

NR n77(78)(3450~3550 MHz)_70 M_Band Edge_High_PI/2 BPSK_1RB(2)



NR n77(78)(3450~3550 MHz)_70 M_Band Edge_High_PI/2 BPSK_FullRB(3)



NR n77(78)(3450~3550 MHz)_70 M_Band Edge_High_PI/2 BPSK_1RB(3)



NR n77(78)(3450~3550 MHz)_80 M_Band Edge_Low_PI/2 BPSK_FullRB(1)



NR n77(78)(3450~3550 MHz)_80 M_Band Edge_Low_PI/2 BPSK_1RB(1)



NR n77(78)(3450~3550 MHz)_80 M_Band Edge_Low_PI/2 BPSK_FullRB(2)



NR n77(78)(3450~3550 MHz)_80 M_Band Edge_Low_PI/2 BPSK_1RB(2)



NR n77(78)(3450~3550 MHz)_80 M_Band Edge_Low_PI/2 BPSK_FullRB(3)



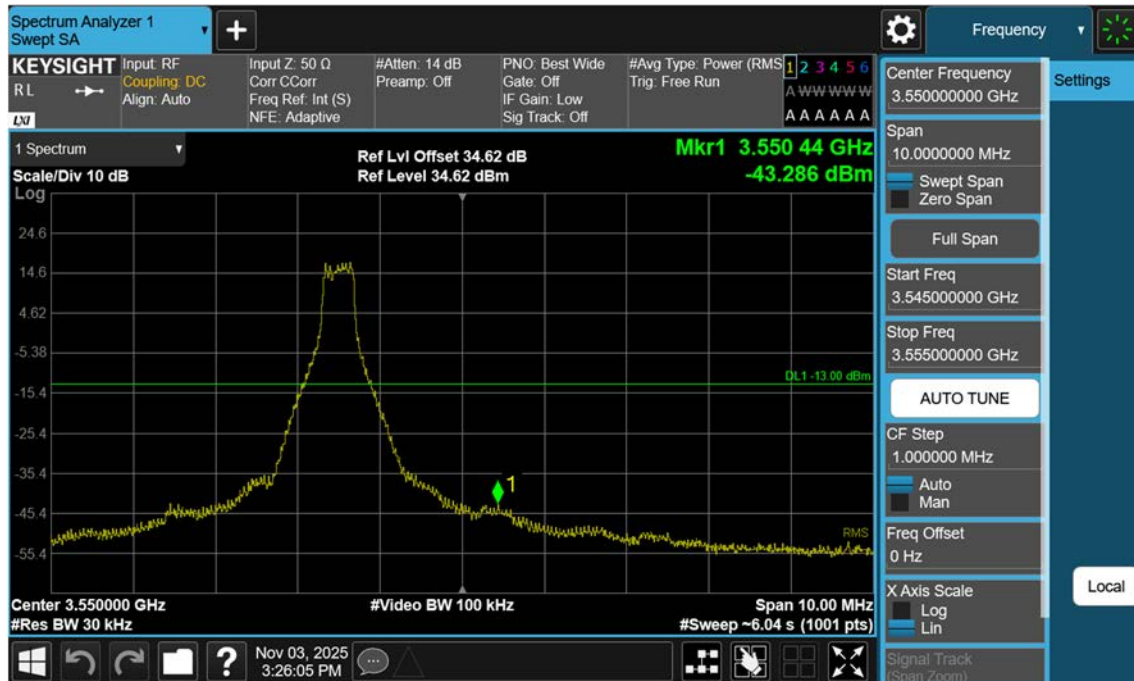
NR n77(78)(3450~3550 MHz)_80 M_Band Edge_Low_PI/2 BPSK_1RB(3)



NR n77(78)(3450~3550 MHz)_80 M_Band Edge_High_PI/2 BPSK_FullRB(1)



NR n77(78)(3450~3550 MHz)_80 M_Band Edge_High_PI/2 BPSK_1RB(1)



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NR n77(78)(3450~3550 MHz)_90 M_Band Edge_Low_PI/2 BPSK_FullRB(1)



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NR n77(78)(3450~3550 MHz)_90 M_Band Edge_Low_PI/2 BPSK_FullRB(2)



NR n77(78)(3450~3550 MHz)_90 M_Band Edge_Low_PI/2 BPSK_1RB(2)



NR n77(78)(3450~3550 MHz)_90 M_Band Edge_Low_PI/2 BPSK_FullRB(3)



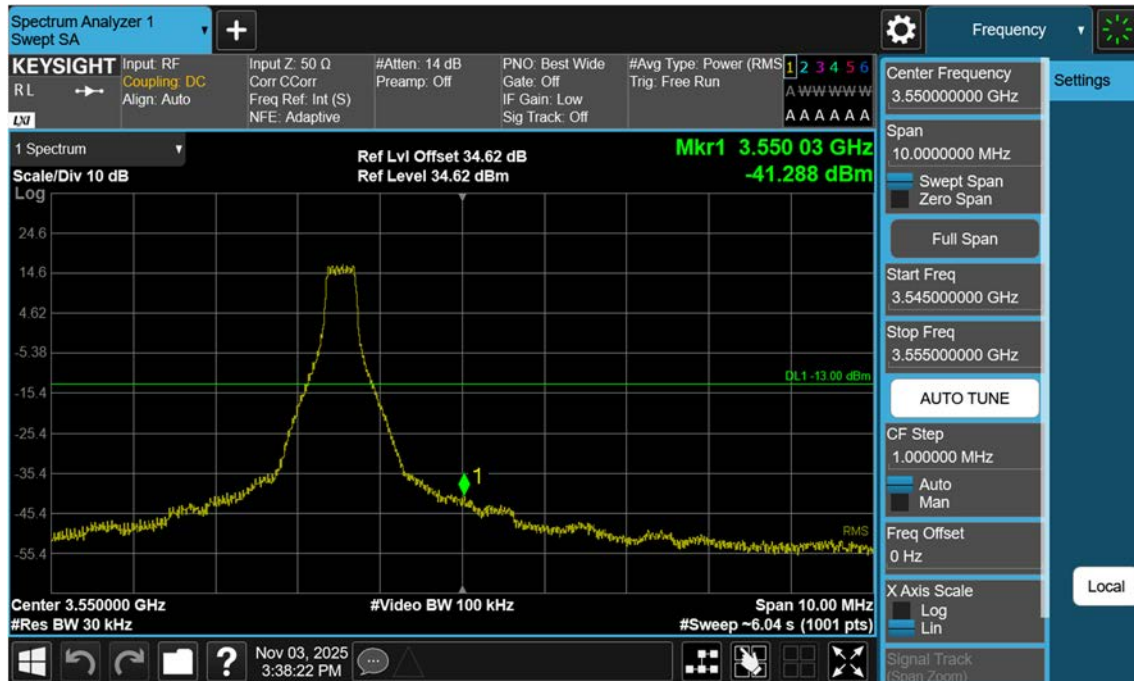
NR n77(78)(3450~3550 MHz)_90 M_Band Edge_Low_PI/2 BPSK_1RB(3)



NR n77(78)(3450~3550 MHz)_90 M_Band Edge_High_PI/2 BPSK_FullRB(1)



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NR n77(78)(3450~3550 MHz)_90 M_Band Edge_High_PI/2 BPSK_FullRB(3)



NR n77(78)(3450~3550 MHz)_90 M_Band Edge_High_PI/2 BPSK_1RB(3)



NR n77(78)(3450~3550 MHz)_100 M_Band Edge_Low_PI/2 BPSK_FullIRB(1)



NR n77(78)(3450~3550 MHz)_100 M_Band Edge_Low_PI/2 BPSK_1RB(1)



NR n77(78)(3450~3550 MHz)_100 M_Band Edge_Low_PI/2 BPSK_FullIRB(2)



Spectrum Analyzer 1
Swept SA

KEYSIGHT Input: RF Coupling: DC Align: Auto

Input Z: 50 Ω Corr: C Corr Freq Ref: Int (S) NFE: Adaptive

#Atten: 14 dB Preamp: Off

PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off

#Avg Type: Power (RMS) Trg: Free Run

1 2 3 4 5 6 A A A A A A

Center Frequency 3.447000000 GHz

Span 4.000000000 MHz

Swept Span Zero Span Full Span

Start Freq 3.445000000 GHz

Stop Freq 3.449000000 GHz

AUTO TUNE

CF Step 400.000 kHz

Auto Man

Freq Offset 0 Hz

X Axis Scale Log Lin

Signal Track (Span, Z, norm)

1 Spectrum

Scale/Div 10 dB

Log

Ref Lvl Offset 34.62 dB

Ref Level 34.62 dBm

Mkr1 3.448 984 GHz -35.415 dBm

DL1 -13.00 dBm

Start 3.445000 GHz #Res BW 510 kHz

#Video BW 2.0 MHz

Stop 3.449000 GHz #Sweep ~6.03 s (1001 pts)

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NR n77(78)(3450~3550 MHz)_100 M_Band Edge_Low_PI/2 BPSK_FullIRB(3)



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NR n77(78)(3450~3550 MHz)_100 M_Band Edge_High_PI/2 BPSK_FullIRB(1)



NR n77(78)(3450~3550 MHz)_100 M_Band Edge_High_PI/2 BPSK_1RB(1)



NR n77(78)(3450~3550 MHz)_100 M_Band Edge_High_PI/2 BPSK_FullIRB(2)



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NR n77(78)(3450~3550 MHz)_100 M_Band Edge_High_PI/2 BPSK_FullIRB(3)



NR n77(78)(3450~3550 MHz)_100 M_Band Edge_High_PI/2 BPSK_1RB(3)

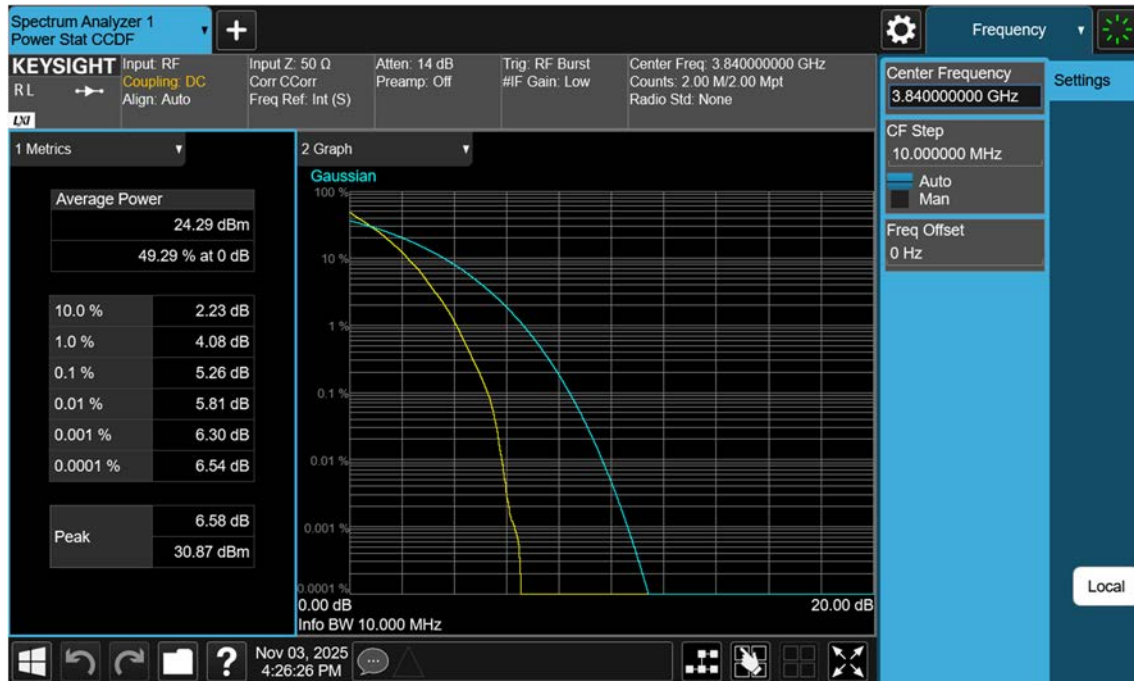


11. TEST PLOTS(3700 MHz - 3980 MHz)

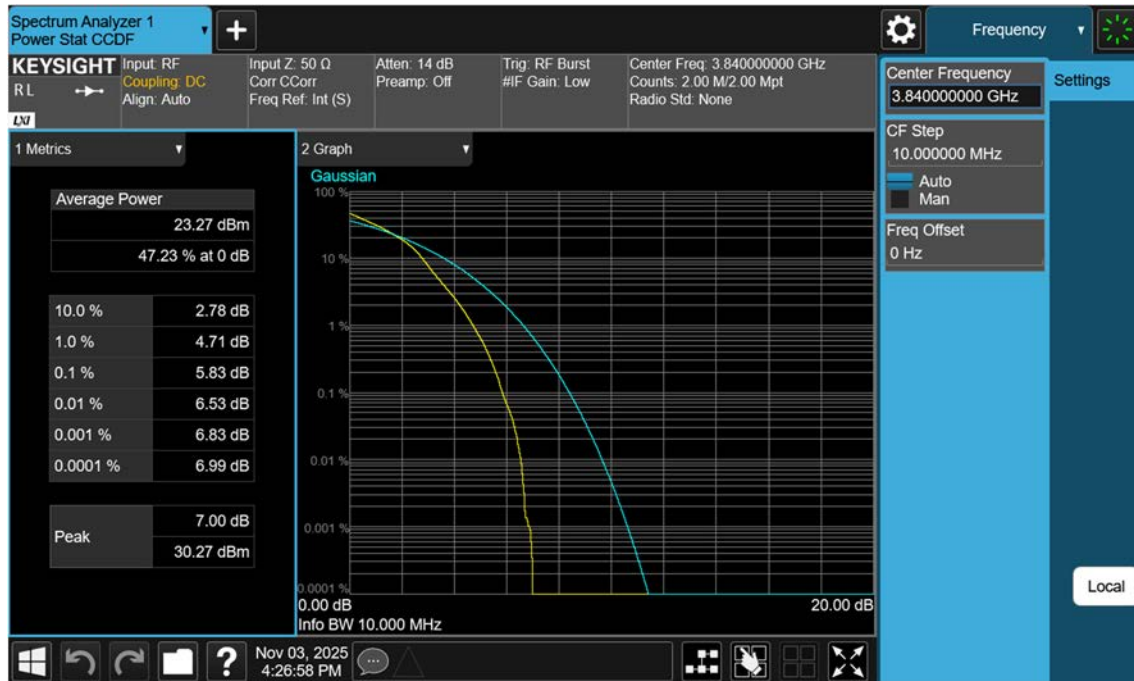
NR n77(78)(3700~3980 MHz)_10 M_PAR_Mid_PI/2 BPSK_FullIRB



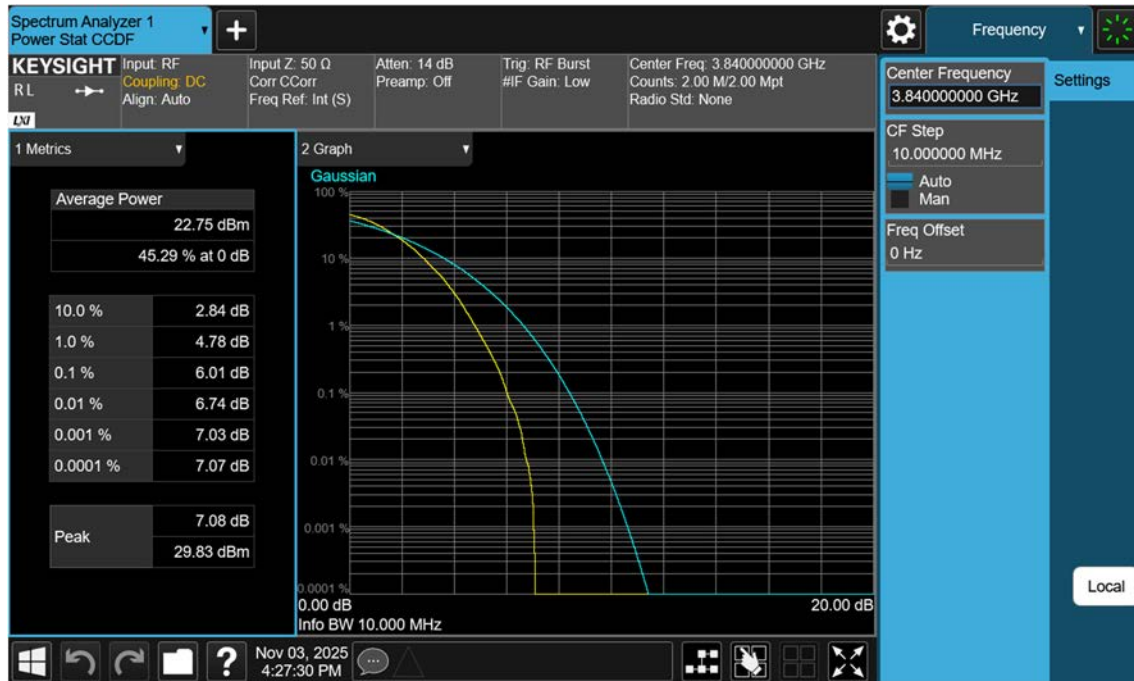
NR n77(78)(3700~3980 MHz)_10 M_PAR_Mid_QPSK_FullRB



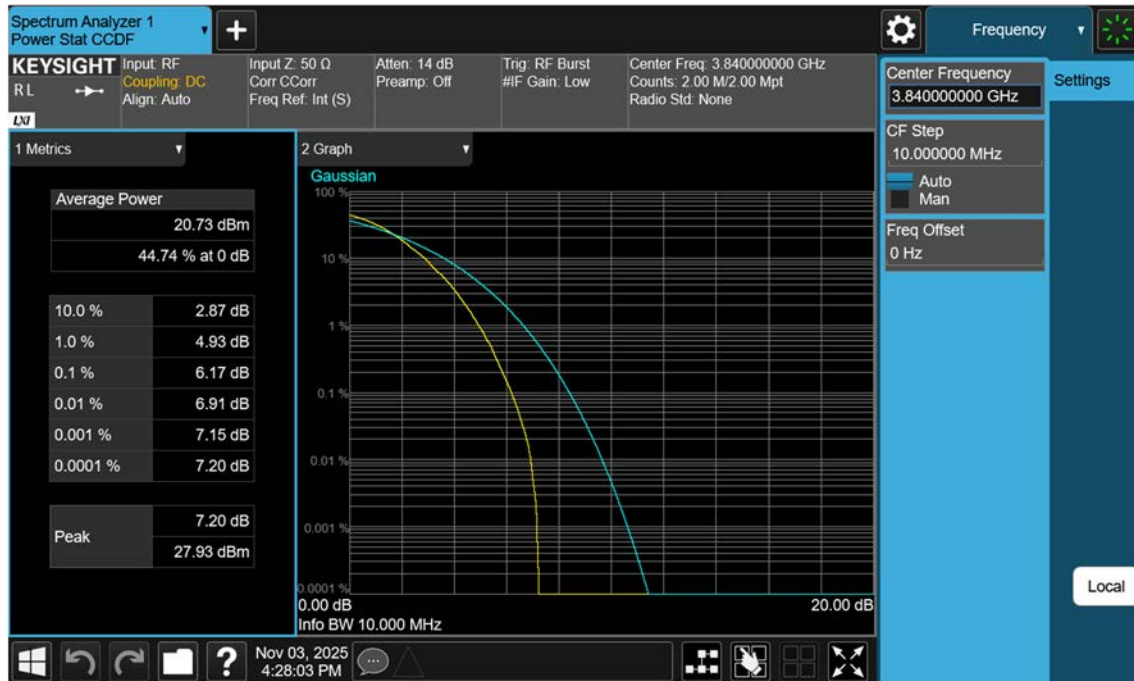
NR n77(78)(3700~3980 MHz)_10 M_PAR_Mid_16QAM_FullRB



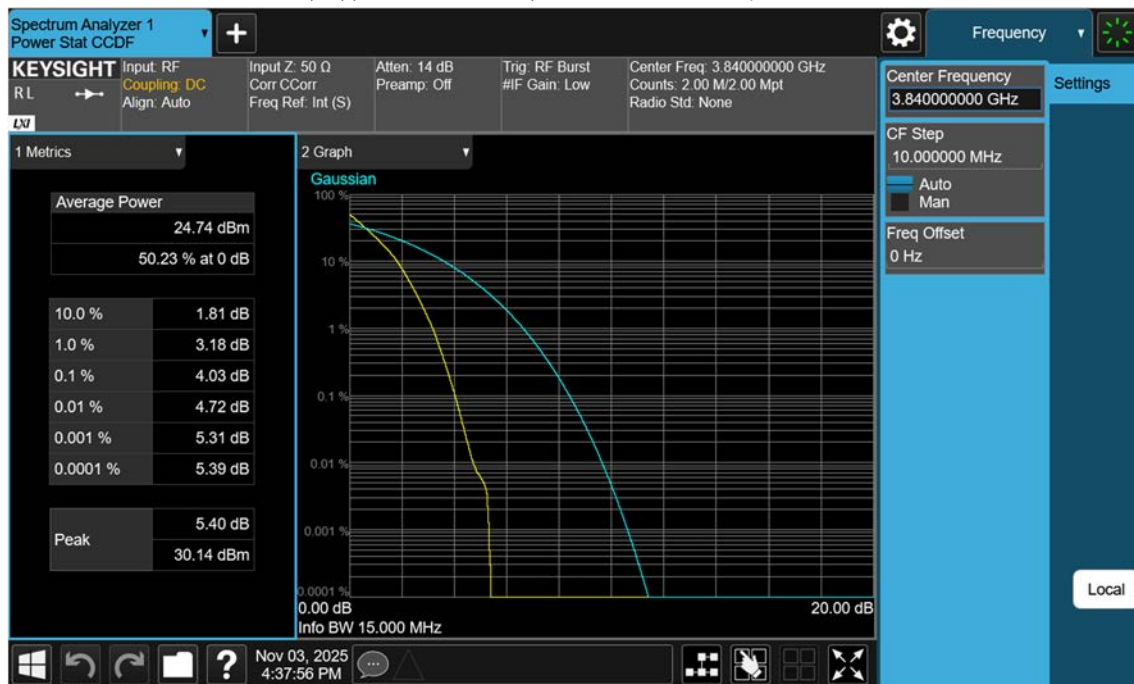
NR n77(78)(3700~3980 MHz)_10 M_PAR_Mid_64QAM_FullRB



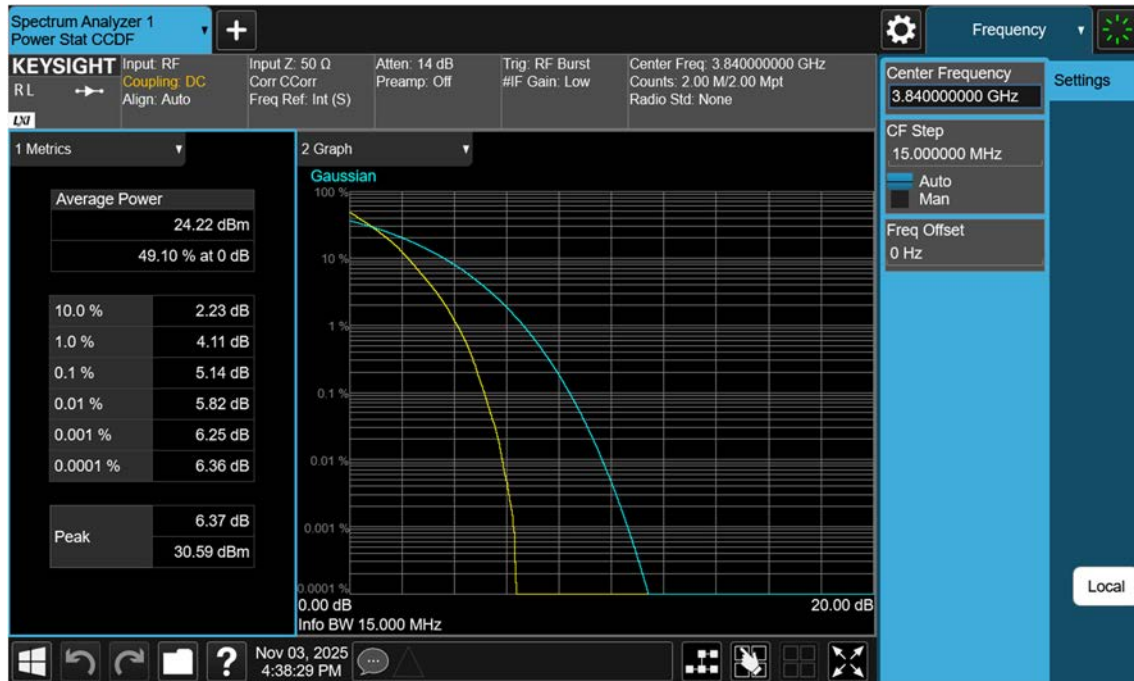
NR n77(78)(3700~3980 MHz)_10 M_PAR_Mid_256QAM_FullRB



NR n77(78)(3700~3980 MHz)_15 M_PAR_Mid_PI/2 BPSK_FullIRB



NR n77(78)(3700~3980 MHz)_15 M_PAR_Mid_QPSK_FullRB



NR n77(78)(3700~3980 MHz)_15 M_PAR_Mid_16QAM_FullRB



NR n77(78)(3700~3980 MHz)_15 M_PAR_Mid_64QAM_FullRB



NR n77(78)(3700~3980 MHz)_15 M_PAR_Mid_256QAM_FullRB



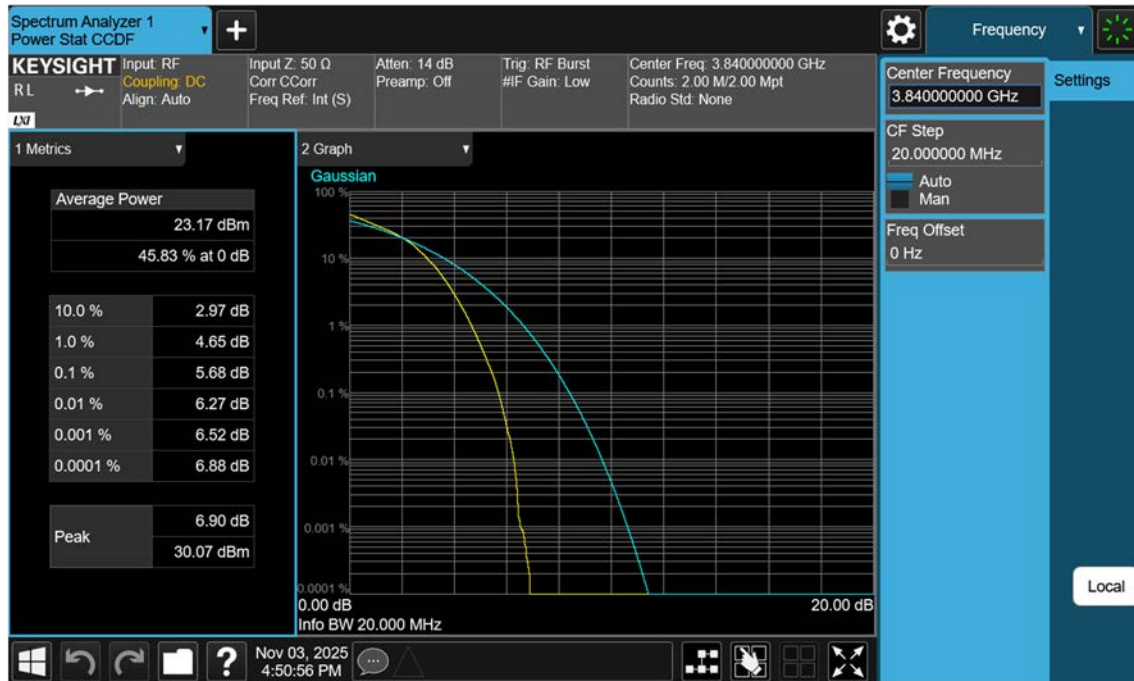
NR n77(78)(3700~3980 MHz)_20 M_PAR_Mid_PI/2 BPSK_FullIRB



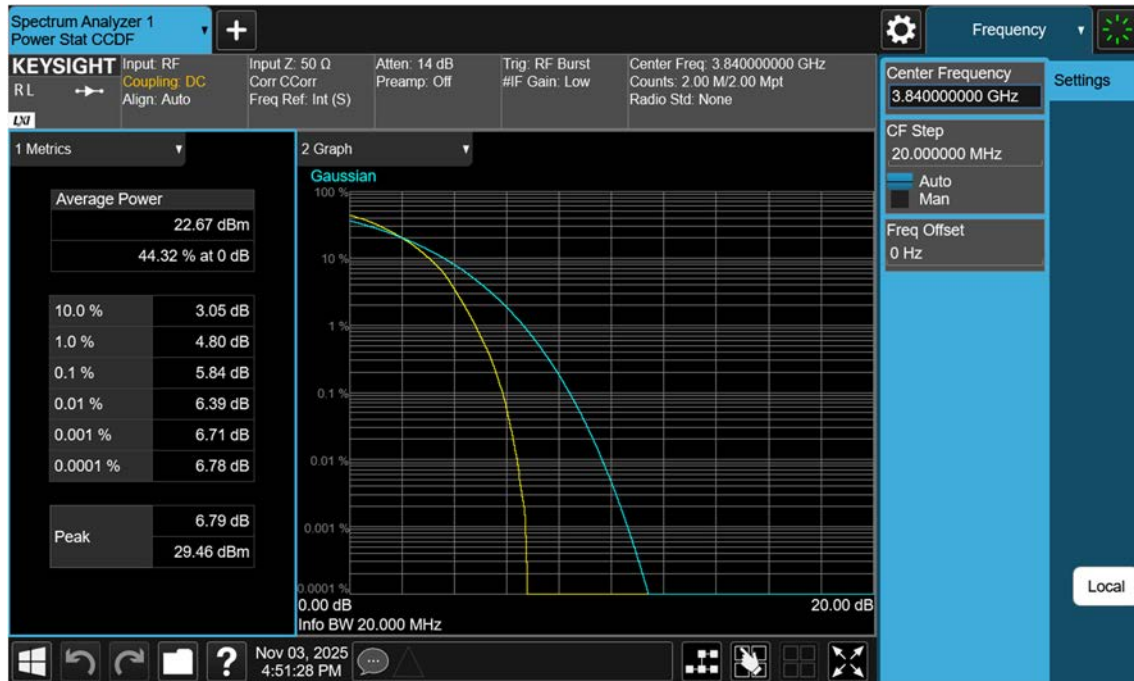
NR n77(78)(3700~3980 MHz)_20 M_PAR_Mid_QPSK_FullRB



NR n77(78)(3700~3980 MHz)_20 M_PAR_Mid_16QAM_FullRB



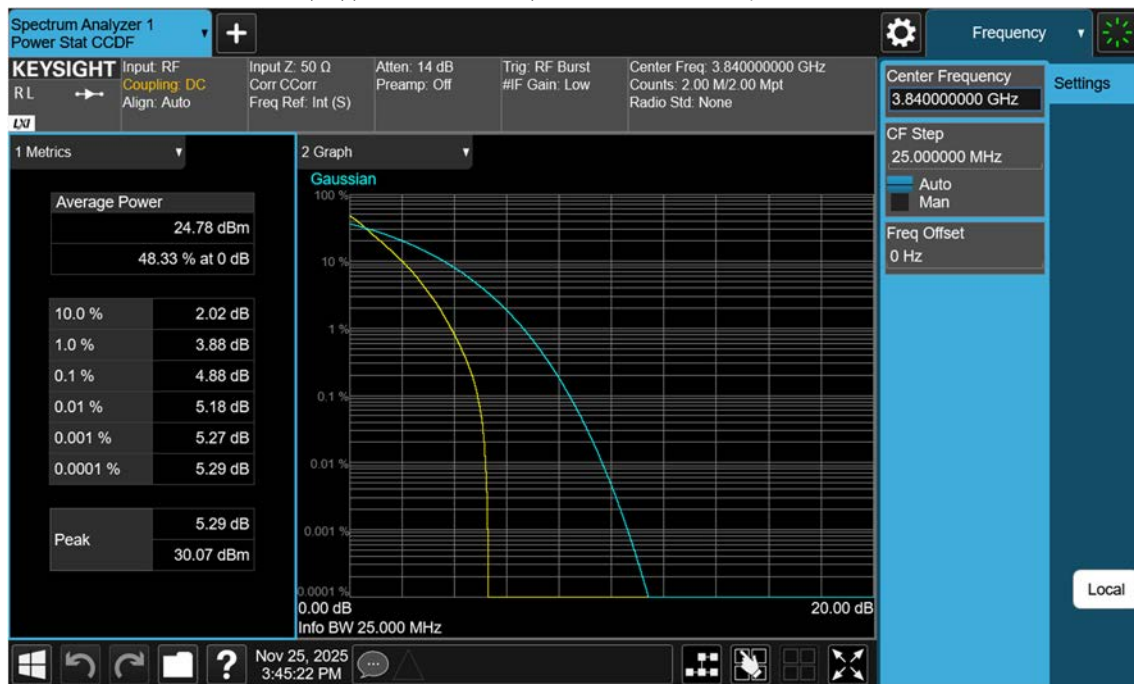
NR n77(78)(3700~3980 MHz)_20 M_PAR_Mid_64QAM_FullRB



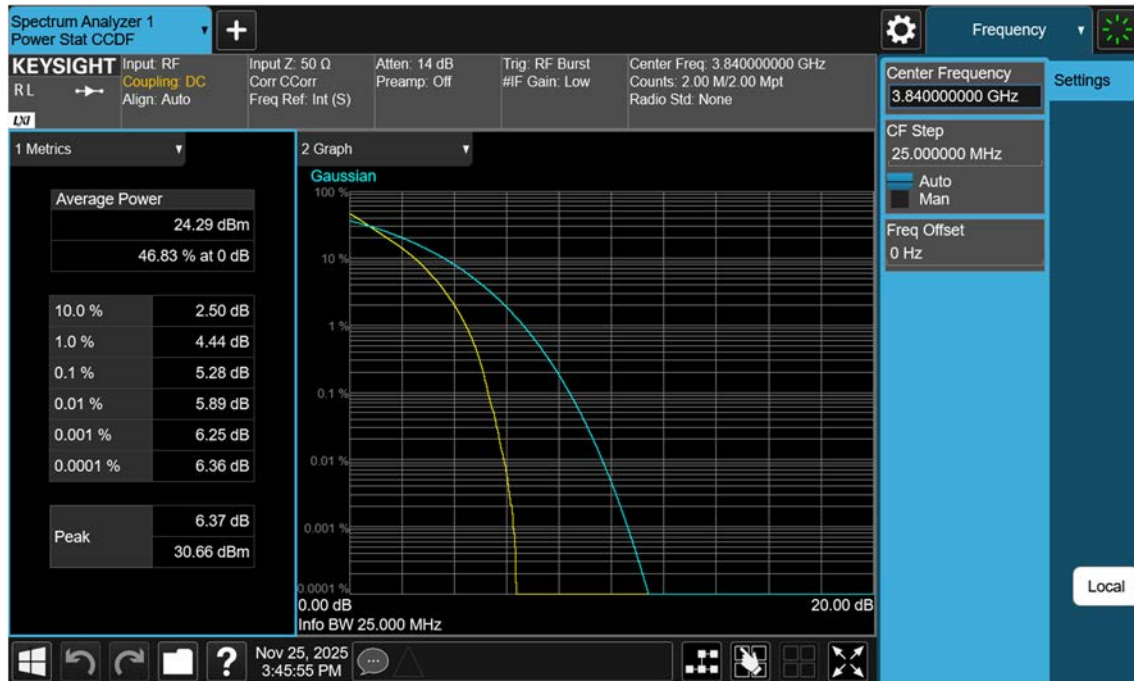
NR n77(78)(3700~3980 MHz)_20 M_PAR_Mid_256QAM_FullRB



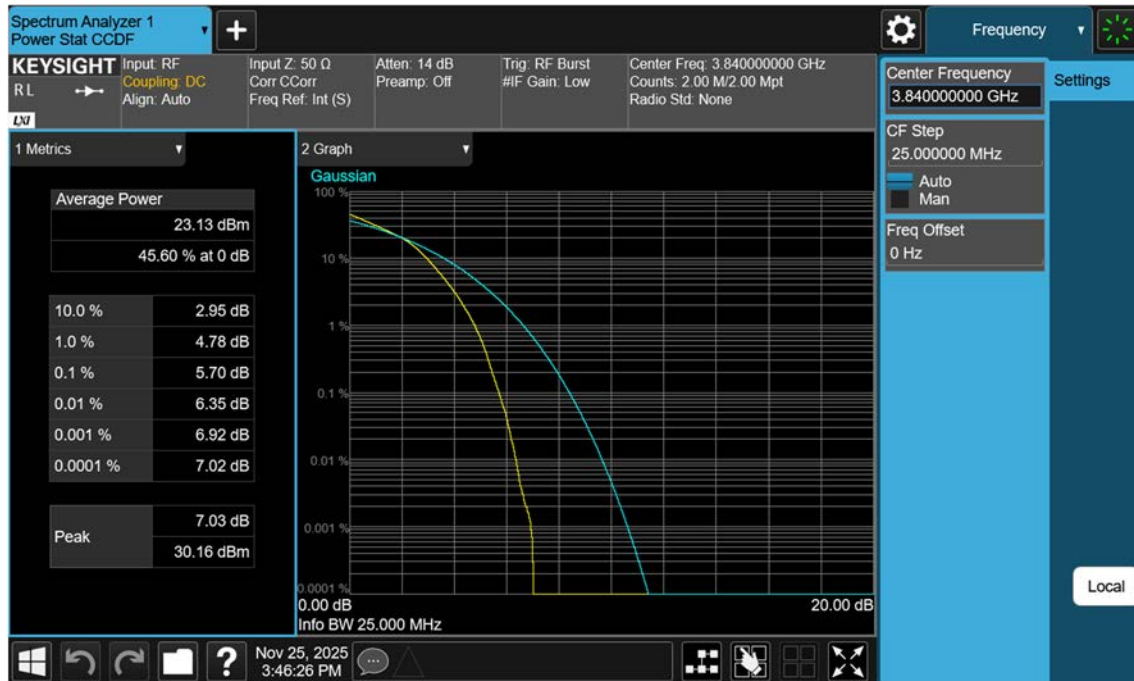
NR n77(78)(3700~3980 MHz)_25 M_PAR_Mid_PI/2 BPSK_FullIRB



NR n77(78)(3700~3980 MHz)_25 M_PAR_Mid_QPSK_FullRB



NR n77(78)(3700~3980 MHz)_25 M_PAR_Mid_16QAM_FullRB



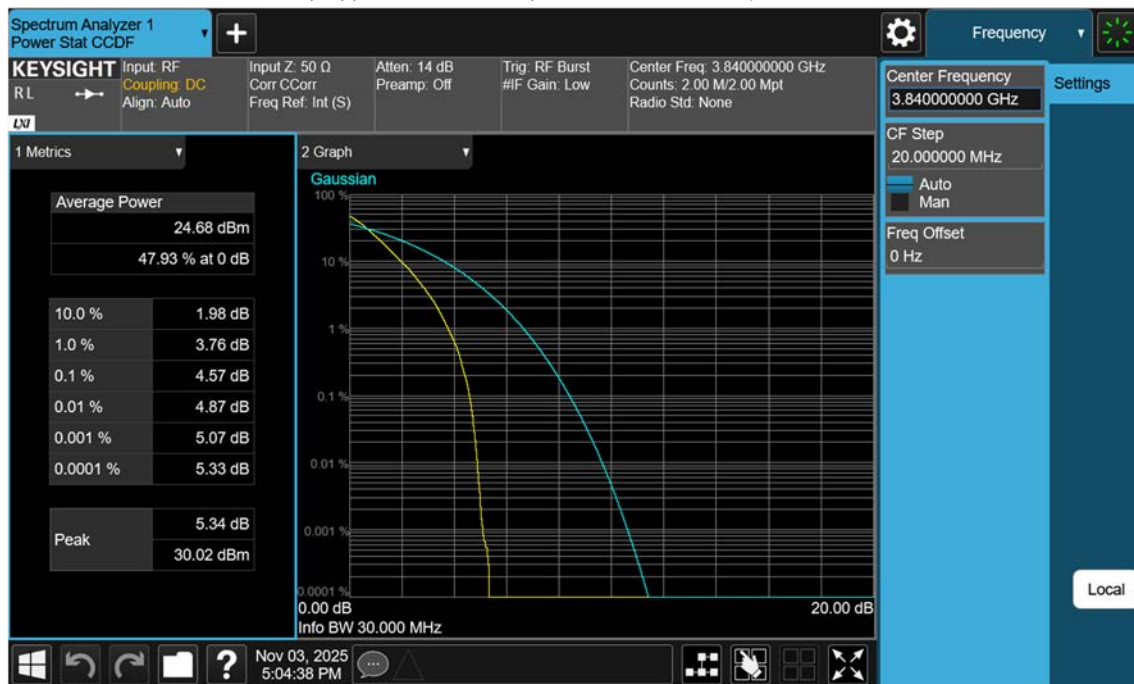
NR n77(78)(3700~3980 MHz)_25 M_PAR_Mid_64QAM_FullRB



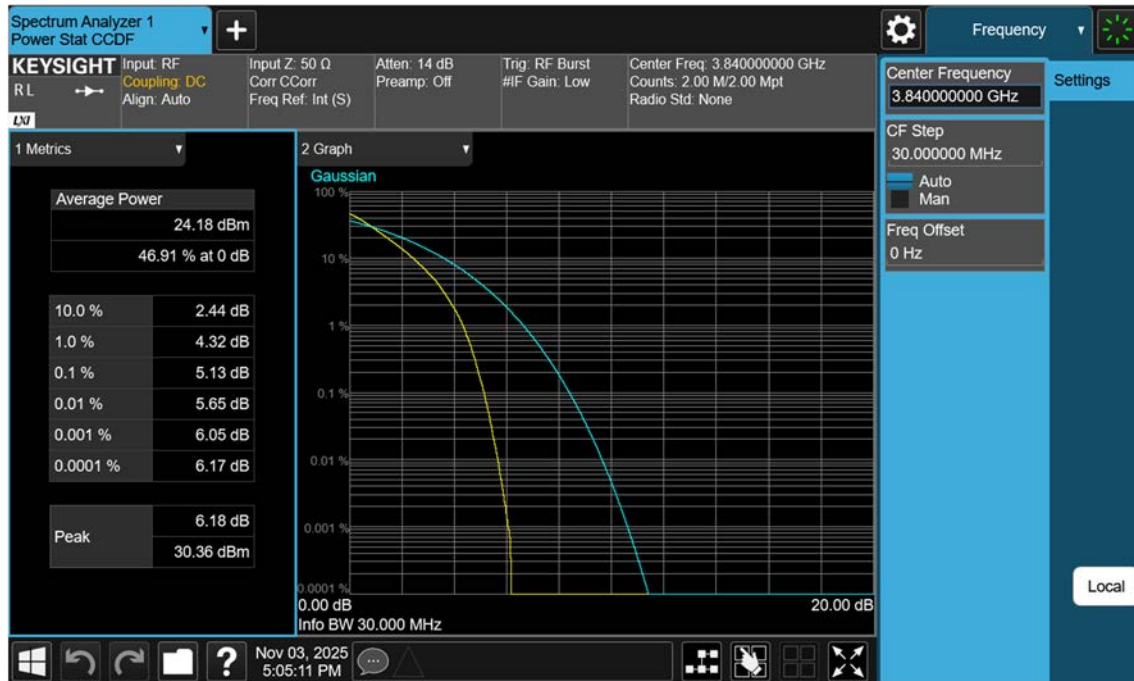
NR n77(78)(3700~3980 MHz)_25 M_PAR_Mid_256QAM_FullRB



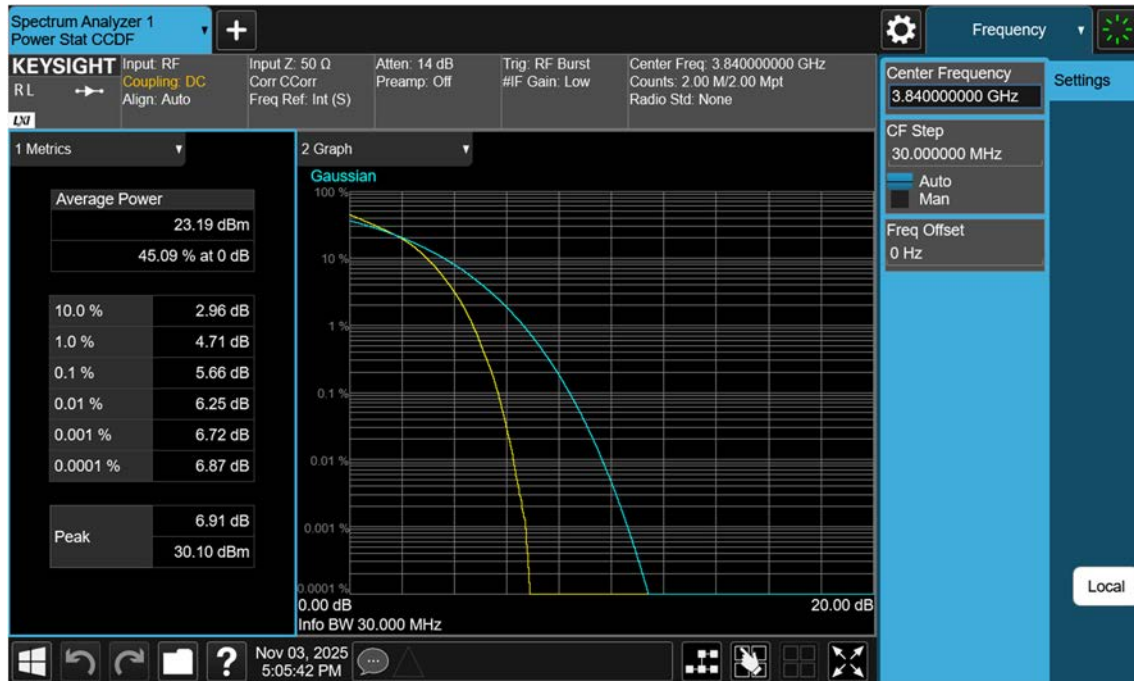
NR n77(78)(3700~3980 MHz)_30 M_PAR_Mid_PI/2 BPSK_FullIRB



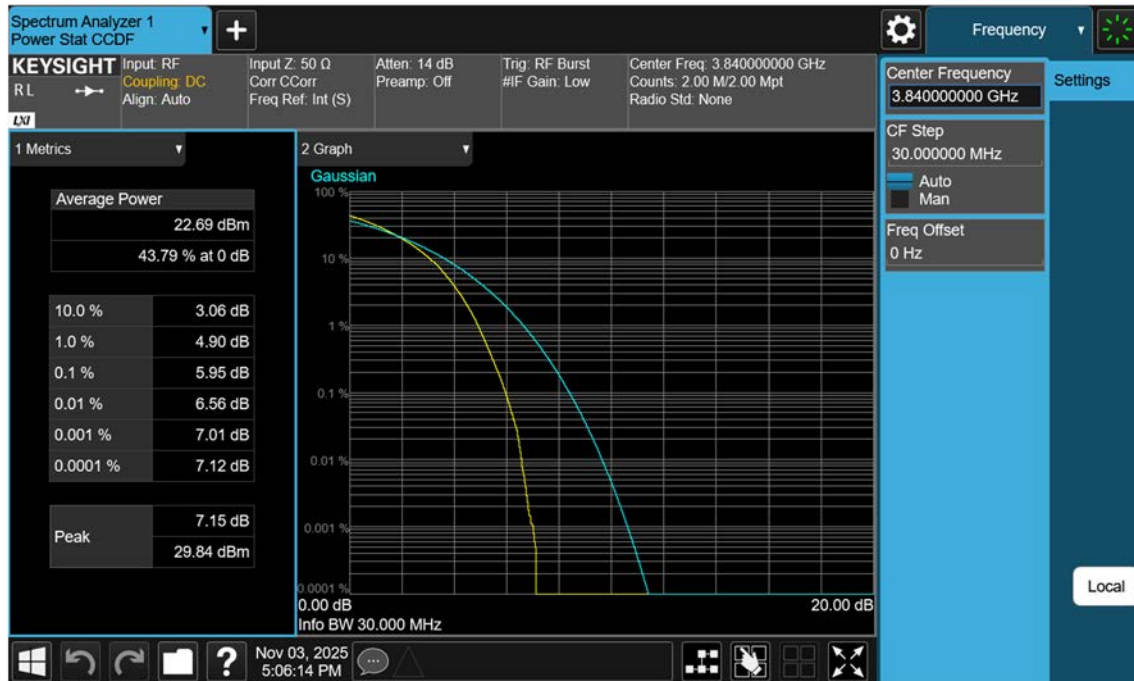
NR n77(78)(3700~3980 MHz)_30 M_PAR_Mid_QPSK_FullRB



NR n77(78)(3700~3980 MHz)_30 M_PAR_Mid_16QAM_FullRB



NR n77(78)(3700~3980 MHz)_30 M_PAR_Mid_64QAM_FullRB



NR n77(78)(3700~3980 MHz)_30 M_PAR_Mid_256QAM_FullRB



Spectrum Analyzer 1
Power Stat CCDF

RL → Coupling: DC
Align: Auto

Input Z: 50 Ω
Corr C/Corr
Freq Ref: Int (S)

Atten: 14 dB
Preamp: Off

Trig: RF Burst
#F Gain: Low

Center Freq: 3.840000000 GHz
Counts: 2.00 M/2.00 Mpt
Radio Std: None

Center Frequency
3.840000000 GHz

CF Step
30.000000 MHz

Auto
Man

Freq Offset
0 Hz

1 Metrics

Average Power

24.66 dBm

49.42 % at 0 dB

10.0 % 1.90 dB

1.0 % 3.35 dB

0.1 % 4.25 dB

0.01 % 4.85 dB

0.001 % 5.24 dB

0.0001 % 5.44 dB

Peak

5.50 dB

30.16 dBm

2 Graph

Gaussian

0.0001 %

0.001 %

0.01 %

0.1 %

1 %

10 %

100 %

0.00 dB

20.00 dB

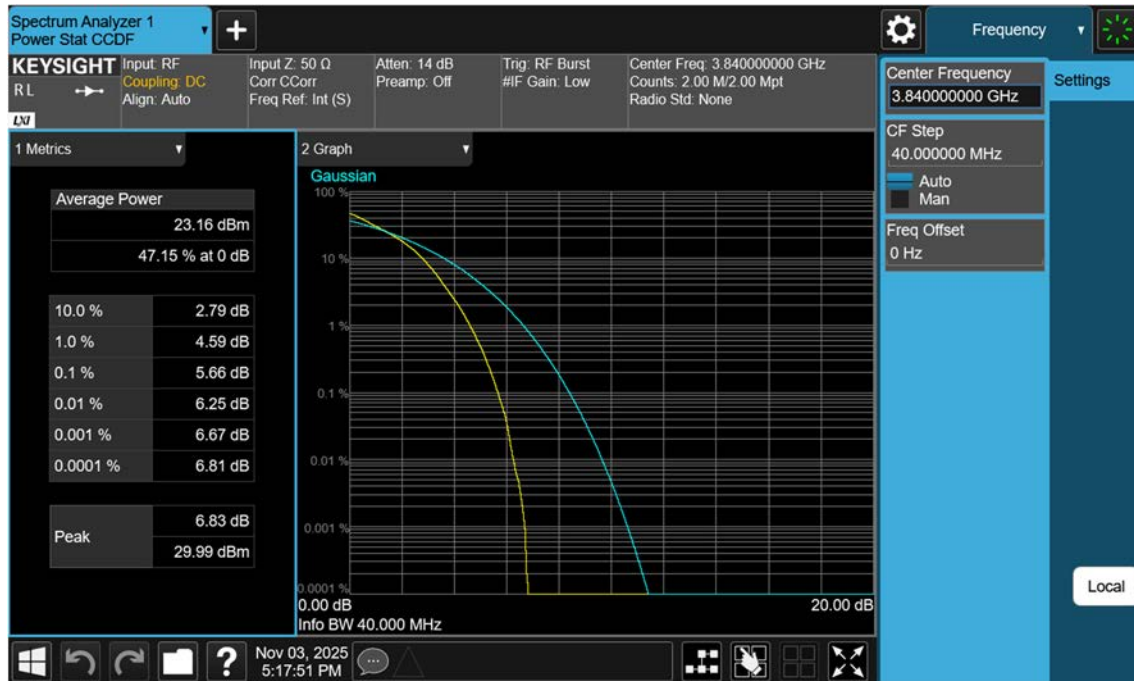
Info BW 40.000 MHz

Local

NR n77(78)(3700~3980 MHz)_40 M_PAR_Mid_QPSK_FullRB



NR n77(78)(3700~3980 MHz)_40 M_PAR_Mid_16QAM_FullRB



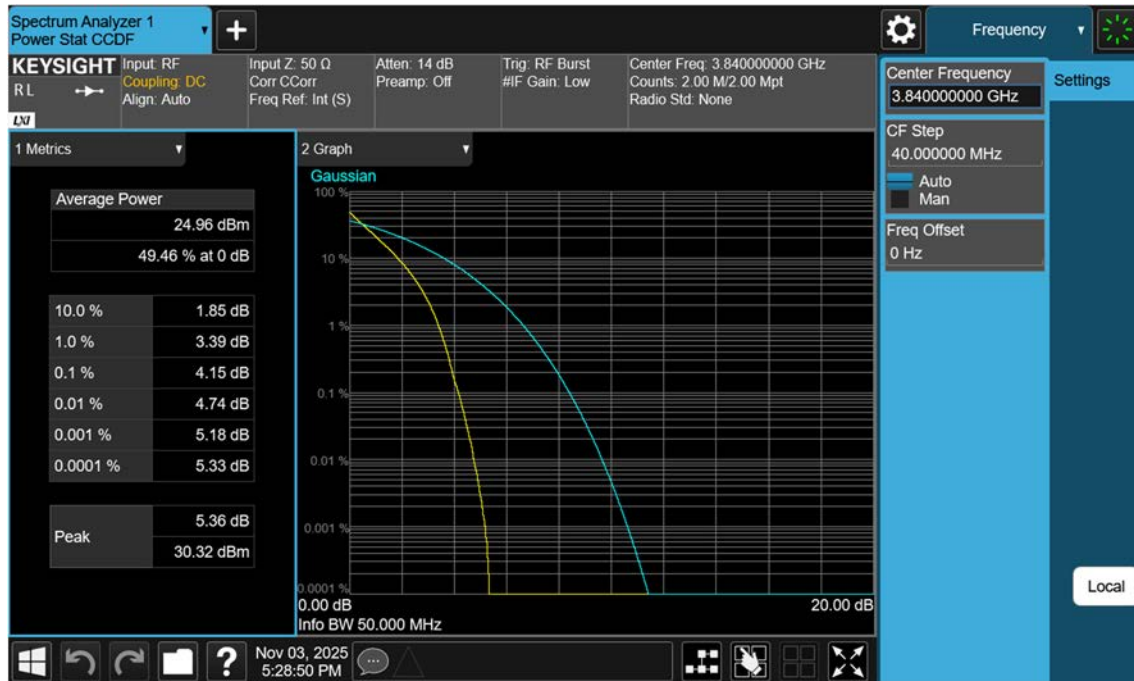
NR n77(78)(3700~3980 MHz)_40 M_PAR_Mid_64QAM_FullRB



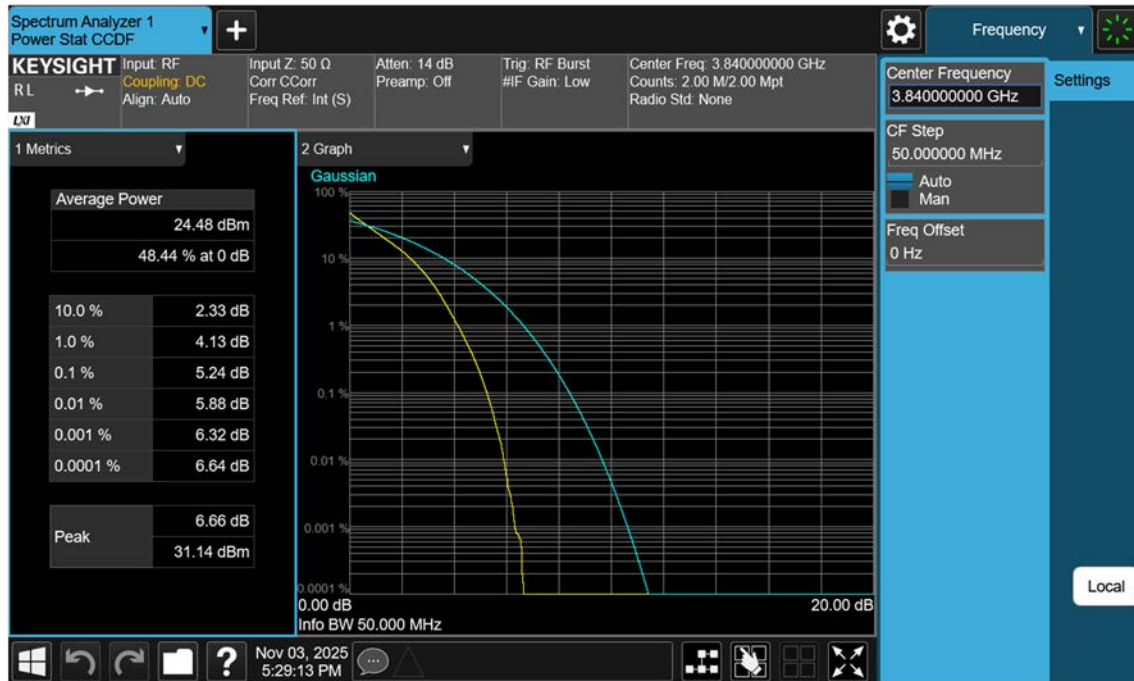
NR n77(78)(3700~3980 MHz)_40 M_PAR_Mid_256QAM_FullRB



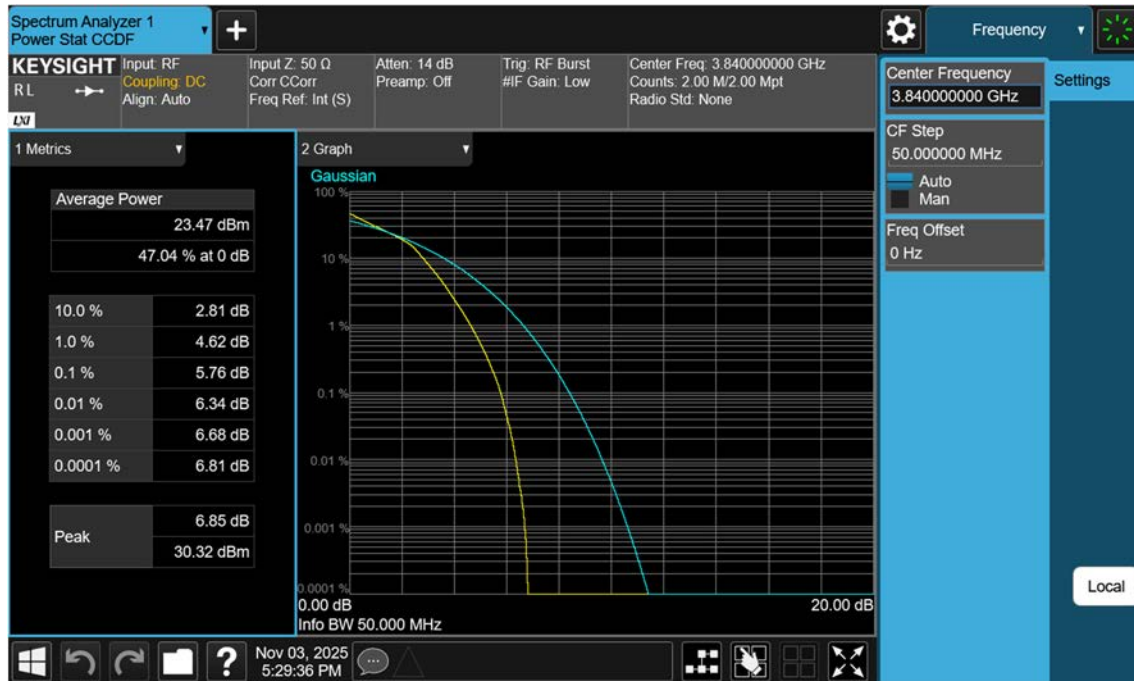
NR n77(78)(3700~3980 MHz)_50 M_PAR_Mid_PI/2 BPSK_FullIRB



NR n77(78)(3700~3980 MHz)_50 M_PAR_Mid_QPSK_FullRB



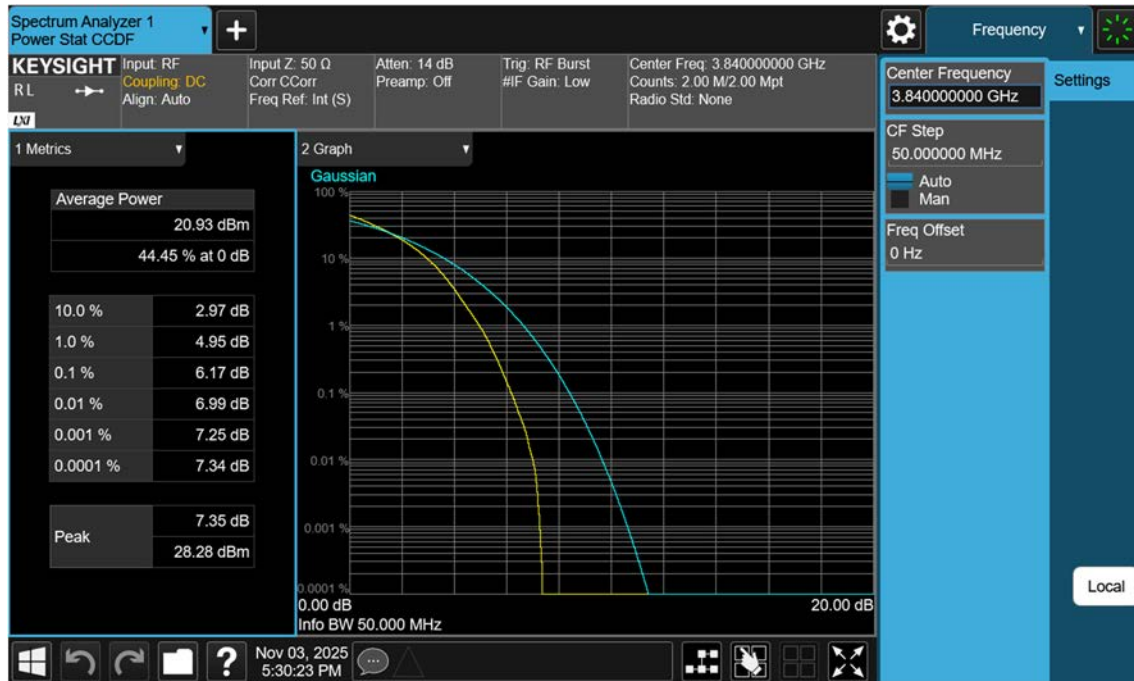
NR n77(78)(3700~3980 MHz)_50 M_PAR_Mid_16QAM_FullRB



NR n77(78)(3700~3980 MHz)_50 M_PAR_Mid_64QAM_FullRB



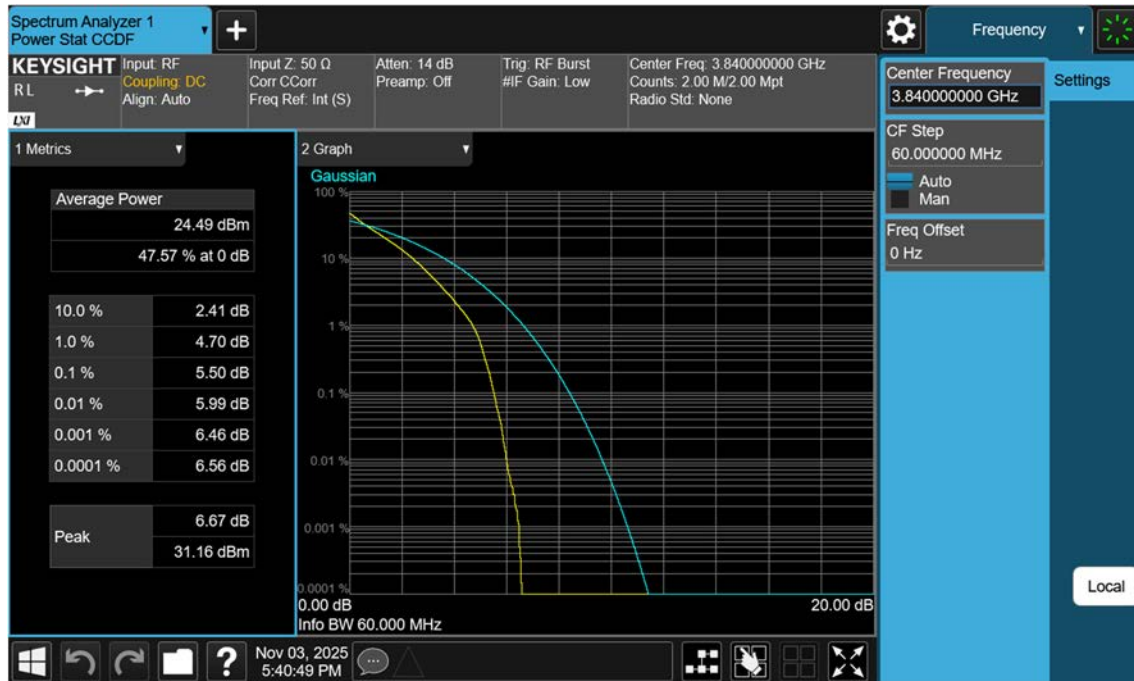
NR n77(78)(3700~3980 MHz)_50 M_PAR_Mid_256QAM_FullRB



NR n77(78)(3700~3980 MHz)_60 M_PAR_Mid_PI/2 BPSK_FullIRB



NR n77(78)(3700~3980 MHz)_60 M_PAR_Mid_QPSK_FullRB



NR n77(78)(3700~3980 MHz)_60 M_PAR_Mid_16QAM_FullRB

