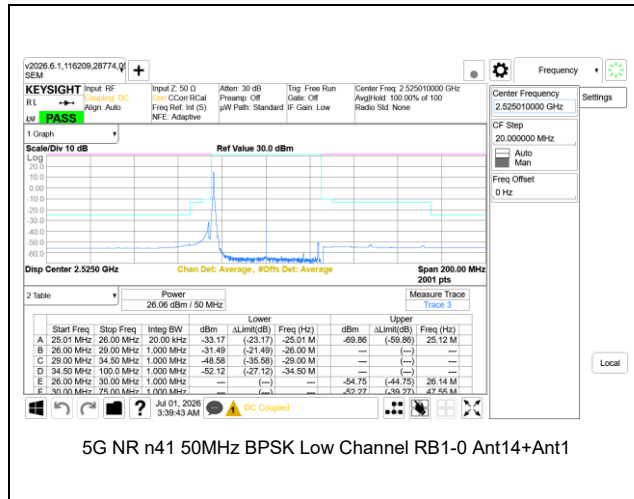
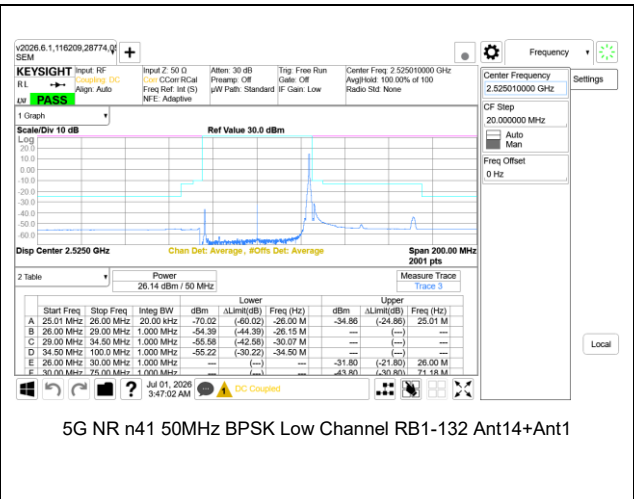
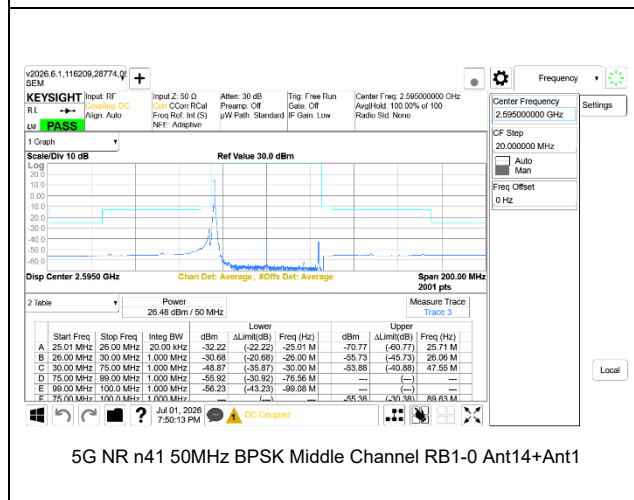




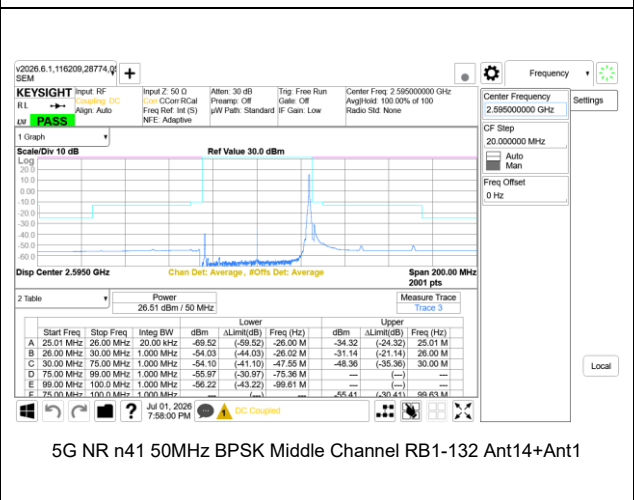
5G NR n41 50MHz BPSK Low Channel RB1-0 Ant14+Ant1



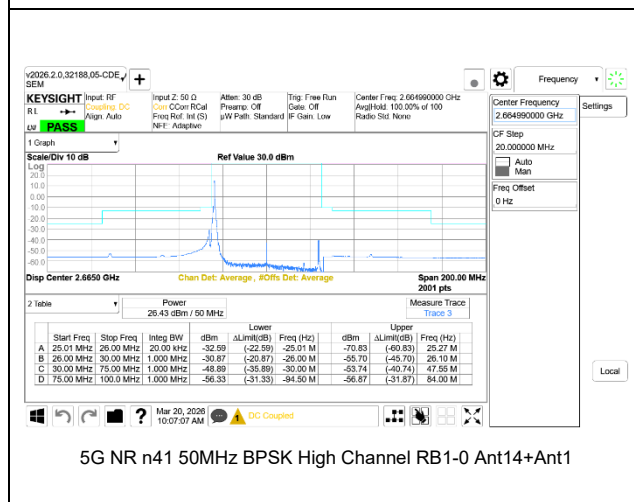
5G NR n41 50MHz BPSK Low Channel RB1-132 Ant14+Ant1



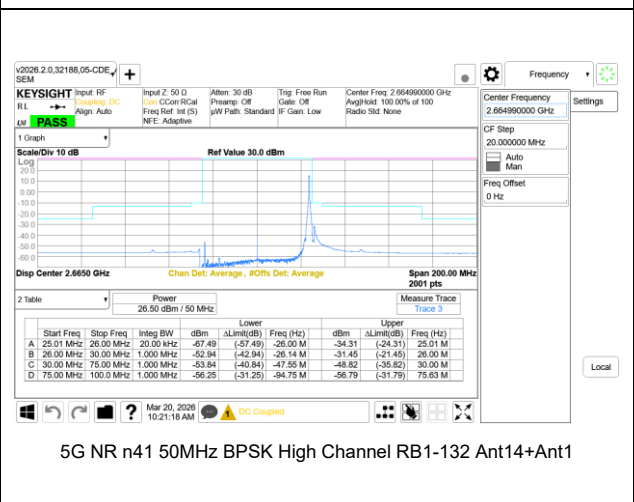
5G NR n41 50MHz BPSK Middle Channel RB1-0 Ant14+Ant1



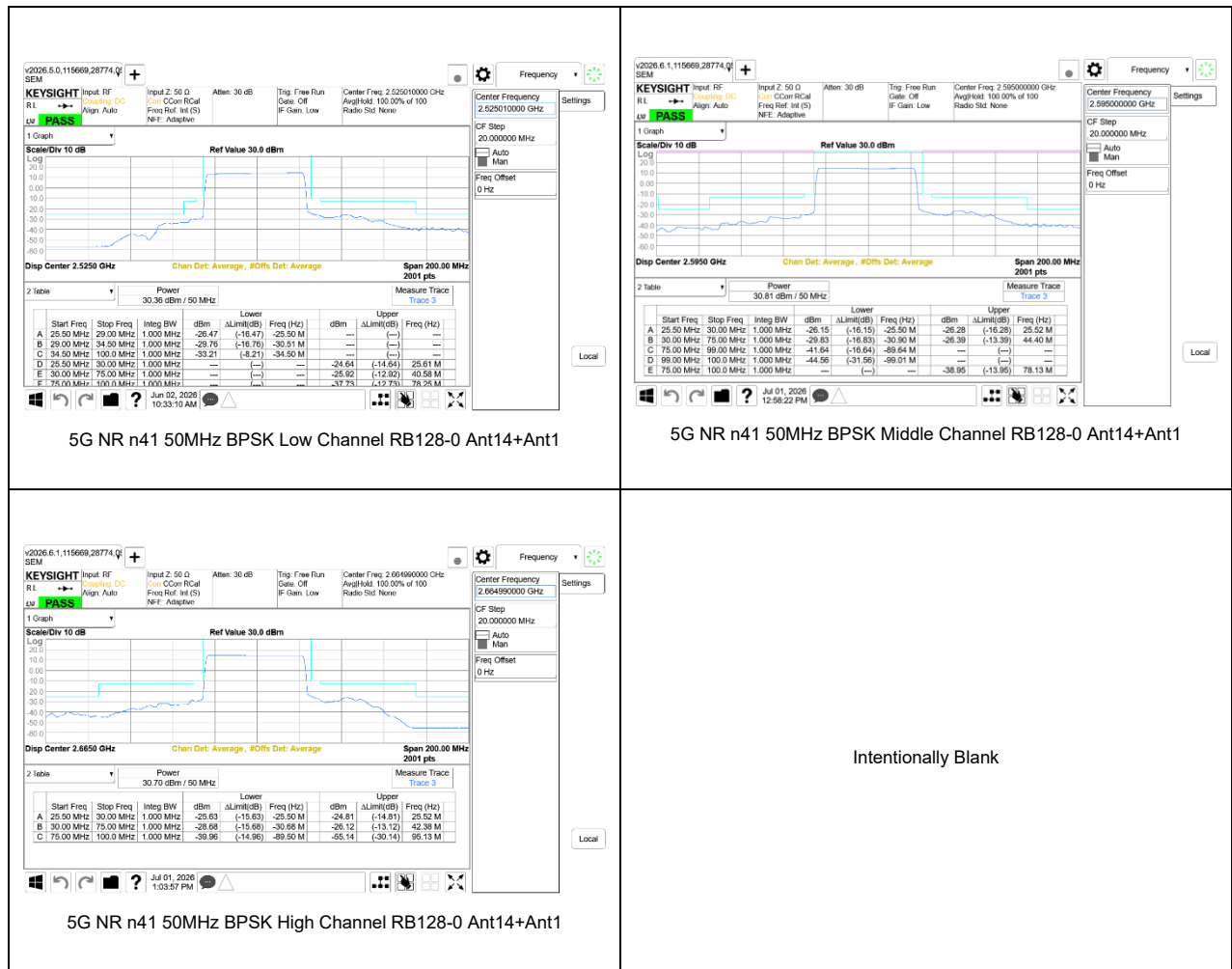
5G NR n41 50MHz BPSK Middle Channel RB1-132 Ant14+Ant1



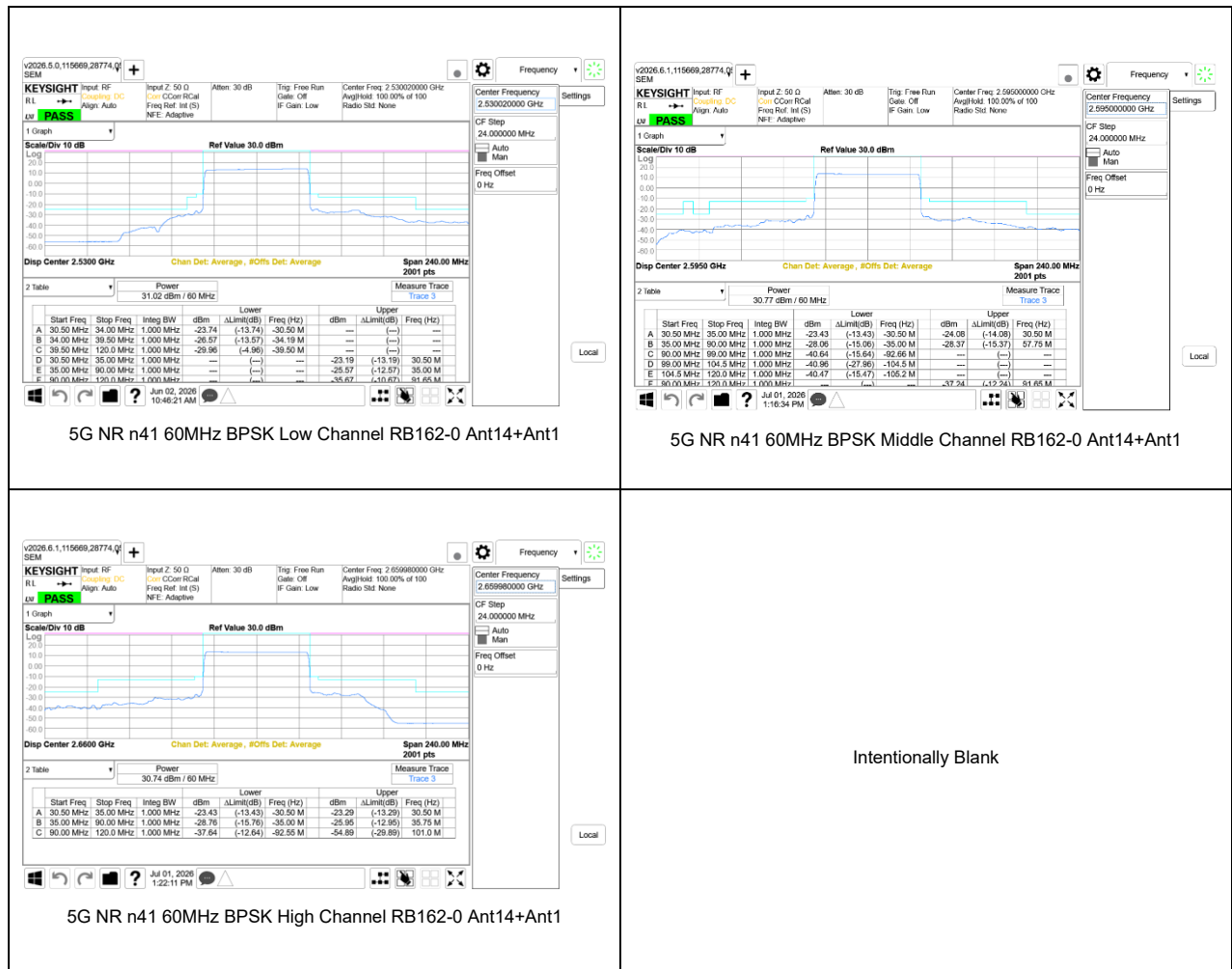
5G NR n41 50MHz BPSK High Channel RB1-0 Ant14+Ant1

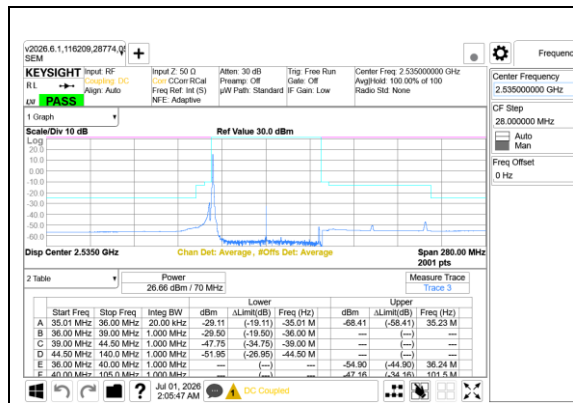


5G NR n41 50MHz BPSK High Channel RB1-132 Ant14+Ant1

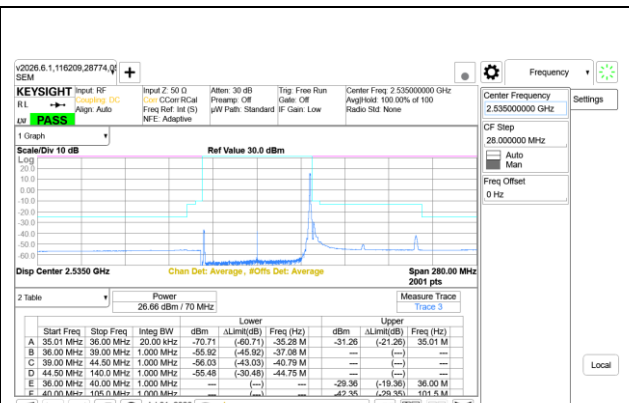




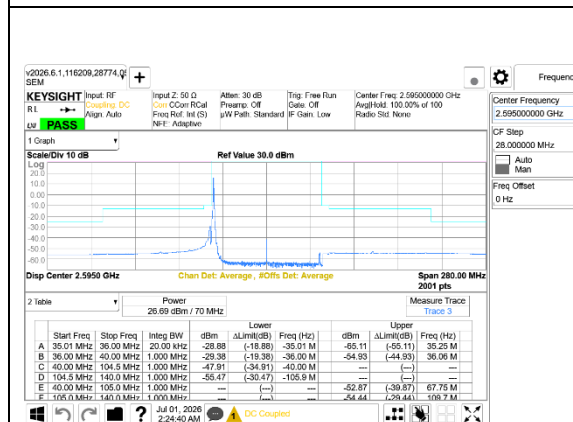




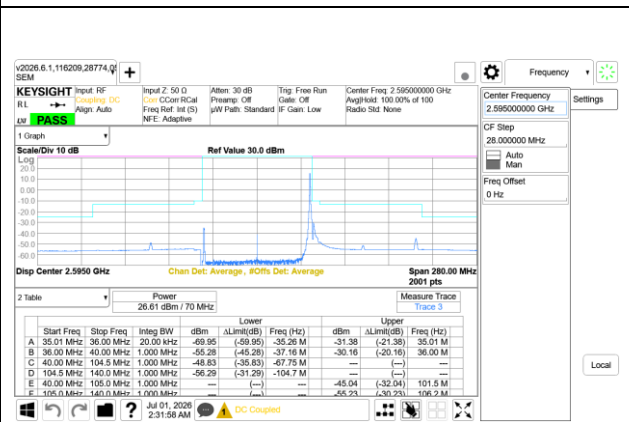
5G NR n41 70MHz BPSK Low Channel RB1-0 Ant14+Ant1



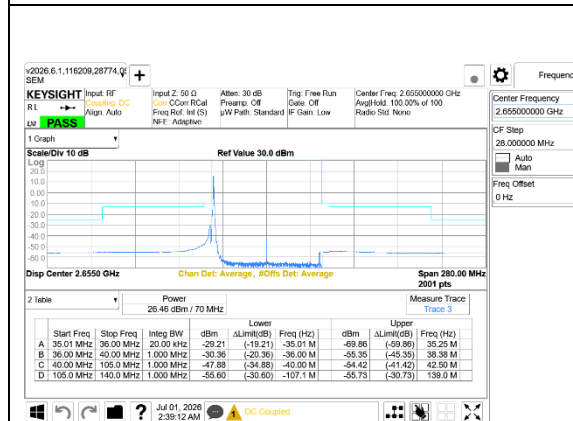
5G NR n41 70MHz BPSK Low Channel RB1-188 Ant14+Ant1



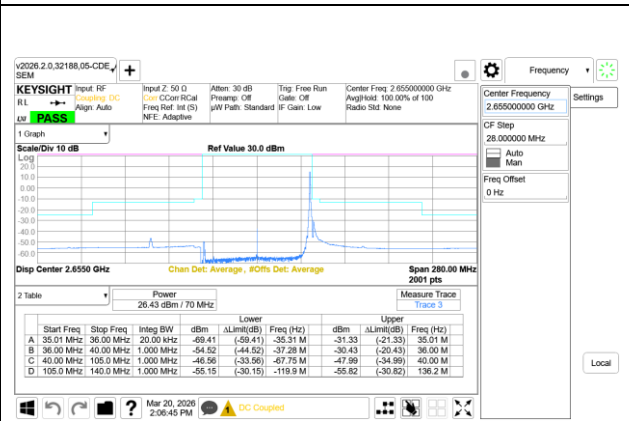
5G NR n41 70MHz BPSK Middle Channel RB1-0 Ant14+Ant1



5G NR n41 70MHz BPSK Middle Channel RB1-188 Ant14+Ant1

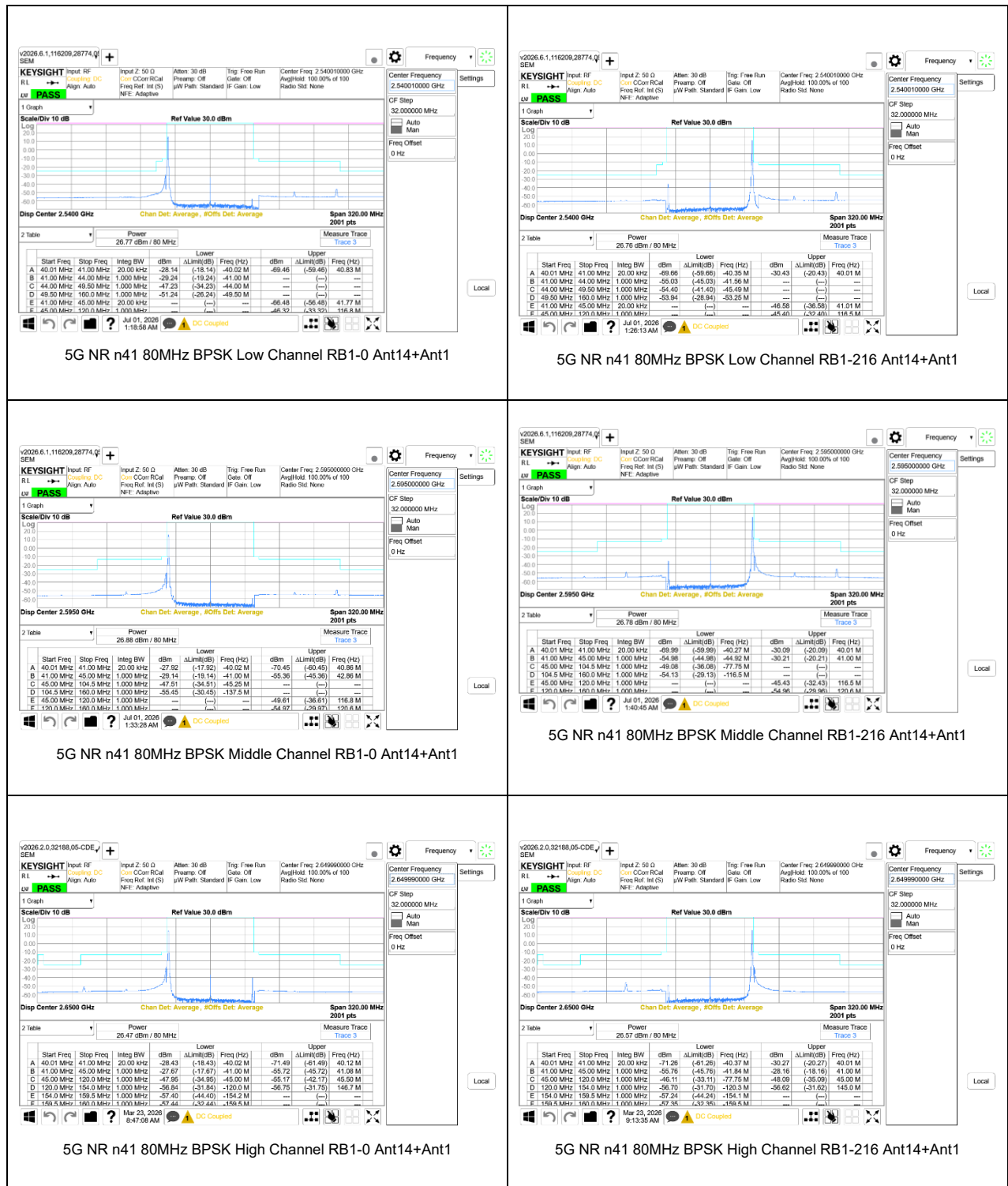


5G NR n41 70MHz BPSK High Channel RB1-0 Ant14+Ant1

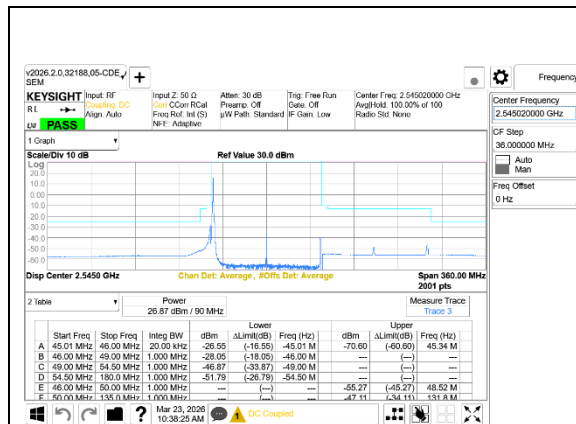


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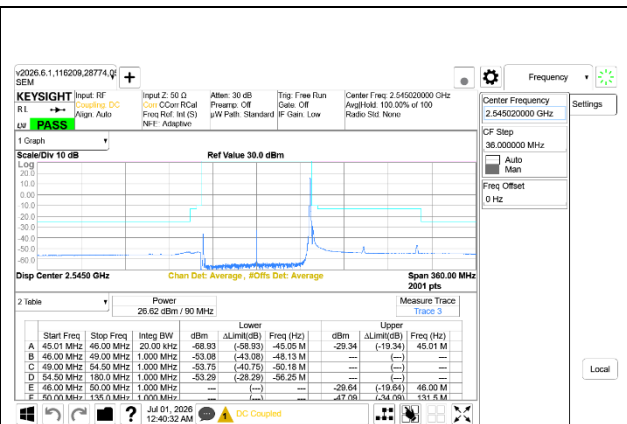




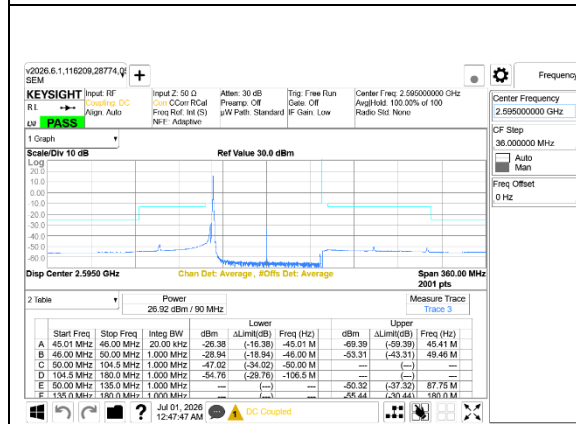




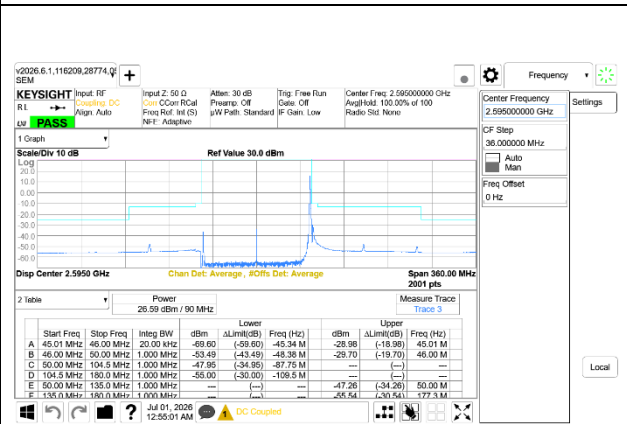
5G NR n41 90MHz BPSK Low Channel RB1-0 Ant14+Ant1



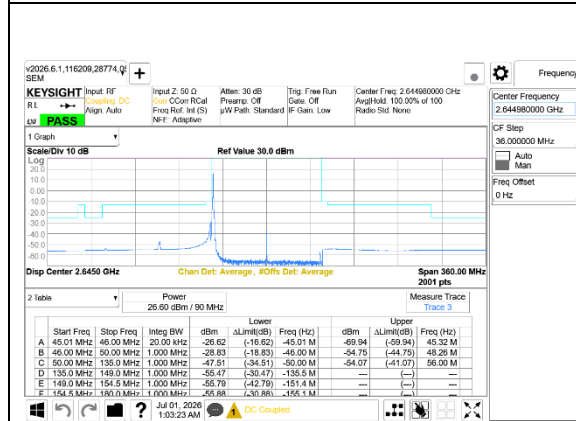
5G NR n41 90MHz BPSK Low Channel RB1-244 Ant14+Ant1



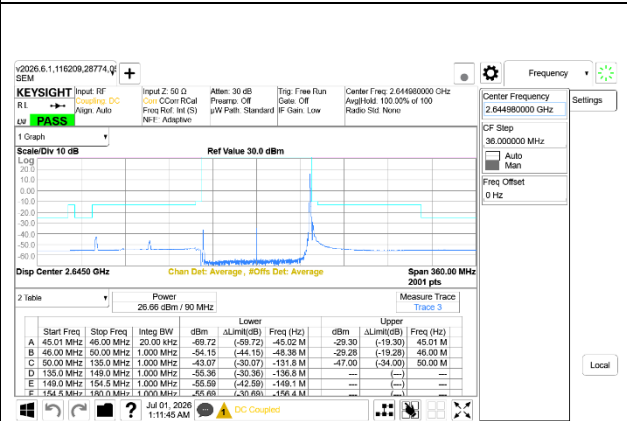
5G NR n41 90MHz BPSK Middle Channel RB1-0 Ant14+Ant1



5G NR n41 90MHz BPSK Middle Channel RB1-244 Ant14+Ant1



5G NR n41 90MHz BPSK High Channel RB1-0 Ant14+Ant1



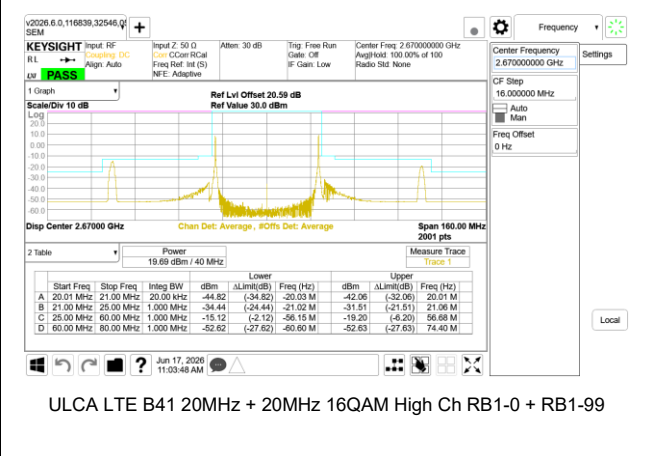
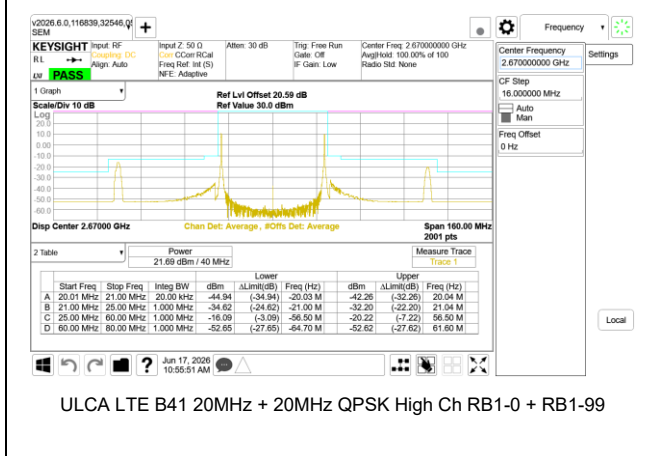
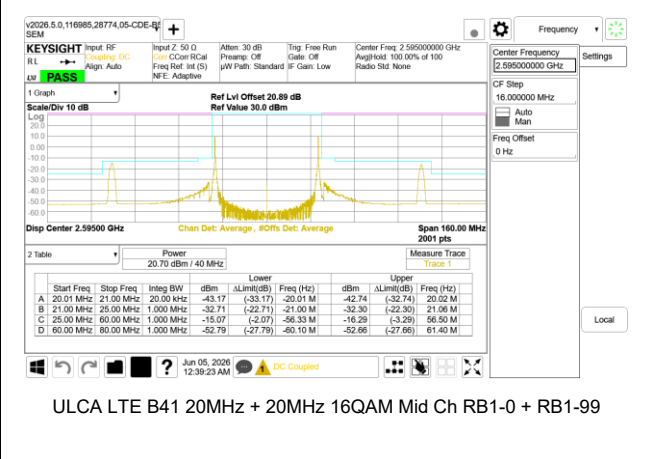
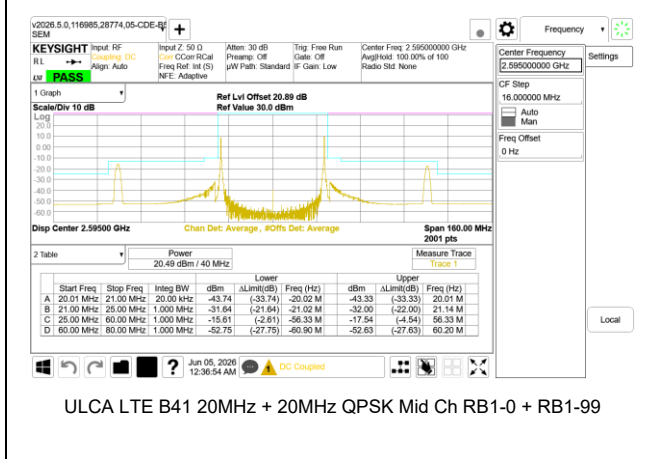
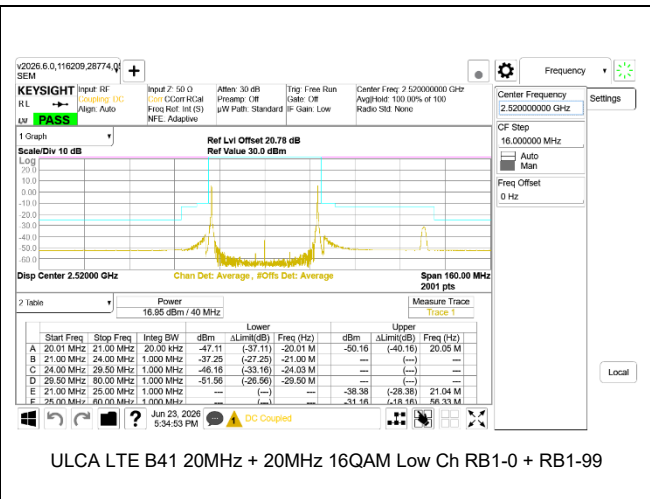
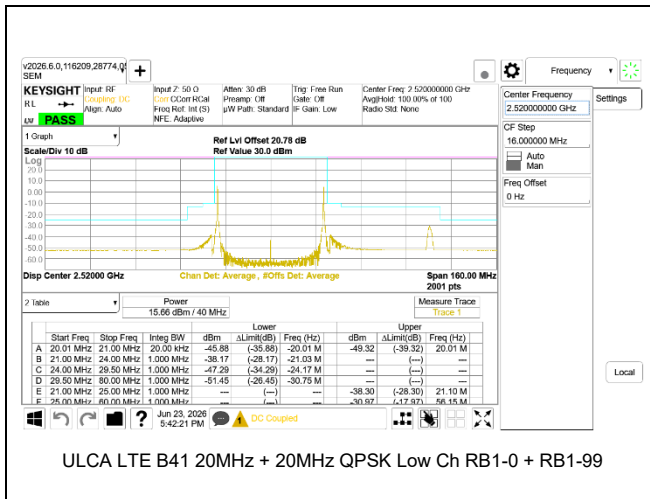
5G NR n41 90MHz BPSK High Channel RB1-244 Ant14+Ant1

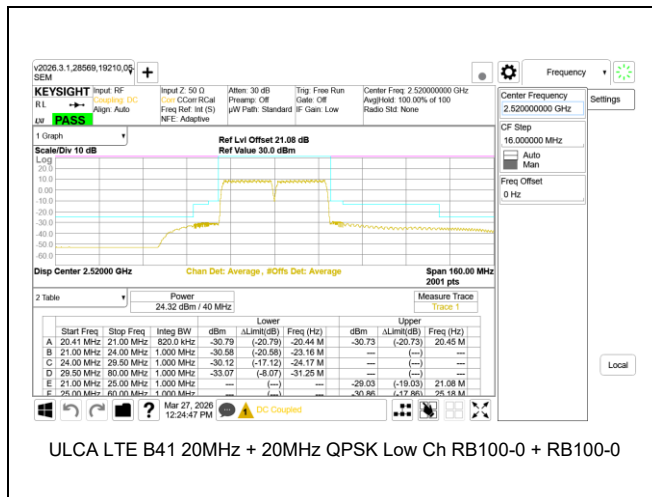




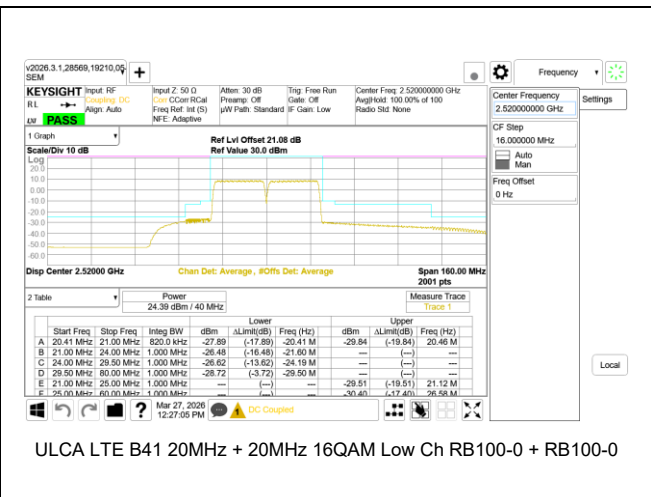


9.2.11. ULCA LTE BAND 41 (IC)

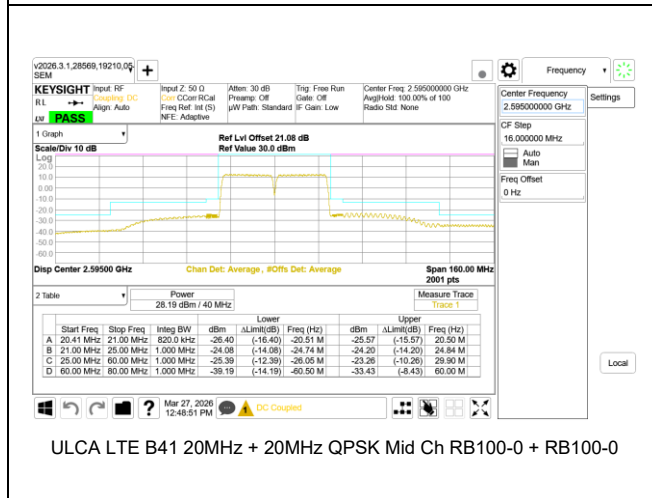




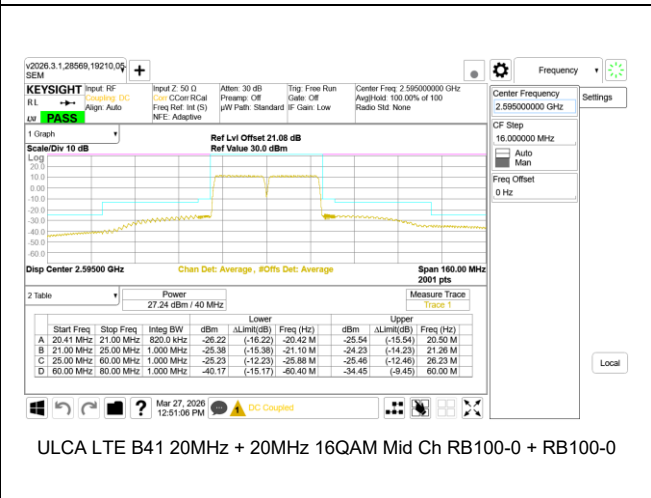
ULCA LTE B41 20MHz + 20MHz QPSK Low Ch RB100-0 + RB100-0



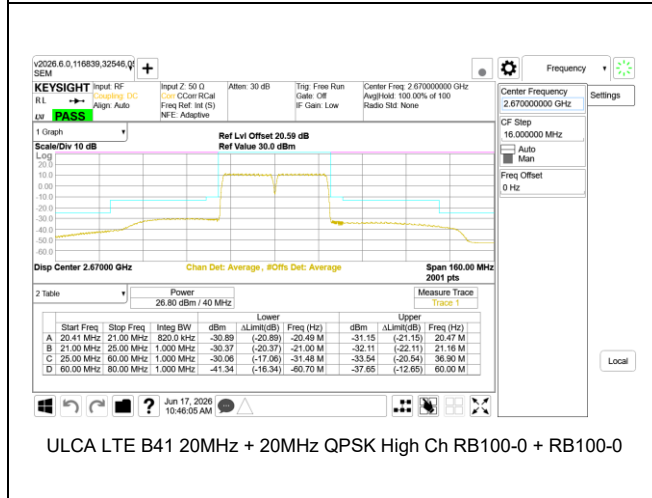
ULCA LTE B41 20MHz + 20MHz 16QAM Low Ch RB100-0 + RB100-0



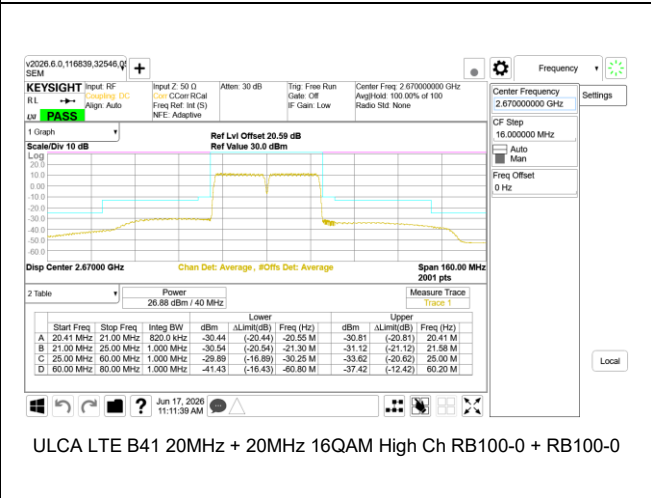
ULCA LTE B41 20MHz + 20MHz QPSK Mid Ch RB100-0 + RB100-0



ULCA LTE B41 20MHz + 20MHz 16QAM Mid Ch RB100-0 + RB100-0



ULCA LTE B41 20MHz + 20MHz QPSK High Ch RB100-0 + RB100-0



ULCA LTE B41 20MHz + 20MHz 16QAM High Ch RB100-0 + RB100-0

9.3. OUT OF BAND EMISSIONS

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.

RSS199§5.6

The minimum permissible attenuation level of any spurious emissions is $55 + 10 \log (P)$ dB where transmitting power (P) in Watts.

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:

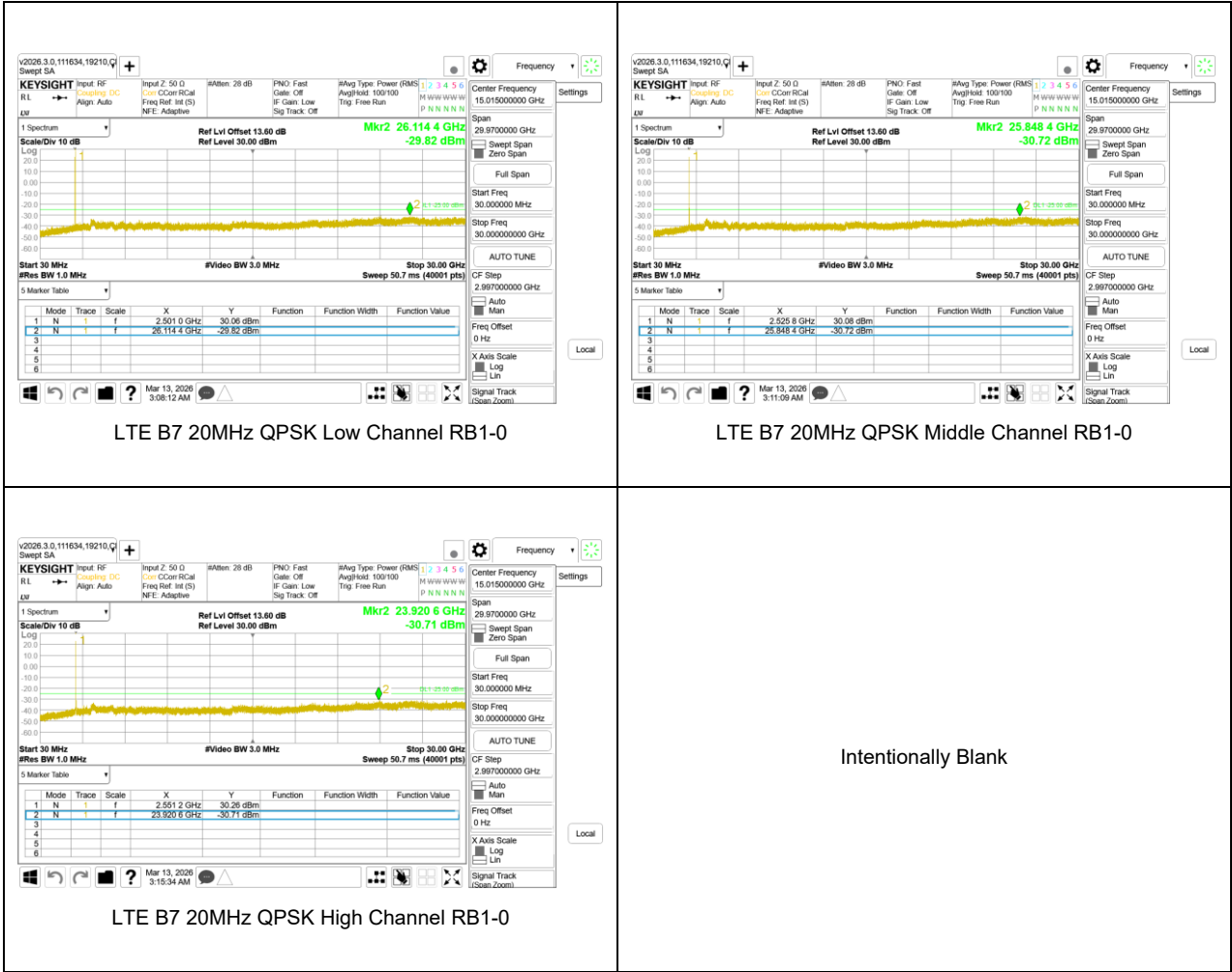
- Set display line at -25dBm according to the band Limit
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst-case set RBW/VBW to 1MHz/3MHz)

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

Note: If Keysight PXA support both AC and DC coupling, then there will be a warning condition message appearing on the status line "DC coupled". This warning message does not affect test results.

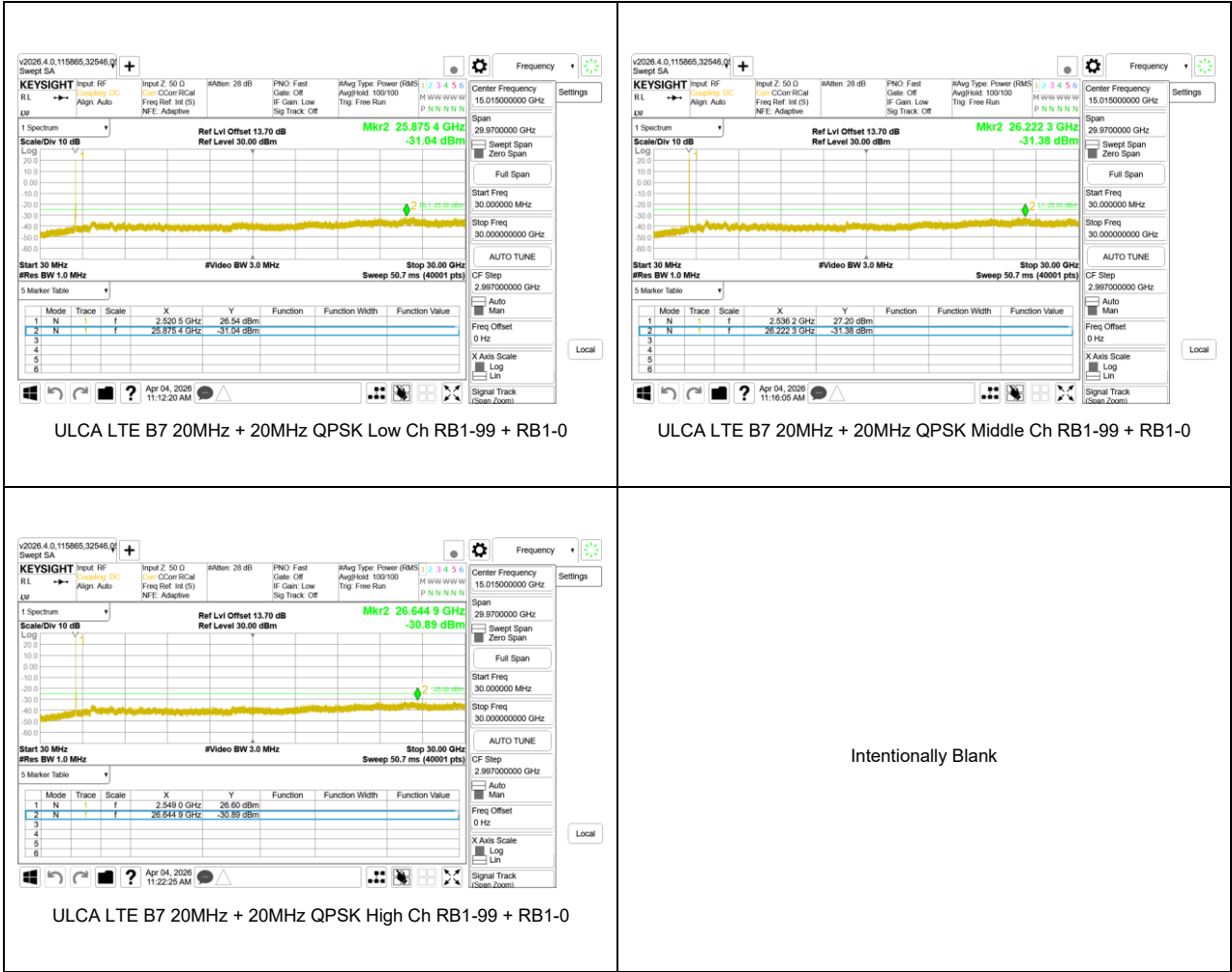
9.3.1. LTE BAND 7



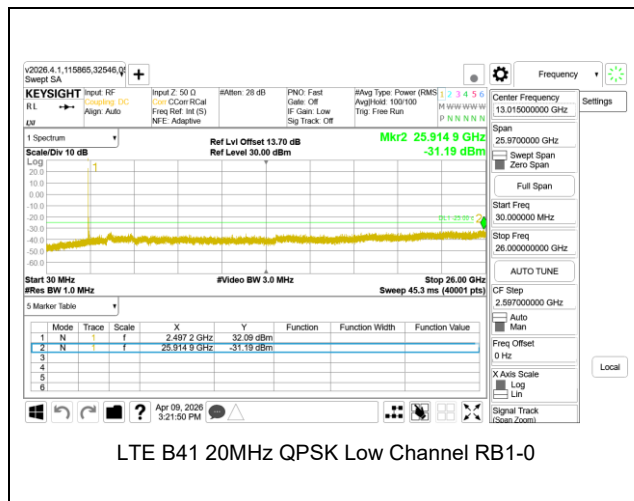
9.3.2. 5G NR n7



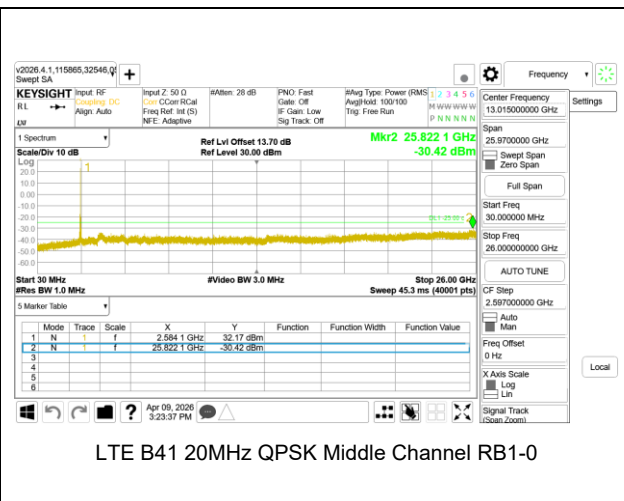
9.3.3. ULCA LTE BAND 7



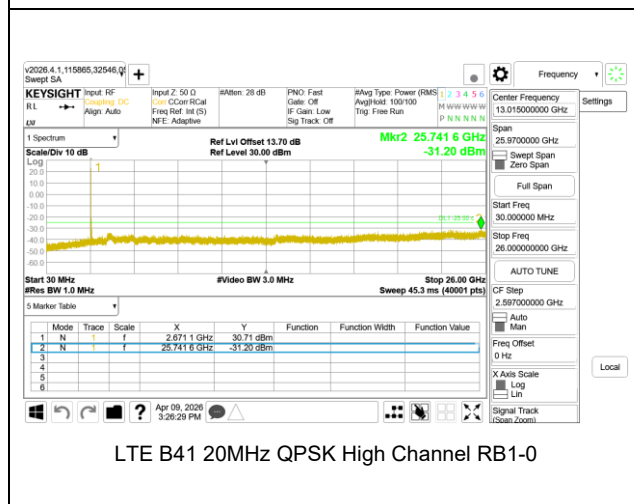
9.3.4. LTE BAND 41 (FCC)



LTE B41 20MHz QPSK Low Channel RB1-0



LTE B41 20MHz QPSK Middle Channel RB1-0



LTE B41 20MHz QPSK High Channel RB1-0

Intentionally Blank

9.3.5. 5G NR n41 (FCC SISO)

