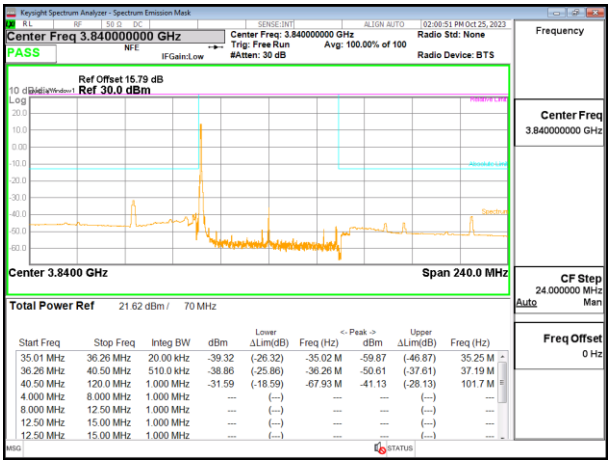
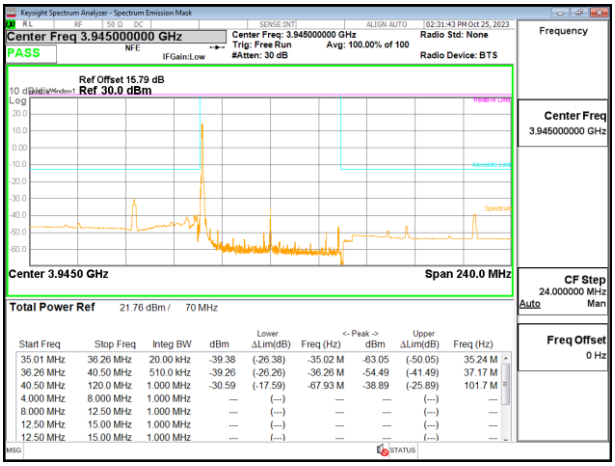
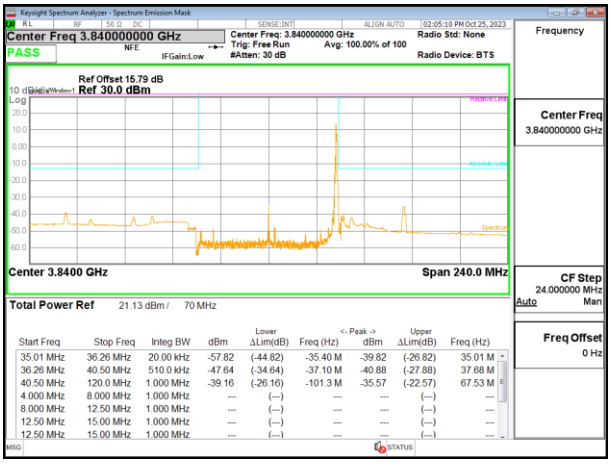


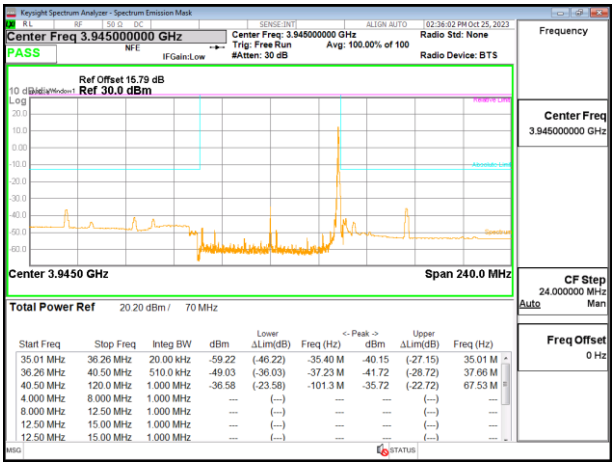
5G NR n77 70MHz QPSK Middle Channel RB1-0



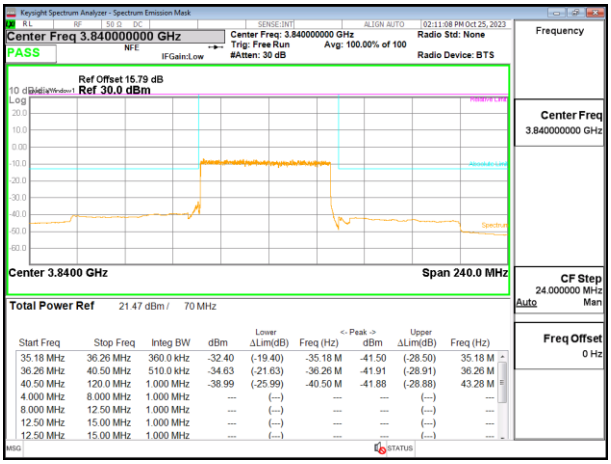
5G NR n77 70MHz QPSK High Channel RB1-0



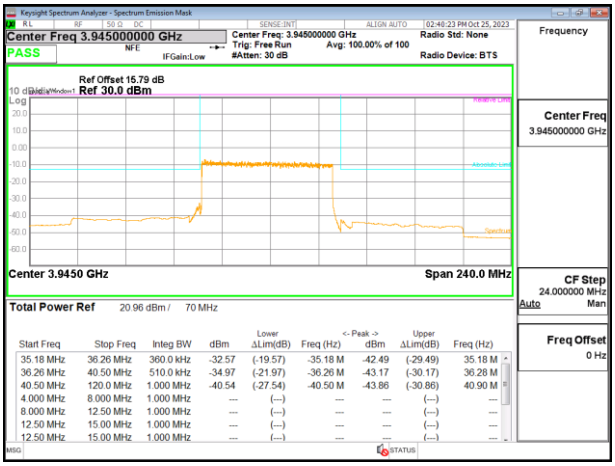
5G NR n77 70MHz QPSK Middle Channel RB1-188



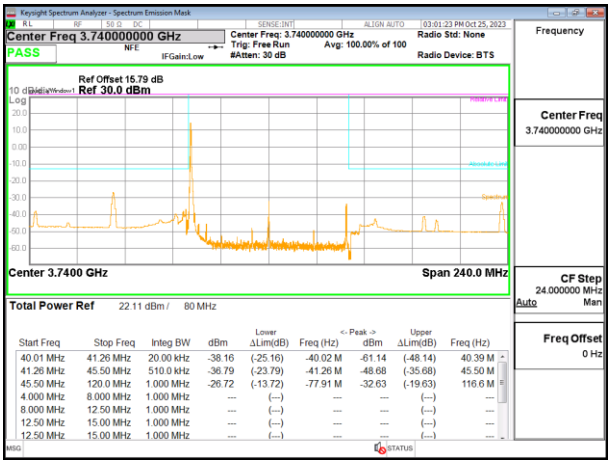
5G NR n77 70MHz QPSK High Channel RB1-188



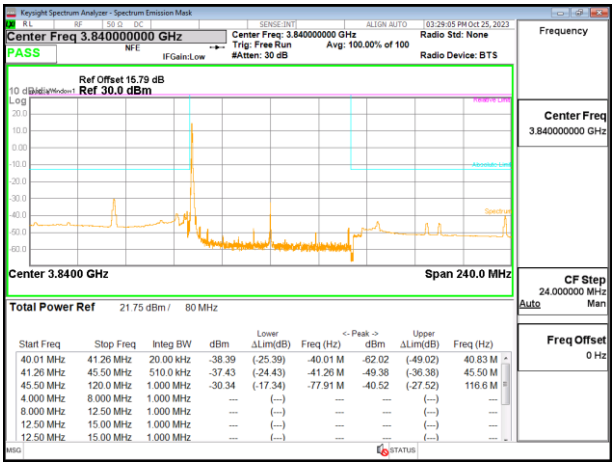
5G NR n77 70MHz QPSK Middle Channel RB180-0



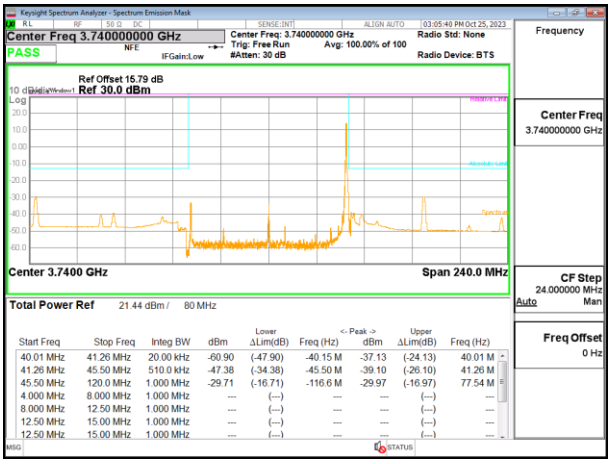
5G NR n77 70MHz QPSK High Channel RB180-0



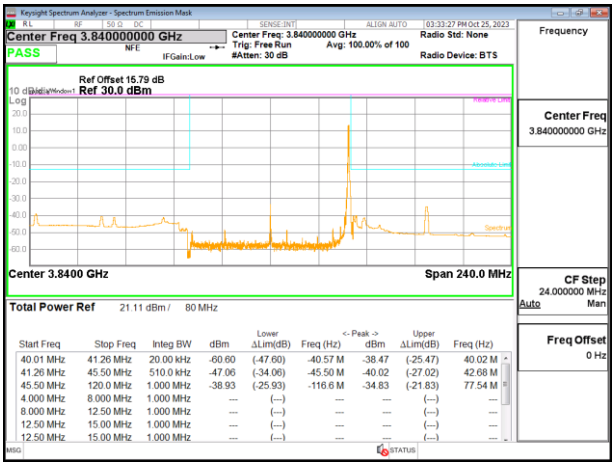
5G NR n77 80MHz QPSK Low Channel RB1-0



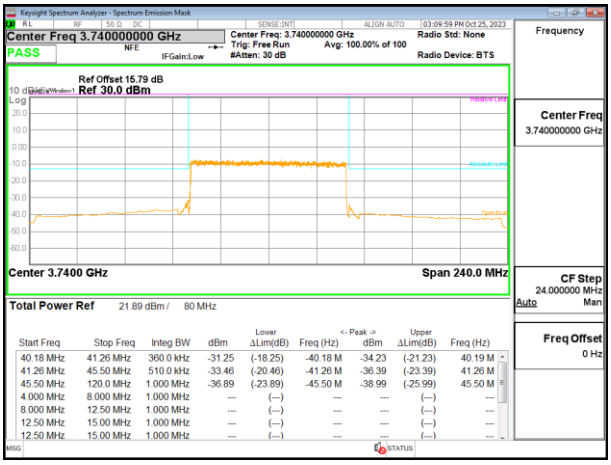
5G NR n77 80MHz QPSK Middle Channel RB1-0



5G NR n77 80MHz QPSK Low Channel RB1-216



5G NR n77 80MHz QPSK Middle Channel RB1-216



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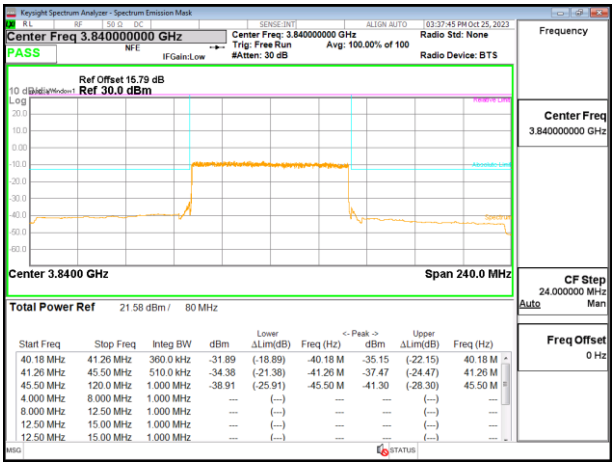

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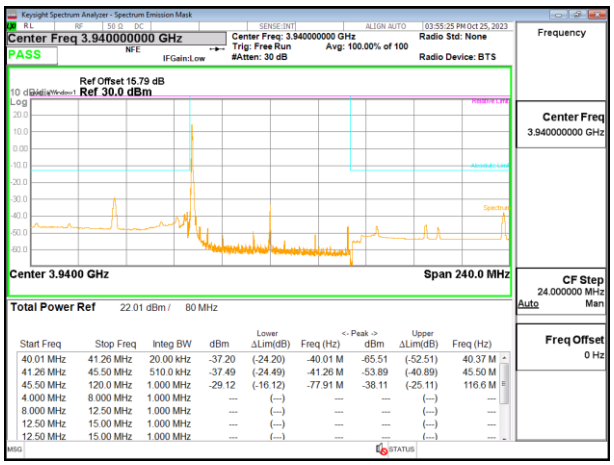
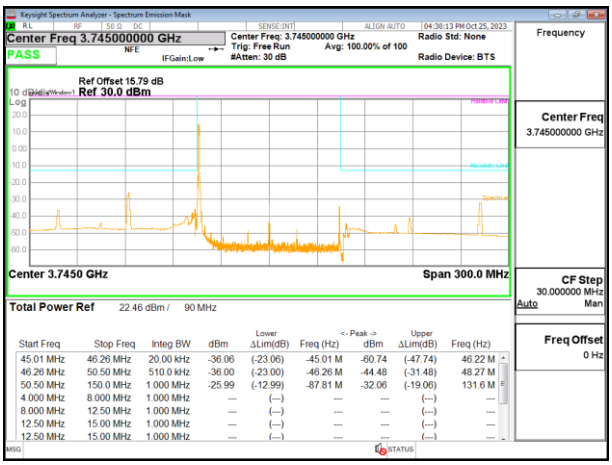
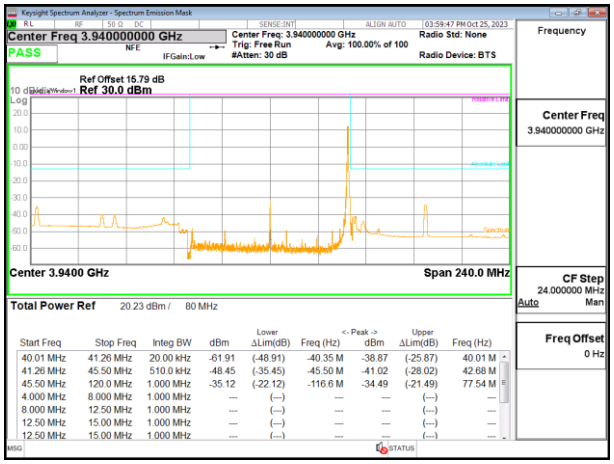


5G NR n77 80MHz QPSK High Channel RB1-0



5G NR n77 90MHz QPSK Low Channel RB1-0



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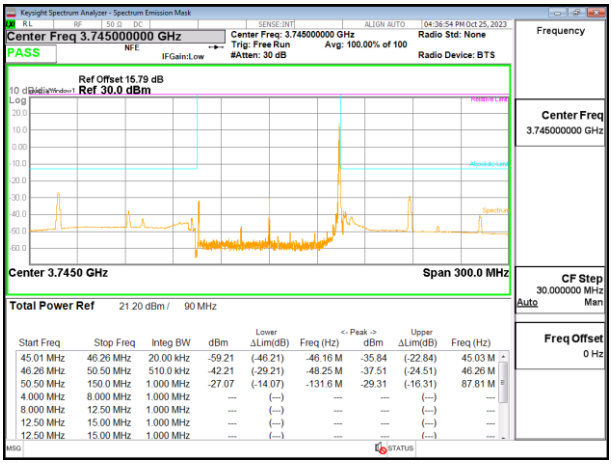
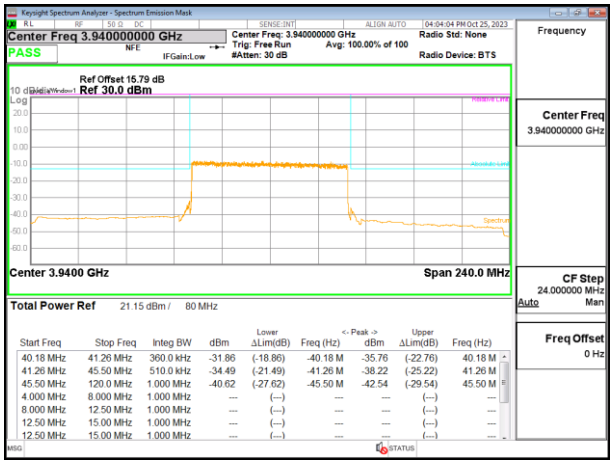
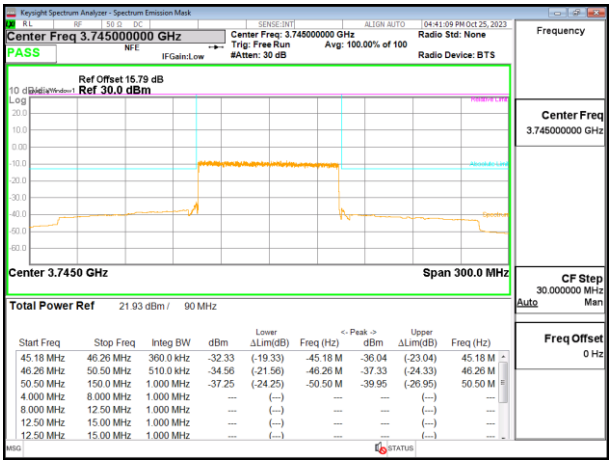


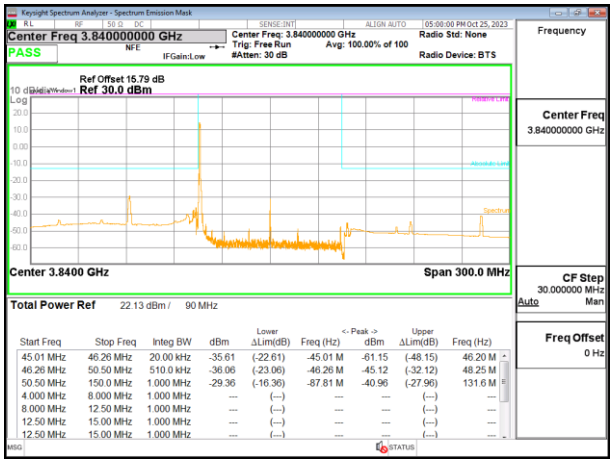
5G NR n77 90MHz QPSK Low Channel RB1-244



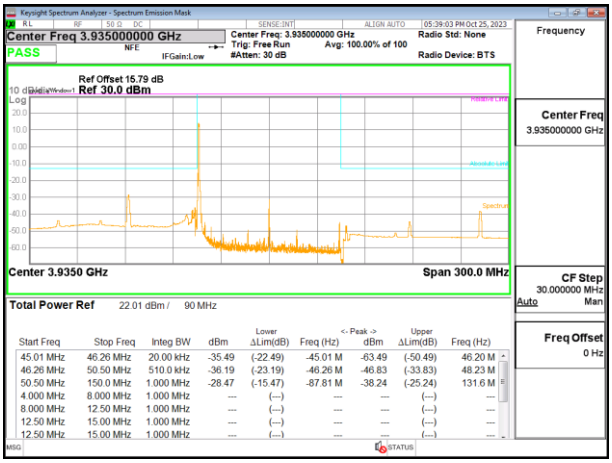
5G NR n77 80MHz QPSK High Channel RB216-0



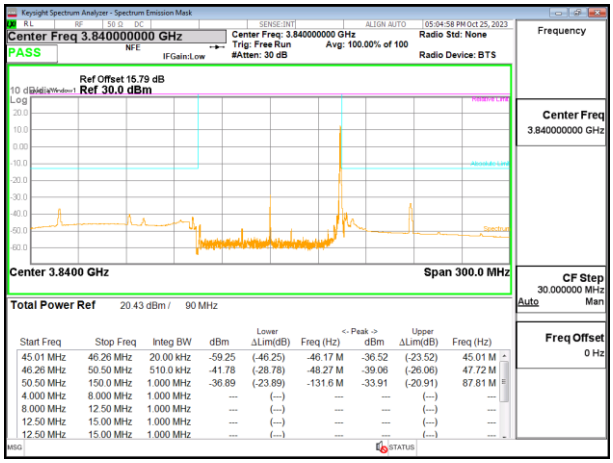
5G NR n77 90MHz QPSK Low Channel RB243-0



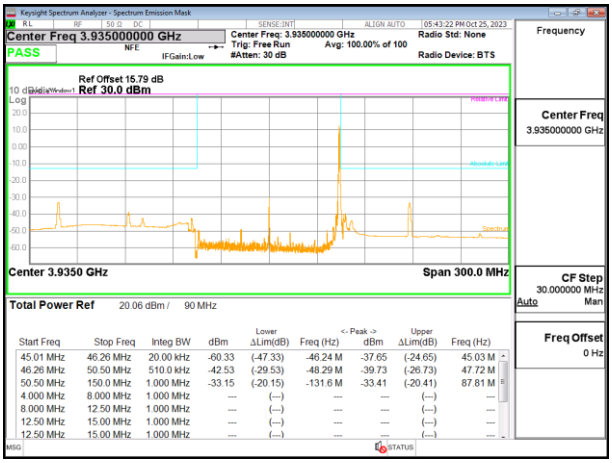
5G NR n77 90MHz QPSK Middle Channel RB1-0



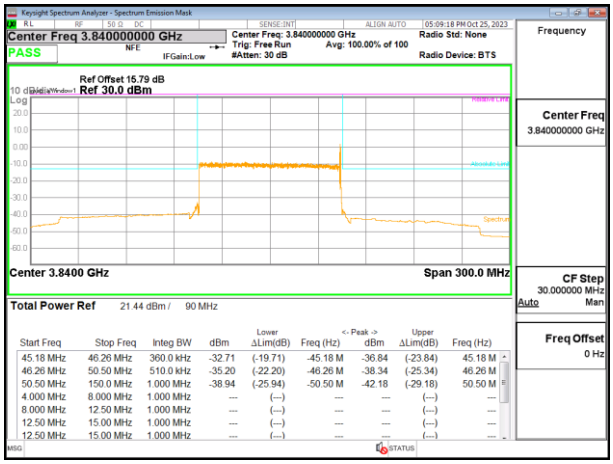
5G NR n77 90MHz QPSK High Channel RB1-0



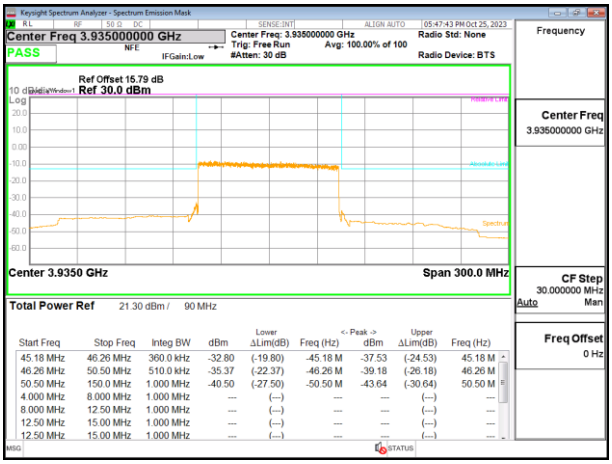
5G NR n77 90MHz QPSK Middle Channel RB1-244



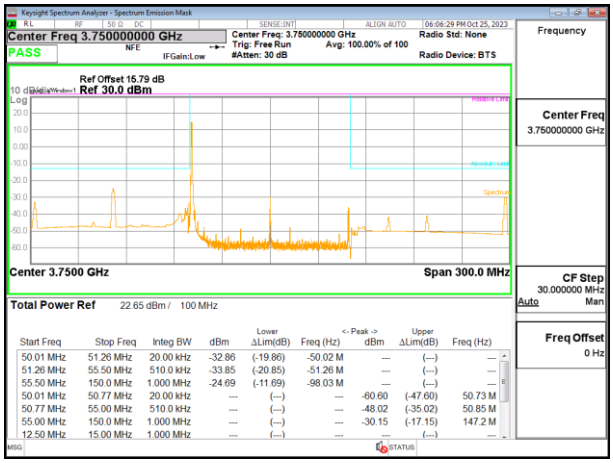
5G NR n77 90MHz QPSK High Channel RB1-244



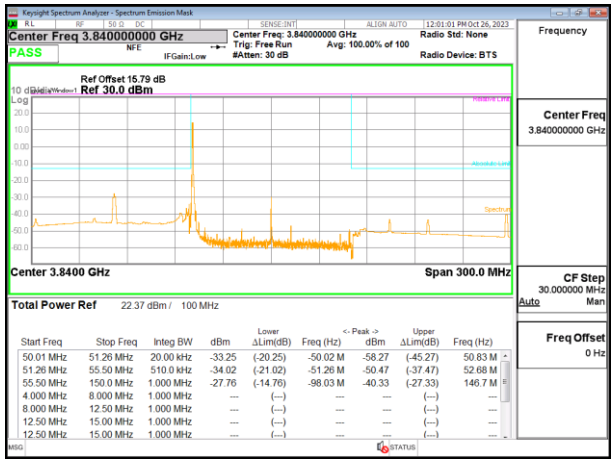
5G NR n77 90MHz QPSK Middle Channel RB243-0



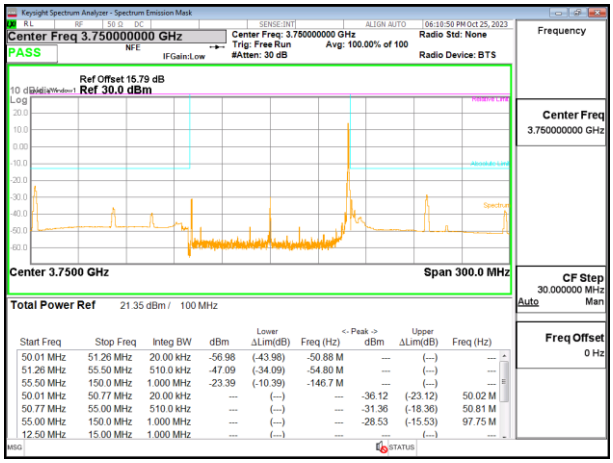
5G NR n77 90MHz QPSK High Channel RB243-0



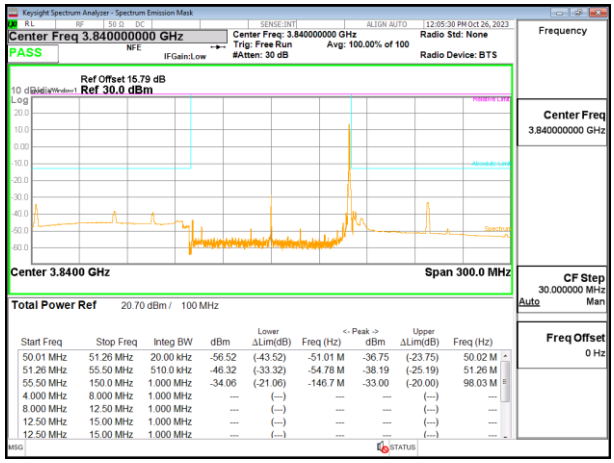
5G NR n77 100MHz QPSK Low Channel RB1-0



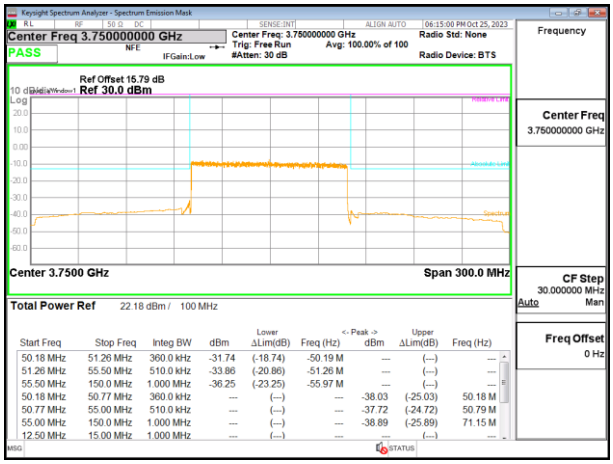
5G NR n77 100MHz QPSK Middle Channel RB1-0



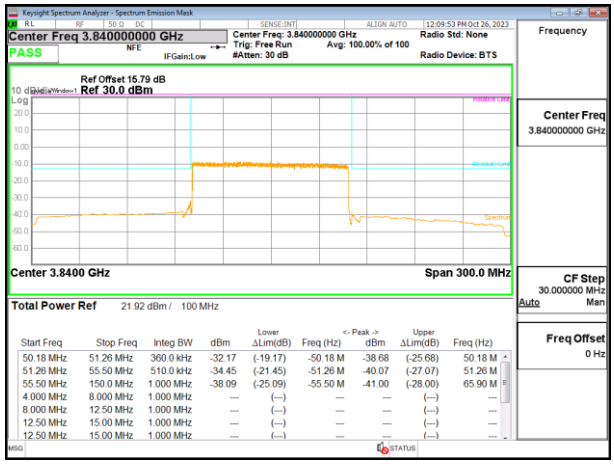
5G NR n77 100MHz QPSK Low Channel RB1-272



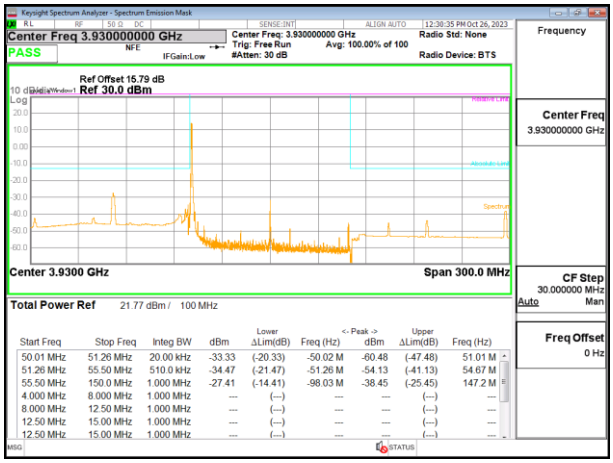
5G NR n77 100MHz QPSK Middle Channel RB1-272



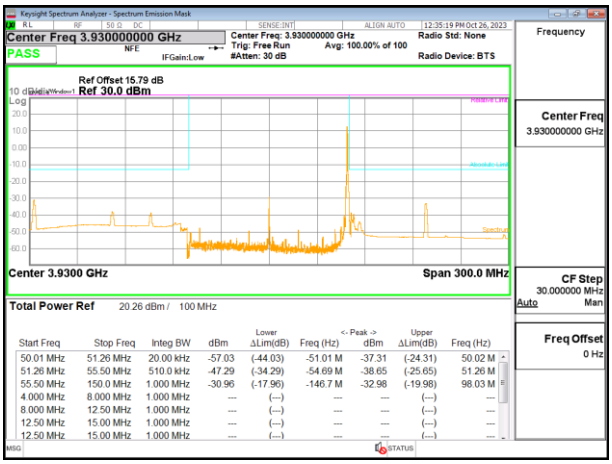
5G NR n77 100MHz QPSK Low Channel RB270-0



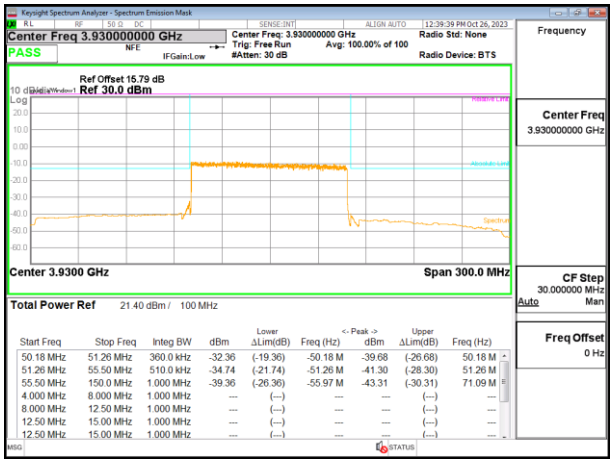
5G NR n77 100MHz QPSK Middle Channel RB270-0



5G NR n77 100MHz QPSK High Channel RB1-0



5G NR n77 100MHz QPSK High Channel RB1-272



5G NR n77 100MHz QPSK High Channel RB270-0

Intentionally Blank

9.2. 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)

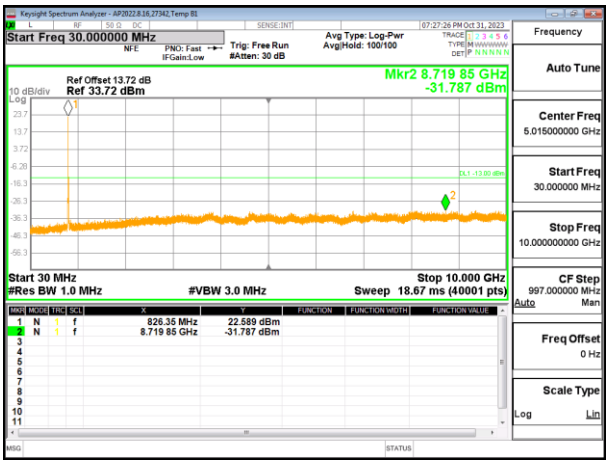
RESULTS

9.2.1. 5G NR n5 (FCC Part 22)

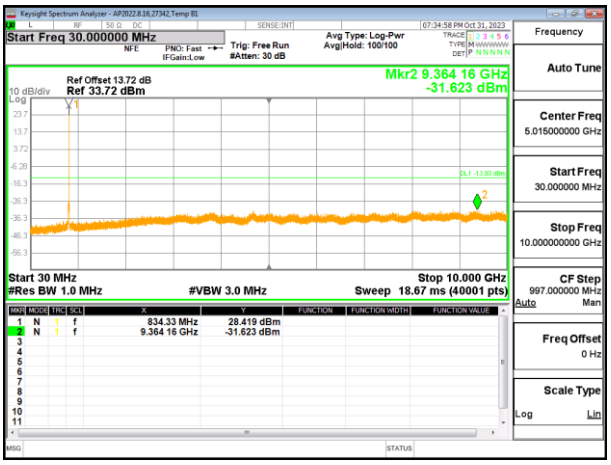
LIMITS

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.

5G NR n5

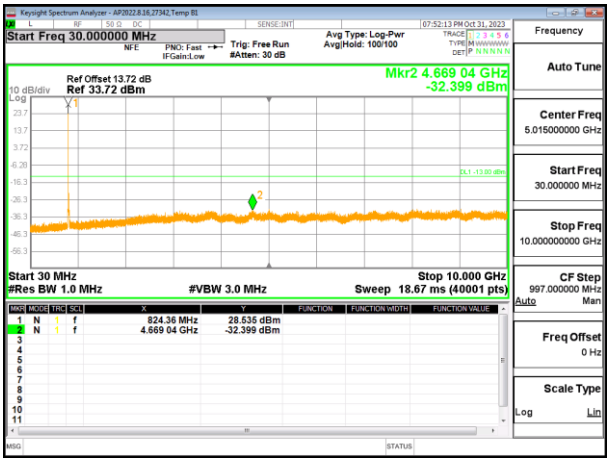


5G NR n5 5MHz QPSK Low Channel RB1-0



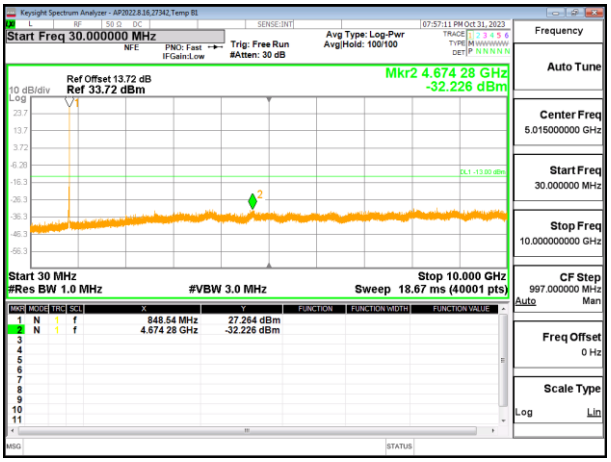
5G NR n5 5MHz QPSK Middle Channel RB1-1

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



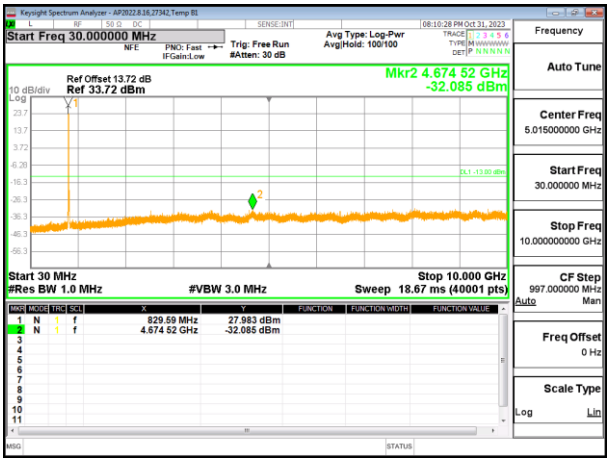
5G NR n5 10MHz QPSK Low Channel RB1-0

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

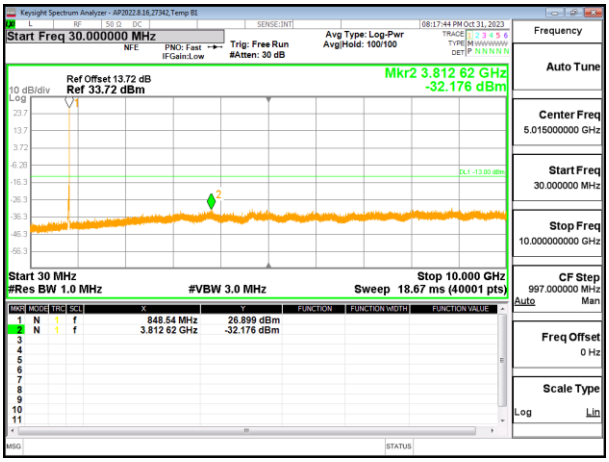


5G NR n5 10MHz QPSK High Channel RB1-51

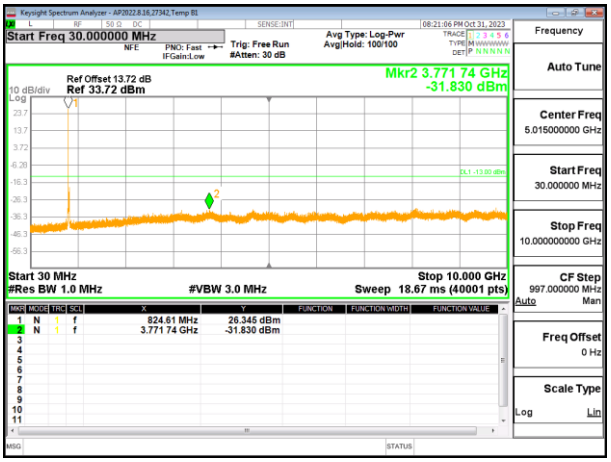
5G NR n5 15MHz QPSK Low Channel RB1-0



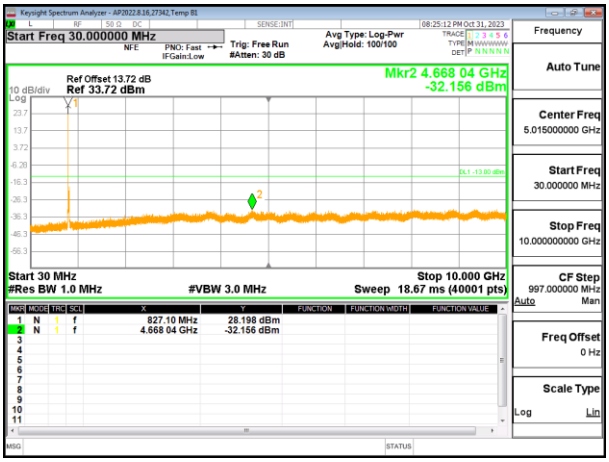
5G NR n5 15MHz QPSK Middle Channel RB1-1



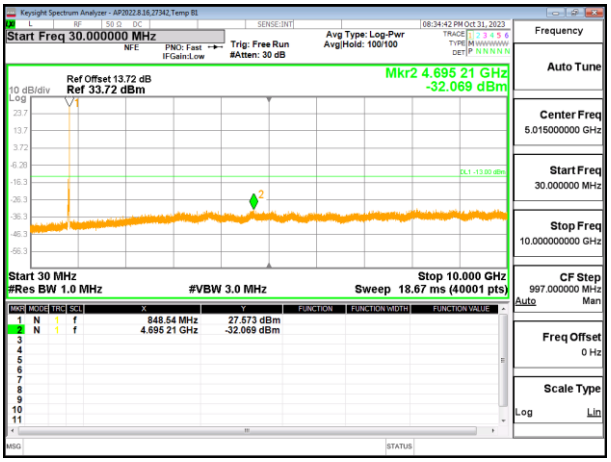
5G NR n5 15MHz QPSK High Channel RB1-78



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



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



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

9.2.2. 5G NR n26 (FCC PART 90S)

LIMITS

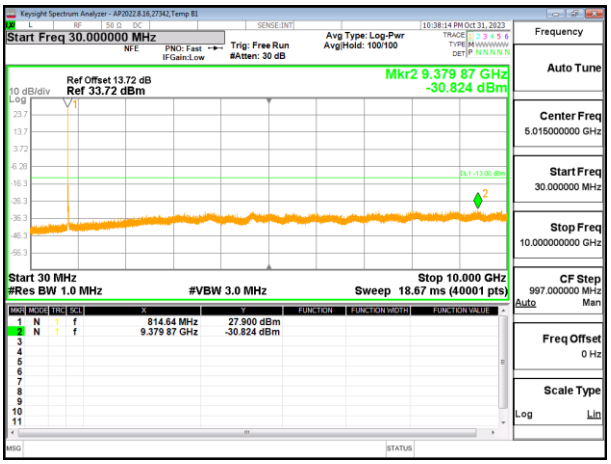
FCC: §90.691
The minimum permissible attenuation level of any spurious emissions is 43 + 10 log (P) dB where transmitting power (P) in Watts.

5G NR n26

5G NR n26 5MHz QPSK Low Channel RB1-0

5G NR n26 5MHz QPSK Middle Channel RB1-1

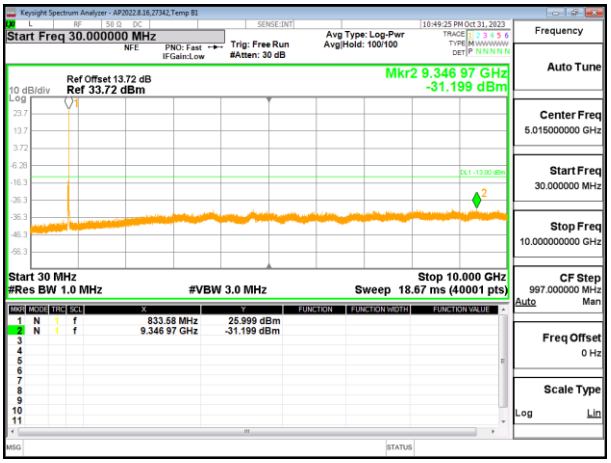
5G NR n26 5MHz QPSK High Channel RB1-24



5G NR n26 10MHz QPSK Middle Channel RB1-0

5G NR n26 15MHz QPSK Middle Channel RB1-1

5G NR n26 15MHz QPSK High Channel RB1-78



5G NR n26 20MHz QPSK High Channel RB1-78

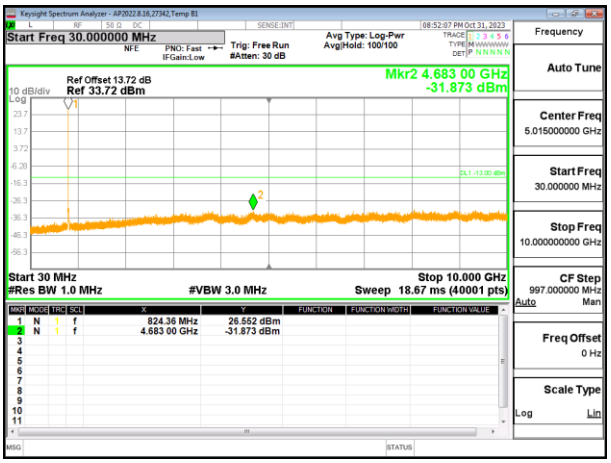
Blank

9.2.3. 5G NR n26 (FCC PART 22)

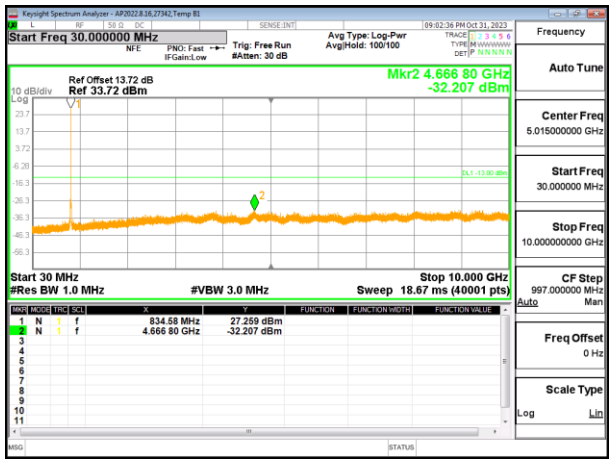
LIMITS

FCC: §22.917 (a)
The minimum permissible ate nuation level of any spurious emissions is 43 + 10 log (P) dB where transmitting power (P) in Watts.

5G NR n26

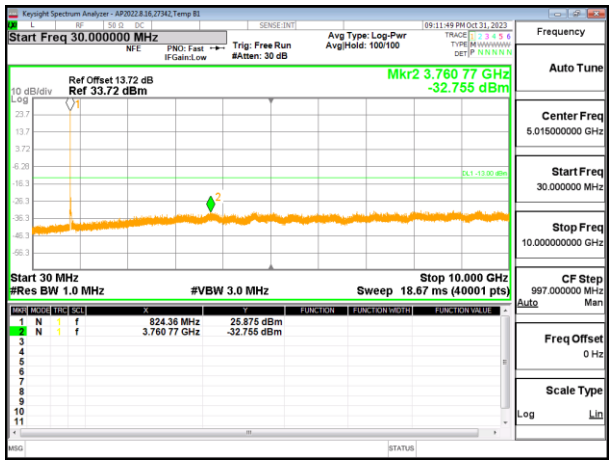


5G NR n26 5MHz QPSK Low Channel RB1-0

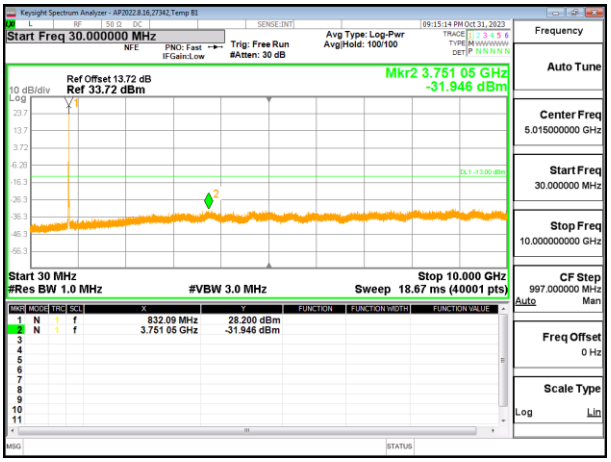


5G NR n26 10MHz QPSK Middle Channel RB1-1

5G NR n26 10MHz QPSK High Channel RB1-24

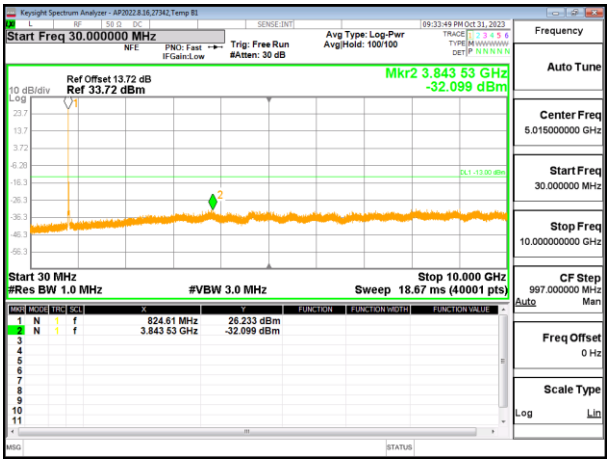


5G NR n26 10MHz QPSK Low Channel RB1-0

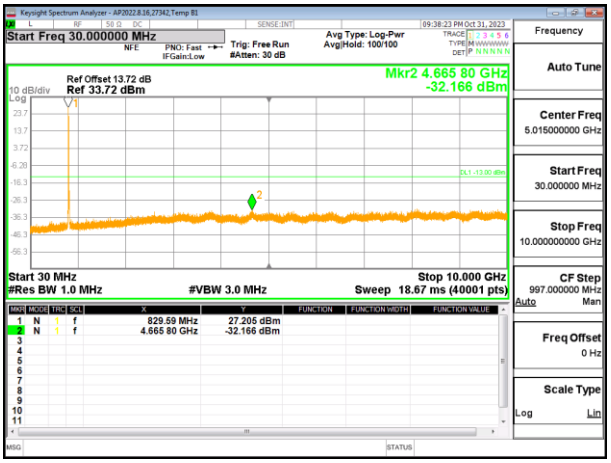


5G NR n26 10MHz QPSK Mid Channel RB1-1

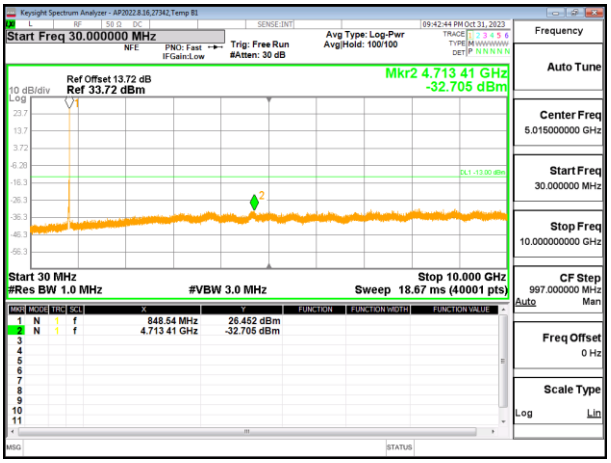
5G NR n26 10MHz QPSK High Channel RB1-51



5G NR n26 15MHz QPSK Low Channel RB1-0

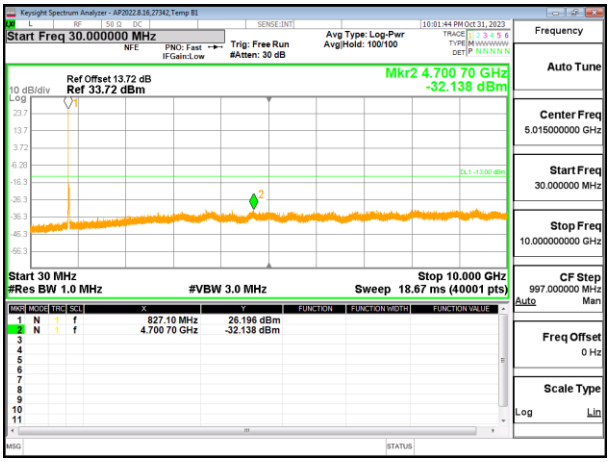


5G NR n26 15MHz QPSK Mid Channel RB1-1



5G NR n26 15MHz QPSK High Channel RB1-78

5G NR n26 20MHz QPSK Low Channel RB1-0



5G NR n26 20MHz QPSK Mid Channel RB1-1

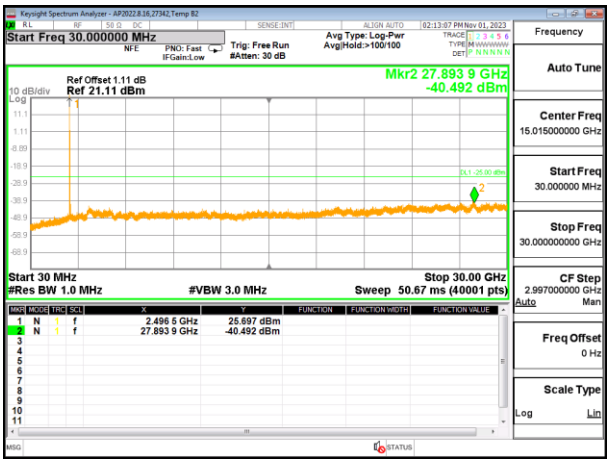
5G NR n26 20MHz QPSK High Channel RB1-105

9.2.4. 5G NR n41 (FCC Part 27)

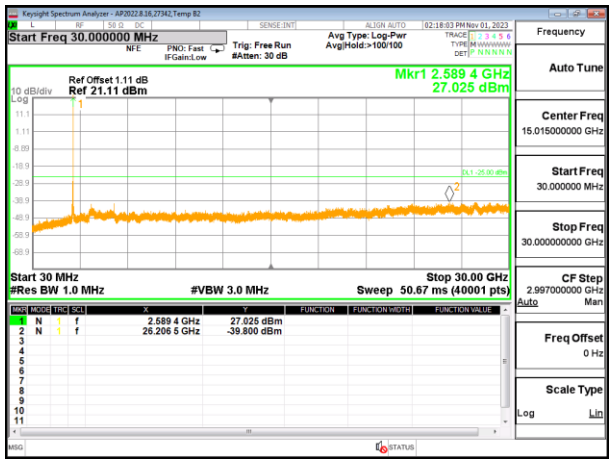
LIMITS

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.

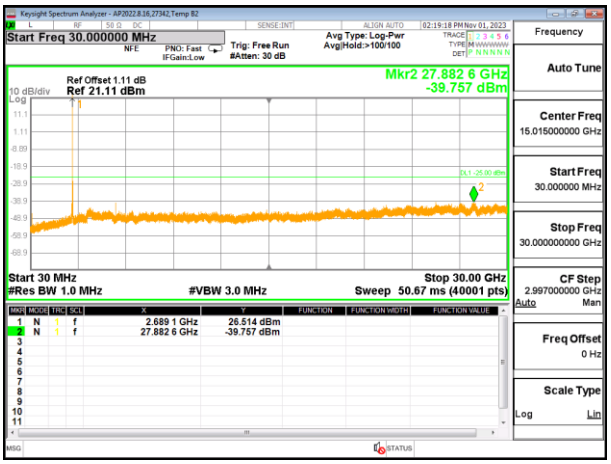
5G NR n41



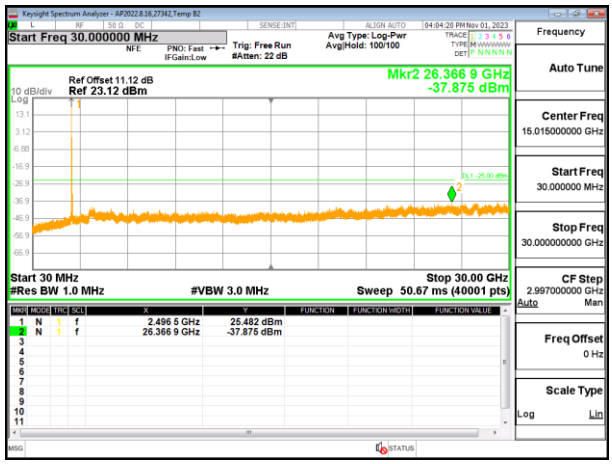
5G NR n41 10MHz QPSK Low Channel RB1-0



5G NR n41 10MHz QPSK Middle Channel RB1-1



5G NR n41 10MHz QPSK High Channel RB1-23



5G NR n41 15MHz QPSK Low Channel RB1-0