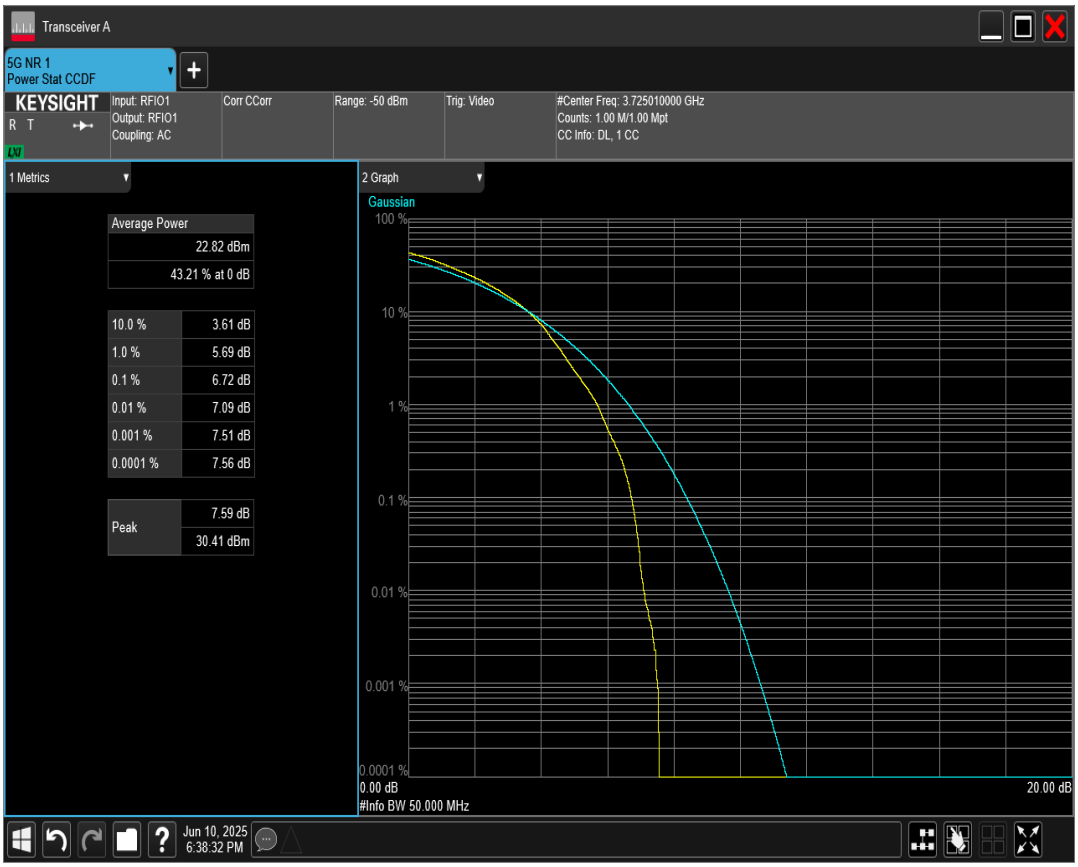
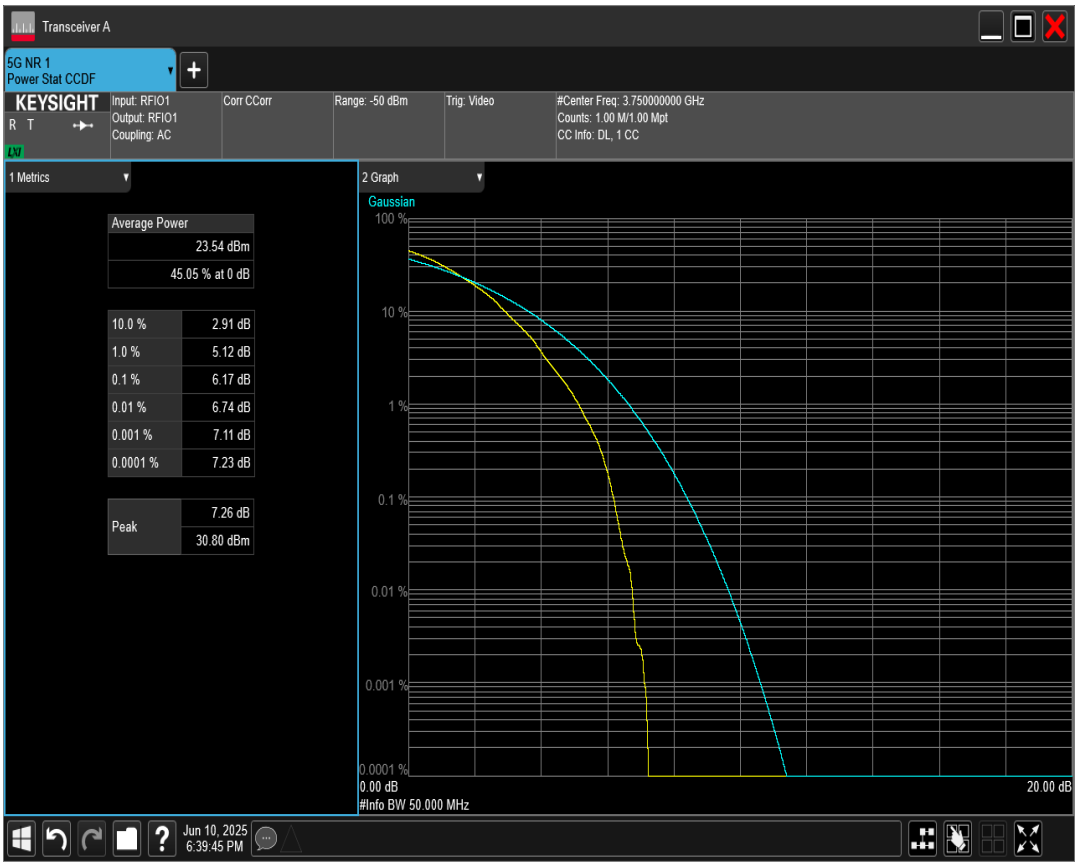


n78(3700-3800) SCS=30kHz DFT_QAM64 BW=50MHz Channel=650000 RB=128@0



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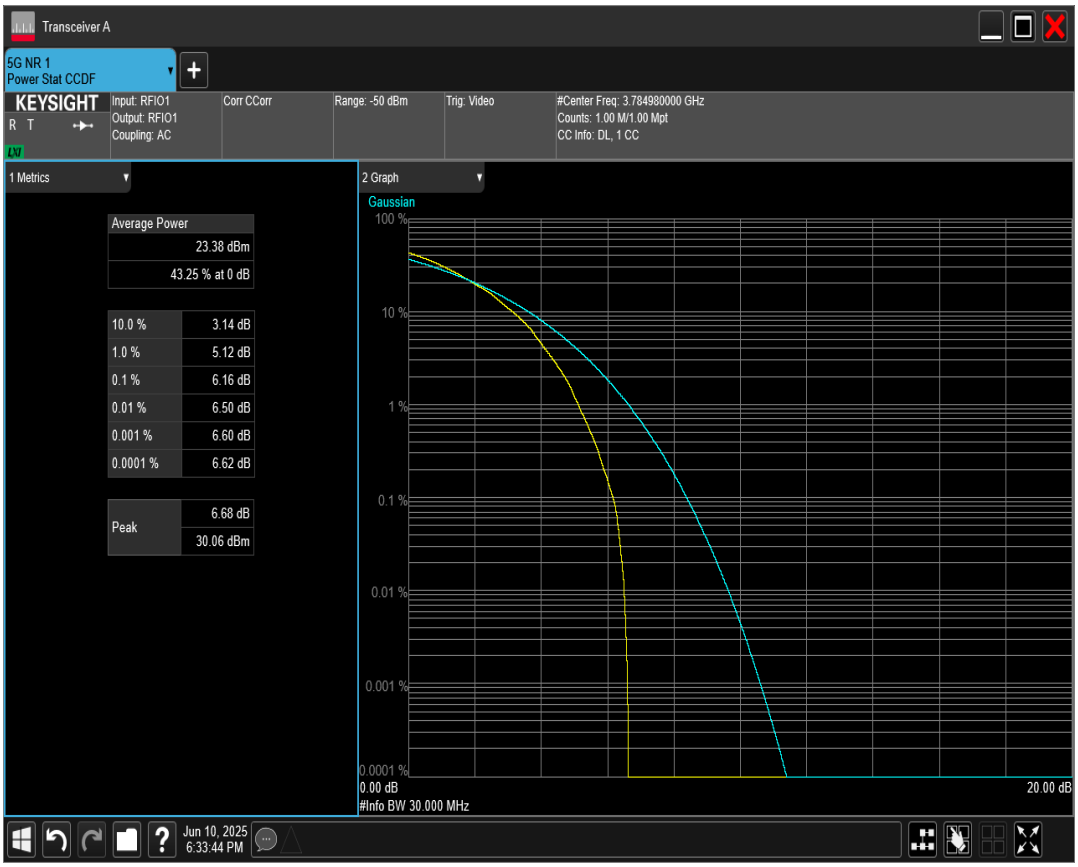

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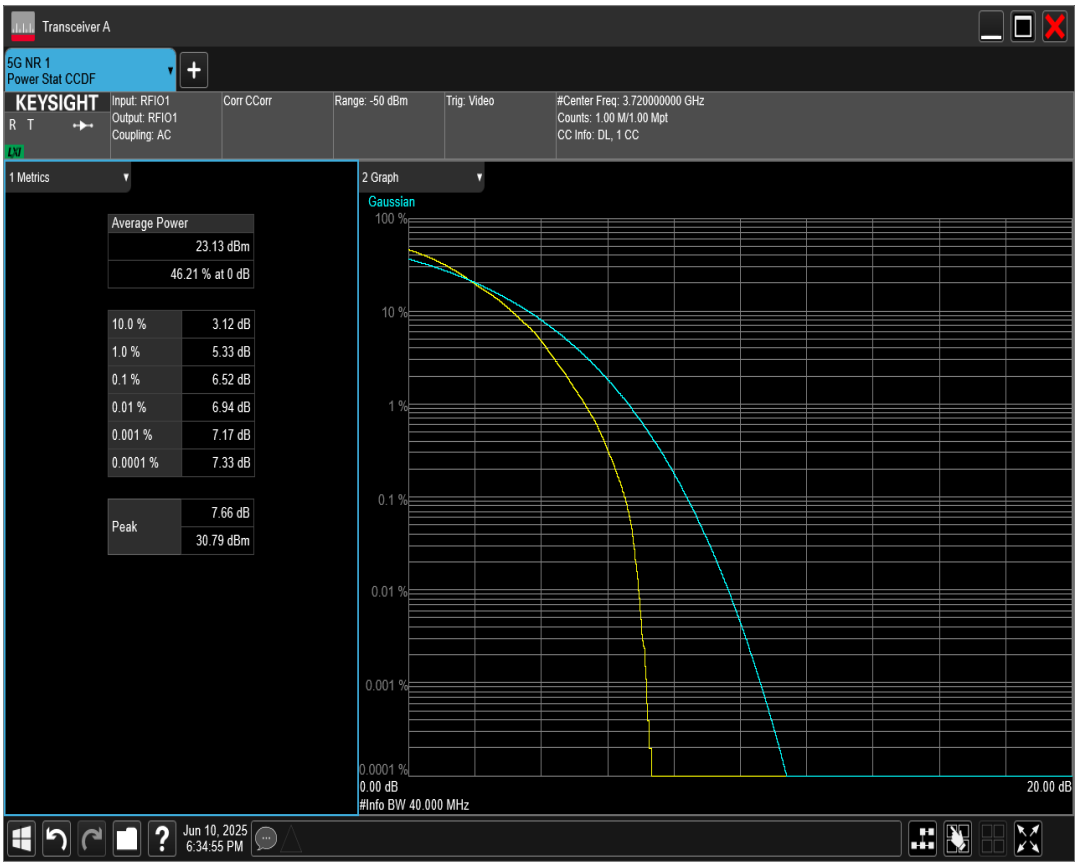
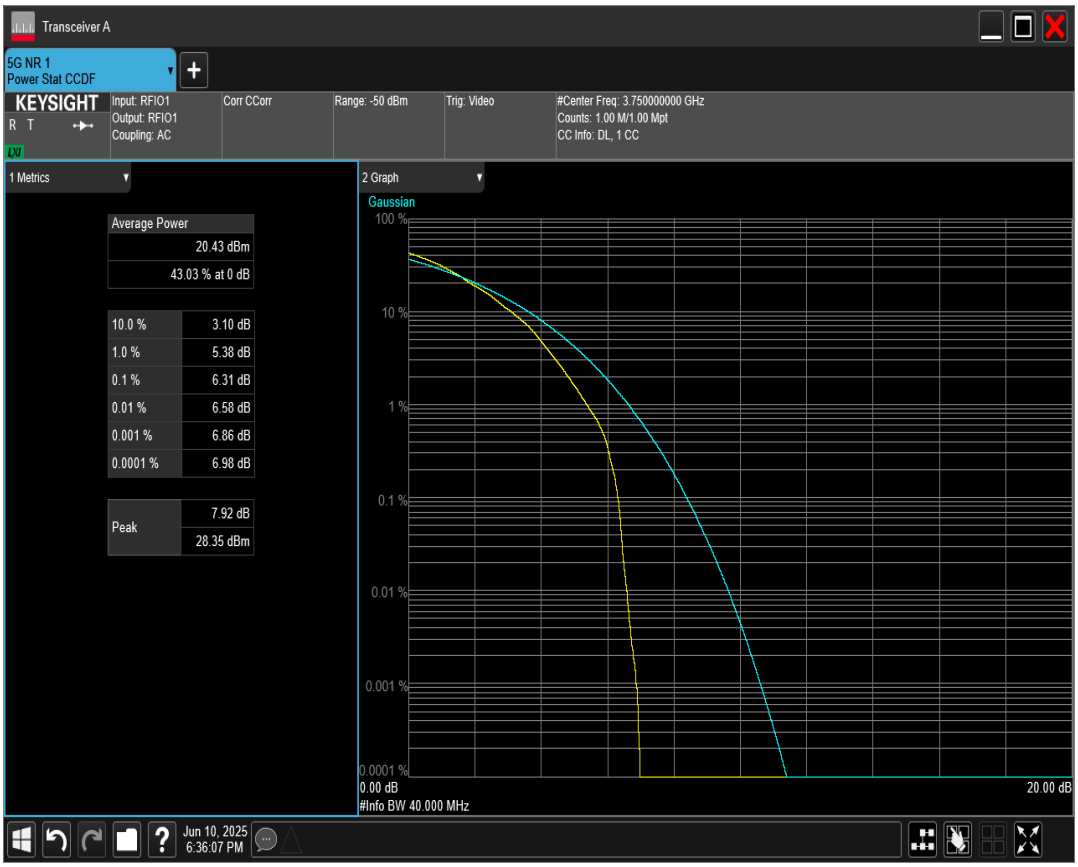
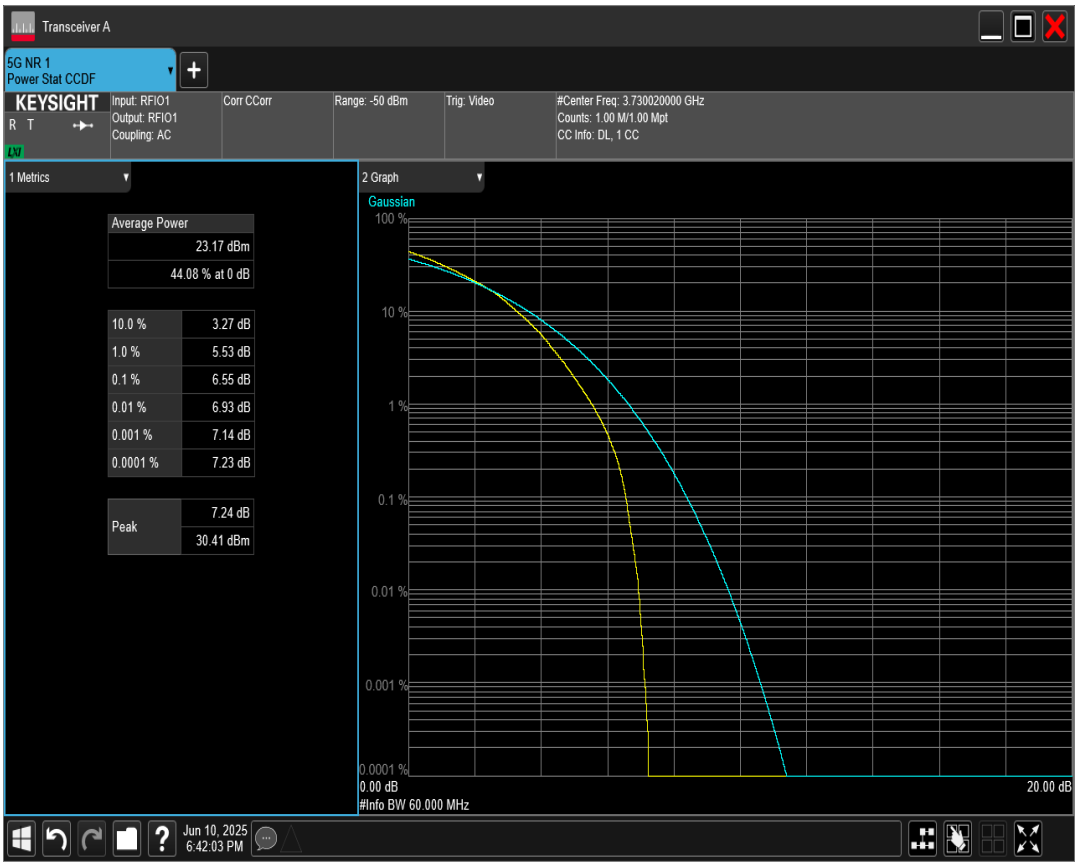


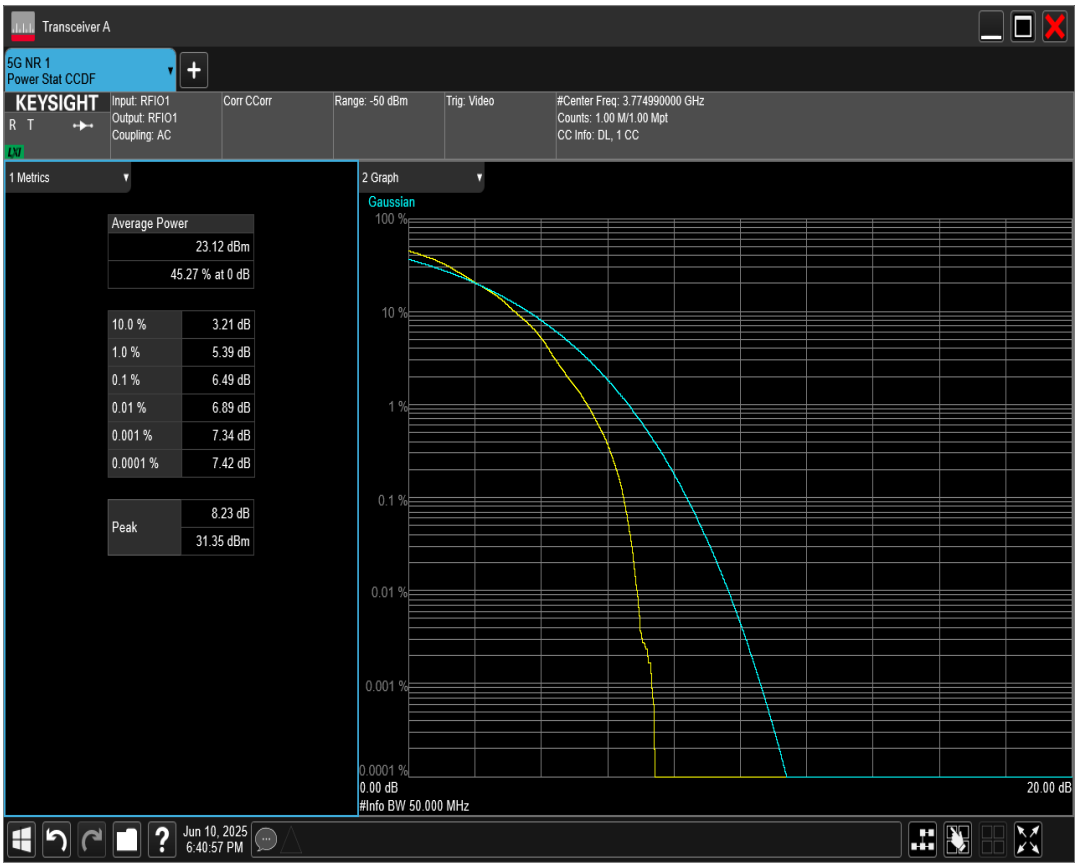
n78(3700-3800) SCS=30kHz DFT_QAM64 BW=40MHz Channel=650000 RB=100@0



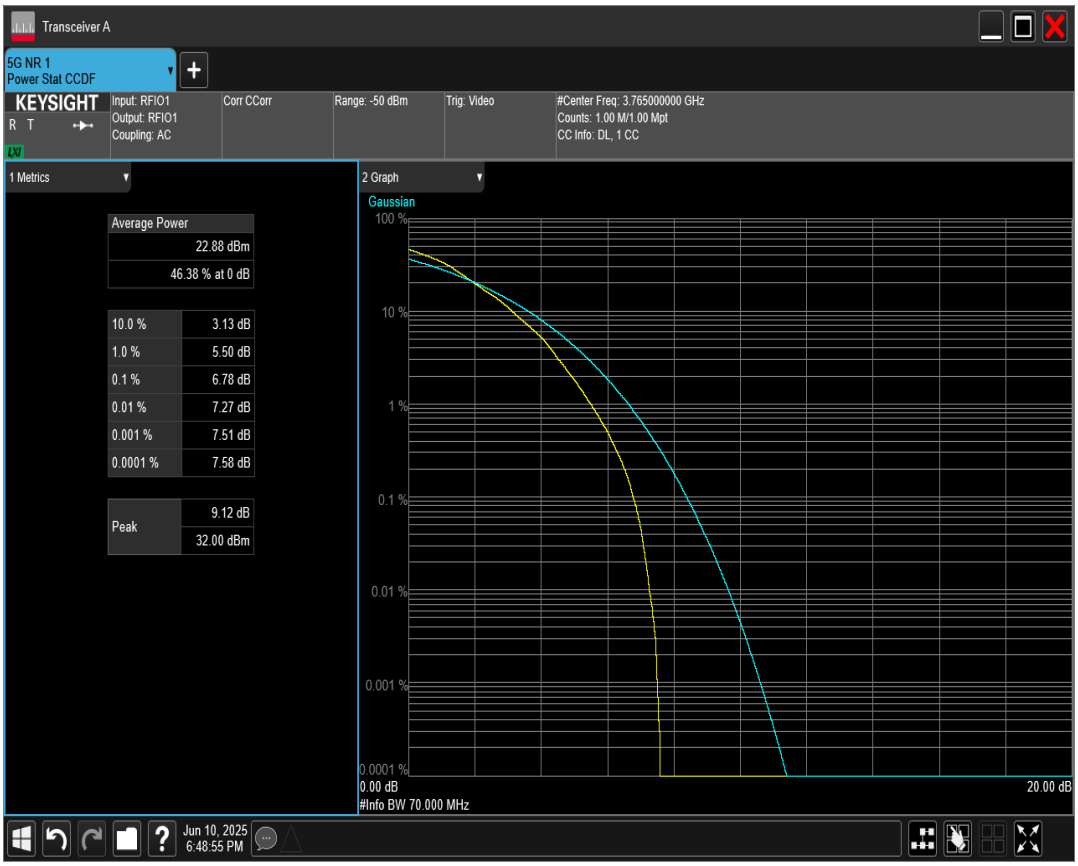
n78(3700-3800) SCS=30kHz DFT_QAM64 BW=60MHz Channel=648668 RB=162@0



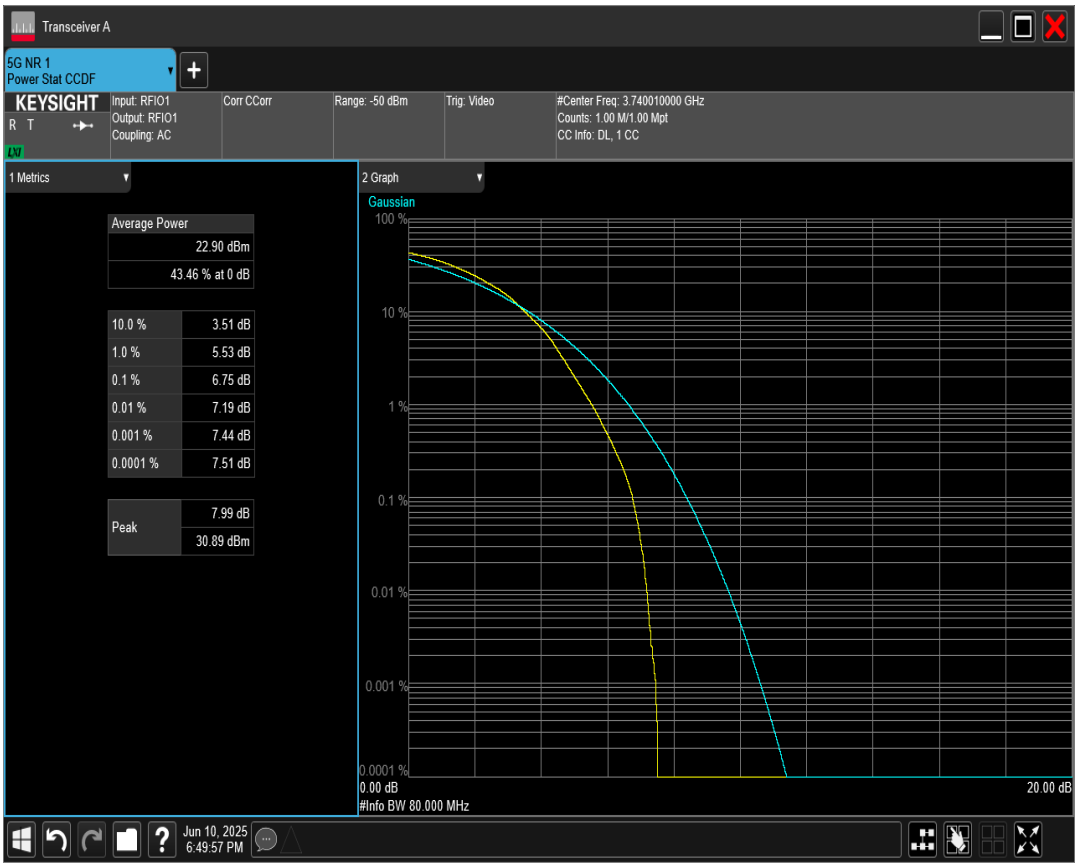
n78(3700-3800) SCS=30kHz DFT_QAM64 BW=50MHz Channel=651666 RB=128@0



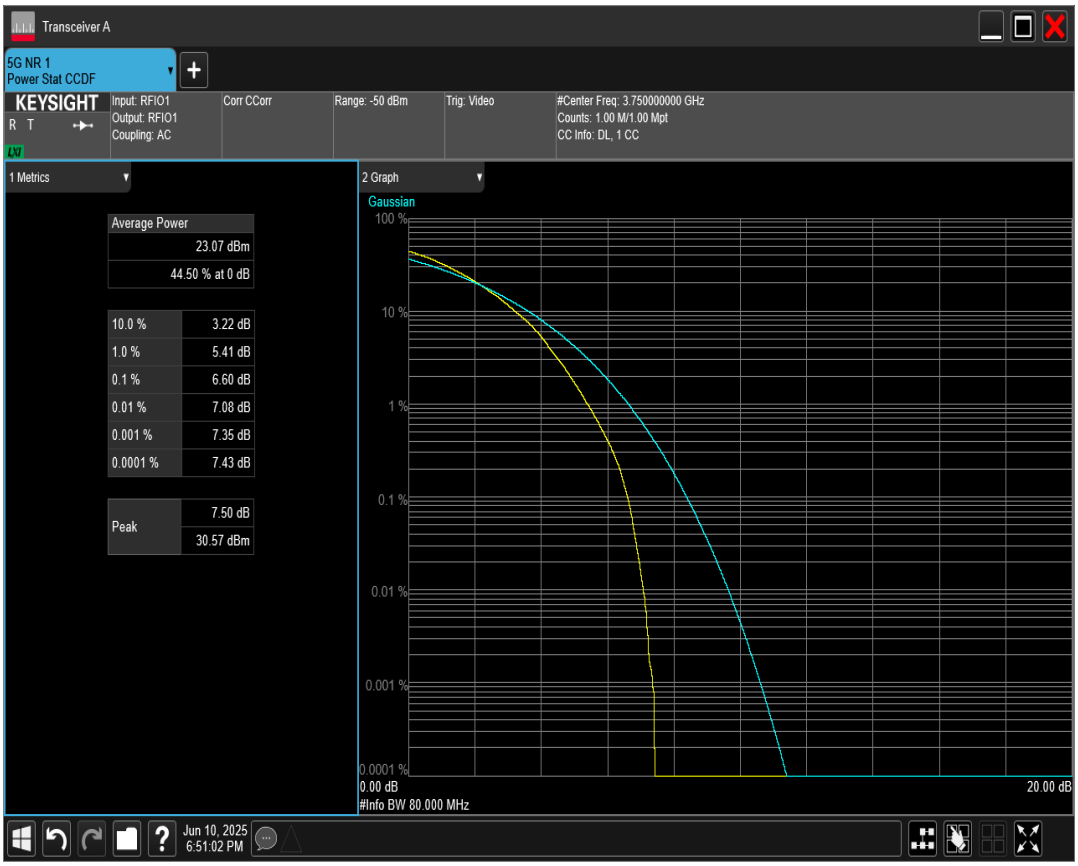
n78(3700-3800) SCS=30kHz DFT_QAM64 BW=70MHz Channel=651000 RB=180@0



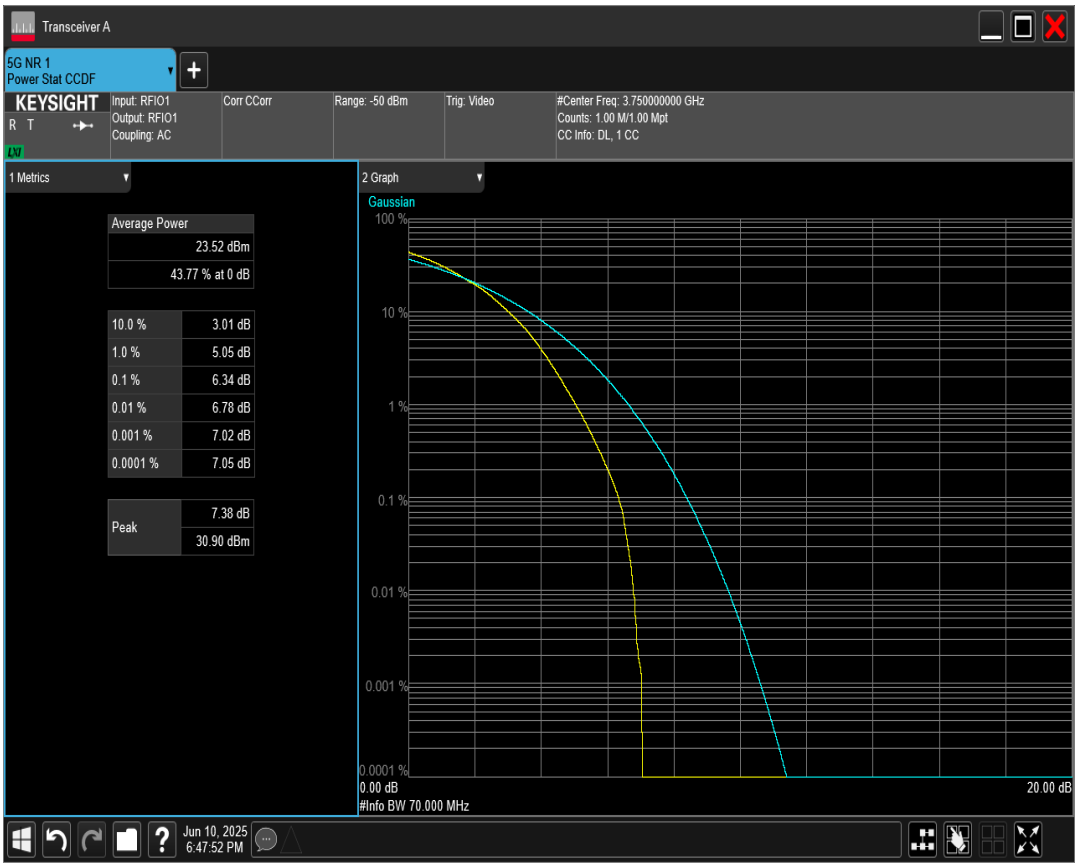
n78(3700-3800) SCS=30kHz DFT_QAM64 BW=80MHz Channel=649334 RB=216@0



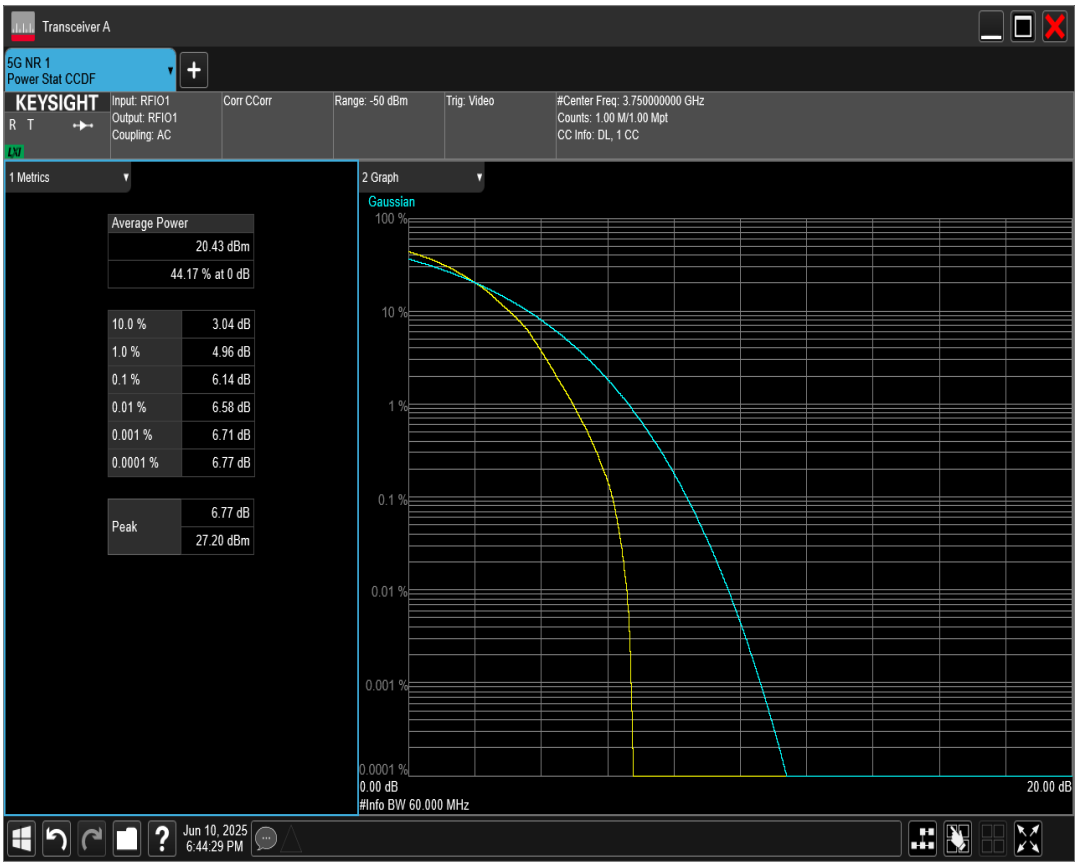
n78(3700-3800) SCS=30kHz DFT_QAM64 BW=80MHz Channel=650000 RB=216@0



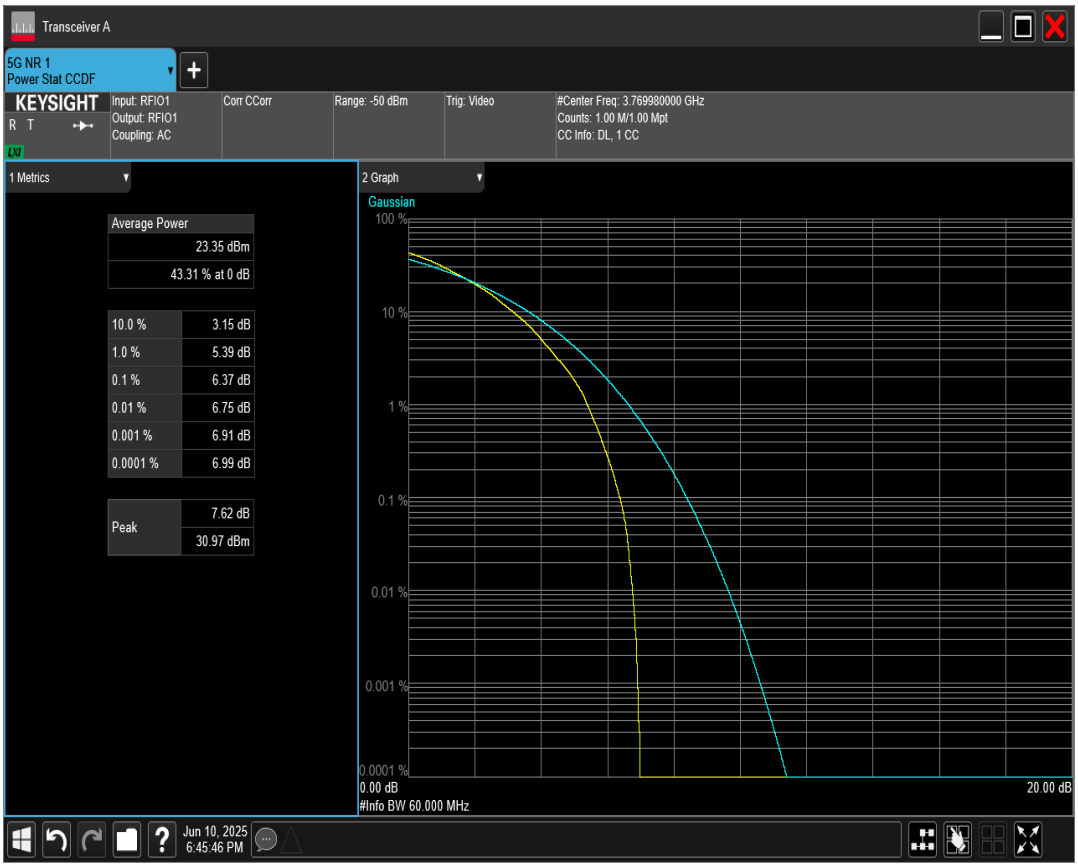
n78(3700-3800) SCS=30kHz DFT_QAM64 BW=70MHz Channel=650000 RB=180@0



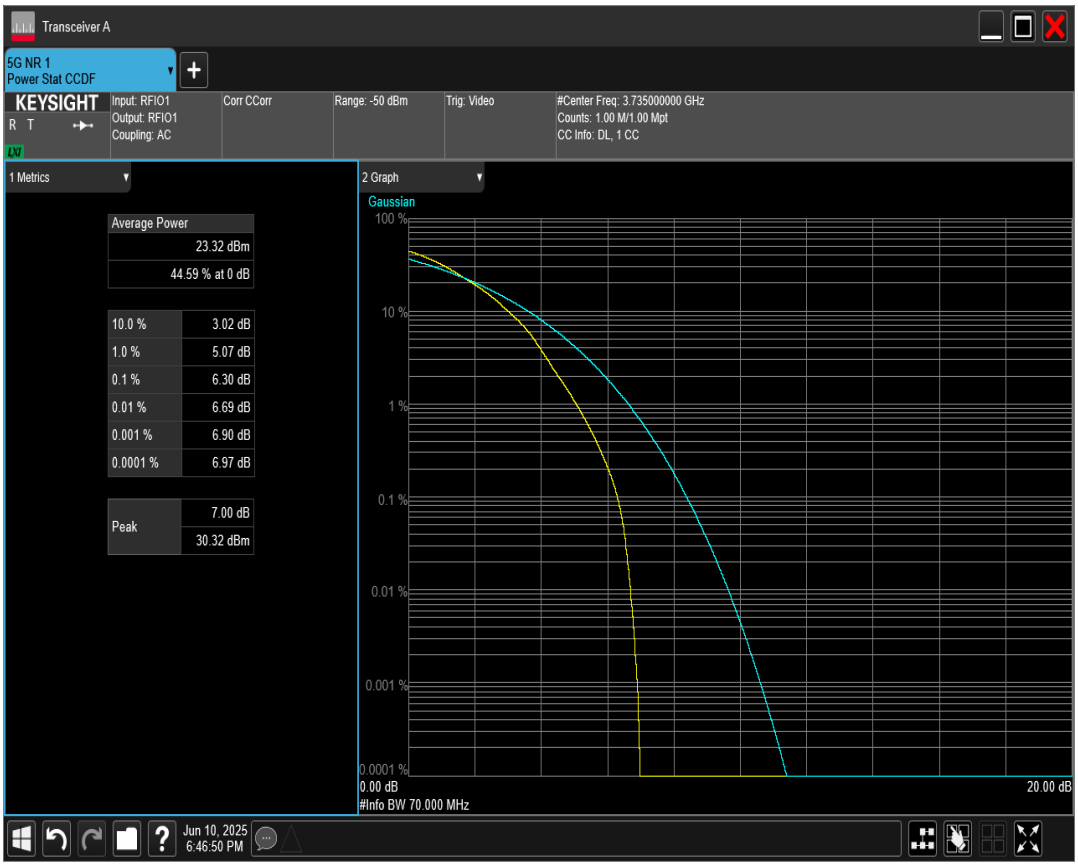
n78(3700-3800) SCS=30kHz DFT_QAM64 BW=60MHz Channel=650000 RB=162@0



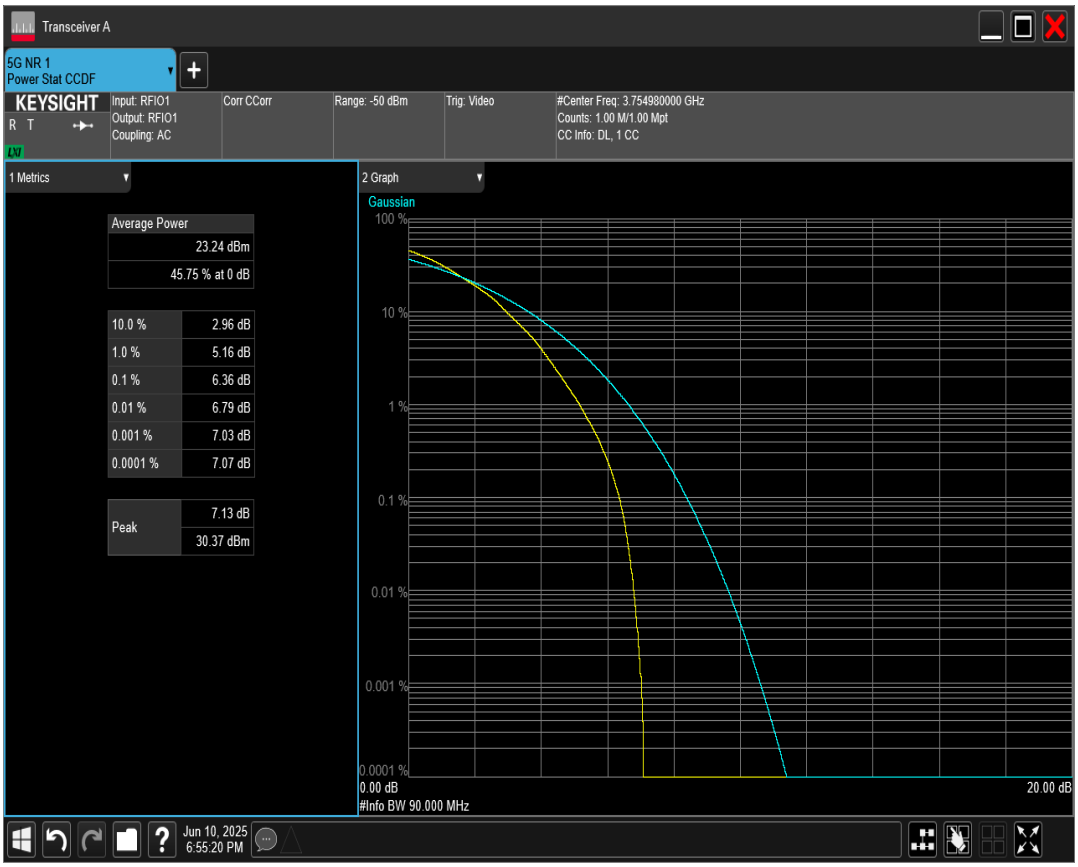
n78(3700-3800) SCS=30kHz DFT_QAM64 BW=60MHz Channel=651332 RB=162@0



n78(3700-3800) SCS=30kHz DFT_QAM64 BW=70MHz Channel=649000 RB=180@0



n78(3700-3800) SCS=30kHz DFT_QAM64 BW=90MHz Channel=650332 RB=240@0



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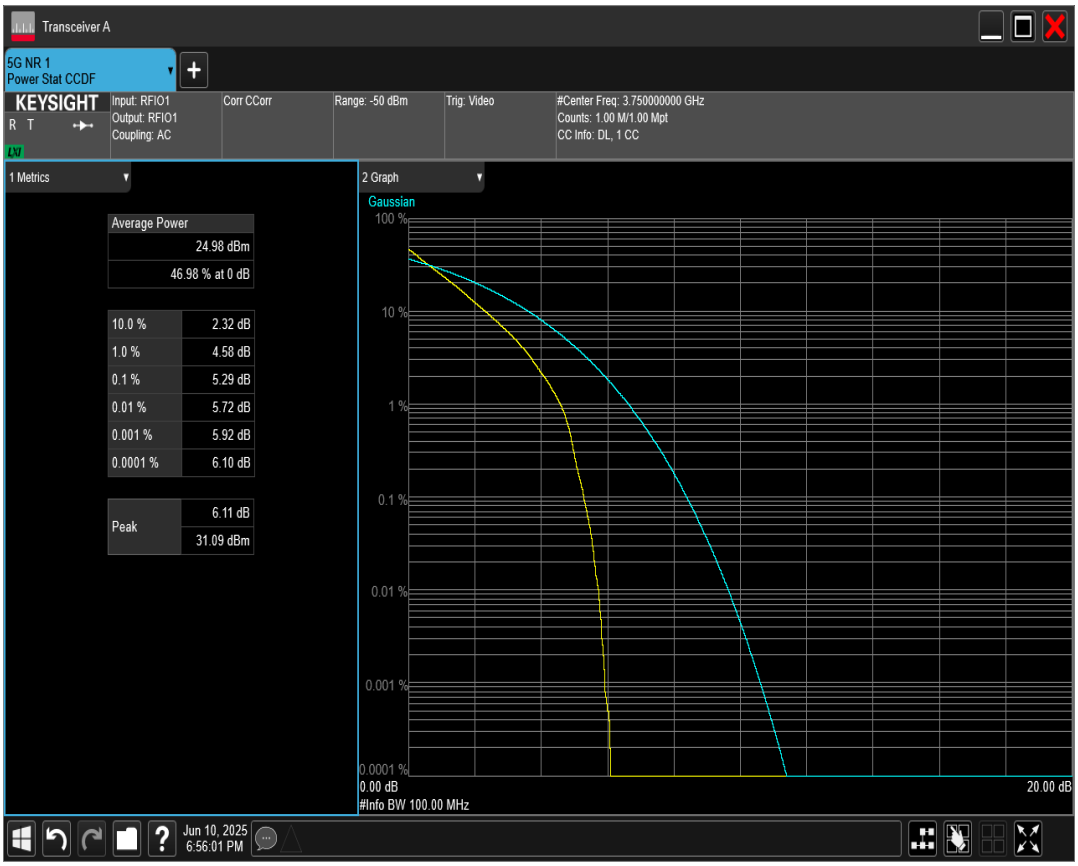
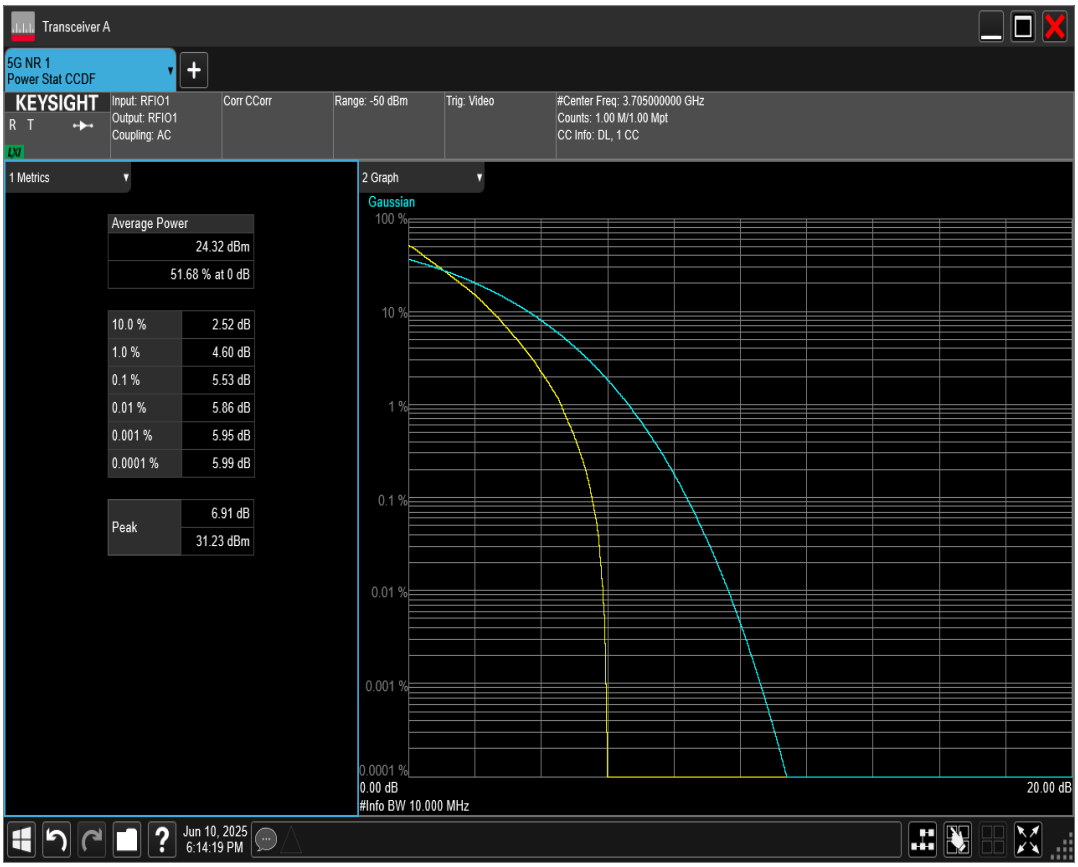
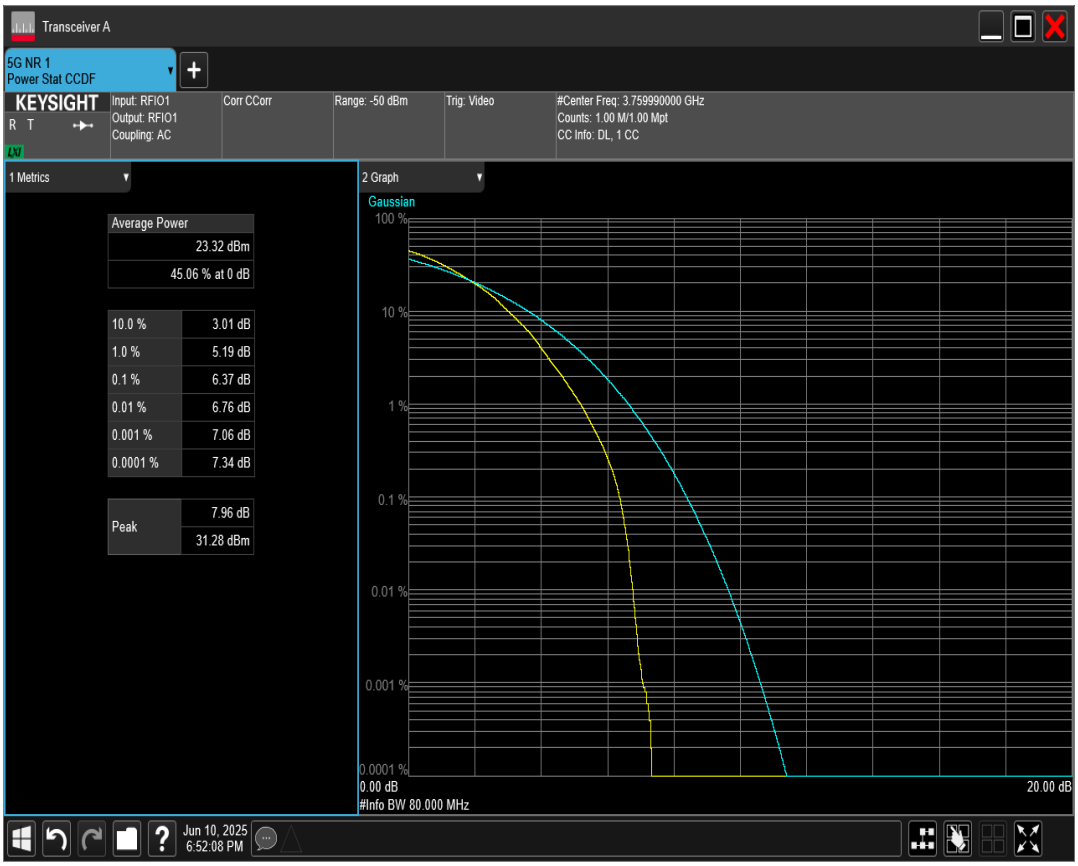


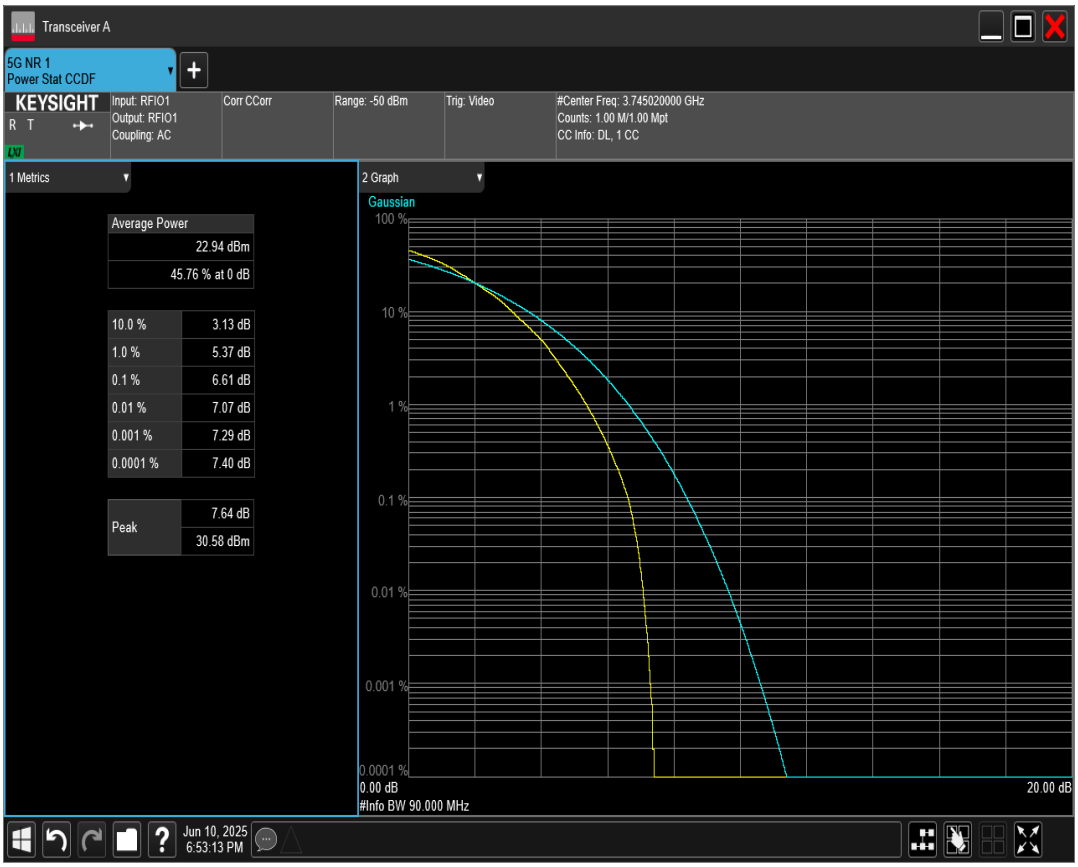
n78(3700-3800) SCS=30kHz DFT_QPSK BW=10MHz Channel=647000 RB=24@0



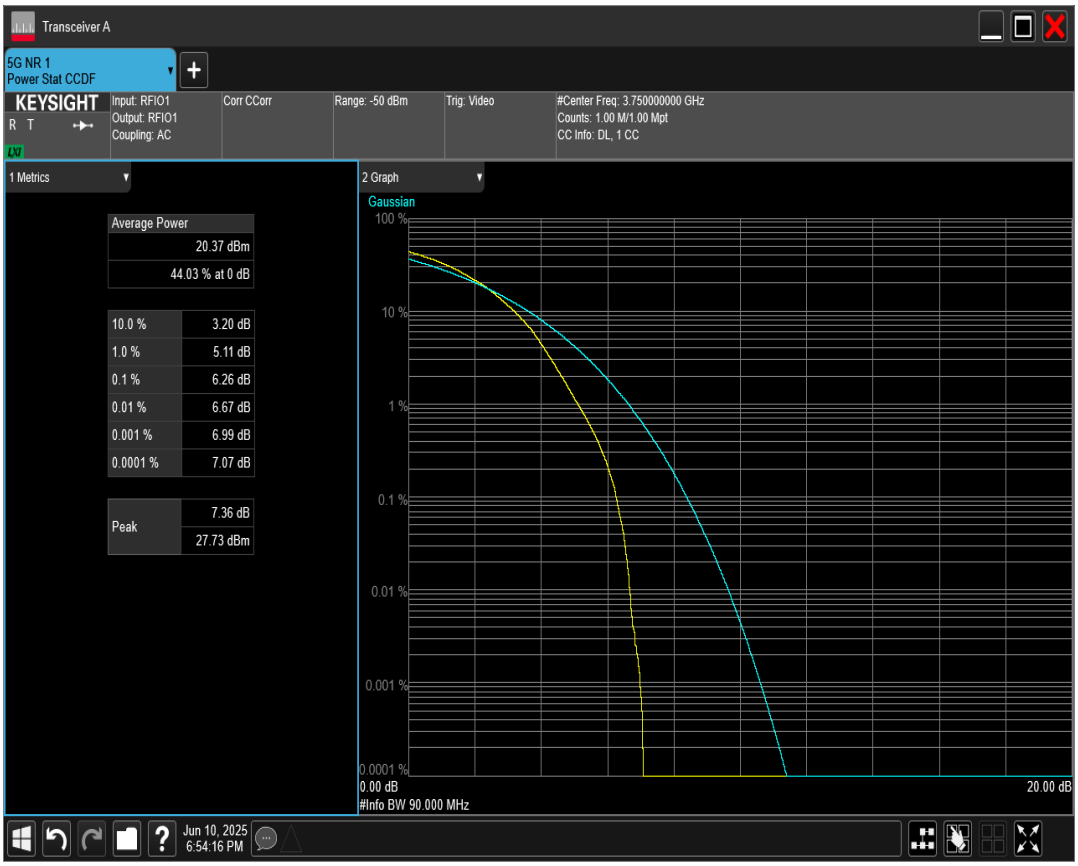
n78(3700-3800) SCS=30kHz DFT_QAM64 BW=80MHz Channel=650666 RB=216@0



n78(3700-3800) SCS=30kHz DFT_QAM64 BW=90MHz Channel=649668 RB=240@0



n78(3700-3800) SCS=30kHz DFT_QAM64 BW=90MHz Channel=650000 RB=240@0



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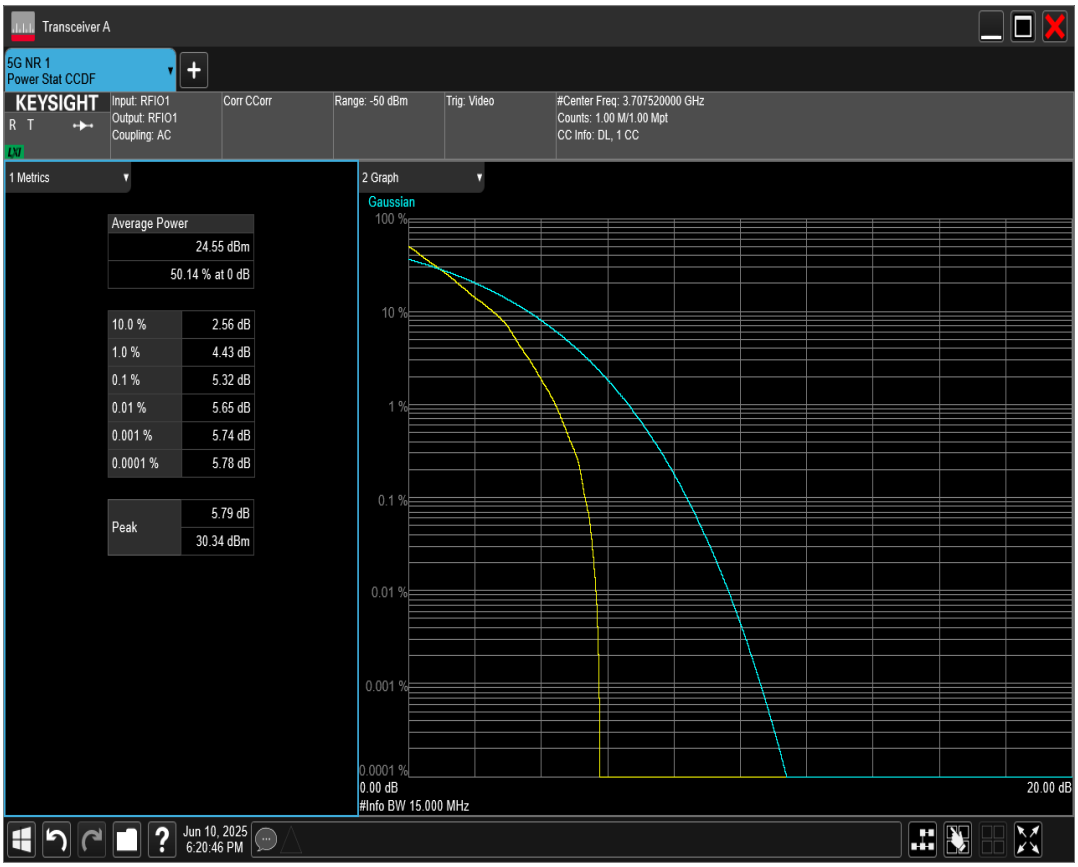
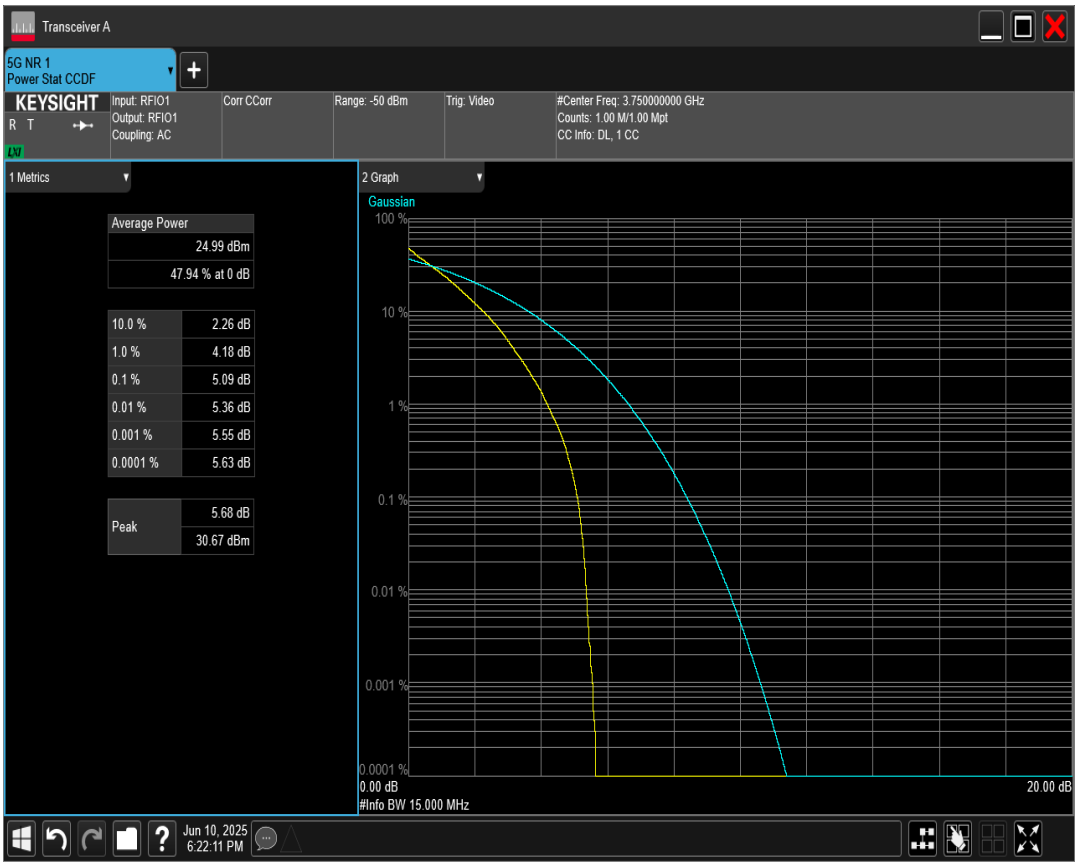
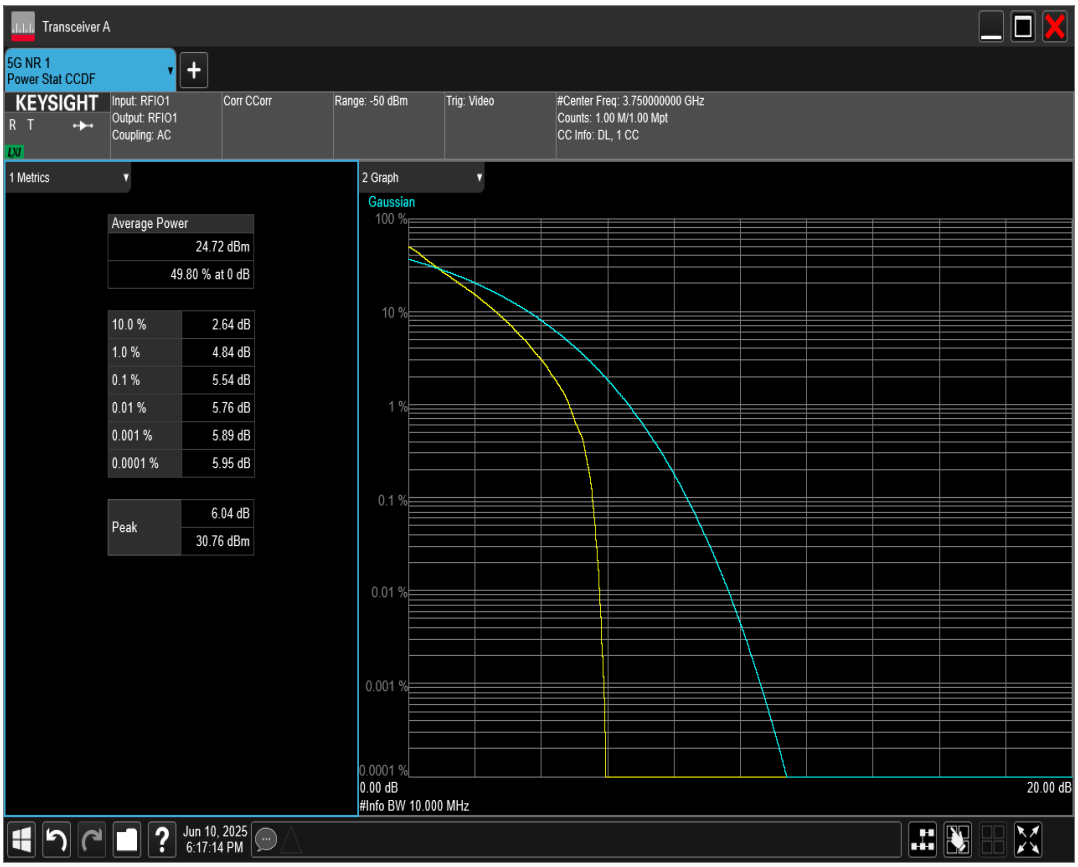


n78(3700-3800) SCS=30kHz DFT_QPSK BW=15MHz Channel=650000 RB=36@0



n78(3700-3800) SCS=30kHz DFT_QPSK BW=10MHz Channel=650000 RB=24@0



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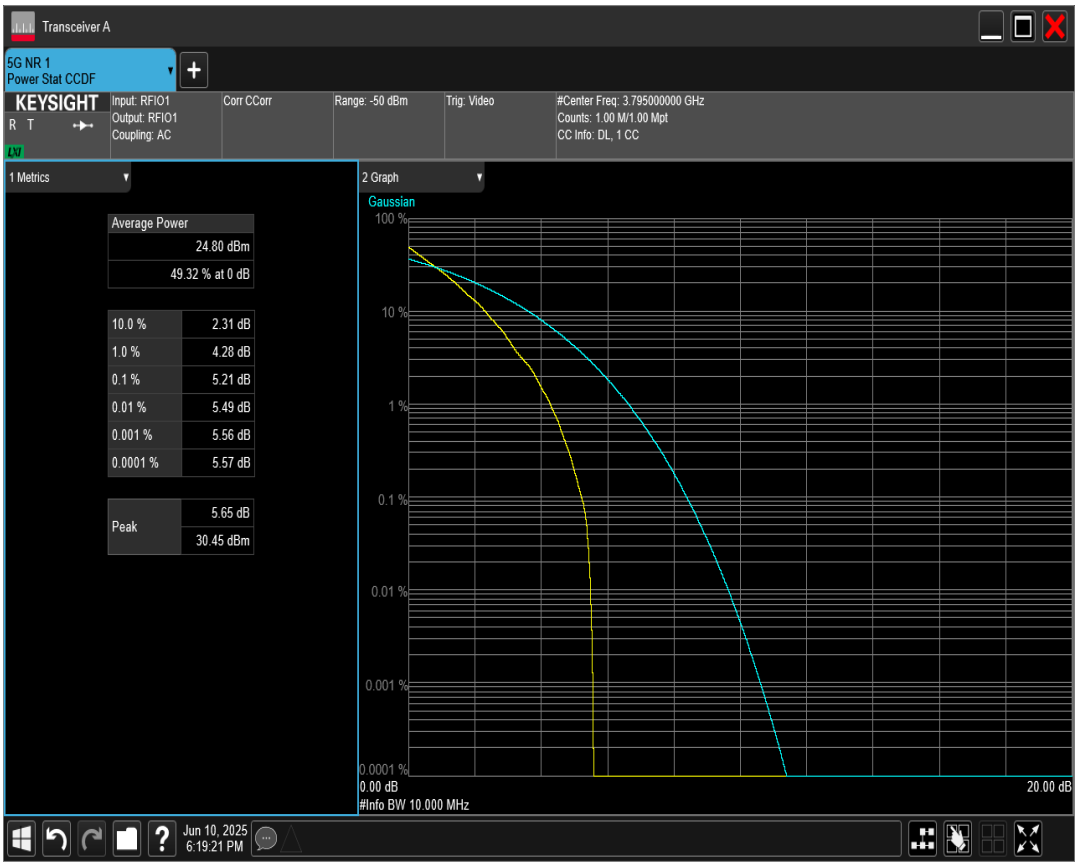
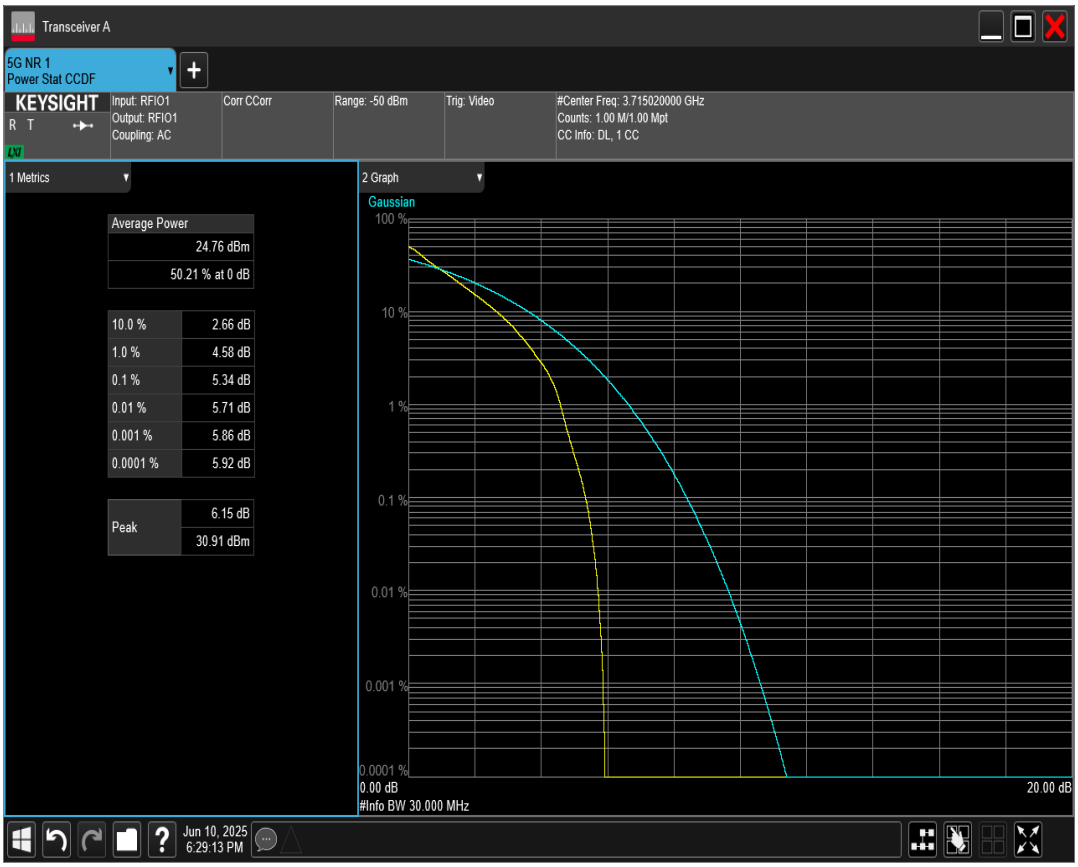
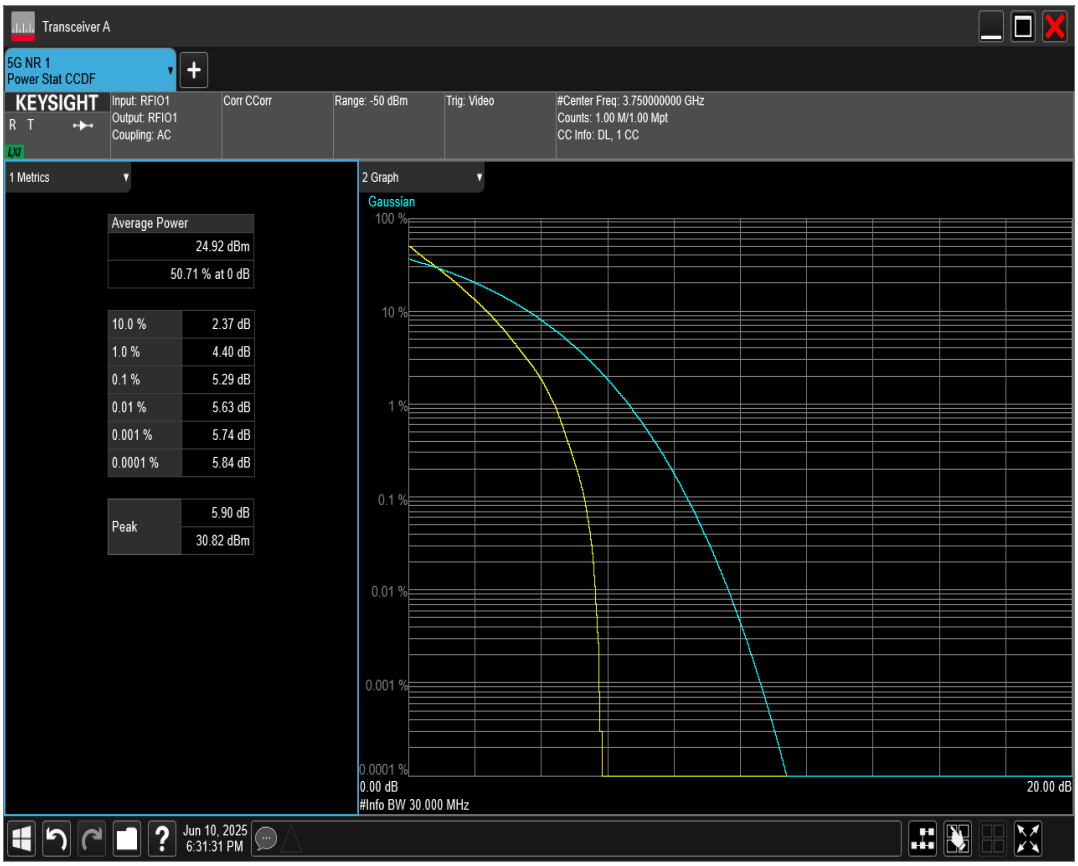


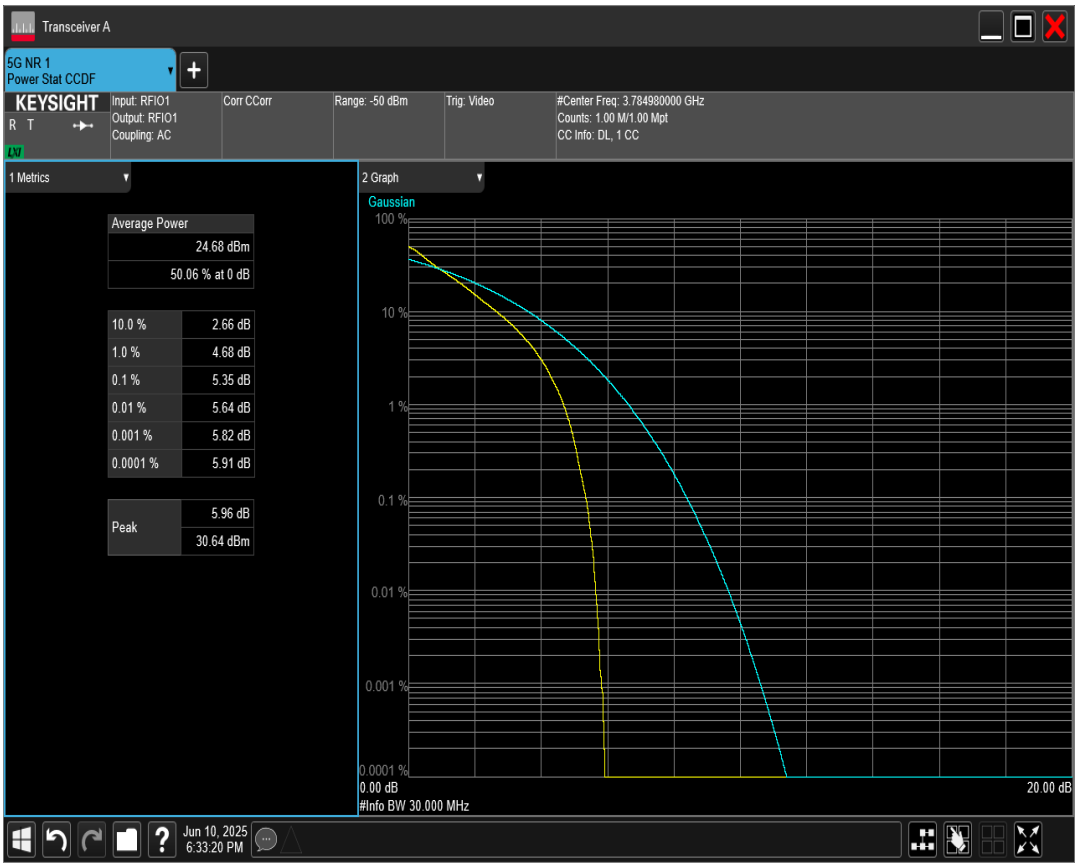
n78(3700-3800) SCS=30kHz DFT_QPSK BW=30MHz Channel=647668 RB=75@0



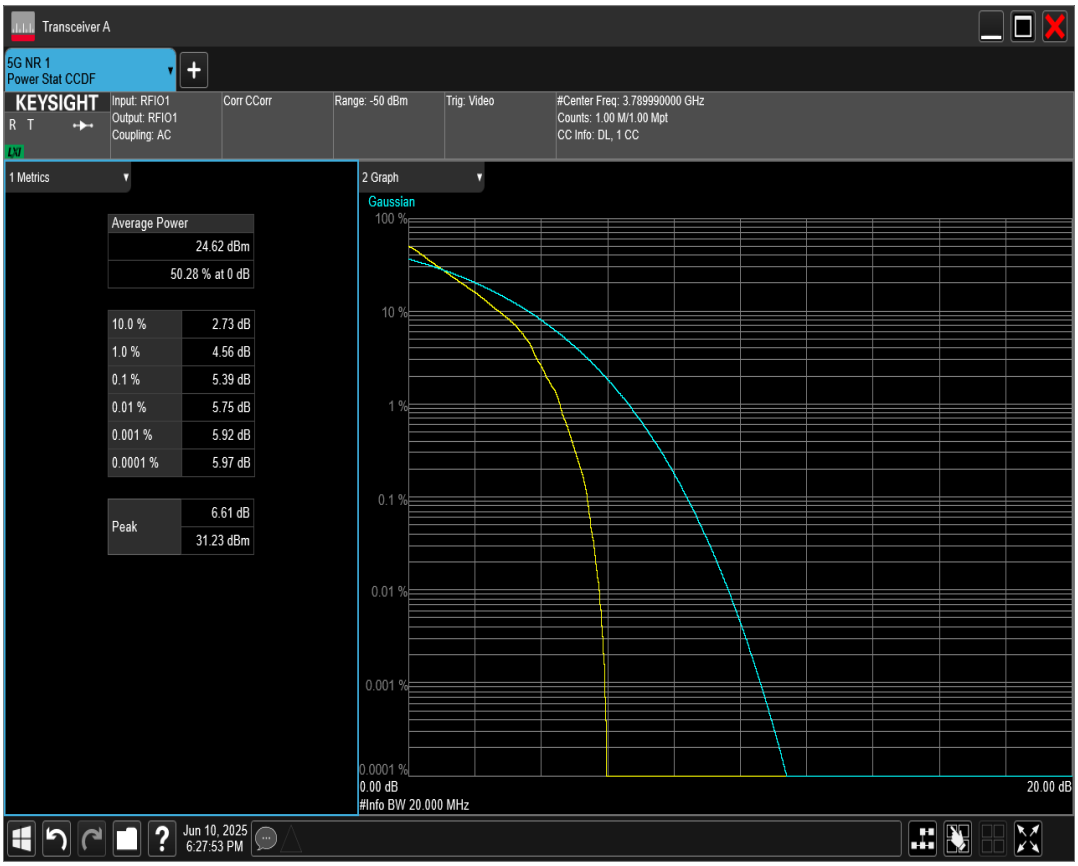
n78(3700-3800) SCS=30kHz DFT_QPSK BW=30MHz Channel=650000 RB=75@0



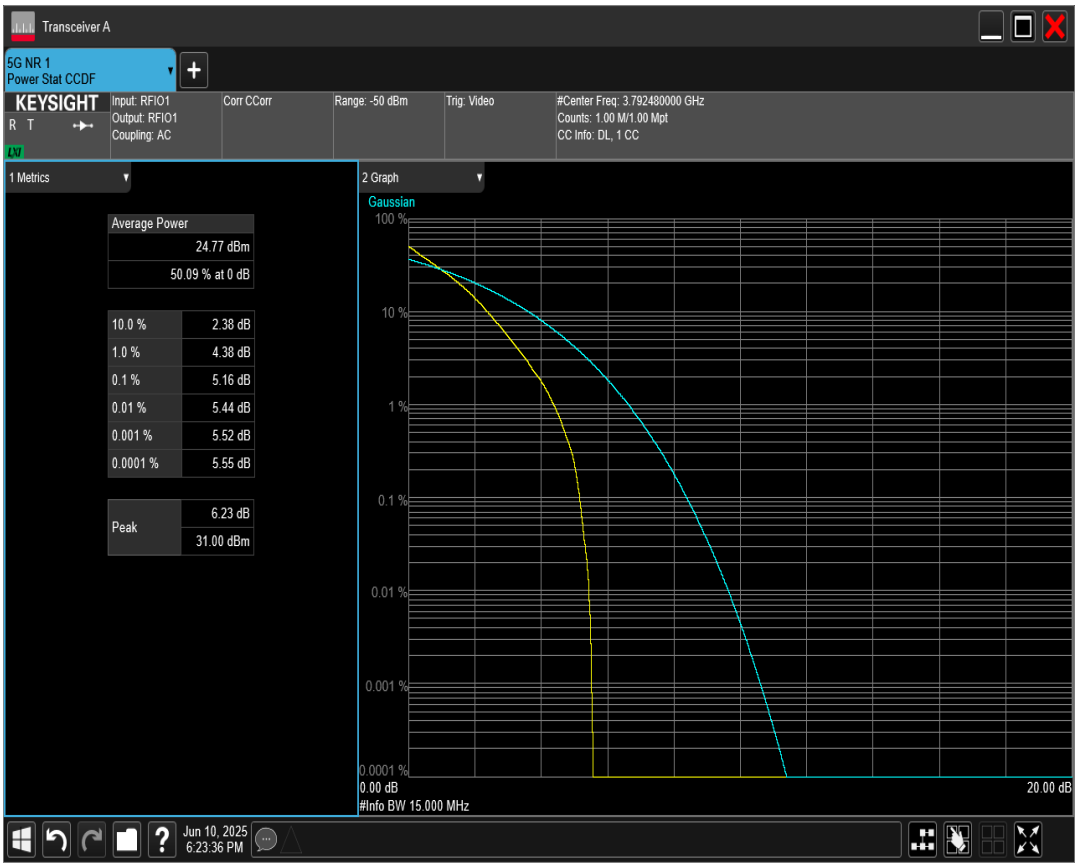
n78(3700-3800) SCS=30kHz DFT_QPSK BW=30MHz Channel=652332 RB=75@0



n78(3700-3800) SCS=30kHz DFT_QPSK BW=20MHz Channel=652666 RB=50@0



n78(3700-3800) SCS=30kHz DFT_QPSK BW=15MHz Channel=652832 RB=36@0



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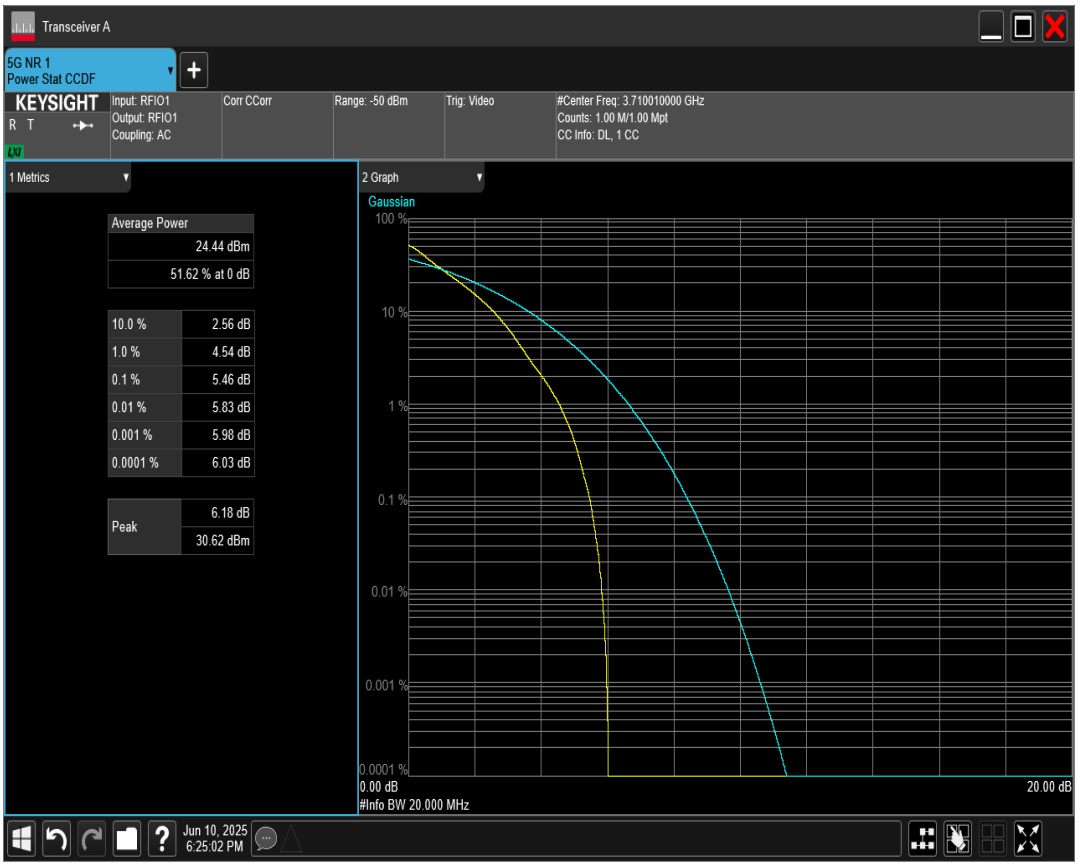
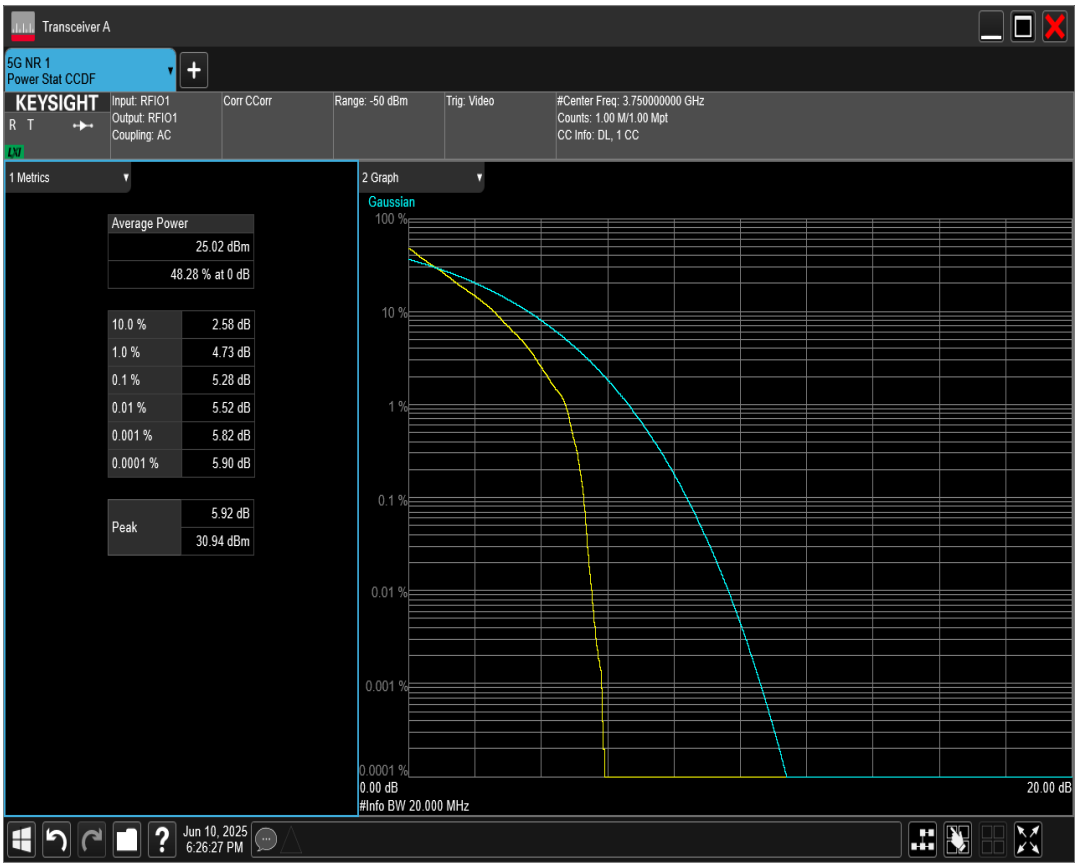
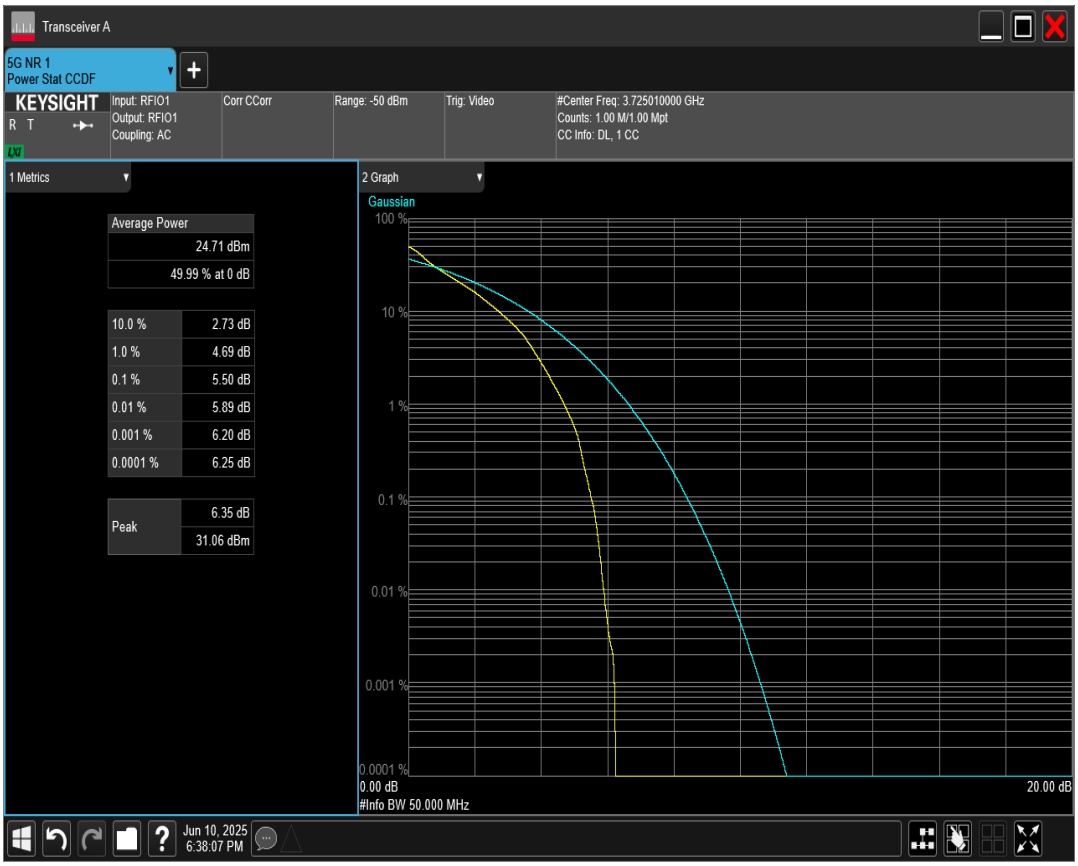


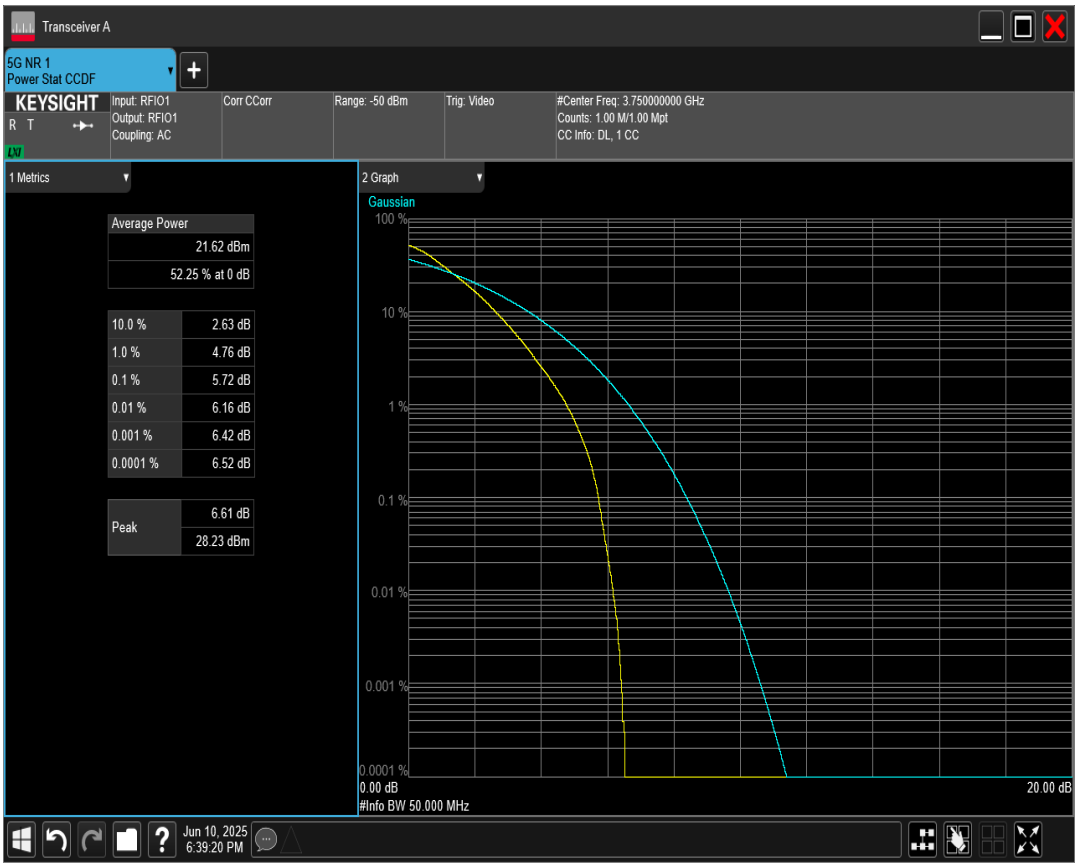
n78(3700-3800) SCS=30kHz DFT_QPSK BW=20MHz Channel=650000 RB=50@0



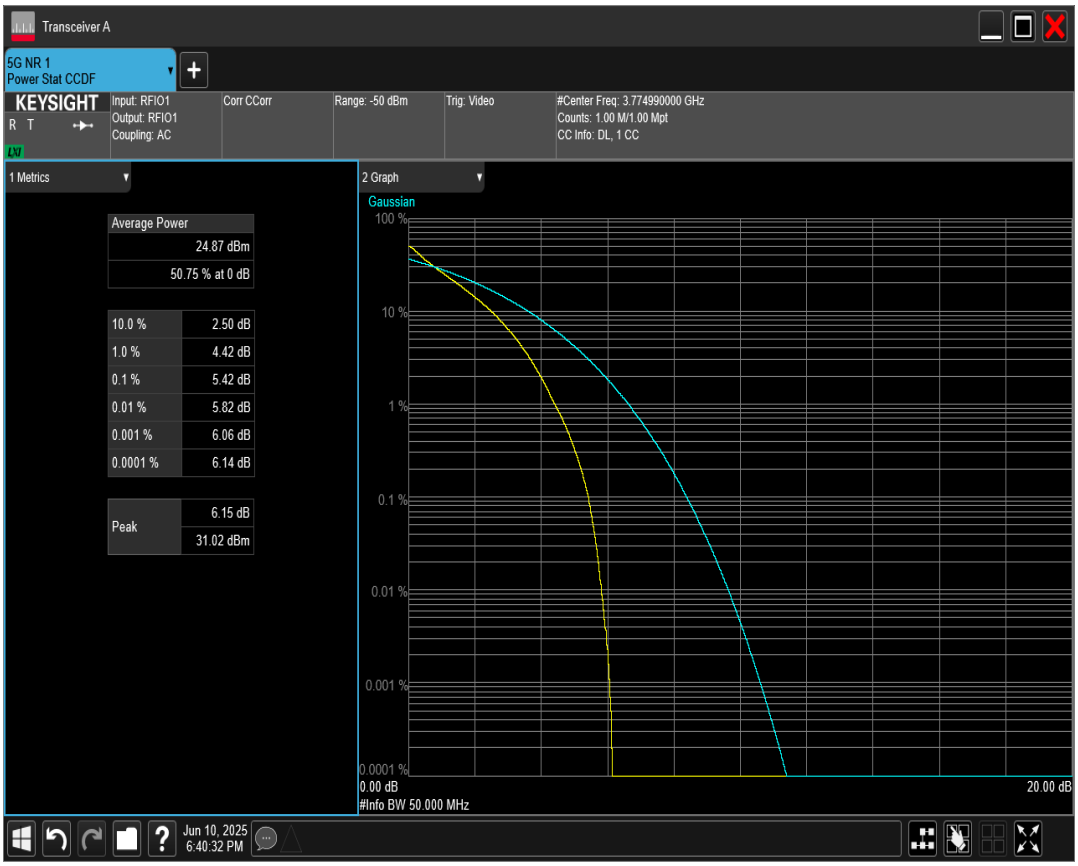
n78(3700-3800) SCS=30kHz DFT_QPSK BW=50MHz Channel=648334 RB=128@0



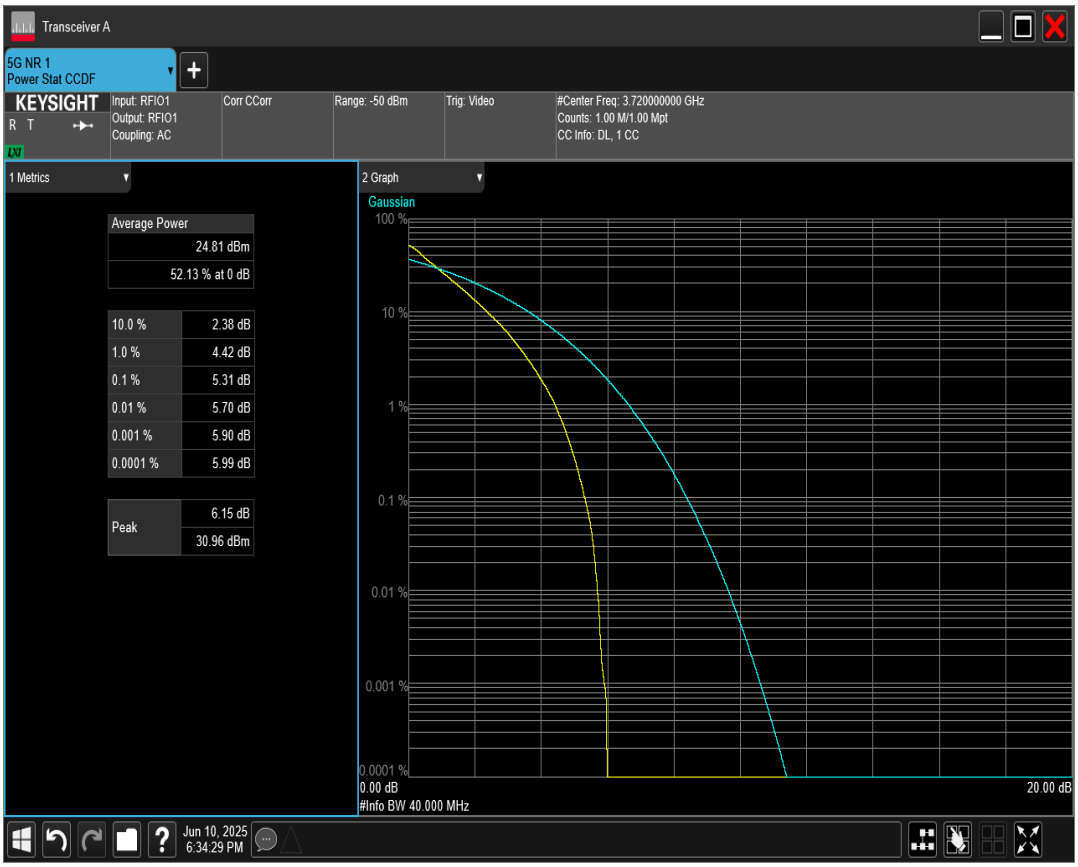
n78(3700-3800) SCS=30kHz DFT_QPSK BW=50MHz Channel=650000 RB=128@0



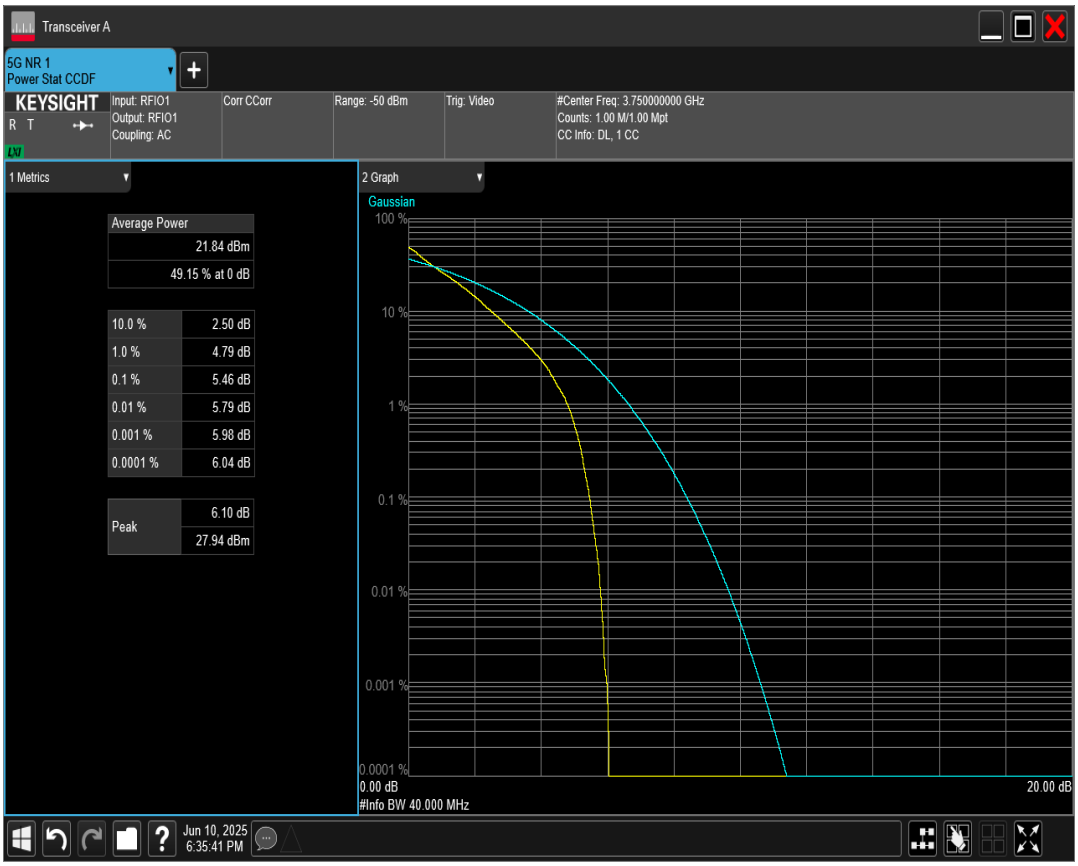
n78(3700-3800) SCS=30kHz DFT_QPSK BW=50MHz Channel=651666 RB=128@0



n78(3700-3800) SCS=30kHz DFT_QPSK BW=40MHz Channel=648000 RB=100@0



n78(3700-3800) SCS=30kHz DFT_QPSK BW=40MHz Channel=650000 RB=100@0



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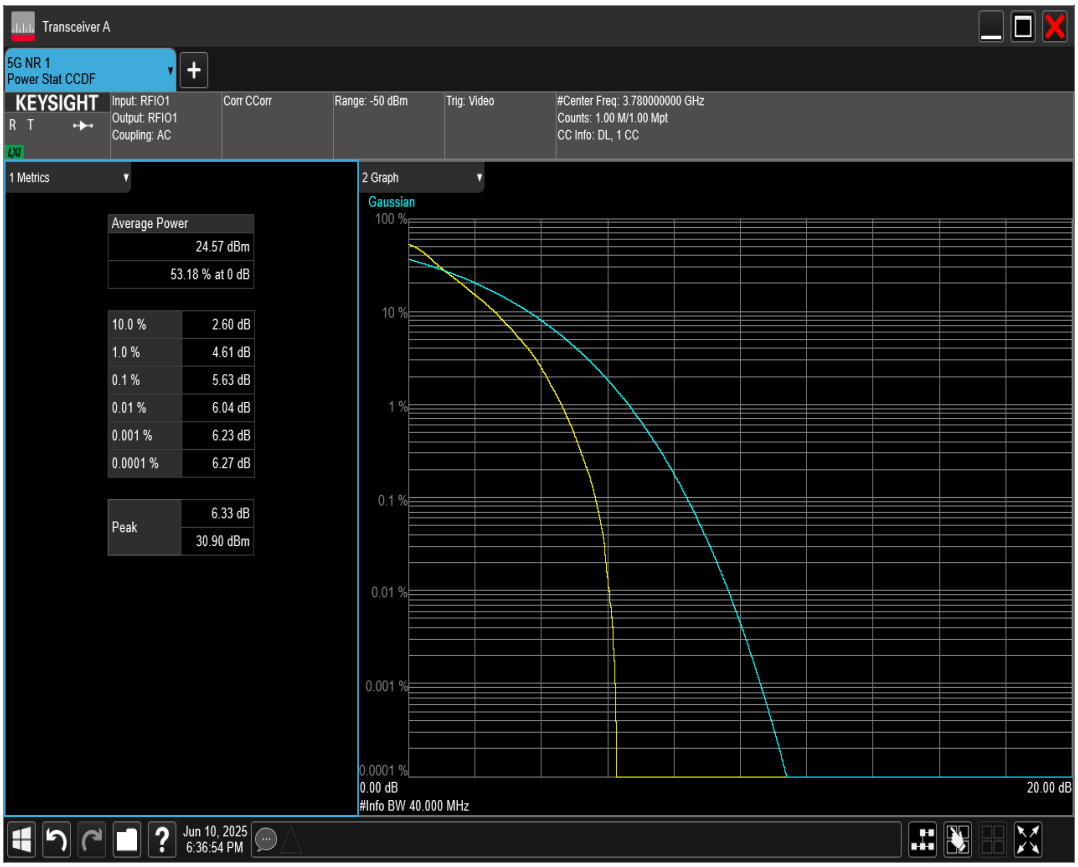
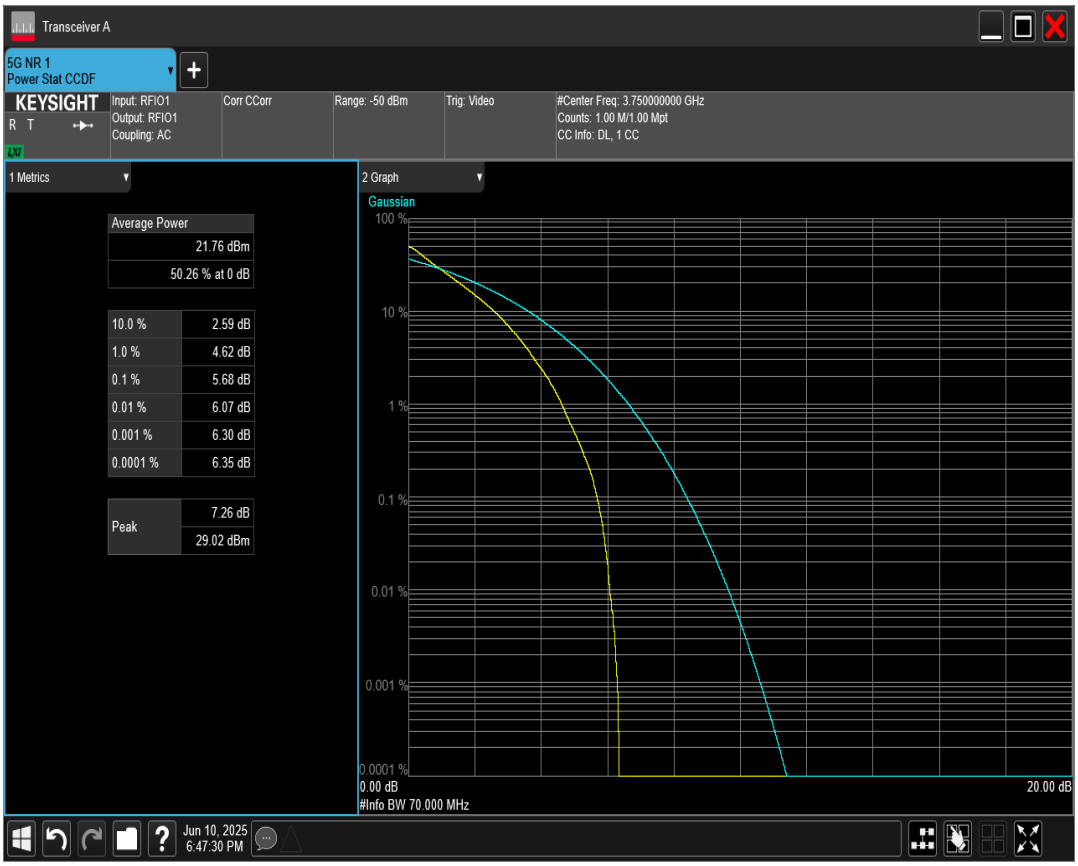
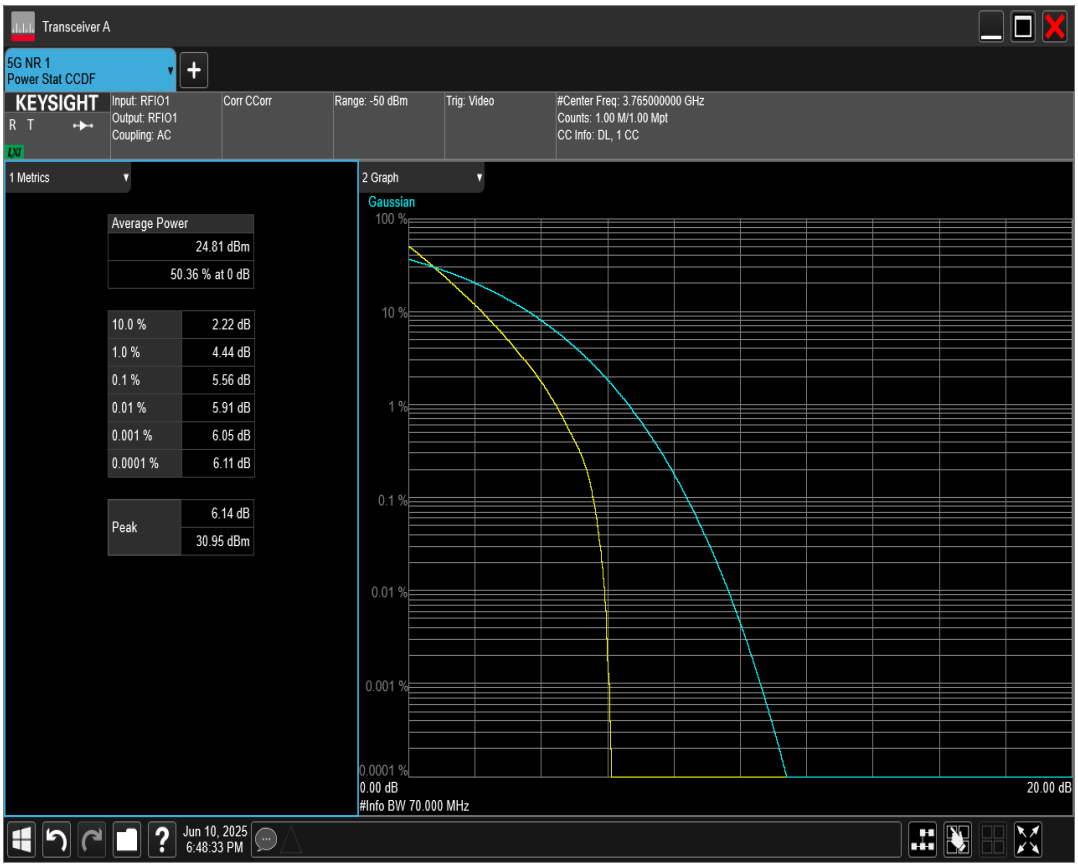


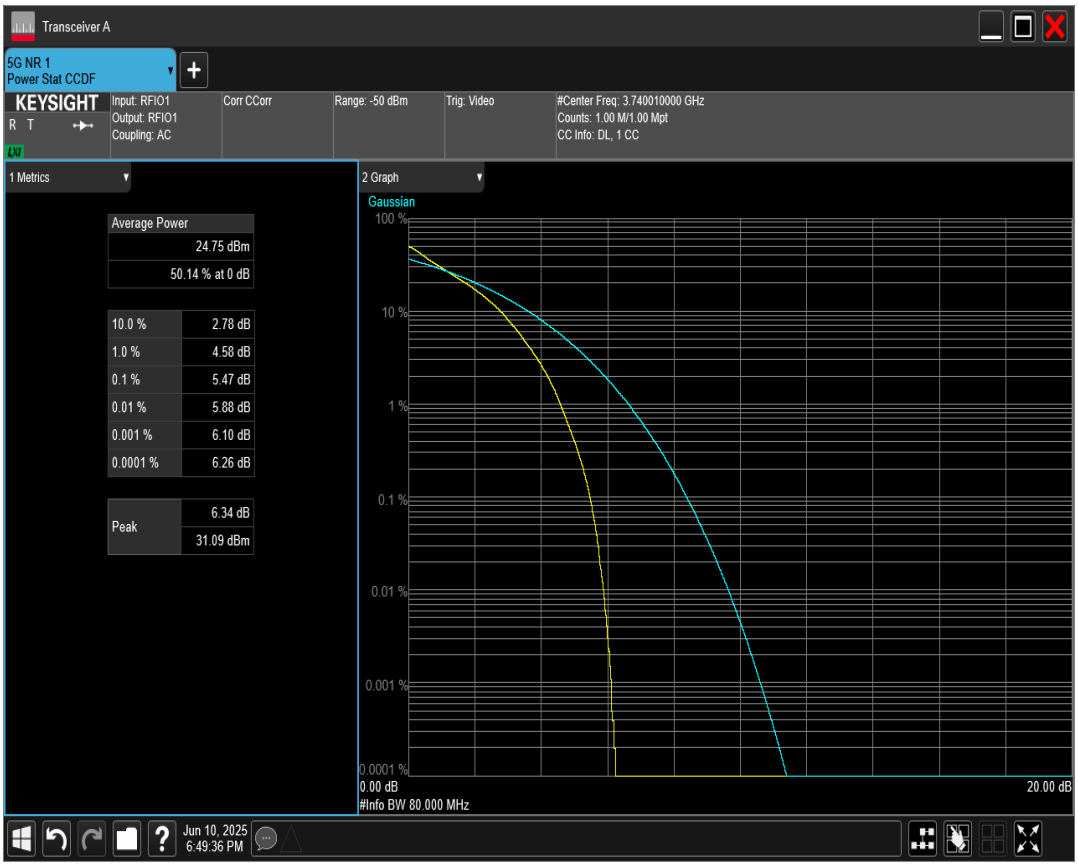
n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=650000 RB=180@0



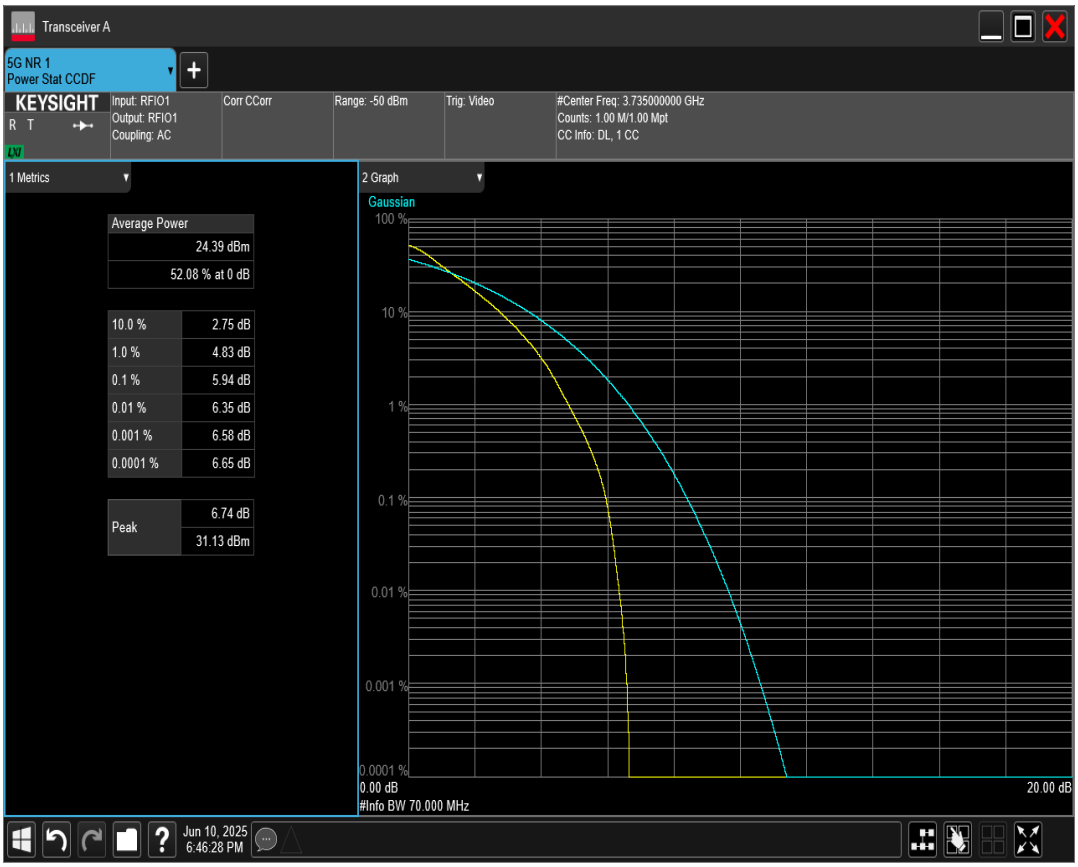
n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=651000 RB=180@0



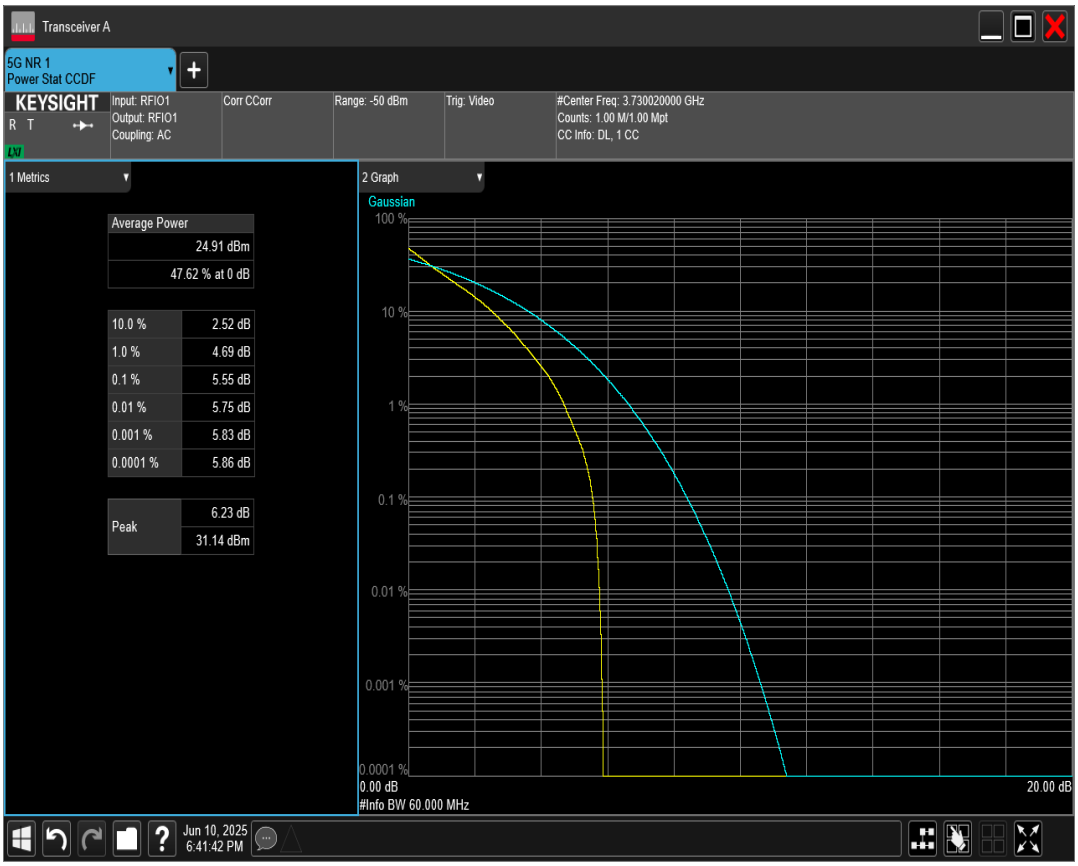
n78(3700-3800) SCS=30kHz DFT_QPSK BW=80MHz Channel=649334 RB=216@0



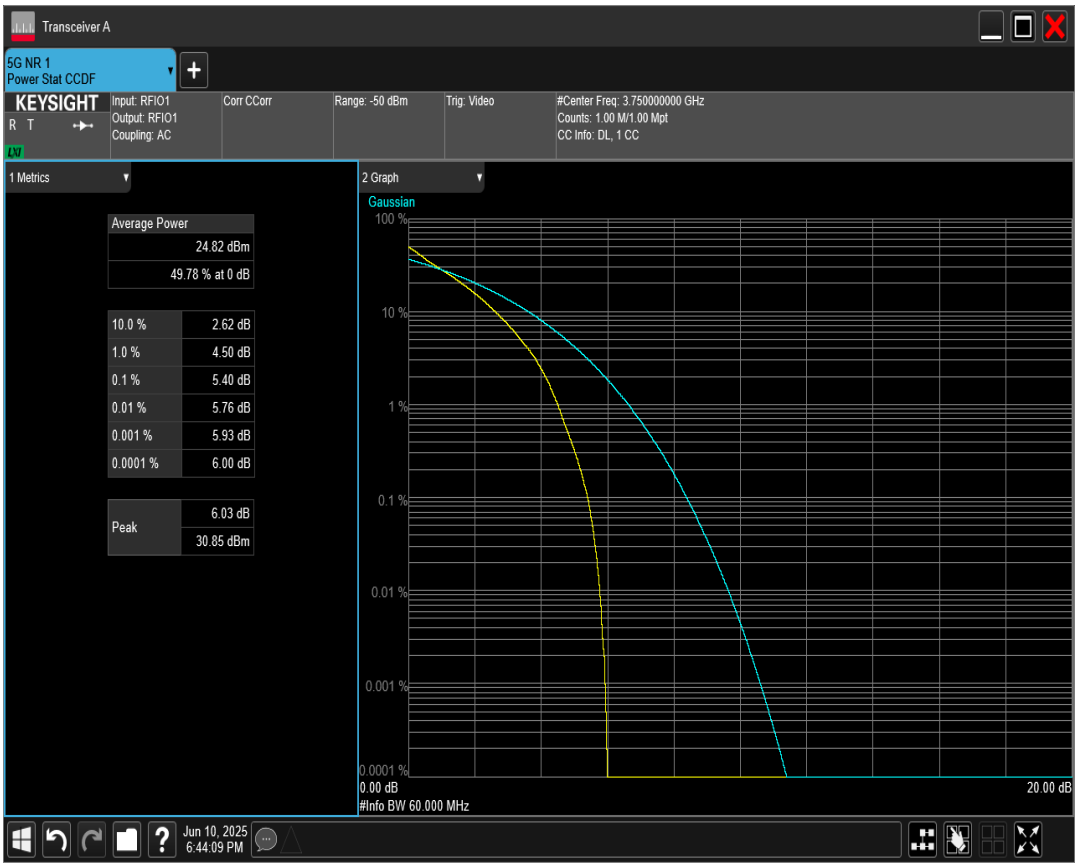
n78(3700-3800) SCS=30kHz DFT_QPSK BW=70MHz Channel=649000 RB=180@0



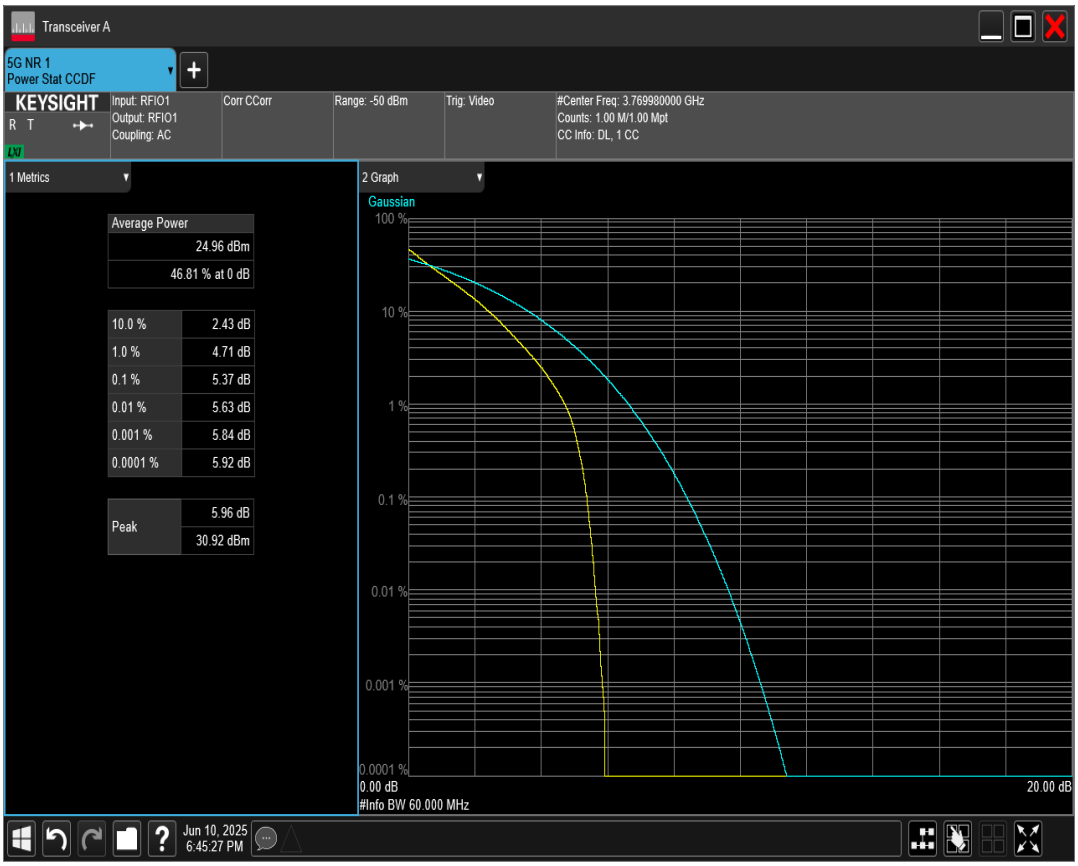
n78(3700-3800) SCS=30kHz DFT_QPSK BW=60MHz Channel=648668 RB=162@0



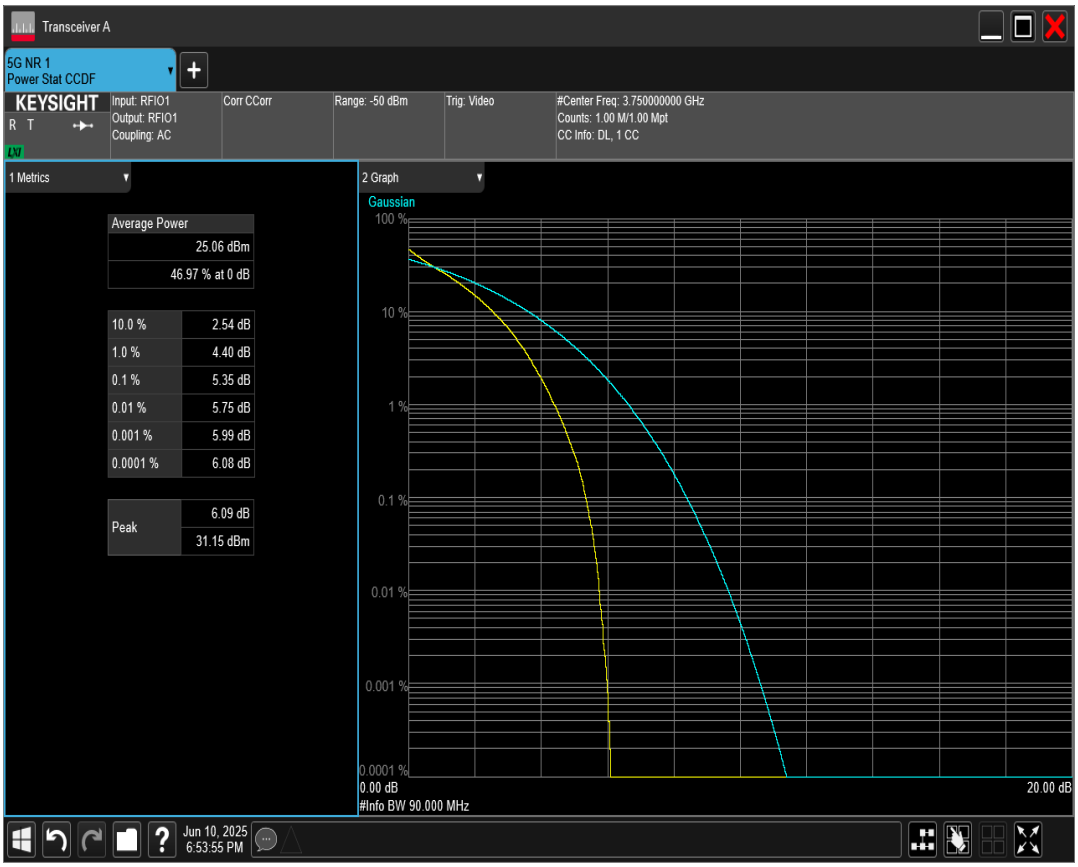
n78(3700-3800) SCS=30kHz DFT_QPSK BW=60MHz Channel=650000 RB=162@0



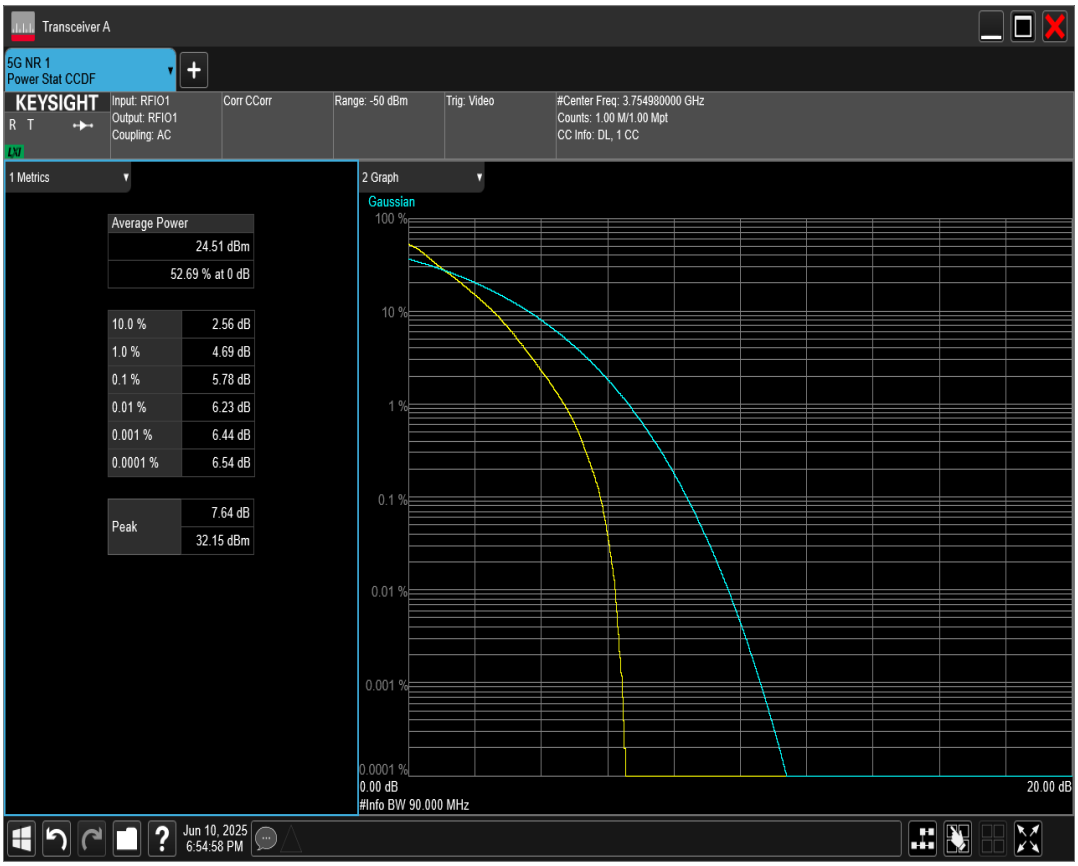
n78(3700-3800) SCS=30kHz DFT_QPSK BW=60MHz Channel=651332 RB=162@0



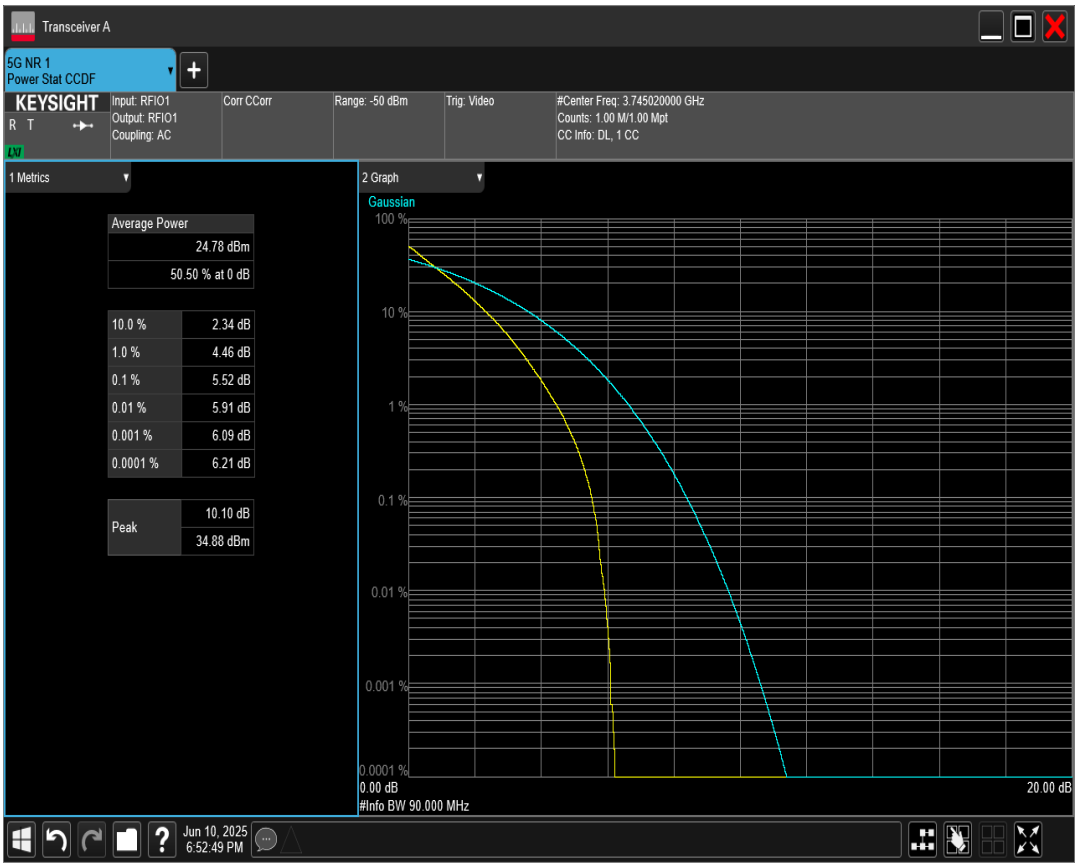
n78(3700-3800) SCS=30kHz DFT_QPSK BW=90MHz Channel=650000 RB=240@0



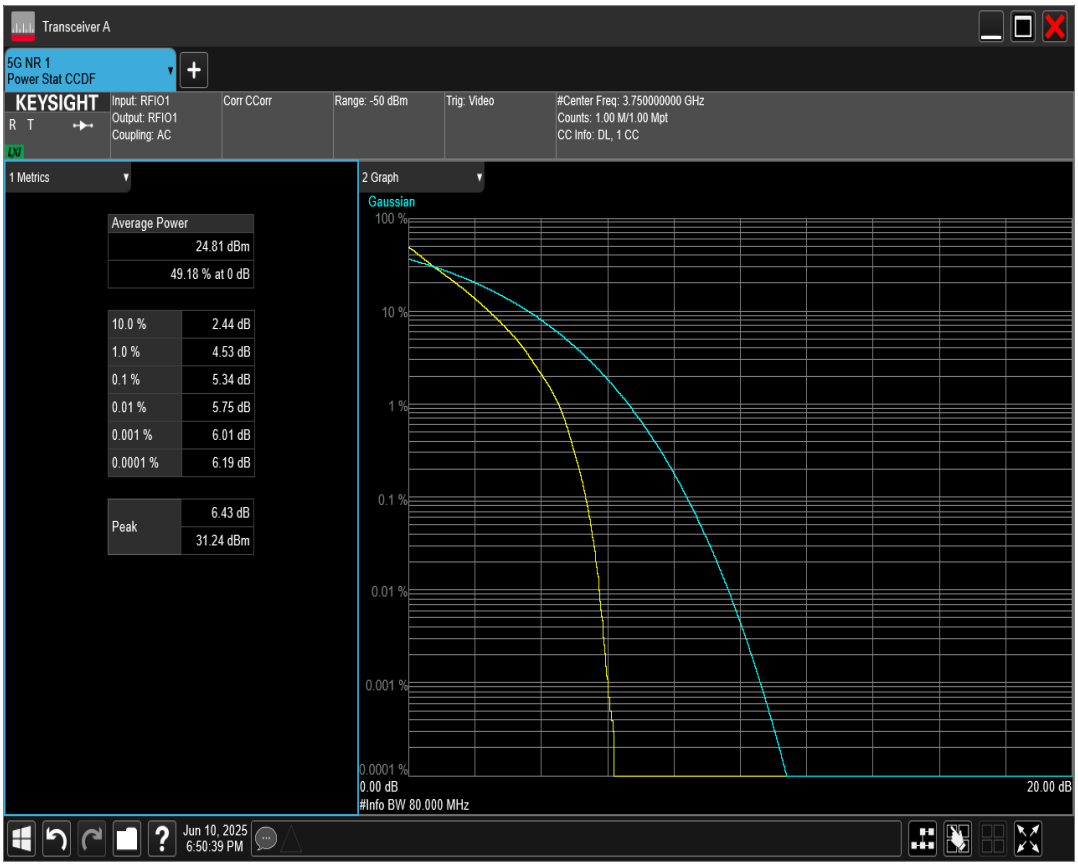
n78(3700-3800) SCS=30kHz DFT_QPSK BW=90MHz Channel=650332 RB=240@0



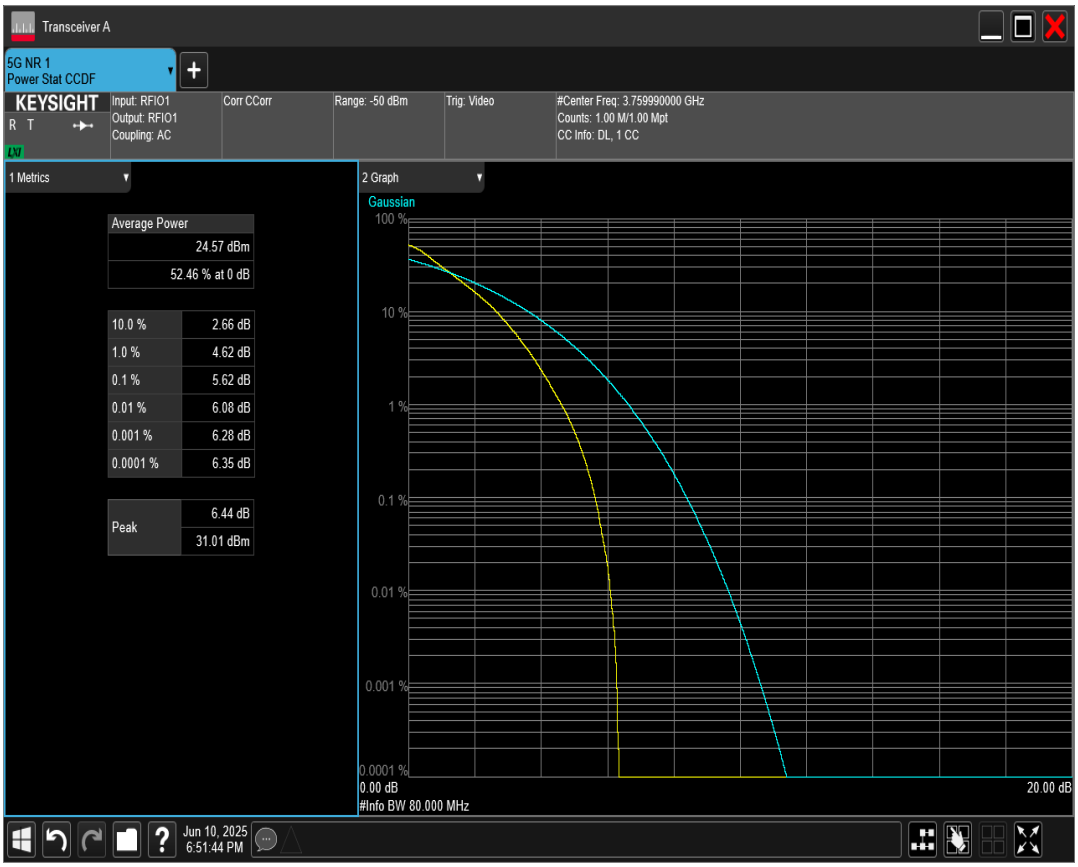
n78(3700-3800) SCS=30kHz DFT_QPSK BW=90MHz Channel=649668 RB=240@0



n78(3700-3800) SCS=30kHz DFT_QPSK BW=80MHz Channel=650000 RB=216@0



n78(3700-3800) SCS=30kHz DFT_QPSK BW=80MHz Channel=650666 RB=216@0


Transceiver A
5G NR 1
Power Stat CCDF
KEYSIGHT
Input: RFIO1
Output: RFIO1
Coupling: AC
Corr CCorr
Range: -50 dBm
Trig: Video
#Center Freq: 3.759990000 GHz
Counts: 1.00 M/1.00 Mpt
CC Info: DL, 1 CC
1 Metrics
Average Power
24.57 dBm
52.46 % at 0 dB
10.0 % 2.66 dB
1.0 % 4.62 dB
0.1 % 5.62 dB
0.01 % 6.08 dB
0.001 % 6.28 dB
0.0001 % 6.35 dB
Peak 6.44 dB
31.01 dBm
2 Graph
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.00 dB
20.00 dB
#Info BW 80.000 MHz
Jun 10, 2025
6:51:44 PM

4 Occupied bandwidth for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n78(3700-3800)	30	10	650000	24@0	DFT_BPSK	8.550	8.890	PASS
n78(3700-3800)	30	10	650000	24@0	DFT_QPSK	8.580	9.000	PASS
n78(3700-3800)	30	10	650000	24@0	DFT_QAM16	8.560	8.980	PASS
n78(3700-3800)	30	10	650000	24@0	DFT_QAM64	8.550	8.950	PASS
n78(3700-3800)	30	10	650000	24@0	DFT_QAM256	8.550	8.920	PASS
n78(3700-3800)	30	15	650000	36@0	DFT_BPSK	13.460	13.230	PASS
n78(3700-3800)	30	15	650000	36@0	DFT_QPSK	13.450	13.300	PASS
n78(3700-3800)	30	15	650000	36@0	DFT_QAM16	13.480	13.270	PASS
n78(3700-3800)	30	15	650000	36@0	DFT_QAM64	13.410	13.300	PASS
n78(3700-3800)	30	15	650000	36@0	DFT_QAM256	13.510	13.220	PASS
n78(3700-3800)	30	20	650000	50@0	DFT_BPSK	17.980	18.320	PASS
n78(3700-3800)	30	20	650000	50@0	DFT_QPSK	18.010	18.340	PASS
n78(3700-3800)	30	20	650000	50@0	DFT_QAM16	18.030	18.290	PASS
n78(3700-3800)	30	20	650000	50@0	DFT_QAM64	17.980	18.260	PASS
n78(3700-3800)	30	20	650000	50@0	DFT_QAM256	17.960	18.260	PASS
n78(3700-3800)	30	30	650000	75@0	DFT_BPSK	27.660	27.270	PASS
n78(3700-3800)	30	30	650000	75@0	DFT_QPSK	27.530	27.490	PASS
n78(3700-3800)	30	30	650000	75@0	DFT_QAM16	27.570	27.310	PASS
n78(3700-3800)	30	30	650000	75@0	DFT_QAM64	27.480	27.380	PASS
n78(3700-3800)	30	30	650000	75@0	DFT_QAM256	27.520	27.380	PASS
n78(3700-3800)	30	40	650000	100@0	DFT_BPSK	37.560	36.320	PASS
n78(3700-3800)	30	40	650000	100@0	DFT_QPSK	37.550	36.280	PASS
n78(3700-3800)	30	40	650000	100@0	DFT_QAM16	37.450	36.410	PASS
n78(3700-3800)	30	40	650000	100@0	DFT_QAM64	37.500	36.450	PASS
n78(3700-3800)	30	40	650000	100@0	DFT_QAM256	37.500	36.370	PASS
n78(3700-3800)	30	50	650000	128@0	DFT_BPSK	46.960	46.440	PASS
n78(3700-3800)	30	50	650000	128@0	DFT_QPSK	46.960	46.420	PASS
n78(3700-3800)	30	50	650000	128@0	DFT_QAM16	46.890	46.430	PASS
n78(3700-3800)	30	50	650000	128@0	DFT_QAM64	47.010	46.380	PASS
n78(3700-3800)	30	50	650000	128@0	DFT_QAM256	47.020	46.390	PASS
n78(3700-3800)	30	60	650000	162@0	DFT_BPSK	57.710	58.580	PASS
n78(3700-3800)	30	60	650000	162@0	DFT_QPSK	57.760	58.570	PASS
n78(3700-3800)	30	60	650000	162@0	DFT_QAM16	57.680	58.640	PASS
n78(3700-3800)	30	60	650000	162@0	DFT_QAM64	57.720	58.570	PASS
n78(3700-3800)	30	60	650000	162@0	DFT_QAM256	57.780	58.680	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_BPSK	66.500	65.090	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_QPSK	66.770	65.100	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_QAM16	66.680	65.100	PASS
n78(3700-3800)	30	70	650000	180@0	DFT_QAM64	66.740	65.000	PASS

n78(3700-3800)	30	70	650000	180@0	DFT_QAM256	66.590	65.090	PASS
n78(3700-3800)	30	80	650000	216@0	DFT_BPSK	76.930	78.190	PASS
n78(3700-3800)	30	80	650000	216@0	DFT_QPSK	76.910	78.160	PASS
n78(3700-3800)	30	80	650000	216@0	DFT_QAM16	76.920	78.010	PASS
n78(3700-3800)	30	80	650000	216@0	DFT_QAM64	76.920	77.990	PASS
n78(3700-3800)	30	80	650000	216@0	DFT_QAM256	76.950	78.050	PASS
n78(3700-3800)	30	90	650000	240@0	DFT_BPSK	86.430	86.730	PASS
n78(3700-3800)	30	90	650000	240@0	DFT_QPSK	86.310	86.670	PASS
n78(3700-3800)	30	90	650000	240@0	DFT_QAM16	86.320	86.650	PASS
n78(3700-3800)	30	90	650000	240@0	DFT_QAM64	86.320	86.670	PASS
n78(3700-3800)	30	90	650000	240@0	DFT_QAM256	86.550	86.690	PASS
n78(3700-3800)	30	100	650000	270@0	DFT_BPSK	96.190	97.550	PASS
n78(3700-3800)	30	100	650000	270@0	DFT_QPSK	96.190	97.670	PASS
n78(3700-3800)	30	100	650000	270@0	DFT_QAM16	96.180	97.560	PASS
n78(3700-3800)	30	100	650000	270@0	DFT_QAM64	96.140	97.600	PASS
n78(3700-3800)	30	100	650000	270@0	DFT_QAM256	96.200	97.520	PASS

n78(3700-3800) SCS=30kHz DFT_BPSK BW=100MHz Channel=650000 RB=270@0

n78(3700-3800) SCS=30kHz DFT_BPSK BW=10MHz Channel=650000 RB=24@0

n78(3700-3800) SCS=30kHz DFT_BPSK BW=15MHz Channel=650000 RB=36@0

n78(3700-3800) SCS=30kHz DFT_BPSK BW=20MHz Channel=650000 RB=50@0

n78(3700-3800) SCS=30kHz DFT_BPSK BW=30MHz Channel=650000 RB=75@0

n78(3700-3800) SCS=30kHz DFT_BPSK BW=50MHz Channel=650000 RB=128@0

n78(3700-3800) SCS=30kHz DFT_BPSK BW=40MHz Channel=650000 RB=100@0

n78(3700-3800) SCS=30kHz DFT_BPSK BW=60MHz Channel=650000 RB=162@0

n78(3700-3800) SCS=30kHz DFT_BPSK BW=90MHz Channel=650000 RB=240@0

n78(3700-3800) SCS=30kHz DFT_BPSK BW=80MHz Channel=650000 RB=216@0

n78(3700-3800) SCS=30kHz DFT_BPSK BW=70MHz Channel=650000 RB=180@0

n78(3700-3800) SCS=30kHz DFT_QAM16 BW=10MHz Channel=650000 RB=24@0

n78(3700-3800) SCS=30kHz DFT_QAM16 BW=100MHz Channel=650000 RB=270@0

n78(3700-3800) SCS=30kHz DFT_QAM16 BW=15MHz Channel=650000 RB=36@0

n78(3700-3800) SCS=30kHz DFT_QAM16 BW=40MHz Channel=650000 RB=100@0

n78(3700-3800) SCS=30kHz DFT_QAM16 BW=30MHz Channel=650000 RB=75@0

n78(3700-3800) SCS=30kHz DFT_QAM16 BW=20MHz Channel=650000 RB=50@0

n78(3700-3800) SCS=30kHz DFT_QAM16 BW=60MHz Channel=650000 RB=162@0

n78(3700-3800) SCS=30kHz DFT_QAM16 BW=50MHz Channel=650000 RB=128@0

n78(3700-3800) SCS=30kHz DFT_QAM16 BW=90MHz Channel=650000 RB=240@0

n78(3700-3800) SCS=30kHz DFT_QAM16 BW=80MHz Channel=650000 RB=216@0

n78(3700-3800) SCS=30kHz DFT_QAM16 BW=70MHz Channel=650000 RB=180@0

n78(3700-3800) SCS=30kHz DFT_QAM256 BW=15MHz Channel=650000 RB=36@0

n78(3700-3800) SCS=30kHz DFT_QAM256 BW=20MHz Channel=650000 RB=50@0

n78(3700-3800) SCS=30kHz DFT_QAM256 BW=100MHz Channel=650000 RB=270@0

n78(3700-3800) SCS=30kHz DFT_QAM256 BW=10MHz Channel=650000 RB=24@0

n78(3700-3800) SCS=30kHz DFT_QAM256 BW=50MHz Channel=650000 RB=128@0

n78(3700-3800) SCS=30kHz DFT_QAM256 BW=60MHz Channel=650000 RB=162@0