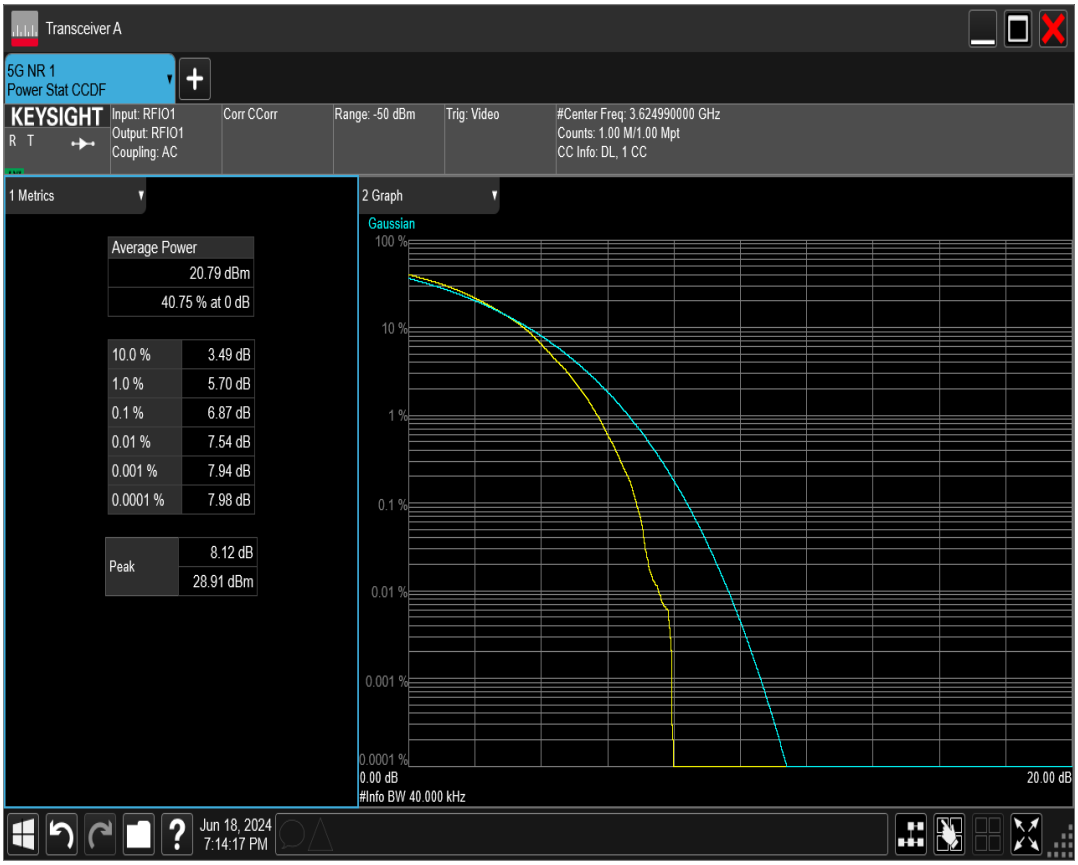
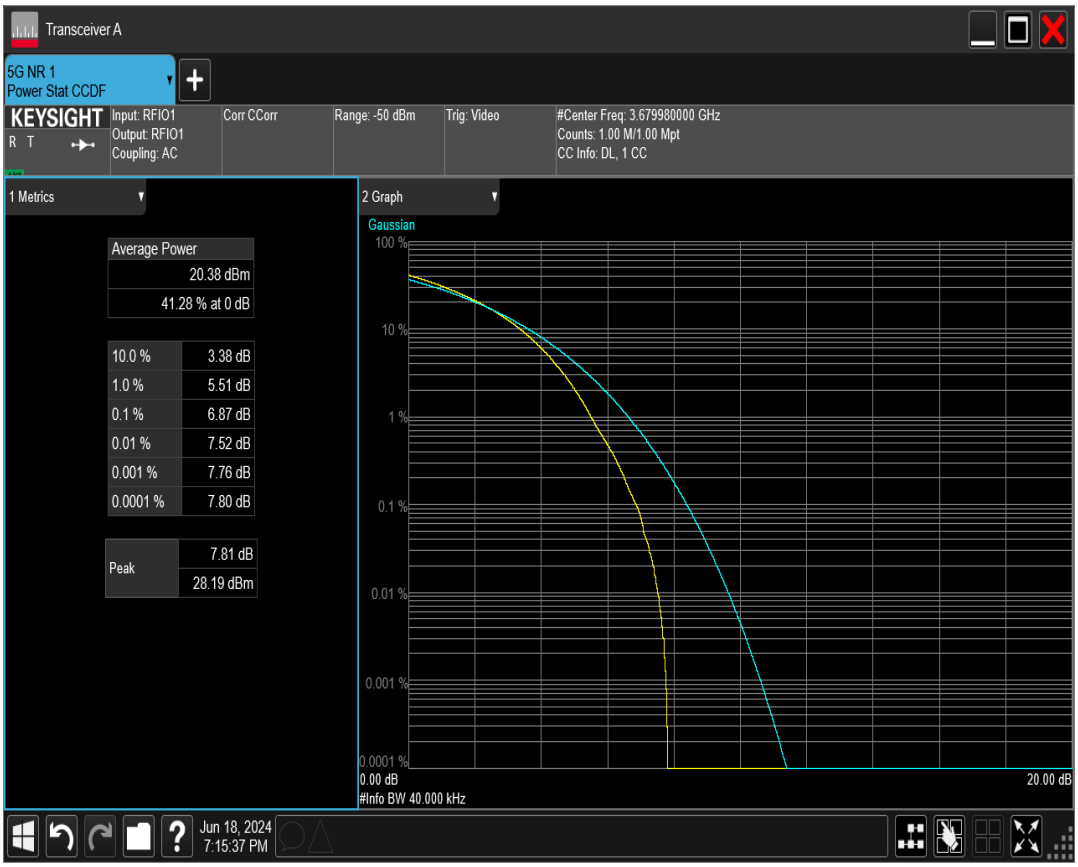
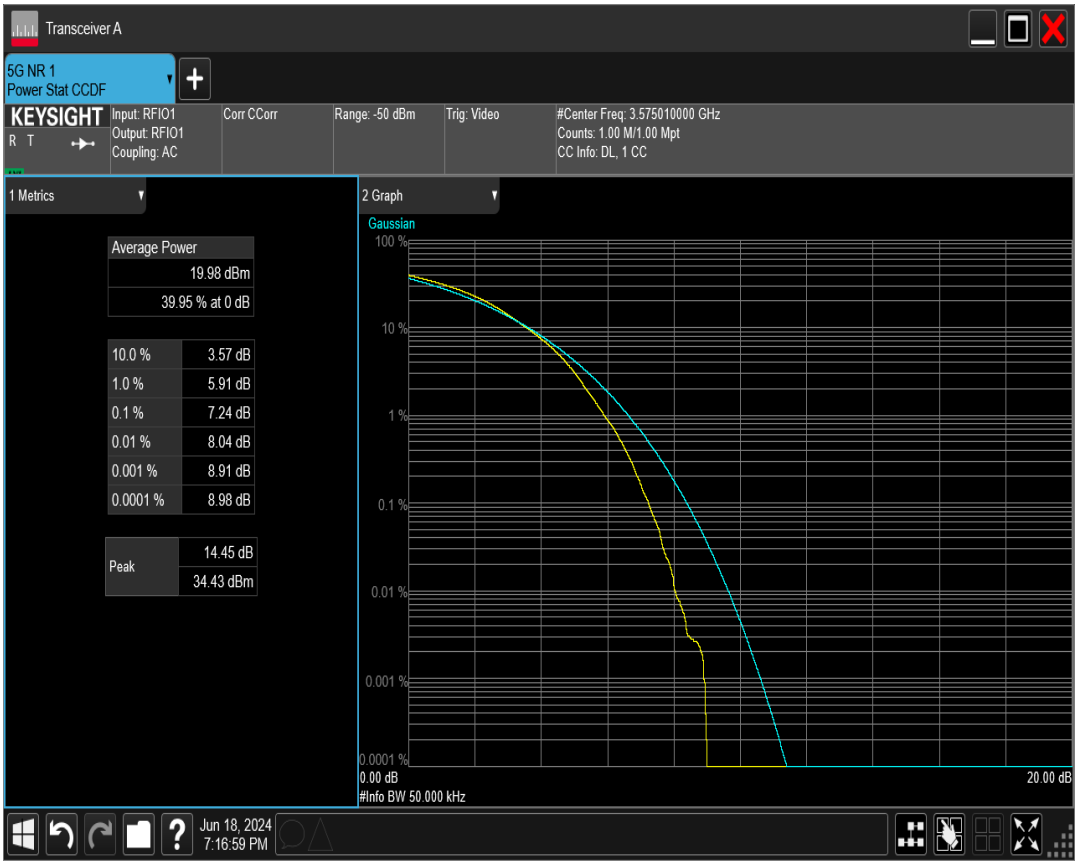
***n78(3550-3700) SCS=30kHz DFT_QAM64 BW=40MHz Channel=641666 RB=100@0***



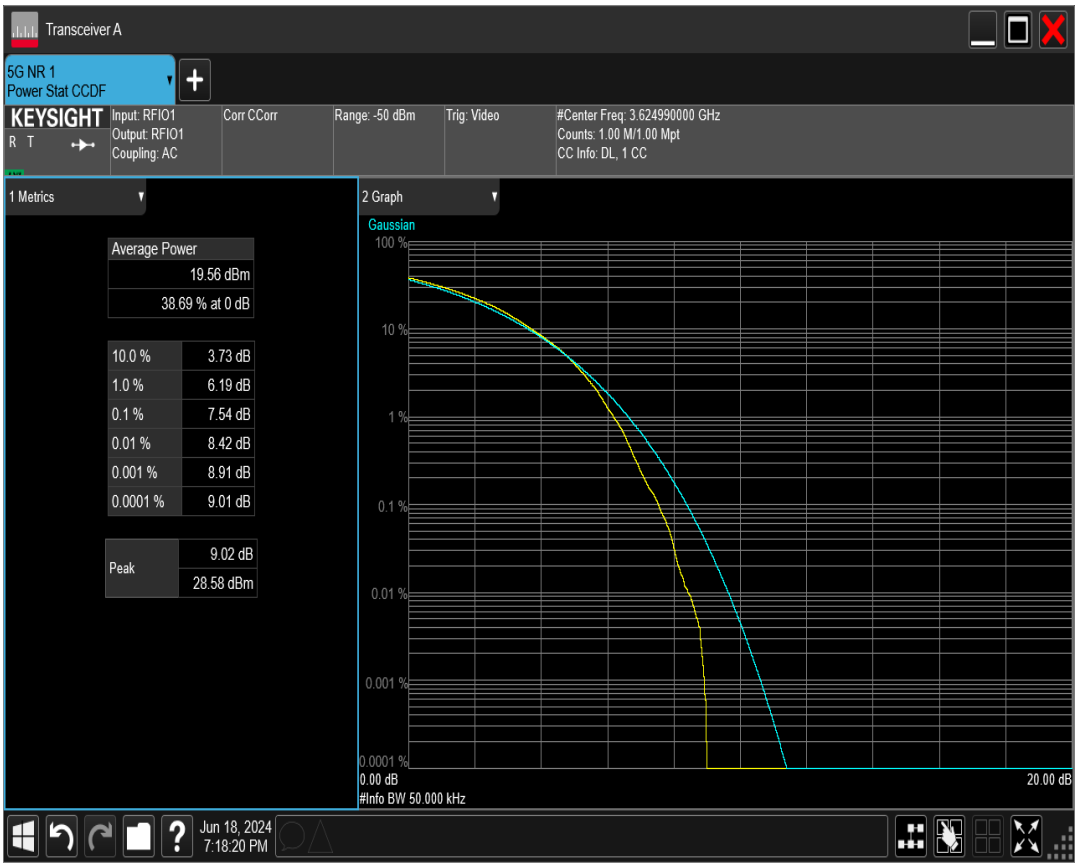

***n78(3550-3700) SCS=30kHz DFT_QAM64 BW=40MHz Channel=645332 RB=100@0***



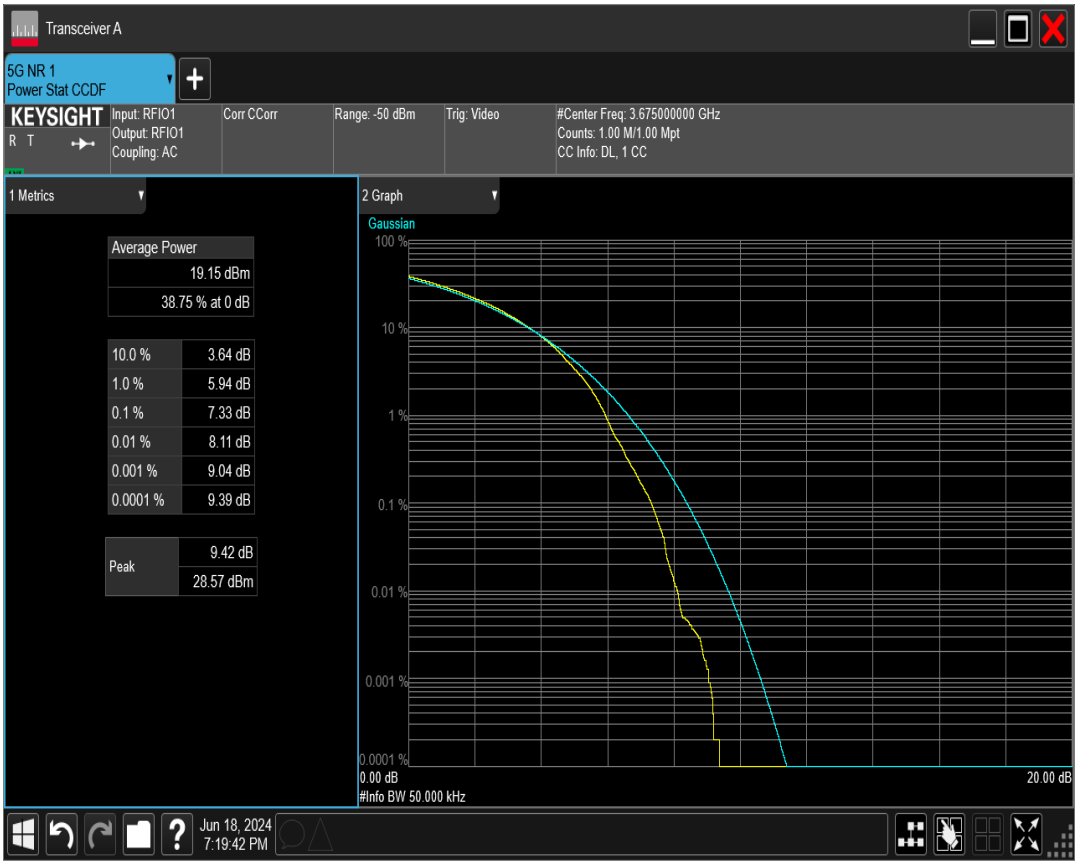
***n78(3550-3700) SCS=30kHz DFT_QAM64 BW=50MHz Channel=638334 RB=128@0***



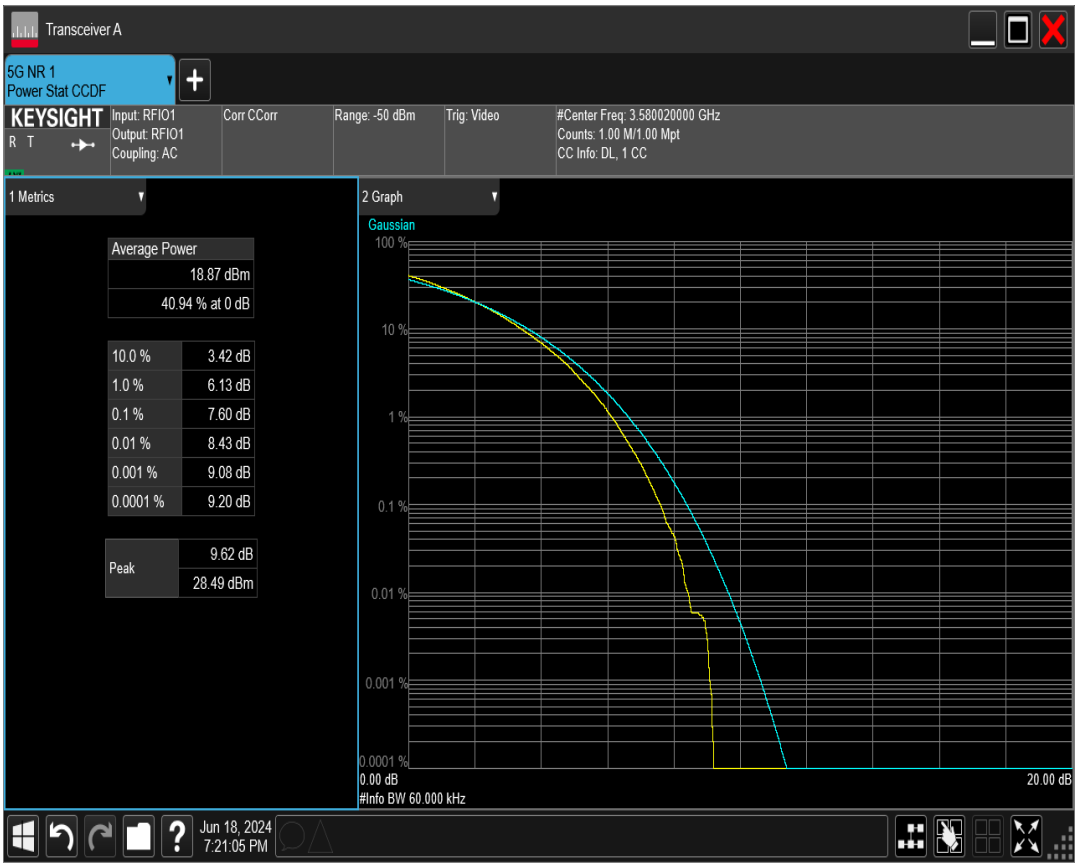

***n78(3550-3700) SCS=30kHz DFT_QAM64 BW=50MHz Channel=641666 RB=128@0***



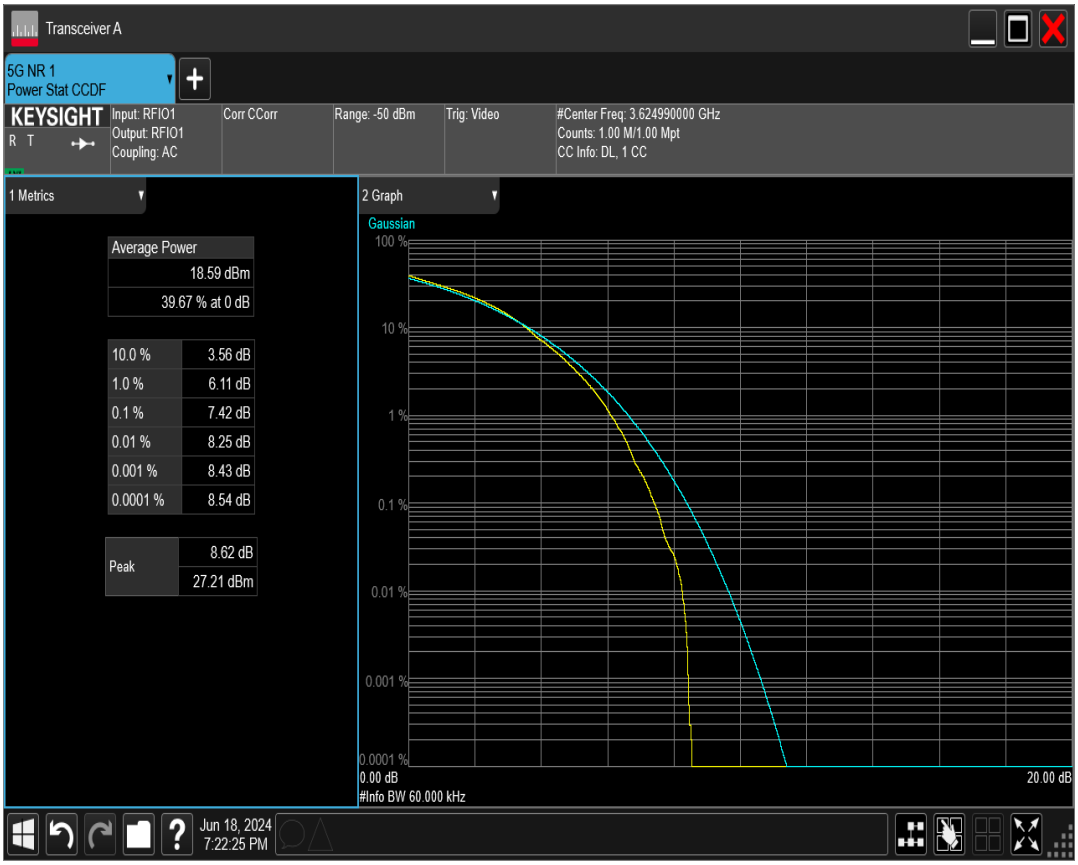
***n78(3550-3700) SCS=30kHz DFT_QAM64 BW=50MHz Channel=645000 RB=128@0***



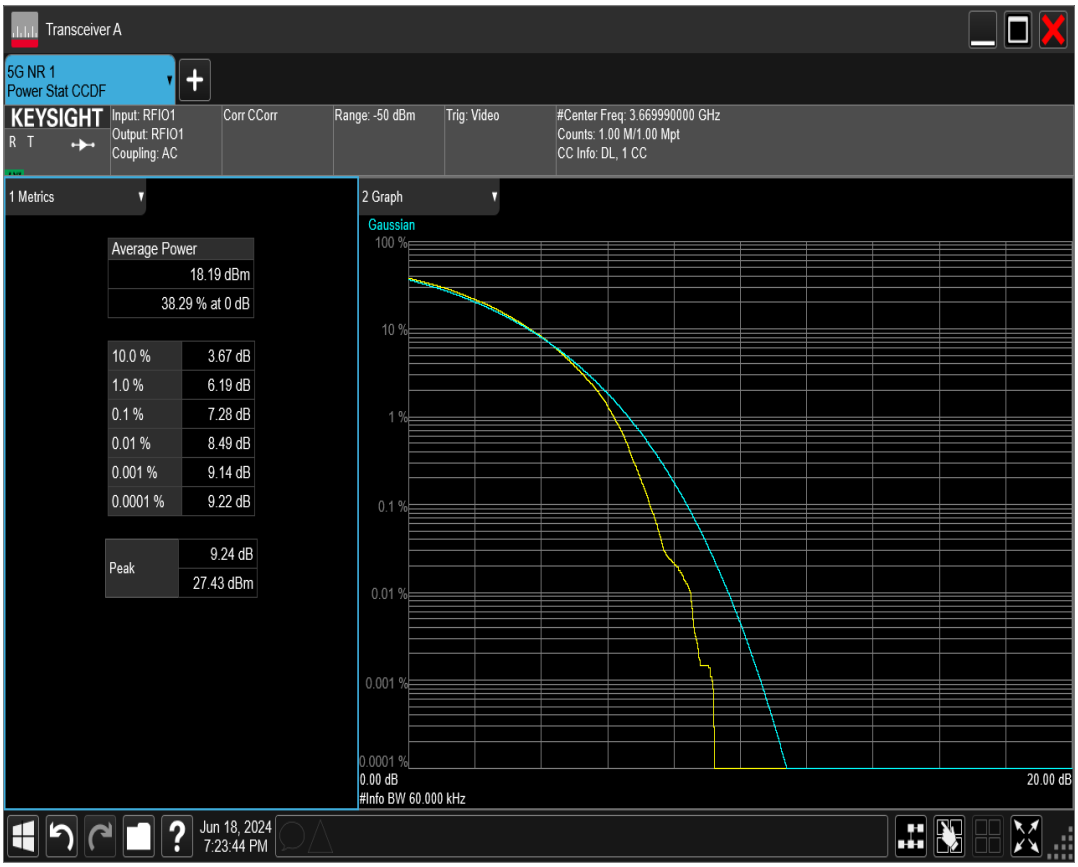

***n78(3550-3700) SCS=30kHz DFT_QAM64 BW=60MHz Channel=638668 RB=162@0***



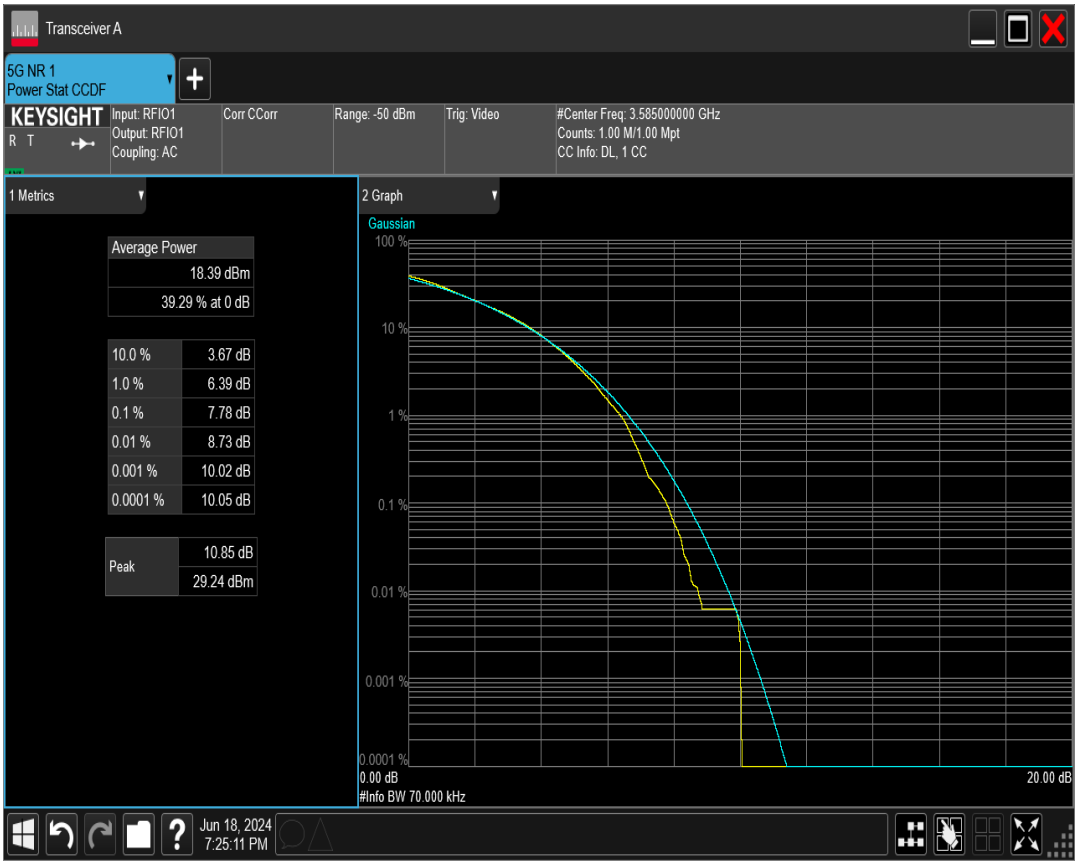
***n78(3550-3700) SCS=30kHz DFT_QAM64 BW=60MHz Channel=641666 RB=162@0***



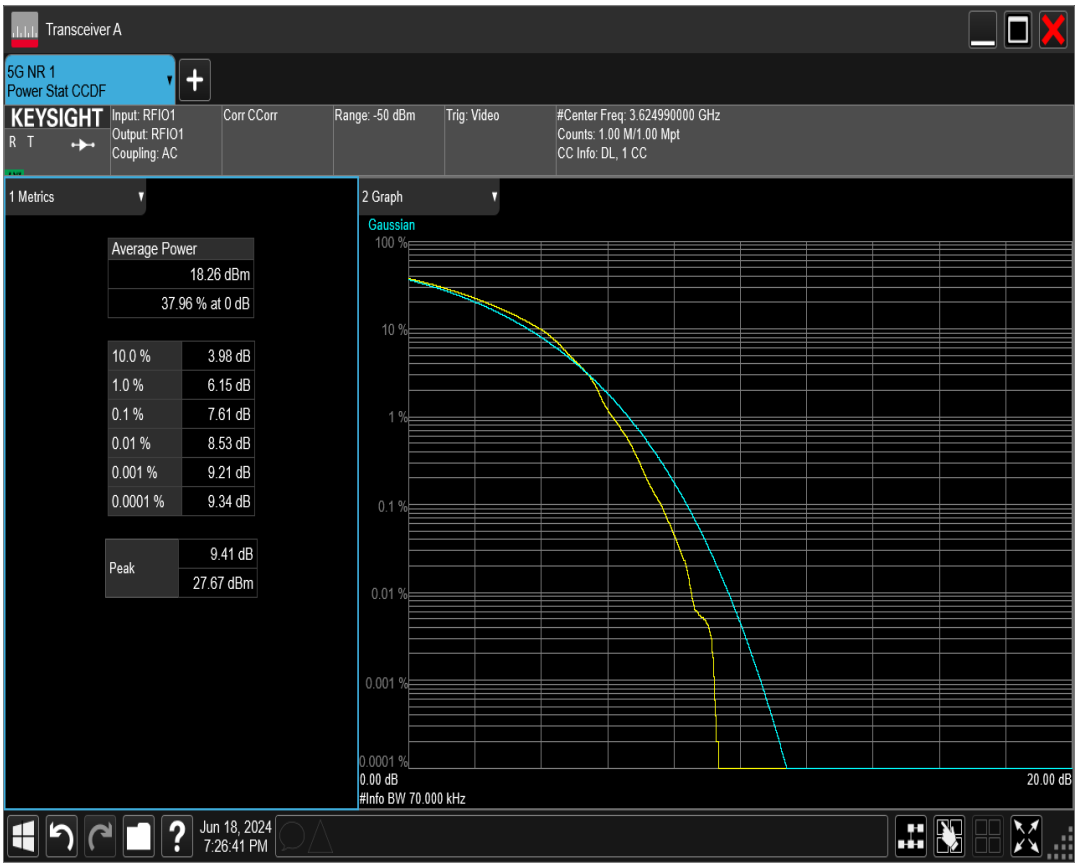

***n78(3550-3700) SCS=30kHz DFT_QAM64 BW=60MHz Channel=644666 RB=162@0***



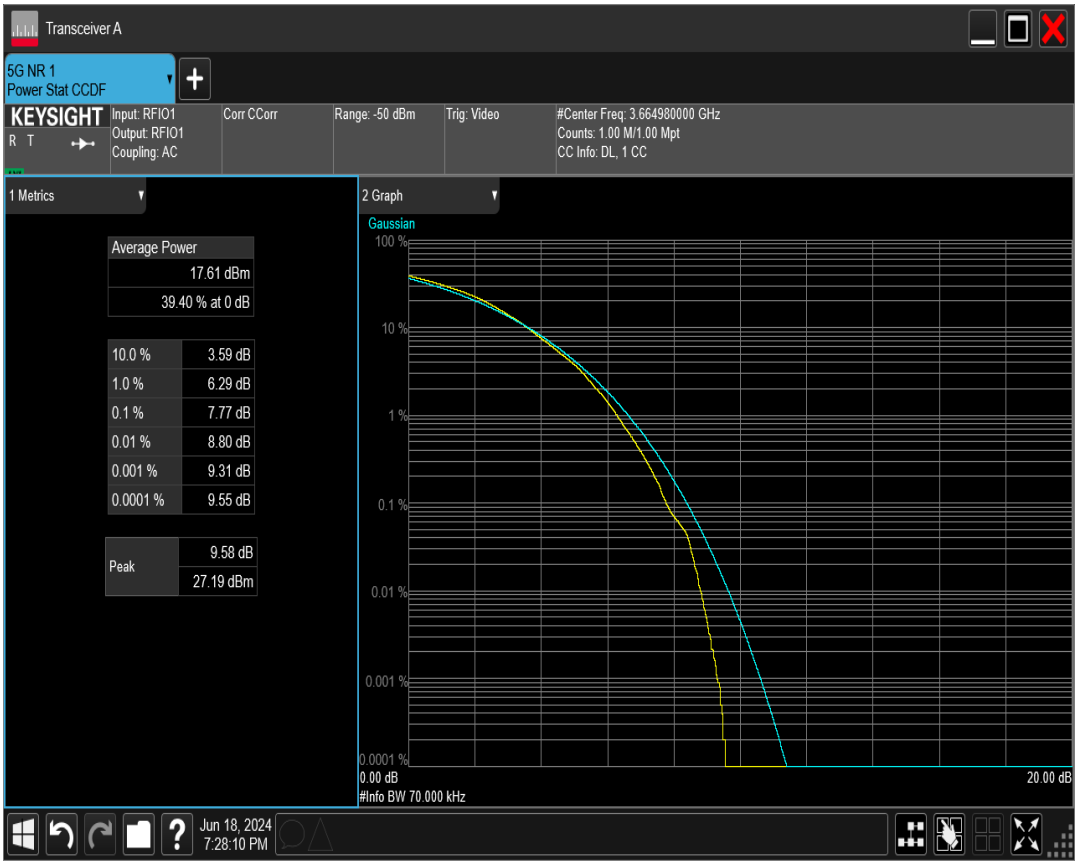
***n78(3550-3700) SCS=30kHz DFT_QAM64 BW=70MHz Channel=639000 RB=180@0***



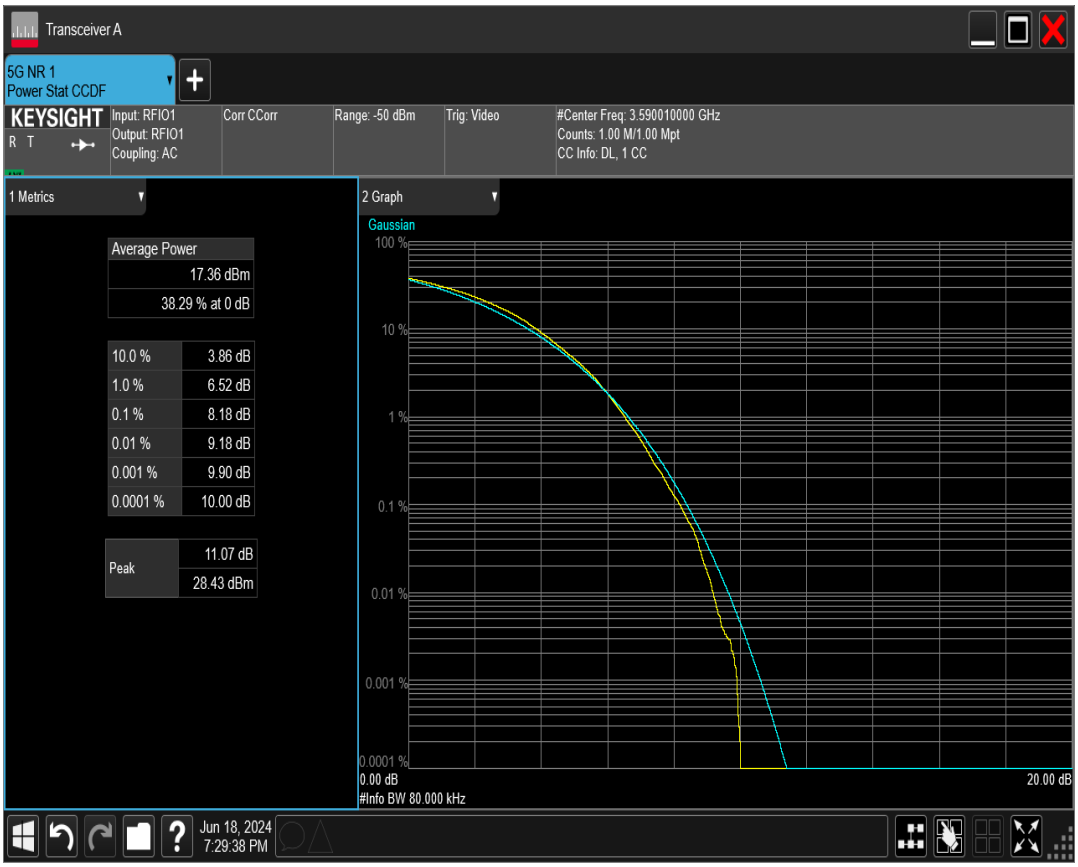

***n78(3550-3700) SCS=30kHz DFT_QAM64 BW=70MHz Channel=641666 RB=180@0***



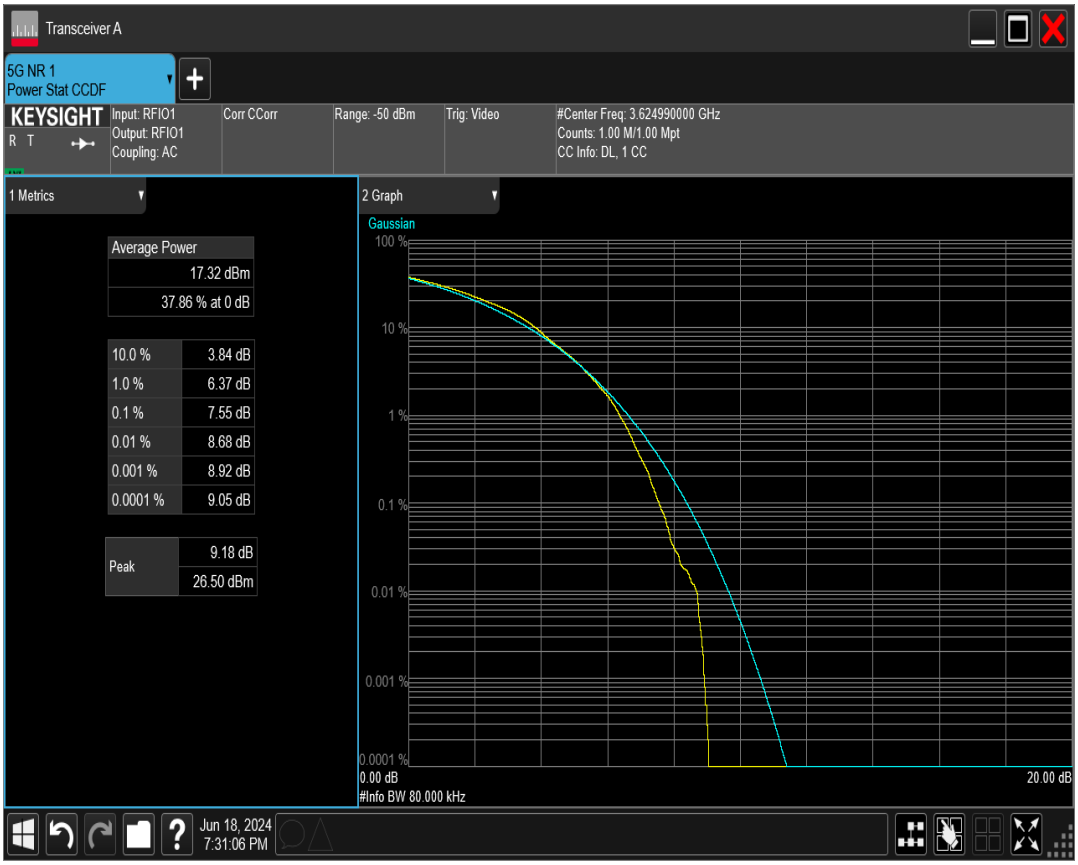
***n78(3550-3700) SCS=30kHz DFT_QAM64 BW=70MHz Channel=644332 RB=180@0***



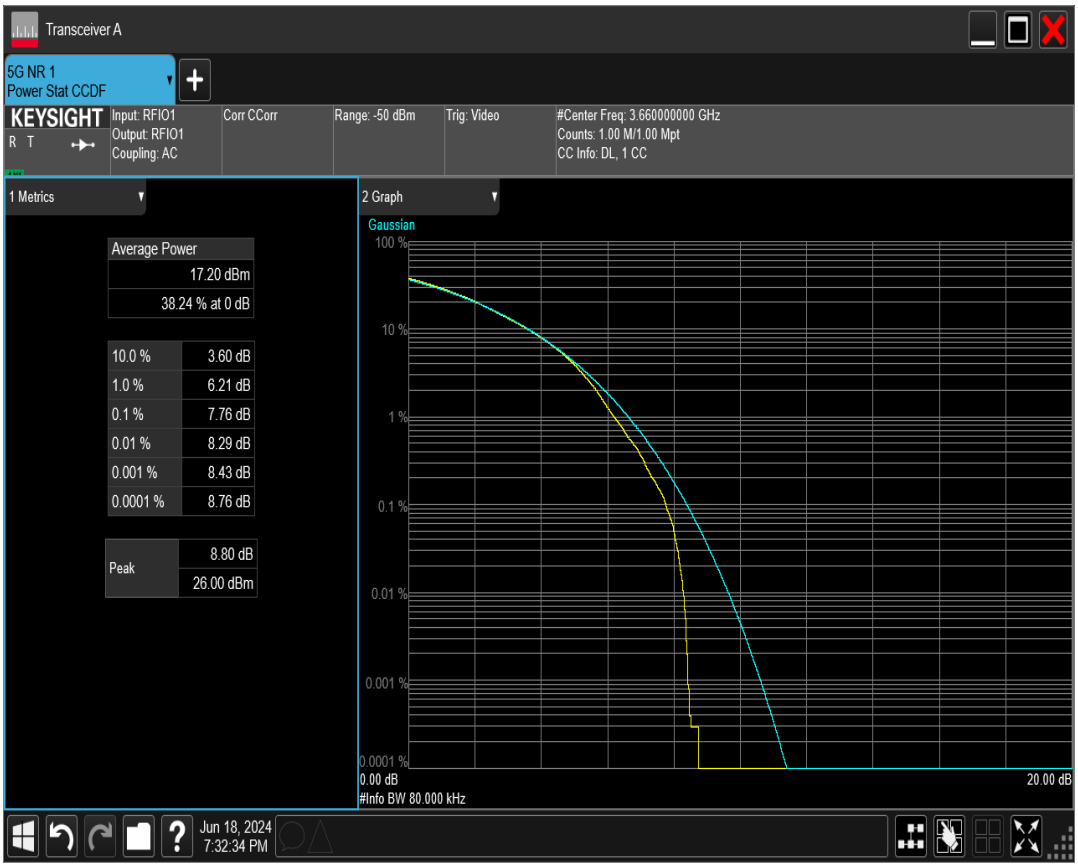

***n78(3550-3700) SCS=30kHz DFT_QAM64 BW=80MHz Channel=639334 RB=216@0***



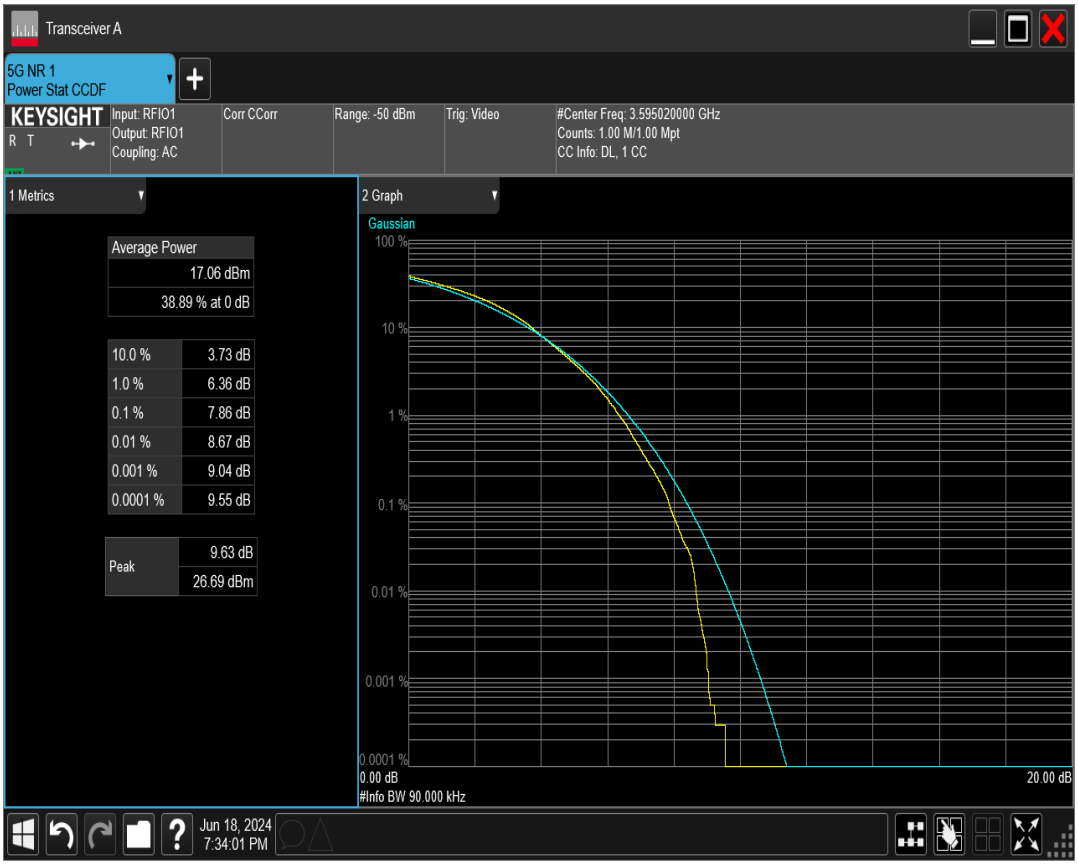
***n78(3550-3700) SCS=30kHz DFT_QAM64 BW=80MHz Channel=641666 RB=216@0***



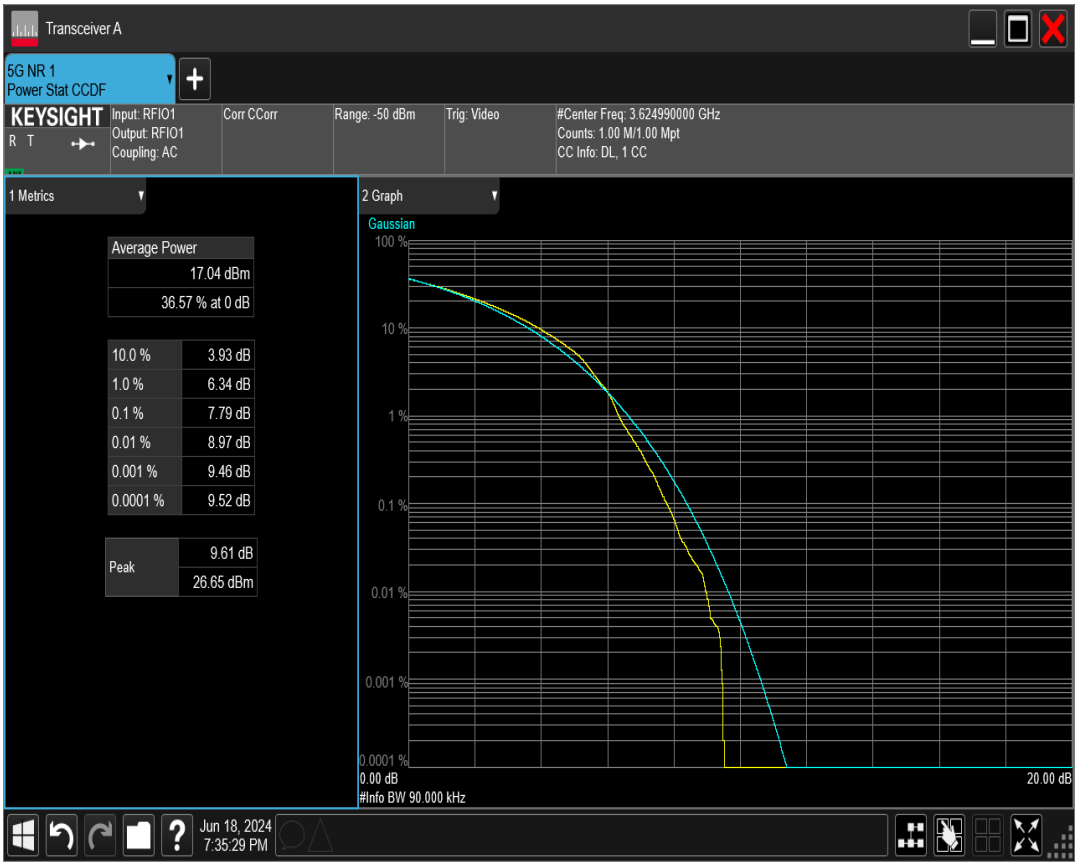

***n78(3550-3700) SCS=30kHz DFT_QAM64 BW=80MHz Channel=644000 RB=216@0***



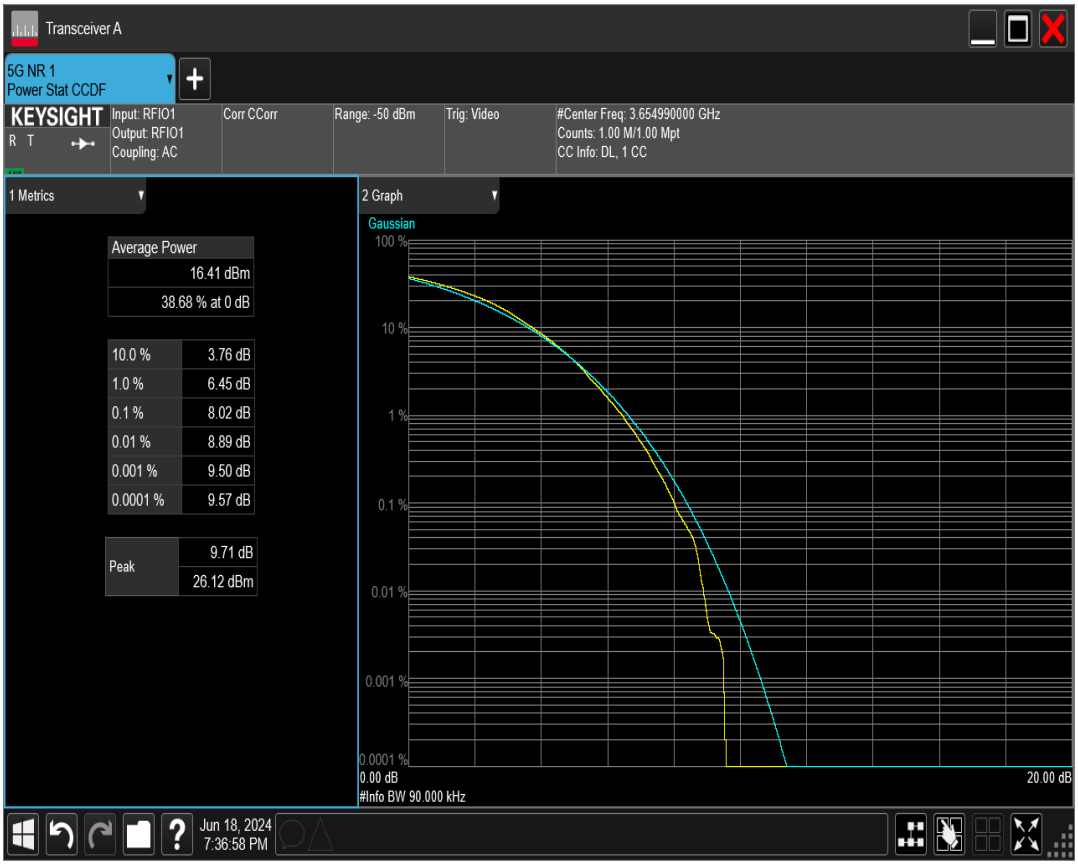
***n78(3550-3700) SCS=30kHz DFT_QAM64 BW=90MHz Channel=639668 RB=240@0***




***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***

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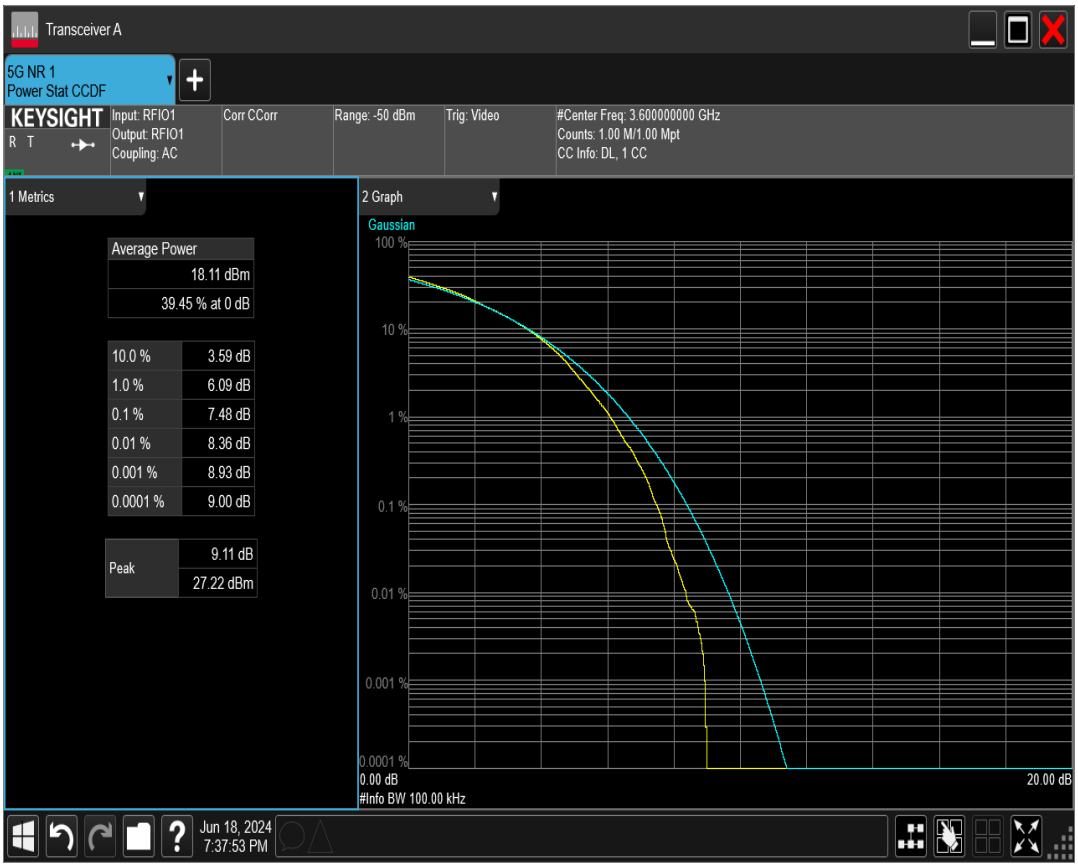
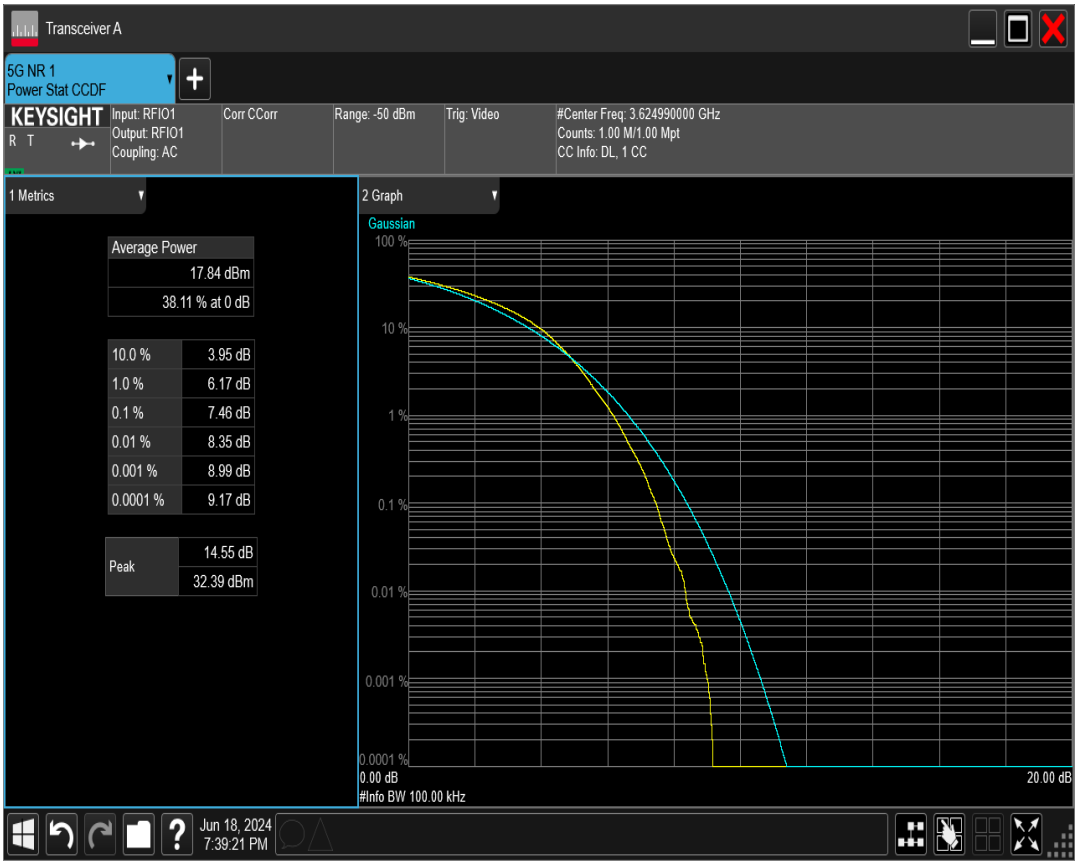
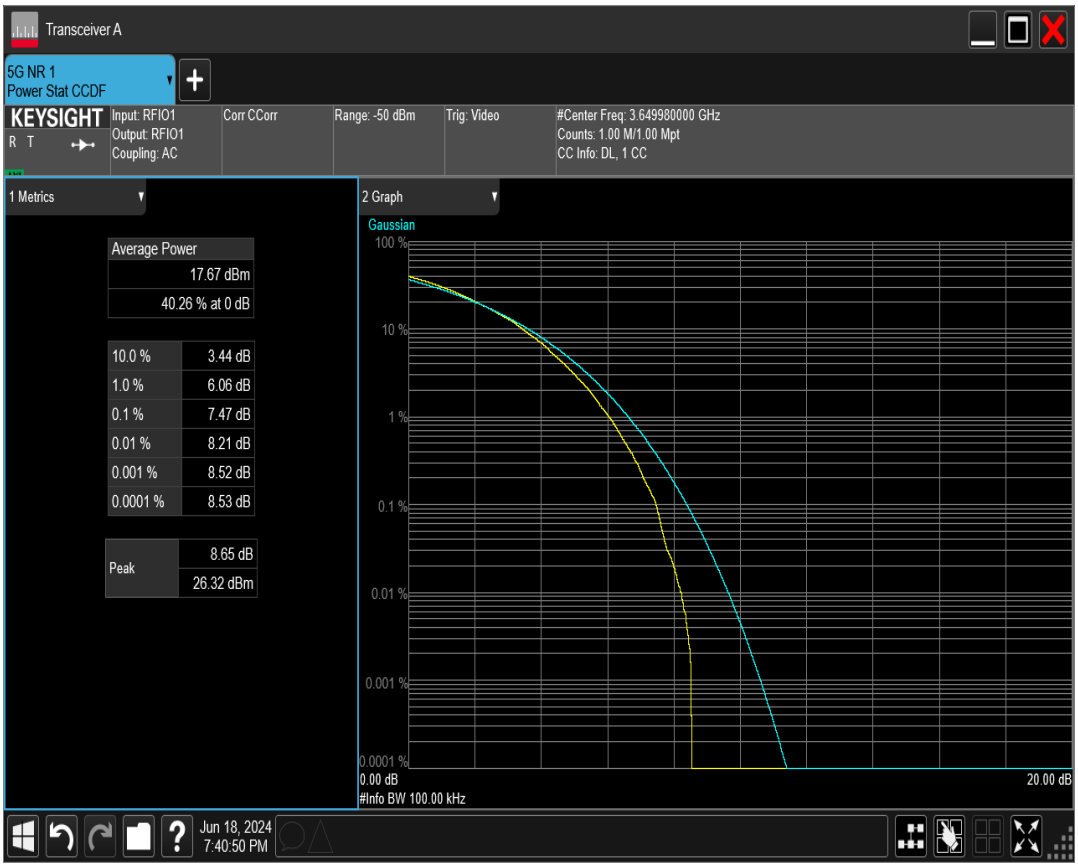


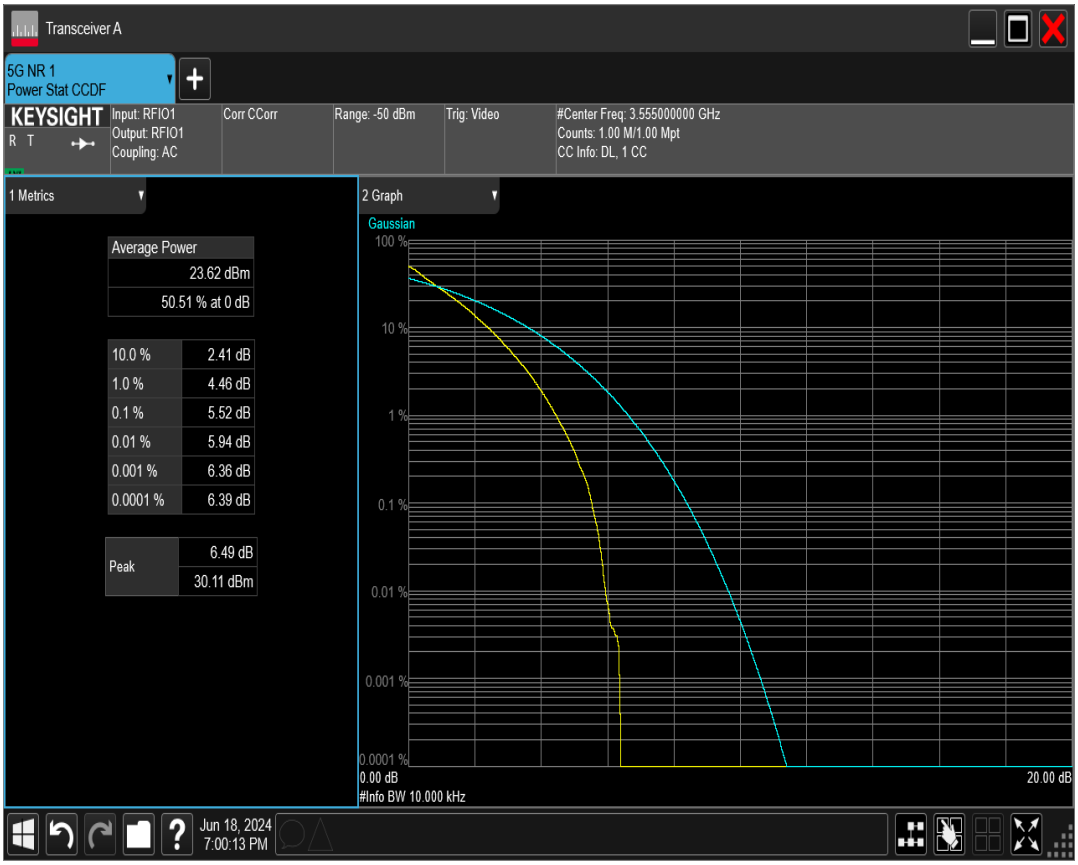
***n78(3550-3700) SCS=30kHz DFT_QPSK BW=100MHz Channel=641666 RB=270@0***



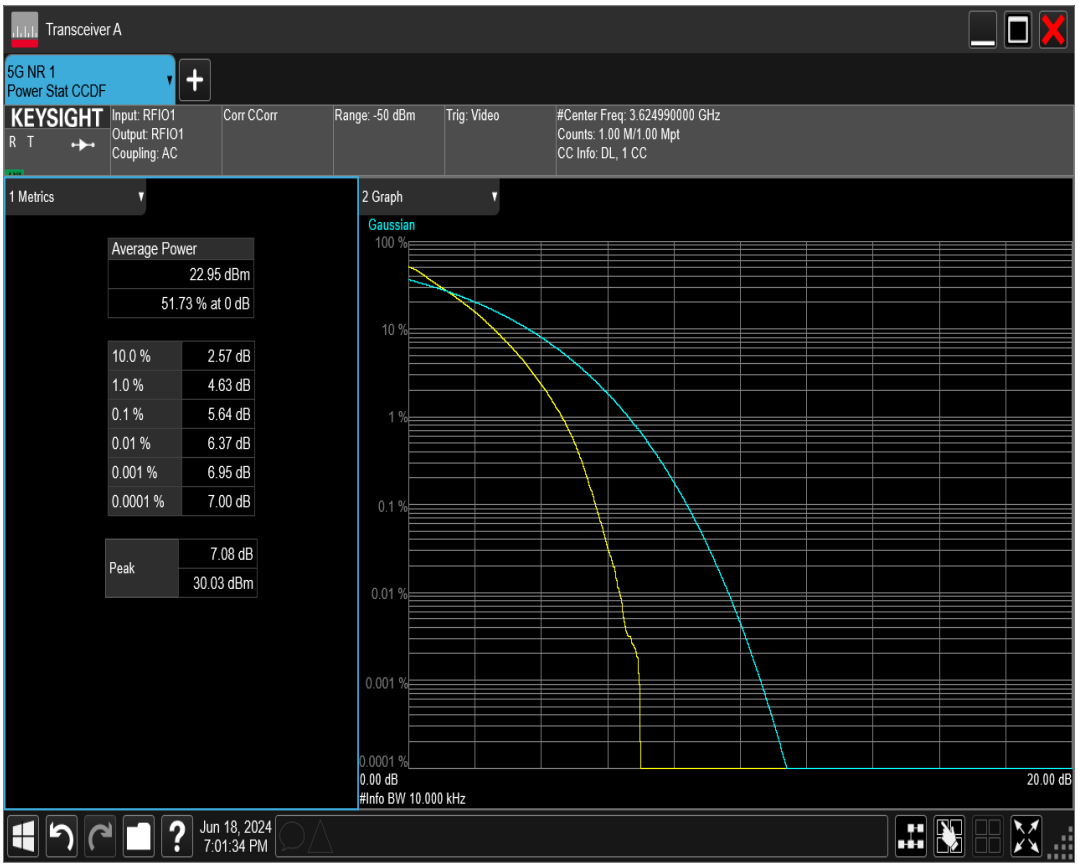

***n78(3550-3700) SCS=30kHz DFT_QPSK BW=100MHz Channel=643332 RB=270@0***



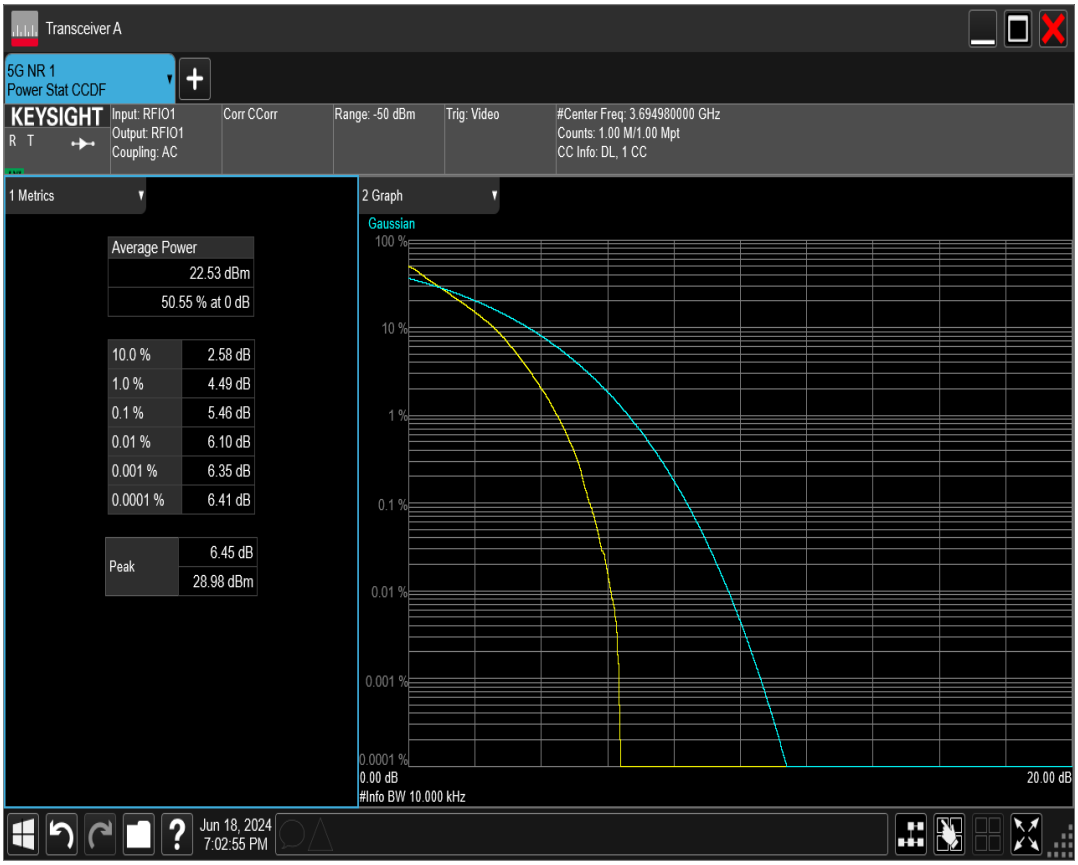
***n78(3550-3700) SCS=30kHz DFT_QPSK BW=10MHz Channel=637000 RB=24@0***



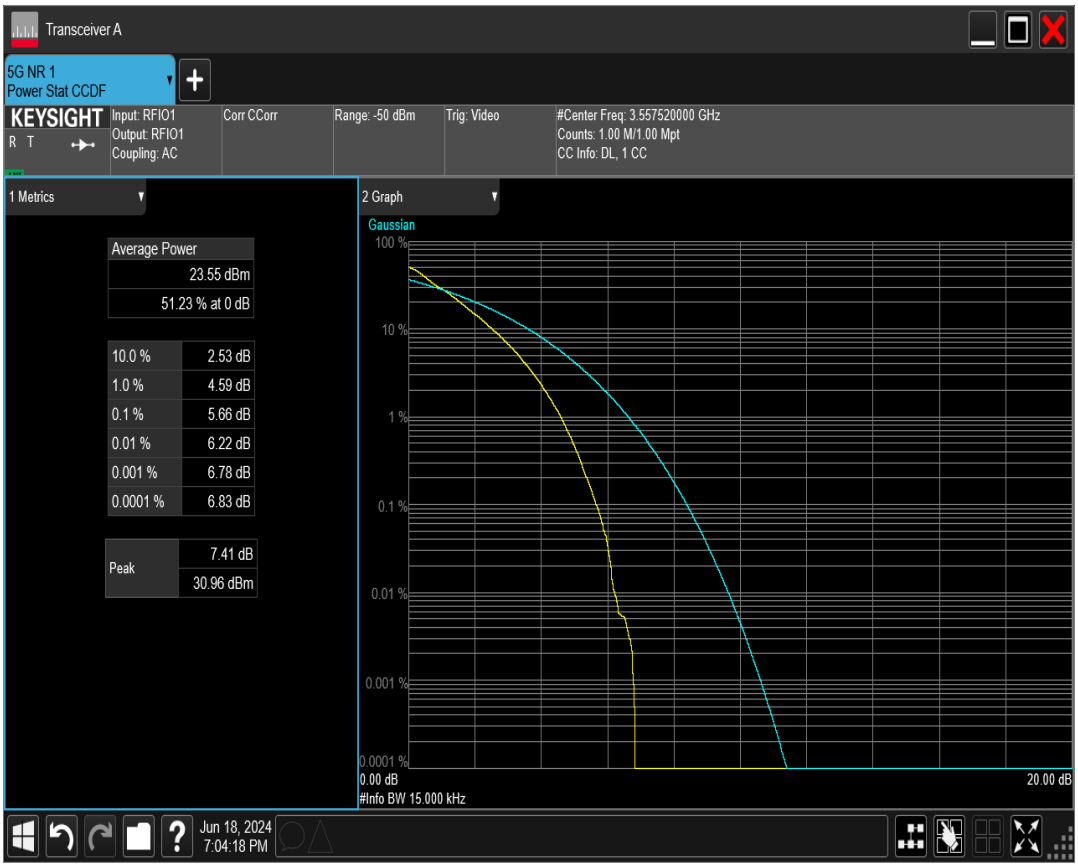

***n78(3550-3700) SCS=30kHz DFT_QPSK BW=10MHz Channel=641666 RB=24@0***



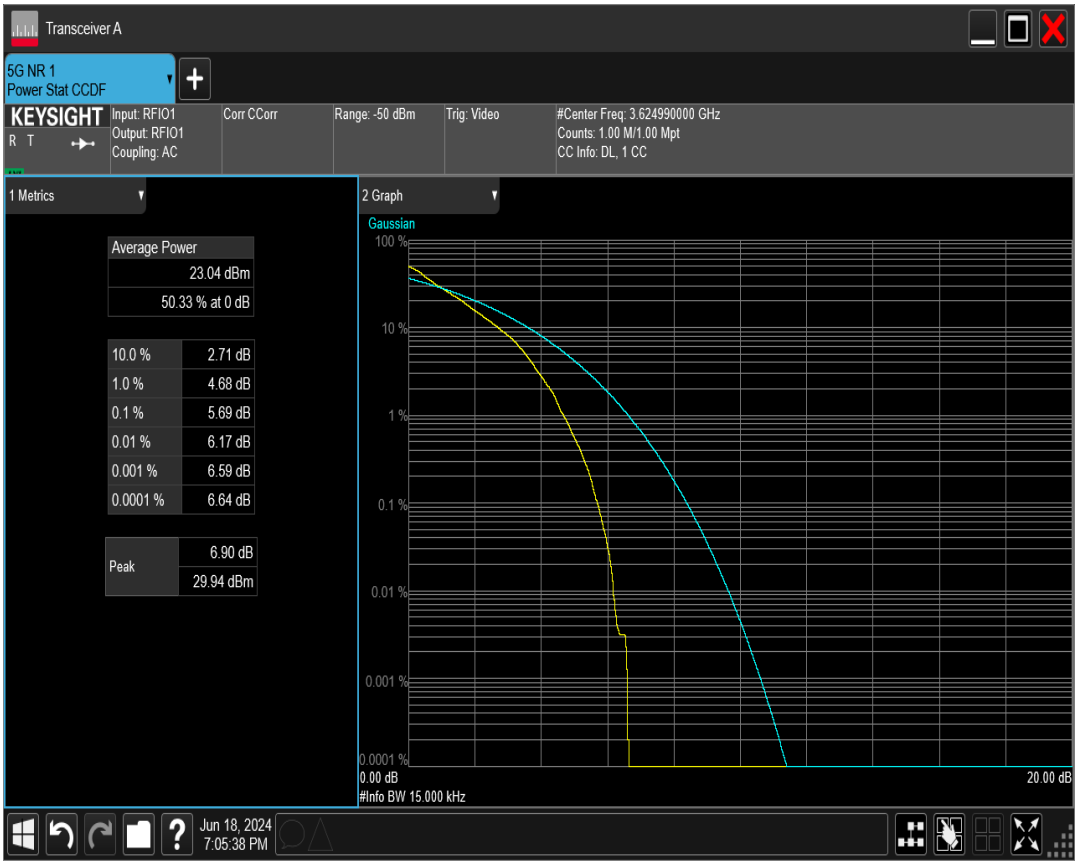
***n78(3550-3700) SCS=30kHz DFT_QPSK BW=10MHz Channel=646332 RB=24@0***



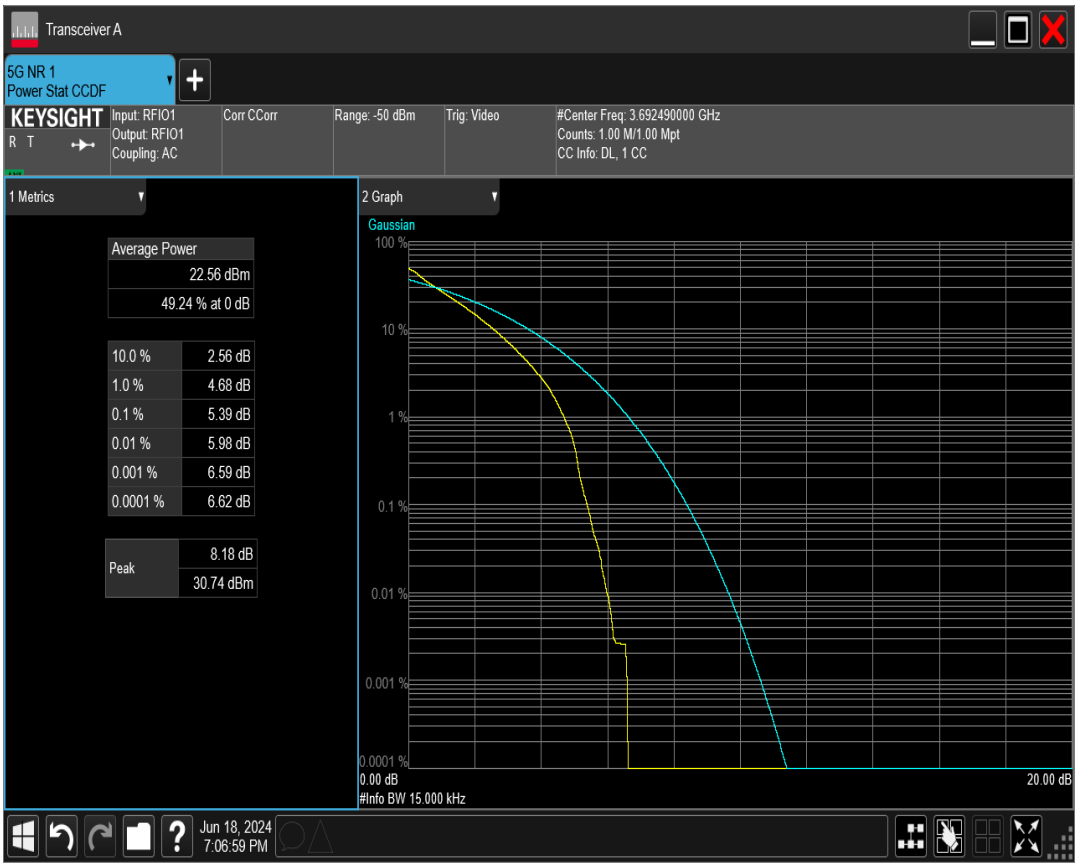

***n78(3550-3700) SCS=30kHz DFT_QPSK BW=15MHz Channel=637168 RB=36@0***



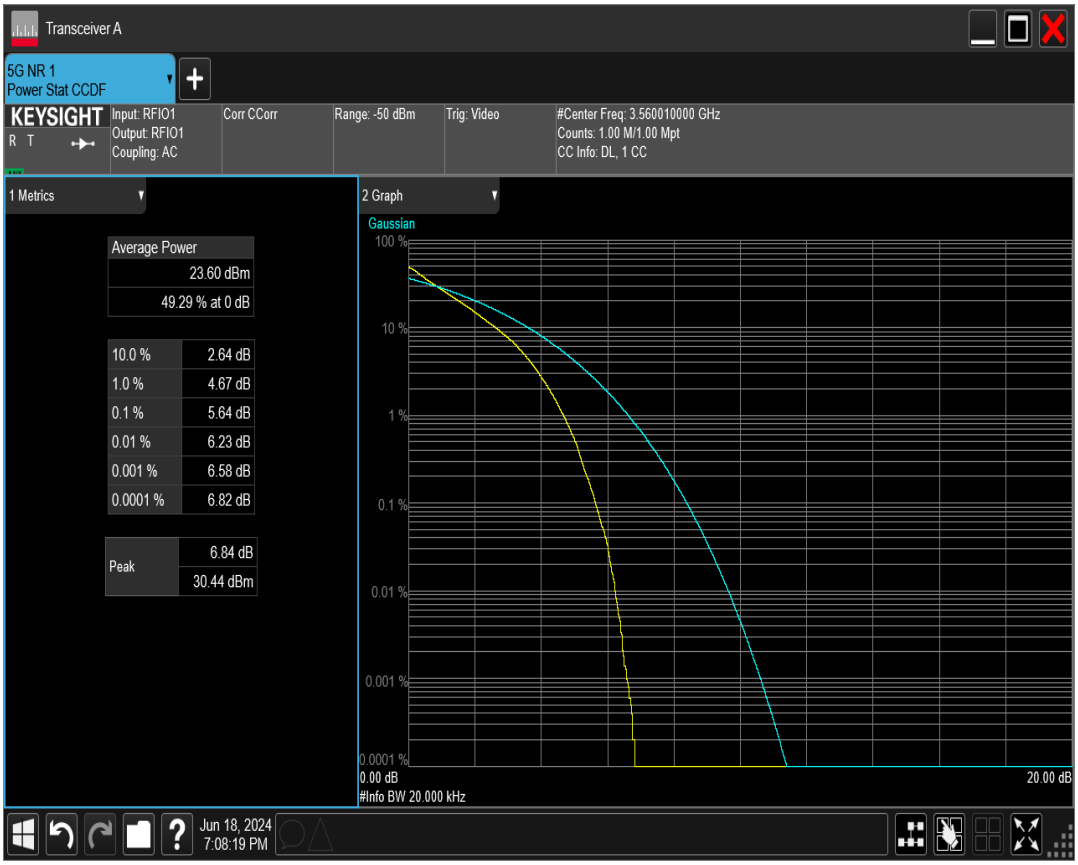
***n78(3550-3700) SCS=30kHz DFT_QPSK BW=15MHz Channel=641666 RB=36@0***



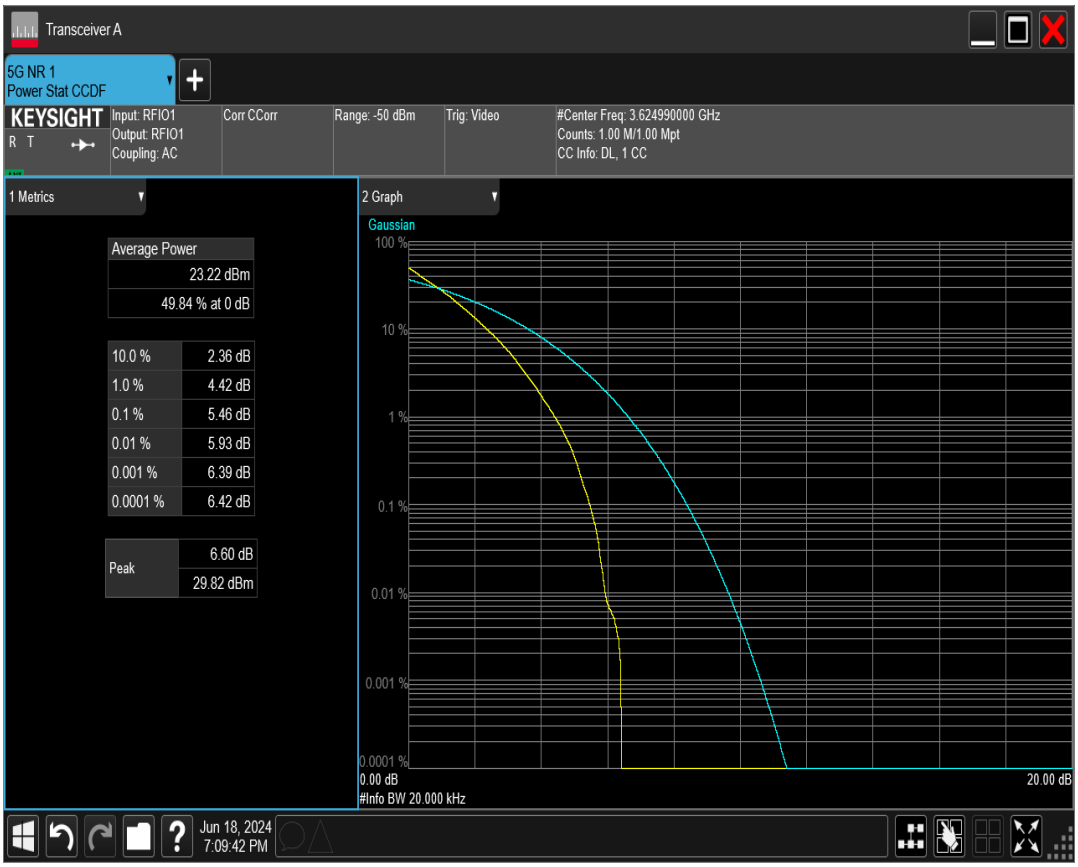

***n78(3550-3700) SCS=30kHz DFT_QPSK BW=15MHz Channel=646166 RB=36@0***



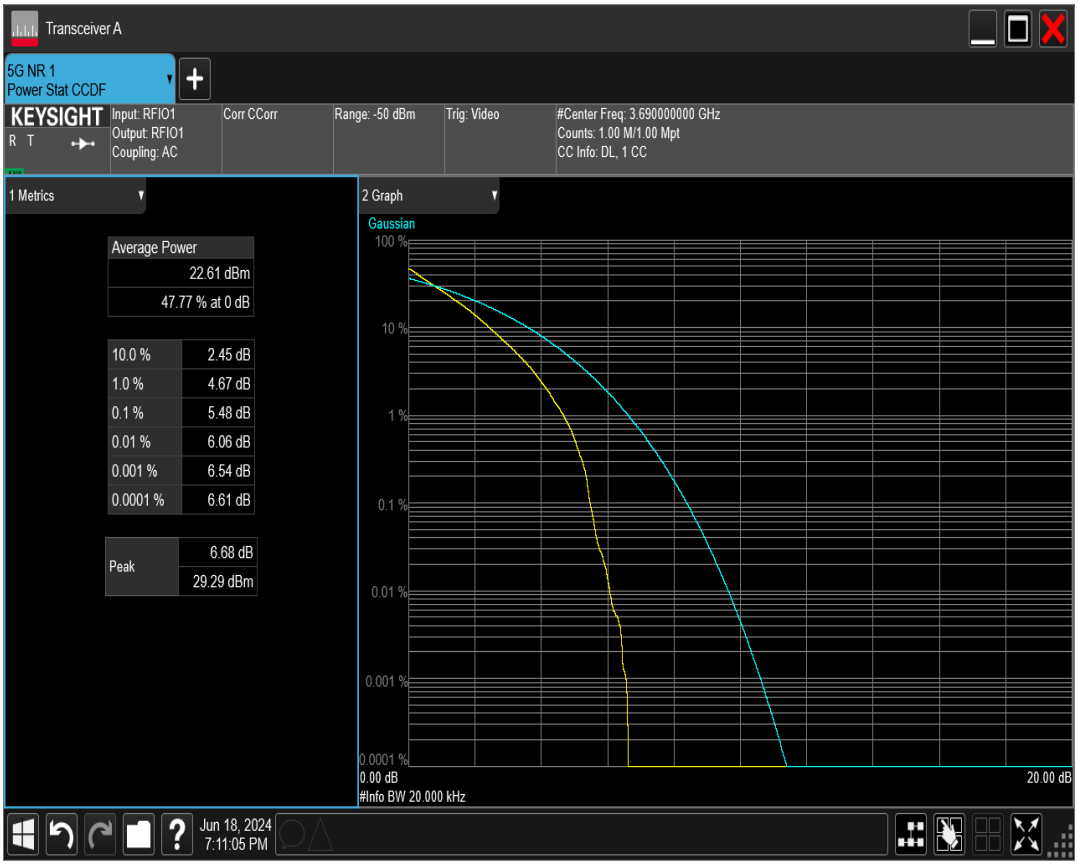
***n78(3550-3700) SCS=30kHz DFT_QPSK BW=20MHz Channel=637334 RB=50@0***



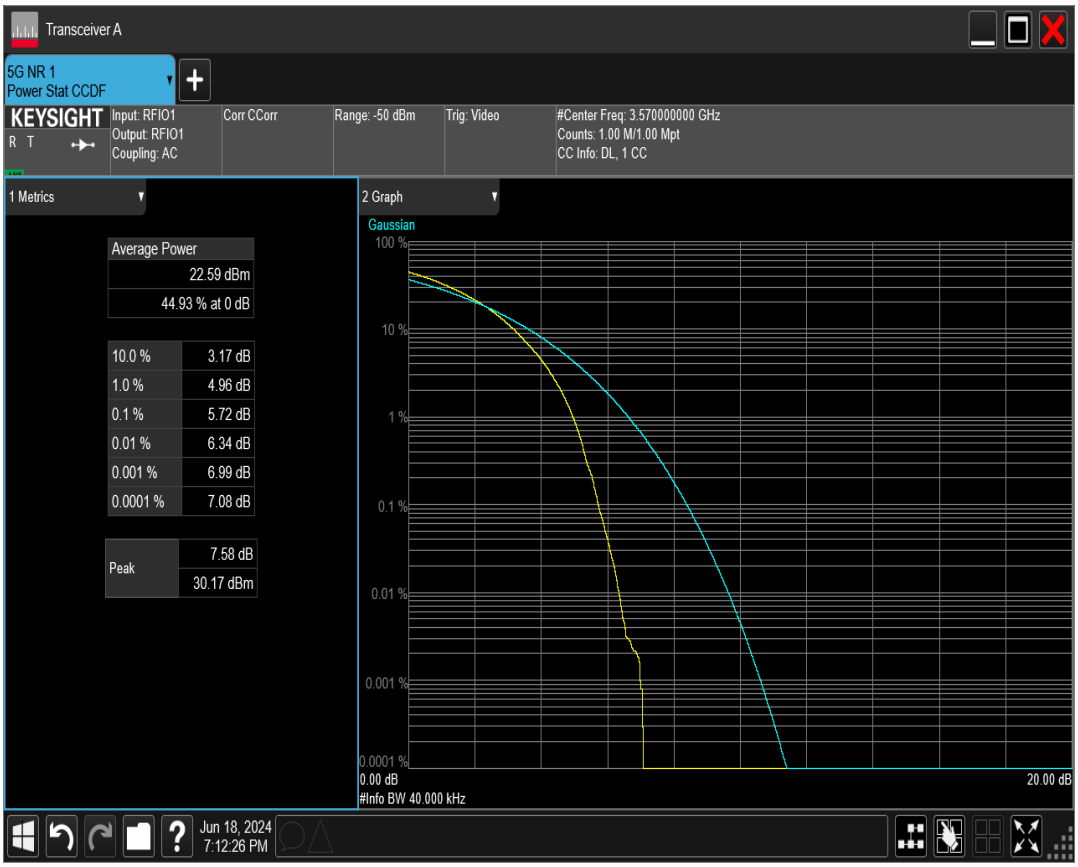

***n78(3550-3700) SCS=30kHz DFT_QPSK BW=20MHz Channel=641666 RB=50@0***



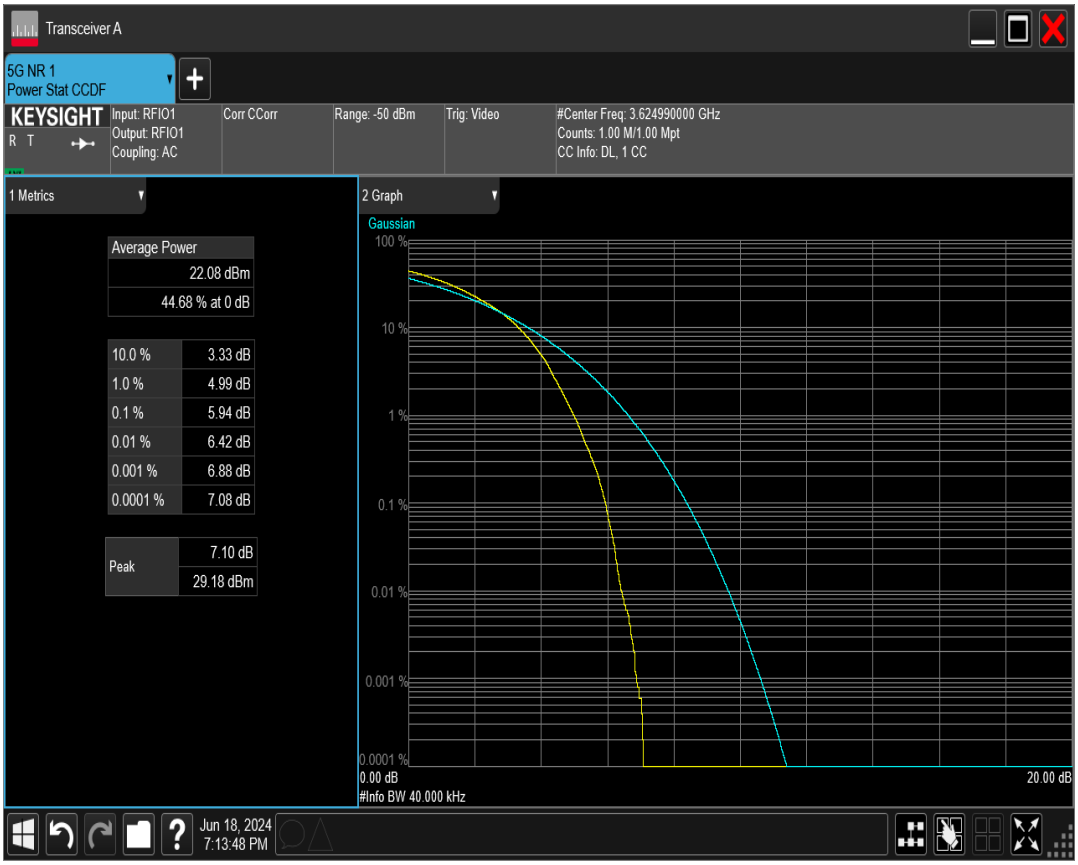
***n78(3550-3700) SCS=30kHz DFT_QPSK BW=20MHz Channel=646000 RB=50@0***



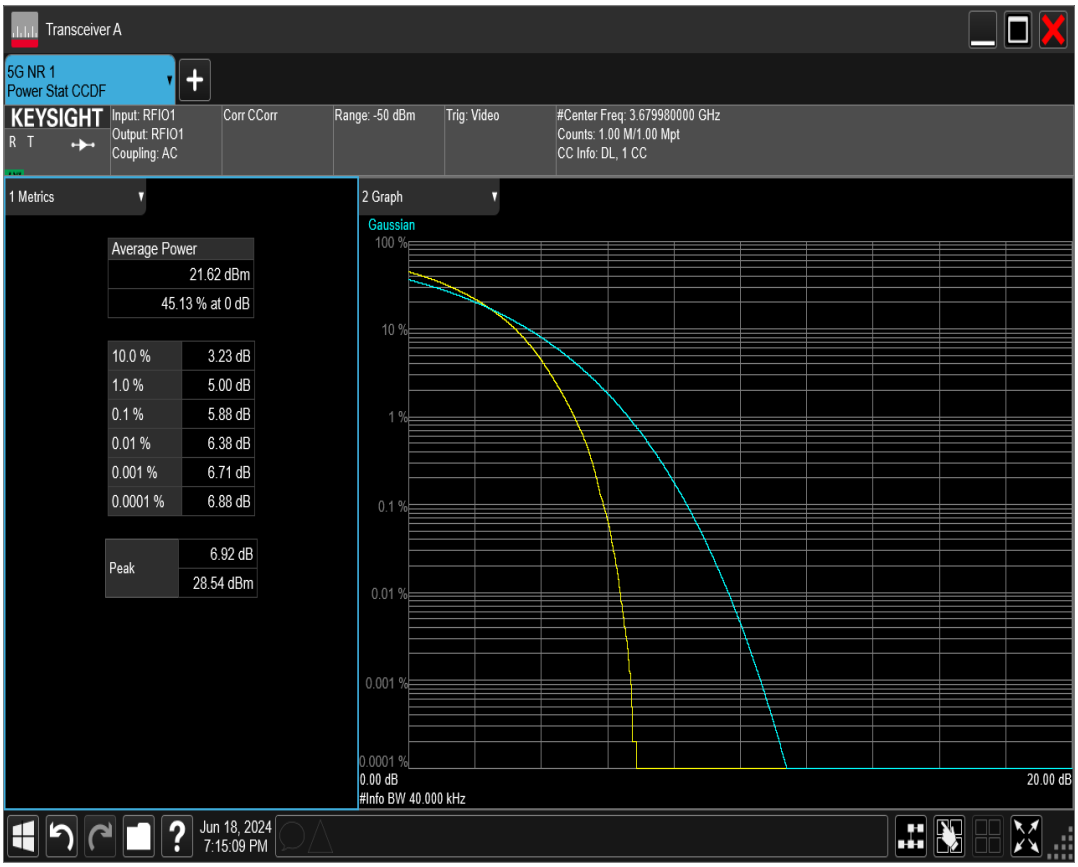

***n78(3550-3700) SCS=30kHz DFT_QPSK BW=40MHz Channel=638000 RB=100@0***



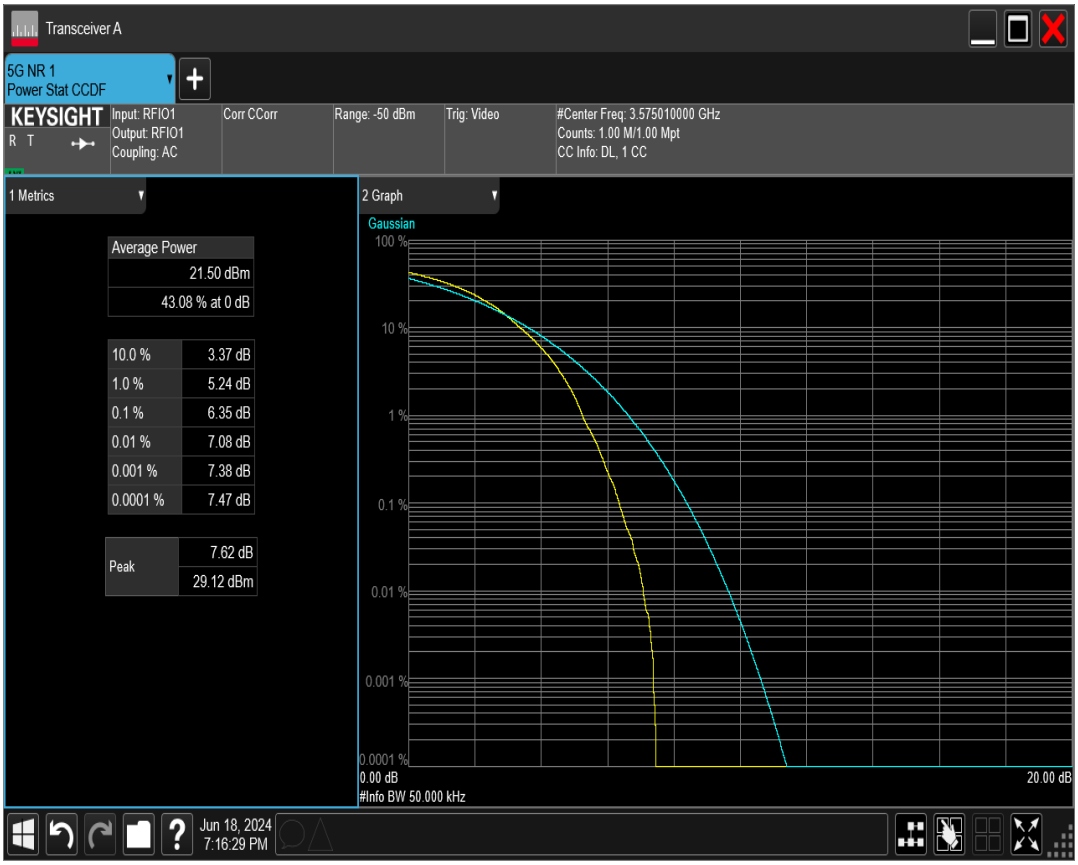
***n78(3550-3700) SCS=30kHz DFT_QPSK BW=40MHz Channel=641666 RB=100@0***



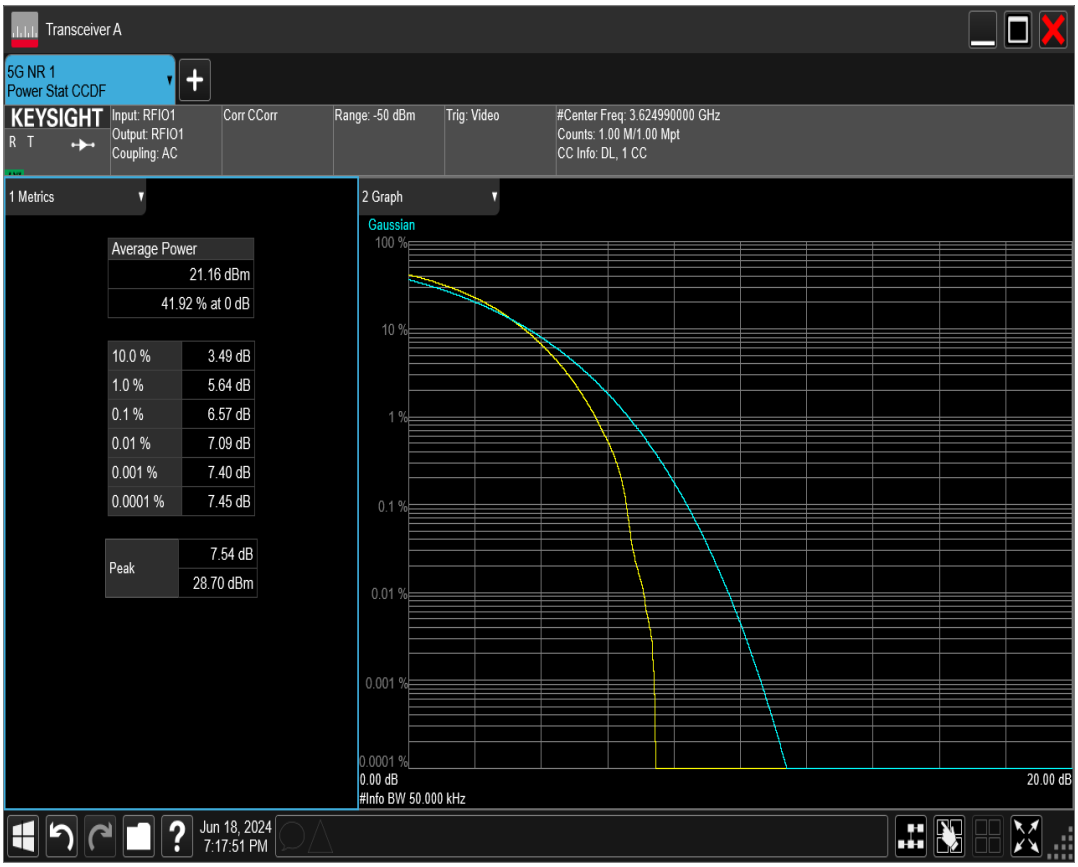

***n78(3550-3700) SCS=30kHz DFT_QPSK BW=40MHz Channel=645332 RB=100@0***



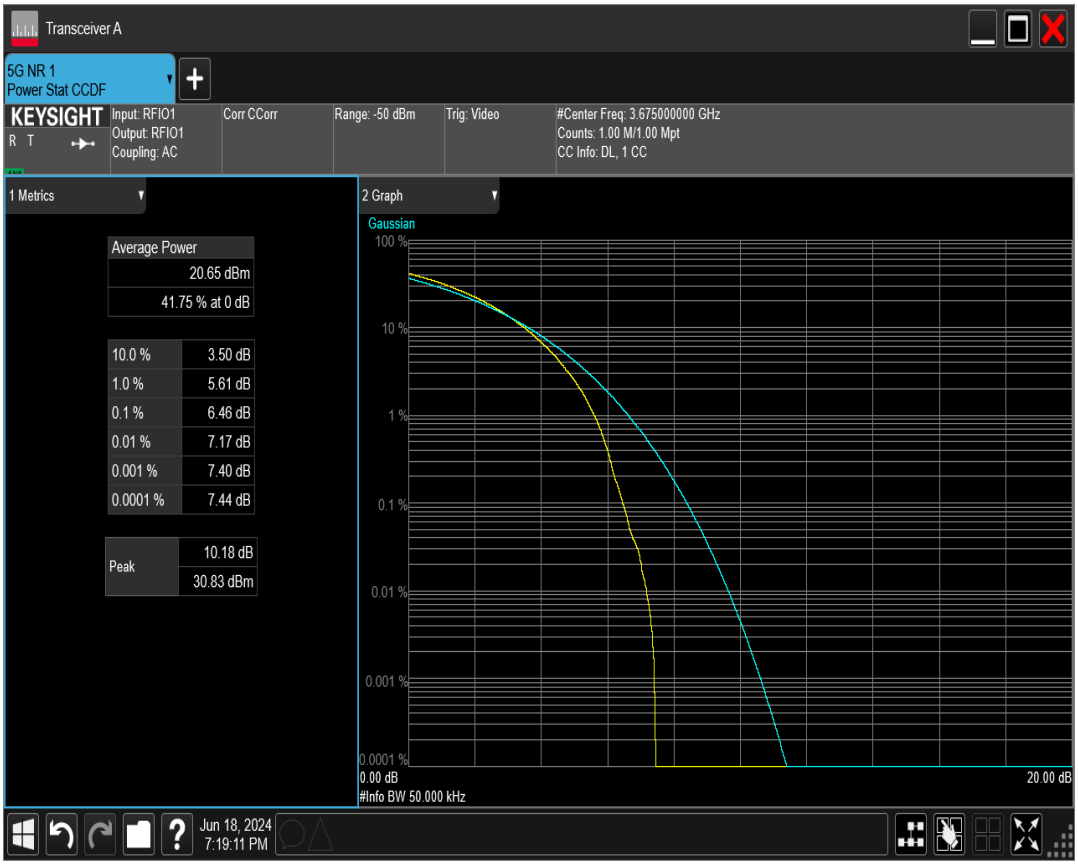
***n78(3550-3700) SCS=30kHz DFT_QPSK BW=50MHz Channel=638334 RB=128@0***



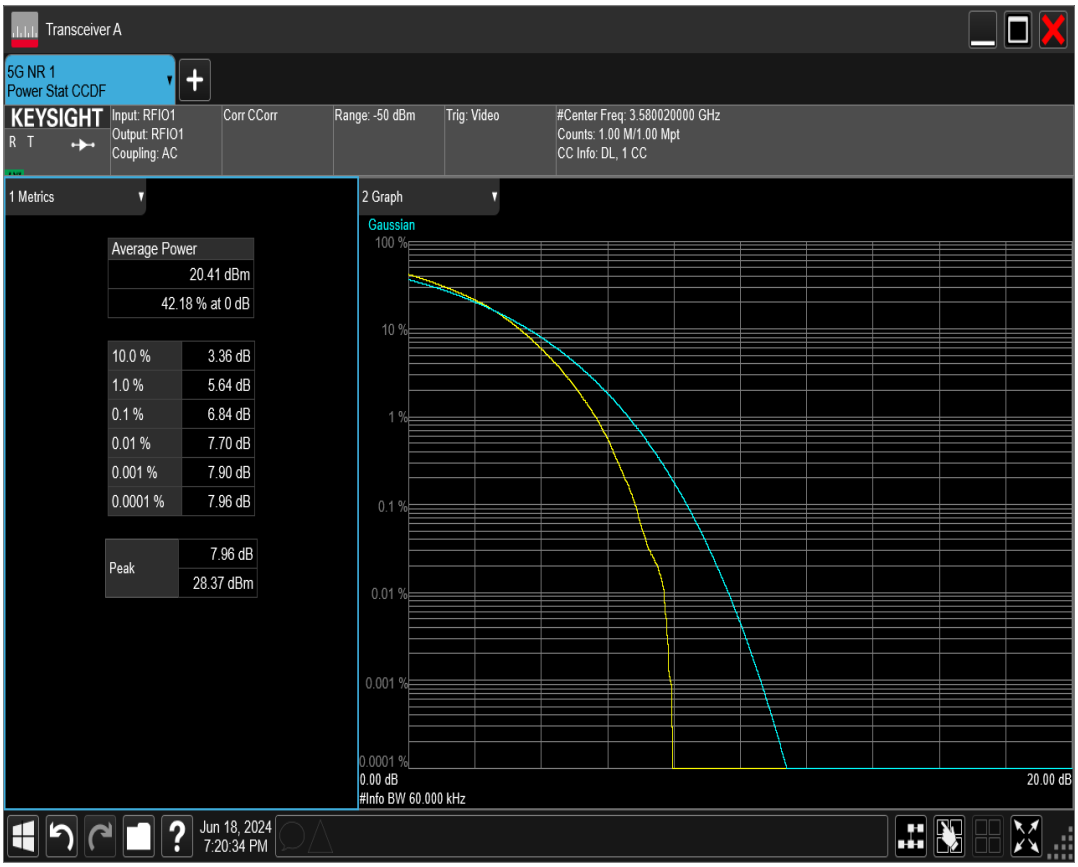

***n78(3550-3700) SCS=30kHz DFT_QPSK BW=50MHz Channel=641666 RB=128@0***



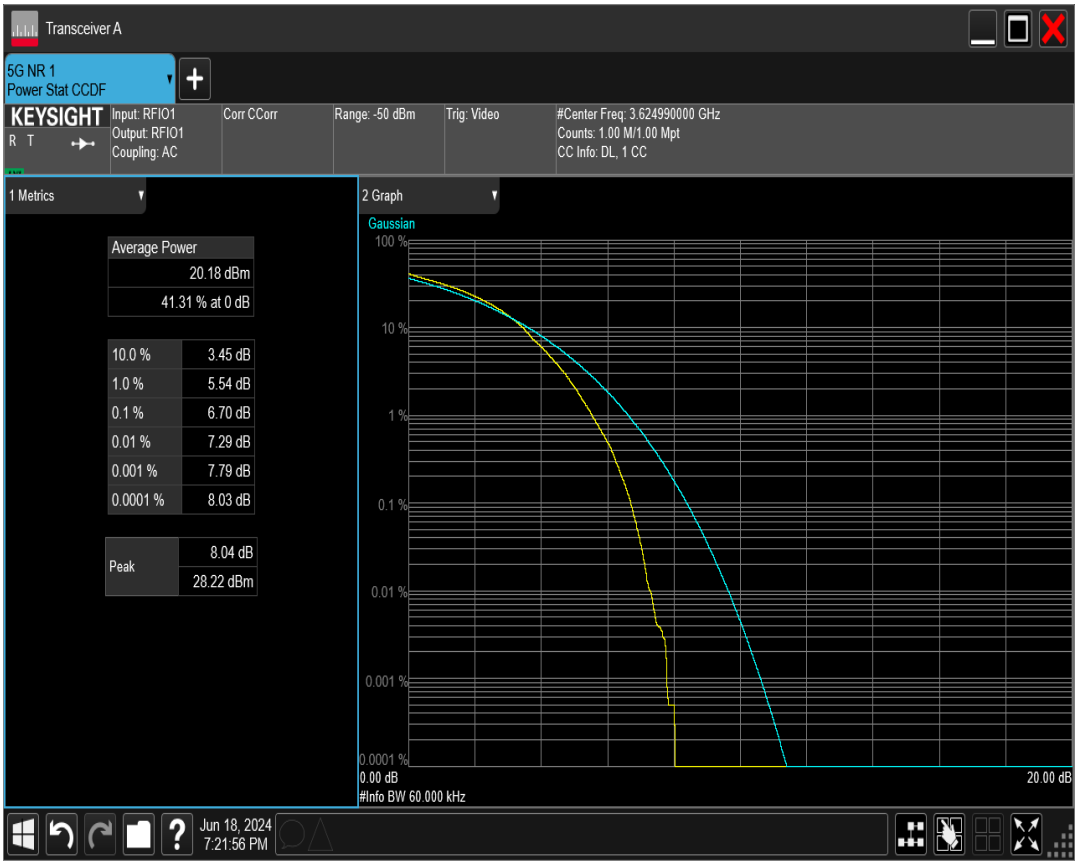
***n78(3550-3700) SCS=30kHz DFT_QPSK BW=50MHz Channel=645000 RB=128@0***



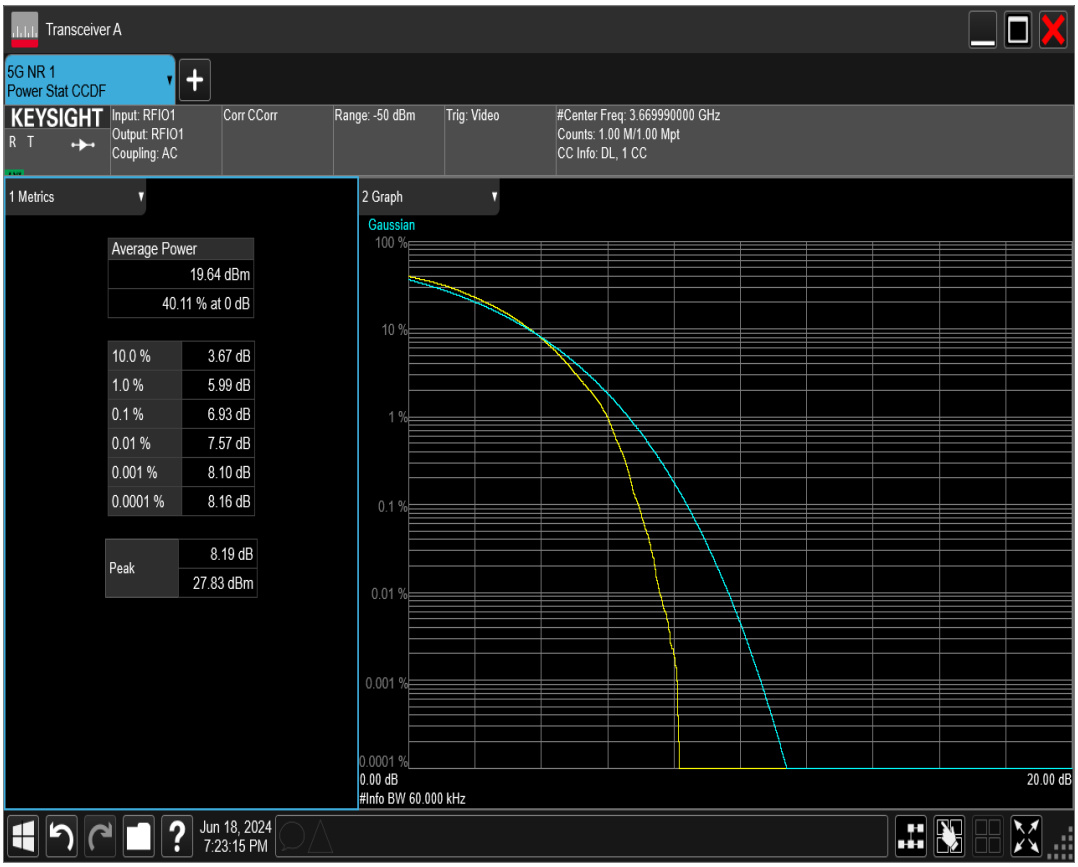

***n78(3550-3700) SCS=30kHz DFT_QPSK BW=60MHz Channel=638668 RB=162@0***



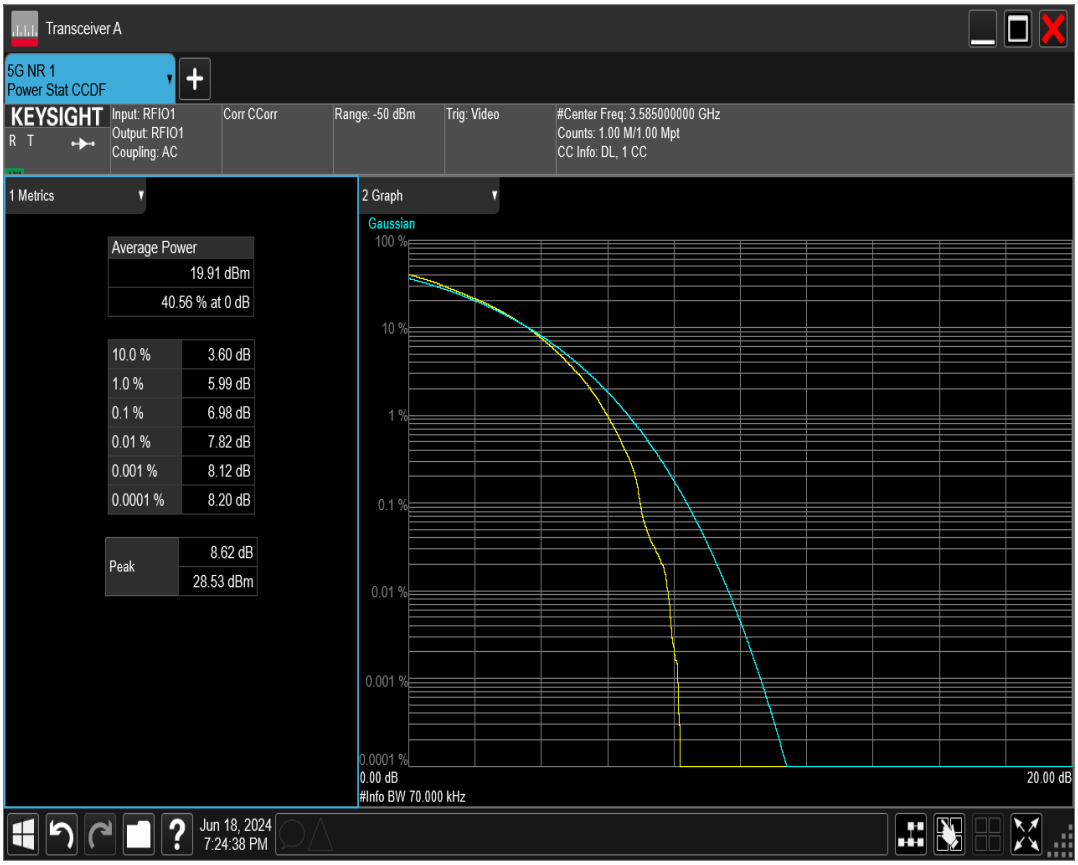
***n78(3550-3700) SCS=30kHz DFT_QPSK BW=60MHz Channel=641666 RB=162@0***



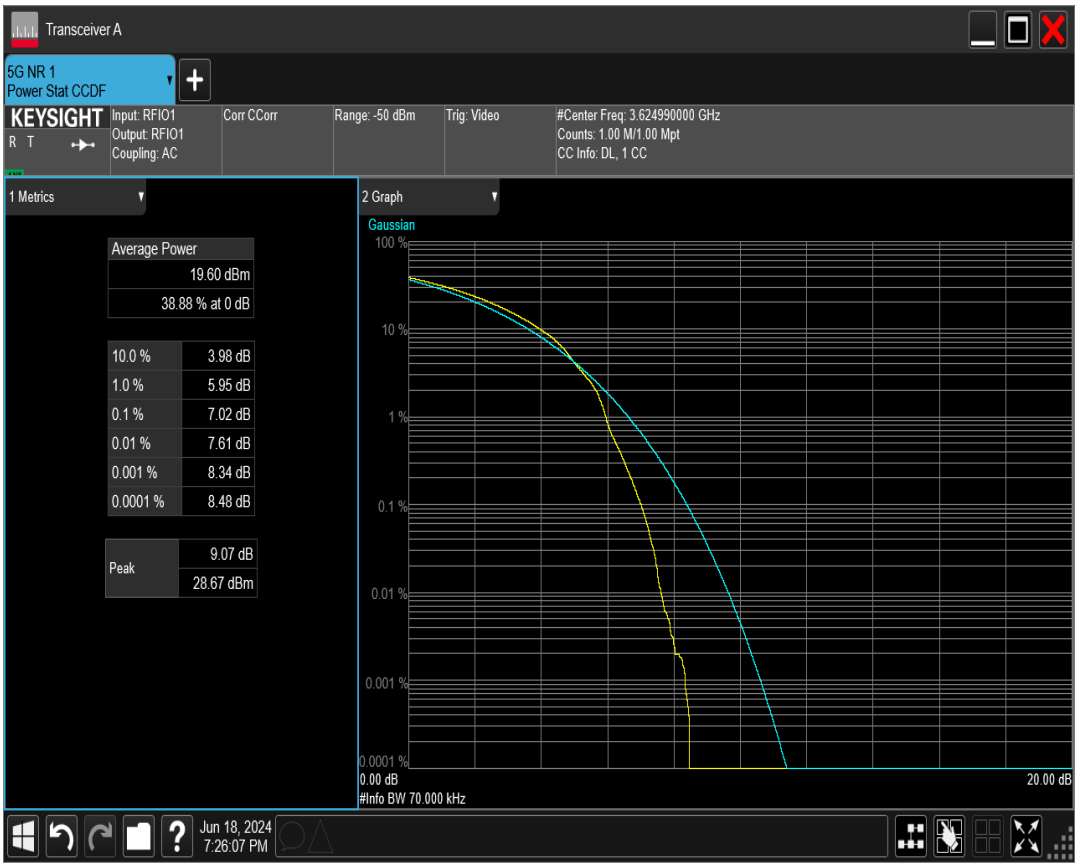

***n78(3550-3700) SCS=30kHz DFT_QPSK BW=60MHz Channel=644666 RB=162@0***



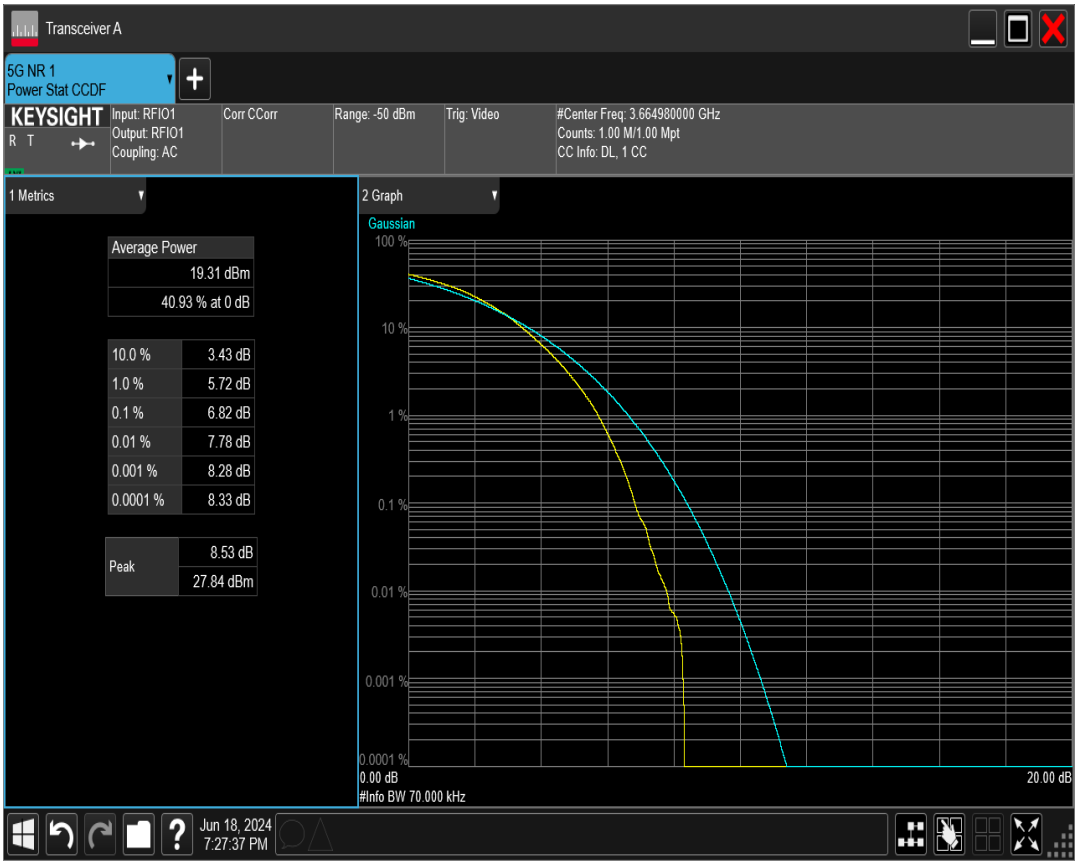
***n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=639000 RB=180@0***



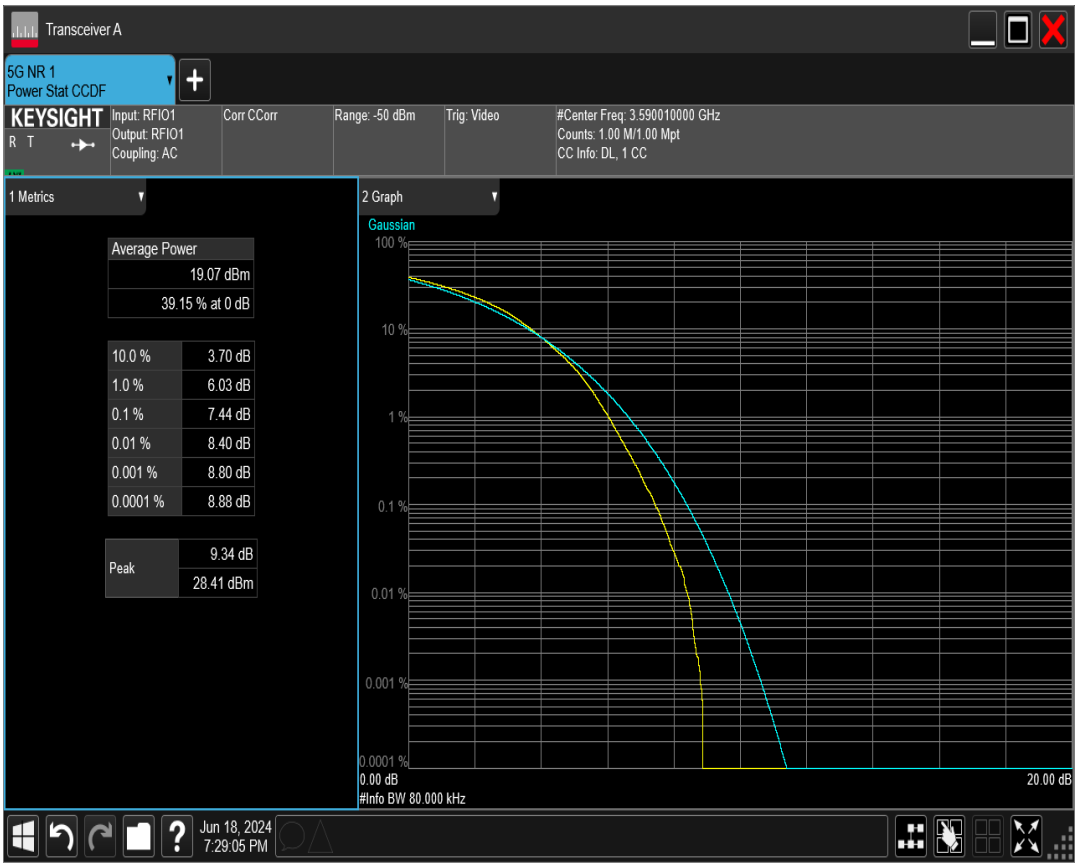

***n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=641666 RB=180@0***



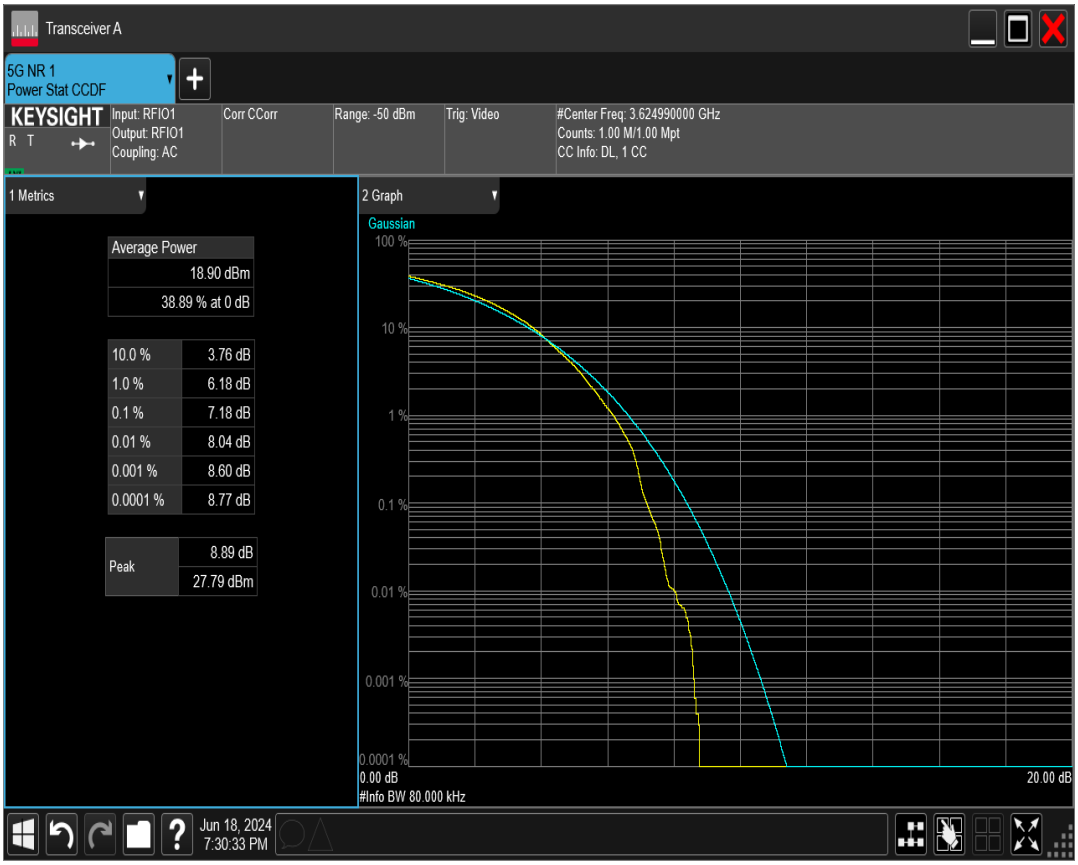
***n78(3550-3700) SCS=30kHz DFT_QPSK BW=70MHz Channel=644332 RB=180@0***



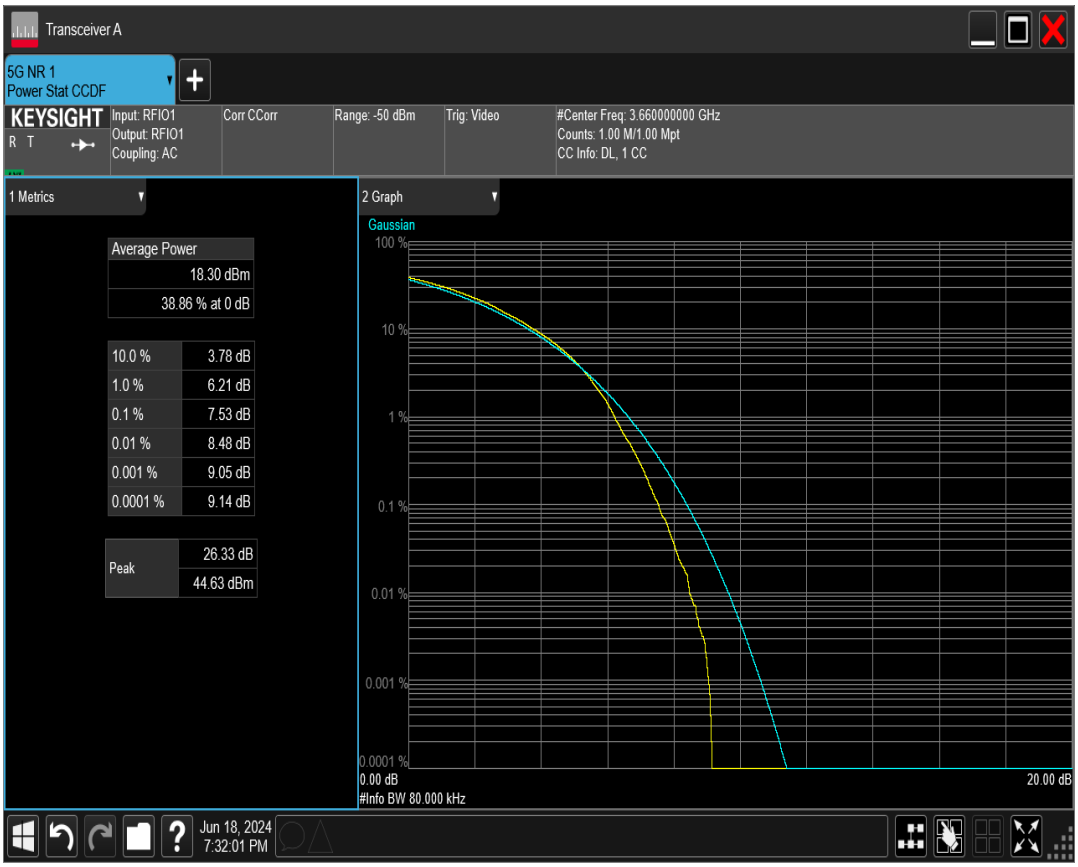

***n78(3550-3700) SCS=30kHz DFT_QPSK BW=80MHz Channel=639334 RB=216@0***



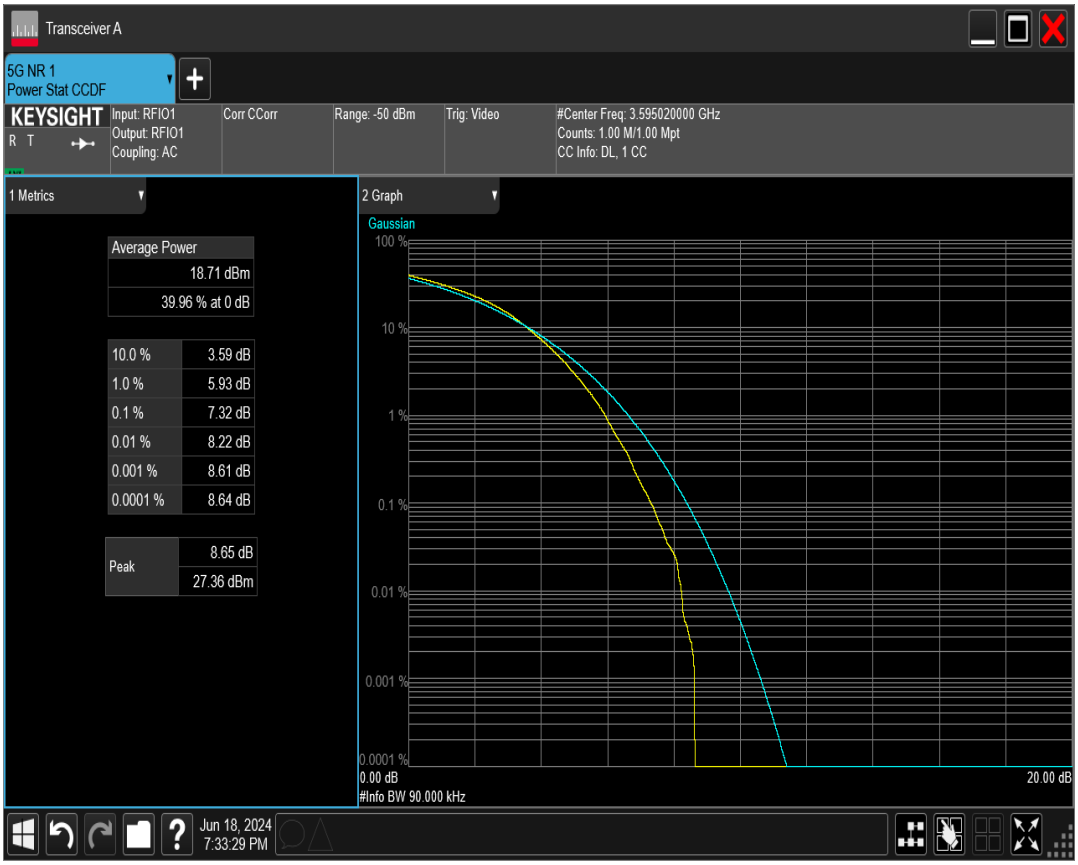
***n78(3550-3700) SCS=30kHz DFT_QPSK BW=80MHz Channel=641666 RB=216@0***



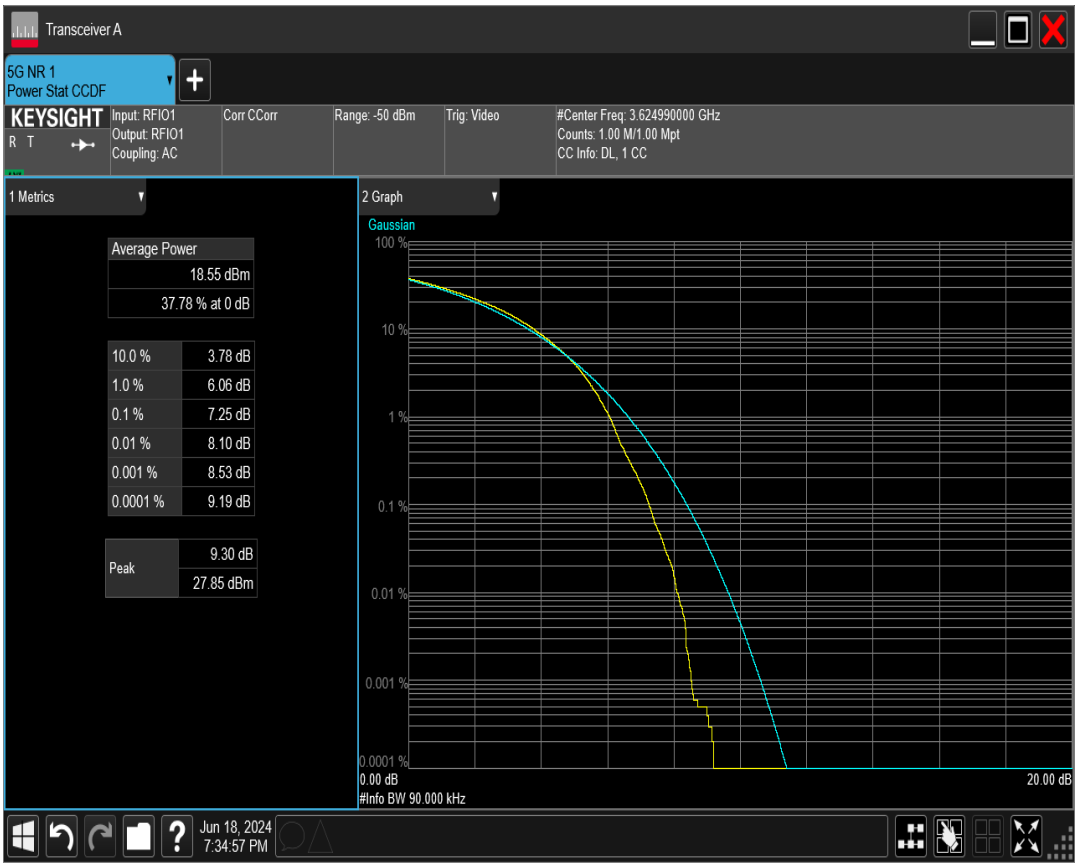

***n78(3550-3700) SCS=30kHz DFT_QPSK BW=80MHz Channel=644000 RB=216@0***



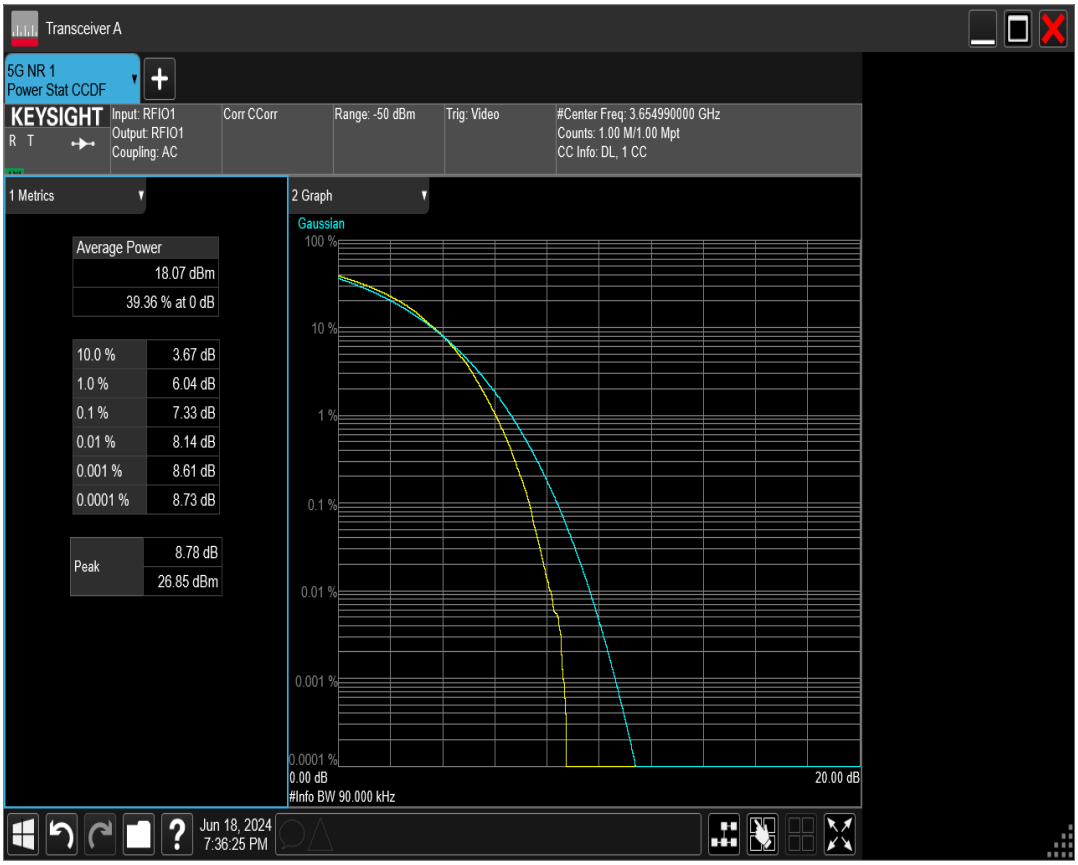
***n78(3550-3700) SCS=30kHz DFT_QPSK BW=90MHz Channel=639668 RB=240@0***




***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***



# 4 Occupied bandwidth for NR FR1

| Band | SCS (kHz) | Bandwidth (MHz) | UL Channel | RB Allocation | Modulation | 99% OBW (MHz) | -26dB EBW (MHz) | Verdict |
|---|---|---|---|---|---|---|---|---|
| n78(3550-3700) | 30 | 10 | 641666 | 24@0 | DFT_BPSK | 8.530 | 8.950 | PASS |
| n78(3550-3700) | 30 | 10 | 641666 | 24@0 | DFT_QPSK | 8.590 | 8.930 | PASS |
| n78(3550-3700) | 30 | 10 | 641666 | 24@0 | DFT_QAM16 | 8.520 | 8.840 | PASS |
| n78(3550-3700) | 30 | 10 | 641666 | 24@0 | DFT_QAM64 | 8.550 | 8.930 | PASS |
| n78(3550-3700) | 30 | 10 | 641666 | 24@0 | DFT_QAM256 | 8.530 | 8.900 | PASS |
| n78(3550-3700) | 30 | 15 | 641666 | 36@0 | DFT_BPSK | 13.520 | 13.200 | PASS |
| n78(3550-3700) | 30 | 15 | 641666 | 36@0 | DFT_QPSK | 13.430 | 13.240 | PASS |
| n78(3550-3700) | 30 | 15 | 641666 | 36@0 | DFT_QAM16 | 13.470 | 13.290 | PASS |
| n78(3550-3700) | 30 | 15 | 641666 | 36@0 | DFT_QAM64 | 13.520 | 13.280 | PASS |
| n78(3550-3700) | 30 | 15 | 641666 | 36@0 | DFT_QAM256 | 13.460 | 13.270 | PASS |
| n78(3550-3700) | 30 | 20 | 641666 | 50@0 | DFT_BPSK | 18.060 | 18.240 | PASS |
| n78(3550-3700) | 30 | 20 | 641666 | 50@0 | DFT_QPSK | 18.030 | 18.350 | PASS |
| n78(3550-3700) | 30 | 20 | 641666 | 50@0 | DFT_QAM16 | 18.010 | 18.270 | PASS |
| n78(3550-3700) | 30 | 20 | 641666 | 50@0 | DFT_QAM64 | 18.060 | 18.310 | PASS |
| n78(3550-3700) | 30 | 20 | 641666 | 50@0 | DFT_QAM256 | 18.030 | 18.280 | PASS |
| n78(3550-3700) | 30 | 40 | 641666 | 100@0 | DFT_BPSK | 37.410 | 36.270 | PASS |
| n78(3550-3700) | 30 | 40 | 641666 | 100@0 | DFT_QPSK | 37.450 | 36.330 | PASS |
| n78(3550-3700) | 30 | 40 | 641666 | 100@0 | DFT_QAM16 | 37.510 | 36.270 | PASS |
| n78(3550-3700) | 30 | 40 | 641666 | 100@0 | DFT_QAM64 | 37.360 | 36.270 | PASS |
| n78(3550-3700) | 30 | 40 | 641666 | 100@0 | DFT_QAM256 | 37.450 | 36.330 | PASS |
| n78(3550-3700) | 30 | 50 | 641666 | 128@0 | DFT_BPSK | 47.020 | 46.330 | PASS |
| n78(3550-3700) | 30 | 50 | 641666 | 128@0 | DFT_QPSK | 47.000 | 46.430 | PASS |
| n78(3550-3700) | 30 | 50 | 641666 | 128@0 | DFT_QAM16 | 47.070 | 46.350 | PASS |
| n78(3550-3700) | 30 | 50 | 641666 | 128@0 | DFT_QAM64 | 46.870 | 46.400 | PASS |
| n78(3550-3700) | 30 | 50 | 641666 | 128@0 | DFT_QAM256 | 46.830 | 46.370 | PASS |
| n78(3550-3700) | 30 | 60 | 641666 | 162@0 | DFT_BPSK | 57.710 | 58.670 | PASS |
| n78(3550-3700) | 30 | 60 | 641666 | 162@0 | DFT_QPSK | 57.780 | 58.680 | PASS |
| n78(3550-3700) | 30 | 60 | 641666 | 162@0 | DFT_QAM16 | 57.700 | 58.590 | PASS |
| n78(3550-3700) | 30 | 60 | 641666 | 162@0 | DFT_QAM64 | 57.630 | 58.620 | PASS |
| n78(3550-3700) | 30 | 60 | 641666 | 162@0 | DFT_QAM256 | 57.700 | 58.610 | PASS |
| n78(3550-3700) | 30 | 70 | 641666 | 180@0 | DFT_BPSK | 66.750 | 65.120 | PASS |
| n78(3550-3700) | 30 | 70 | 641666 | 180@0 | DFT_QPSK | 66.680 | 65.080 | PASS |
| n78(3550-3700) | 30 | 70 | 641666 | 180@0 | DFT_QAM16 | 66.590 | 65.100 | PASS |
| n78(3550-3700) | 30 | 70 | 641666 | 180@0 | DFT_QAM64 | 66.830 | 65.160 | PASS |
| n78(3550-3700) | 30 | 70 | 641666 | 180@0 | DFT_QAM256 | 66.580 | 65.130 | PASS |
| n78(3550-3700) | 30 | 80 | 641666 | 216@0 | DFT_BPSK | 77.020 | 78.060 | PASS |
| n78(3550-3700) | 30 | 80 | 641666 | 216@0 | DFT_QPSK | 76.960 | 78.070 | PASS |
| n78(3550-3700) | 30 | 80 | 641666 | 216@0 | DFT_QAM16 | 76.910 | 78.110 | PASS |
| n78(3550-3700) | 30 | 80 | 641666 | 216@0 | DFT_QAM64 | 77.020 | 77.980 | PASS |
| n78(3550-3700) | 30 | 80 | 641666 | 216@0 | DFT_QAM256 | 77.020 | 78.020 | PASS |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| n78(3550-3700) | 30 | 90 | 641666 | 240@0 | DFT_BPSK | 86.430 | 86.740 | PASS |
| n78(3550-3700) | 30 | 90 | 641666 | 240@0 | DFT_QPSK | 86.410 | 86.770 | PASS |
| n78(3550-3700) | 30 | 90 | 641666 | 240@0 | DFT_QAM16 | 86.530 | 86.740 | PASS |
| n78(3550-3700) | 30 | 90 | 641666 | 240@0 | DFT_QAM64 | 86.340 | 86.650 | PASS |
| n78(3550-3700) | 30 | 90 | 641666 | 240@0 | DFT_QAM256 | 86.570 | 86.650 | PASS |
| n78(3550-3700) | 30 | 100 | 641666 | 270@0 | DFT_BPSK | 96.160 | 97.560 | PASS |
| n78(3550-3700) | 30 | 100 | 641666 | 270@0 | DFT_QPSK | 96.040 | 97.510 | PASS |
| n78(3550-3700) | 30 | 100 | 641666 | 270@0 | DFT_QAM16 | 96.290 | 97.600 | PASS |
| n78(3550-3700) | 30 | 100 | 641666 | 270@0 | DFT_QAM64 | 96.430 | 97.550 | PASS |
| n78(3550-3700) | 30 | 100 | 641666 | 270@0 | DFT_QAM256 | 96.130 | 97.600 | 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=50MHz Channel=641666 RB=128@0***

*n78(3550-3700) SCS=30kHz DFT_BPSK BW=60MHz Channel=641666 RB=162@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=100MHz Channel=641666 RB=270@0***

***n78(3550-3700) SCS=30kHz DFT_QAM16 BW=10MHz Channel=641666 RB=24@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=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=60MHz Channel=641666 RB=162@0***

***n78(3550-3700) SCS=30kHz DFT_QAM16 BW=70MHz Channel=641666 RB=180@0***

***n78(3550-3700) SCS=30kHz DFT_QAM16 BW=80MHz Channel=641666 RB=216@0***

***n78(3550-3700) SCS=30kHz DFT_QAM16 BW=90MHz Channel=641666 RB=240@0***

***n78(3550-3700) SCS=30kHz DFT_QAM256 BW=100MHz Channel=641666 RB=270@0***

***n78(3550-3700) SCS=30kHz DFT_QAM256 BW=10MHz Channel=641666 RB=24@0***

***n78(3550-3700) SCS=30kHz DFT_QAM256 BW=15MHz Channel=641666 RB=36@0***

***n78(3550-3700) SCS=30kHz DFT_QAM256 BW=20MHz Channel=641666 RB=50@0***

***n78(3550-3700) SCS=30kHz DFT_QAM256 BW=40MHz Channel=641666 RB=100@0***

***n78(3550-3700) SCS=30kHz DFT_QAM256 BW=50MHz Channel=641666 RB=128@0***

***n78(3550-3700) SCS=30kHz DFT_QAM256 BW=60MHz Channel=641666 RB=162@0***

***n78(3550-3700) SCS=30kHz DFT_QAM256 BW=70MHz Channel=641666 RB=180@0***

***n78(3550-3700) SCS=30kHz DFT_QAM256 BW=80MHz Channel=641666 RB=216@0***

***n78(3550-3700) SCS=30kHz DFT_QAM256 BW=90MHz Channel=641666 RB=240@0***