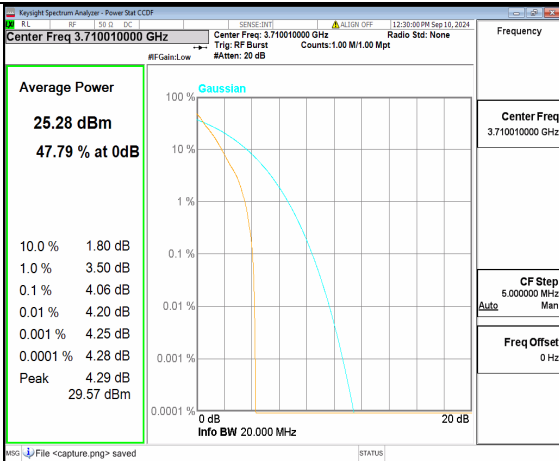
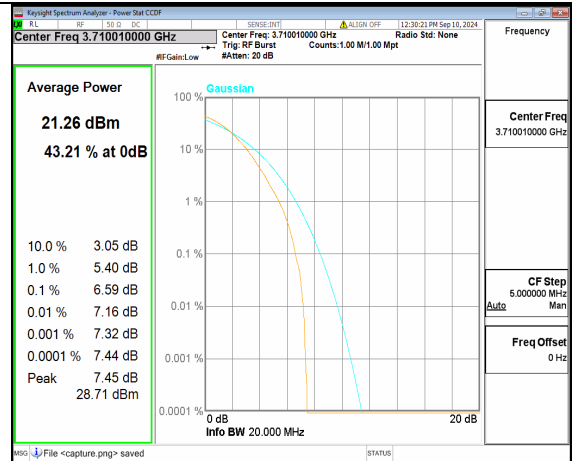
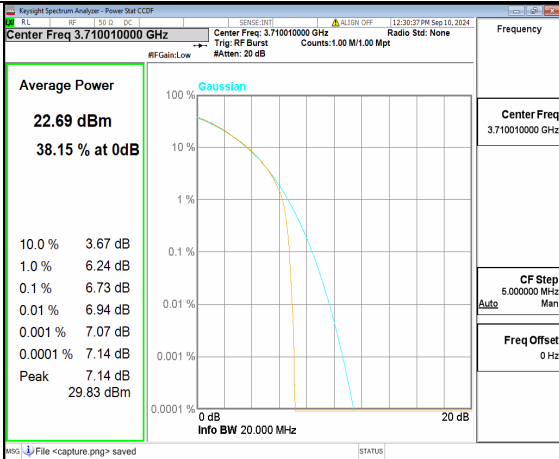




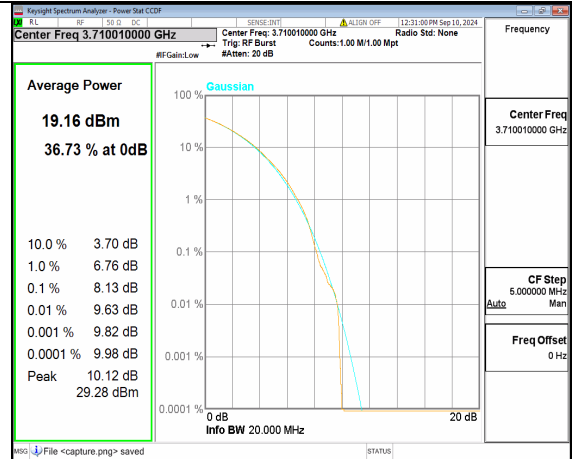
n78(3700-3800MHz) 20M DFT-s-OFDM
BPSK Outer_Full Low



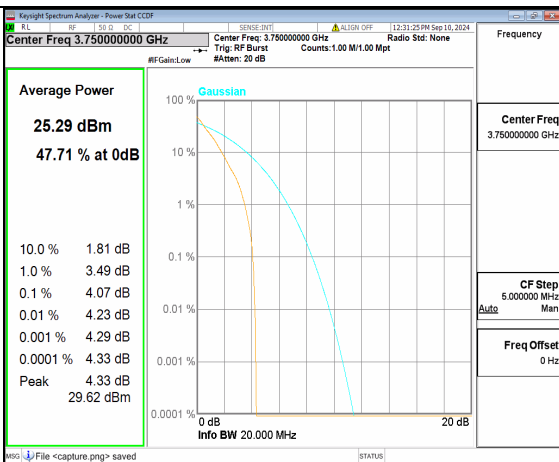
n78(3700-3800MHz) 20M DFT-s-OFDM
256QAM Outer_Full Low



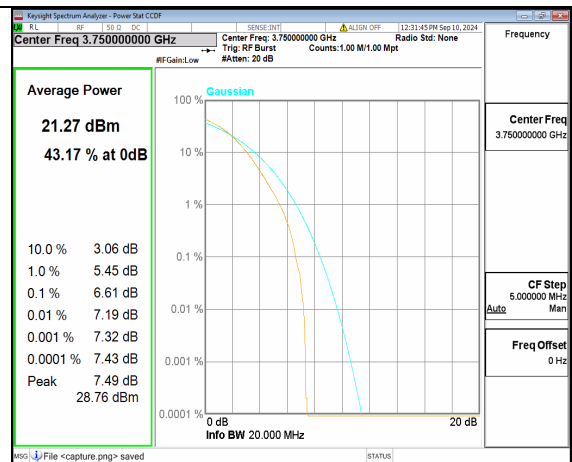
n78(3700-3800MHz) 20M CP-OFDM QPSK
Outer_Full Low



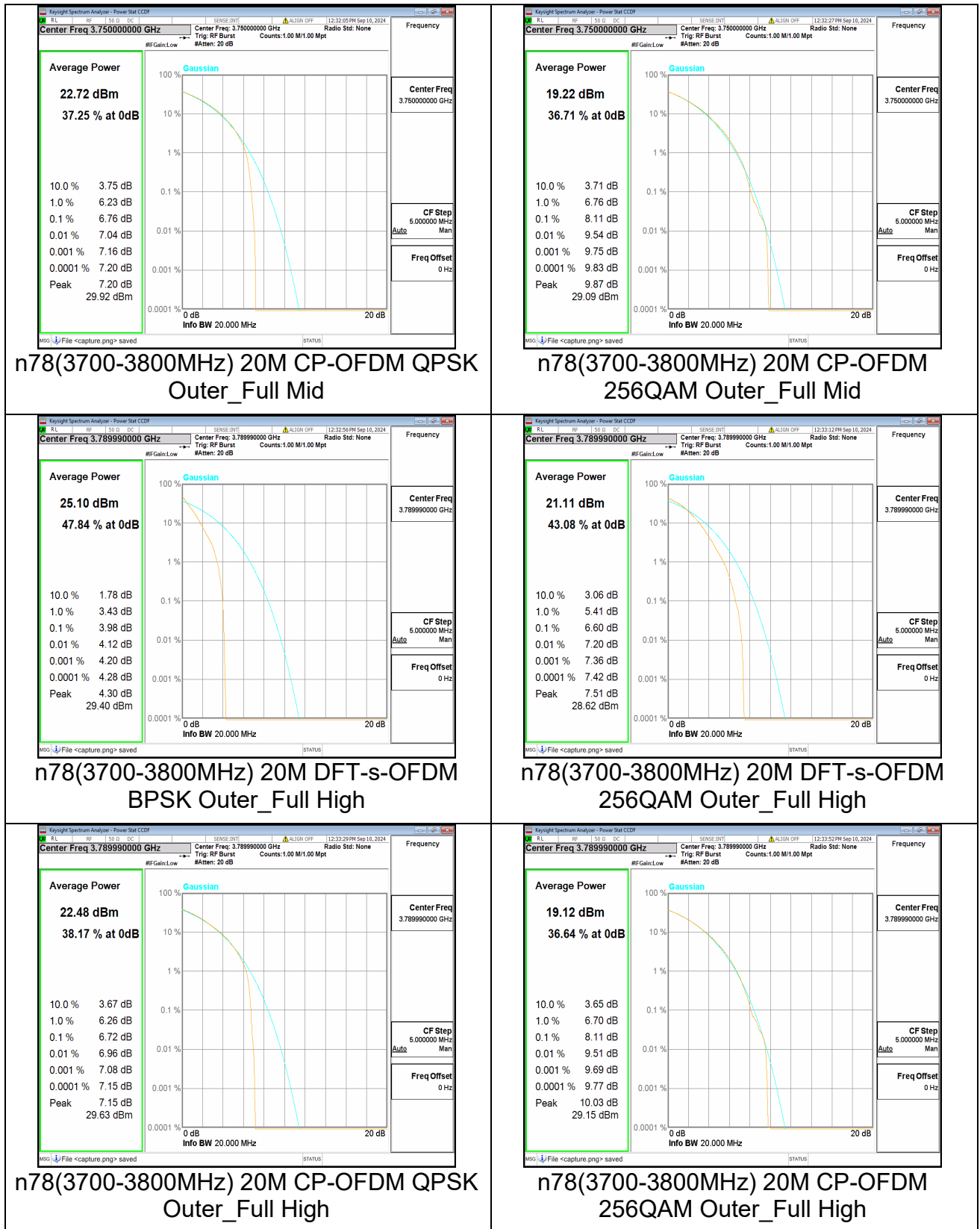
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256QAM Outer_Full Low

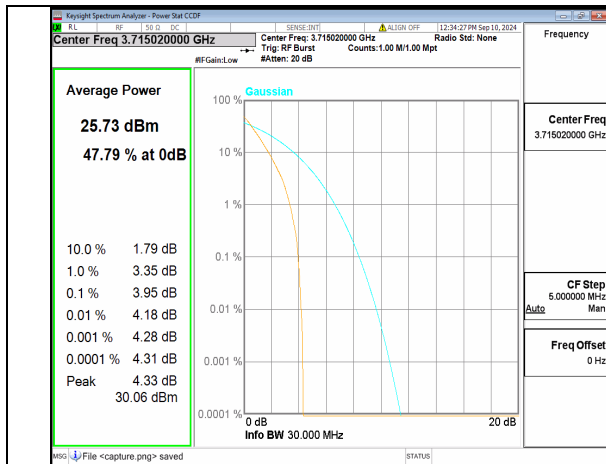


n78(3700-3800MHz) 20M DFT-s-OFDM
BPSK Outer_Full Mid

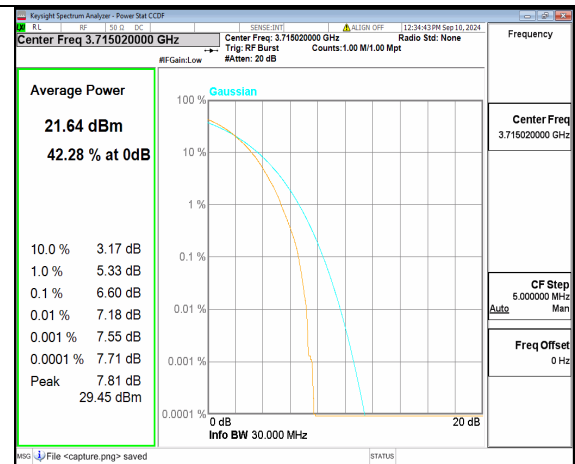


n78(3700-3800MHz) 20M DFT-s-OFDM
256QAM Outer_Full Mid

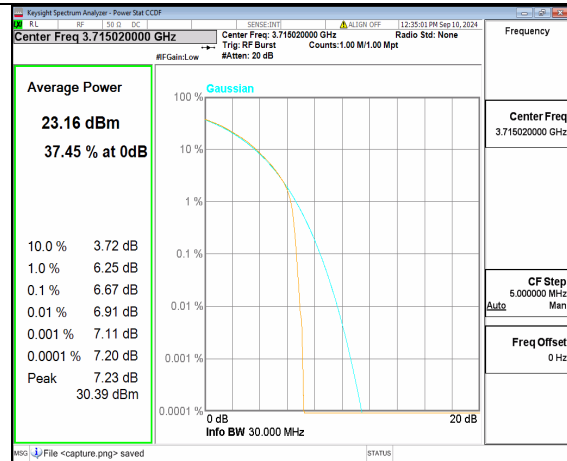




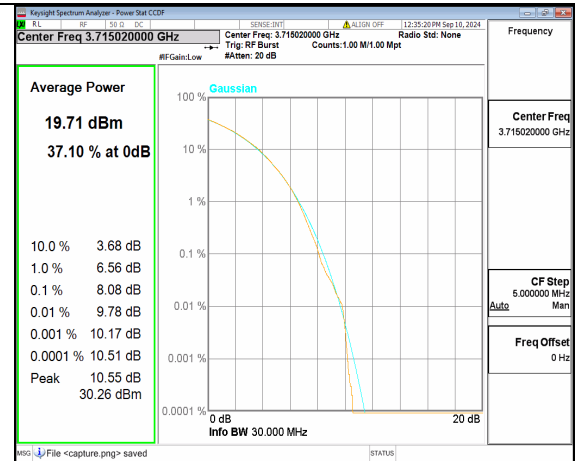
n78(3700-3800MHz) 30M DFT-s-OFDM
BPSK Outer_Full Low



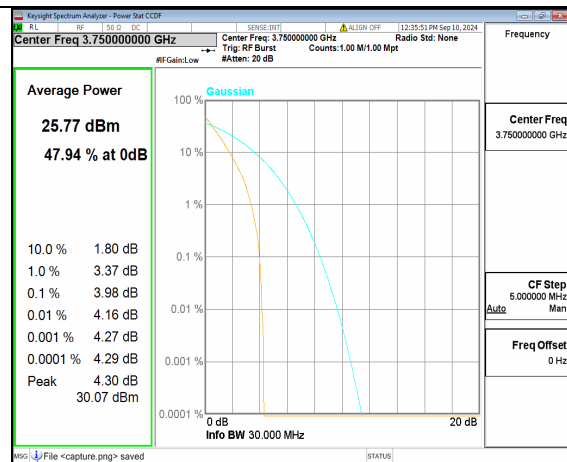
n78(3700-3800MHz) 30M DFT-s-OFDM
256QAM Outer_Full Low



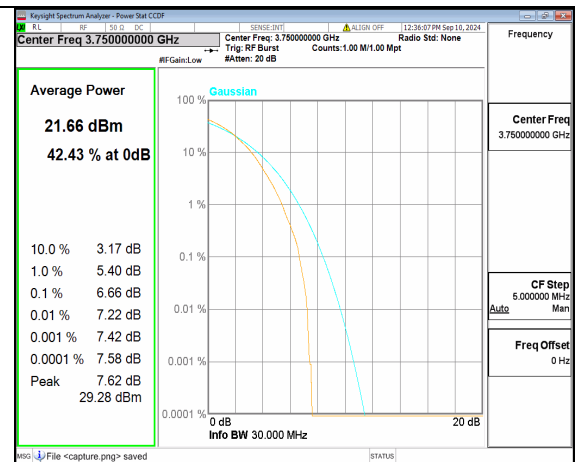
n78(3700-3800MHz) 30M CP-OFDM QPSK
Outer_Full Low



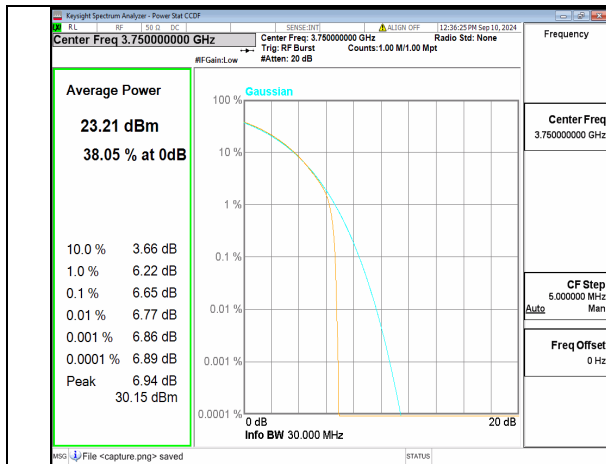
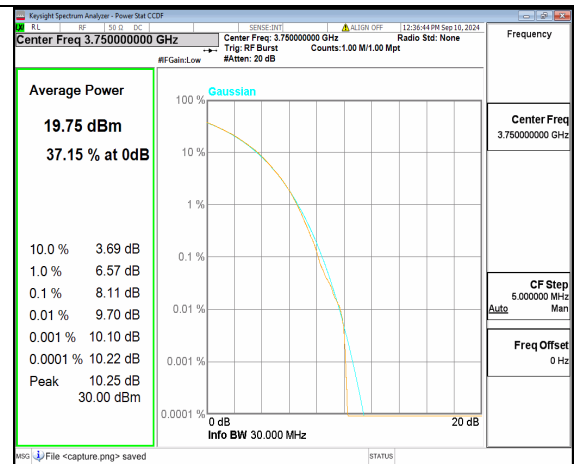
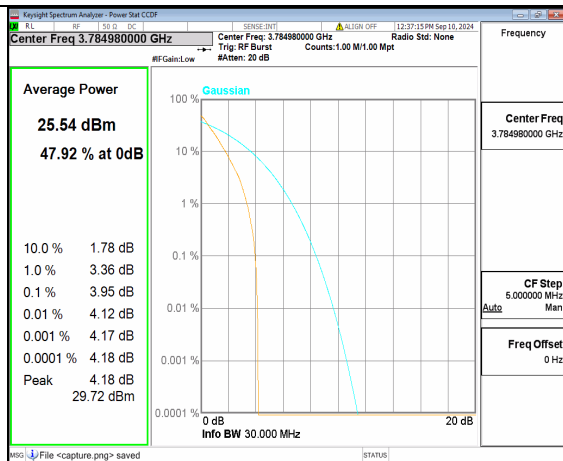
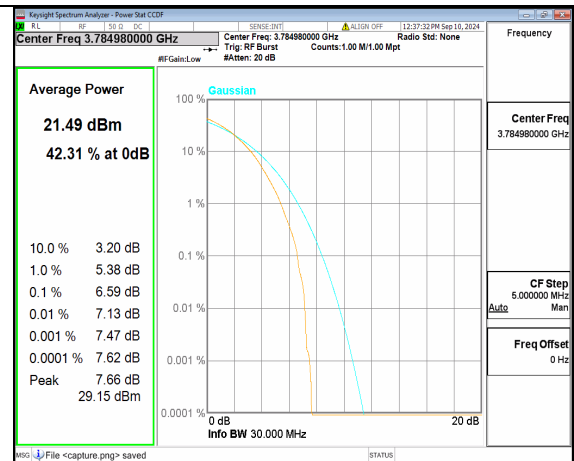
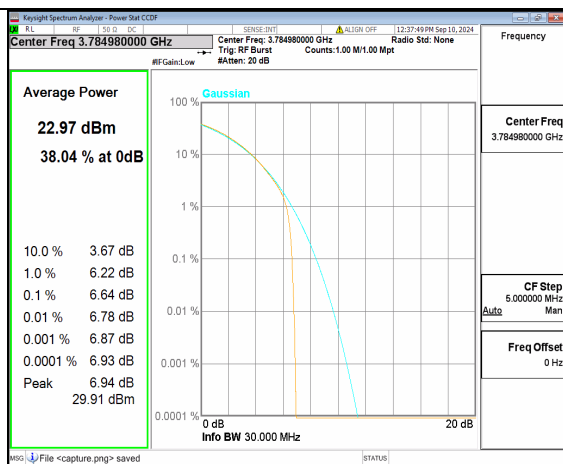
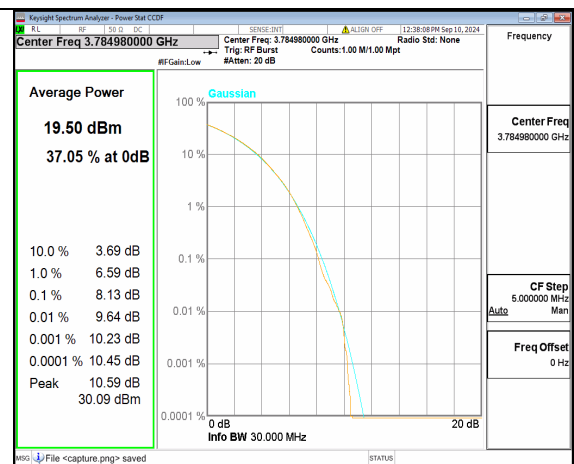
n78(3700-3800MHz) 30M CP-OFDM
256QAM Outer_Full Low

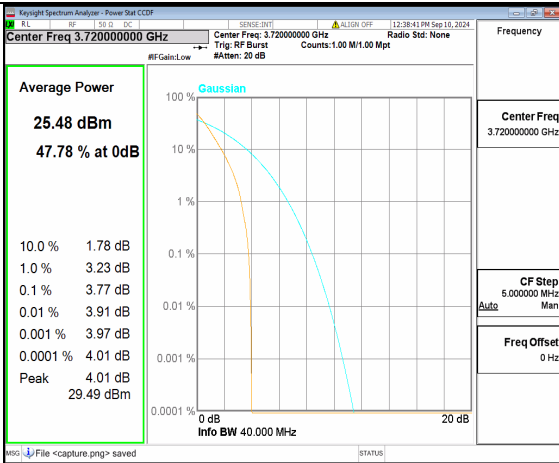


n78(3700-3800MHz) 30M DFT-s-OFDM
BPSK Outer_Full Mid

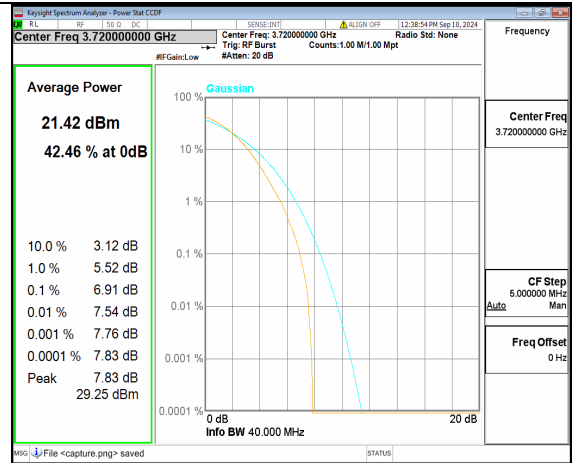


n78(3700-3800MHz) 30M DFT-s-OFDM
256QAM Outer_Full Mid

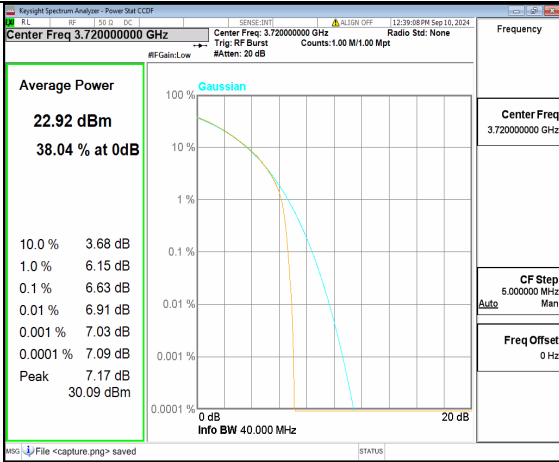
n78(3700-3800MHz) 30M CP-OFDM QPSK
Outer_Full Midn78(3700-3800MHz) 30M CP-OFDM
256QAM Outer_Full Midn78(3700-3800MHz) 30M DFT-s-OFDM
BPSK Outer_Full Highn78(3700-3800MHz) 30M DFT-s-OFDM
256QAM Outer_Full Highn78(3700-3800MHz) 30M CP-OFDM QPSK
Outer_Full Highn78(3700-3800MHz) 30M CP-OFDM
256QAM Outer_Full High



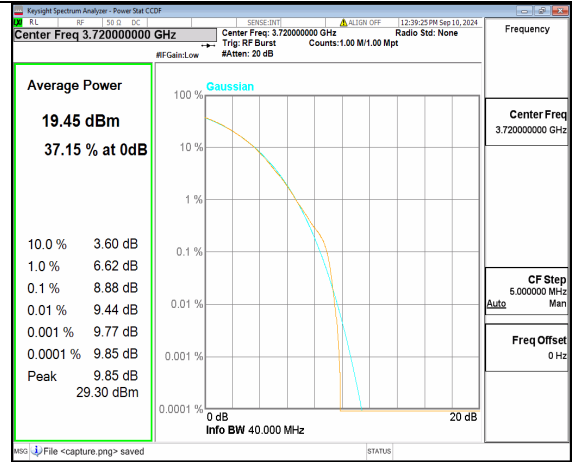
n78(3700-3800MHz) 40M DFT-s-OFDM
BPSK Outer_Full Low



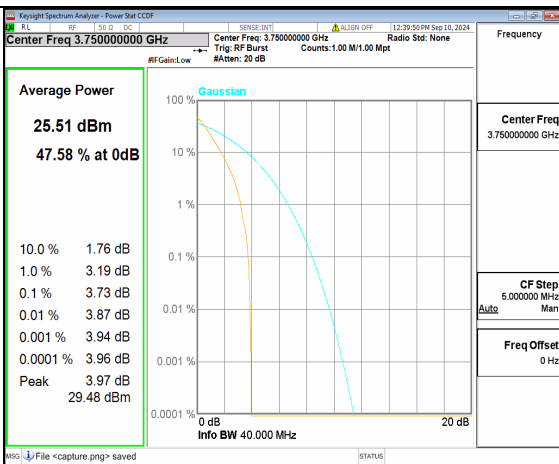
n78(3700-3800MHz) 40M DFT-s-OFDM
256QAM Outer_Full Low



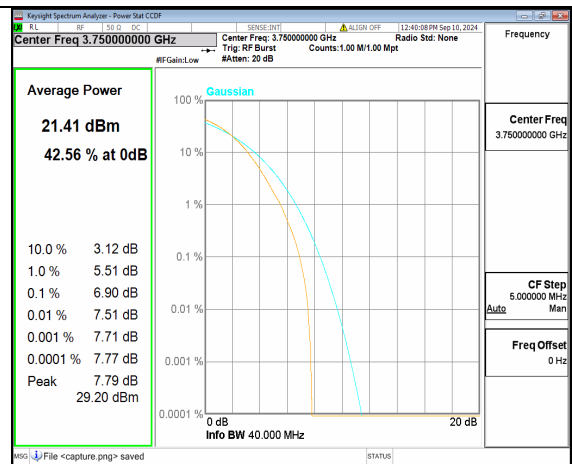
n78(3700-3800MHz) 40M CP-OFDM QPSK
Outer_Full Low



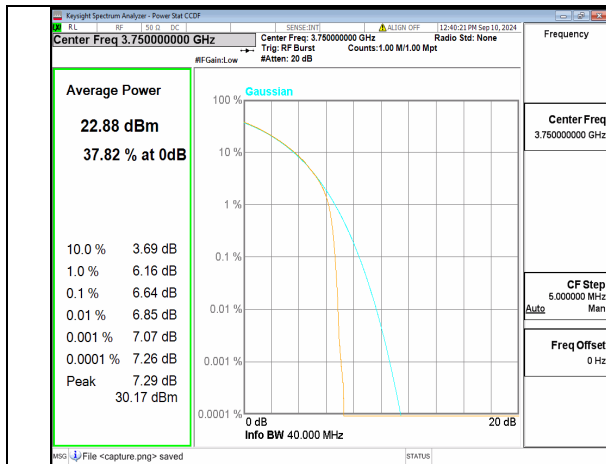
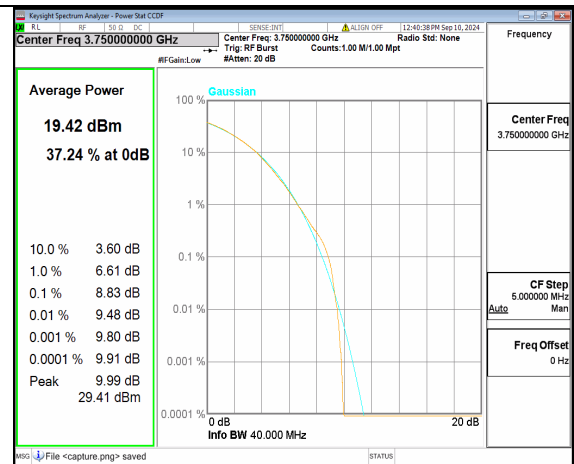
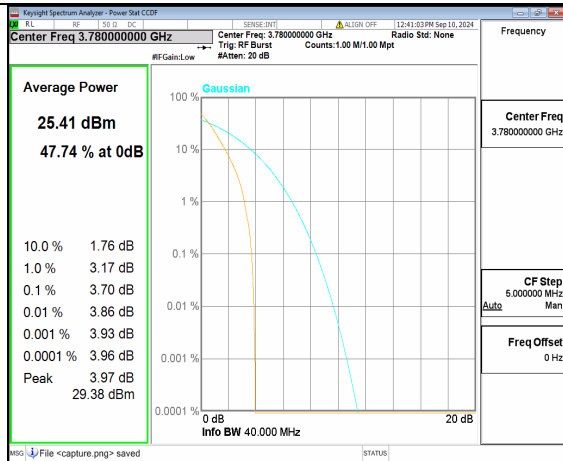
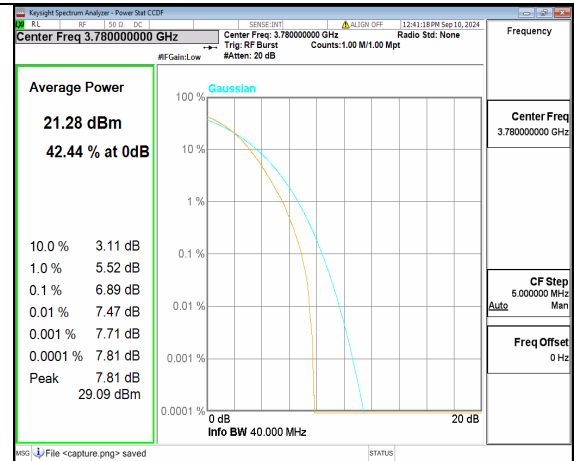
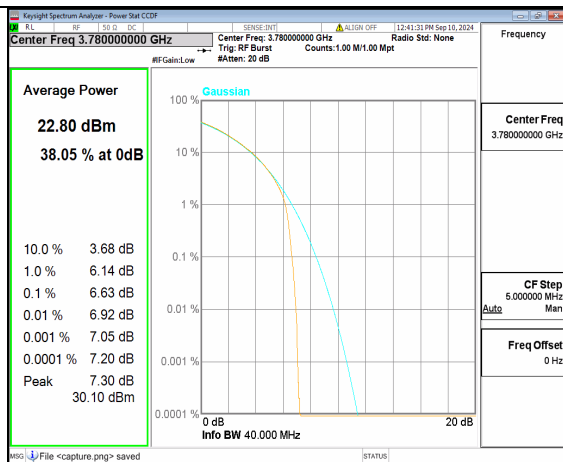
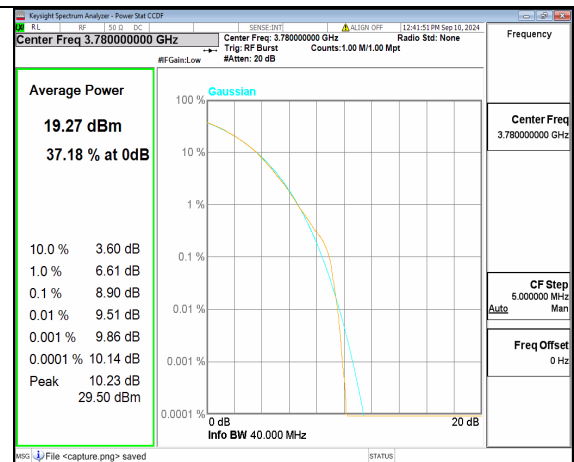
n78(3700-3800MHz) 40M CP-OFDM
256QAM Outer_Full Low

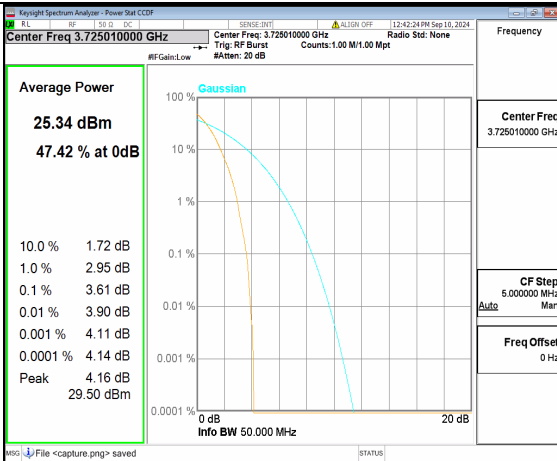


n78(3700-3800MHz) 40M DFT-s-OFDM
BPSK Outer_Full Mid

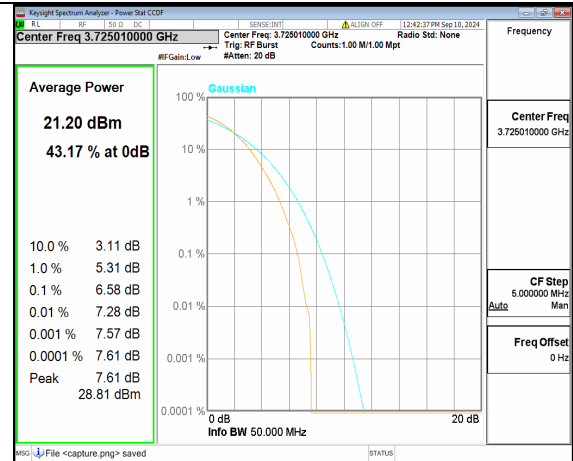


n78(3700-3800MHz) 40M DFT-s-OFDM
256QAM Outer_Full Mid

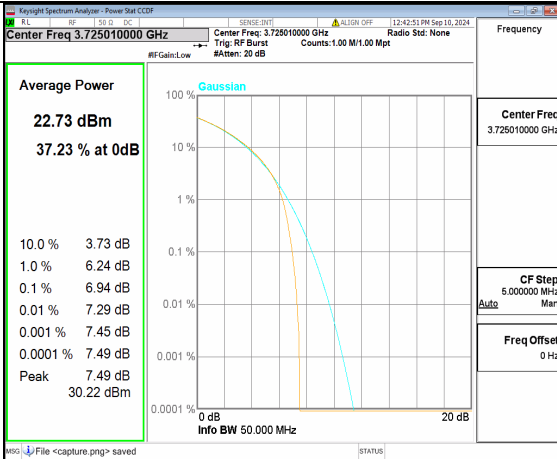
n78(3700-3800MHz) 40M CP-OFDM QPSK
Outer_Full Midn78(3700-3800MHz) 40M CP-OFDM
256QAM Outer_Full Midn78(3700-3800MHz) 40M DFT-s-OFDM
BPSK Outer_Full Highn78(3700-3800MHz) 40M DFT-s-OFDM
256QAM Outer_Full Highn78(3700-3800MHz) 40M CP-OFDM QPSK
Outer_Full Highn78(3700-3800MHz) 40M CP-OFDM
256QAM Outer_Full High



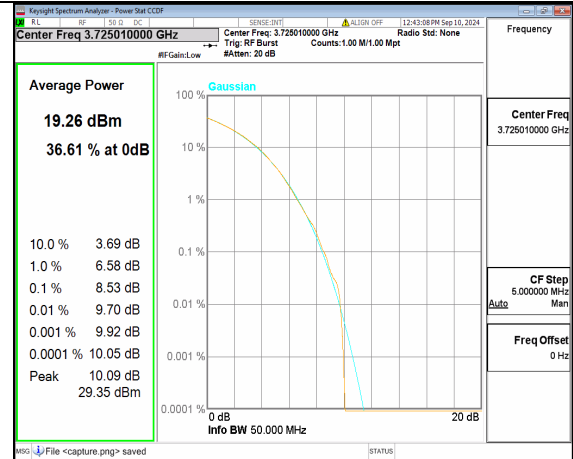
n78(3700-3800MHz) 50M DFT-s-OFDM
BPSK Outer_Full Low



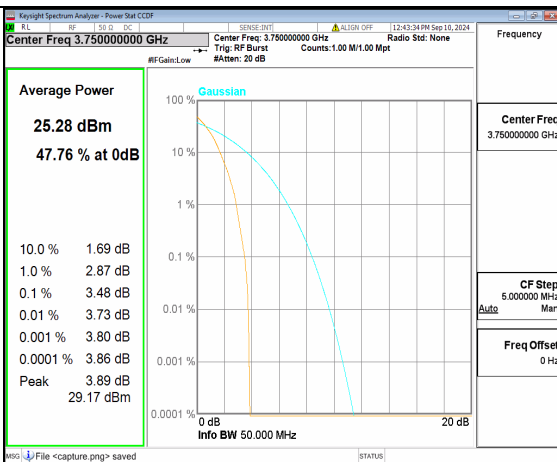
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256QAM Outer_Full Low



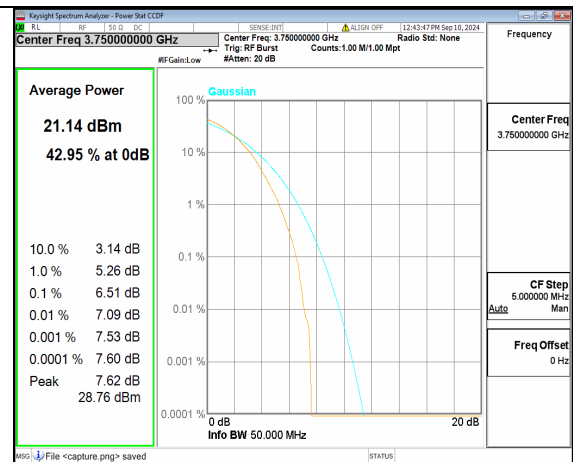
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Outer_Full Low



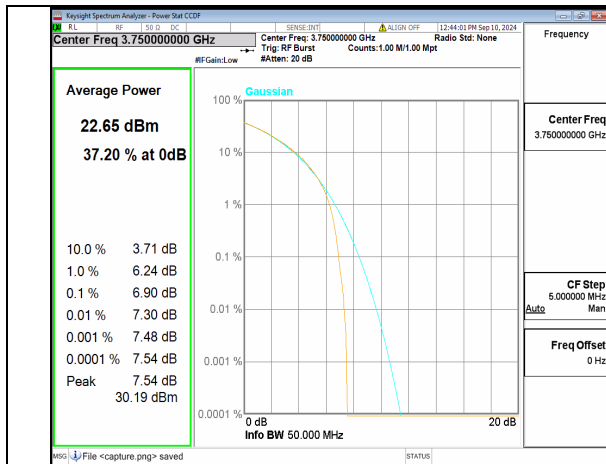
n78(3700-3800MHz) 50M CP-OFDM
256QAM Outer_Full Low



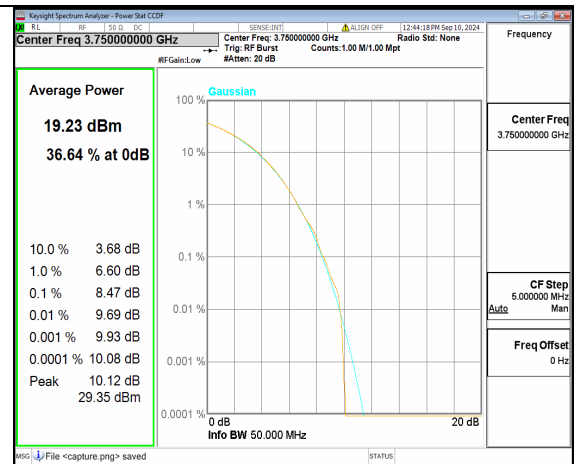
n78(3700-3800MHz) 50M DFT-s-OFDM
BPSK Outer_Full Mid



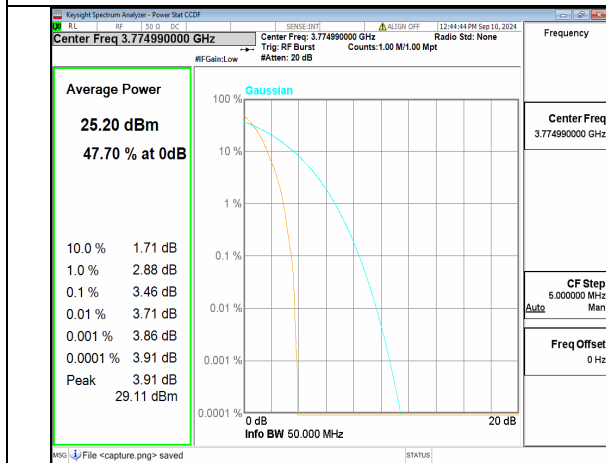
n78(3700-3800MHz) 50M DFT-s-OFDM
256QAM Outer_Full Mid



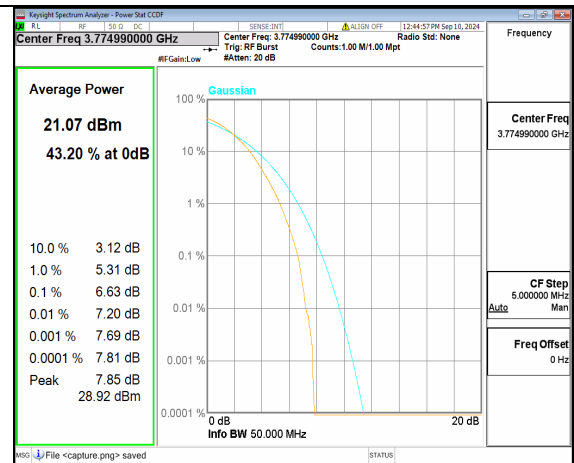
n78(3700-3800MHz) 50M CP-OFDM QPSK
Outer_Full Mid



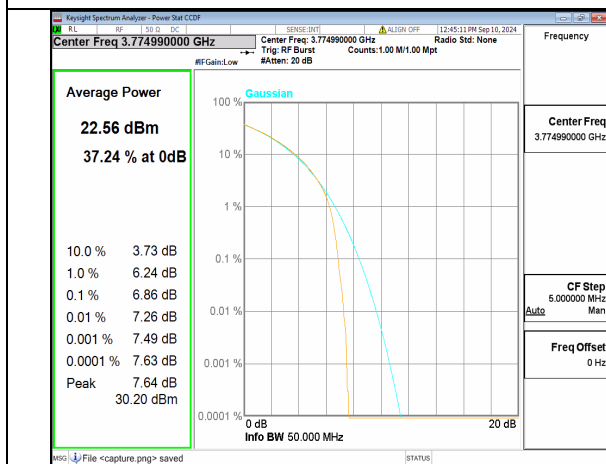
n78(3700-3800MHz) 50M CP-OFDM
256QAM Outer_Full Mid



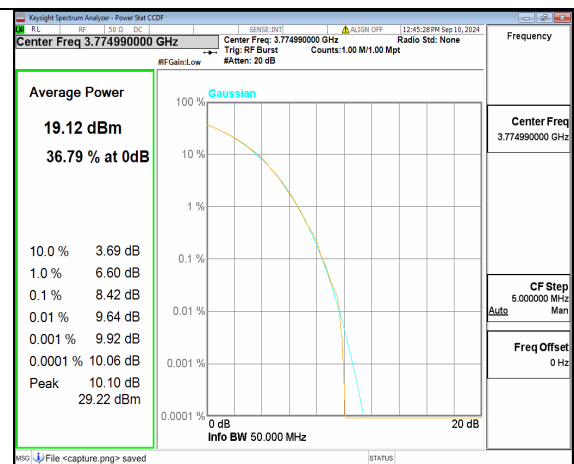
n78(3700-3800MHz) 50M DFT-s-OFDM
BPSK Outer_Full High



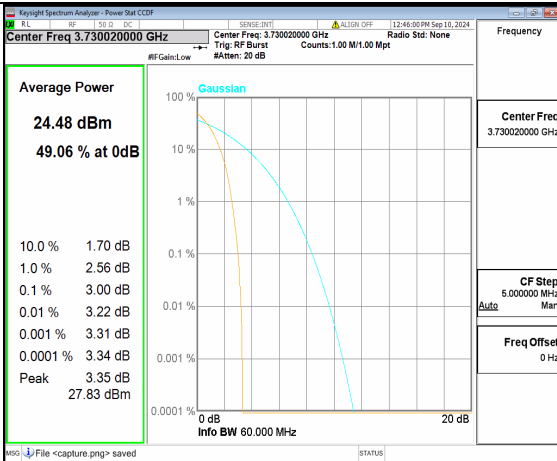
n78(3700-3800MHz) 50M DFT-s-OFDM
256QAM Outer_Full High



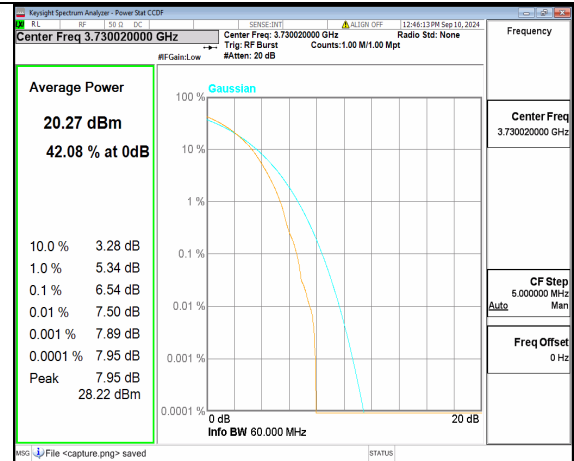
n78(3700-3800MHz) 50M CP-OFDM QPSK
Outer_Full High



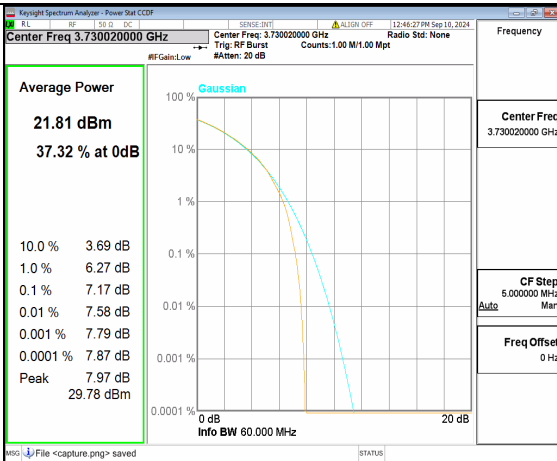
n78(3700-3800MHz) 50M CP-OFDM
256QAM Outer_Full High



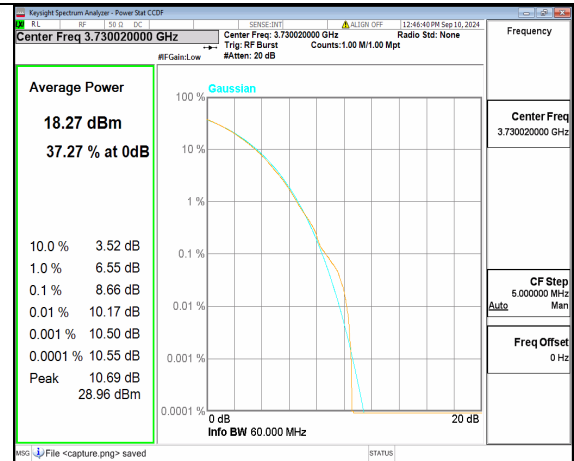
n78(3700-3800MHz) 60M DFT-s-OFDM
BPSK Outer_Full Low



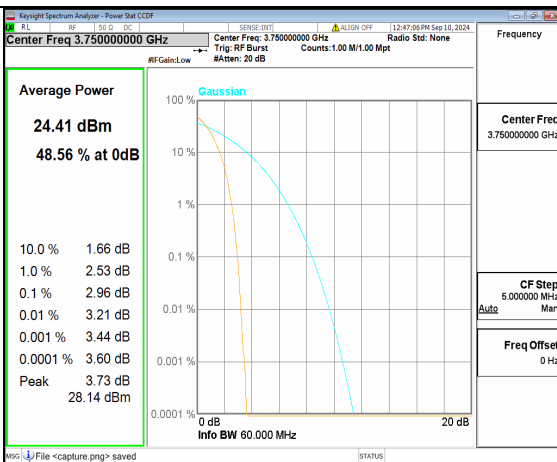
n78(3700-3800MHz) 60M DFT-s-OFDM
256QAM Outer_Full Low



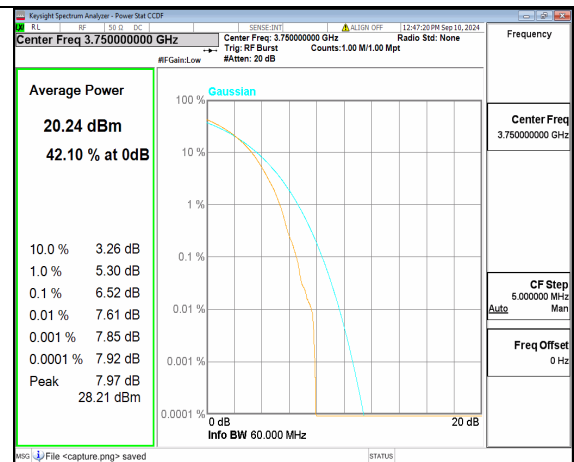
n78(3700-3800MHz) 60M CP-OFDM QPSK
Outer_Full Low



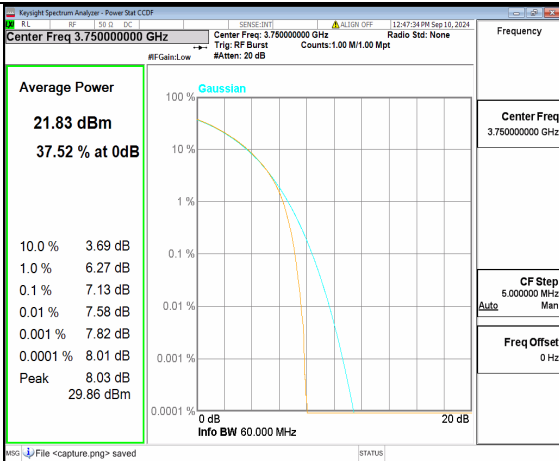
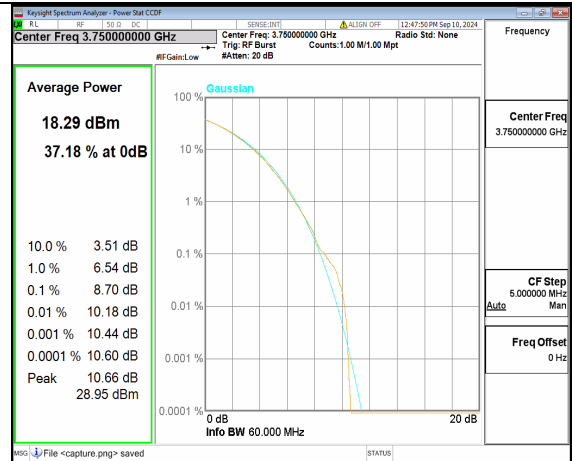
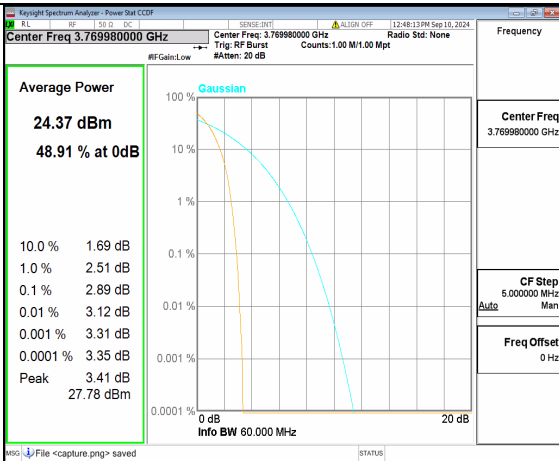
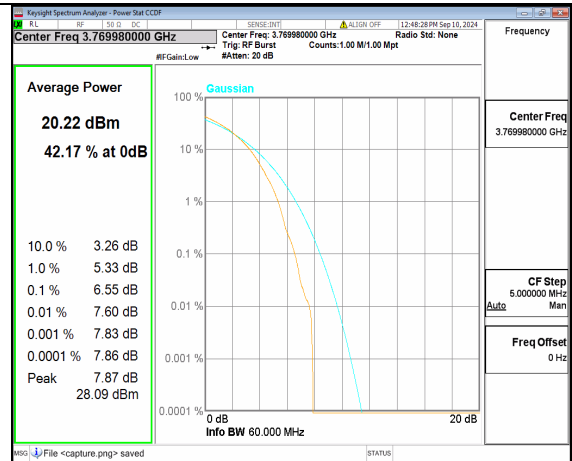
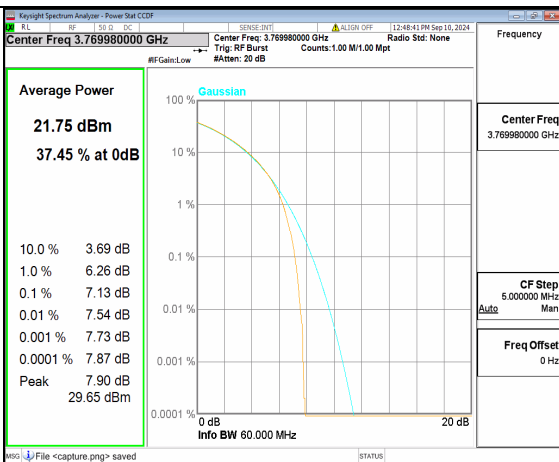
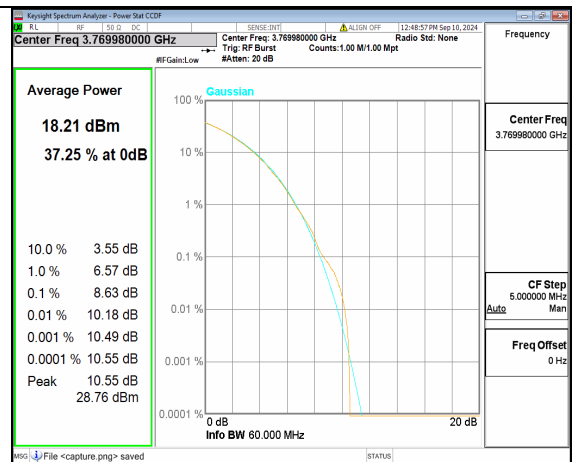
n78(3700-3800MHz) 60M CP-OFDM
256QAM Outer_Full Low

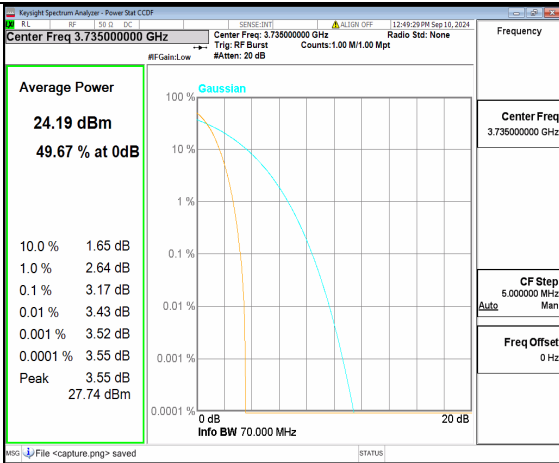


n78(3700-3800MHz) 60M DFT-s-OFDM
BPSK Outer_Full Mid

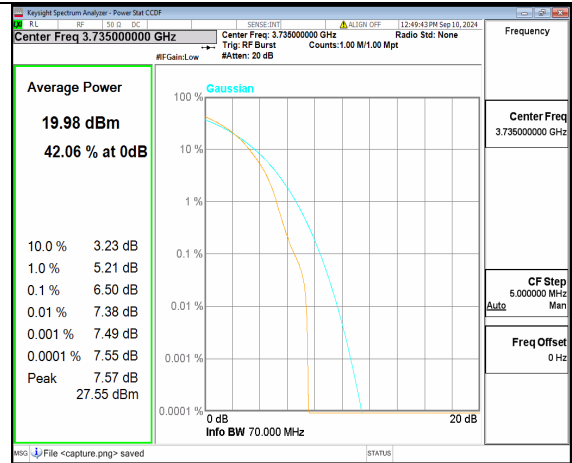


n78(3700-3800MHz) 60M DFT-s-OFDM
256QAM Outer_Full Mid

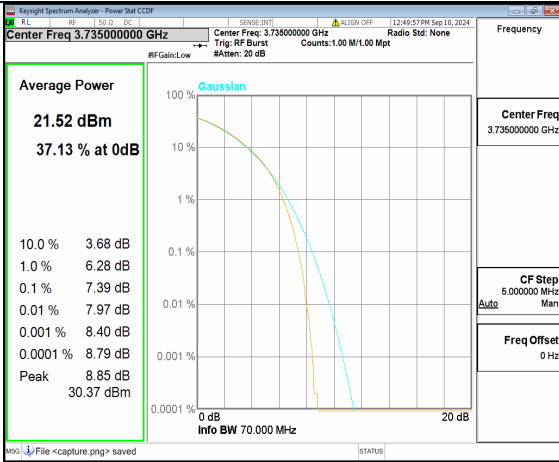
n78(3700-3800MHz) 60M CP-OFDM QPSK
Outer_Full Midn78(3700-3800MHz) 60M CP-OFDM
256QAM Outer_Full Midn78(3700-3800MHz) 60M DFT-s-OFDM
BPSK Outer_Full Highn78(3700-3800MHz) 60M DFT-s-OFDM
256QAM Outer_Full Highn78(3700-3800MHz) 60M CP-OFDM QPSK
Outer_Full Highn78(3700-3800MHz) 60M CP-OFDM
256QAM Outer_Full High



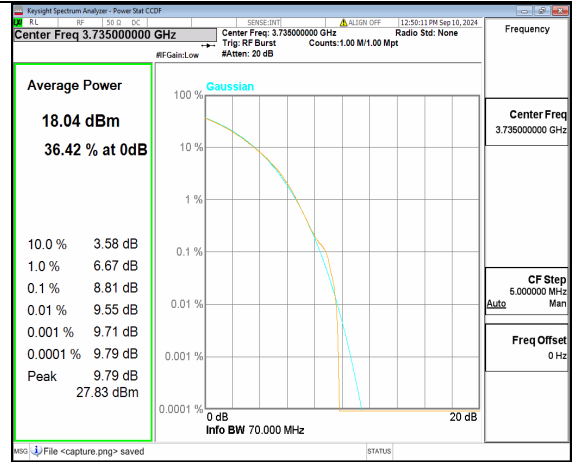
n78(3700-3800MHz) 70M DFT-s-OFDM
BPSK Outer_Full Low



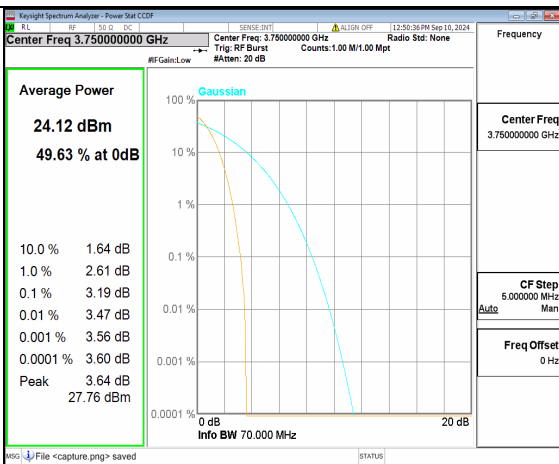
n78(3700-3800MHz) 70M DFT-s-OFDM
256QAM Outer_Full Low



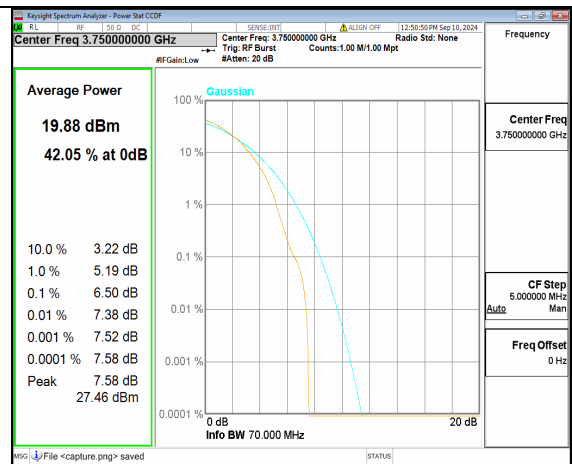
n78(3700-3800MHz) 70M CP-OFDM QPSK
Outer_Full Low



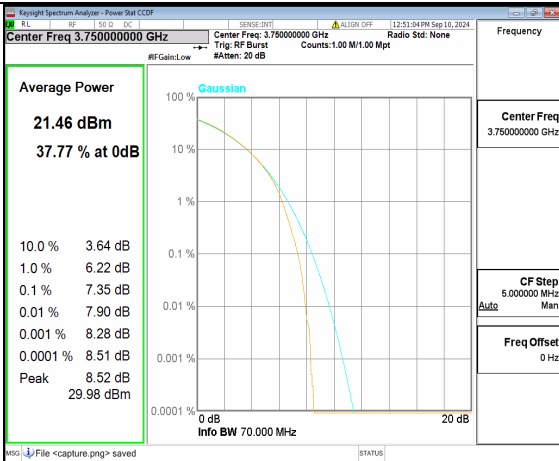
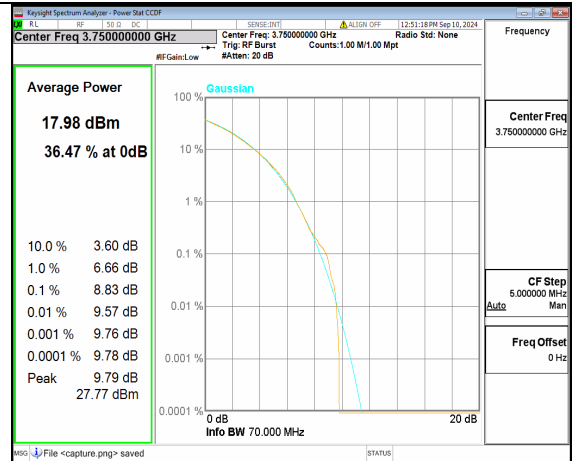
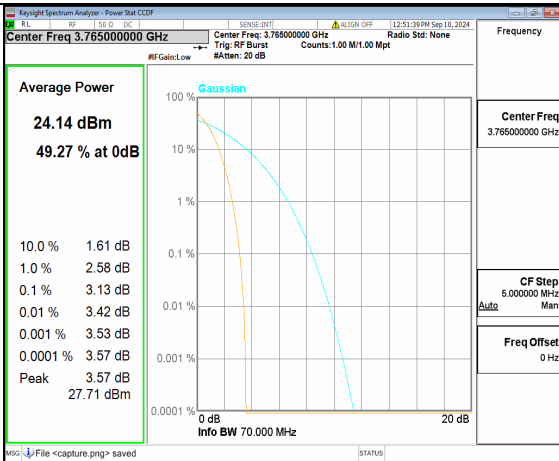
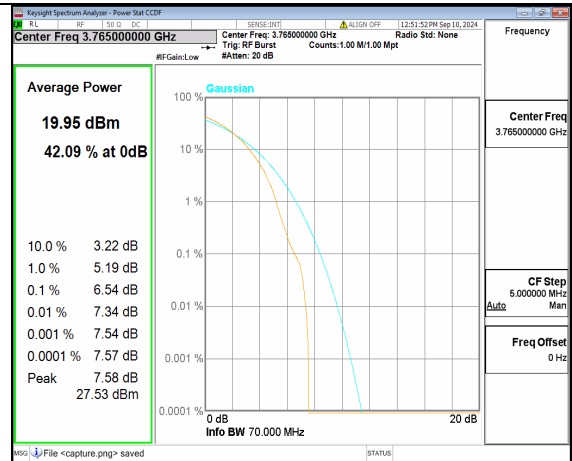
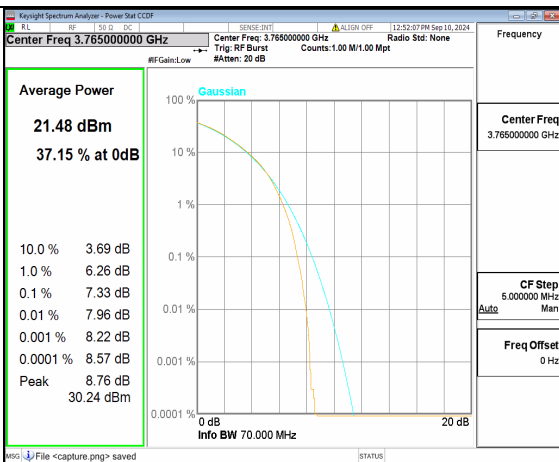
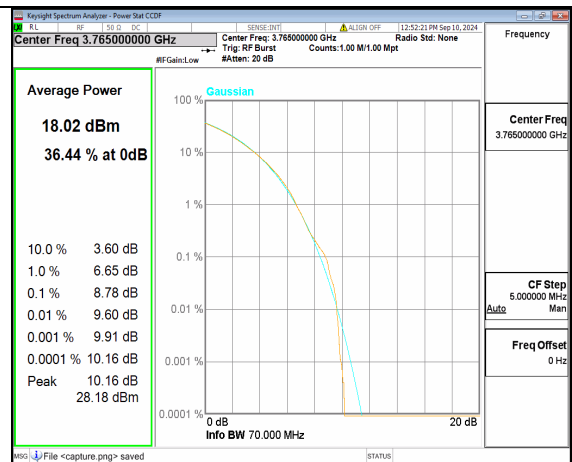
n78(3700-3800MHz) 70M CP-OFDM
256QAM Outer_Full Low

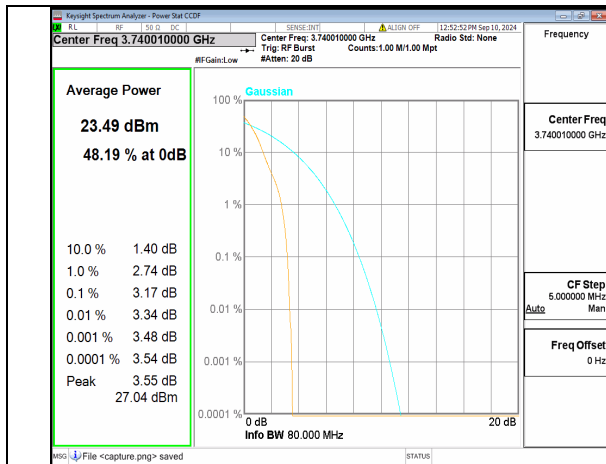


n78(3700-3800MHz) 70M DFT-s-OFDM
BPSK Outer_Full Mid

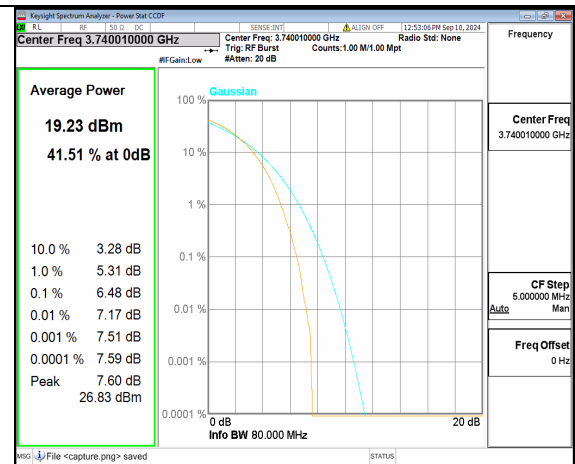


n78(3700-3800MHz) 70M DFT-s-OFDM
256QAM Outer_Full Mid

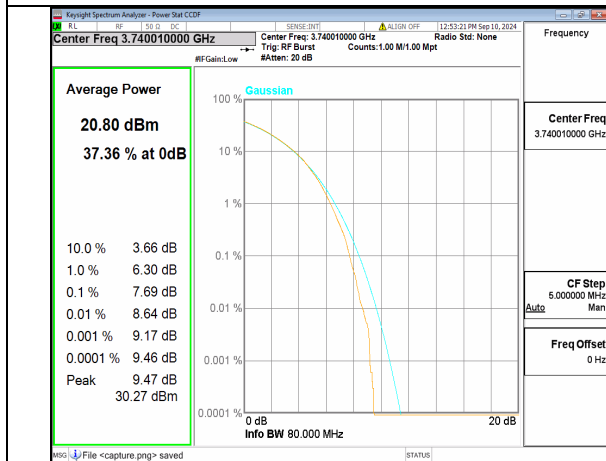
n78(3700-3800MHz) 70M CP-OFDM QPSK
Outer_Full Midn78(3700-3800MHz) 70M CP-OFDM
256QAM Outer_Full Midn78(3700-3800MHz) 70M DFT-s-OFDM
BPSK Outer_Full Highn78(3700-3800MHz) 70M DFT-s-OFDM
256QAM Outer_Full Highn78(3700-3800MHz) 70M CP-OFDM QPSK
Outer_Full Highn78(3700-3800MHz) 70M CP-OFDM
256QAM Outer_Full High



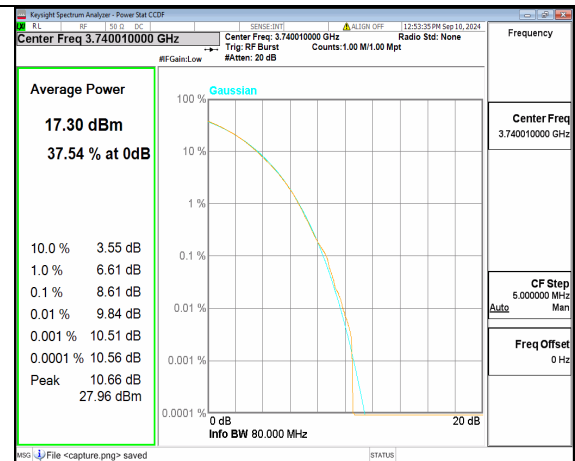
n78(3700-3800MHz) 80M DFT-s-OFDM
BPSK Outer_Full Low



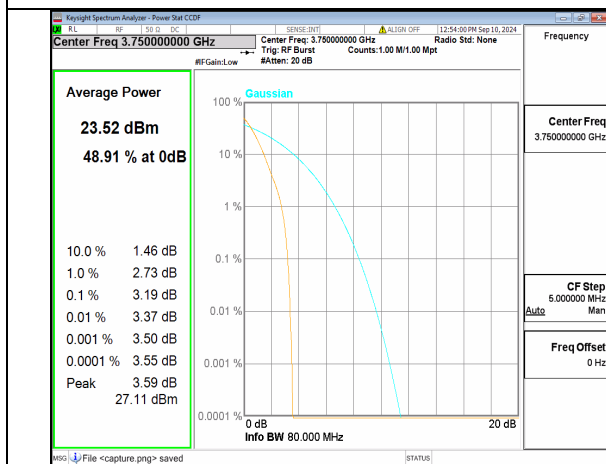
n78(3700-3800MHz) 80M DFT-s-OFDM
256QAM Outer_Full Low



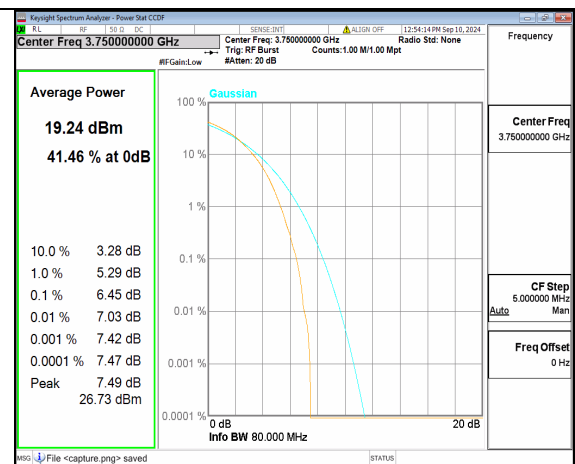
n78(3700-3800MHz) 80M CP-OFDM QPSK
Outer_Full Low



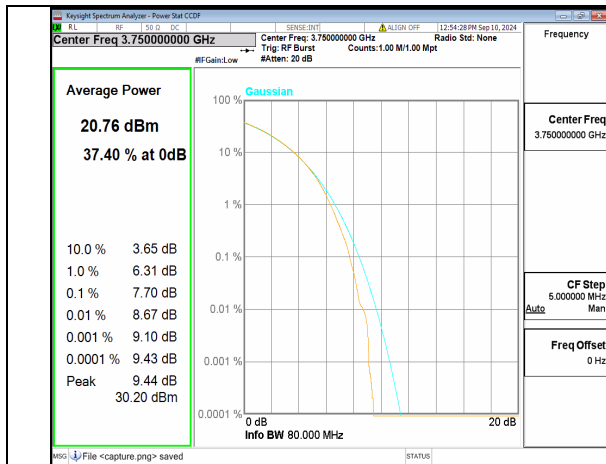
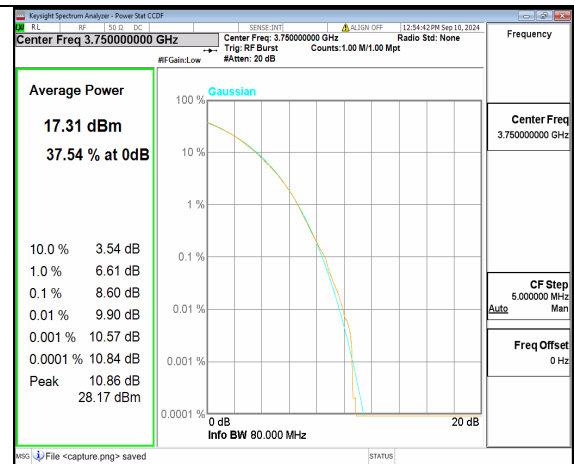
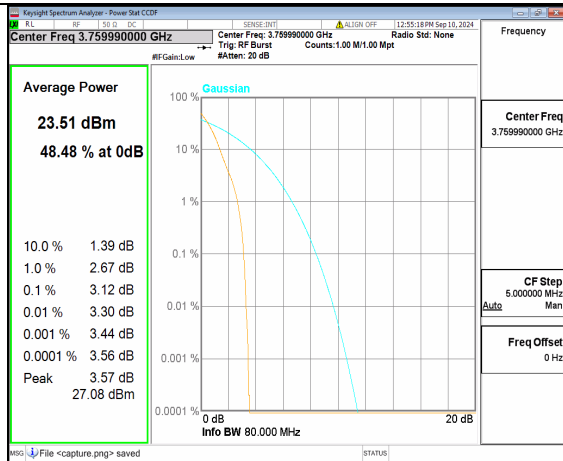
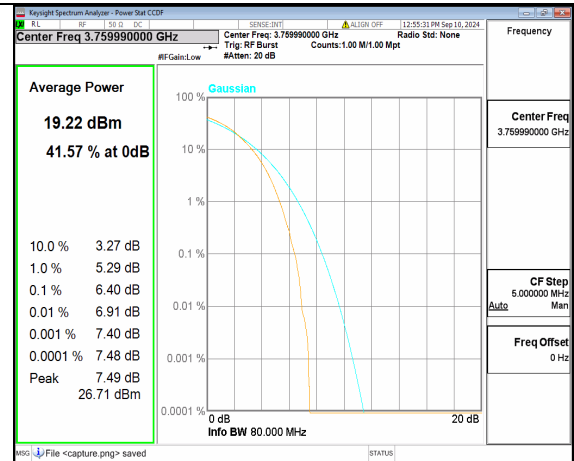
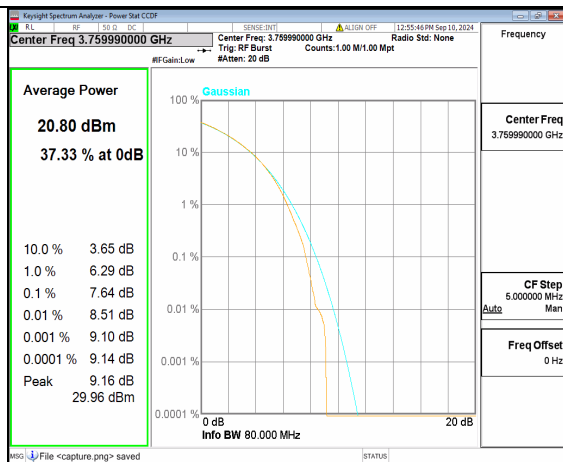
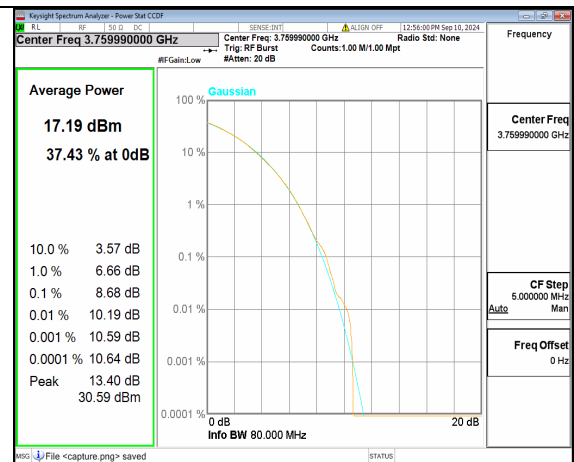
n78(3700-3800MHz) 80M CP-OFDM
256QAM Outer_Full Low

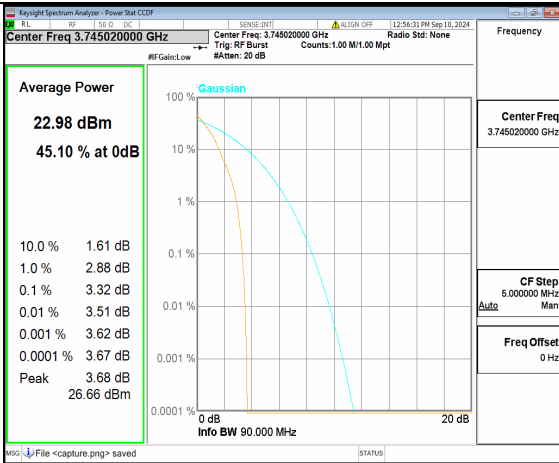


n78(3700-3800MHz) 80M DFT-s-OFDM
BPSK Outer_Full Mid

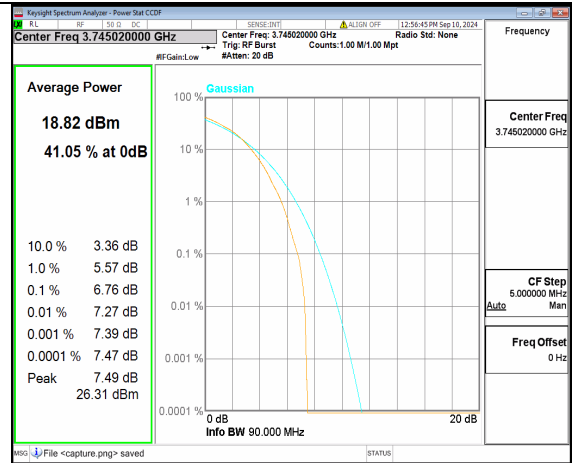


n78(3700-3800MHz) 80M DFT-s-OFDM
256QAM Outer_Full Mid

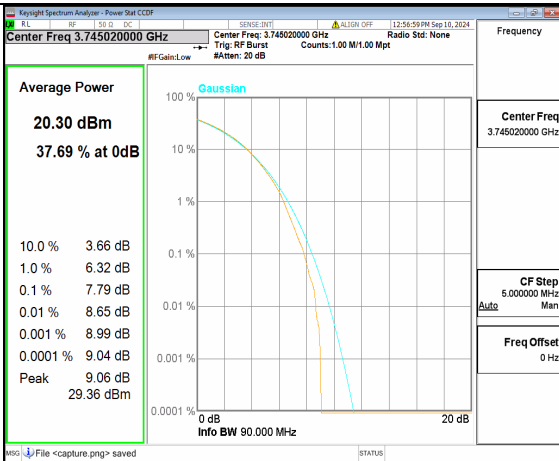
n78(3700-3800MHz) 80M CP-OFDM QPSK
Outer_Full Midn78(3700-3800MHz) 80M CP-OFDM
256QAM Outer_Full Midn78(3700-3800MHz) 80M DFT-s-OFDM
BPSK Outer_Full Highn78(3700-3800MHz) 80M DFT-s-OFDM
256QAM Outer_Full Highn78(3700-3800MHz) 80M CP-OFDM QPSK
Outer_Full Highn78(3700-3800MHz) 80M CP-OFDM
256QAM Outer_Full High



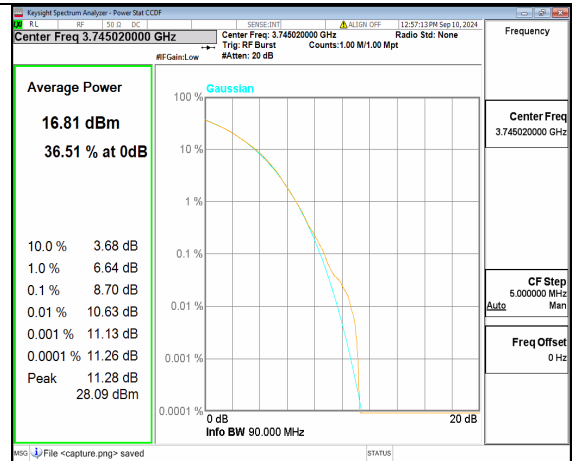
n78(3700-3800MHz) 90M DFT-s-OFDM
BPSK Outer_Full Low



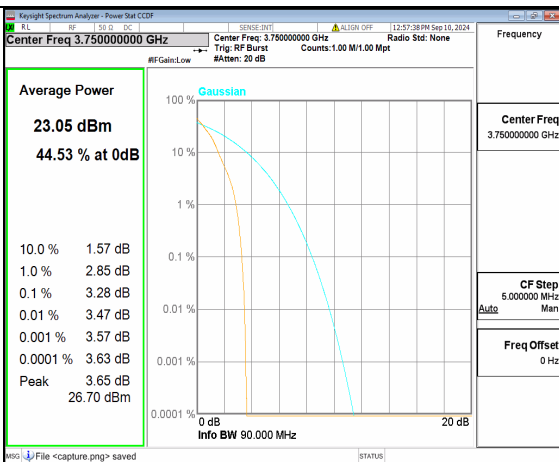
n78(3700-3800MHz) 90M DFT-s-OFDM
256QAM Outer_Full Low



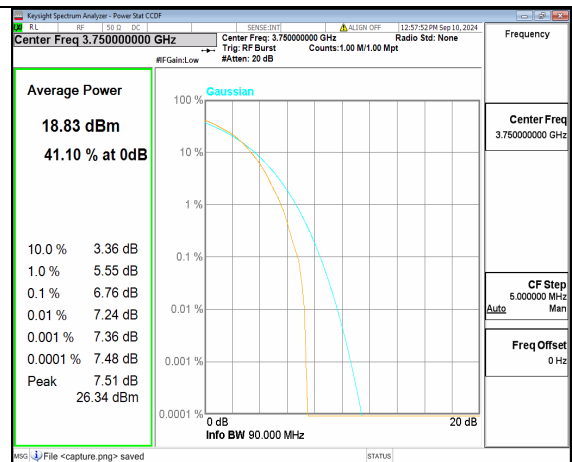
n78(3700-3800MHz) 90M CP-OFDM QPSK
Outer_Full Low



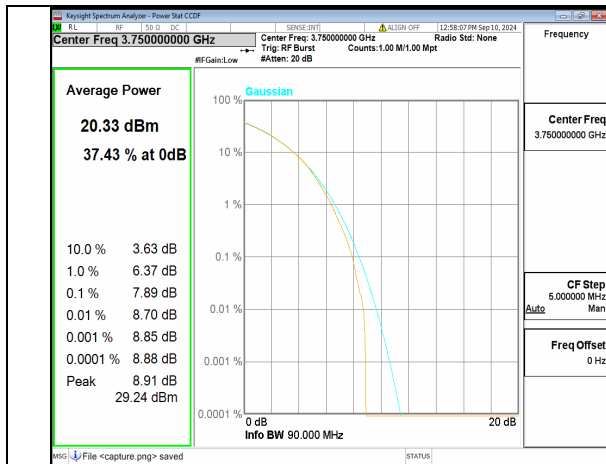
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256QAM Outer_Full Low



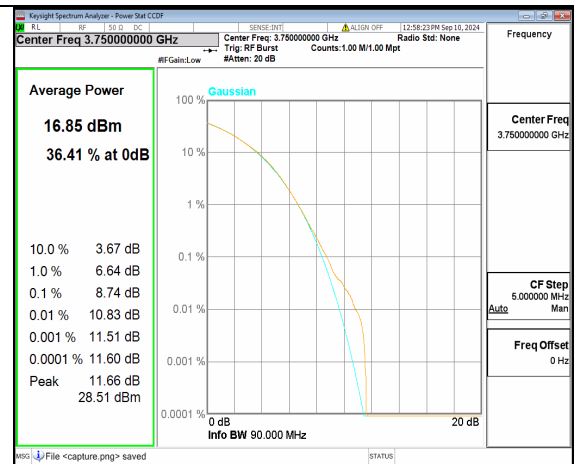
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BPSK Outer_Full Mid



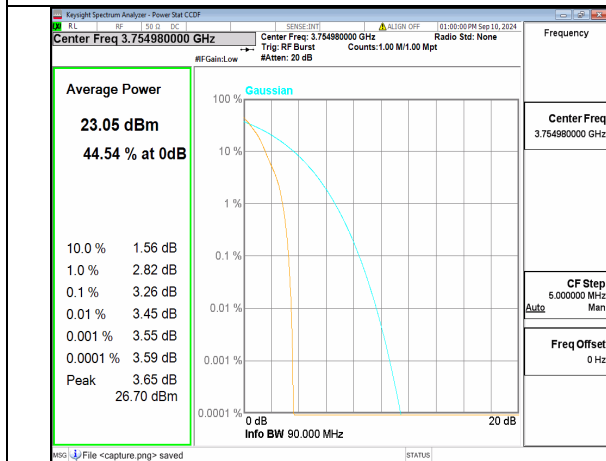
n78(3700-3800MHz) 90M DFT-s-OFDM
256QAM Outer_Full Mid



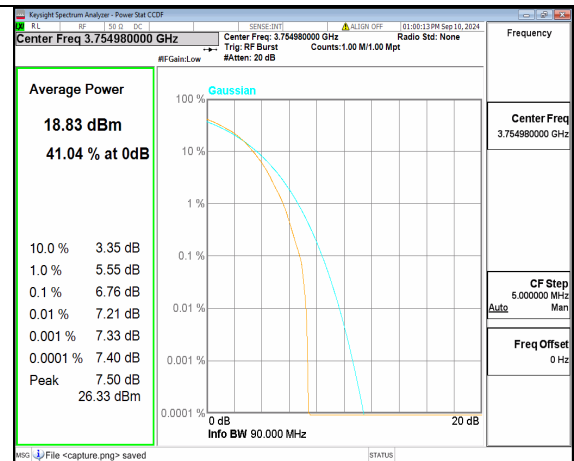
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Outer_Full Mid



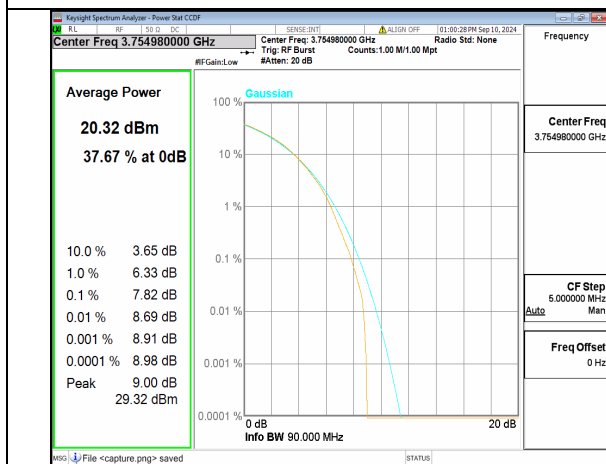
n78(3700-3800MHz) 90M CP-OFDM
256QAM Outer_Full Mid



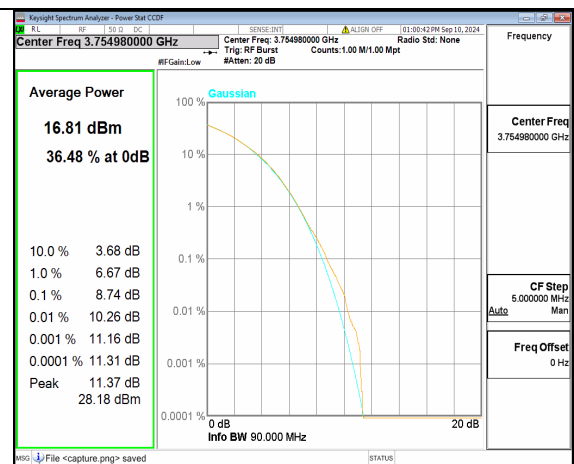
n78(3700-3800MHz) 90M DFT-s-OFDM
BPSK Outer_Full High



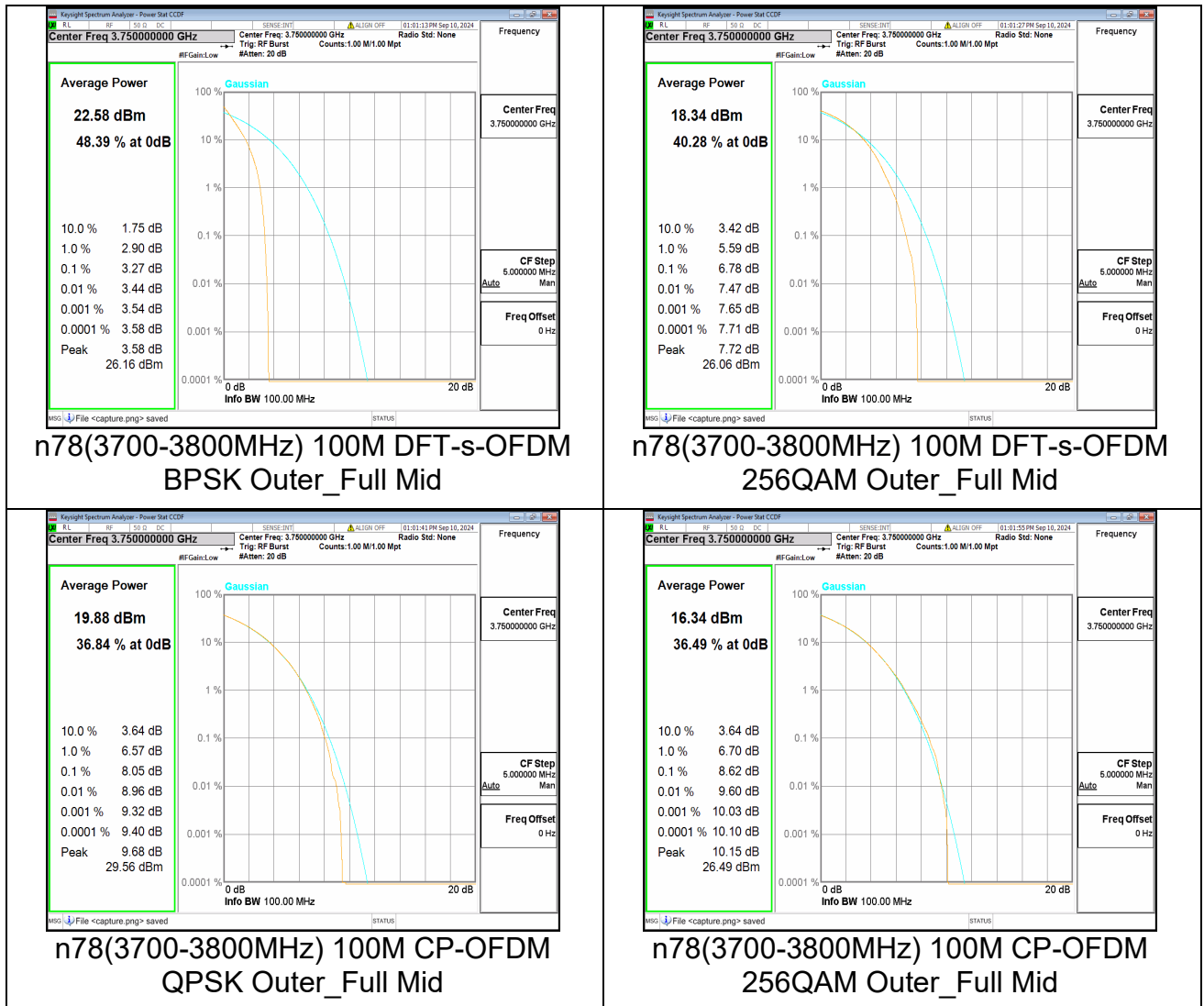
n78(3700-3800MHz) 90M DFT-s-OFDM
256QAM Outer_Full High



n78(3700-3800MHz) 90M CP-OFDM QPSK
Outer_Full High



n78(3700-3800MHz) 90M CP-OFDM
256QAM Outer_Full High



2.5. Conducted Spurious Emissions

2.5.1. Requirement

According to FCC section 2.1051, section 22.917(a), 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 $43 + 10 \log(P)$ dB. This calculated to be -13dBm.

According to FCC section 24.238(a) for n2, n25, 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 $43 + 10 \log(P)$ dB.

Additional to FCC section 22.917(a) for n5, n26, 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 $43 + 10 \log(P)$ dB. This calculated to be -13dBm.

According to FCC section 27.53(m)(4) for n7, n38, n41, 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 $55 + 10 \log(P)$ dB. This calculated to be -25dBm.

According to FCC section 27.53(g) for n12, n71, 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.

According to FCC section 27.53 for n30, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $70 + 10 \log(P)$ dB. This calculated to be -40dBm.

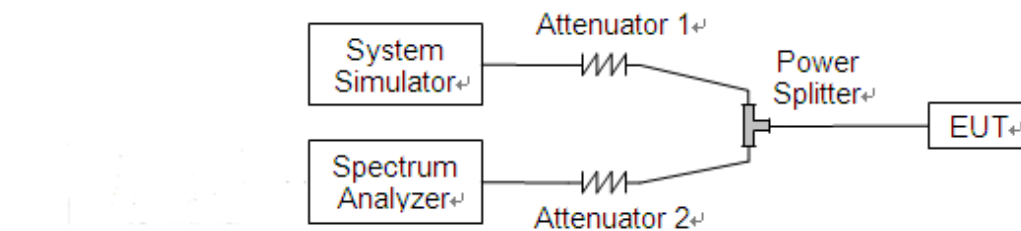
According to FCC section 96.41(e) for n48, the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz.

According to FCC section 27.53(h) for n66, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

According to FCC section 27.53(l)(2) for n77, n78, 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.

According to FCC section 27.53(n)(2) for n77, n78, 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.

2.5.2. Test Description



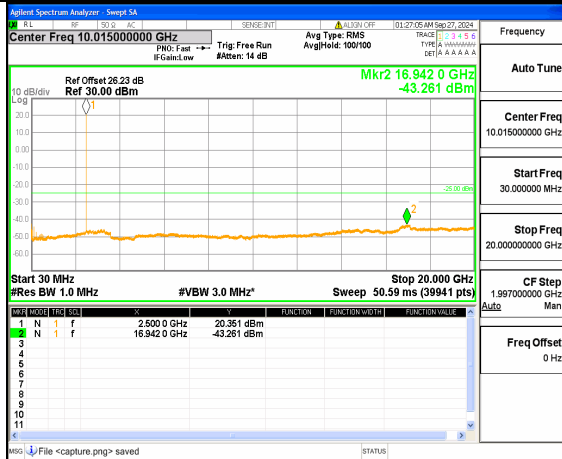
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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

2.5.3. Test procedure

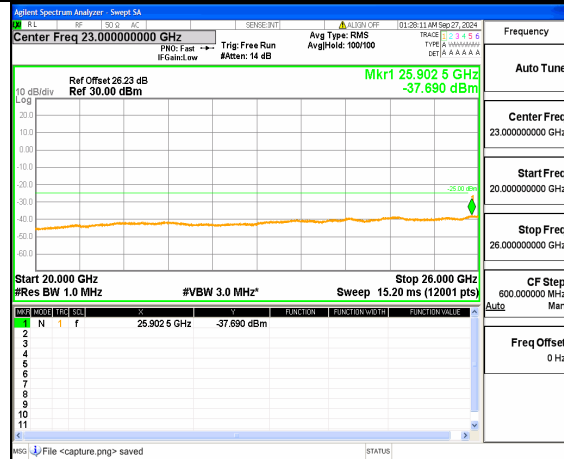
KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

2.5.4. Test Result

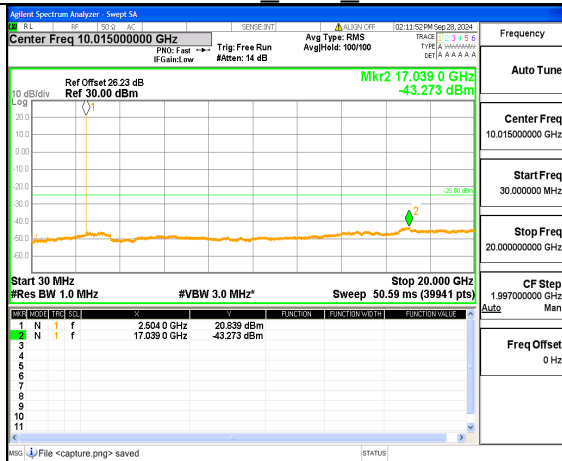
Note: In the same NR frequency band, The measured power in SA mode is higher than that in NSA mode, SA mode is selected to test all test cases.



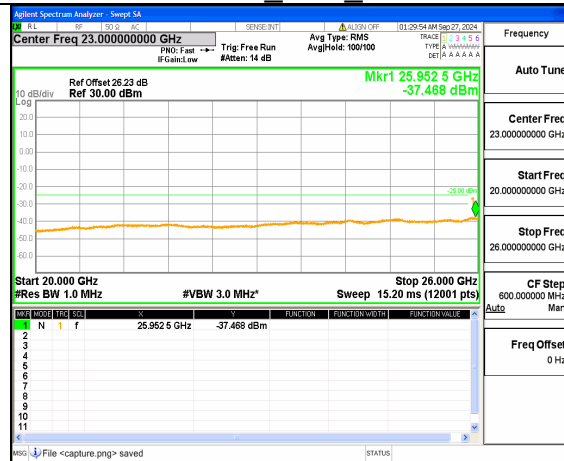
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BPSK Inner 1RB Left Low



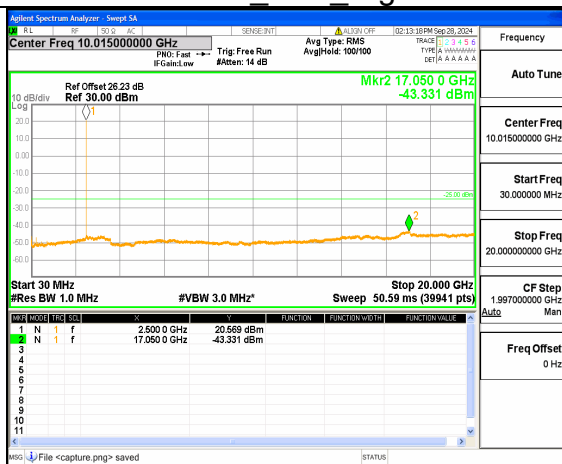
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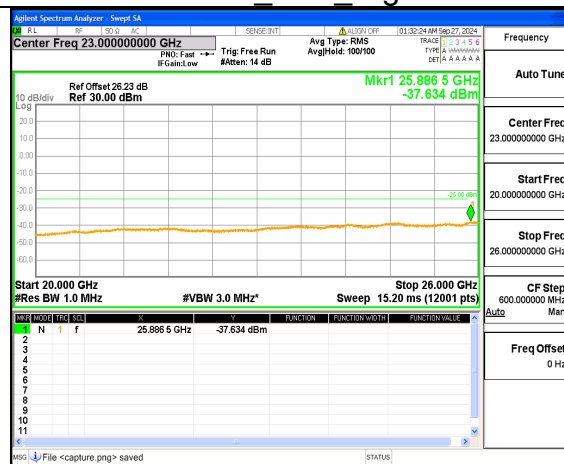
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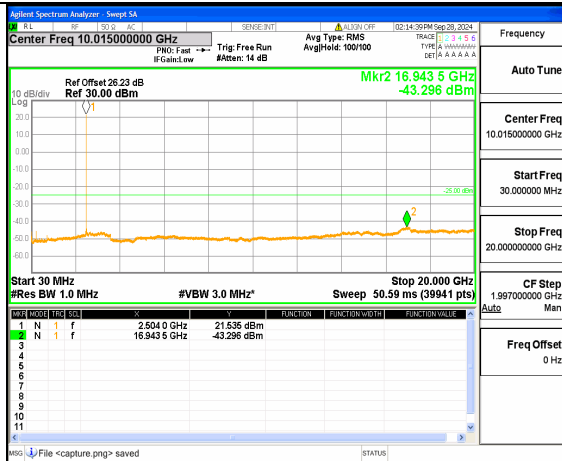
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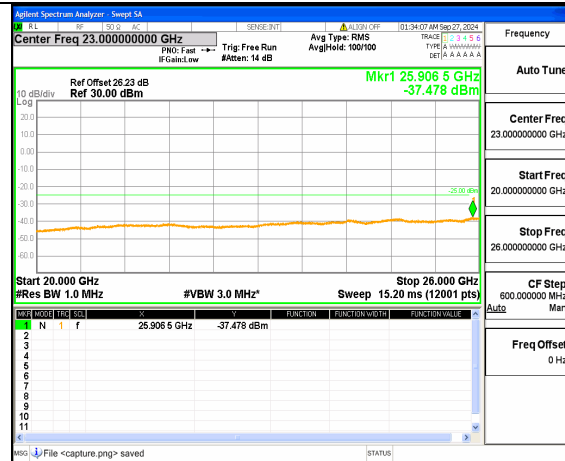
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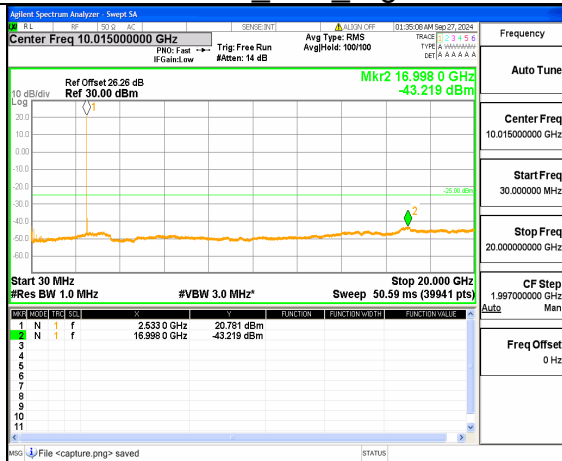
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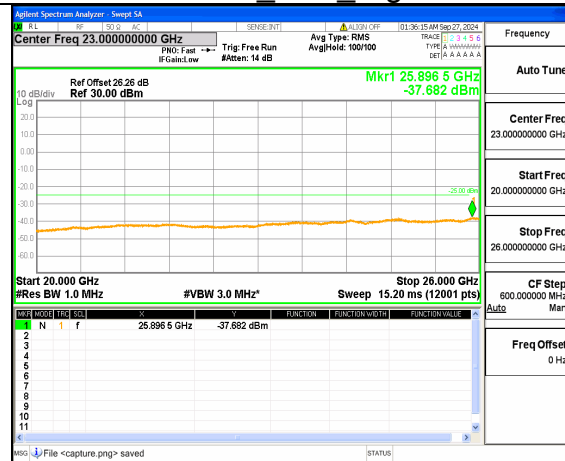
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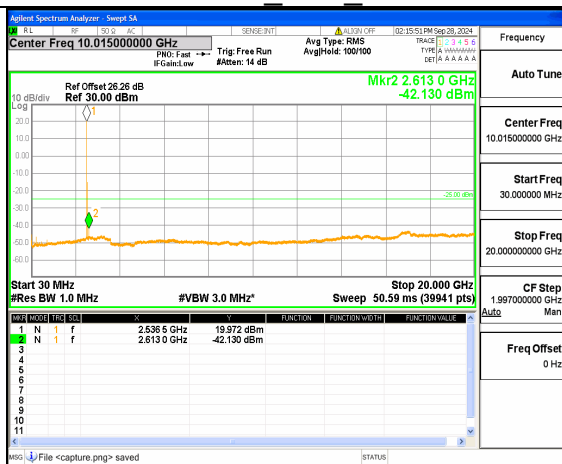
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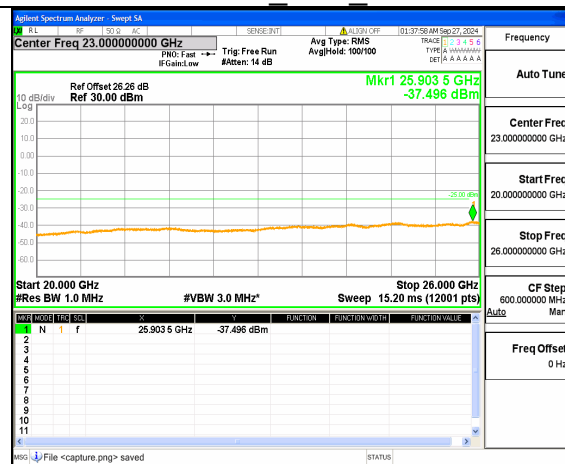
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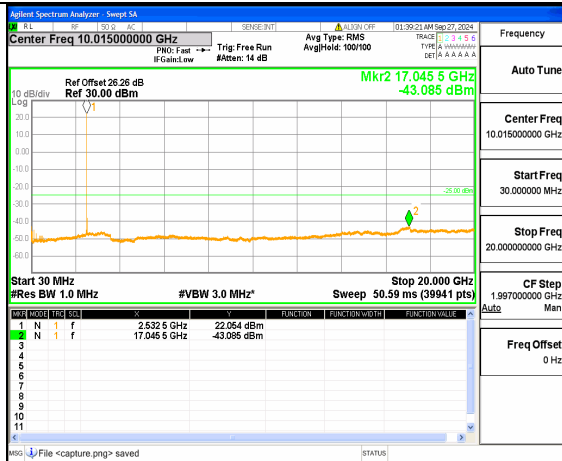
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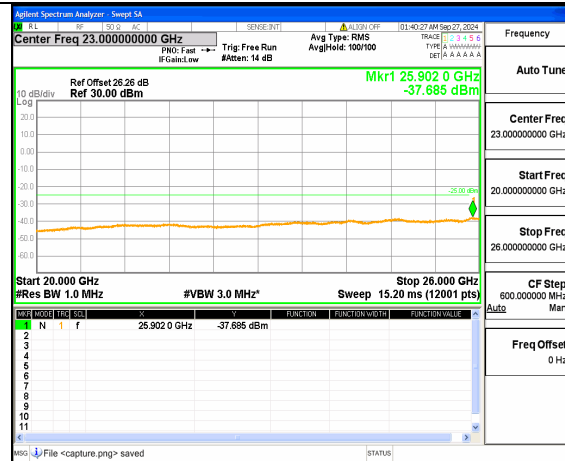
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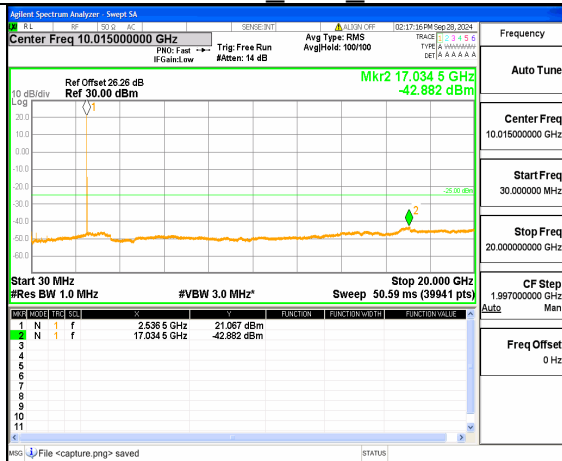
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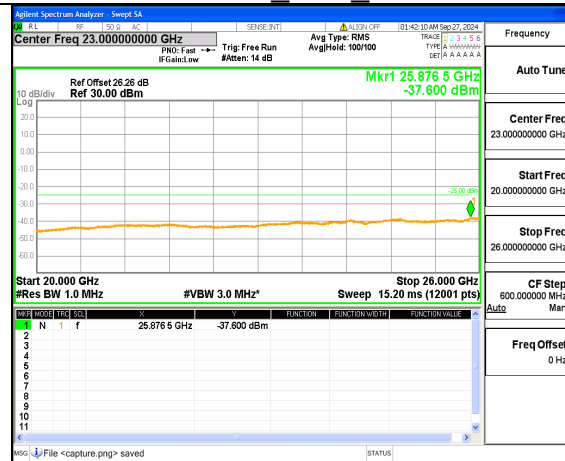
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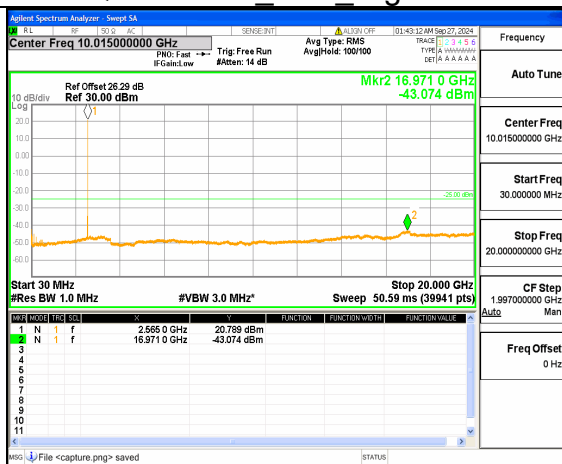
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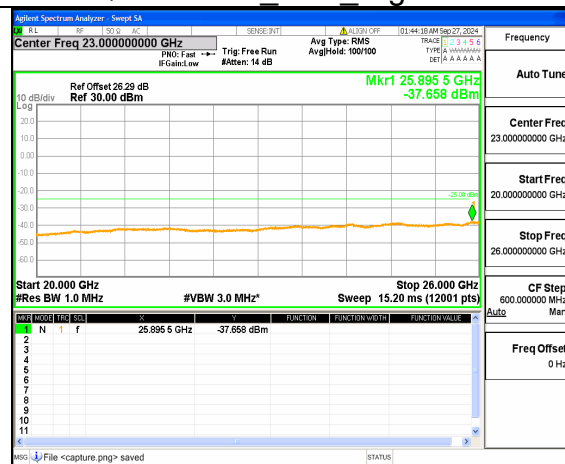
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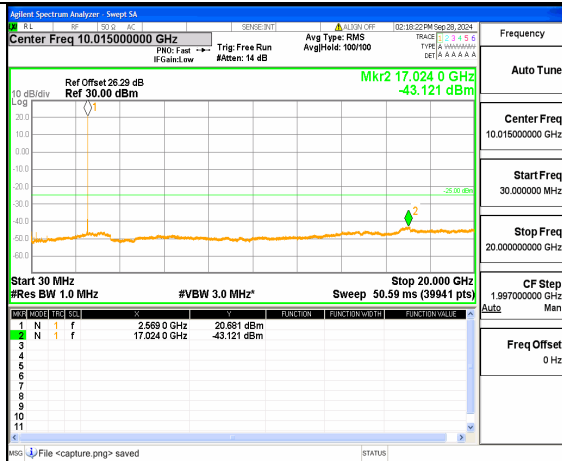
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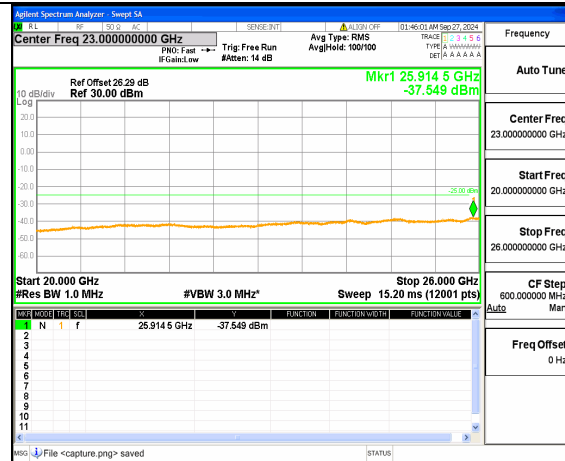
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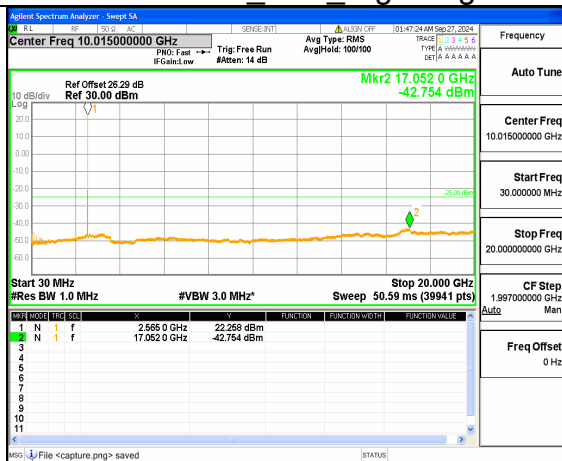
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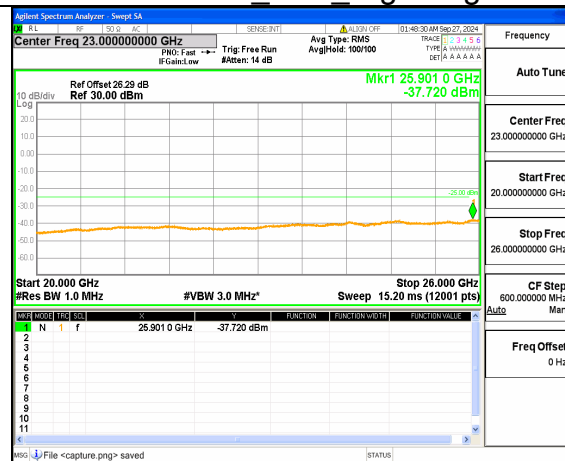
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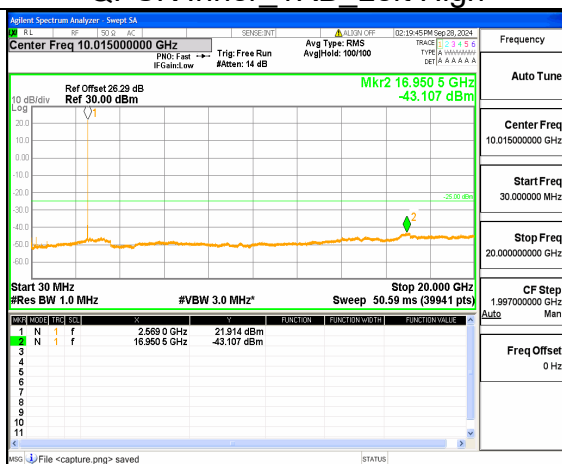
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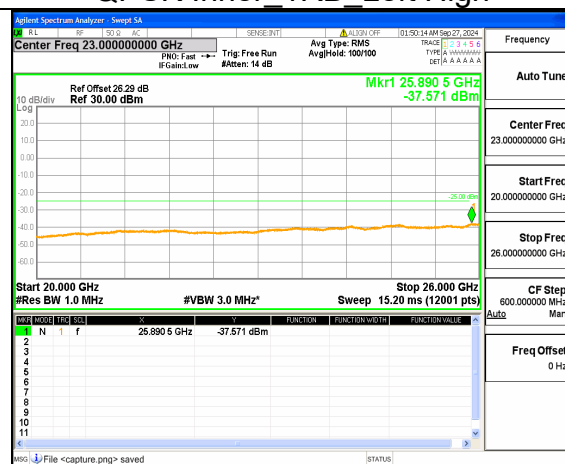
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QPSK Inner 1RB Left High



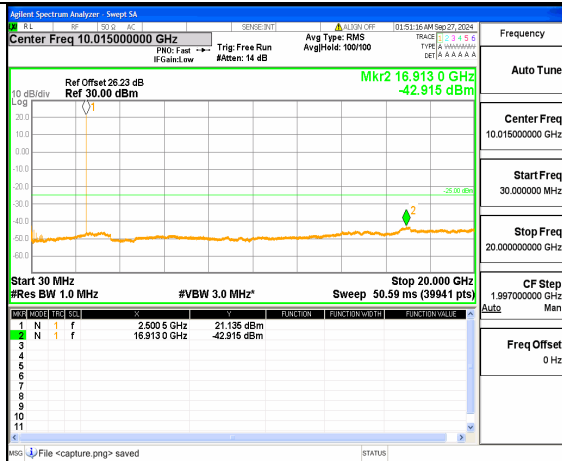
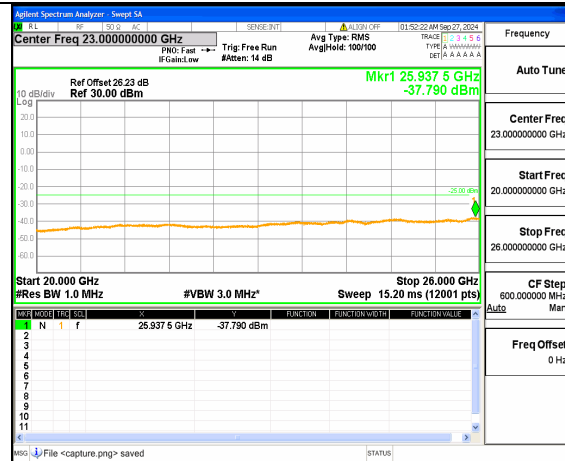
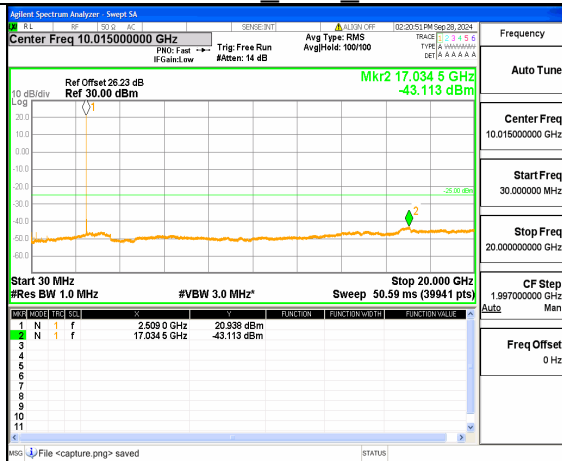
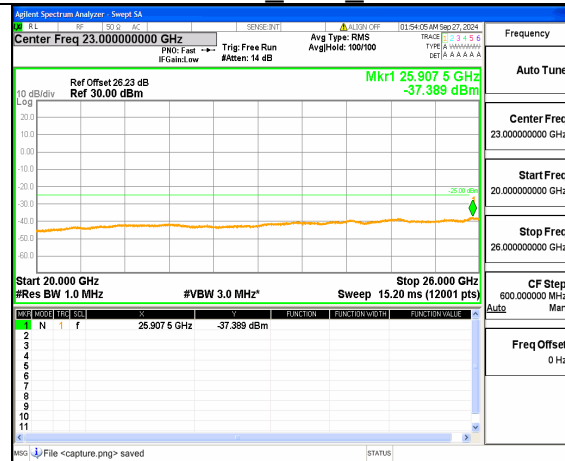
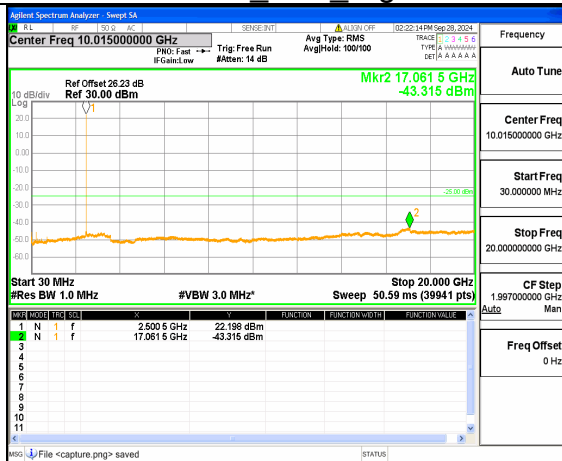
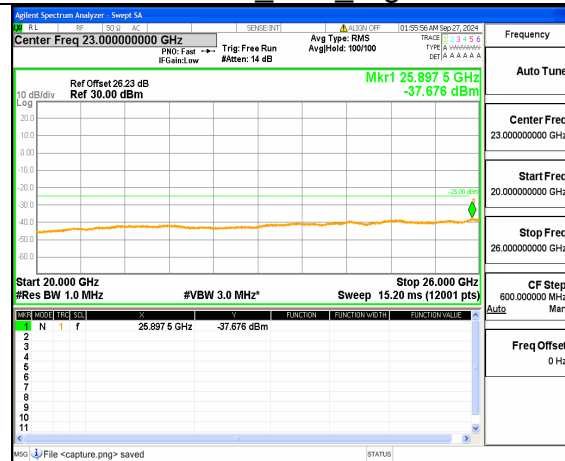
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QPSK Inner 1RB Left High

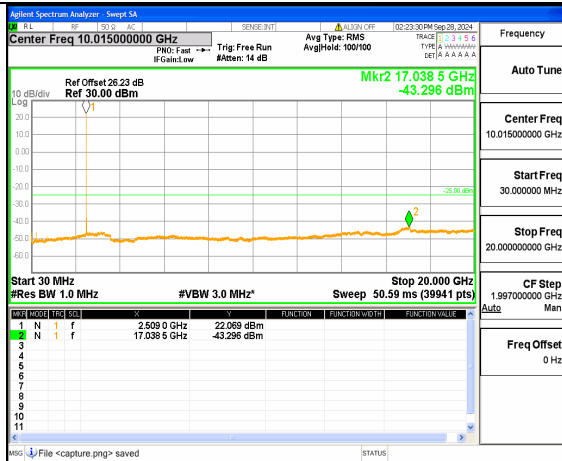


n7 (30MHz-20GHz) 5M DFT-s-OFDM
QPSK Inner 1RB Right High

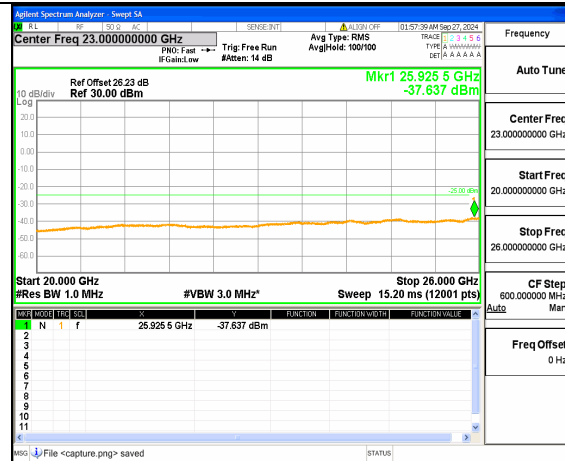


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QPSK Inner 1RB Right High

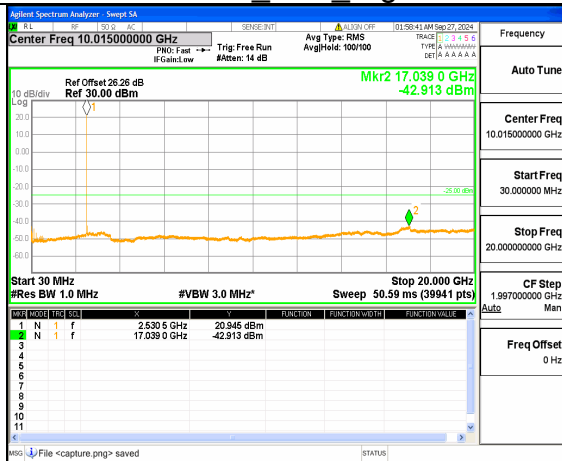
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BPSK Inner 1RB Left Lown7 (20GHz-26GHz) 10M DFT-s-OFDM
BPSK Inner 1RB Left Lown7 (30MHz-20GHz) 10M DFT-s-OFDM
BPSK Inner 1RB Right Lown7 (20GHz-26GHz) 10M DFT-s-OFDM
BPSK Inner 1RB Right Lown7 (30MHz-20GHz) 10M DFT-s-OFDM
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QPSK Inner 1RB Left Low



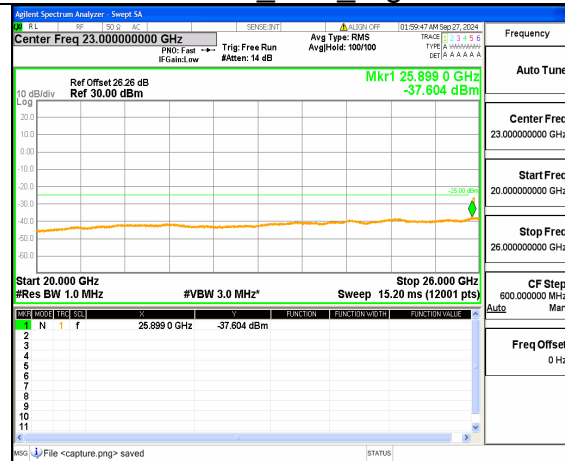
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QPSK Inner 1RB Right Low



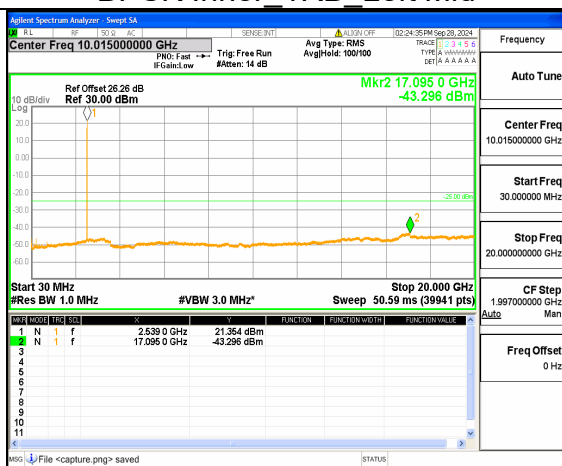
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QPSK Inner 1RB Right Low



n7 (30MHz-20GHz) 10M DFT-s-OFDM
BPSK Inner 1RB Left Mid



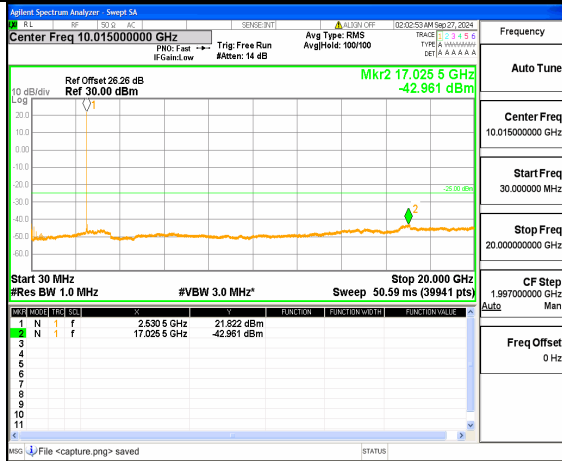
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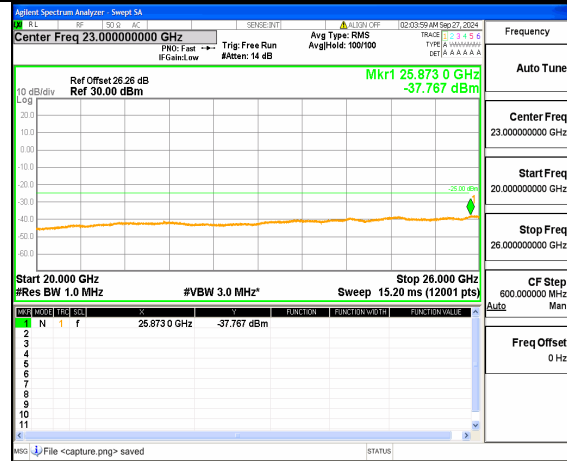
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BPSK Inner 1RB Right Mid



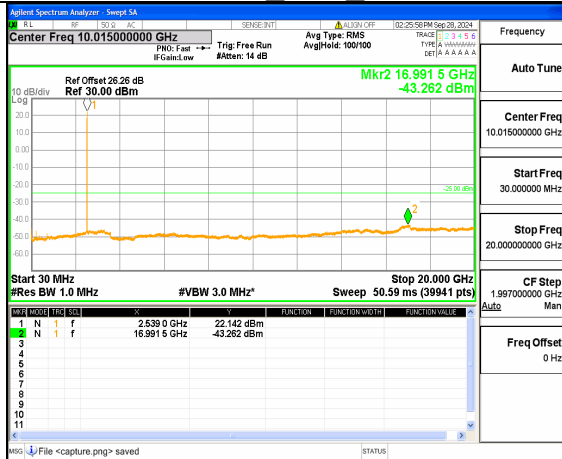
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BPSK Inner 1RB Right Mid



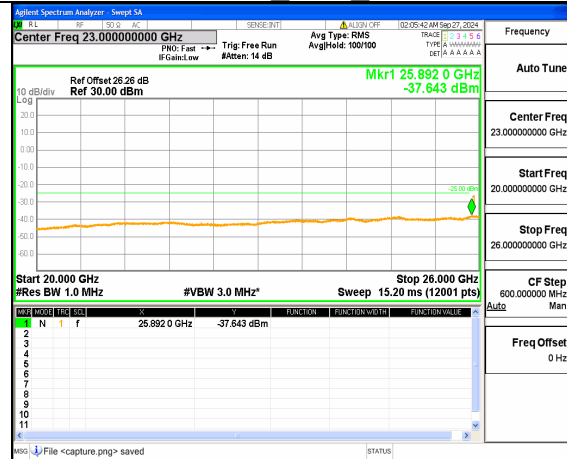
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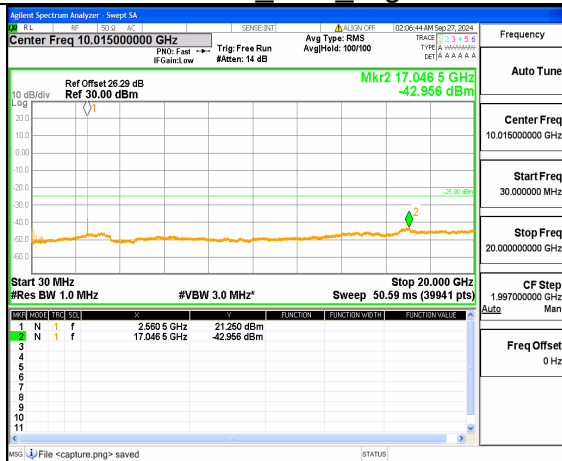
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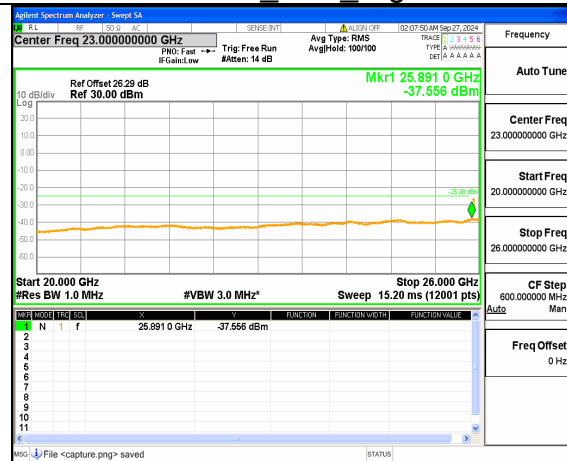
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QPSK Inner 1RB Right Mid



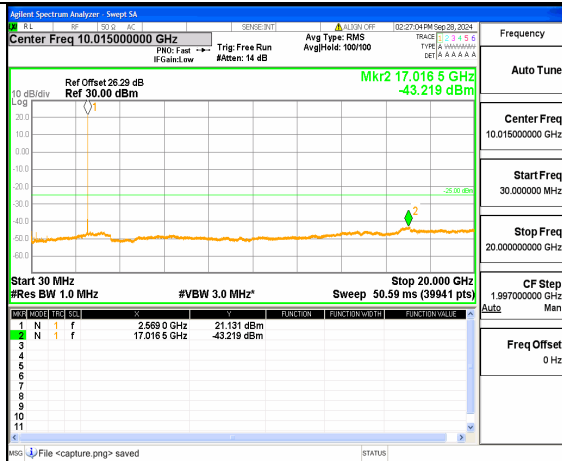
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QPSK Inner 1RB Right Mid



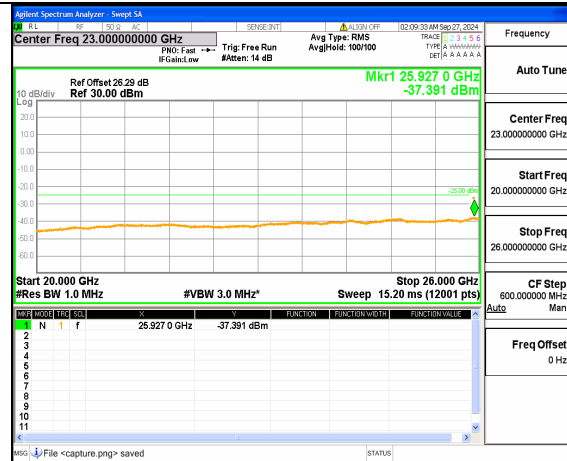
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BPSK Inner 1RB Left High



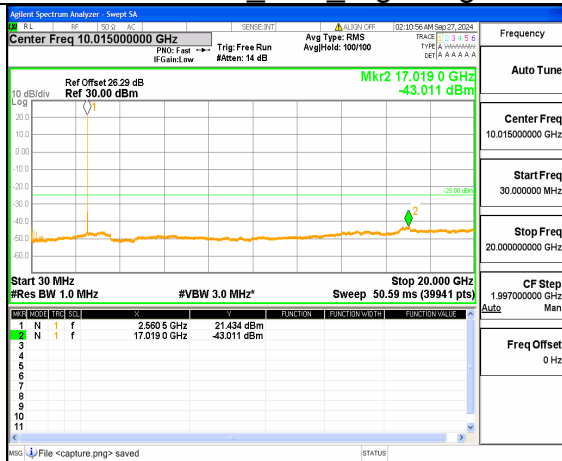
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BPSK Inner 1RB Left High



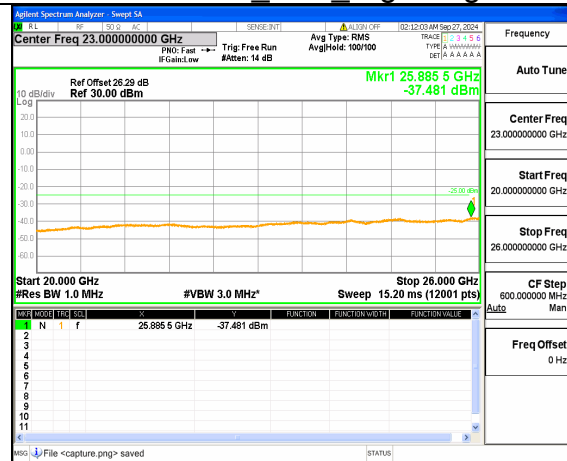
n7 (30MHz-20GHz) 10M DFT-s-OFDM
BPSK Inner 1RB Right High



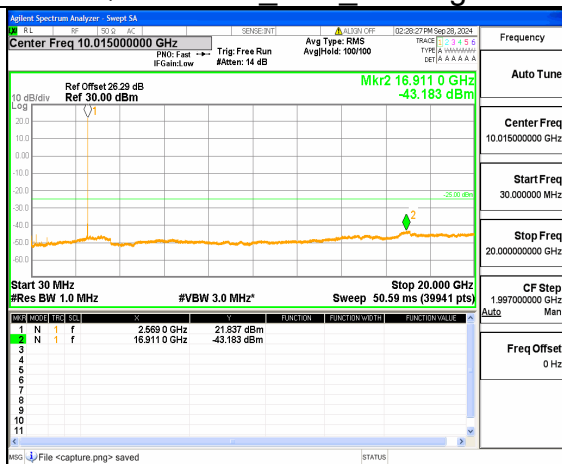
n7 (20GHz-26GHz) 10M DFT-s-OFDM
BPSK Inner 1RB Right High



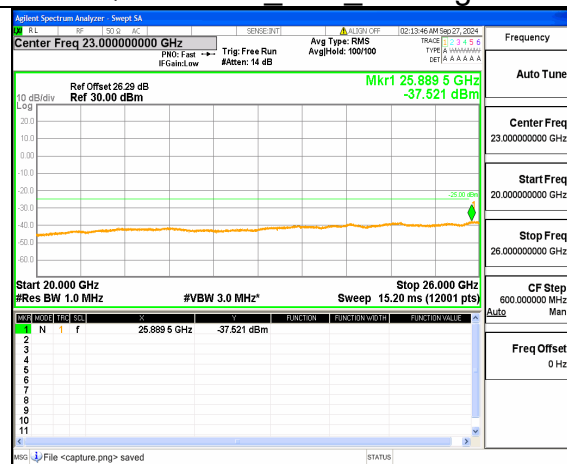
n7 (30MHz-20GHz) 10M DFT-s-OFDM
QPSK Inner 1RB Left High



n7 (20GHz-26GHz) 10M DFT-s-OFDM
QPSK Inner 1RB Left High



n7 (30MHz-20GHz) 10M DFT-s-OFDM
QPSK Inner 1RB Right High



n7 (20GHz-26GHz) 10M DFT-s-OFDM
QPSK Inner 1RB Right High