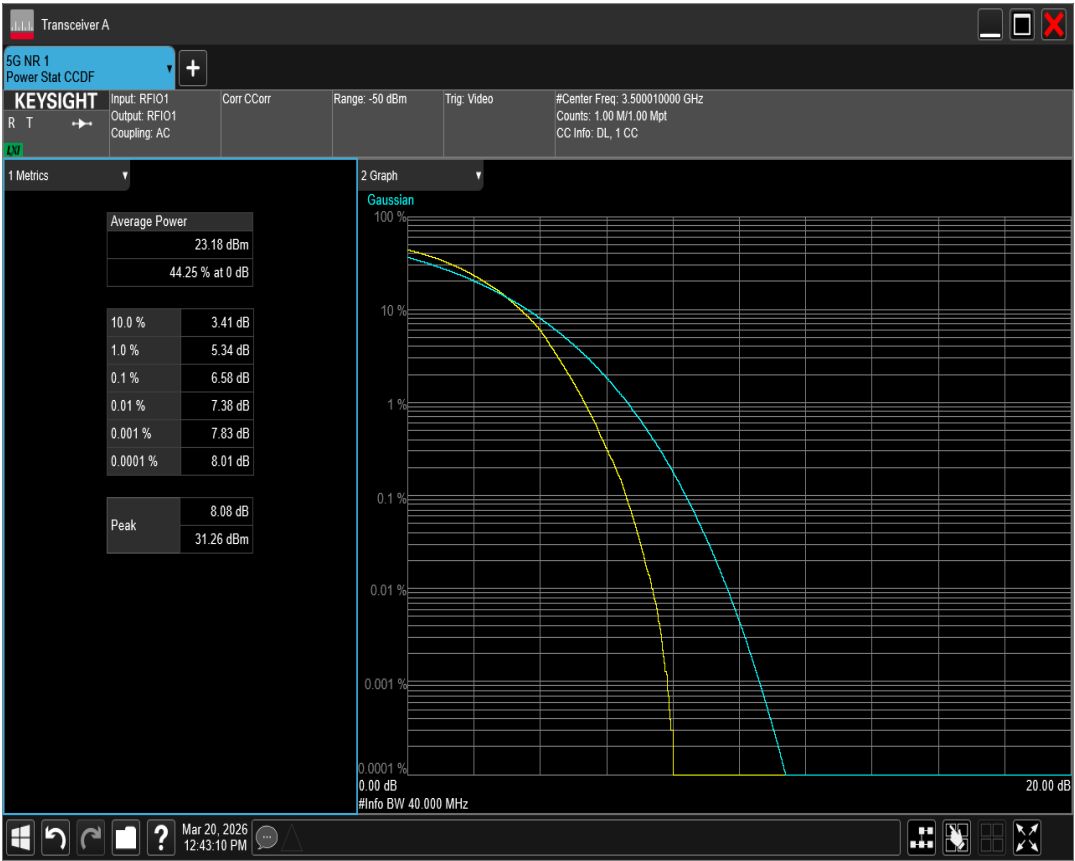
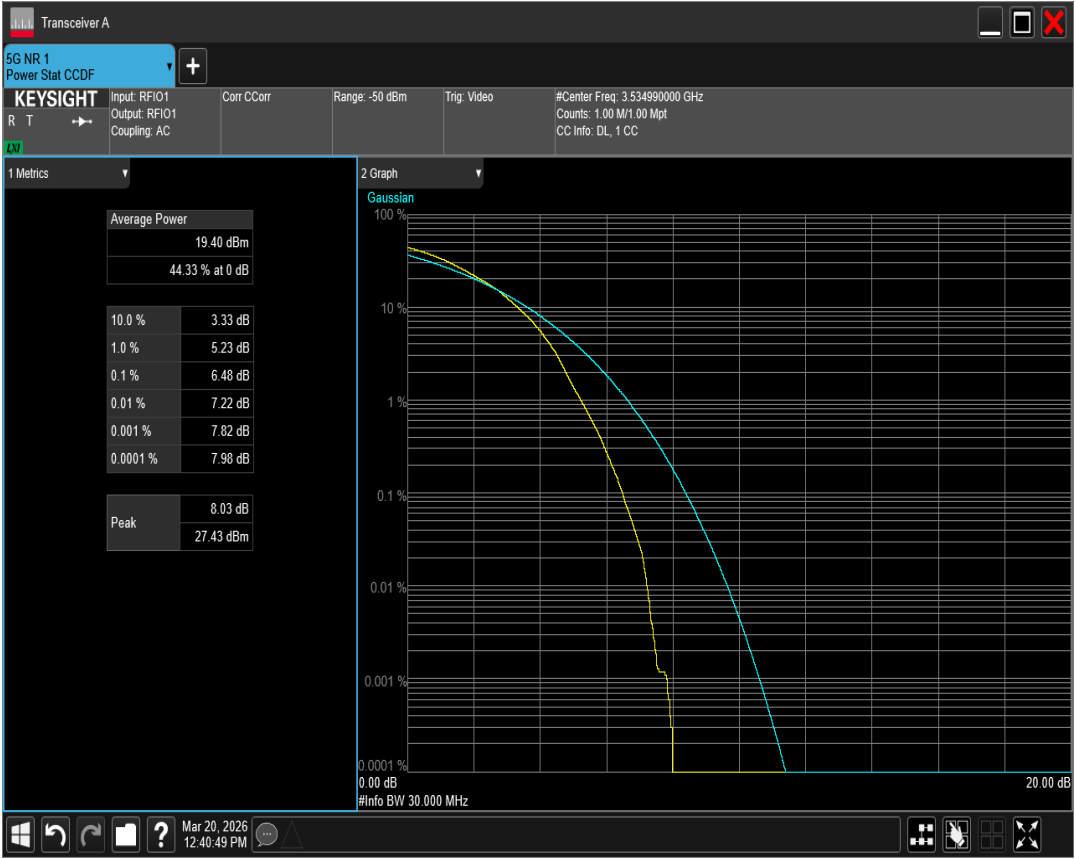
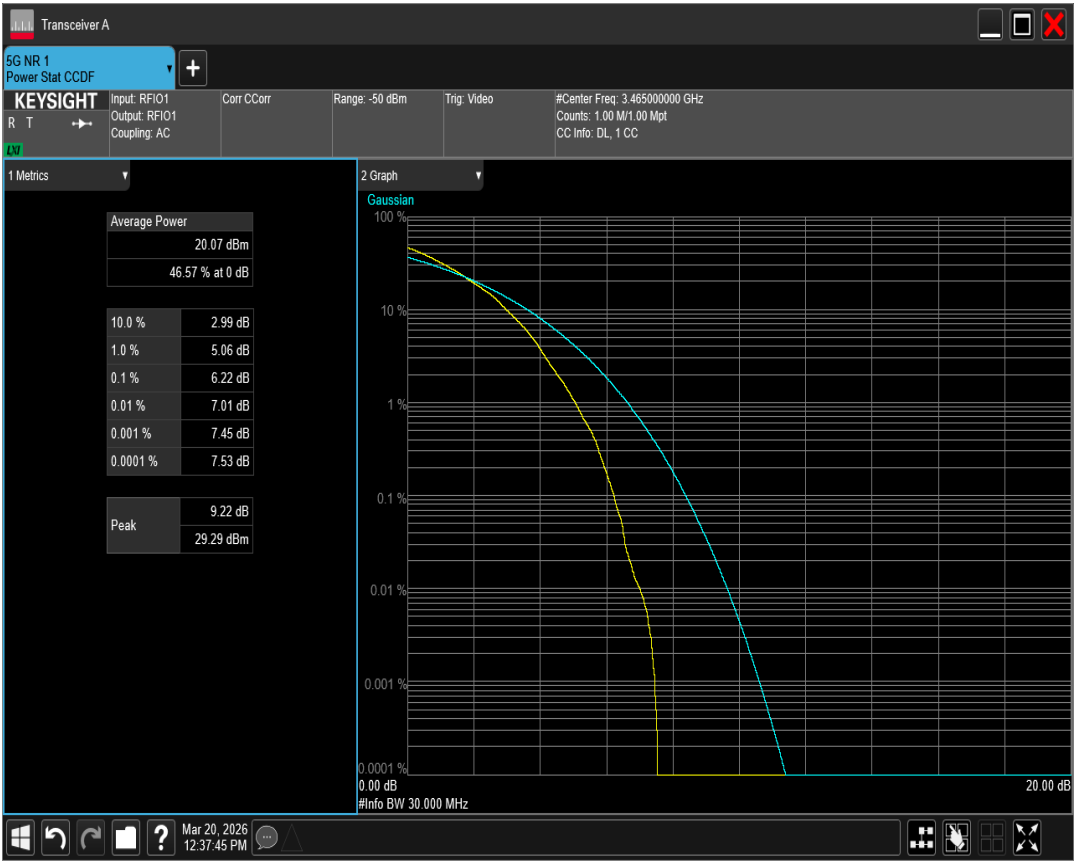




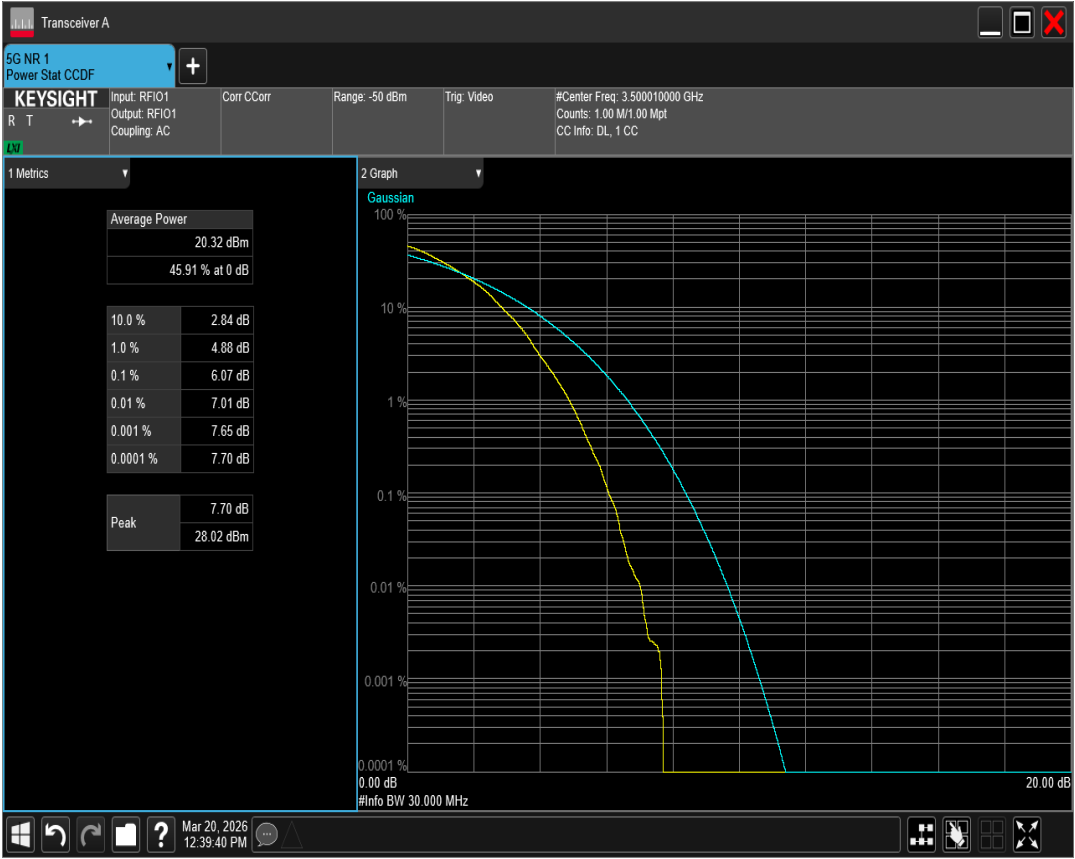
*n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=30MHz Channel=635666 RB=75@0*



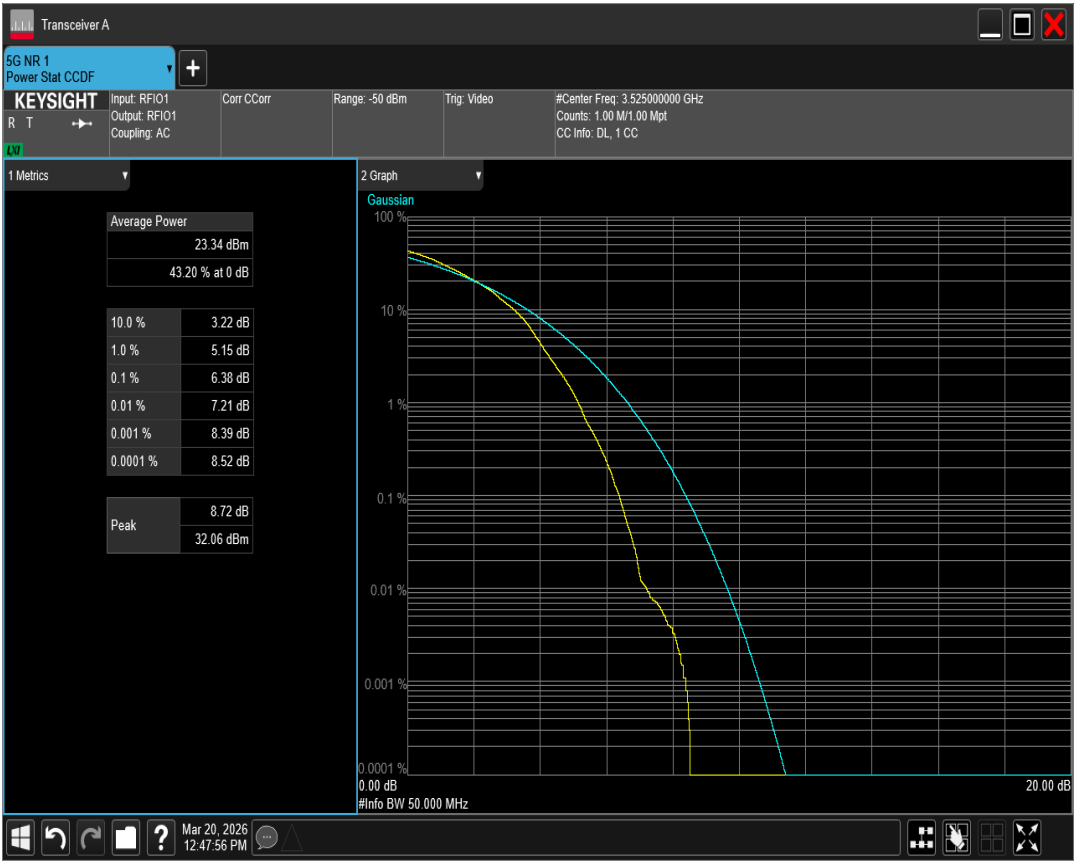
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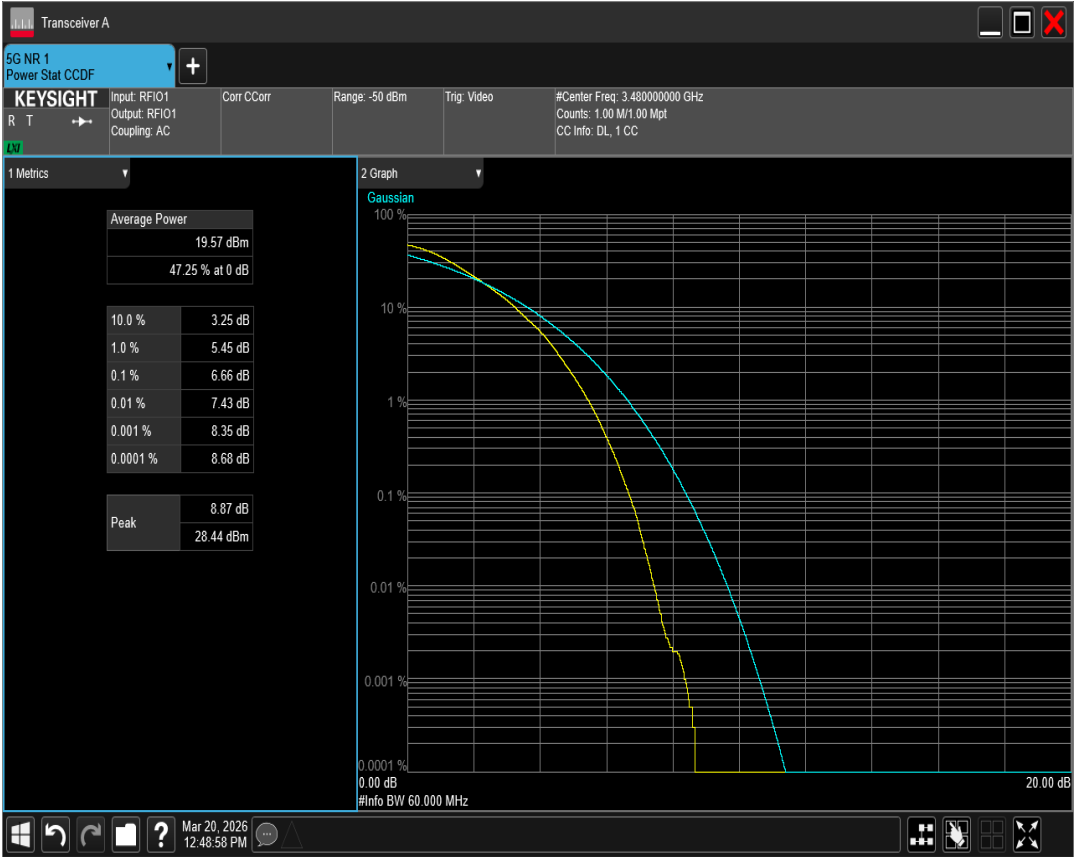
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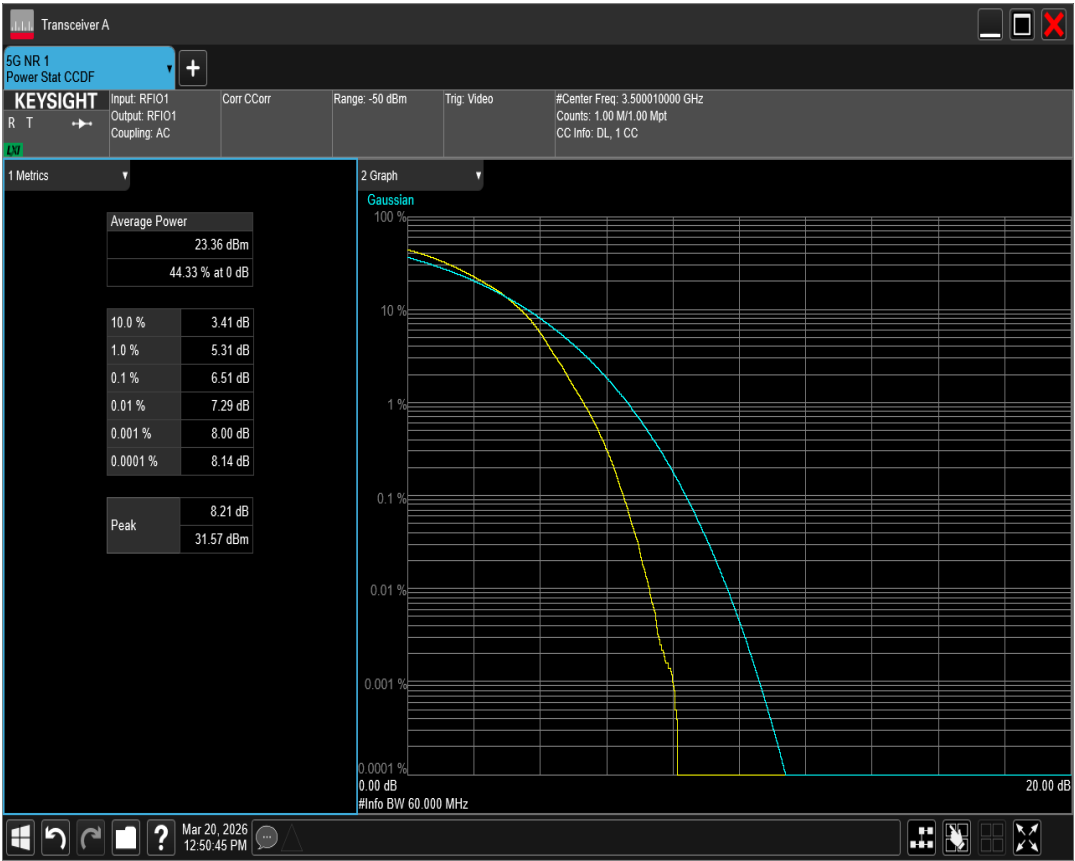
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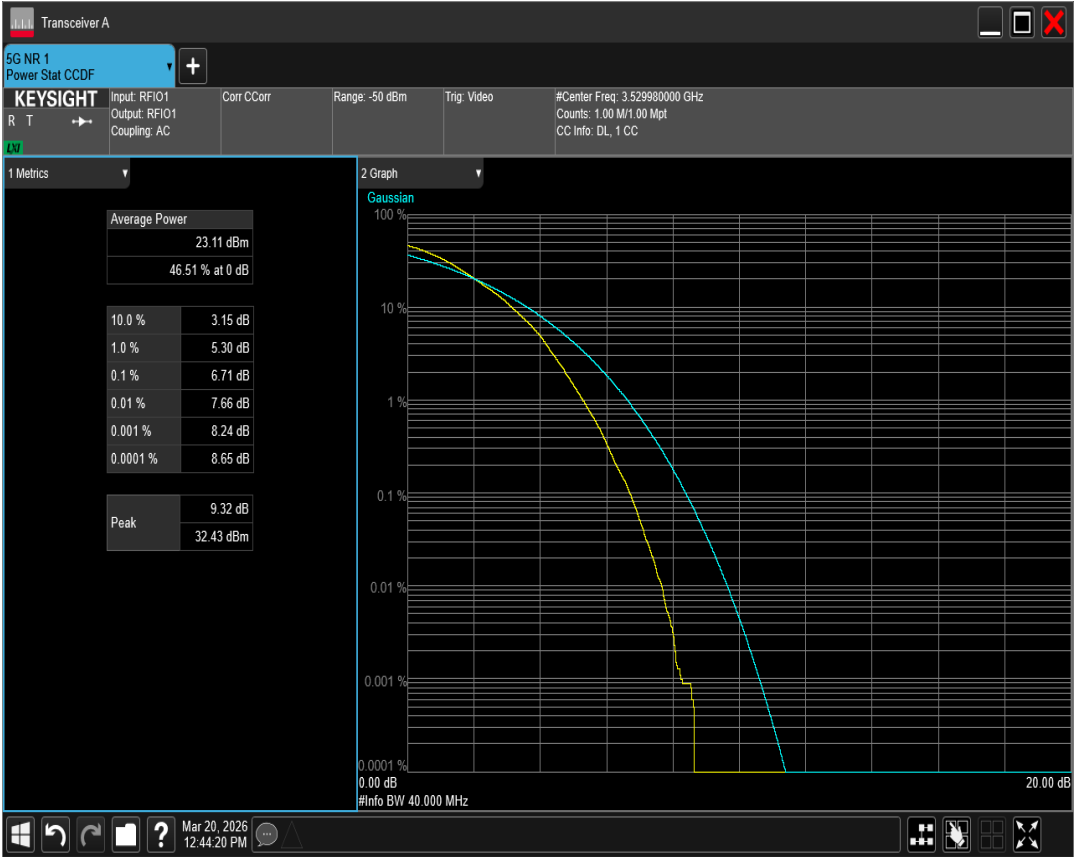
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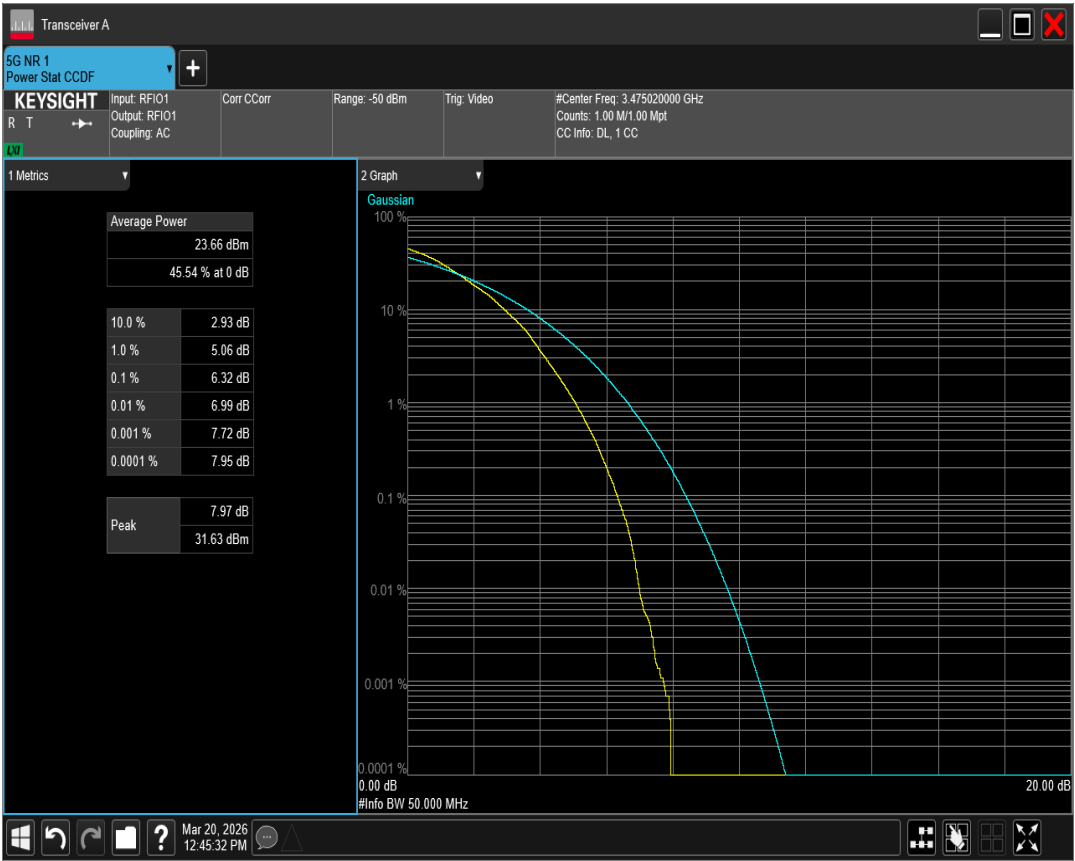
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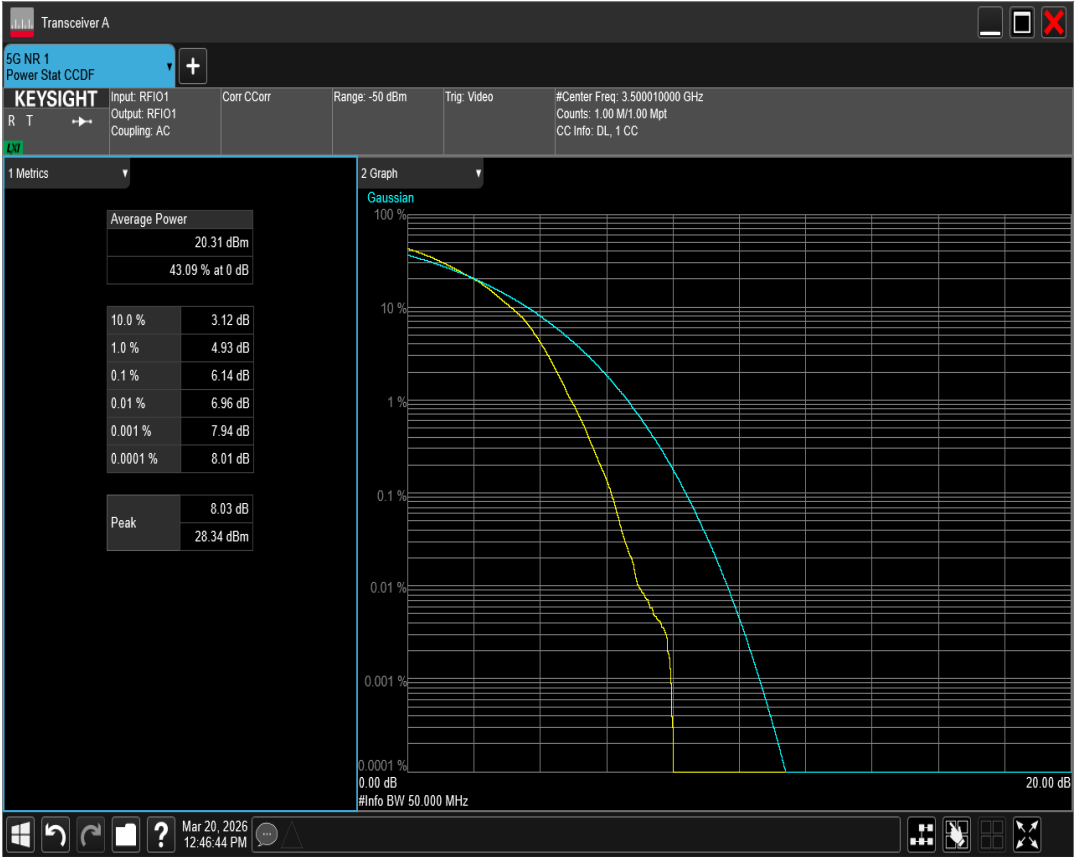
*n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=40MHz Channel=635332 RB=100@0*



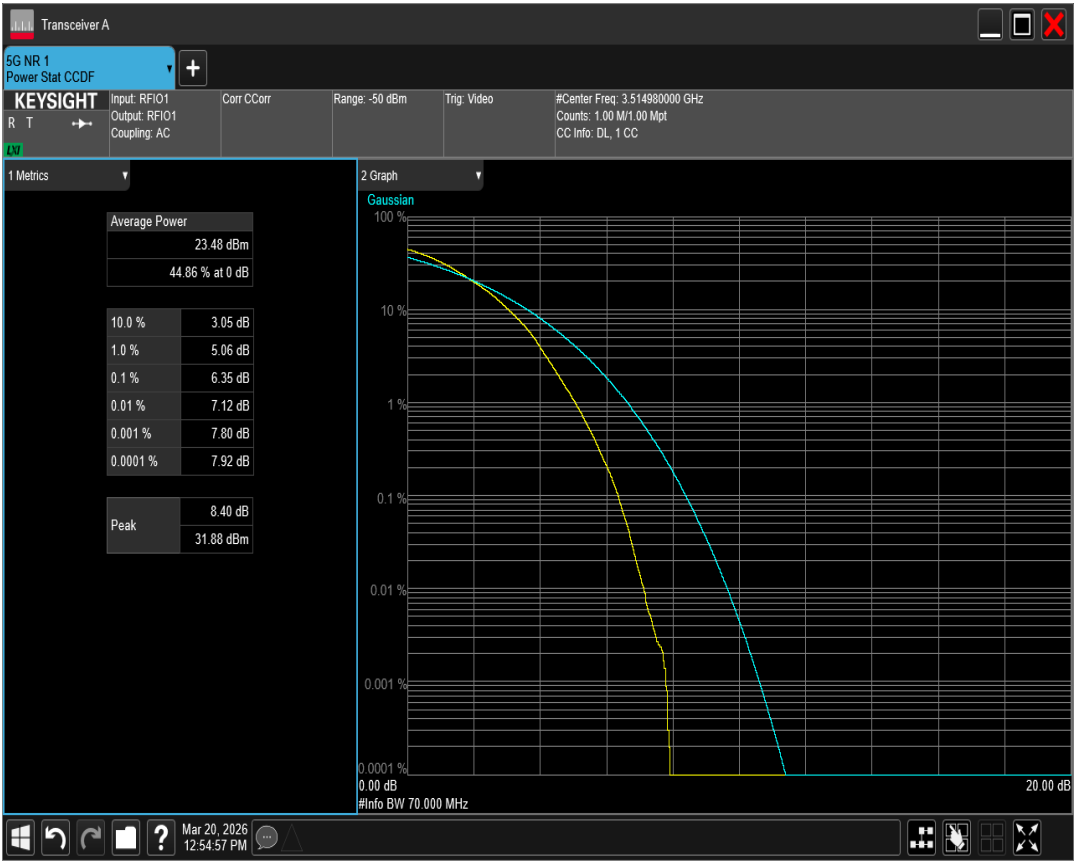
*n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=50MHz Channel=631668 RB=128@0*



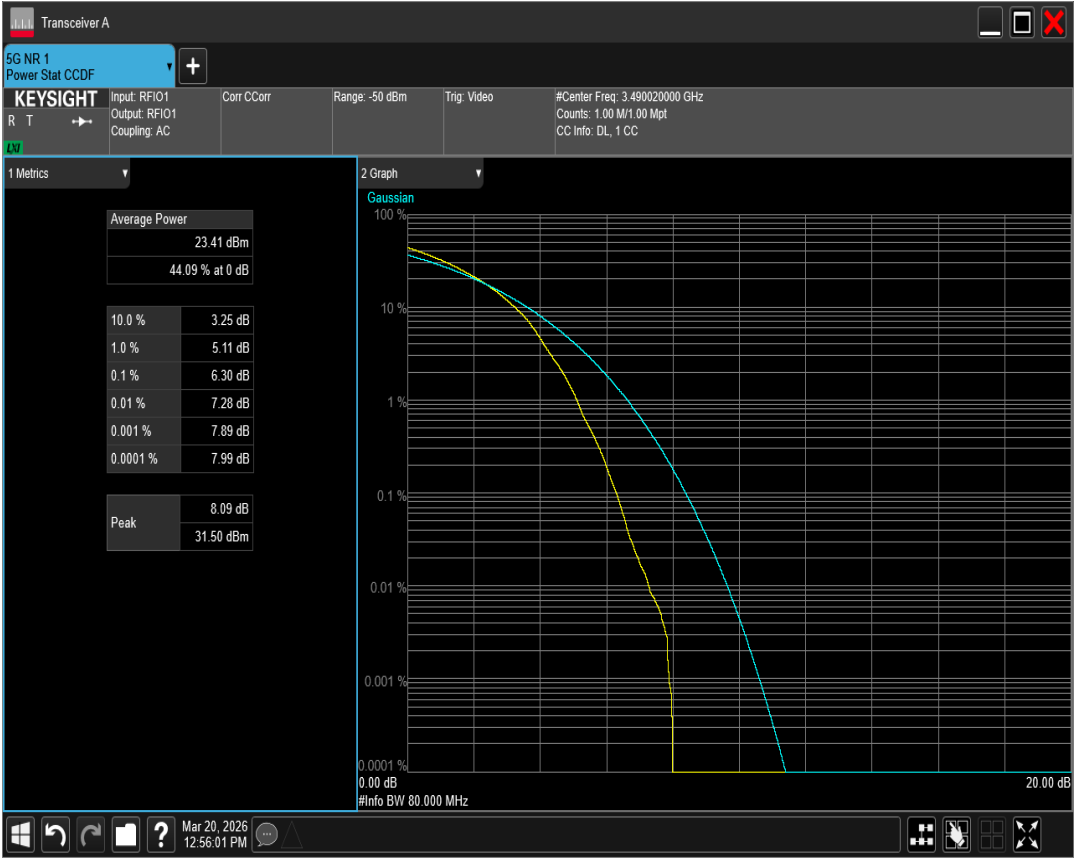
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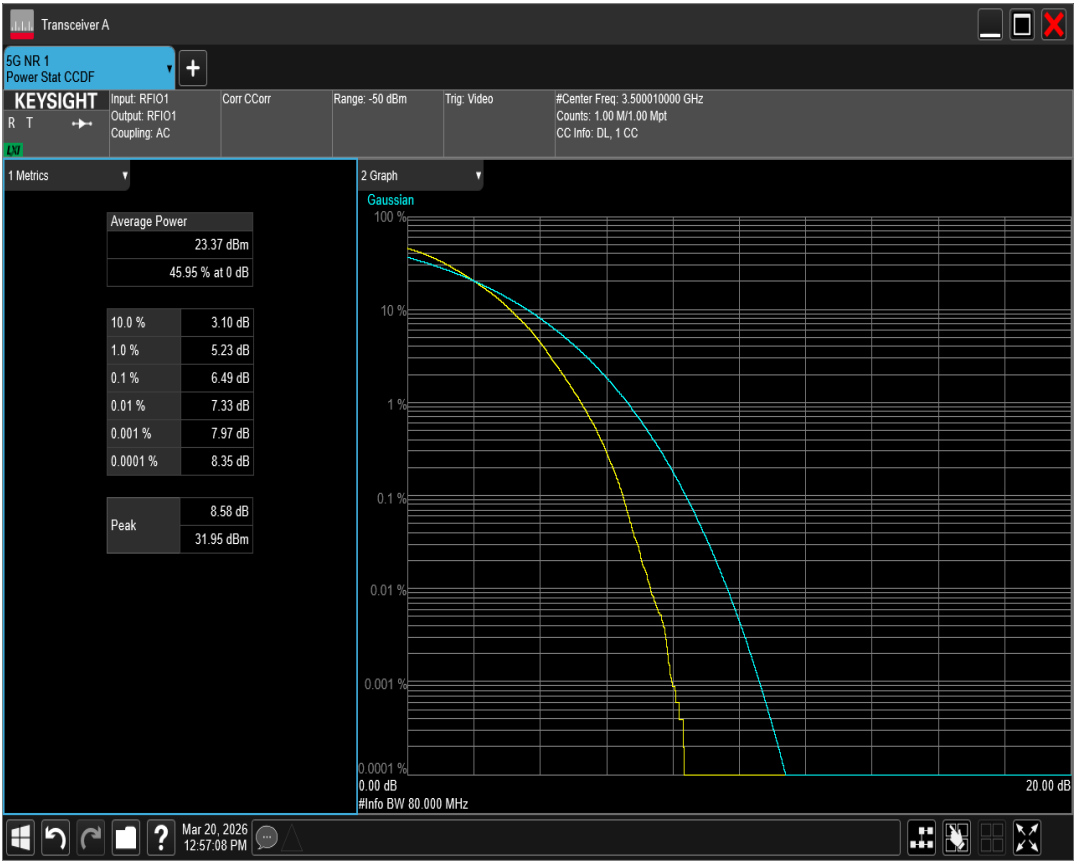
*n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=70MHz Channel=634332 RB=180@0*



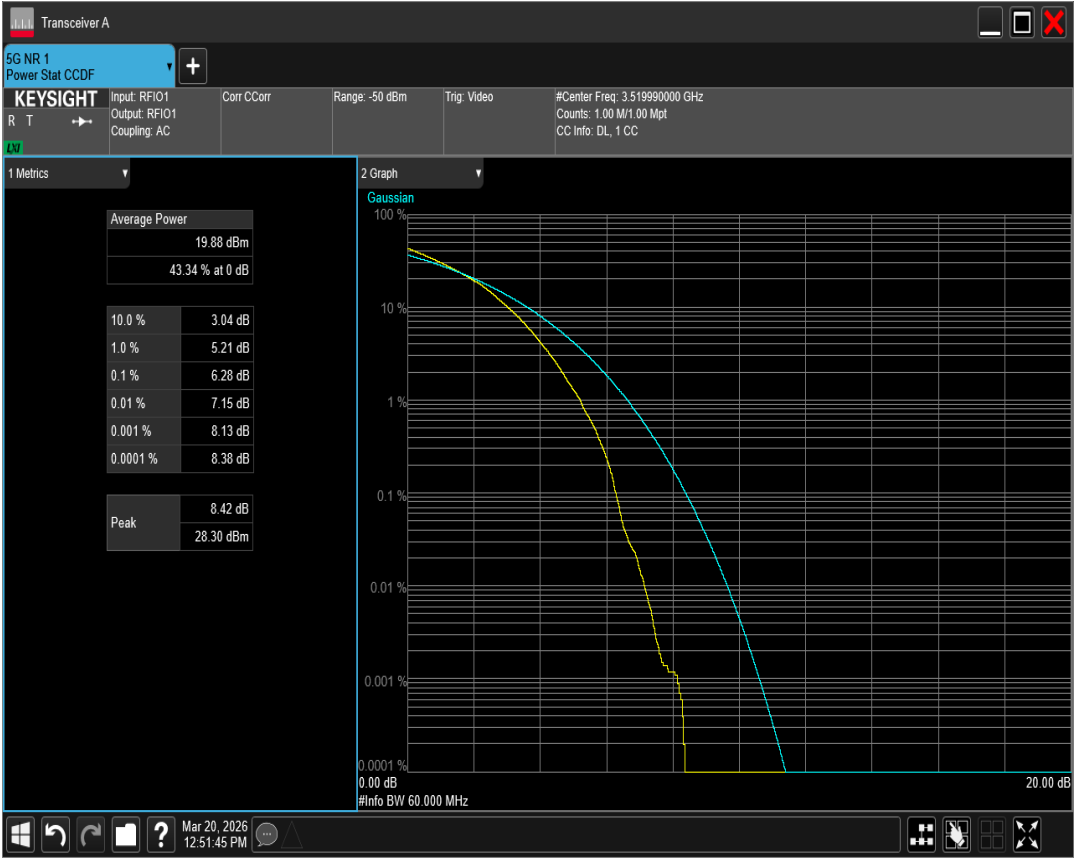
*n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=80MHz Channel=632668 RB=216@0*



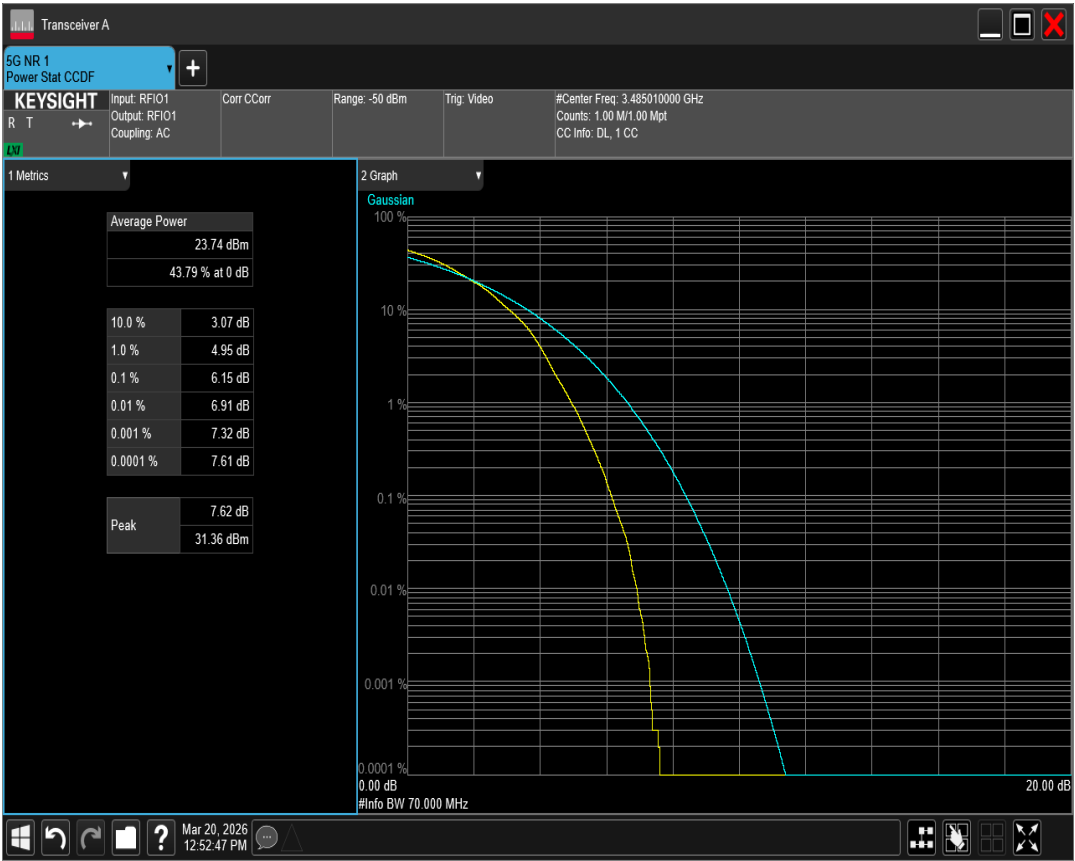
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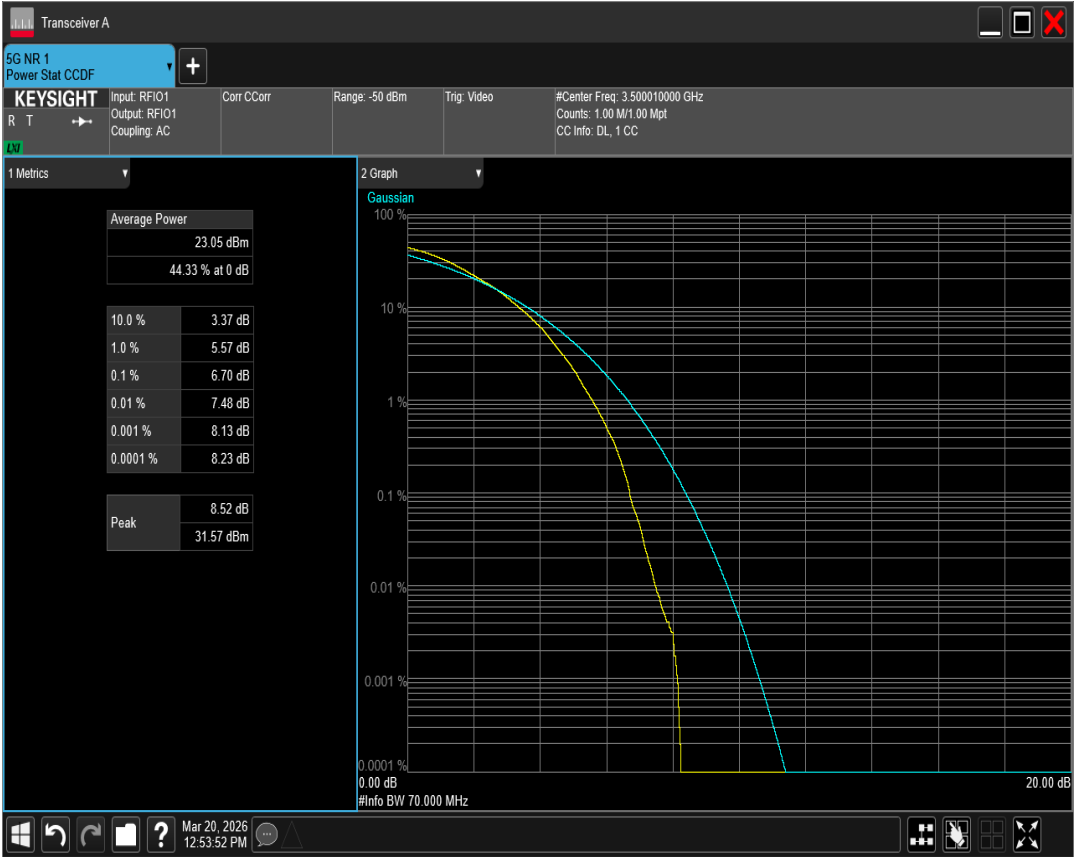
*n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=60MHz Channel=634666 RB=162@0*



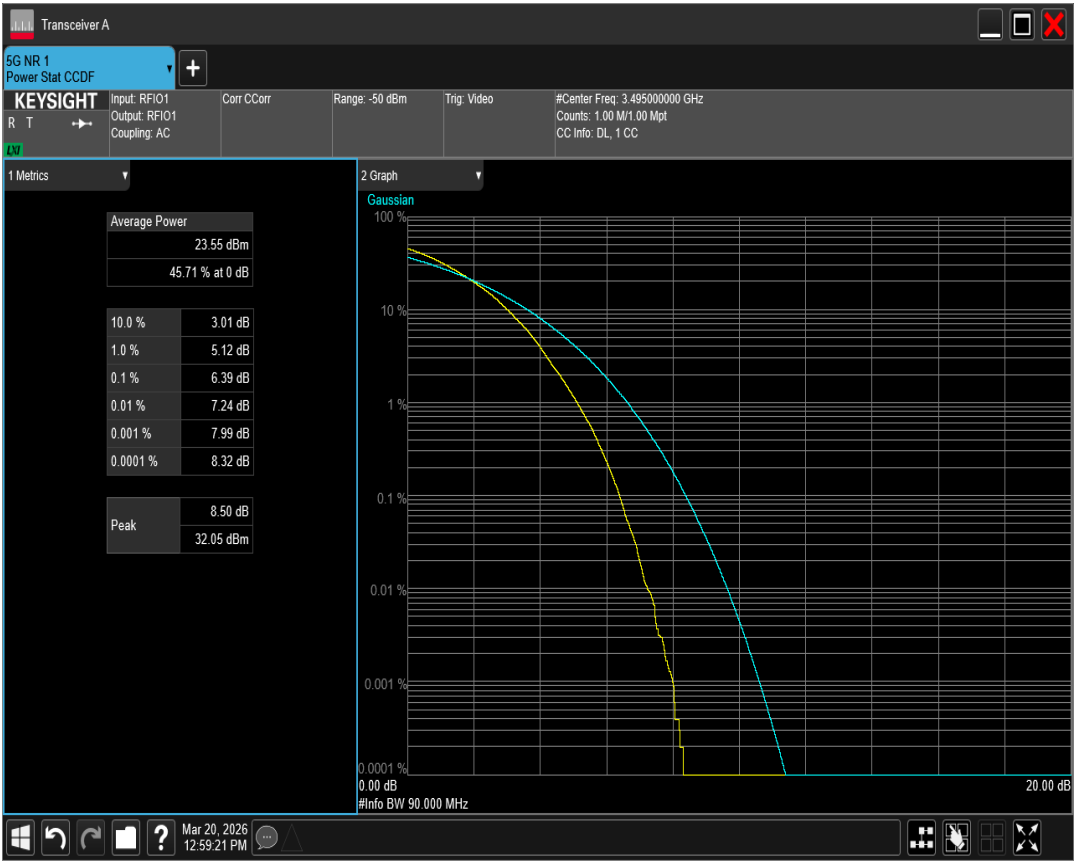
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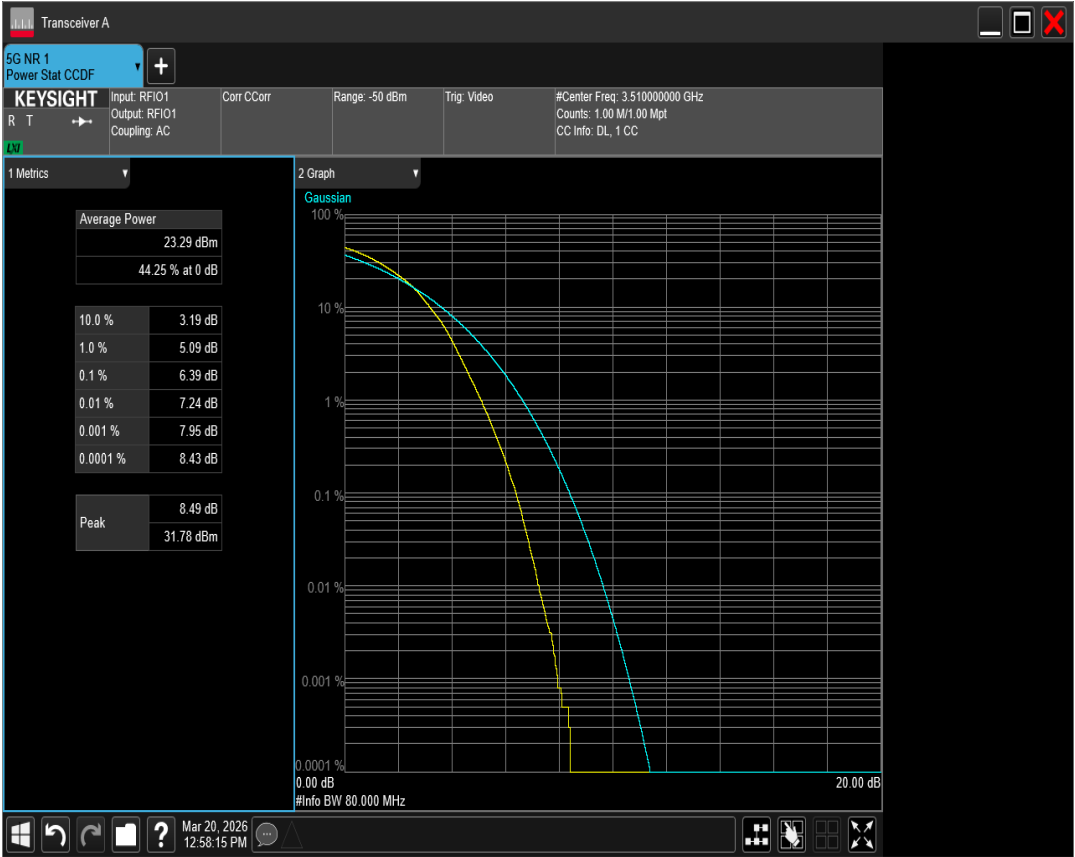
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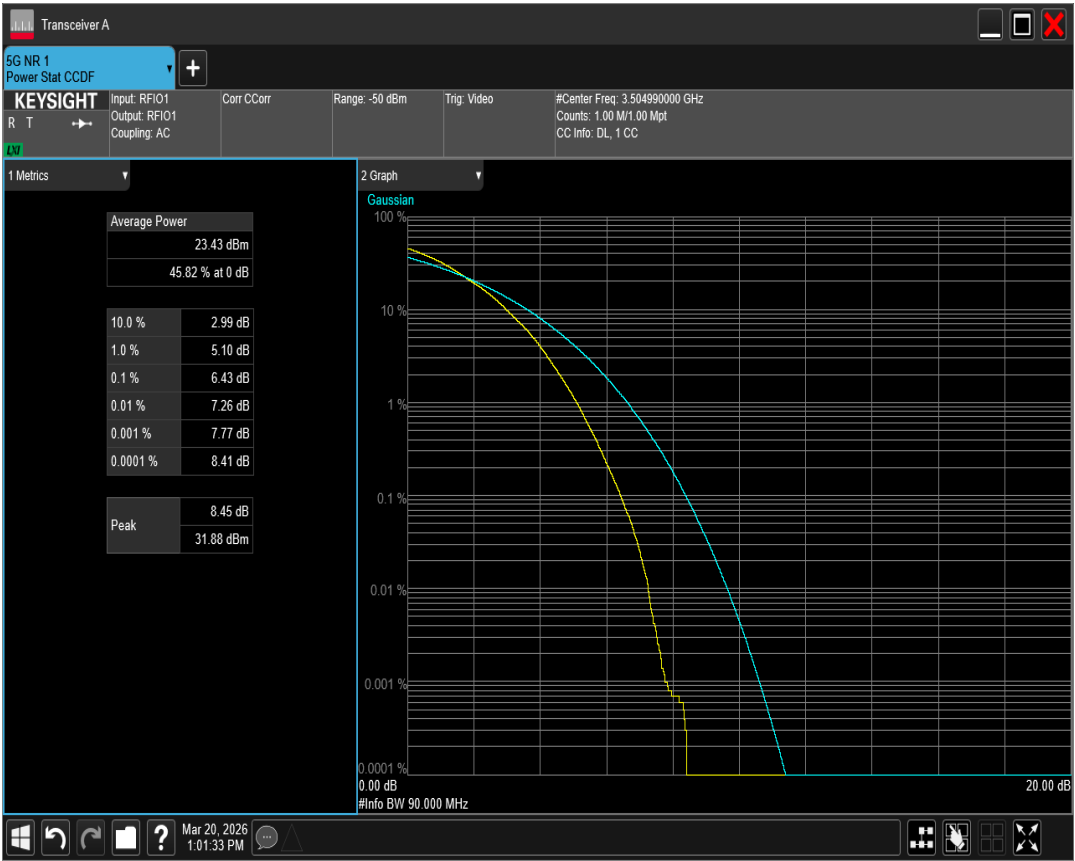
*n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=90MHz Channel=633000 RB=240@0*



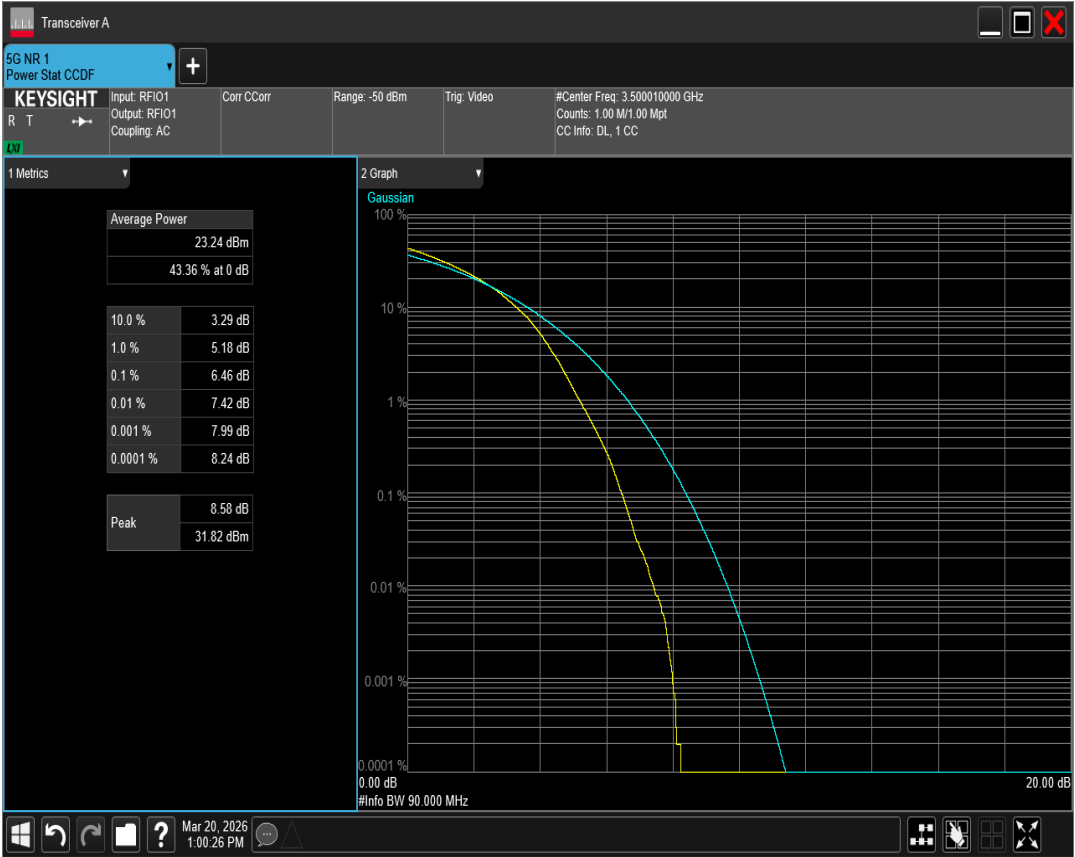
*n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=80MHz Channel=634000 RB=216@0*



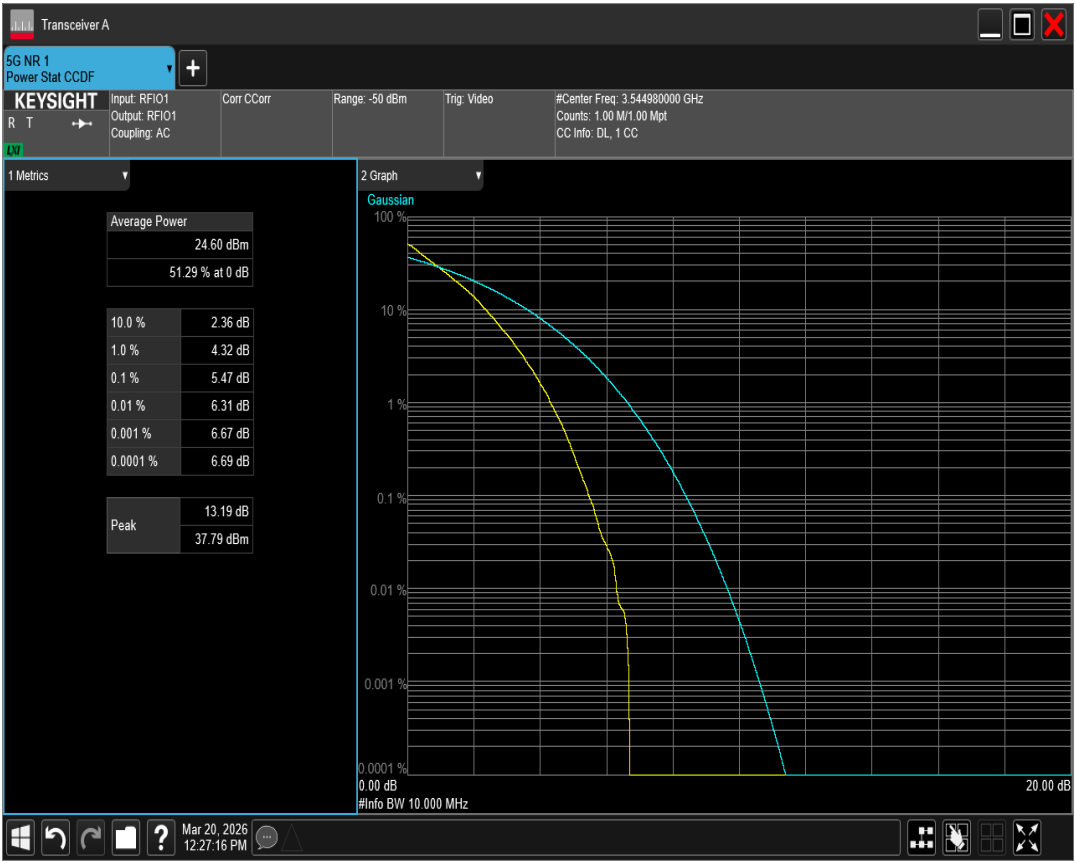
*n78(3450-3550) SCS=30kHz DFT\_QAM64 BW=90MHz Channel=633666 RB=240@0*



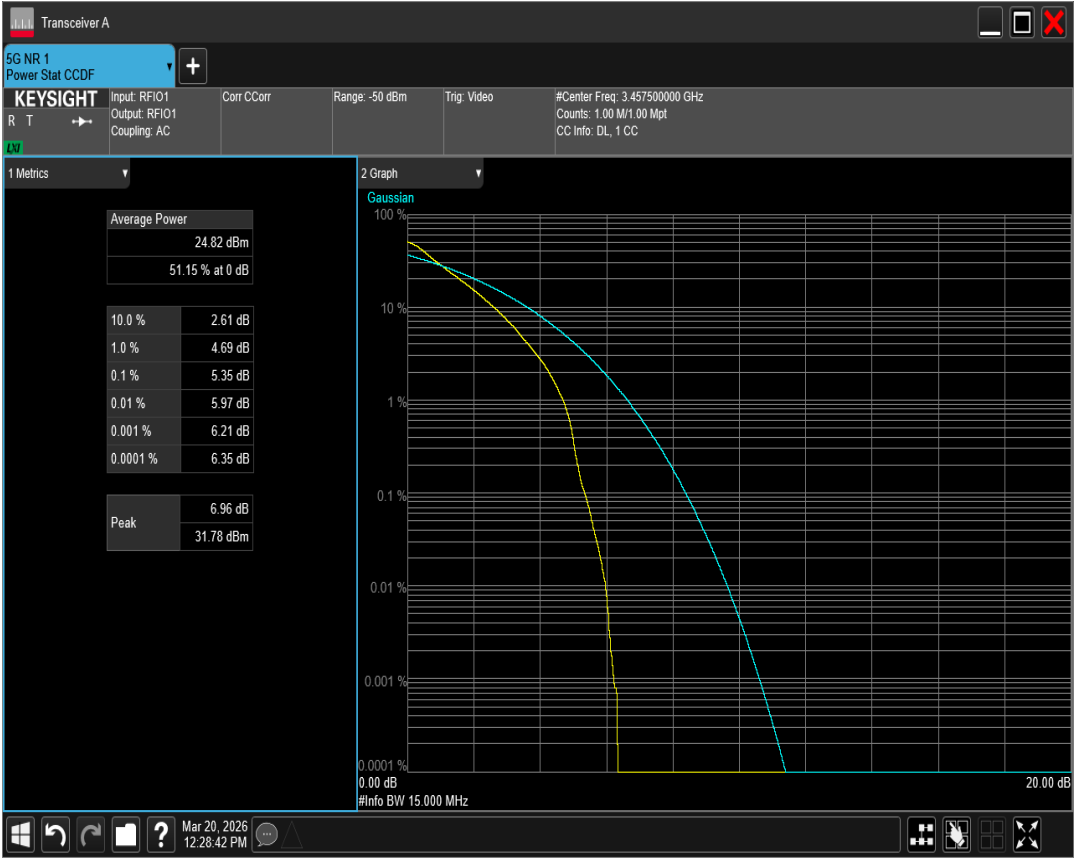
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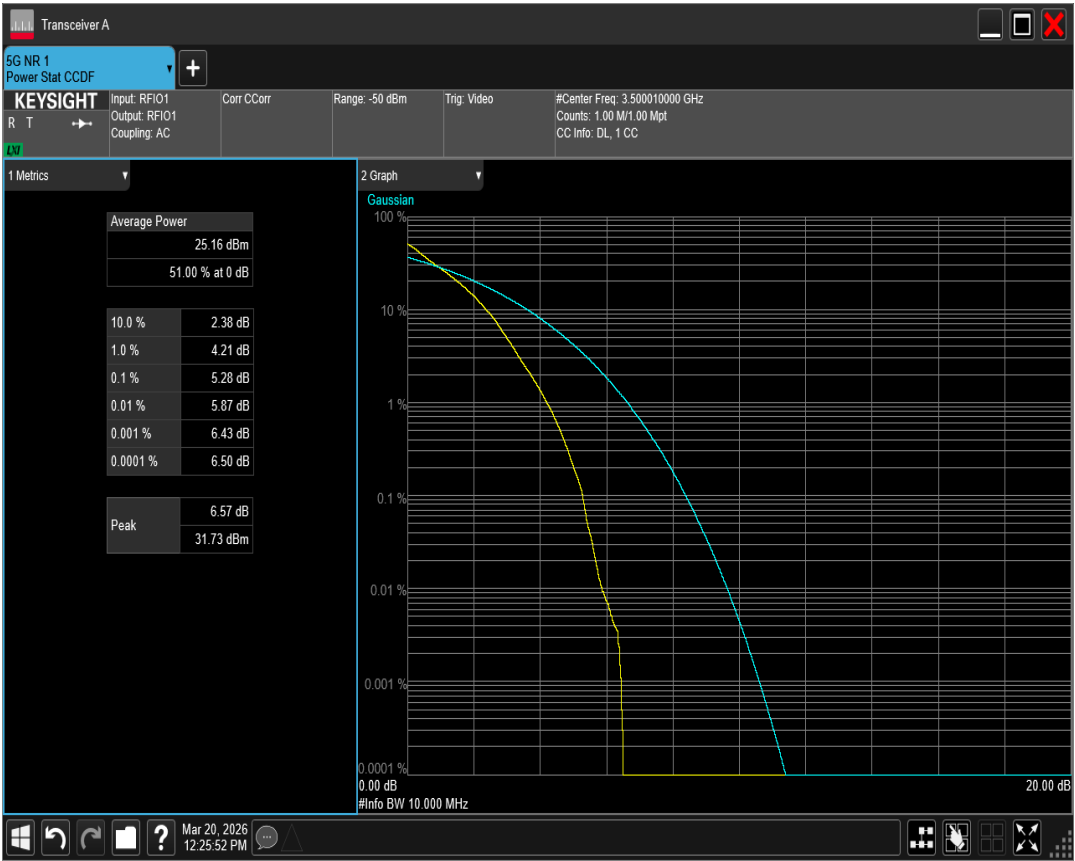
*n78(3450-3550) SCS=30kHz DFT\_QPSK BW=10MHz Channel=636332 RB=24@0*



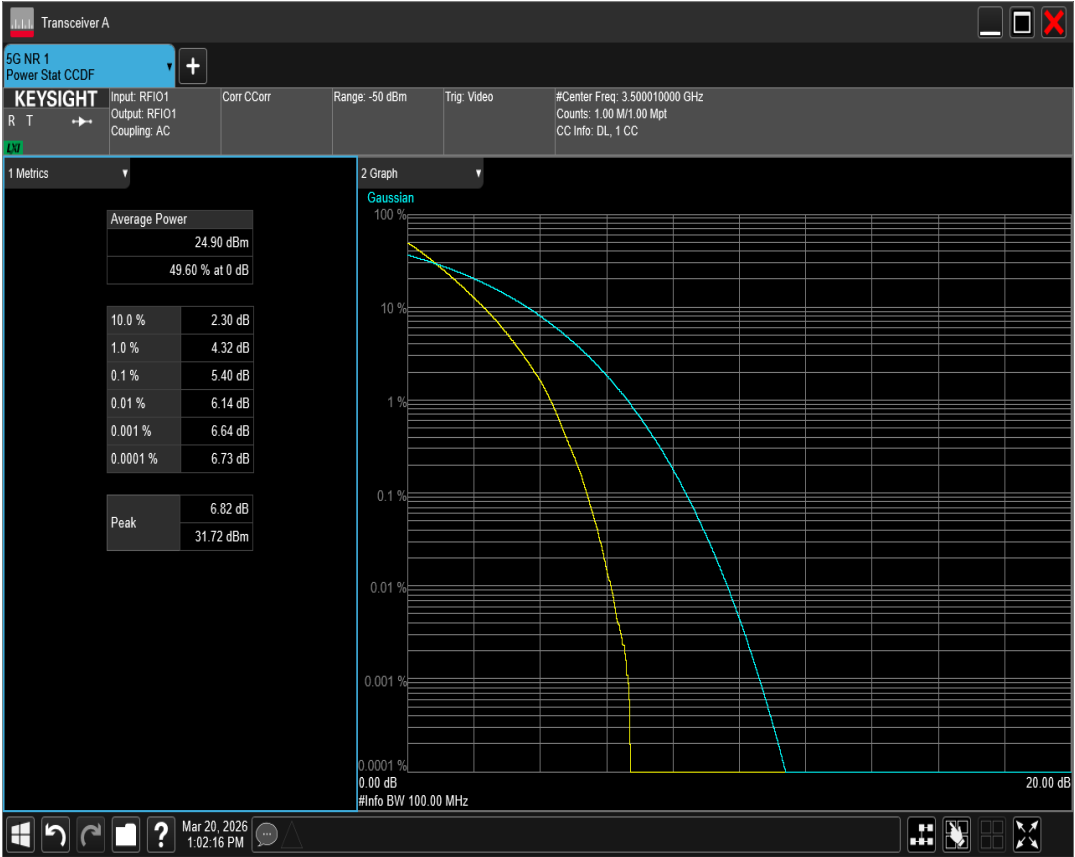
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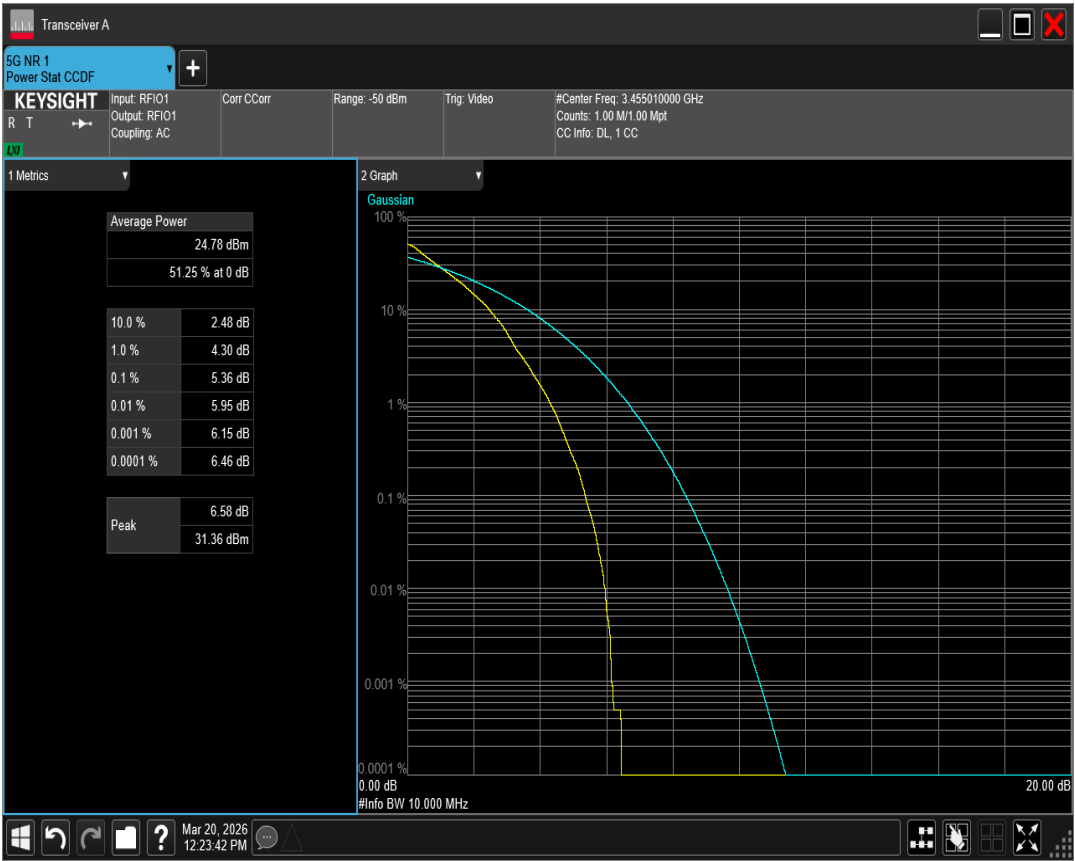
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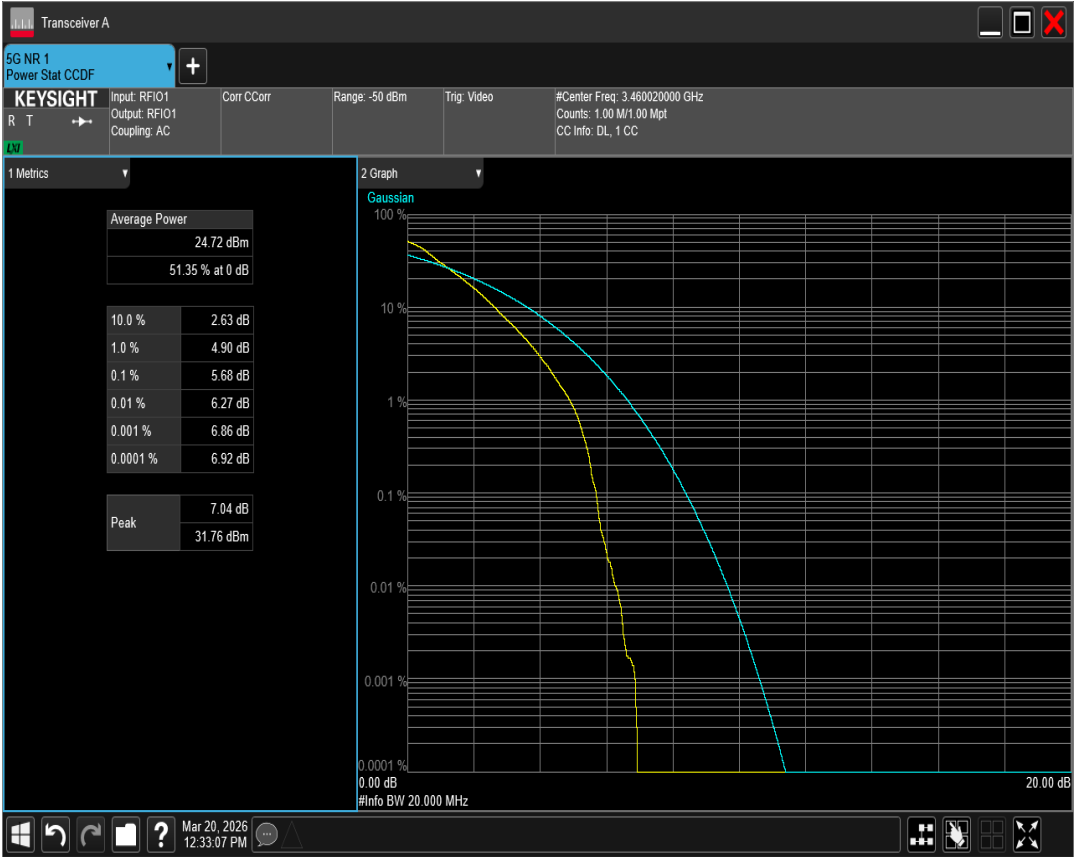
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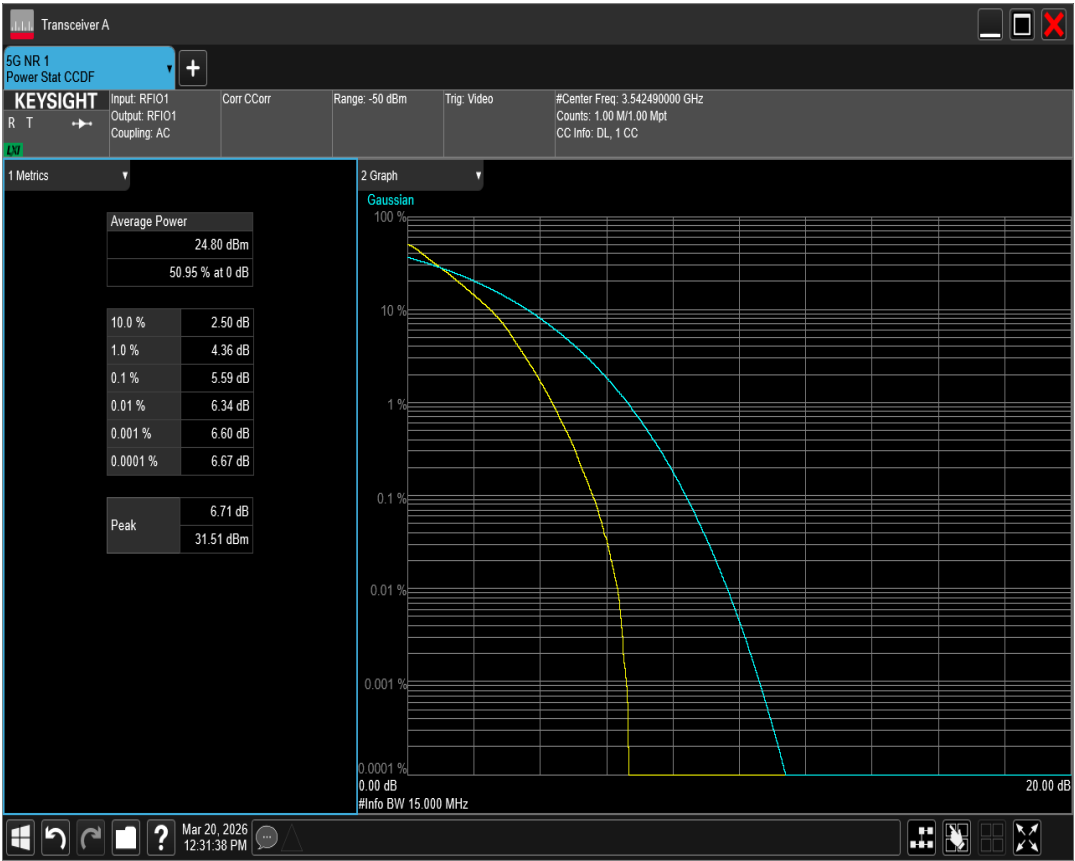
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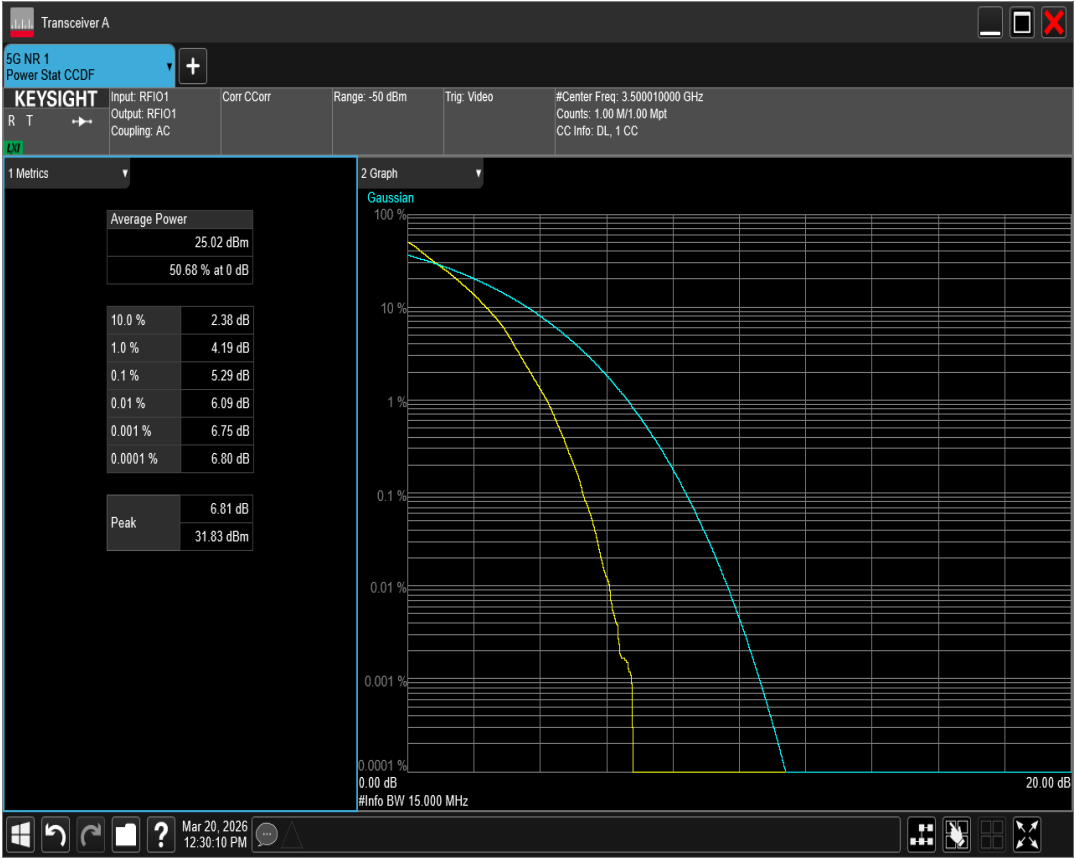
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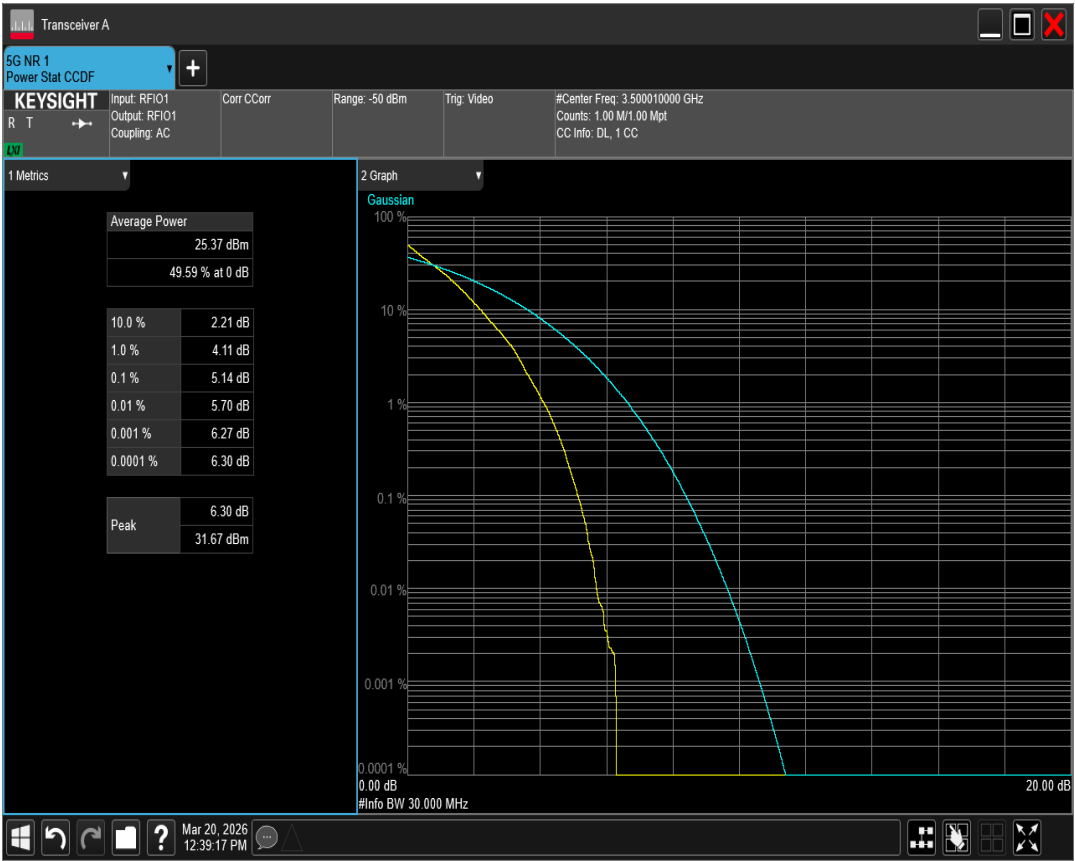
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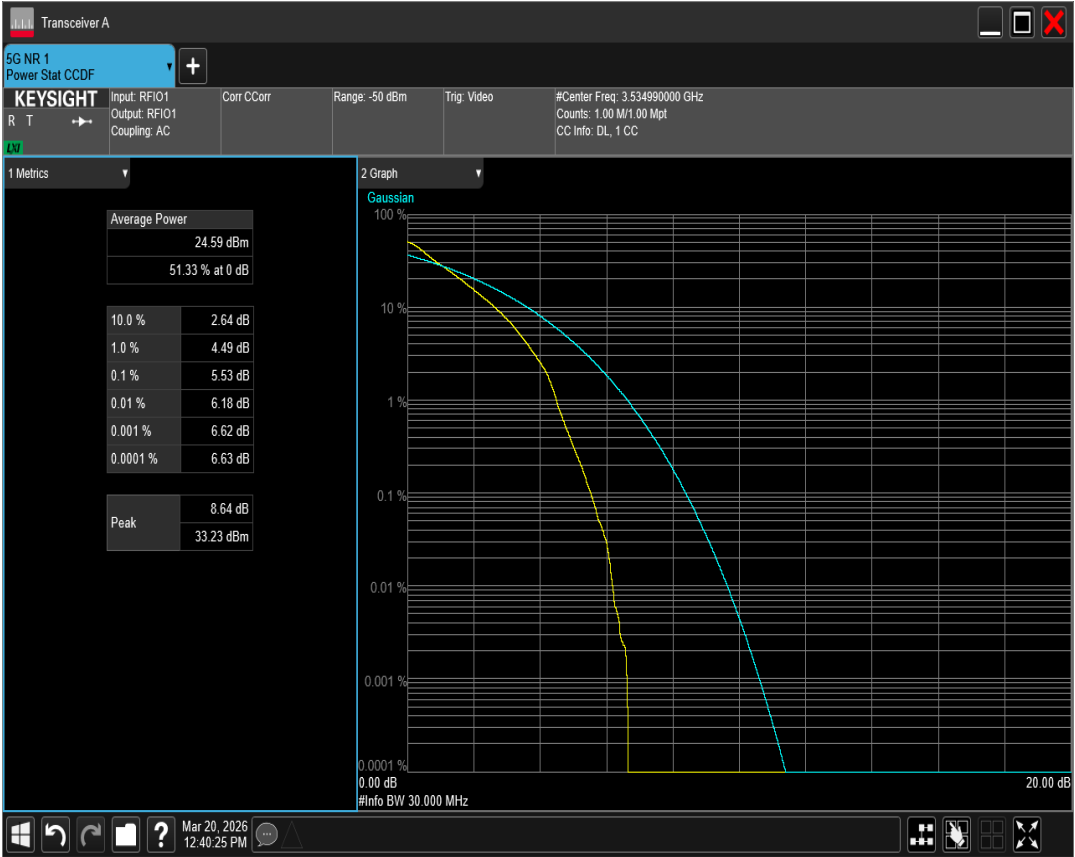
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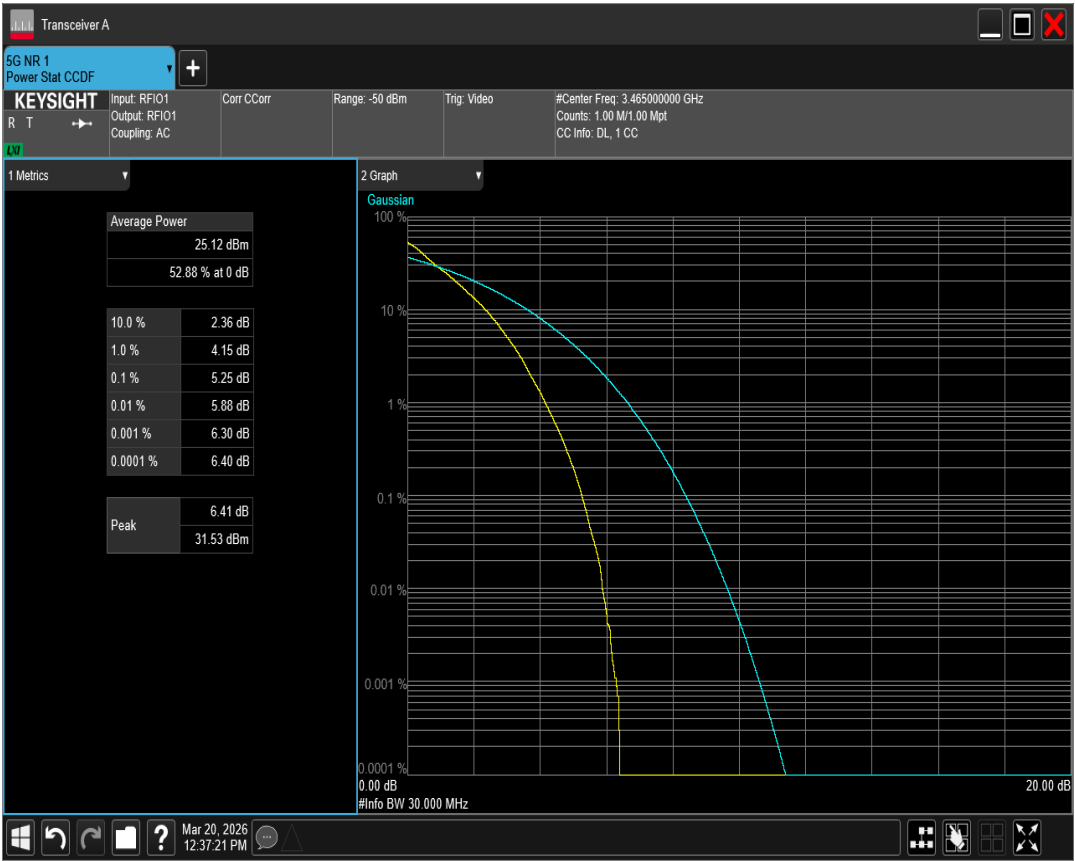
*n78(3450-3550) SCS=30kHz DFT\_QPSK BW=30MHz Channel=633334 RB=75@0*



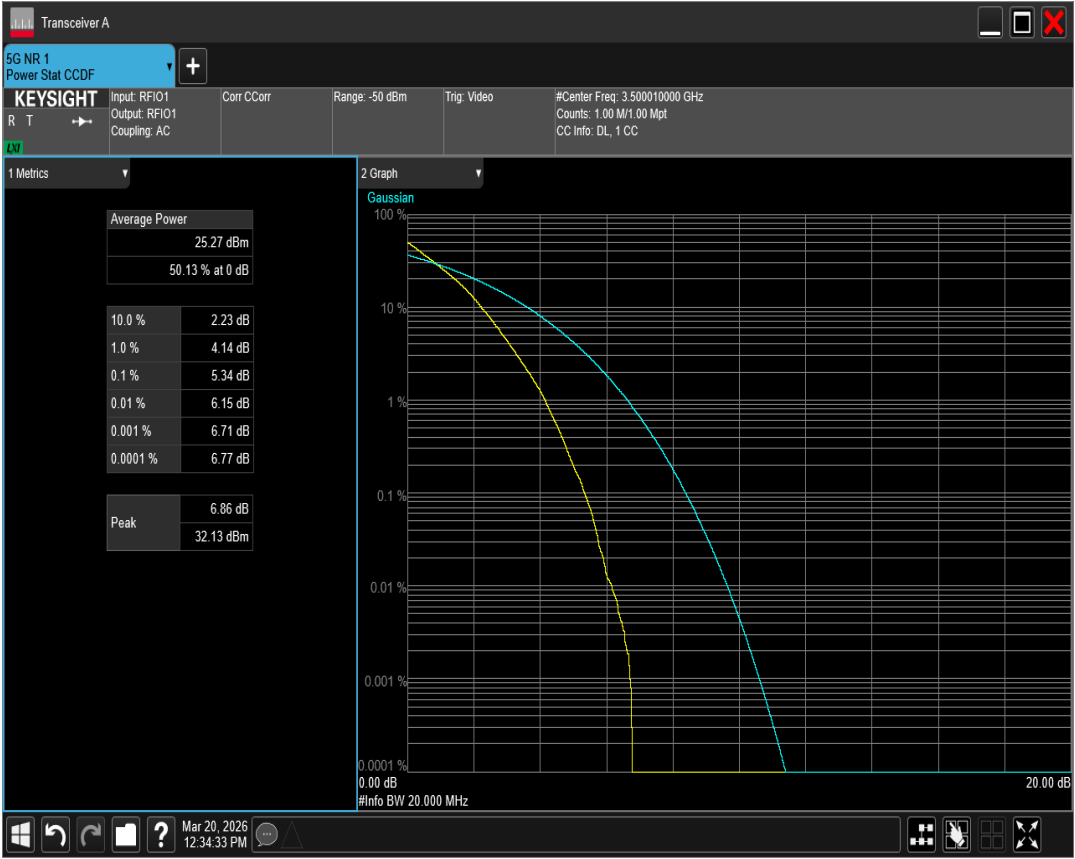
*n78(3450-3550) SCS=30kHz DFT\_QPSK BW=30MHz Channel=635666 RB=75@0*



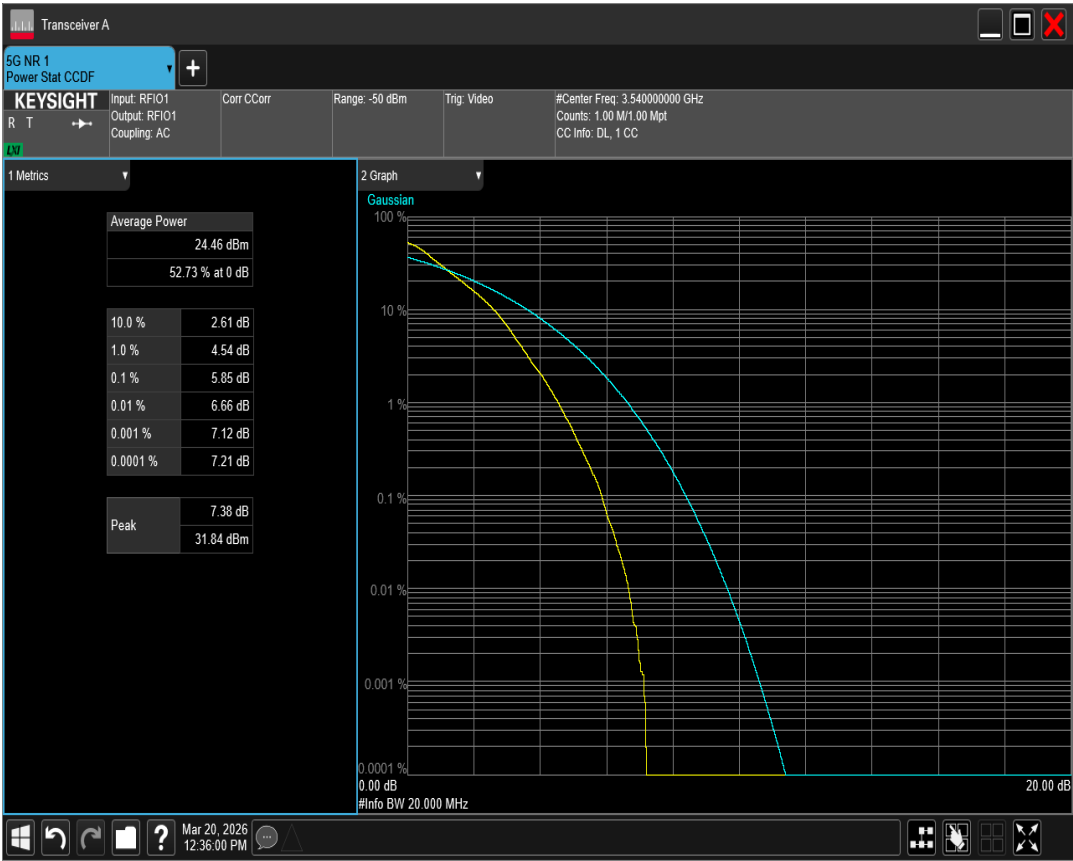
*n78(3450-3550) SCS=30kHz DFT\_QPSK BW=30MHz Channel=631000 RB=75@0*



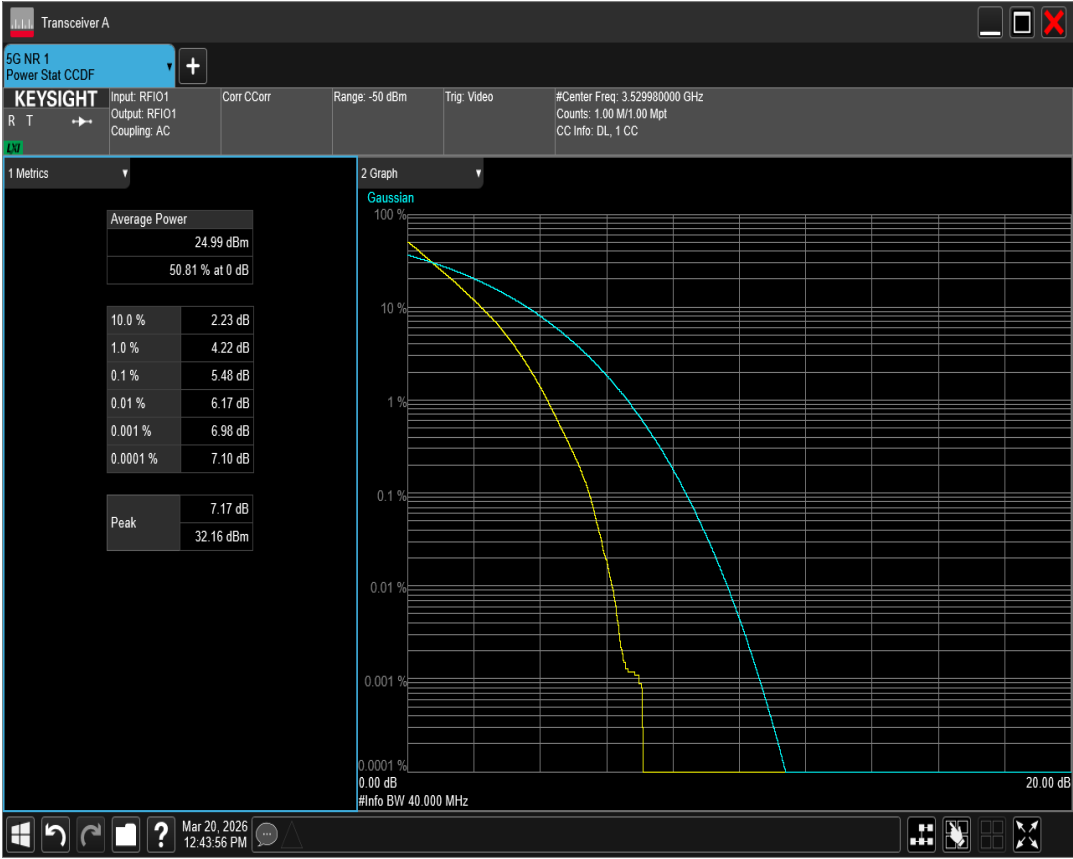
*n78(3450-3550) SCS=30kHz DFT\_QPSK BW=20MHz Channel=633334 RB=50@0*



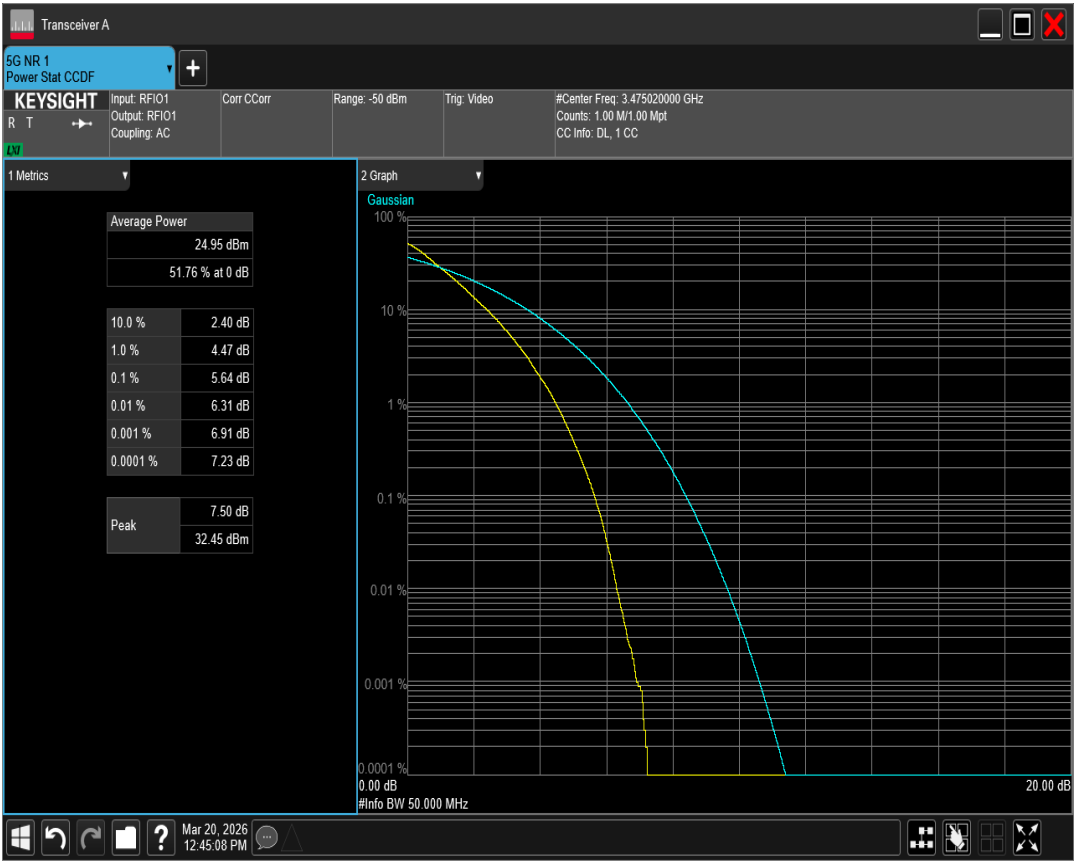
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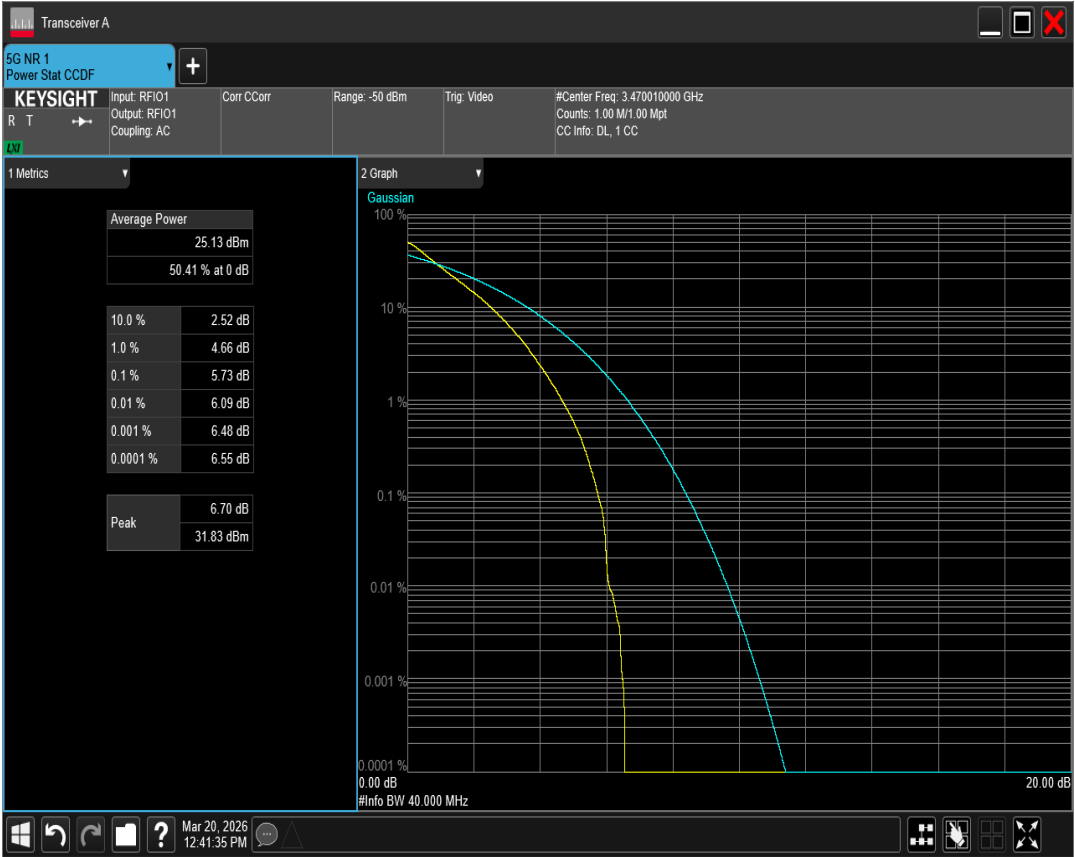
*n78(3450-3550) SCS=30kHz DFT\_QPSK BW=40MHz Channel=635332 RB=100@0*



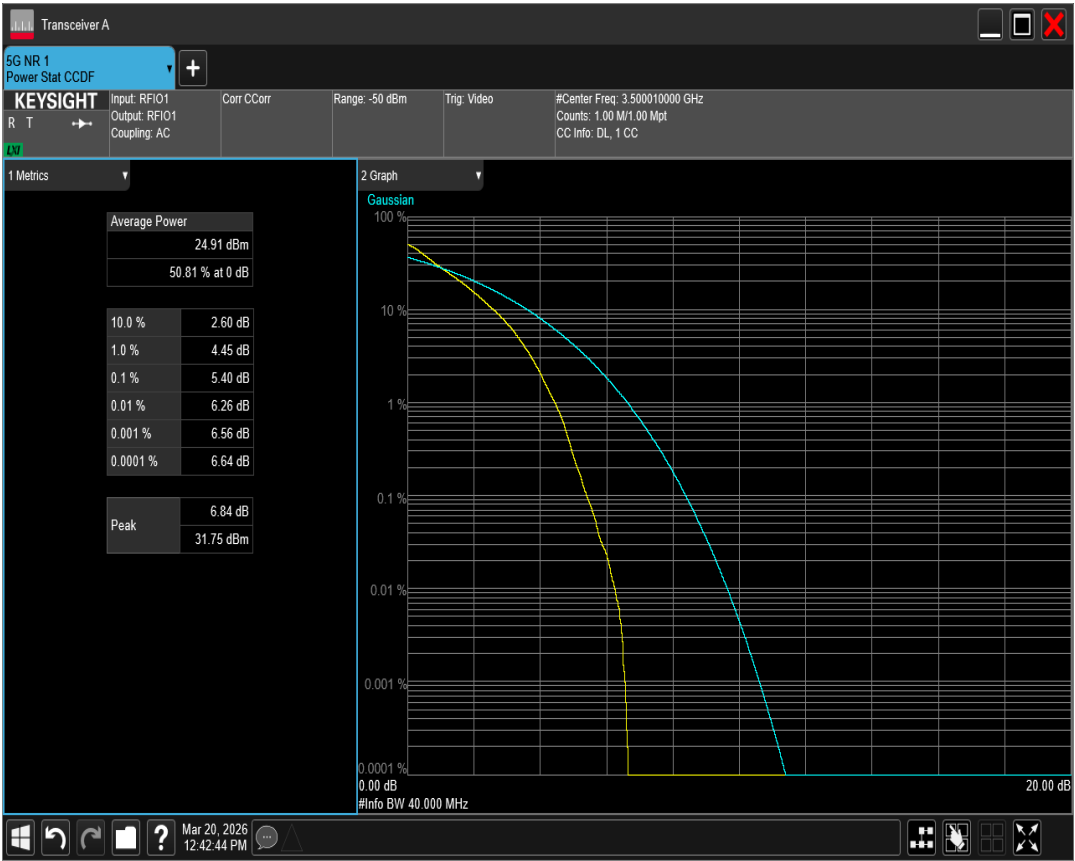
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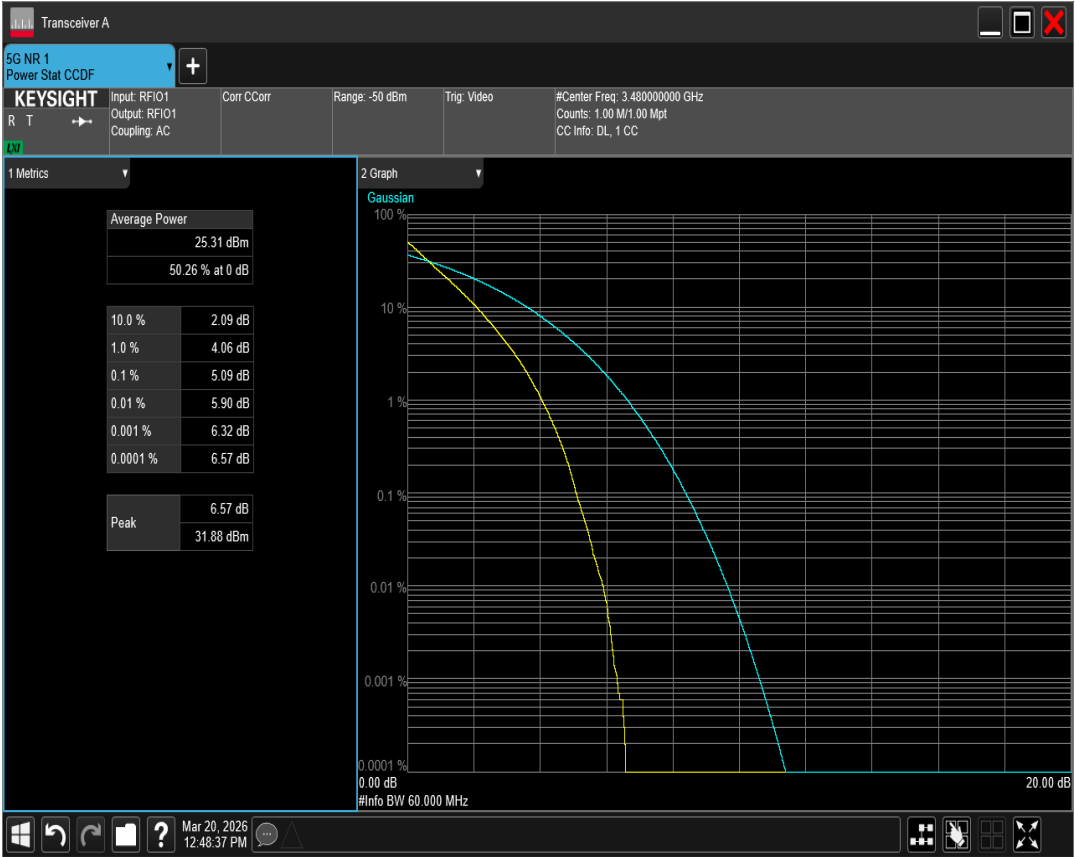
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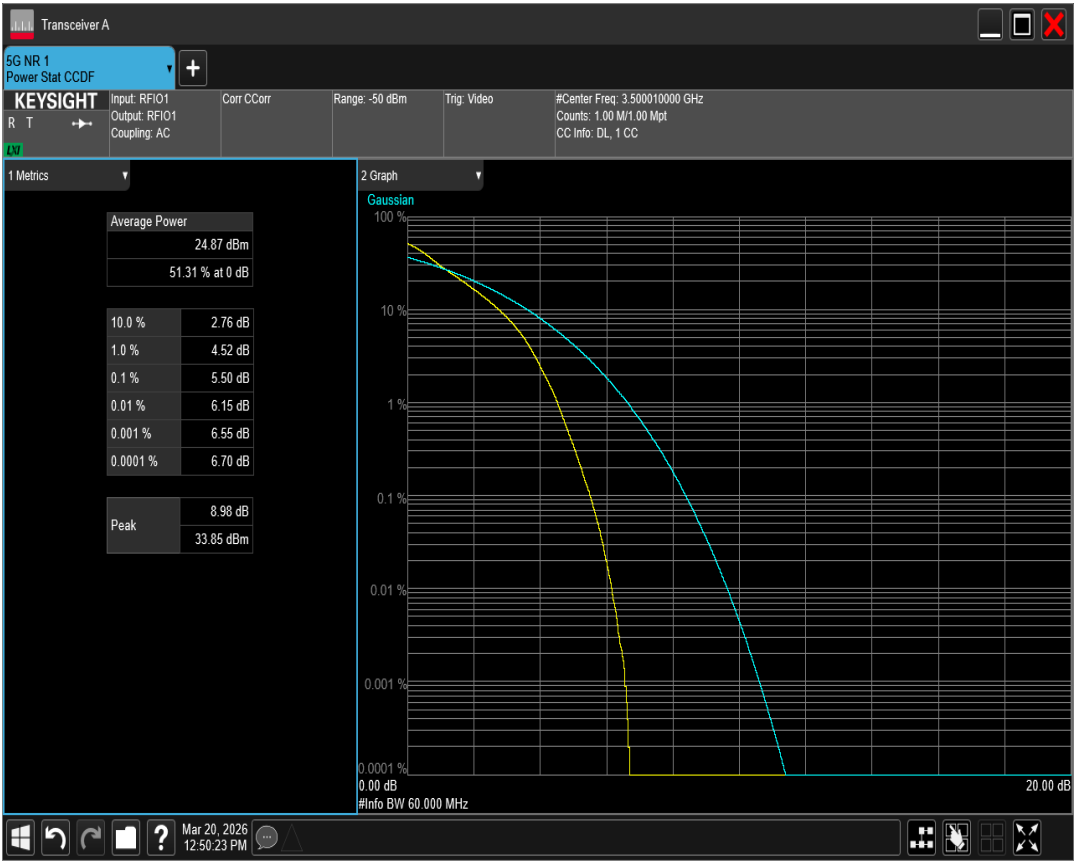
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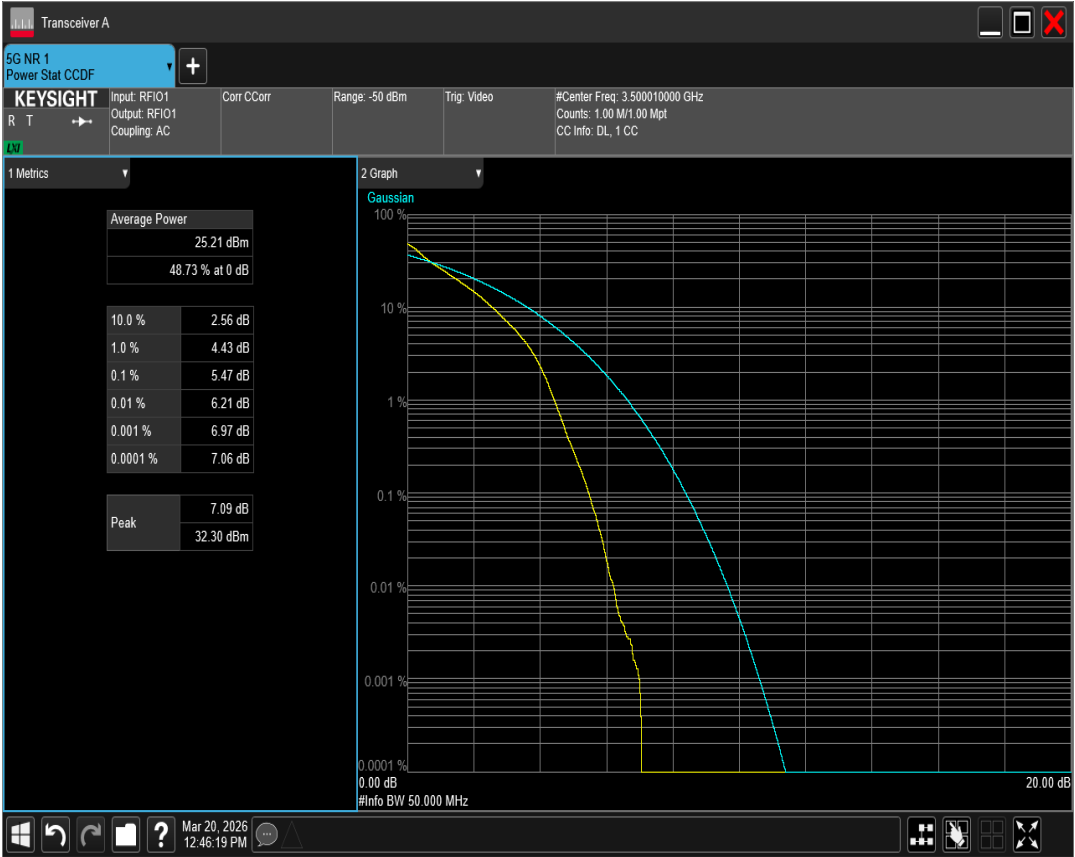
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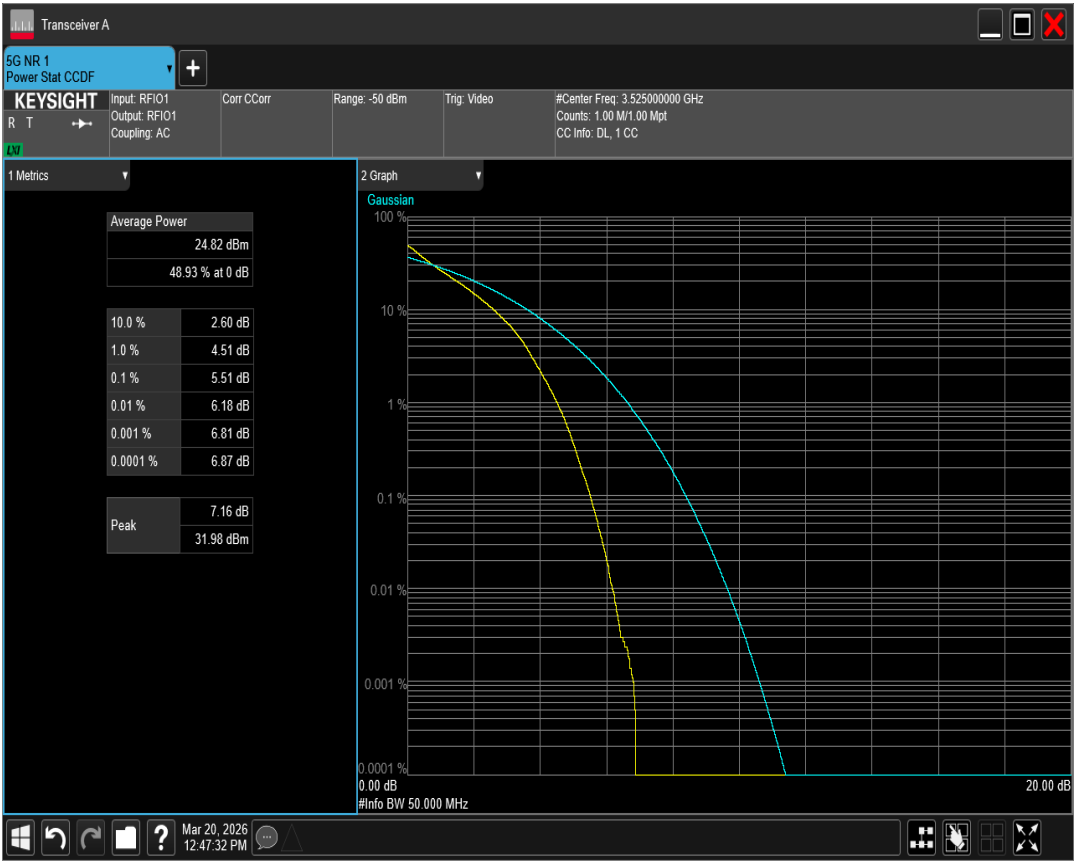
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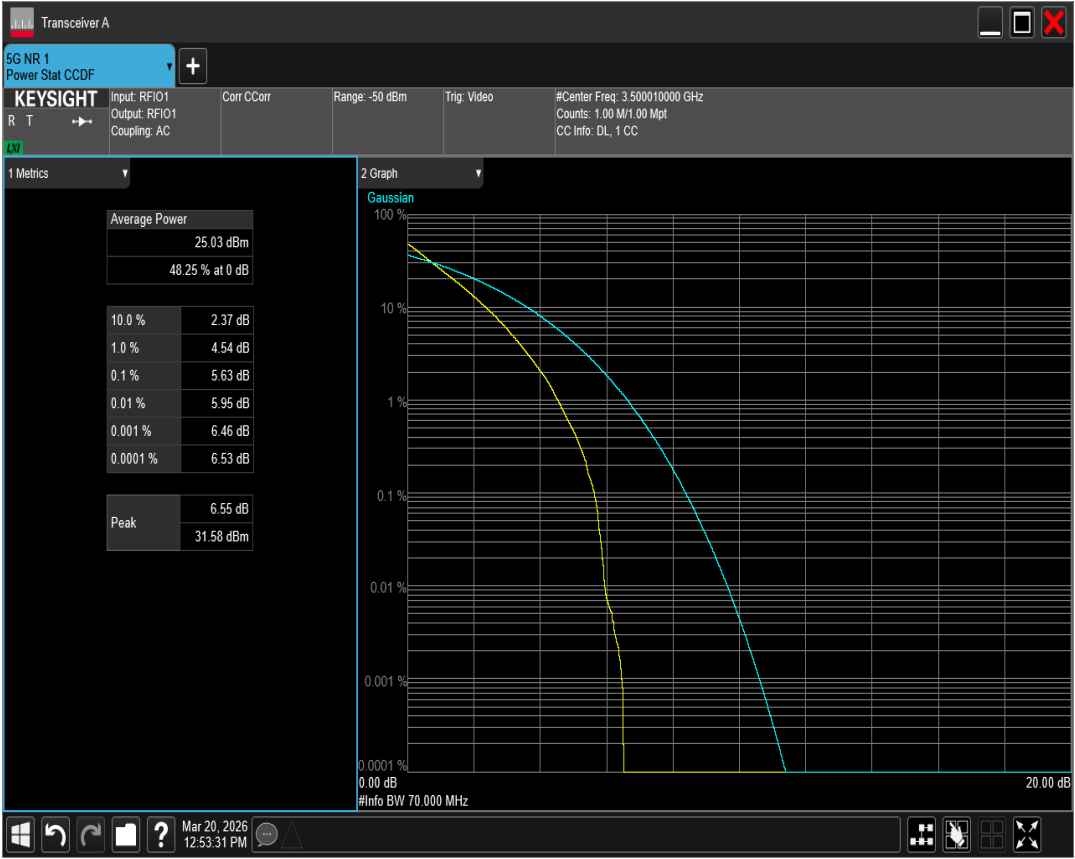
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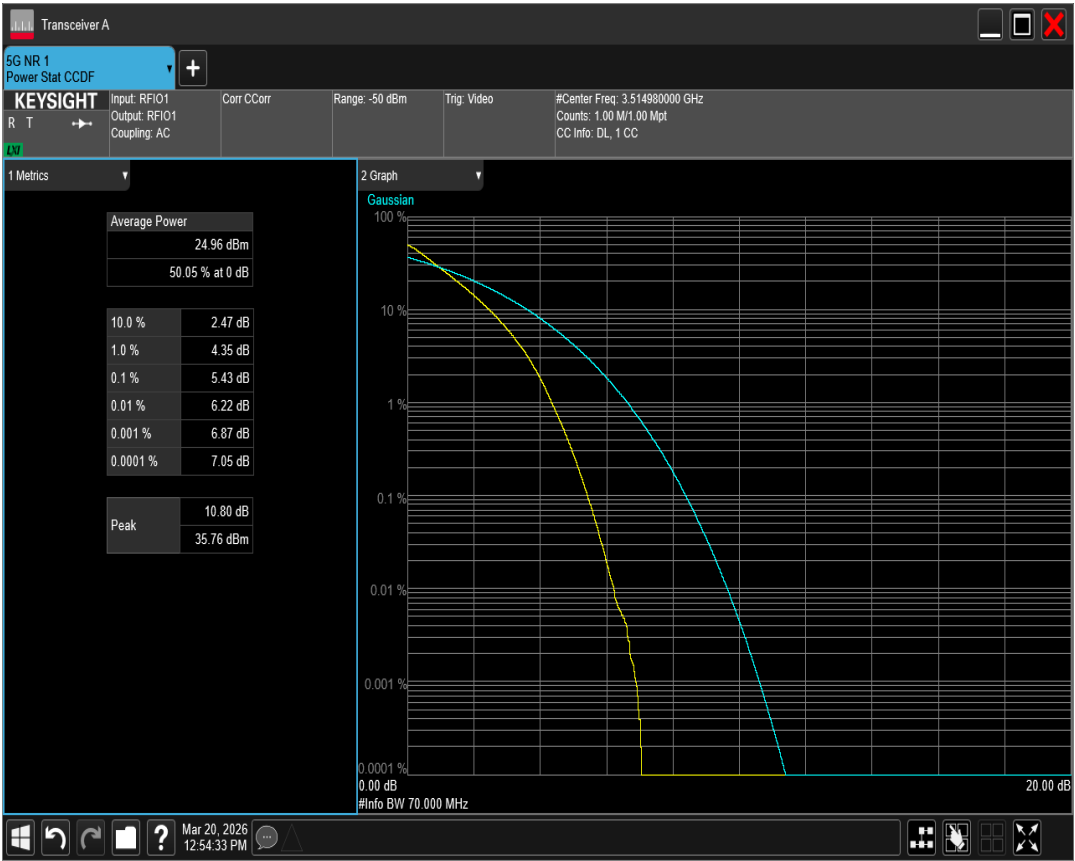
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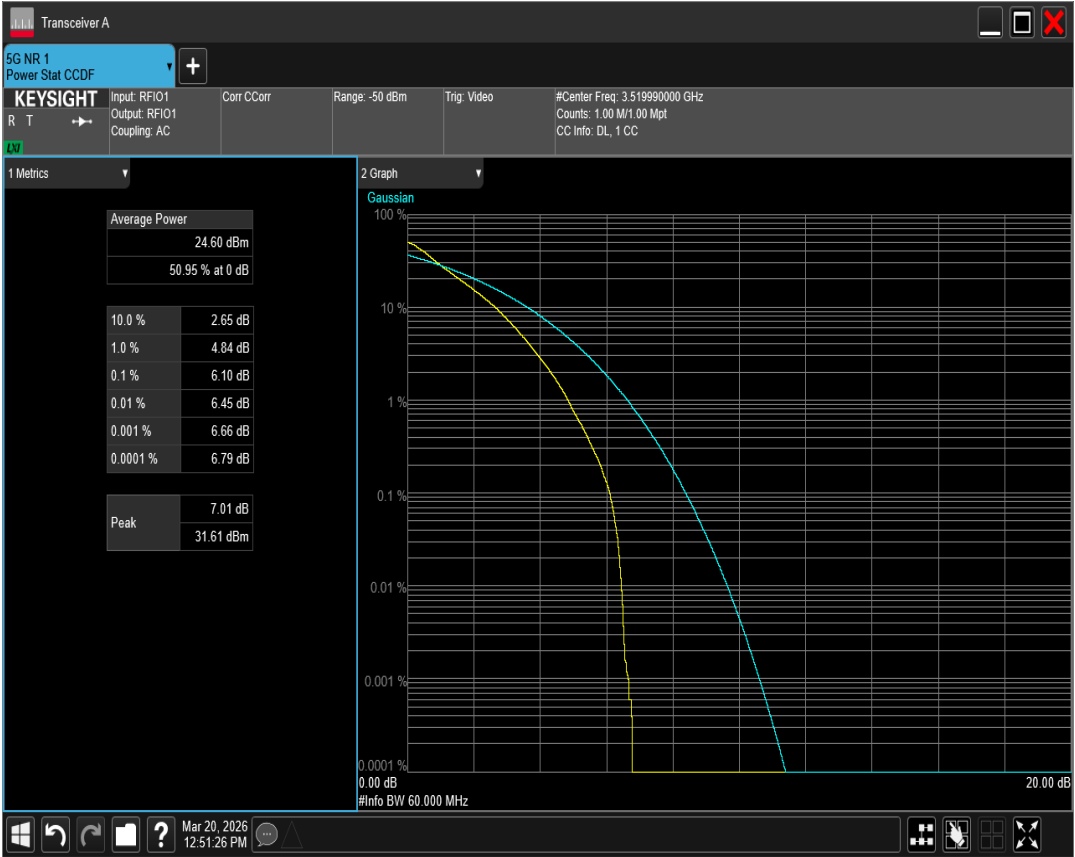
*n78(3450-3550) SCS=30kHz DFT\_QPSK BW=70MHz Channel=633334 RB=180@0*



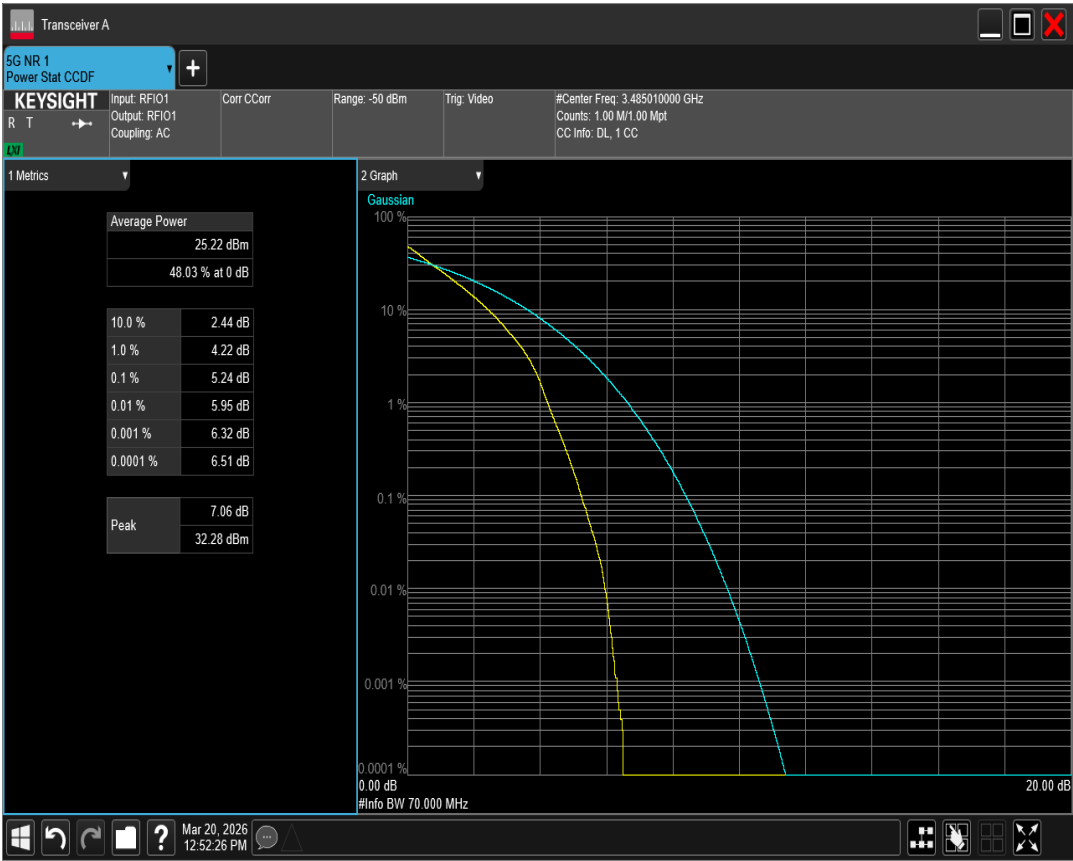
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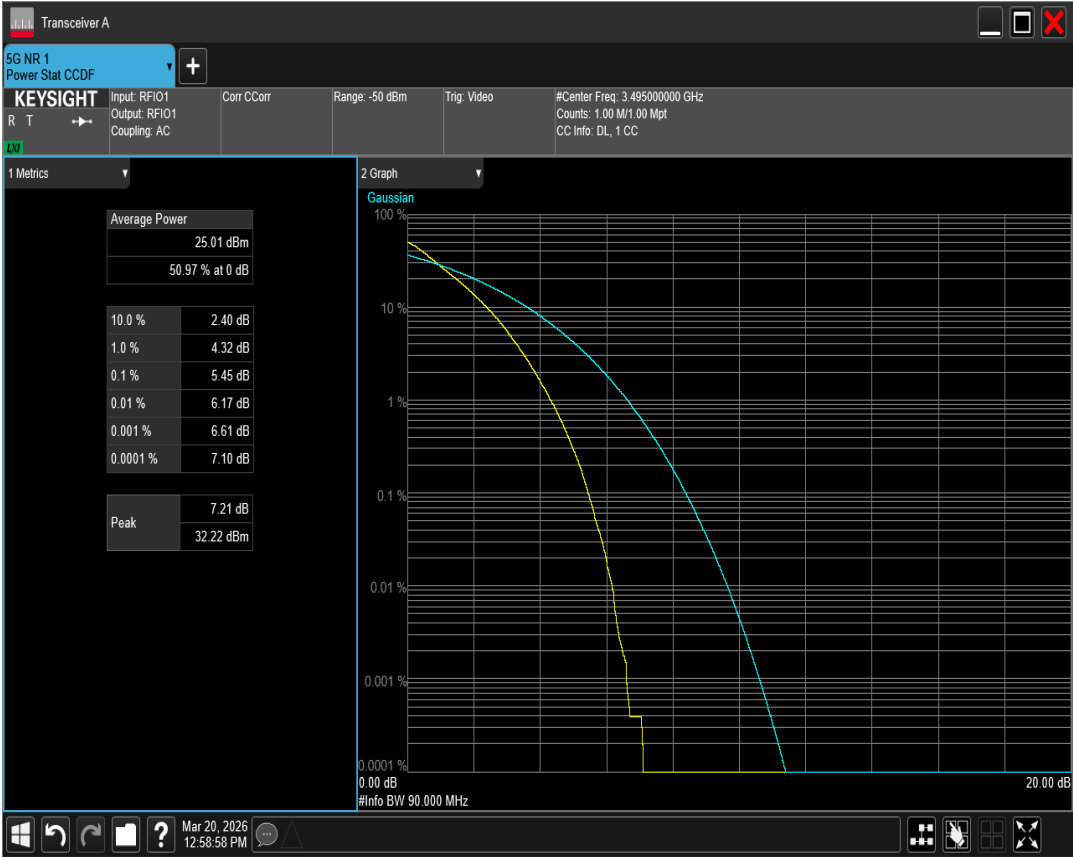
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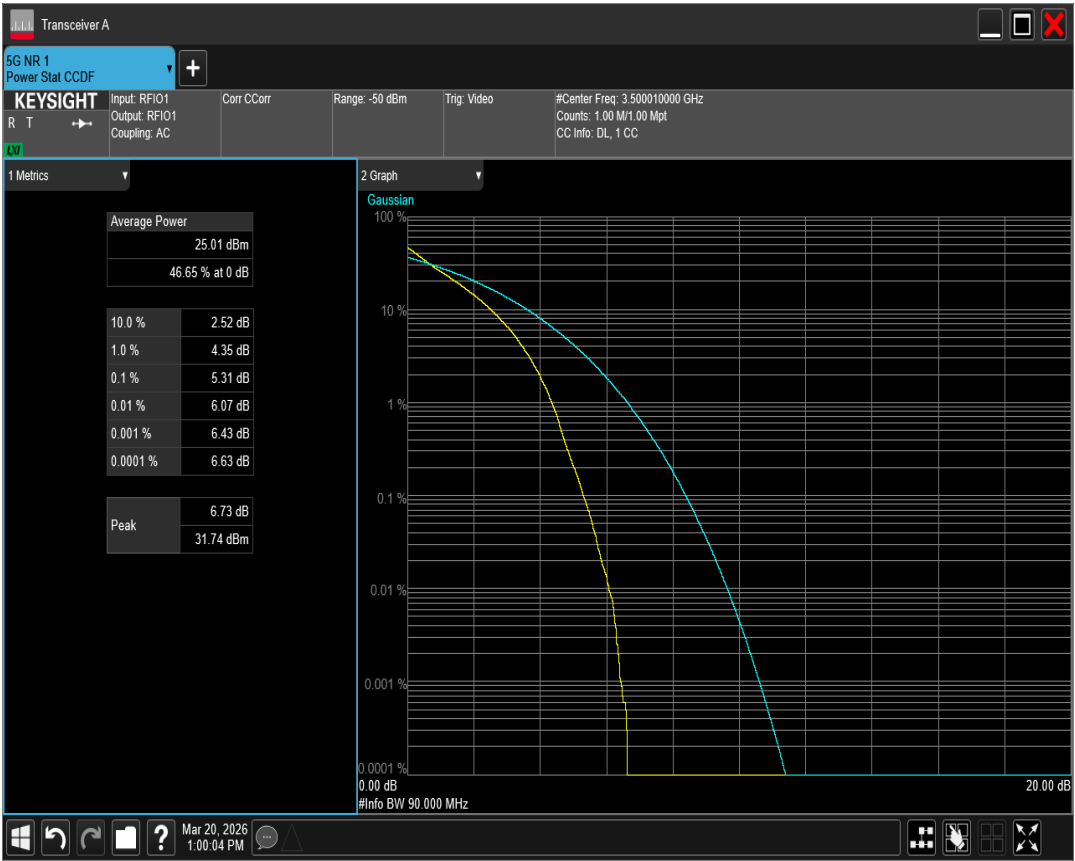
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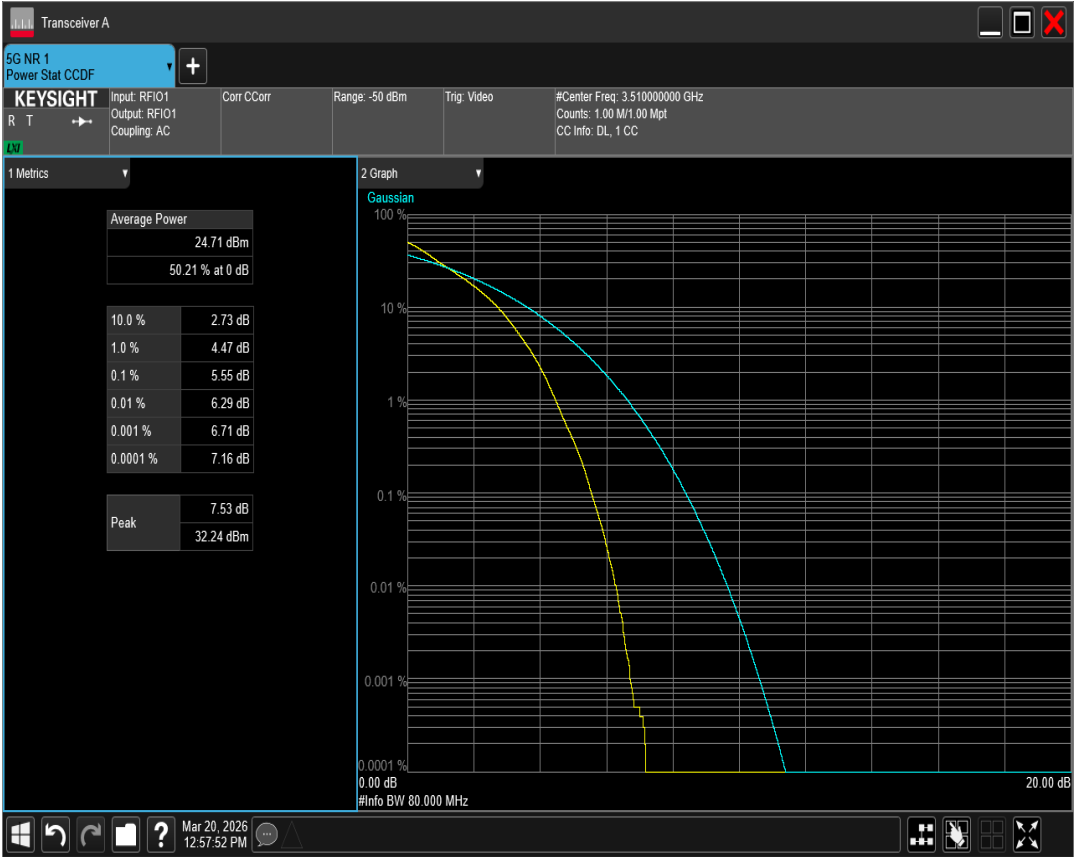
*n78(3450-3550) SCS=30kHz DFT\_QPSK BW=90MHz Channel=633000 RB=240@0*



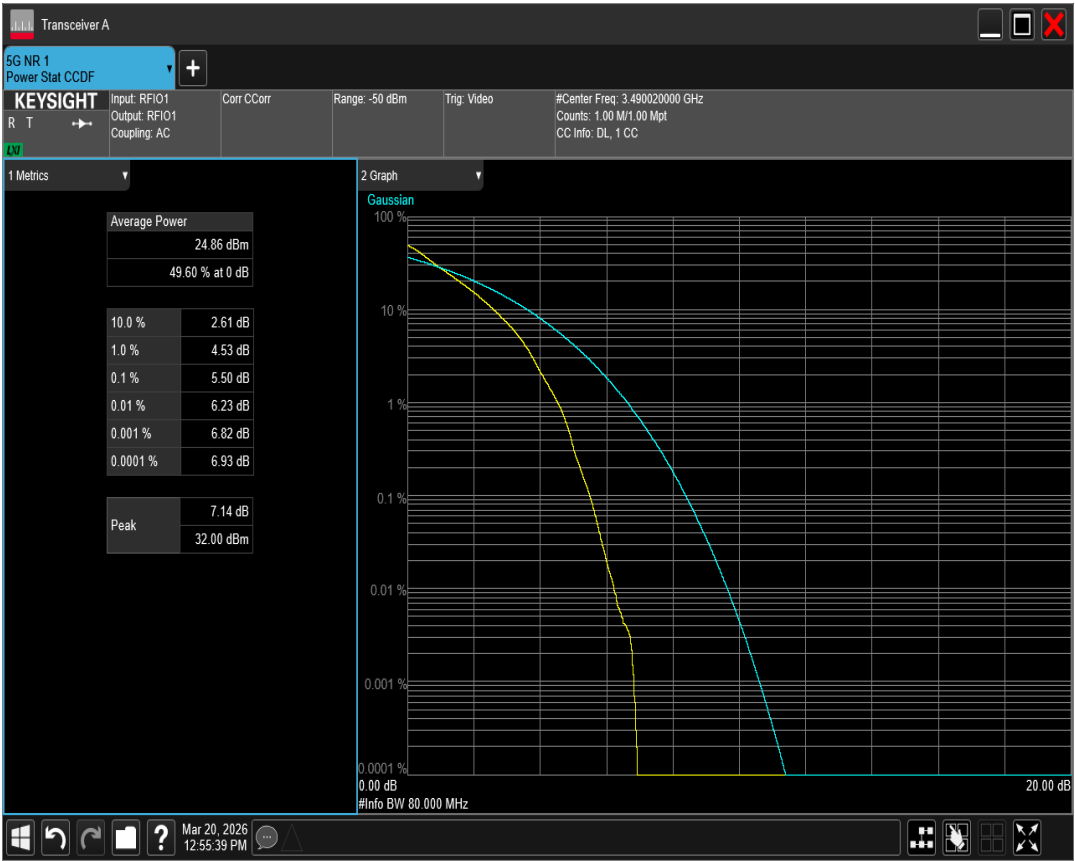
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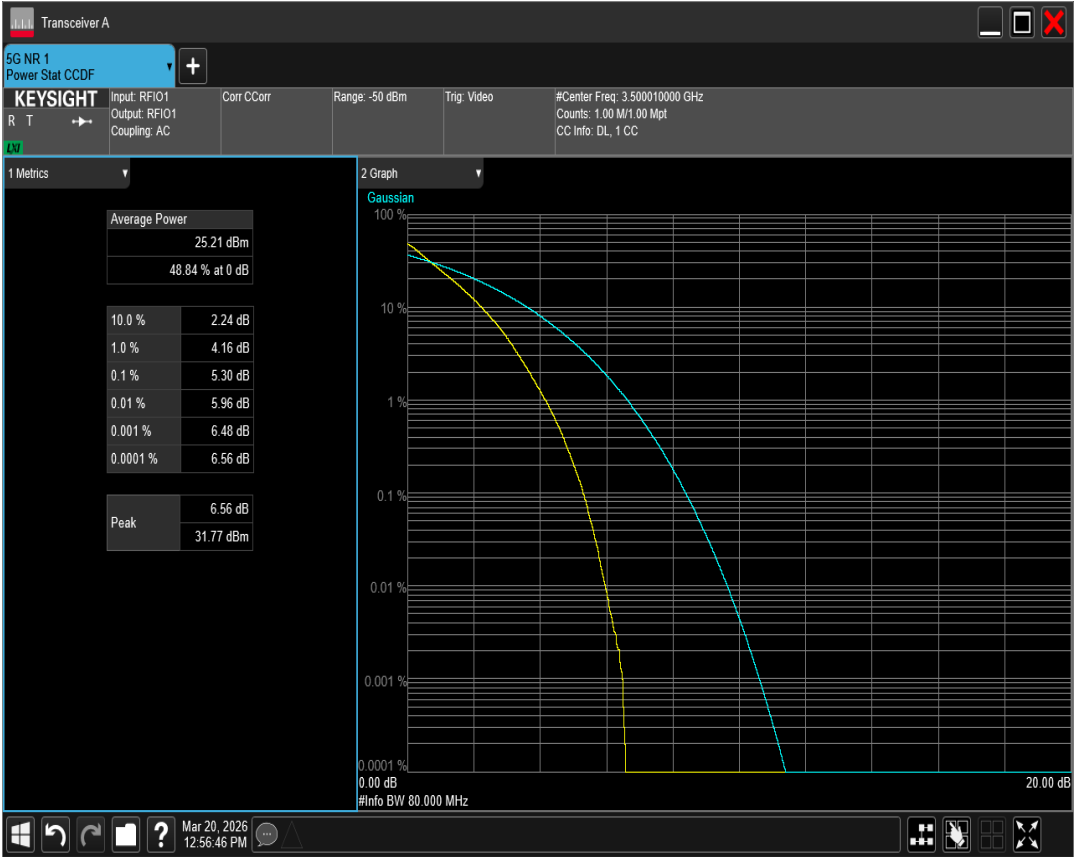
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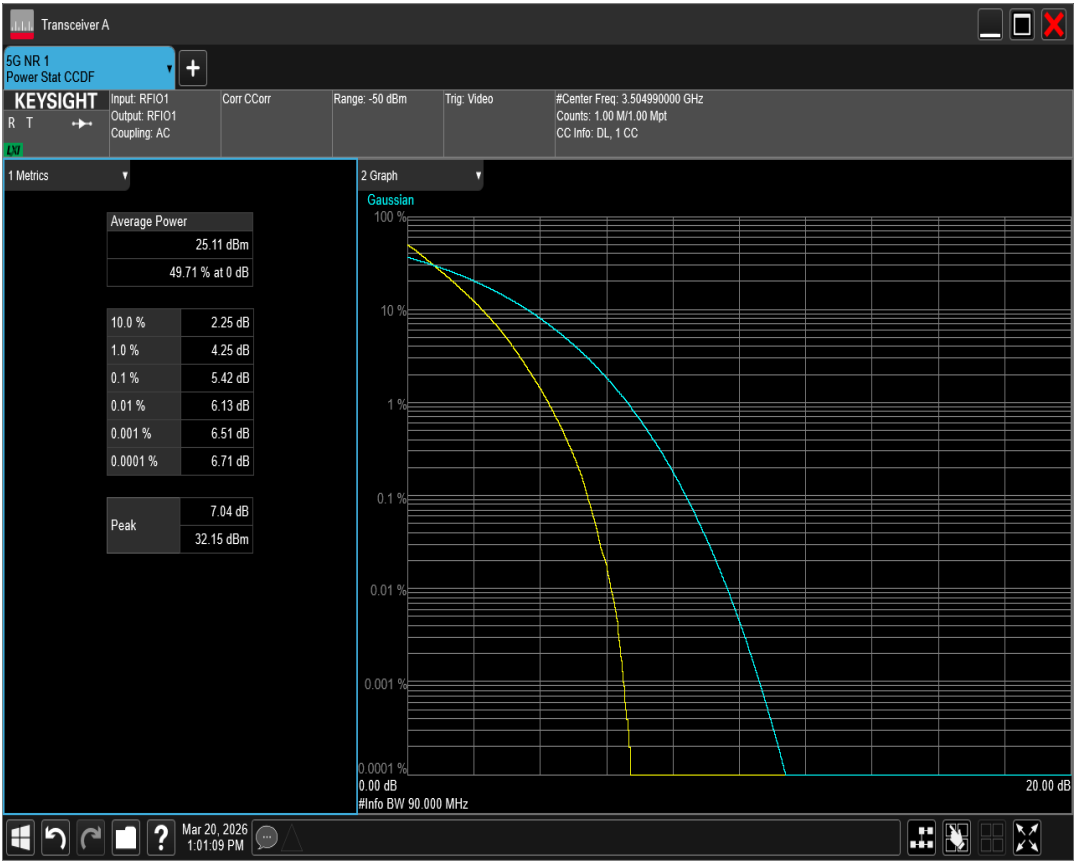
*n78(3450-3550) SCS=30kHz DFT\_QPSK BW=80MHz Channel=632668 RB=216@0*



*n78(3450-3550) SCS=30kHz DFT\_QPSK BW=80MHz Channel=633334 RB=216@0*



*n78(3450-3550) SCS=30kHz DFT\_QPSK BW=90MHz Channel=633666 RB=240@0*



## 4 Occupied bandwidth for NR FR1

| <i>Band</i>    | <i>SCS<br/>(kHz)</i> | <i>Bandwidth<br/>(MHz)</i> | <i>UL<br/>Channel</i> | <i>RB<br/>Allocation</i> | <i>Modulation</i> | <i>99%<br/>OBW<br/>(MHz)</i> | <i>-26dB<br/>EBW<br/>(MHz)</i> | <i>Verdict</i> |
|----------------|----------------------|----------------------------|-----------------------|--------------------------|-------------------|------------------------------|--------------------------------|----------------|
| n78(3450-3550) | 30                   | 10                         | 633334                | 24@0                     | DFT_BPSK          | 8.560                        | 8.900                          | PASS           |
| n78(3450-3550) | 30                   | 10                         | 633334                | 24@0                     | DFT_QPSK          | 8.550                        | 8.890                          | PASS           |
| n78(3450-3550) | 30                   | 10                         | 633334                | 24@0                     | DFT_QAM16         | 8.580                        | 8.980                          | PASS           |
| n78(3450-3550) | 30                   | 10                         | 633334                | 24@0                     | DFT_QAM64         | 8.570                        | 8.880                          | PASS           |
| n78(3450-3550) | 30                   | 10                         | 633334                | 24@0                     | DFT_QAM256        | 8.540                        | 8.850                          | PASS           |
| n78(3450-3550) | 30                   | 15                         | 633334                | 36@0                     | DFT_BPSK          | 13.450                       | 13.210                         | PASS           |
| n78(3450-3550) | 30                   | 15                         | 633334                | 36@0                     | DFT_QPSK          | 13.420                       | 13.210                         | PASS           |
| n78(3450-3550) | 30                   | 15                         | 633334                | 36@0                     | DFT_QAM16         | 13.450                       | 13.160                         | PASS           |
| n78(3450-3550) | 30                   | 15                         | 633334                | 36@0                     | DFT_QAM64         | 13.460                       | 13.170                         | PASS           |
| n78(3450-3550) | 30                   | 15                         | 633334                | 36@0                     | DFT_QAM256        | 13.470                       | 13.180                         | PASS           |
| n78(3450-3550) | 30                   | 20                         | 633334                | 50@0                     | DFT_BPSK          | 18.050                       | 18.330                         | PASS           |
| n78(3450-3550) | 30                   | 20                         | 633334                | 50@0                     | DFT_QPSK          | 18.030                       | 18.310                         | PASS           |
| n78(3450-3550) | 30                   | 20                         | 633334                | 50@0                     | DFT_QAM16         | 18.030                       | 18.360                         | PASS           |
| n78(3450-3550) | 30                   | 20                         | 633334                | 50@0                     | DFT_QAM64         | 18.040                       | 18.310                         | PASS           |
| n78(3450-3550) | 30                   | 20                         | 633334                | 50@0                     | DFT_QAM256        | 18.040                       | 18.290                         | PASS           |
| n78(3450-3550) | 30                   | 30                         | 633334                | 75@0                     | DFT_BPSK          | 27.690                       | 27.340                         | PASS           |
| n78(3450-3550) | 30                   | 30                         | 633334                | 75@0                     | DFT_QPSK          | 27.610                       | 27.350                         | PASS           |
| n78(3450-3550) | 30                   | 30                         | 633334                | 75@0                     | DFT_QAM16         | 27.520                       | 27.320                         | PASS           |
| n78(3450-3550) | 30                   | 30                         | 633334                | 75@0                     | DFT_QAM64         | 27.700                       | 27.260                         | PASS           |
| n78(3450-3550) | 30                   | 30                         | 633334                | 75@0                     | DFT_QAM256        | 27.610                       | 27.270                         | PASS           |
| n78(3450-3550) | 30                   | 40                         | 633334                | 100@0                    | DFT_BPSK          | 37.500                       | 36.380                         | PASS           |
| n78(3450-3550) | 30                   | 40                         | 633334                | 100@0                    | DFT_QPSK          | 37.570                       | 36.320                         | PASS           |
| n78(3450-3550) | 30                   | 40                         | 633334                | 100@0                    | DFT_QAM16         | 37.550                       | 36.420                         | PASS           |
| n78(3450-3550) | 30                   | 40                         | 633334                | 100@0                    | DFT_QAM64         | 37.460                       | 36.270                         | PASS           |
| n78(3450-3550) | 30                   | 40                         | 633334                | 100@0                    | DFT_QAM256        | 37.450                       | 36.260                         | PASS           |
| n78(3450-3550) | 30                   | 50                         | 633334                | 128@0                    | DFT_BPSK          | 47.010                       | 46.400                         | PASS           |
| n78(3450-3550) | 30                   | 50                         | 633334                | 128@0                    | DFT_QPSK          | 47.070                       | 46.450                         | PASS           |
| n78(3450-3550) | 30                   | 50                         | 633334                | 128@0                    | DFT_QAM16         | 47.100                       | 46.420                         | PASS           |
| n78(3450-3550) | 30                   | 50                         | 633334                | 128@0                    | DFT_QAM64         | 46.880                       | 46.420                         | PASS           |
| n78(3450-3550) | 30                   | 50                         | 633334                | 128@0                    | DFT_QAM256        | 46.900                       | 46.340                         | PASS           |
| n78(3450-3550) | 30                   | 60                         | 633334                | 162@0                    | DFT_BPSK          | 57.780                       | 58.670                         | PASS           |
| n78(3450-3550) | 30                   | 60                         | 633334                | 162@0                    | DFT_QPSK          | 57.760                       | 58.720                         | PASS           |
| n78(3450-3550) | 30                   | 60                         | 633334                | 162@0                    | DFT_QAM16         | 57.760                       | 58.610                         | PASS           |
| n78(3450-3550) | 30                   | 60                         | 633334                | 162@0                    | DFT_QAM64         | 57.760                       | 58.640                         | PASS           |
| n78(3450-3550) | 30                   | 60                         | 633334                | 162@0                    | DFT_QAM256        | 57.710                       | 58.650                         | PASS           |
| n78(3450-3550) | 30                   | 70                         | 633334                | 180@0                    | DFT_BPSK          | 66.940                       | 64.990                         | PASS           |
| n78(3450-3550) | 30                   | 70                         | 633334                | 180@0                    | DFT_QPSK          | 66.740                       | 65.080                         | PASS           |
| n78(3450-3550) | 30                   | 70                         | 633334                | 180@0                    | DFT_QAM16         | 66.870                       | 65.110                         | PASS           |
| n78(3450-3550) | 30                   | 70                         | 633334                | 180@0                    | DFT_QAM64         | 66.950                       | 65.140                         | PASS           |

|                |    |     |        |       |            |        |        |      |
|----------------|----|-----|--------|-------|------------|--------|--------|------|
| n78(3450-3550) | 30 | 70  | 633334 | 180@0 | DFT_QAM256 | 66.850 | 65.110 | PASS |
| n78(3450-3550) | 30 | 80  | 633334 | 216@0 | DFT_BPSK   | 76.940 | 78.030 | PASS |
| n78(3450-3550) | 30 | 80  | 633334 | 216@0 | DFT_QPSK   | 76.950 | 78.080 | PASS |
| n78(3450-3550) | 30 | 80  | 633334 | 216@0 | DFT_QAM16  | 76.920 | 78.160 | PASS |
| n78(3450-3550) | 30 | 80  | 633334 | 216@0 | DFT_QAM64  | 77.050 | 78.050 | PASS |
| n78(3450-3550) | 30 | 80  | 633334 | 216@0 | DFT_QAM256 | 77.030 | 78.130 | PASS |
| n78(3450-3550) | 30 | 90  | 633334 | 240@0 | DFT_BPSK   | 86.680 | 86.690 | PASS |
| n78(3450-3550) | 30 | 90  | 633334 | 240@0 | DFT_QPSK   | 86.520 | 86.810 | PASS |
| n78(3450-3550) | 30 | 90  | 633334 | 240@0 | DFT_QAM16  | 86.640 | 86.660 | PASS |
| n78(3450-3550) | 30 | 90  | 633334 | 240@0 | DFT_QAM64  | 86.560 | 86.650 | PASS |
| n78(3450-3550) | 30 | 90  | 633334 | 240@0 | DFT_QAM256 | 86.900 | 86.650 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_BPSK   | 96.320 | 97.490 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_QPSK   | 96.320 | 97.540 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_QAM16  | 96.540 | 97.660 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_QAM64  | 96.460 | 97.520 | PASS |
| n78(3450-3550) | 30 | 100 | 633334 | 270@0 | DFT_QAM256 | 96.140 | 97.610 | PASS |

**n78(3450-3550) SCS=30kHz DFT\_BPSK BW=100MHz Channel=633334 RB=270@0**



**n78(3450-3550) SCS=30kHz DFT\_BPSK BW=10MHz Channel=633334 RB=24@0**



*n78(3450-3550) SCS=30kHz DFT\_BPSK BW=15MHz Channel=633334 RB=36@0*



*n78(3450-3550) SCS=30kHz DFT\_BPSK BW=20MHz Channel=633334 RB=50@0*



*n78(3450-3550) SCS=30kHz DFT\_BPSK BW=30MHz Channel=633334 RB=75@0*



*n78(3450-3550) SCS=30kHz DFT\_BPSK BW=40MHz Channel=633334 RB=100@0*



*n78(3450-3550) SCS=30kHz DFT\_BPSK BW=50MHz Channel=633334 RB=128@0*



*n78(3450-3550) SCS=30kHz DFT\_BPSK BW=60MHz Channel=633334 RB=162@0*



*n78(3450-3550) SCS=30kHz DFT\_BPSK BW=70MHz Channel=633334 RB=180@0*



*n78(3450-3550) SCS=30kHz DFT\_BPSK BW=80MHz Channel=633334 RB=216@0*



n78(3450-3550) SCS=30kHz DFT\_BPSK BW=90MHz Channel=633334 RB=240@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=100MHz Channel=633334 RB=270@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=15MHz Channel=633334 RB=36@0



n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=10MHz Channel=633334 RB=24@0



*n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=20MHz Channel=633334 RB=50@0*



*n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=30MHz Channel=633334 RB=75@0*



*n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=60MHz Channel=633334 RB=162@0*



*n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=50MHz Channel=633334 RB=128@0*



*n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=40MHz Channel=633334 RB=100@0*



*n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=70MHz Channel=633334 RB=180@0*



*n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=80MHz Channel=633334 RB=216@0*



*n78(3450-3550) SCS=30kHz DFT\_QAM16 BW=90MHz Channel=633334 RB=240@0*



*n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=10MHz Channel=633334 RB=24@0*



*n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=100MHz Channel=633334 RB=270@0*



*n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=15MHz Channel=633334 RB=36@0*



*n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=20MHz Channel=633334 RB=50@0*



*n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=40MHz Channel=633334 RB=100@0*



*n78(3450-3550) SCS=30kHz DFT\_QAM256 BW=30MHz Channel=633334 RB=75@0*