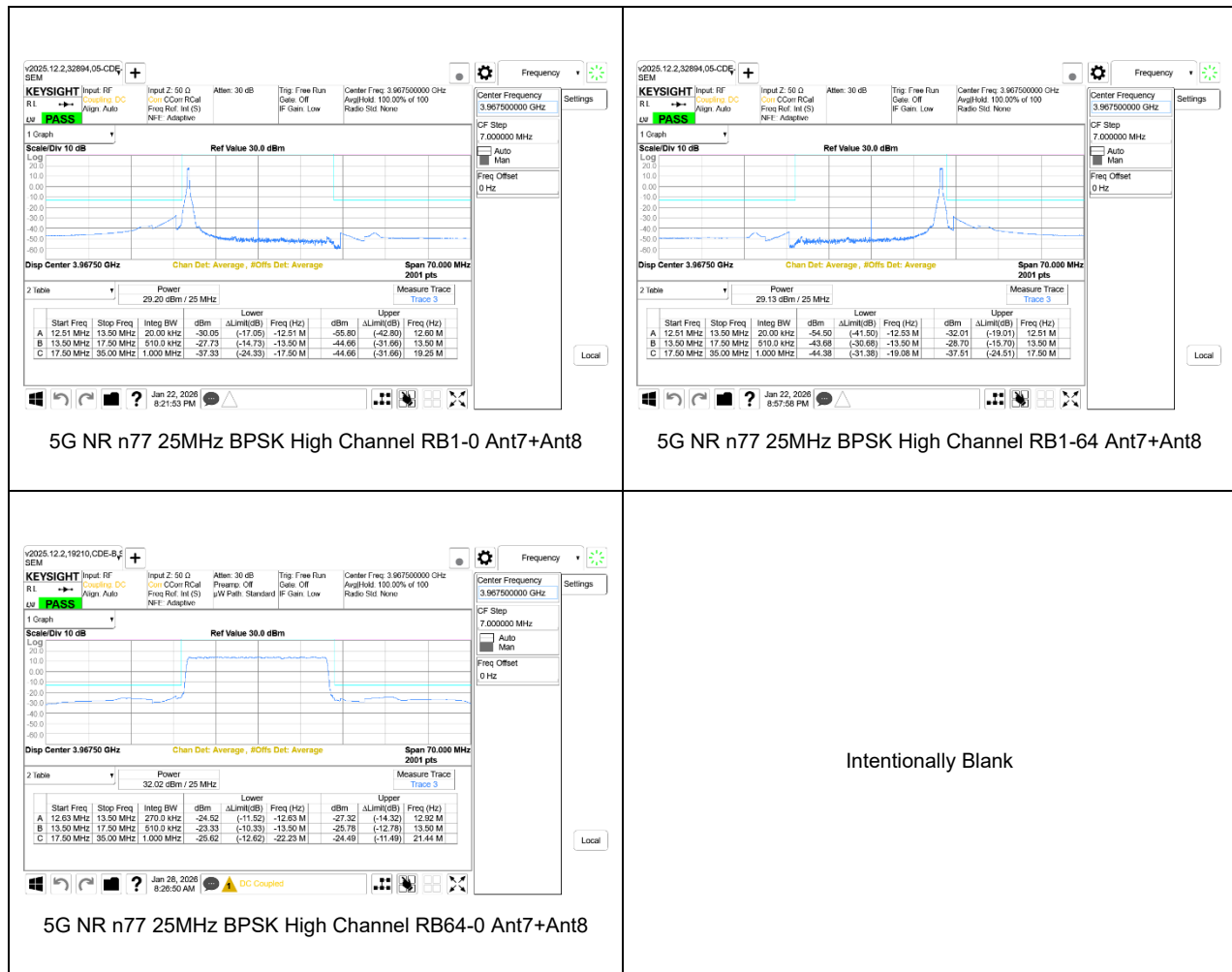
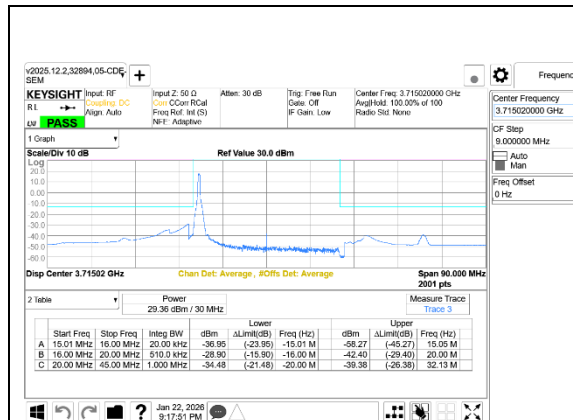




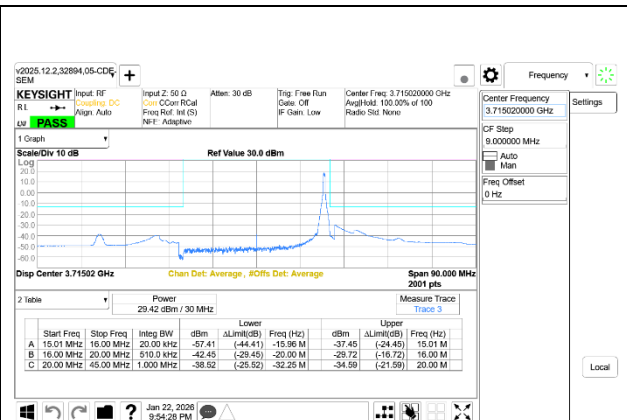




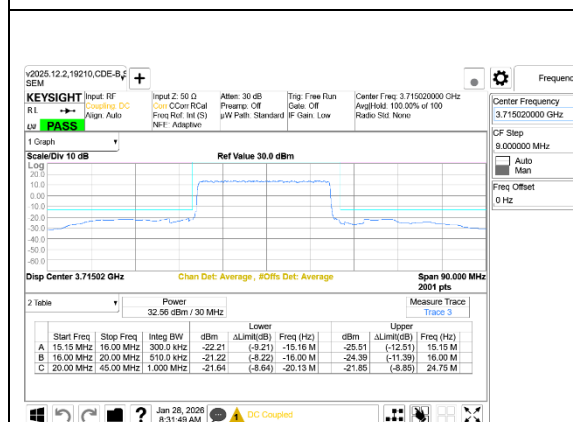




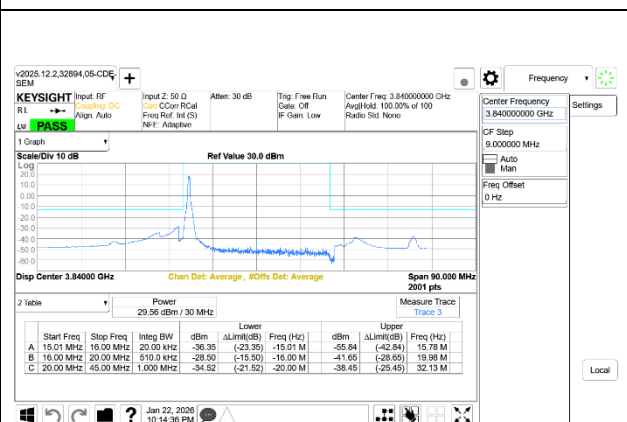
5G NR n77 30MHz BPSK Low Channel RB1-0 Ant7+Ant8



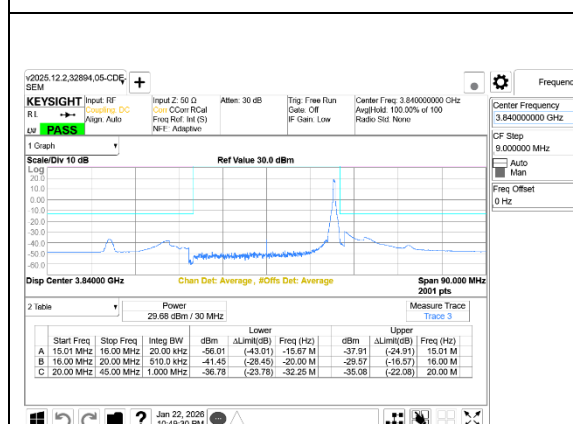
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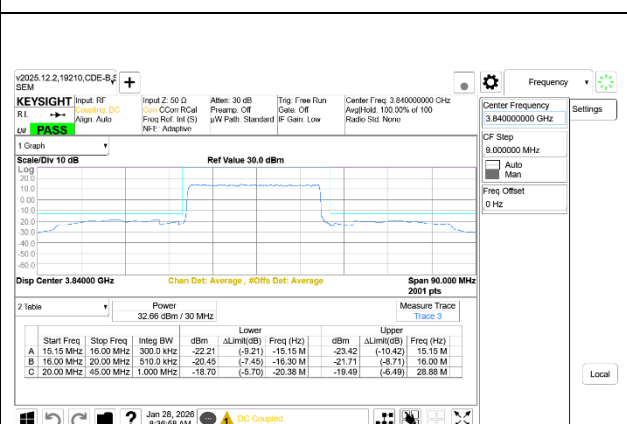
5G NR n77 30MHz BPSK Low Channel RB75-0 Ant7+Ant8



5G NR n77 30MHz BPSK Mid Channel RB1-0 Ant7+Ant8



5G NR n77 30MHz BPSK Mid Channel RB1-77 Ant7+Ant8



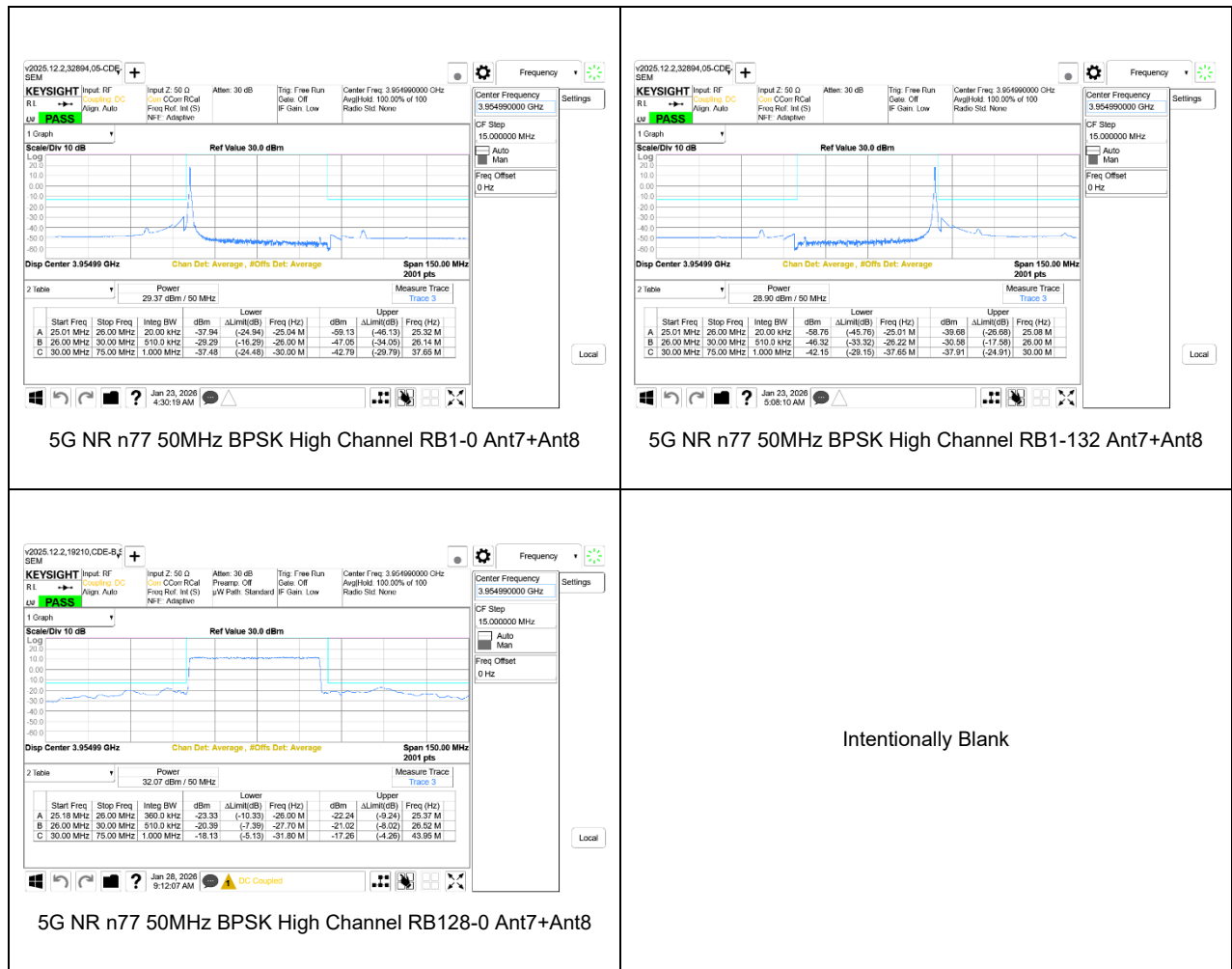
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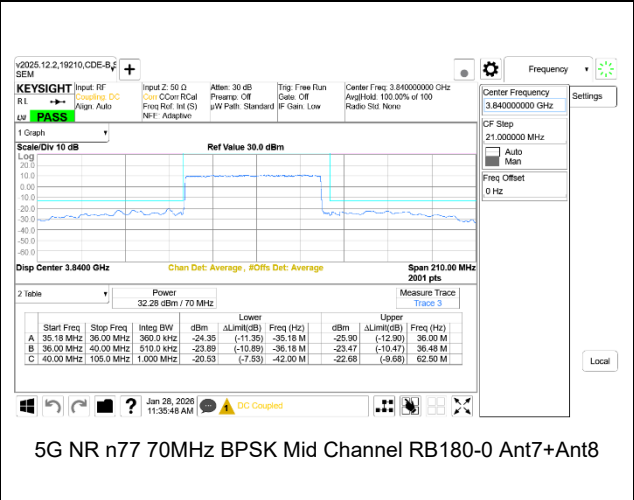
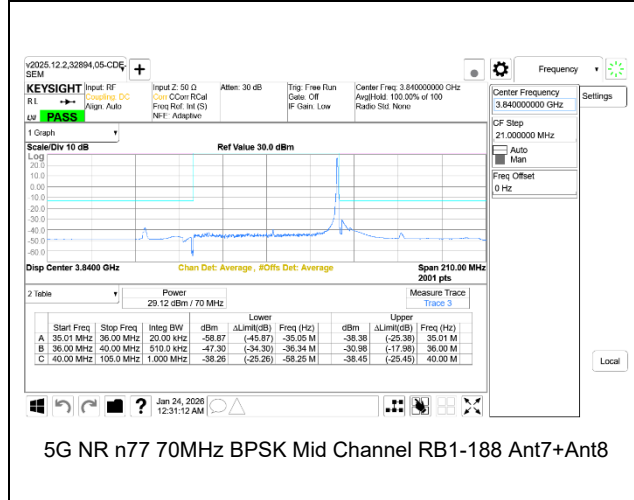
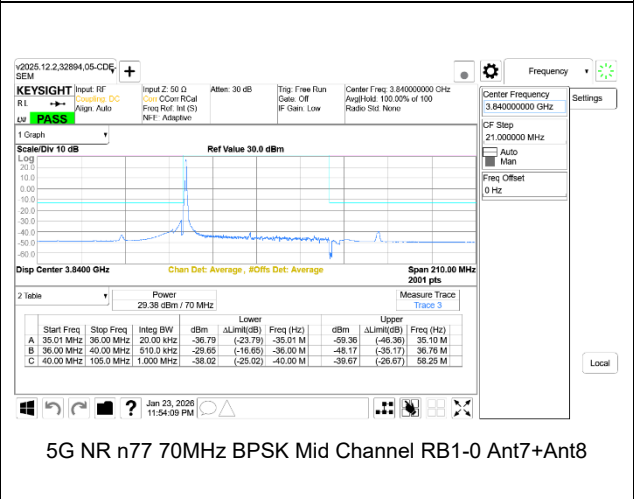
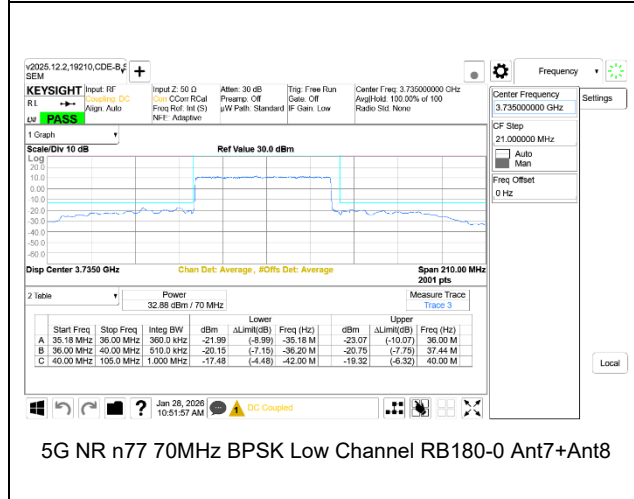
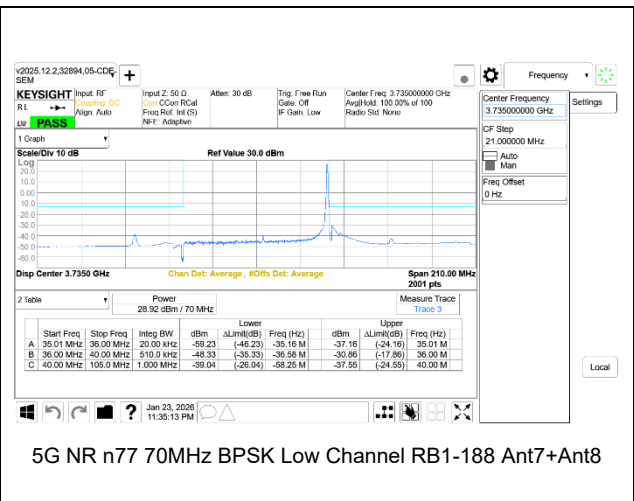
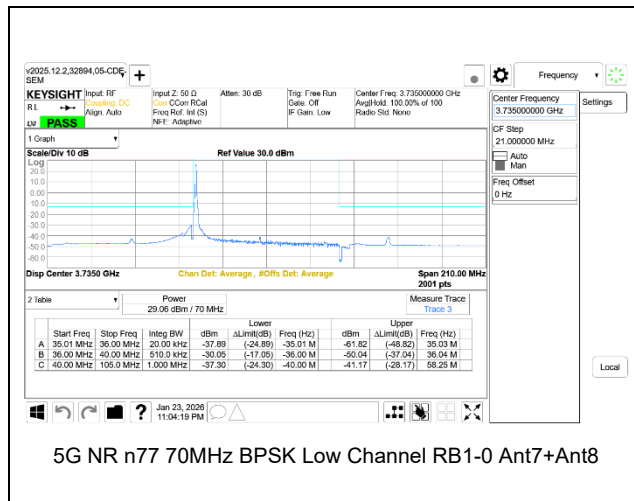


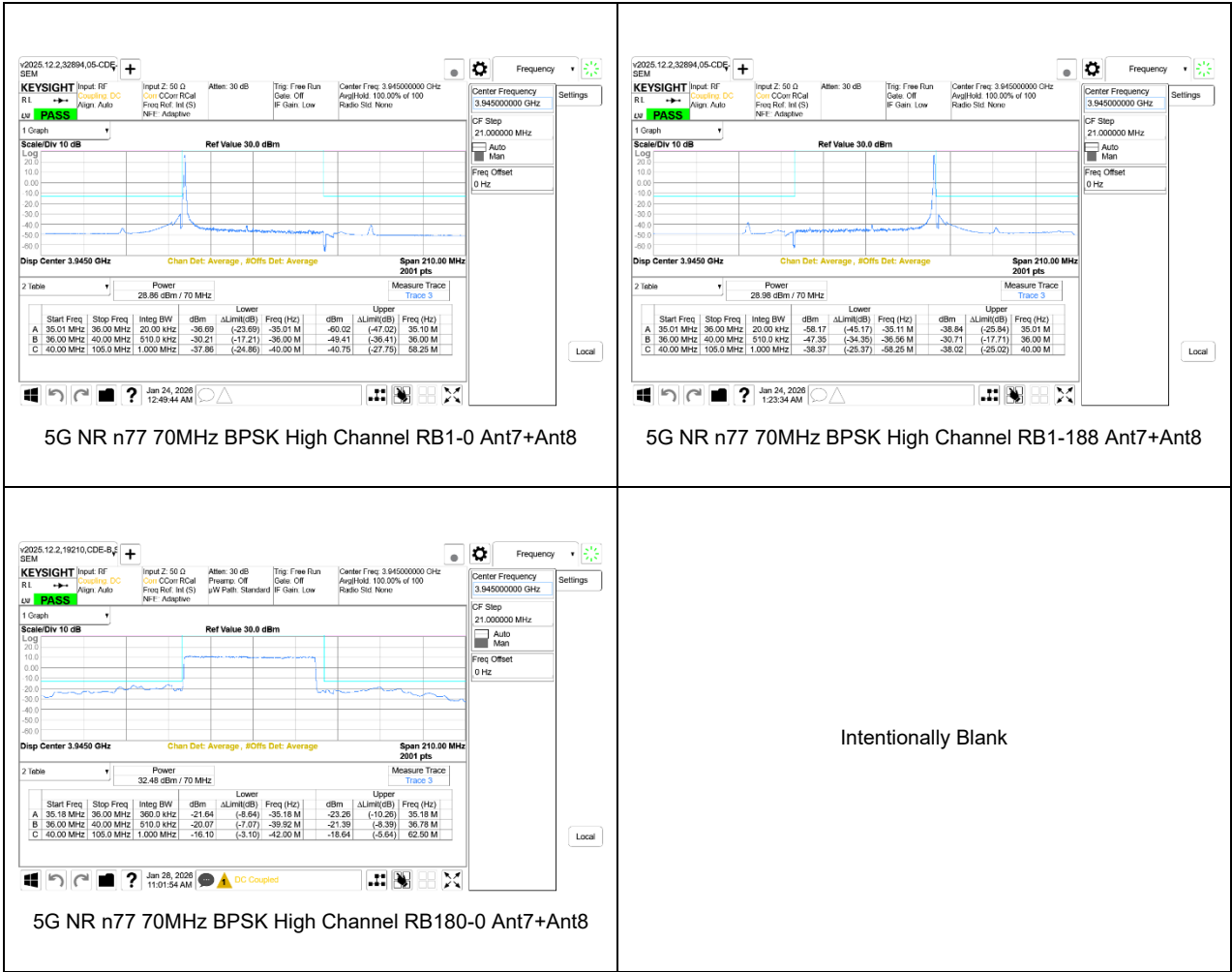




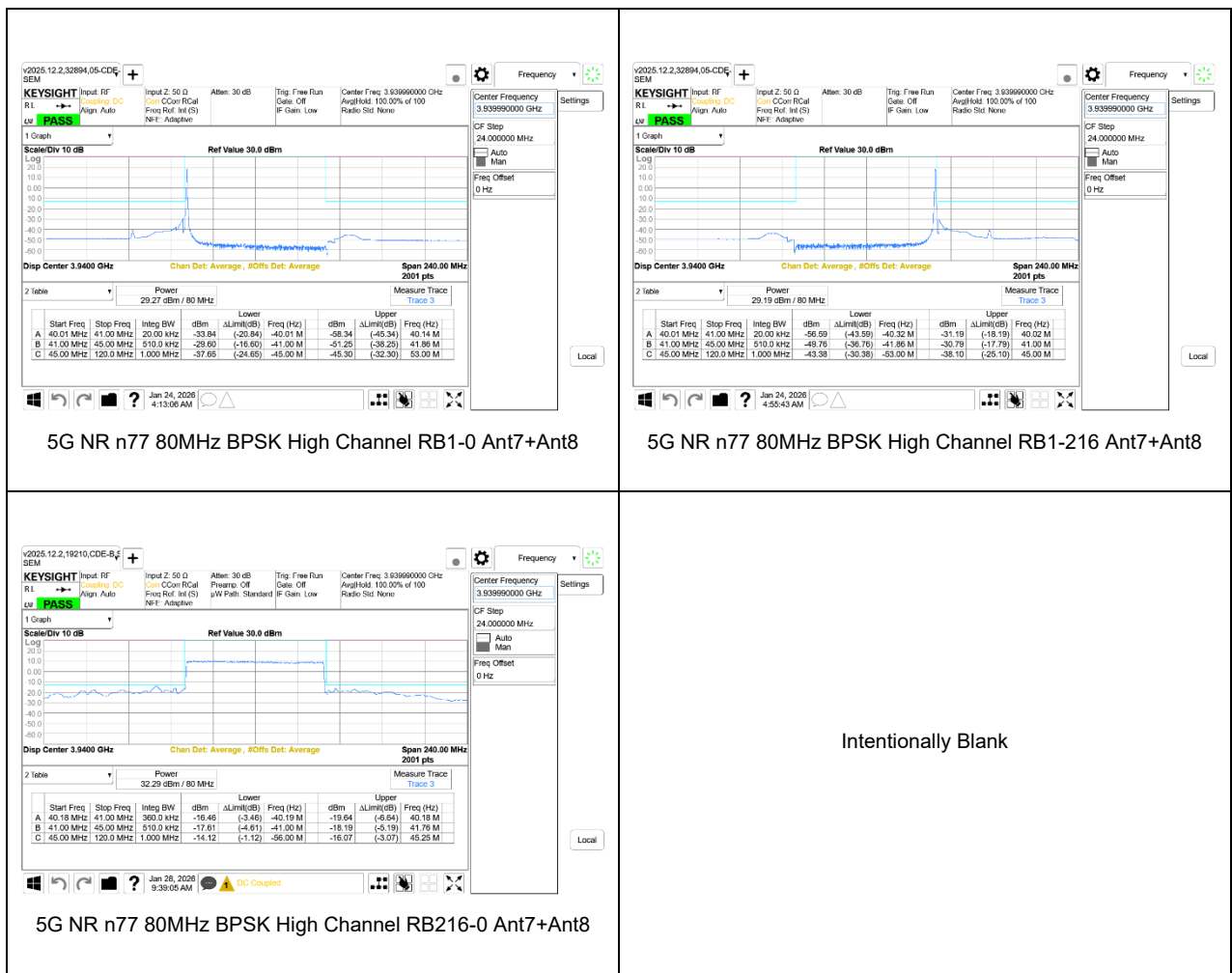




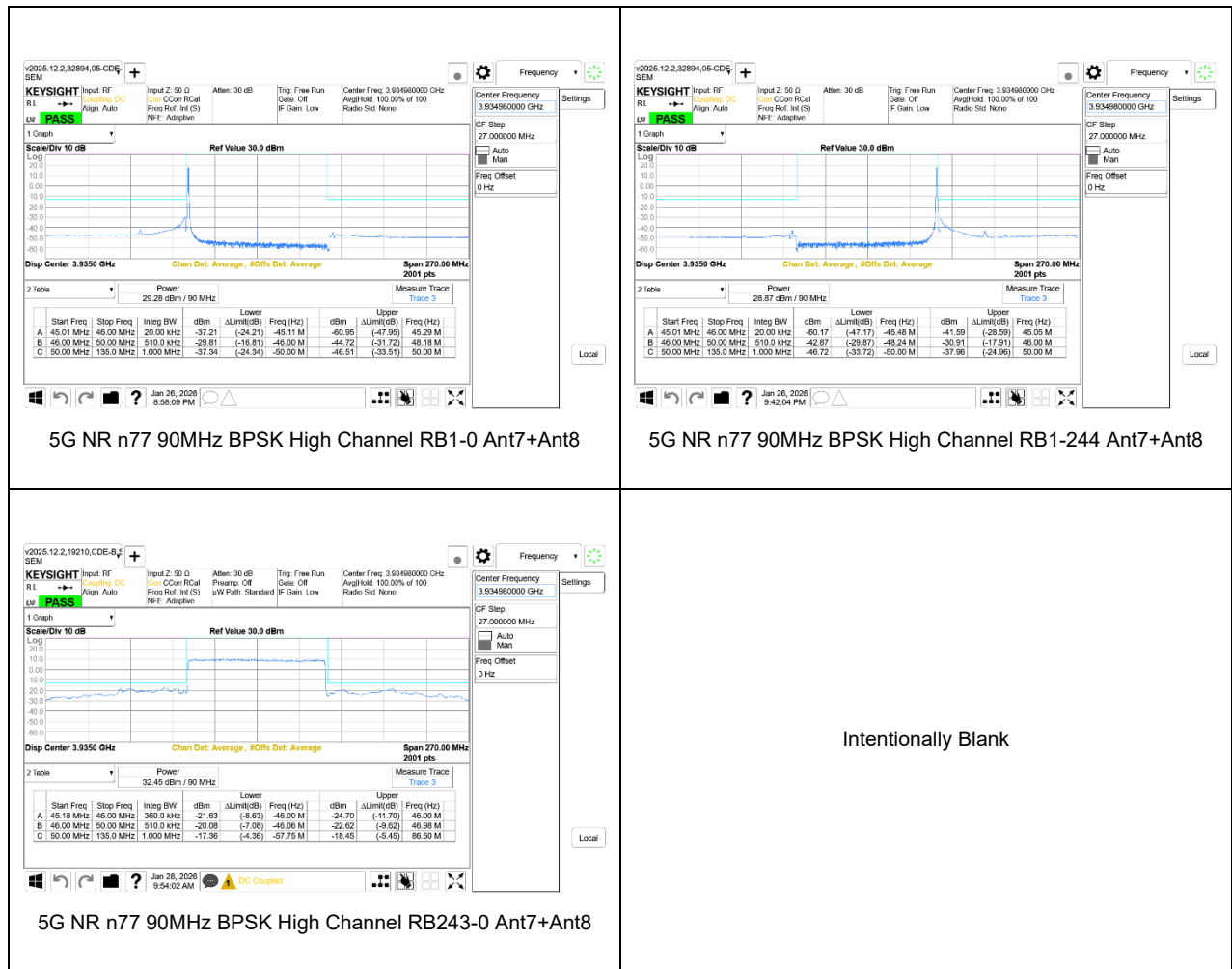
















9.3. OUT OF BAND EMISSIONS

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.

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.

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.

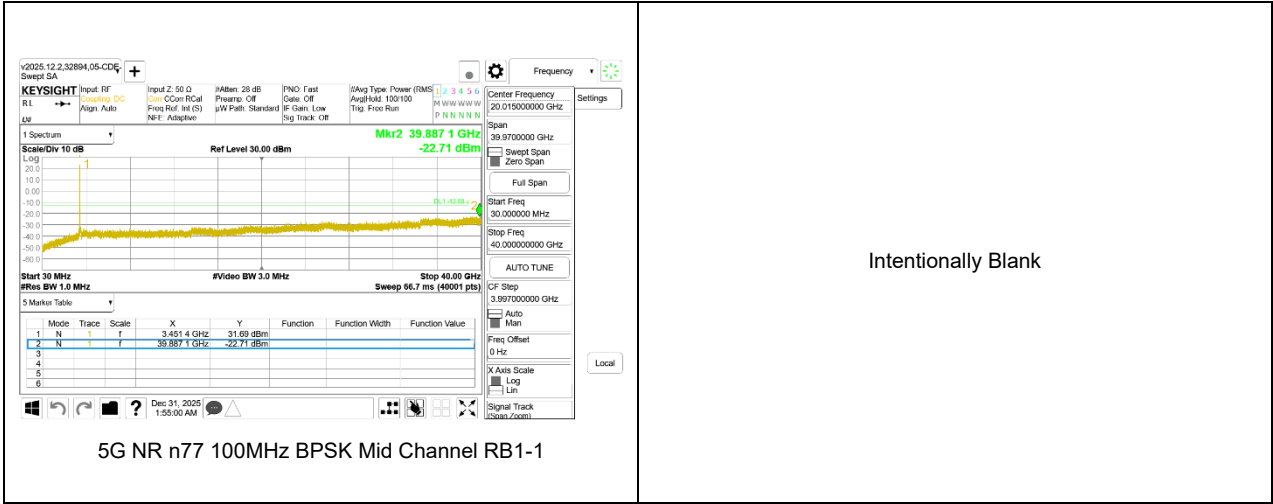
For each out of band emissions measurement:

- 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)

For MIMO modes are made using the measure and sum the spectra method E3)a)ii) / E)2)a) from KDB 662911 D01. The measurements for each antenna are stored in separate traces (i.e. trace 1/port A and trace 2/port B). The spectrum analyzer's math function is used to perform a linear sum of powers of the two traces and store the result in trace 3/port A+B. Trace 3/port A+B is compared to the in-band or out of band limit as applicable.

RESULTS

9.3.1. 5G NR n77 (FCC Part 27 3450-3550MHz, SISO)



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

