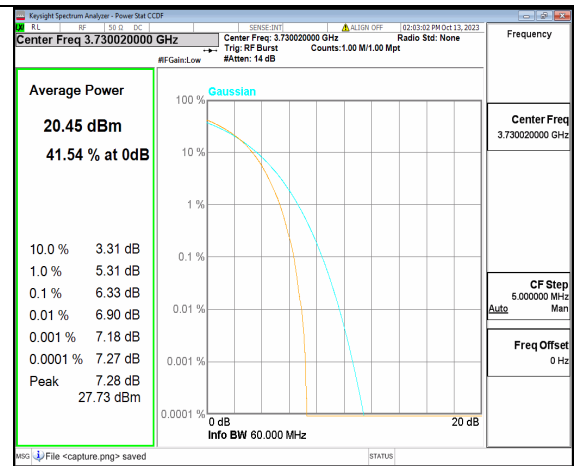
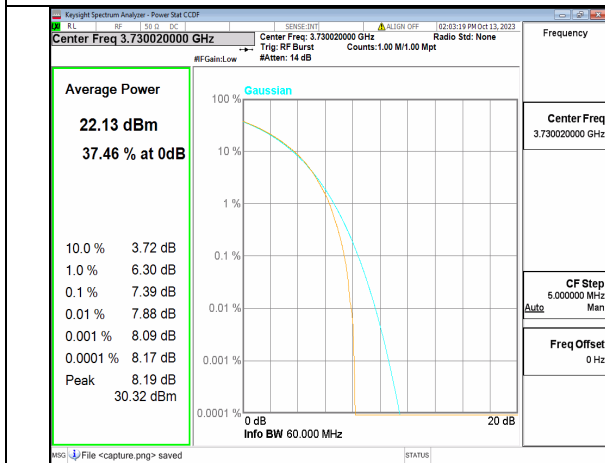


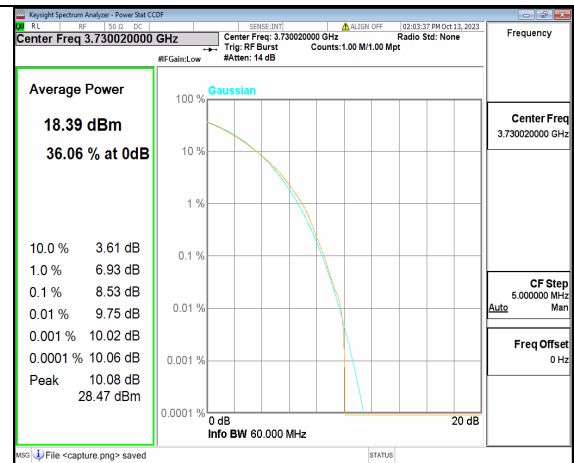
5A\_n77(3700-3980MHz) 60M DFT-s-OFDM BPSK Outer\_Full Low



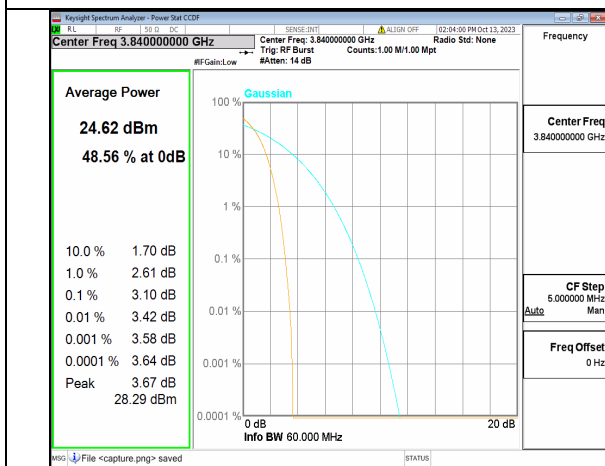
5A\_n77(3700-3980MHz) 60M DFT-s-OFDM 256QAM Outer\_Full Low



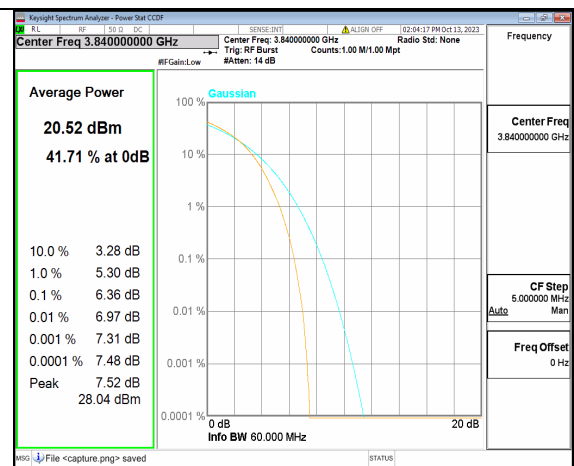
5A\_n77(3700-3980MHz) 60M CP-OFDM QPSK Outer\_Full Low



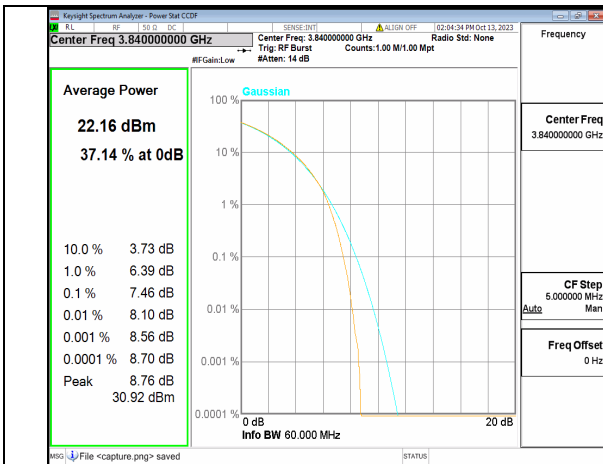
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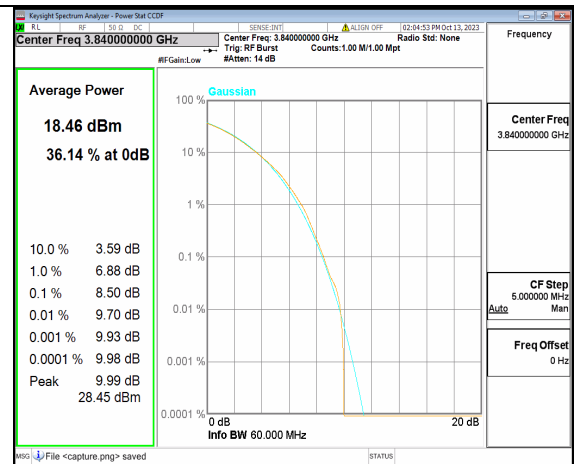
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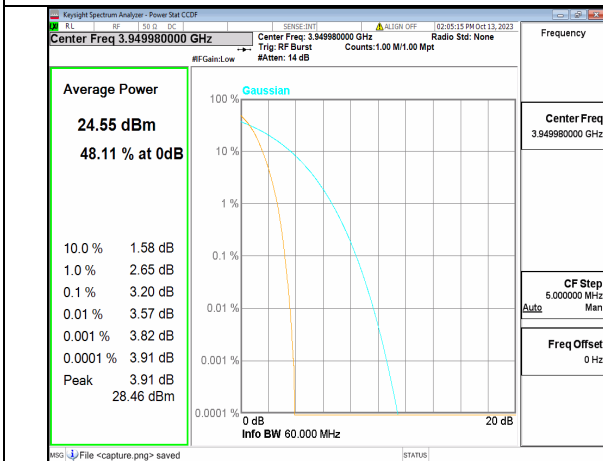
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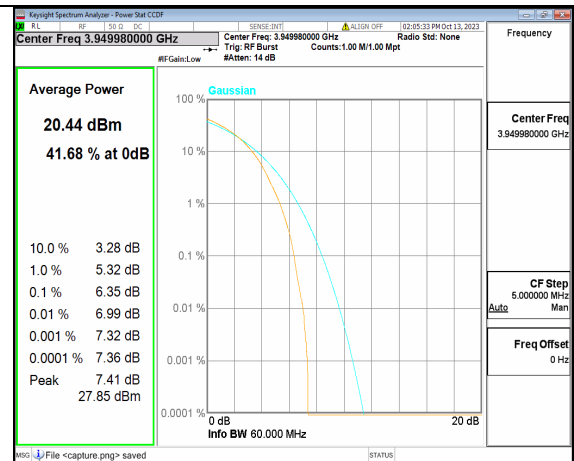
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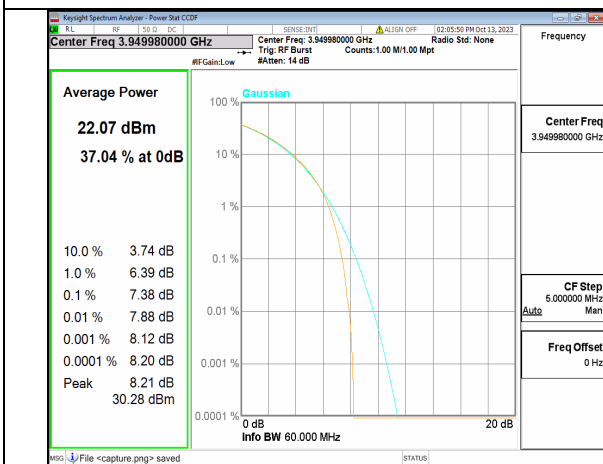
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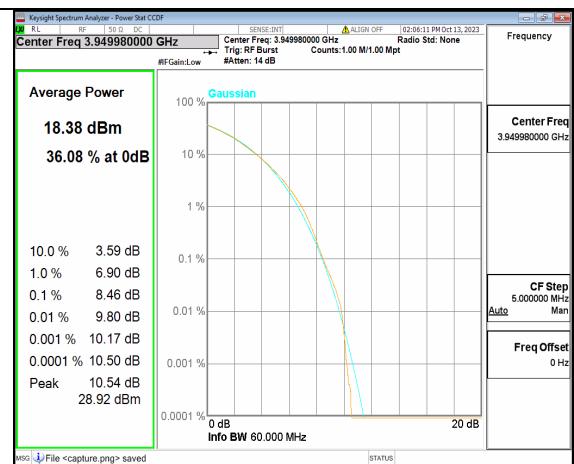
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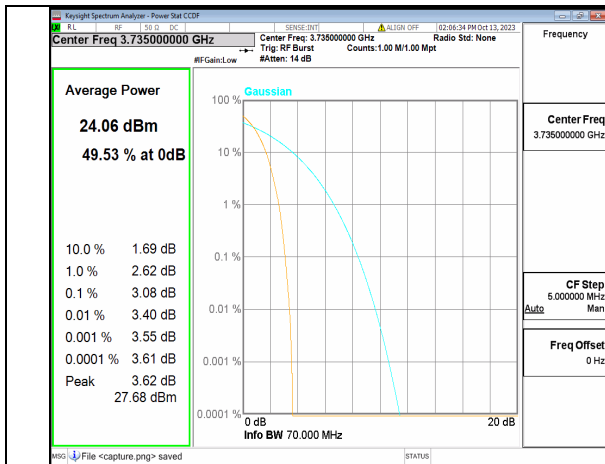
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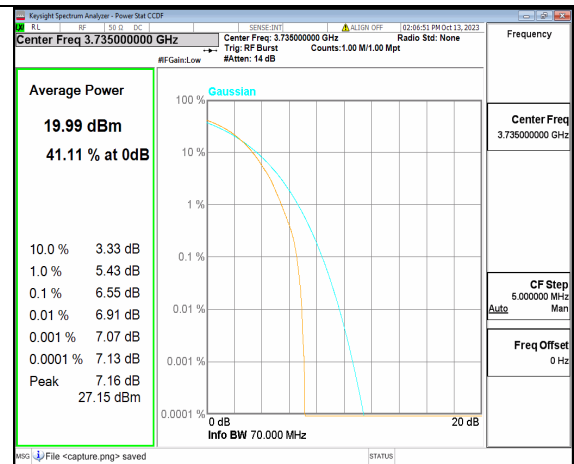
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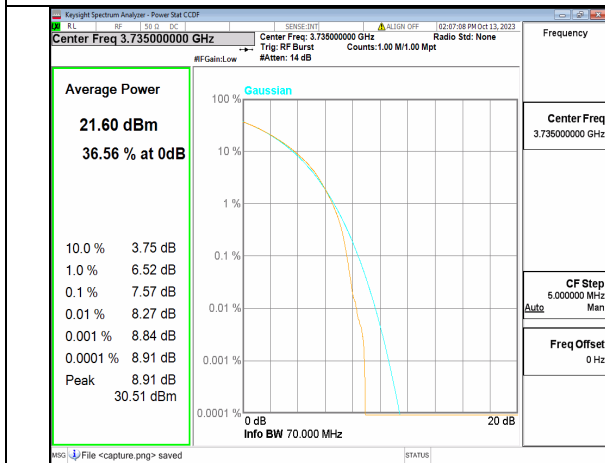
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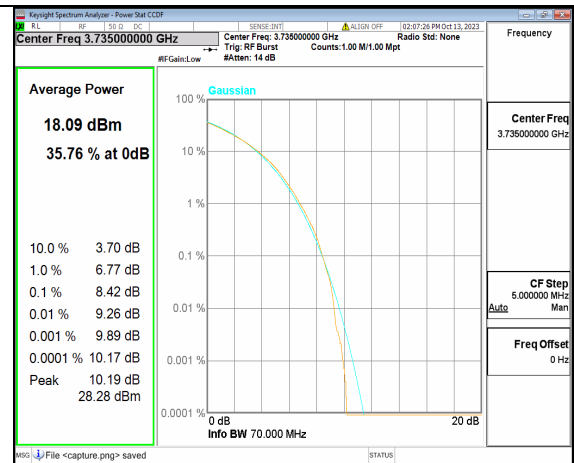
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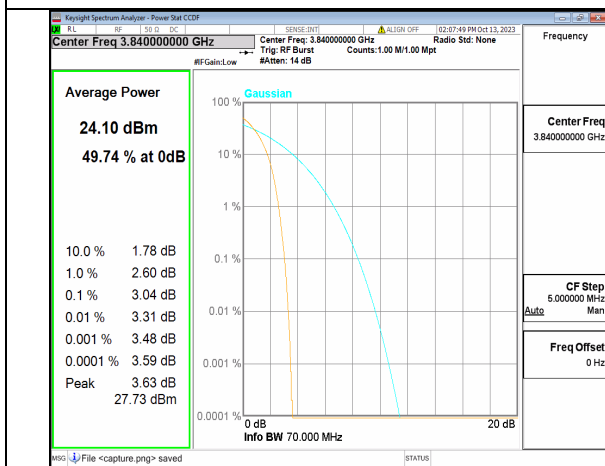
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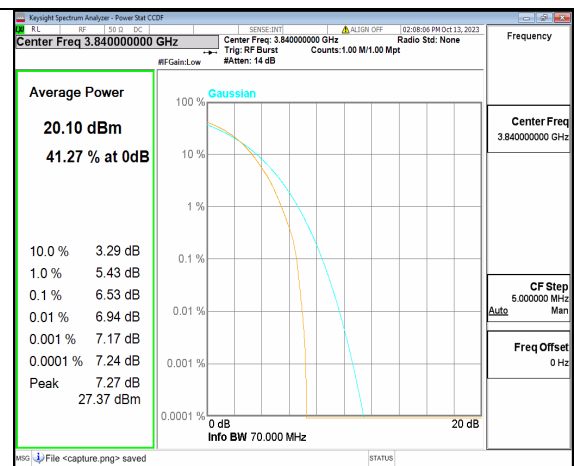
5A\_n77(3700-3980MHz) 70M CP-OFDM QPSK Outer\_Full Low



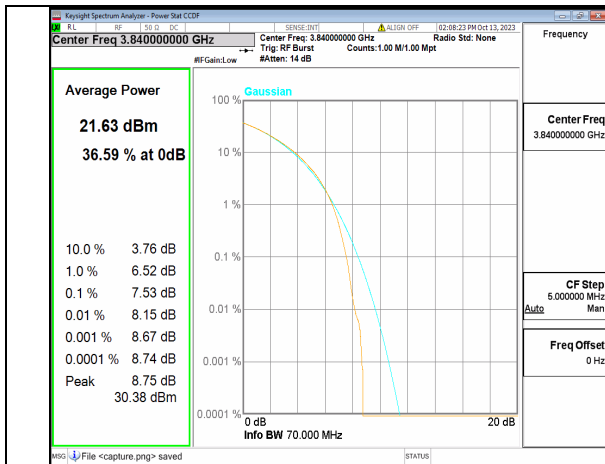
5A\_n77(3700-3980MHz) 70M CP-OFDM 256QAM Outer\_Full Low



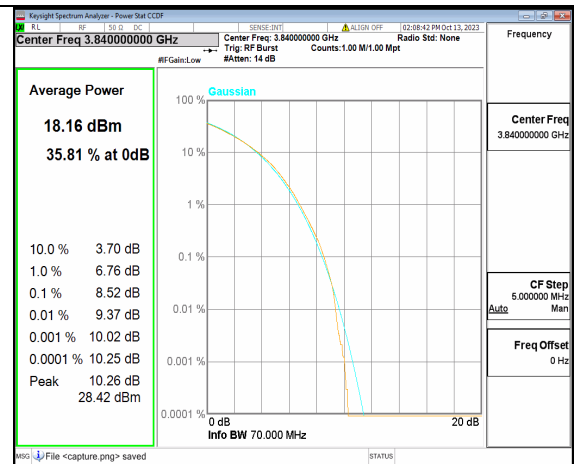
5A\_n77(3700-3980MHz) 70M DFT-s-OFDM BPSK Outer\_Full Mid



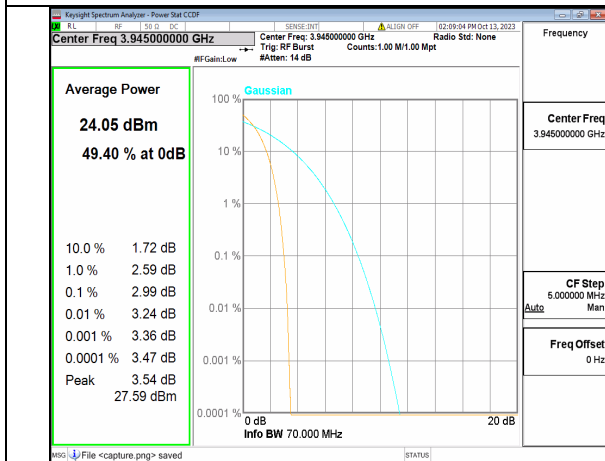
5A\_n77(3700-3980MHz) 70M DFT-s-OFDM 256QAM Outer\_Full Mid



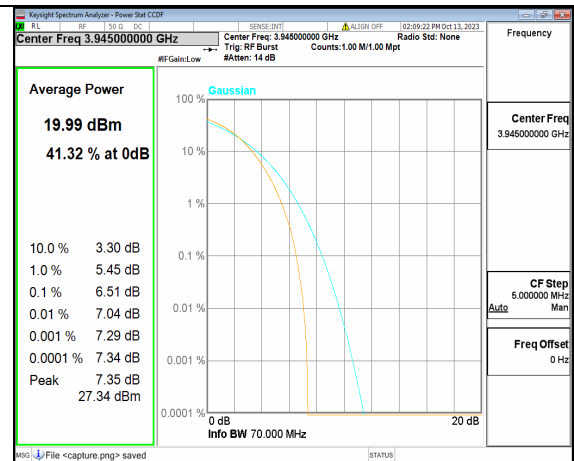
5A\_n77(3700-3980MHz) 70M CP-OFDM QPSK Outer\_Full Mid



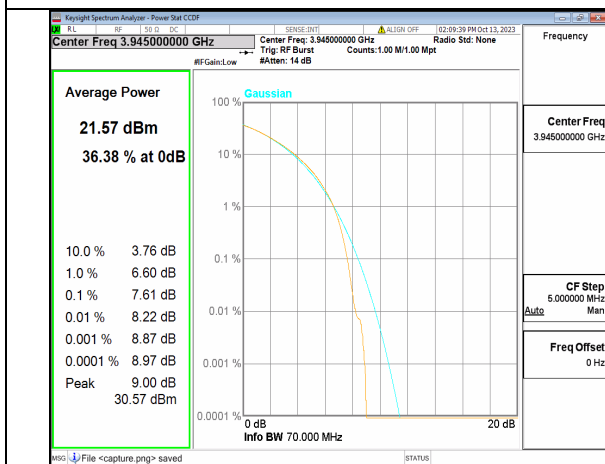
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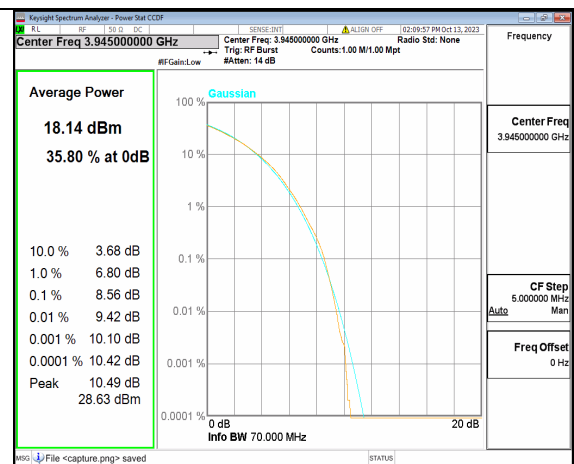
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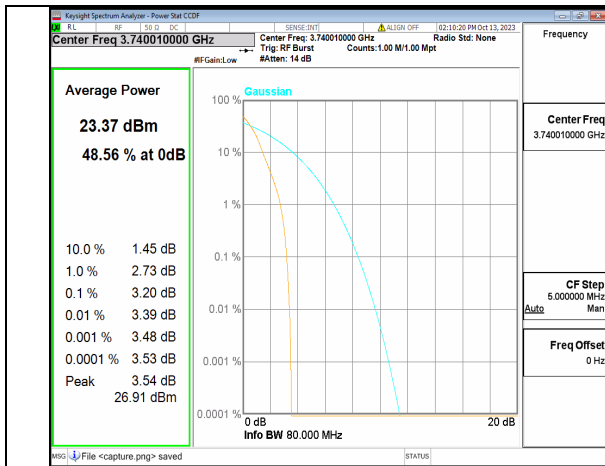
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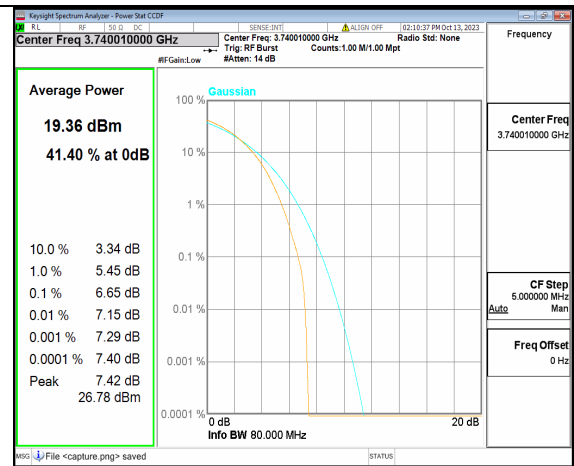
5A\_n77(3700-3980MHz) 70M CP-OFDM QPSK Outer\_Full High



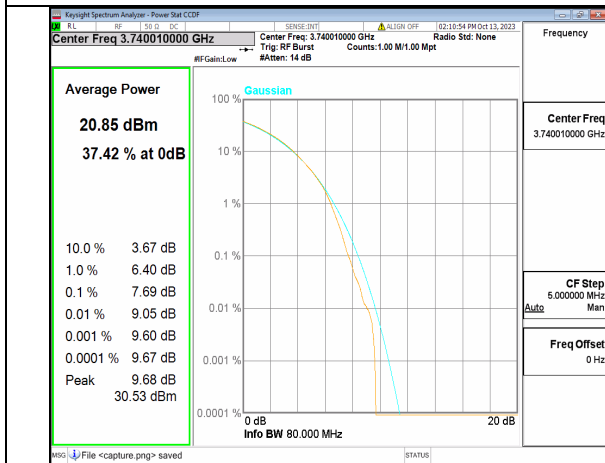
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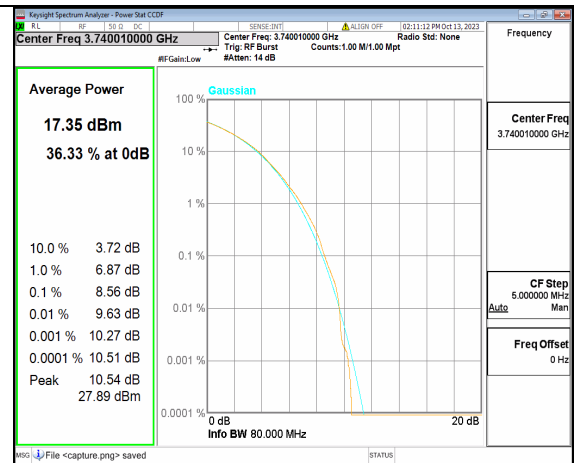
5A\_n77(3700-3980MHz) 80M DFT-s-OFDM BPSK Outer\_Full Low



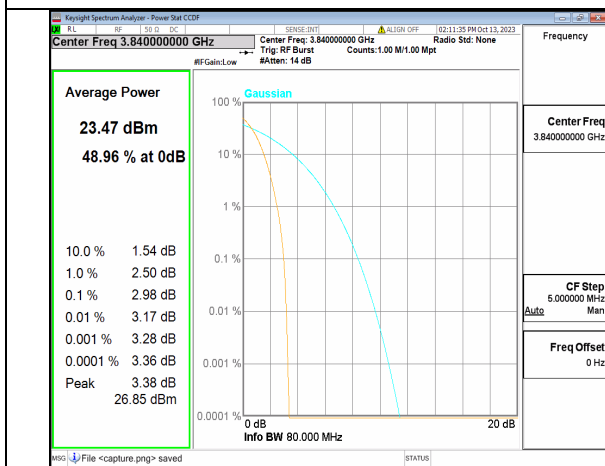
5A\_n77(3700-3980MHz) 80M DFT-s-OFDM 256QAM Outer\_Full Low



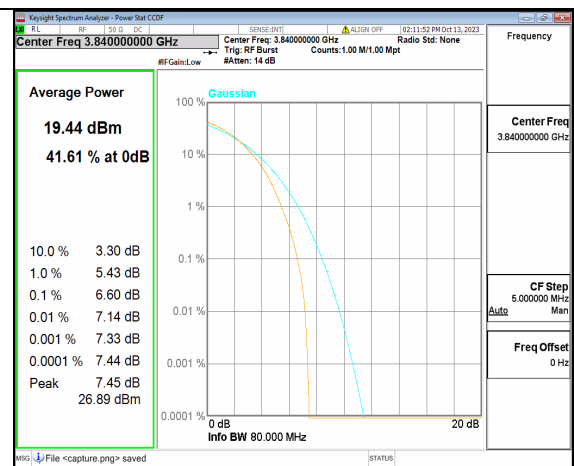
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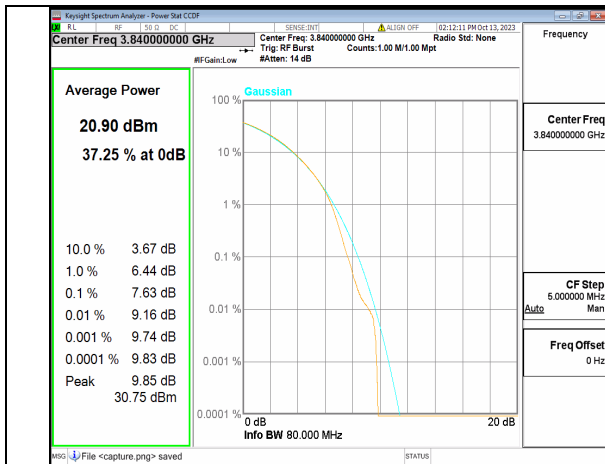
5A\_n77(3700-3980MHz) 80M CP-OFDM 256QAM Outer\_Full Low



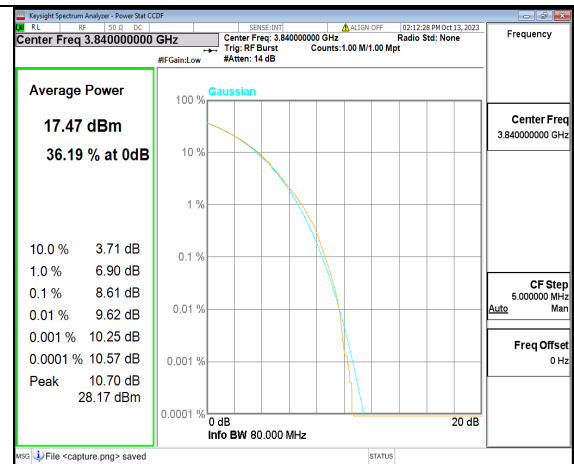
5A\_n77(3700-3980MHz) 80M DFT-s-OFDM BPSK Outer\_Full Mid



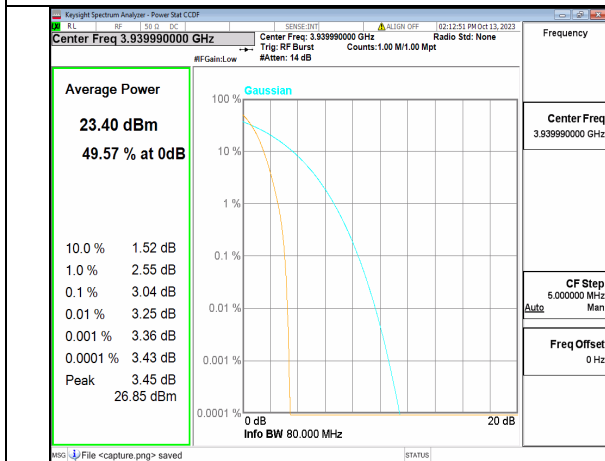
5A\_n77(3700-3980MHz) 80M DFT-s-OFDM 256QAM Outer\_Full Mid



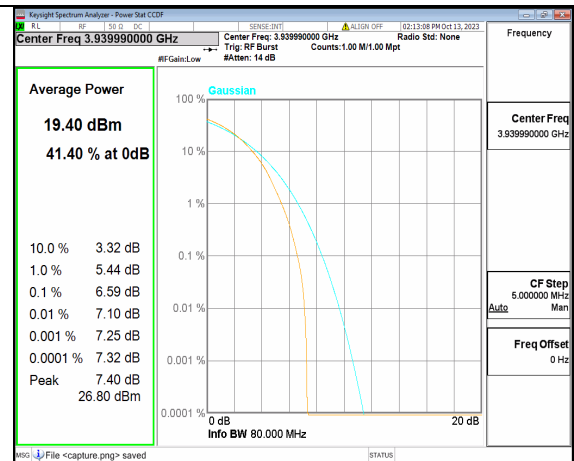
5A\_n77(3700-3980MHz) 80M CP-OFDM QPSK Outer\_Full Mid



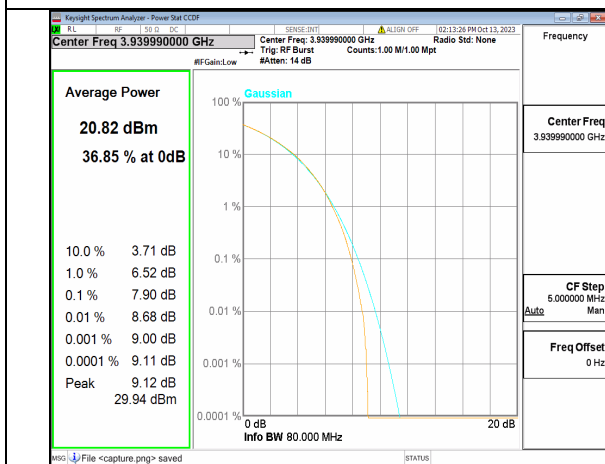
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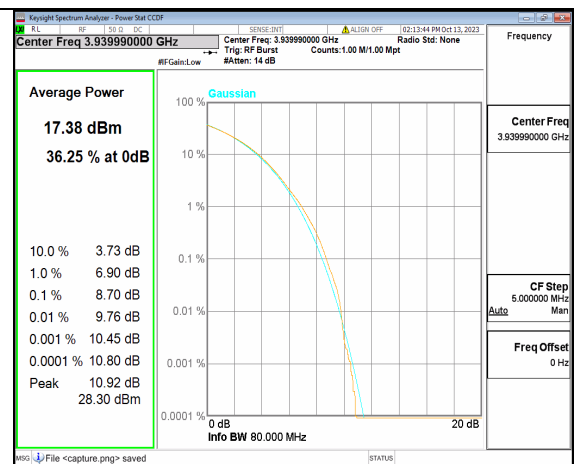
5A\_n77(3700-3980MHz) 80M DFT-s-OFDM BPSK Outer\_Full High



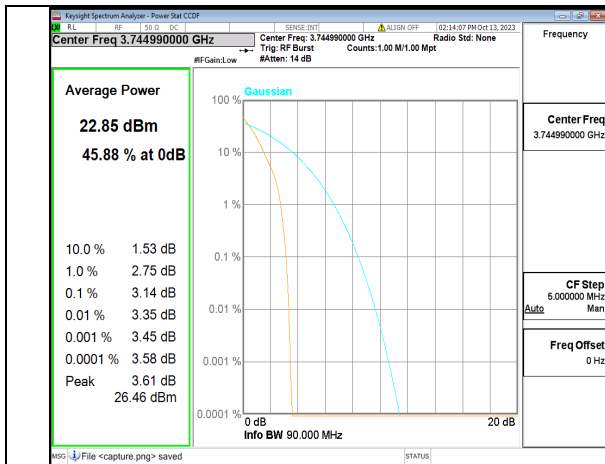
5A\_n77(3700-3980MHz) 80M DFT-s-OFDM 256QAM Outer\_Full High



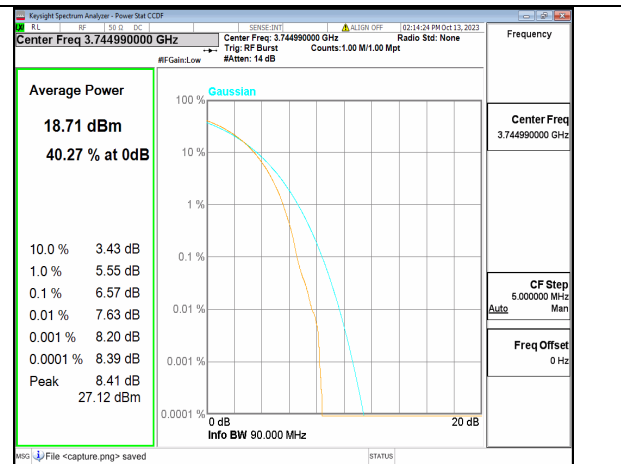
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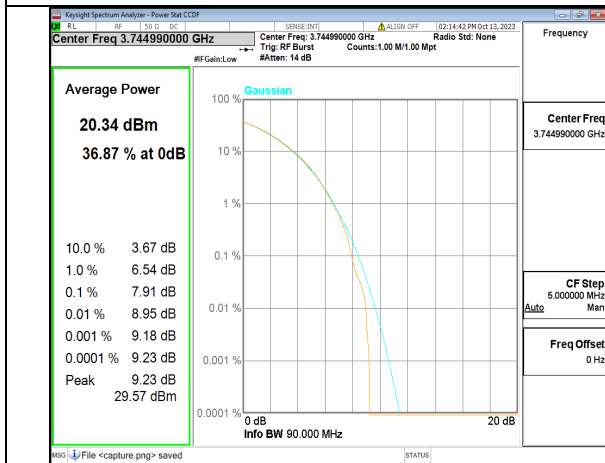
5A\_n77(3700-3980MHz) 80M CP-OFDM 256QAM Outer\_Full High



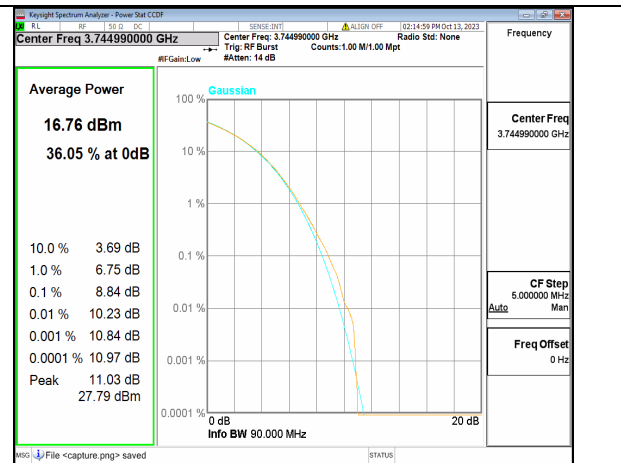
5A\_n77(3700-3980MHz) 90M DFT-s-OFDM BPSK Outer\_Full Low



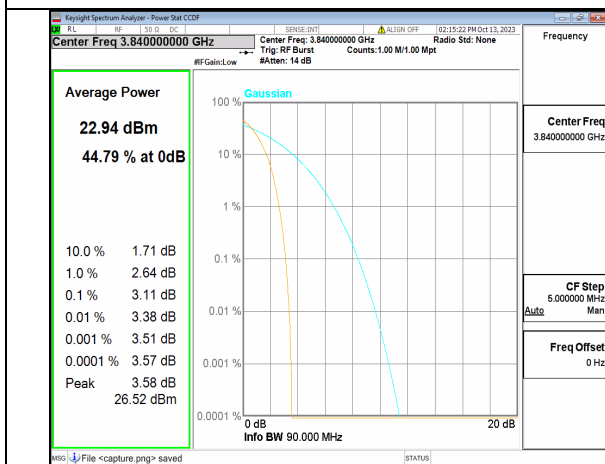
5A\_n77(3700-3980MHz) 90M DFT-s-OFDM 256QAM Outer\_Full Low



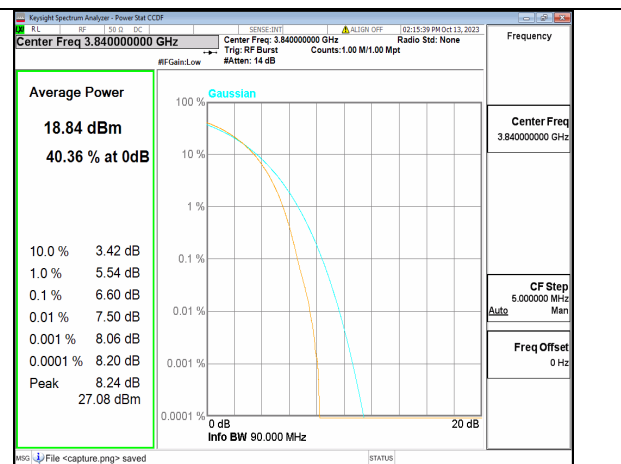
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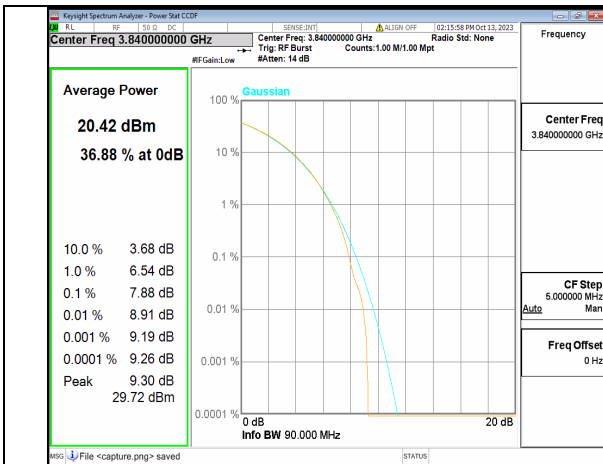
5A\_n77(3700-3980MHz) 90M CP-OFDM 256QAM Outer\_Full Low



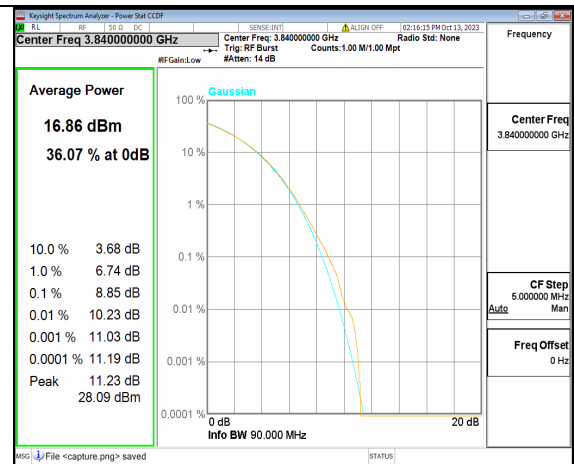
5A\_n77(3700-3980MHz) 90M DFT-s-OFDM BPSK Outer\_Full Mid



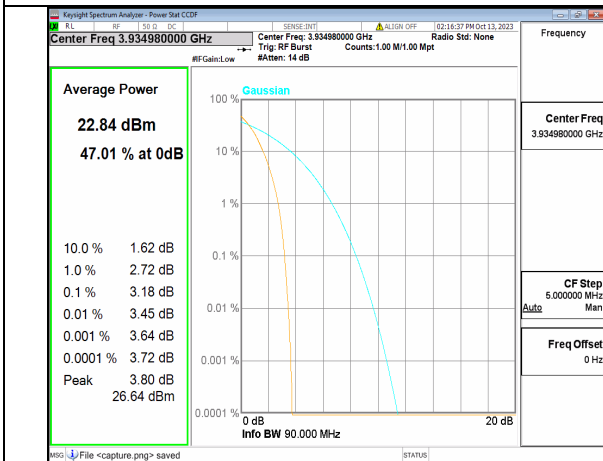
5A\_n77(3700-3980MHz) 90M DFT-s-OFDM 256QAM Outer\_Full Mid



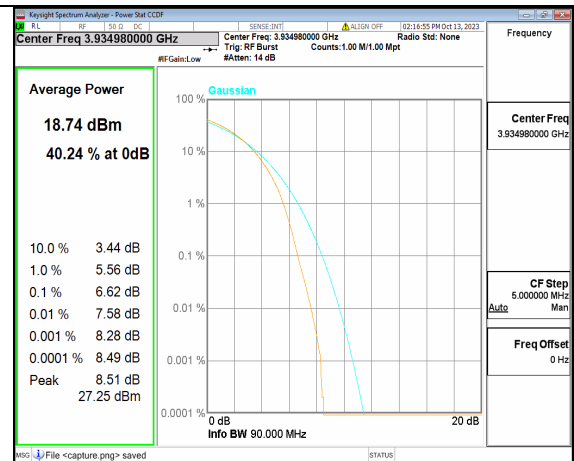
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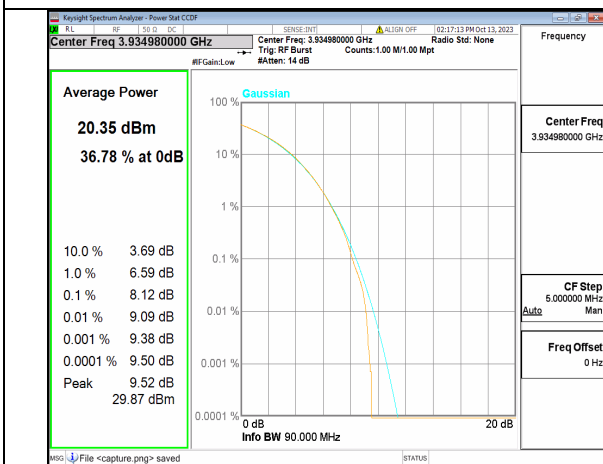
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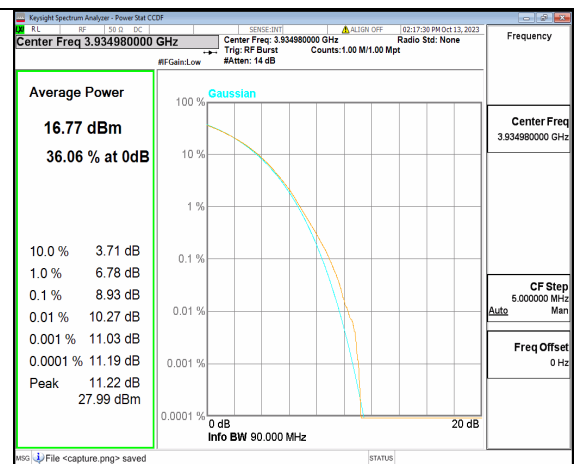
5A\_n77(3700-3980MHz) 90M DFT-s-OFDM BPSK Outer\_Full High



5A\_n77(3700-3980MHz) 90M DFT-s-OFDM 256QAM Outer\_Full High

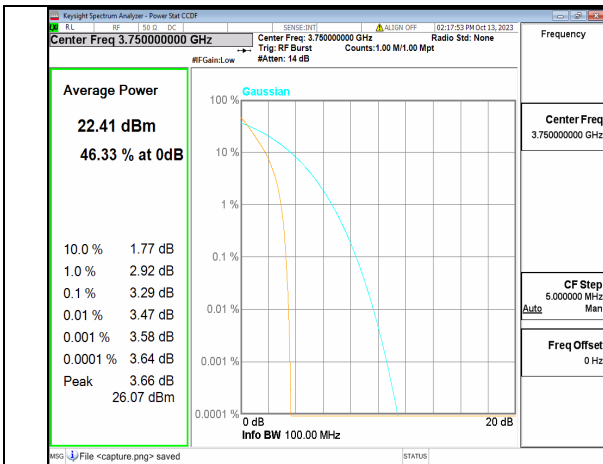


5A\_n77(3700-3980MHz) 90M CP-OFDM QPSK Outer\_Full High

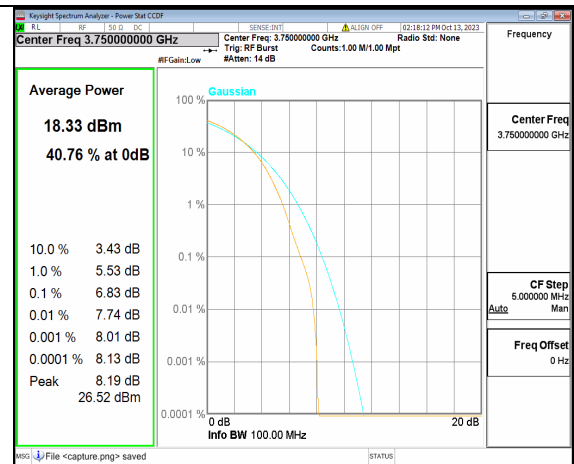


5A\_n77(3700-3980MHz) 90M CP-OFDM 256QAM Outer\_Full High

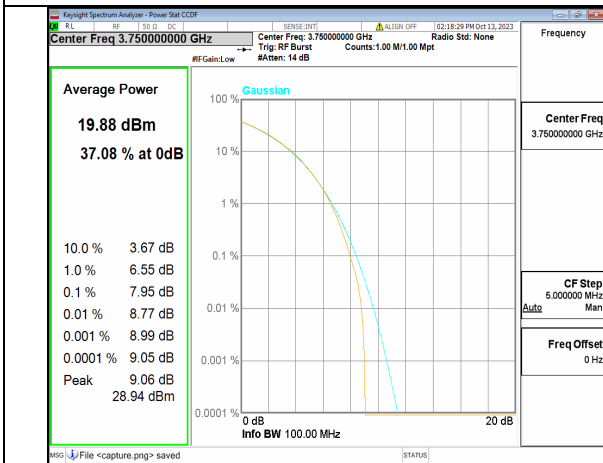




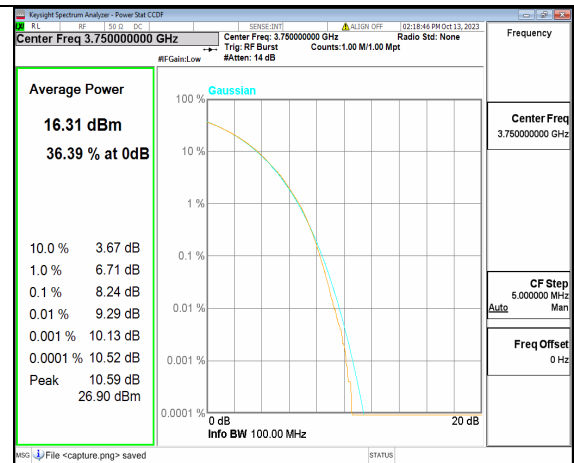
5A\_n77(3700-3980MHz) 100M DFT-s-OFDM BPSK Outer\_Full Low



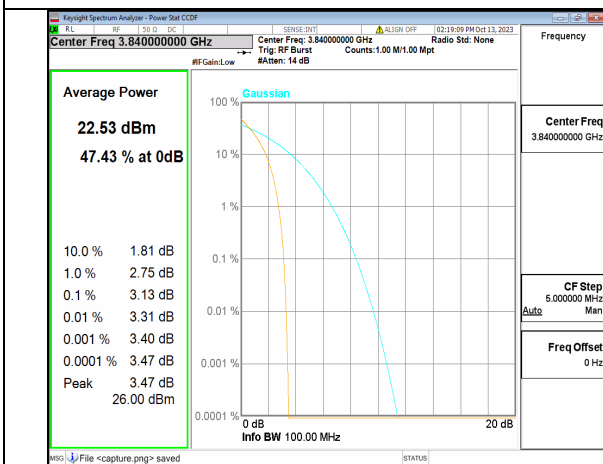
5A\_n77(3700-3980MHz) 100M DFT-s-OFDM 256QAM Outer\_Full Low



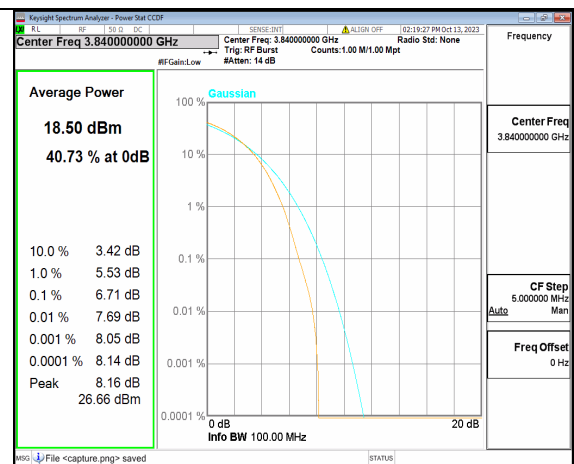
5A\_n77(3700-3980MHz) 100M CP-OFDM QPSK Outer\_Full Low



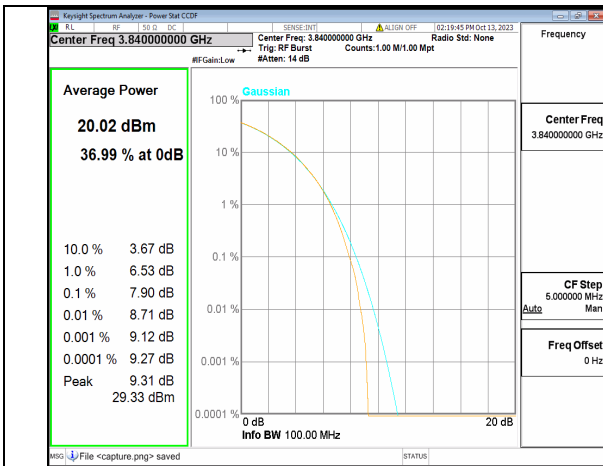
5A\_n77(3700-3980MHz) 100M CP-OFDM 256QAM Outer\_Full Low



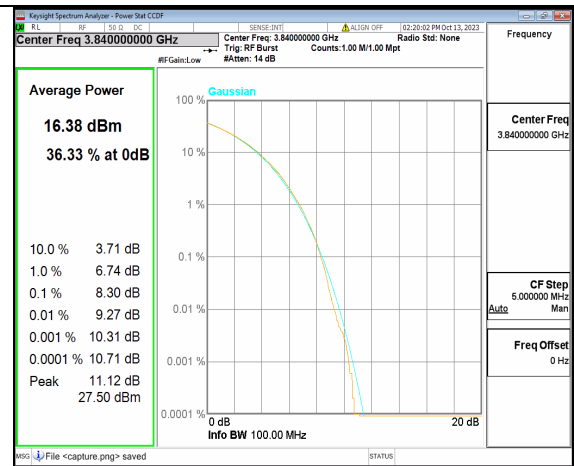
5A\_n77(3700-3980MHz) 100M DFT-s-OFDM BPSK Outer\_Full Mid



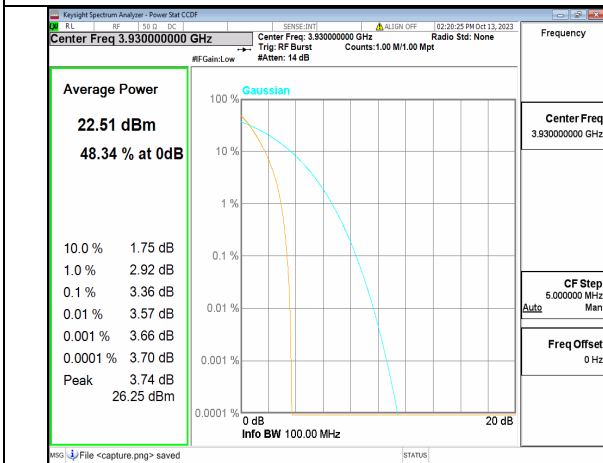
5A\_n77(3700-3980MHz) 100M DFT-s-OFDM 256QAM Outer\_Full Mid



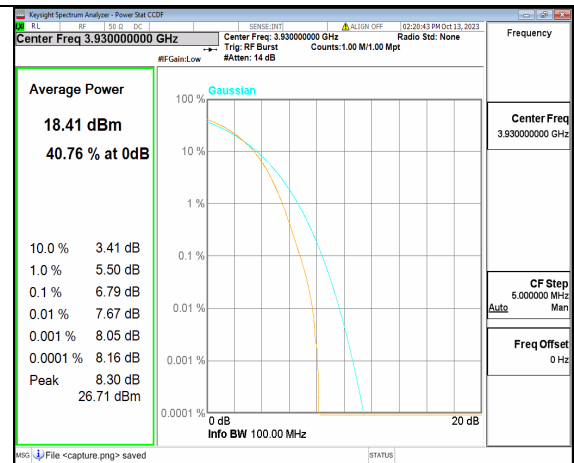
5A\_n77(3700-3980MHz) 100M CP-OFDM QPSK Outer\_Full Mid



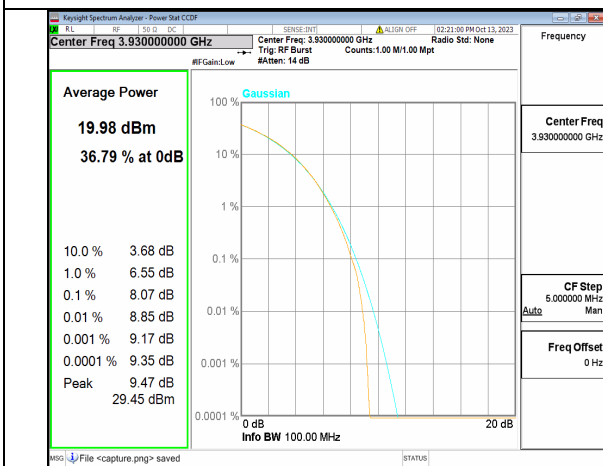
5A\_n77(3700-3980MHz) 100M CP-OFDM 256QAM Outer\_Full Mid



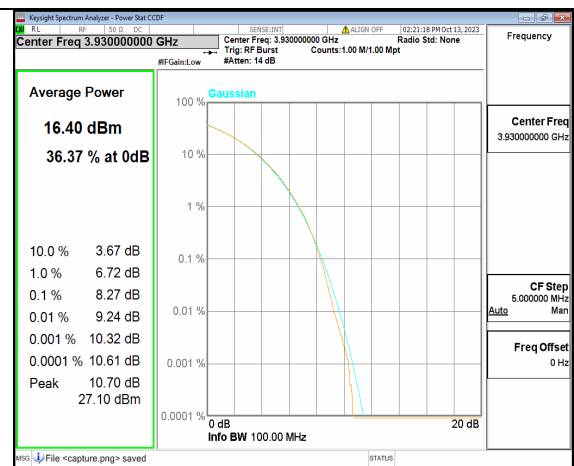
5A\_n77(3700-3980MHz) 100M DFT-s-OFDM BPSK Outer\_Full High



5A\_n77(3700-3980MHz) 100M DFT-s-OFDM 256QAM Outer\_Full High



5A\_n77(3700-3980MHz) 100M CP-OFDM QPSK Outer\_Full High



5A\_n77(3700-3980MHz) 100M 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, 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.

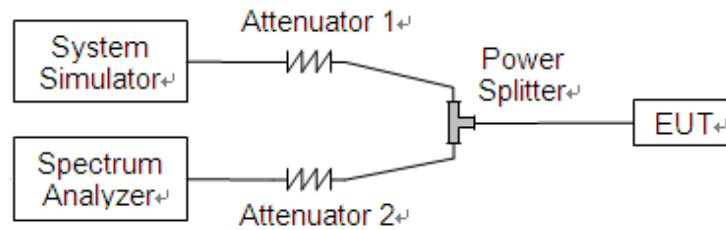
Additional to FCC section 22.917(a) for n5, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB. This calculated to be -13dBm.

According to FCC section 27.53(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, 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, 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

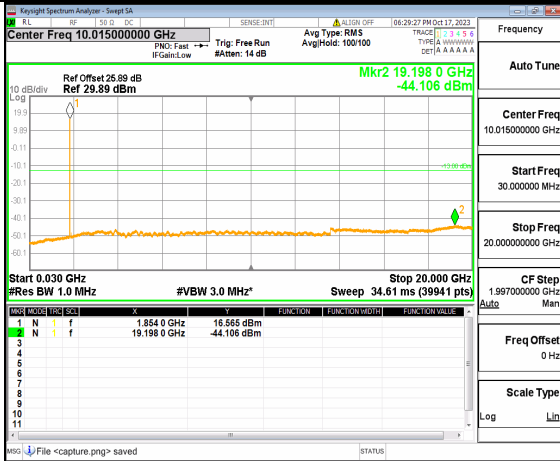


The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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

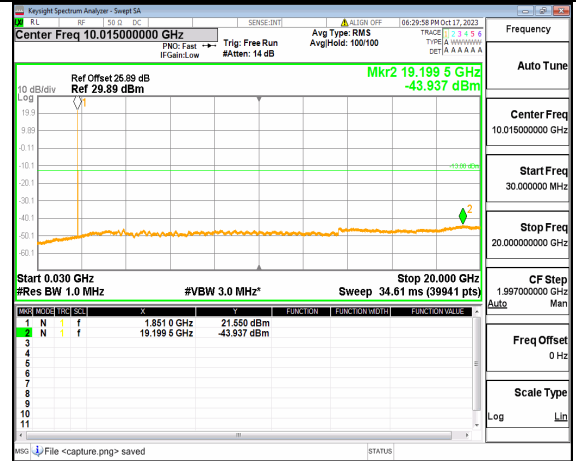
## 2.5.3. Test procedure

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

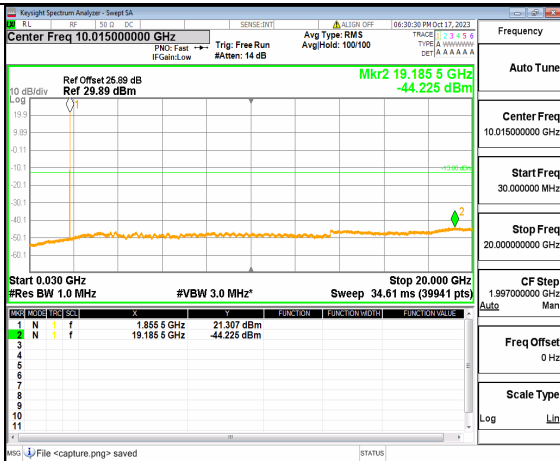
## 2.5.4. Test Result



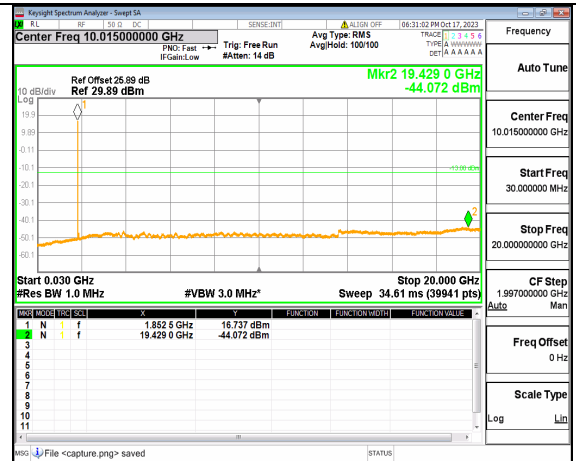
5A\_n2 (30MHz-20GHz) 5M DFT-s-OFDM BPSK  
Outer\_Full Low



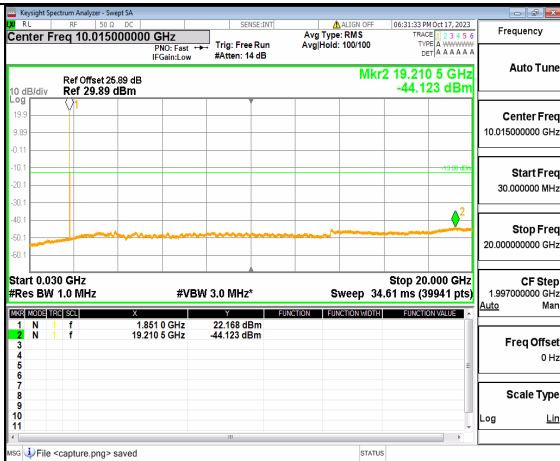
5A\_n2 (30MHz-20GHz) 5M DFT-s-OFDM BPSK  
Edge\_1RB\_Left Low



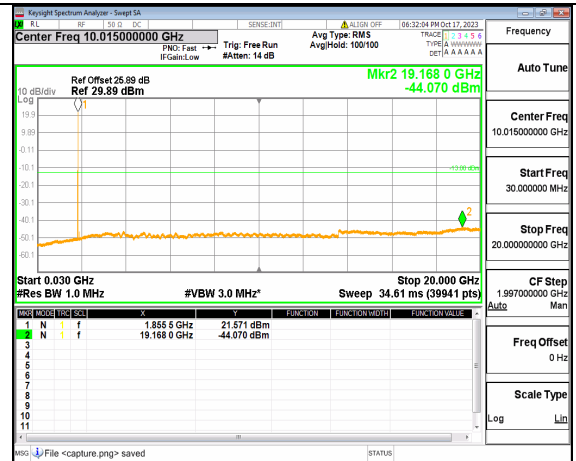
5A\_n2 (30MHz-20GHz) 5M DFT-s-OFDM BPSK  
Edge\_1RB\_Right Low



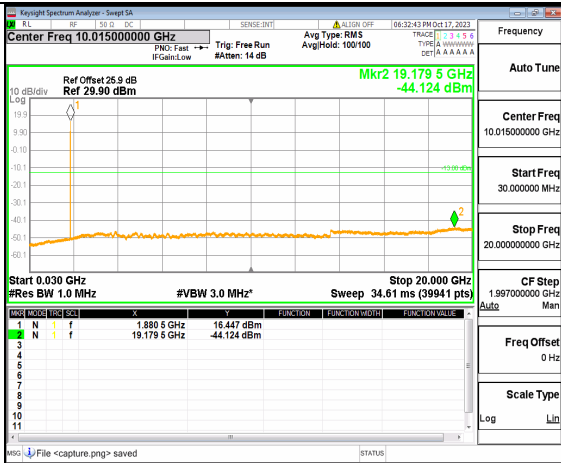
5A\_n2 (30MHz-20GHz) 5M DFT-s-OFDM QPSK  
Outer\_Full Low



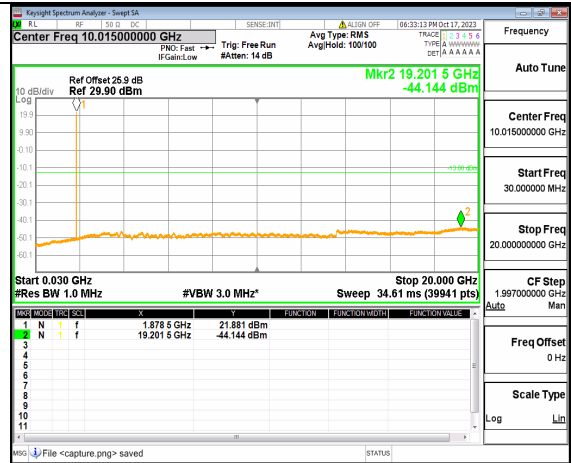
5A\_n2 (30MHz-20GHz) 5M DFT-s-OFDM QPSK  
Edge\_1RB\_Left Low



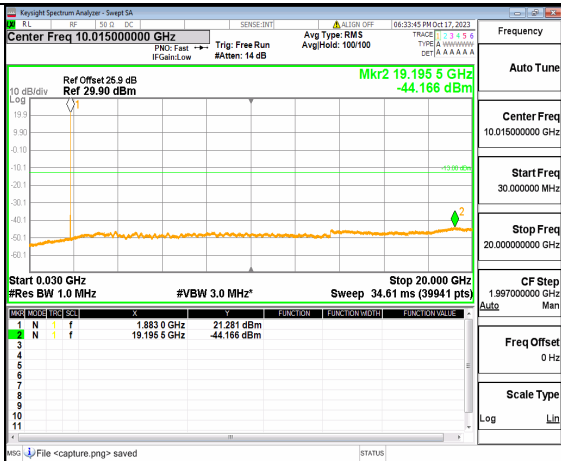
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Edge\_1RB\_Right Low



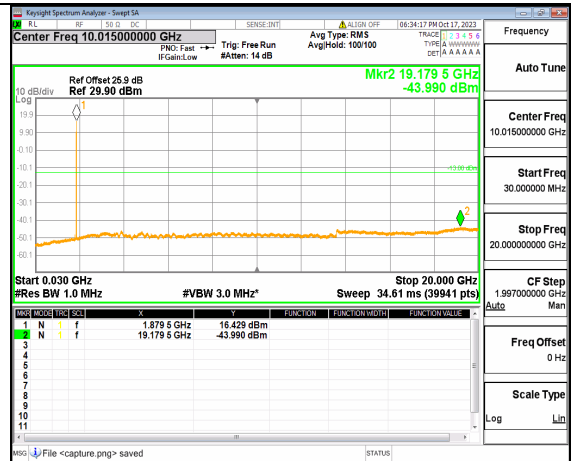
5A\_n2 (30MHz-20GHz) 5M DFT-s-OFDM BPSK  
Outer\_Full Mid



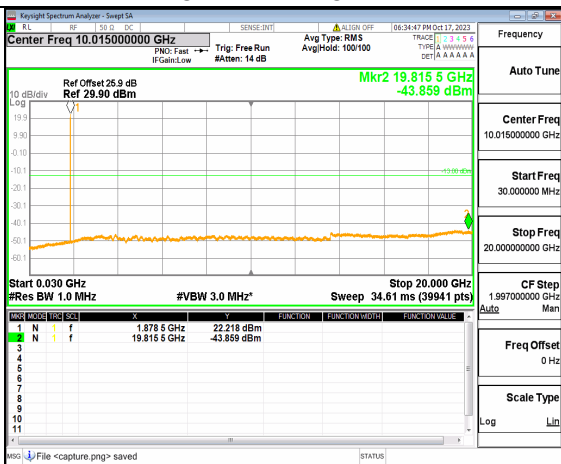
5A\_n2 (30MHz-20GHz) 5M DFT-s-OFDM BPSK  
Edge\_1RB\_Left Mid



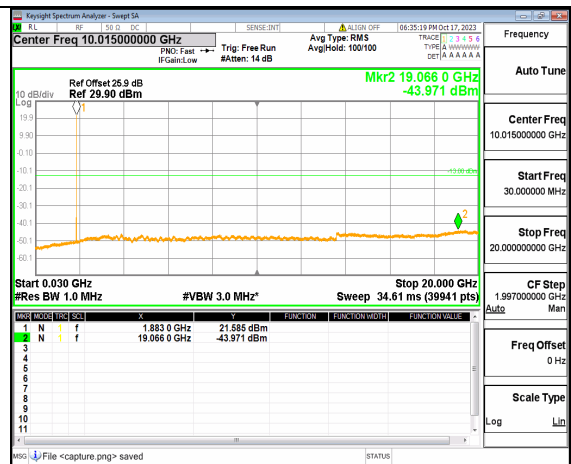
5A\_n2 (30MHz-20GHz) 5M DFT-s-OFDM BPSK  
Edge\_1RB\_Right Mid



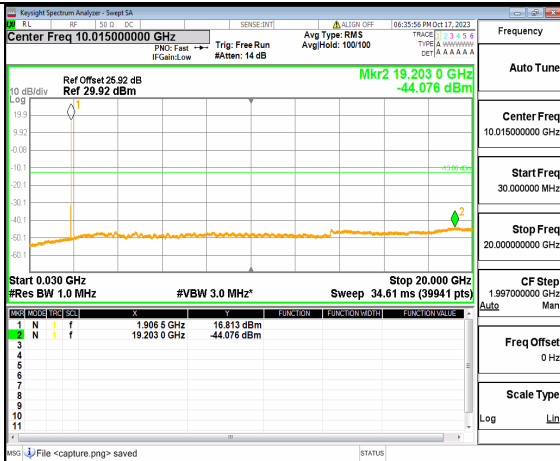
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Outer\_Full Mid



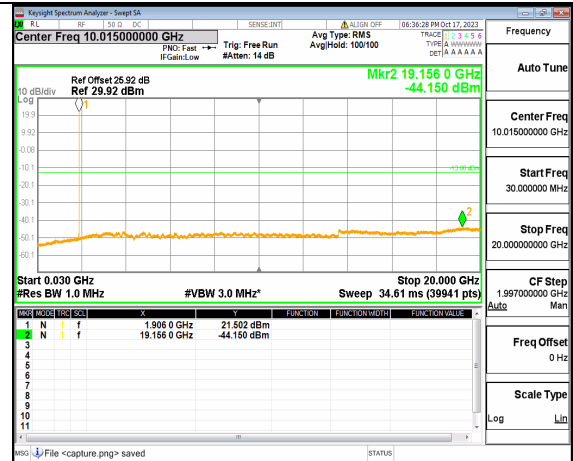
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Edge\_1RB\_Left Mid



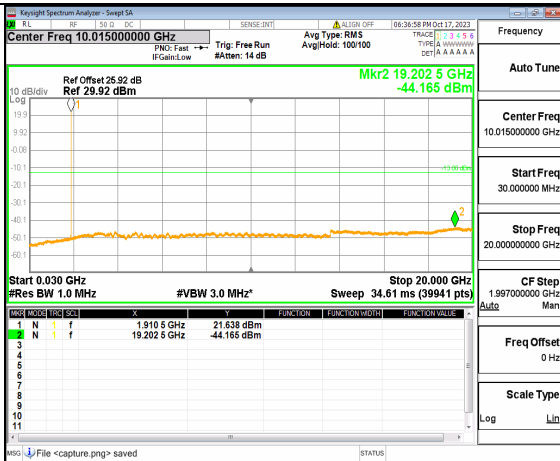
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Edge\_1RB\_Right Mid



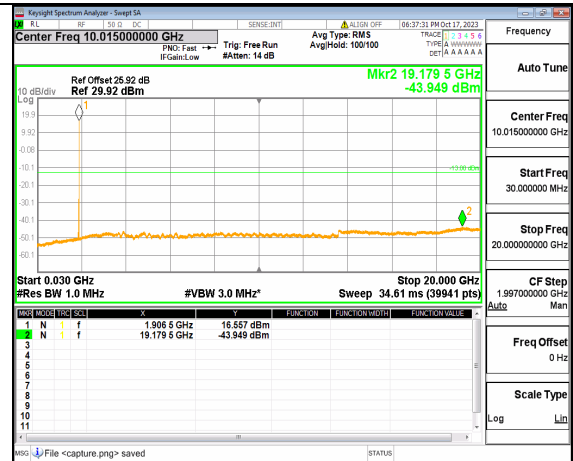
5A\_n2 (30MHz-20GHz) 5M DFT-s-OFDM BPSK  
Outer\_Full High



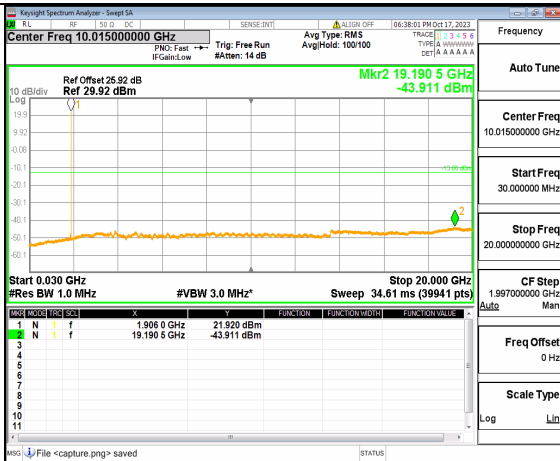
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Edge\_1RB\_Left High



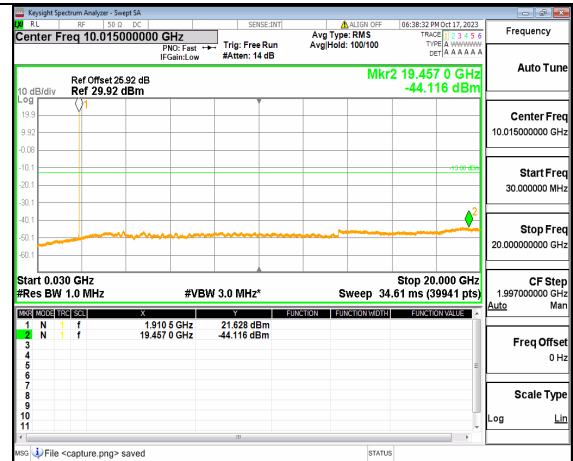
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Edge\_1RB\_Right High



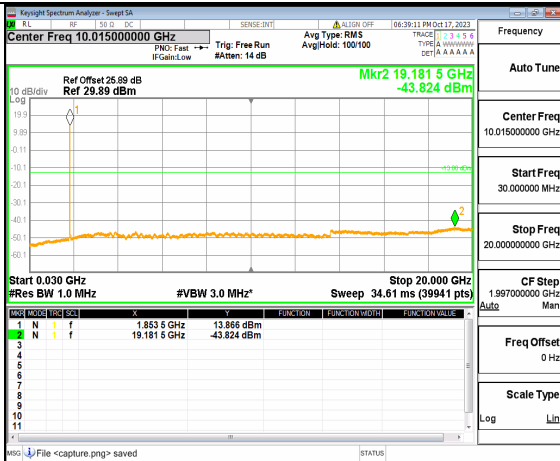
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Outer\_Full High



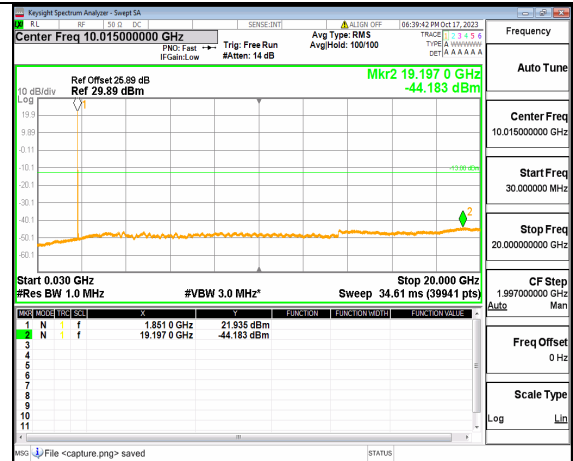
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Edge\_1RB\_Left High



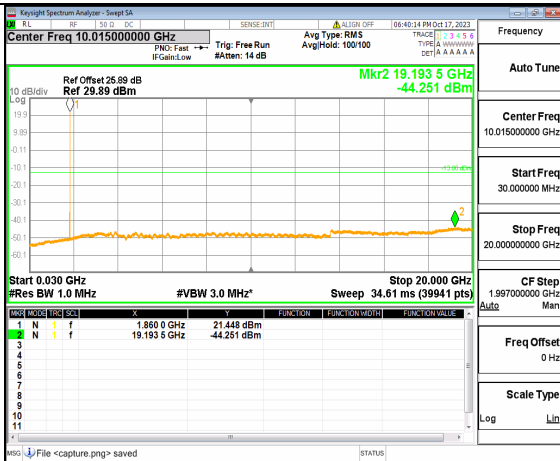
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Edge\_1RB\_Right High



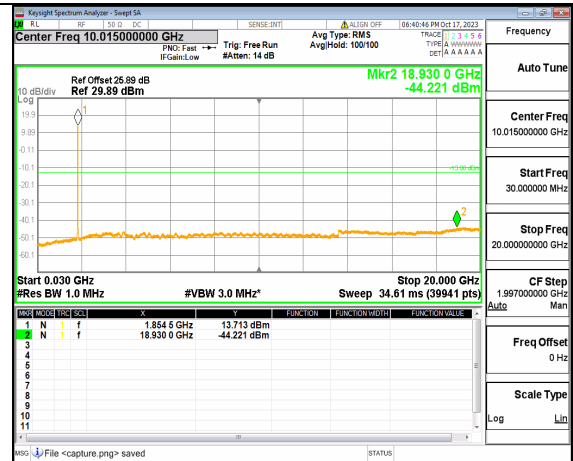
5A\_n2 (30MHz-20GHz) 10M DFT-s-OFDM BPSK Outer\_Full Low



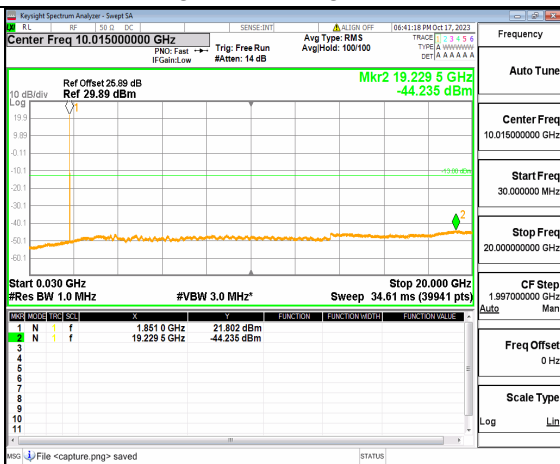
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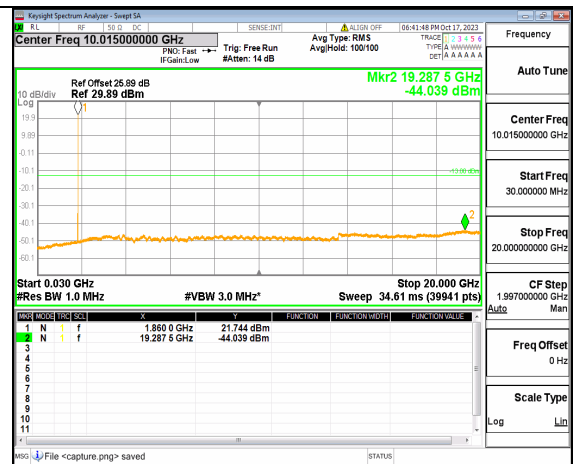
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5A\_n2 (30MHz-20GHz) 10M DFT-s-OFDM QPSK Outer\_Full Low

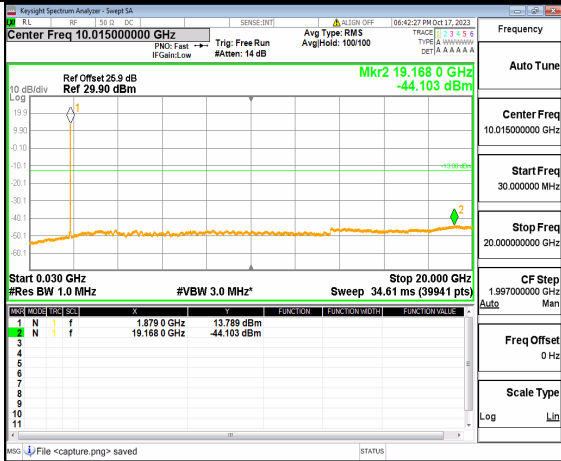


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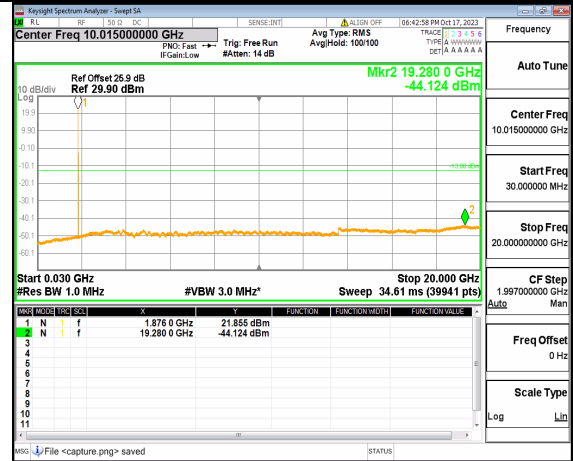


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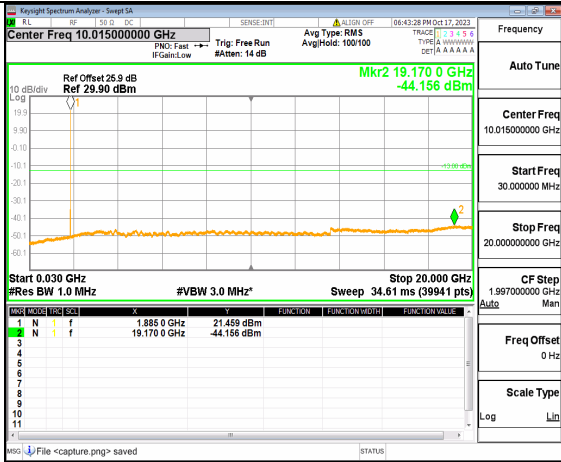




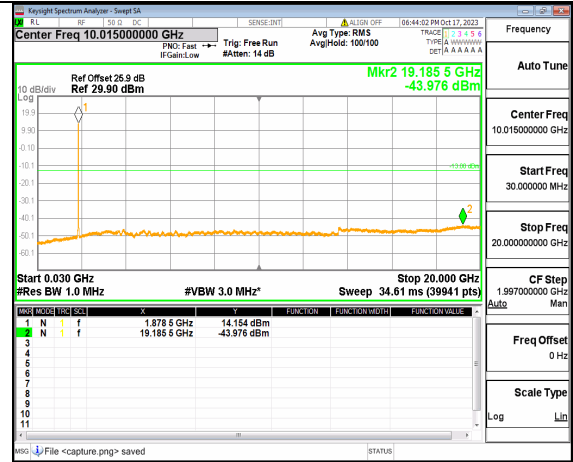
5A\_n2 (30MHz-20GHz) 10M DFT-s-OFDM BPSK  
Outer\_Full Mid



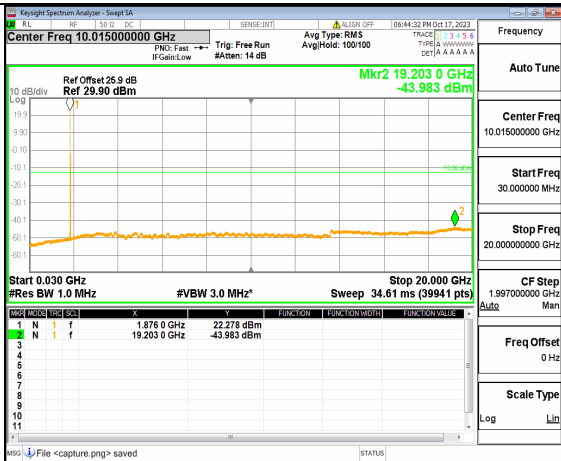
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Edge\_1RB\_Left Mid



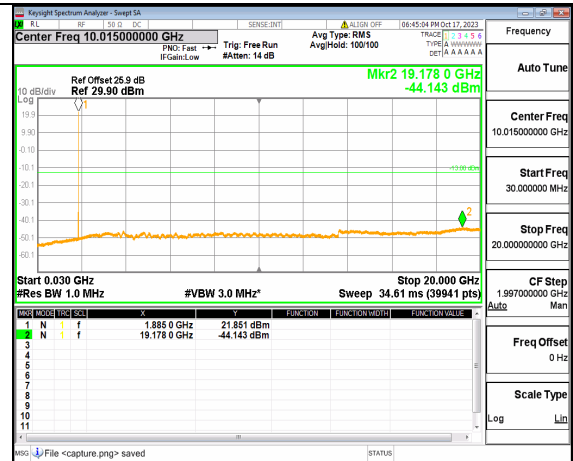
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Edge\_1RB\_Right Mid



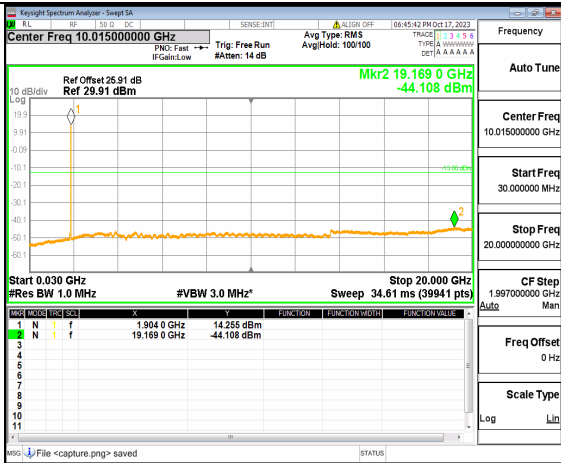
5A\_n2 (30MHz-20GHz) 10M DFT-s-OFDM  
QPSK Outer\_Full Mid



5A\_n2 (30MHz-20GHz) 10M DFT-s-OFDM QPSK  
Edge\_1RB\_Left Mid



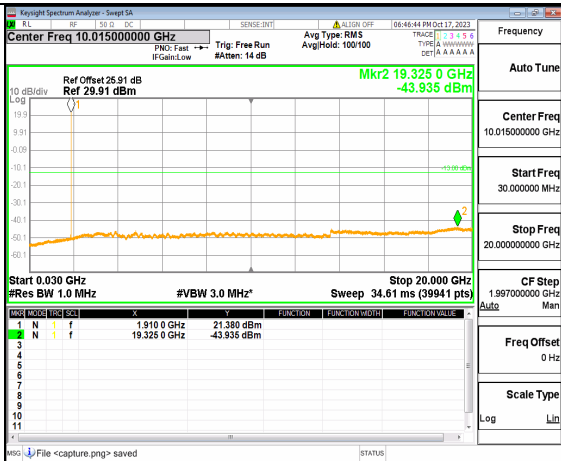
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QPSK Edge\_1RB\_Right Mid



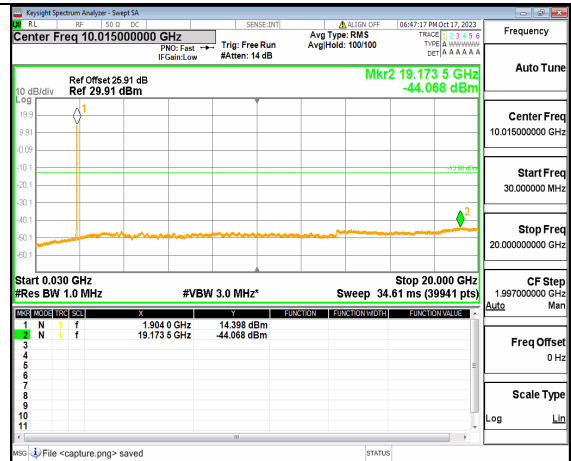
5A\_n2 (30MHz-20GHz) 10M DFT-s-OFDM BPSK Outer\_Full High



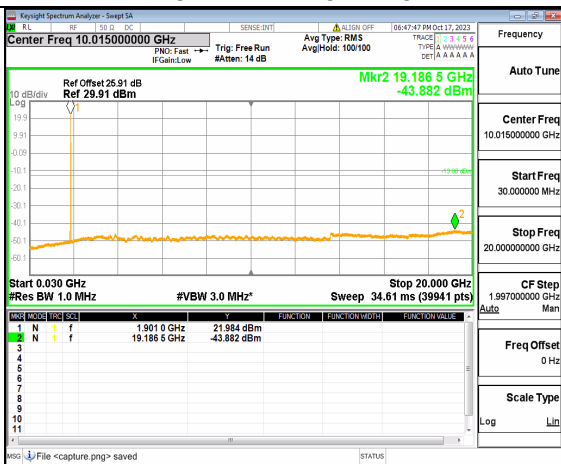
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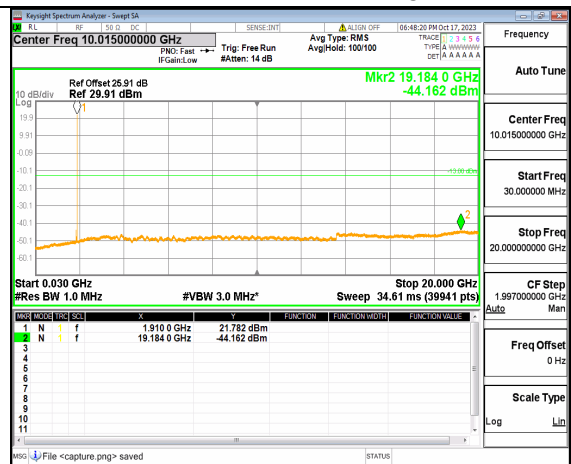
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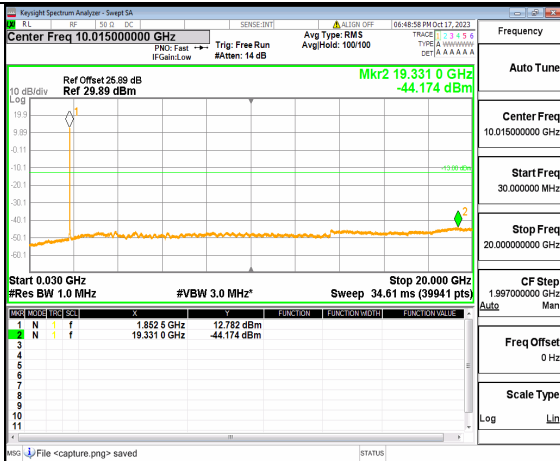
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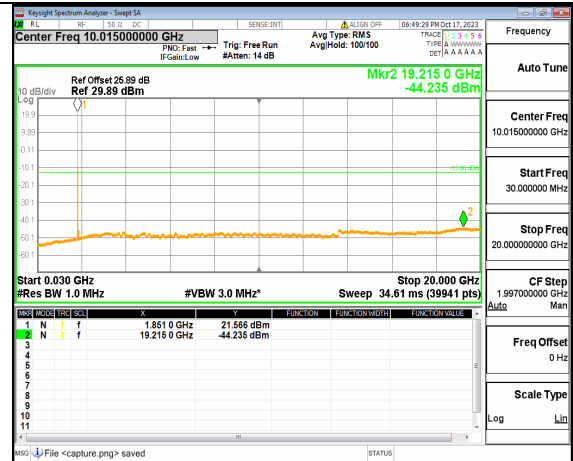
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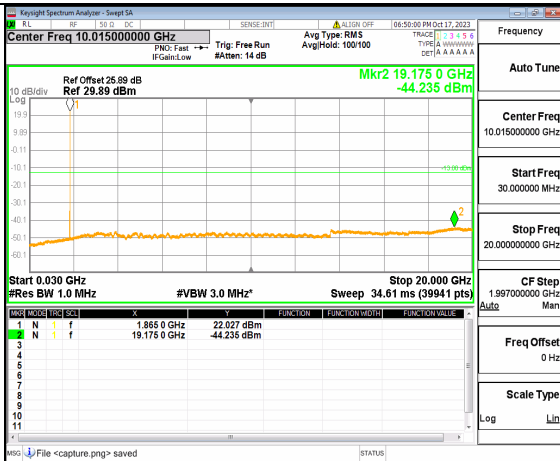
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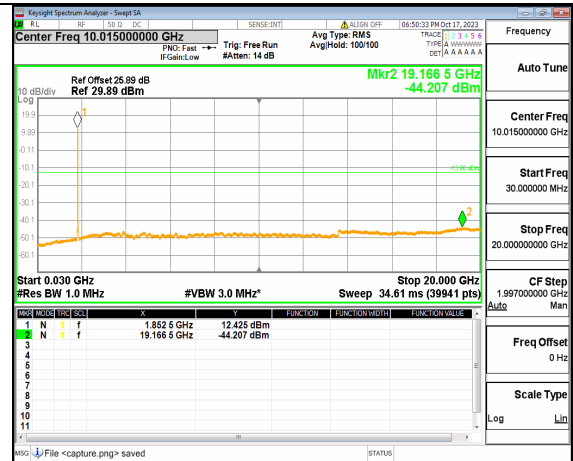
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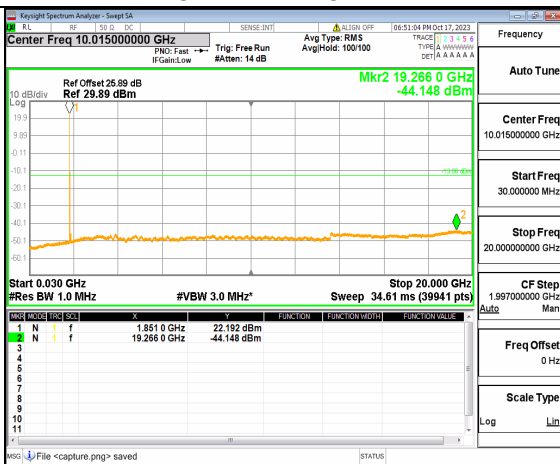
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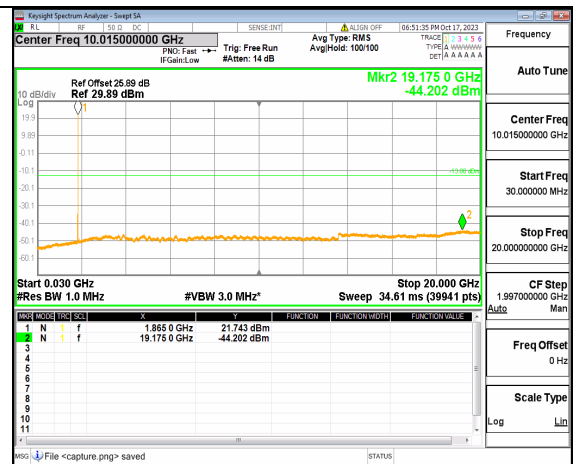
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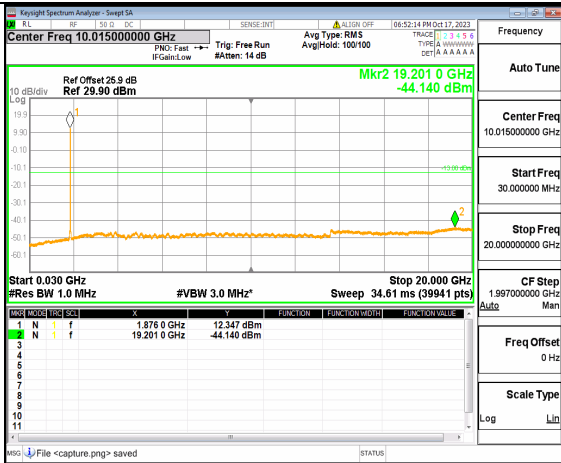
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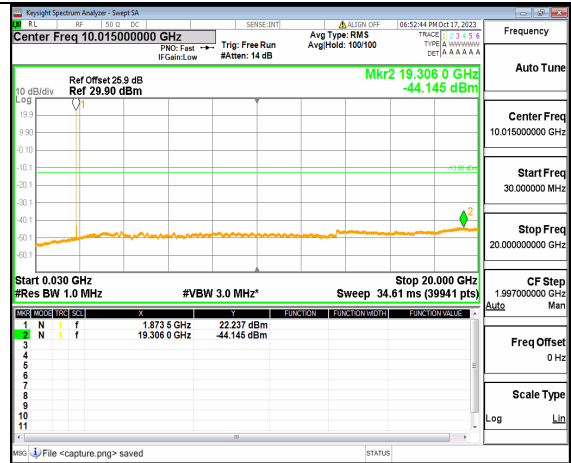
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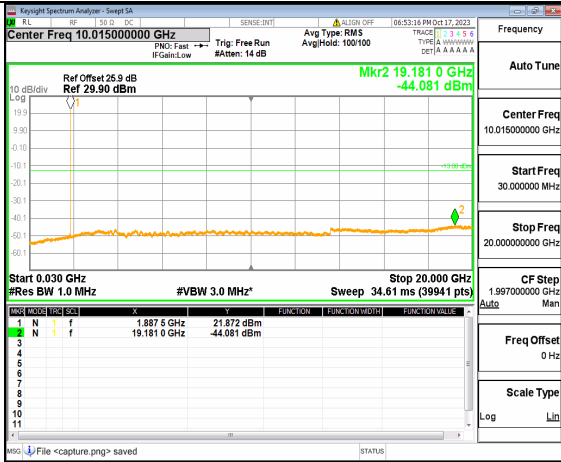
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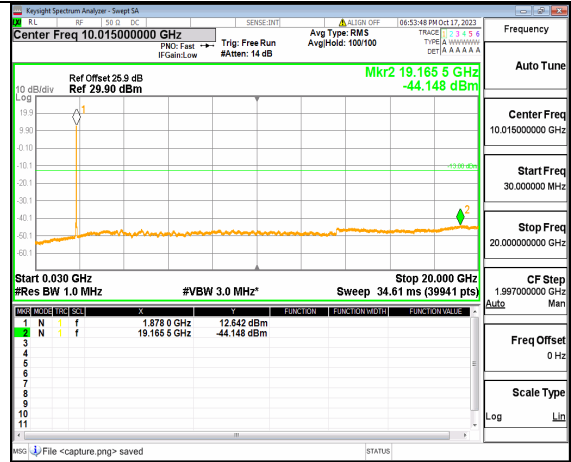
5A\_n2 (30MHz-20GHz) 15M DFT-s-OFDM BPSK Outer\_Full Mid



5A\_n2 (30MHz-20GHz) 15M DFT-s-OFDM BPSK Edge\_1RB\_Left Mid



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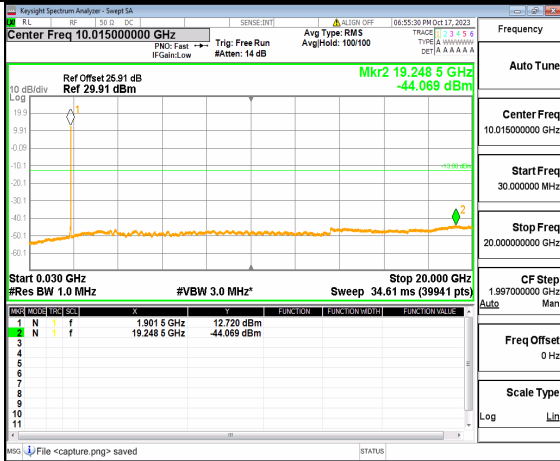
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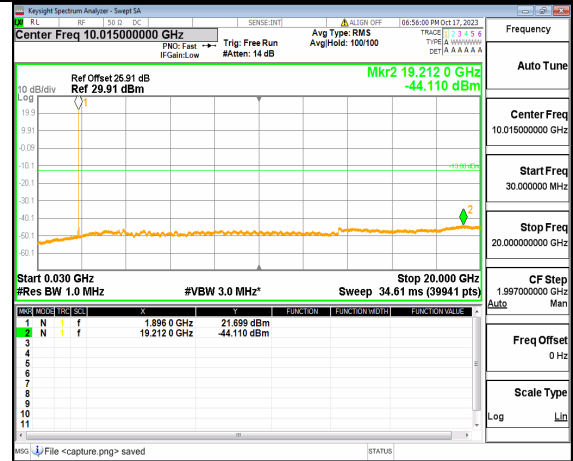
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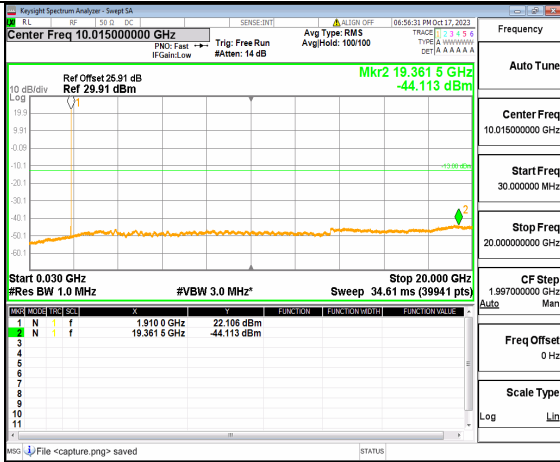
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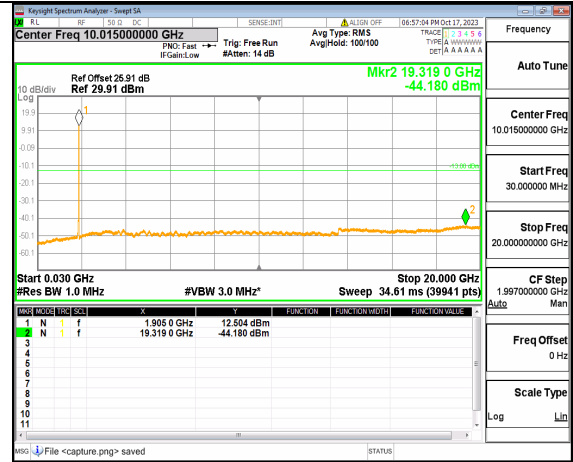
5A\_n2 (30MHz-20GHz) 15M DFT-s-OFDM BPSK  
Outer\_Full High



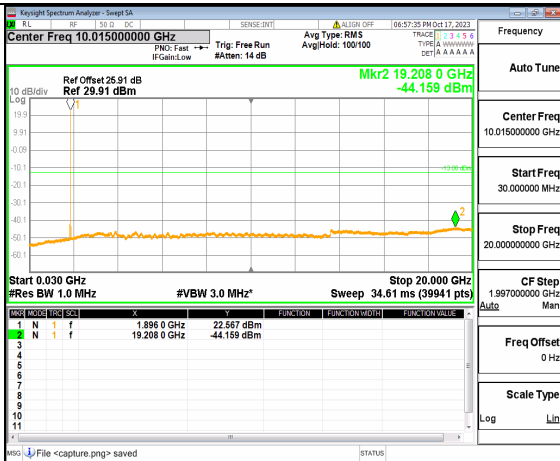
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Edge\_1RB\_Left High



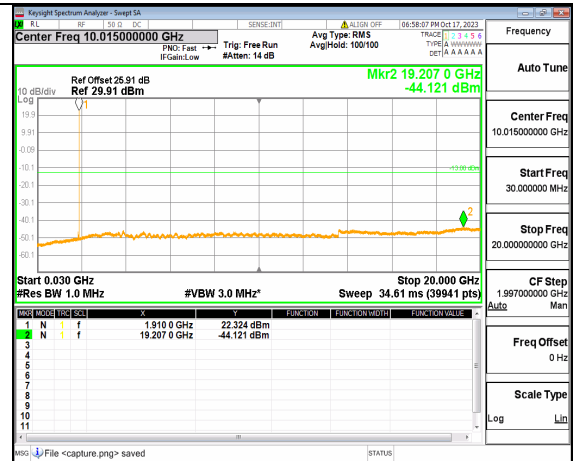
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Edge\_1RB\_Right High



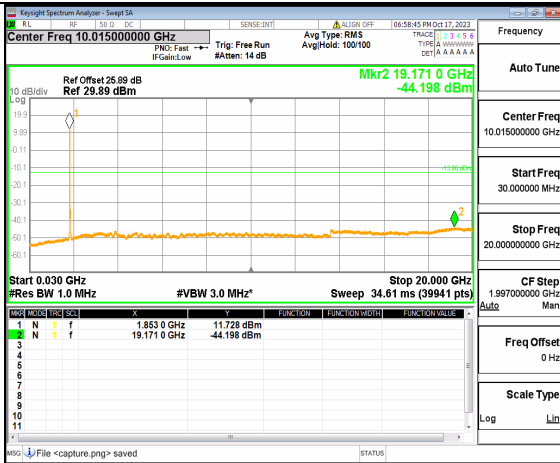
5A\_n2 (30MHz-20GHz) 15M DFT-s-OFDM  
QPSK Outer\_Full High



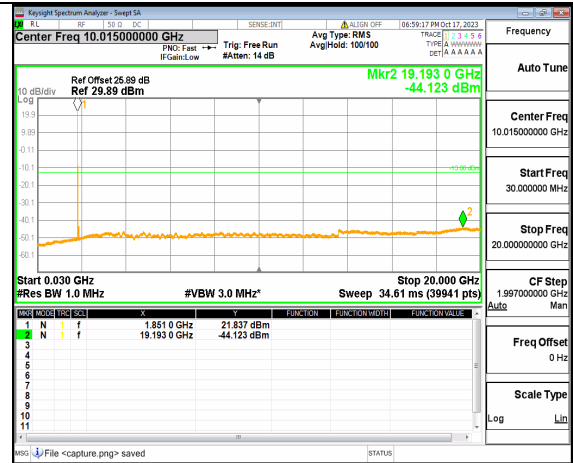
5A\_n2 (30MHz-20GHz) 15M DFT-s-OFDM QPSK  
Edge\_1RB\_Left High



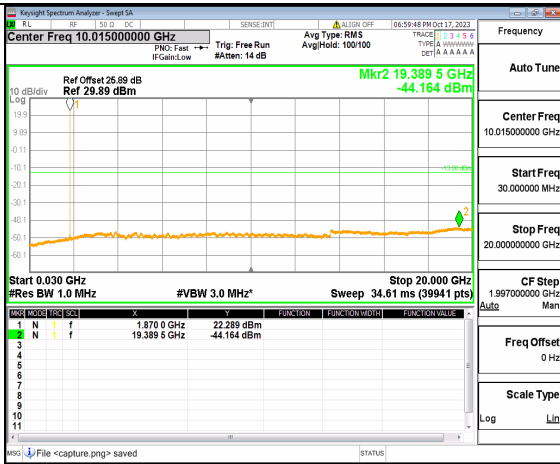
5A\_n2 (30MHz-20GHz) 15M DFT-s-OFDM  
QPSK Edge\_1RB\_Right High



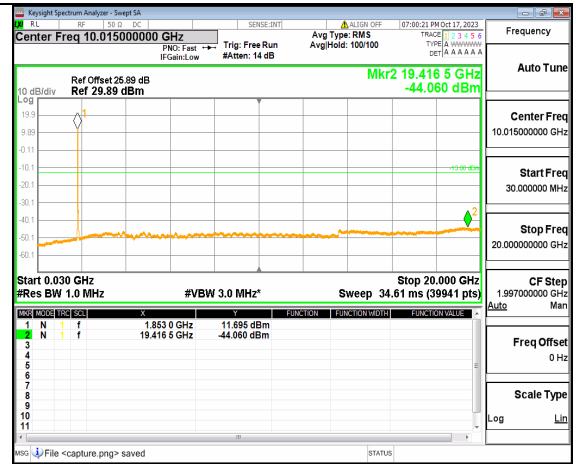
5A\_n2 (30MHz-20GHz) 20M DFT-s-OFDM BPSK Outer\_Full Low



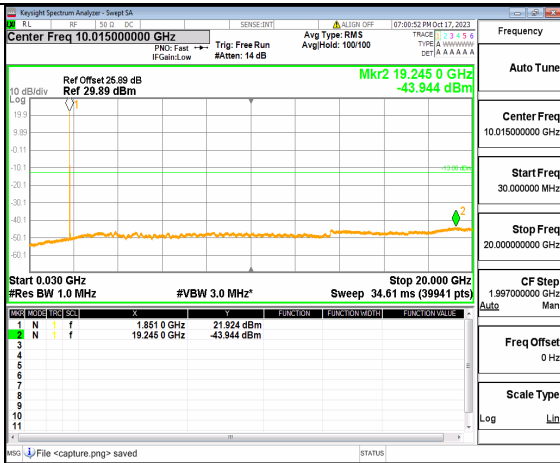
5A\_n2 (30MHz-20GHz) 20M DFT-s-OFDM BPSK Edge\_1RB\_Left Low



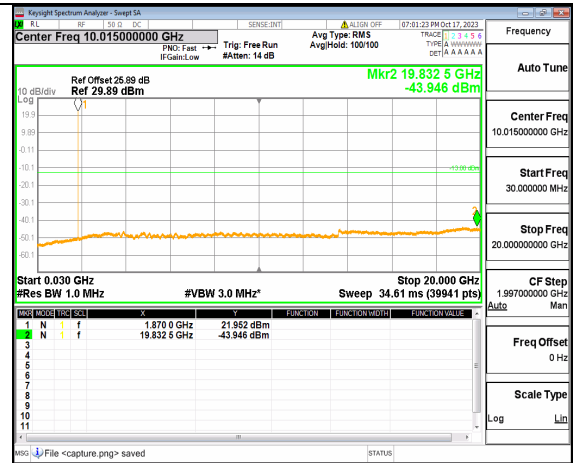
5A\_n2 (30MHz-20GHz) 20M DFT-s-OFDM BPSK Edge\_1RB\_Right Low



5A\_n2 (30MHz-20GHz) 20M DFT-s-OFDM QPSK Outer\_Full Low

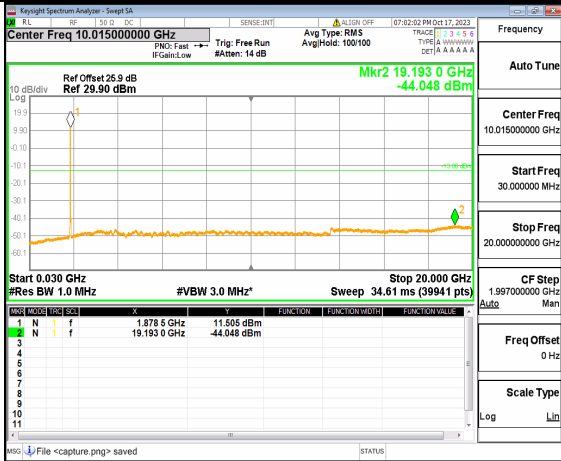


5A\_n2 (30MHz-20GHz) 20M DFT-s-OFDM QPSK Edge\_1RB\_Left Low

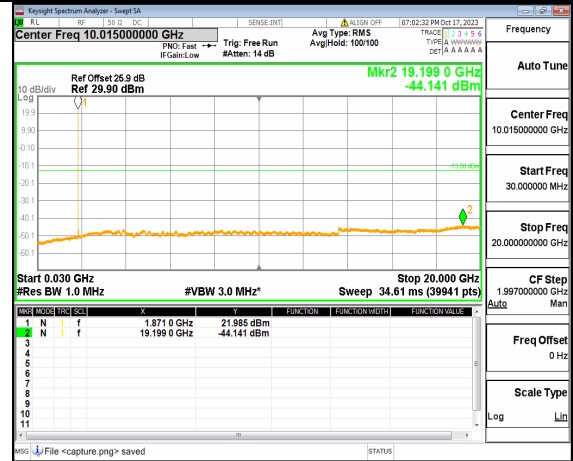


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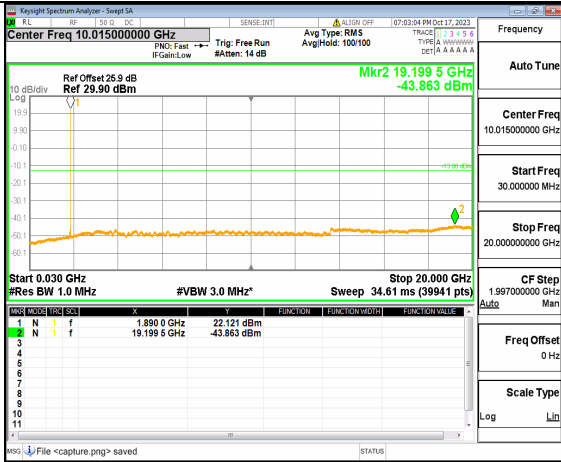




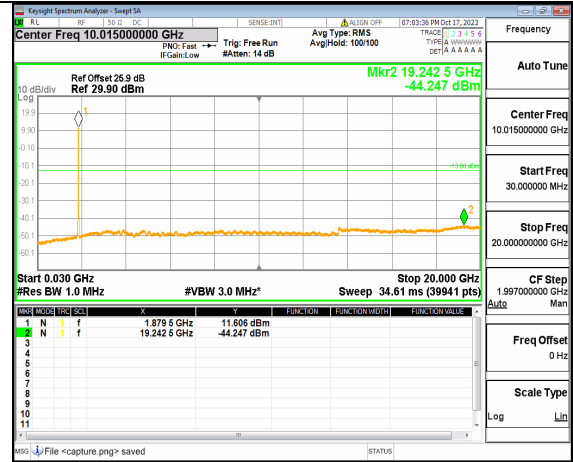
5A\_n2 (30MHz-20GHz) 20M DFT-s-OFDM BPSK  
Outer\_Full Mid



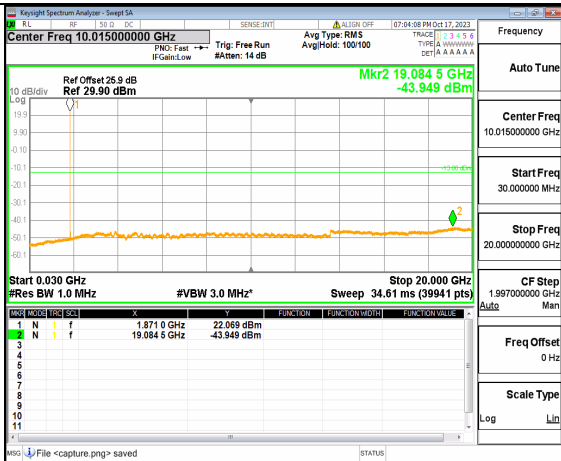
5A\_n2 (30MHz-20GHz) 20M DFT-s-OFDM BPSK  
Edge\_1RB\_Left Mid



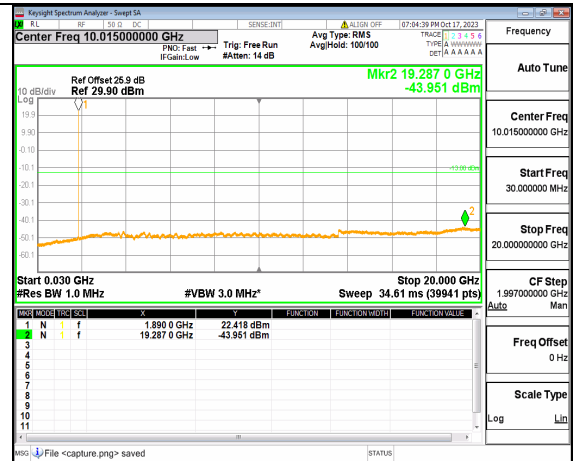
5A\_n2 (30MHz-20GHz) 20M DFT-s-OFDM BPSK  
Edge\_1RB\_Right Mid



5A\_n2 (30MHz-20GHz) 20M DFT-s-OFDM  
QPSK Outer\_Full Mid



5A\_n2 (30MHz-20GHz) 20M DFT-s-OFDM QPSK  
Edge\_1RB\_Left Mid



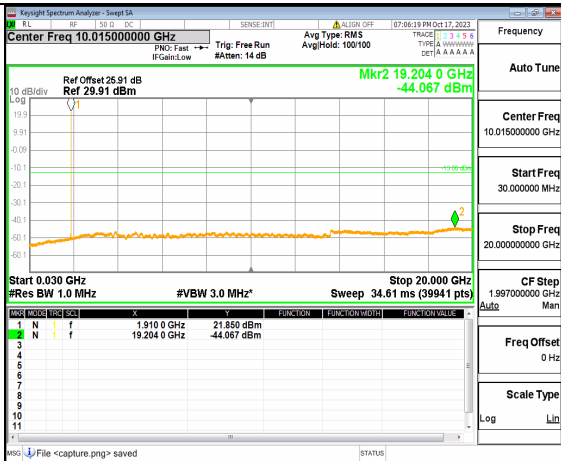
5A\_n2 (30MHz-20GHz) 20M DFT-s-OFDM  
QPSK Edge\_1RB\_Right Mid



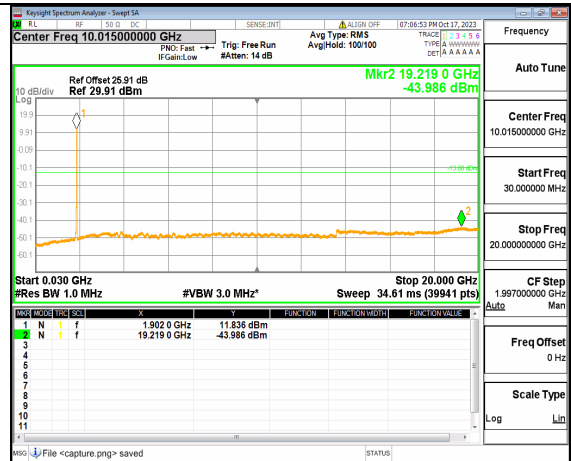
5A\_n2 (30MHz-20GHz) 20M DFT-s-OFDM BPSK Outer\_Full High



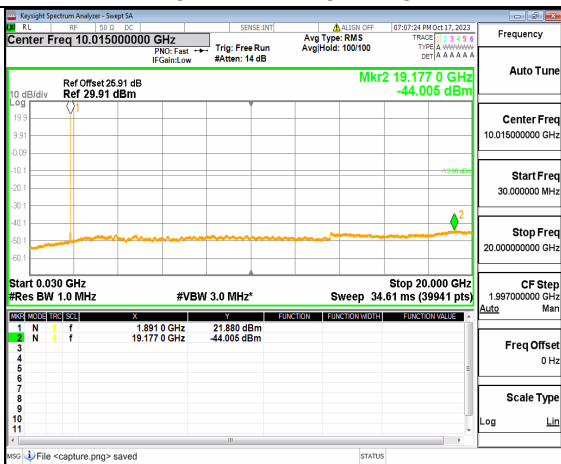
5A\_n2 (30MHz-20GHz) 20M DFT-s-OFDM BPSK Edge\_1RB\_Left High



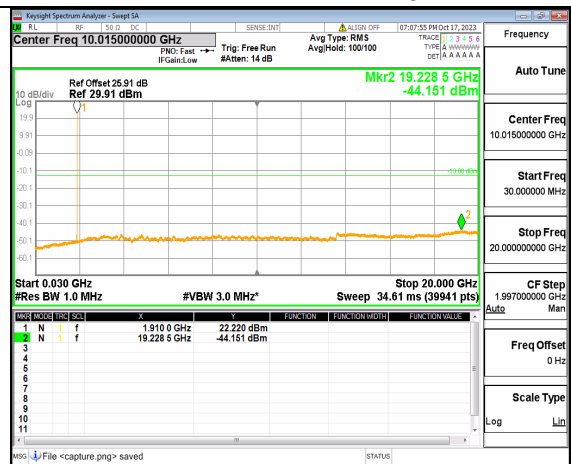
5A\_n2 (30MHz-20GHz) 20M DFT-s-OFDM BPSK Edge\_1RB\_Right High



5A\_n2 (30MHz-20GHz) 20M DFT-s-OFDM QPSK Outer\_Full High



5A\_n2 (30MHz-20GHz) 20M DFT-s-OFDM QPSK Edge\_1RB\_Left High



5A\_n2 (30MHz-20GHz) 20M DFT-s-OFDM QPSK Edge\_1RB\_Right High