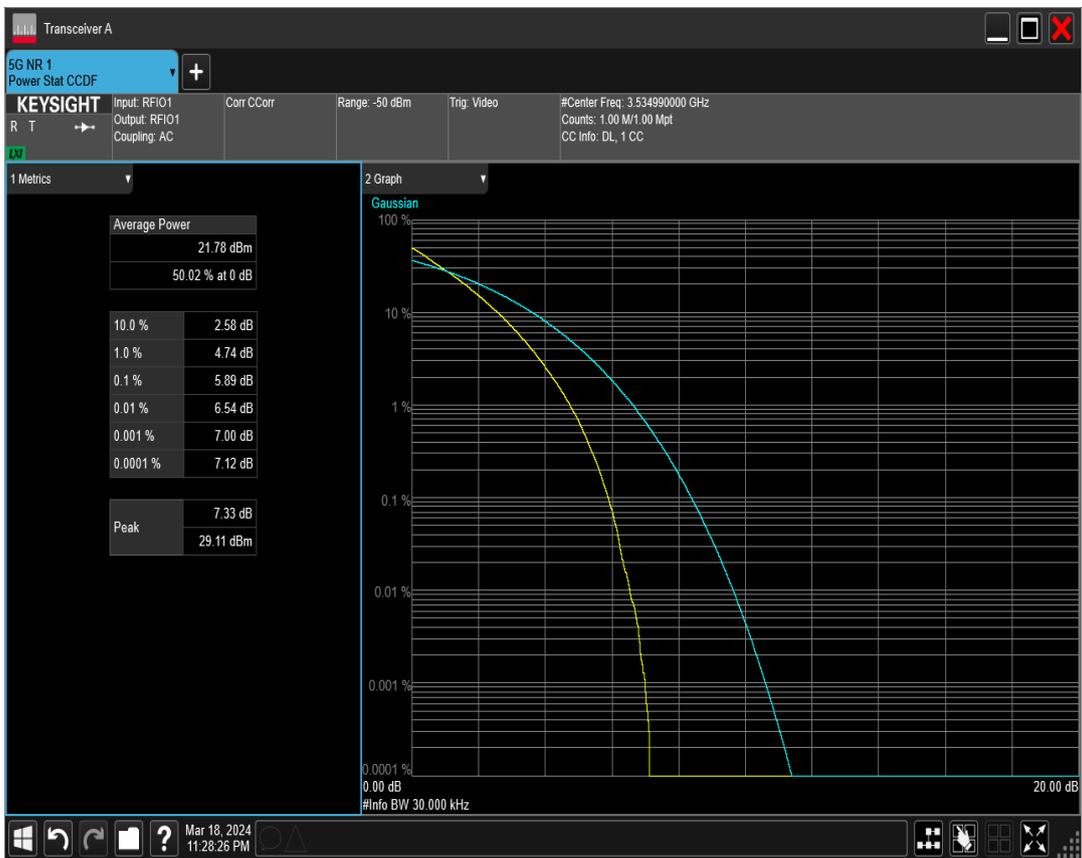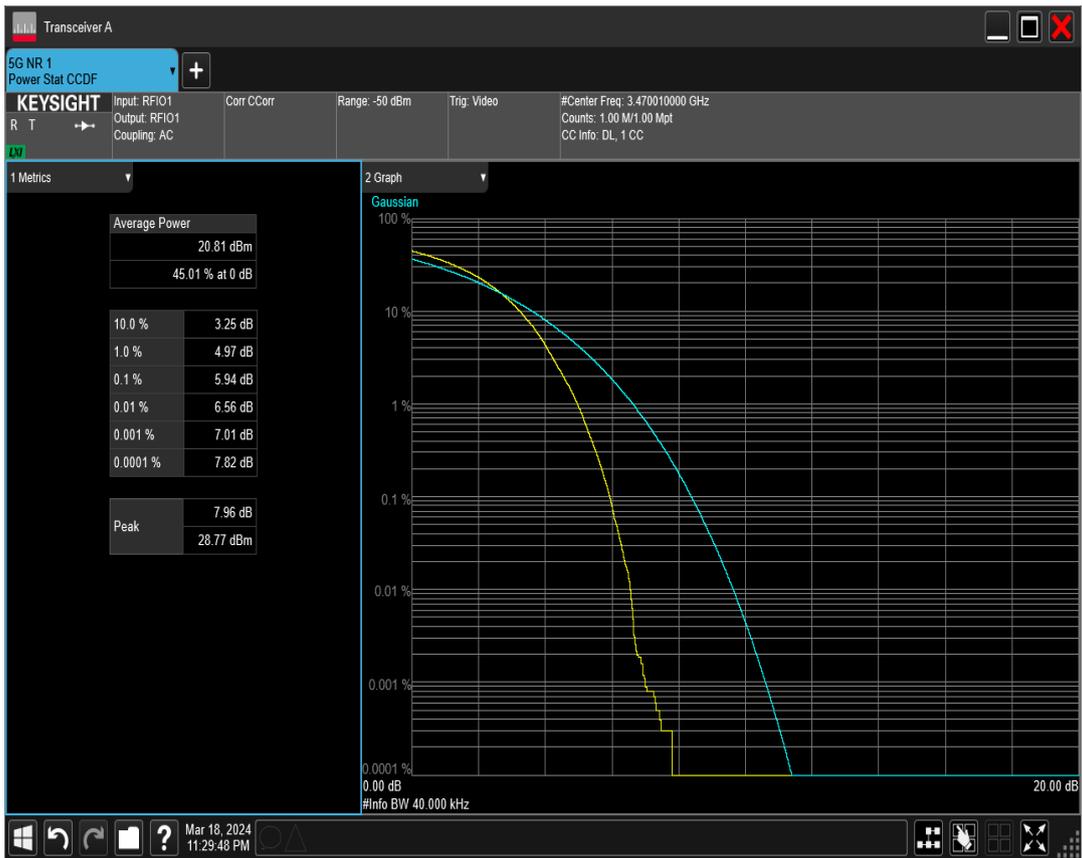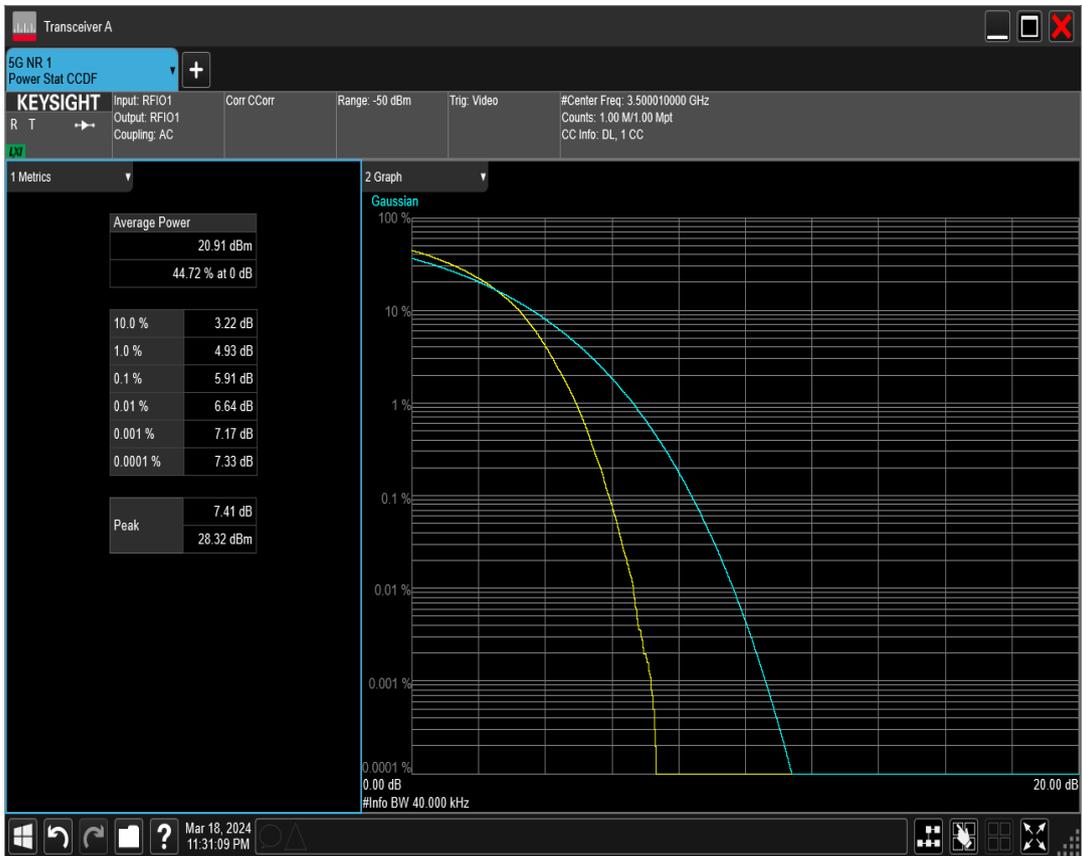n77(3450-3550) SCS=30kHz DFT_QPSK BW=30MHz Channel=635666 RB=75@0

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

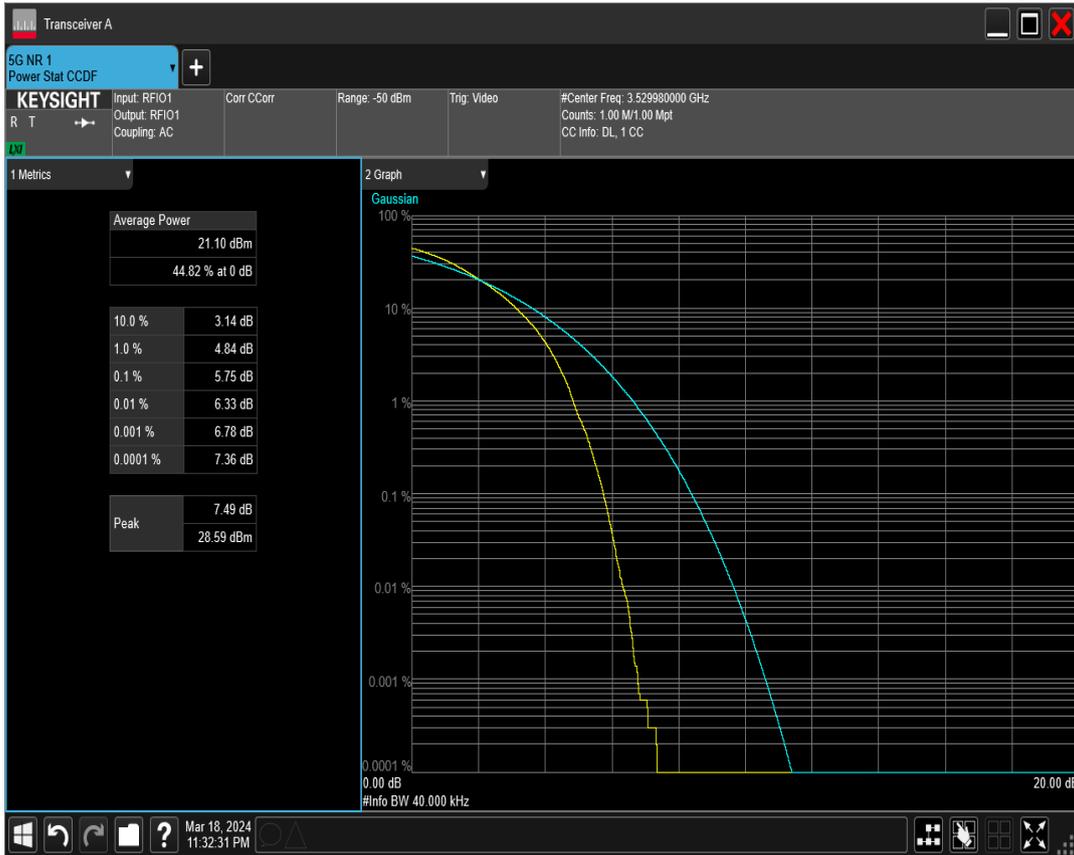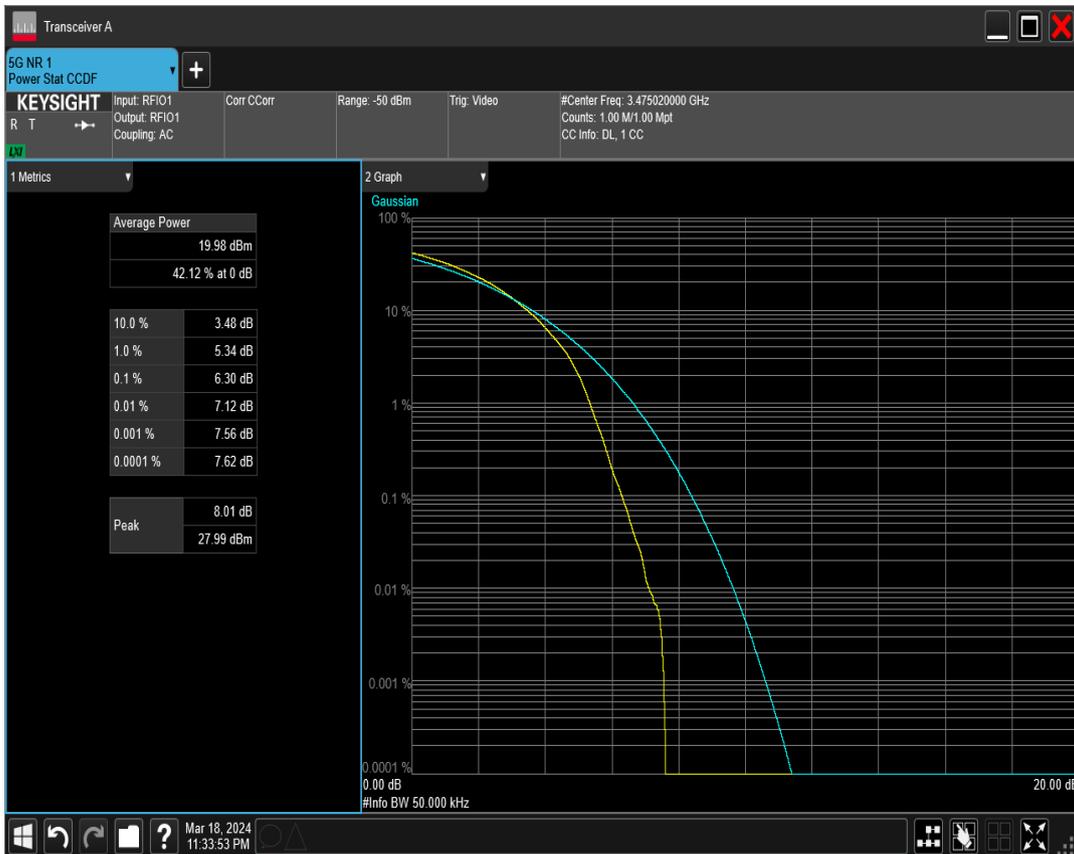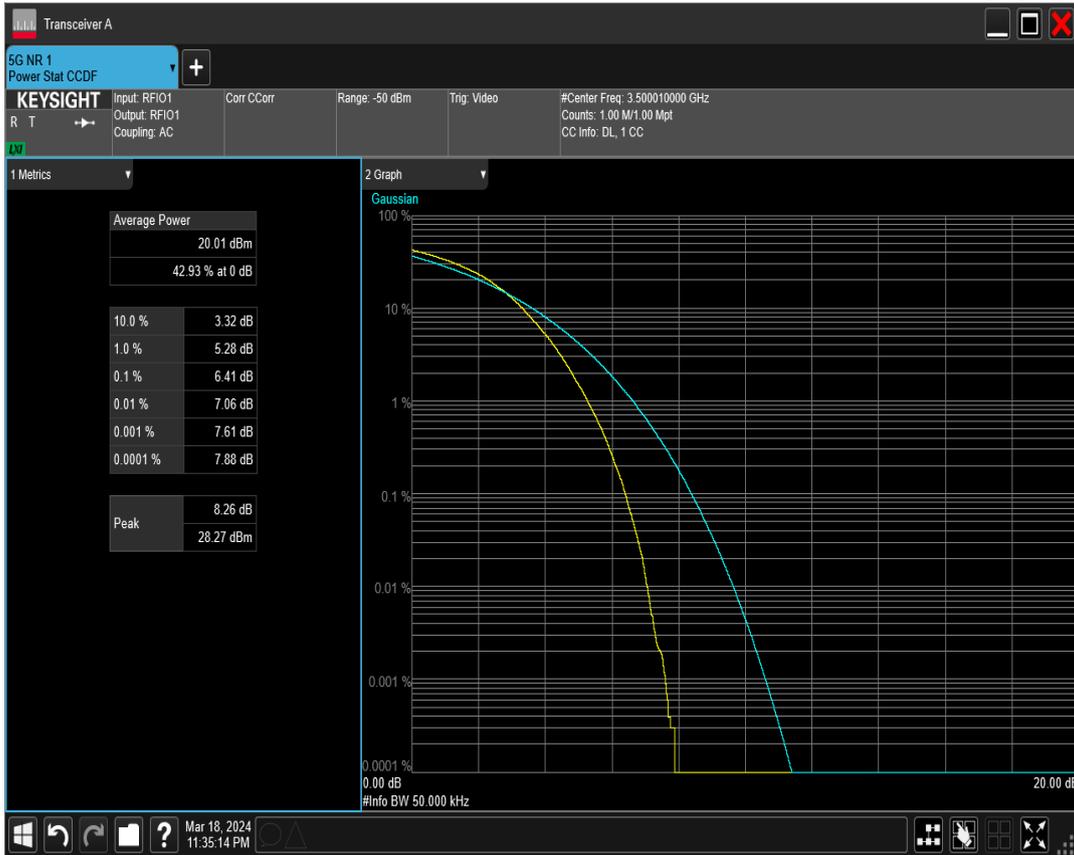n77(3450-3550) SCS=30kHz DFT_QPSK BW=40MHz Channel=633334 RB=100@0

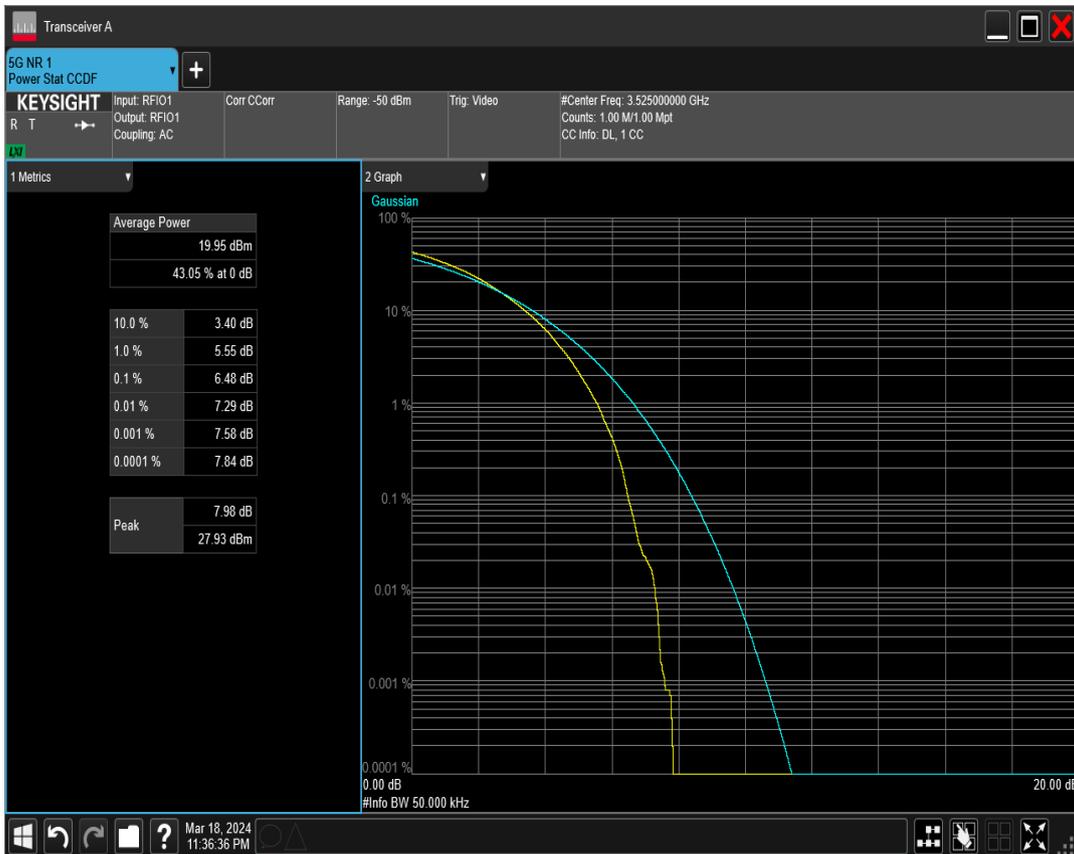n77(3450-3550) SCS=30kHz DFT_QPSK BW=40MHz Channel=635332 RB=100@0

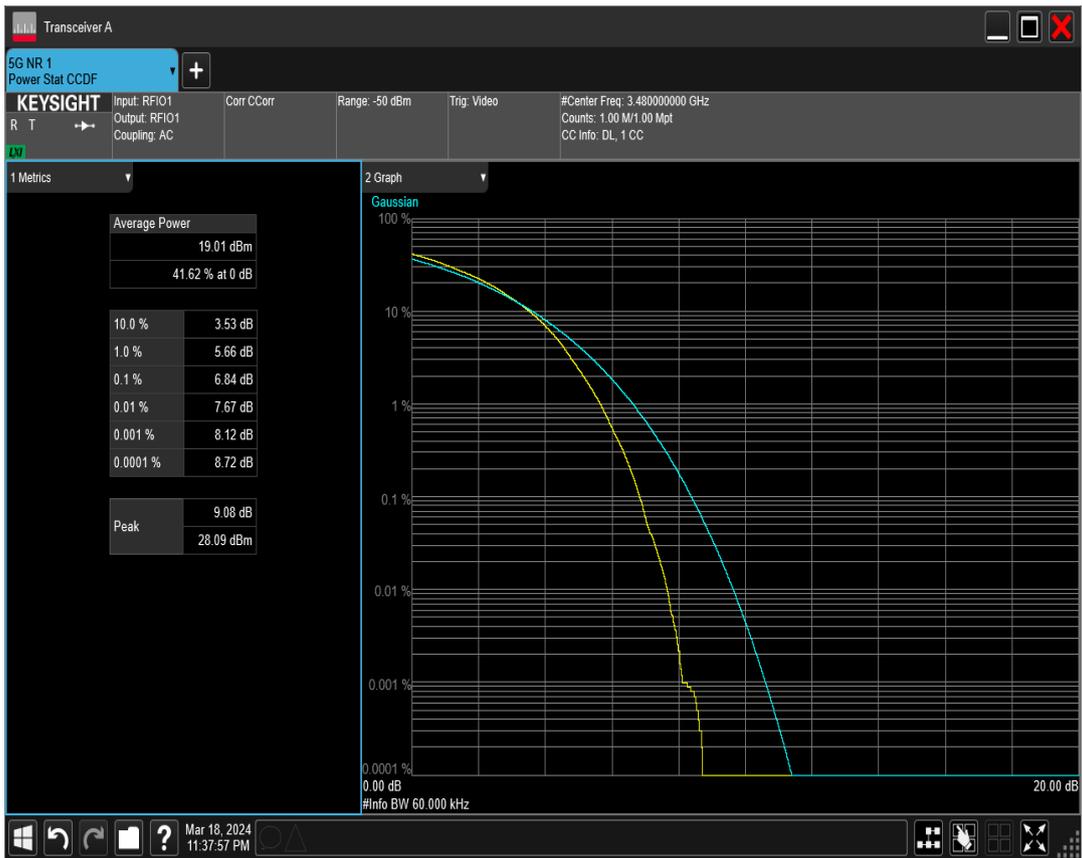n77(3450-3550) SCS=30kHz DFT_QPSK BW=50MHz Channel=631668 RB=128@0

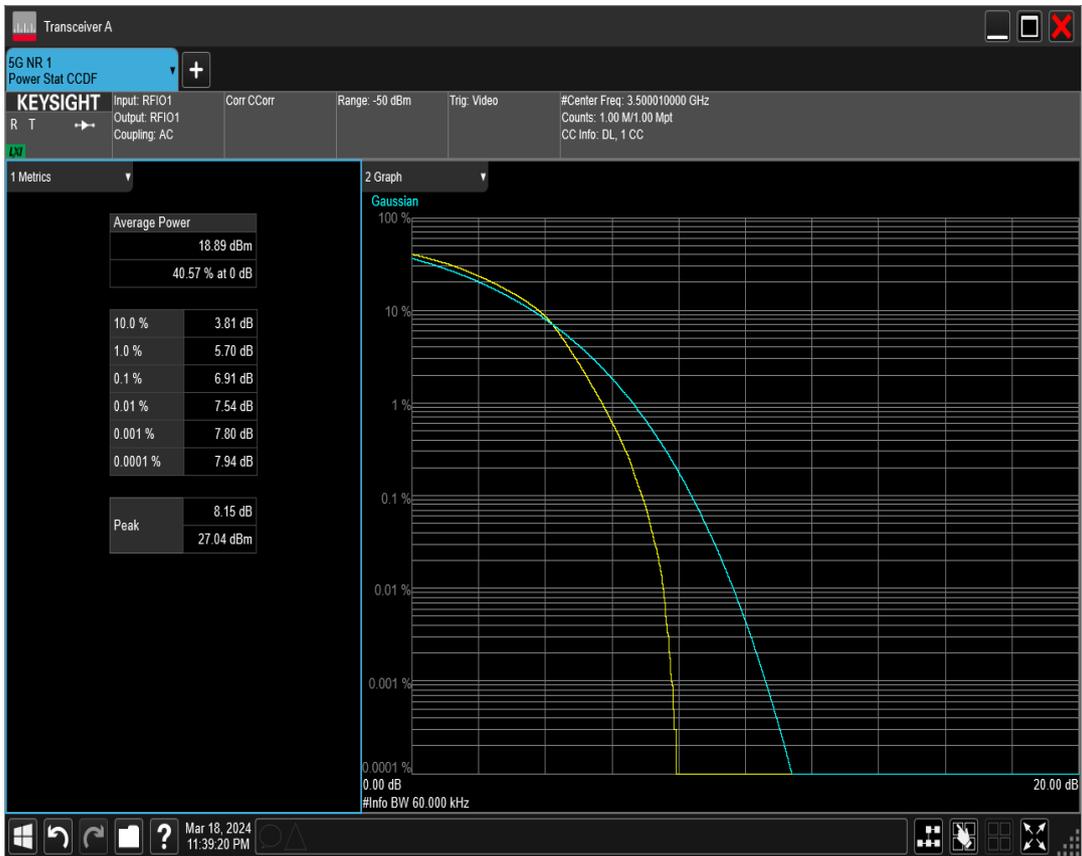n77(3450-3550) SCS=30kHz DFT_QPSK BW=50MHz Channel=633334 RB=128@0

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

Transceiver A

5G NR 1
Power Stat CCDF

KEYSIGHT
R T
LXI

Input: RFIO1
Output: RFIO1
Coupling: AC

Corr CCorr

Range: -50 dBm

Trig: Video

#Center Freq: 3.480000000 GHz
Counts: 1.00 M/1.00 Mpt
CC Info: DL, 1 CC

1 Metrics

2 Graph

Gaussian

Average Power	19.01 dBm
	41.62 % at 0 dB
10.0 %	3.53 dB
1.0 %	5.66 dB
0.1 %	6.84 dB
0.01 %	7.67 dB
0.001 %	8.12 dB
0.0001 %	8.72 dB
Peak	9.08 dB
	28.09 dBm

100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.00 dB
20.00 dB
#Info BW 60.000 kHz

Mar 18, 2024
11:37:57 PM

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

Transceiver A

5G NR 1
Power Stat CCDF

KEYSIGHT
R T
LXI

Input: RFIO1
Output: RFIO1
Coupling: AC

Corr CCorr

Range: -50 dBm

Trig: Video

#Center Freq: 3.500010000 GHz
Counts: 1.00 M/1.00 Mpt
CC Info: DL, 1 CC

1 Metrics

2 Graph

Gaussian

Average Power	18.89 dBm
	40.57 % at 0 dB
10.0 %	3.81 dB
1.0 %	5.70 dB
0.1 %	6.91 dB
0.01 %	7.54 dB
0.001 %	7.80 dB
0.0001 %	7.94 dB
Peak	8.15 dB
	27.04 dBm

100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.00 dB
20.00 dB
#Info BW 60.000 kHz

Mar 18, 2024
11:39:20 PM

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=80MHz Channel=633334 RB=216@0

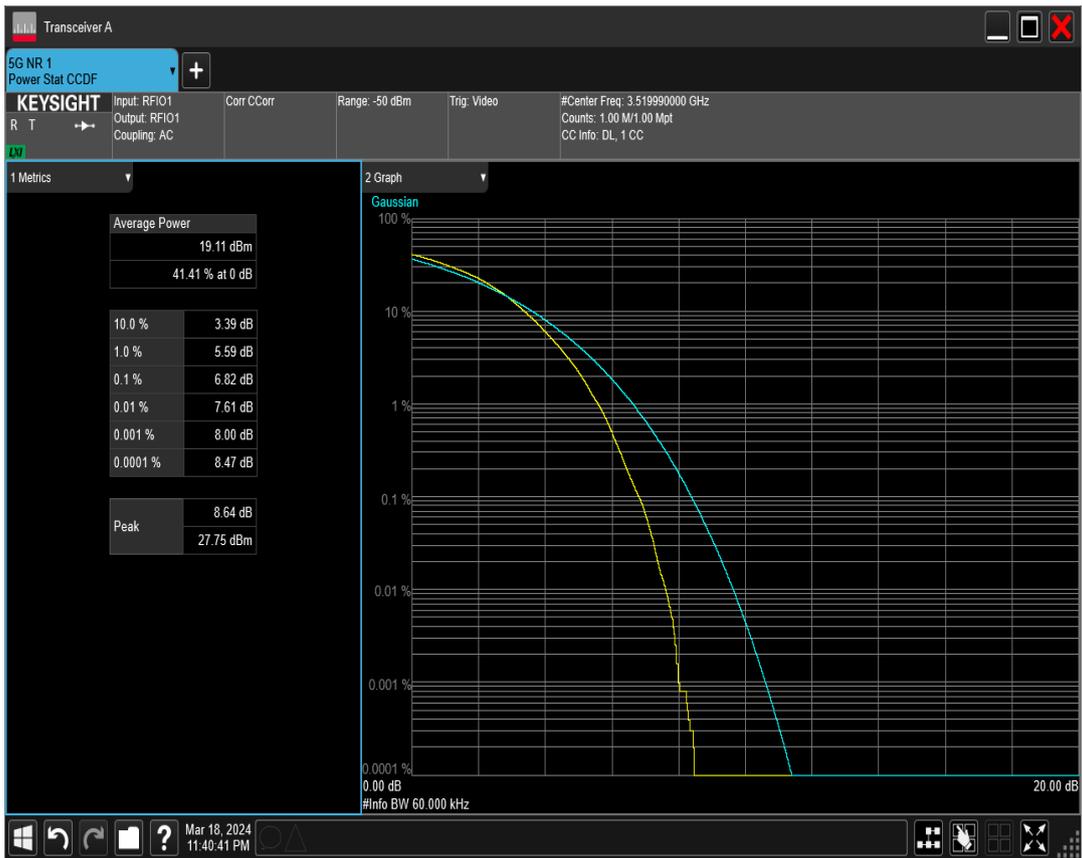n77(3450-3550) SCS=30kHz DFT_QPSK BW=80MHz Channel=634000 RB=216@0

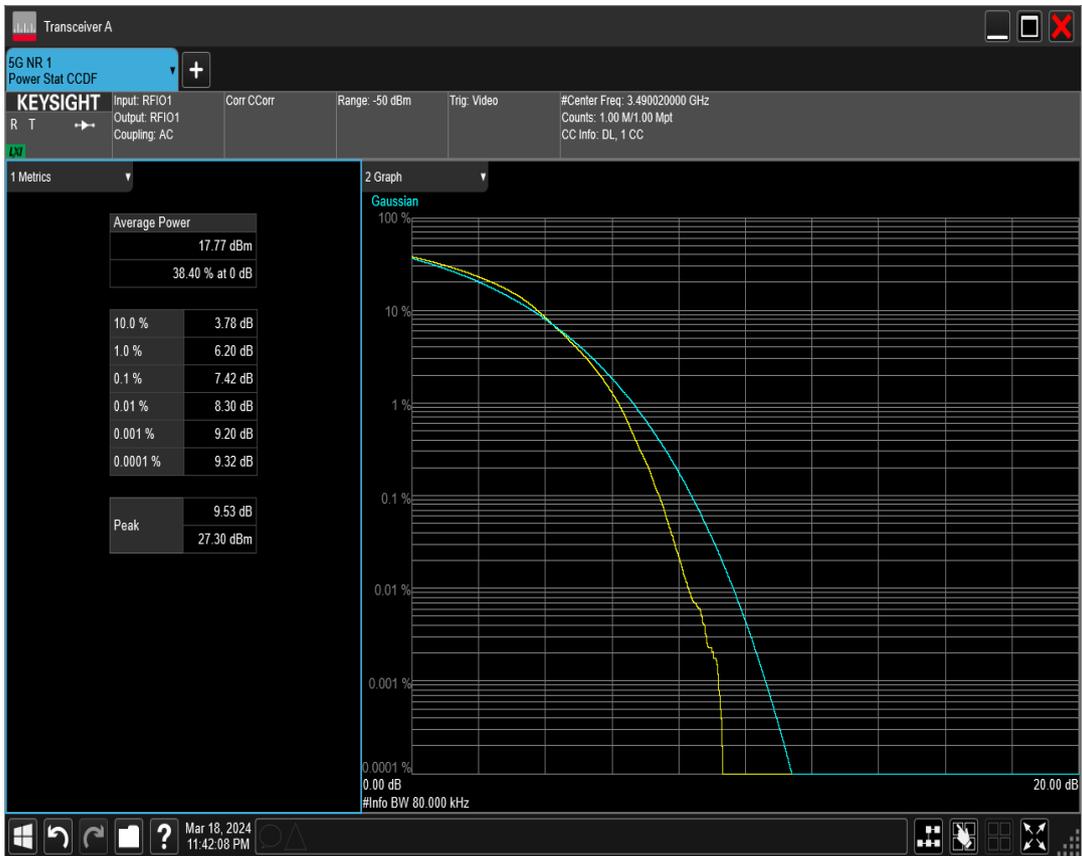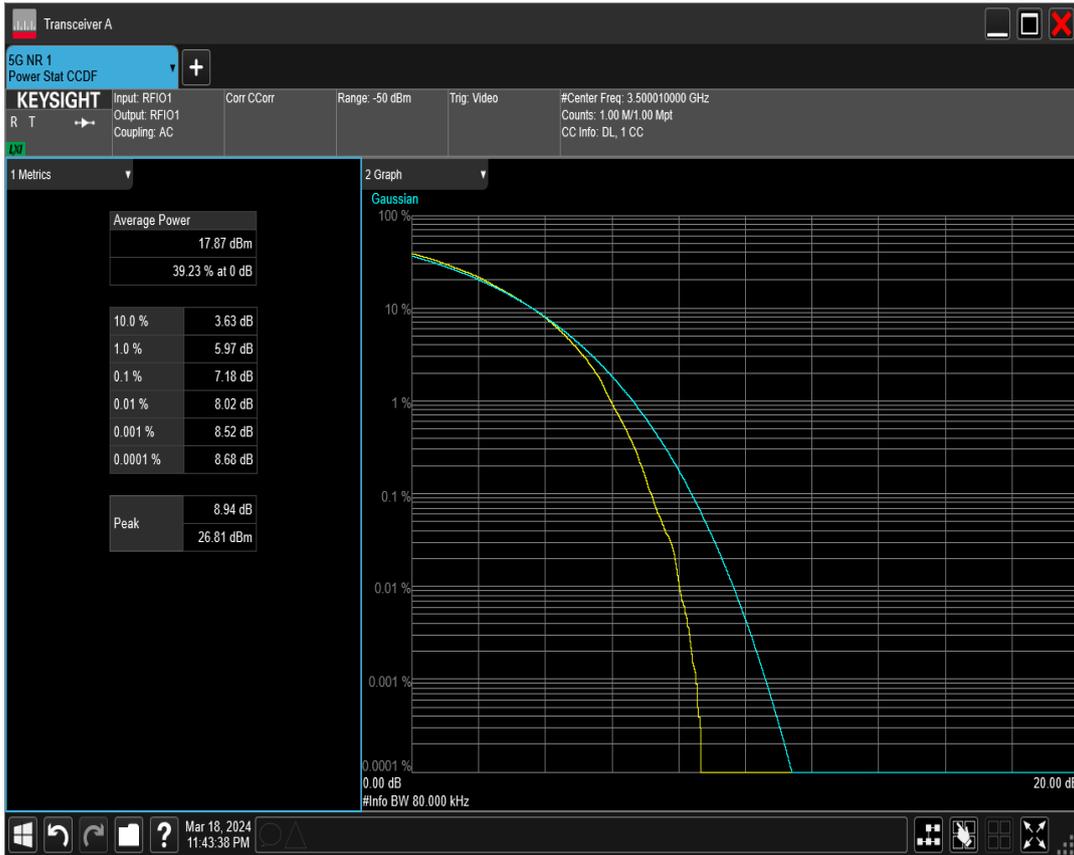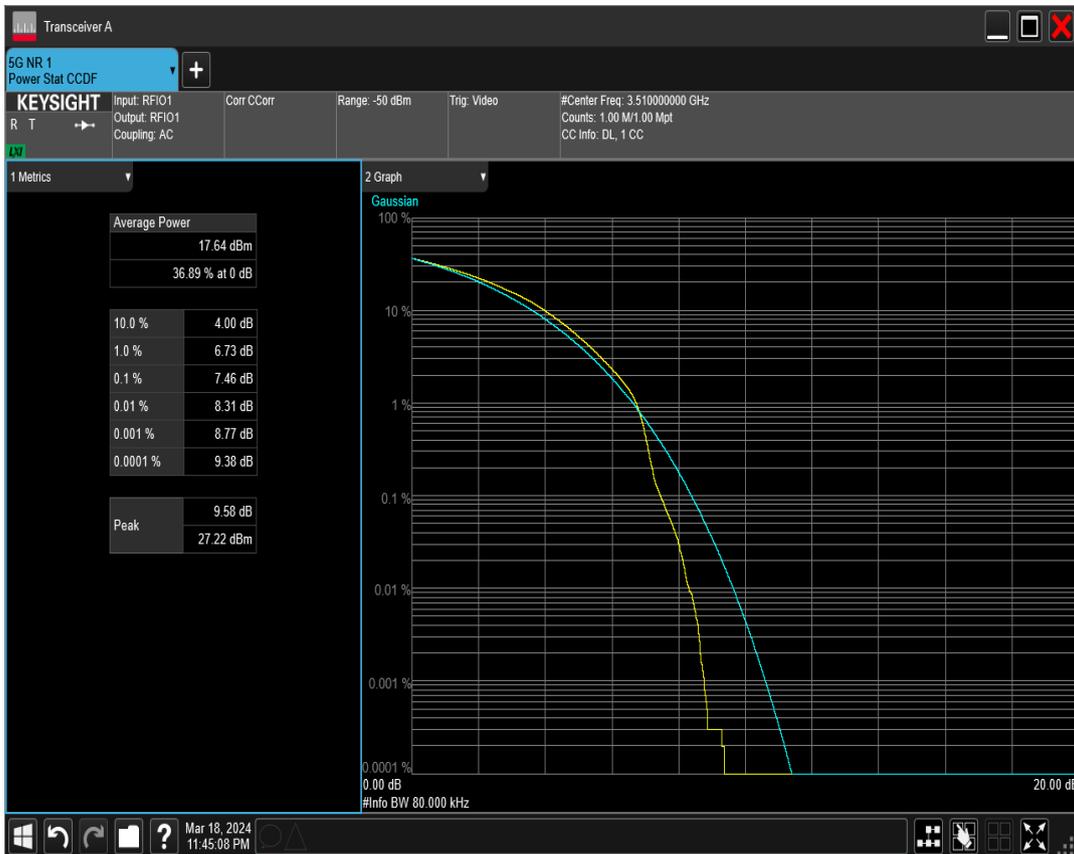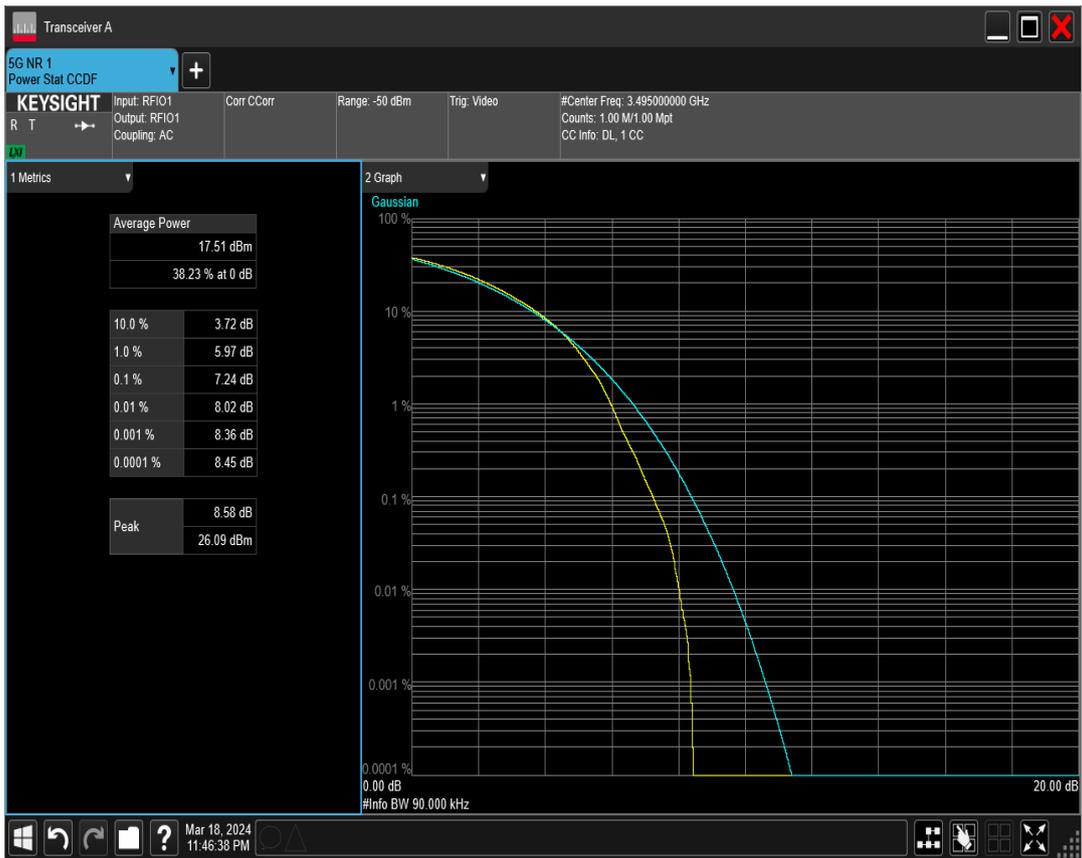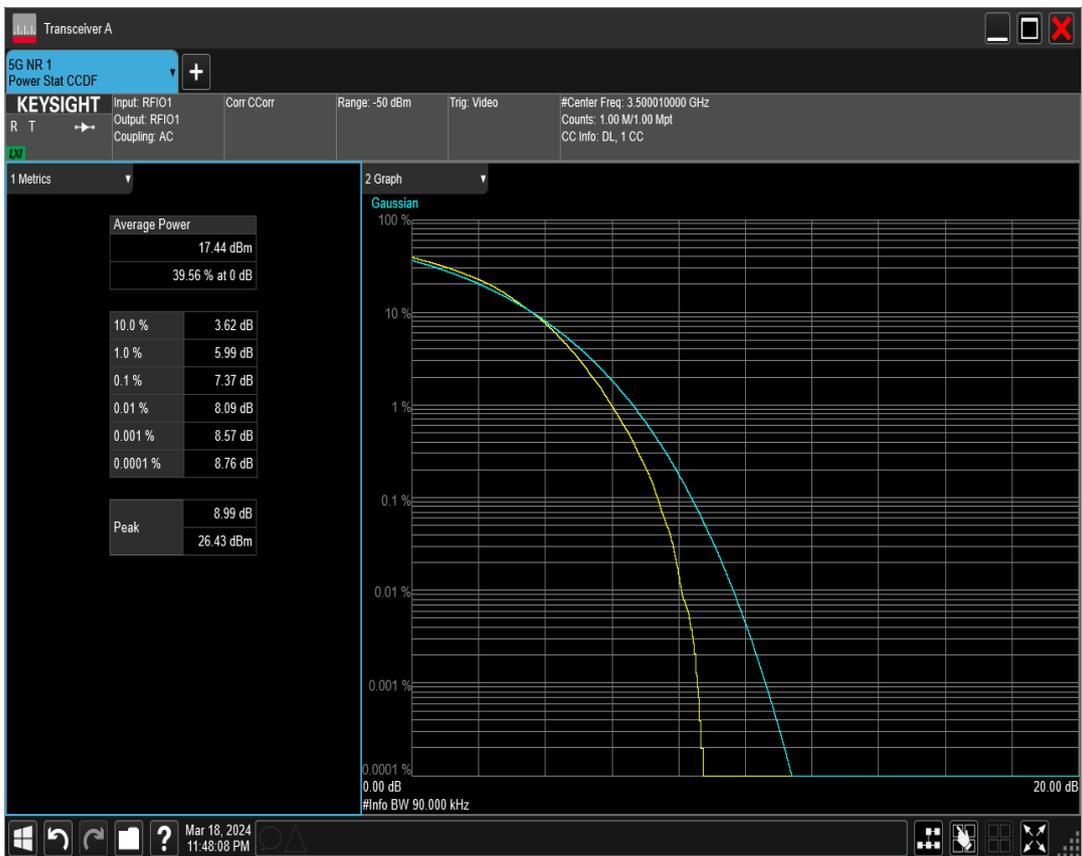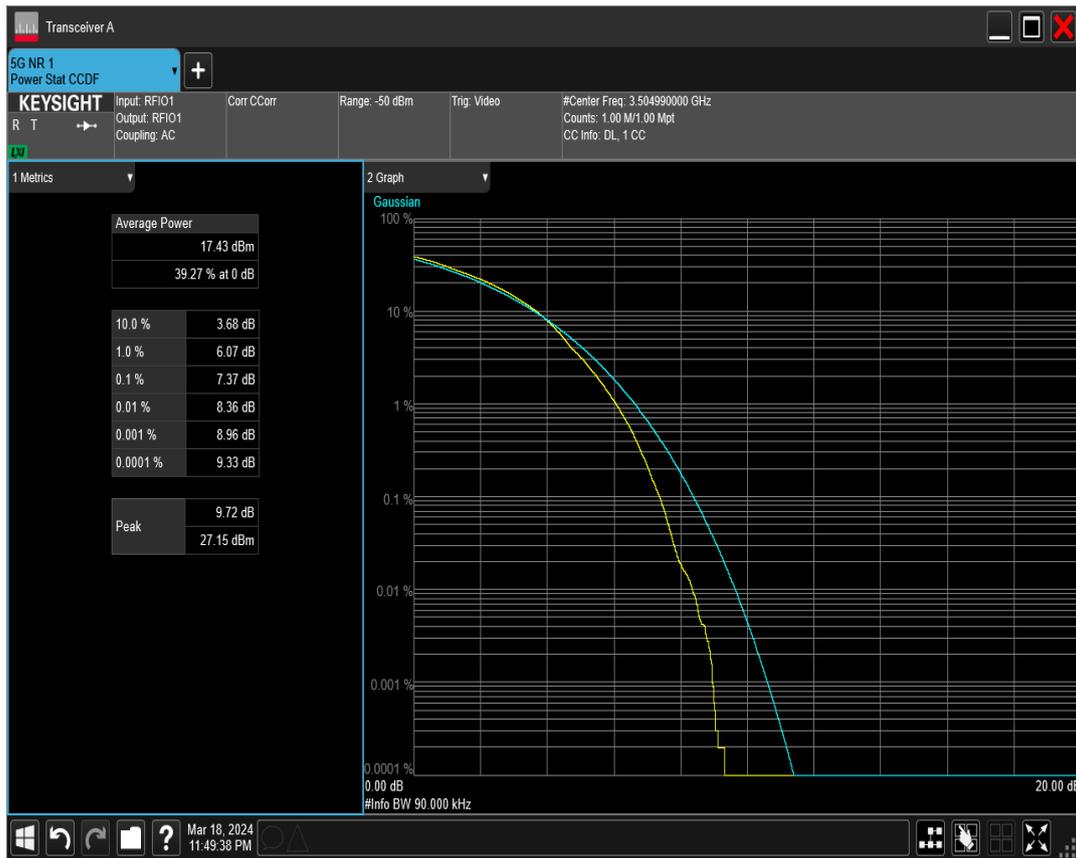n77(3450-3550) SCS=30kHz DFT_QPSK BW=90MHz Channel=633000 RB=240@0

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

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	8.560	8.850	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_QPSK	8.560	8.970	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_QAM16	8.570	8.920	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_QAM64	8.550	8.980	PASS
n77(3450-3550)	30	10	633334	24@0	DFT_QAM256	8.560	8.960	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_BPSK	13.390	13.290	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_QPSK	13.500	13.170	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_QAM16	13.480	13.270	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_QAM64	13.460	13.350	PASS
n77(3450-3550)	30	15	633334	36@0	DFT_QAM256	13.450	13.250	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_BPSK	18.040	18.180	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_QPSK	18.040	18.300	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_QAM16	18.080	18.270	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_QAM64	18.030	18.250	PASS
n77(3450-3550)	30	20	633334	50@0	DFT_QAM256	18.000	18.300	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_BPSK	27.530	27.360	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_QPSK	27.540	27.300	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_QAM16	27.650	27.250	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_QAM64	27.570	27.360	PASS
n77(3450-3550)	30	30	633334	75@0	DFT_QAM256	27.650	27.320	PASS

n77(3450-3550)	30	40	633334	100@0	DFT_BPSK	37.400	36.300	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_QPSK	37.500	36.360	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_QAM16	37.520	36.330	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_QAM64	37.550	36.270	PASS
n77(3450-3550)	30	40	633334	100@0	DFT_QAM256	37.500	36.310	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_BPSK	47.010	46.570	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_QPSK	47.150	46.440	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_QAM16	47.020	46.420	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_QAM64	47.020	46.440	PASS
n77(3450-3550)	30	50	633334	128@0	DFT_QAM256	46.900	46.360	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_BPSK	57.700	58.570	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QPSK	57.640	58.630	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QAM16	57.790	58.680	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QAM64	57.690	58.660	PASS
n77(3450-3550)	30	60	633334	162@0	DFT_QAM256	57.680	58.610	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_BPSK	76.930	78.050	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QPSK	76.940	78.070	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QAM16	76.940	77.980	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QAM64	76.940	78.020	PASS
n77(3450-3550)	30	80	633334	216@0	DFT_QAM256	76.930	78.000	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_BPSK	86.310	86.760	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QPSK	86.310	86.710	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QAM16	86.420	86.760	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QAM64	86.430	86.720	PASS
n77(3450-3550)	30	90	633334	240@0	DFT_QAM256	86.290	86.670	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_BPSK	96.420	97.480	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QPSK	96.170	97.520	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QAM16	96.290	97.530	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QAM64	96.300	97.500	PASS
n77(3450-3550)	30	100	633334	270@0	DFT_QAM256	96.280	97.550	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=15MHz Channel=633334 RB=36@0

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

n77(3450-3550) SCS=30kHz DFT_QAM64 BW=30MHz Channel=633334 RB=75@0

n77(3450-3550) SCS=30kHz DFT_QAM64 BW=40MHz Channel=633334 RB=100@0

n77(3450-3550) SCS=30kHz DFT_QAM64 BW=50MHz Channel=633334 RB=128@0

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

n77(3450-3550) SCS=30kHz DFT_QAM64 BW=80MHz Channel=633334 RB=216@0

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

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

n77(3450-3550) SCS=30kHz DFT_QPSK BW=10MHz Channel=633334 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=20MHz Channel=633334 RB=50@0

n77(3450-3550) SCS=30kHz DFT_QPSK BW=30MHz Channel=633334 RB=75@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=633334 RB=162@0

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

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