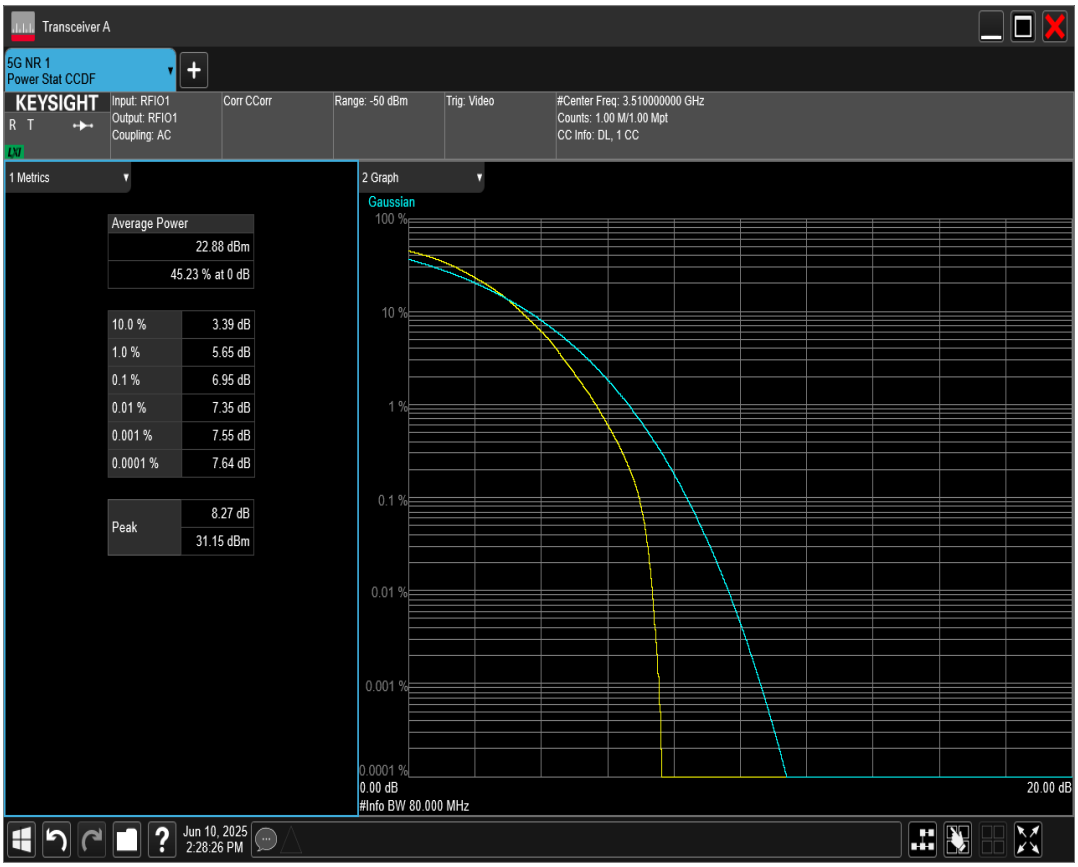
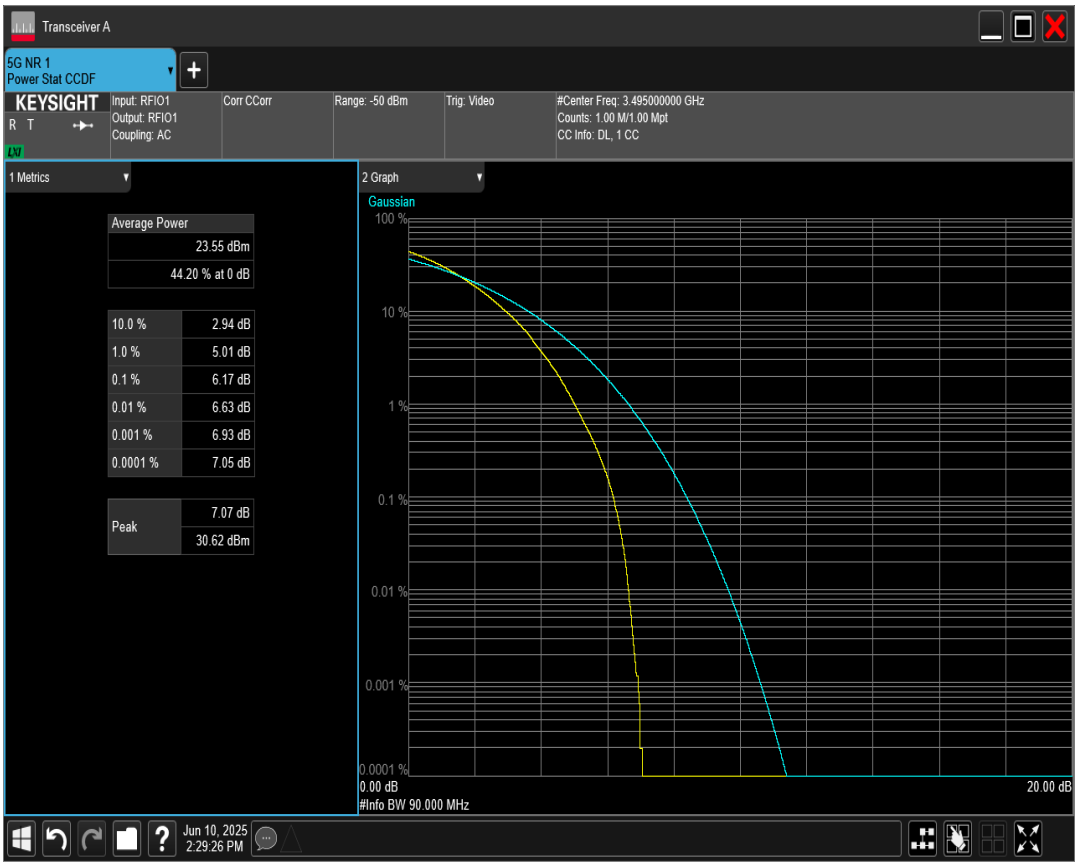
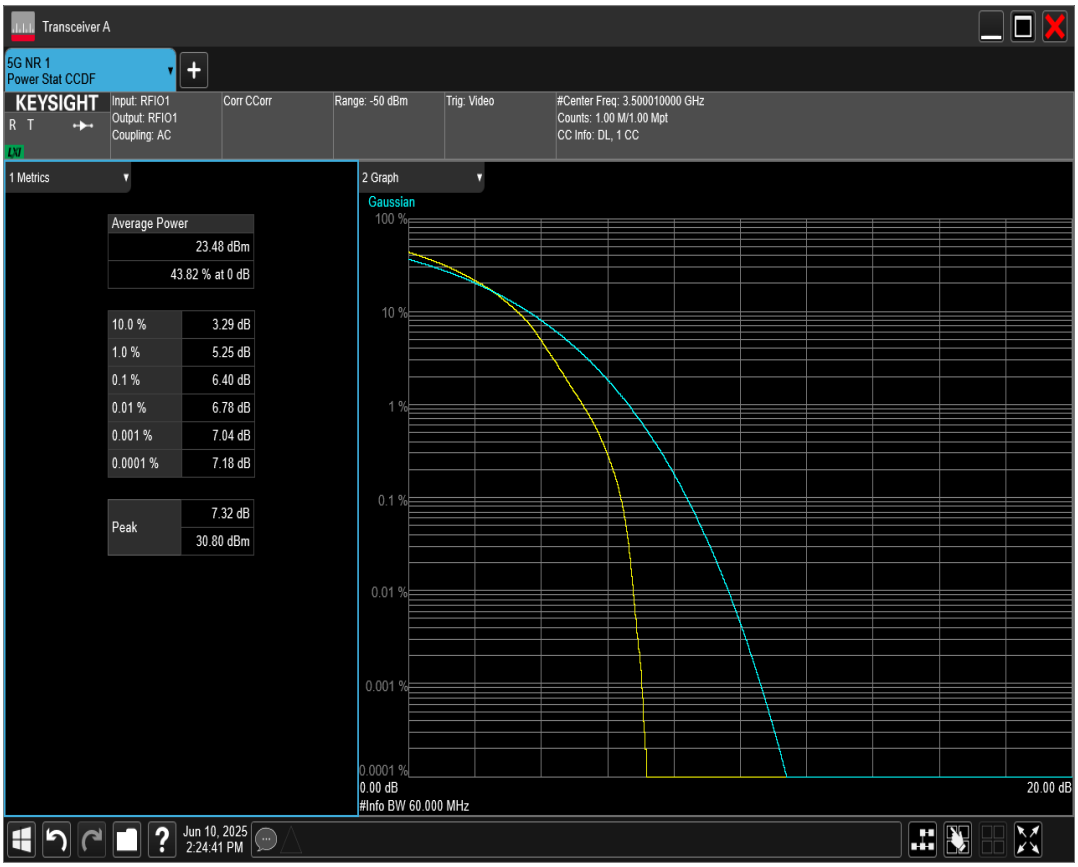


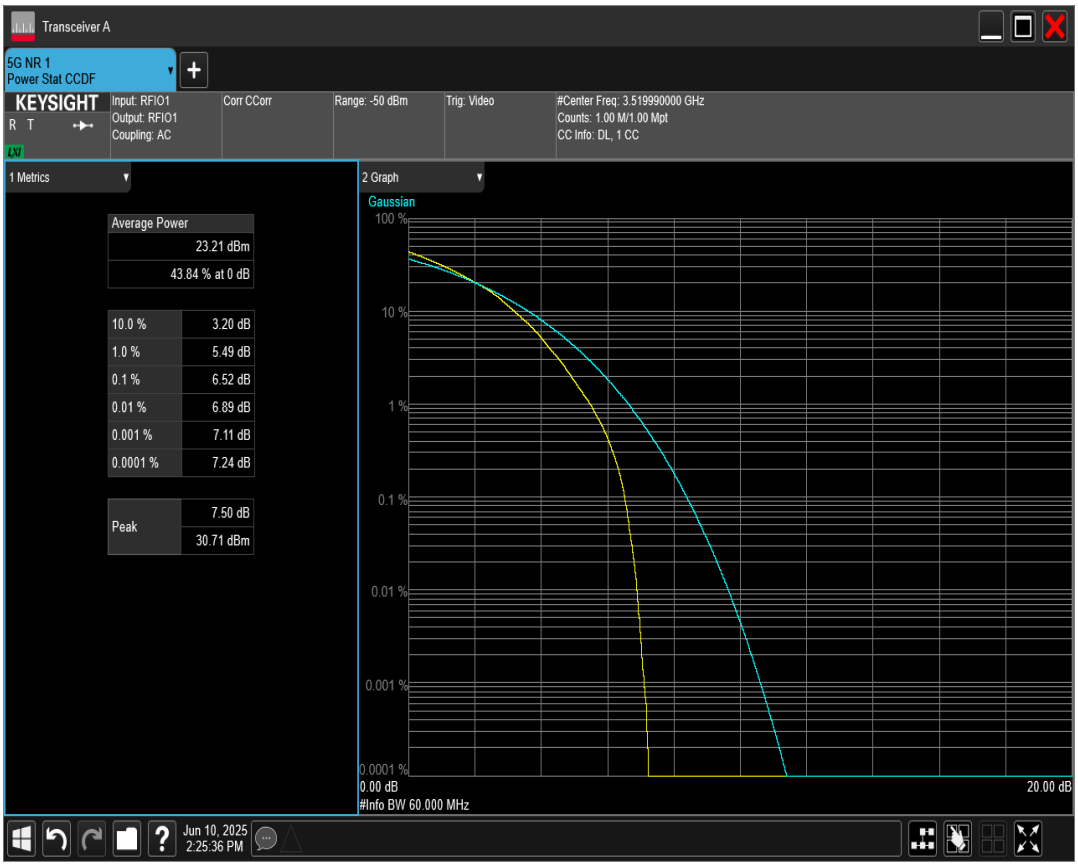
n77(3450-3550) SCS=30kHz DFT_QAM64 BW=90MHz Channel=633000 RB=240@0



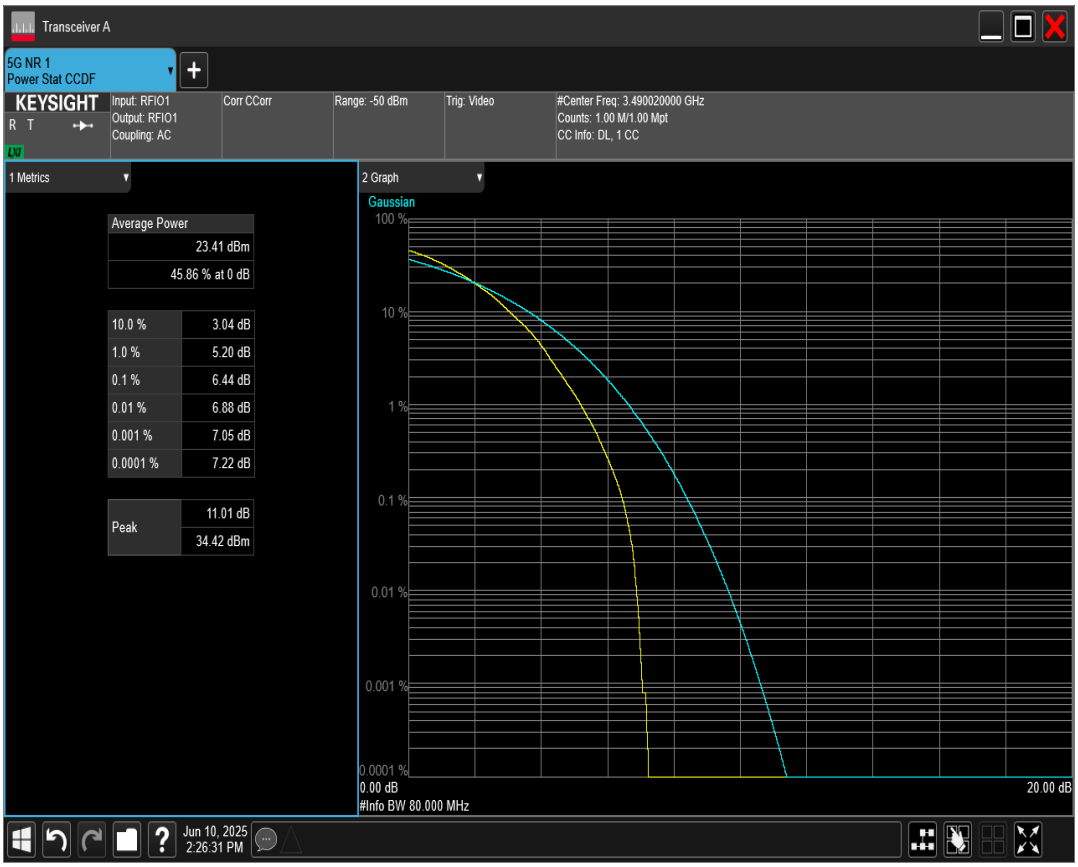
n77(3450-3550) SCS=30kHz DFT_QAM64 BW=60MHz Channel=633334 RB=162@0



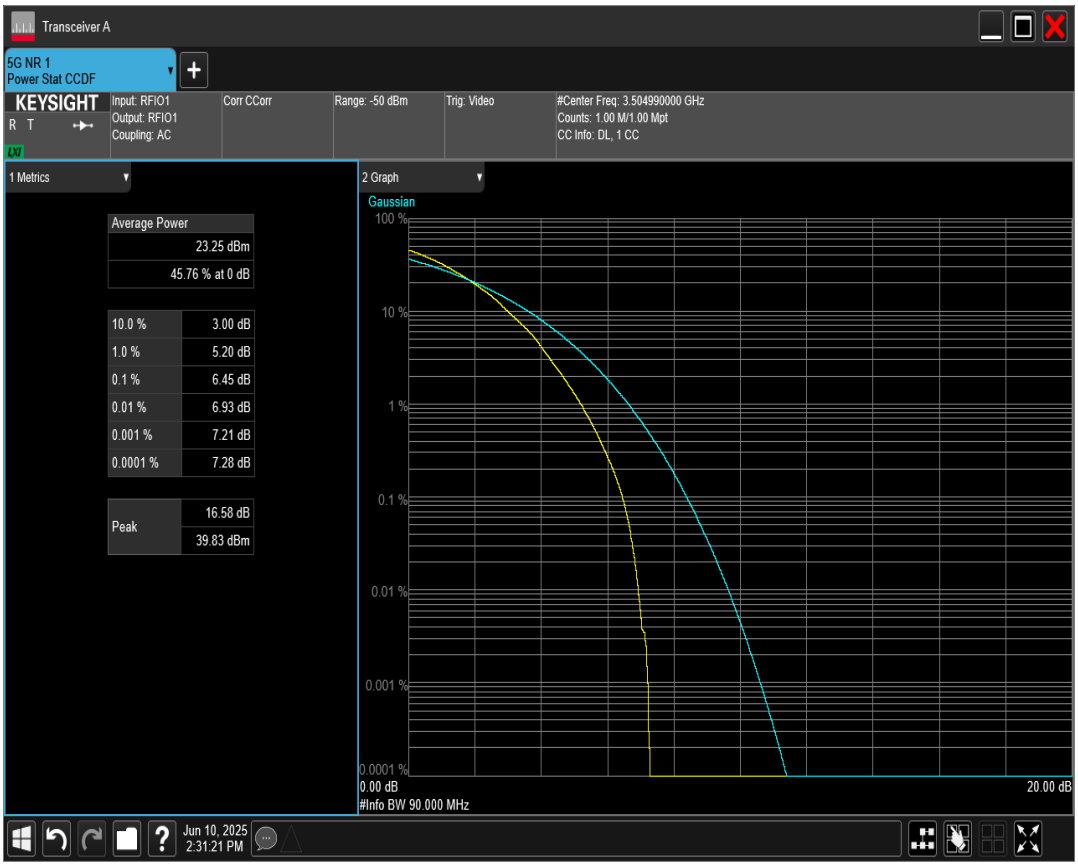
n77(3450-3550) SCS=30kHz DFT_QAM64 BW=60MHz Channel=634666 RB=162@0



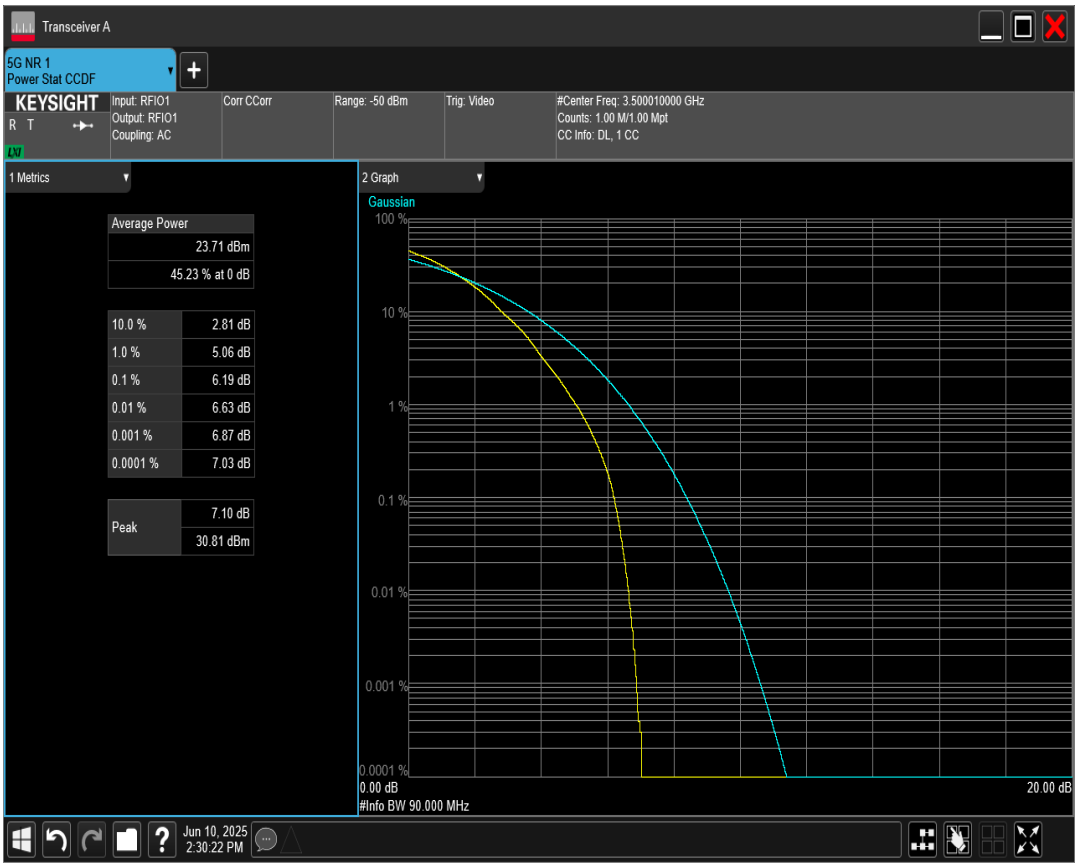
n77(3450-3550) SCS=30kHz DFT_QAM64 BW=80MHz Channel=632668 RB=216@0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=90MHz Channel=633666 RB=240@0



n77(3450-3550) SCS=30kHz DFT_QAM64 BW=90MHz Channel=633334 RB=240@0



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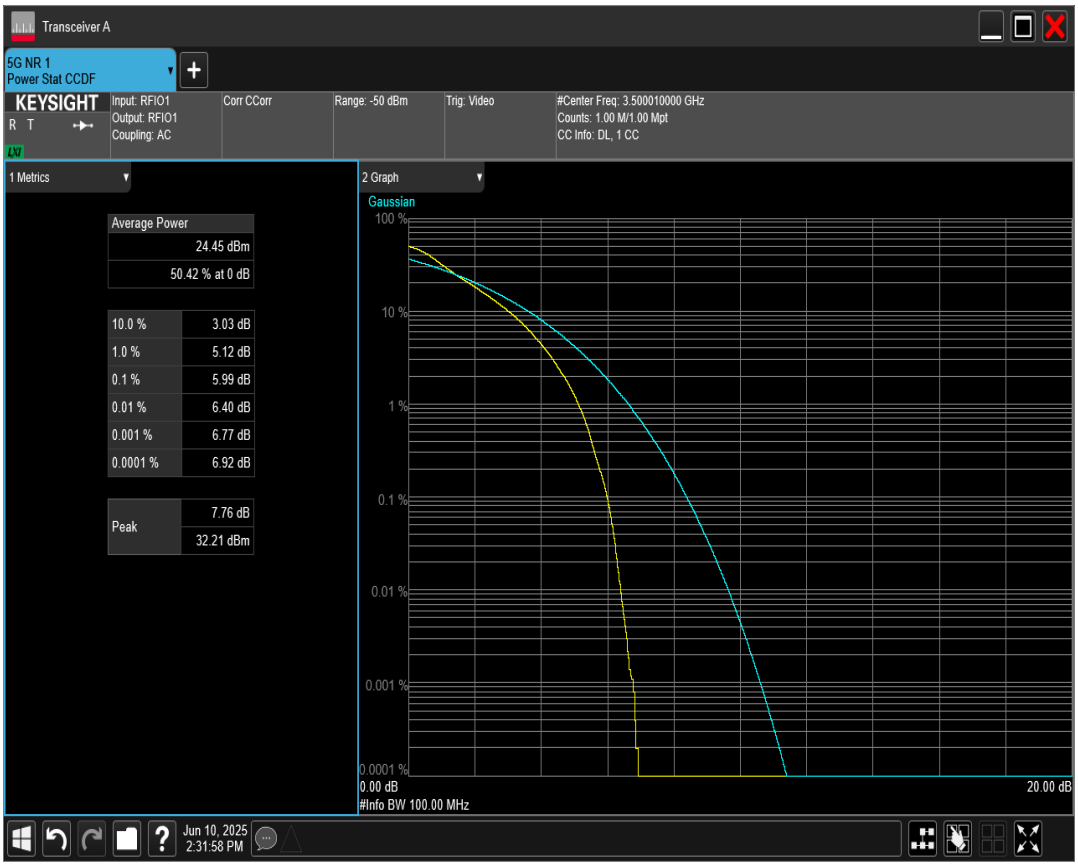
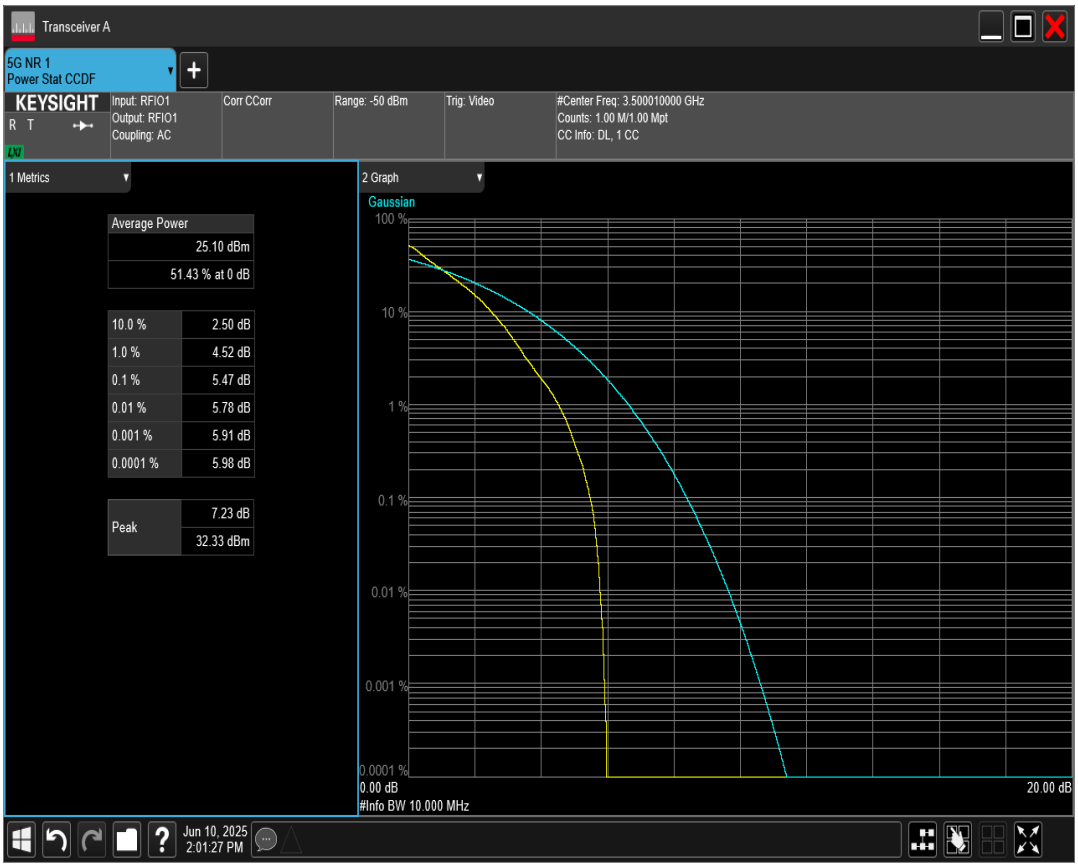
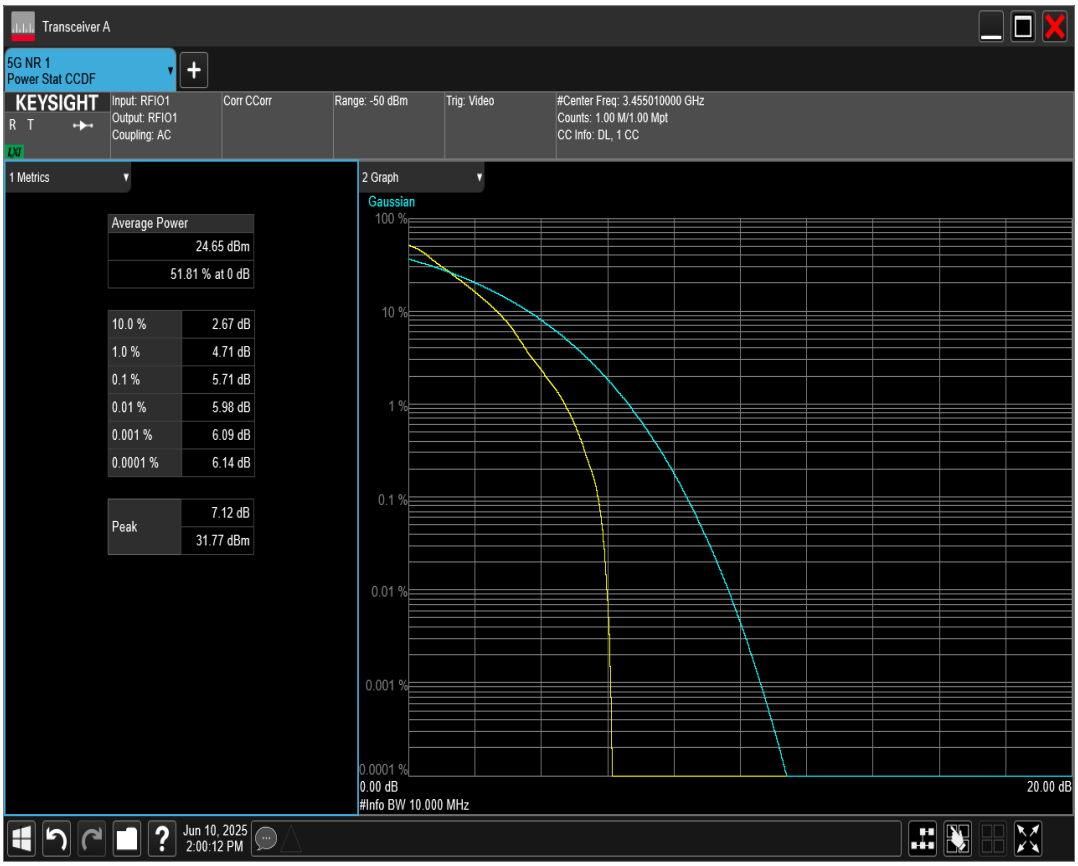


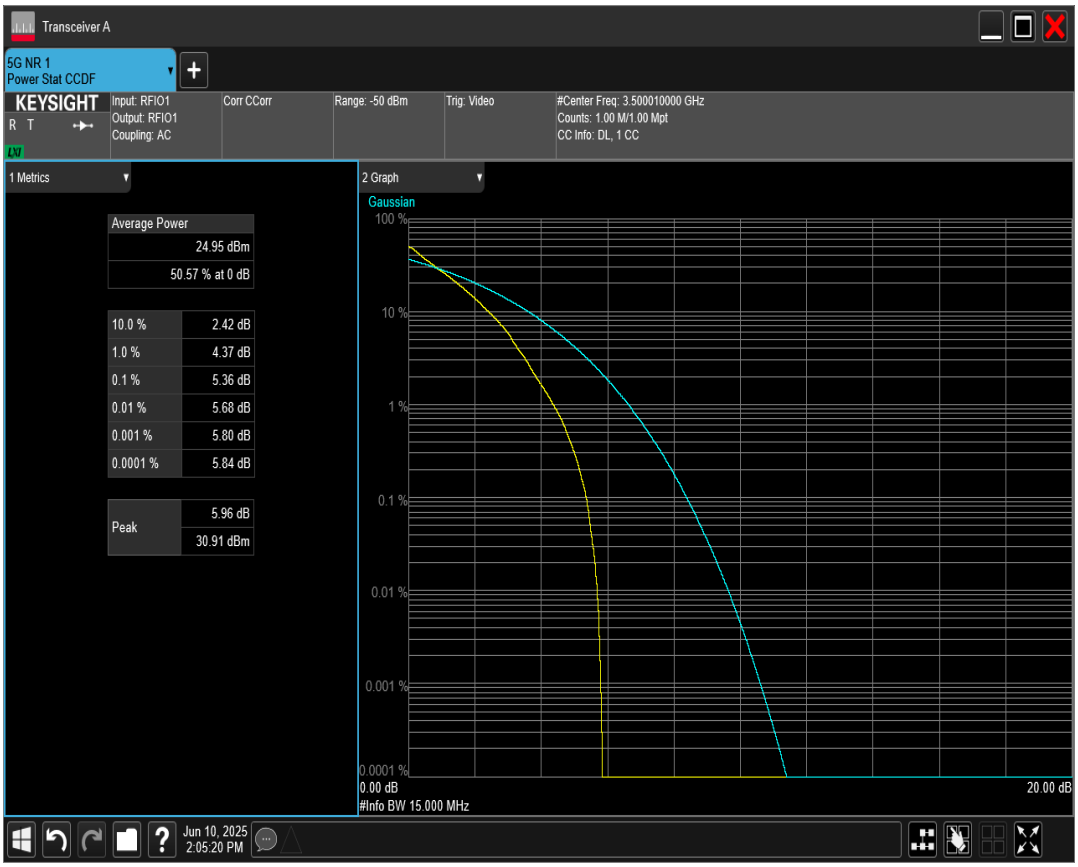
n77(3450-3550) SCS=30kHz DFT_QPSK BW=10MHz Channel=633334 RB=24@0



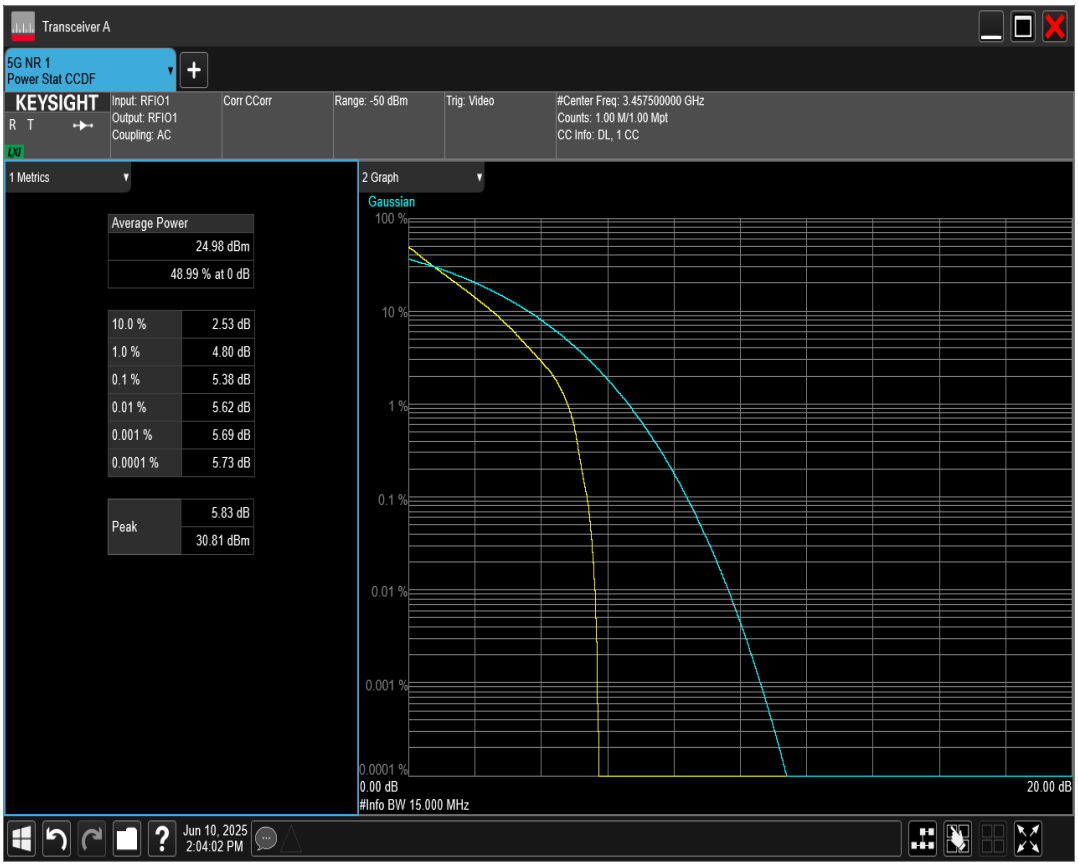
n77(3450-3550) SCS=30kHz DFT_QPSK BW=10MHz Channel=630334 RB=24@0



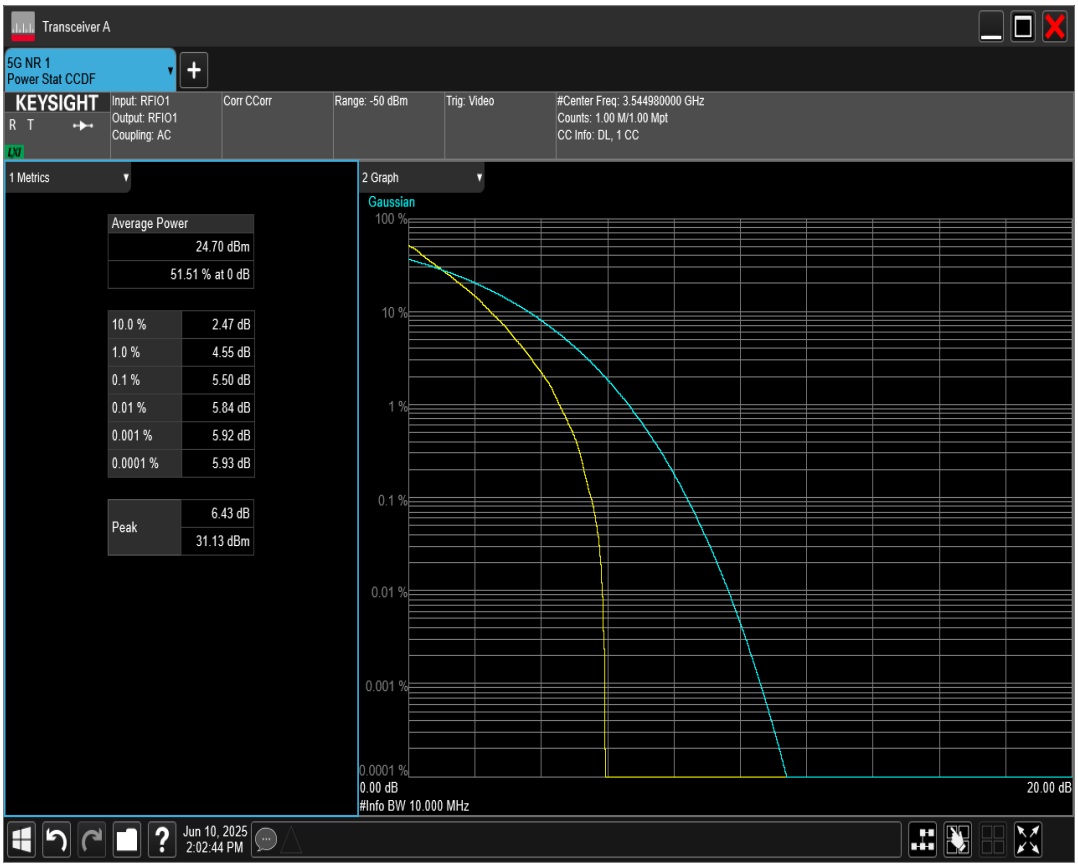
n77(3450-3550) SCS=30kHz DFT_QPSK BW=15MHz Channel=633334 RB=36@0



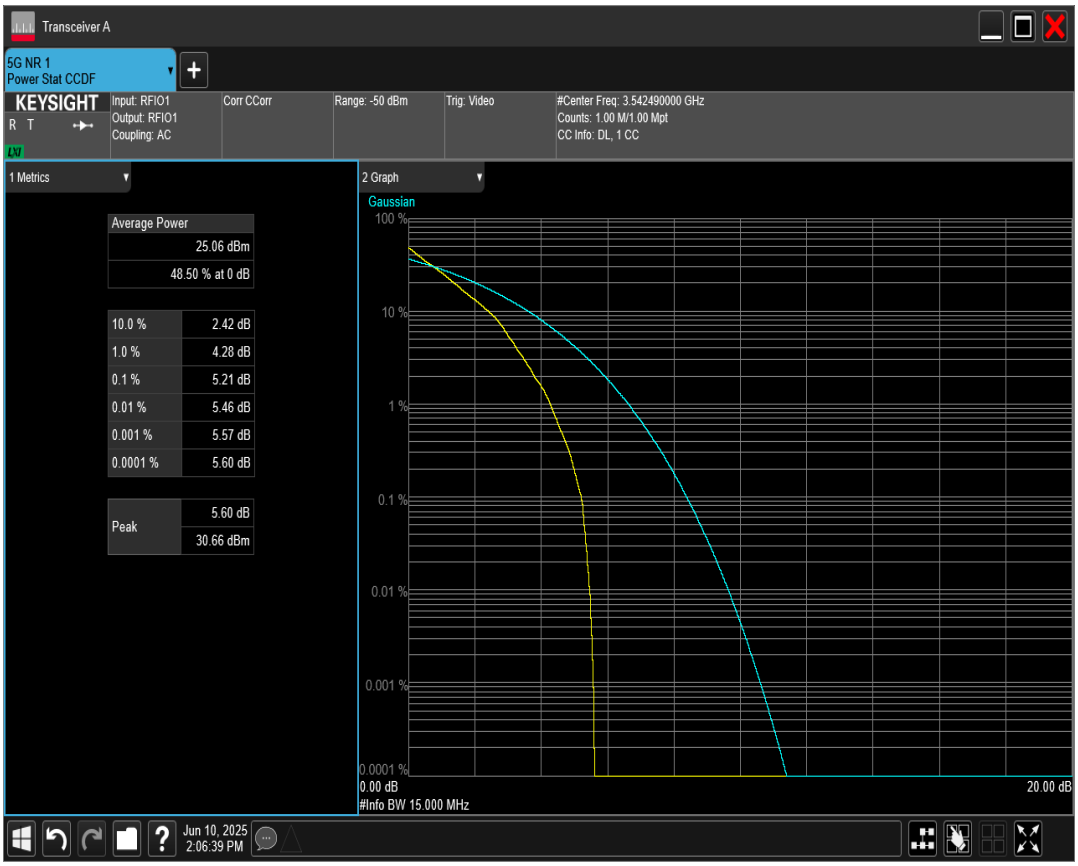
n77(3450-3550) SCS=30kHz DFT_QPSK BW=15MHz Channel=630500 RB=36@0



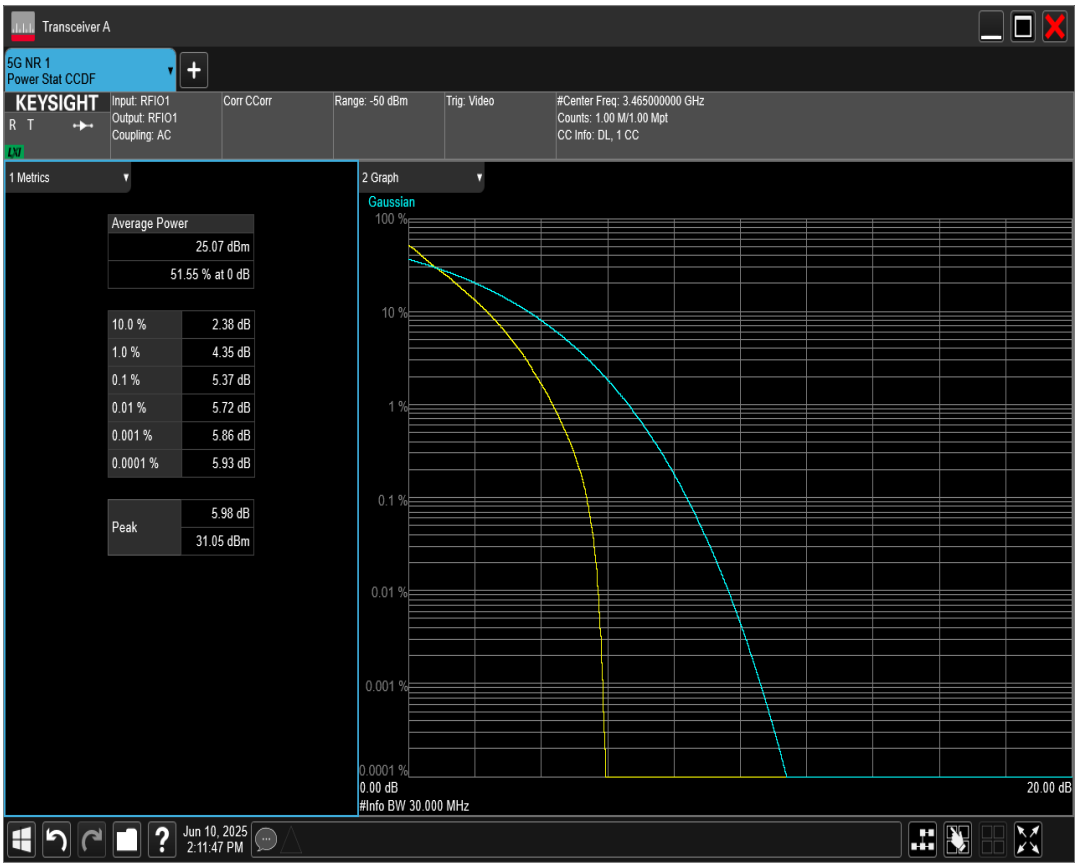
n77(3450-3550) SCS=30kHz DFT_QPSK BW=10MHz Channel=636332 RB=24@0



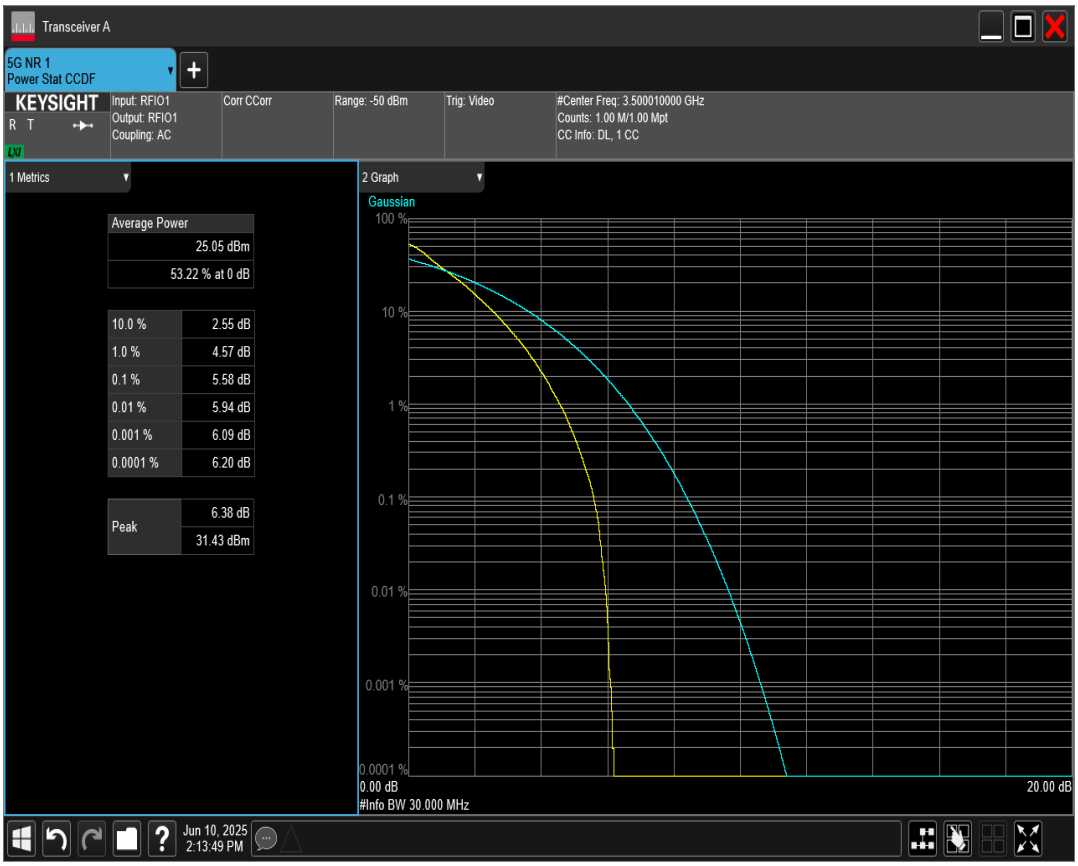
n77(3450-3550) SCS=30kHz DFT_QPSK BW=15MHz Channel=636166 RB=36@0



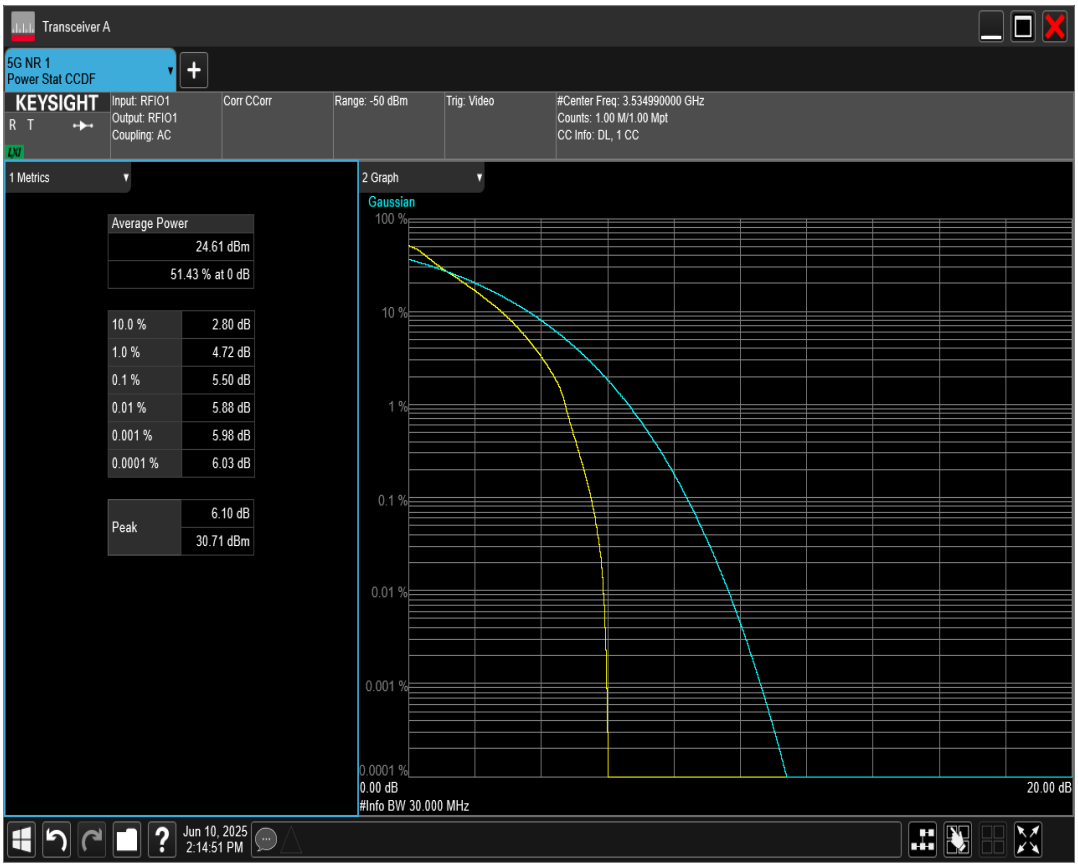
n77(3450-3550) SCS=30kHz DFT_QPSK BW=30MHz Channel=631000 RB=75@0



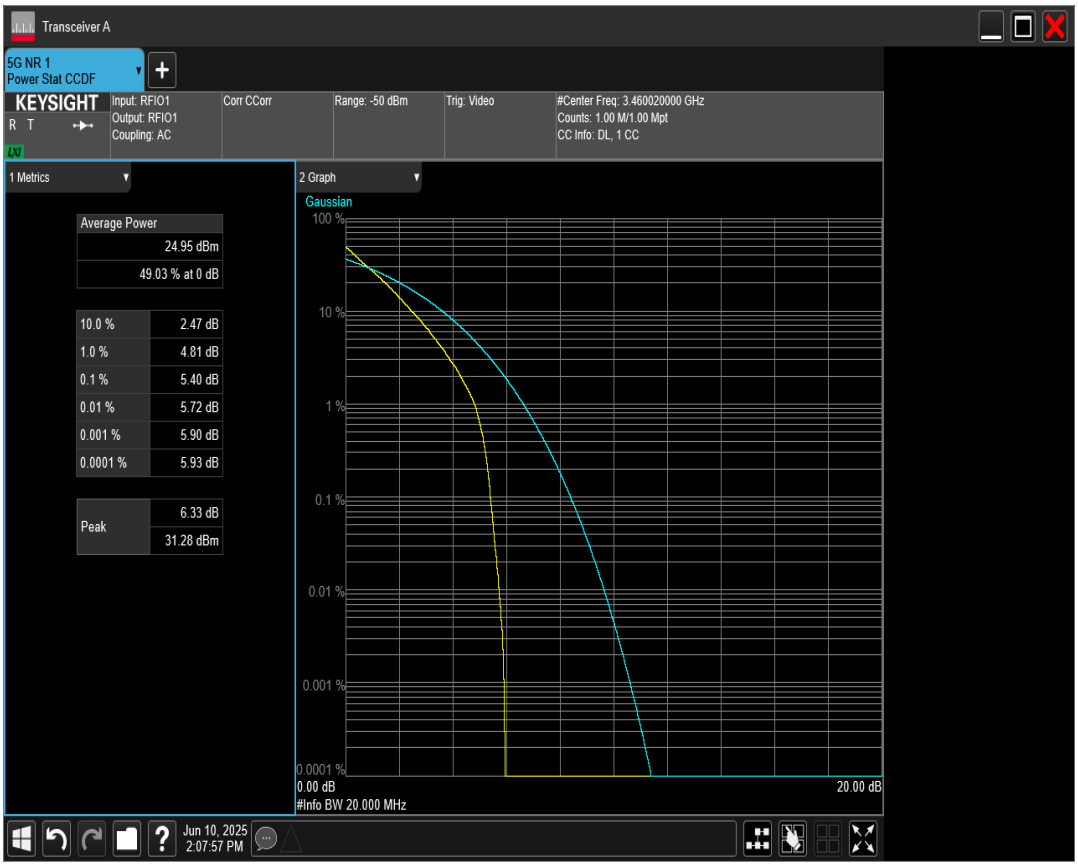
n77(3450-3550) SCS=30kHz DFT_QPSK BW=30MHz Channel=633334 RB=75@0



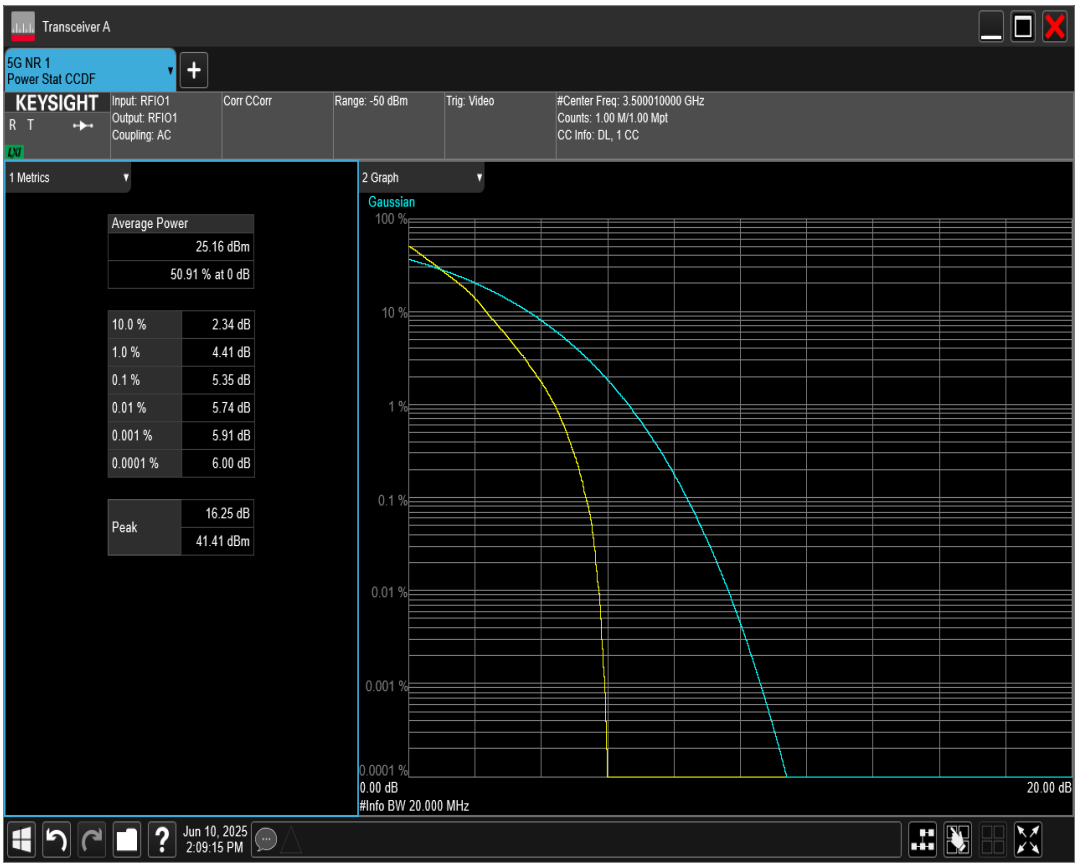
n77(3450-3550) SCS=30kHz DFT_QPSK BW=30MHz Channel=635666 RB=75@0



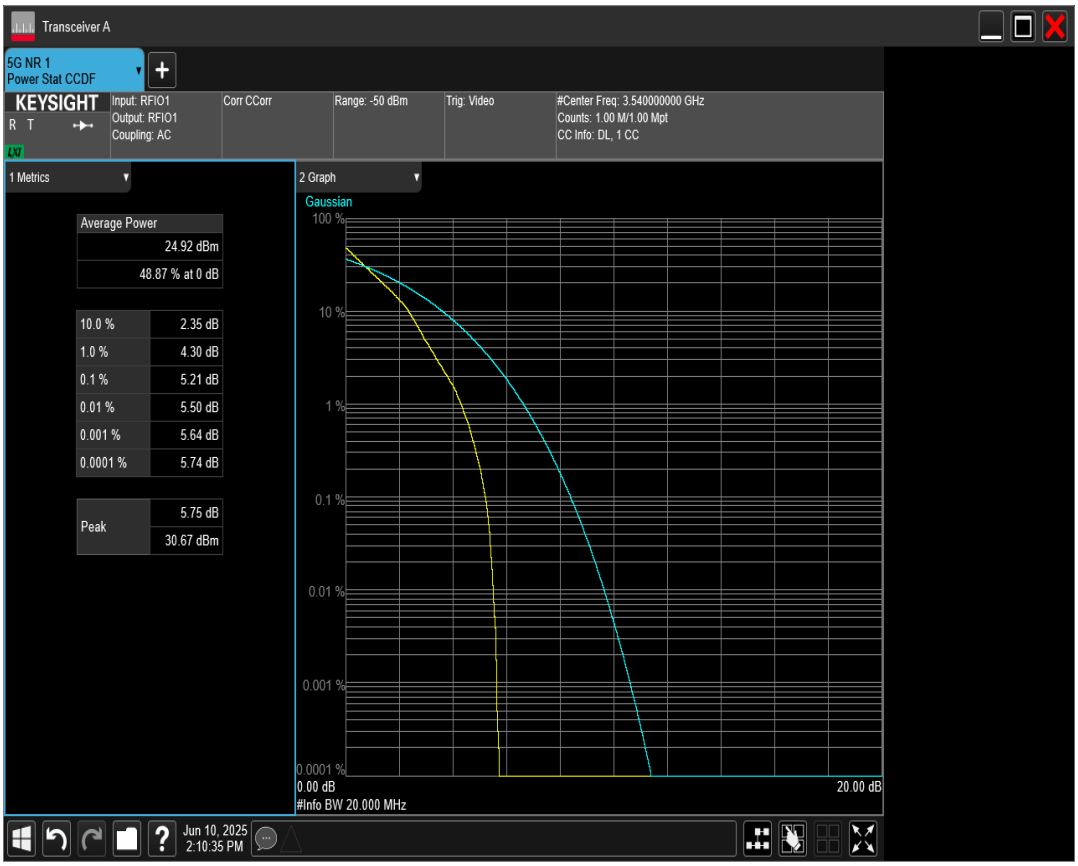
n77(3450-3550) SCS=30kHz DFT_QPSK BW=20MHz Channel=630668 RB=50@0



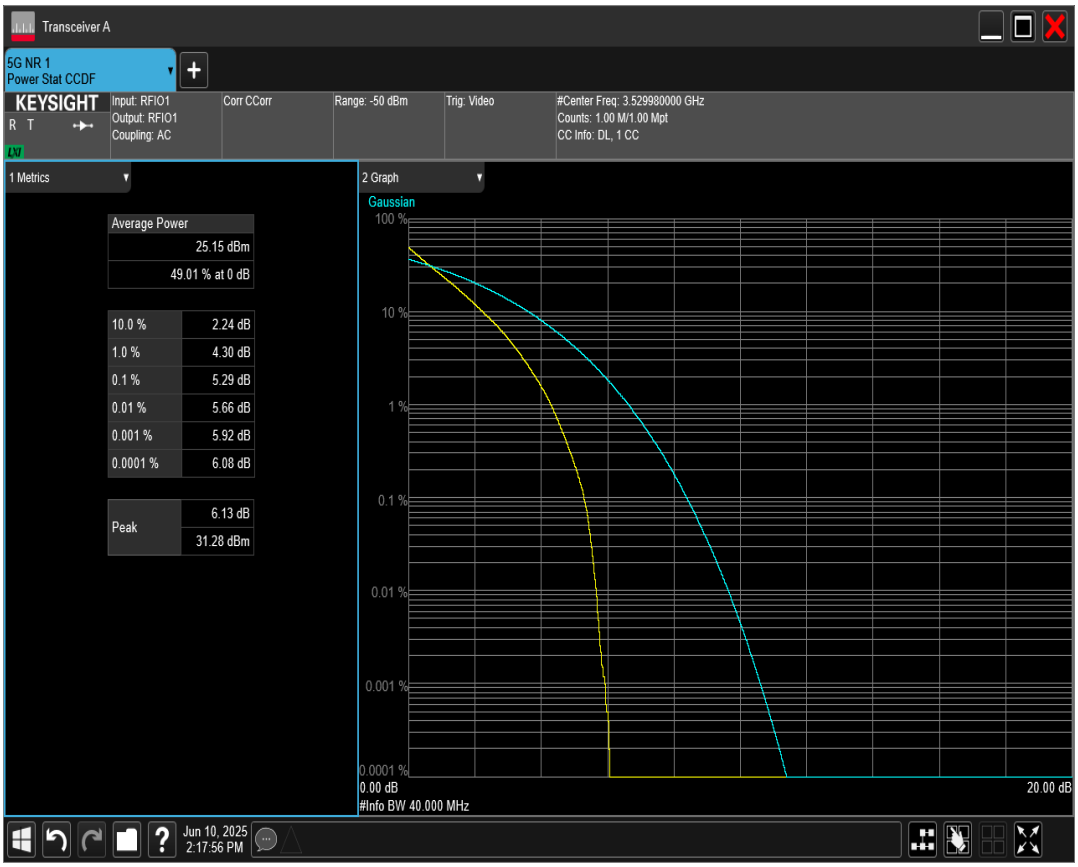
n77(3450-3550) SCS=30kHz DFT_QPSK BW=20MHz Channel=633334 RB=50@0



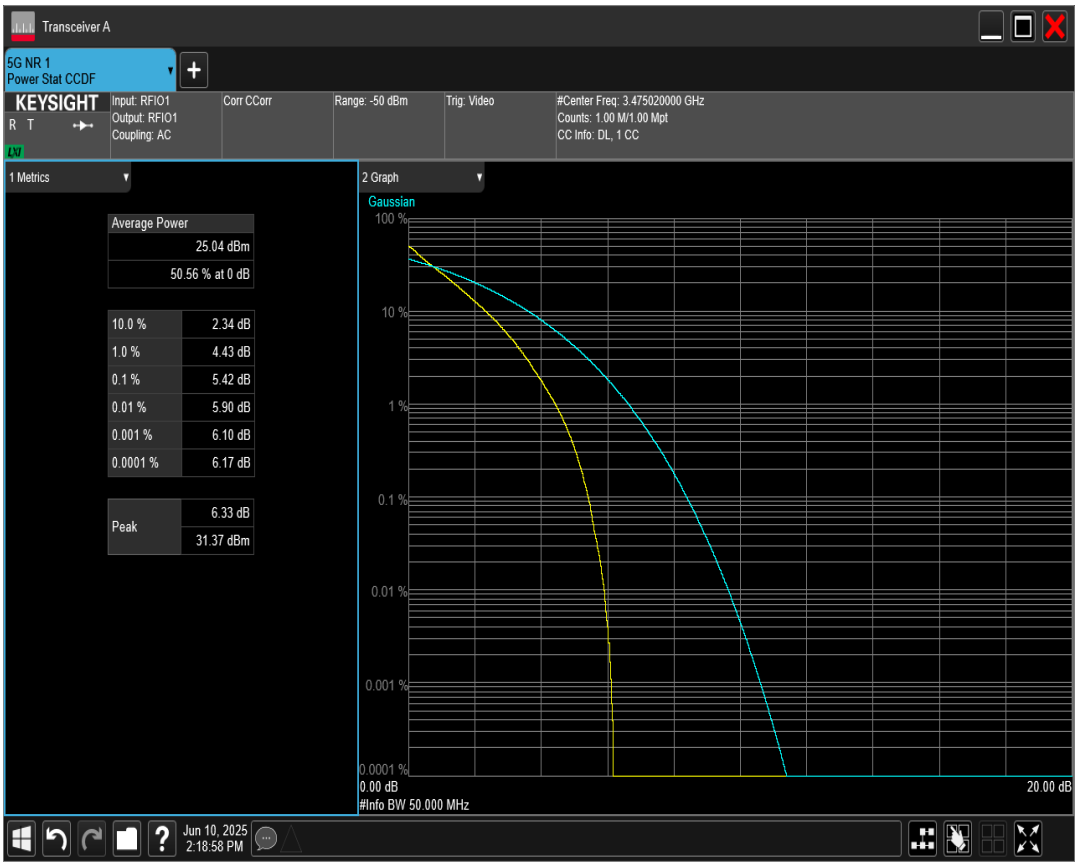
n77(3450-3550) SCS=30kHz DFT_QPSK BW=20MHz Channel=636000 RB=50@0



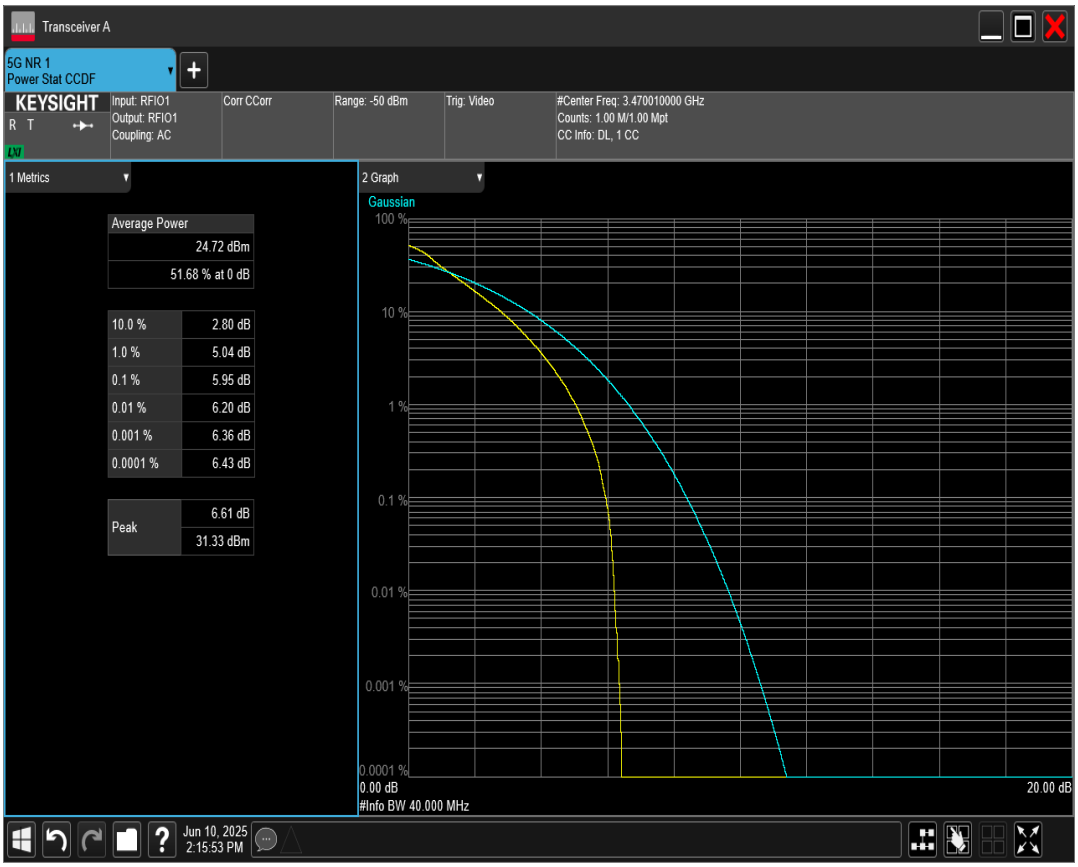
n77(3450-3550) SCS=30kHz DFT_QPSK BW=40MHz Channel=635332 RB=100@0



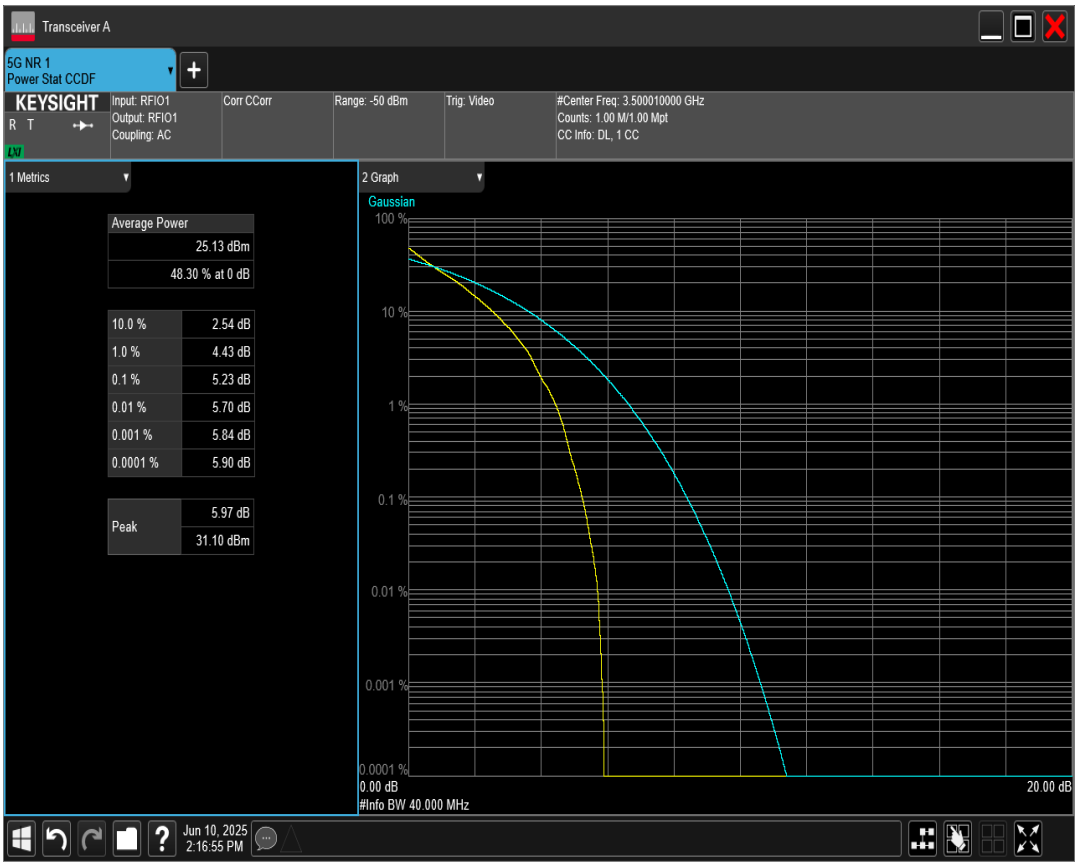
n77(3450-3550) SCS=30kHz DFT_QPSK BW=50MHz Channel=631668 RB=128@0



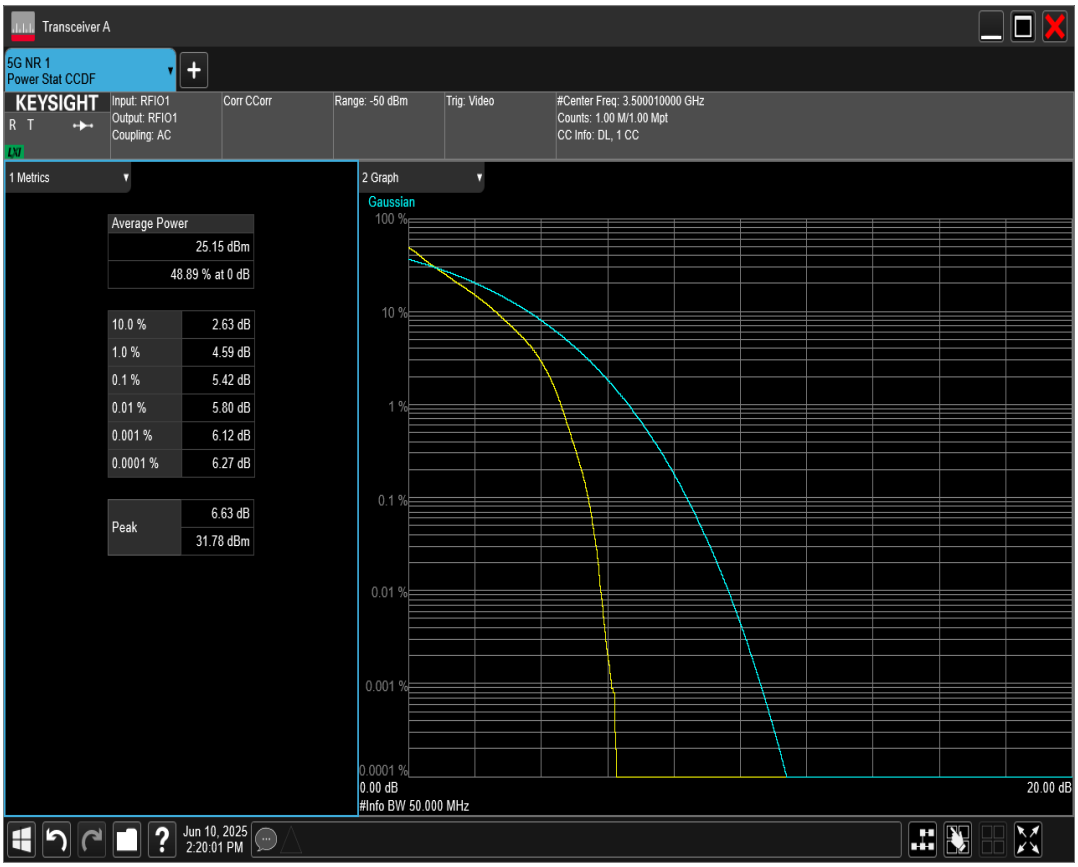
n77(3450-3550) SCS=30kHz DFT_QPSK BW=40MHz Channel=631334 RB=100@0



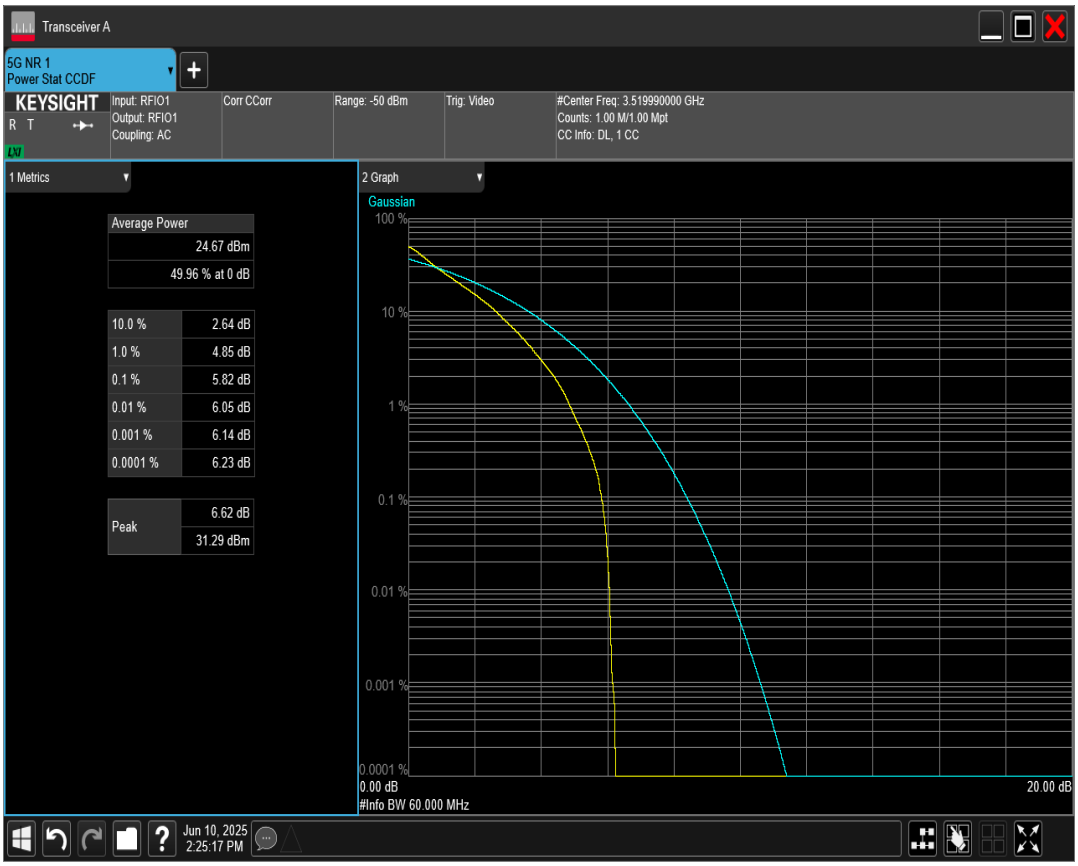
n77(3450-3550) SCS=30kHz DFT_QPSK BW=40MHz Channel=633334 RB=100@0



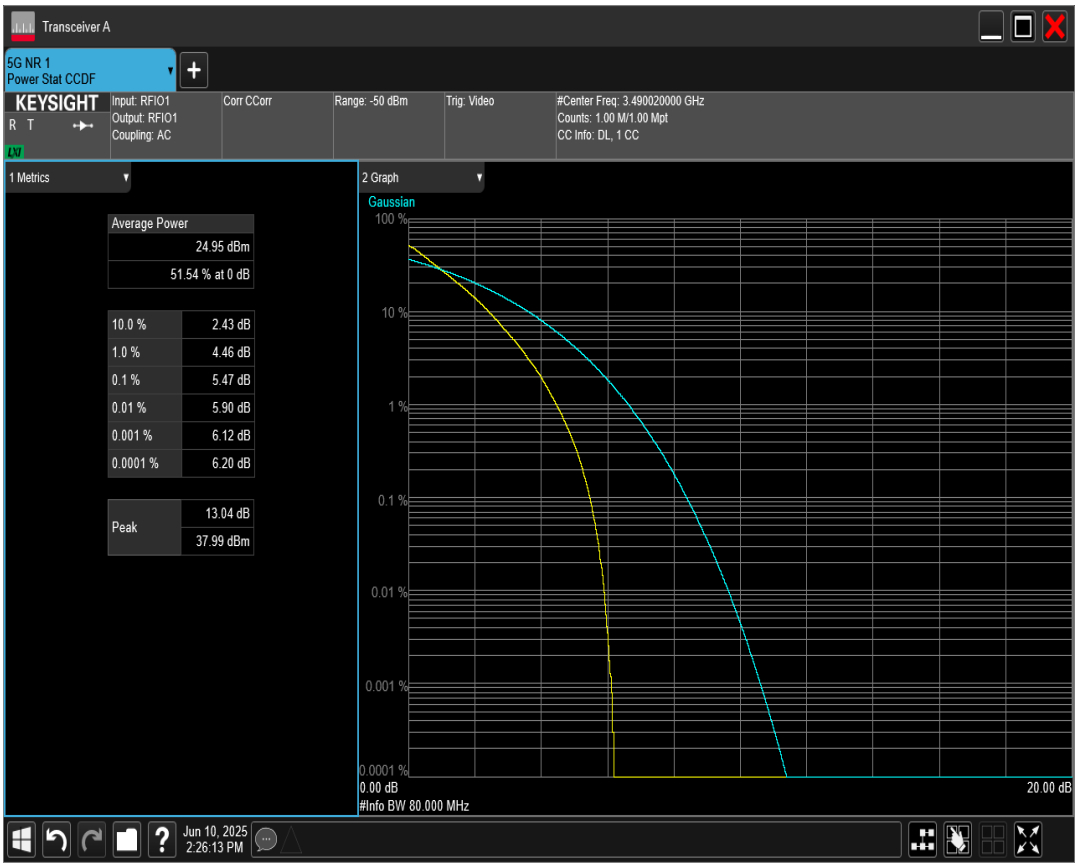
n77(3450-3550) SCS=30kHz DFT_QPSK BW=50MHz Channel=633334 RB=128@0



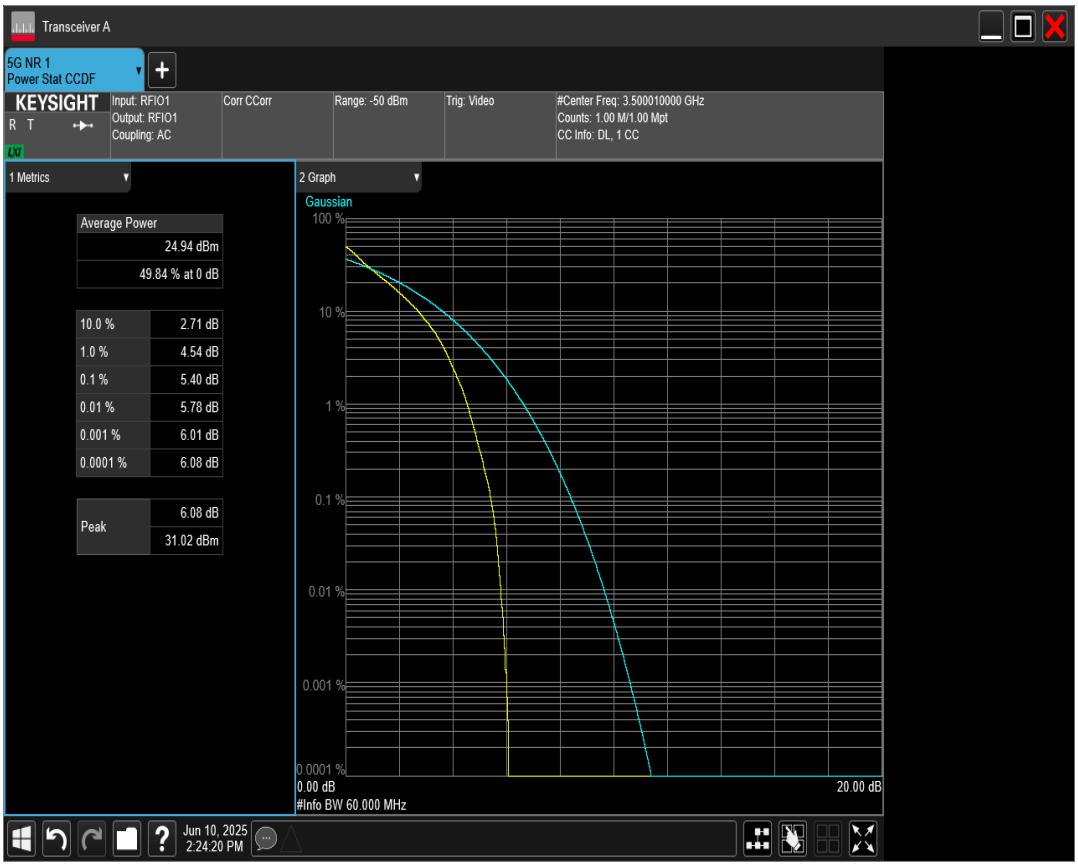
n77(3450-3550) SCS=30kHz DFT_QPSK BW=60MHz Channel=634666 RB=162@0



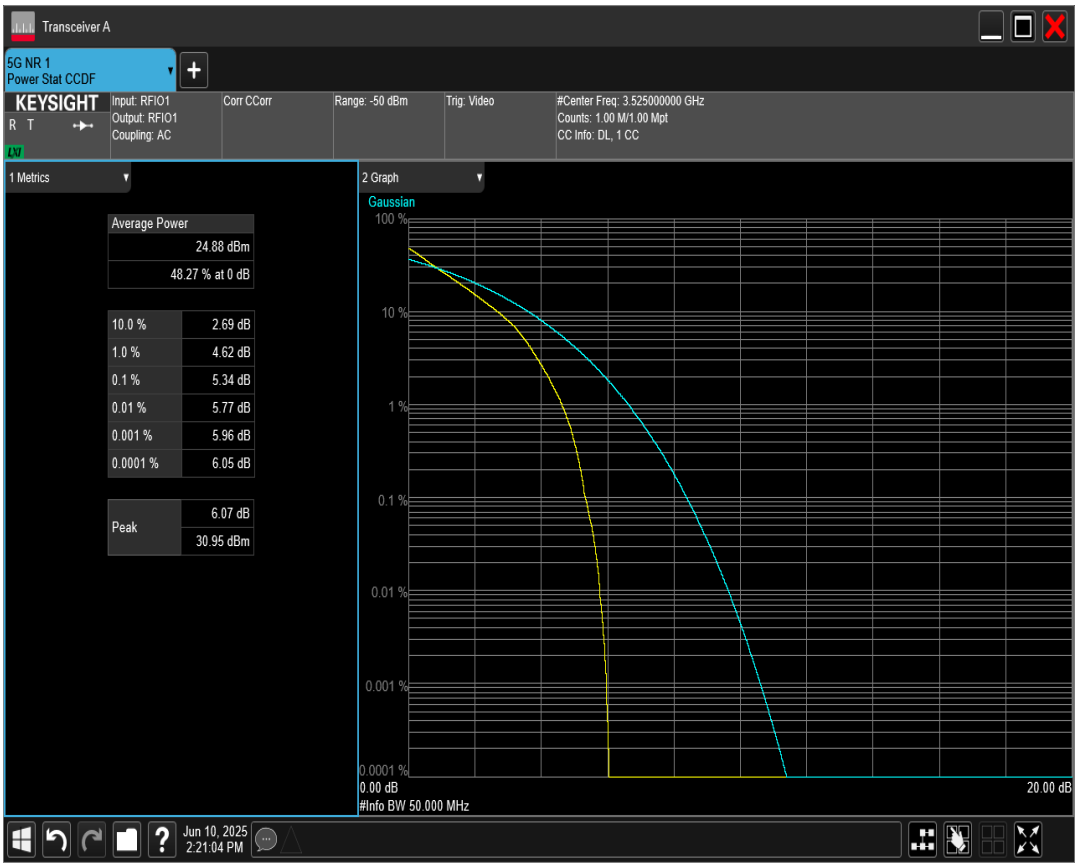
n77(3450-3550) SCS=30kHz DFT_QPSK BW=80MHz Channel=632668 RB=216@0



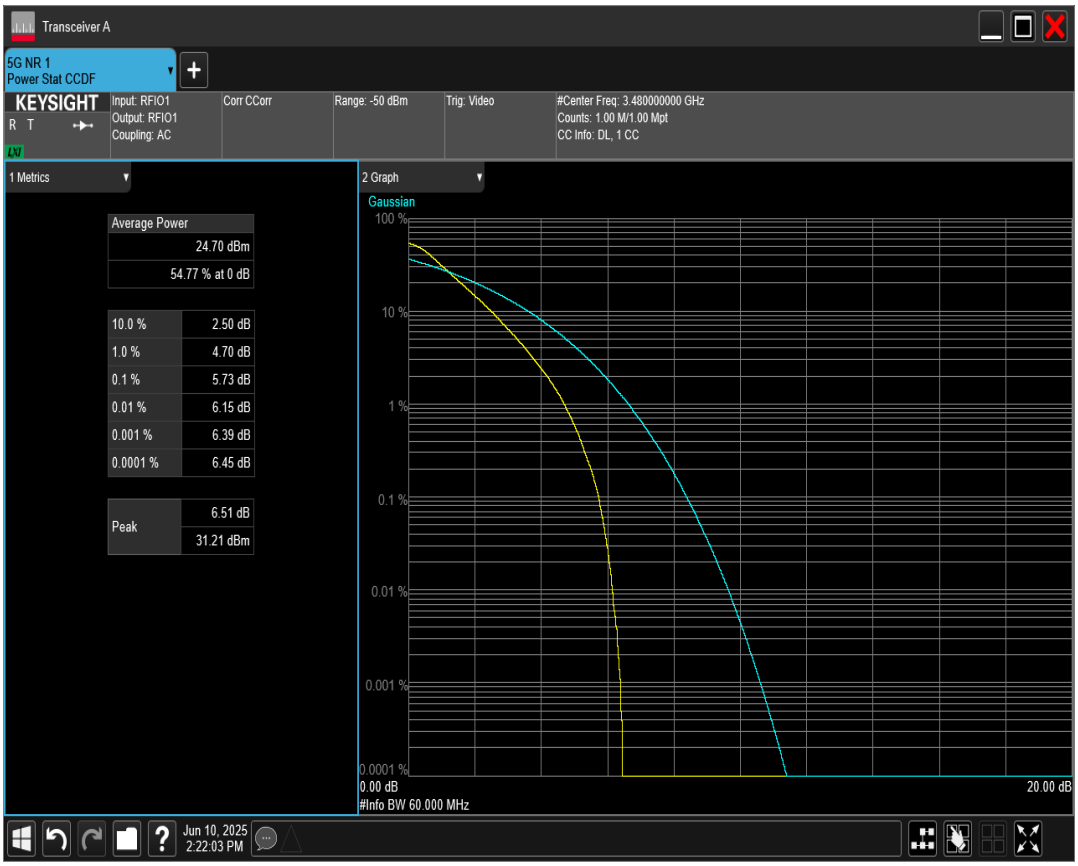
n77(3450-3550) SCS=30kHz DFT_QPSK BW=60MHz Channel=633334 RB=162@0



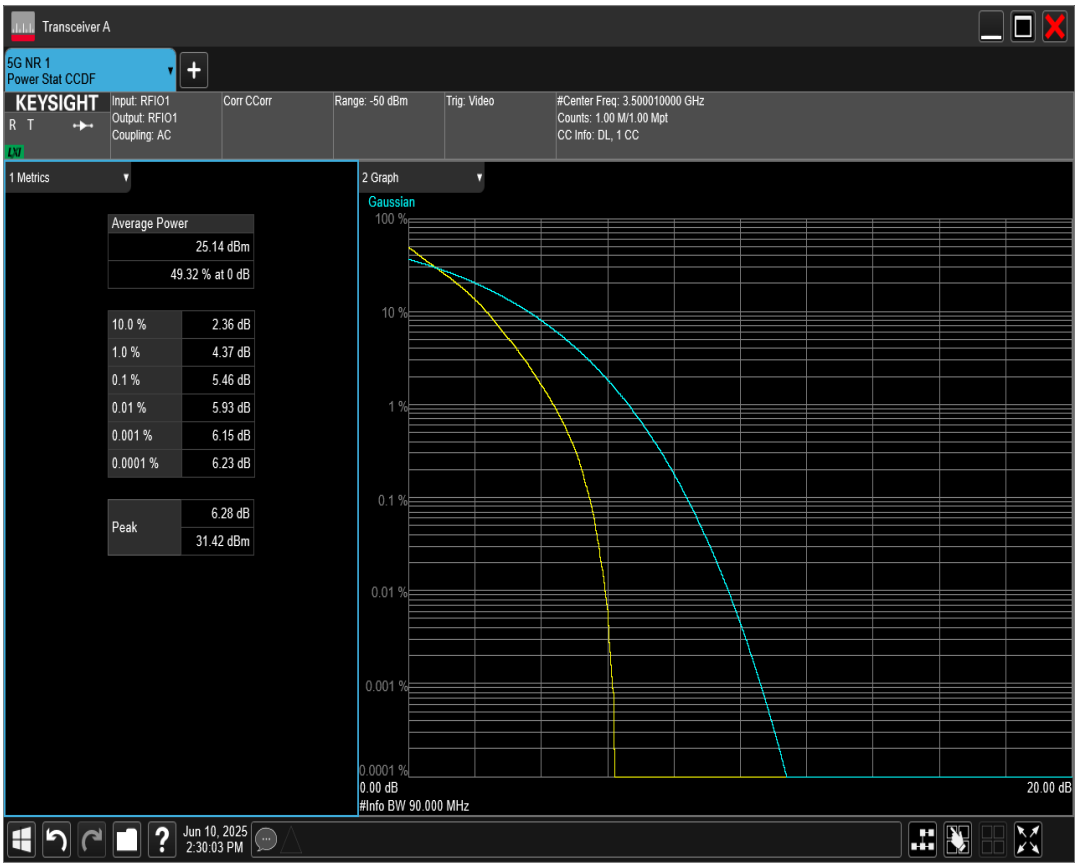
n77(3450-3550) SCS=30kHz DFT_QPSK BW=50MHz Channel=635000 RB=128@0



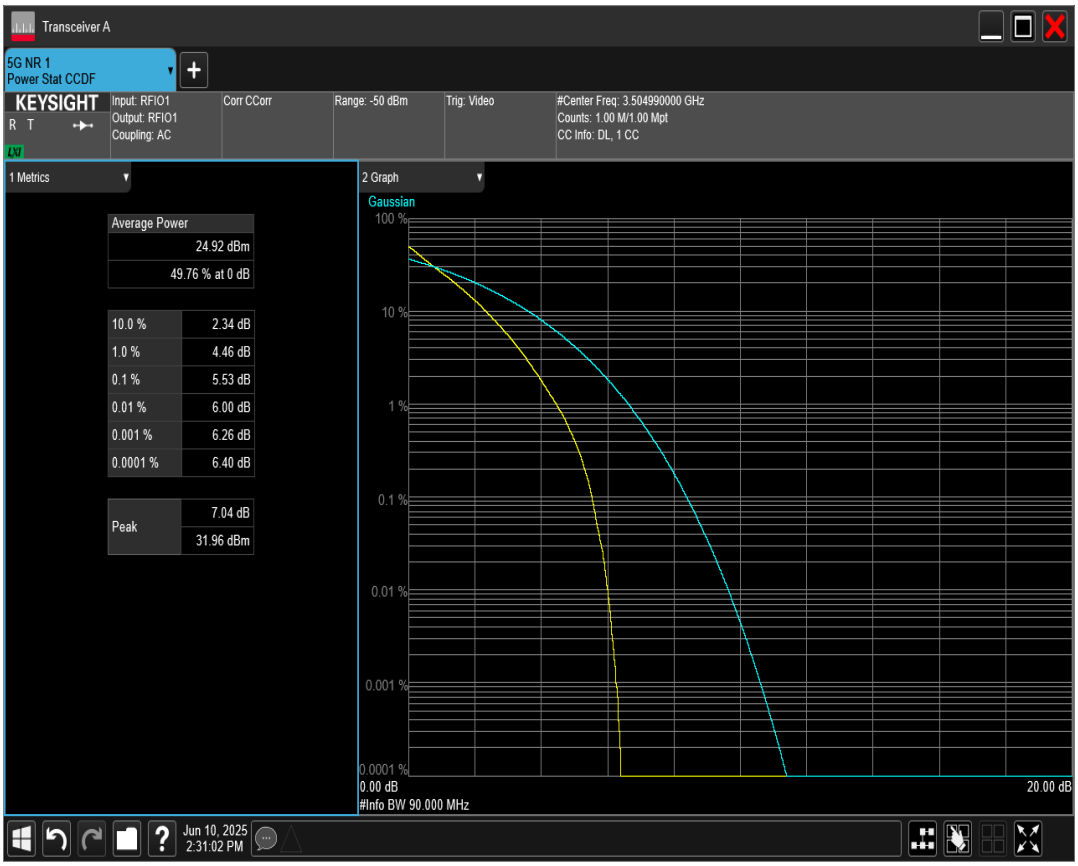
n77(3450-3550) SCS=30kHz DFT_QPSK BW=60MHz Channel=632000 RB=162@0



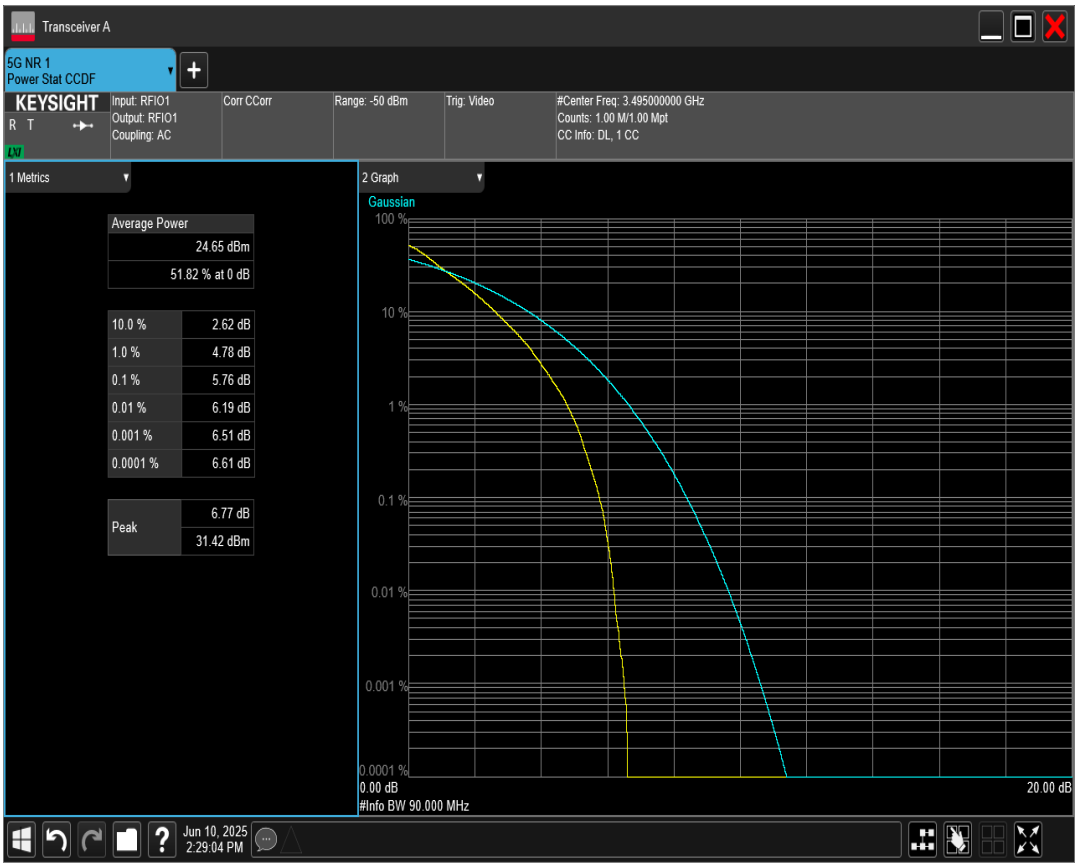
n77(3450-3550) SCS=30kHz DFT_QPSK BW=90MHz Channel=633334 RB=240@0



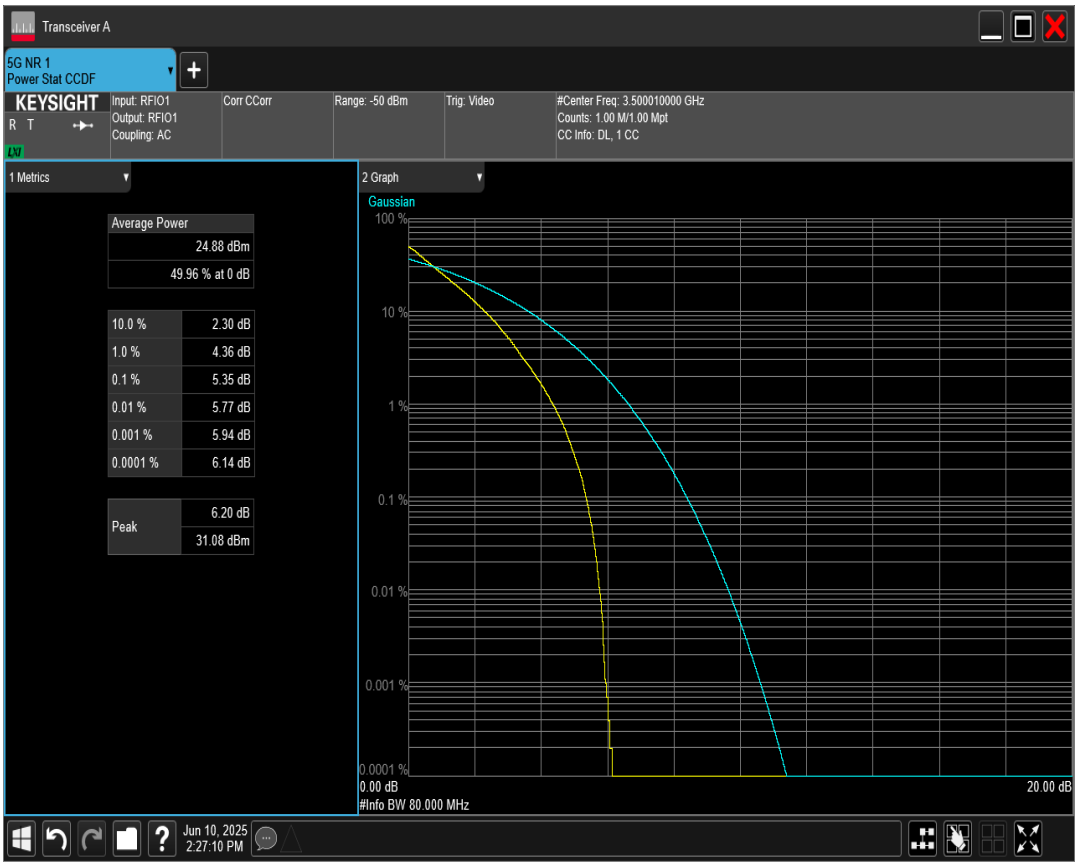
n77(3450-3550) SCS=30kHz DFT_QPSK BW=90MHz Channel=633666 RB=240@0



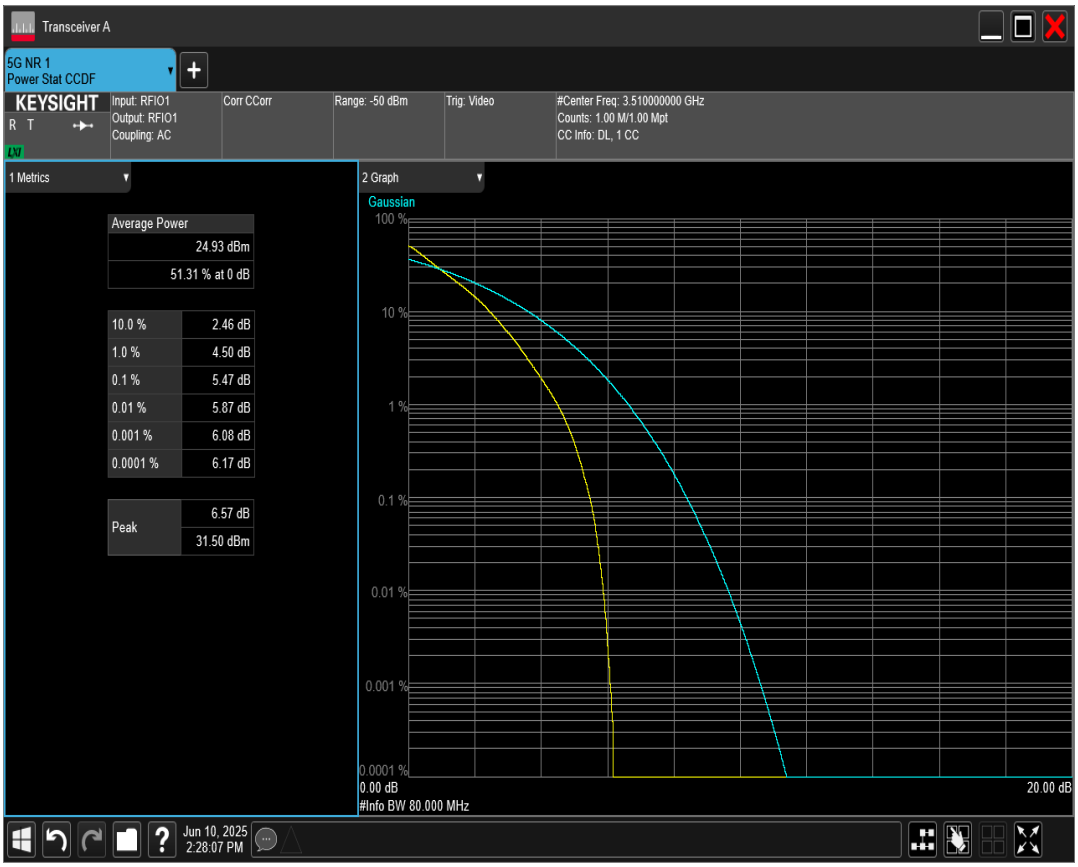
n77(3450-3550) SCS=30kHz DFT_QPSK BW=90MHz Channel=633000 RB=240@0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=80MHz Channel=633334 RB=216@0



n77(3450-3550) SCS=30kHz DFT_QPSK BW=80MHz Channel=634000 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: 3.510000000 GHz
Counts: 1.00 M/1.00 Mpt
CC Info: DL, 1 CC
1 Metrics
Average Power
24.93 dBm
51.31 % at 0 dB
10.0 % 2.46 dB
1.0 % 4.50 dB
0.1 % 5.47 dB
0.01 % 5.87 dB
0.001 % 6.08 dB
0.0001 % 6.17 dB
Peak 6.57 dB
31.50 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
2:28:07 PM

4 Occupied bandwidth for NR FR1

Band	SCS (kHz)	Bandwidth (MHz)	UL Channel	RB Allocation	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
n77(3450-3550)	30	10	633334	24@0	DFT_BPSK	8.540	8.940	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_QPSK	8.560	8.980	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_QAM16	8.550	8.870	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_QAM64	8.560	8.890	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_QAM256	8.570	8.910	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_BPSK	13.480	13.280	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_QPSK	13.510	13.320	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_QAM16	13.430	13.310	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_QAM64	13.490	13.230	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_QAM256	13.440	13.260	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_BPSK	18.040	18.340	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_QPSK	18.010	18.360	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_QAM16	17.960	18.250	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_QAM64	17.930	18.210	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_QAM256	17.930	18.320	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_BPSK	27.680	27.300	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_QPSK	27.600	27.330	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_QAM16	27.560	27.350	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_QAM64	27.610	27.300	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_QAM256	27.560	27.310	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_BPSK	37.550	36.310	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_QPSK	37.550	36.370	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_QAM16	37.460	36.310	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_QAM64	37.450	36.300	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_QAM256	37.350	36.220	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_BPSK	47.070	46.380	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_QPSK	47.090	46.470	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_QAM16	46.930	46.320	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_QAM64	47.030	46.400	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_QAM256	47.070	46.370	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_BPSK	57.710	58.620	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QPSK	57.620	58.570	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QAM16	57.680	58.580	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QAM64	57.760	58.640	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QAM256	57.540	58.560	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_BPSK	76.930	78.180	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QPSK	76.920	78.160	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QAM16	76.930	78.040	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QAM64	76.920	77.990	PASS

n77(3450-3550)	30	80	633334	216@0	DFT_QAM256	76.960	78.020	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_BPSK	86.540	86.750	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QPSK	86.420	86.670	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QAM16	86.440	86.660	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QAM64	86.440	86.640	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QAM256	86.650	86.700	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	96.290	97.540	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QPSK	96.310	97.660	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QAM16	96.280	97.570	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QAM64	96.180	97.560	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QAM256	96.300	97.510	PASS

n77(3450-3550) SCS=30kHz DFT_BPSK BW=100MHz Channel=633334 RB=270@0

n77(3450-3550) SCS=30kHz DFT_BPSK BW=10MHz Channel=633334 RB=24@0

n77(3450-3550) SCS=30kHz DFT_BPSK BW=15MHz Channel=633334 RB=36@0

n77(3450-3550) SCS=30kHz DFT_BPSK BW=20MHz Channel=633334 RB=50@0

n77(3450-3550) SCS=30kHz DFT_BPSK BW=30MHz Channel=633334 RB=75@0

n77(3450-3550) SCS=30kHz DFT_BPSK BW=40MHz Channel=633334 RB=100@0

n77(3450-3550) SCS=30kHz DFT_BPSK BW=50MHz Channel=633334 RB=128@0

n77(3450-3550) SCS=30kHz DFT_BPSK BW=60MHz Channel=633334 RB=162@0

n77(3450-3550) SCS=30kHz DFT_BPSK BW=80MHz Channel=633334 RB=216@0

n77(3450-3550) SCS=30kHz DFT_BPSK BW=90MHz Channel=633334 RB=240@0

n77(3450-3550) SCS=30kHz DFT_QAM16 BW=100MHz Channel=633334 RB=270@0

n77(3450-3550) SCS=30kHz DFT_QAM16 BW=10MHz Channel=633334 RB=24@0

n77(3450-3550) SCS=30kHz DFT_QAM16 BW=15MHz Channel=633334 RB=36@0

n77(3450-3550) SCS=30kHz DFT_QAM16 BW=20MHz Channel=633334 RB=50@0

n77(3450-3550) SCS=30kHz DFT_QAM16 BW=30MHz Channel=633334 RB=75@0

n77(3450-3550) SCS=30kHz DFT_QAM16 BW=40MHz Channel=633334 RB=100@0

n77(3450-3550) SCS=30kHz DFT_QAM16 BW=50MHz Channel=633334 RB=128@0

n77(3450-3550) SCS=30kHz DFT_QAM16 BW=60MHz Channel=633334 RB=162@0

n77(3450-3550) SCS=30kHz DFT_QAM16 BW=80MHz Channel=633334 RB=216@0

n77(3450-3550) SCS=30kHz DFT_QAM16 BW=90MHz Channel=633334 RB=240@0

n77(3450-3550) SCS=30kHz DFT_QAM256 BW=100MHz Channel=633334 RB=270@0

n77(3450-3550) SCS=30kHz DFT_QAM256 BW=10MHz Channel=633334 RB=24@0

n77(3450-3550) SCS=30kHz DFT_QAM256 BW=20MHz Channel=633334 RB=50@0

n77(3450-3550) SCS=30kHz DFT_QAM256 BW=15MHz Channel=633334 RB=36@0

n77(3450-3550) SCS=30kHz DFT_QAM256 BW=30MHz Channel=633334 RB=75@0

n77(3450-3550) SCS=30kHz DFT_QAM256 BW=40MHz Channel=633334 RB=100@0

n77(3450-3550) SCS=30kHz DFT_QAM256 BW=50MHz Channel=633334 RB=128@0

n77(3450-3550) SCS=30kHz DFT_QAM256 BW=60MHz Channel=633334 RB=162@0

n77(3450-3550) SCS=30kHz DFT_QAM256 BW=80MHz Channel=633334 RB=216@0

n77(3450-3550) SCS=30kHz DFT_QAM256 BW=90MHz Channel=633334 RB=240@0

n77(3450-3550) SCS=30kHz DFT_QAM64 BW=100MHz Channel=633334 RB=270@0

n77(3450-3550) SCS=30kHz DFT_QAM64 BW=10MHz Channel=633334 RB=24@0

n77(3450-3550) SCS=30kHz DFT_QAM64 BW=15MHz Channel=633334 RB=36@0

n77(3450-3550) SCS=30kHz DFT_QAM64 BW=20MHz Channel=633334 RB=50@0