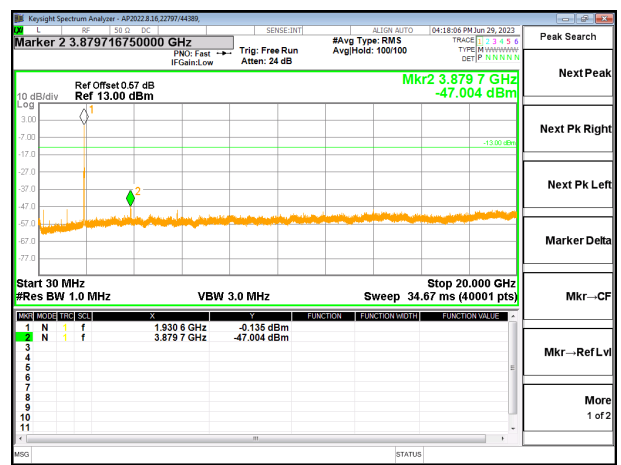
5G NR n2 10MHz 16QAM Low Channel



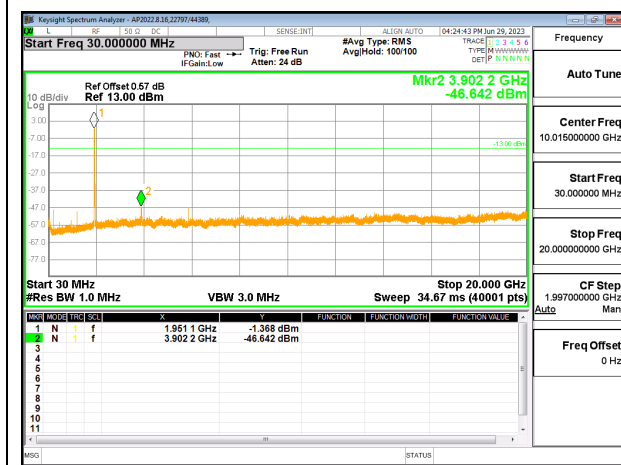
5G NR n2 10MHz 16QAM Middle Channel



5G NR n2 10MHz 16QAM High Channel



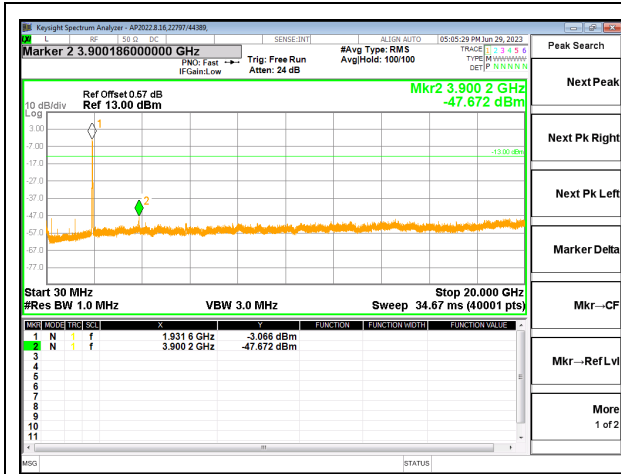
5G NR n2 20MHz 16QAM Low Channel



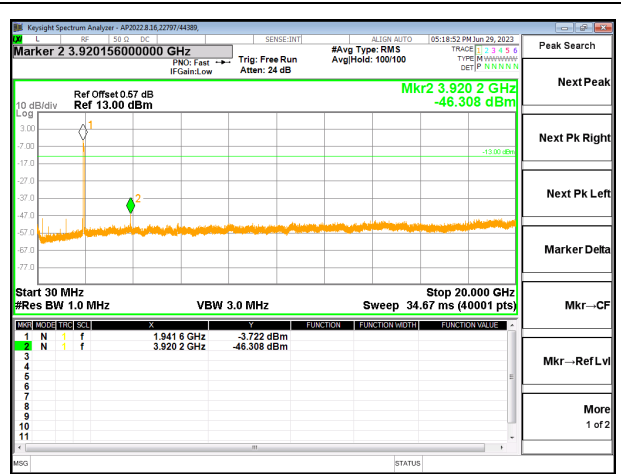
5G NR n2 20MHz 16QAM Middle Channel



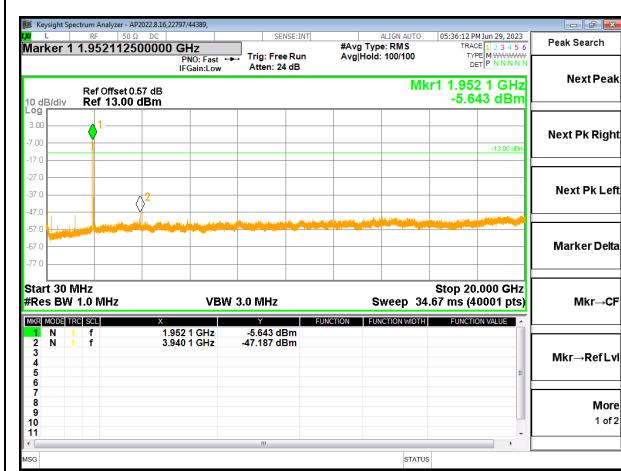
5G NR n2 20MHz 16QAM High Channel



5G NR n2 40MHz 16QAM Low Channel



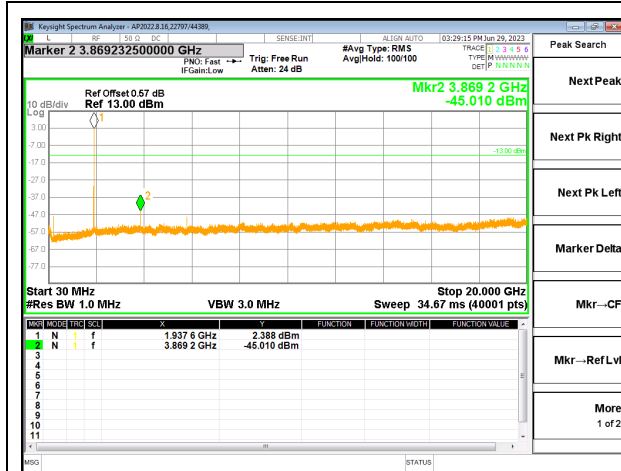
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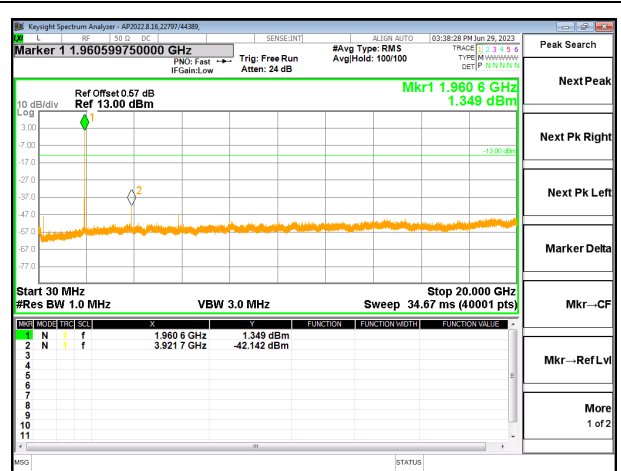
5G NR n2 40MHz 16QAM High Channel

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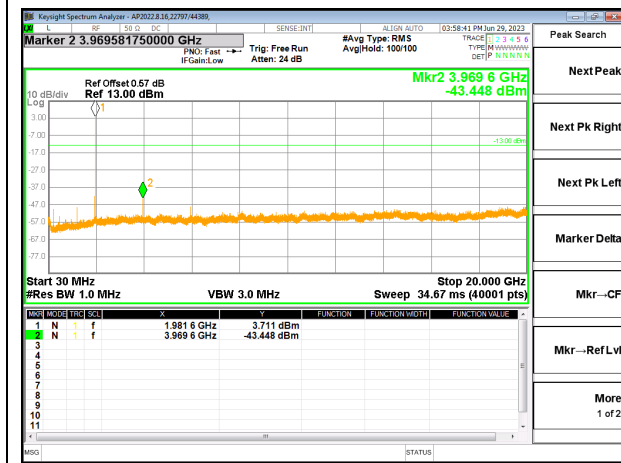
Antenna 3



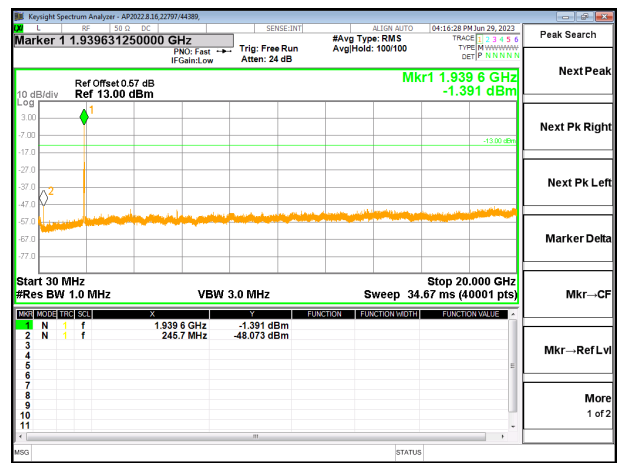
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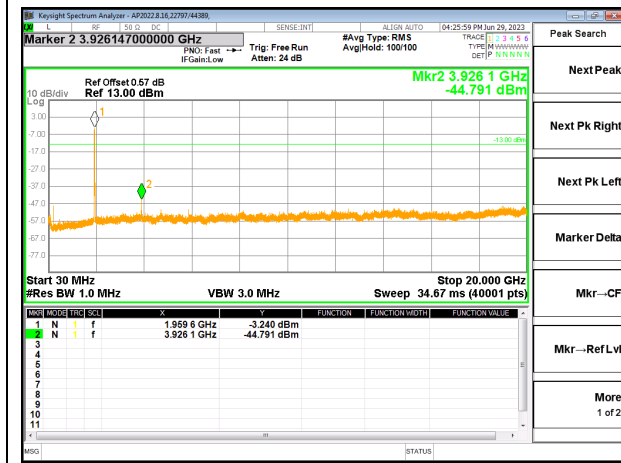
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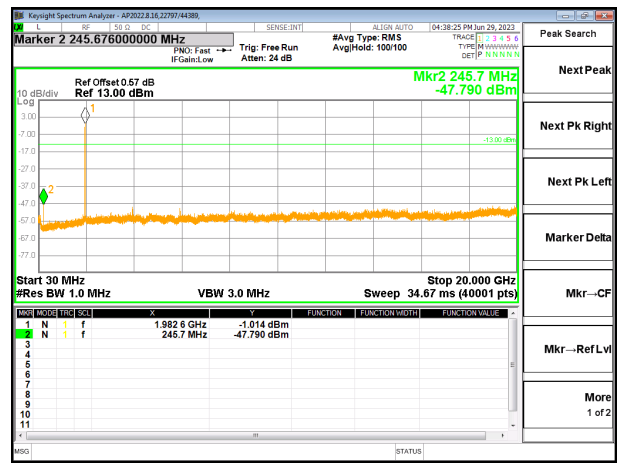
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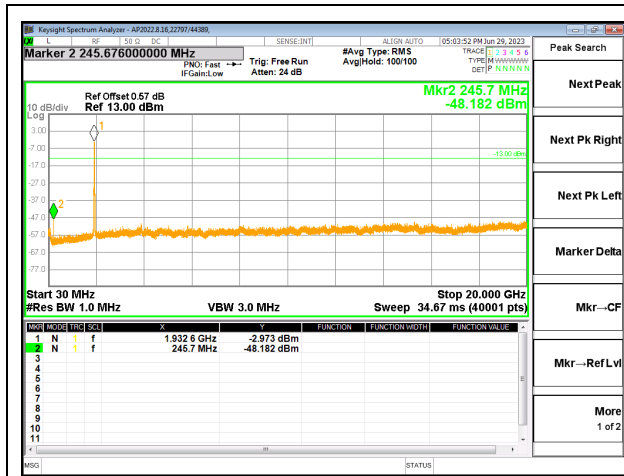
5G NR n2 20MHz 16QAM Low Channel



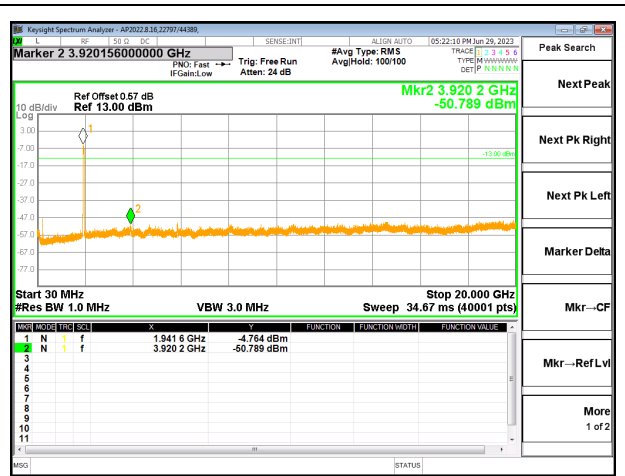
5G NR n2 20MHz 16QAM Middle Channel



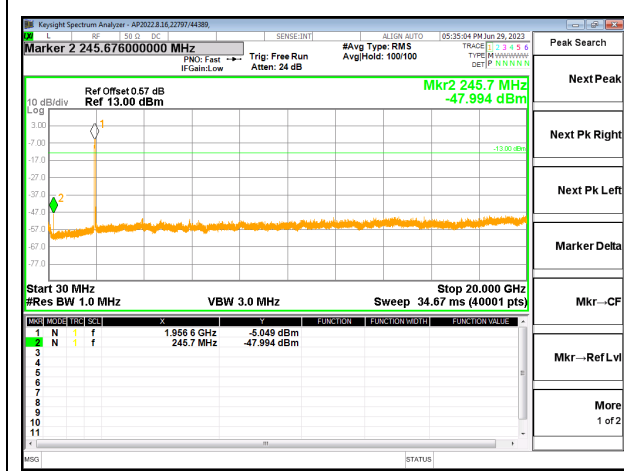
5G NR n2 20MHz 16QAM High Channel



5G NR n2 40MHz 16QAM Low Channel



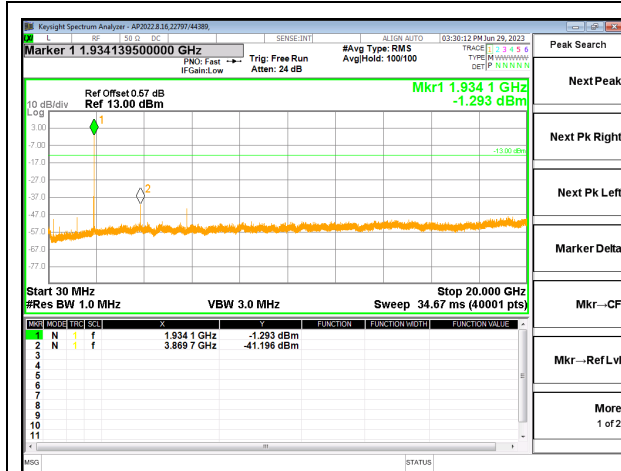
5G NR n2 40MHz 16QAM Middle Channel



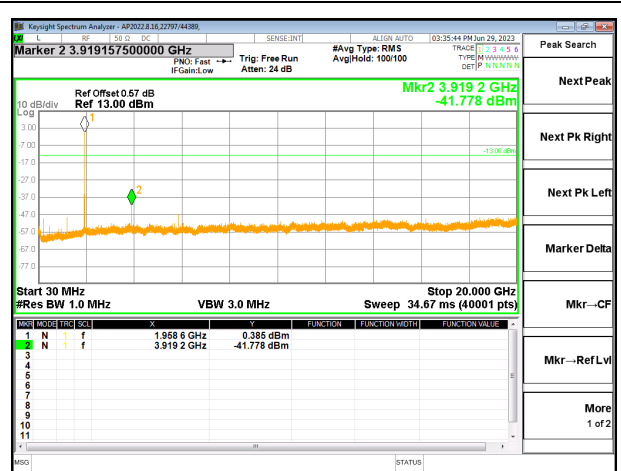
5G NR n2 40MHz 16QAM High Channel

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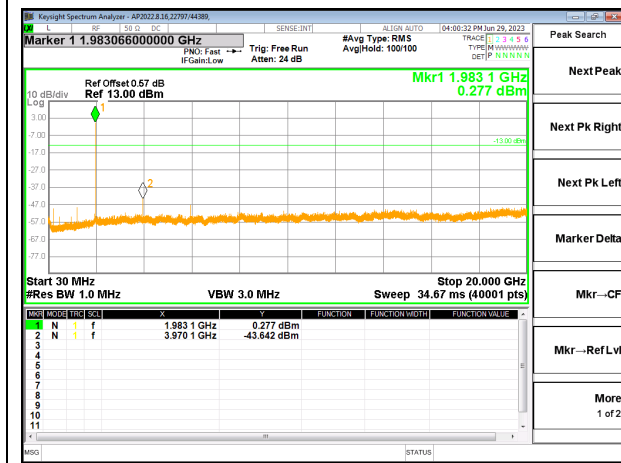
Antenna 4



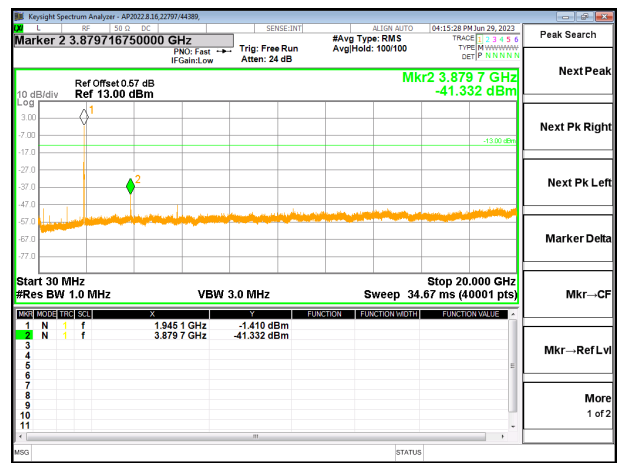
5G NR n2 10MHz 16QAM Low Channel



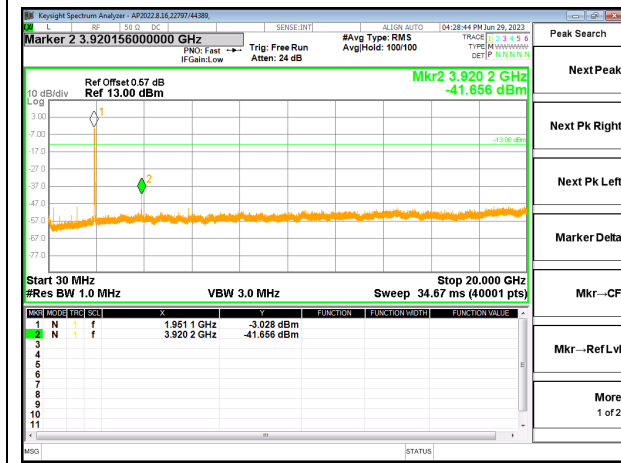
5G NR n2 10MHz 16QAM Middle Channel



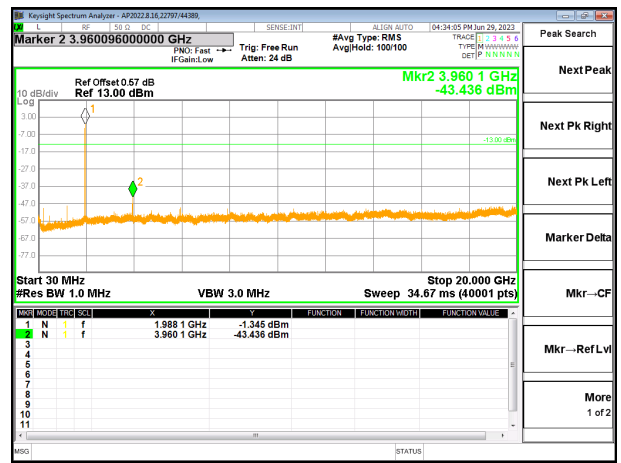
5G NR n2 10MHz 16QAM High Channel



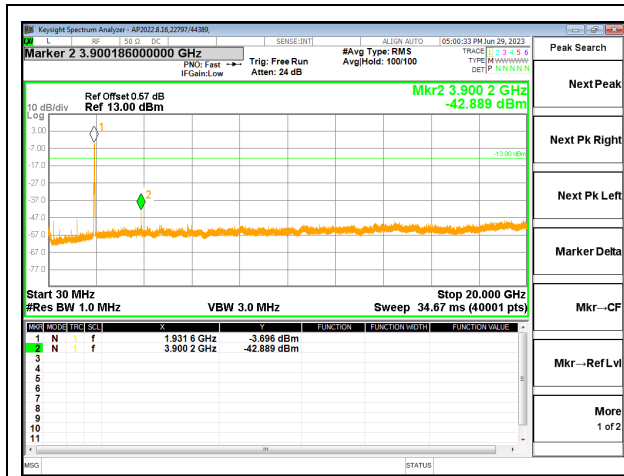
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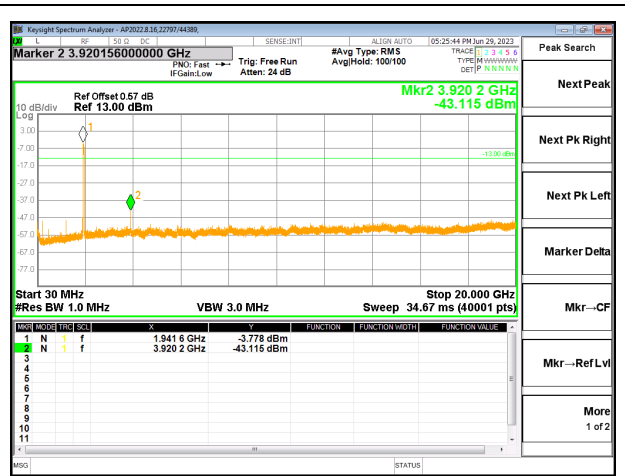
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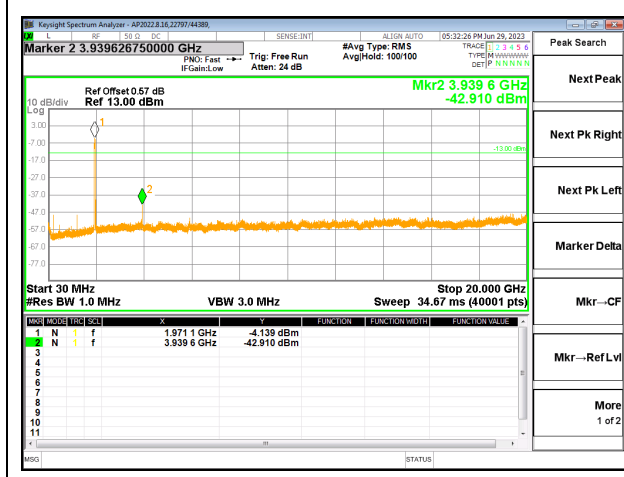
5G NR n2 20MHz 16QAM High Channel



5G NR n2 40MHz 16QAM Low Channel



5G NR n2 40MHz 16QAM Middle Channel



5G NR n2 40MHz 16QAM High Channel

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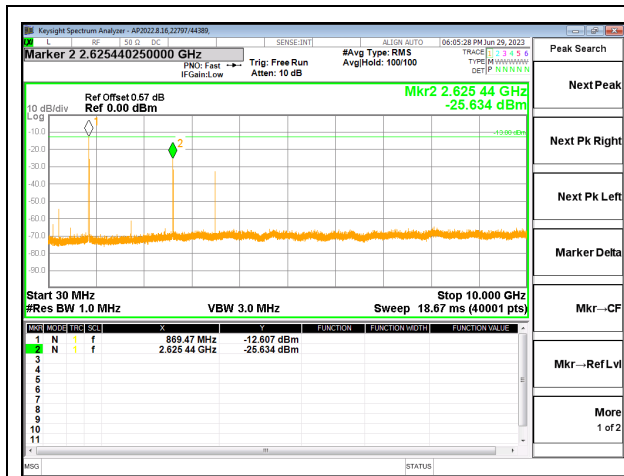
10.3.2. 5G NR n5

LIMITS

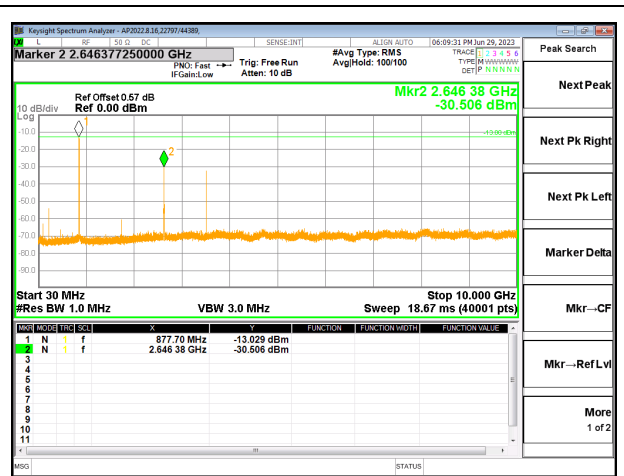
FCC: §22.917 (a)

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

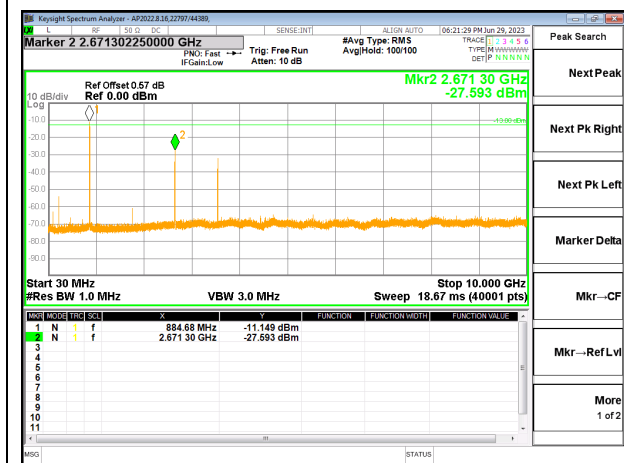
Antenna 1



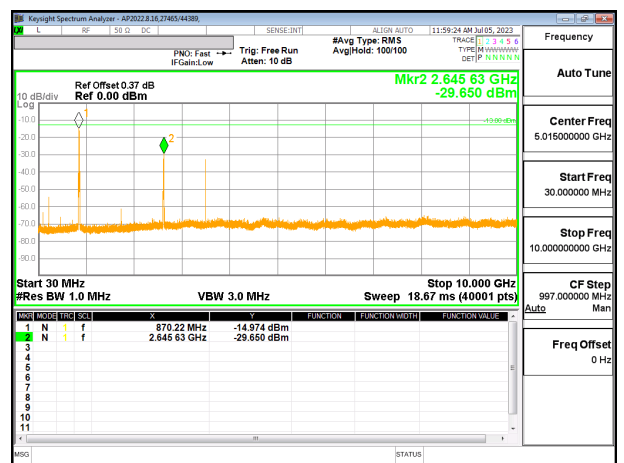
5G NR n5 10MHz 16QAM Low Channel



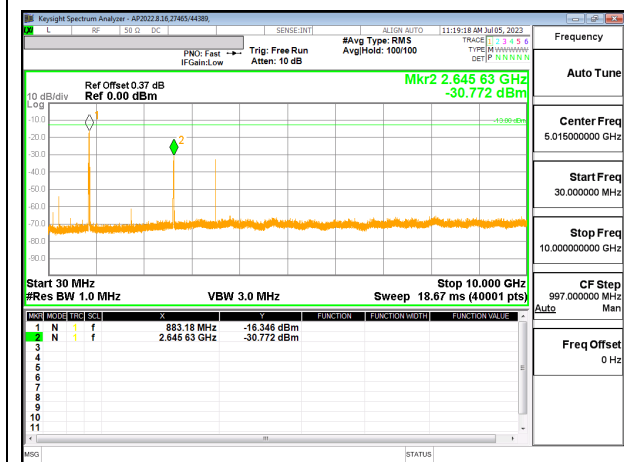
5G NR n5 10MHz 16QAM Middle Channel



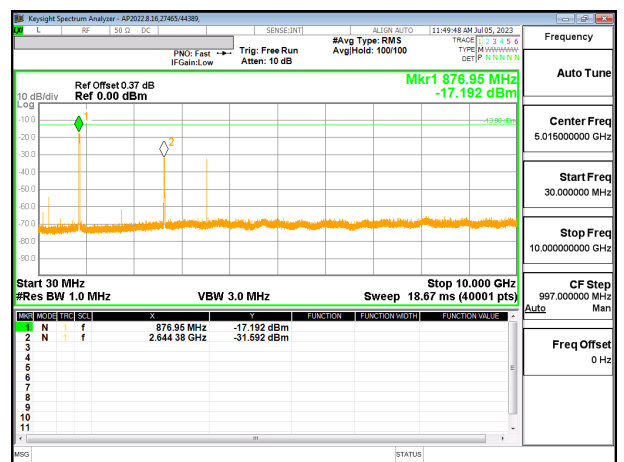
5G NR n5 10MHz 16QAM High Channel



5G NR n5 20MHz 16QAM Low Channel

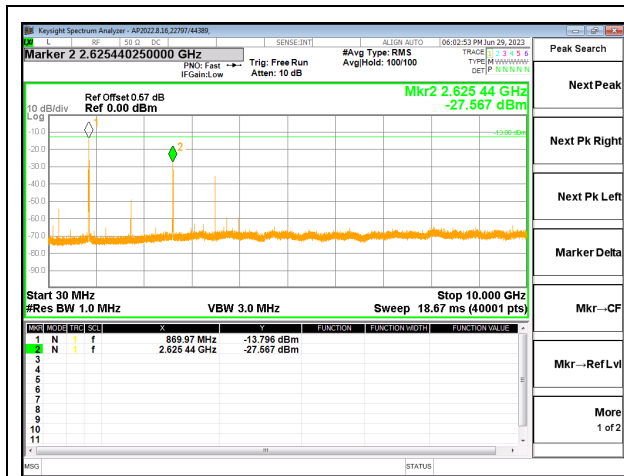


5G NR n5 20MHz 16QAM Middle Channel

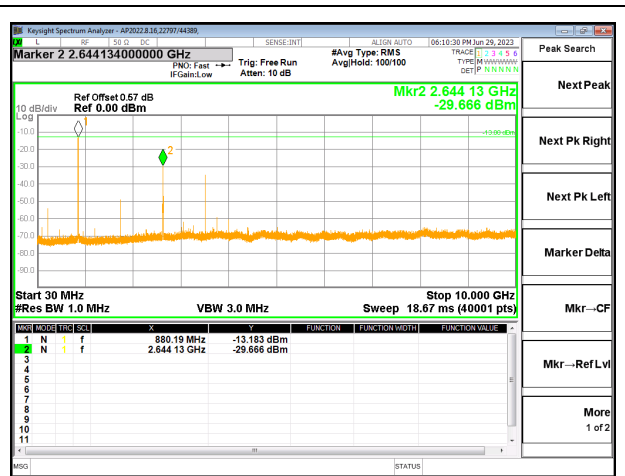


5G NR n5 20MHz 16QAM High Channel

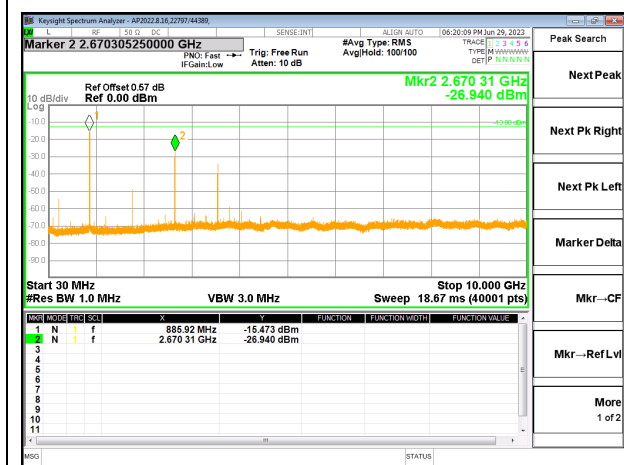
Antenna 2



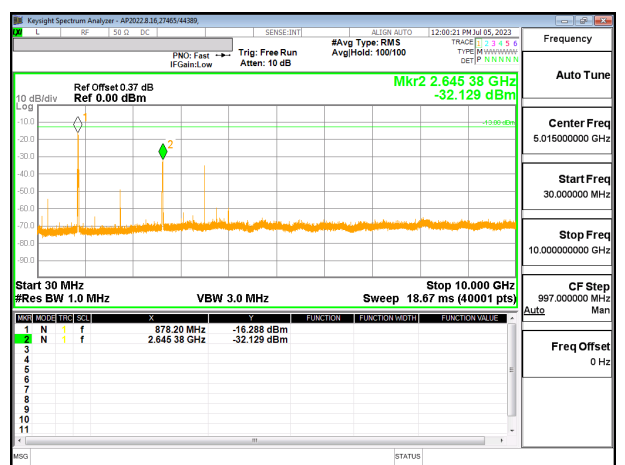
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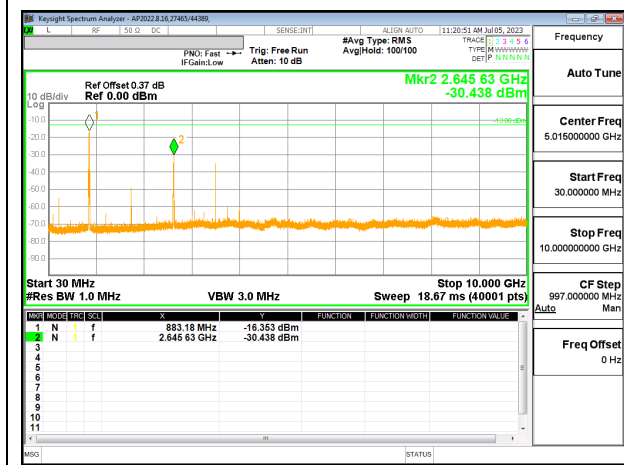
5G NR n5 10MHz 16QAM Middle Channel



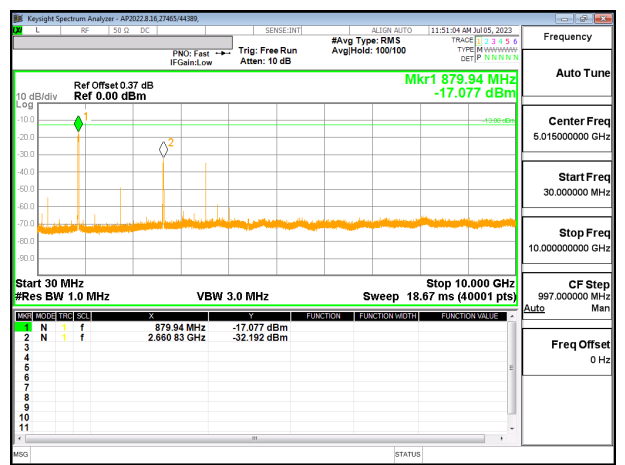
5G NR n5 10MHz 16QAM High Channel



5G NR n5 20MHz 16QAM Low Channel



5G NR n5 20MHz 16QAM Middle Channel



5G NR n5 20MHz 16QAM High Channel