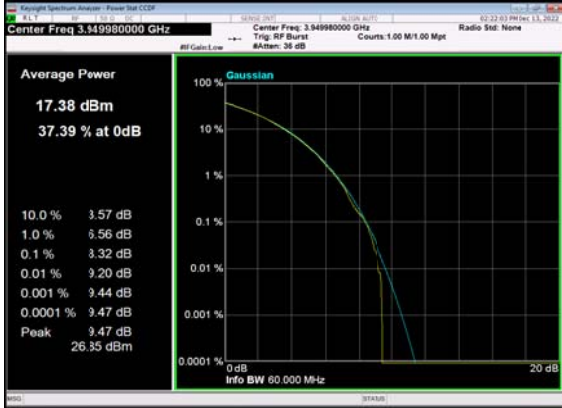
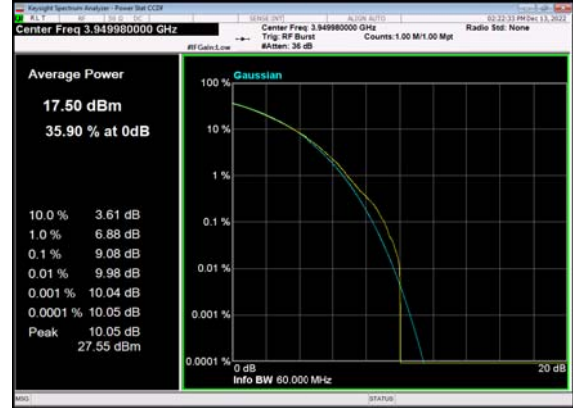




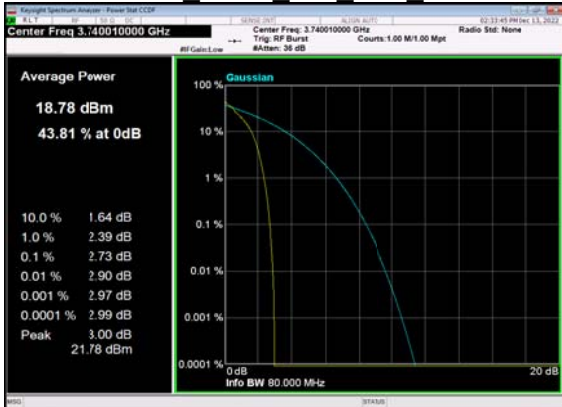
N77(60M)\_CP-OFDM QPSK Outer Full High CH



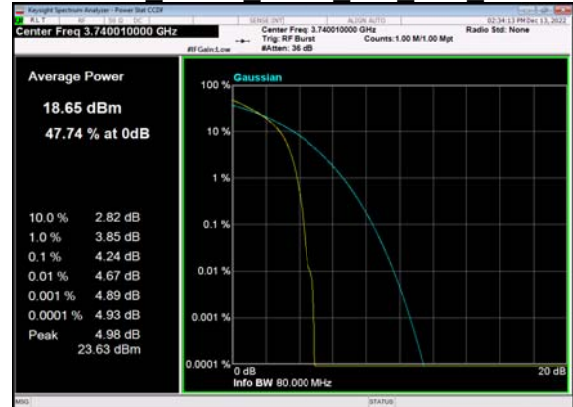
N77(60M)\_CP-OFDM\_16 QAM Outer Full High CH



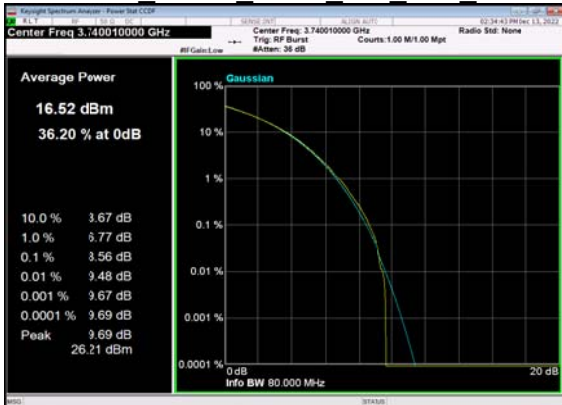
N77(80M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full Low CH



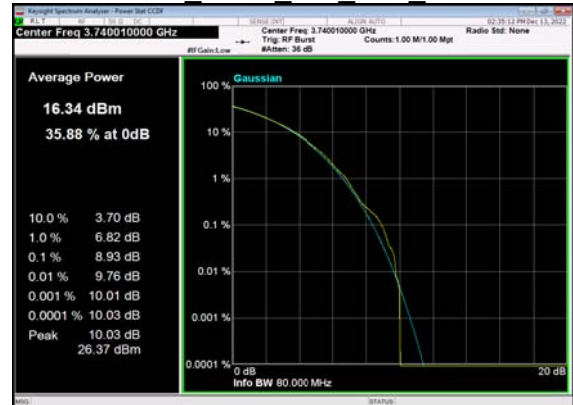
N77(80M)\_DFT-s-OFDM QPSK Outer Full Low CH



N77(80M)\_CP-OFDM QPSK Outer Full Low CH

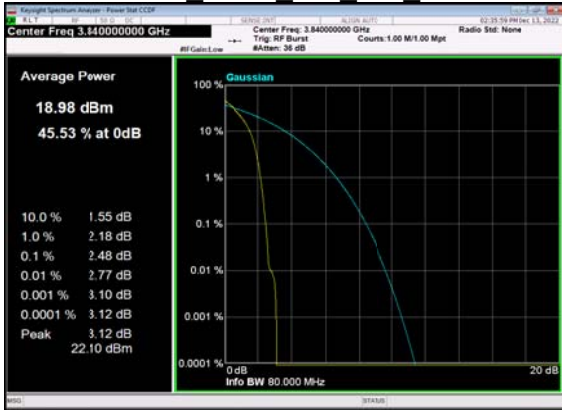


N77(80M)\_CP-OFDM\_16 QAM Outer Full Low CH

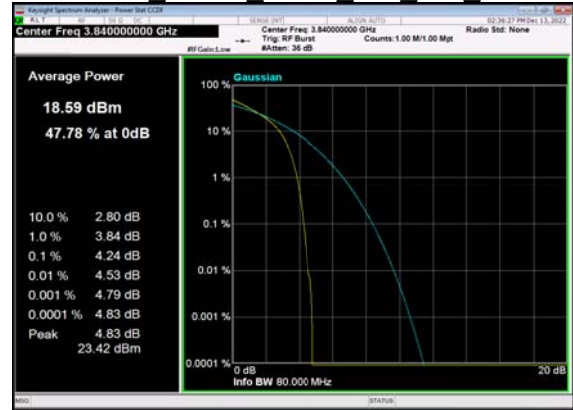




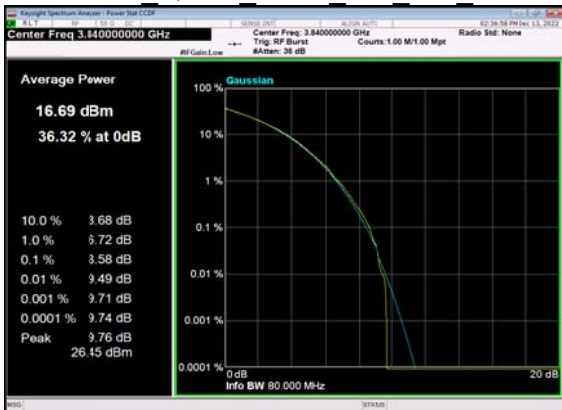
### N77(80M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full Mid CH



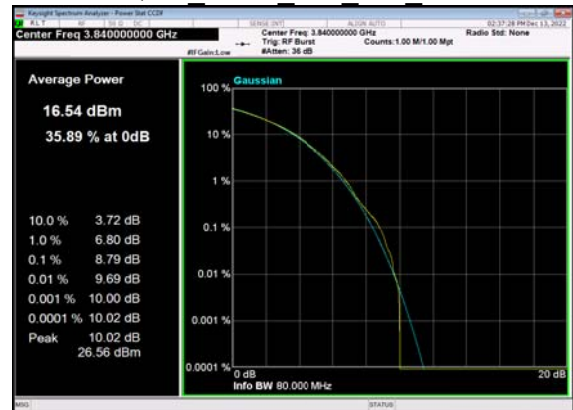
### N77(80M)\_DFT-s-OFDM QPSK Outer Full Mid CH



### N77(80M)\_CP-OFDM QPSK Outer Full Mid CH



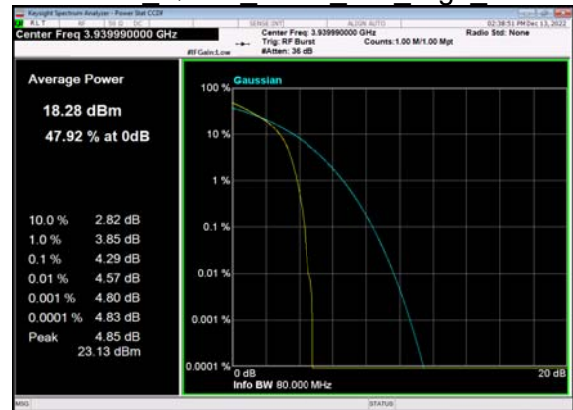
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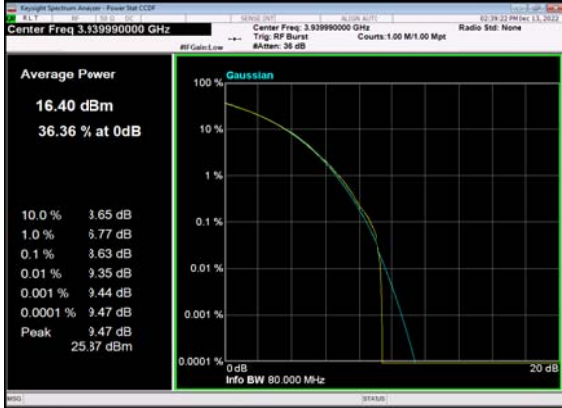
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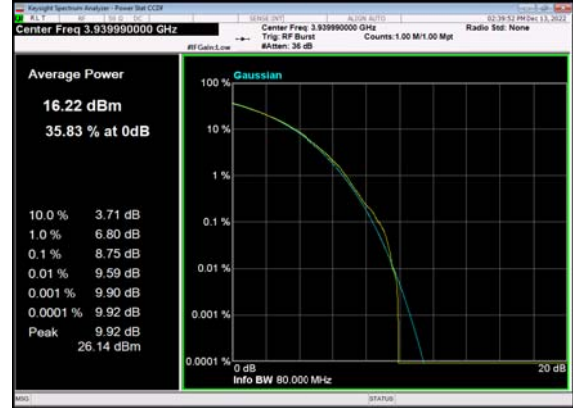
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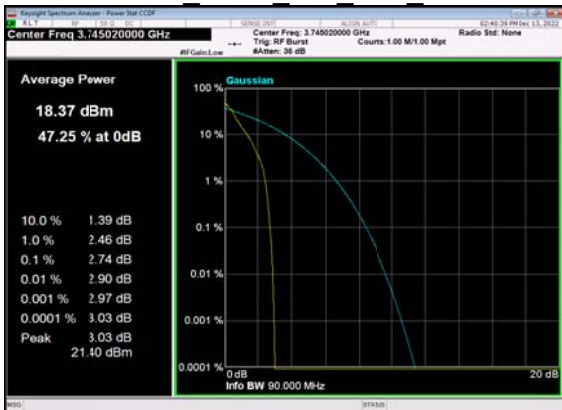
N77(80M)\_CP-OFDM QPSK Outer Full High CH



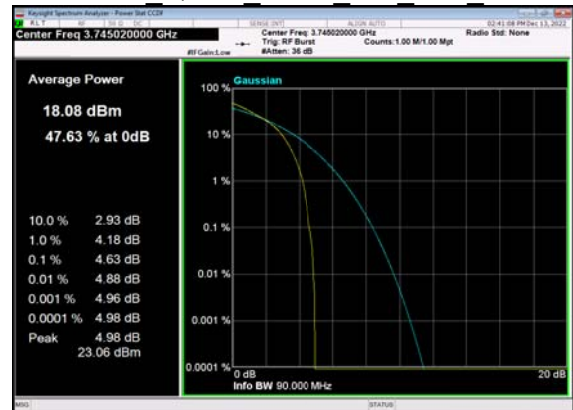
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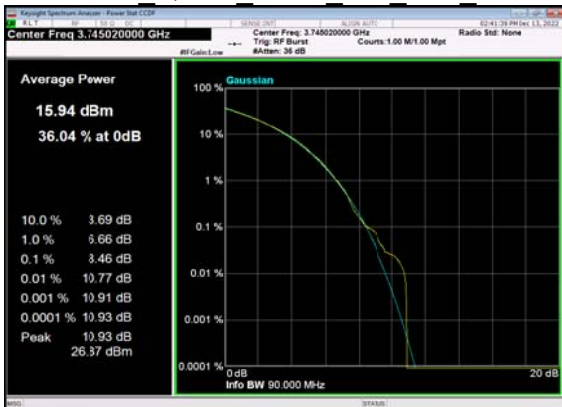
N77(90M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full Low CH



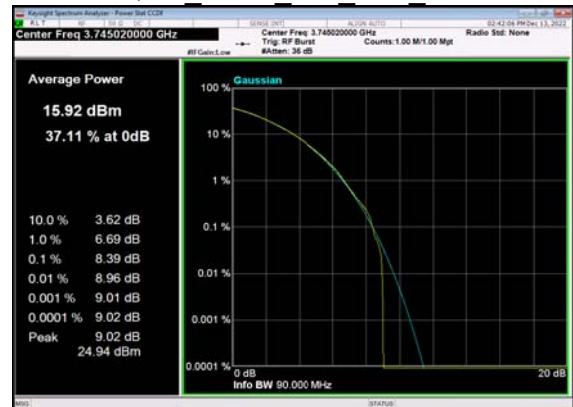
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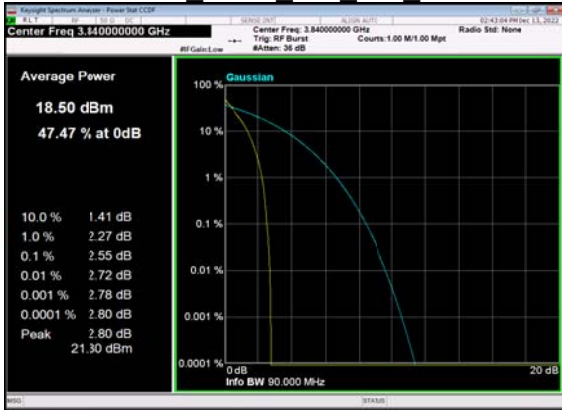
N77(90M)\_CP-OFDM QPSK Outer Full Low CH



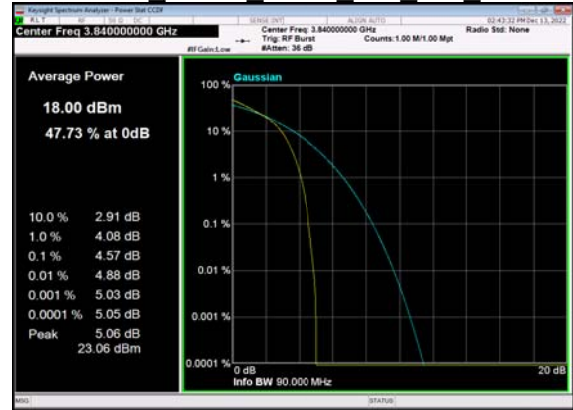
N77(90M)\_CP-OFDM\_16 QAM Outer Full Low CH



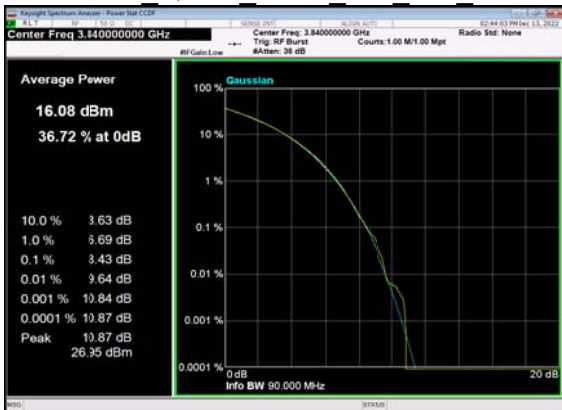
N77(90M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full Mid CH



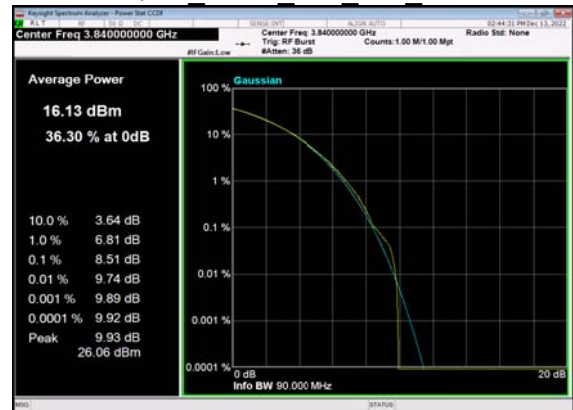
N77(90M)\_DFT-s-OFDM QPSK Outer Full Mid CH



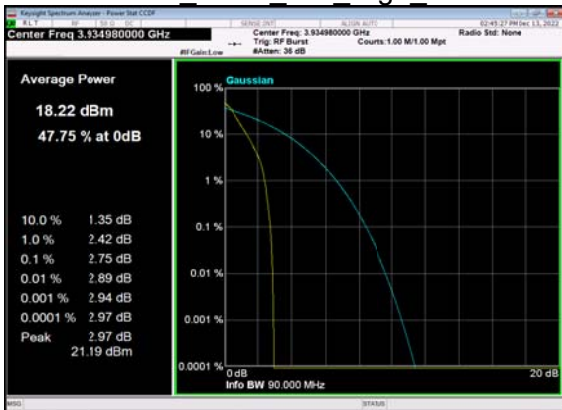
N77(90M)\_CP-OFDM QPSK Outer Full Mid CH



N77(90M)\_CP-OFDM\_16 QAM Outer Full Mid CH



N77(90M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full High CH

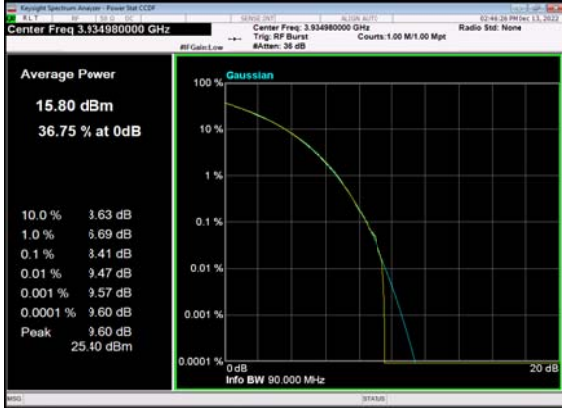


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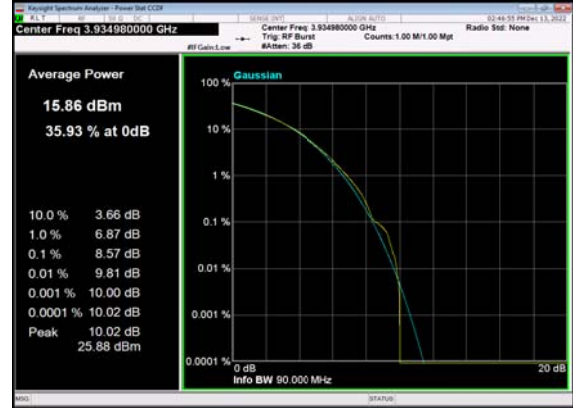




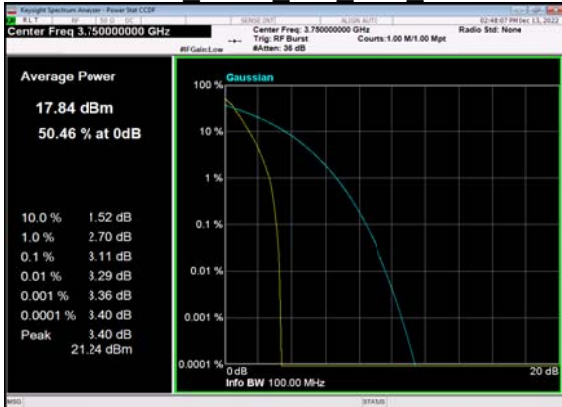
N77(90M)\_CP-OFDM QPSK Outer Full High CH



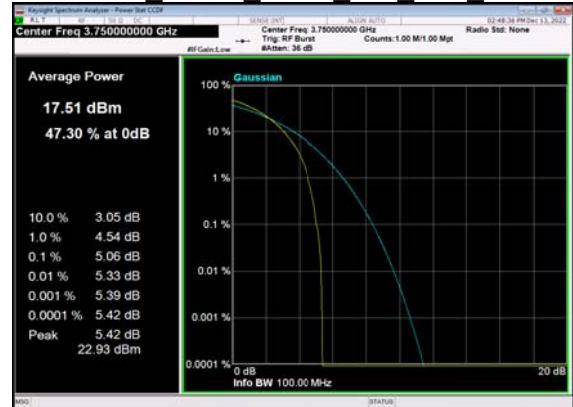
N77(90M)\_CP-OFDM\_16 QAM Outer Full High CH



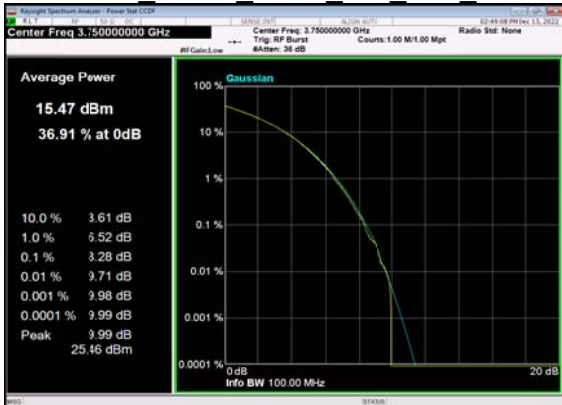
N77(100M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full Low CH



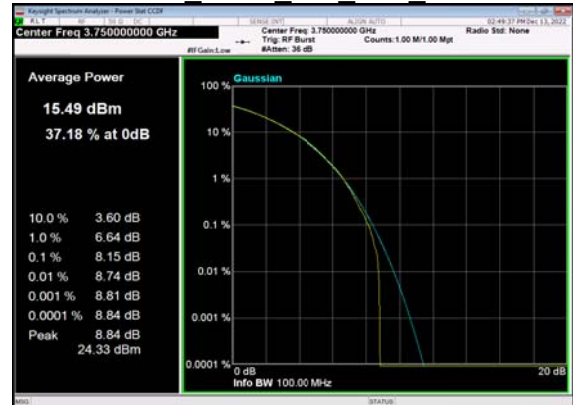
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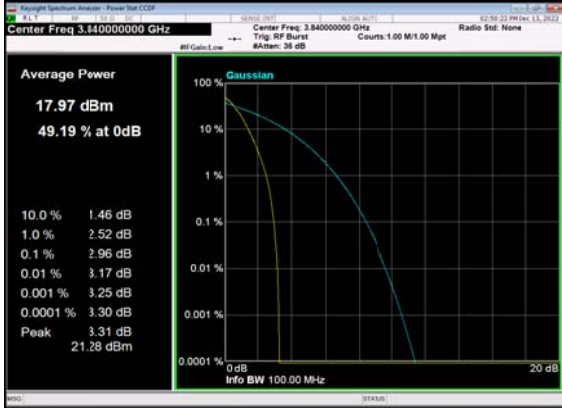
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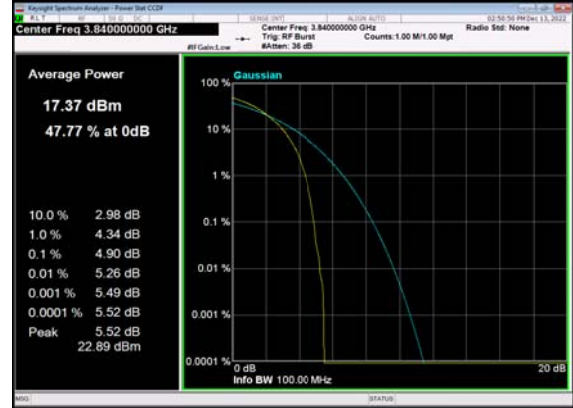
N77(100M)\_CP-OFDM\_16 QAM Outer Full Low CH



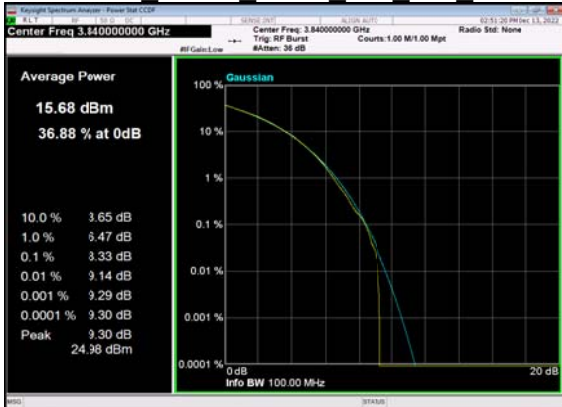
N77(100M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full Mid CH



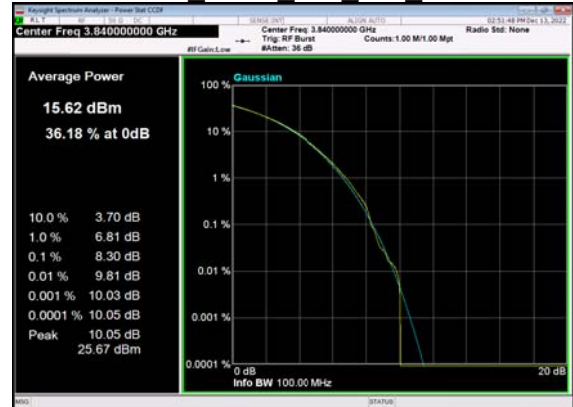
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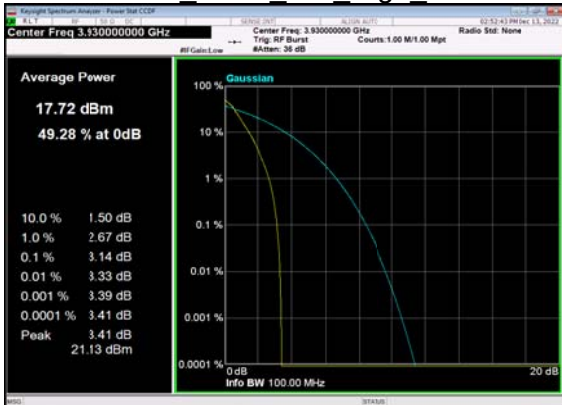
N77(100M)\_CP-OFDM QPSK Outer Full Mid CH



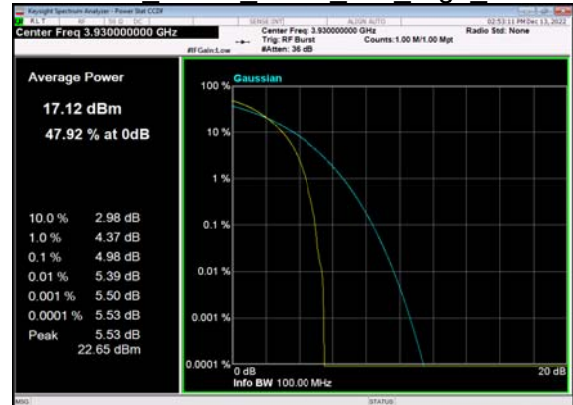
N77(100M)\_CP-OFDM\_16 QAM Outer Full Mid CH



N77(100M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full High CH

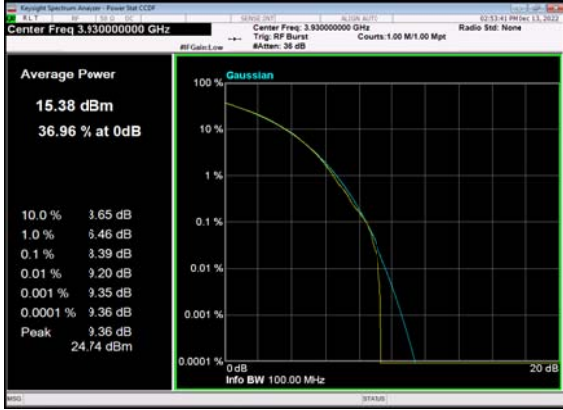


N77(100M)\_DFT-s-OFDM QPSK Outer Full High CH





### N77(100M)\_CP-OFDM QPSK Outer Full High CH



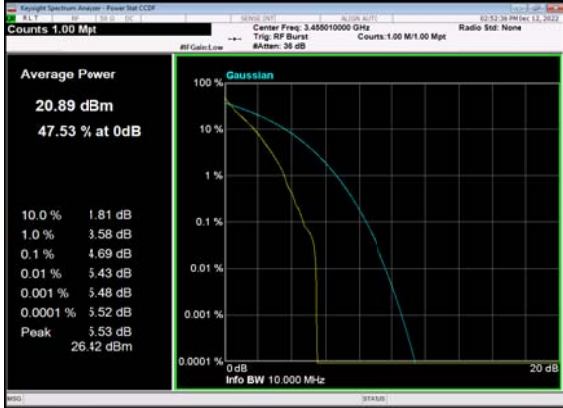
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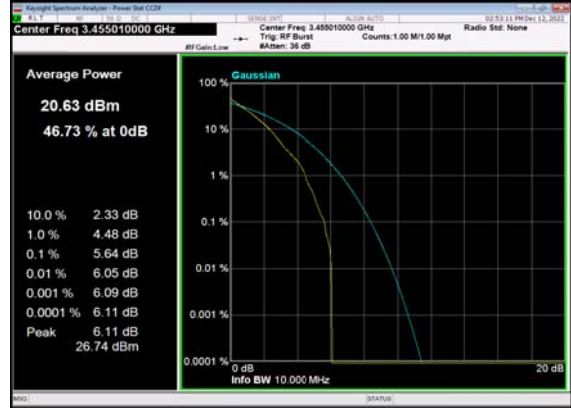


n77 (3450 MHz ~ 3550 MHz)

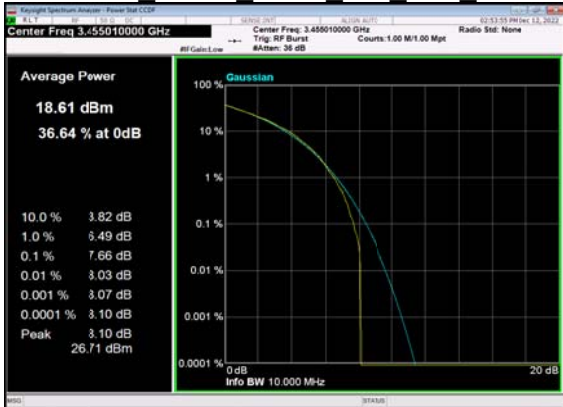
N77(10M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full Low CH



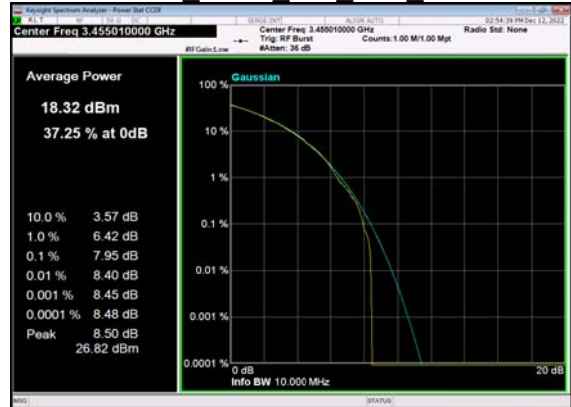
N77(10M)\_DFT-s-OFDM QPSK Outer Full Low CH



N77(10M)\_CP-OFDM QPSK Outer Full Low CH



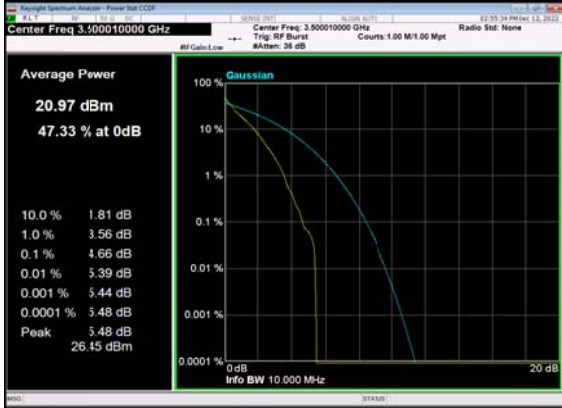
N77(10M)\_CP-OFDM\_16 QAM Outer Full Low CH



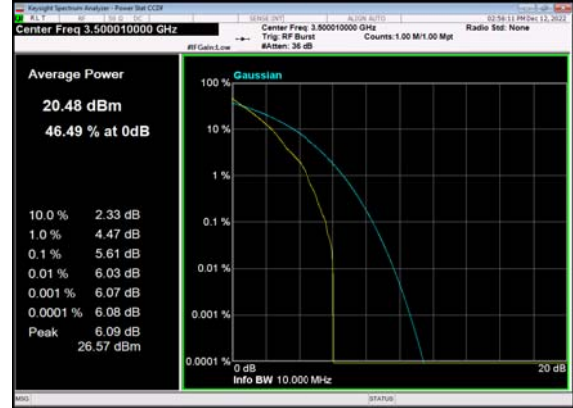




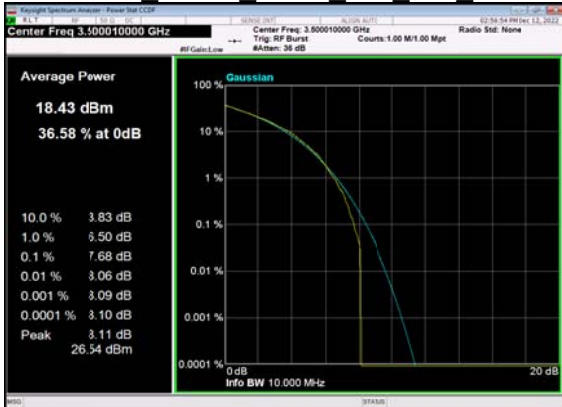
N77(10M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full Mid CH



N77(10M)\_DFT-s-OFDM QPSK Outer Full Mid CH



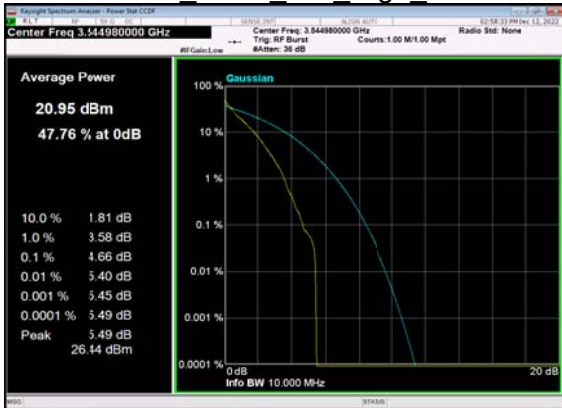
N77(10M)\_CP-OFDM QPSK Outer Full Mid CH



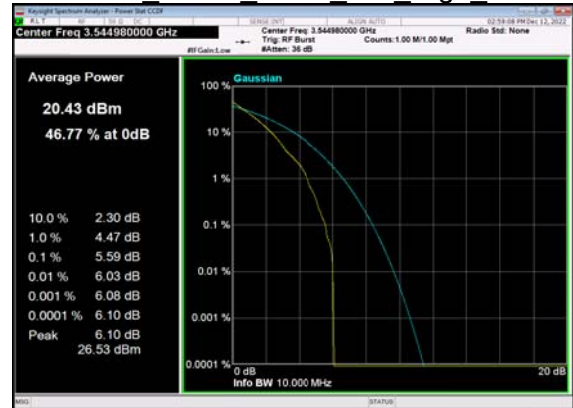
N77(10M)\_CP-OFDM\_16 QAM Outer Full Mid CH



N77(10M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full High CH

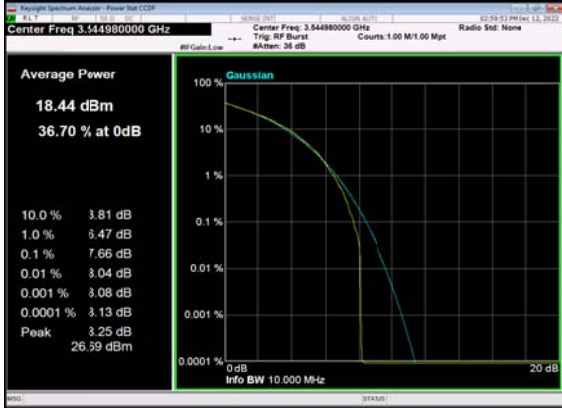


N77(10M)\_DFT-s-OFDM QPSK Outer Full High CH

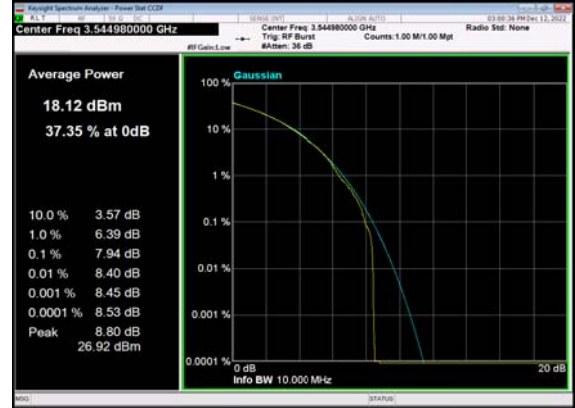




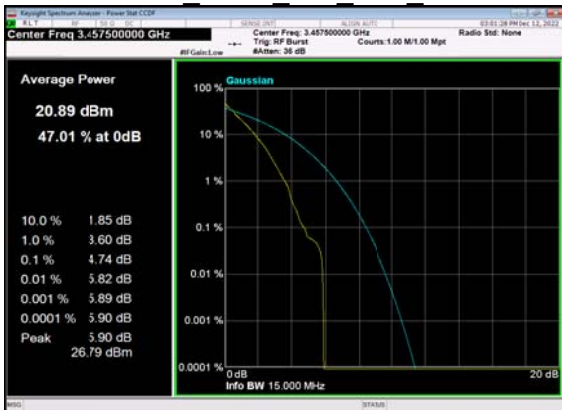
N77(10M)\_CP-OFDM QPSK Outer Full High CH



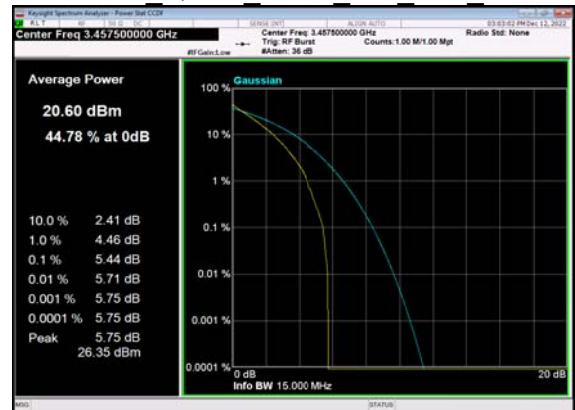
N77(10M)\_CP-OFDM\_16 QAM Outer Full High CH



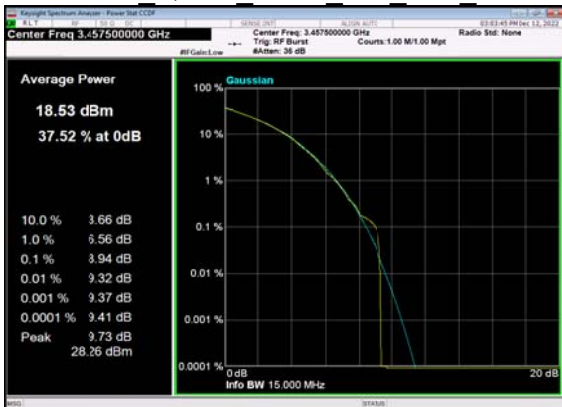
N77(15M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full Low CH



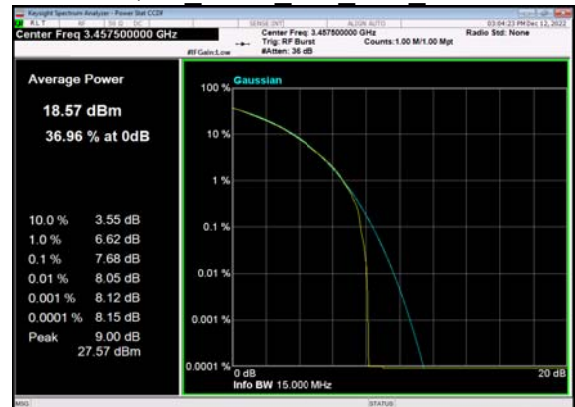
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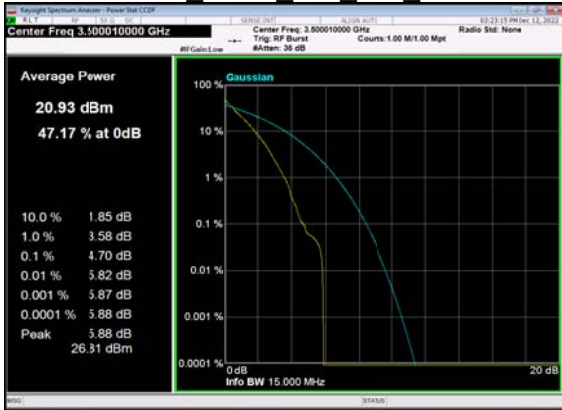
N77(15M)\_CP-OFDM QPSK Outer Full Low CH



N77(15M)\_CP-OFDM\_16 QAM Outer Full Low CH



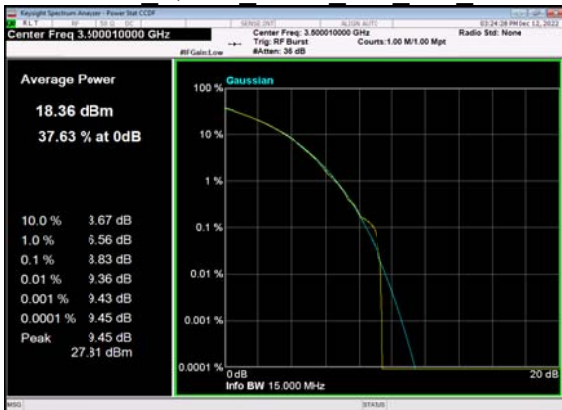
N77(15M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full Mid CH



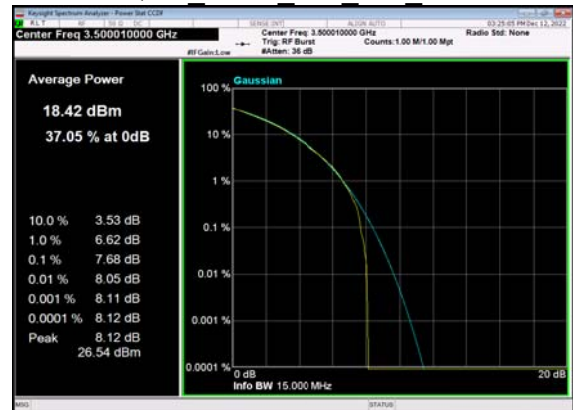
N77(15M)\_DFT-s-OFDM QPSK Outer Full Mid CH



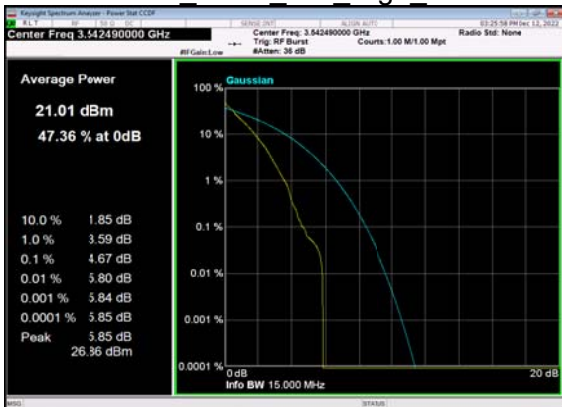
N77(15M)\_CP-OFDM QPSK Outer Full Mid CH



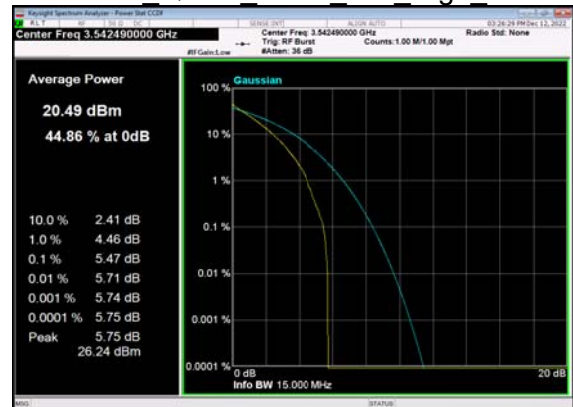
N77(15M)\_CP-OFDM\_16QAM Outer Full Mid CH



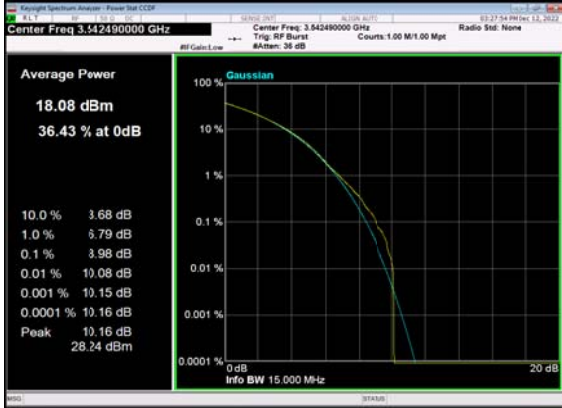
N77(15M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full High CH



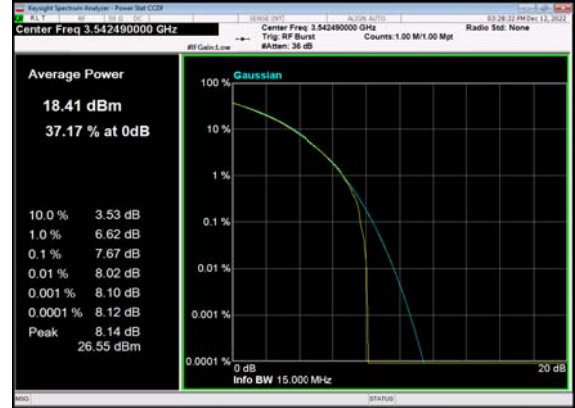
N77(15M)\_DFT-s-OFDM QPSK Outer Full High CH



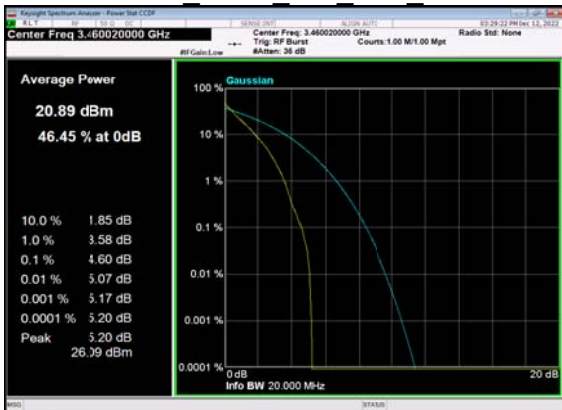
N77(15M)\_CP-OFDM QPSK Outer Full High CH



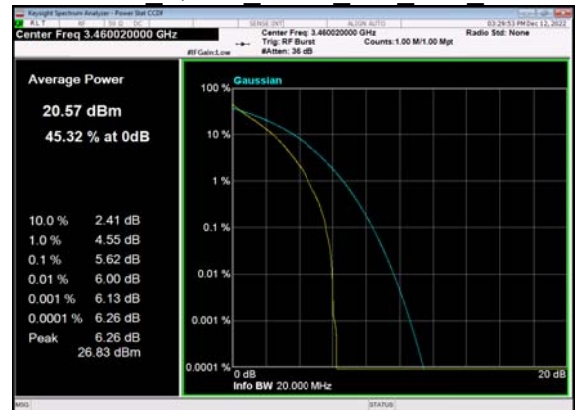
N77(15M)\_CP-OFDM\_16 QAM Outer Full High CH



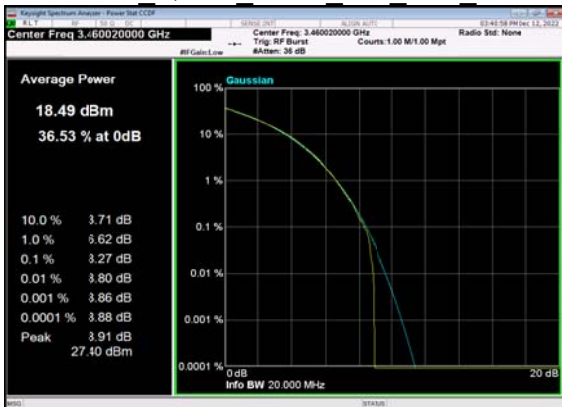
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full Low CH



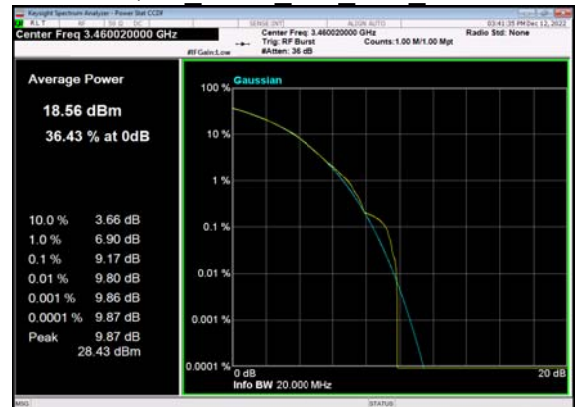
N77(20M)\_DFT-s-OFDM QPSK Outer Full Low CH



N77(20M)\_CP-OFDM QPSK Outer Full Low CH



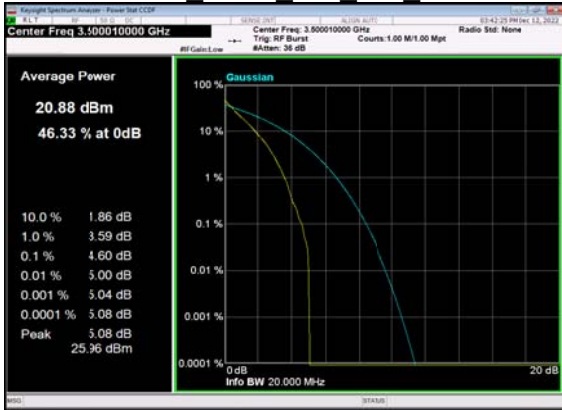
N77(20M)\_CP-OFDM\_16 QAM Outer Full Low CH



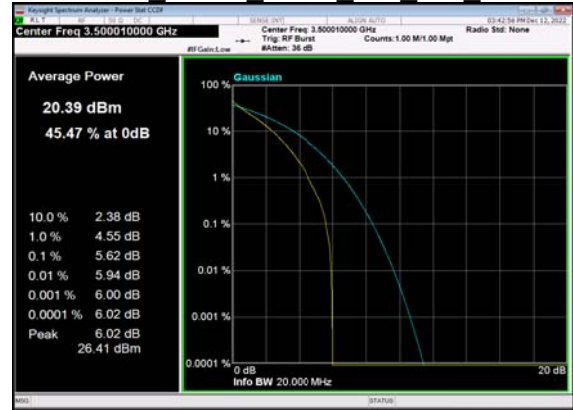




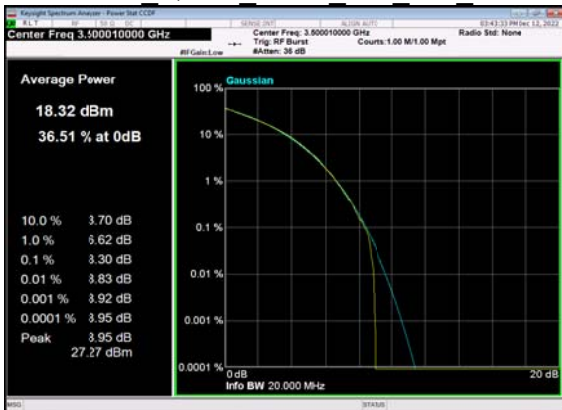
N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full Mid CH



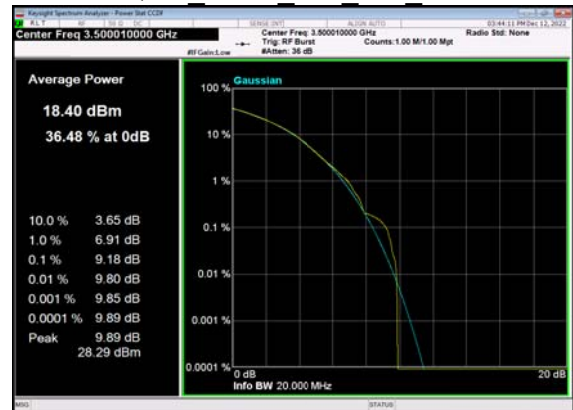
N77(20M)\_DFT-s-OFDM QPSK Outer Full Mid CH



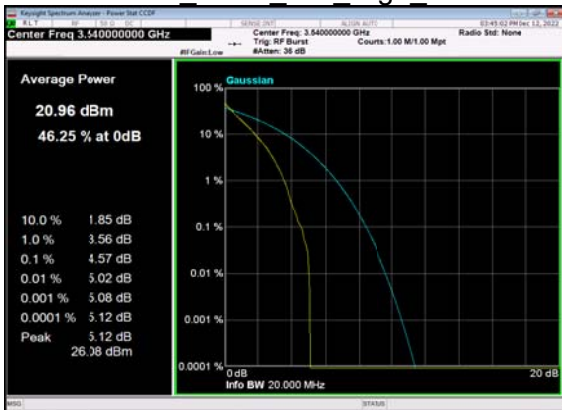
N77(20M)\_CP-OFDM QPSK Outer Full Mid CH



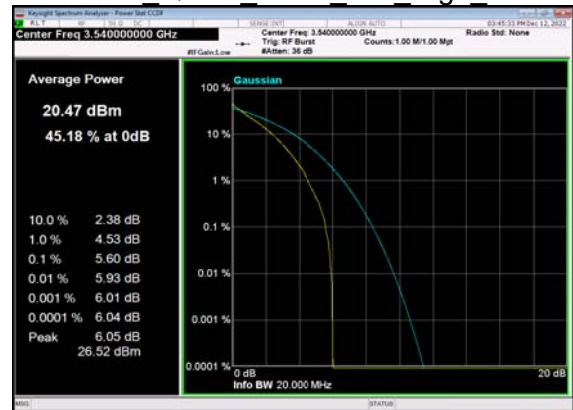
N77(20M)\_CP-OFDM\_16QAM Outer Full Mid CH



N77(20M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full High CH

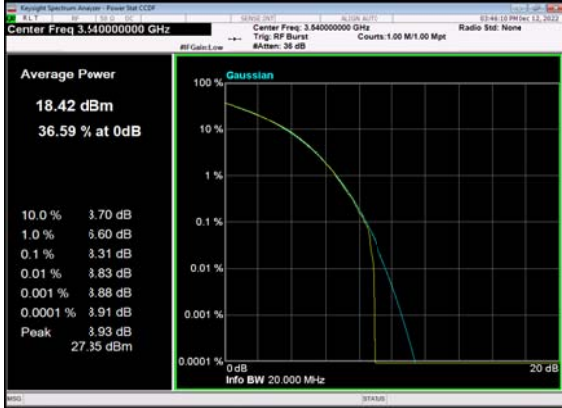


N77(20M)\_DFT-s-OFDM QPSK Outer Full High CH

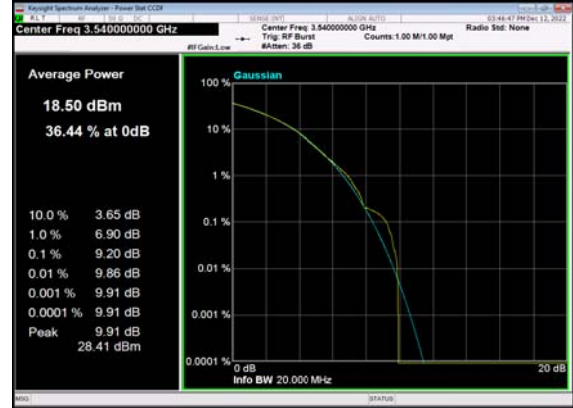




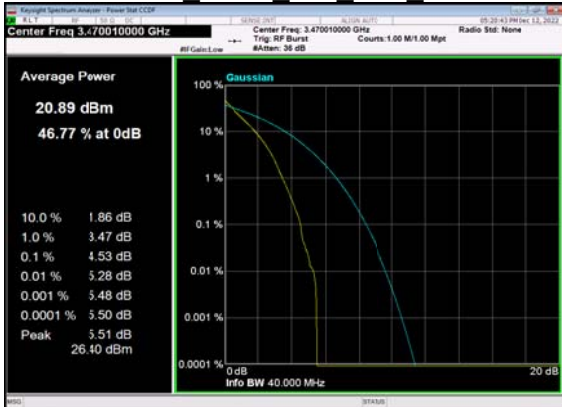
N77(20M)\_CP-OFDM QPSK Outer Full High CH



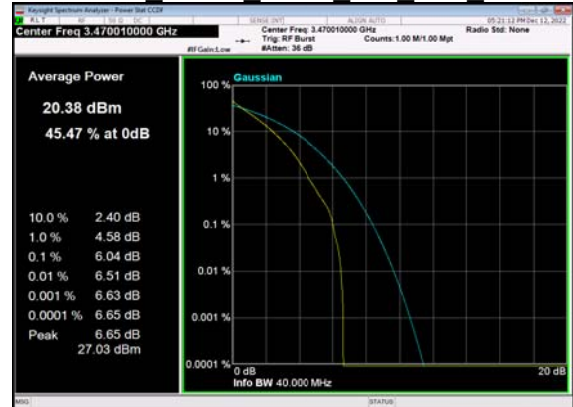
N77(20M)\_CP-OFDM\_16 QAM Outer Full High CH



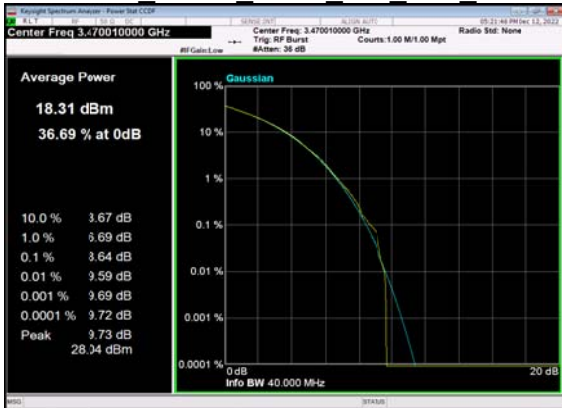
N77(40M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full Low CH



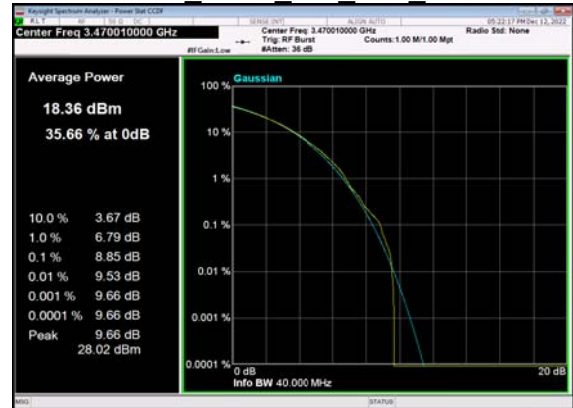
N77(40M)\_DFT-s-OFDM QPSK Outer Full Low CH



N77(40M)\_CP-OFDM QPSK Outer Full Low CH

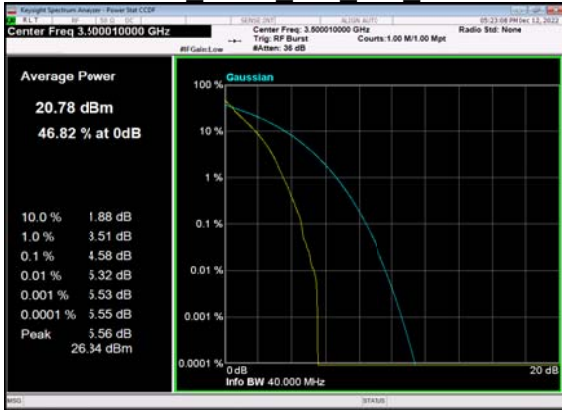


N77(40M)\_CP-OFDM\_16 QAM Outer Full Low CH

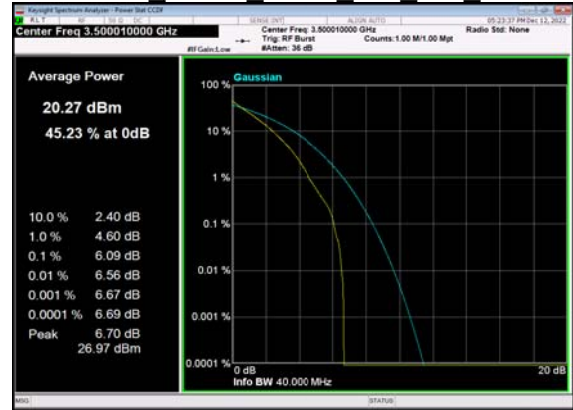




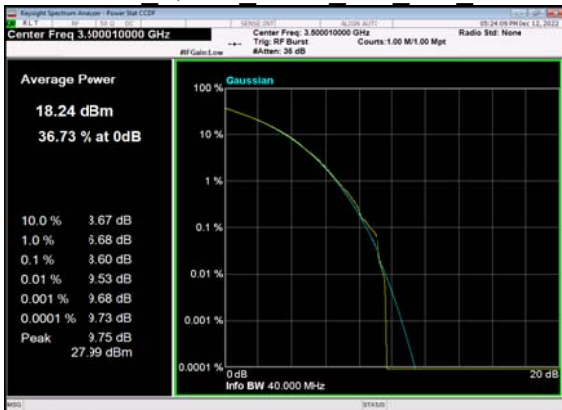
N77(40M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full Mid CH



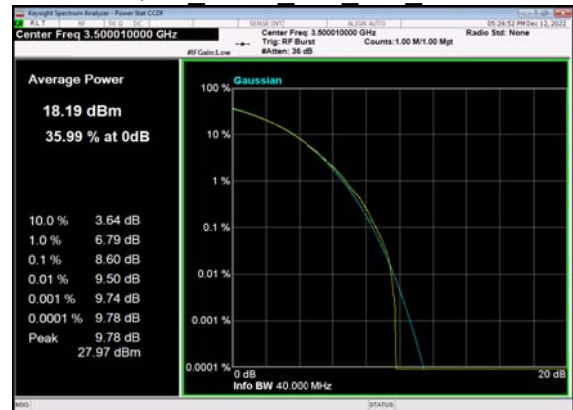
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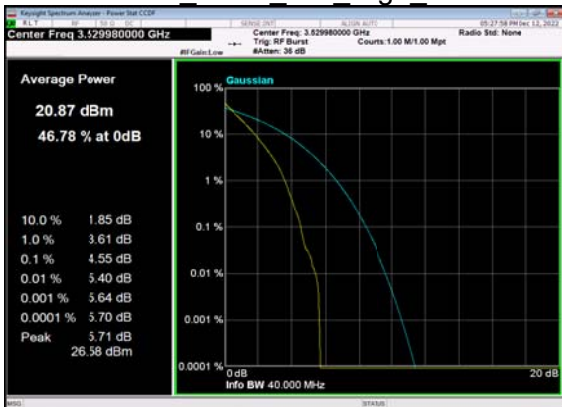
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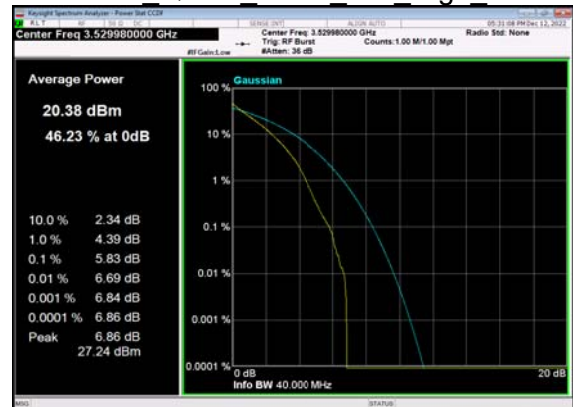
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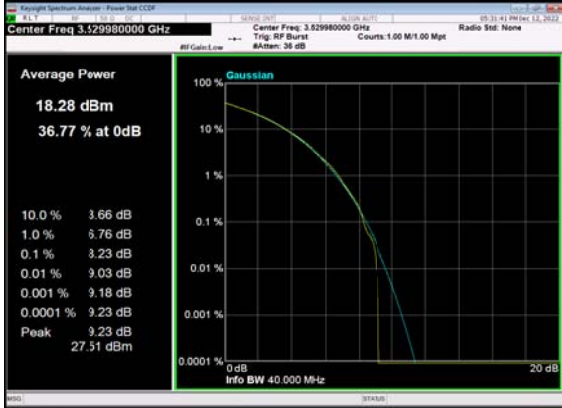


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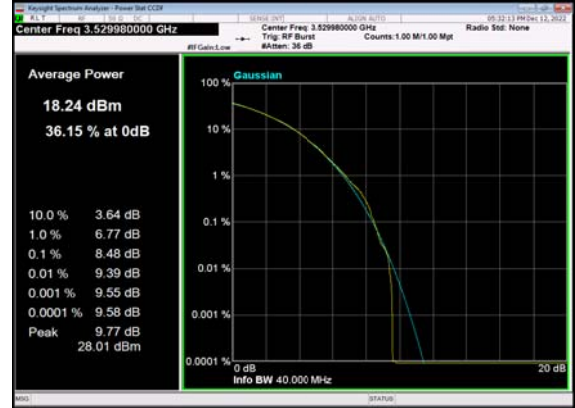




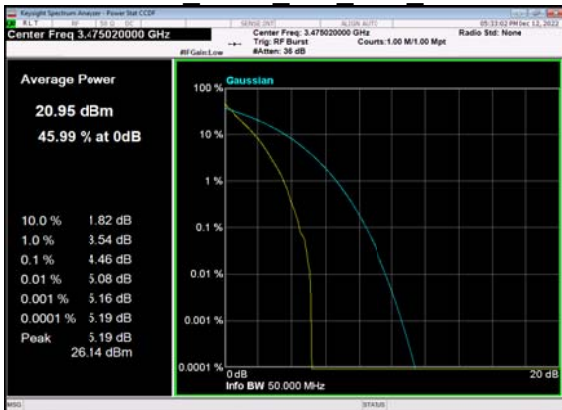
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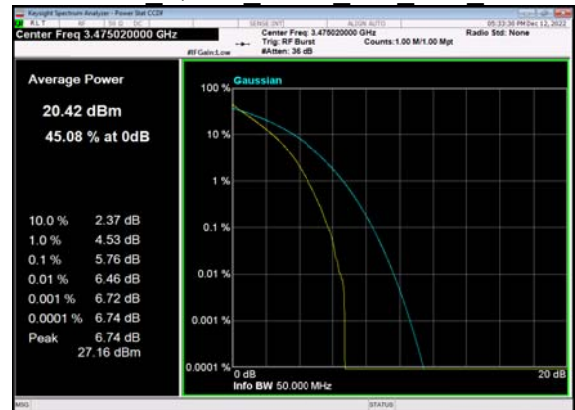
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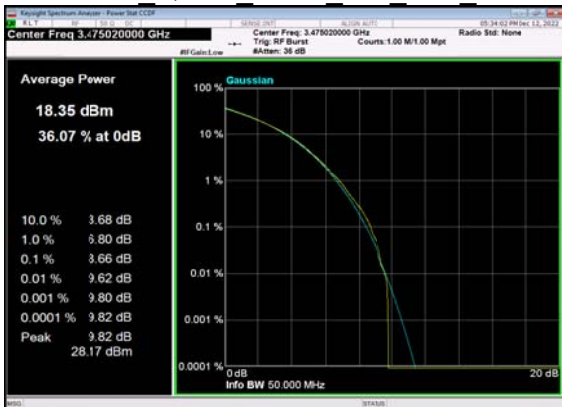
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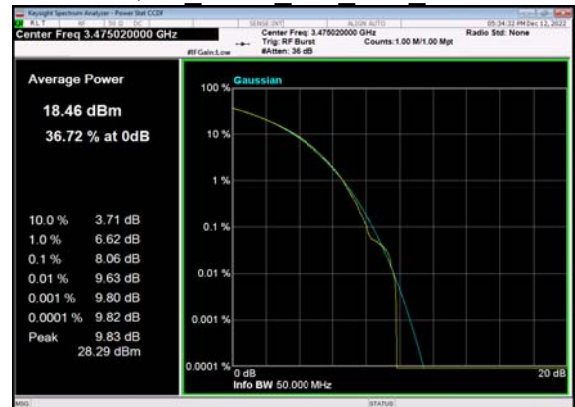
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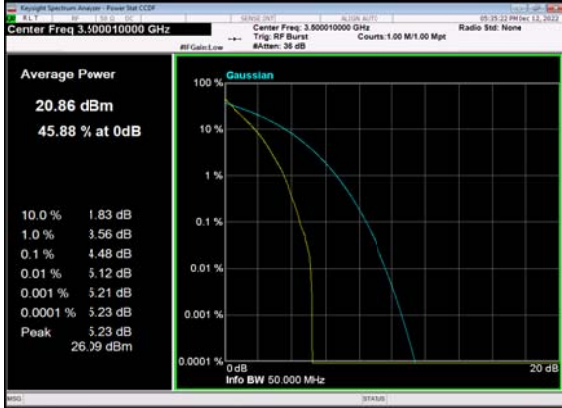


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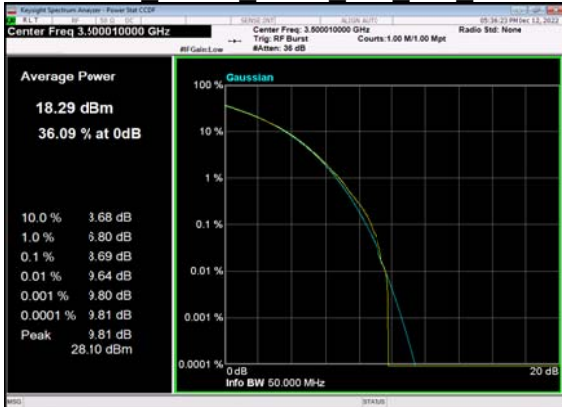
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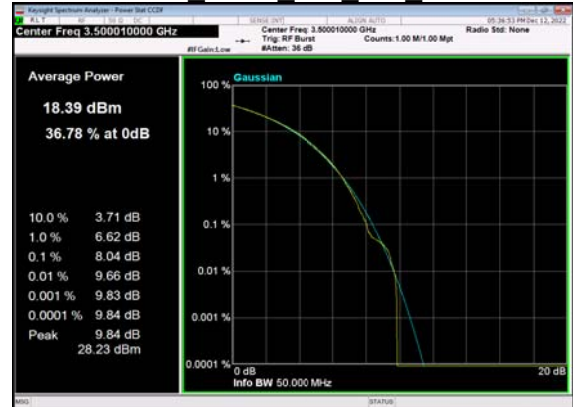
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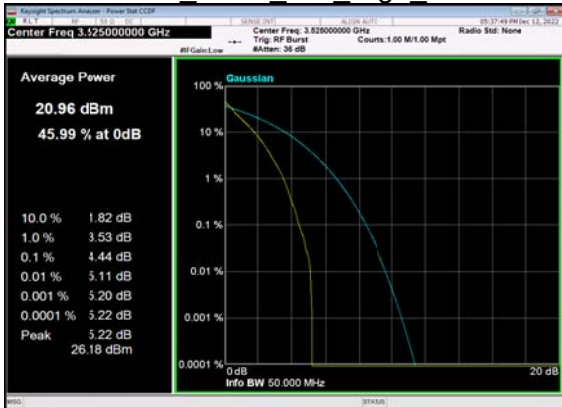
N77(50M)\_CP-OFDM QPSK Outer Full Mid CH



N77(50M)\_CP-OFDM\_16 QAM Outer Full Mid CH



N77(50M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full High CH

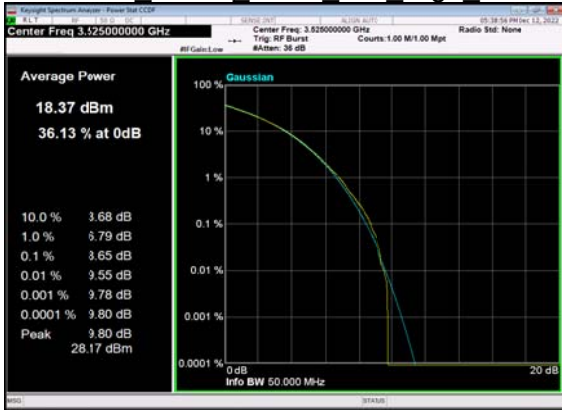


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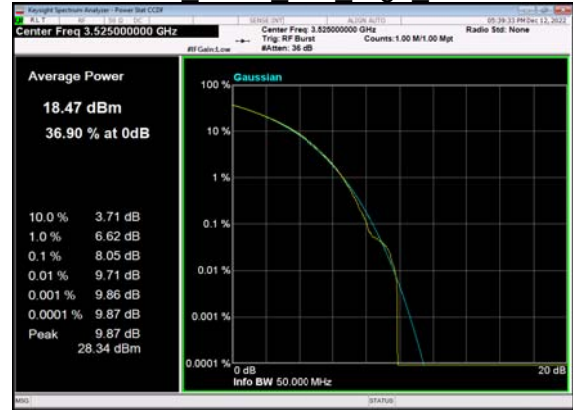




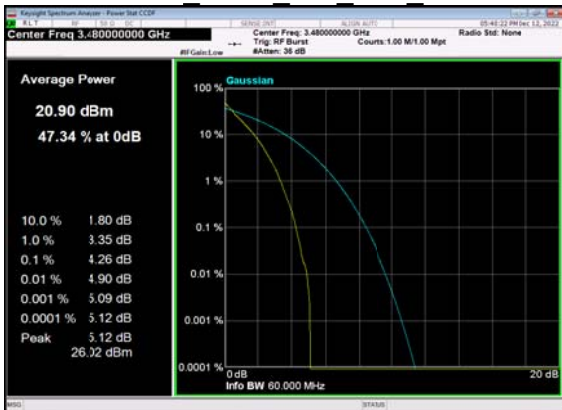
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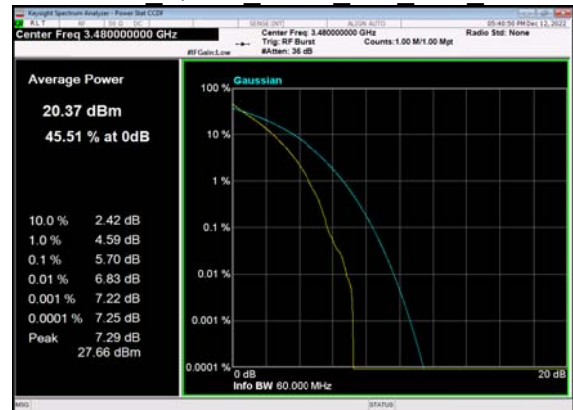
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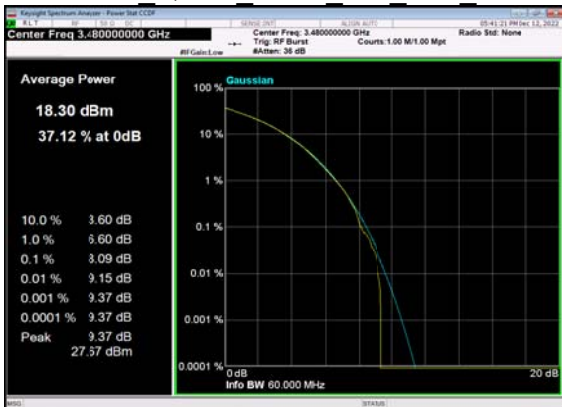
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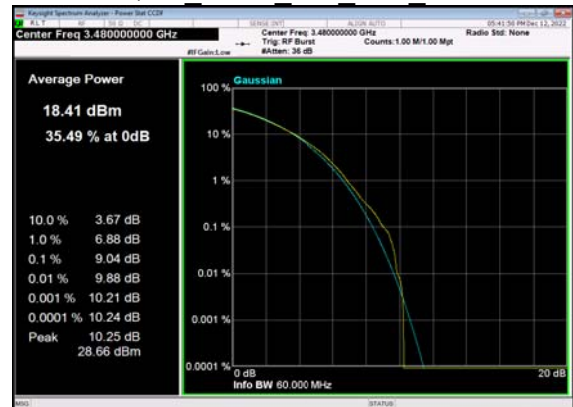
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N77(60M)\_CP-OFDM QPSK Outer Full Low CH

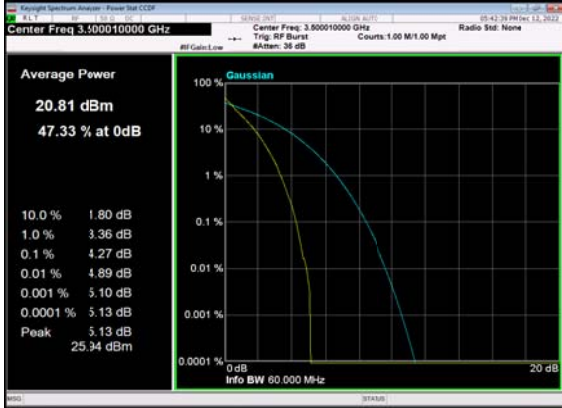


N77(60M)\_CP-OFDM\_16 QAM Outer Full Low CH

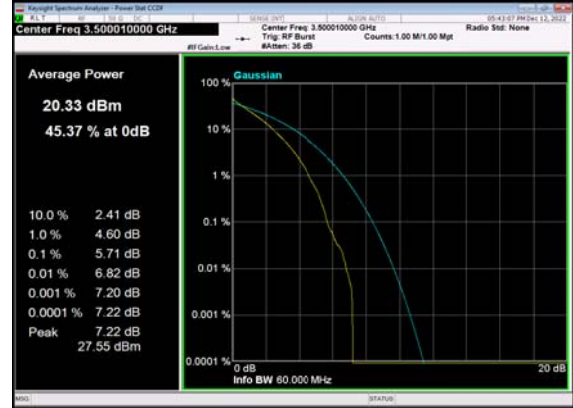




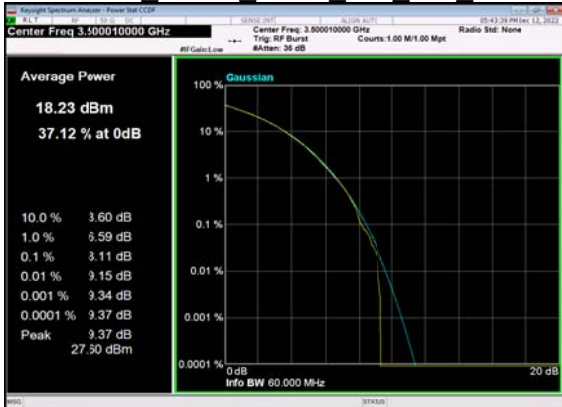
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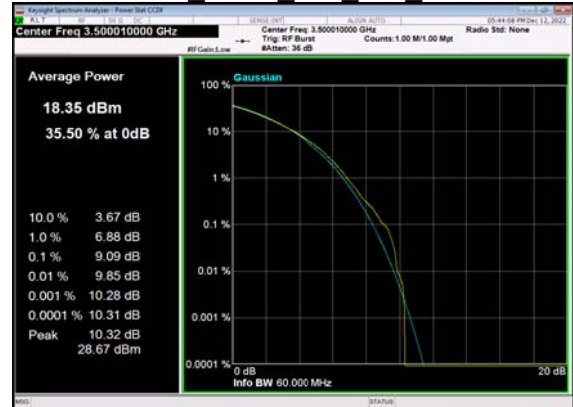
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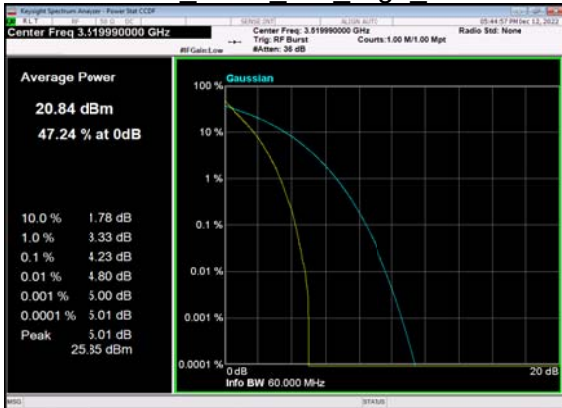
N77(60M)\_CP-OFDM QPSK Outer Full Mid CH



N77(60M)\_CP-OFDM\_16QAM Outer Full Mid CH



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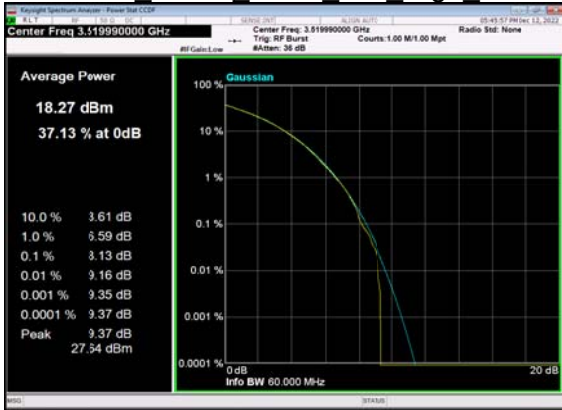


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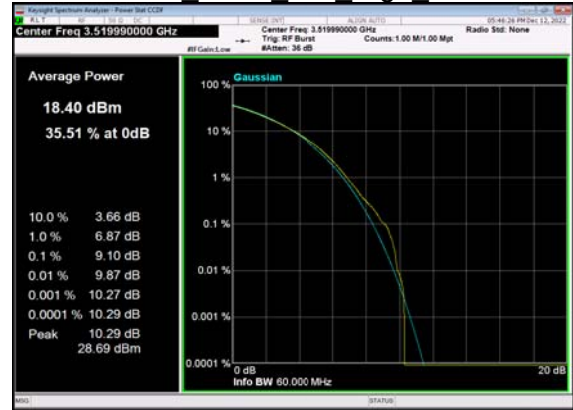




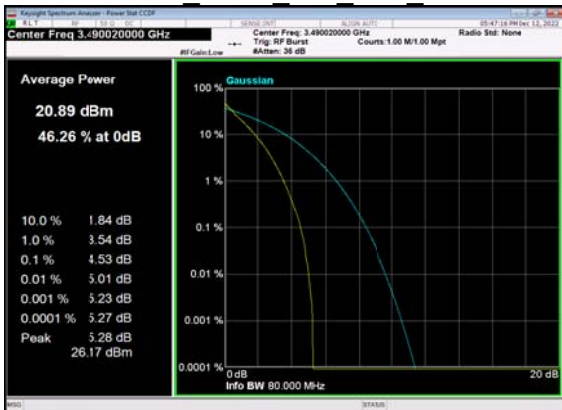
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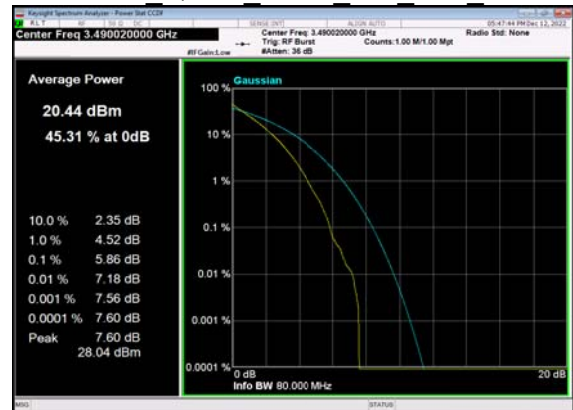
N77(60M)\_CP-OFDM\_16 QAM Outer Full High CH



N77(80M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full Low CH



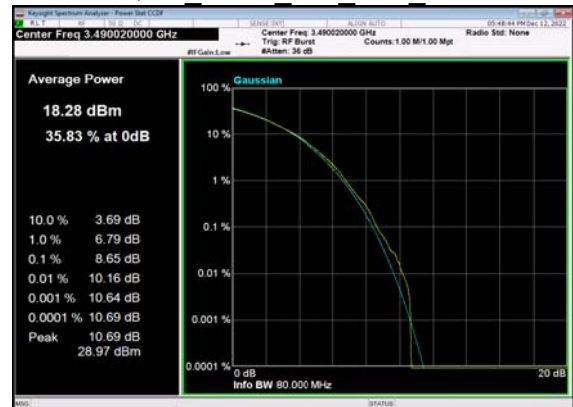
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N77(80M)\_CP-OFDM QPSK Outer Full Low CH

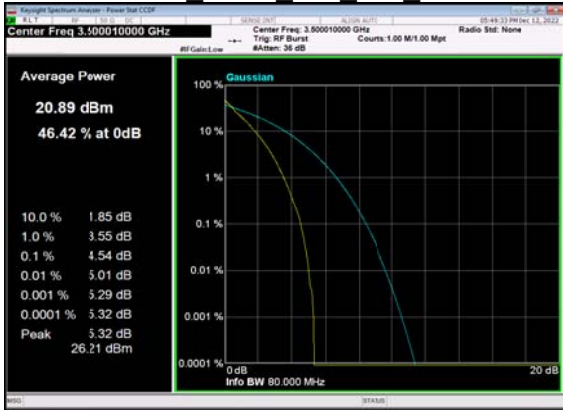


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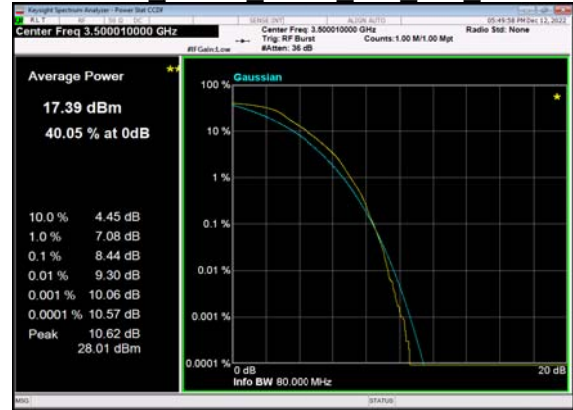




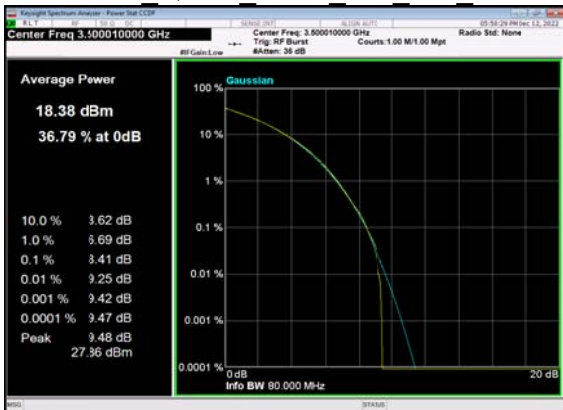
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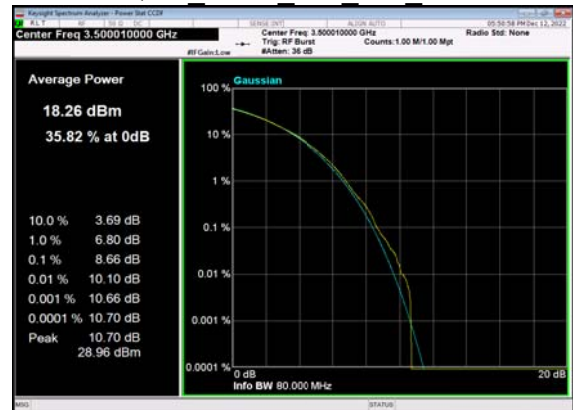
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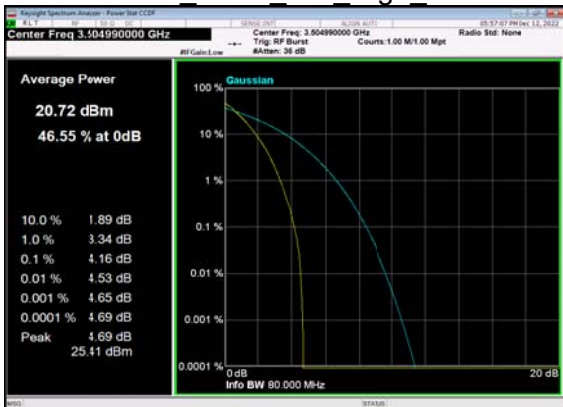
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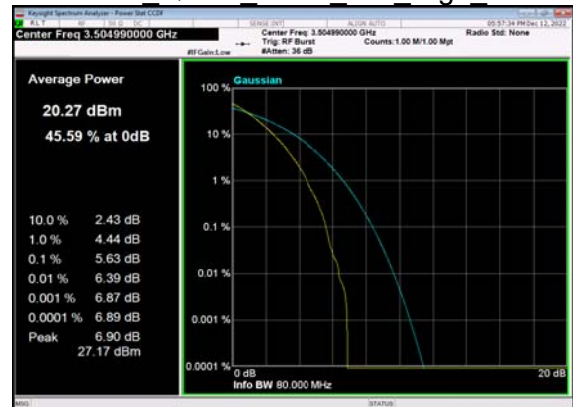
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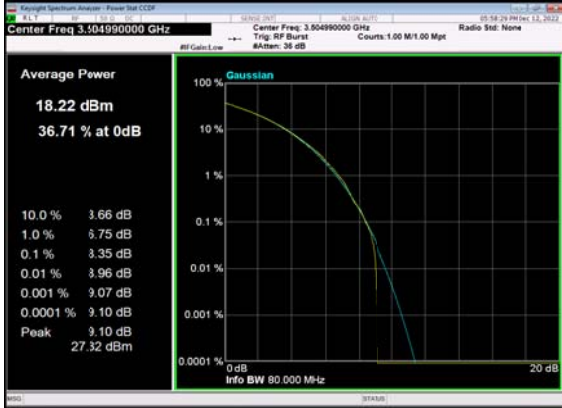
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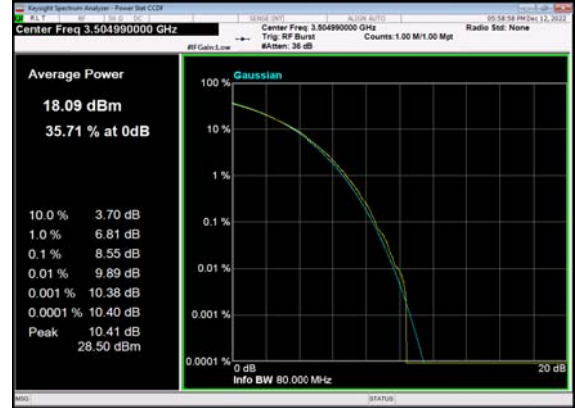
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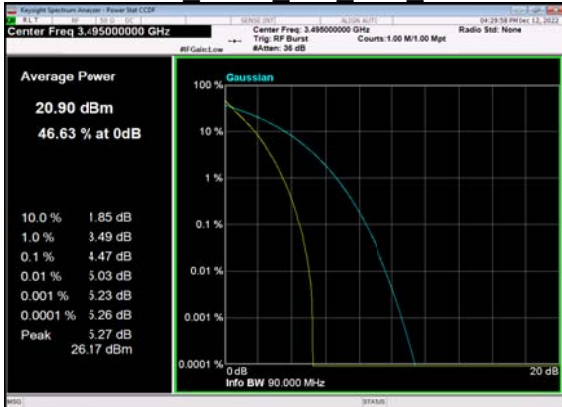
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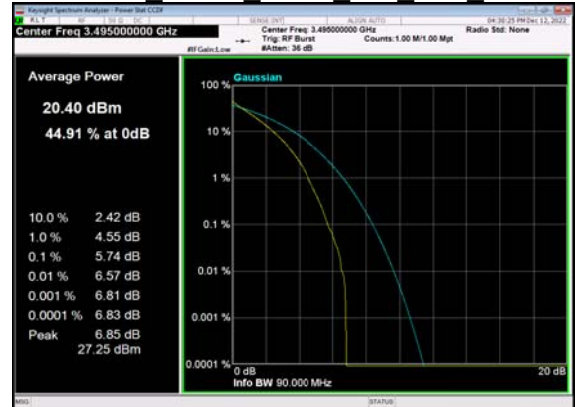
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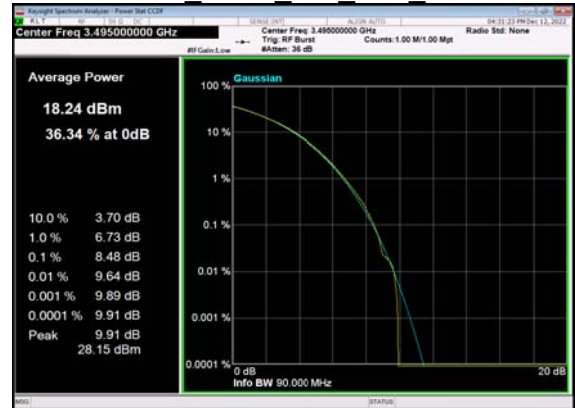
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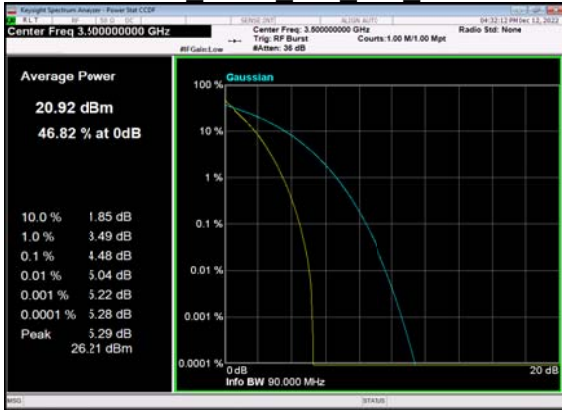
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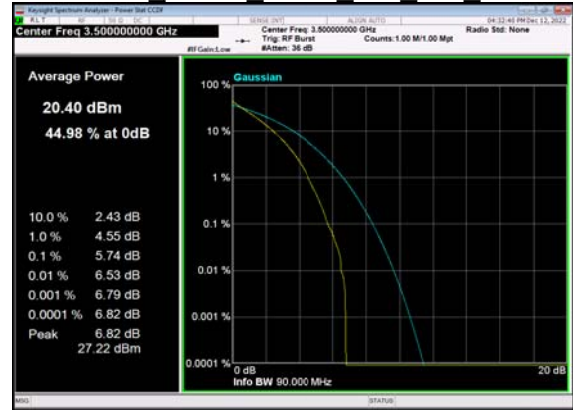
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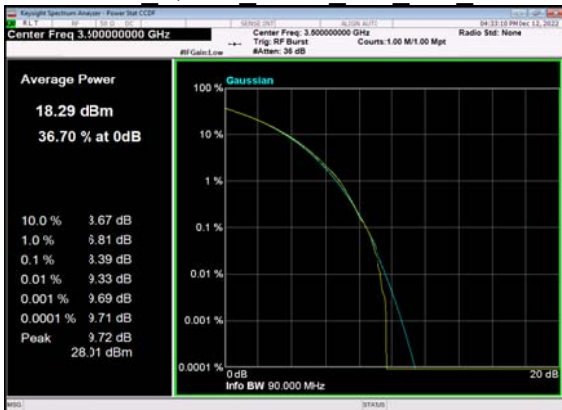
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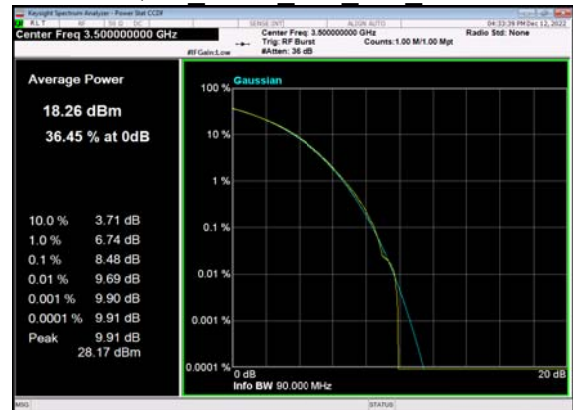
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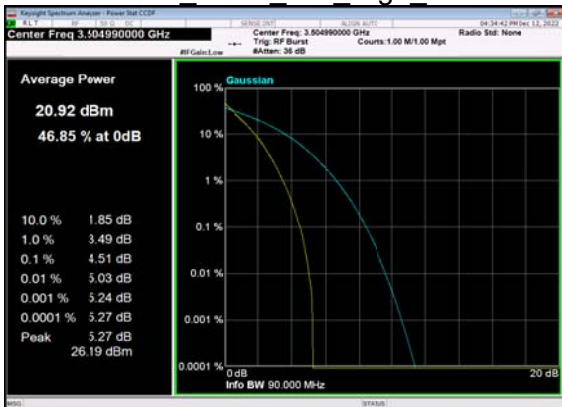
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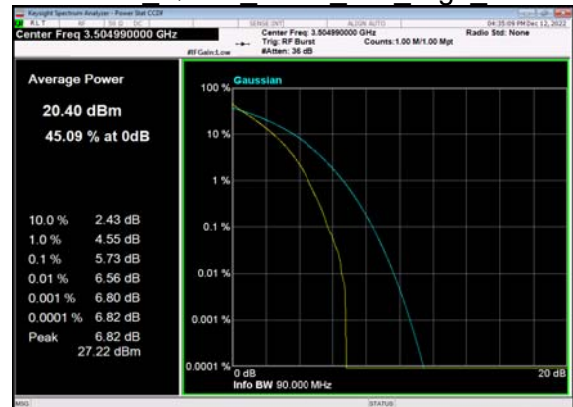
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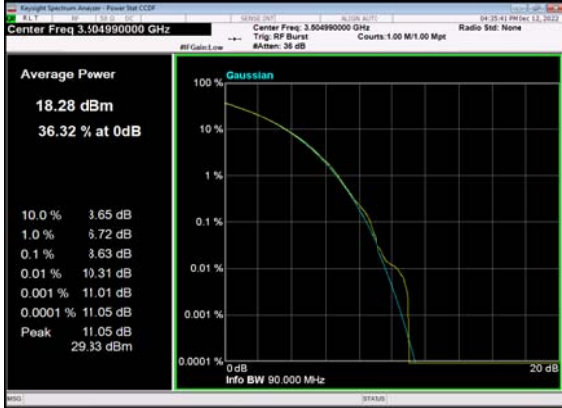
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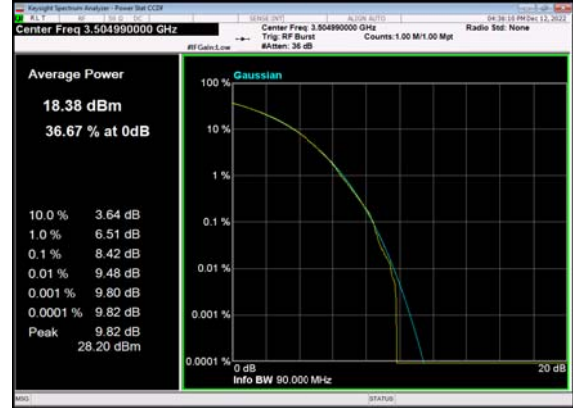
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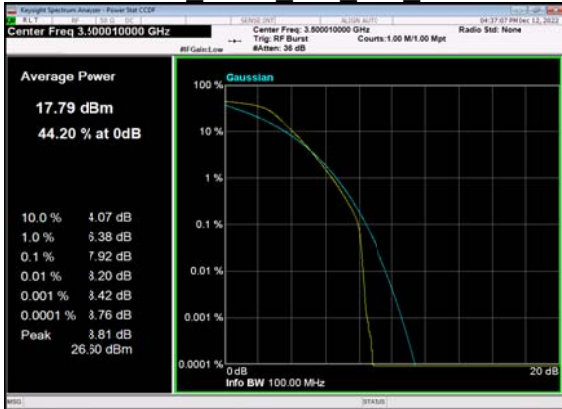
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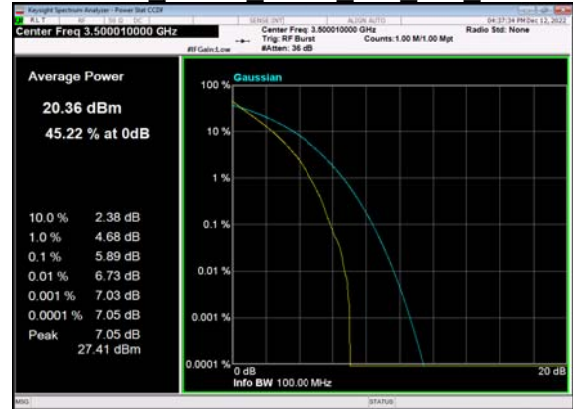
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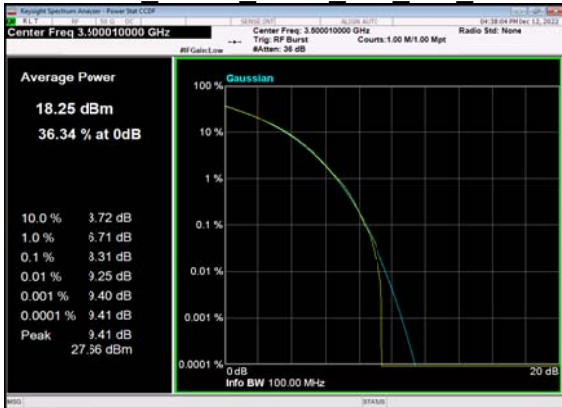
N77(100M)\_DFT-s-OFDM\_PI\_2-BPSK Outer Full Mid CH



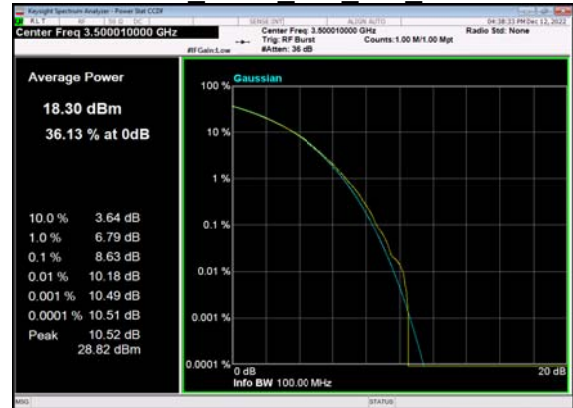
N77(100M)\_DFT-s-OFDM QPSK Outer Full Mid CH



N77(100M)\_CP-OFDM QPSK Outer Full Mid CH



N77(100M)\_CP-OFDM\_16 QAM Outer Full Mid CH







## 2.5. Conducted Spurious Emissions

### 2.5.1. Requirement

According to FCC section 2.1051, 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 24.238(a) for n2, n66, 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.

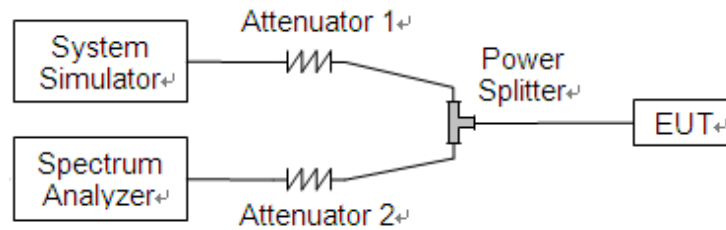
According to FCC section 27.53(m)(4) for n7 ,n38, n41, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $55 + 10 \log(P)$  dB. This calculated to be -25dBm.

According to FCC section 27.53(h) for n71, 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

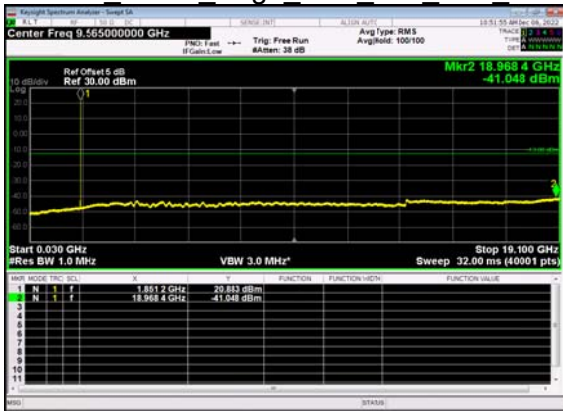
KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.

## 2.5.4. Test Result

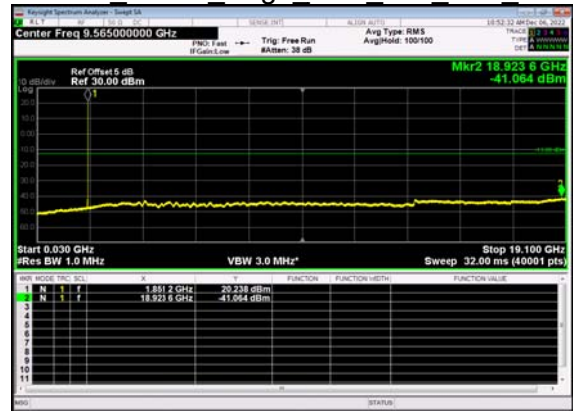
**Note:** In the same NR frequency band, The measured power in SA mode is higher than that in NSA mode, SA mode is selected to test all test cases.



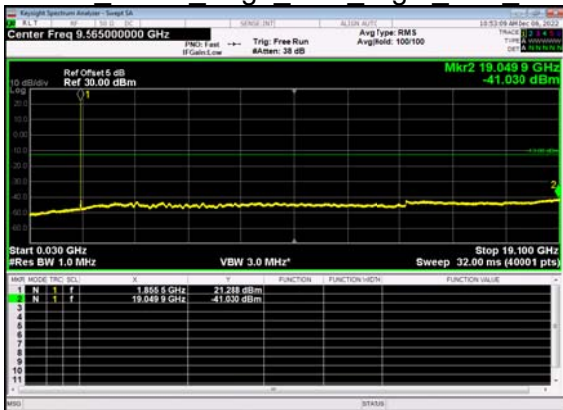
N2(5M)\_DFT-s-OFDM BPSK Edge 1RB Left Low CH



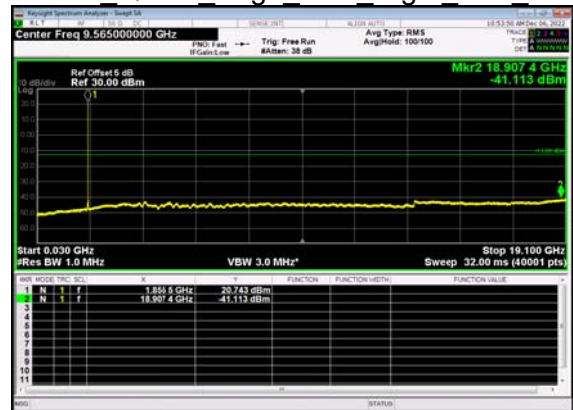
N2(5M)\_DFT-s-OFDM QPSK Edge 1RB Left Low CH



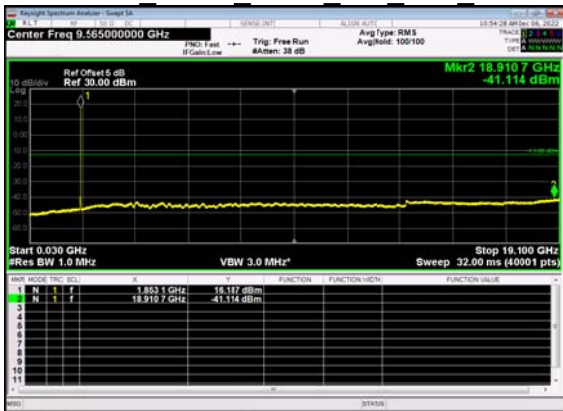
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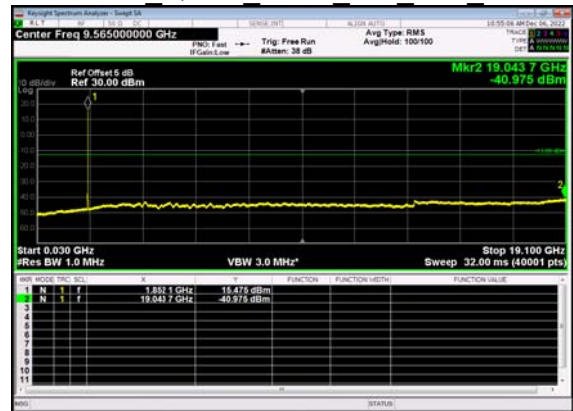
N2(5M)\_DFT-s-OFDM QPSK Edge 1RB Right Low CH



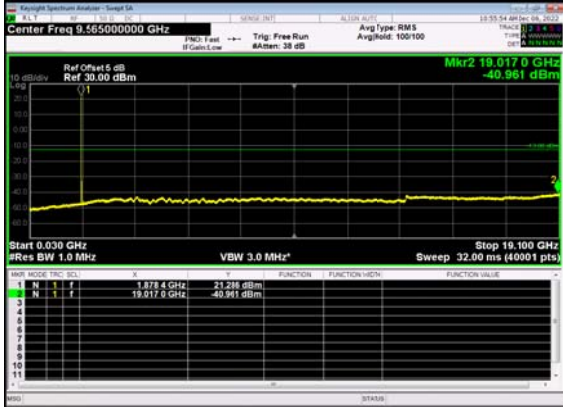
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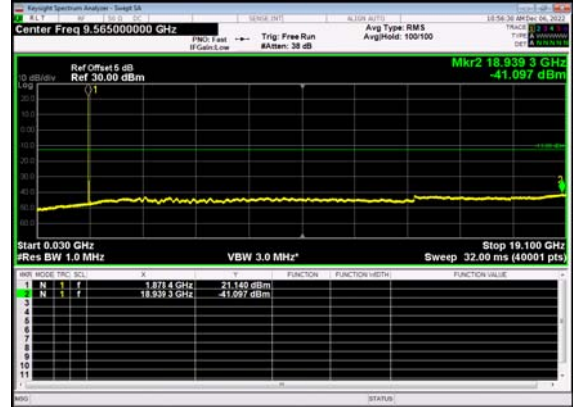
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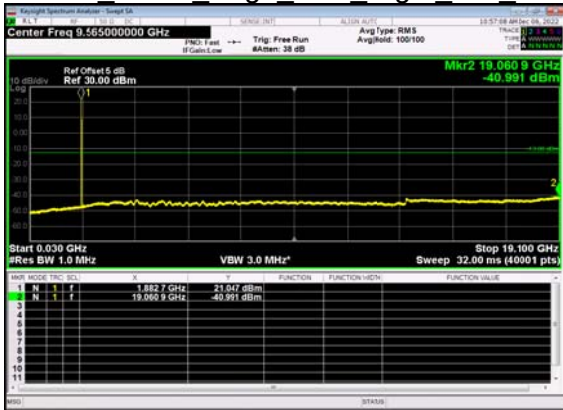
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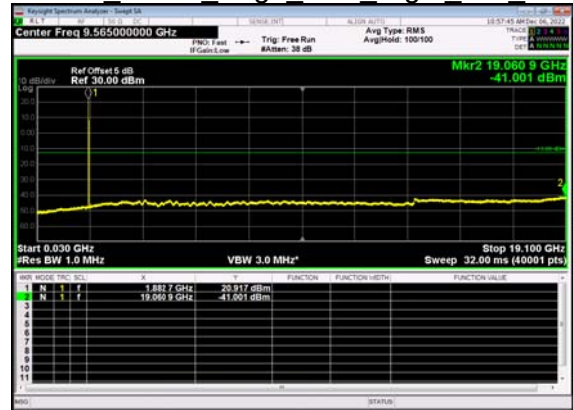
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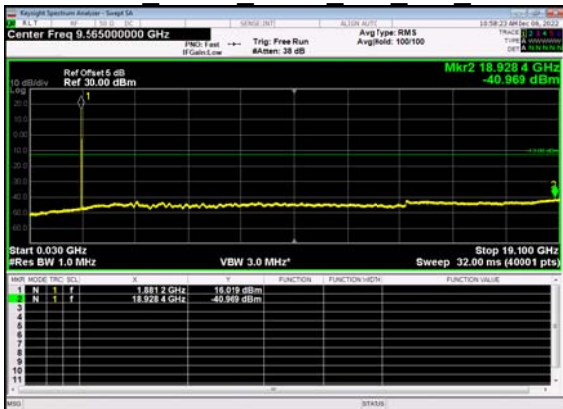
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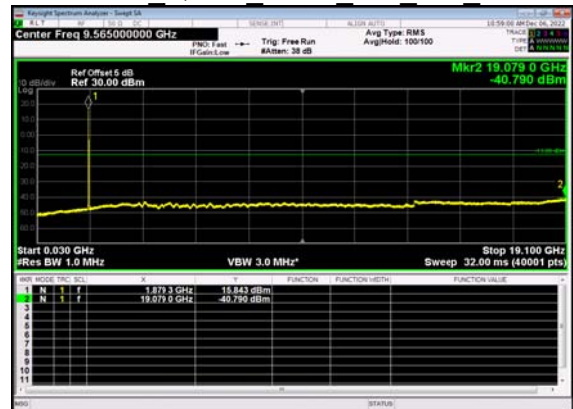
N2(5M)\_DFT-s-OFDM QPSK Edge 1RB Right Mid CH



N2(5M)\_DFT-s-OFDM BPSK Outer Full Mid CH



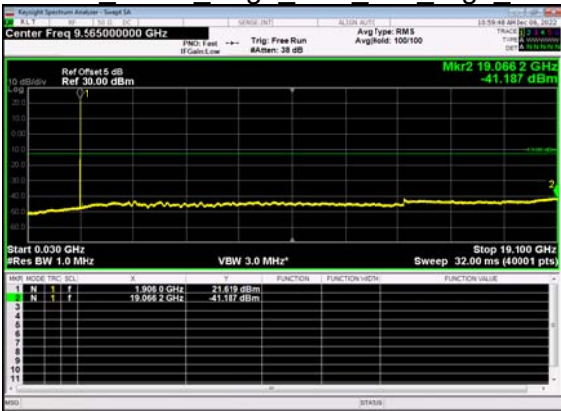
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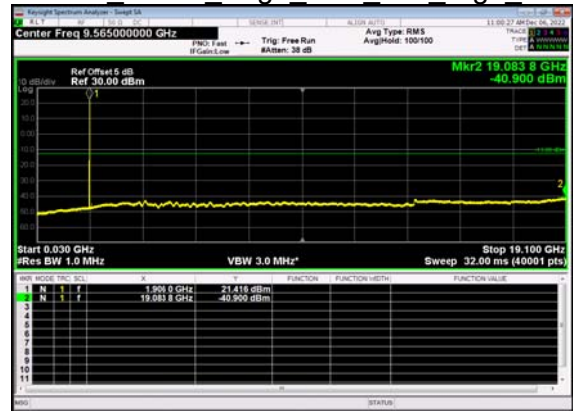




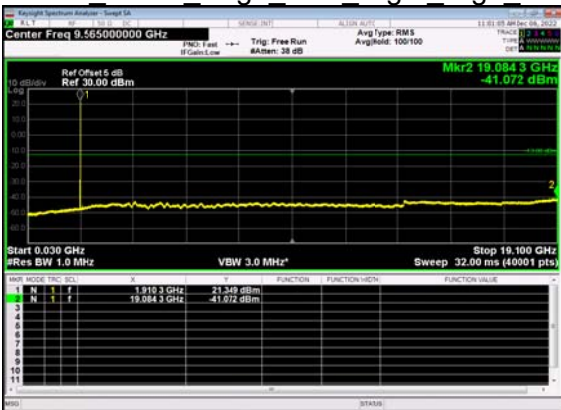
N2(5M)\_DFT-s-OFDM BPSK Edge 1RB Left High CH



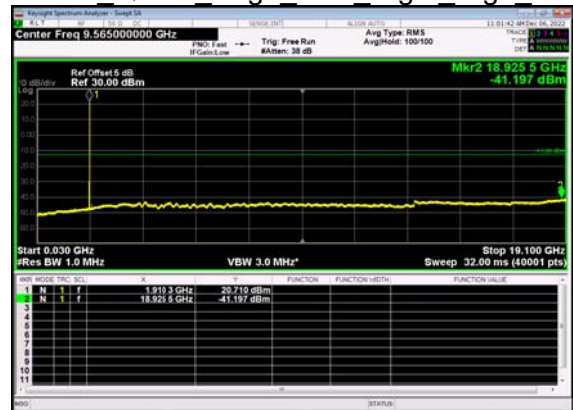
N2(5M)\_DFT-s-OFDM QPSK Edge 1RB Left High CH



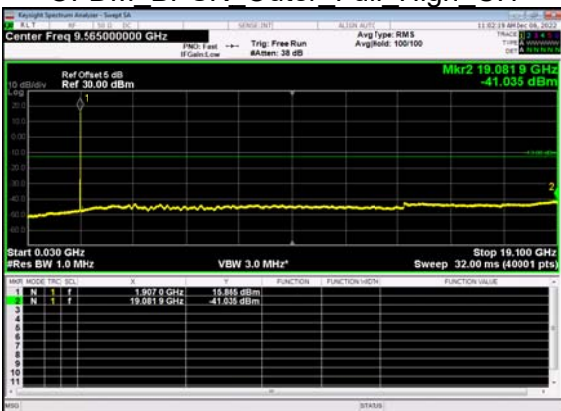
N2(5M)\_DFT-s-OFDM BPSK Edge 1RB Right High CH



N2(5M)\_DFT-s-OFDM QPSK Edge 1RB Right High CH



N2(5M)\_DFT-s-OFDM BPSK Outer Full High CH



N2(5M)\_DFT-s-OFDM QPSK Outer Full High CH

