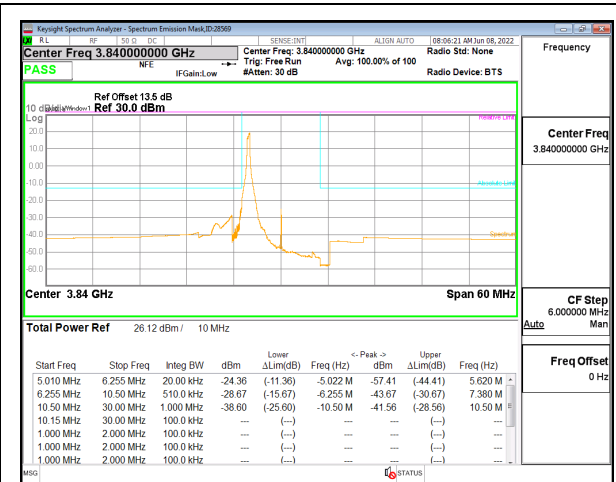
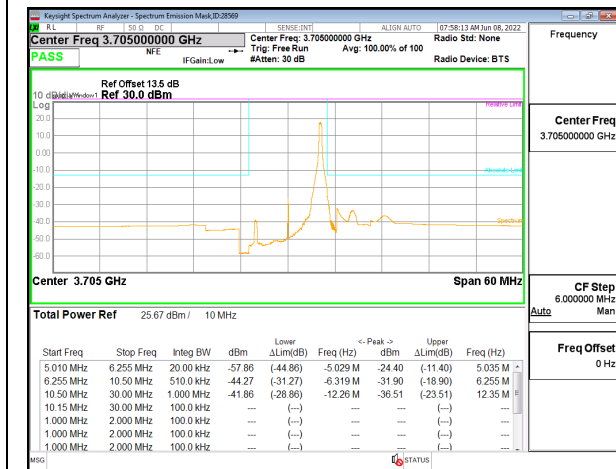


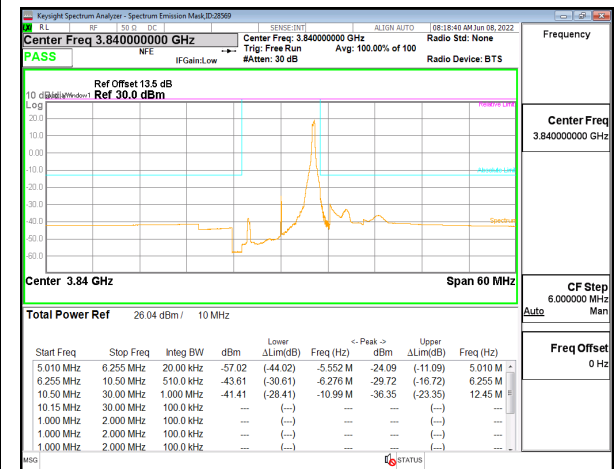
5G NR n77 10MHz BPSK Low Channel RB1-0



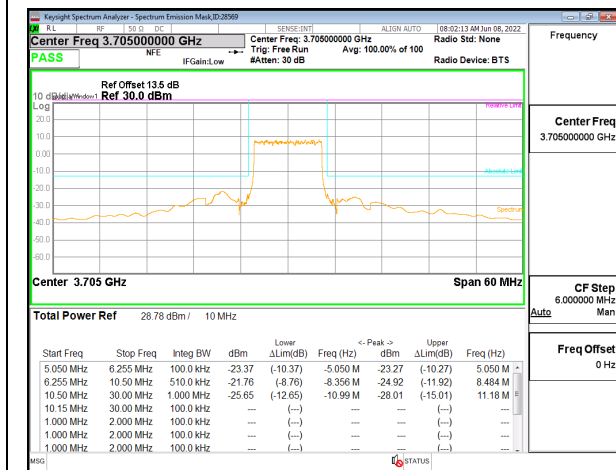
5G NR n77 10MHz BPSK Middle Channel RB1-0



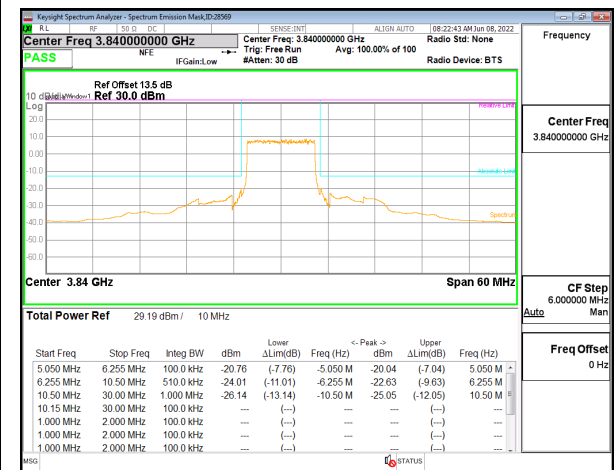
5G NR n77 10MHz BPSK Low Channel RB1-23



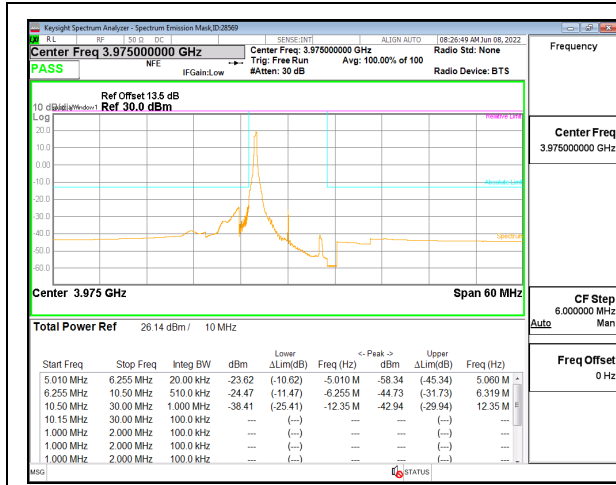
5G NR n77 10MHz BPSK Middle Channel RB1-23



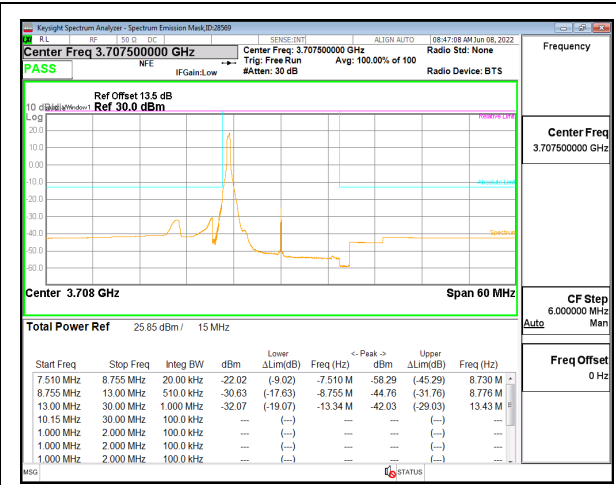
5G NR n77 10MHz BPSK Low Channel RB24-0



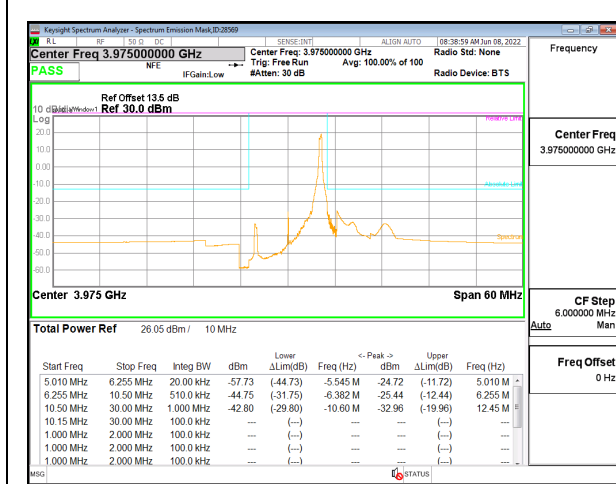
5G NR n77 10MHz BPSK Middle Channel RB24-0



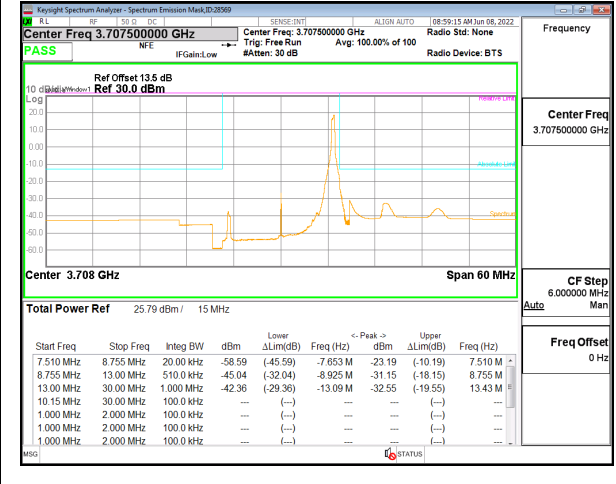
5G NR n77 10MHz BPSK High Channel RB1-0



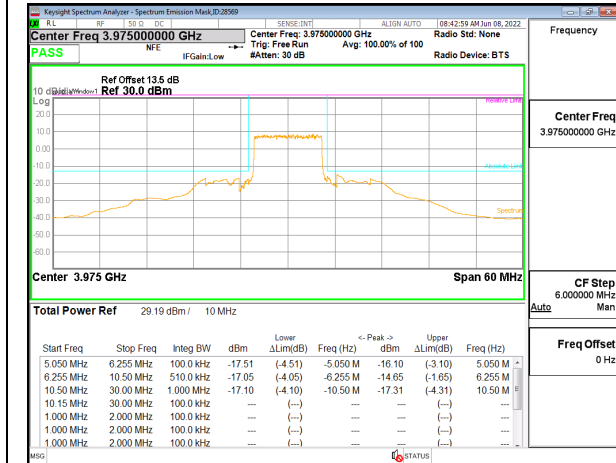
5G NR n77 15MHz BPSK Low Channel RB1-0



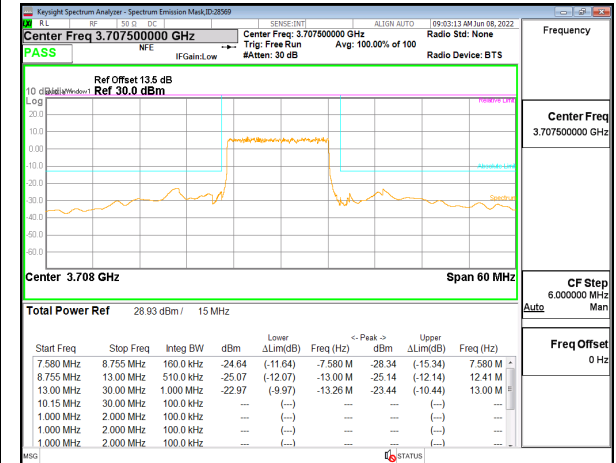
5G NR n77 10MHz BPSK High Channel RB1-23



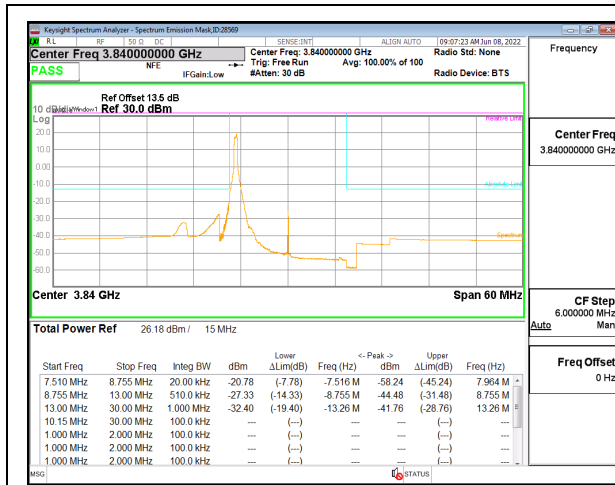
5G NR n77 15MHz BPSK Low Channel RB1-37



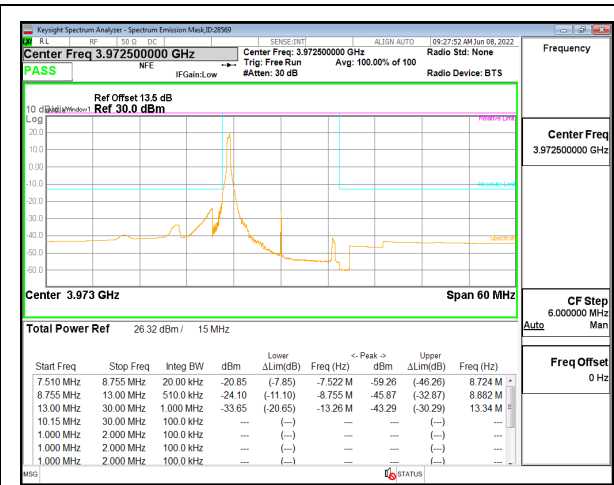
5G NR n77 10MHz BPSK High Channel RB24-0



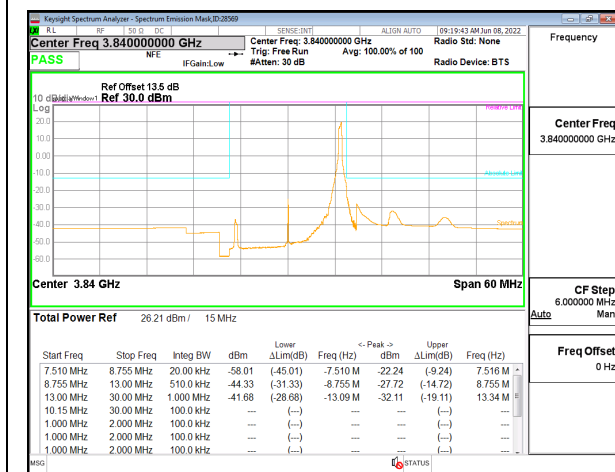
5G NR n77 15MHz BPSK Low Channel RB36-0



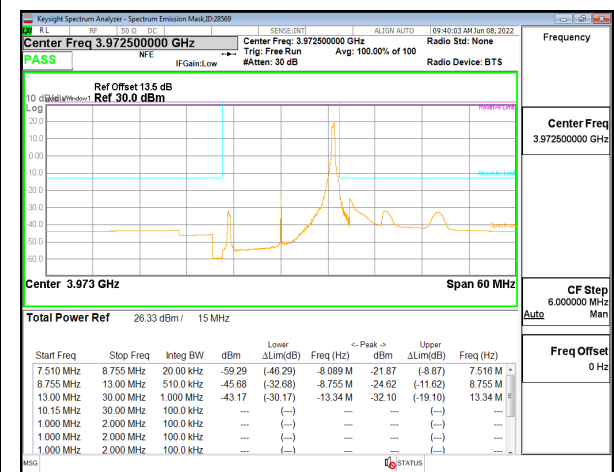
5G NR n77 15MHz BPSK Middle Channel RB1-0



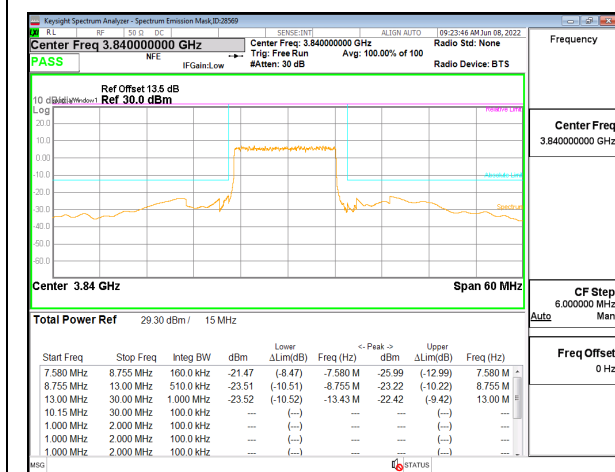
5G NR n77 15MHz BPSK High Channel RB1-0



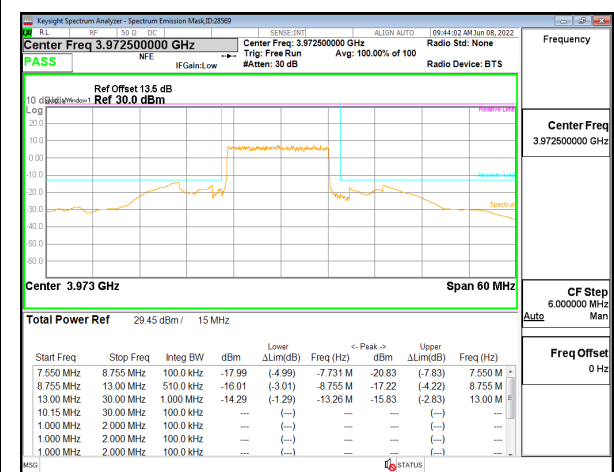
5G NR n77 15MHz BPSK Middle Channel RB1-37



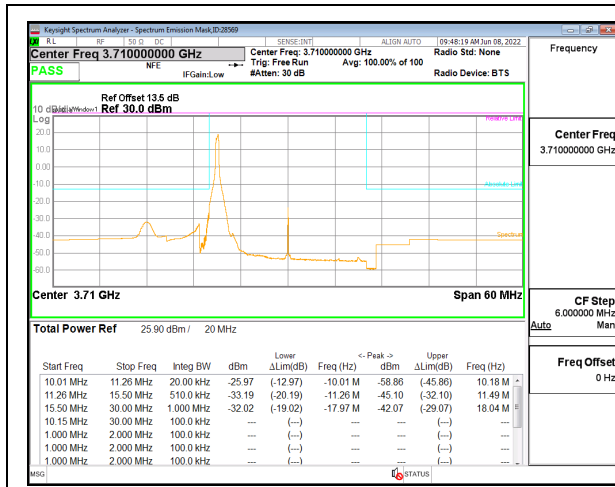
5G NR n77 15MHz BPSK High Channel RB1-37



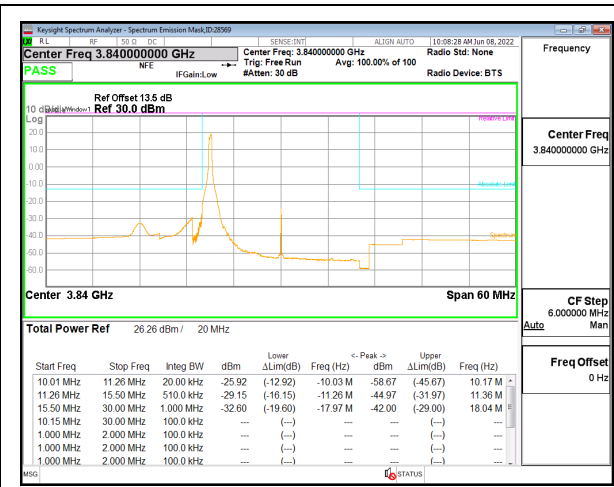
5G NR n77 15MHz BPSK Middle Channel RB36-0



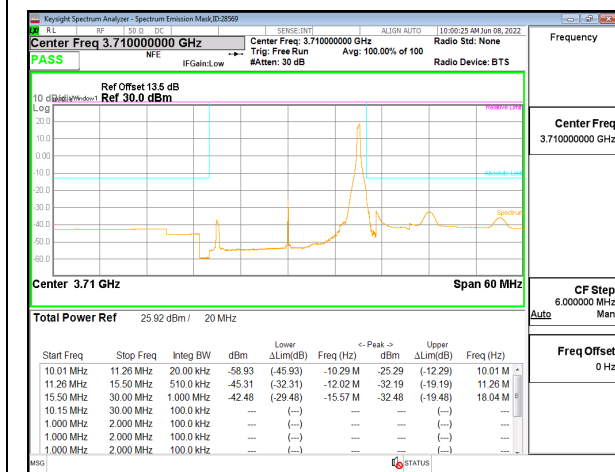
5G NR n77 15MHz BPSK High Channel RB36-0



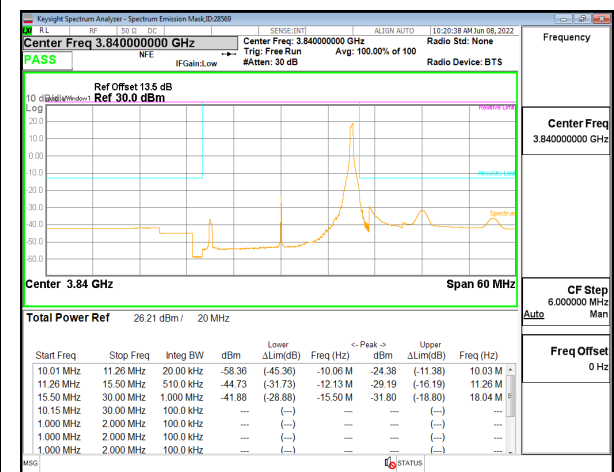
5G NR n77 20MHz BPSK Low Channel RB1-0



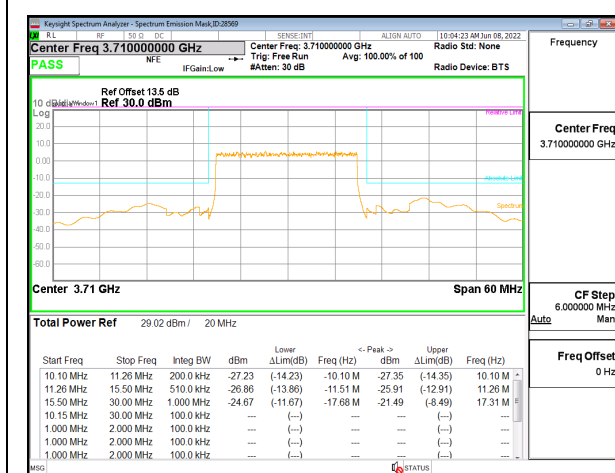
5G NR n77 20MHz BPSK Middle Channel RB1-0



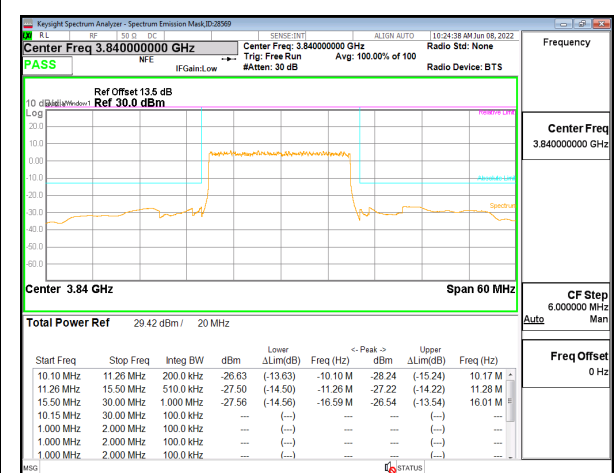
5G NR n77 20MHz BPSK Low Channel RB1-50



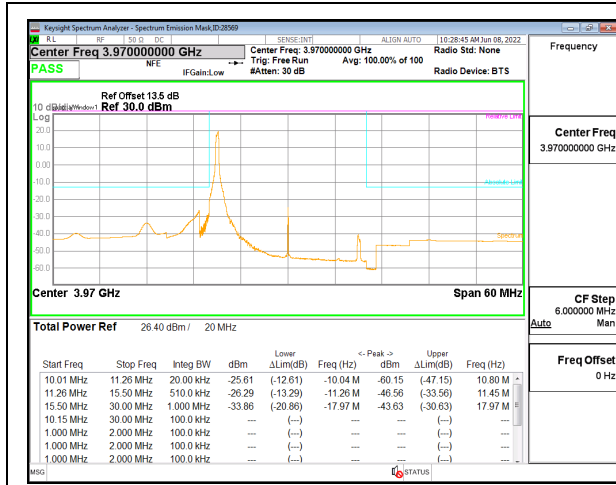
5G NR n77 20MHz BPSK Middle Channel RB1-50



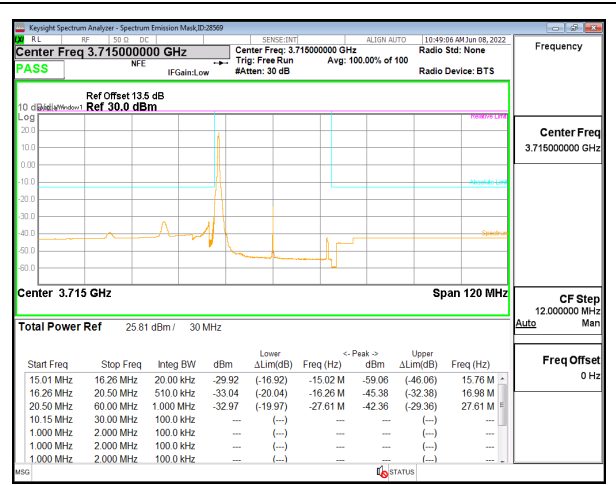
5G NR n77 20MHz BPSK Low Channel RB50-0



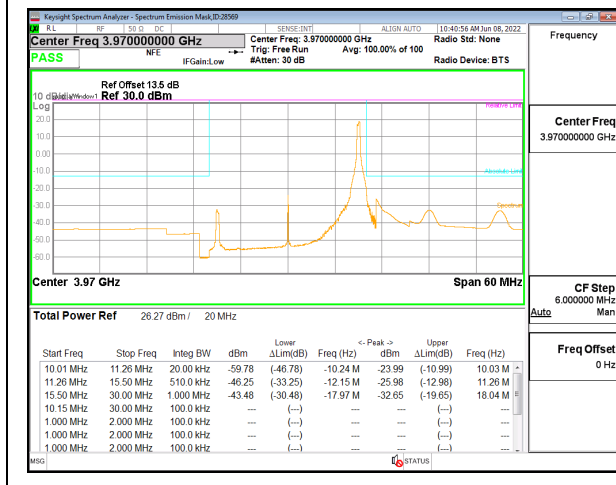
5G NR n77 20MHz BPSK Middle Channel RB50-0



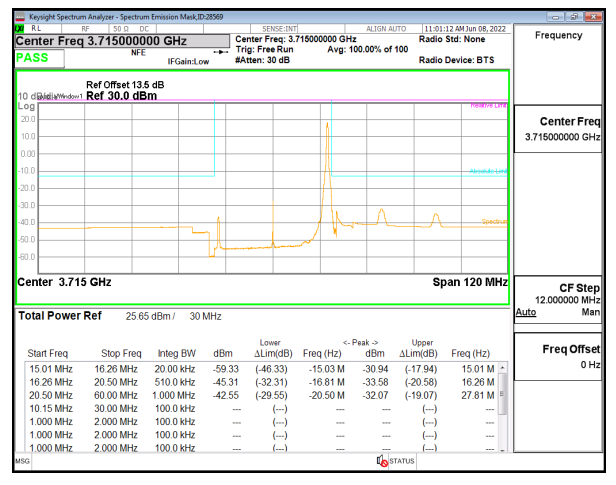
5G NR n77 20MHz BPSK High Channel RB1-0



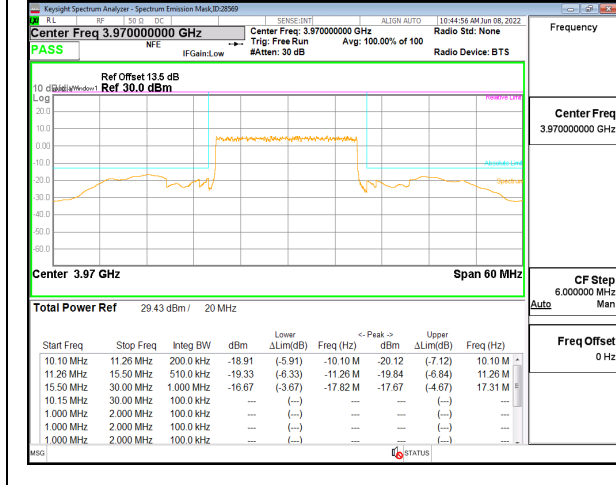
5G NR n77 30MHz BPSK Low Channel RB1-0



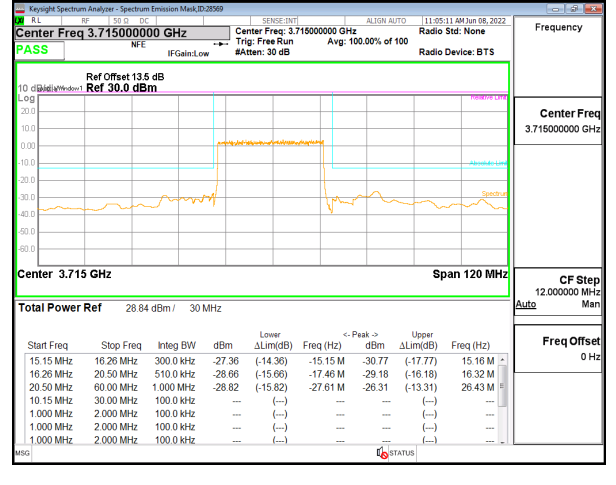
5G NR n77 20MHz BPSK High Channel RB1-50



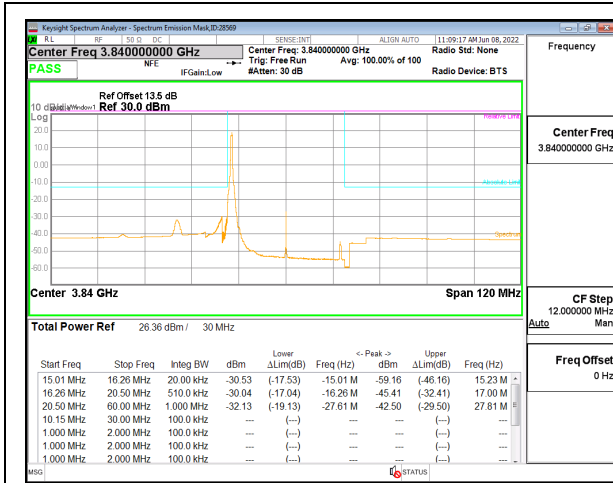
5G NR n77 30MHz BPSK Low Channel RB1-77



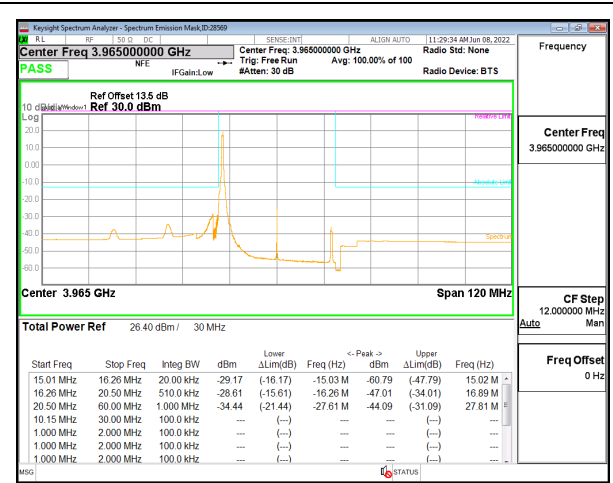
5G NR n77 20MHz BPSK High Channel RB50-0



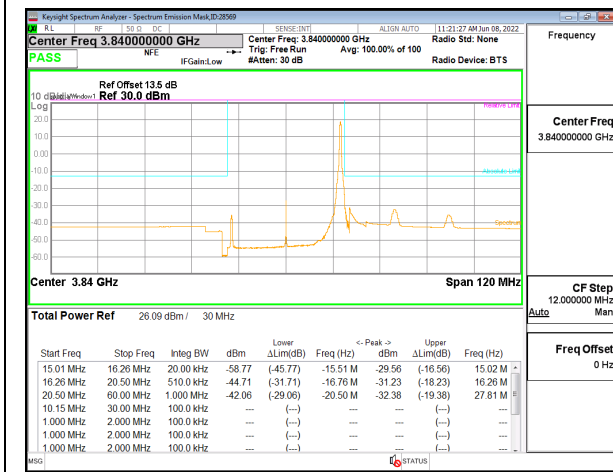
5G NR n77 30MHz BPSK Low Channel RB75-0



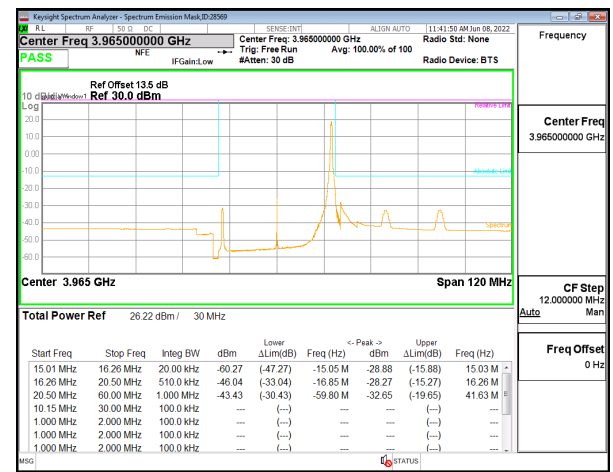
5G NR n77 30MHz BPSK Middle Channel RB1-0



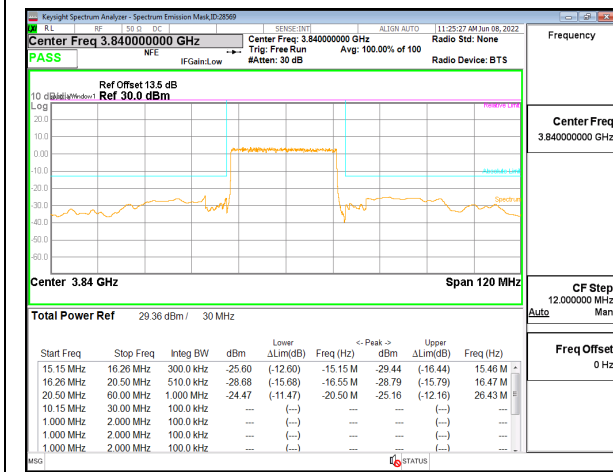
5G NR n77 30MHz BPSK High Channel RB1-0



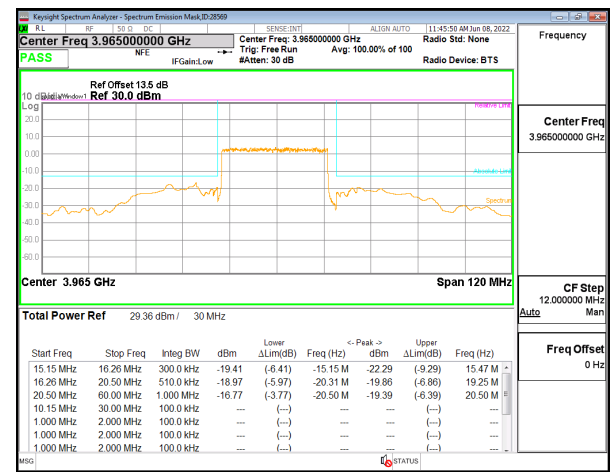
5G NR n77 30MHz BPSK Middle Channel RB1-77



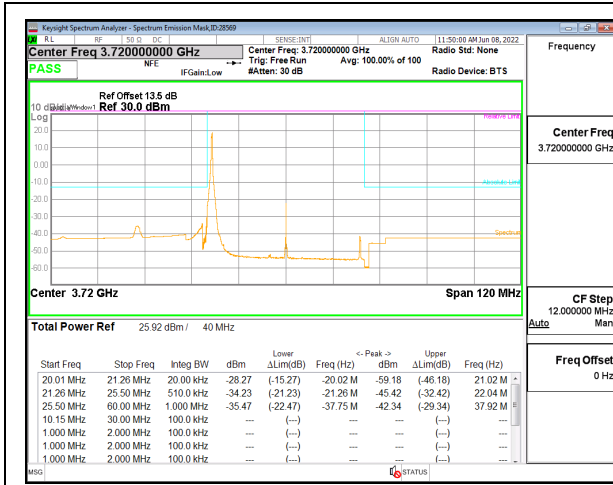
5G NR n77 30MHz BPSK High Channel RB1-77



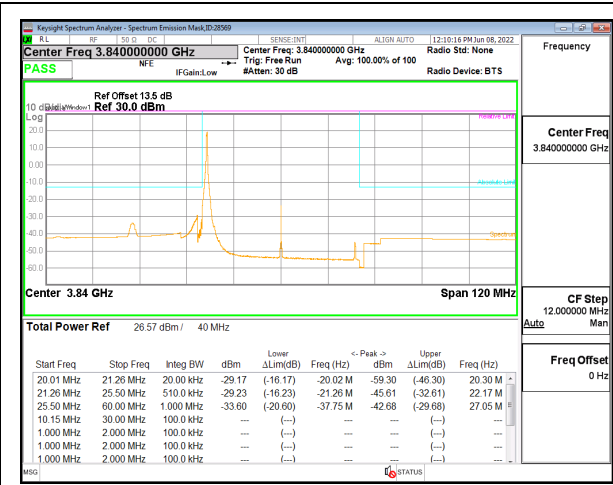
5G NR n77 30MHz BPSK Middle Channel RB75-0



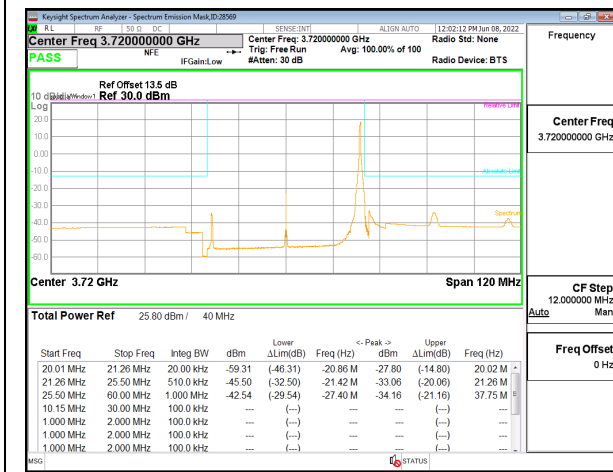
5G NR n77 30MHz BPSK High Channel RB75-0



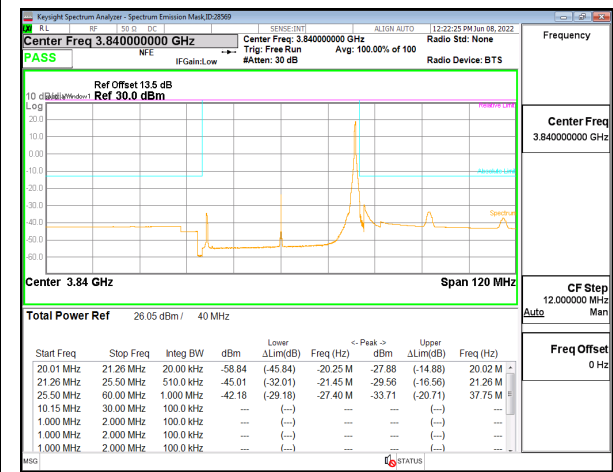
5G NR n77 40MHz BPSK Low Channel RB1-0



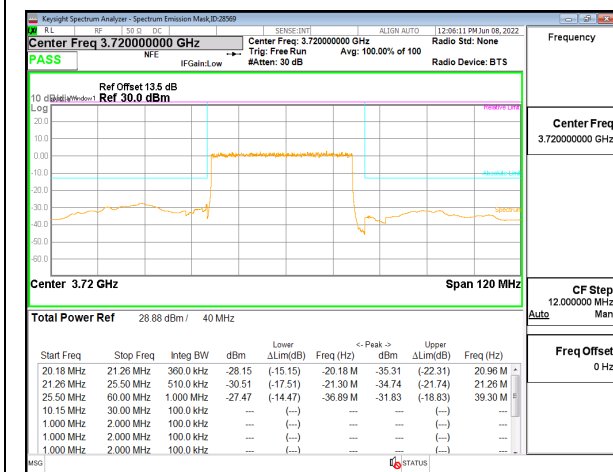
5G NR n77 40MHz BPSK Middle Channel RB1-0



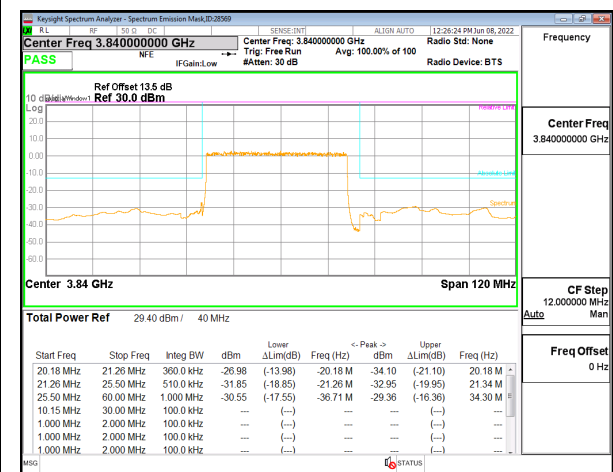
5G NR n77 40MHz BPSK Low Channel RB1-105



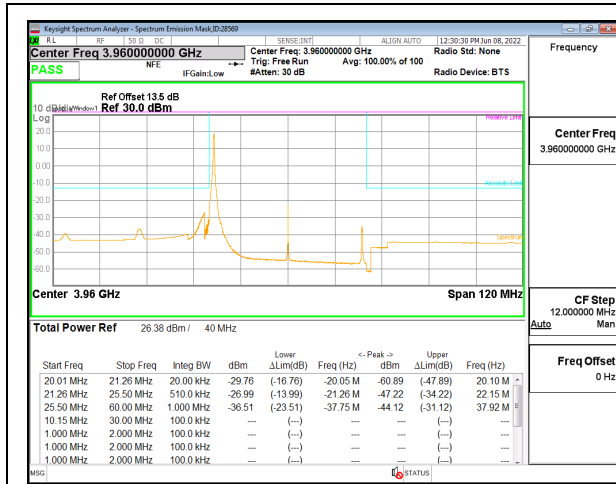
5G NR n77 40MHz BPSK Middle Channel RB1-105



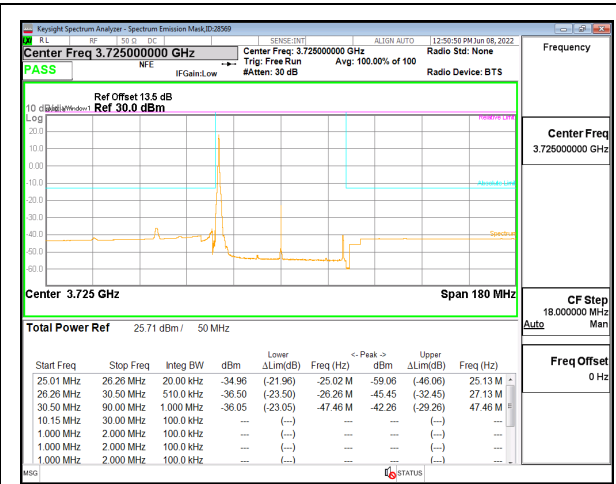
5G NR n77 40MHz BPSK Low Channel RB100-0



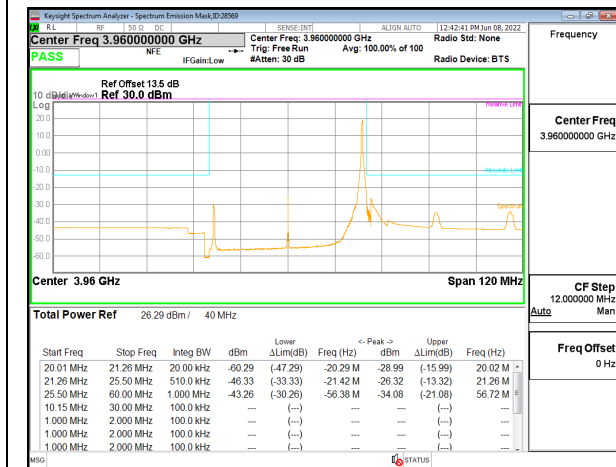
5G NR n77 40MHz BPSK Middle Channel RB100-0



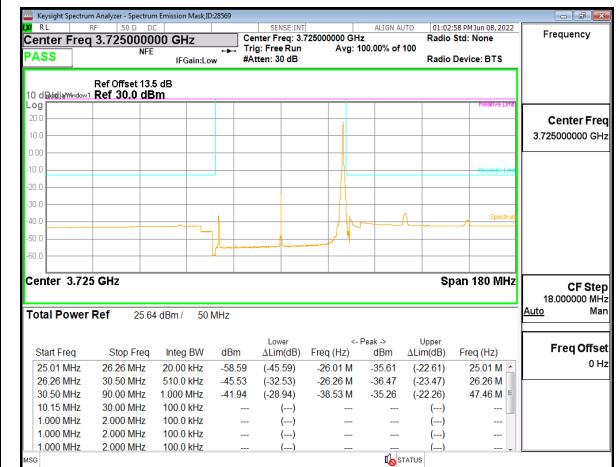
5G NR n77 40MHz BPSK High Channel RB1-0



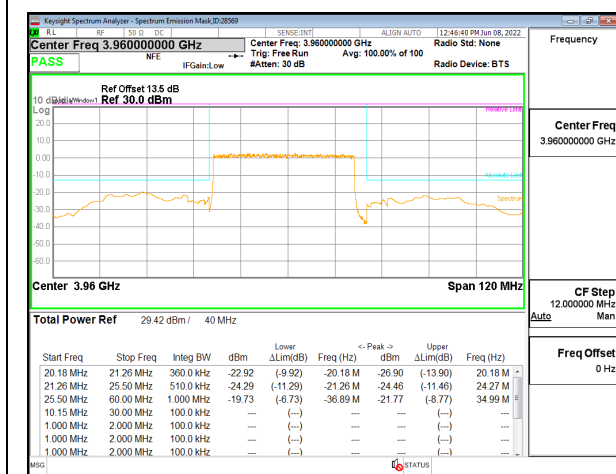
5G NR n77 50MHz BPSK Low Channel RB1-0



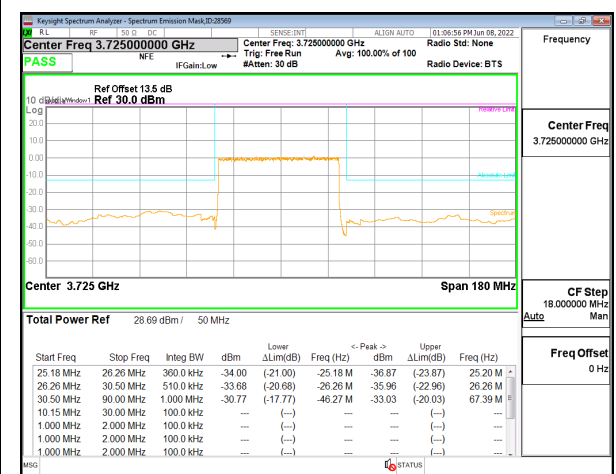
5G NR n77 40MHz BPSK High Channel RB1-105



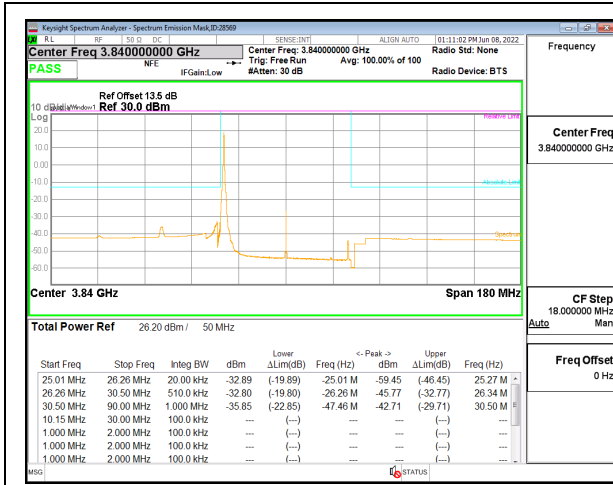
5G NR n77 50MHz BPSK Low Channel RB1-132



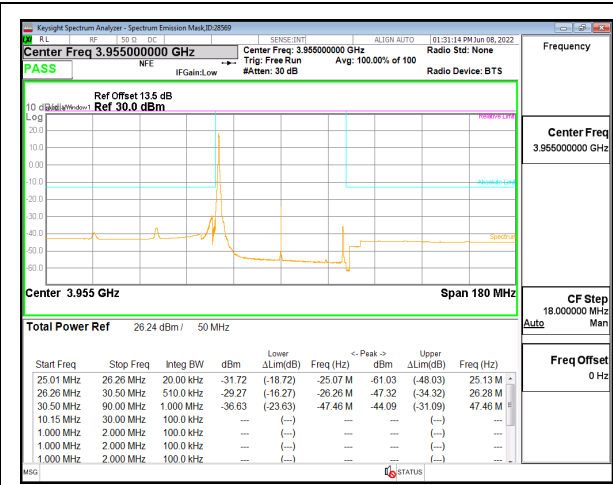
5G NR n77 40MHz BPSK High Channel RB100-0



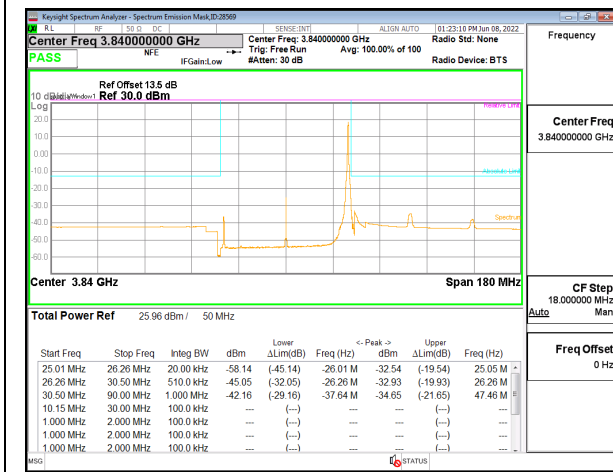
5G NR n77 50MHz BPSK Low Channel RB128-0



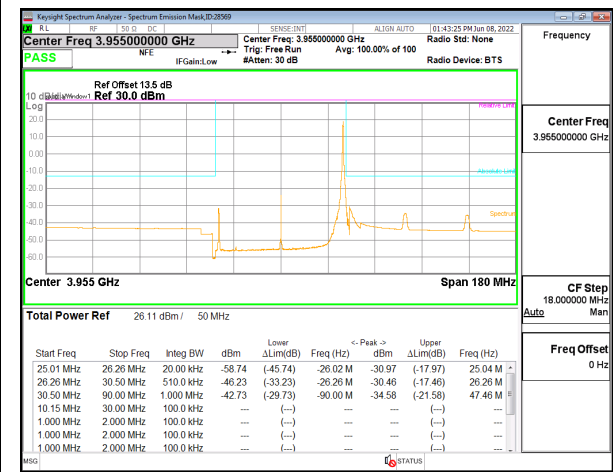
5G NR n77 50MHz BPSK Middle Channel RB1-0



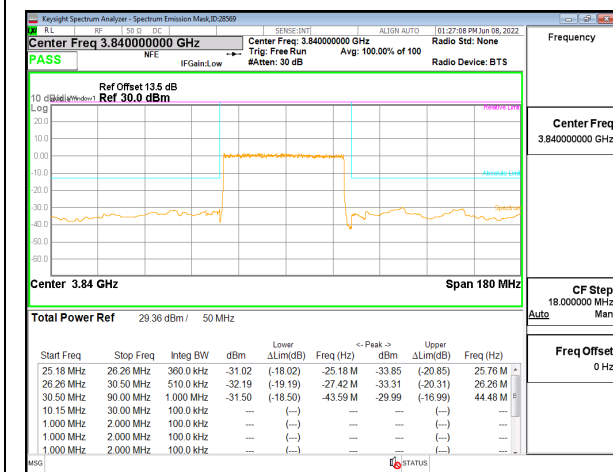
5G NR n77 50MHz BPSK High Channel RB1-0



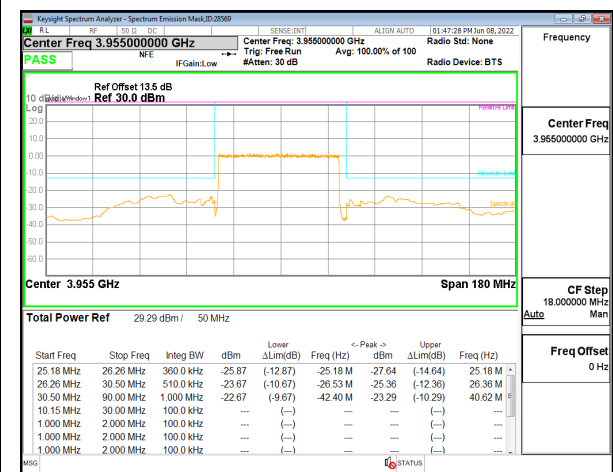
5G NR n77 50MHz BPSK Middle Channel RB1-132



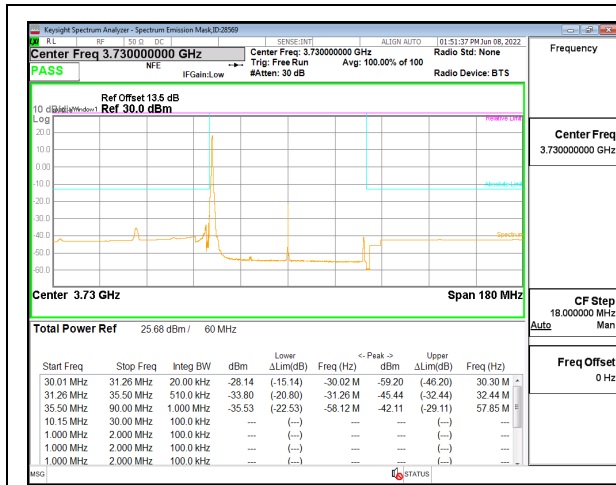
5G NR n77 50MHz BPSK High Channel RB1-132



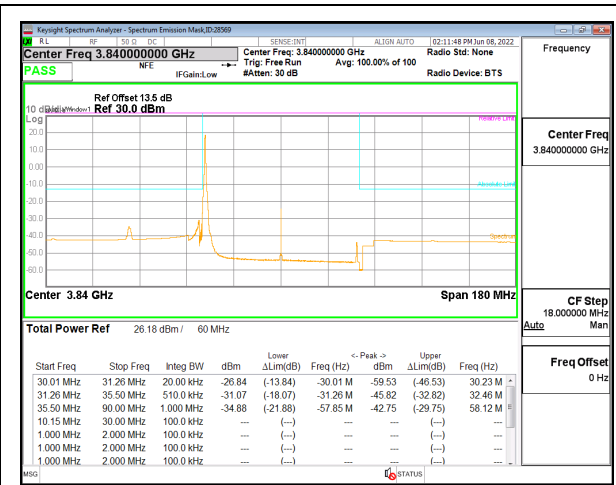
5G NR n77 50MHz BPSK Middle Channel RB128-0



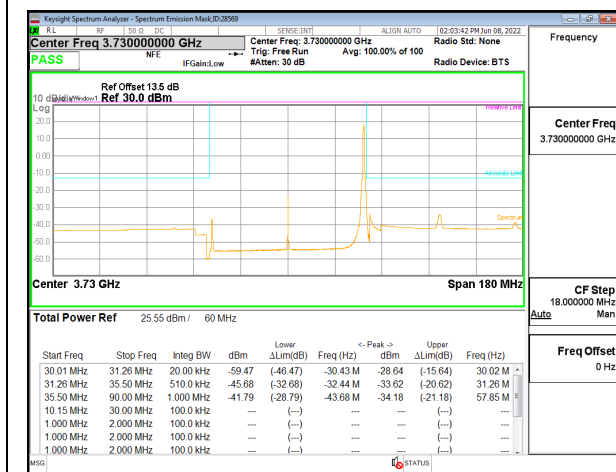
5G NR n77 50MHz BPSK High Channel RB128-0



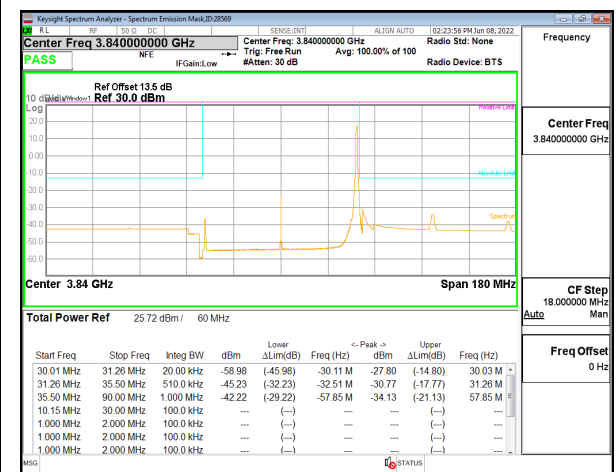
5G NR n77 60MHz BPSK Low Channel RB1-0



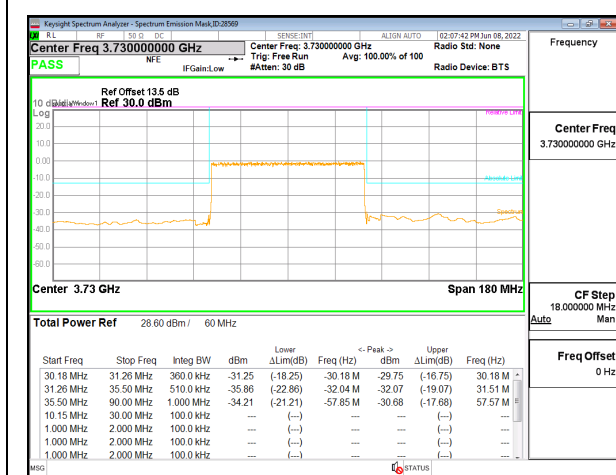
5G NR n77 60MHz BPSK Middle Channel RB1-0



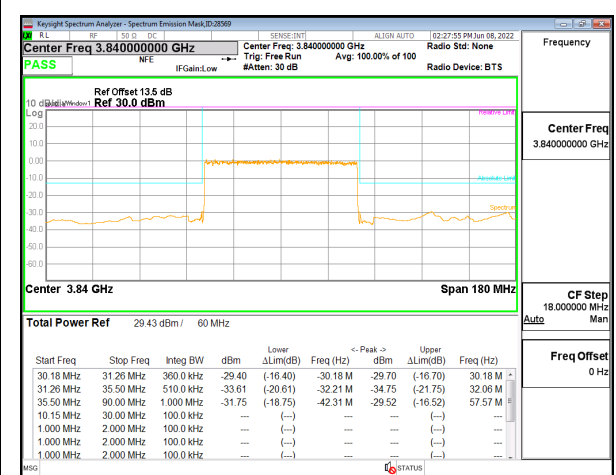
5G NR n77 60MHz BPSK Low Channel RB1-161



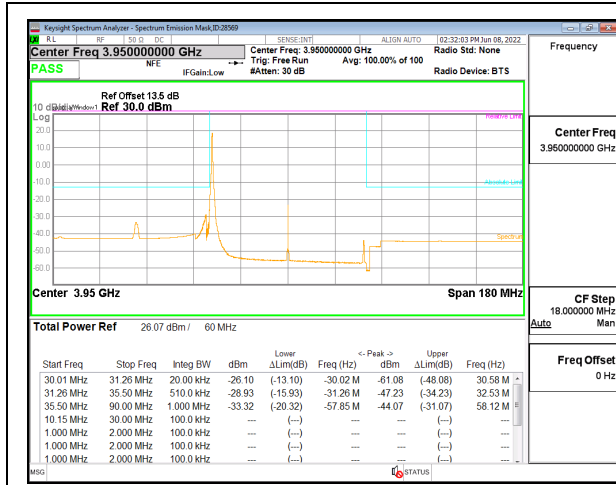
5G NR n77 60MHz BPSK Middle Channel RB1-161



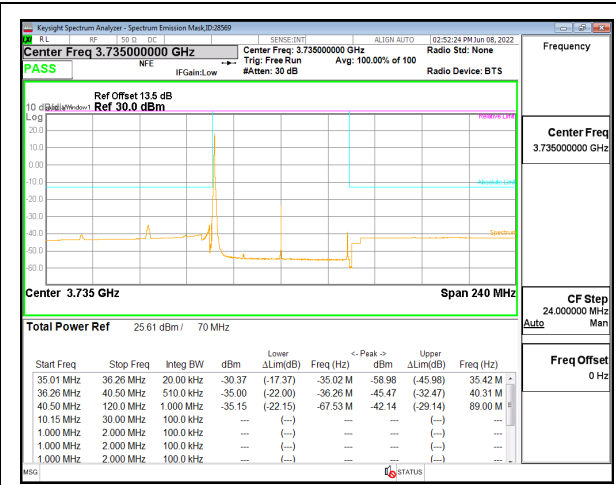
5G NR n77 60MHz BPSK Low Channel RB162-0



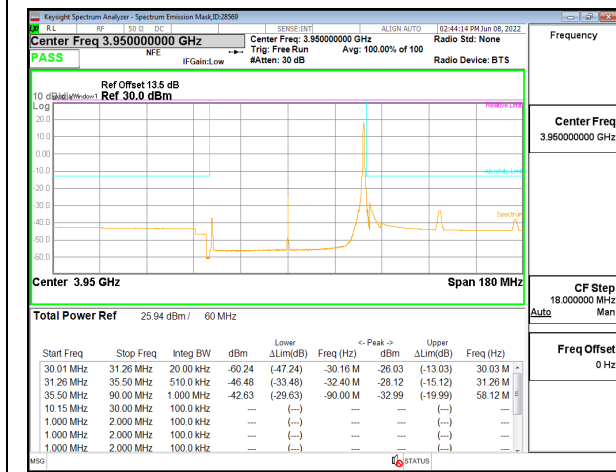
5G NR n77 60MHz BPSK Middle Channel RB162-0



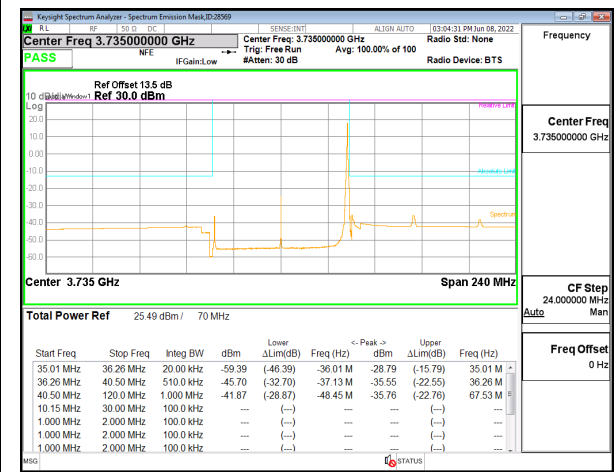
5G NR n77 60MHz BPSK High Channel RB1-0



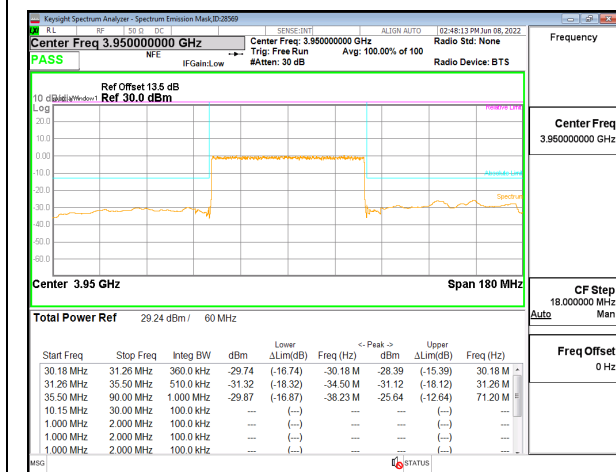
5G NR n77 70MHz BPSK Low Channel RB1-0



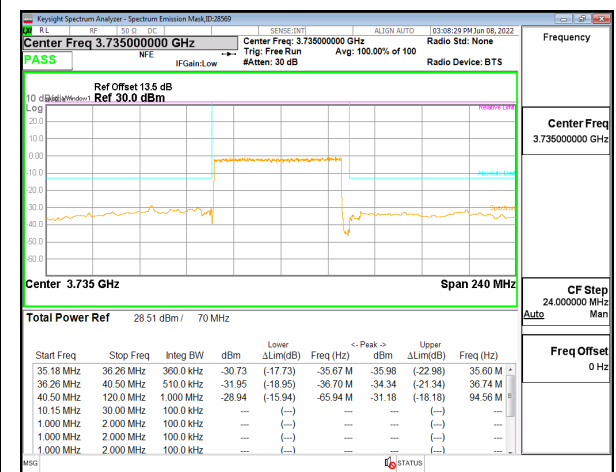
5G NR n77 60MHz BPSK High Channel RB1-161



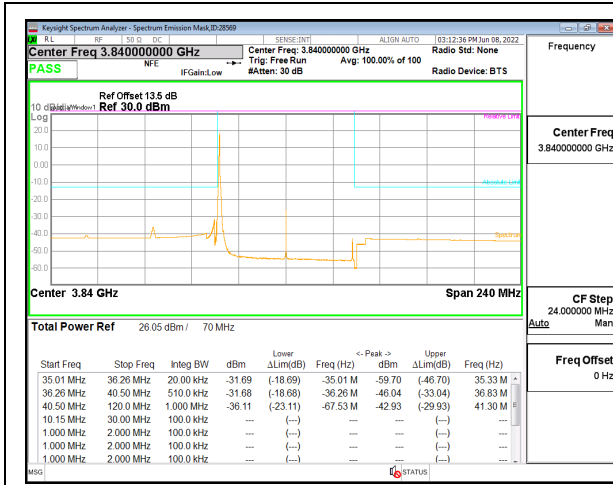
5G NR n77 70MHz BPSK Low Channel RB1-188



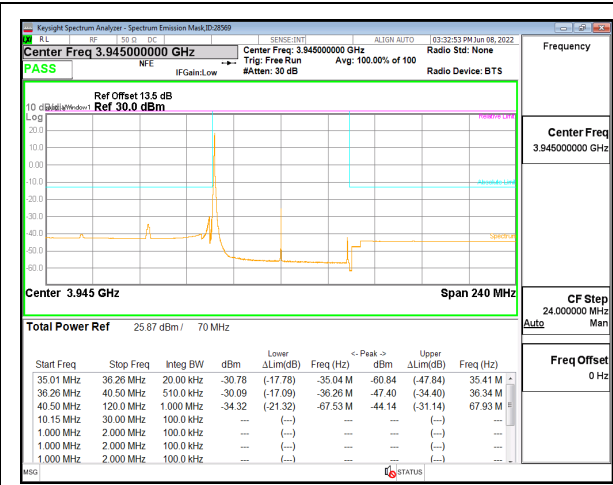
5G NR n77 60MHz BPSK High Channel RB162-0



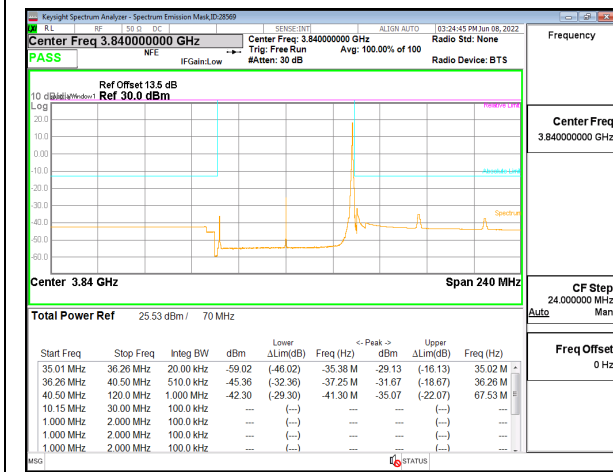
5G NR n77 70MHz BPSK Low Channel RB180-0



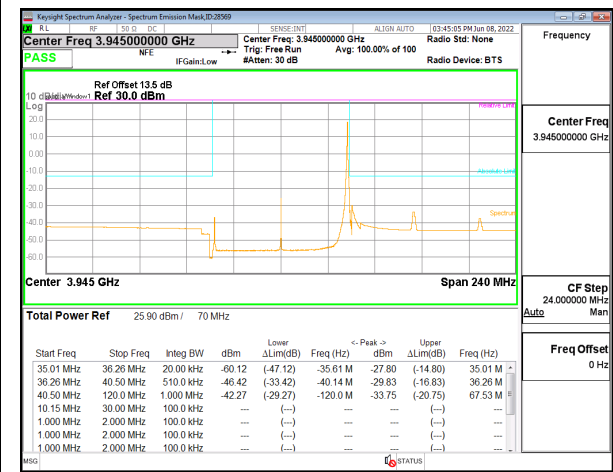
5G NR n77 70MHz BPSK Middle Channel RB1-0



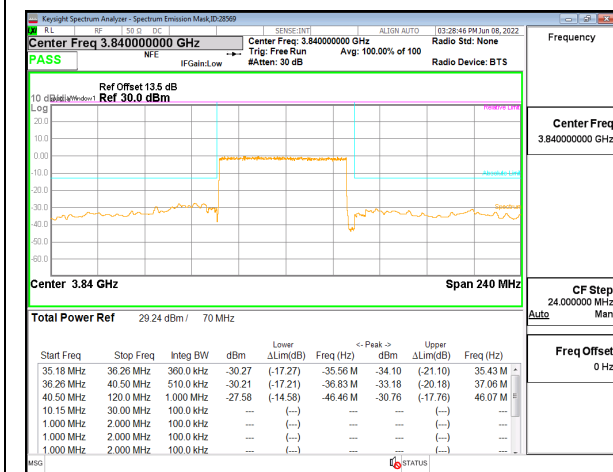
5G NR n77 70MHz BPSK High Channel RB1-0



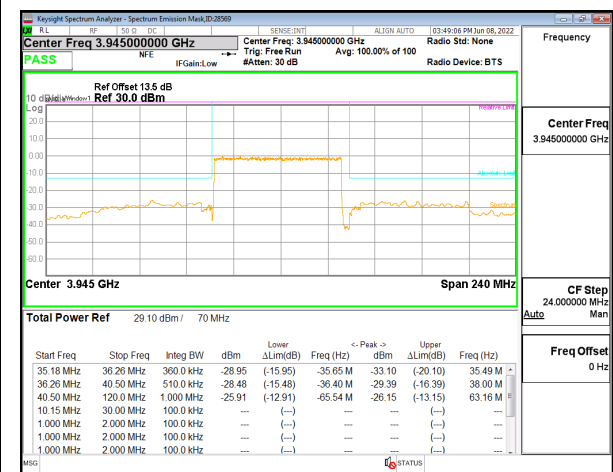
5G NR n77 70MHz BPSK Middle Channel RB1-188



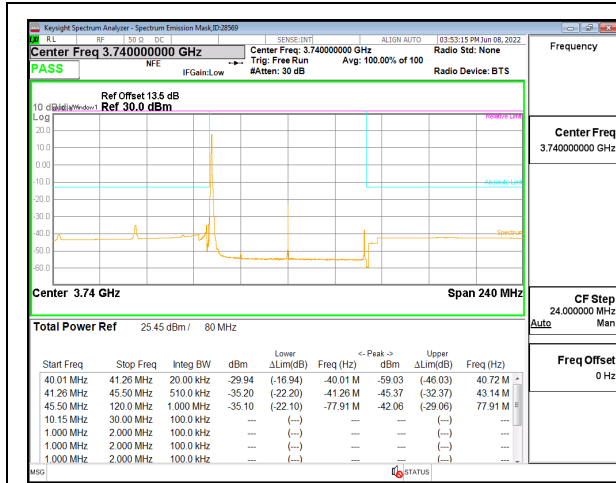
5G NR n77 70MHz BPSK High Channel RB1-188



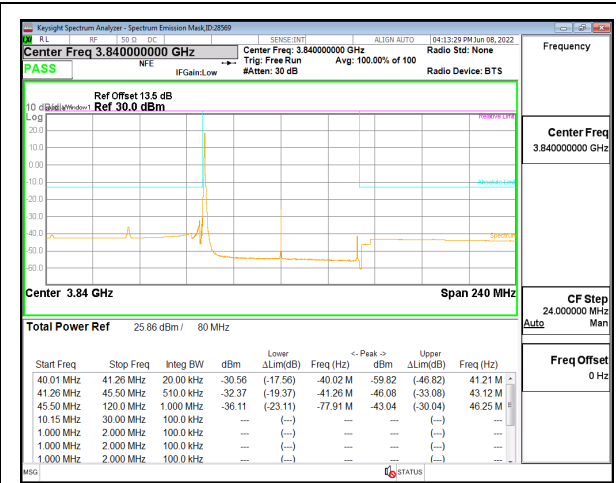
5G NR n77 70MHz BPSK Middle Channel RB180-0



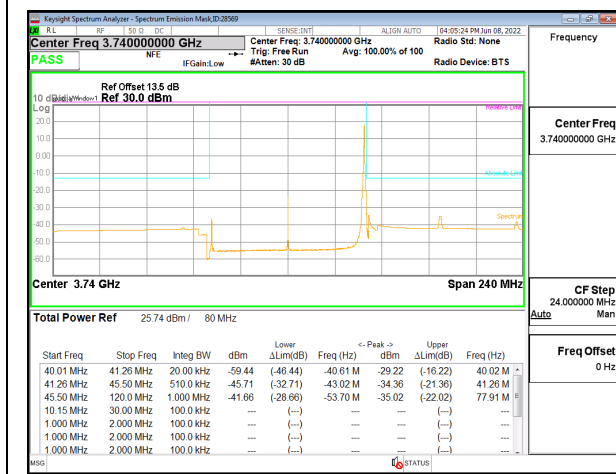
5G NR n77 70MHz BPSK High Channel RB180-0



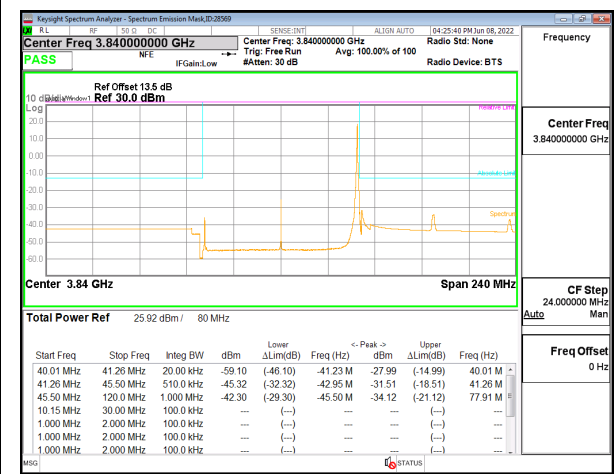
5G NR n77 80MHz BPSK Low Channel RB1-0



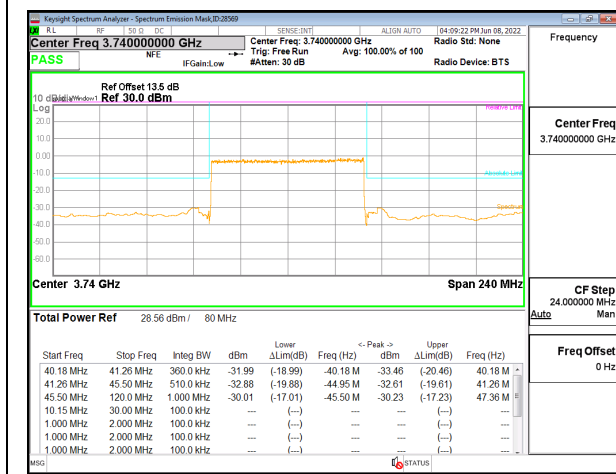
5G NR n77 80MHz BPSK Middle Channel RB1-0



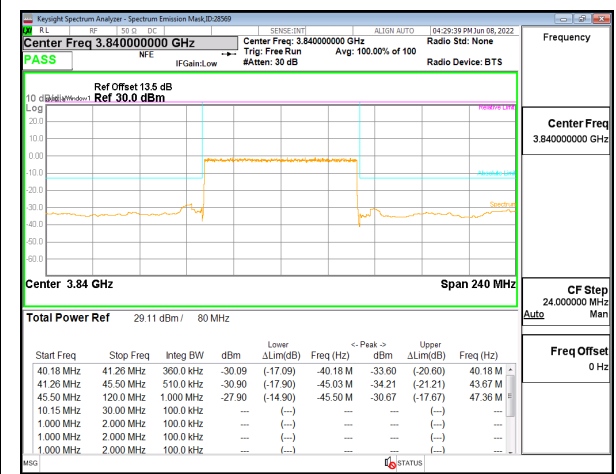
5G NR n77 80MHz BPSK Low Channel RB1-216



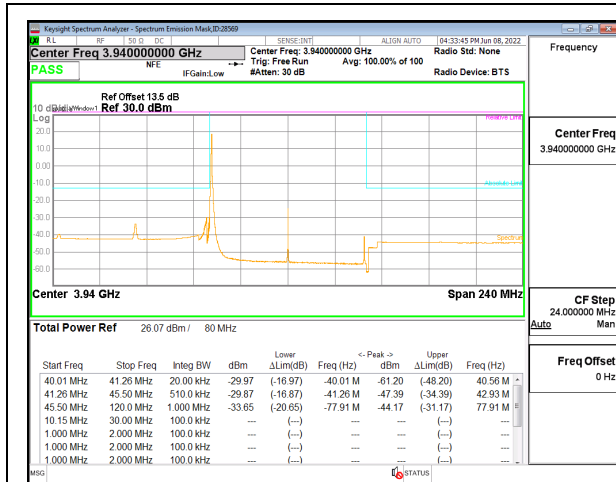
5G NR n77 80MHz BPSK Middle Channel RB1-216



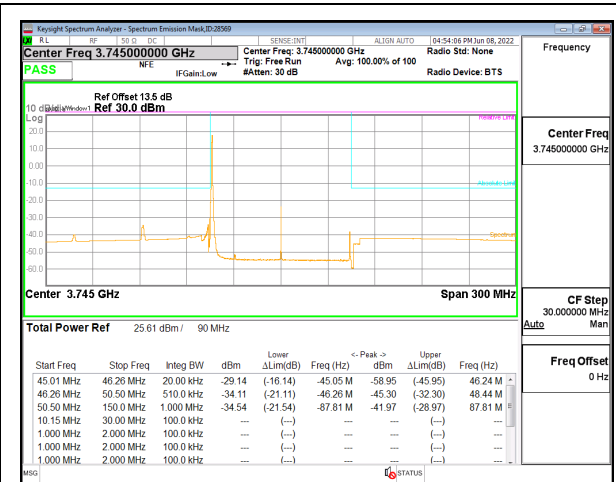
5G NR n77 80MHz BPSK Low Channel RB216-0



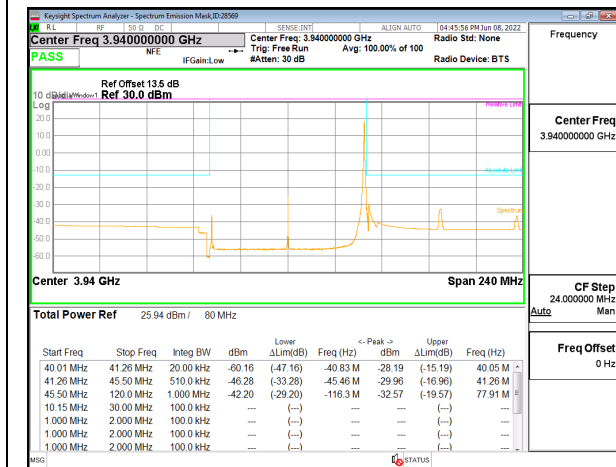
5G NR n77 80MHz BPSK Middle Channel RB216-0



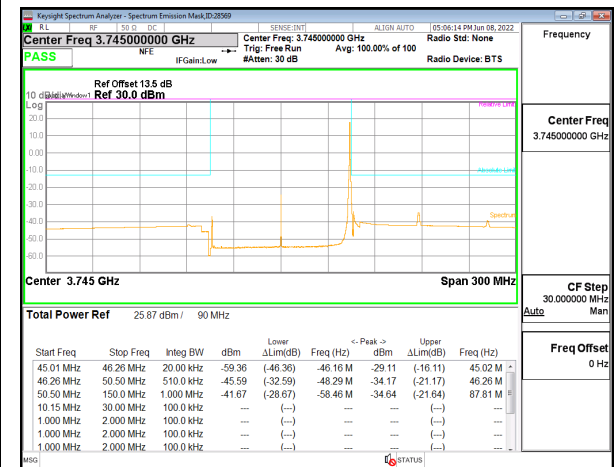
5G NR n77 80MHz BPSK High Channel RB1-0



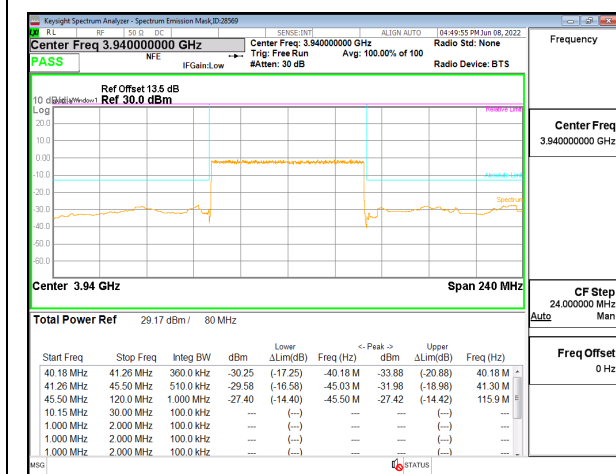
5G NR n77 90MHz BPSK Low Channel RB1-0



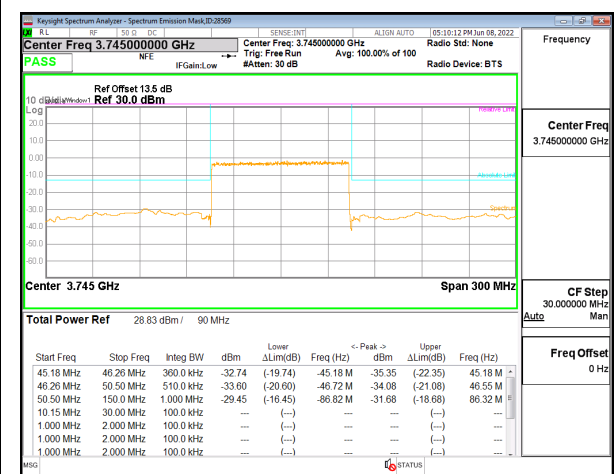
5G NR n77 80MHz BPSK High Channel RB1-216



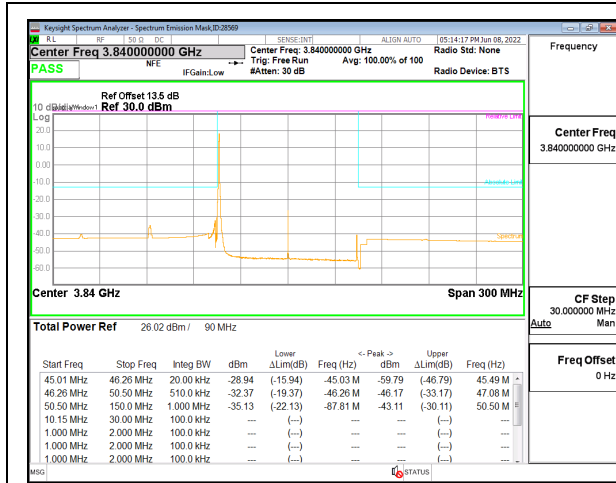
5G NR n77 90MHz BPSK Low Channel RB1-244



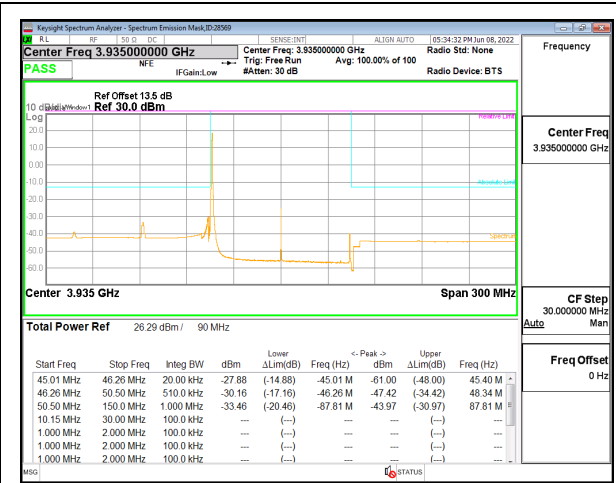
5G NR n77 80MHz BPSK High Channel RB216-0



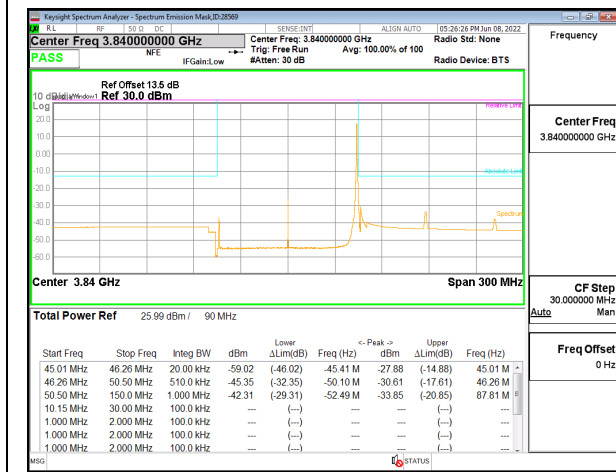
5G NR n77 90MHz BPSK Low Channel RB243-0



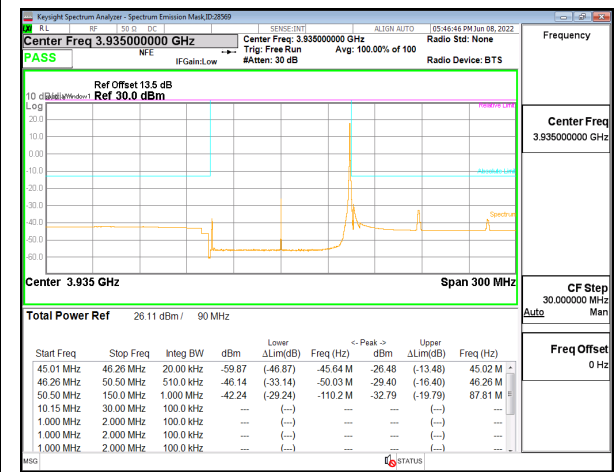
5G NR n77 90MHz BPSK Middle Channel RB1-0



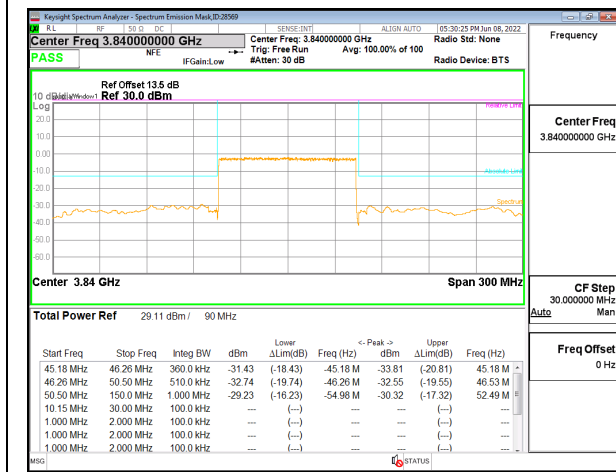
5G NR n77 90MHz BPSK High Channel RB1-0



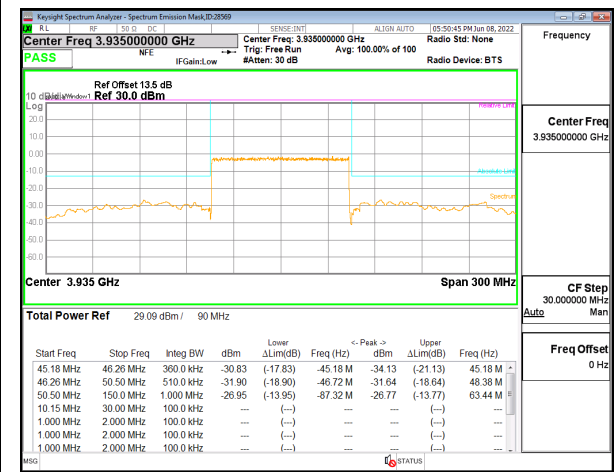
5G NR n77 90MHz BPSK Middle Channel RB1-244



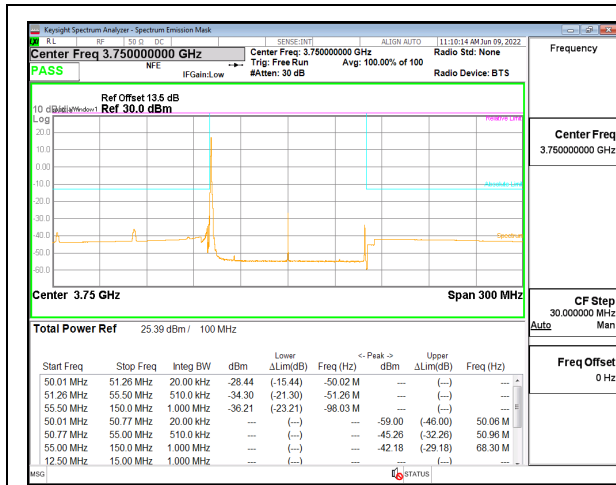
5G NR n77 90MHz BPSK High Channel RB1-244



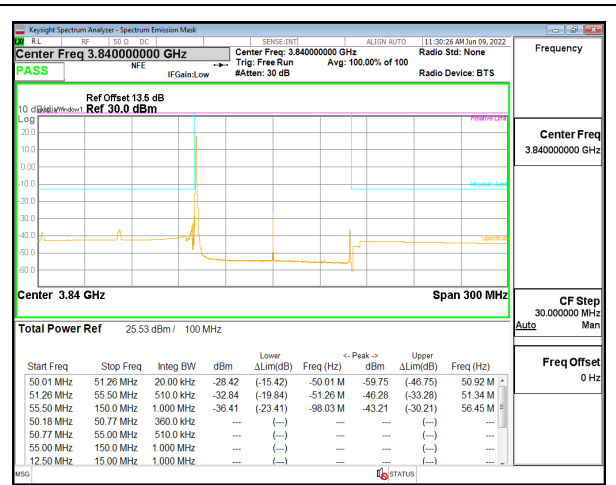
5G NR n77 90MHz BPSK Middle Channel RB243-0



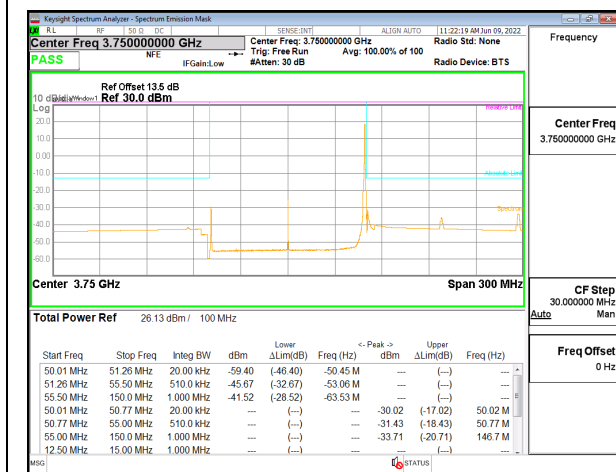
5G NR n77 90MHz BPSK High Channel RB243-0



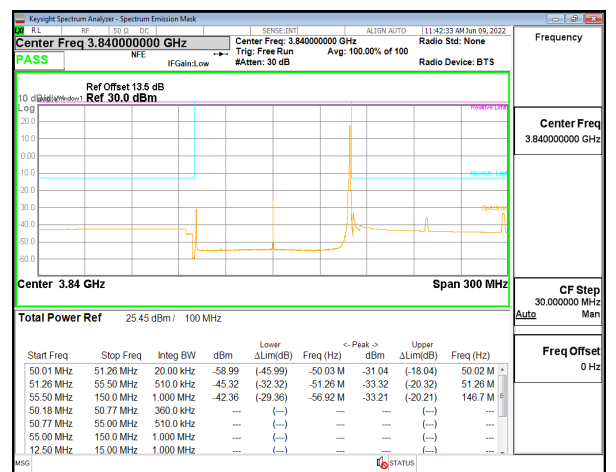
5G NR n77 100MHz BPSK Low Channel RB1-0



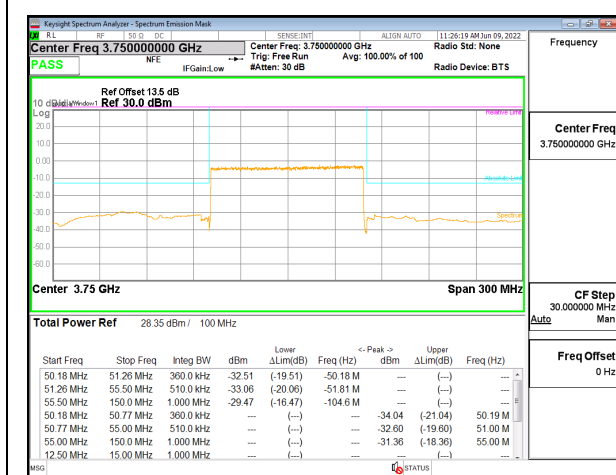
5G NR n77 100MHz BPSK Middle Channel RB1-0



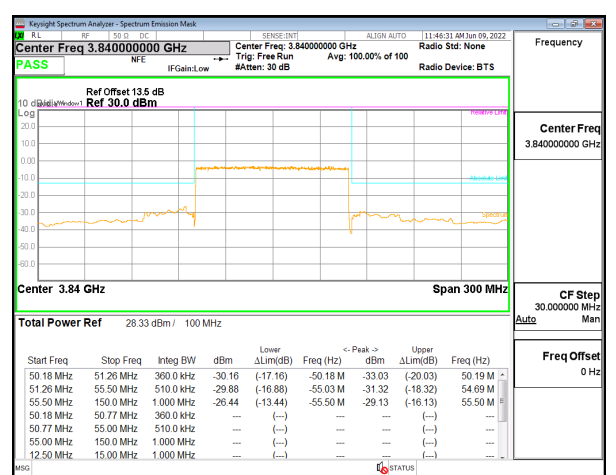
5G NR n77 100MHz BPSK Low Channel RB1-272



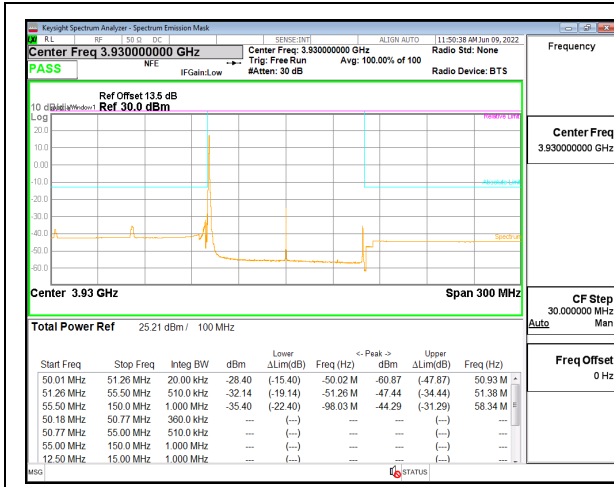
5G NR n77 100MHz BPSK Middle Channel RB1-272



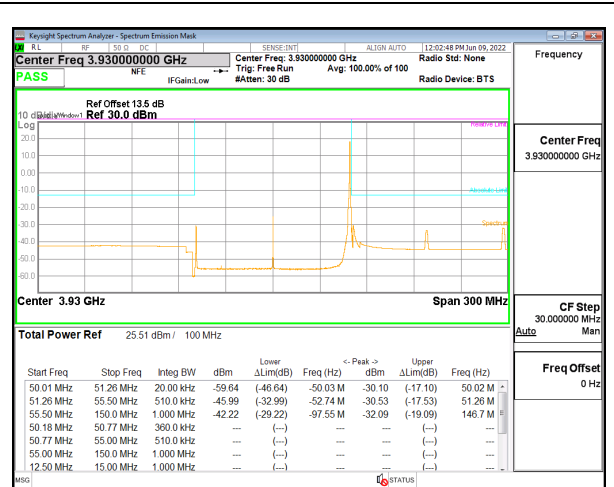
5G NR n77 100MHz BPSK Low Channel RB270-0



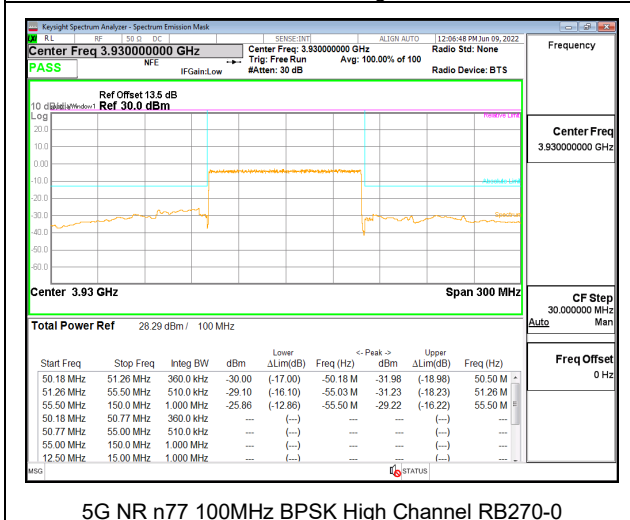
5G NR n77 100MHz BPSK Middle Channel RB270-0



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



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



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

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

Both QPSK and 16QAM modes are tested, QPSK bandwidths results are reported as worst case for LTE bands.

Both BPSK and 16QAM modes are tested, BPSK bandwidths results are reported as worst case for 5G NRs.

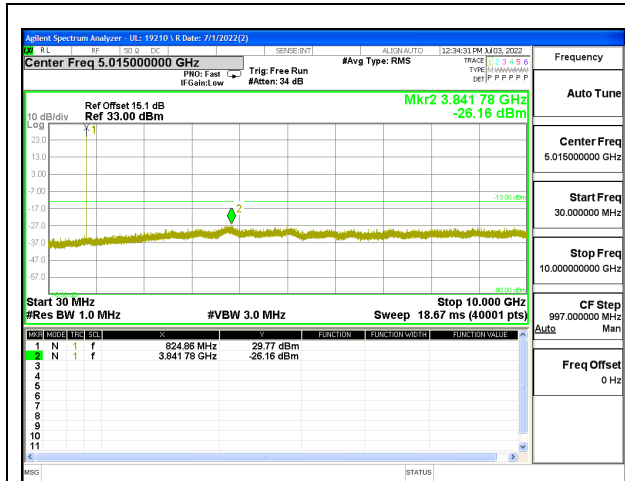
9.3.1. LTE BAND 5 AND 5G NR n5

LIMITS

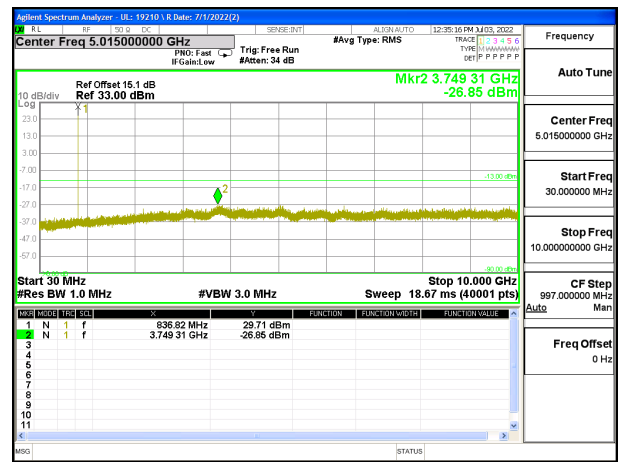
FCC: §22.917 (a)

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

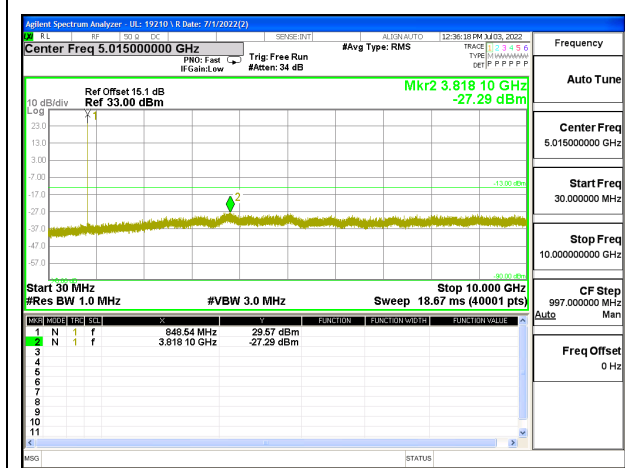
LTE BAND 5



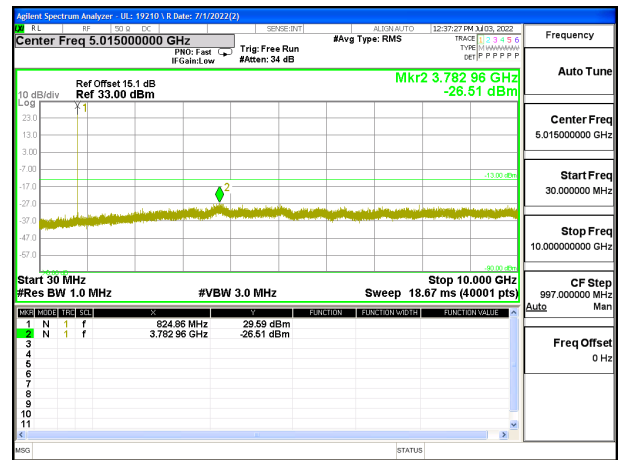
LTE B5 1.4MHz QPSK Low Channel RB1-0



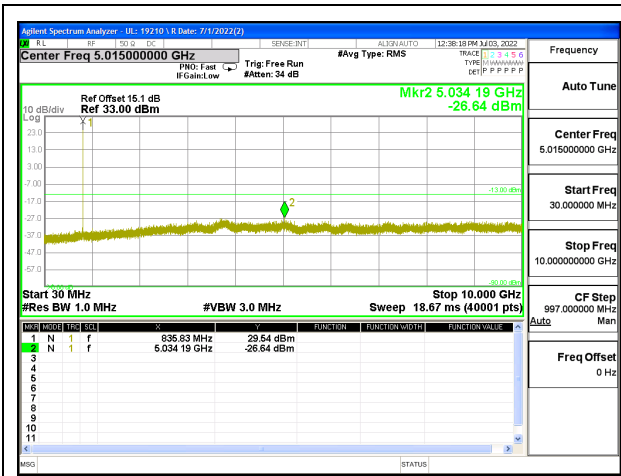
LTE B5 1.4MHz QPSK Middle Channel RB1-0



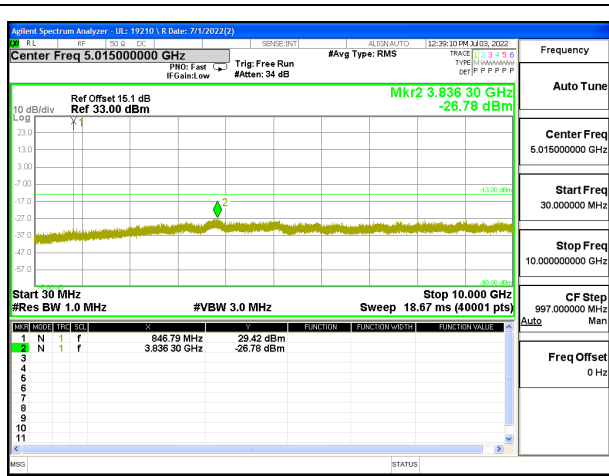
LTE B5 1.4MHz QPSK High Channel RB1-0



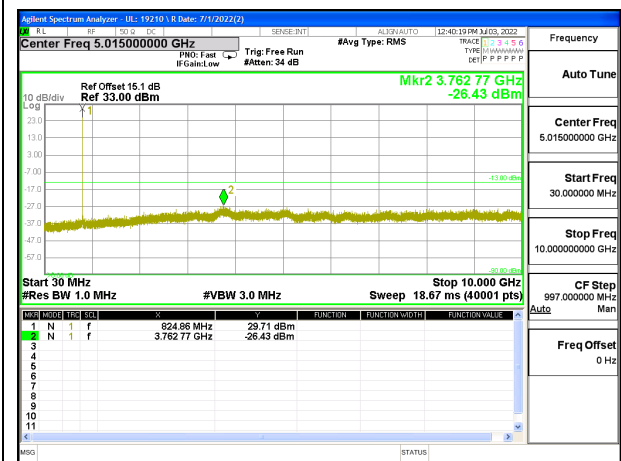
LTE B5 3MHz QPSK Low Channel RB1-0



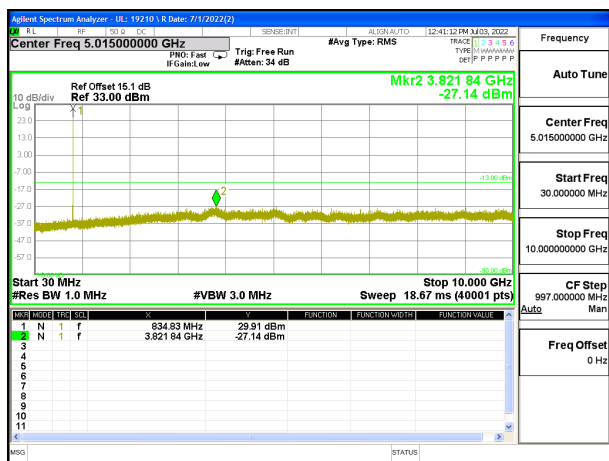
LTE B5 3MHz QPSK Middle Channel RB1-0



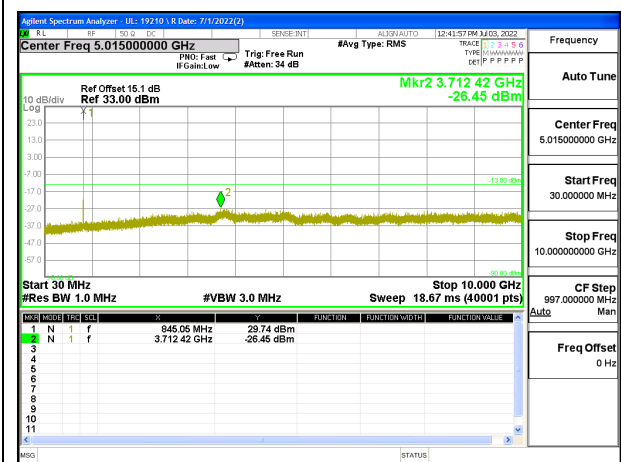
LTE B5 3MHz QPSK High Channel RB1-0



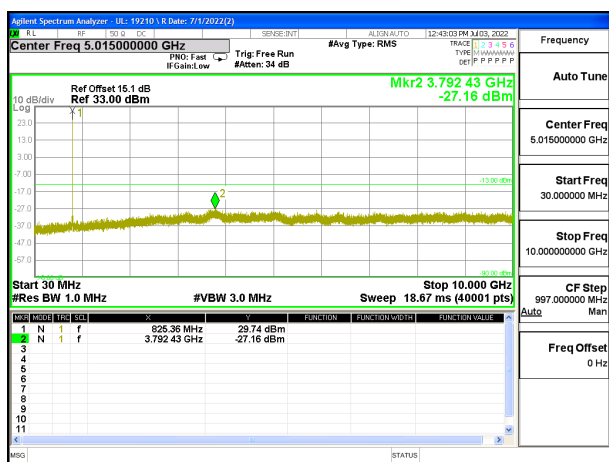
LTE B5 5MHz QPSK Low Channel RB1-0



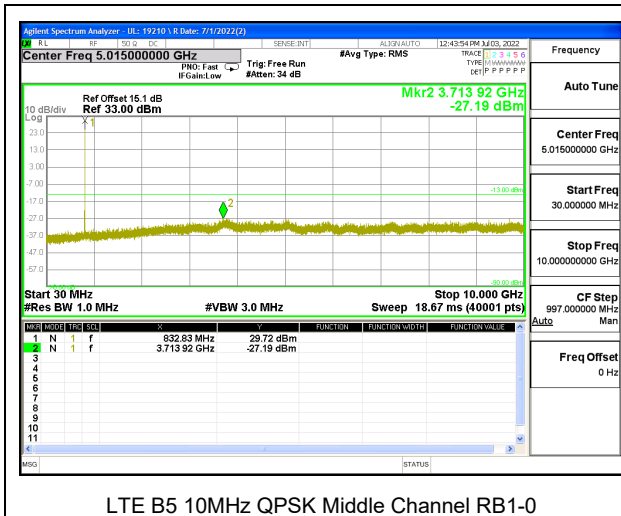
LTE B5 5MHz QPSK Middle Channel RB1-0



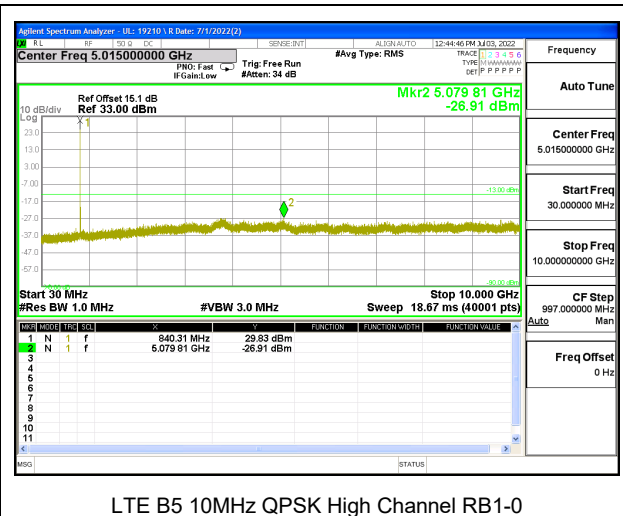
LTE B5 5MHz QPSK High Channel RB1-0



LTE B5 10MHz QPSK Low Channel RB1-0

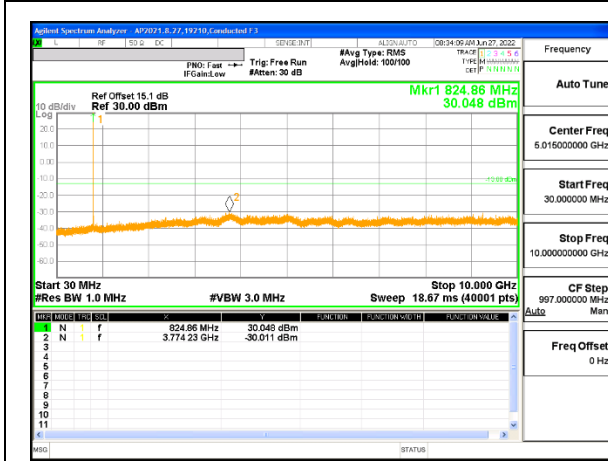


LTE B5 10MHz QPSK Middle Channel RB1-0

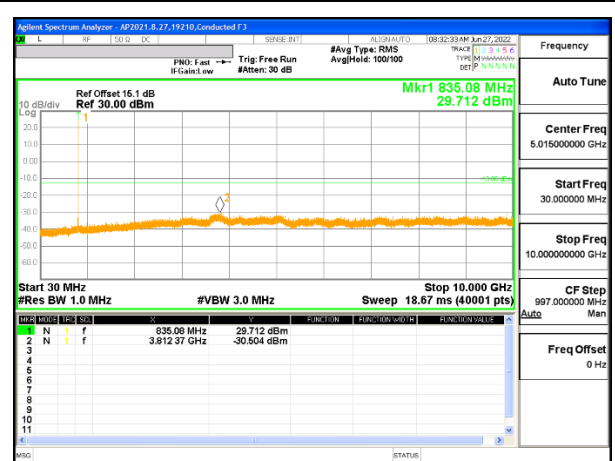


LTE B5 10MHz QPSK High Channel RB1-0

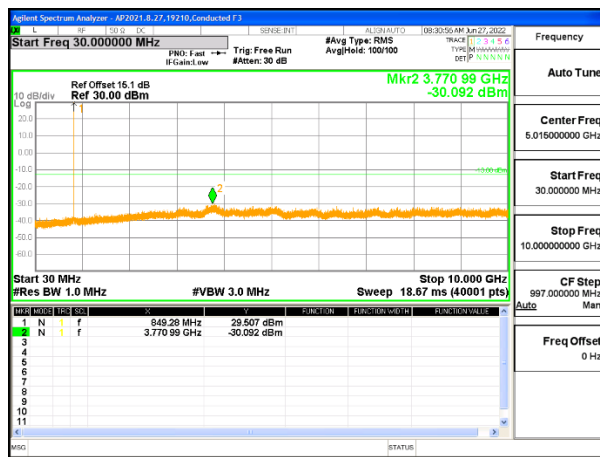
5G NR n5



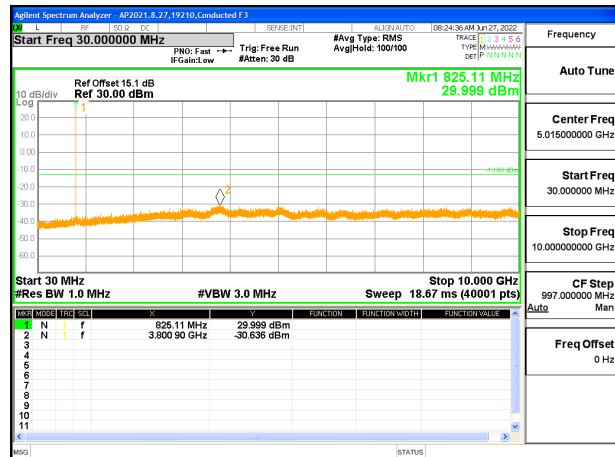
5G NR n5 5MHz BPSK Low Channel RB1-0



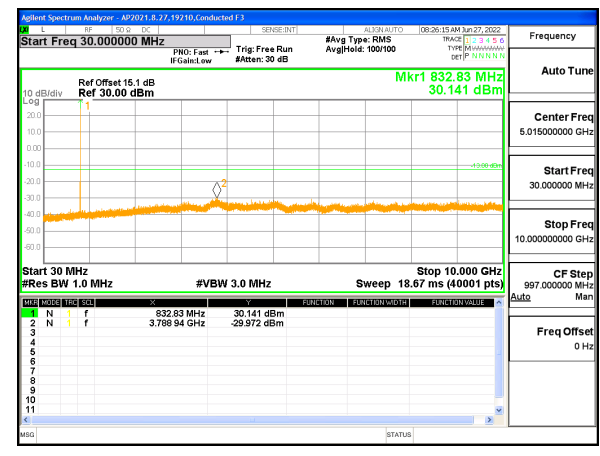
5G NR n5 5MHz BPSK Middle Channel RB1-1



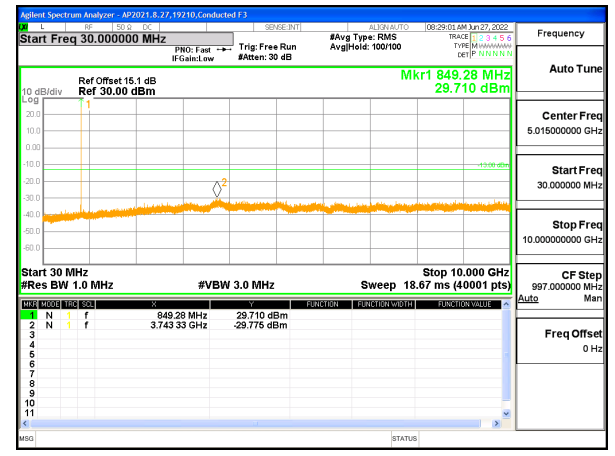
5G NR n5 5MHz BPSK High Channel RB1-24



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