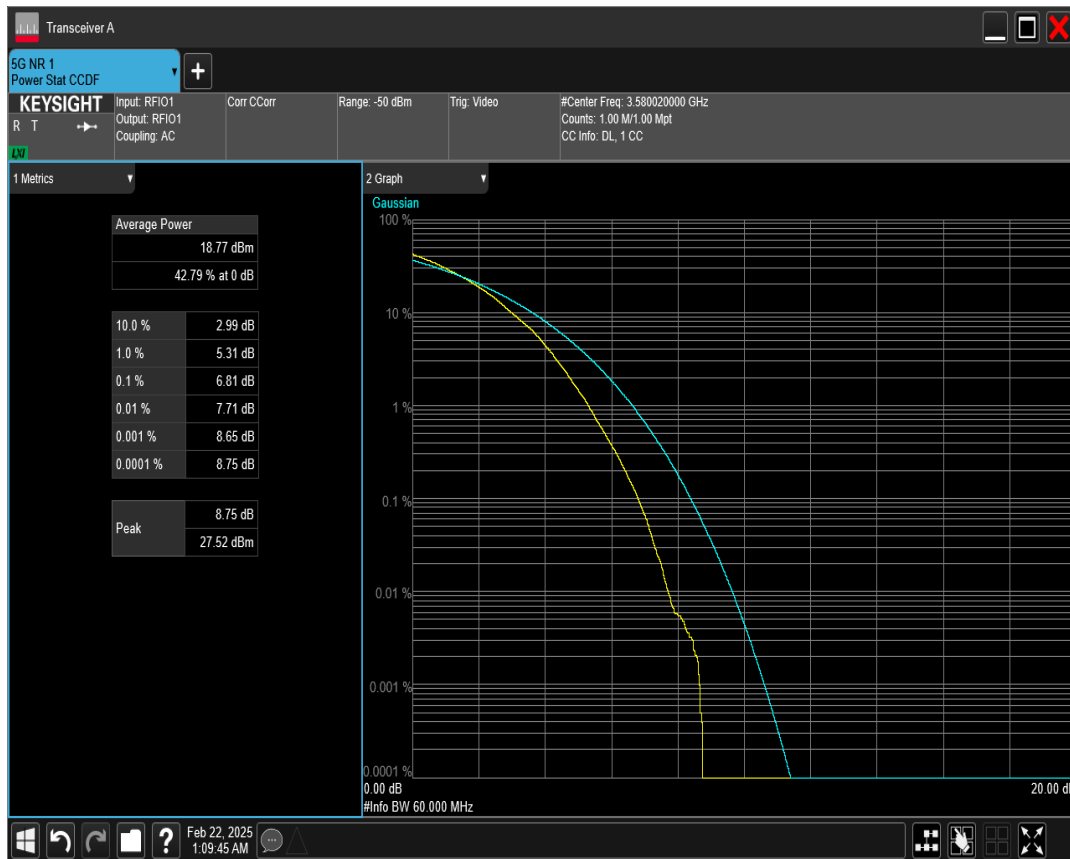
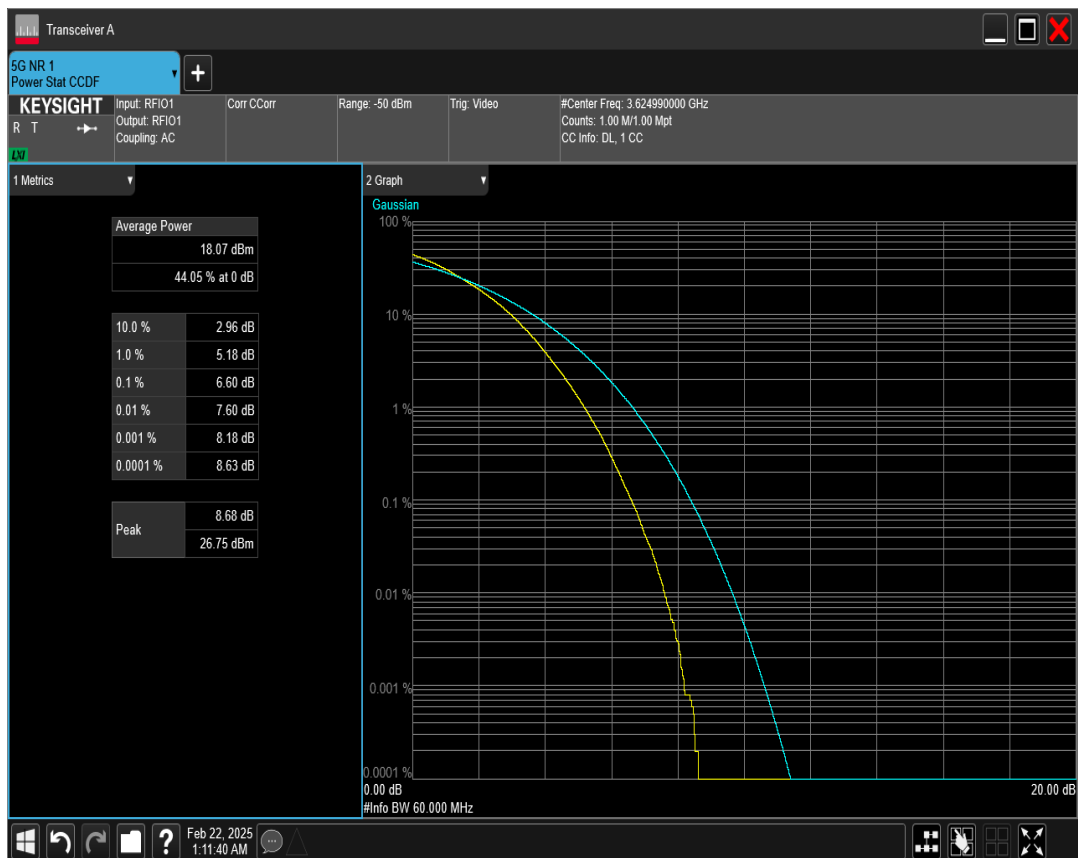
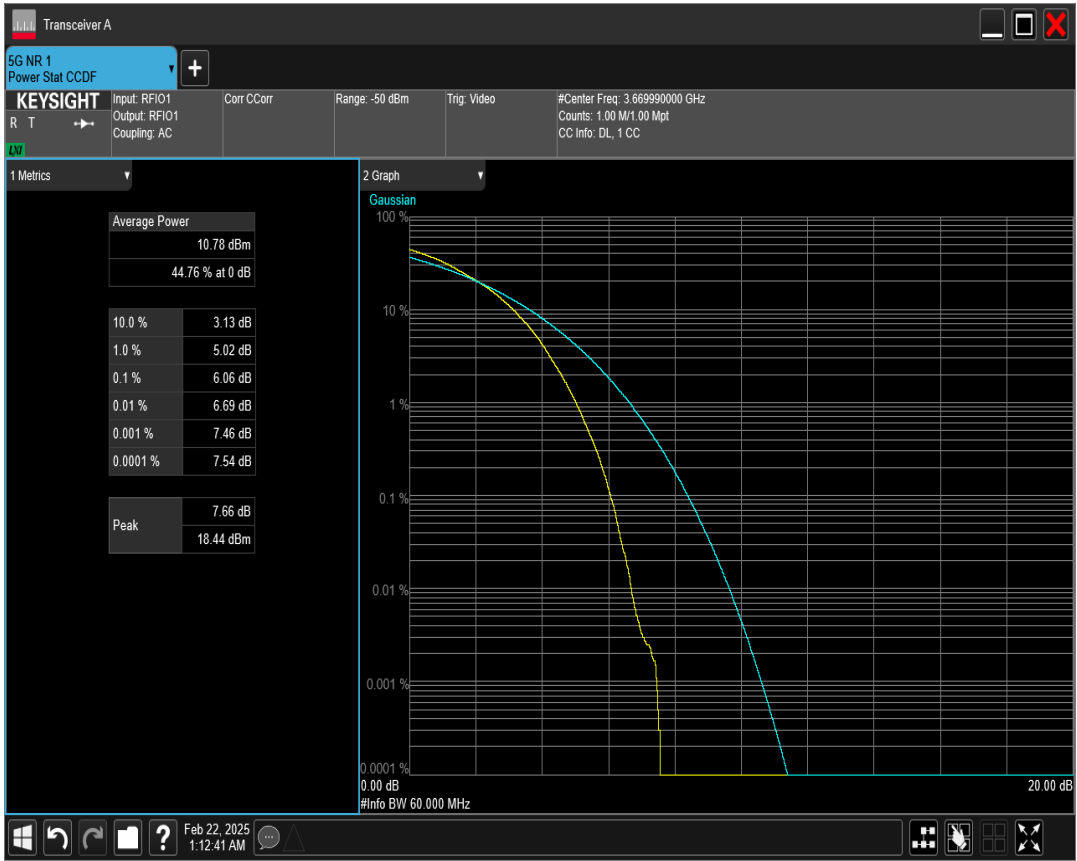




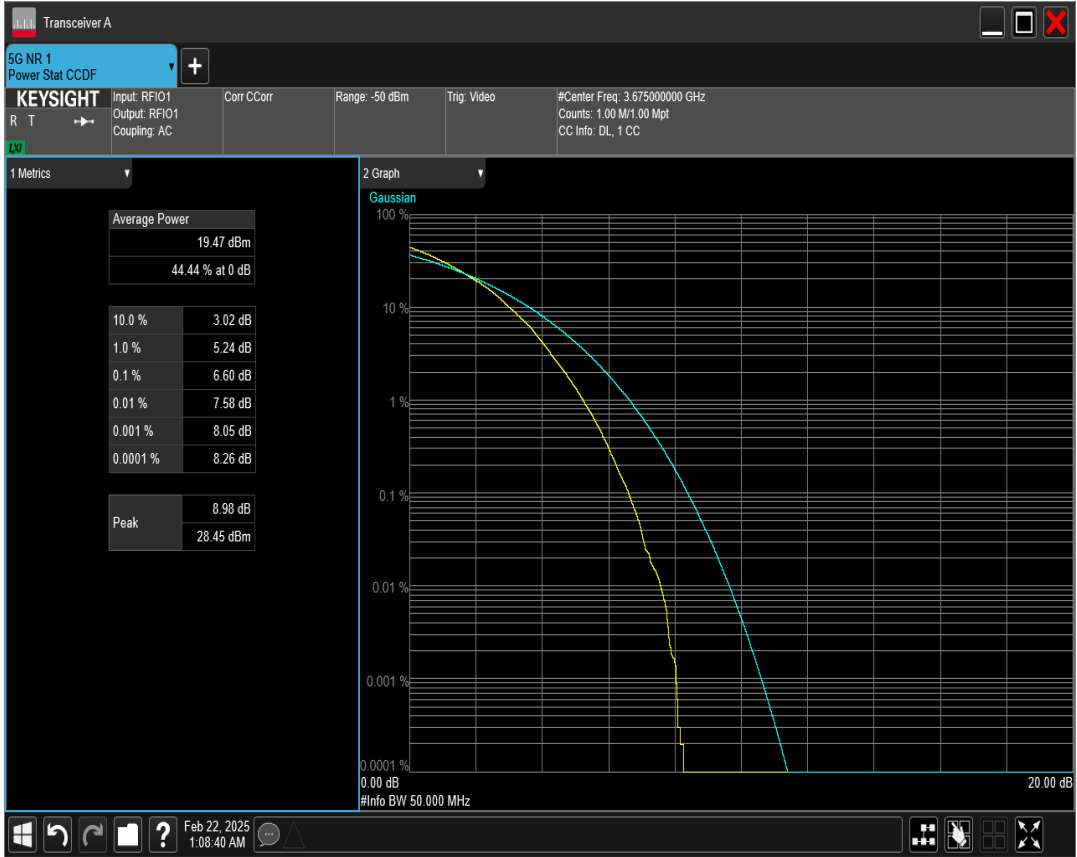
*n78(3550-3700) SCS=30kHz DFT\_QAM64 BW=60MHz Channel=641666 RB=162@0*



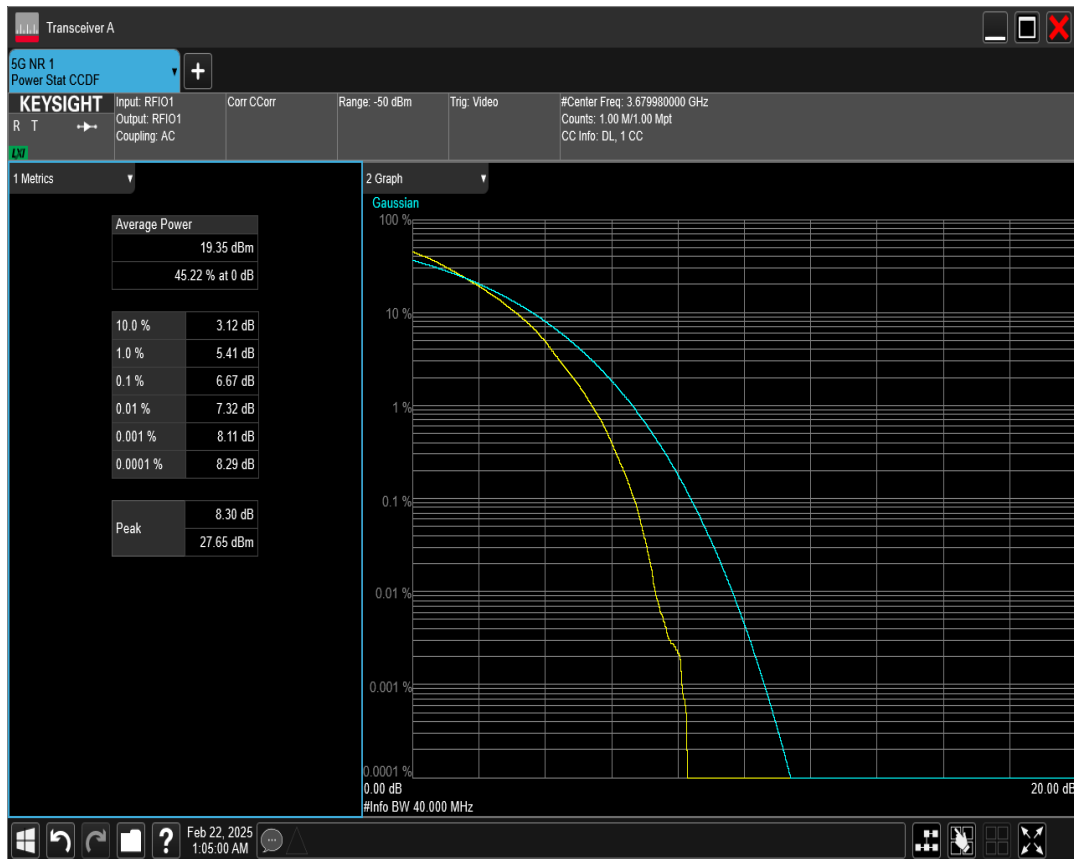
*n78(3550-3700) SCS=30kHz DFT\_QAM64 BW=60MHz Channel=644666 RB=162@0*



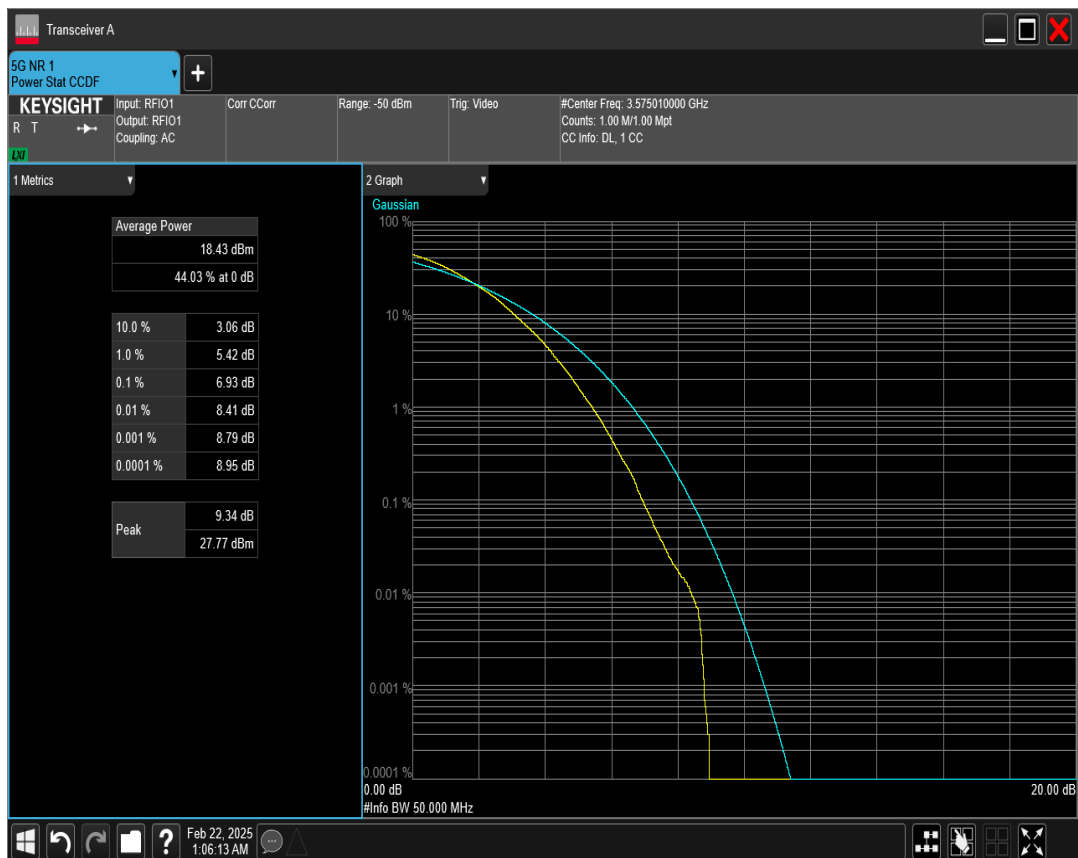
*n78(3550-3700) SCS=30kHz DFT\_QAM64 BW=50MHz Channel=645000 RB=128@0*



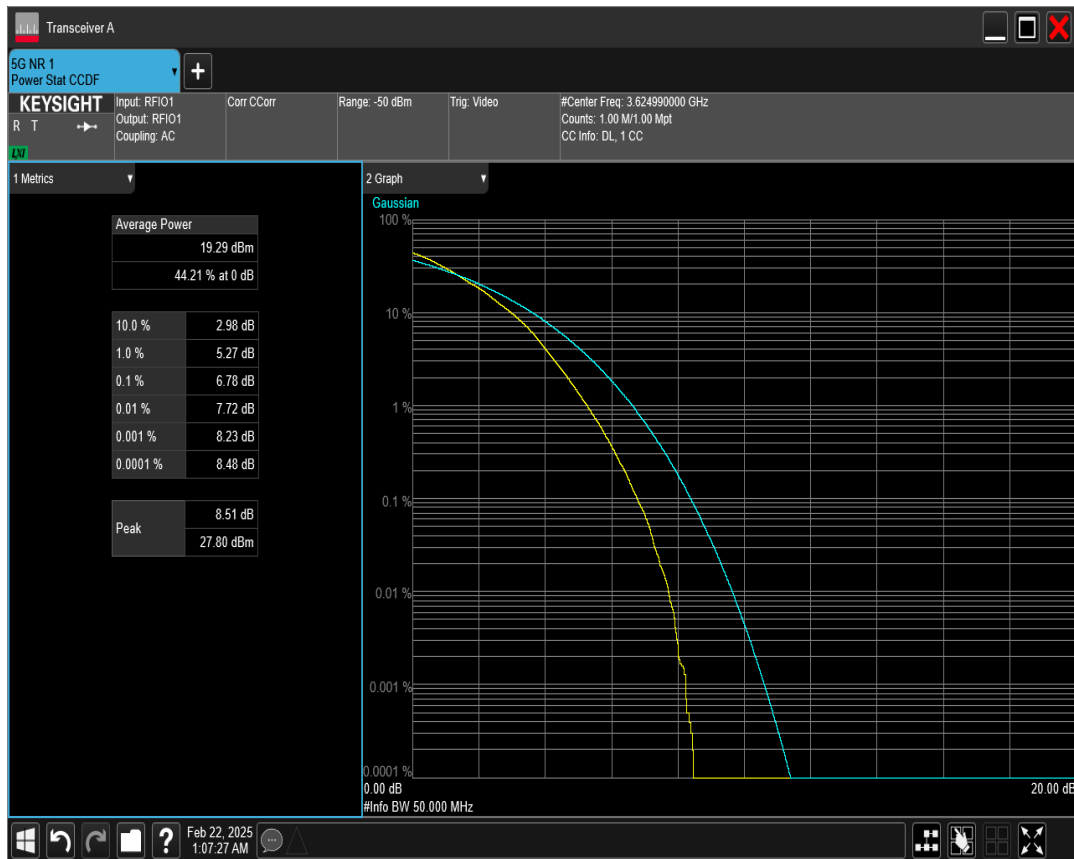
*n78(3550-3700) SCS=30kHz DFT\_QAM64 BW=40MHz Channel=645332 RB=100@0*



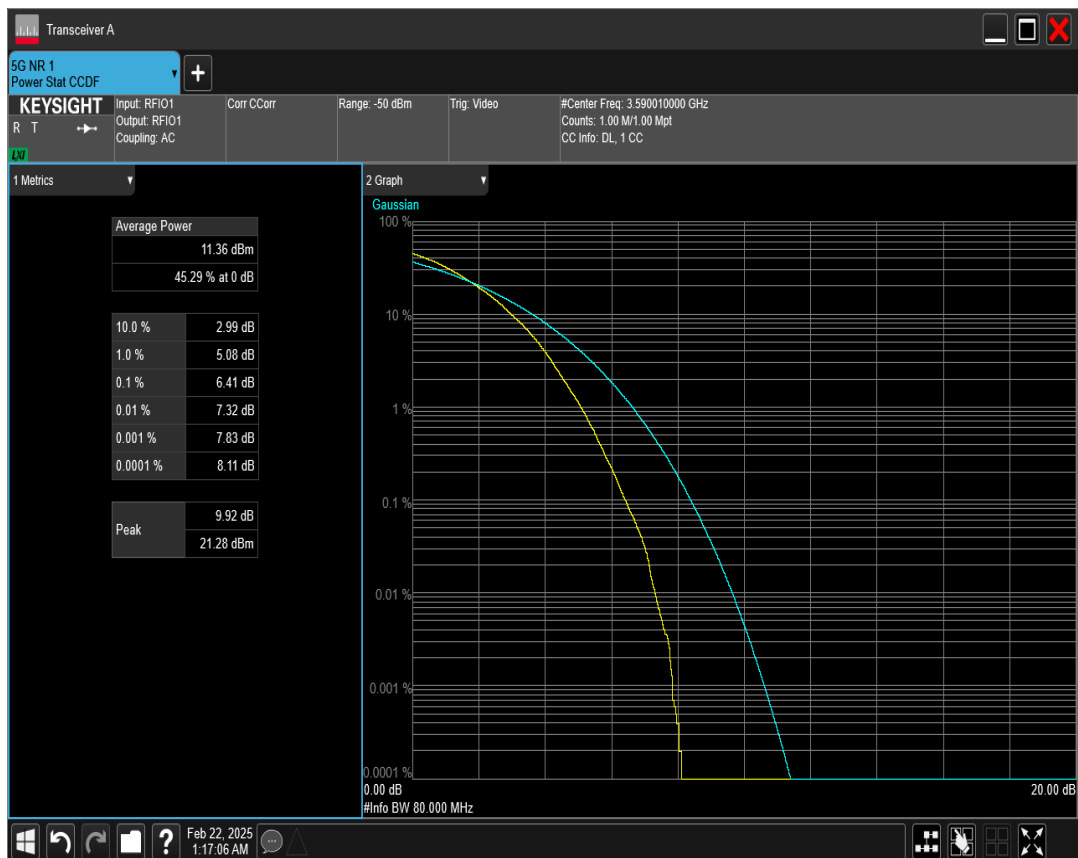
***n78(3550-3700) SCS=30kHz DFT\_QAM64 BW=50MHz Channel=638334 RB=128@0***



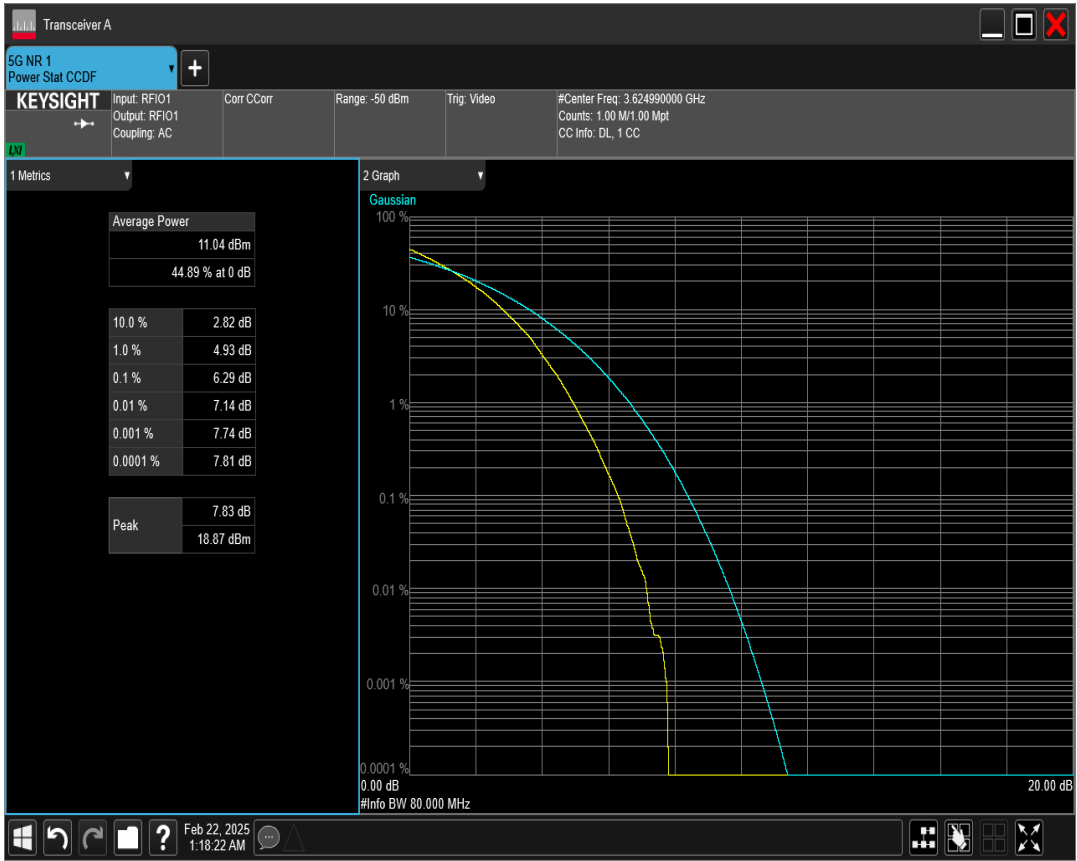
***n78(3550-3700) SCS=30kHz DFT\_QAM64 BW=50MHz Channel=641666 RB=128@0***



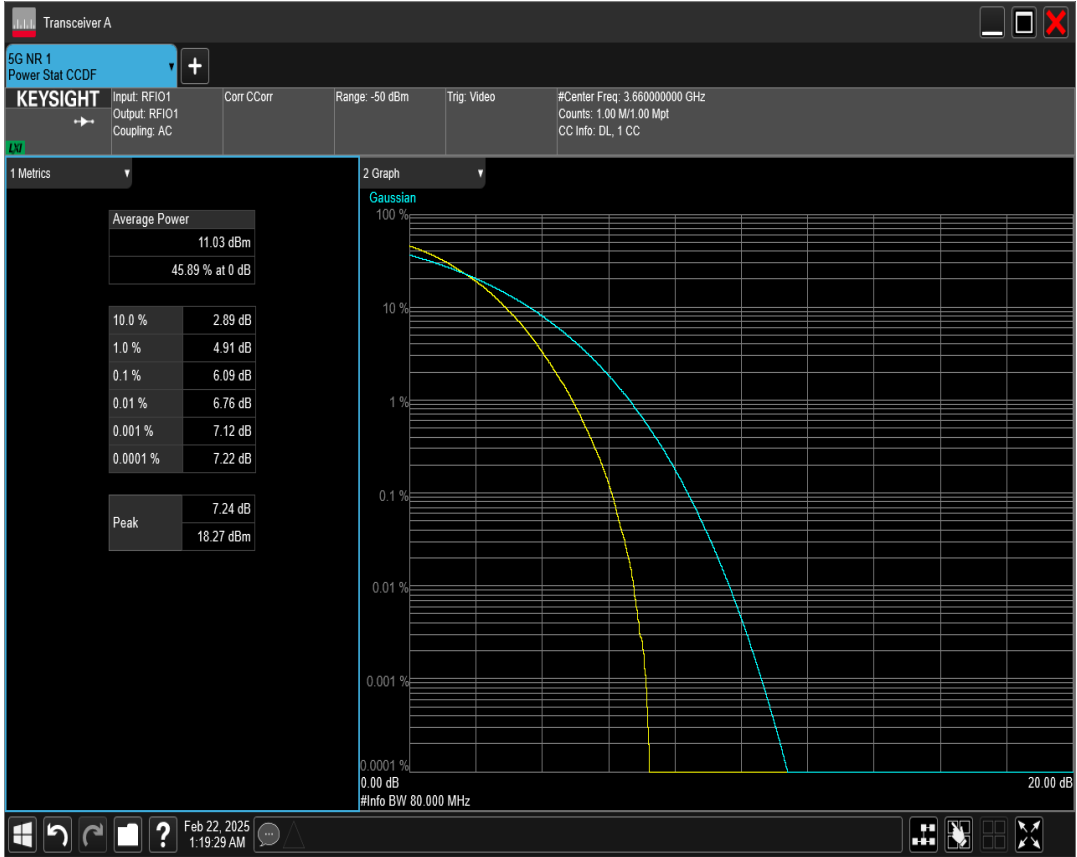
*n78(3550-3700) SCS=30kHz DFT\_QAM64 BW=80MHz Channel=639334 RB=216@0*



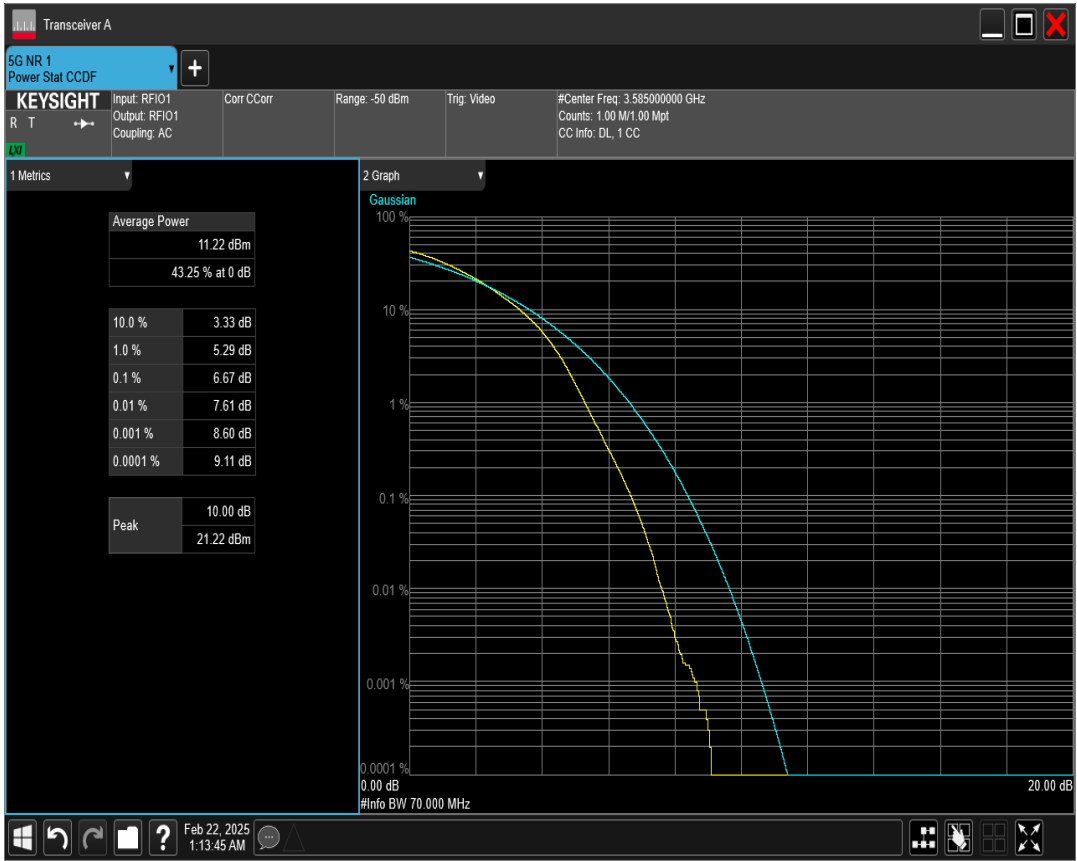
*n78(3550-3700) SCS=30kHz DFT\_QAM64 BW=80MHz Channel=641666 RB=216@0*



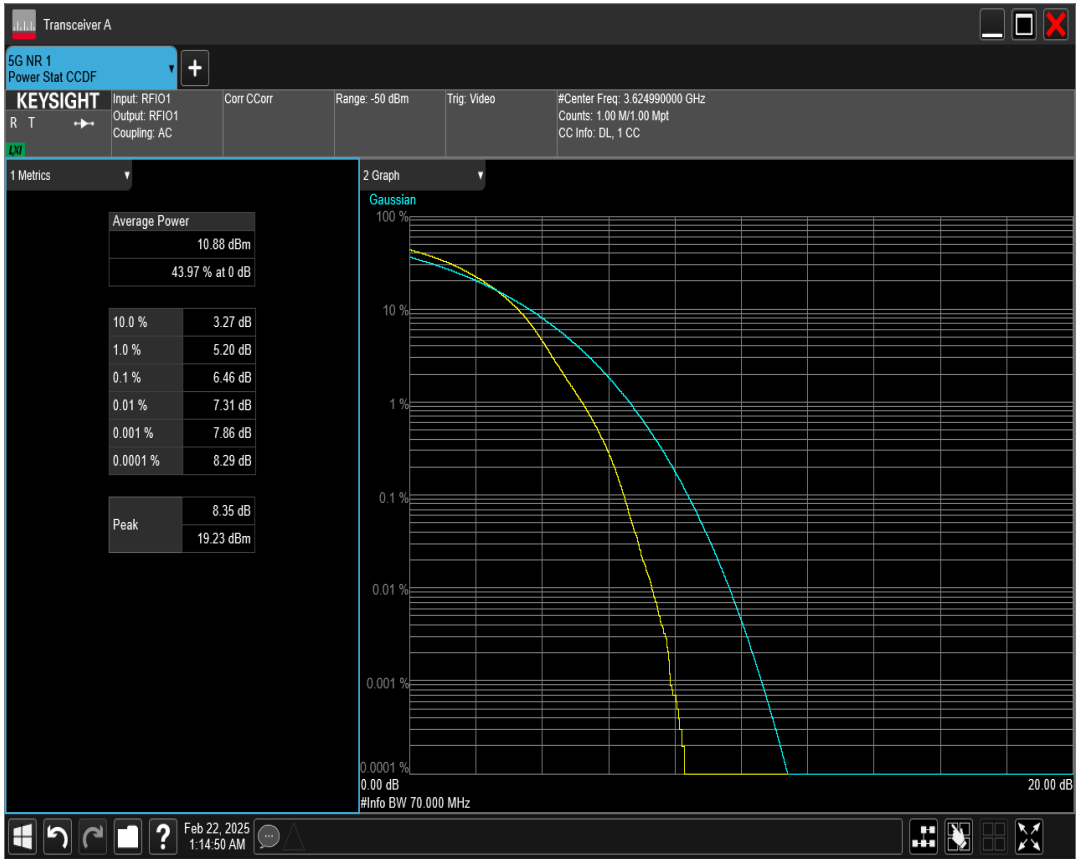
*n78(3550-3700) SCS=30kHz DFT\_QAM64 BW=80MHz Channel=644000 RB=216@0*



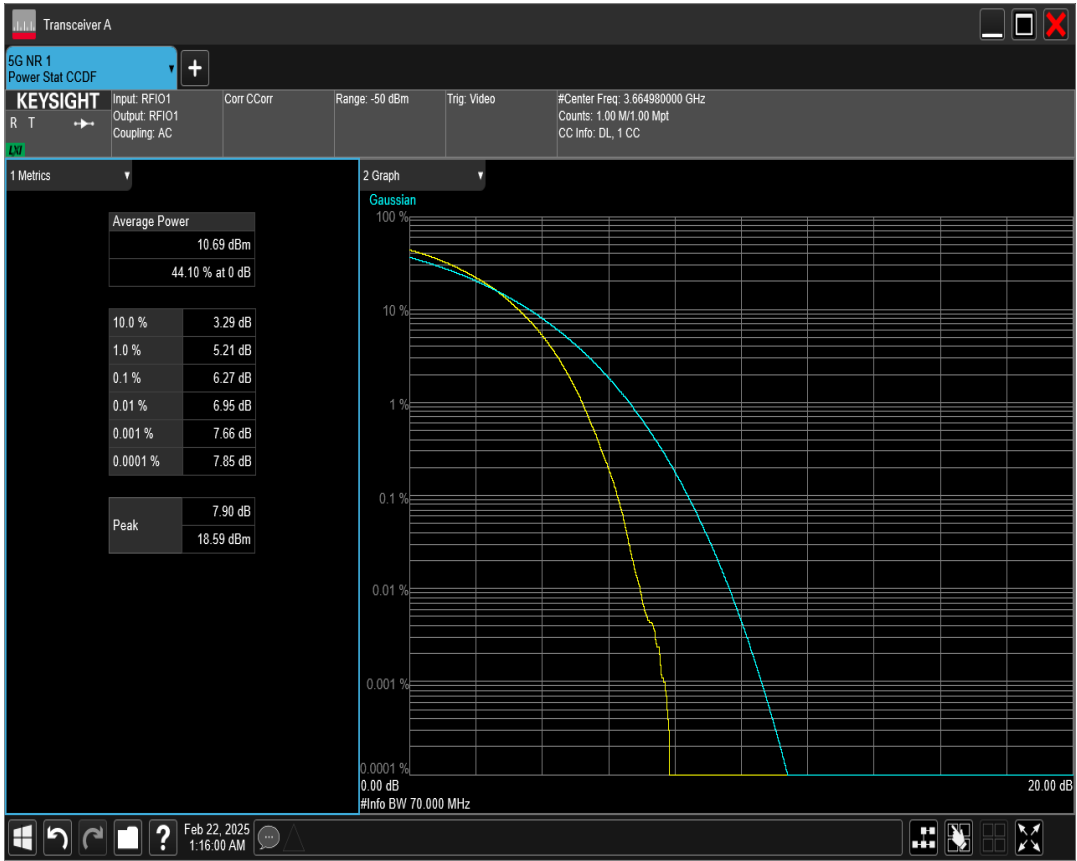
*n78(3550-3700) SCS=30kHz DFT\_QAM64 BW=70MHz Channel=639000 RB=180@0*



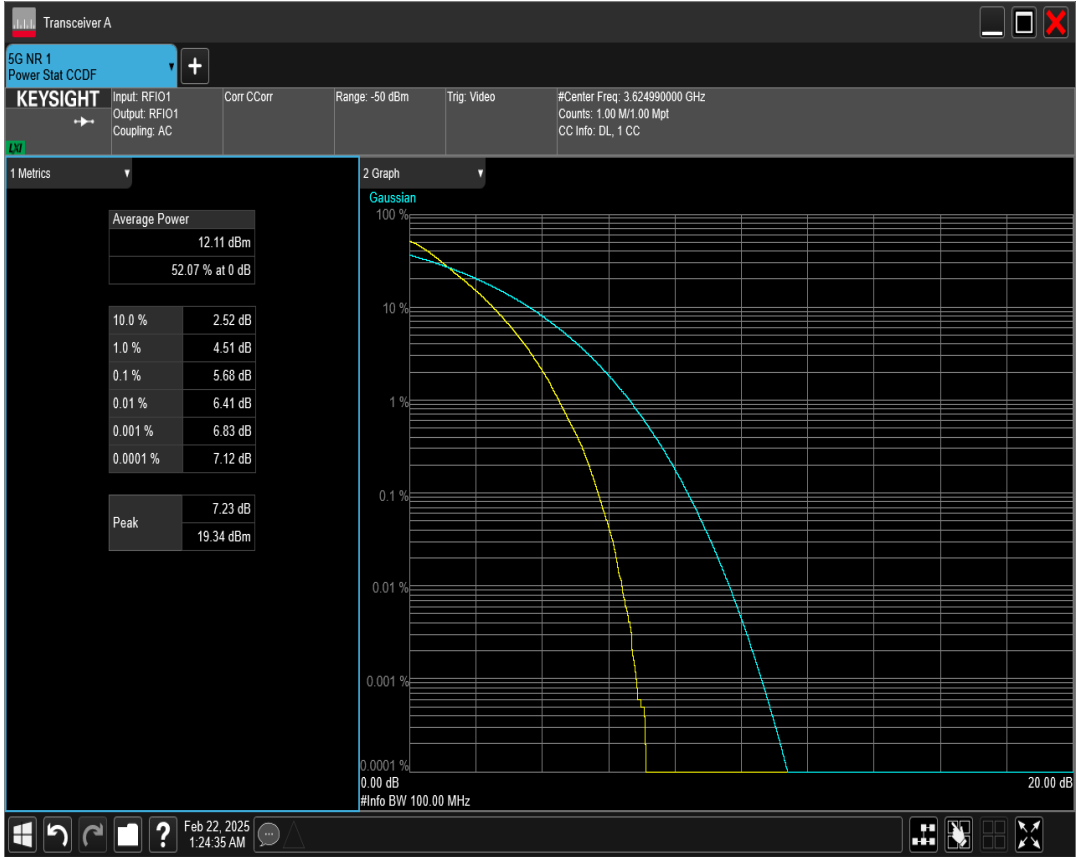
*n78(3550-3700) SCS=30kHz DFT\_QAM64 BW=70MHz Channel=641666 RB=180@0*



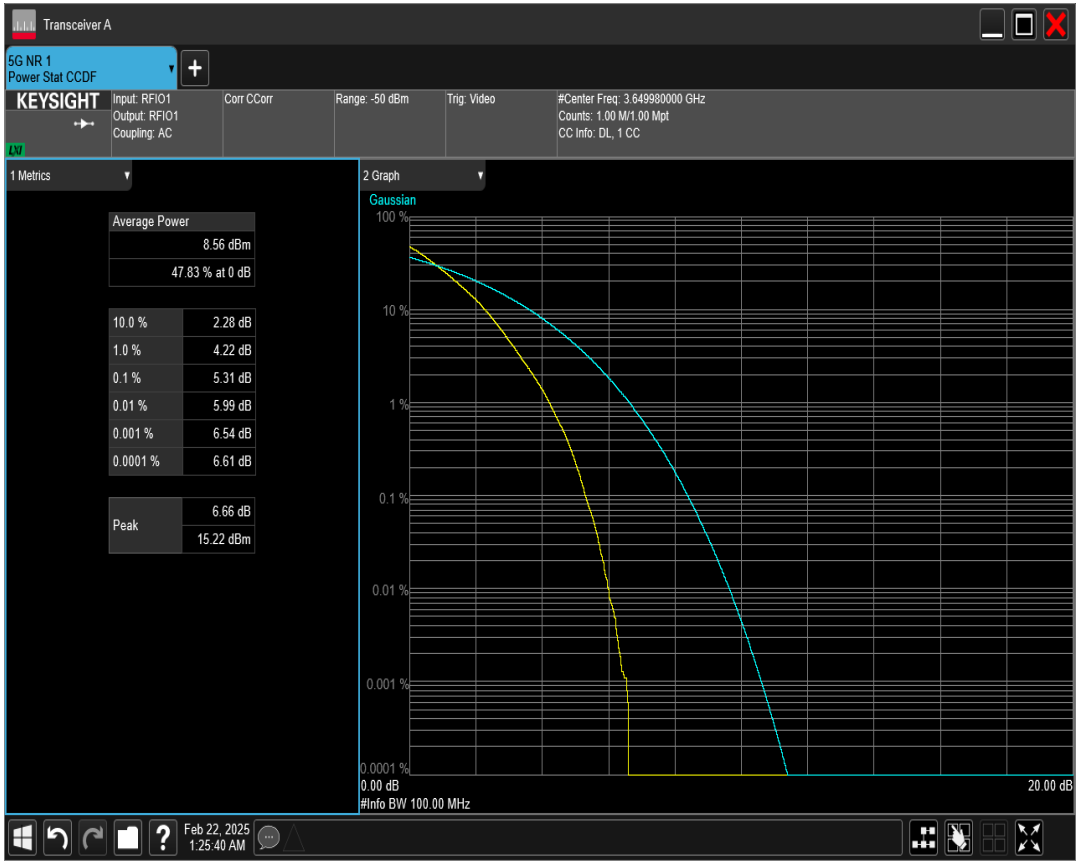
*n78(3550-3700) SCS=30kHz DFT\_QAM64 BW=70MHz Channel=644332 RB=180@0*



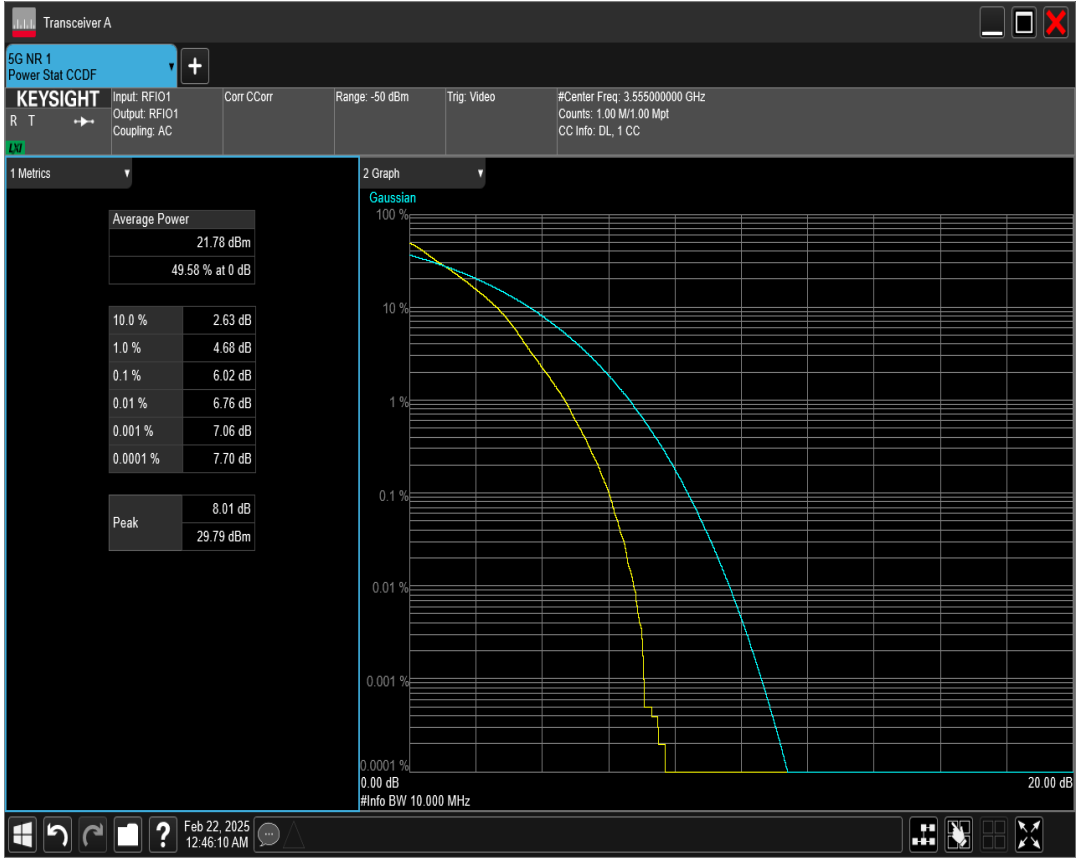
*n78(3550-3700) SCS=30kHz DFT\_QPSK BW=100MHz Channel=641666 RB=270@0*



*n78(3550-3700) SCS=30kHz DFT\_QPSK BW=100MHz Channel=643332 RB=270@0*

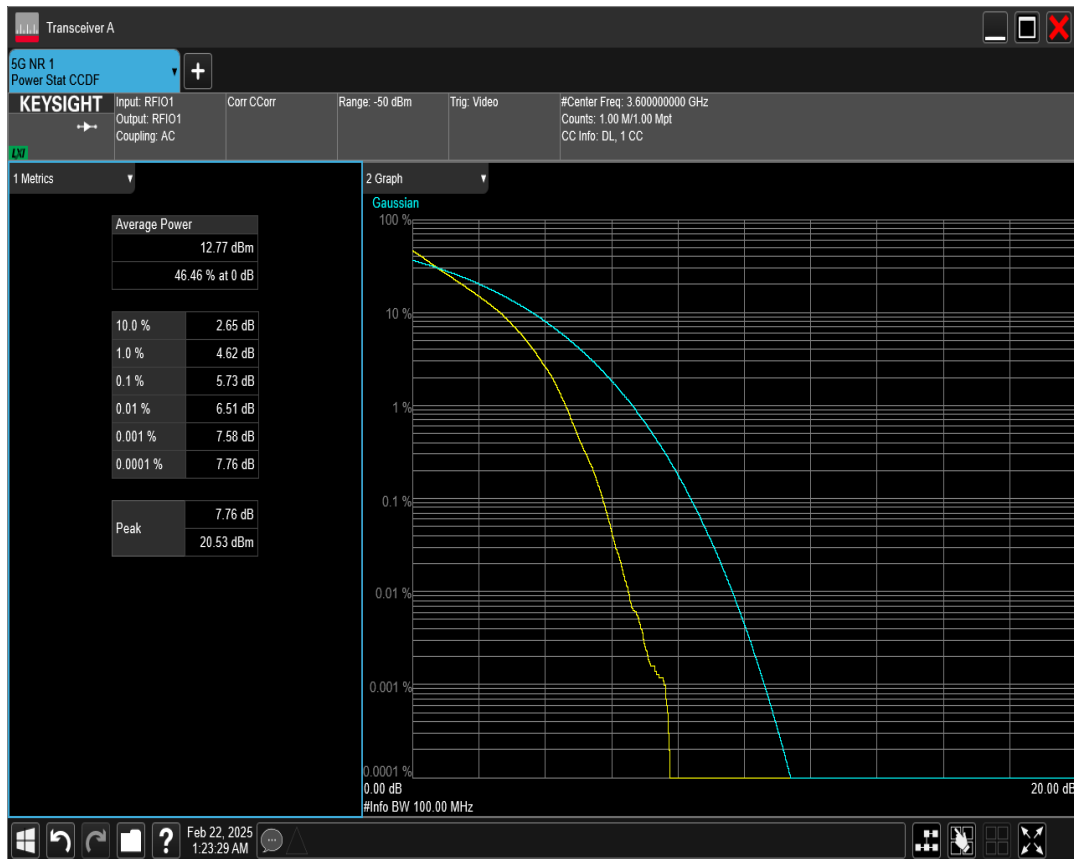


*n78(3550-3700) SCS=30kHz DFT\_QPSK BW=10MHz Channel=637000 RB=24@0*

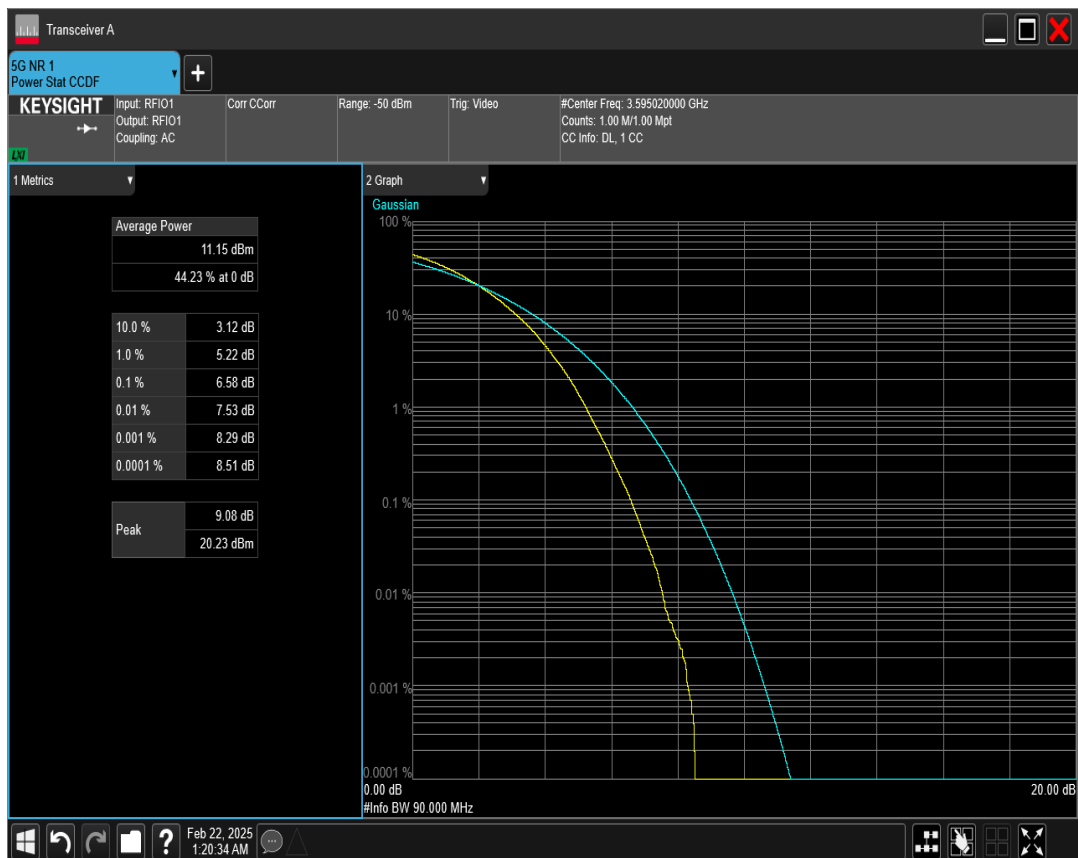


*n78(3550-3700) SCS=30kHz DFT\_QPSK BW=100MHz Channel=640000 RB=270@0*

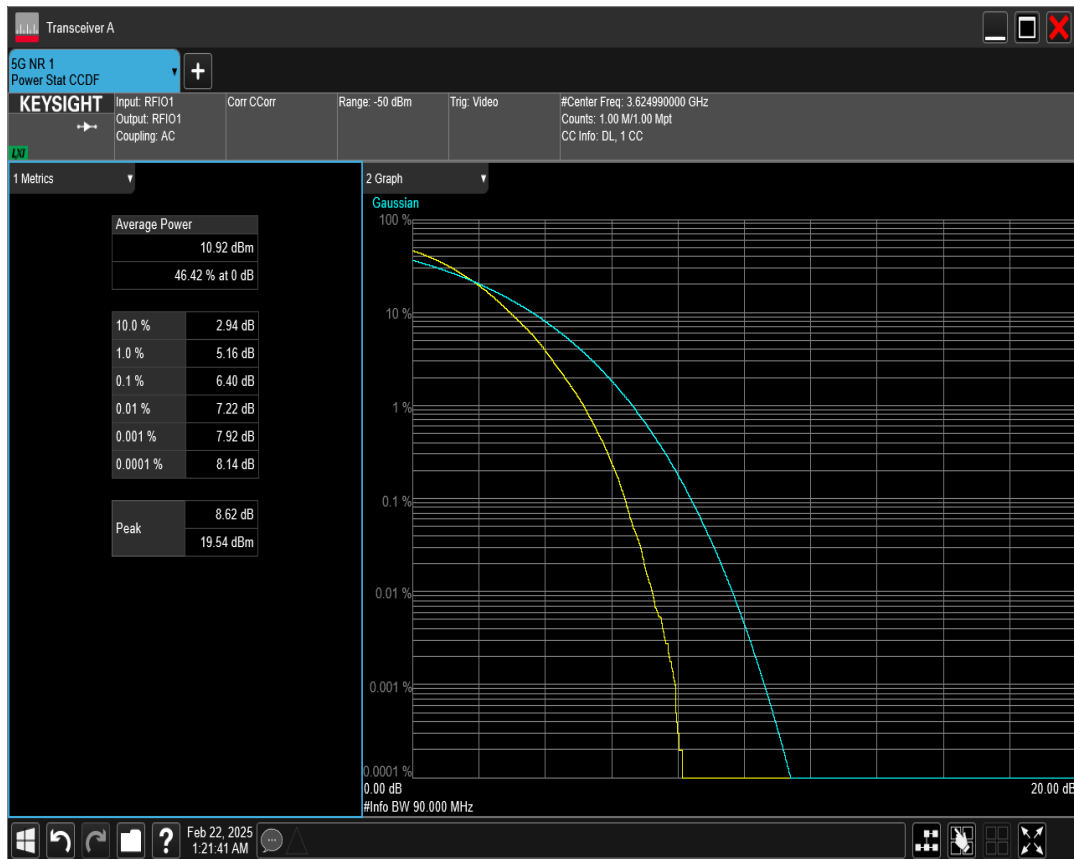




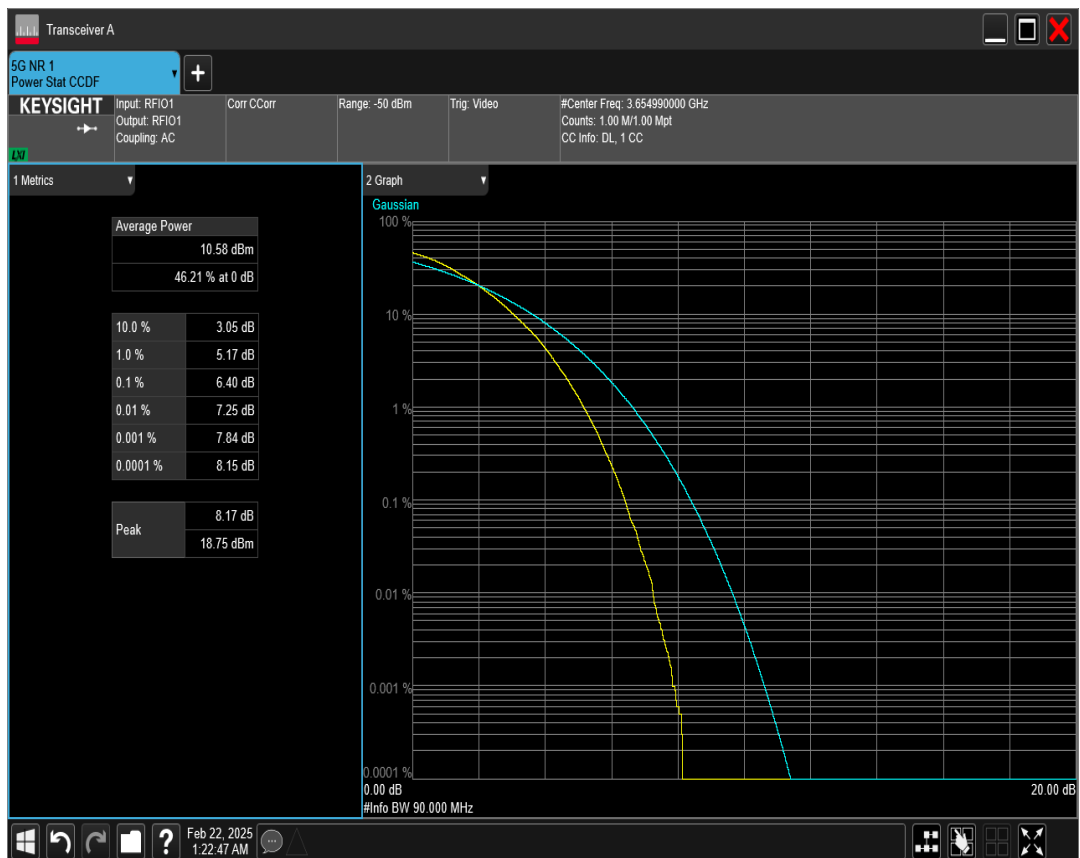
*n78(3550-3700) SCS=30kHz DFT\_QAM64 BW=90MHz Channel=639668 RB=240@0*



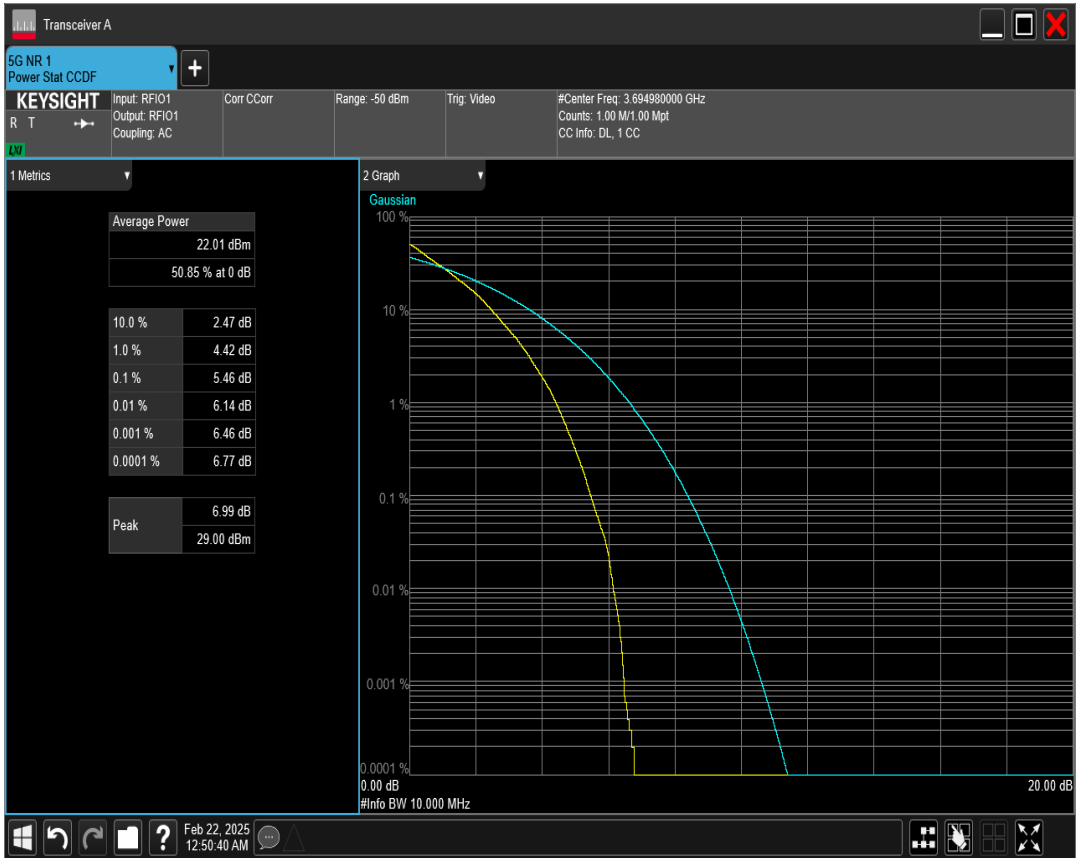
*n78(3550-3700) SCS=30kHz DFT\_QAM64 BW=90MHz Channel=641666 RB=240@0*



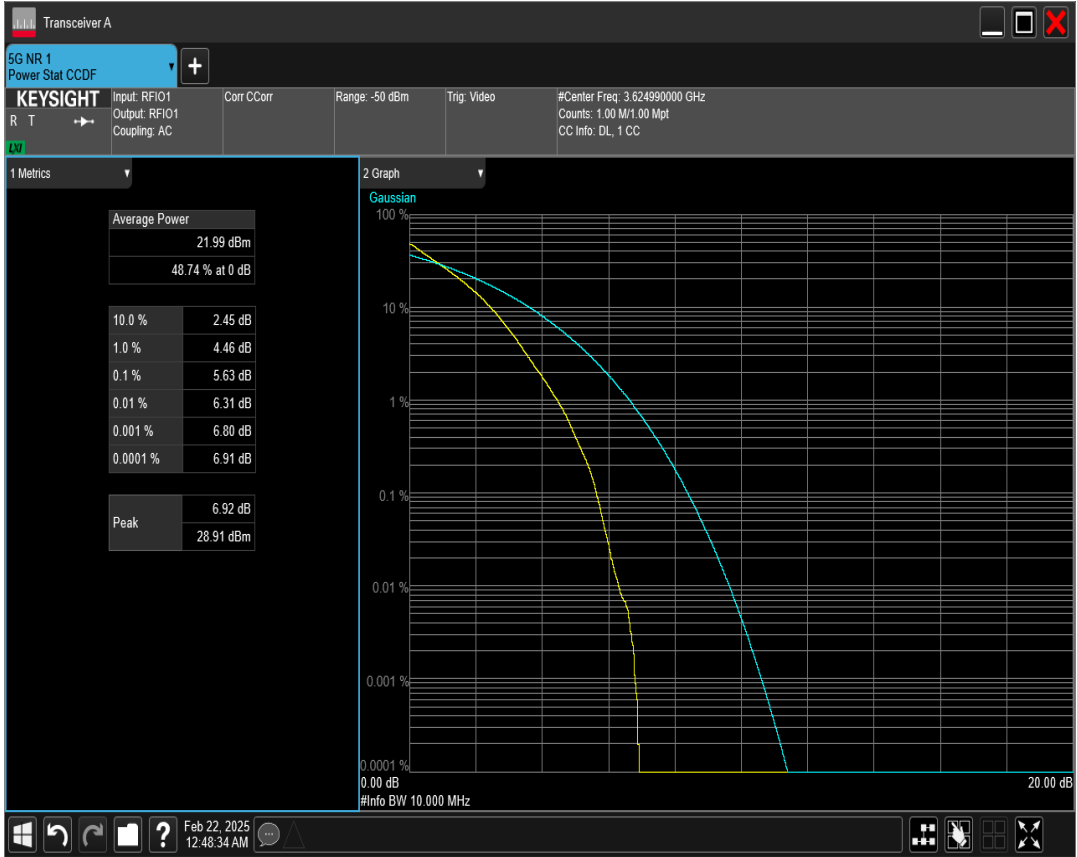
***n78(3550-3700) SCS=30kHz DFT\_QAM64 BW=90MHz Channel=643666 RB=240@0***



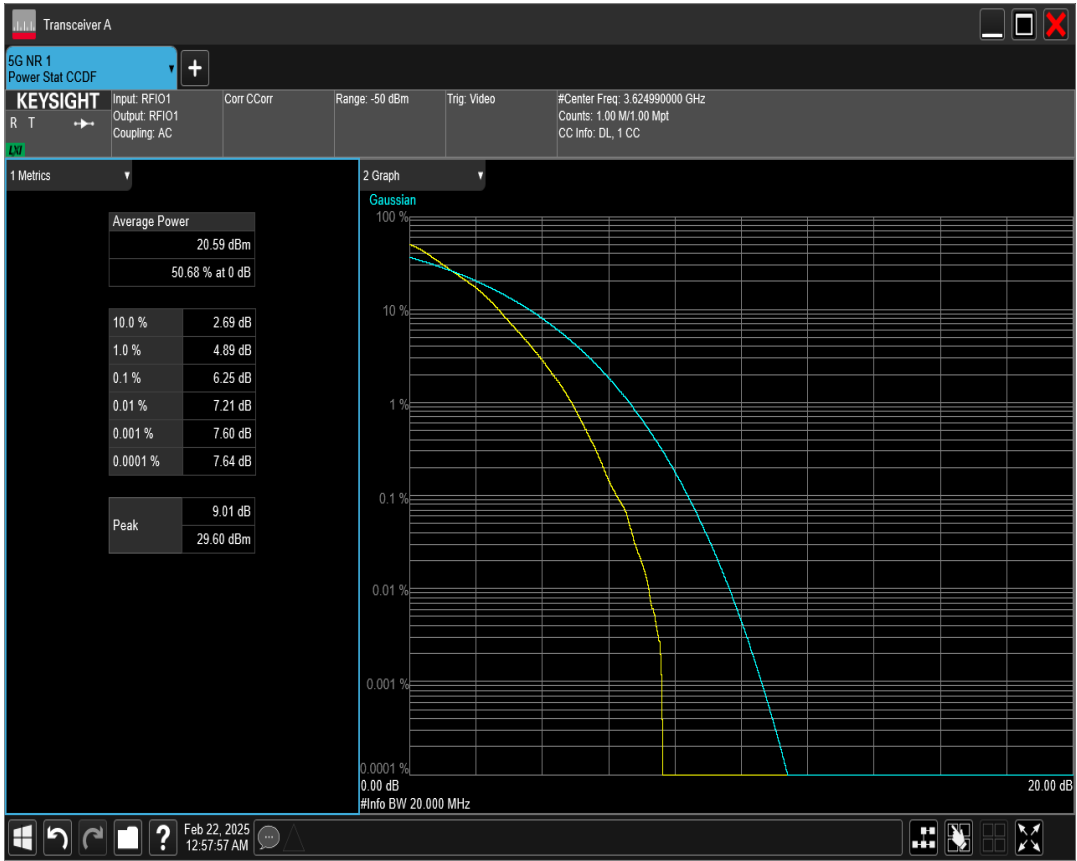
***n78(3550-3700) SCS=30kHz DFT\_QPSK BW=10MHz Channel=646332 RB=24@0***



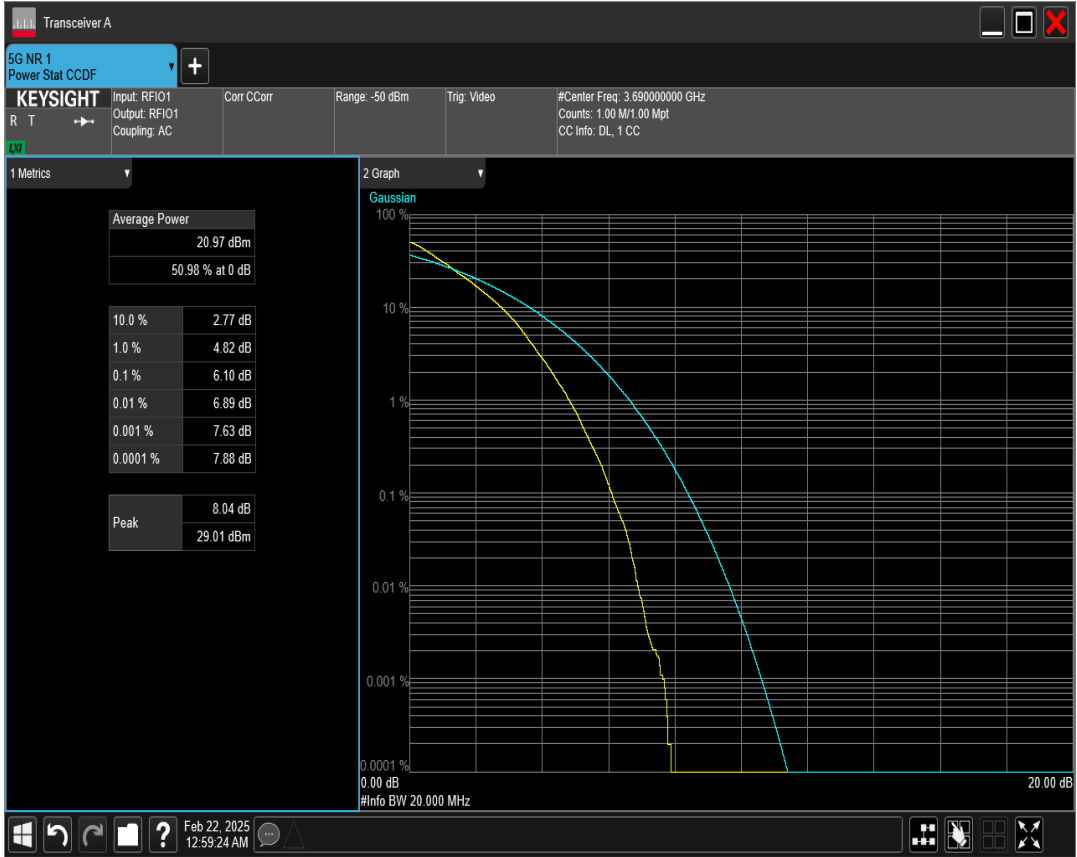
*n78(3550-3700) SCS=30kHz DFT\_QPSK BW=10MHz Channel=641666 RB=24@0*



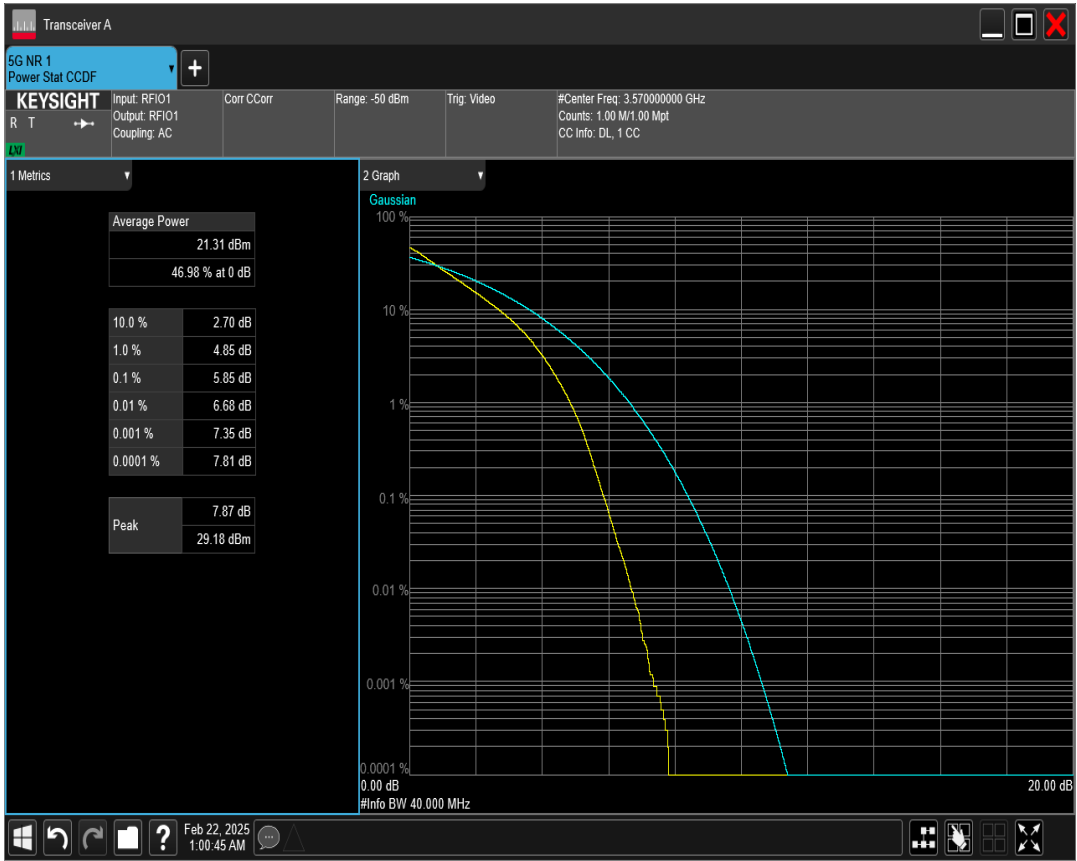
*n78(3550-3700) SCS=30kHz DFT\_QPSK BW=20MHz Channel=641666 RB=50@0*



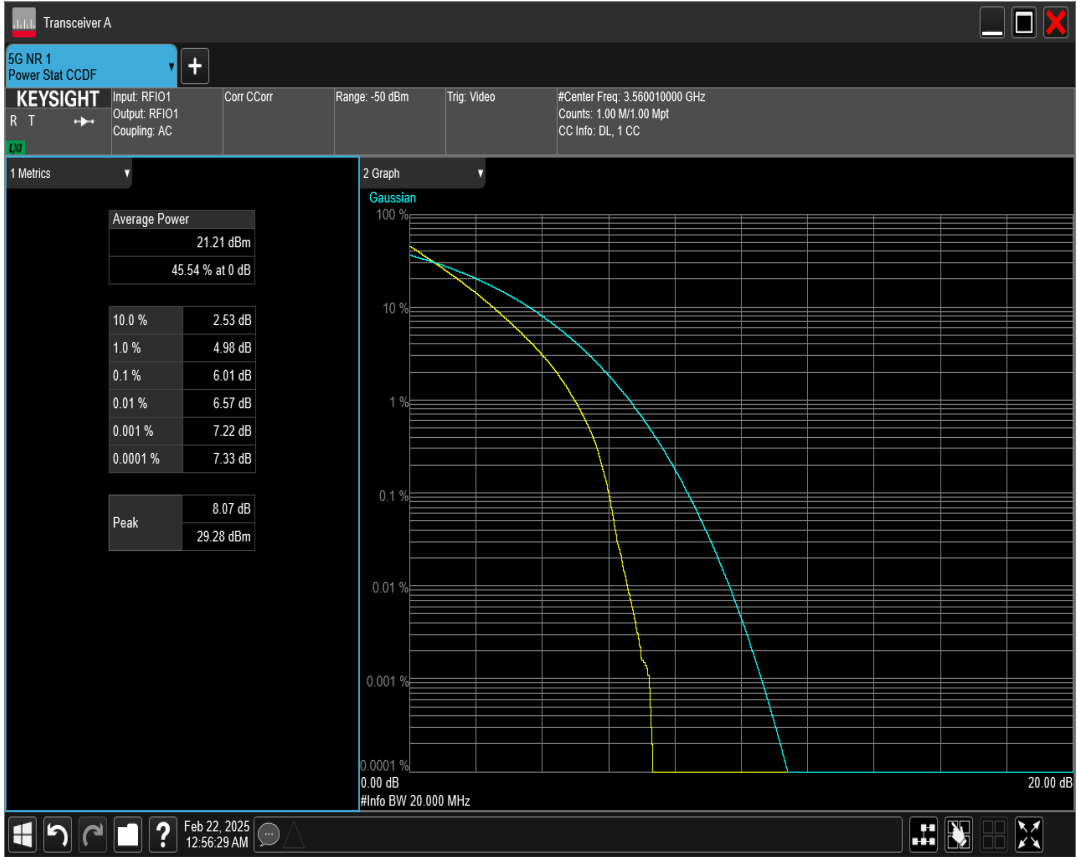
*n78(3550-3700) SCS=30kHz DFT\_QPSK BW=20MHz Channel=646000 RB=50@0*



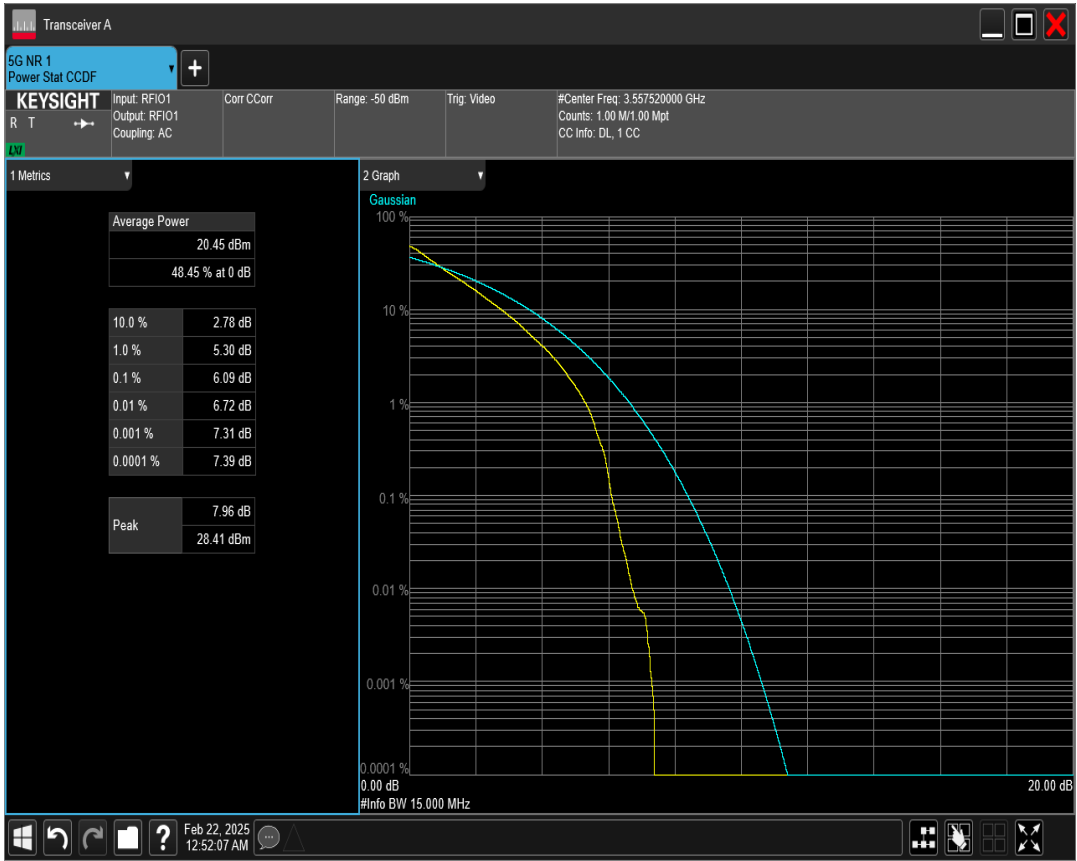
*n78(3550-3700) SCS=30kHz DFT\_QPSK BW=40MHz Channel=638000 RB=100@0*



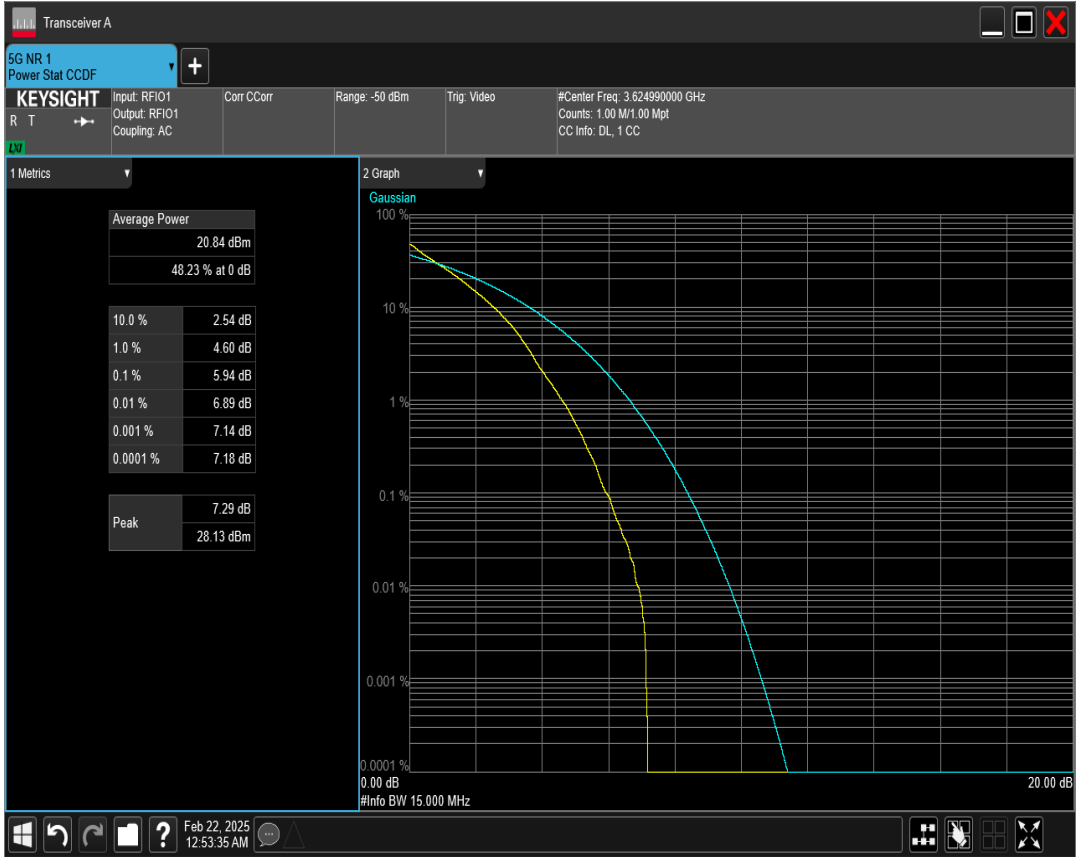
*n78(3550-3700) SCS=30kHz DFT\_QPSK BW=20MHz Channel=637334 RB=50@0*



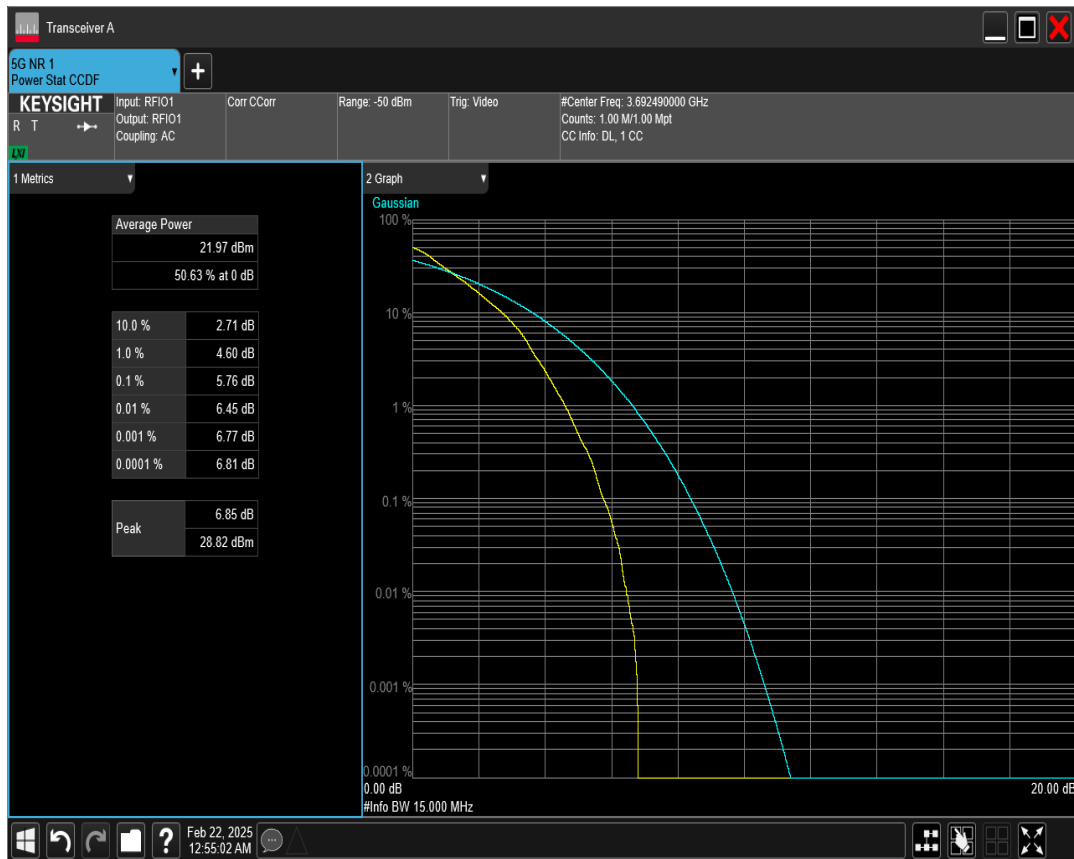
*n78(3550-3700) SCS=30kHz DFT\_QPSK BW=15MHz Channel=637168 RB=36@0*



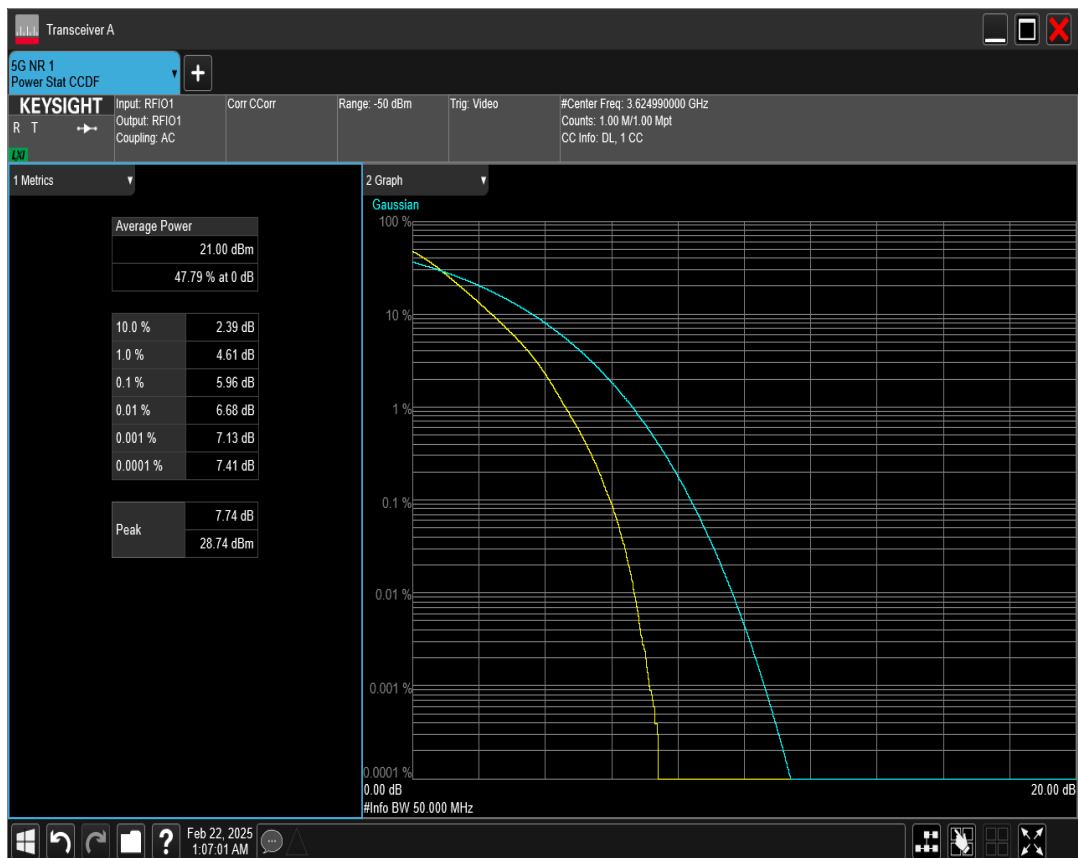
*n78(3550-3700) SCS=30kHz DFT\_QPSK BW=15MHz Channel=641666 RB=36@0*



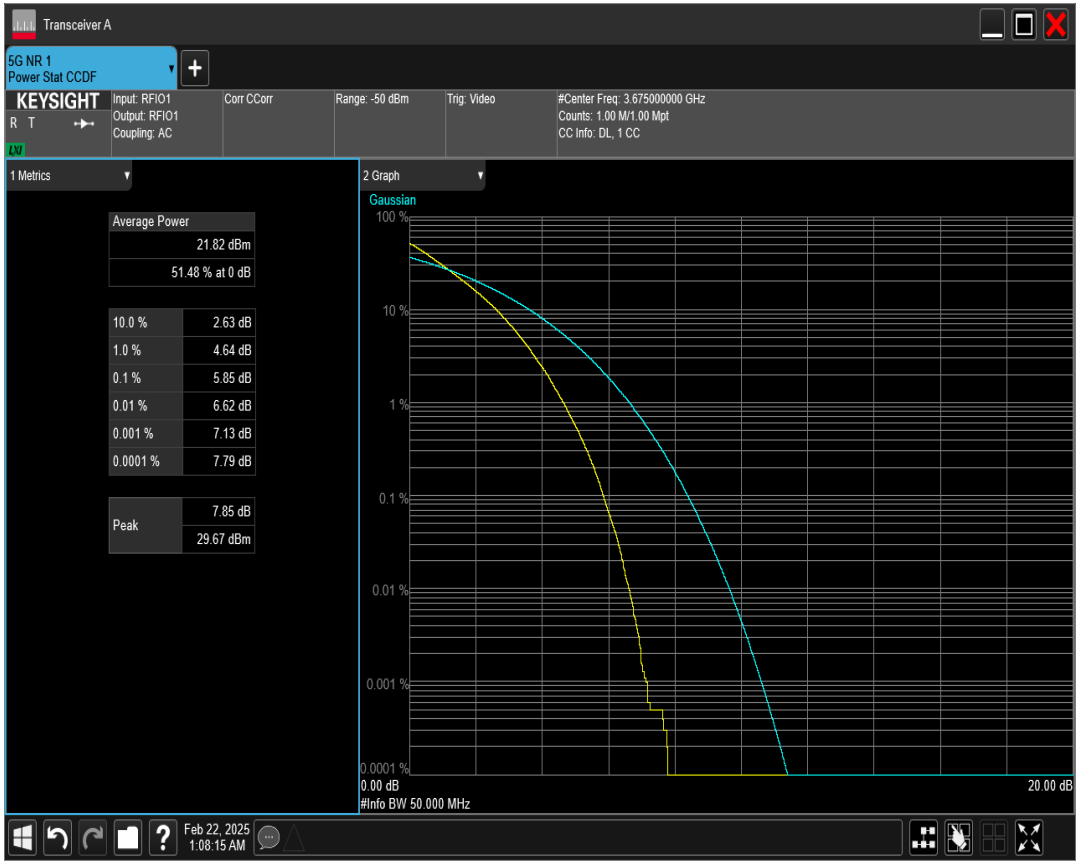
*n78(3550-3700) SCS=30kHz DFT\_QPSK BW=15MHz Channel=646166 RB=36@0*



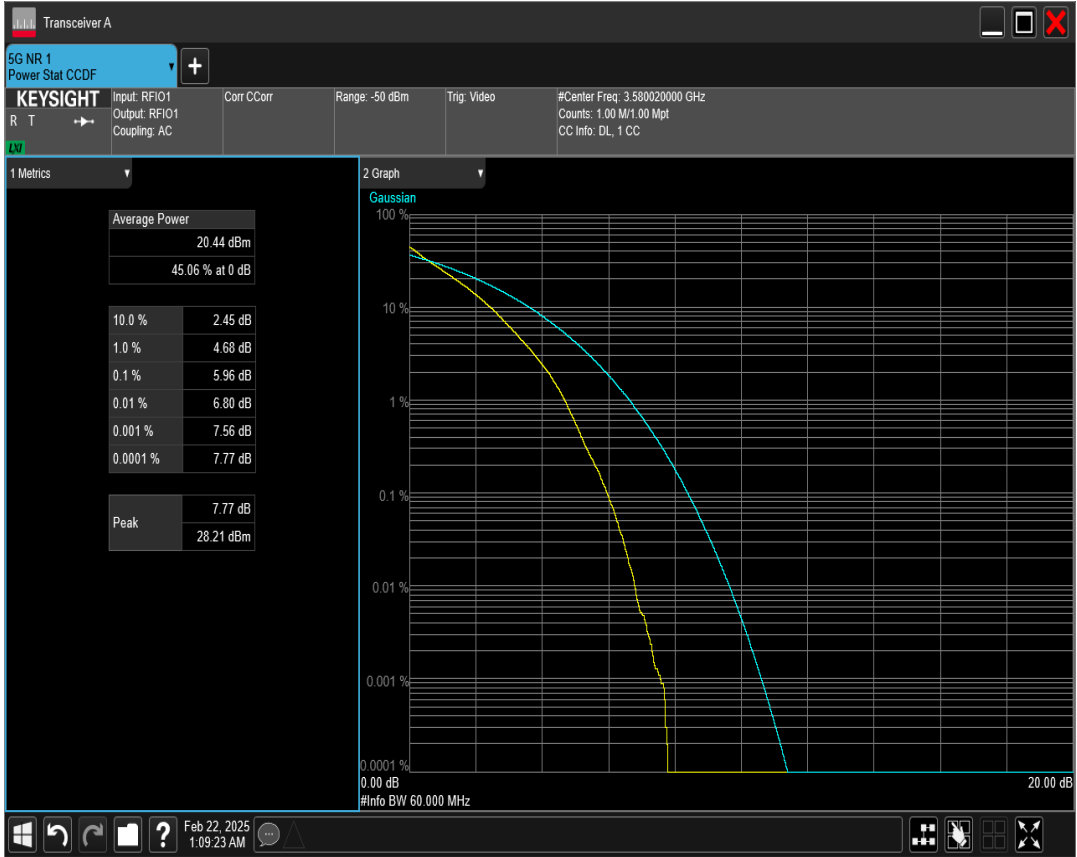
***n78(3550-3700) SCS=30kHz DFT\_QPSK BW=50MHz Channel=641666 RB=128@0***



***n78(3550-3700) SCS=30kHz DFT\_QPSK BW=50MHz Channel=645000 RB=128@0***

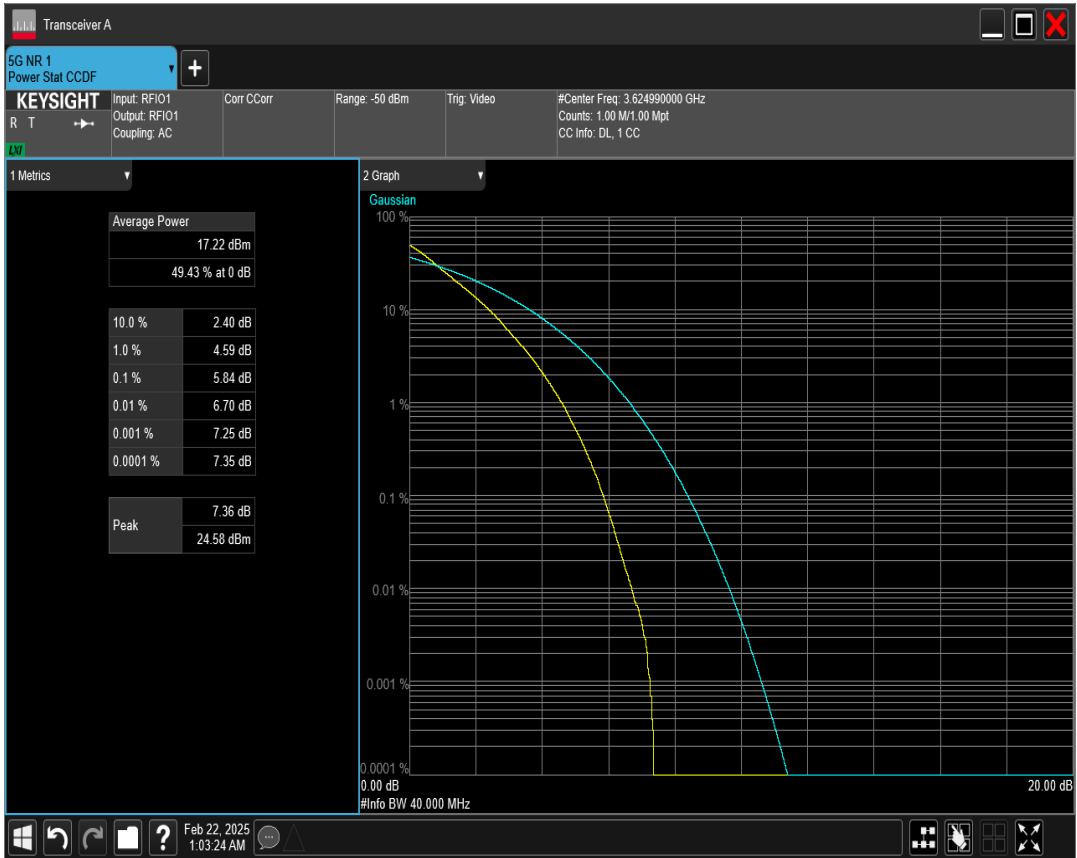


*n78(3550-3700) SCS=30kHz DFT\_QPSK BW=60MHz Channel=638668 RB=162@0*

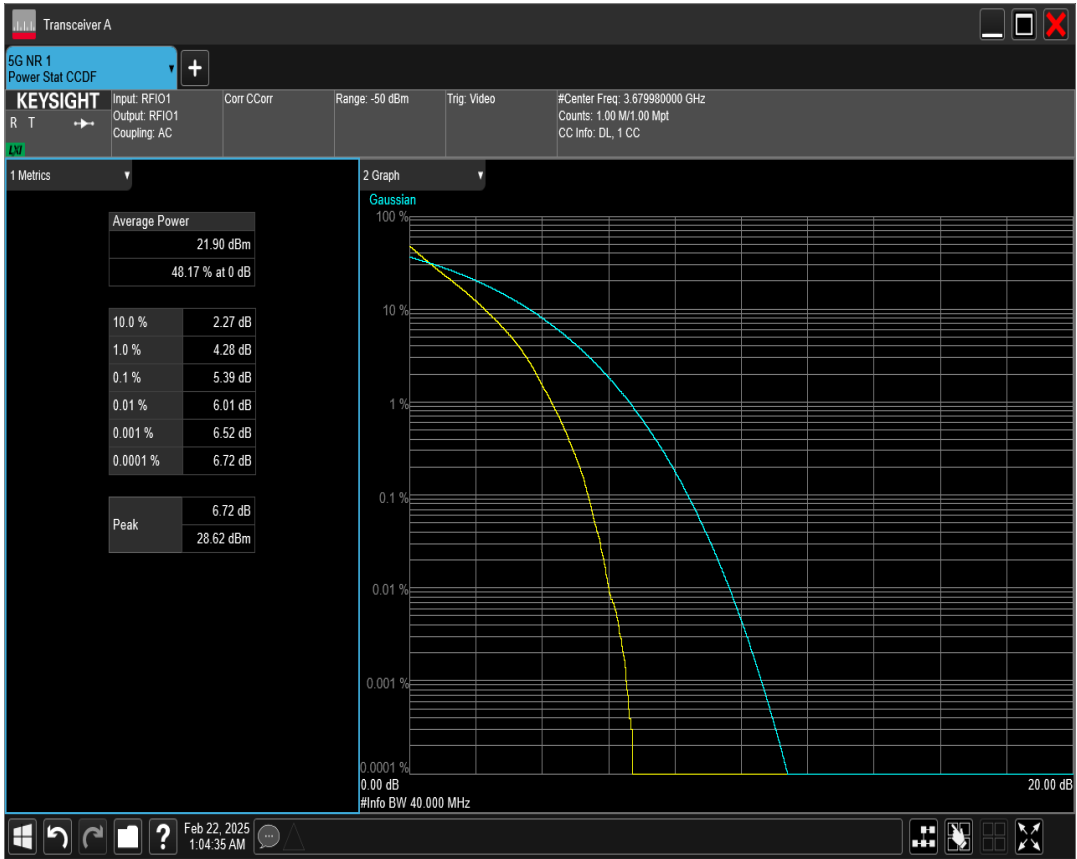


*n78(3550-3700) SCS=30kHz DFT\_QPSK BW=40MHz Channel=641666 RB=100@0*

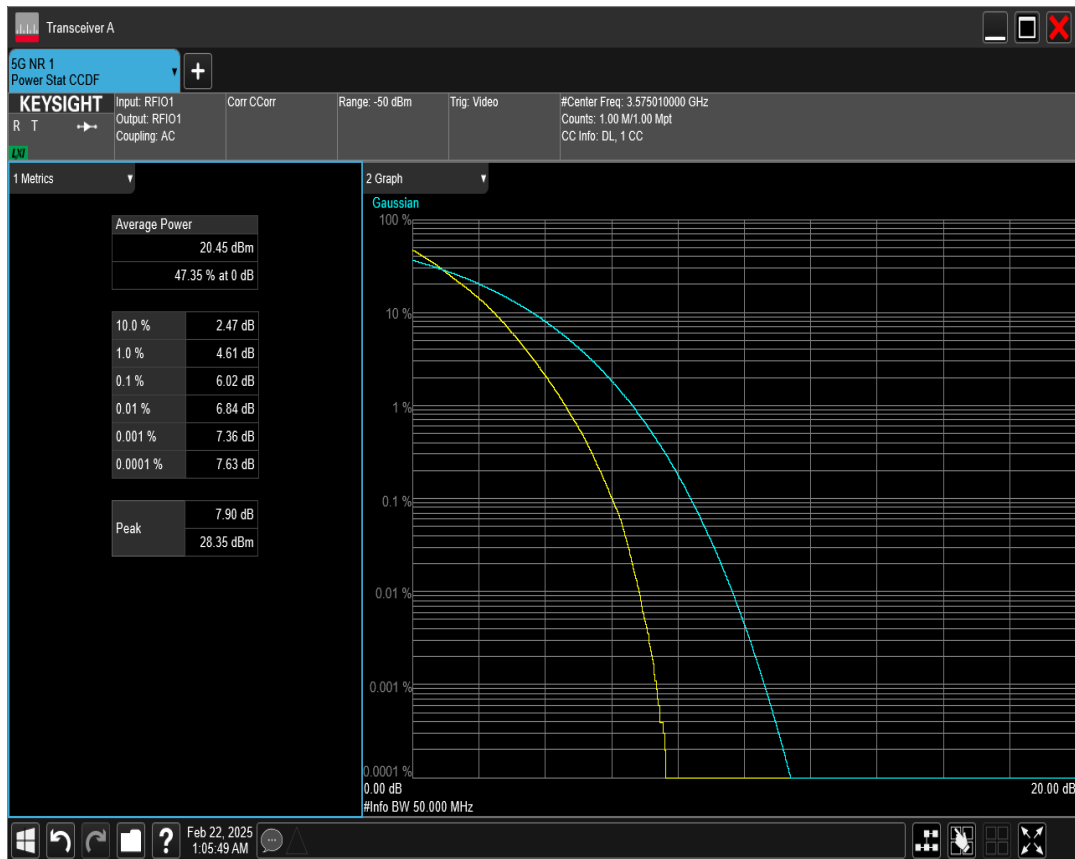




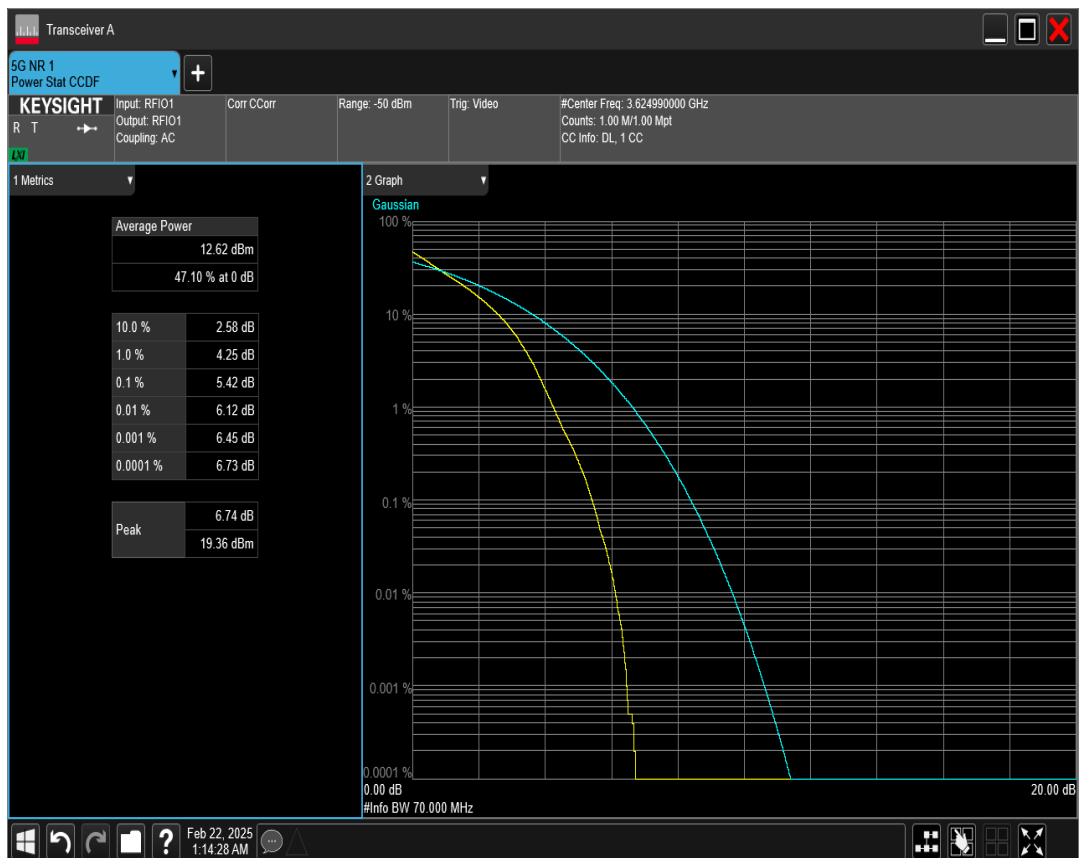
***n78(3550-3700) SCS=30kHz DFT\_QPSK BW=40MHz Channel=645332 RB=100@0***



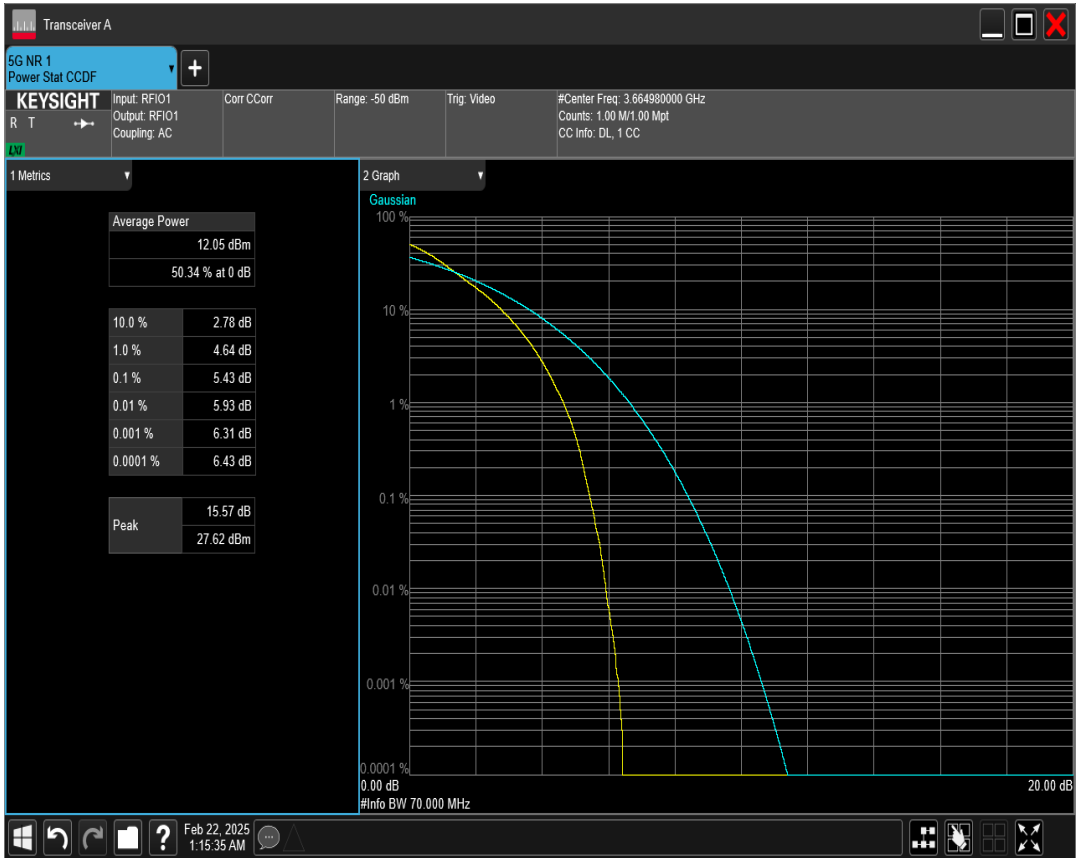
***n78(3550-3700) SCS=30kHz DFT\_QPSK BW=50MHz Channel=638334 RB=128@0***



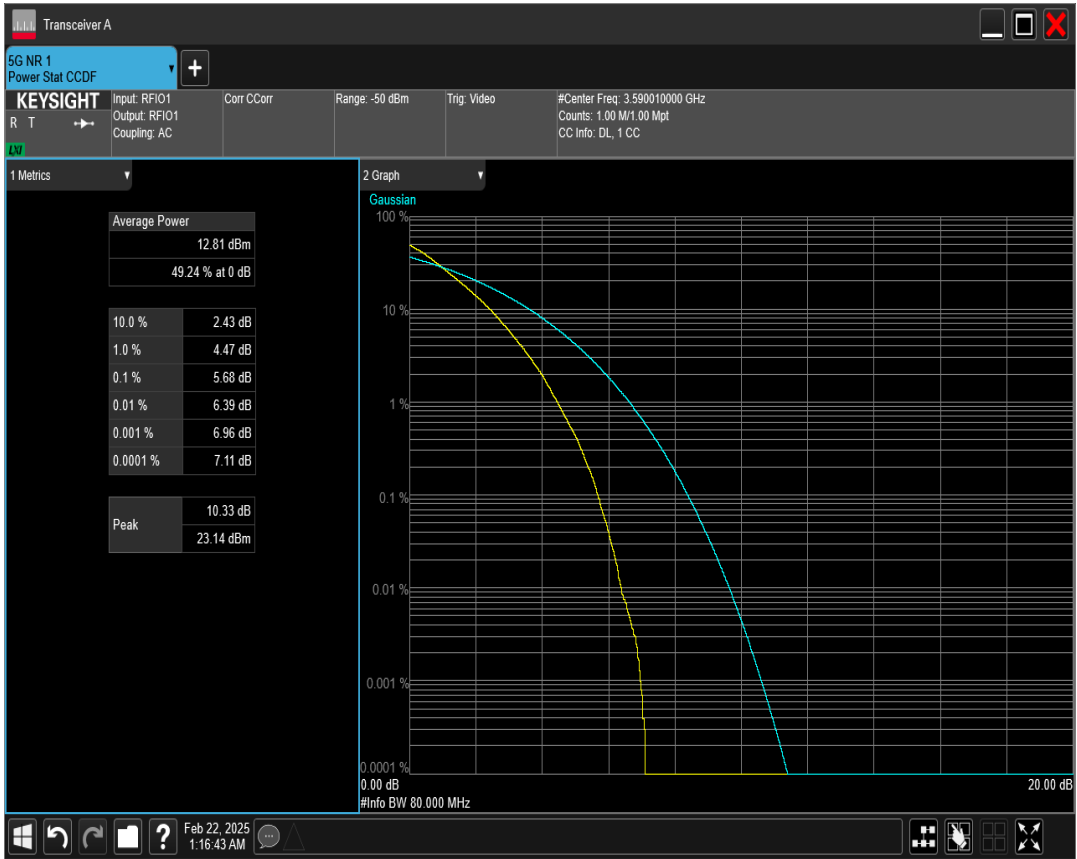
***n78(3550-3700) SCS=30kHz DFT\_QPSK BW=70MHz Channel=641666 RB=180@0***



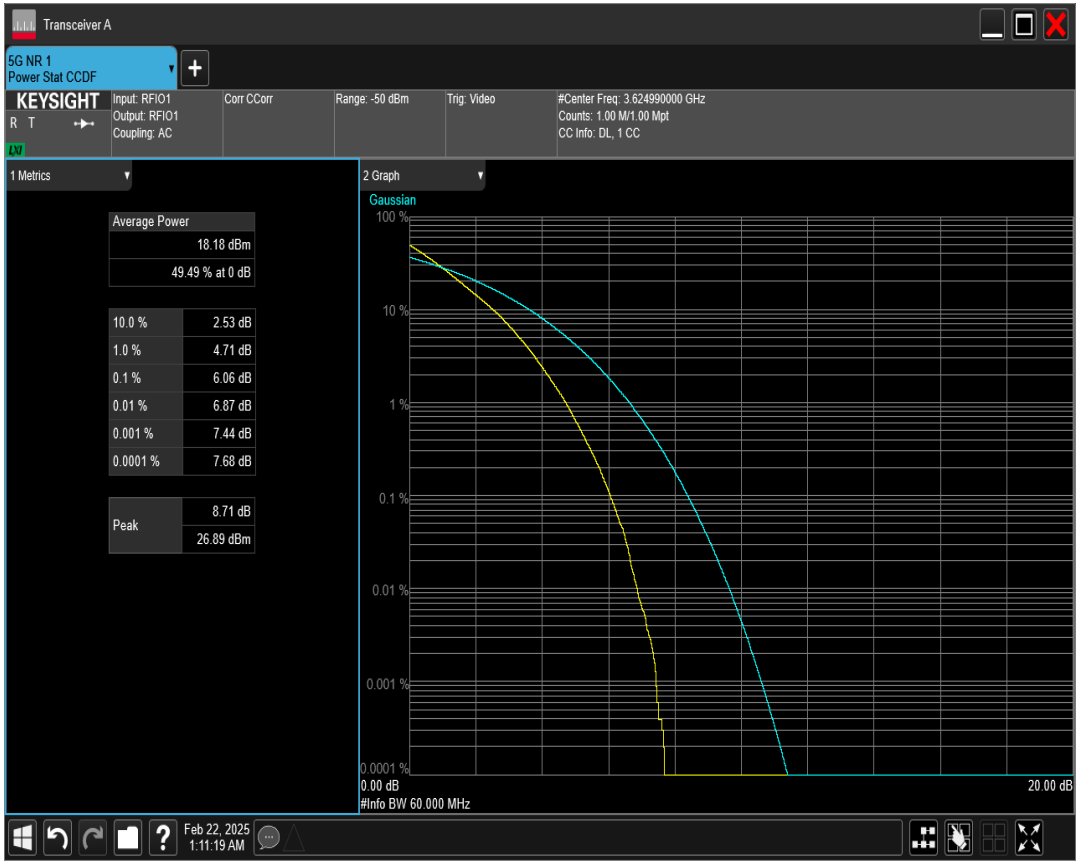
***n78(3550-3700) SCS=30kHz DFT\_QPSK BW=70MHz Channel=644332 RB=180@0***



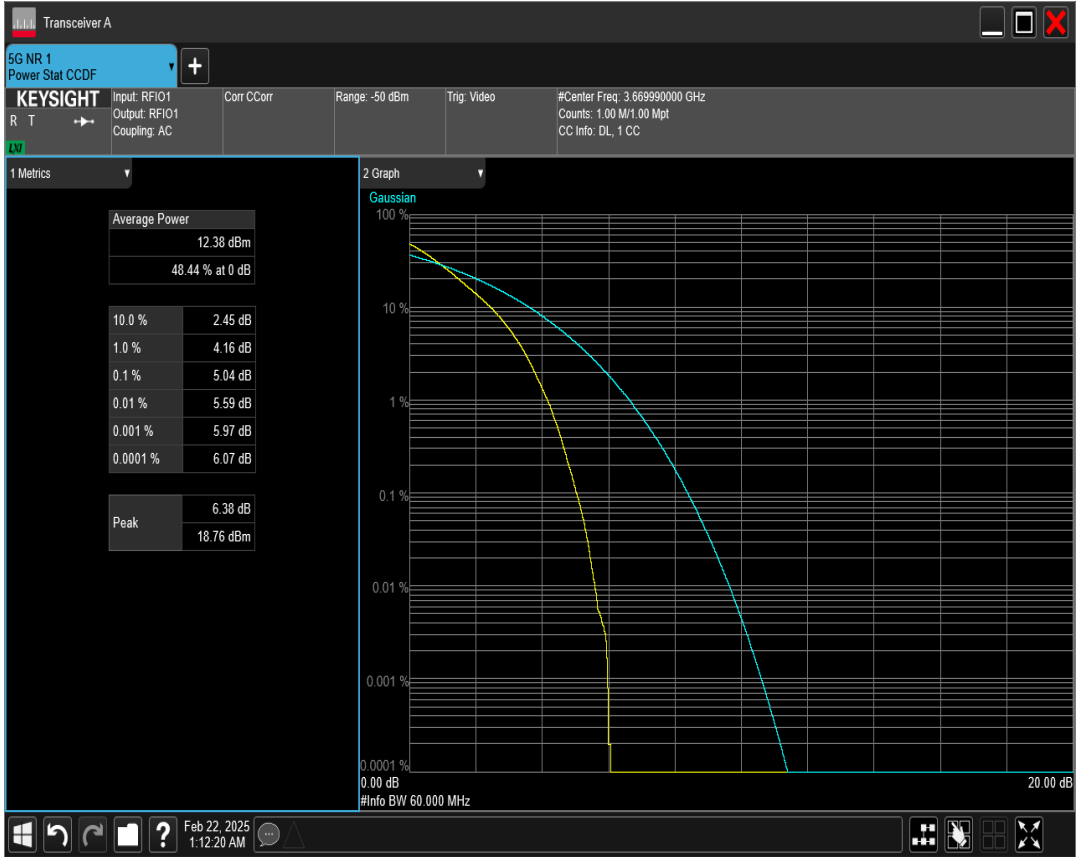
***n78(3550-3700) SCS=30kHz DFT\_QPSK BW=80MHz Channel=639334 RB=216@0***



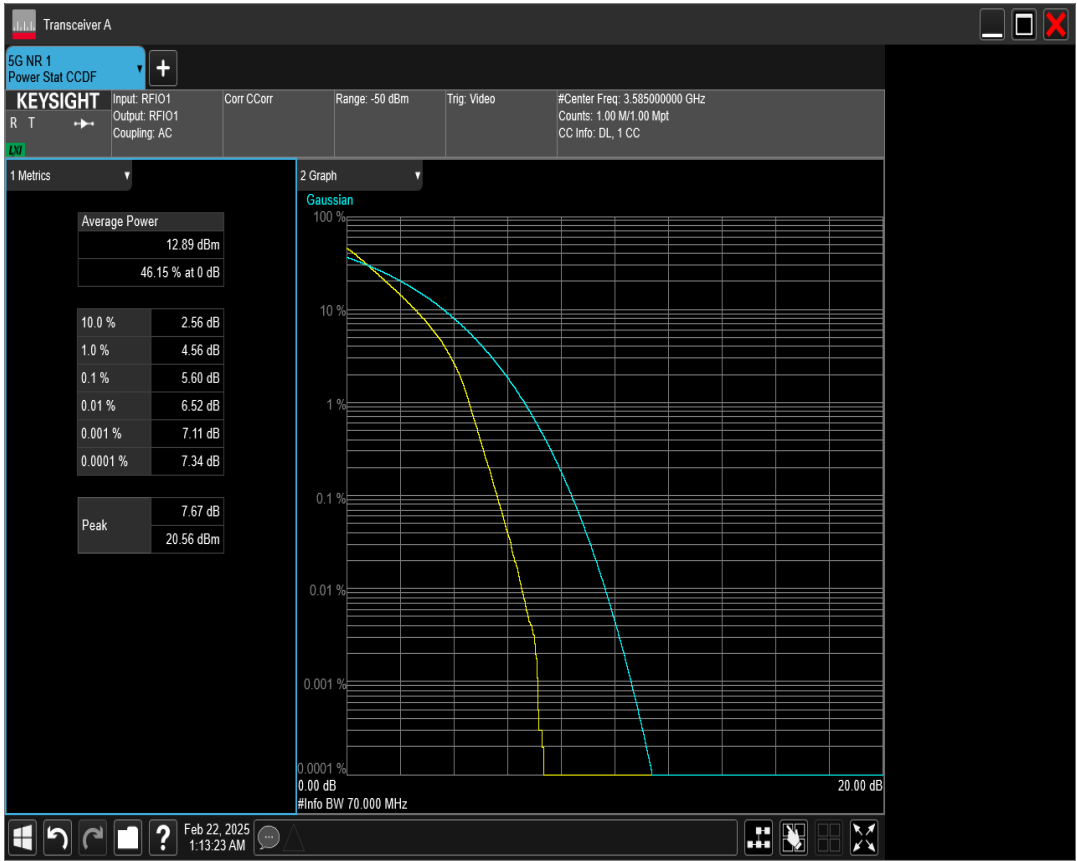
***n78(3550-3700) SCS=30kHz DFT\_QPSK BW=60MHz Channel=641666 RB=162@0***



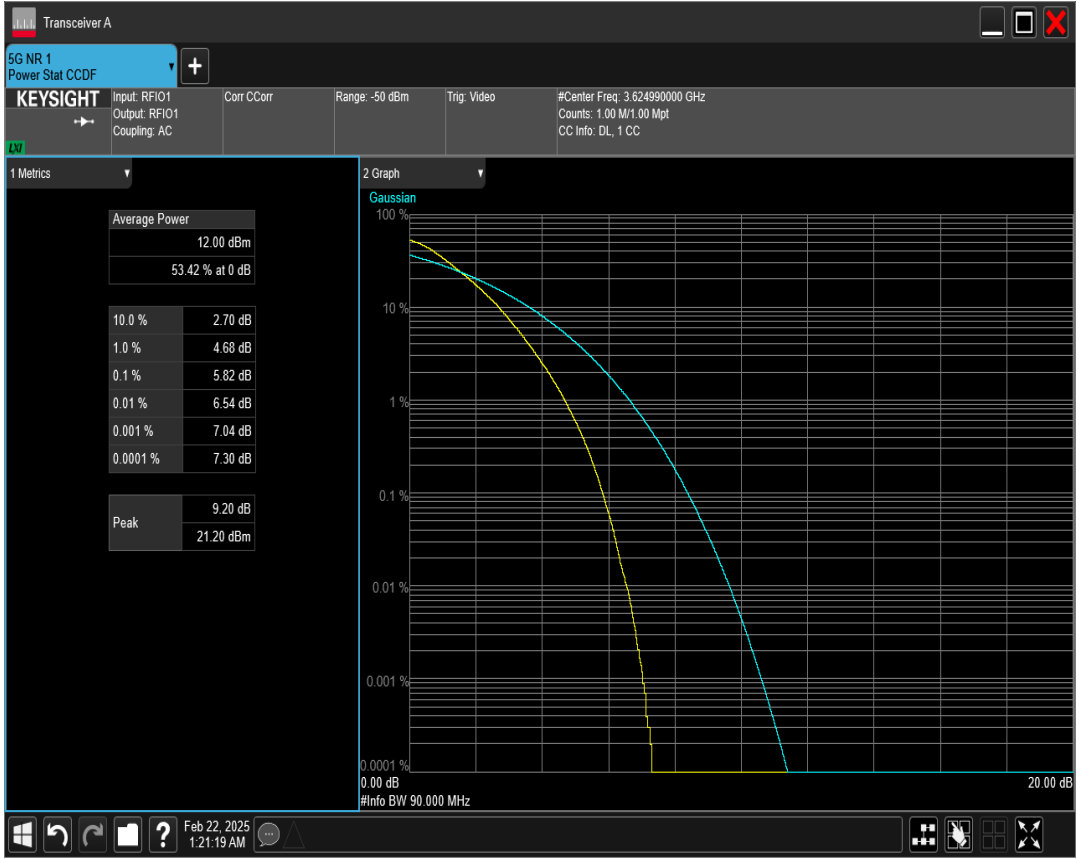
***n78(3550-3700) SCS=30kHz DFT\_QPSK BW=60MHz Channel=644666 RB=162@0***



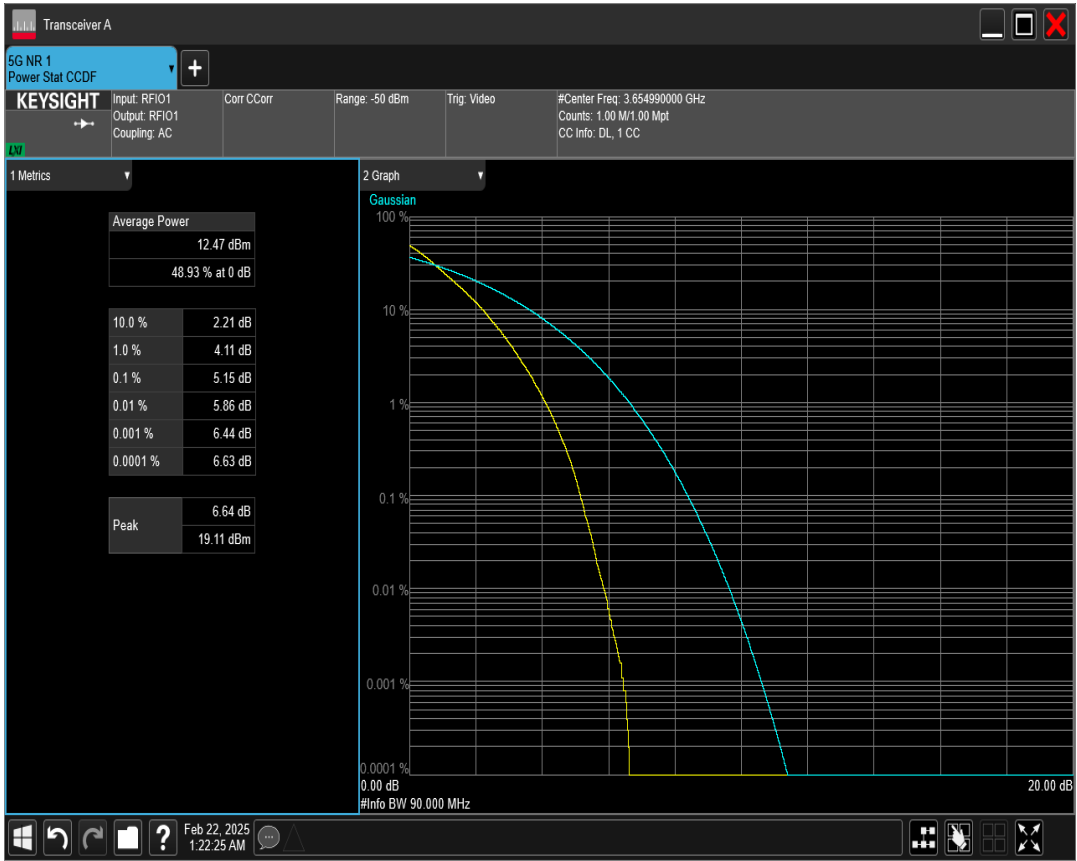
***n78(3550-3700) SCS=30kHz DFT\_QPSK BW=70MHz Channel=639000 RB=180@0***



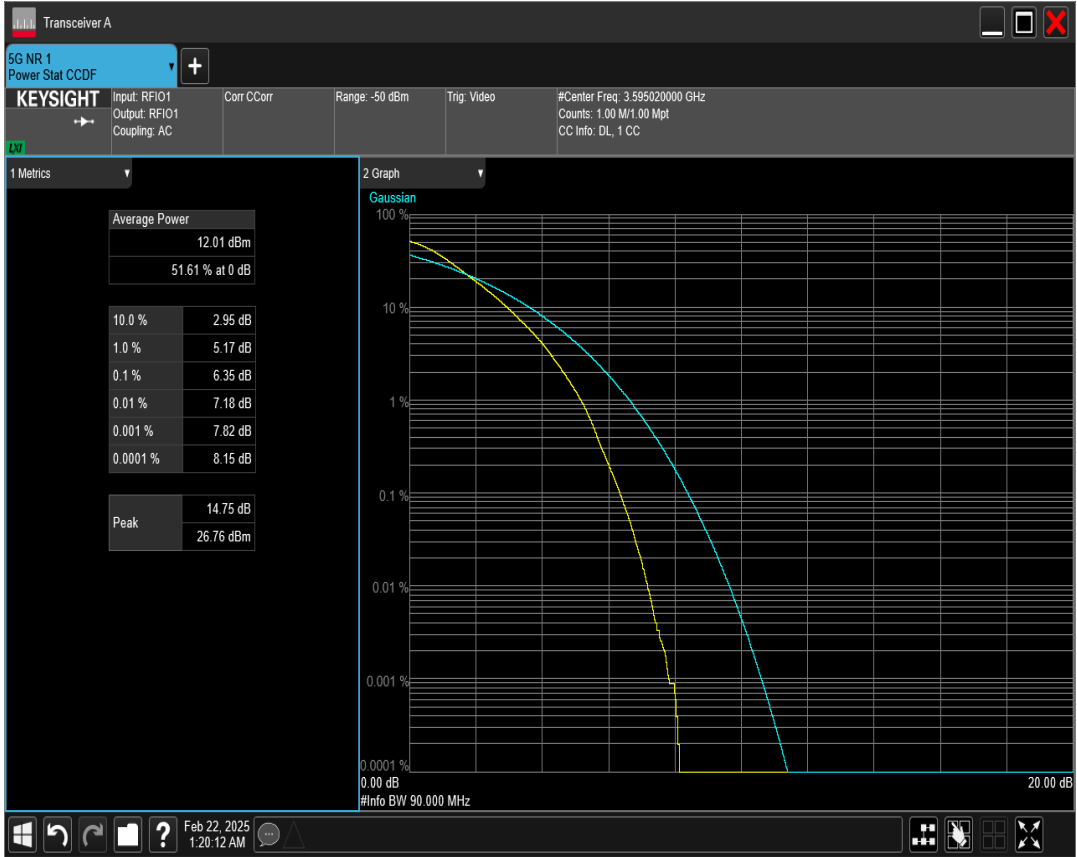
*n78(3550-3700) SCS=30kHz DFT\_QPSK BW=90MHz Channel=641666 RB=240@0*



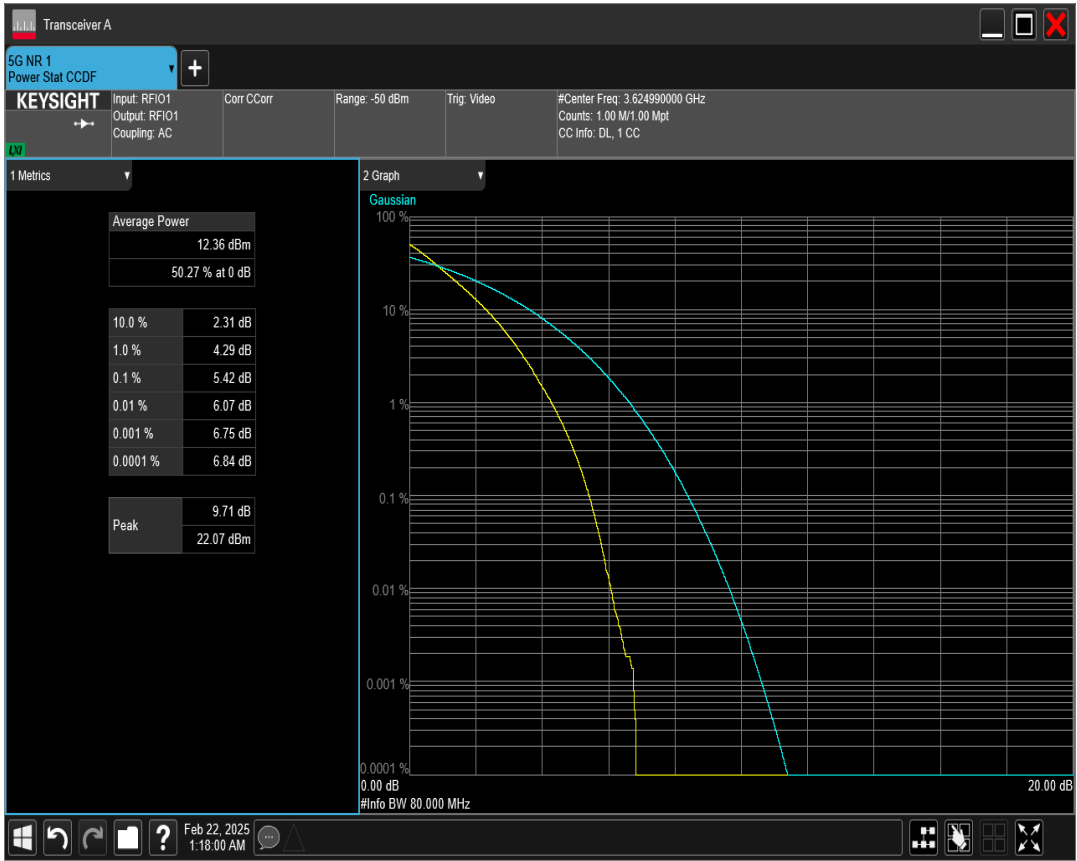
*n78(3550-3700) SCS=30kHz DFT\_QPSK BW=90MHz Channel=643666 RB=240@0*



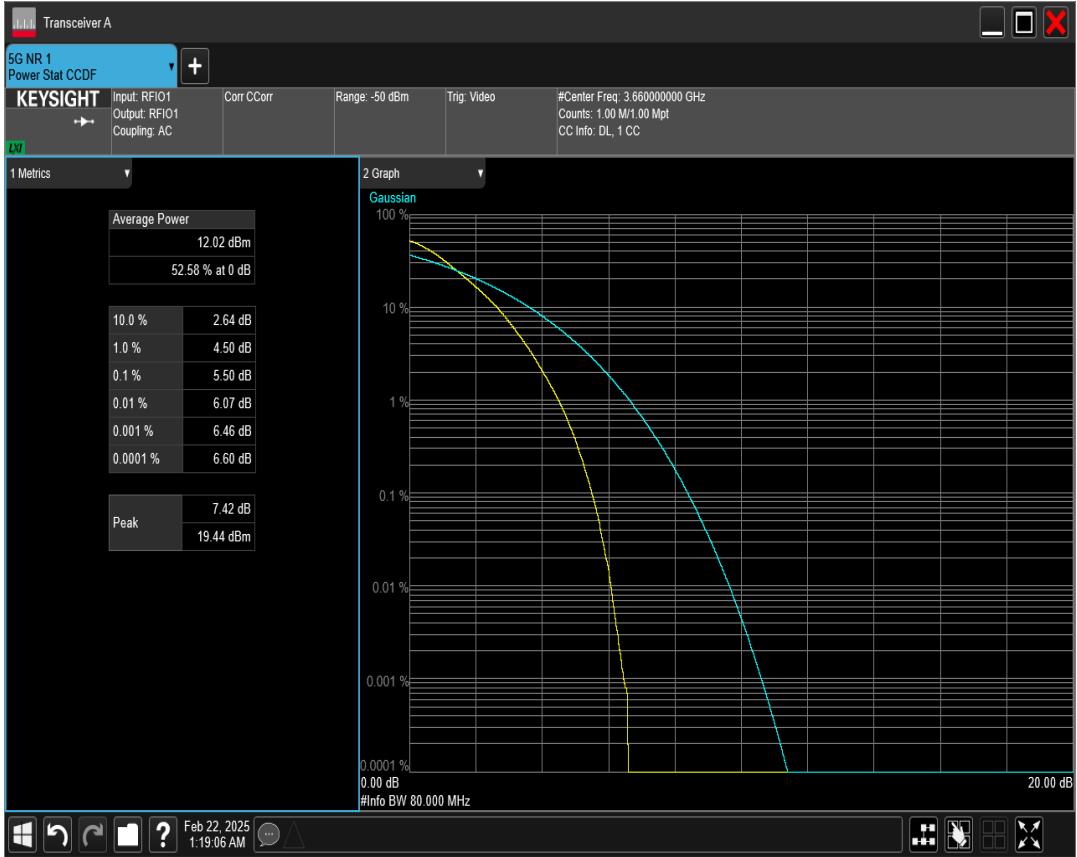
***n78(3550-3700) SCS=30kHz DFT\_QPSK BW=90MHz Channel=639668 RB=240@0***



***n78(3550-3700) SCS=30kHz DFT\_QPSK BW=80MHz Channel=641666 RB=216@0***



*n78(3550-3700) SCS=30kHz DFT\_QPSK BW=80MHz Channel=644000 RB=216@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(3550-3700) | 30                   | 10                         | 641666                | 24@0                     | DFT_BPSK          | 8.550                        | 8.910                          | PASS           |
| n78(3550-3700) | 30                   | 10                         | 641666                | 24@0                     | DFT_QPSK          | 8.560                        | 8.930                          | PASS           |
| n78(3550-3700) | 30                   | 10                         | 641666                | 24@0                     | DFT_QAM16         | 8.570                        | 8.850                          | PASS           |
| n78(3550-3700) | 30                   | 10                         | 641666                | 24@0                     | DFT_QAM64         | 8.560                        | 8.950                          | PASS           |
| n78(3550-3700) | 30                   | 10                         | 641666                | 24@0                     | DFT_QAM256        | 8.530                        | 8.940                          | PASS           |
| n78(3550-3700) | 30                   | 15                         | 641666                | 36@0                     | DFT_BPSK          | 13.560                       | 13.220                         | PASS           |
| n78(3550-3700) | 30                   | 15                         | 641666                | 36@0                     | DFT_QPSK          | 13.470                       | 13.280                         | PASS           |
| n78(3550-3700) | 30                   | 15                         | 641666                | 36@0                     | DFT_QAM16         | 13.550                       | 13.270                         | PASS           |
| n78(3550-3700) | 30                   | 15                         | 641666                | 36@0                     | DFT_QAM64         | 13.500                       | 13.200                         | PASS           |
| n78(3550-3700) | 30                   | 15                         | 641666                | 36@0                     | DFT_QAM256        | 13.500                       | 13.150                         | PASS           |
| n78(3550-3700) | 30                   | 20                         | 641666                | 50@0                     | DFT_BPSK          | 18.140                       | 18.290                         | PASS           |
| n78(3550-3700) | 30                   | 20                         | 641666                | 50@0                     | DFT_QPSK          | 18.120                       | 18.280                         | PASS           |
| n78(3550-3700) | 30                   | 20                         | 641666                | 50@0                     | DFT_QAM16         | 18.060                       | 18.250                         | PASS           |
| n78(3550-3700) | 30                   | 20                         | 641666                | 50@0                     | DFT_QAM64         | 18.080                       | 18.330                         | PASS           |
| n78(3550-3700) | 30                   | 20                         | 641666                | 50@0                     | DFT_QAM256        | 17.960                       | 18.320                         | PASS           |
| n78(3550-3700) | 30                   | 40                         | 641666                | 100@0                    | DFT_BPSK          | 37.450                       | 36.290                         | PASS           |
| n78(3550-3700) | 30                   | 40                         | 641666                | 100@0                    | DFT_QPSK          | 37.570                       | 36.300                         | PASS           |
| n78(3550-3700) | 30                   | 40                         | 641666                | 100@0                    | DFT_QAM16         | 37.410                       | 36.250                         | PASS           |
| n78(3550-3700) | 30                   | 40                         | 641666                | 100@0                    | DFT_QAM64         | 37.550                       | 36.420                         | PASS           |
| n78(3550-3700) | 30                   | 40                         | 641666                | 100@0                    | DFT_QAM256        | 37.400                       | 36.320                         | PASS           |
| n78(3550-3700) | 30                   | 50                         | 641666                | 128@0                    | DFT_BPSK          | 47.070                       | 46.440                         | PASS           |
| n78(3550-3700) | 30                   | 50                         | 641666                | 128@0                    | DFT_QPSK          | 46.900                       | 46.440                         | PASS           |
| n78(3550-3700) | 30                   | 50                         | 641666                | 128@0                    | DFT_QAM16         | 46.960                       | 46.240                         | PASS           |
| n78(3550-3700) | 30                   | 50                         | 641666                | 128@0                    | DFT_QAM64         | 47.070                       | 46.410                         | PASS           |
| n78(3550-3700) | 30                   | 50                         | 641666                | 128@0                    | DFT_QAM256        | 47.080                       | 46.350                         | PASS           |
| n78(3550-3700) | 30                   | 60                         | 641666                | 162@0                    | DFT_BPSK          | 57.760                       | 58.660                         | PASS           |
| n78(3550-3700) | 30                   | 60                         | 641666                | 162@0                    | DFT_QPSK          | 57.790                       | 58.630                         | PASS           |
| n78(3550-3700) | 30                   | 60                         | 641666                | 162@0                    | DFT_QAM16         | 57.710                       | 58.640                         | PASS           |
| n78(3550-3700) | 30                   | 60                         | 641666                | 162@0                    | DFT_QAM64         | 57.630                       | 58.590                         | PASS           |
| n78(3550-3700) | 30                   | 60                         | 641666                | 162@0                    | DFT_QAM256        | 57.720                       | 58.590                         | PASS           |
| n78(3550-3700) | 30                   | 70                         | 641666                | 180@0                    | DFT_BPSK          | 66.660                       | 65.190                         | PASS           |
| n78(3550-3700) | 30                   | 70                         | 641666                | 180@0                    | DFT_QPSK          | 66.830                       | 65.040                         | PASS           |
| n78(3550-3700) | 30                   | 70                         | 641666                | 180@0                    | DFT_QAM16         | 66.660                       | 65.090                         | PASS           |
| n78(3550-3700) | 30                   | 70                         | 641666                | 180@0                    | DFT_QAM64         | 66.680                       | 65.050                         | PASS           |
| n78(3550-3700) | 30                   | 70                         | 641666                | 180@0                    | DFT_QAM256        | 66.650                       | 65.140                         | PASS           |
| n78(3550-3700) | 30                   | 80                         | 641666                | 216@0                    | DFT_BPSK          | 77.040                       | 78.140                         | PASS           |
| n78(3550-3700) | 30                   | 80                         | 641666                | 216@0                    | DFT_QPSK          | 77.050                       | 78.150                         | PASS           |
| n78(3550-3700) | 30                   | 80                         | 641666                | 216@0                    | DFT_QAM16         | 76.940                       | 78.100                         | PASS           |
| n78(3550-3700) | 30                   | 80                         | 641666                | 216@0                    | DFT_QAM64         | 77.030                       | 78.110                         | PASS           |



|                |    |     |        |       |            |        |        |      |
|----------------|----|-----|--------|-------|------------|--------|--------|------|
| n78(3550-3700) | 30 | 80  | 641666 | 216@0 | DFT_QAM256 | 76.940 | 78.100 | PASS |
| n78(3550-3700) | 30 | 90  | 641666 | 240@0 | DFT_BPSK   | 86.540 | 86.740 | PASS |
| n78(3550-3700) | 30 | 90  | 641666 | 240@0 | DFT_QPSK   | 86.650 | 86.690 | PASS |
| n78(3550-3700) | 30 | 90  | 641666 | 240@0 | DFT_QAM16  | 86.410 | 86.730 | PASS |
| n78(3550-3700) | 30 | 90  | 641666 | 240@0 | DFT_QAM64  | 86.560 | 86.730 | PASS |
| n78(3550-3700) | 30 | 90  | 641666 | 240@0 | DFT_QAM256 | 86.650 | 86.660 | PASS |
| n78(3550-3700) | 30 | 100 | 641666 | 270@0 | DFT_BPSK   | 96.290 | 97.530 | PASS |
| n78(3550-3700) | 30 | 100 | 641666 | 270@0 | DFT_QPSK   | 96.550 | 97.610 | PASS |
| n78(3550-3700) | 30 | 100 | 641666 | 270@0 | DFT_QAM16  | 96.330 | 97.630 | PASS |
| n78(3550-3700) | 30 | 100 | 641666 | 270@0 | DFT_QAM64  | 96.180 | 97.450 | PASS |
| n78(3550-3700) | 30 | 100 | 641666 | 270@0 | DFT_QAM256 | 96.330 | 97.520 | PASS |

**n78(3550-3700) SCS=30kHz DFT\_BPSK BW=100MHz Channel=641666 RB=270@0**



**n78(3550-3700) SCS=30kHz DFT\_BPSK BW=10MHz Channel=641666 RB=24@0**



*n78(3550-3700) SCS=30kHz DFT\_BPSK BW=15MHz Channel=641666 RB=36@0*



*n78(3550-3700) SCS=30kHz DFT\_BPSK BW=20MHz Channel=641666 RB=50@0*



***n78(3550-3700) SCS=30kHz DFT\_BPSK BW=40MHz Channel=641666 RB=100@0***



***n78(3550-3700) SCS=30kHz DFT\_BPSK BW=60MHz Channel=641666 RB=162@0***



***n78(3550-3700) SCS=30kHz DFT\_BPSK BW=50MHz Channel=641666 RB=128@0***



***n78(3550-3700) SCS=30kHz DFT\_BPSK BW=70MHz Channel=641666 RB=180@0***



*n78(3550-3700) SCS=30kHz DFT\_BPSK BW=80MHz Channel=641666 RB=216@0*



*n78(3550-3700) SCS=30kHz DFT\_BPSK BW=90MHz Channel=641666 RB=240@0*



n78(3550-3700) SCS=30kHz DFT\_QAM16 BW=10MHz Channel=641666 RB=24@0



n78(3550-3700) SCS=30kHz DFT\_QAM16 BW=100MHz Channel=641666 RB=270@0



*n78(3550-3700) SCS=30kHz DFT\_QAM16 BW=40MHz Channel=641666 RB=100@0*



*n78(3550-3700) SCS=30kHz DFT\_QAM16 BW=50MHz Channel=641666 RB=128@0*



*n78(3550-3700) SCS=30kHz DFT\_QAM16 BW=15MHz Channel=641666 RB=36@0*



*n78(3550-3700) SCS=30kHz DFT\_QAM16 BW=20MHz Channel=641666 RB=50@0*





*n78(3550-3700) SCS=30kHz DFT\_QAM16 BW=60MHz Channel=641666 RB=162@0*



*n78(3550-3700) SCS=30kHz DFT\_QAM16 BW=80MHz Channel=641666 RB=216@0*



*n78(3550-3700) SCS=30kHz DFT\_QAM16 BW=70MHz Channel=641666 RB=180@0*



*n78(3550-3700) SCS=30kHz DFT\_QAM16 BW=90MHz Channel=641666 RB=240@0*



*n78(3550-3700) SCS=30kHz DFT\_QAM256 BW=15MHz Channel=641666 RB=36@0*



*n78(3550-3700) SCS=30kHz DFT\_QAM256 BW=10MHz Channel=641666 RB=24@0*



*n78(3550-3700) SCS=30kHz DFT\_QAM256 BW=100MHz Channel=641666 RB=270@0*



*n78(3550-3700) SCS=30kHz DFT\_QAM256 BW=50MHz Channel=641666 RB=128@0*



*n78(3550-3700) SCS=30kHz DFT\_QAM256 BW=40MHz Channel=641666 RB=100@0*



*n78(3550-3700) SCS=30kHz DFT\_QAM256 BW=20MHz Channel=641666 RB=50@0*



*n78(3550-3700) SCS=30kHz DFT\_QAM256 BW=70MHz Channel=641666 RB=180@0*



*n78(3550-3700) SCS=30kHz DFT\_QAM256 BW=60MHz Channel=641666 RB=162@0*



*n78(3550-3700) SCS=30kHz DFT\_QAM64 BW=10MHz Channel=641666 RB=24@0*



*n78(3550-3700) SCS=30kHz DFT\_QAM64 BW=15MHz Channel=641666 RB=36@0*