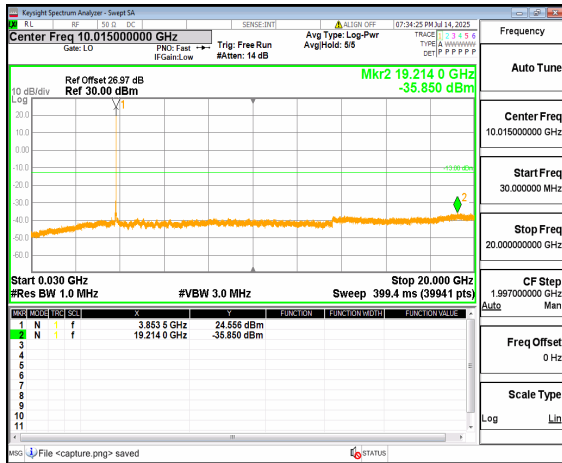
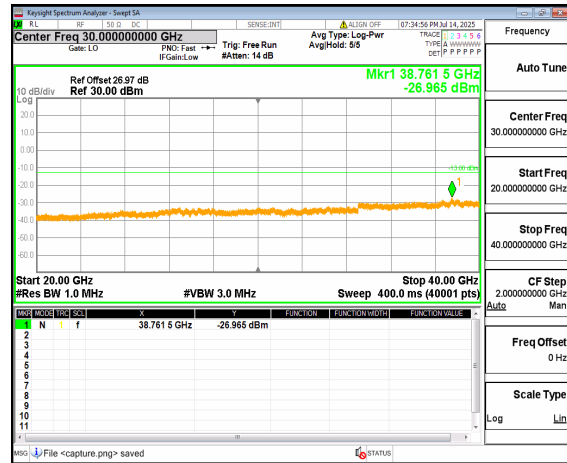
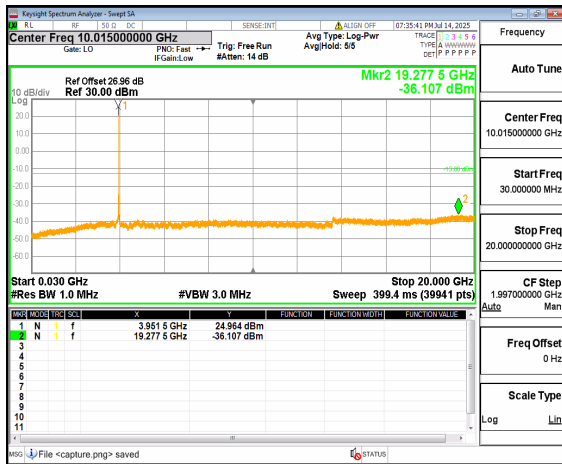




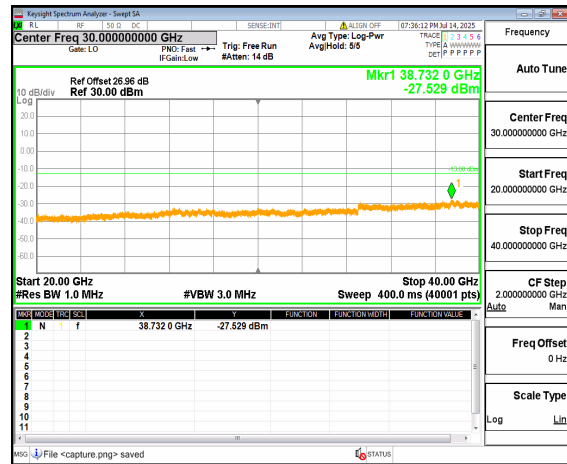
n77(3700-3980MHz) (30MHz-20GHz) 30M
DFT-s-OFDM QPSK Inner_1RB_Right Mid



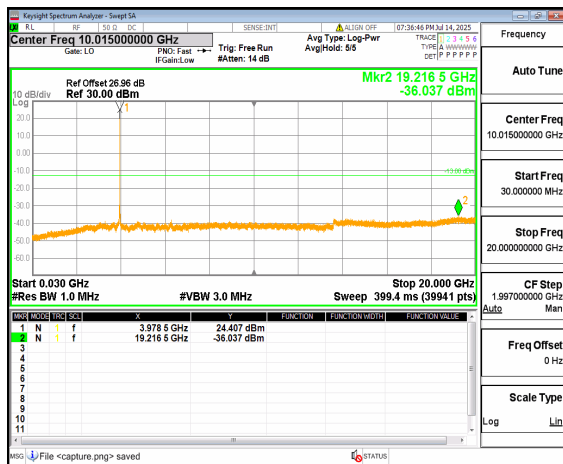
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DFT-s-OFDM QPSK Inner_1RB_Right Mid



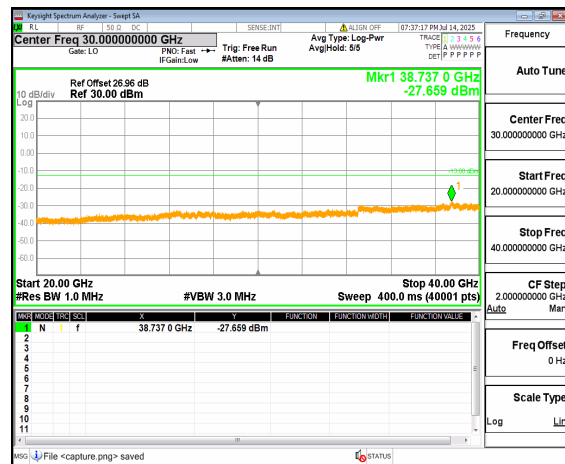
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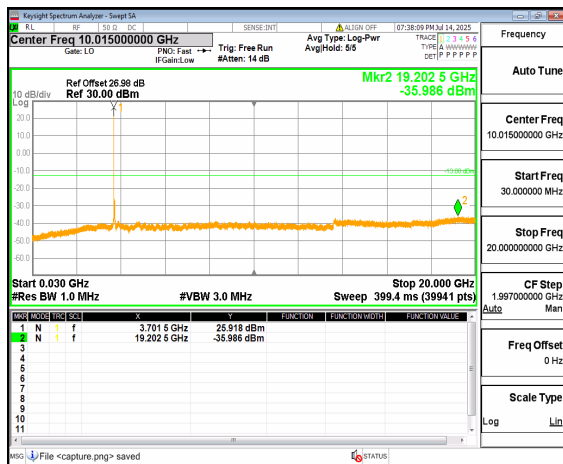
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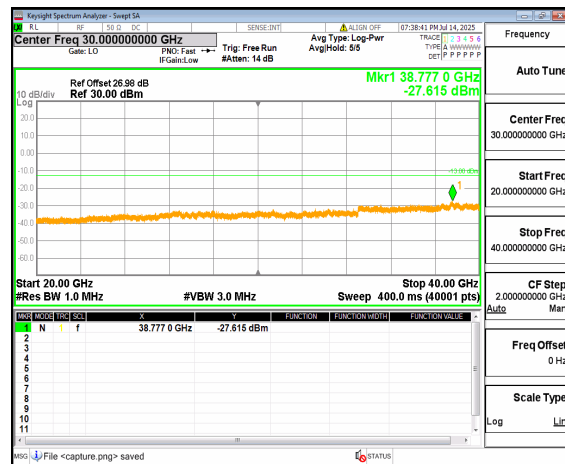
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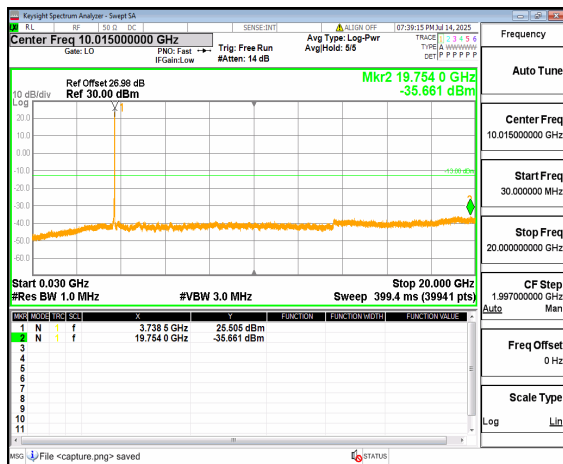
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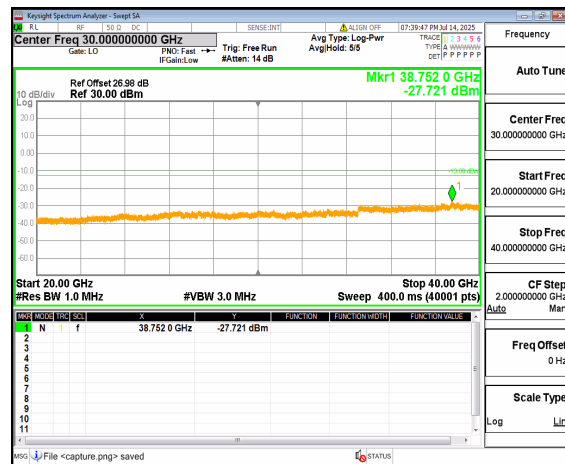
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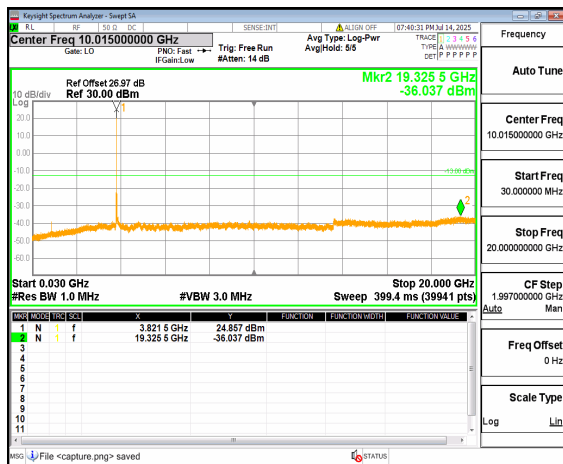
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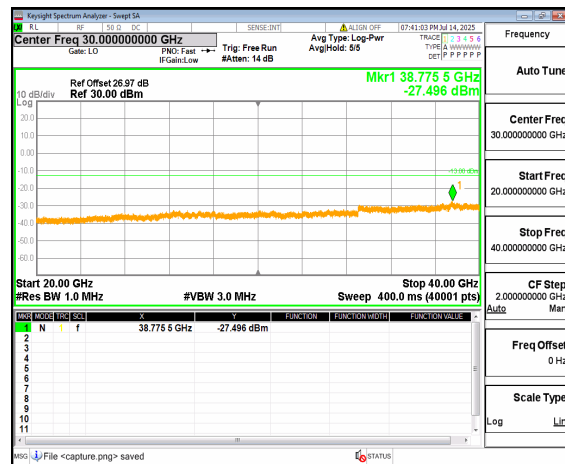
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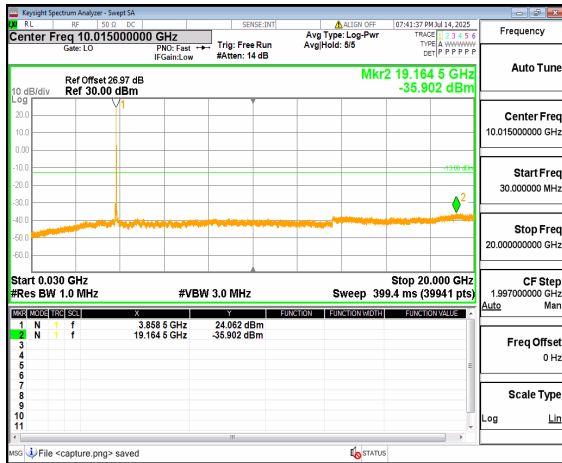
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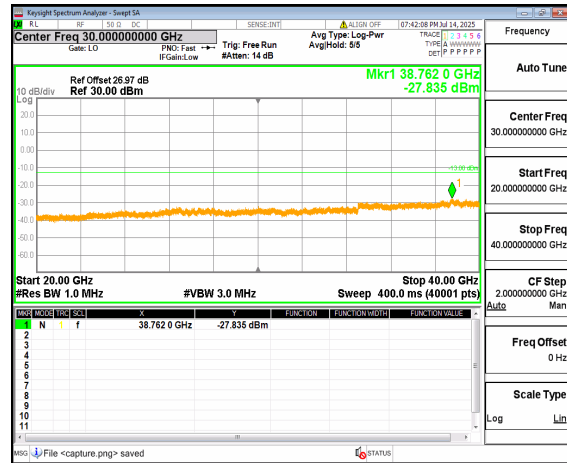
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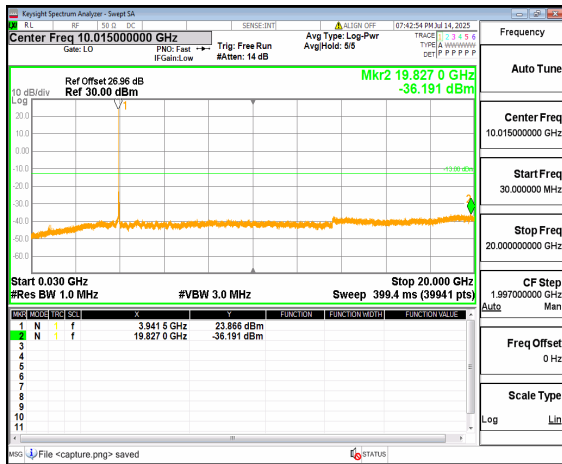
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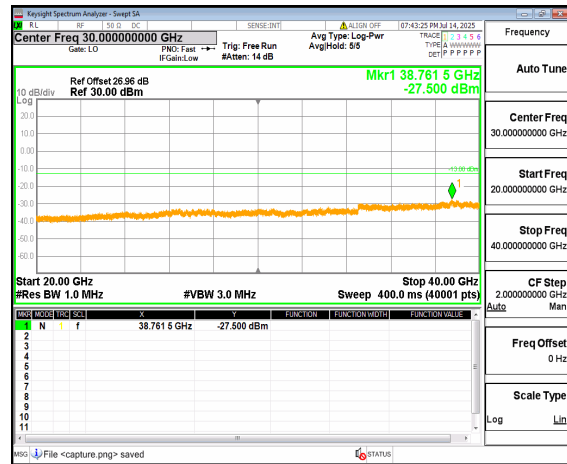
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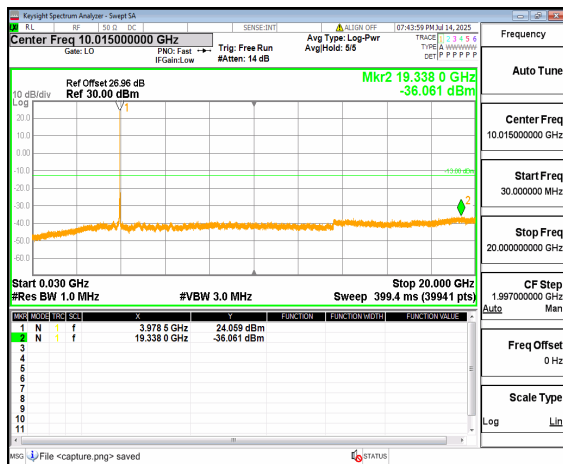
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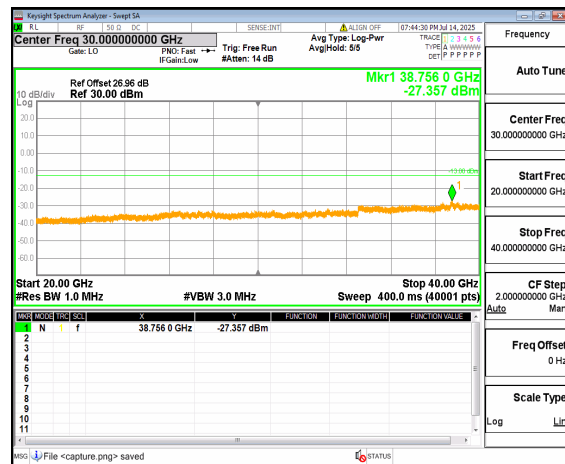
n77(3700-3980MHz) (30MHz-20GHz) 40M
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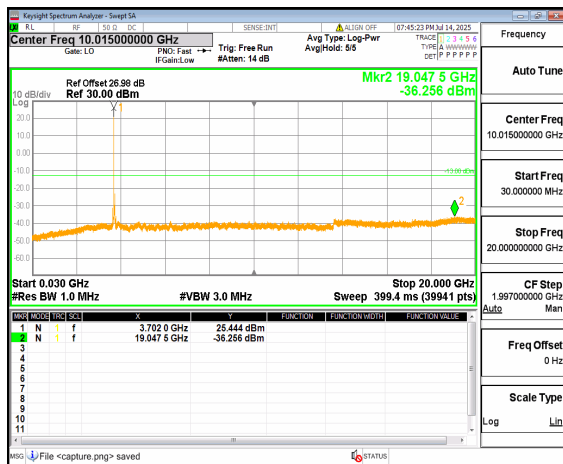
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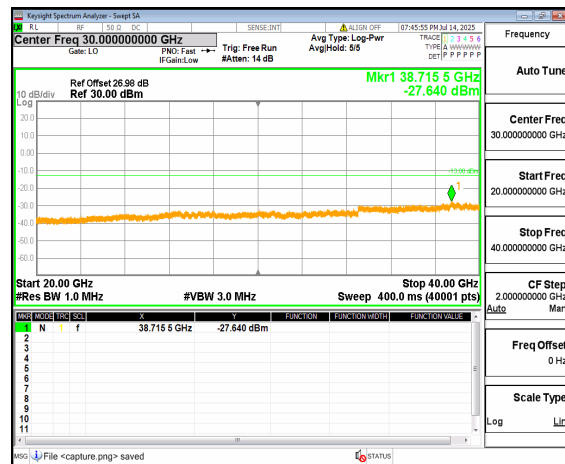
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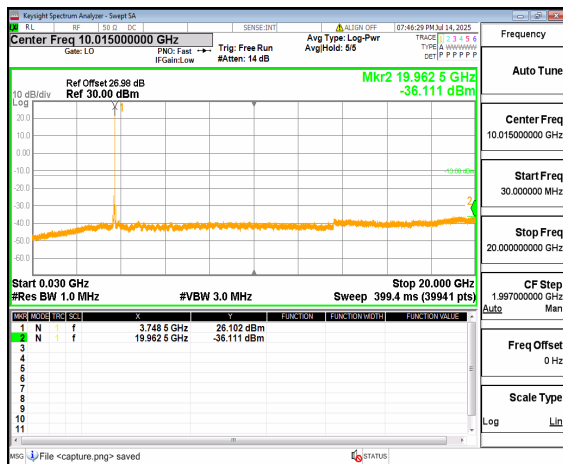
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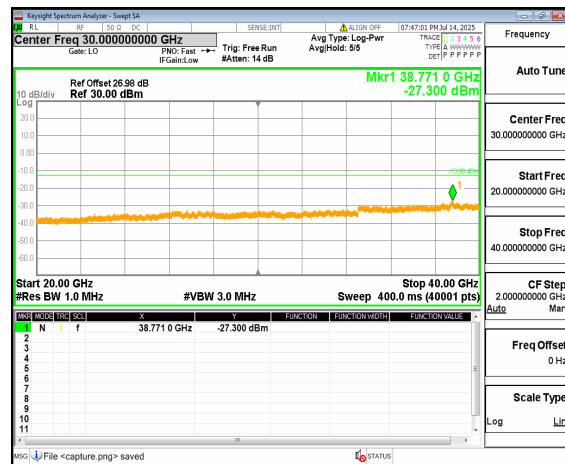
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DFT-s-OFDM QPSK Inner_1RB_Left Low



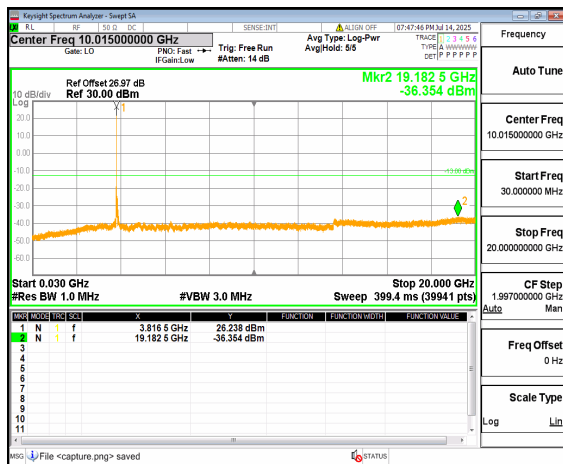
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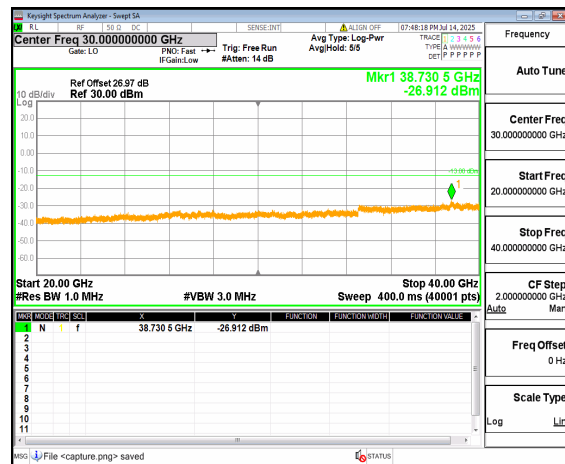
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DFT-s-OFDM QPSK Inner_1RB_Right Low



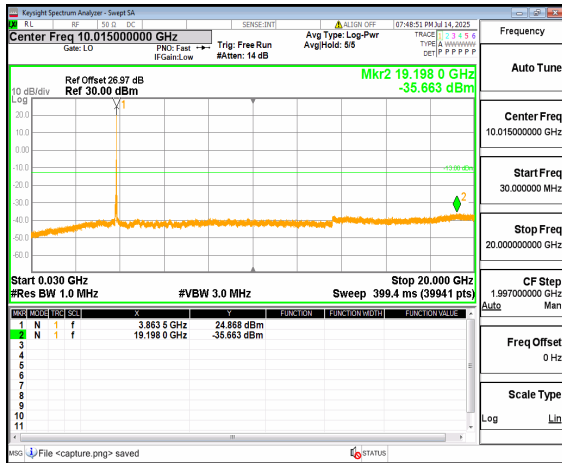
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DFT-s-OFDM QPSK Inner_1RB_Right Low



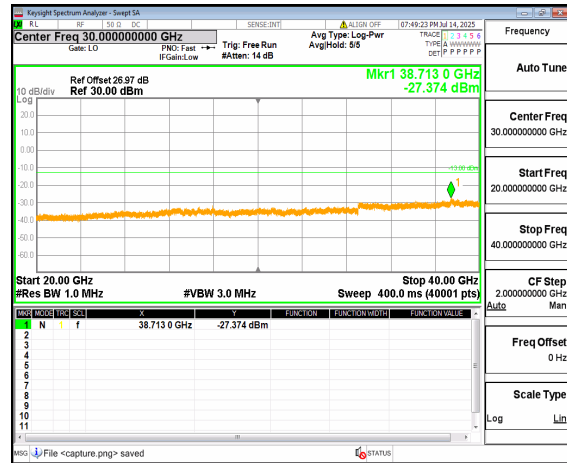
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DFT-s-OFDM QPSK Inner_1RB_Left Mid



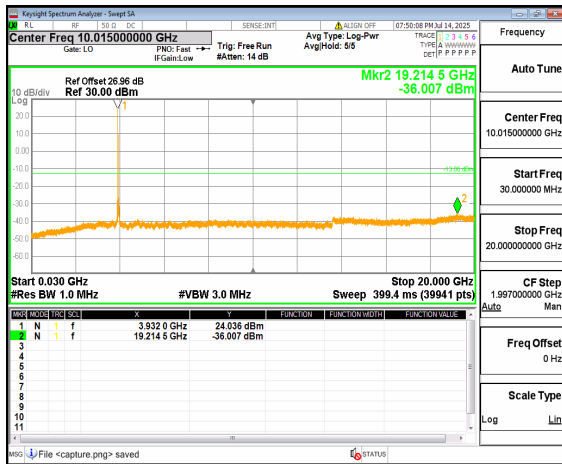
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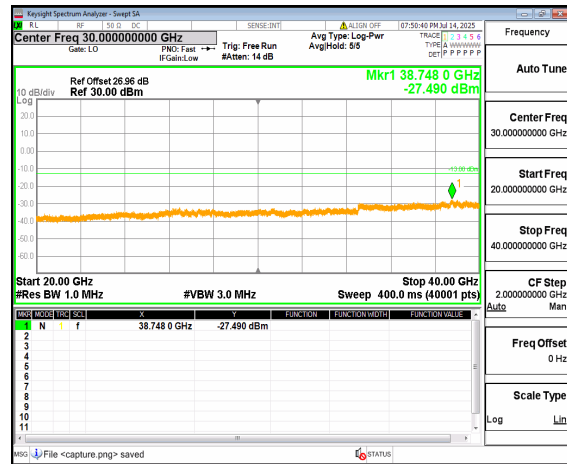
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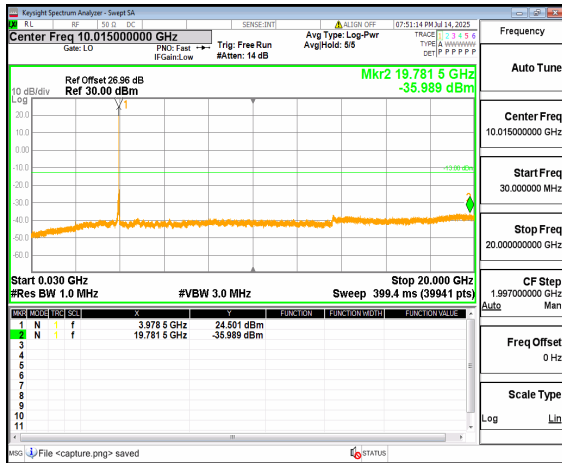
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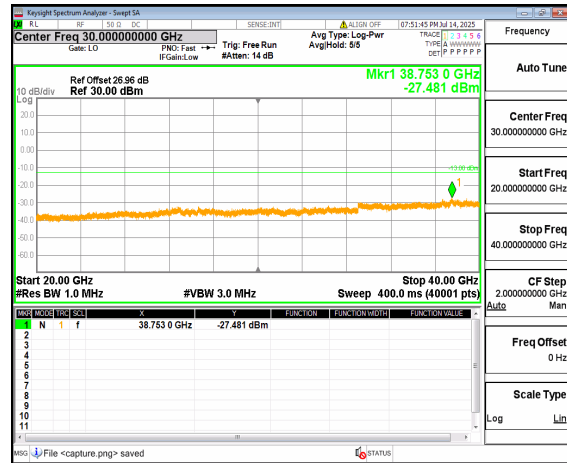
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DFT-s-OFDM QPSK Inner_1RB_Left High



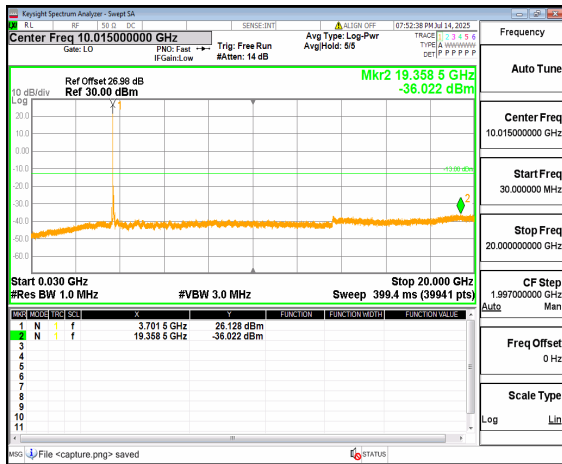
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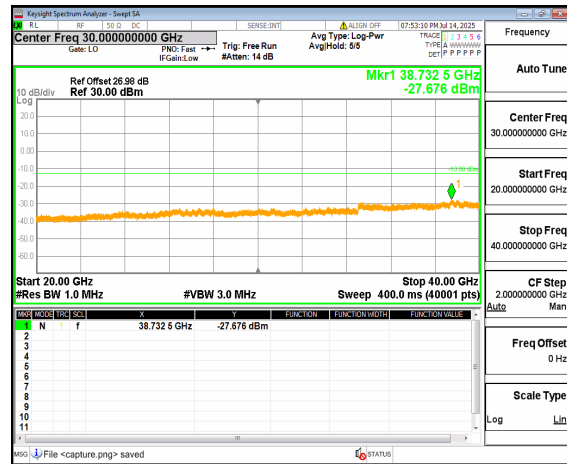
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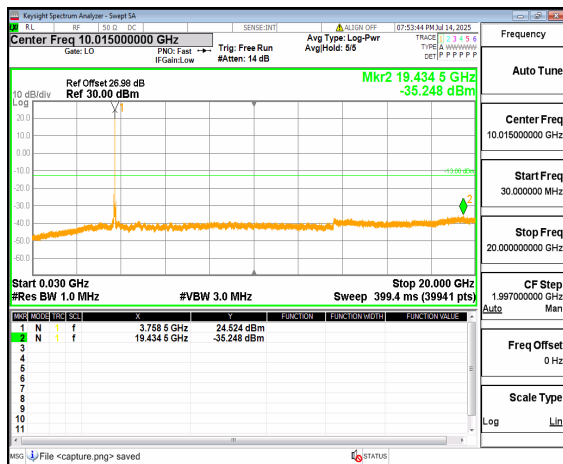
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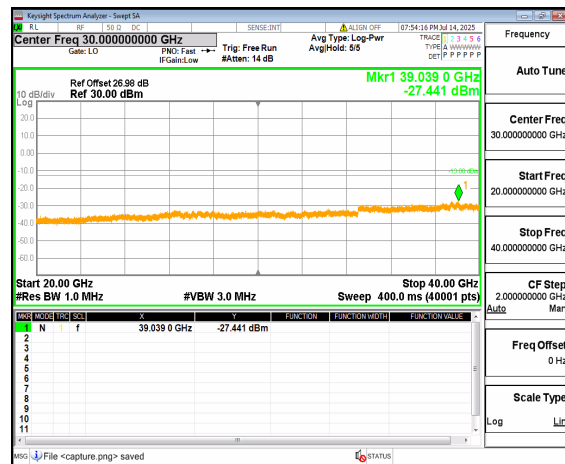
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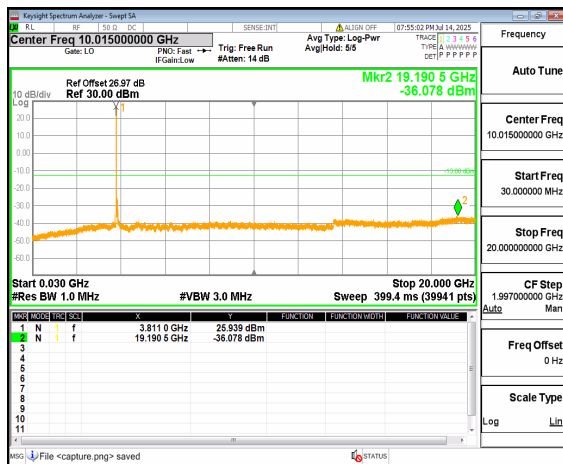
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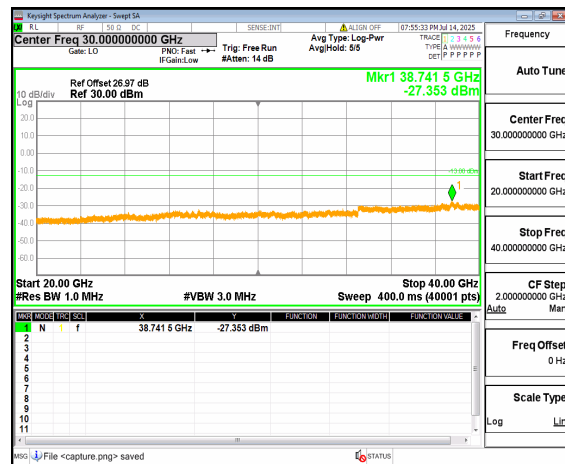
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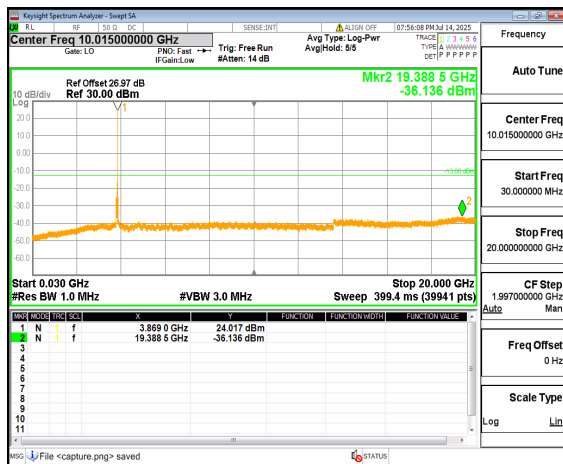
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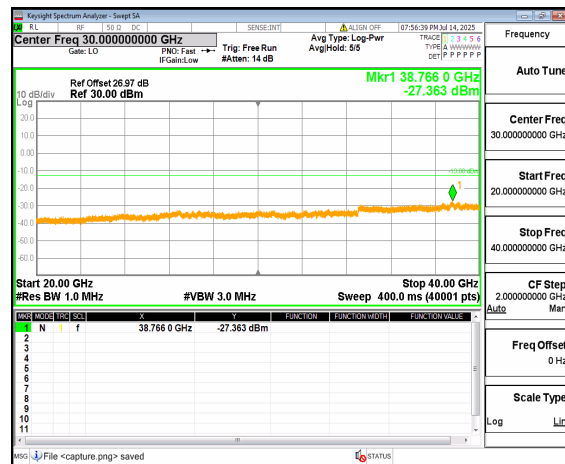
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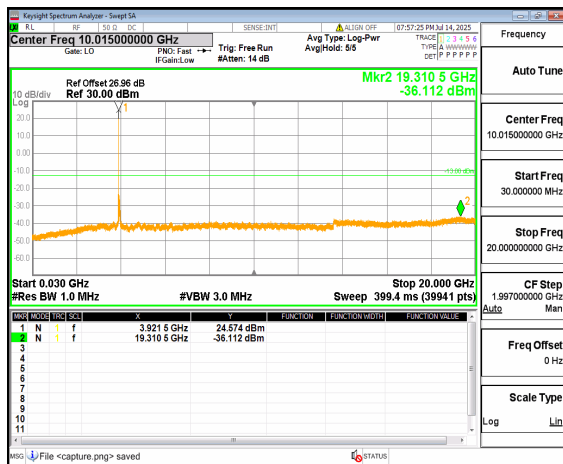
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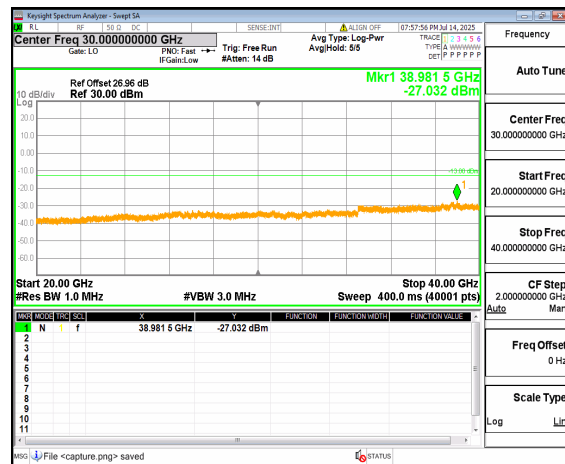
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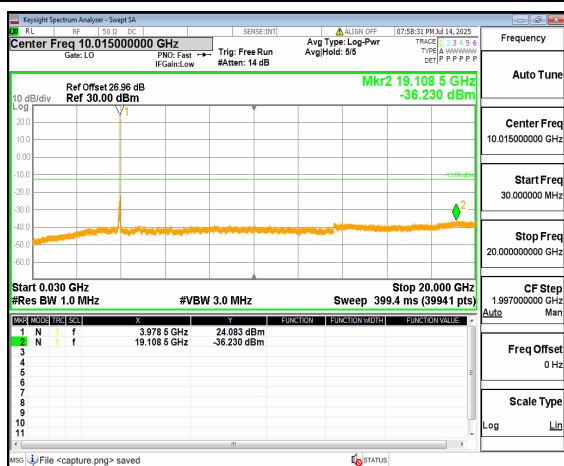
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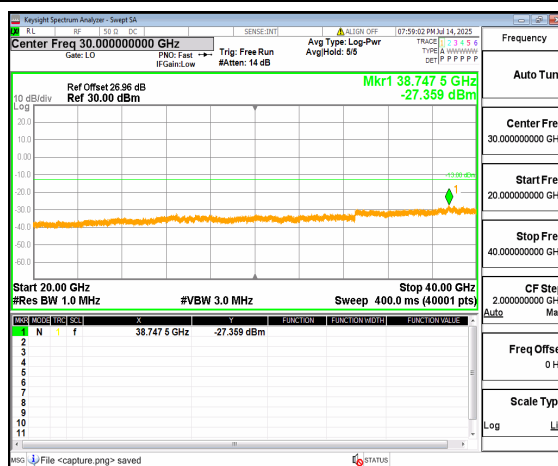
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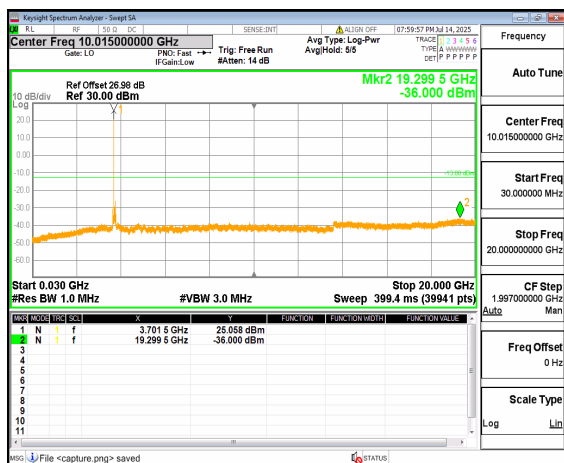
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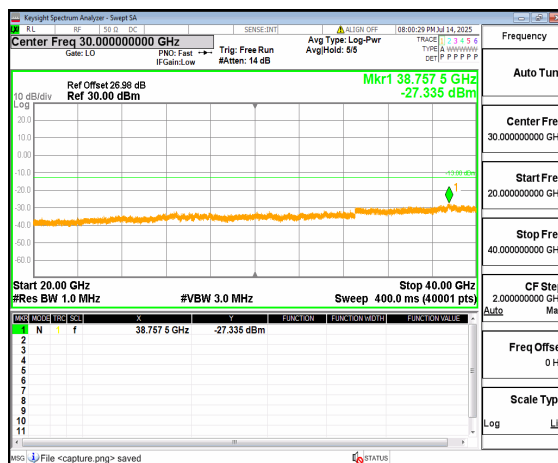
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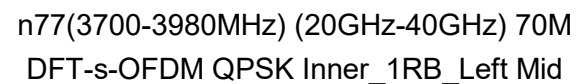
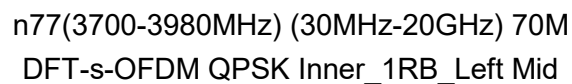
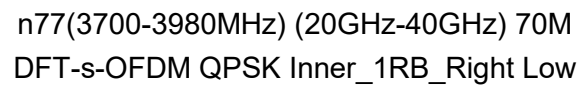
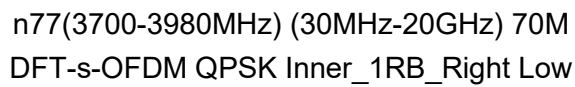
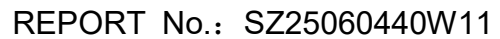
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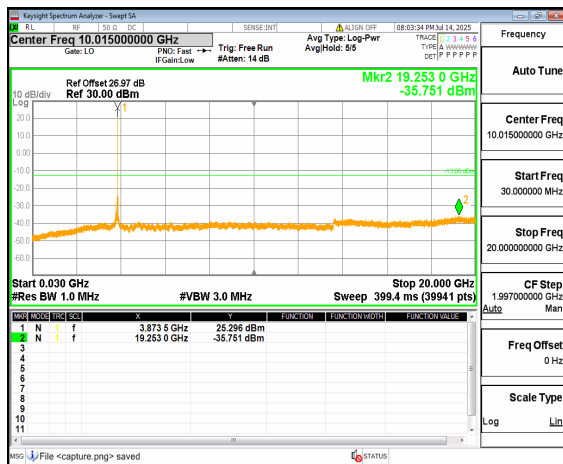


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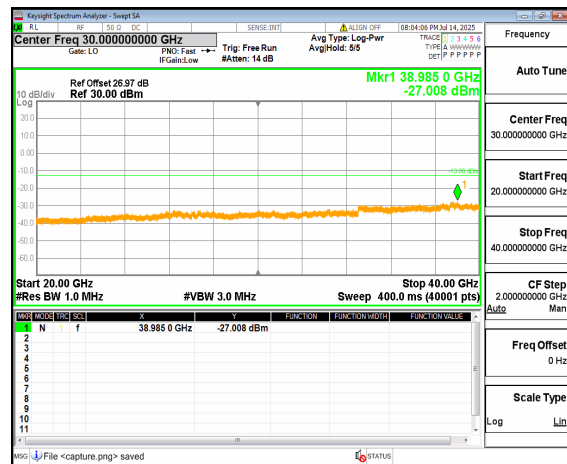


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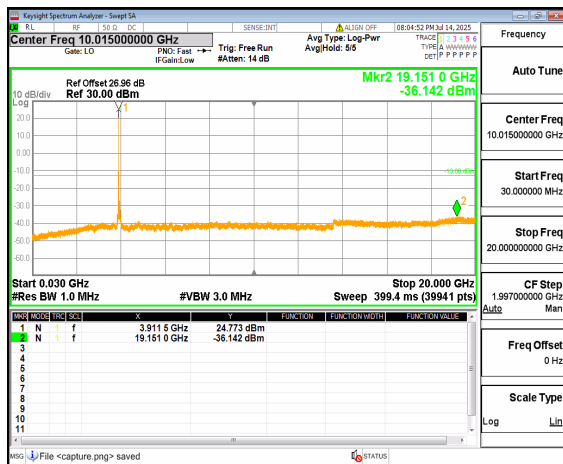




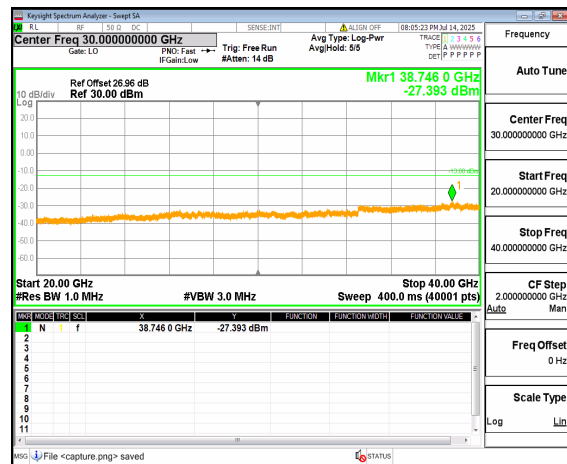
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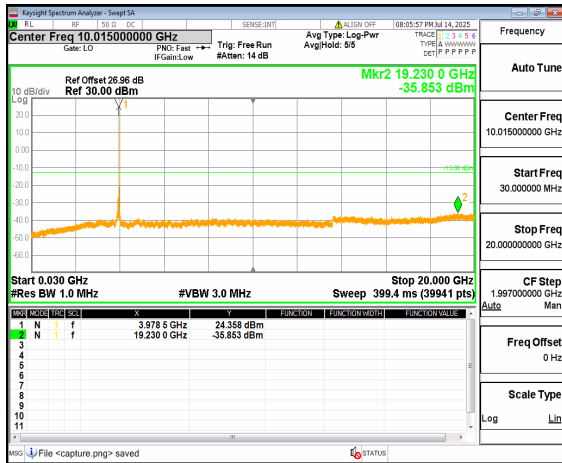
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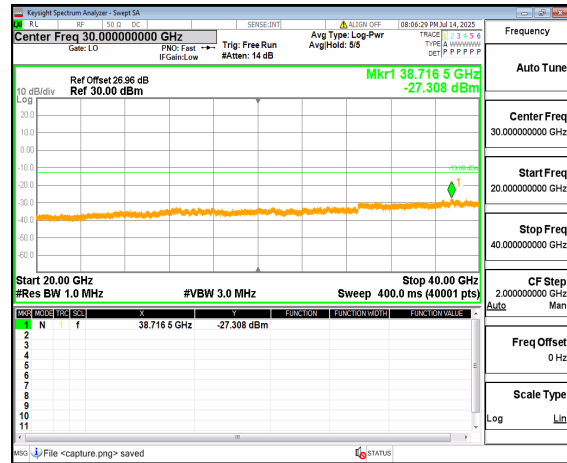
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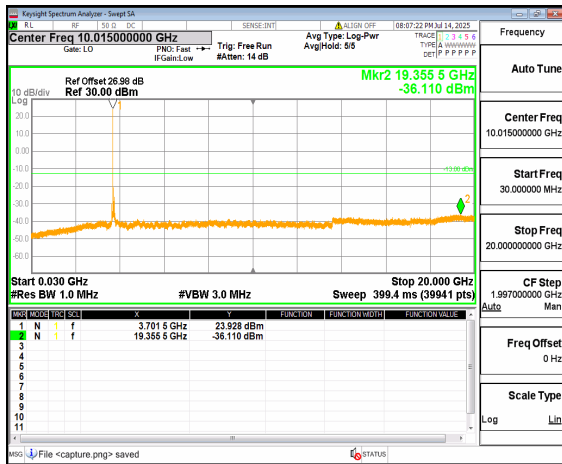
n77(3700-3980MHz) (20GHz-40GHz) 70M
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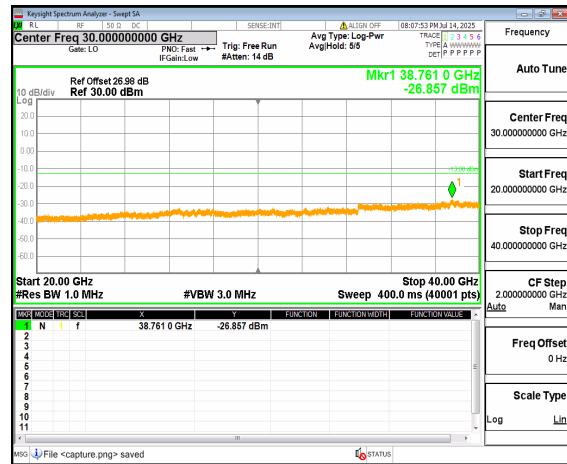
n77(3700-3980MHz) (30MHz-20GHz) 70M
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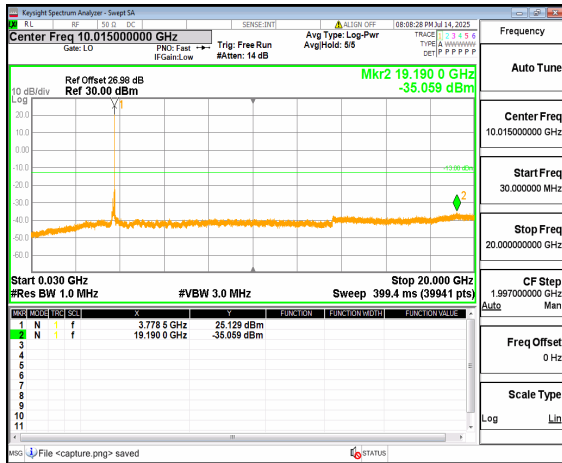
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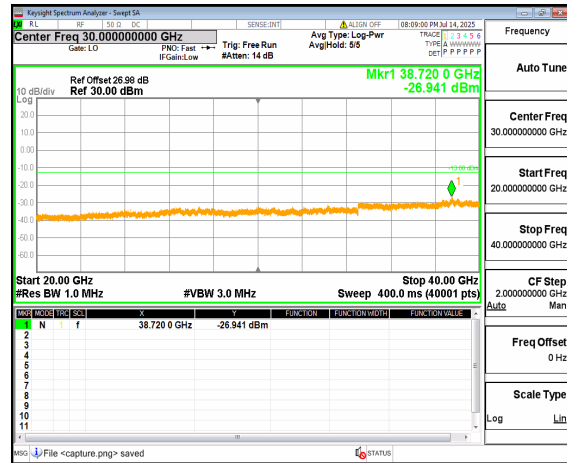
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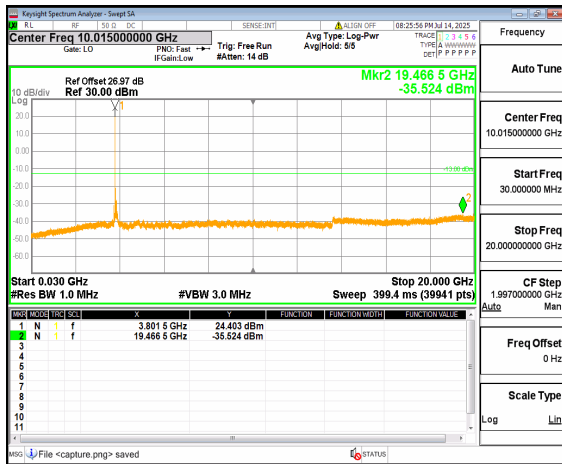
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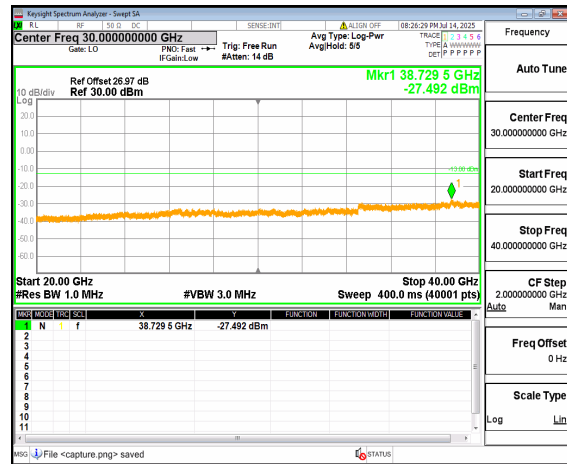
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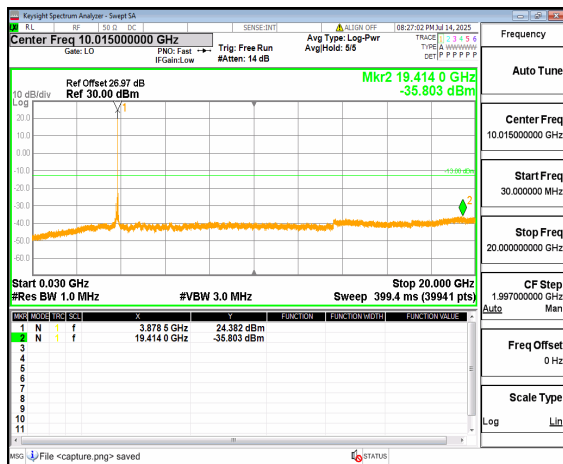
n77(3700-3980MHz) (20GHz-40GHz) 80M
DFT-s-OFDM QPSK Inner_1RB_Right Low



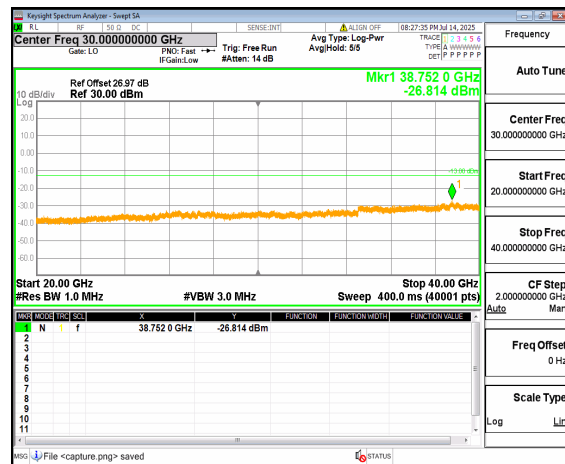
n77(3700-3980MHz) (30MHz-20GHz) 80M
DFT-s-OFDM QPSK Inner_1RB_Left Mid



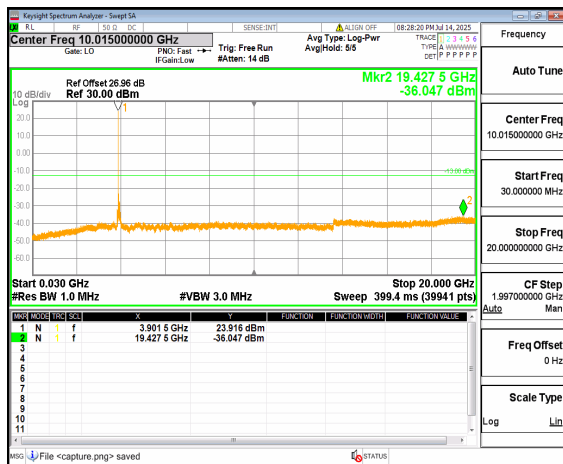
n77(3700-3980MHz) (20GHz-40GHz) 80M
DFT-s-OFDM QPSK Inner_1RB_Left Mid



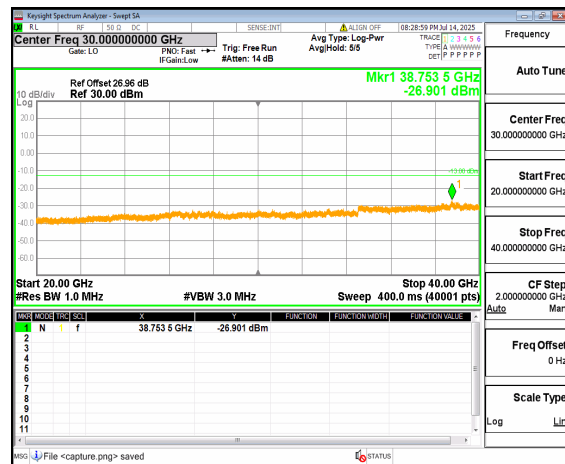
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DFT-s-OFDM QPSK Inner_1RB_Right Mid



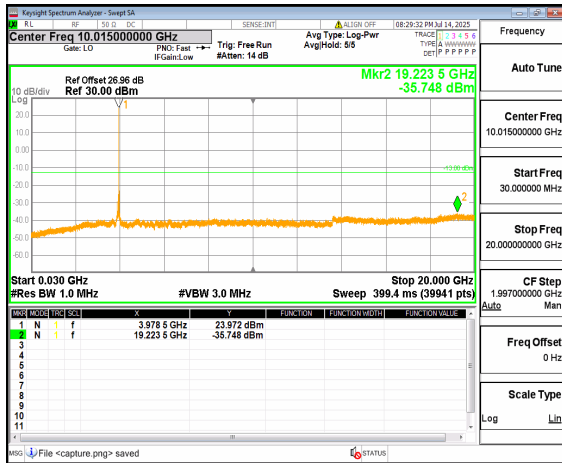
n77(3700-3980MHz) (20GHz-40GHz) 80M
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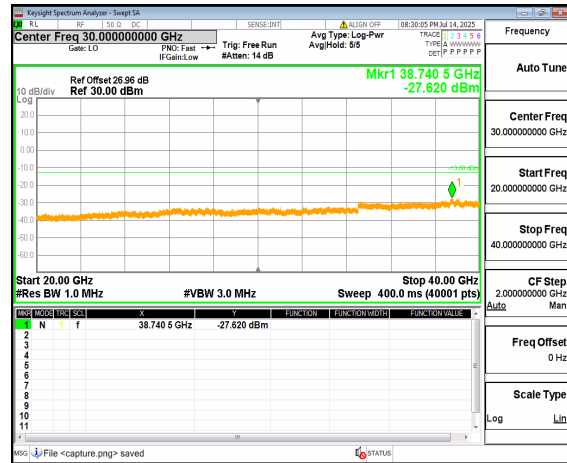
n77(3700-3980MHz) (30MHz-20GHz) 80M
DFT-s-OFDM QPSK Inner_1RB_Left High



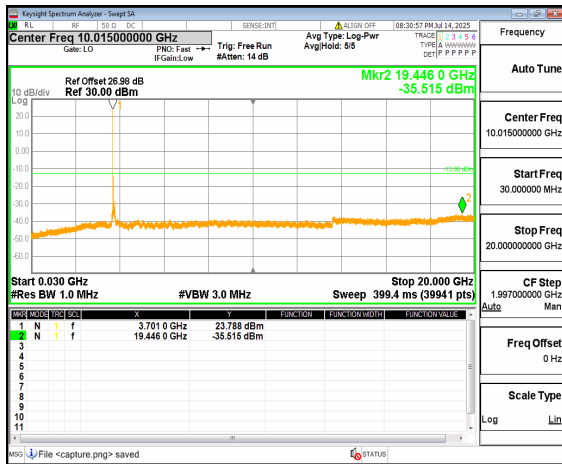
n77(3700-3980MHz) (20GHz-40GHz) 80M
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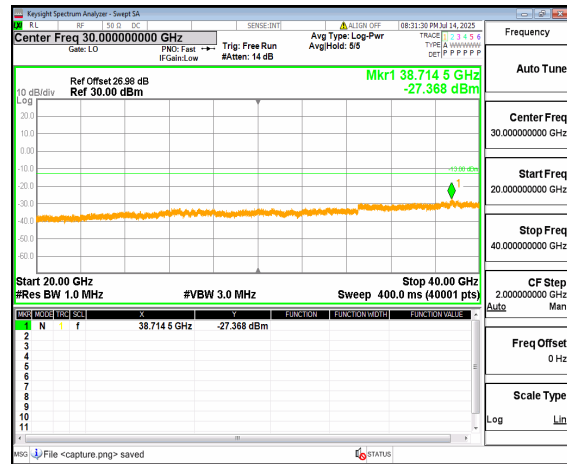
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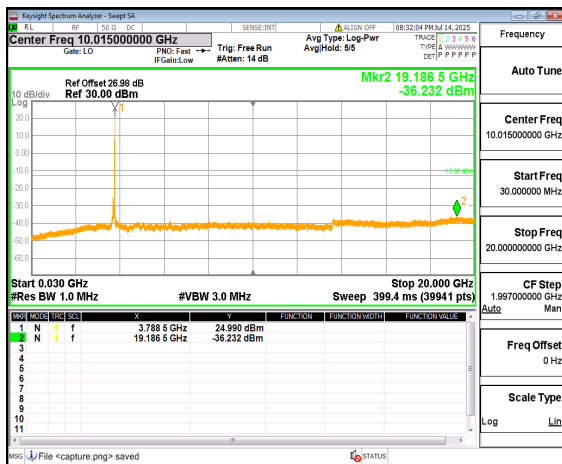
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DFT-s-OFDM QPSK Inner_1RB_Right High



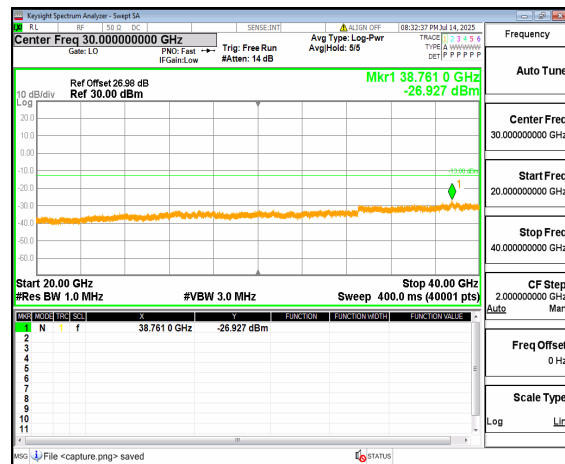
n77(3700-3980MHz) (30MHz-20GHz) 90M
DFT-s-OFDM QPSK Inner_1RB_Left Low



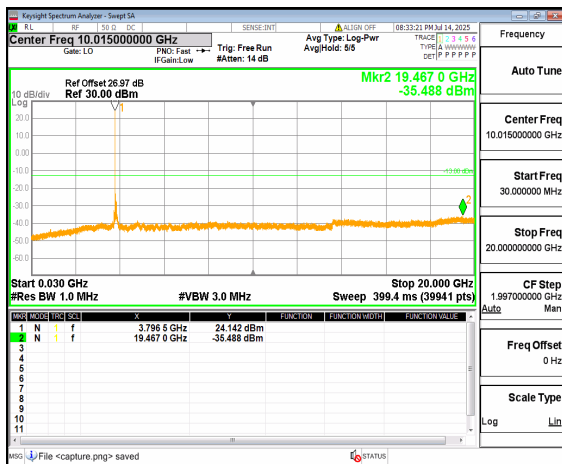
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DFT-s-OFDM QPSK Inner_1RB_Left Low



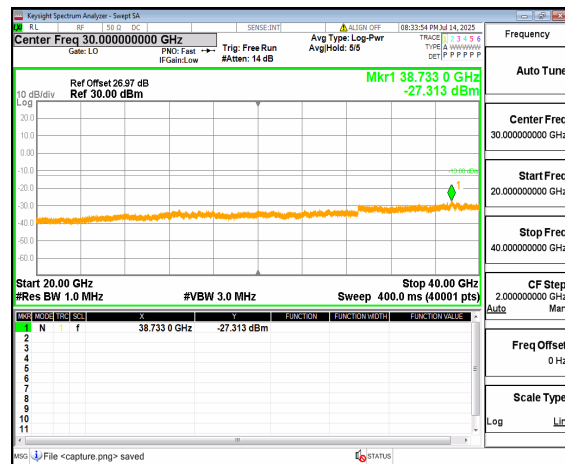
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DFT-s-OFDM QPSK Inner_1RB_Right Low



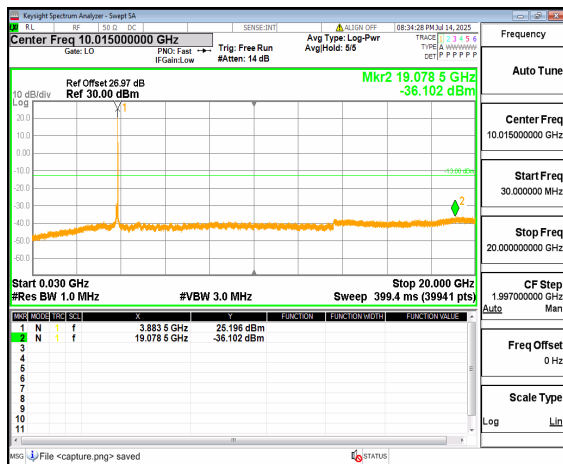
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DFT-s-OFDM QPSK Inner_1RB_Right Low



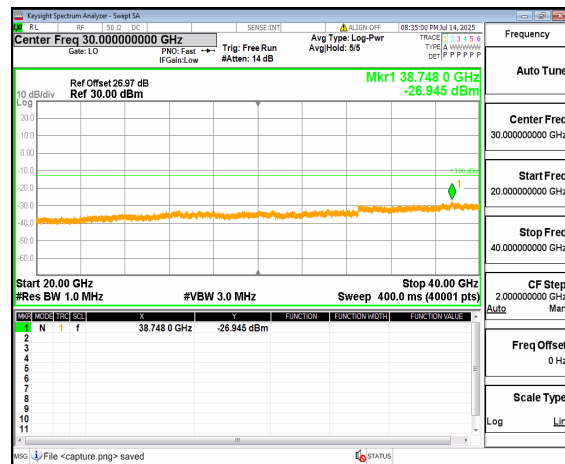
n77(3700-3980MHz) (30MHz-20GHz) 90M
DFT-s-OFDM QPSK Inner_1RB_Left Mid



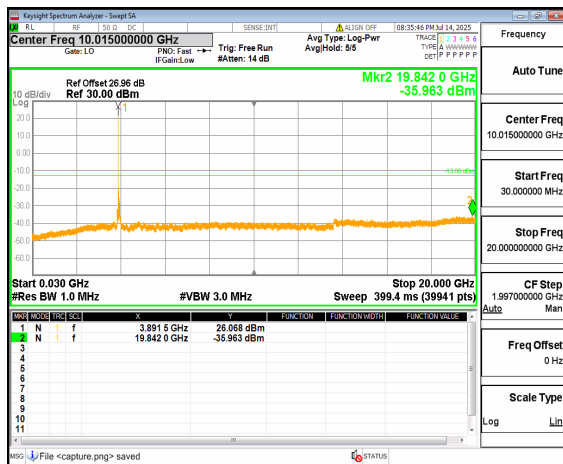
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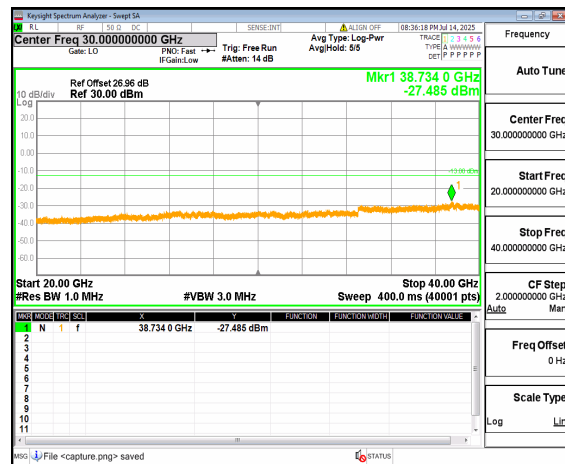
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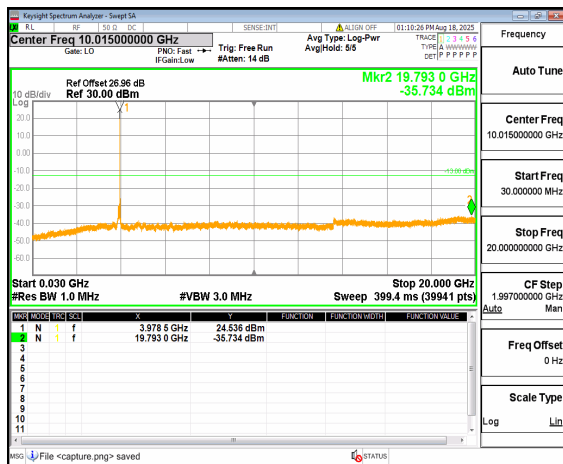
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DFT-s-OFDM QPSK Inner_1RB_Right Mid



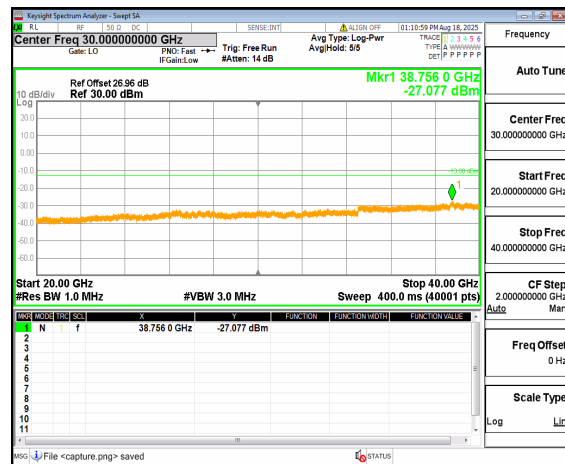
n77(3700-3980MHz) (30MHz-20GHz) 90M
DFT-s-OFDM QPSK Inner_1RB_Left High



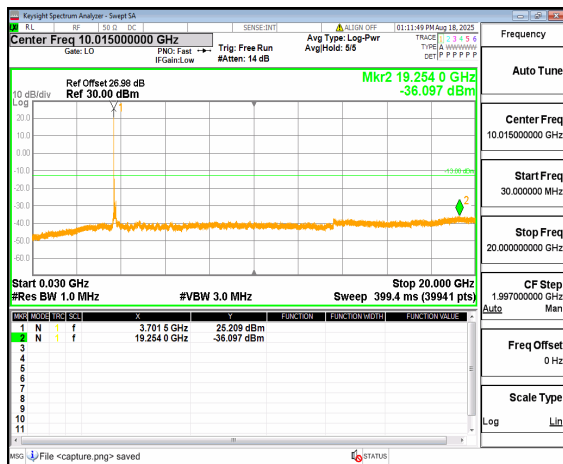
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DFT-s-OFDM QPSK Inner_1RB_Left High



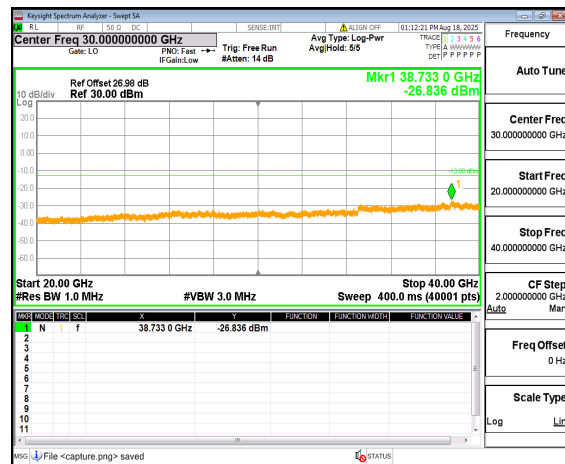
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DFT-s-OFDM QPSK Inner_1RB_Right High



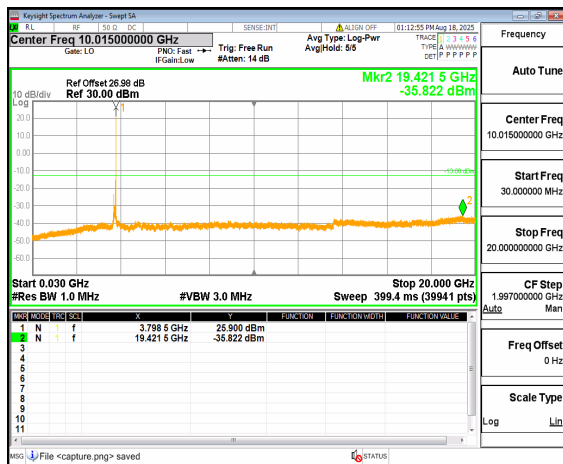
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DFT-s-OFDM QPSK Inner_1RB_Right High



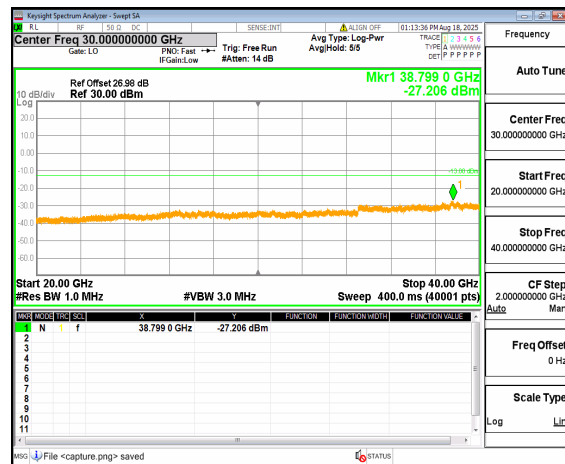
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DFT-s-OFDM QPSK Inner_1RB_Left Low



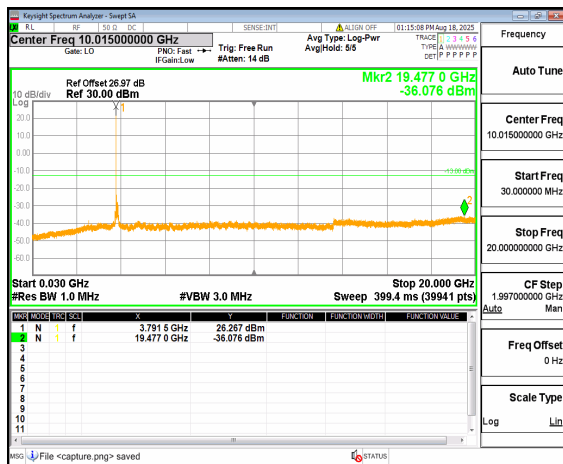
n77(3700-3980MHz) (20GHz-40GHz) 100M
DFT-s-OFDM QPSK Inner_1RB_Left Low



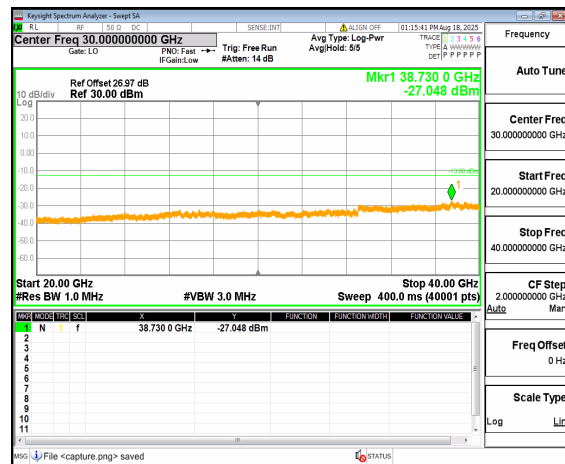
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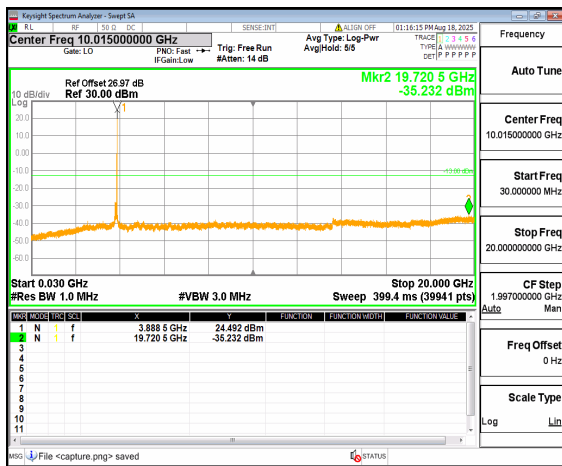
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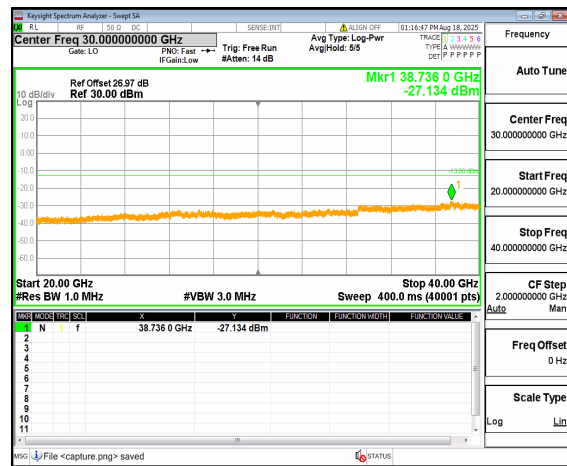
n77(3700-3980MHz) (30MHz-20GHz) 100M
DFT-s-OFDM QPSK Inner_1RB_Left Mid



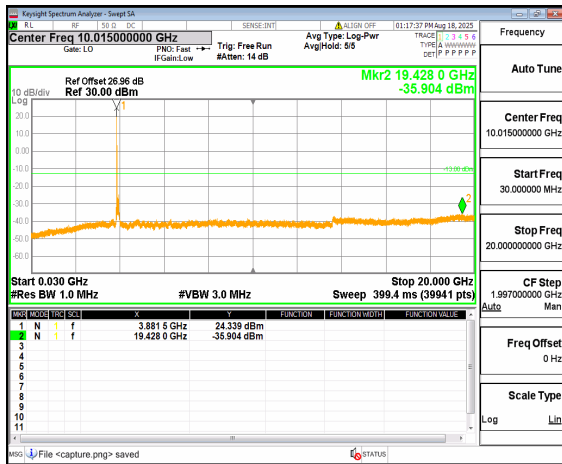
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DFT-s-OFDM QPSK Inner_1RB_Left Mid



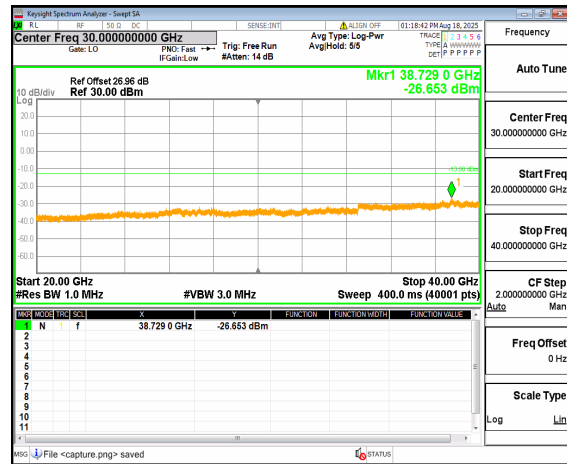
n77(3700-3980MHz) (30MHz-20GHz) 100M
DFT-s-OFDM QPSK Inner_1RB_Right Mid



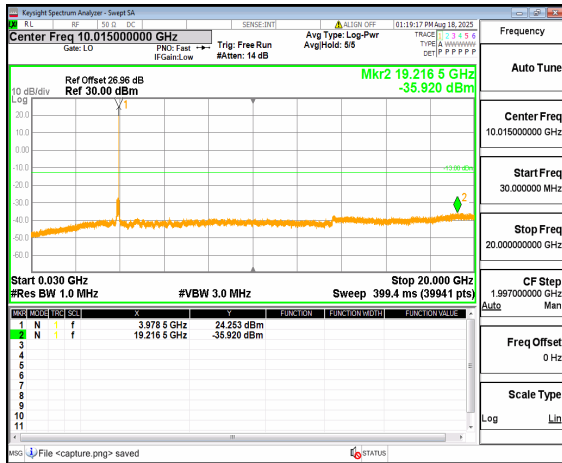
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DFT-s-OFDM QPSK Inner_1RB_Right Mid



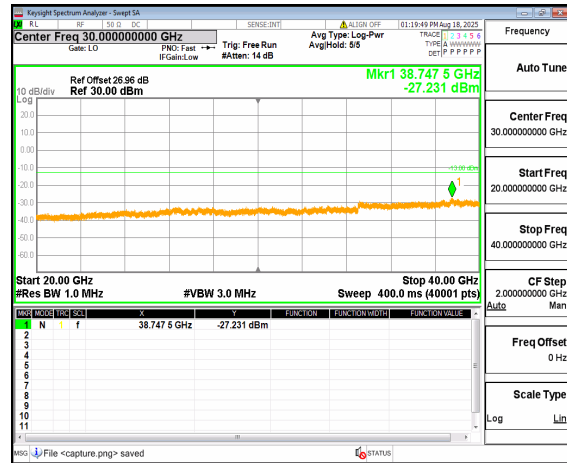
n77(3700-3980MHz) (30MHz-20GHz) 100M
DFT-s-OFDM QPSK Inner_1RB_Left High



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



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



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

2.6. Band Edge

2.6.1.Requirement

n2, 25

According to FCC section 24.238(a), for operations in the 1850–1910MHz bands, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dBm a 1MHz bandwidth. However, in the 1 MHz 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.

n5

According to FCC section 22.917(a), for operations in the 824–849MHz bands, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dBm a 100kHz bandwidth. However, in the 1 MHz 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.

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.



n 71

According to FCC section 27.53(g), for operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

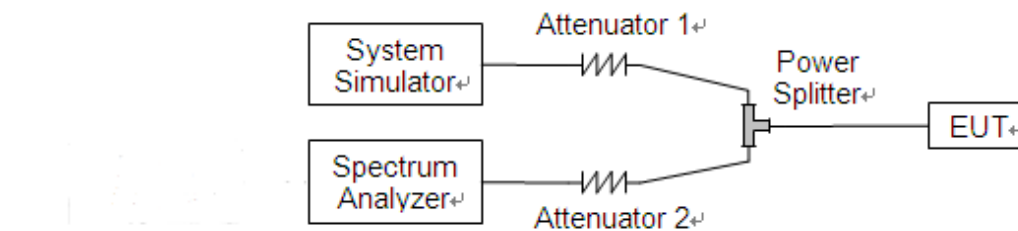
n66

According to FCC section 27.53(h), for operations in the 1710–1755 MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dBm 1 MHz bandwidth. However, in the 1 MHz 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.

n77 (3450-3550 MHz)

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.

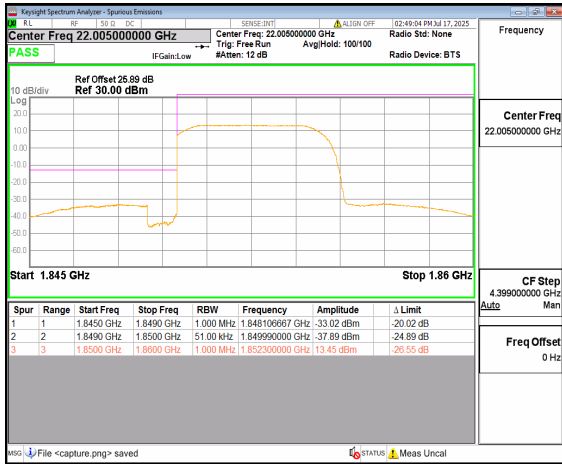
2.6.3. Test procedure

KDB 971168 D01v03 Section 6.0, ANSI/TIA-603-E-2016 and ANSI C63.26-2015 Section 5.7.

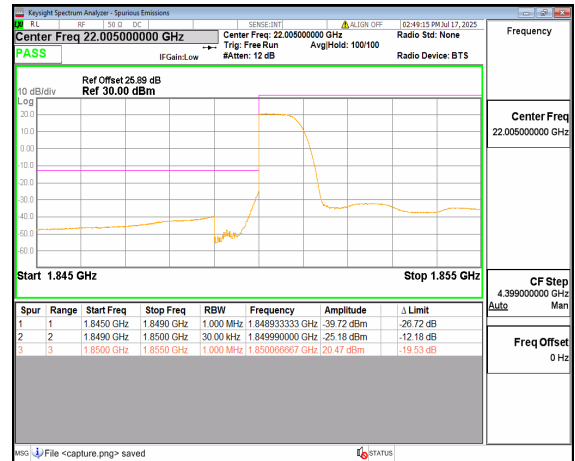
2.6.4. Test Result

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

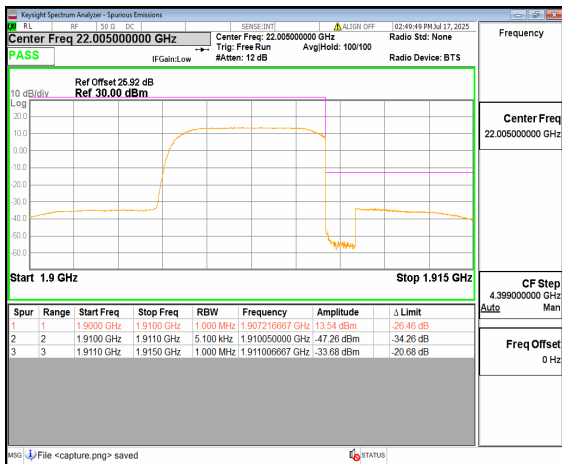
Note: In the same NR frequency band, The measured power in SA mode is higher than that in NSA mode, SA mode is selected to test all test cases.



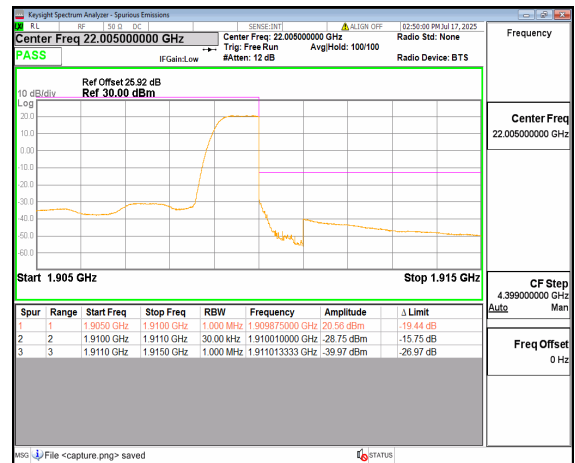
n2 5M DFT-s-OFDM QPSK Outer_Full Low



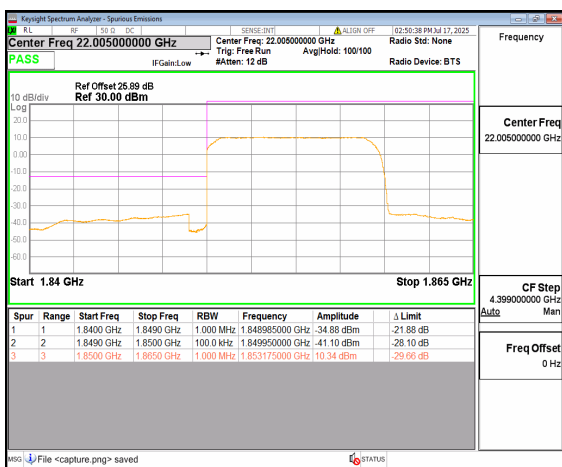
n2 5M DFT-s-OFDM QPSK Edge_1RB_Left Low



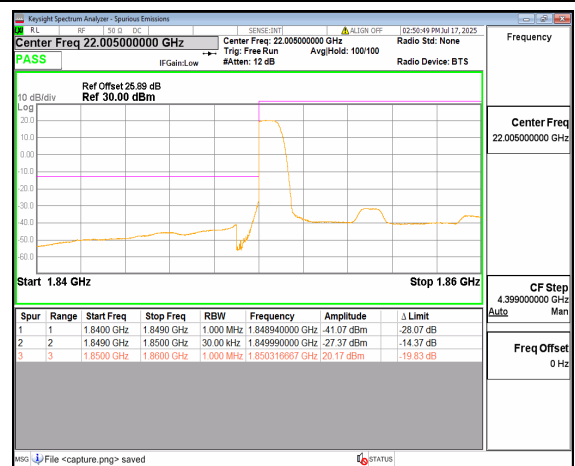
n2 5M DFT-s-OFDM QPSK Outer_Full High



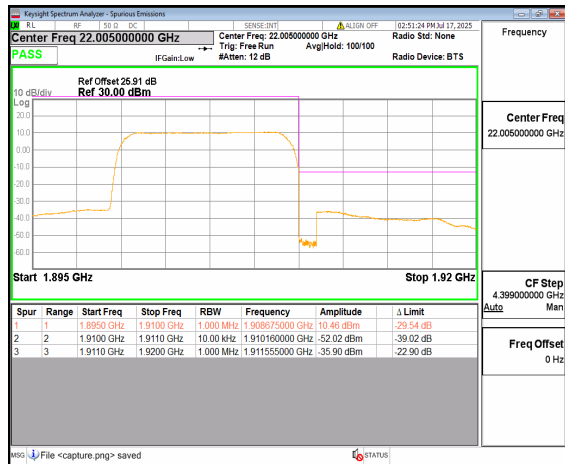
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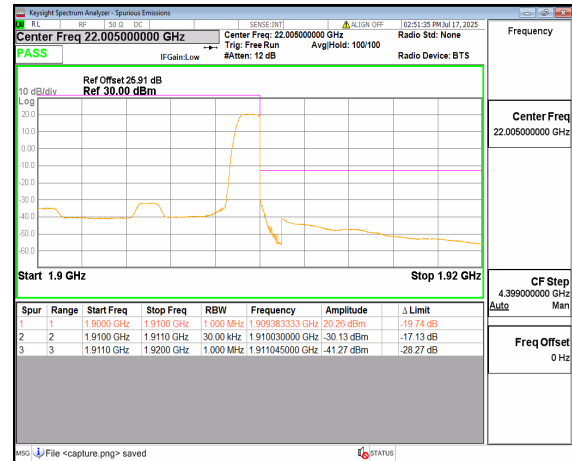
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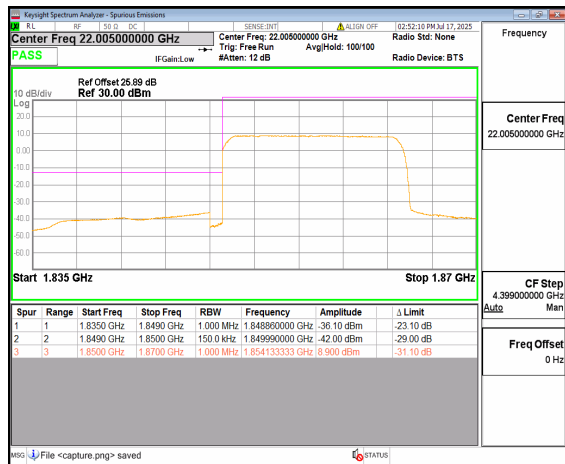
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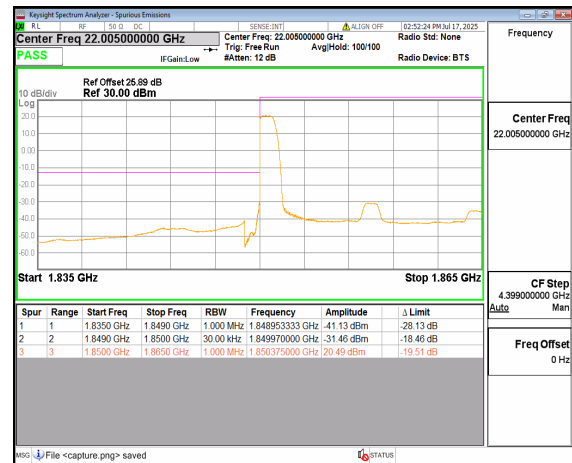
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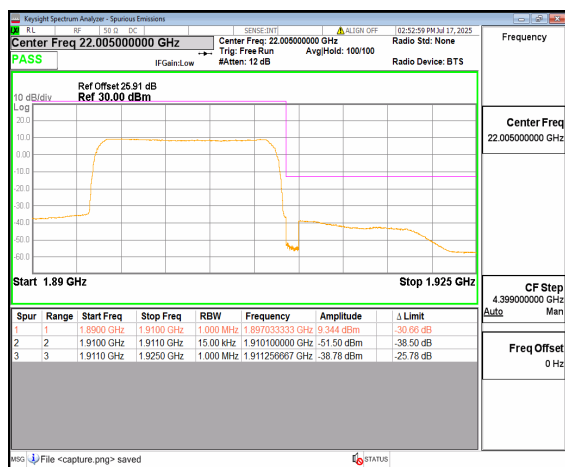
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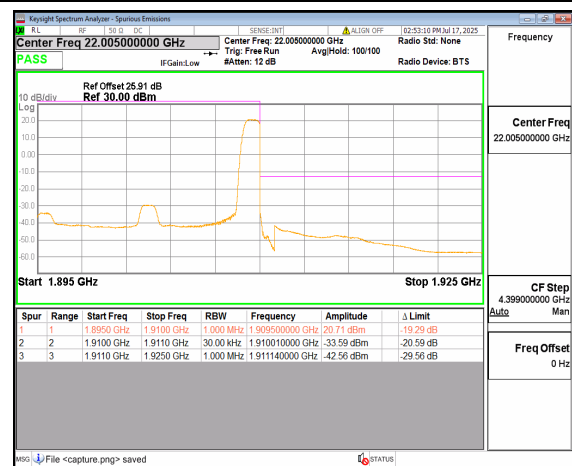
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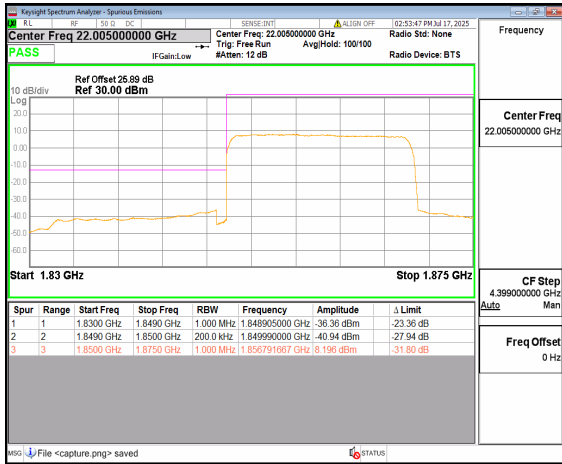
n2 15M DFT-s-OFDM QPSK Edge_1RB_Left Low



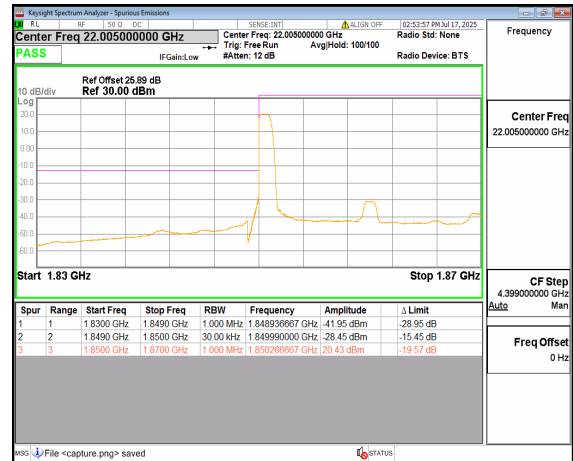
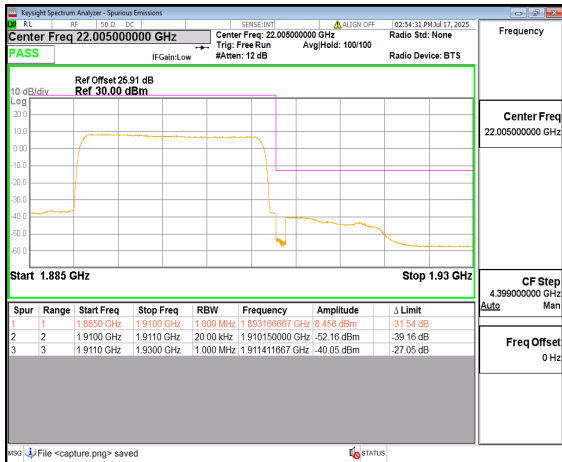
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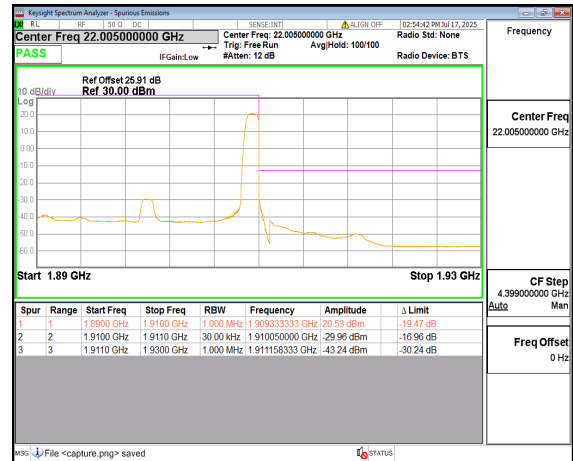
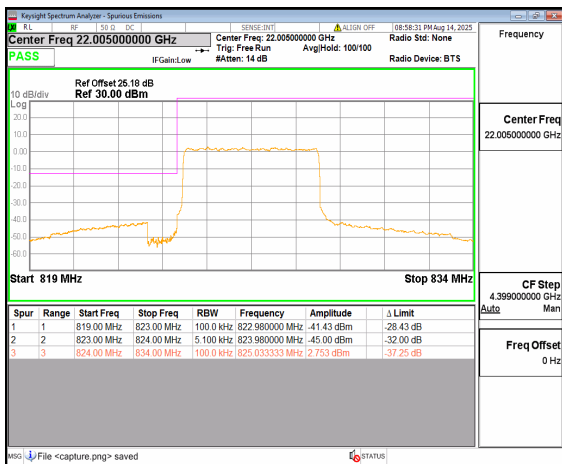
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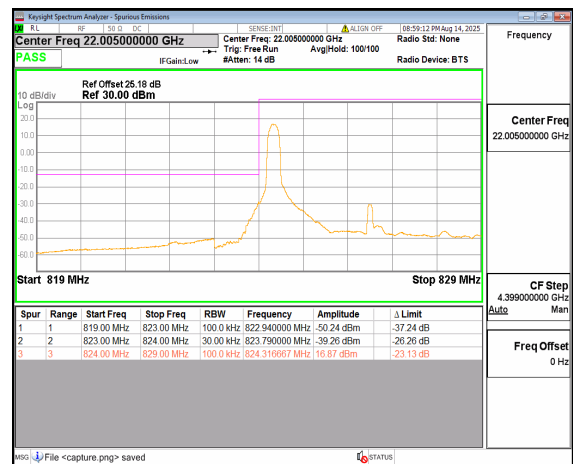
n2 20M DFT-s-OFDM QPSK Outer_Full Low

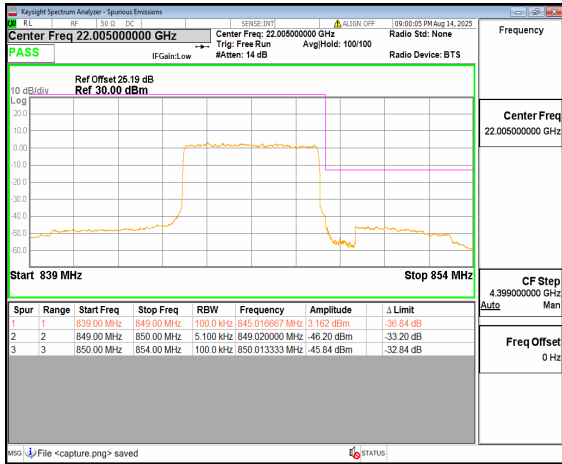
n2 20M DFT-s-OFDM QPSK Edge_1RB_Left
Low

n2 20M DFT-s-OFDM QPSK Outer_Full High

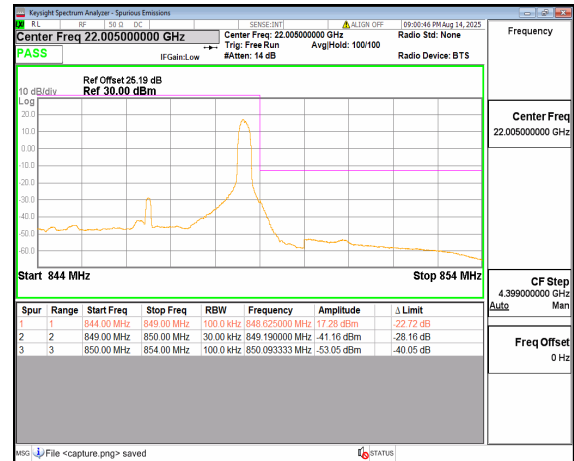
n2 20M DFT-s-OFDM QPSK Edge_1RB_Right
High

n5 5M DFT-s-OFDM QPSK Outer_Full Low

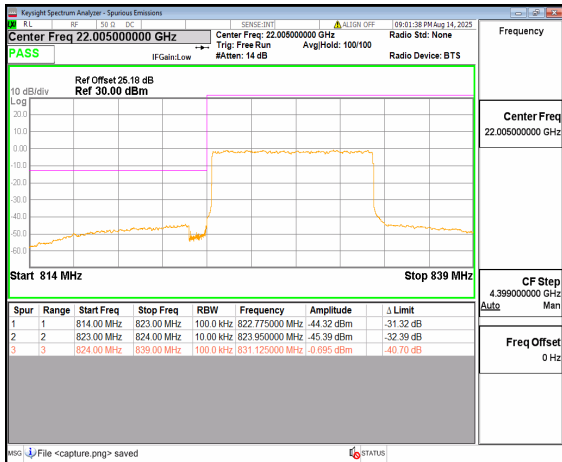
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Low



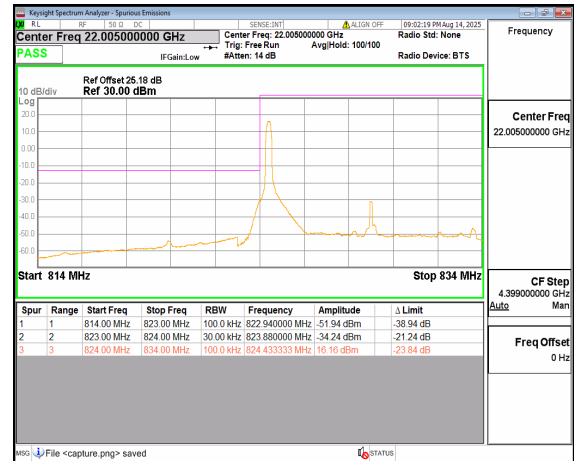
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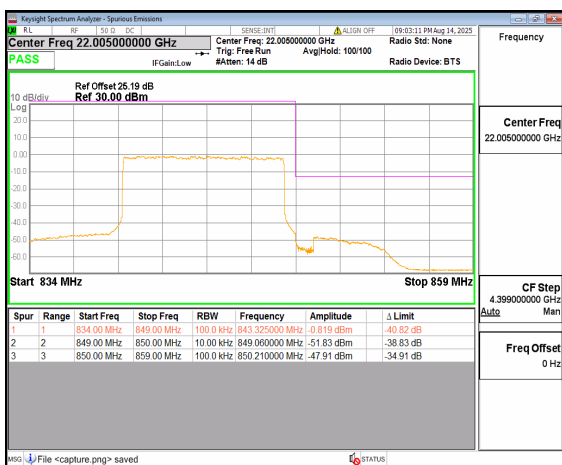
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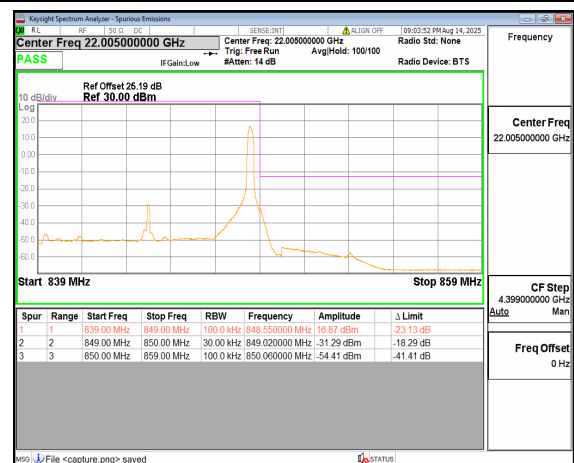
n5 10M DFT-s-OFDM QPSK Outer_Full Low



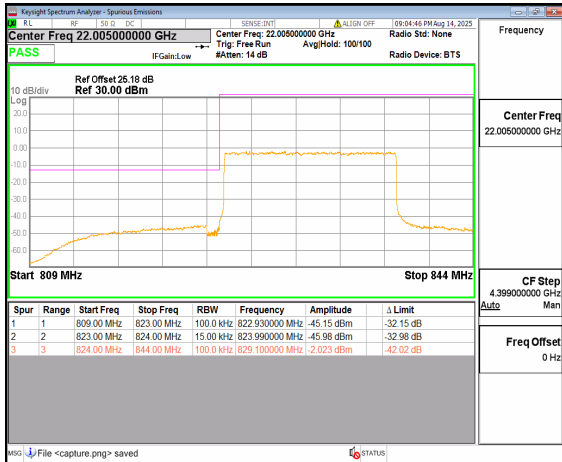
n5 10M DFT-s-OFDM QPSK Edge_1RB_Left Low



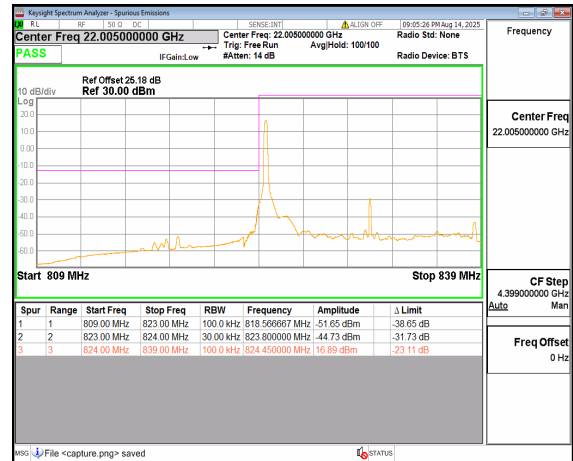
n5 10M DFT-s-OFDM QPSK Outer_Full High



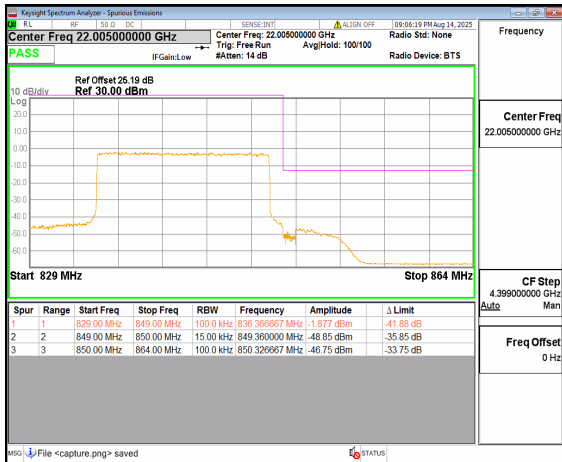
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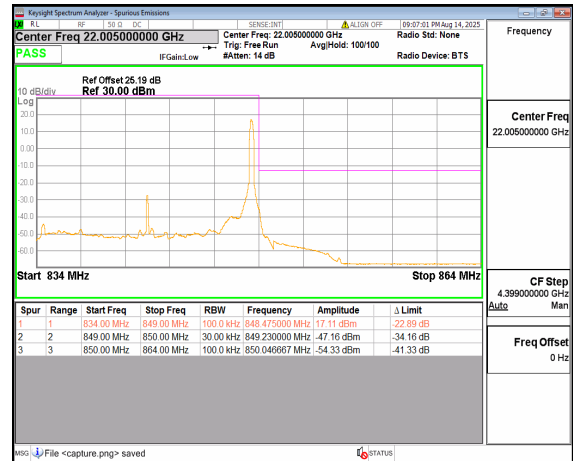
n5 15M DFT-s-OFDM QPSK Outer_Full Low



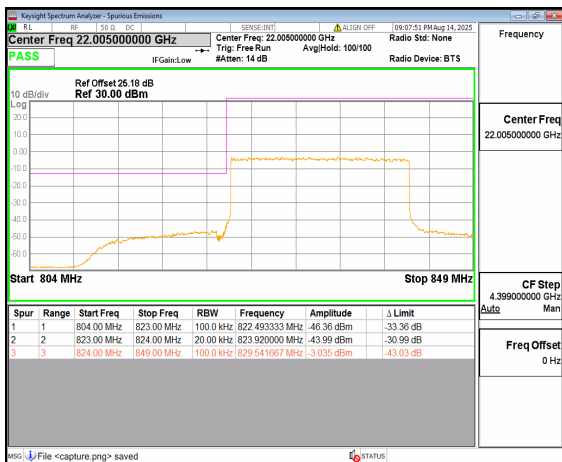
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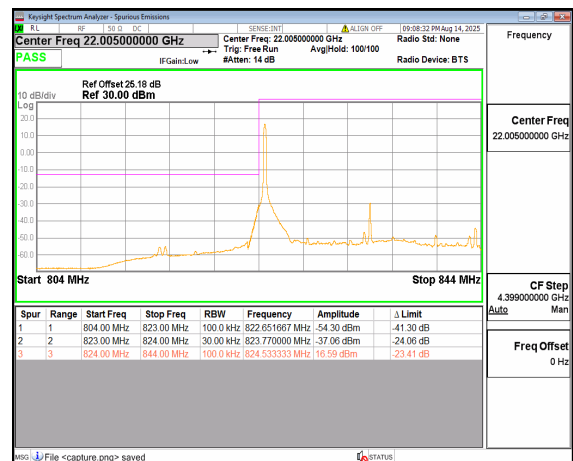
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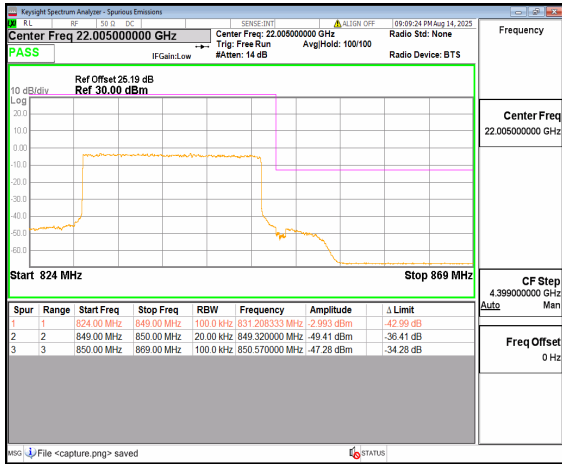


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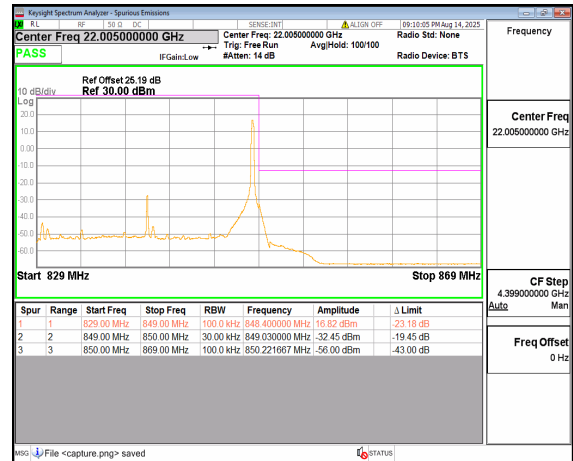


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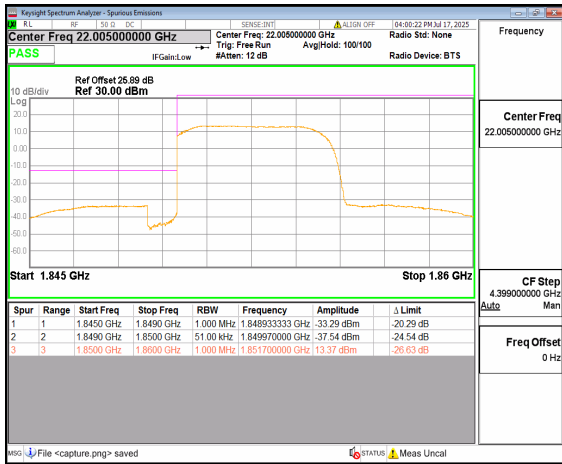




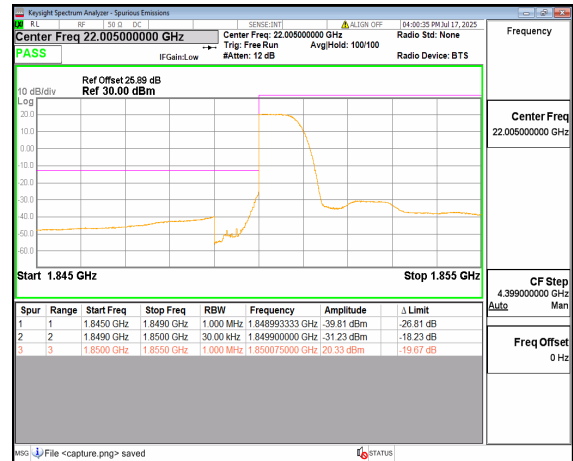
n5 20M DFT-s-OFDM QPSK Outer_Full High



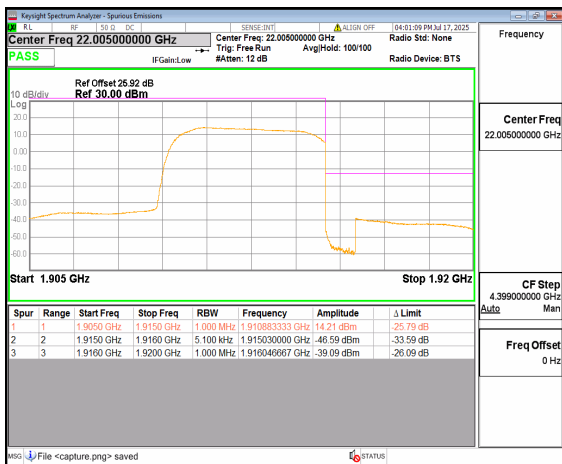
n5 20M DFT-s-OFDM QPSK Edge_1RB_Right High



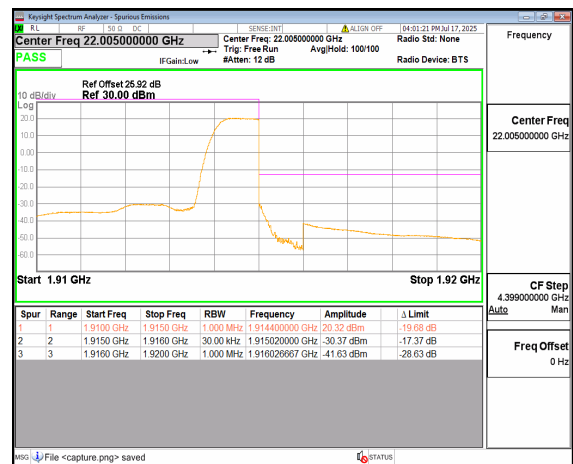
n25 5M DFT-s-OFDM QPSK Outer_Full Low



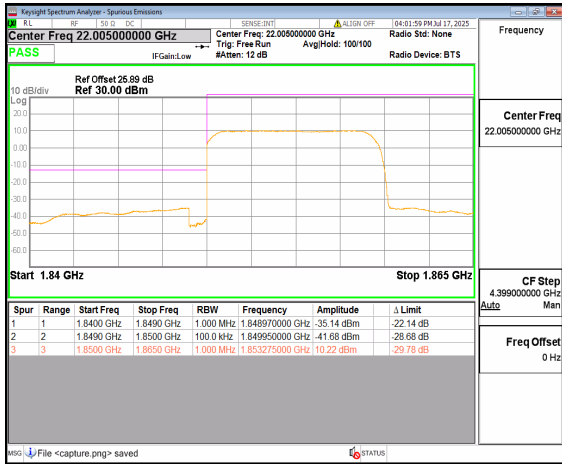
n25 5M DFT-s-OFDM QPSK Edge_1RB_Left Low



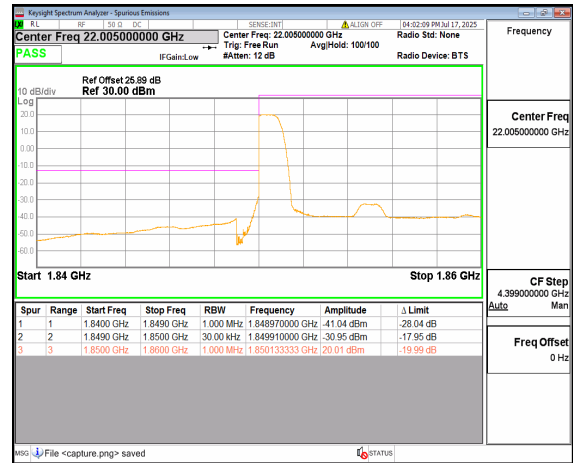
n25 5M DFT-s-OFDM QPSK Outer_Full High



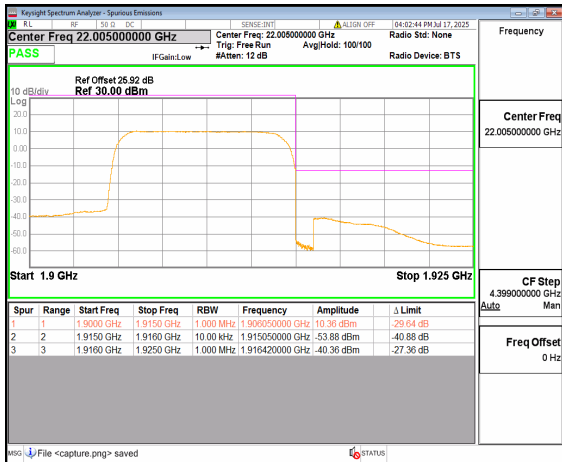
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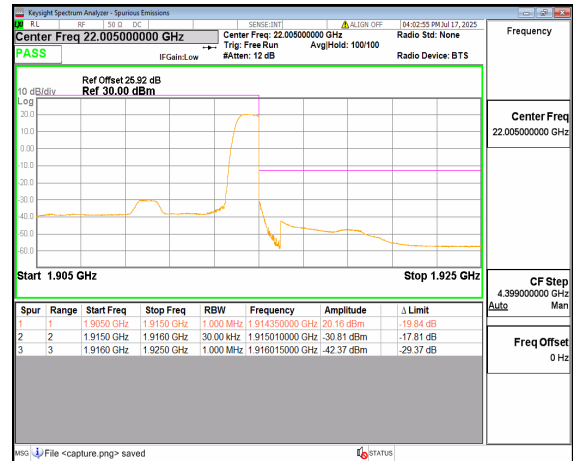
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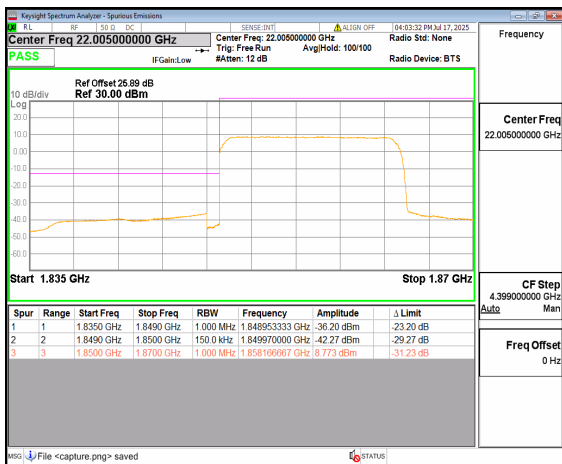
n25 10M DFT-s-OFDM QPSK Edge_1RB_Left Low



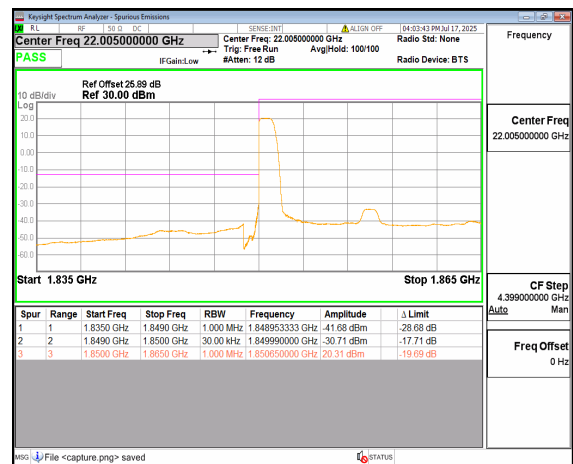
n25 10M DFT-s-OFDM QPSK Outer_Full High



n25 10M DFT-s-OFDM QPSK Edge_1RB_Right High



n25 15M DFT-s-OFDM QPSK Outer_Full Low



n25 15M DFT-s-OFDM QPSK Edge_1RB_Left Low

