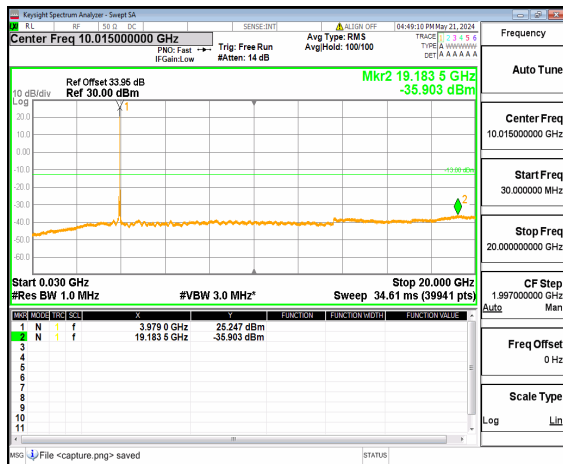
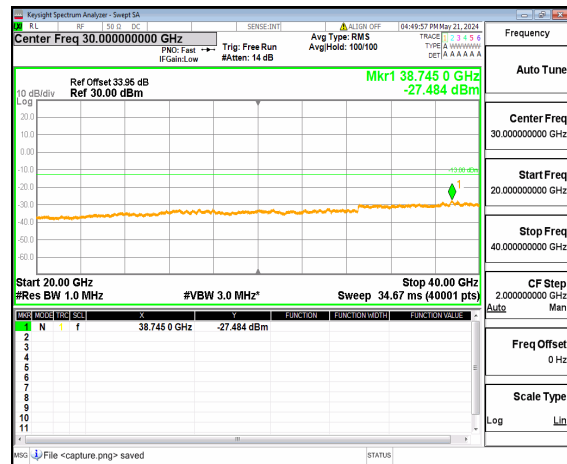
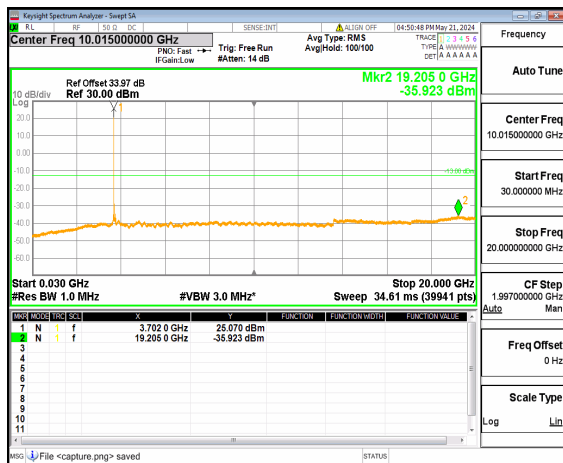
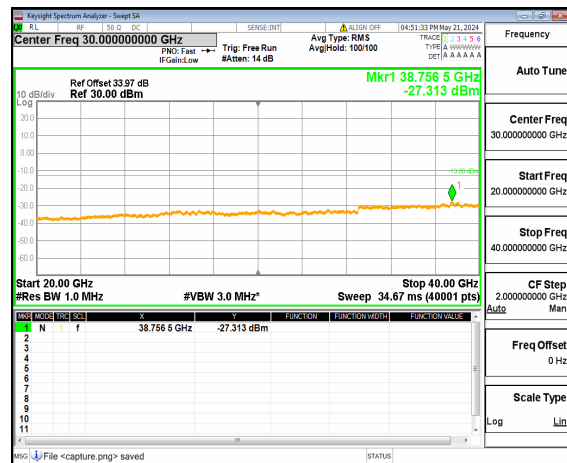
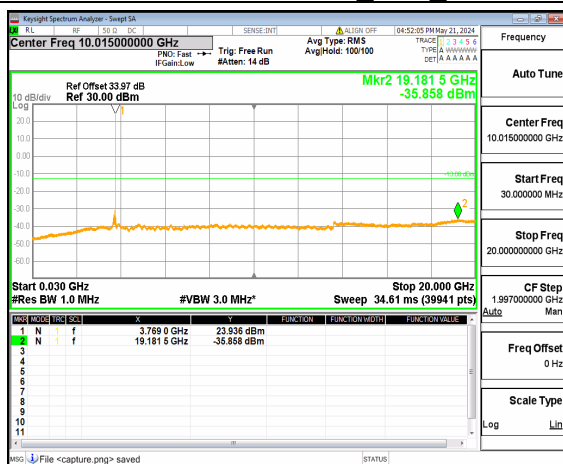
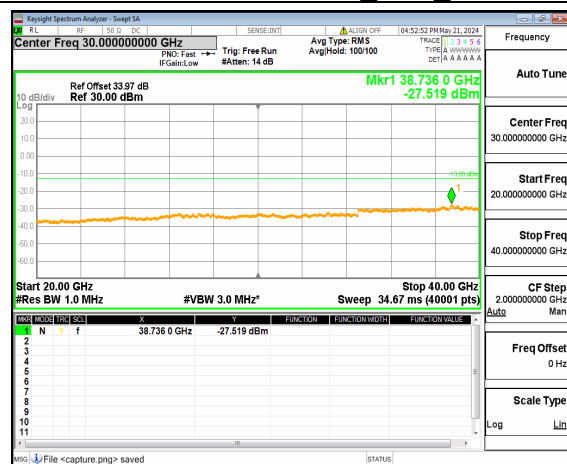
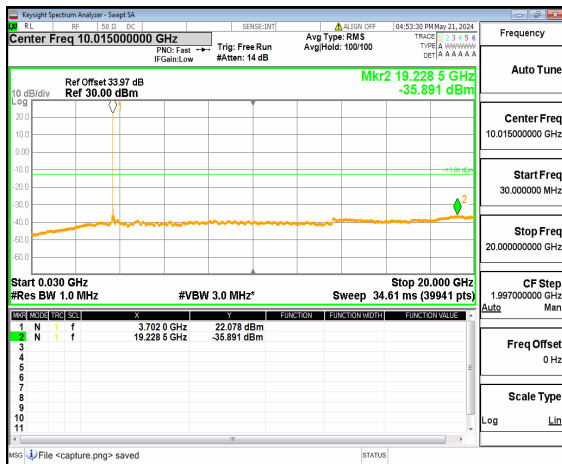
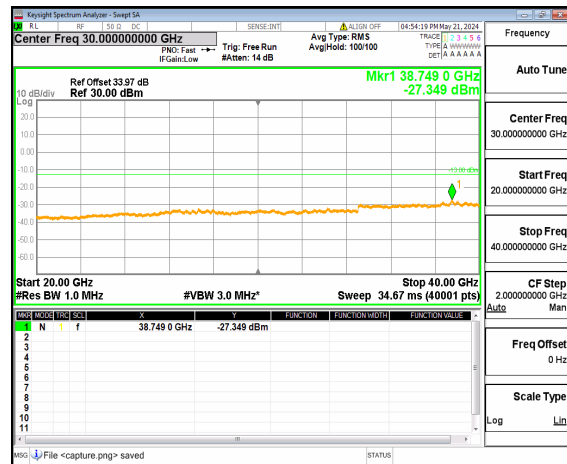
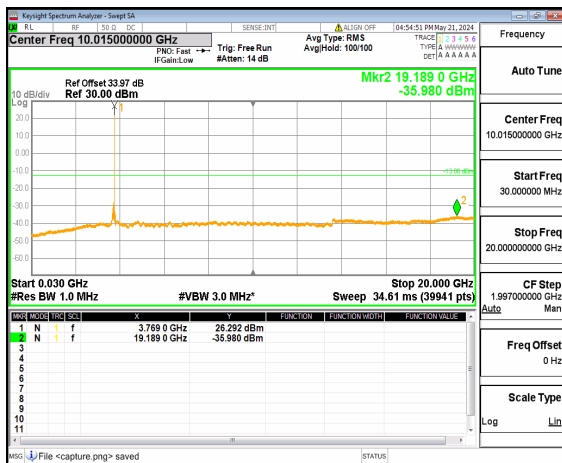
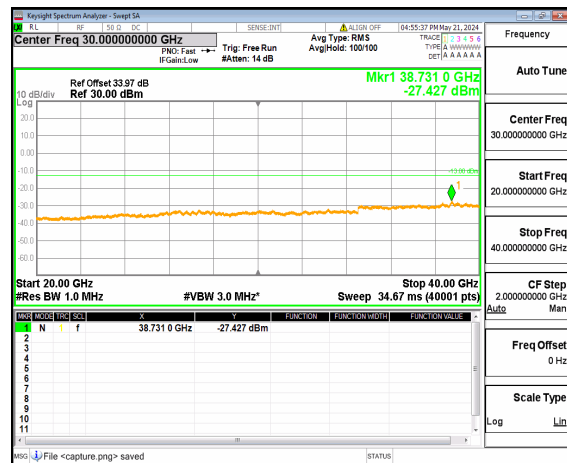
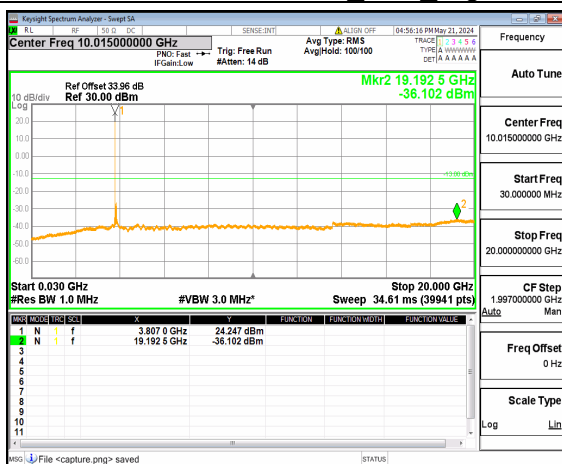
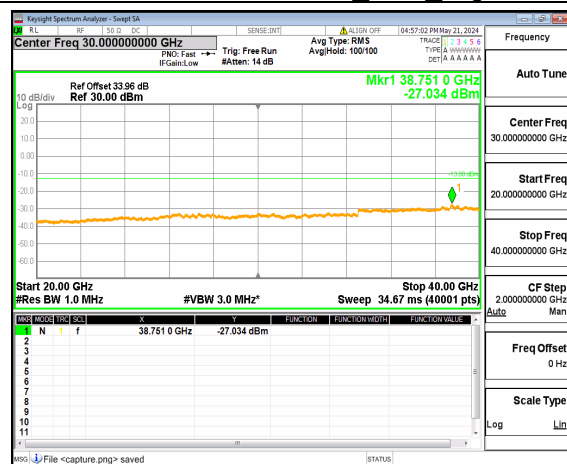
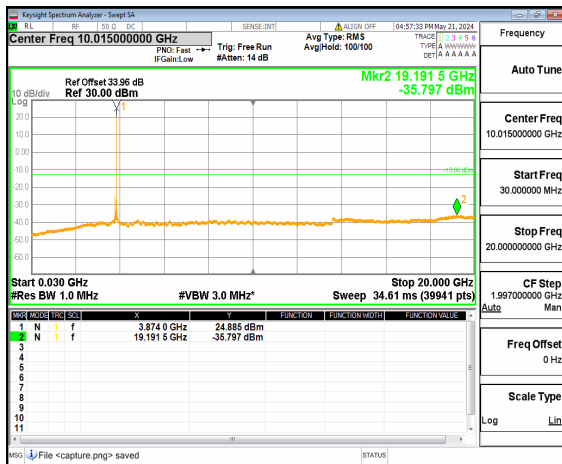
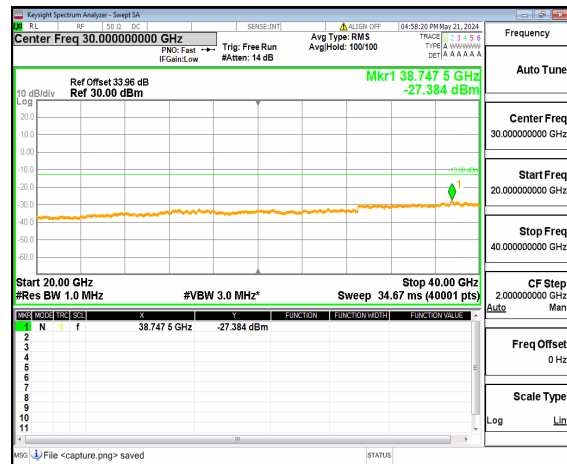


n77(3700-3980MHz) (30MHz-20GHz) 60M
DFT-s-OFDM QPSK Inner_1RB_Right Highn77(3700-3980MHz) (20GHz-40GHz) 60M
DFT-s-OFDM QPSK Inner_1RB_Right Highn77(3700-3980MHz) (30MHz-20GHz) 70M
DFT-s-OFDM BPSK Inner_1RB_Left Lown77(3700-3980MHz) (20GHz-40GHz) 70M
DFT-s-OFDM BPSK Inner_1RB_Left Lown77(3700-3980MHz) (30MHz-20GHz) 70M
DFT-s-OFDM BPSK Inner_1RB_Right Lown77(3700-3980MHz) (20GHz-40GHz) 70M
DFT-s-OFDM BPSK Inner_1RB_Right Low

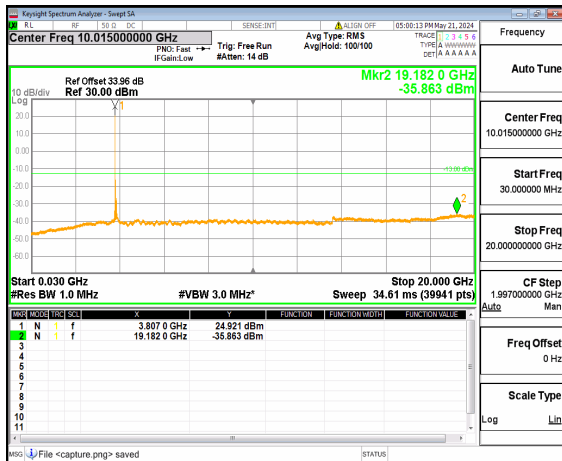
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DFT-s-OFDM QPSK Inner_1RB_Left Lown77(3700-3980MHz) (20GHz-40GHz) 70M
DFT-s-OFDM QPSK Inner_1RB_Left Lown77(3700-3980MHz) (30MHz-20GHz) 70M
DFT-s-OFDM QPSK Inner_1RB_Right Lown77(3700-3980MHz) (20GHz-40GHz) 70M
DFT-s-OFDM QPSK Inner_1RB_Right Lown77(3700-3980MHz) (30MHz-20GHz) 70M
DFT-s-OFDM BPSK Inner_1RB_Left Midn77(3700-3980MHz) (20GHz-40GHz) 70M
DFT-s-OFDM BPSK Inner_1RB_Left Mid



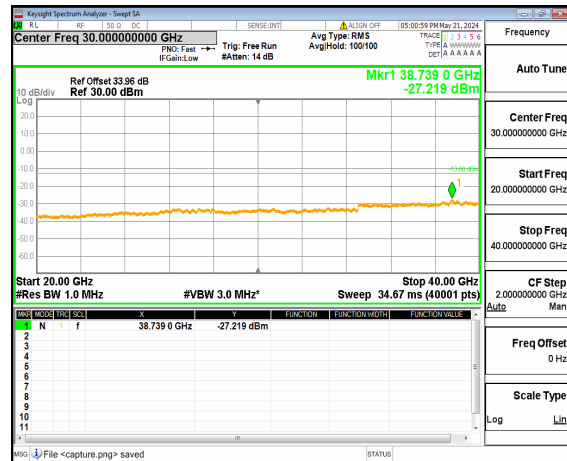
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DFT-s-OFDM BPSK Inner_1RB_Right Mid



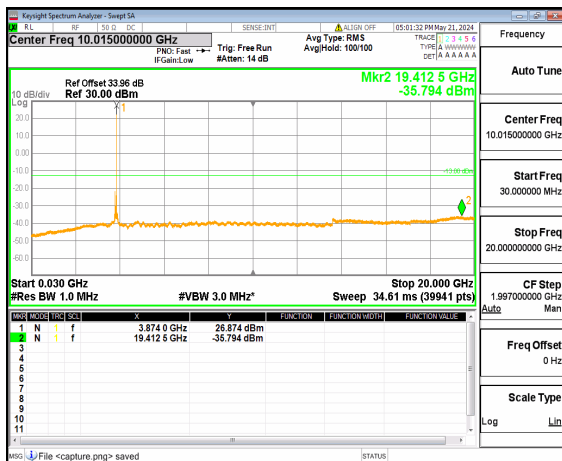
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DFT-s-OFDM BPSK Inner_1RB_Right Mid



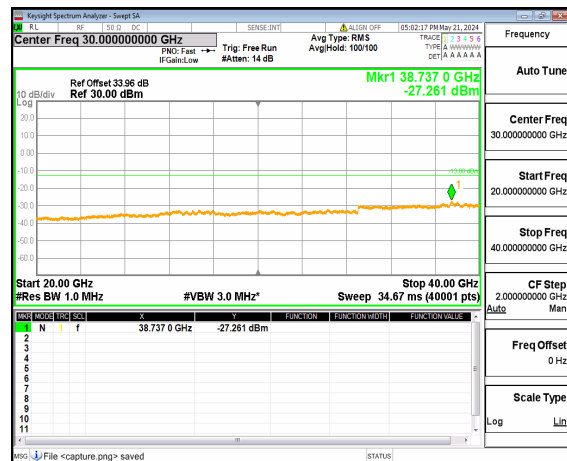
n77(3700-3980MHz) (30MHz-20GHz) 70M
DFT-s-OFDM QPSK Inner_1RB_Left Mid



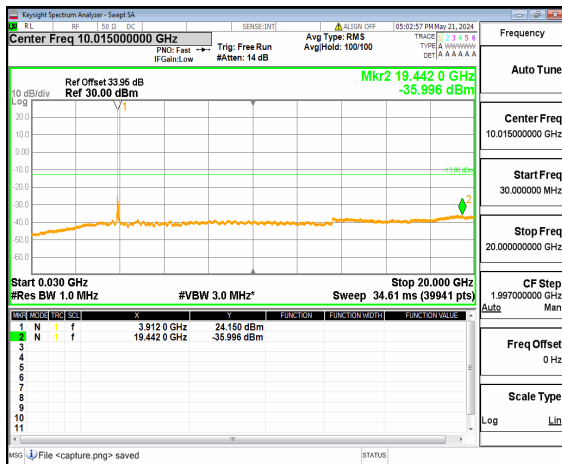
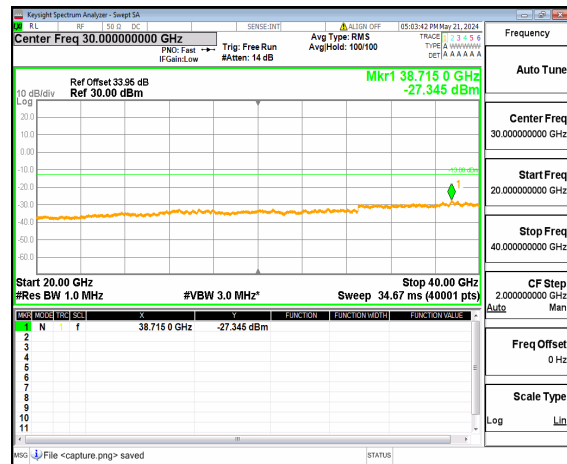
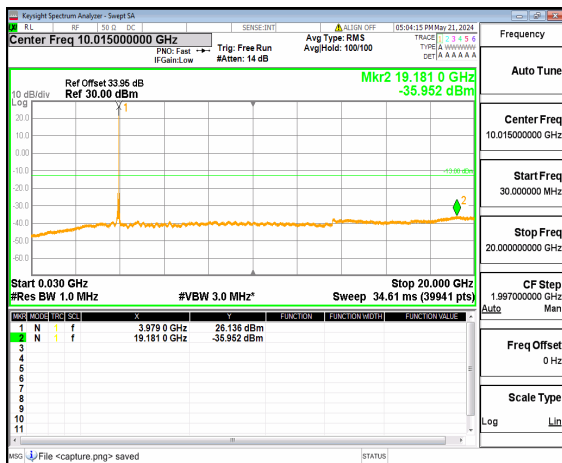
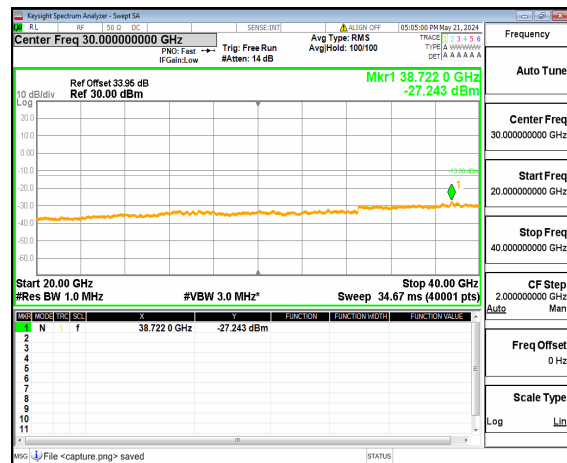
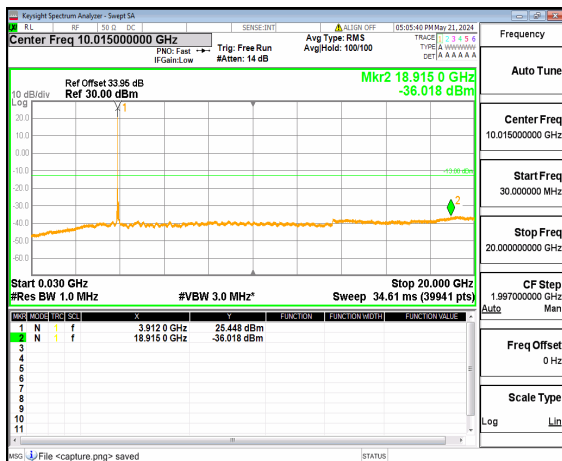
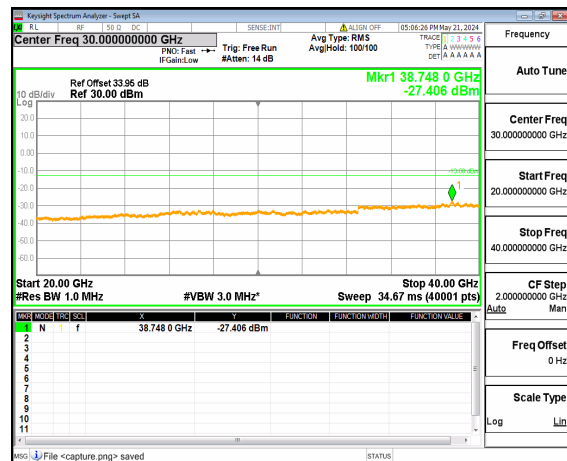
n77(3700-3980MHz) (20GHz-40GHz) 70M
DFT-s-OFDM QPSK Inner_1RB_Left Mid

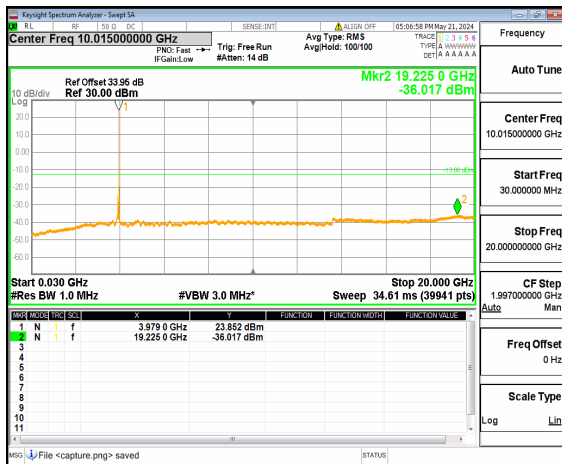
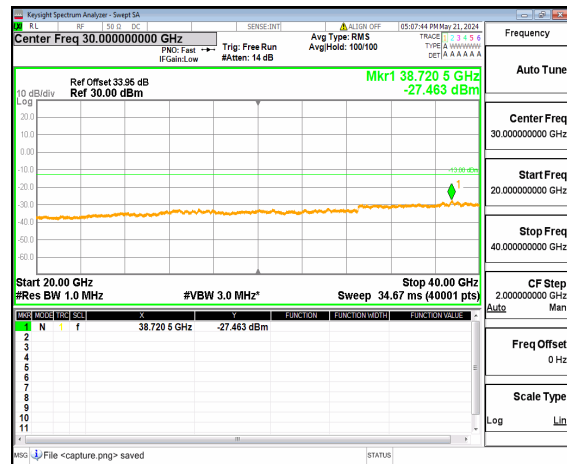
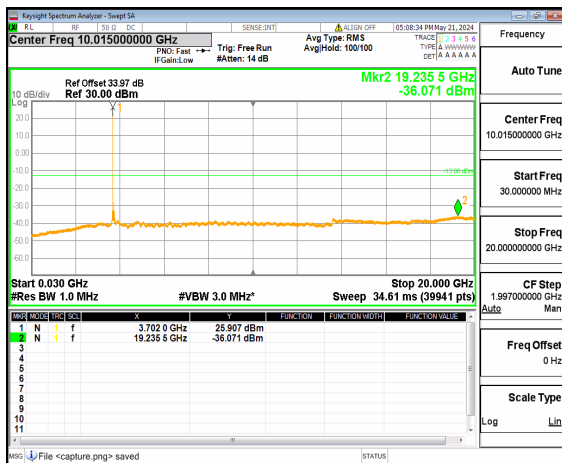
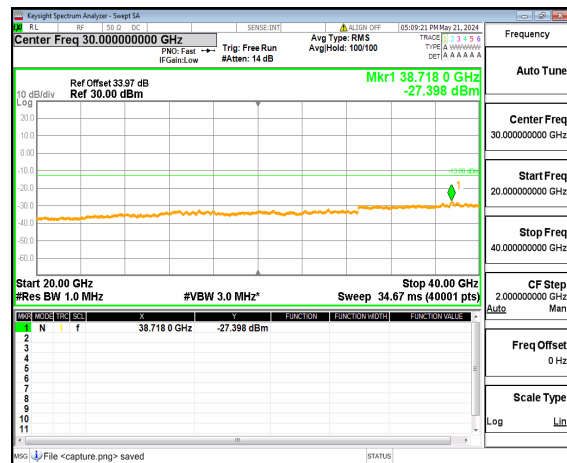
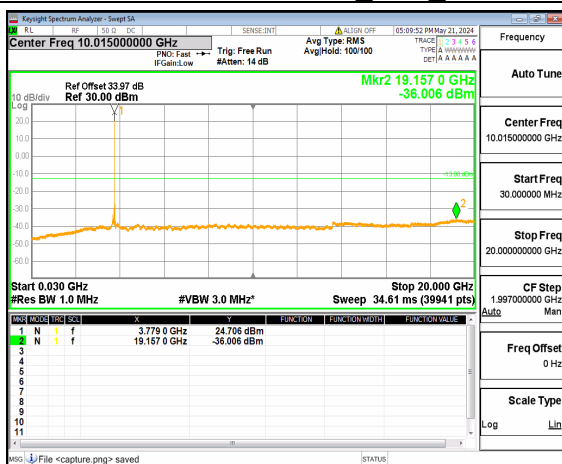
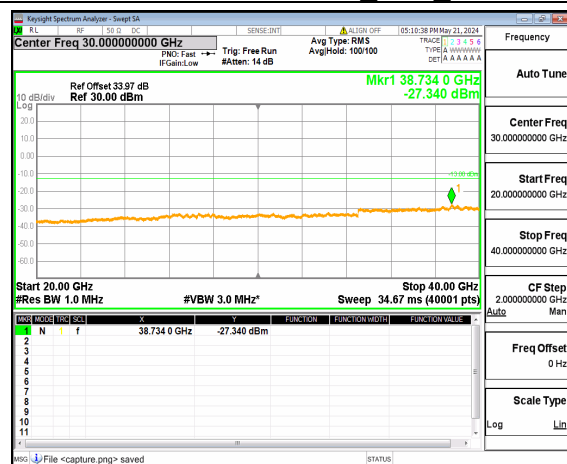


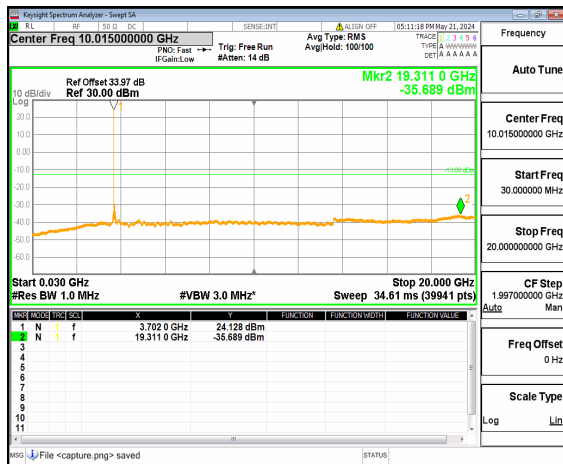
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DFT-s-OFDM QPSK Inner_1RB_Right Mid



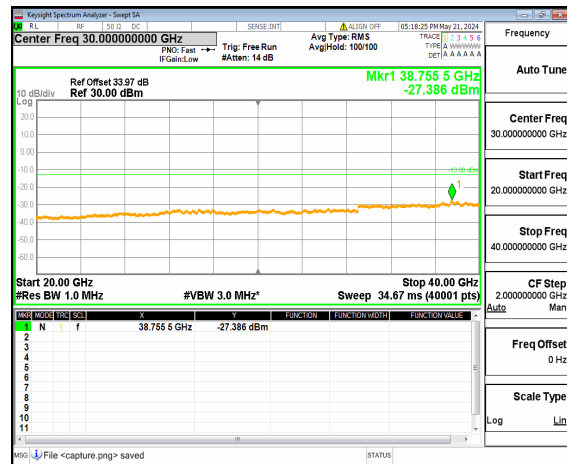
n77(3700-3980MHz) (20GHz-40GHz) 70M
DFT-s-OFDM QPSK Inner_1RB_Right Mid

n77(3700-3980MHz) (30MHz-20GHz) 70M
DFT-s-OFDM BPSK Inner_1RB_Left Highn77(3700-3980MHz) (20GHz-40GHz) 70M
DFT-s-OFDM BPSK Inner_1RB_Left Highn77(3700-3980MHz) (30MHz-20GHz) 70M
DFT-s-OFDM BPSK Inner_1RB_Right Highn77(3700-3980MHz) (20GHz-40GHz) 70M
DFT-s-OFDM BPSK Inner_1RB_Right Highn77(3700-3980MHz) (30MHz-20GHz) 70M
DFT-s-OFDM QPSK Inner_1RB_Left Highn77(3700-3980MHz) (20GHz-40GHz) 70M
DFT-s-OFDM QPSK Inner_1RB_Left High

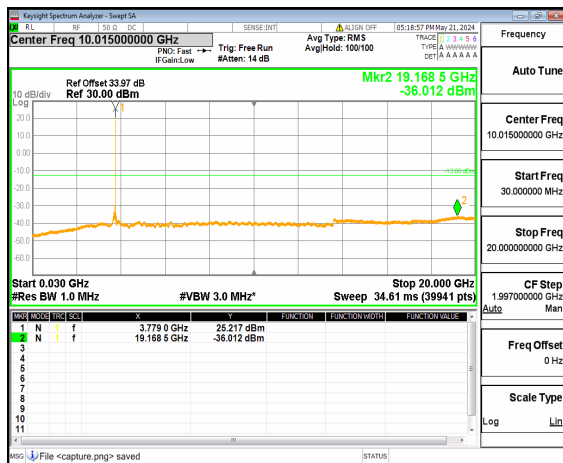
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DFT-s-OFDM QPSK Inner_1RB_Right Highn77(3700-3980MHz) (20GHz-40GHz) 70M
DFT-s-OFDM QPSK Inner_1RB_Right Highn77(3700-3980MHz) (30MHz-20GHz) 80M
DFT-s-OFDM BPSK Inner_1RB_Left Lown77(3700-3980MHz) (20GHz-40GHz) 80M
DFT-s-OFDM BPSK Inner_1RB_Left Lown77(3700-3980MHz) (30MHz-20GHz) 80M
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DFT-s-OFDM BPSK Inner_1RB_Right Low



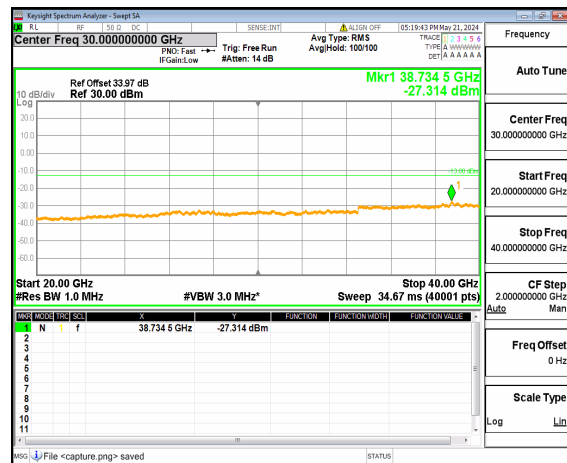
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DFT-s-OFDM QPSK Inner_1RB_Left Low



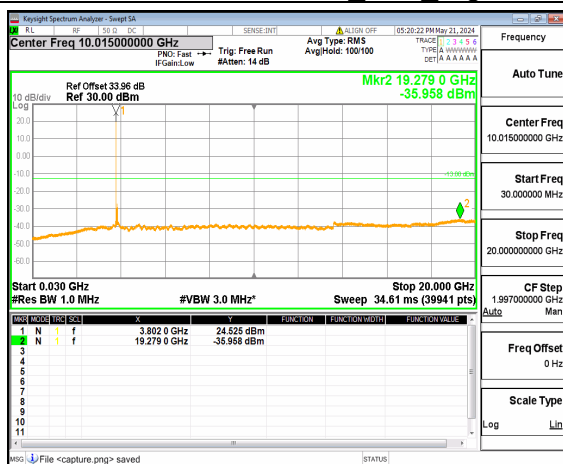
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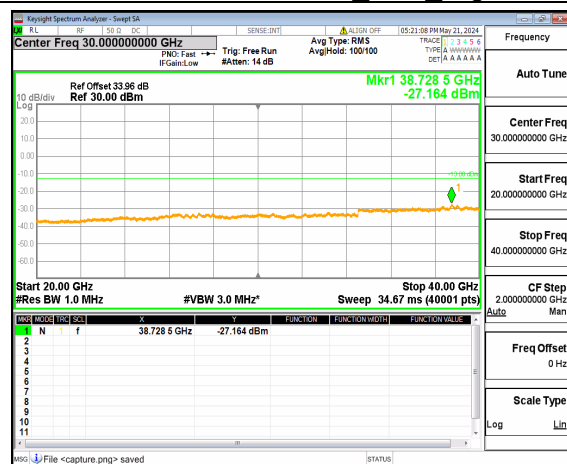
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DFT-s-OFDM QPSK Inner_1RB_Right Low



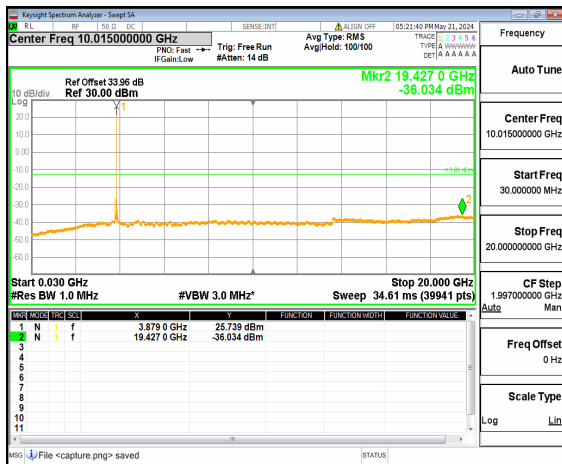
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DFT-s-OFDM QPSK Inner_1RB_Right Low



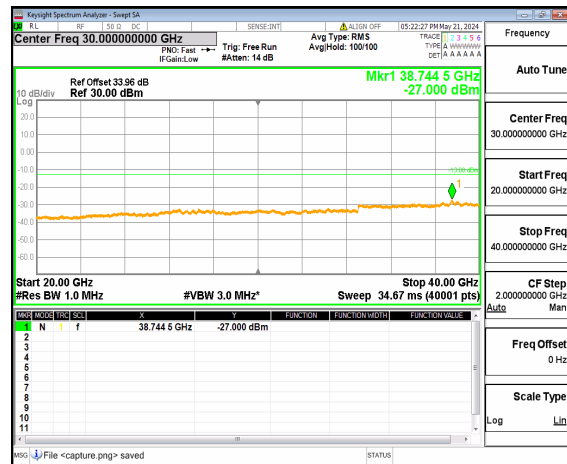
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DFT-s-OFDM BPSK Inner_1RB_Left Mid



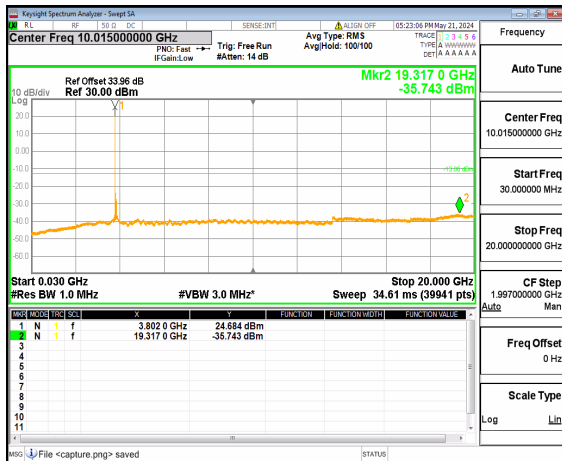
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DFT-s-OFDM BPSK Inner_1RB_Left Mid



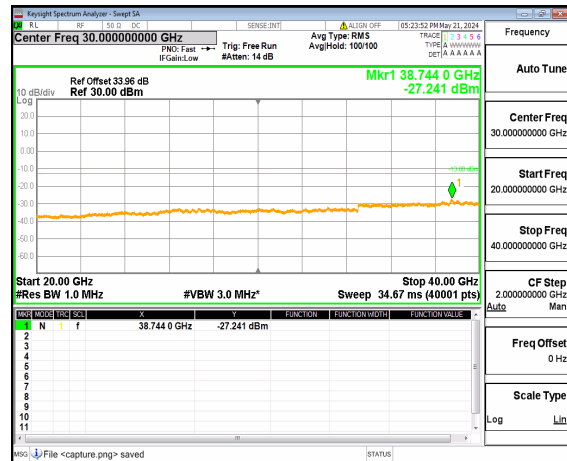
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DFT-s-OFDM BPSK Inner_1RB_Right Mid



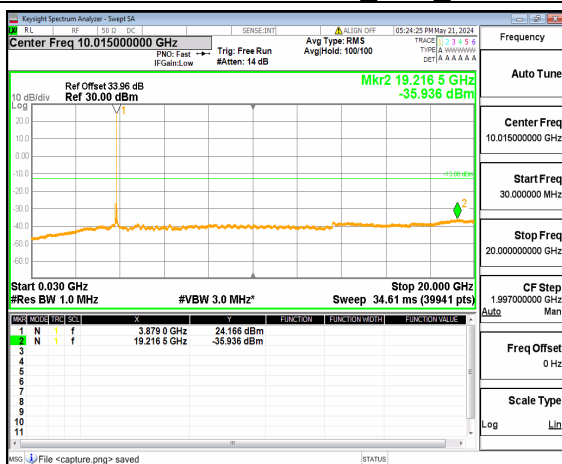
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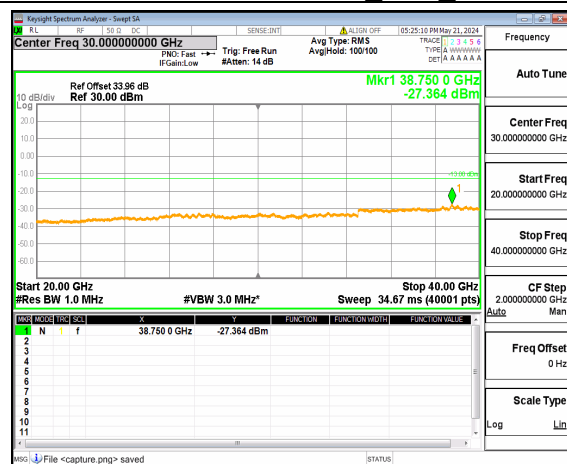
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DFT-s-OFDM QPSK Inner_1RB_Left Mid



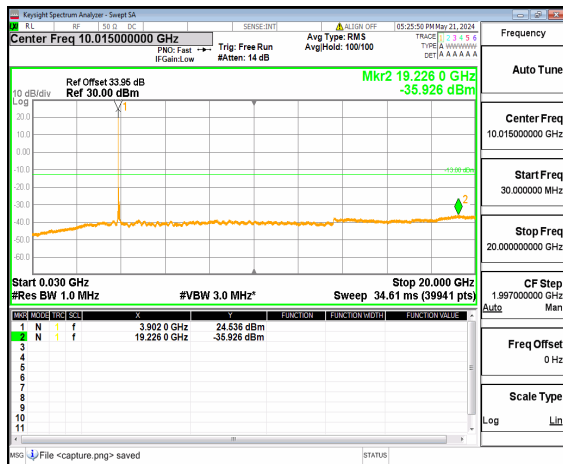
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DFT-s-OFDM QPSK Inner_1RB_Left Mid



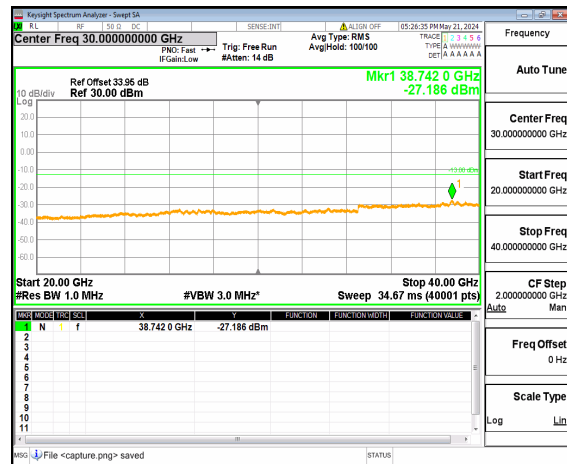
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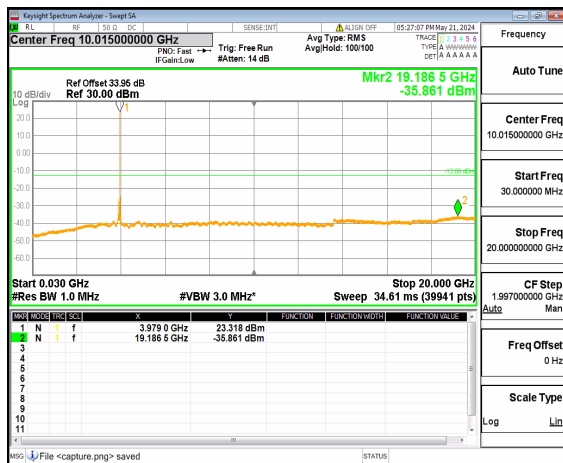
n77(3700-3980MHz) (20GHz-40GHz) 80M
DFT-s-OFDM QPSK Inner_1RB_Right Mid



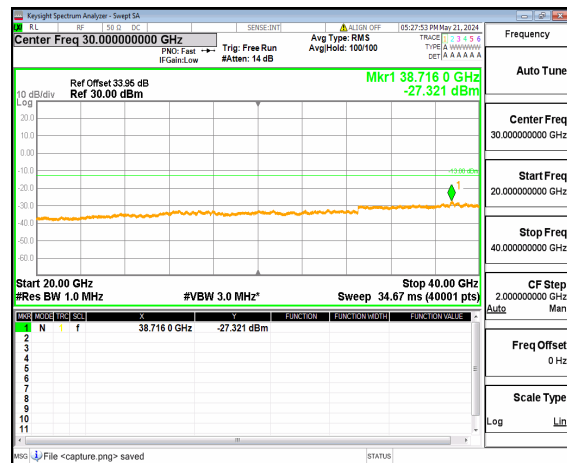
n77(3700-3980MHz) (30MHz-20GHz) 80M
DFT-s-OFDM BPSK Inner_1RB Left High



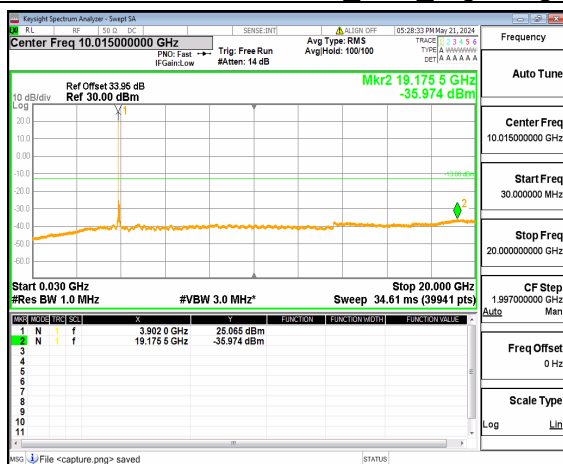
n77(3700-3980MHz) (20GHz-40GHz) 80M
DFT-s-OFDM BPSK Inner_1RB Left High



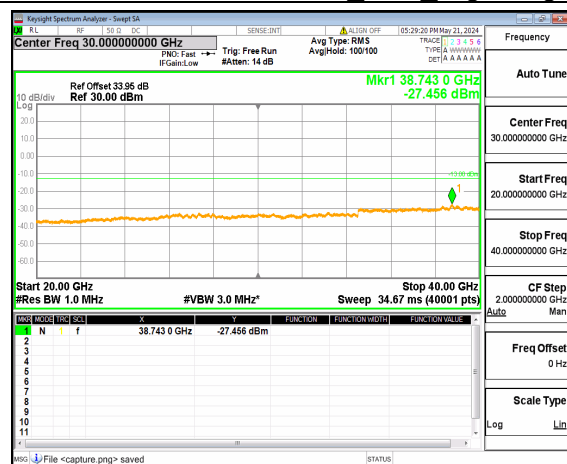
n77(3700-3980MHz) (30MHz-20GHz) 80M
DFT-s-OFDM BPSK Inner_1RB Right High



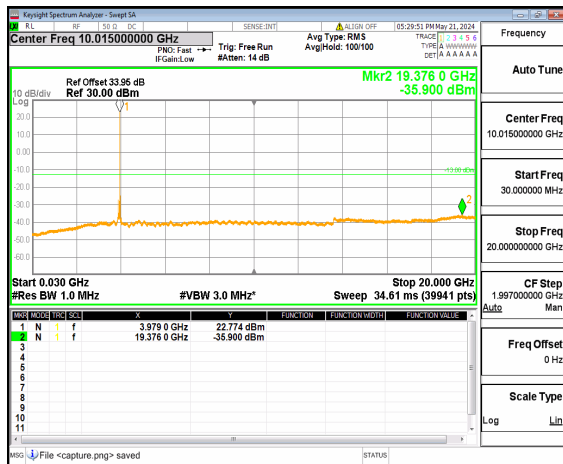
n77(3700-3980MHz) (20GHz-40GHz) 80M
DFT-s-OFDM BPSK Inner_1RB Right High



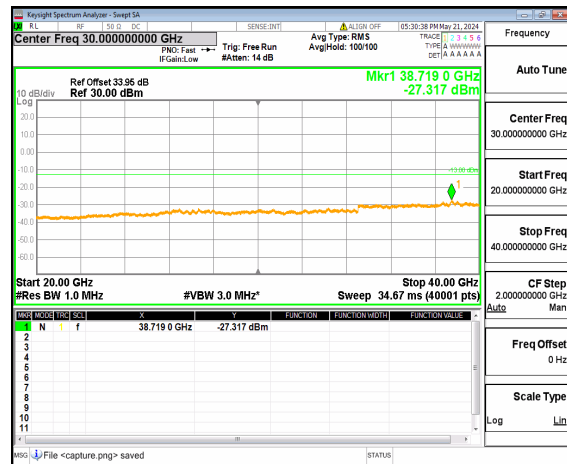
n77(3700-3980MHz) (30MHz-20GHz) 80M
DFT-s-OFDM QPSK Inner_1RB Left High



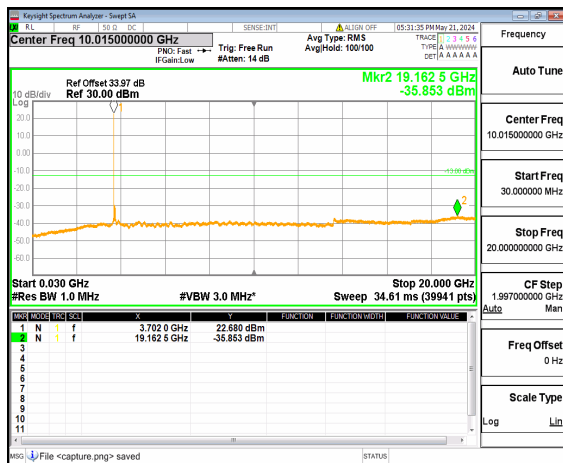
n77(3700-3980MHz) (20GHz-40GHz) 80M
DFT-s-OFDM QPSK Inner_1RB Left High



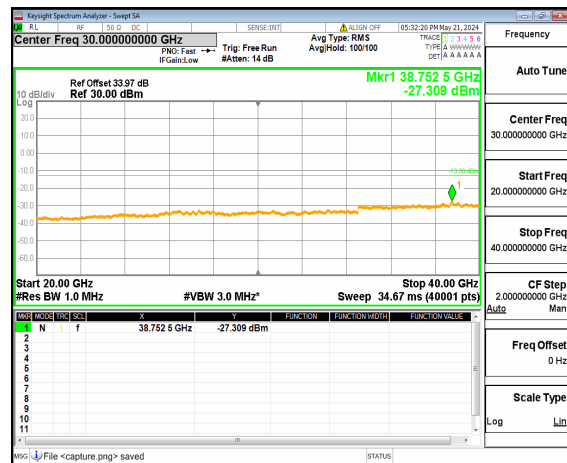
n77(3700-3980MHz) (30MHz-20GHz) 80M
DFT-s-OFDM QPSK Inner_1RB_Right High



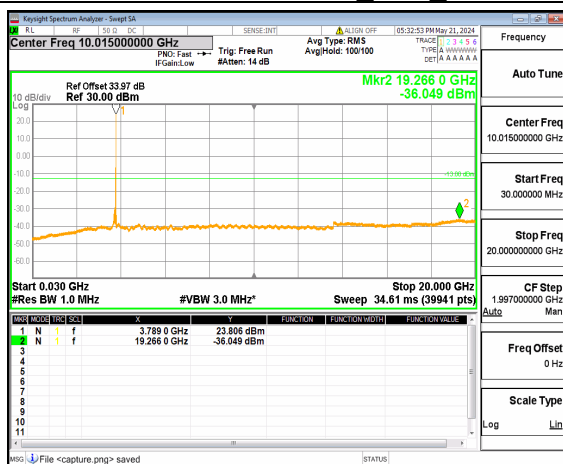
n77(3700-3980MHz) (20GHz-40GHz) 80M
DFT-s-OFDM QPSK Inner_1RB_Right High



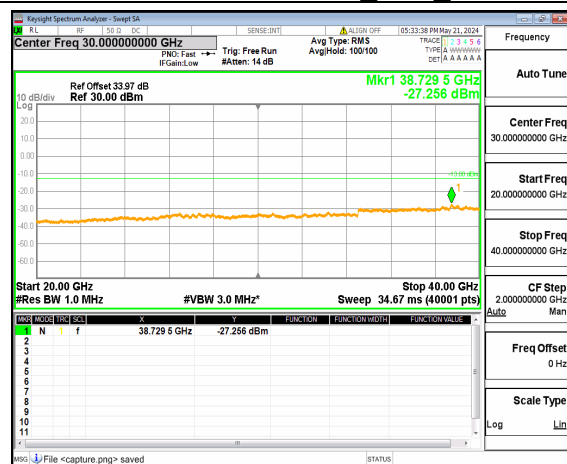
n77(3700-3980MHz) (30MHz-20GHz) 90M
DFT-s-OFDM BPSK Inner_1RB_Left Low



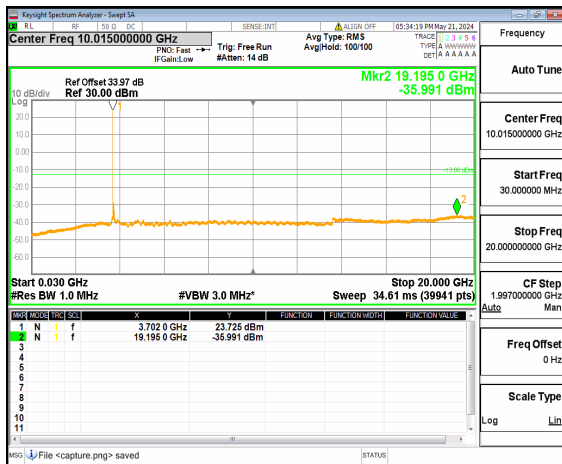
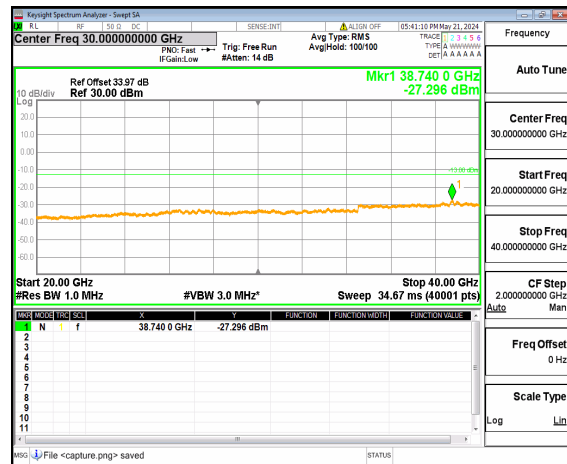
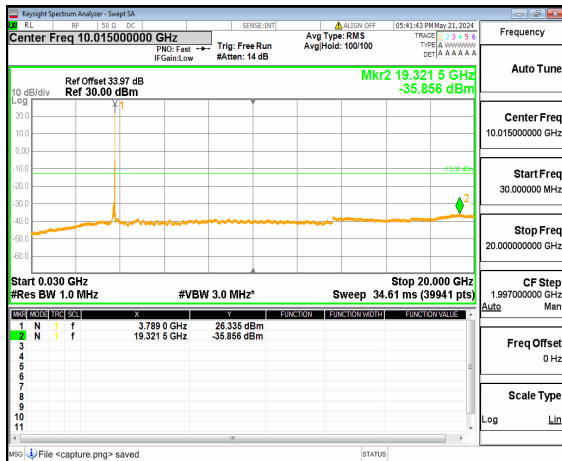
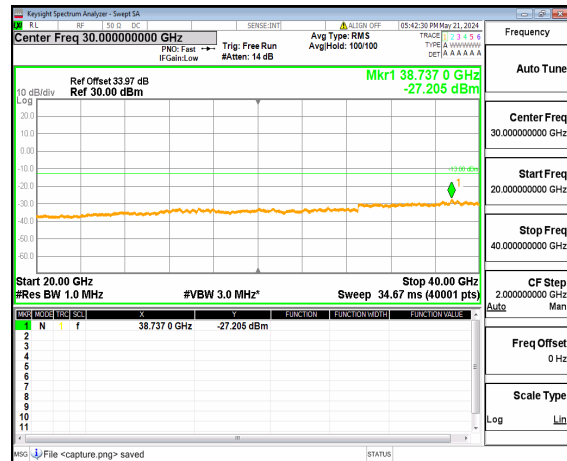
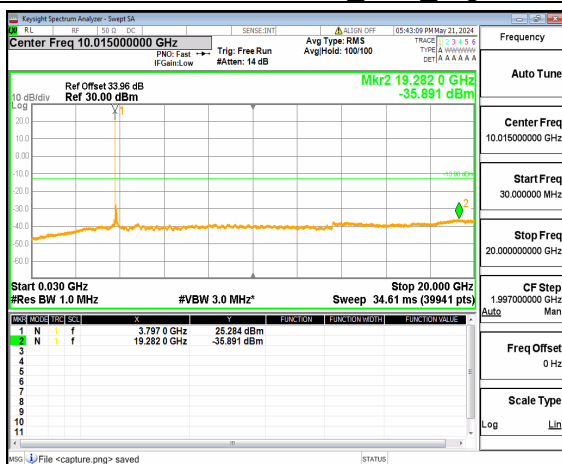
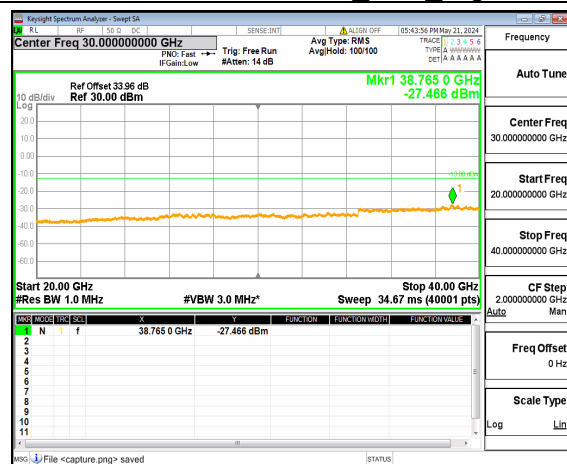
n77(3700-3980MHz) (20GHz-40GHz) 90M
DFT-s-OFDM BPSK Inner_1RB_Left Low

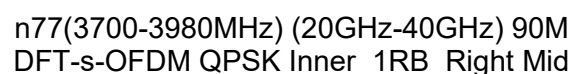
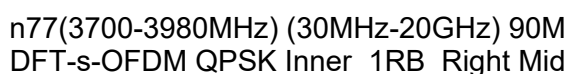
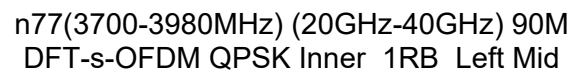
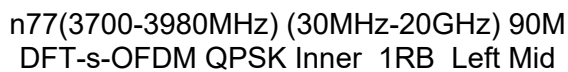
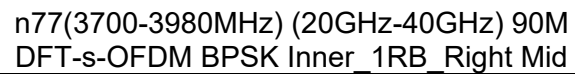
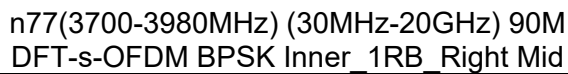
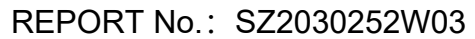


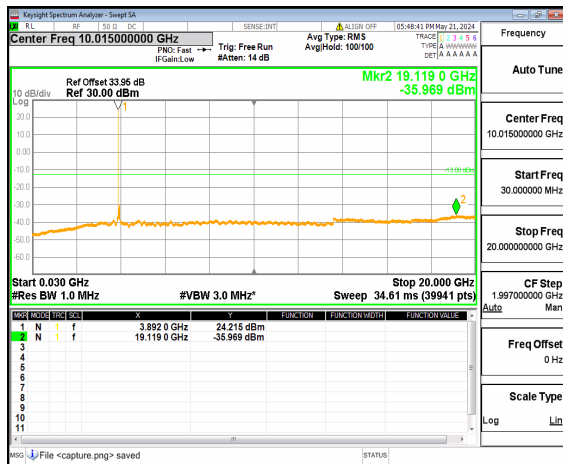
n77(3700-3980MHz) (30MHz-20GHz) 90M
DFT-s-OFDM BPSK Inner_1RB_Right Low



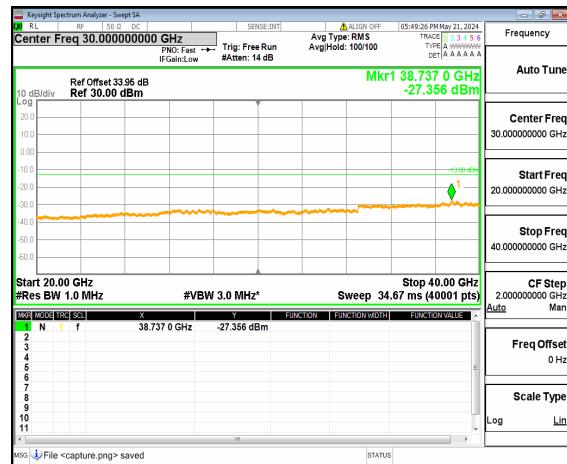
n77(3700-3980MHz) (20GHz-40GHz) 90M
DFT-s-OFDM BPSK Inner_1RB_Right Low

n77(3700-3980MHz) (30MHz-20GHz) 90M
DFT-s-OFDM QPSK Inner_1RB_Left Lown77(3700-3980MHz) (20GHz-40GHz) 90M
DFT-s-OFDM QPSK Inner_1RB_Left Lown77(3700-3980MHz) (30MHz-20GHz) 90M
DFT-s-OFDM QPSK Inner_1RB_Right Lown77(3700-3980MHz) (20GHz-40GHz) 90M
DFT-s-OFDM QPSK Inner_1RB_Right Lown77(3700-3980MHz) (30MHz-20GHz) 90M
DFT-s-OFDM BPSK Inner_1RB_Left Midn77(3700-3980MHz) (20GHz-40GHz) 90M
DFT-s-OFDM BPSK Inner_1RB_Left Mid

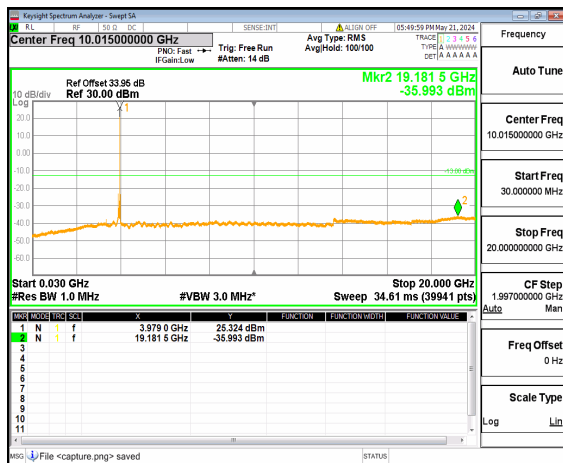




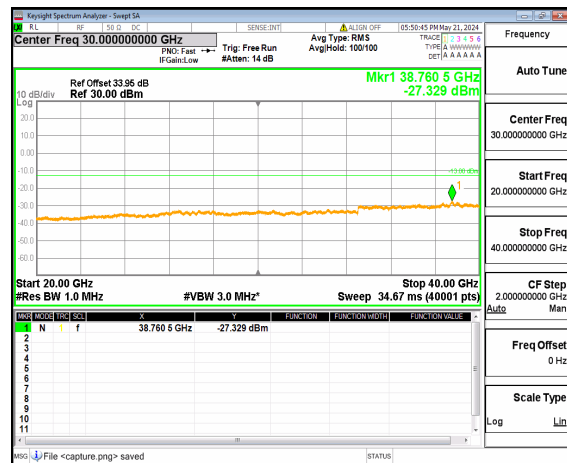
n77(3700-3980MHz) (30MHz-20GHz) 90M
DFT-s-OFDM BPSK Inner_1RB Left High



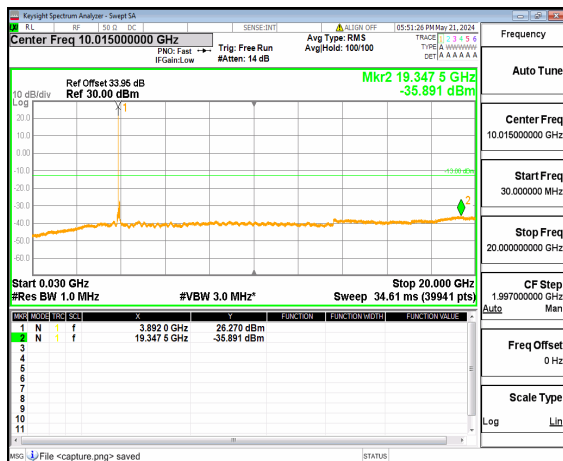
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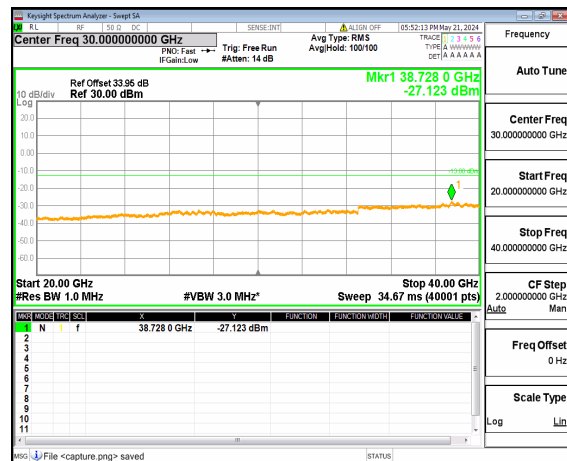
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DFT-s-OFDM BPSK Inner_1RB Right High



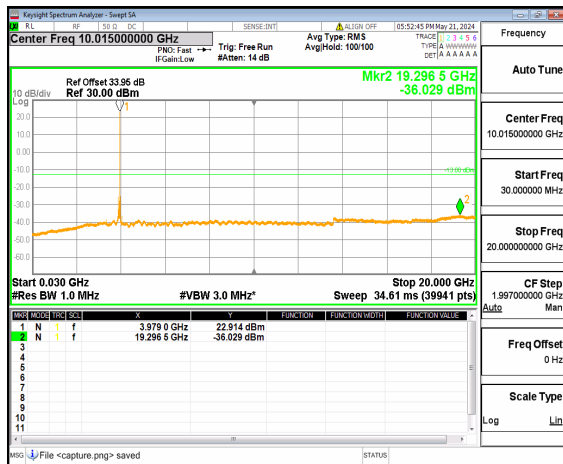
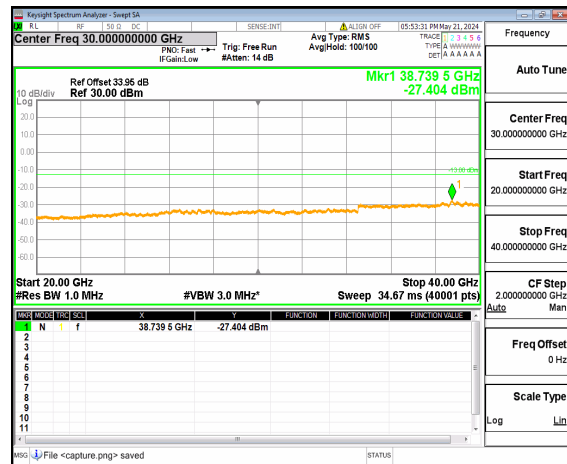
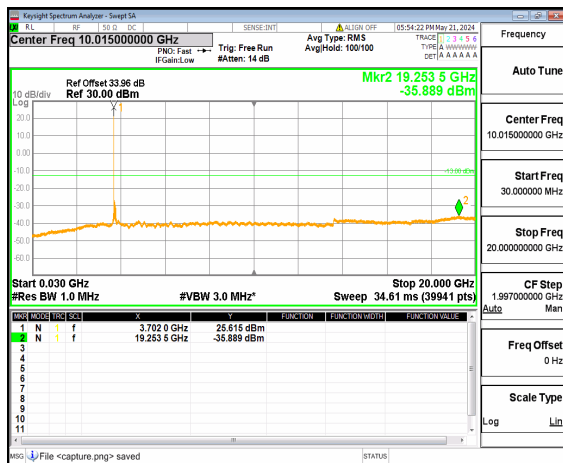
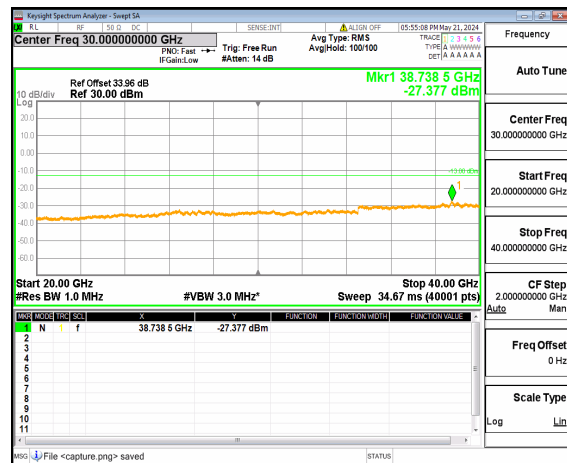
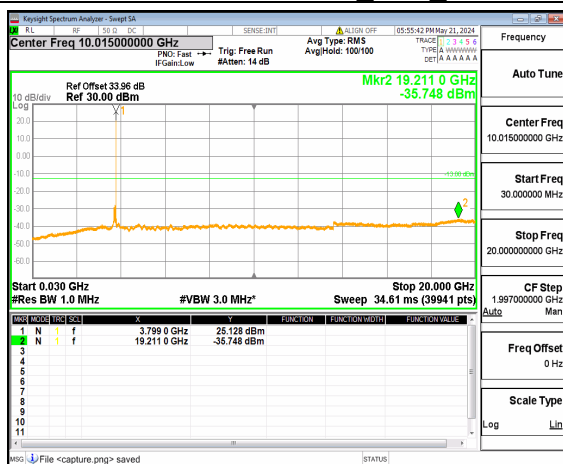
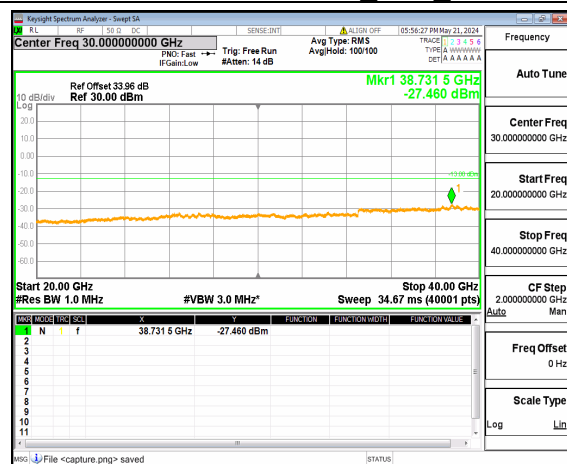
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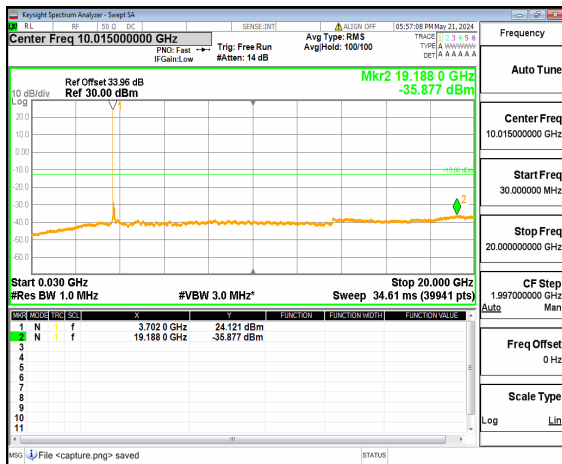


n77(3700-3980MHz) (30MHz-20GHz) 90M
DFT-s-OFDM QPSK Inner_1RB Left High

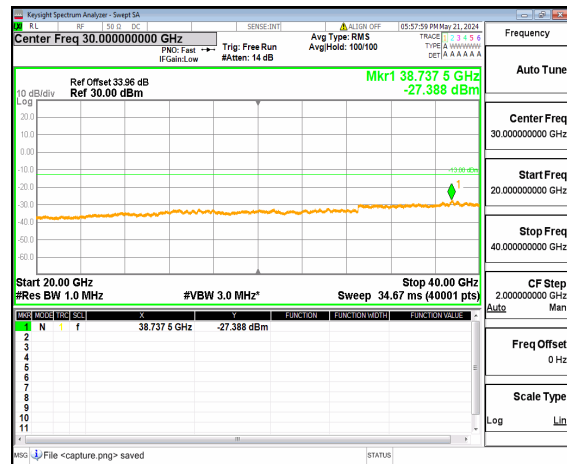


n77(3700-3980MHz) (20GHz-40GHz) 90M
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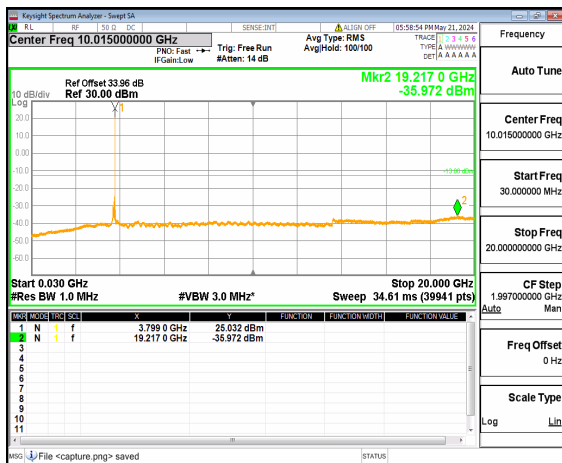
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DFT-s-OFDM QPSK Inner_1RB_Right Highn77(3700-3980MHz) (20GHz-40GHz) 90M
DFT-s-OFDM QPSK Inner_1RB_Right Highn77(3700-3980MHz) (30MHz-20GHz) 100M
DFT-s-OFDM BPSK Inner_1RB_Left Lown77(3700-3980MHz) (20GHz-40GHz) 100M
DFT-s-OFDM BPSK Inner_1RB_Left Lown77(3700-3980MHz) (30MHz-20GHz) 100M
DFT-s-OFDM BPSK Inner_1RB_Right Lown77(3700-3980MHz) (20GHz-40GHz) 100M
DFT-s-OFDM BPSK Inner_1RB_Right Low



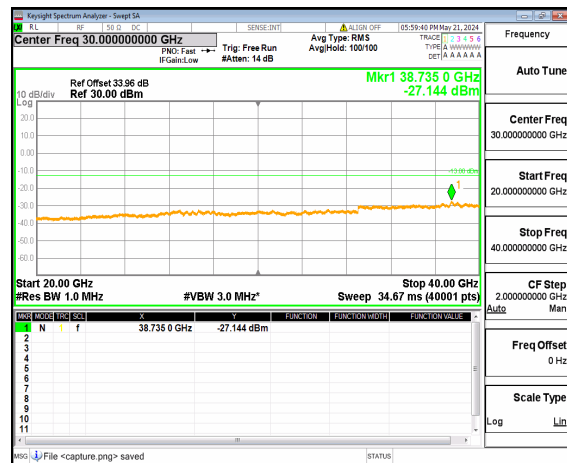
n77(3700-3980MHz) (30MHz-20GHz) 100M
DFT-s-OFDM QPSK Inner_1RB_Left Low



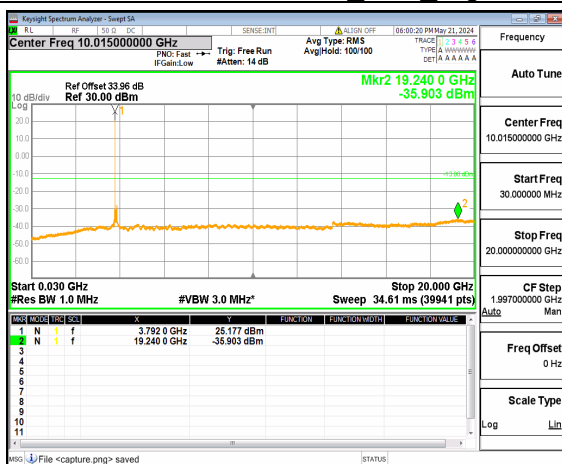
n77(3700-3980MHz) (20GHz-40GHz) 100M
DFT-s-OFDM QPSK Inner_1RB_Left Low



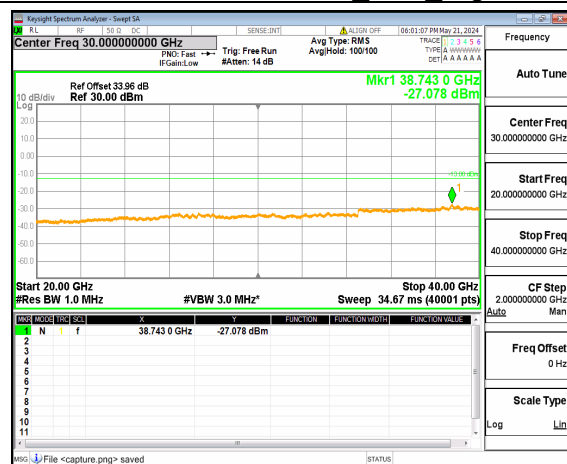
n77(3700-3980MHz) (30MHz-20GHz) 100M
DFT-s-OFDM QPSK Inner_1RB_Right Low



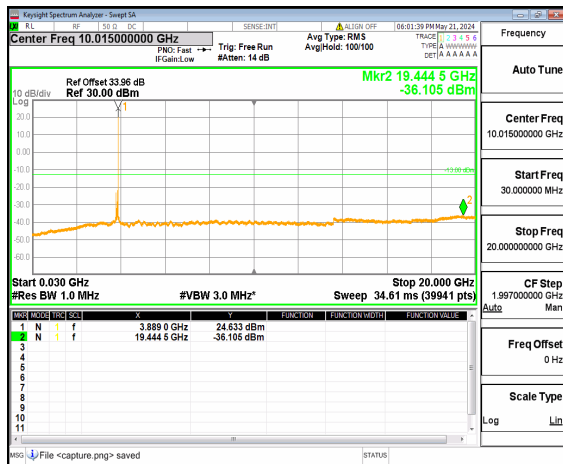
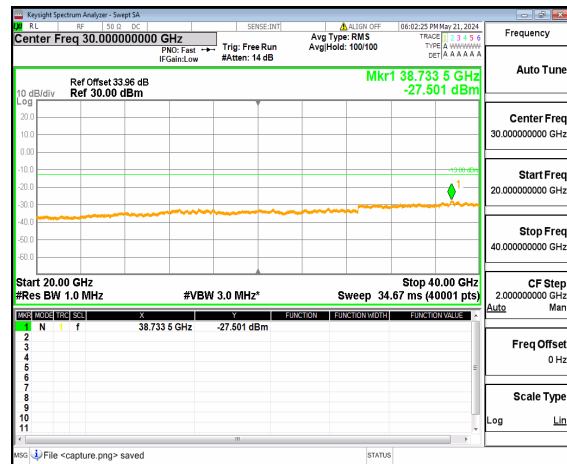
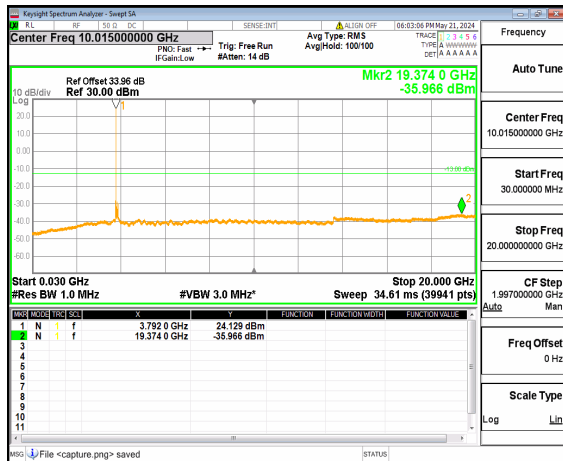
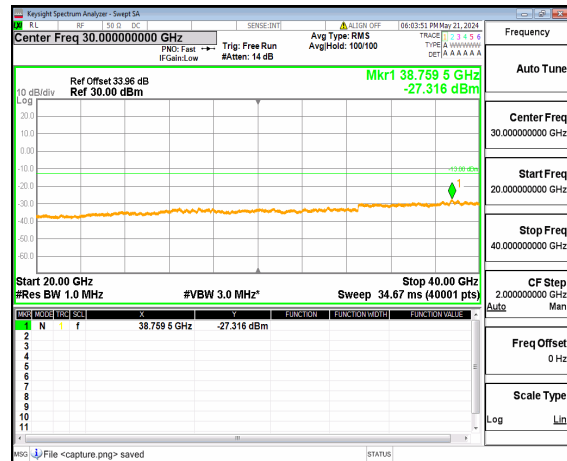
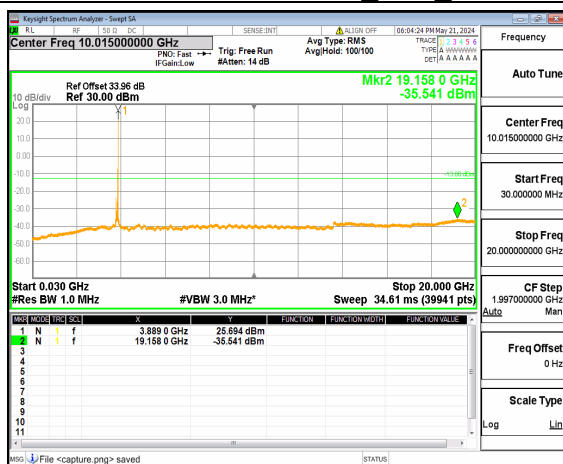
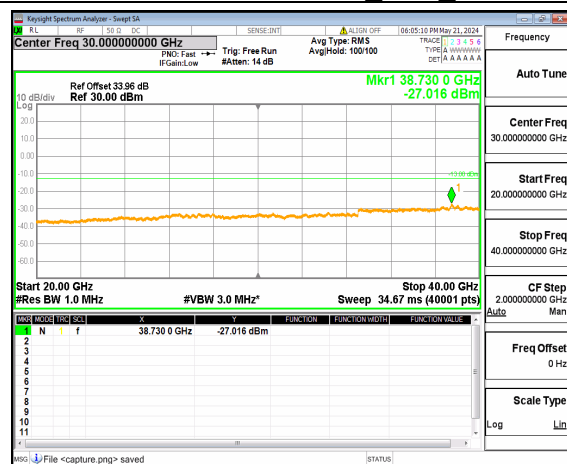
n77(3700-3980MHz) (20GHz-40GHz) 100M
DFT-s-OFDM QPSK Inner_1RB_Right Low

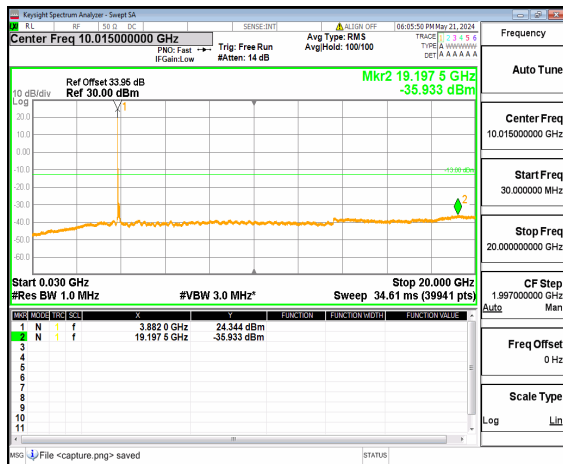
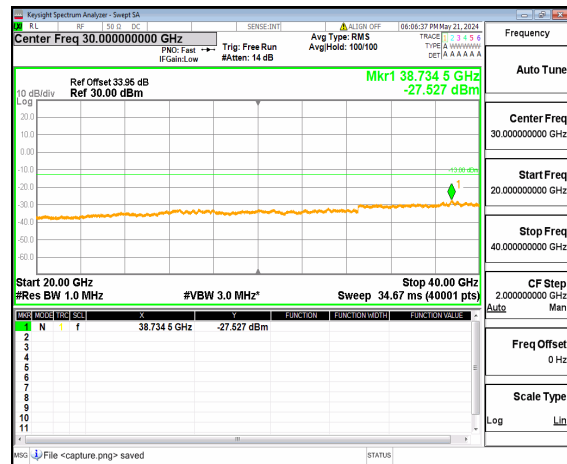
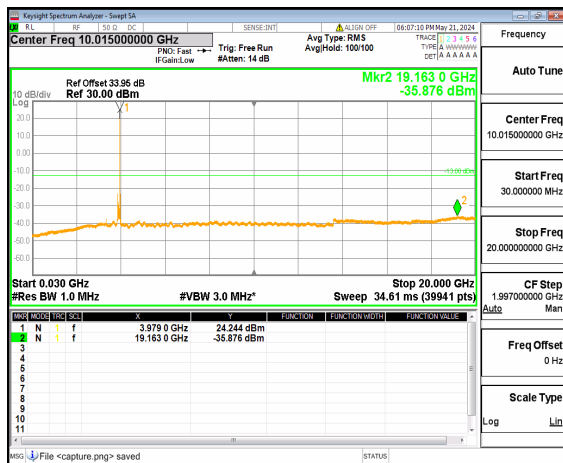
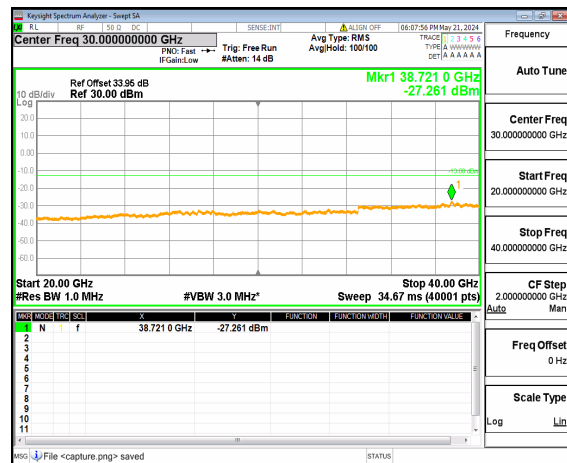
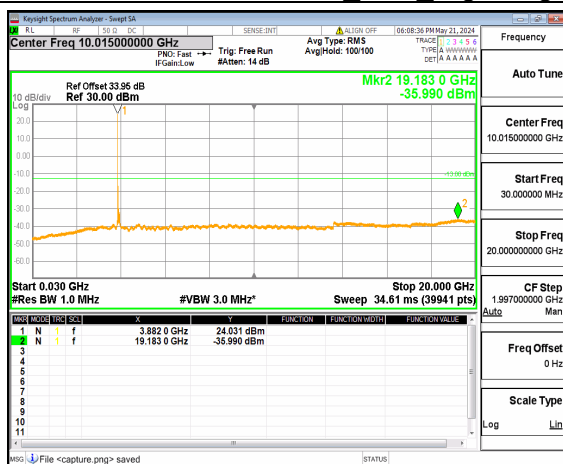
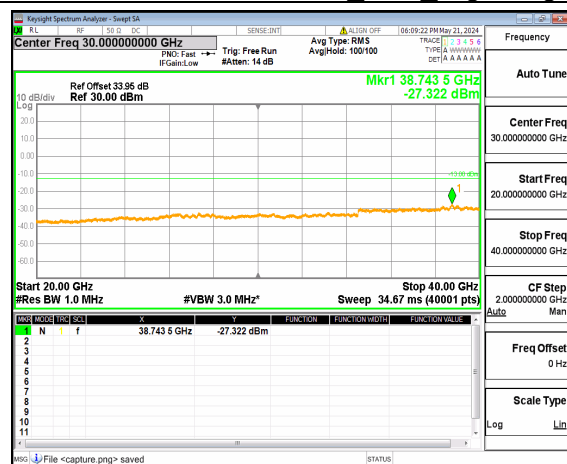


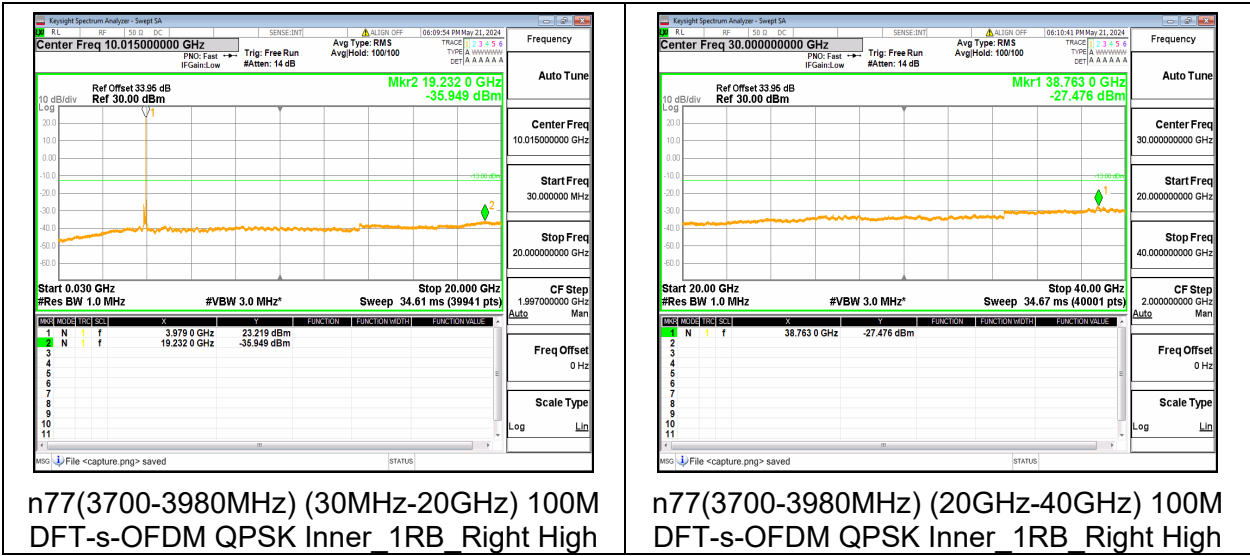
n77(3700-3980MHz) (30MHz-20GHz) 100M
DFT-s-OFDM BPSK Inner_1RB_Left Mid



n77(3700-3980MHz) (20GHz-40GHz) 100M
DFT-s-OFDM BPSK Inner_1RB_Left Mid

n77(3700-3980MHz) (30MHz-20GHz) 100M
DFT-s-OFDM BPSK Inner_1RB_Right Midn77(3700-3980MHz) (20GHz-40GHz) 100M
DFT-s-OFDM BPSK Inner_1RB_Right Midn77(3700-3980MHz) (30MHz-20GHz) 100M
DFT-s-OFDM QPSK Inner_1RB_Left Midn77(3700-3980MHz) (20GHz-40GHz) 100M
DFT-s-OFDM QPSK Inner_1RB_Left Midn77(3700-3980MHz) (30MHz-20GHz) 100M
DFT-s-OFDM QPSK Inner_1RB_Right Midn77(3700-3980MHz) (20GHz-40GHz) 100M
DFT-s-OFDM QPSK Inner_1RB_Right Mid

n77(3700-3980MHz) (30MHz-20GHz) 100M
DFT-s-OFDM BPSK Inner_1RB_Left_Highn77(3700-3980MHz) (20GHz-40GHz) 100M
DFT-s-OFDM BPSK Inner_1RB_Left_Highn77(3700-3980MHz) (30MHz-20GHz) 100M
DFT-s-OFDM BPSK Inner_1RB_Right_Highn77(3700-3980MHz) (20GHz-40GHz) 100M
DFT-s-OFDM BPSK Inner_1RB_Right_Highn77(3700-3980MHz) (30MHz-20GHz) 100M
DFT-s-OFDM QPSK Inner_1RB_Left_Highn77(3700-3980MHz) (20GHz-40GHz) 100M
DFT-s-OFDM QPSK Inner_1RB_Left_High



2.6. Band Edge

2.6.1.Requirement

n41

According to FCC section 27.53(m) (4), for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

n48

Part 96.41(e)(1)(i)

For channel and frequency assignments made by the SAS to CBSDs, the conducted power of any CBSD emission outside the fundamental emission bandwidth as specified in paragraph (e)(3) of this section (whether the emission is inside or outside of the authorized band) shall not exceed -13 dBm/MHz within 0-10 megahertz above the upper SAS-assigned channel edge and within 0-10 megahertz below the lower SAS-assigned channel edge. At all frequencies greater than 10 megahertz above the upper SAS assigned channel edge and less than 10 MHz below the lower SAS assigned channel edge, the conducted power of any CBSD emission shall not exceed -25 dBm/MHz.

Part 96.41(e)(1)(ii)

For channel and frequency assignments made by a CBSD to End User Devices, the conducted power of any End User Device emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0 to B megahertz (where B is the bandwidth in megahertz of the assigned channel or multiple contiguous channels of the End User Device) above the upper CBSD-assigned channel edge and within 0 to B megahertz below the lower CBSD-assigned channel edge. At all frequencies greater than B megahertz above the upper CBSD assigned channel edge and less than B megahertz below the lower CBSD-assigned channel edge, the conducted power of any End User Device emission shall not exceed -25 dBm/MHz.

Part 96.41(e)(2)

For CBSDs and End User Devices, the conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed -25 dBm/MHz, and the conducted power of emissions below 3530

MHz or above 3720 MHz shall not exceed -40dBm/MHz .

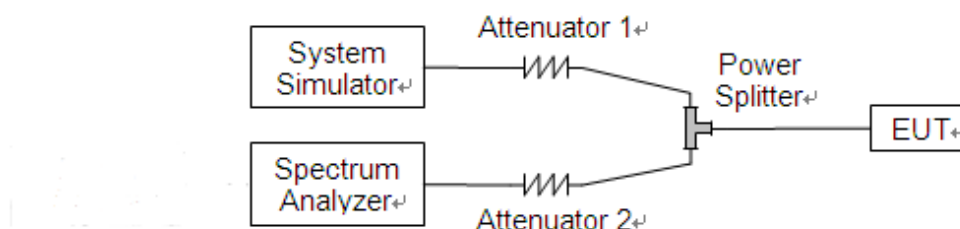
n77 (3700-3980MHz)

According to FCC section 27.53(l) (2) for, 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 . Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1-megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

n77 (3450-3550MHz)

According to FCC section 27.53(n) (2) for,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 . Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

2.6.2. Test Description





The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

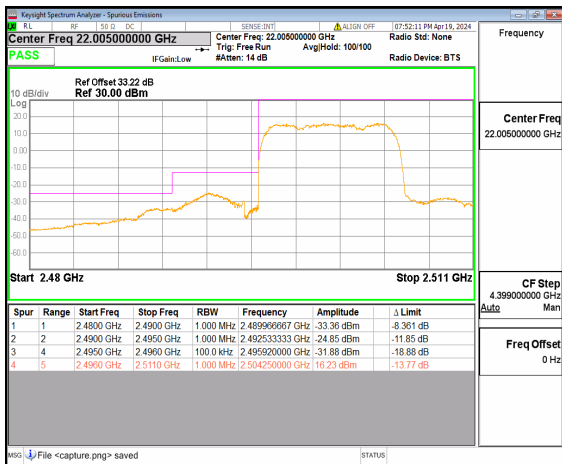
2.6.3. Test procedure

KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

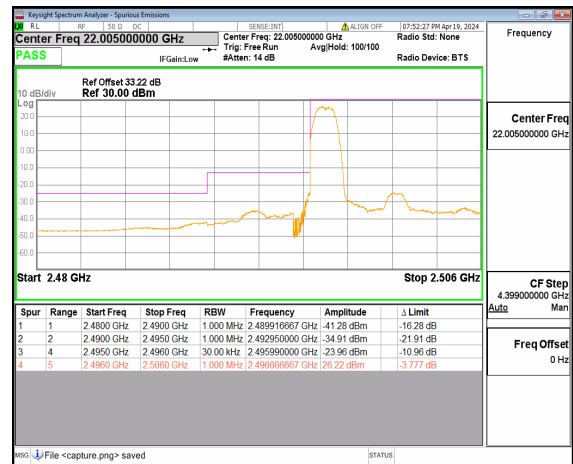
2.6.4. Test Result

The center frequency of spectrum is the band edge frequency and span is 2MHz, Record the max trace into the test report.

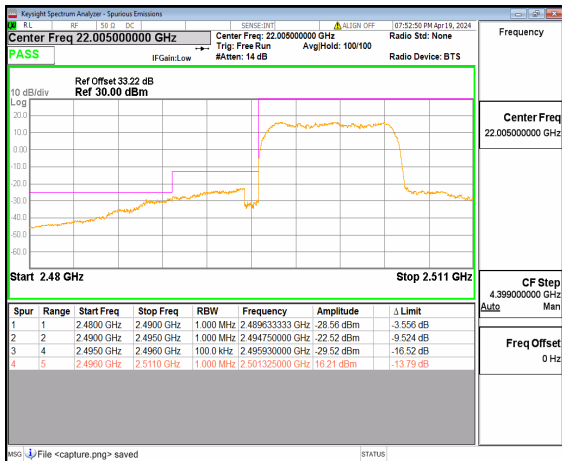
Note: In the same NR frequency band, The measured power in SA mode is higher than that in NSA mode, SA mode is selected to test all test cases.



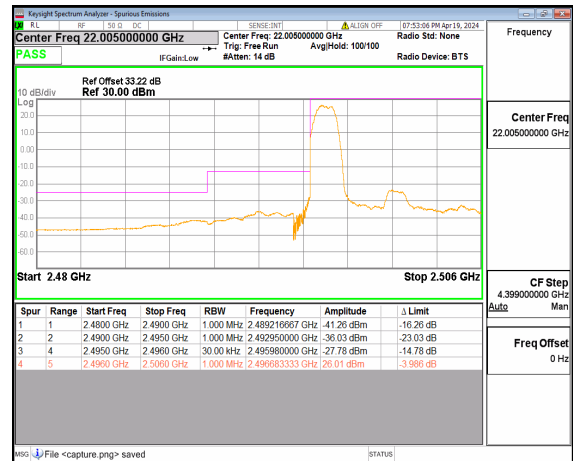
n41 10M DFT-s-OFDM BPSK Outer_Full Low



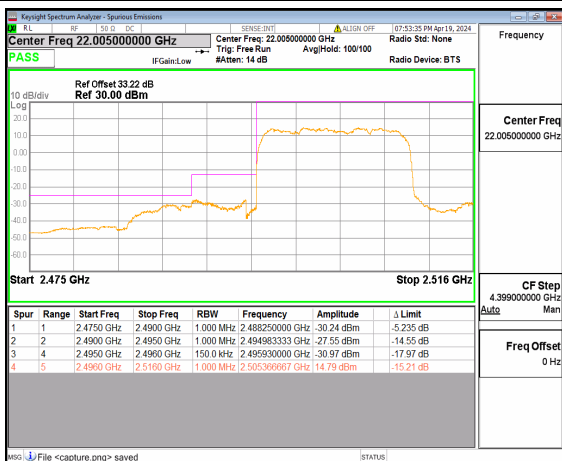
n41 10M DFT-s-OFDM BPSK Edge_1RB_Left Low



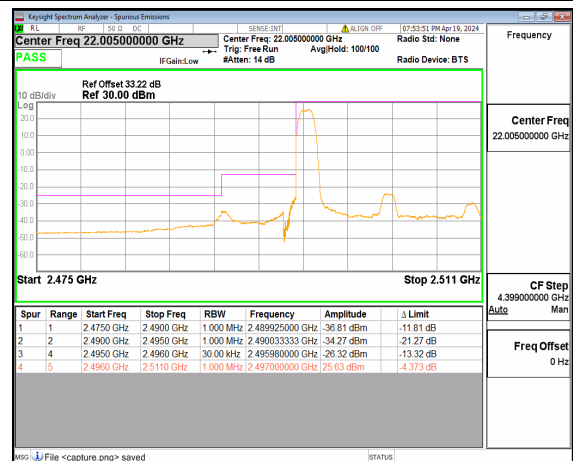
n41 10M DFT-s-OFDM QPSK Outer_Full Low



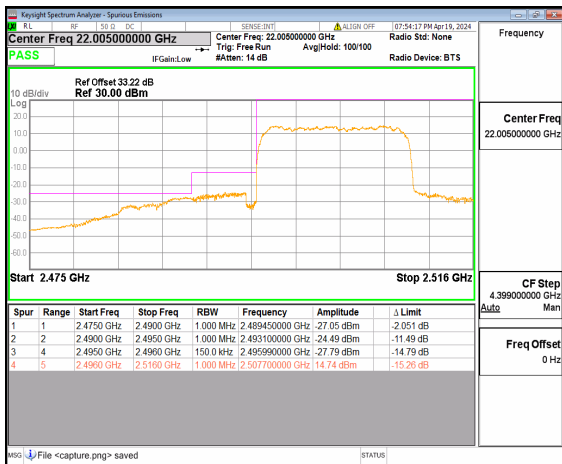
n41 10M DFT-s-OFDM QPSK Edge_1RB_Left Low



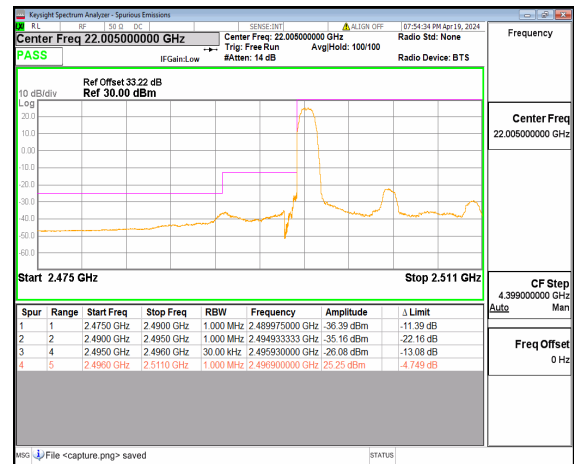
n41 15M DFT-s-OFDM BPSK Outer_Full Low



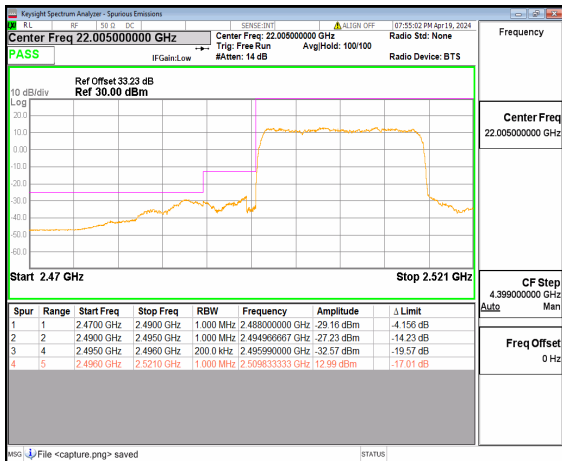
n41 15M DFT-s-OFDM BPSK Edge_1RB_Left Low



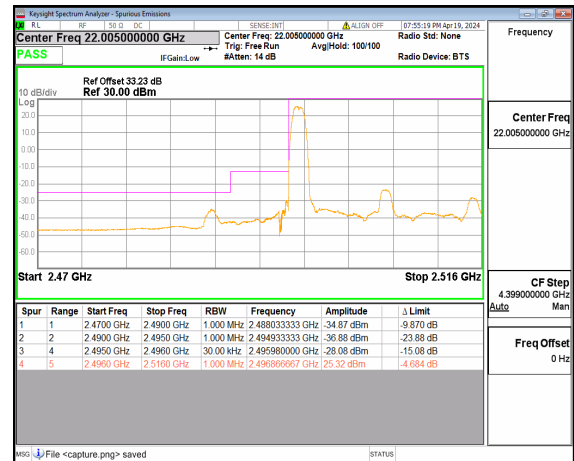
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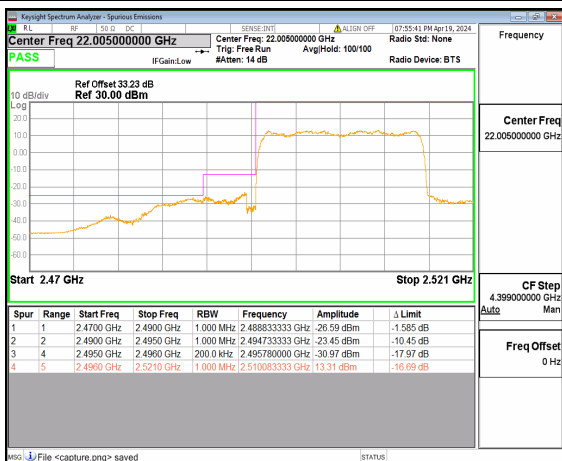
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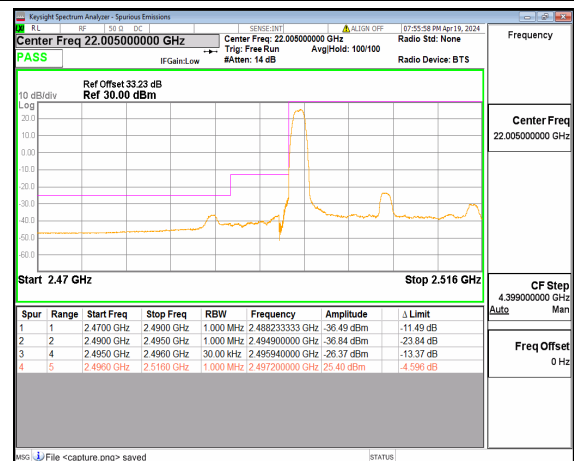
n41 20M DFT-s-OFDM BPSK Outer_Full Low



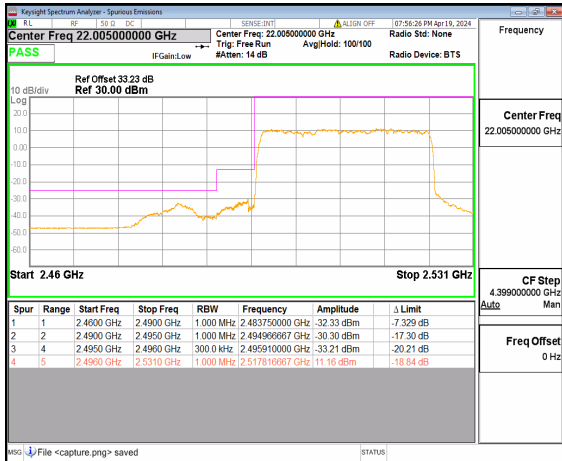
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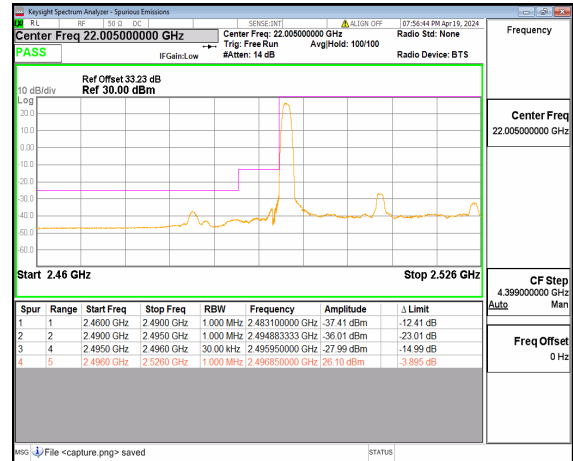
n41 20M DFT-s-OFDM QPSK Outer_Full Low



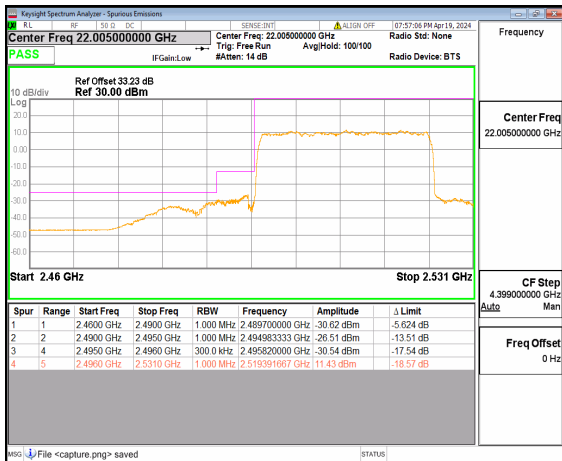
n41 20M DFT-s-OFDM QPSK Edge_1RB_Left Low



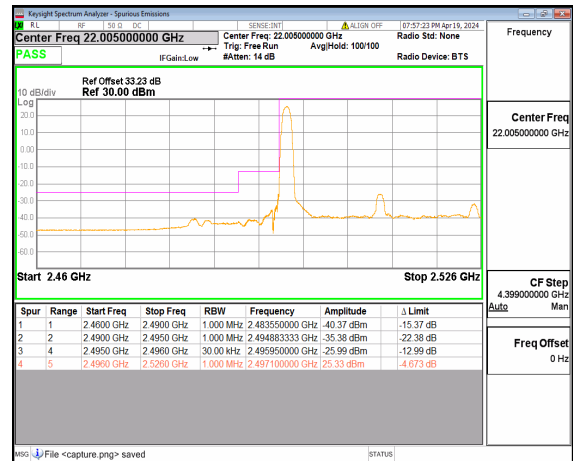
n41 30M DFT-s-OFDM BPSK Outer_Full Low



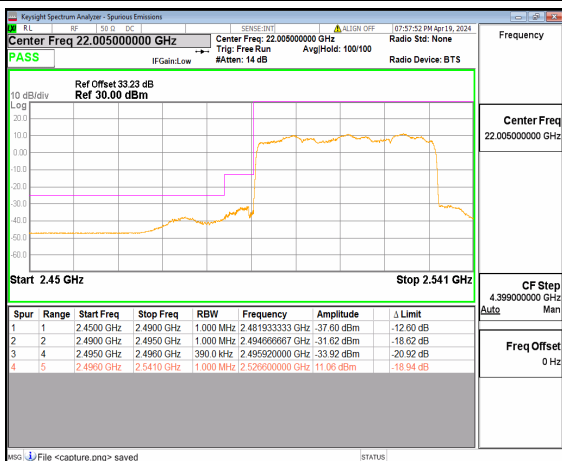
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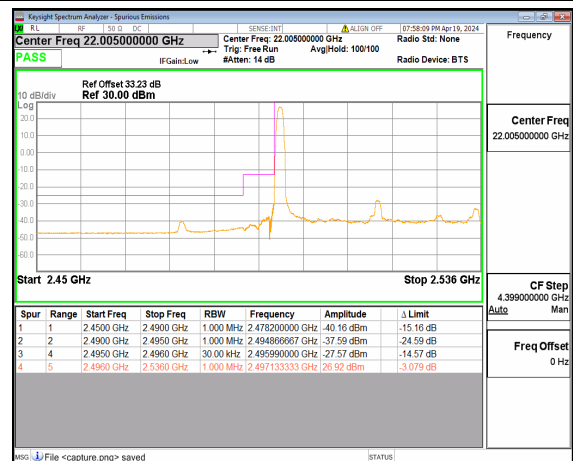
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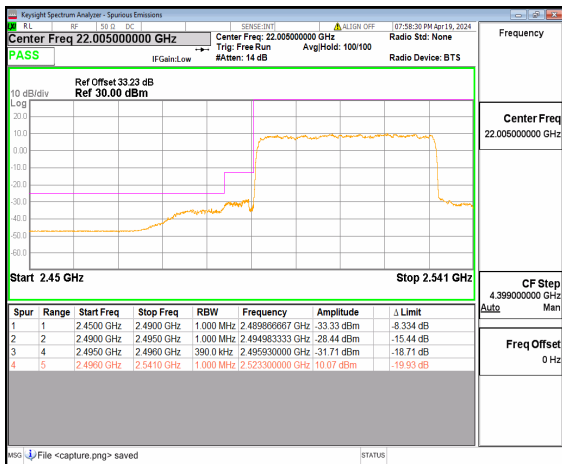
n41 30M DFT-s-OFDM QPSK Edge_1RB_Left Low



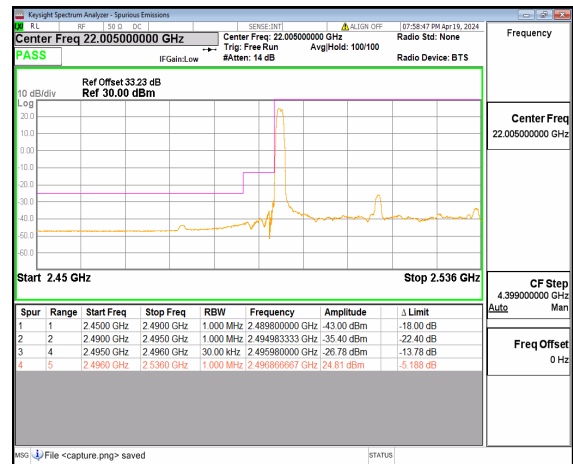
n41 40M DFT-s-OFDM BPSK Outer_Full Low



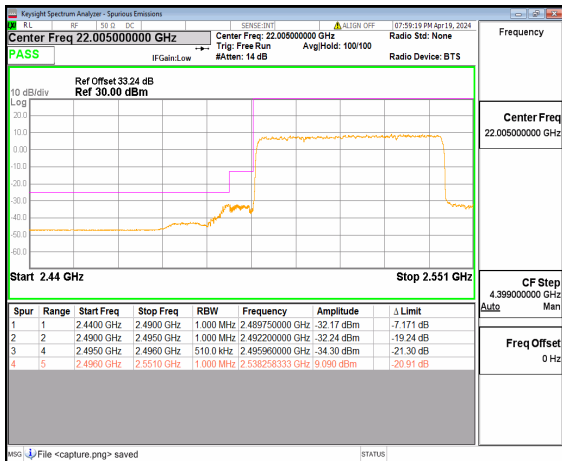
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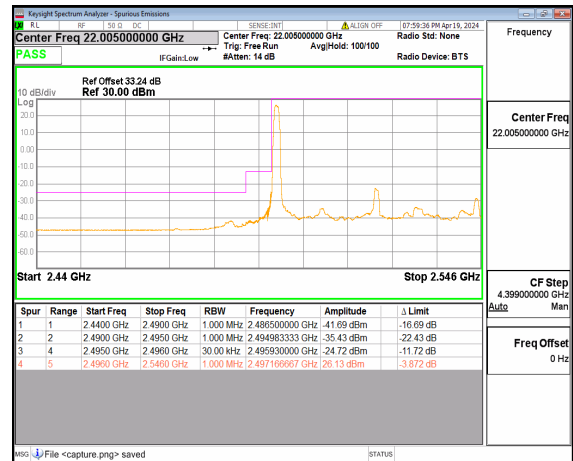
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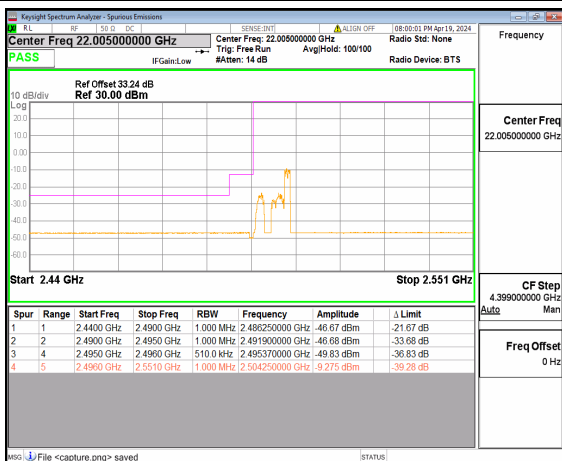
n41 40M DFT-s-OFDM QPSK Edge_1RB_Left Low



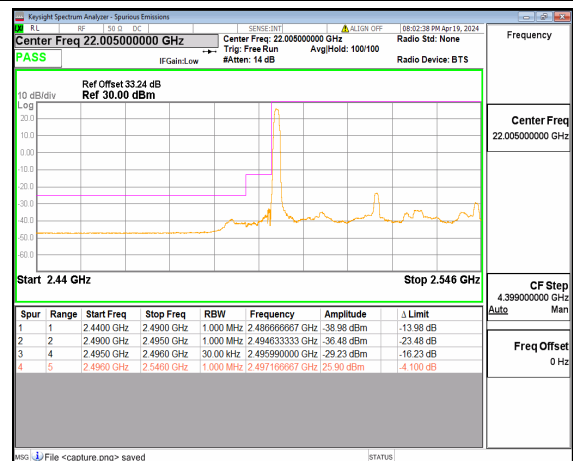
n41 50M DFT-s-OFDM BPSK Outer_Full Low



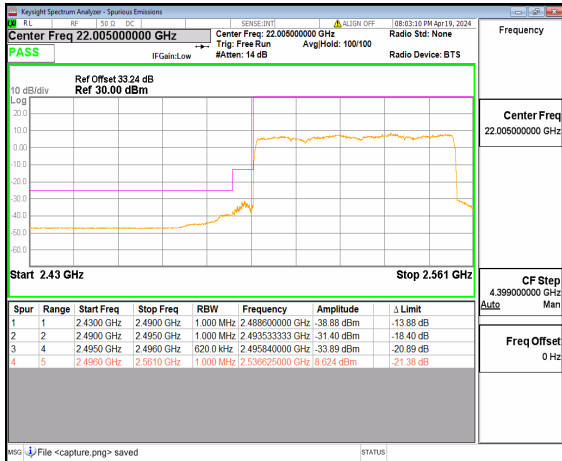
n41 50M DFT-s-OFDM BPSK Edge_1RB_Left Low



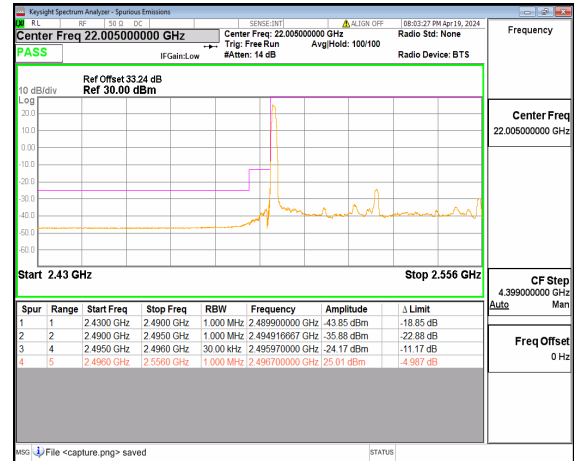
n41 50M DFT-s-OFDM QPSK Outer_Full Low



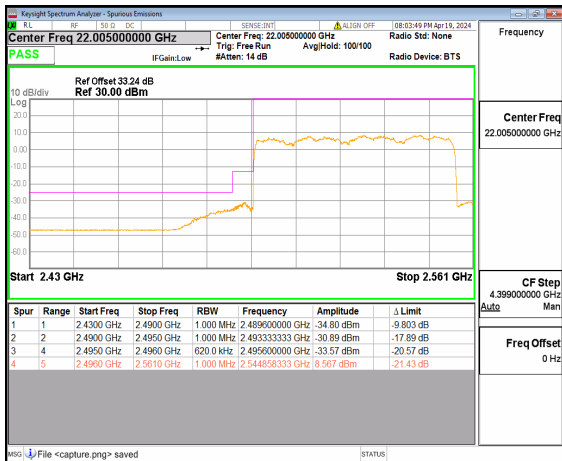
n41 50M DFT-s-OFDM QPSK Edge_1RB_Left Low



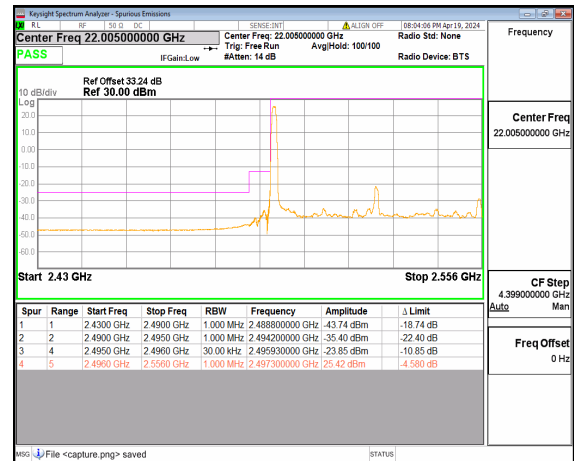
n41 60M DFT-s-OFDM BPSK Outer_Full Low



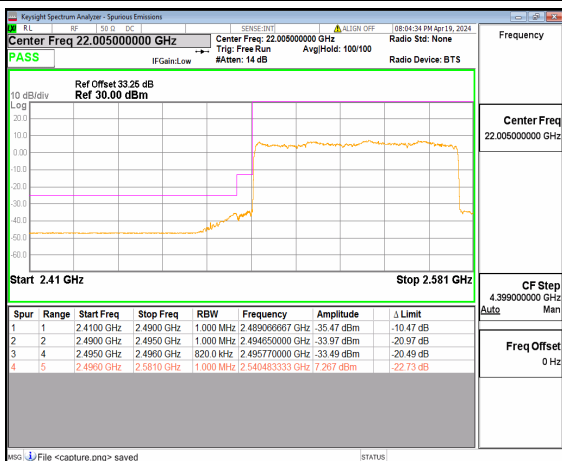
n41 60M DFT-s-OFDM BPSK Edge_1RB_Left Low



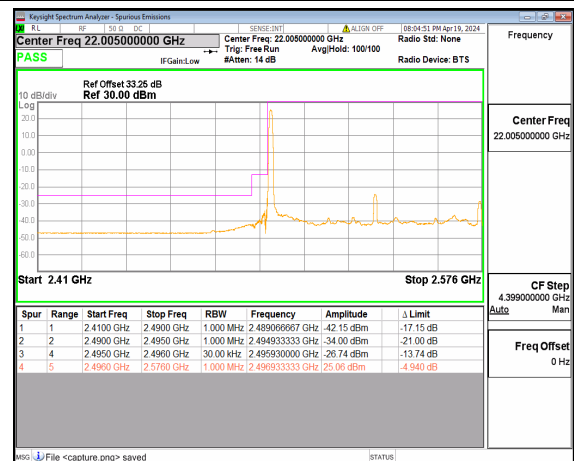
n41 60M DFT-s-OFDM QPSK Outer_Full Low



n41 60M DFT-s-OFDM QPSK Edge_1RB_Left Low



n41 80M DFT-s-OFDM BPSK Outer_Full Low



n41 80M DFT-s-OFDM BPSK Edge_1RB_Left Low