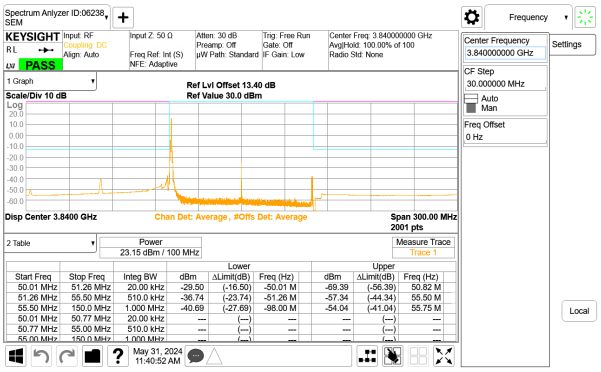
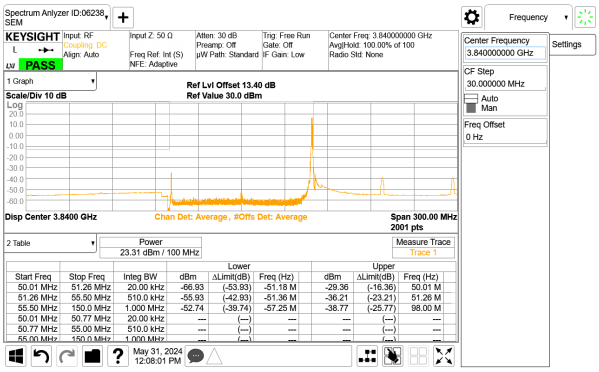
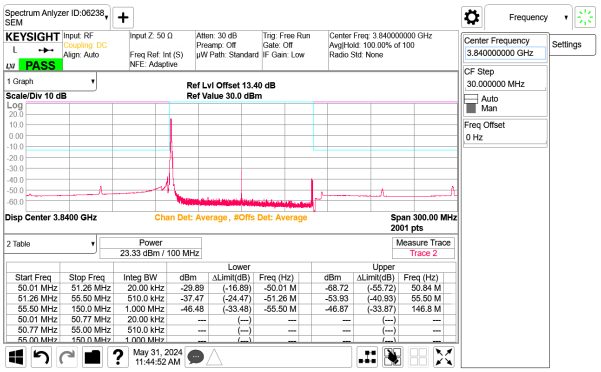


5G NR n77 100MHz BPSK Middle Channel RB1-0 Port A



5G NR n77 100MHz BPSK Mid Channel RB1-272 Port A



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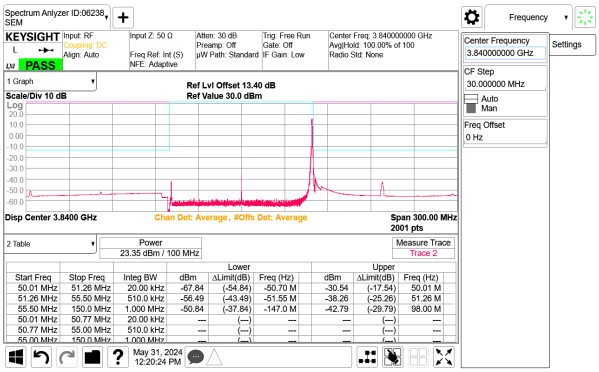
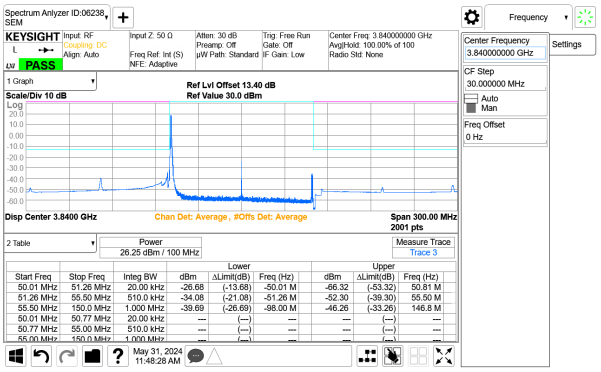
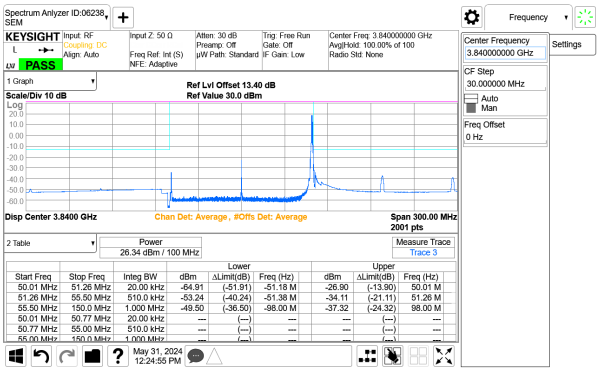


5G NR n77 100MHz BPSK Mid Channel RB1-272 Port B



5G NR n77 100MHz BPSK Middle Channel RB1-0 Port A+B



5G NR n77 100MHz BPSK Mid Channel RB1-272 Port A+B

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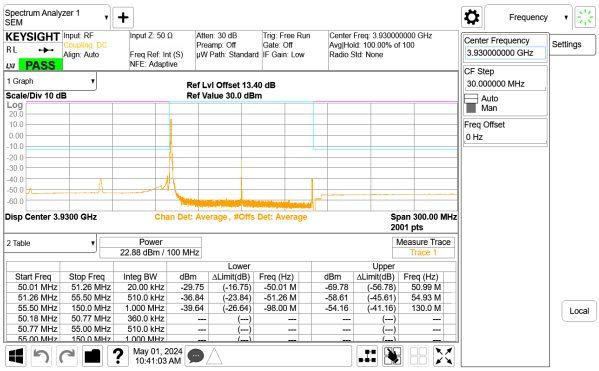
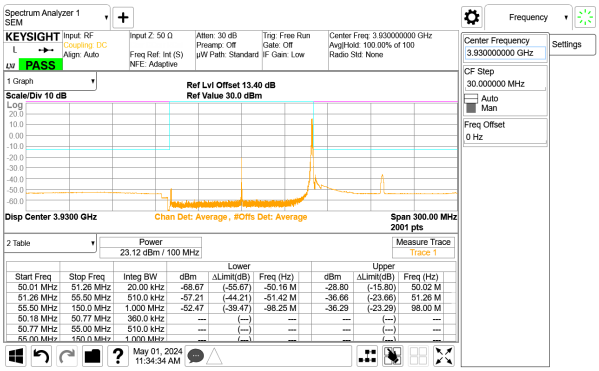


5G NR n77 100MHz BPSK High Channel RB1-0 Port A, ID: 32546



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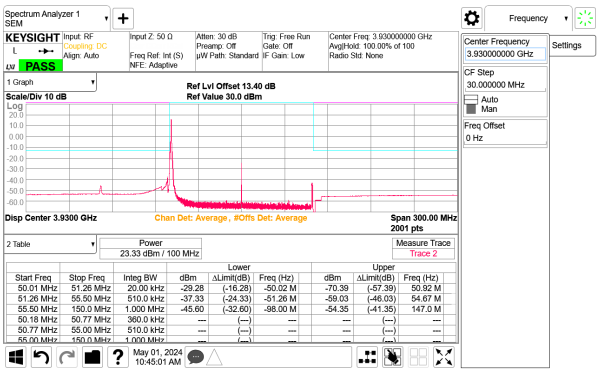

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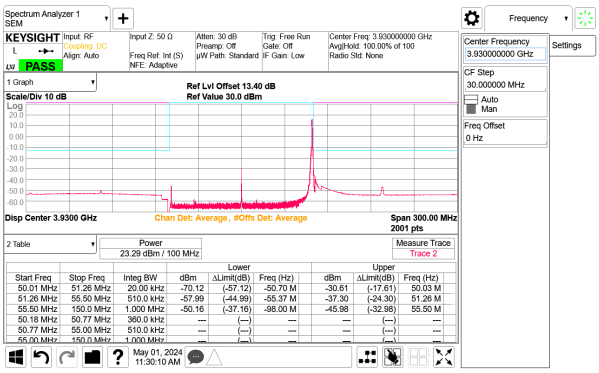

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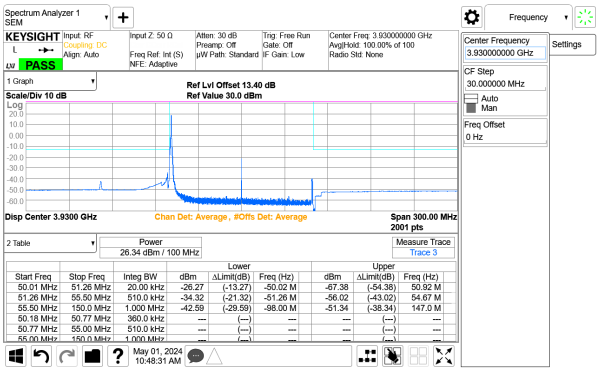
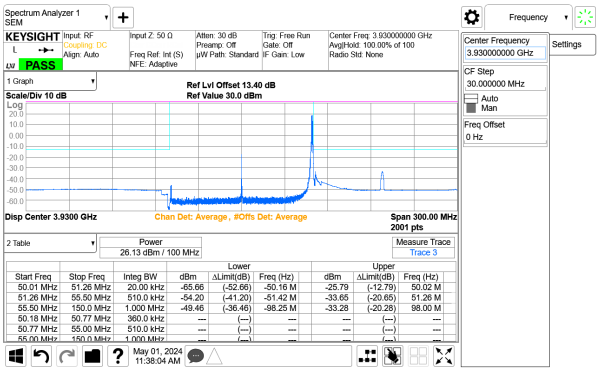


5G NR n77 100MHz BPSK High Channel RB1-0 Port A+B, ID: 32546



5G NR n77 100MHz BPSK High Channel RB1-272 Port A+B, ID: 32546

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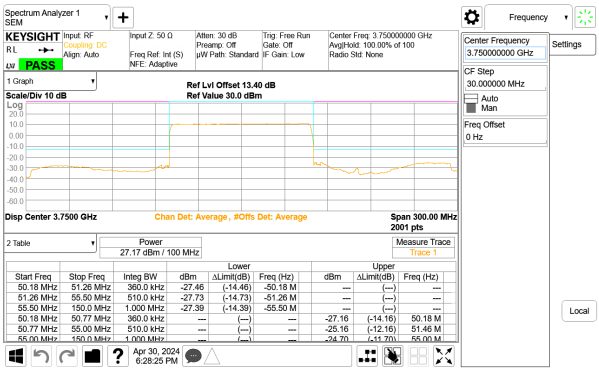
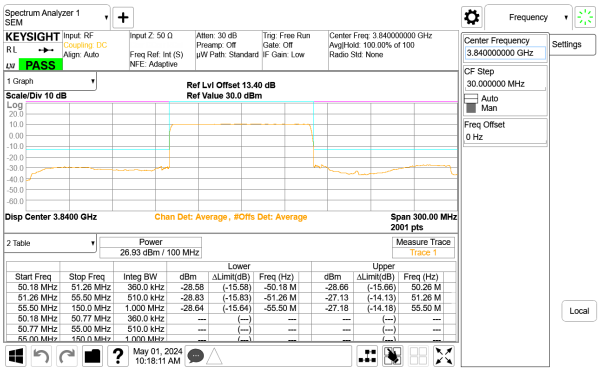
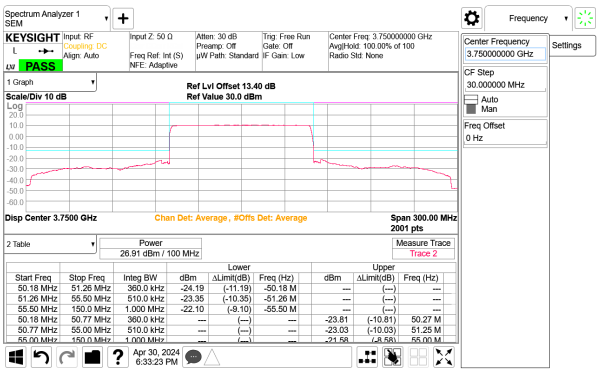


5G NR n77 100MHz BPSK Low Channel RB270-0 Port A, ID: 32546



5G NR n77 100MHz BPSK Mid Channel RB270-0 Port A, ID: 32546



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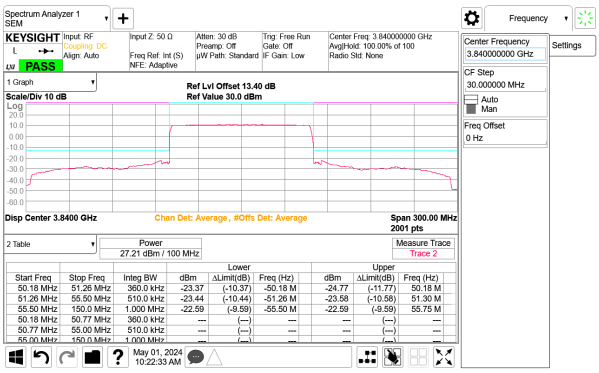
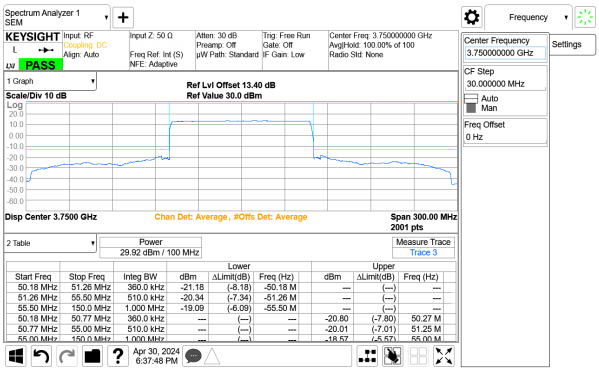
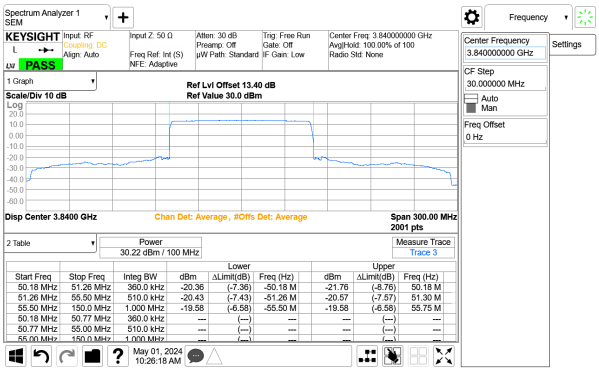


5G NR n77 100MHz BPSK Mid Channel RB270-0 Port B, ID: 32546



5G NR n77 100MHz BPSK Low Channel RB270-0 Port A+B, ID: 32546



5G NR n77 100MHz BPSK Mid Channel RB270-0 Port A+B, ID: 32546

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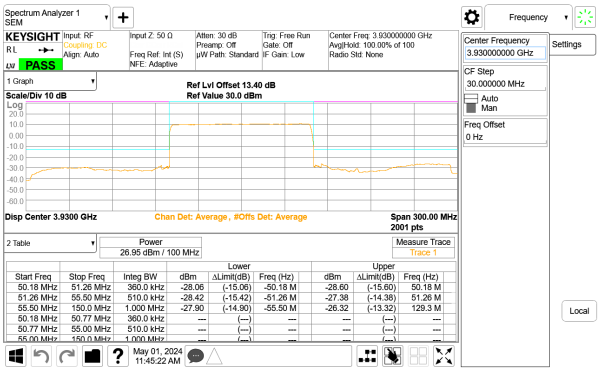
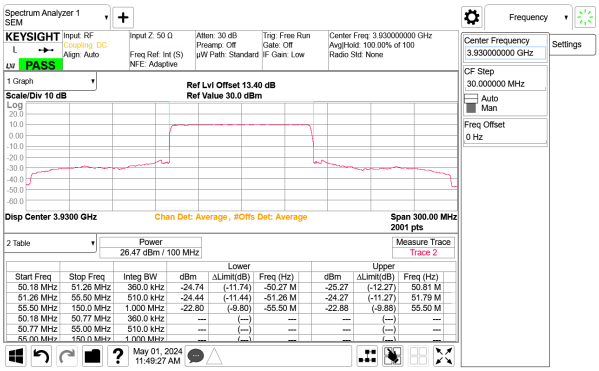
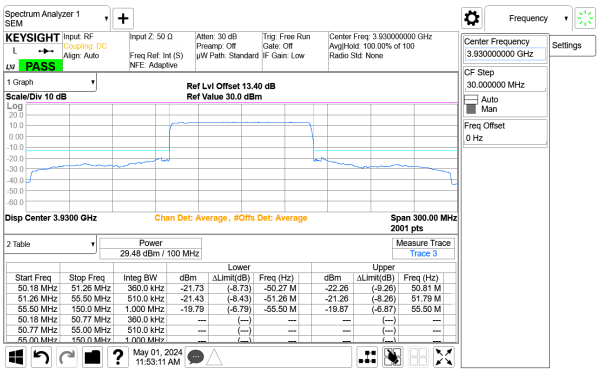


5G NR n77 100MHz BPSK High Channel RB270-0 Port A, ID: 32546



5G NR n77 100MHz BPSK High Channel RB270-0 Port B, ID: 32546



5G NR n77 100MHz BPSK High Channel RB270-0 Port A+B, ID: 32546

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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

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9.3.1. 5G NR n41

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.

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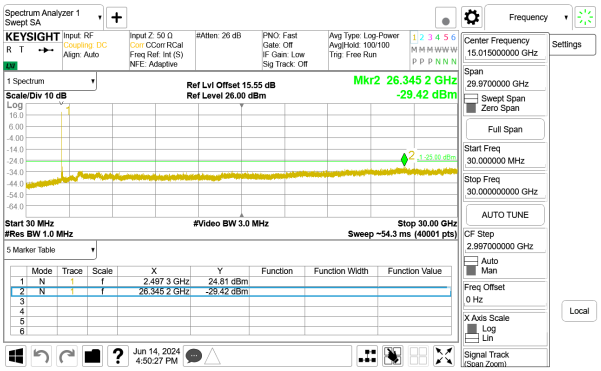
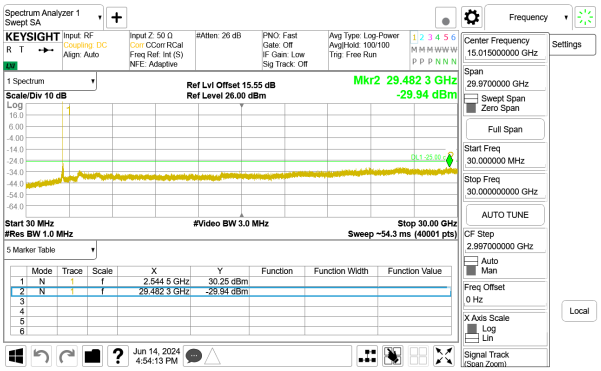
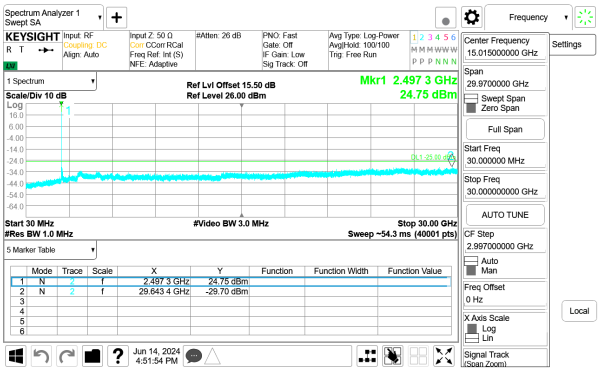


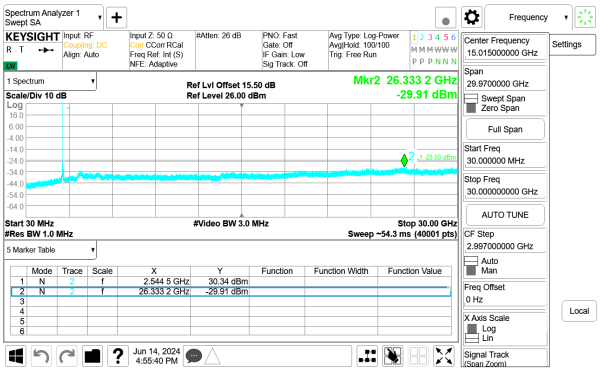
5G NR n41 100MHz BPSK Low Channel RB1-0, ID: 28774, Port A



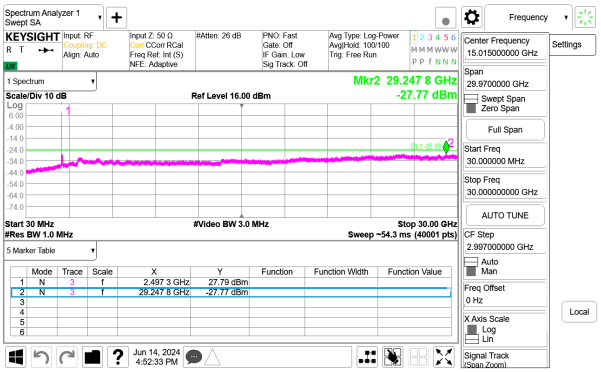
5G NR n41 100MHz BPSK Mid Channel RB1-1, ID: 28774, Port A



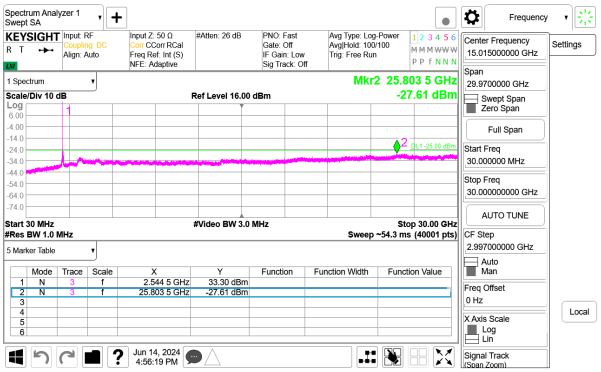
5G NR n41 100MHz BPSK Low Channel RB1-0, ID: 28774, Port B



5G NR n41 100MHz BPSK Mid Channel RB1-1, ID: 28774, Port B



5G NR n41 100MHz BPSK Low Channel RB1-0, ID: 28774, Port A+B



5G NR n41 100MHz BPSK Mid Channel RB1-1, ID: 28774, Port A+B

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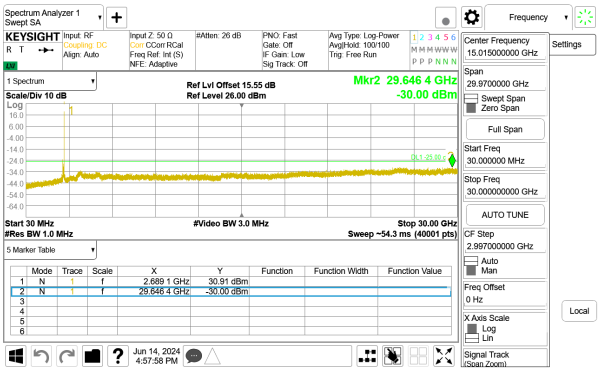
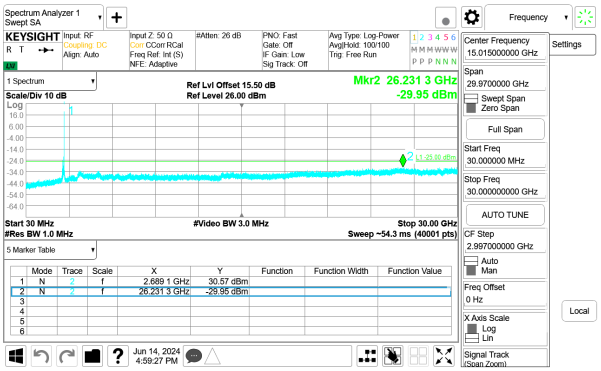
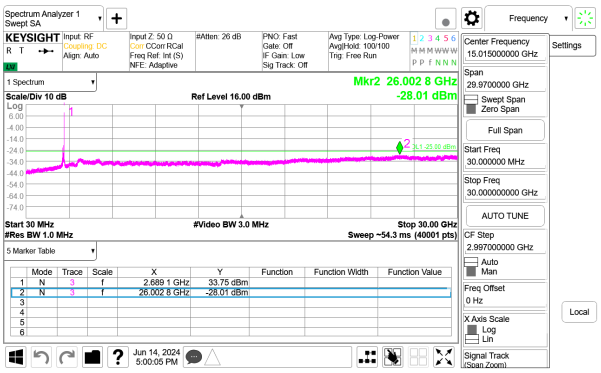


5G NR n41 100MHz BPSK High Channel RB1-272, ID: 28774, Port A



5G NR n41 100MHz BPSK High Channel RB1-272, ID: 28774, Port B



5G NR n41 100MHz BPSK High Channel RB1-272, ID: 28774, Port A+B

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9.3.2. 5G NR n77 (FCC Part 27 3450-3550MHz)

LIMITS

FCC: §27.53
Emission limits
(n) 3.45 GHz Service. The following emission limits apply to stations transmitting in the 3450-3550 MHz band:
(2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed −13 dBm/MHz.

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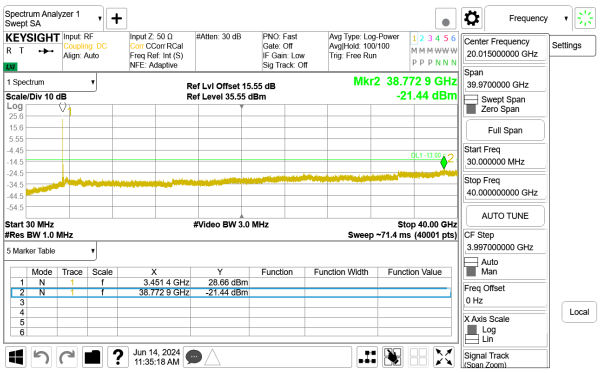
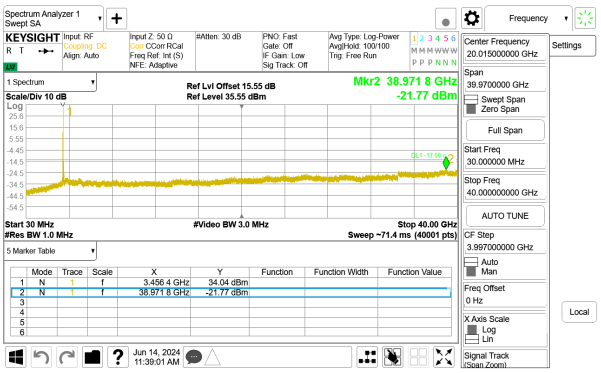
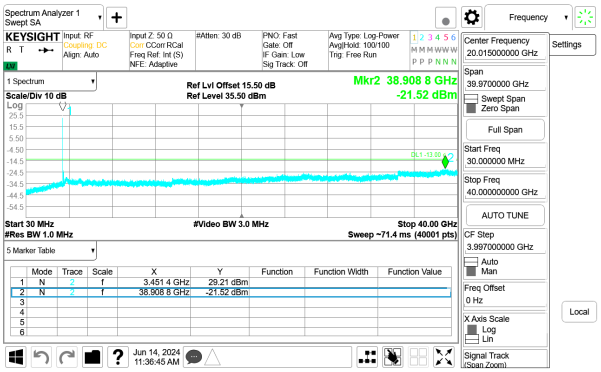


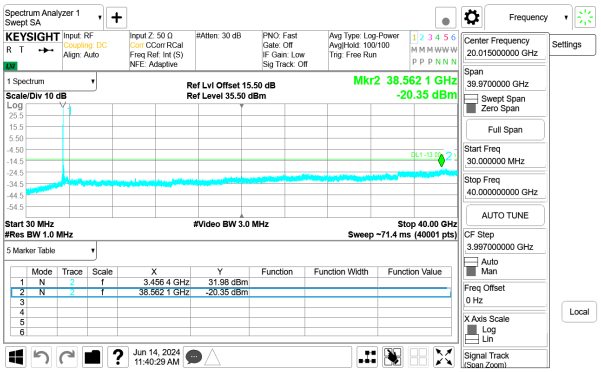
5G NR n77 90MHz BPSK Low Channel RB1-0 Port A ID: 28774



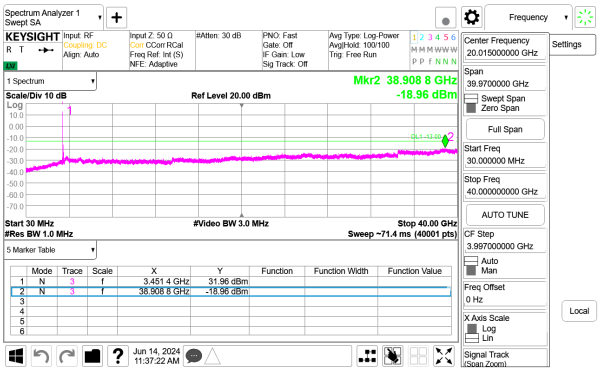
5G NR n77 90MHz BPSK Mid Channel RB1-1 Port A ID: 28774



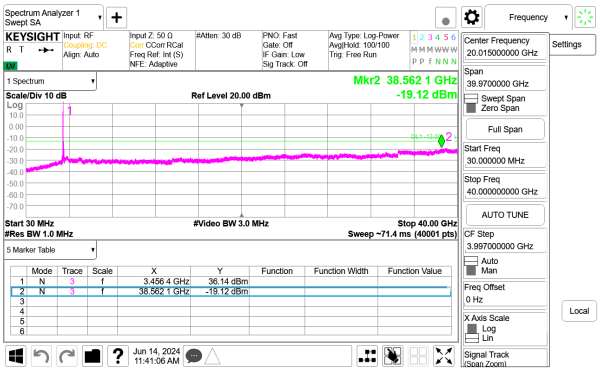
5G NR n77 90MHz BPSK Low Channel RB1-0 Port B ID: 28774



5G NR n77 90MHz BPSK Mid Channel RB1-1 Port B ID: 28774



5G NR n77 90MHz BPSK Low Channel RB1-0 Port A+B ID: 28774



5G NR n77 90MHz BPSK Mid Channel RB1-1 Port A+B ID: 28774

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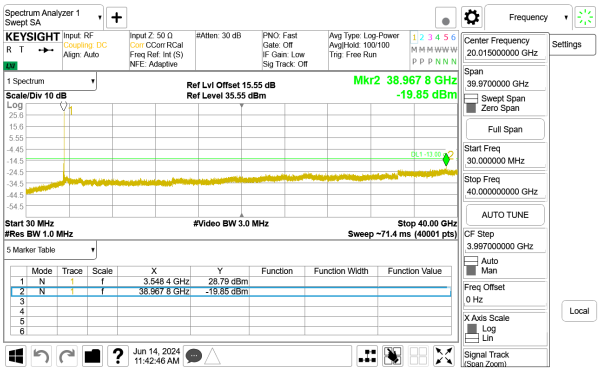
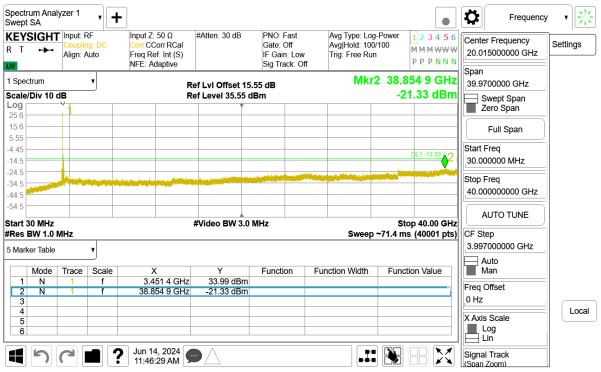
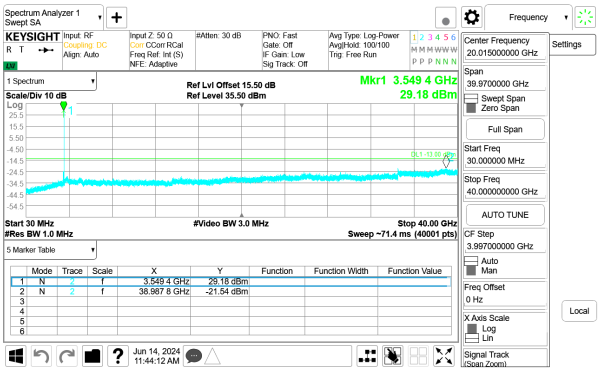


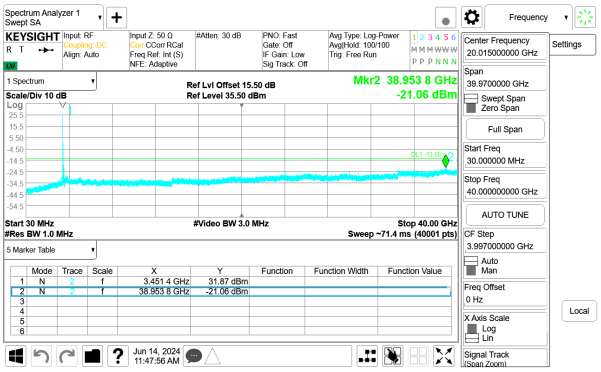
5G NR n77 90MHz BPSK High Channel RB1-244, Port A ID: 28774



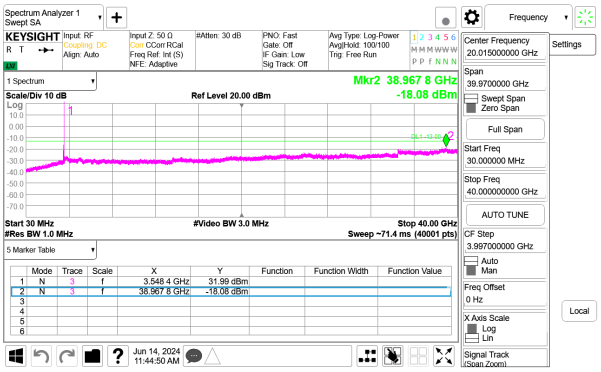
5G NR n77 100MHz BPSK Mid Channel RB1-1 Port A ID: 28774



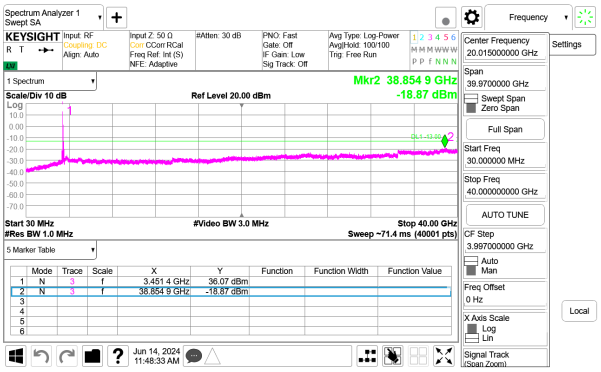
5G NR n77 90MHz BPSK High Channel RB1-244 Port B ID: 28774



5G NR n77 100MHz BPSK Mid Channel RB1-1 Port B ID: 28774



5G NR n77 90MHz BPSK High Channel RB1-244 Port A+B ID: 28774



5G NR n77 100MHz BPSK Mid Channel RB1-1 Port A+B ID: 28774

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9.3.3. 5G NR n77 (FCC Part 27 3700-3980MHz)

LIMITS

FCC: §27.53
Emission limits
(l) 3.7 GHz Service. The following emission limits apply to stations transmitting in the 3700-3980 MHz band:
(2) For mobile 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.

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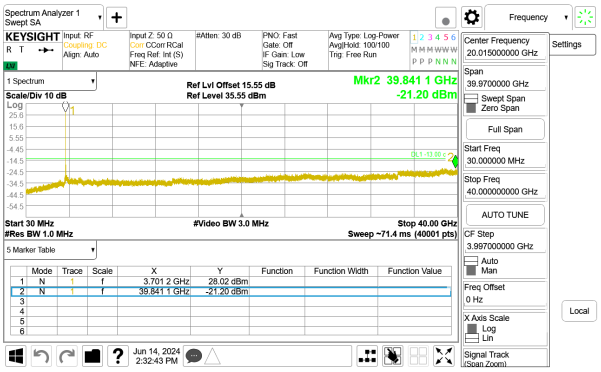
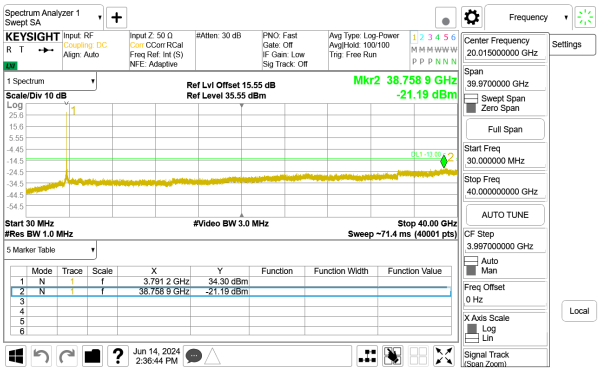
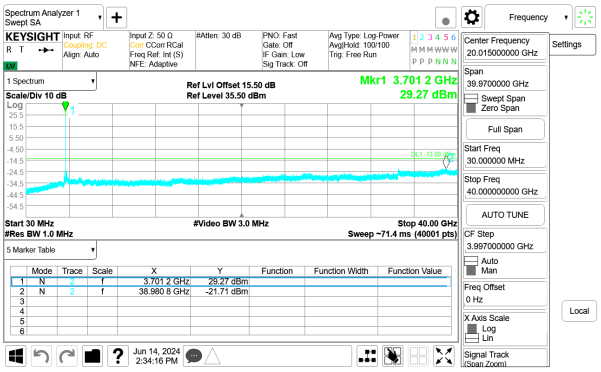


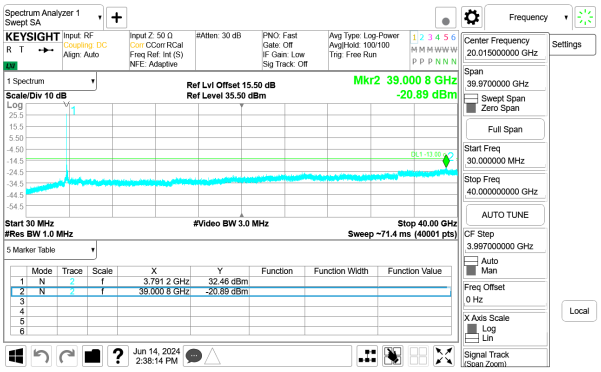
5G NR n77 100MHz BPSK Low Channel RB1-0 Port A ID: 28774



5G NR n77 100MHz BPSK Mid Channel RB1-1 Port A ID: 28774



5G NR n77 100MHz BPSK Low Channel RB1-0 Port B ID: 28774



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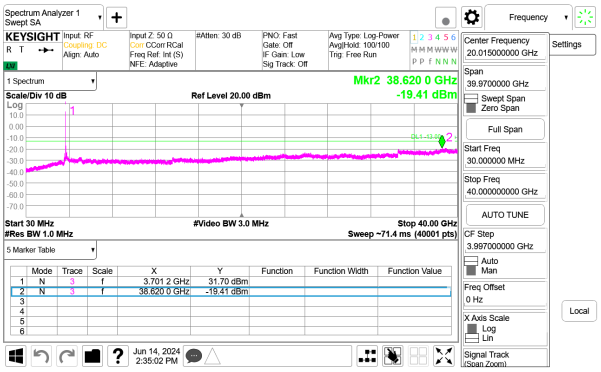
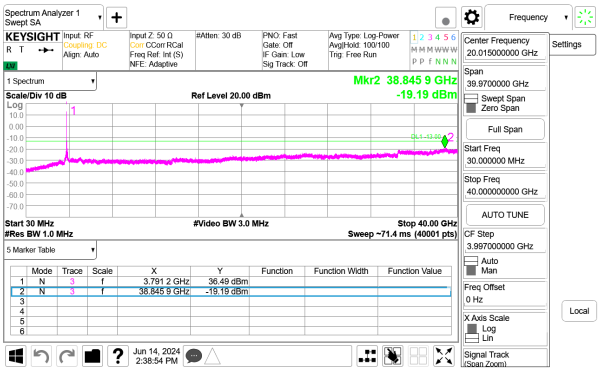


5G NR n77 100MHz BPSK Low Channel RB1-0 Port A+B ID: 28774



5G NR n77 100MHz BPSK Mid Channel RB1-1 Port A+B ID: 28774

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