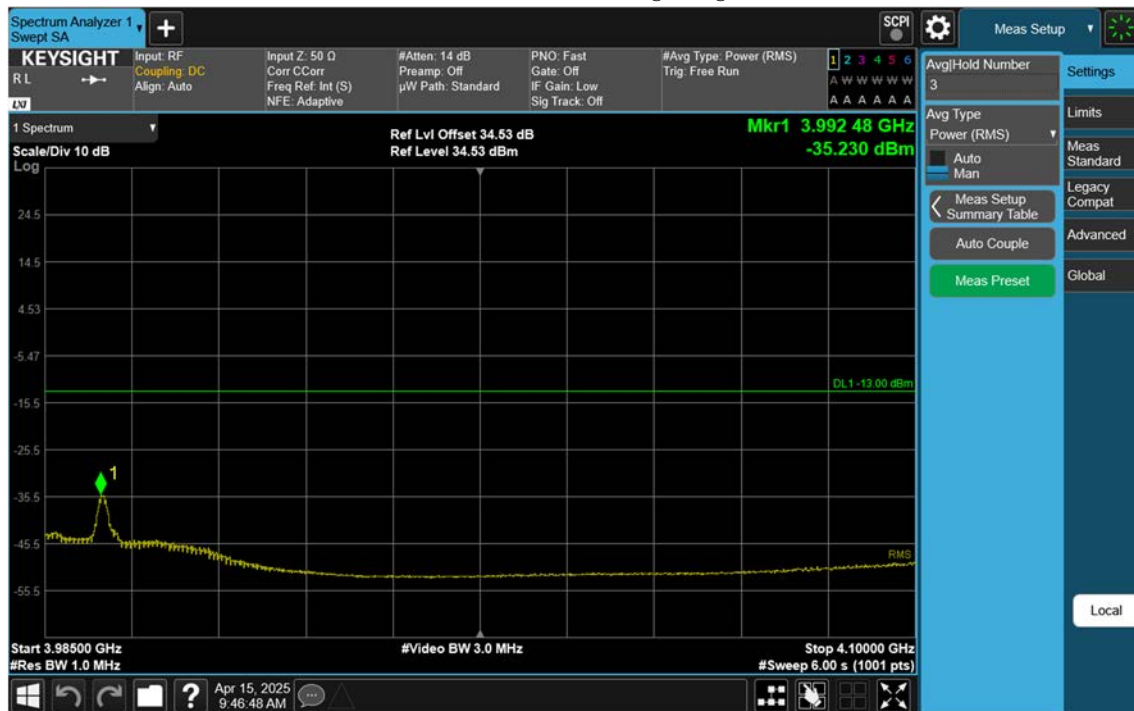
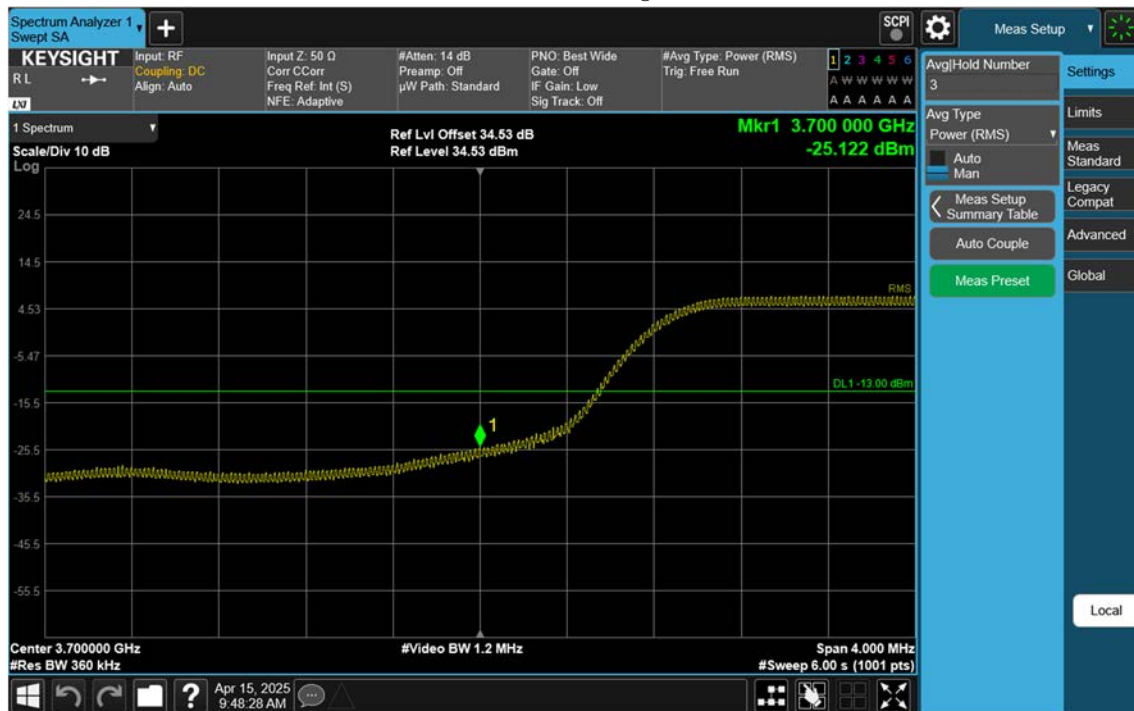


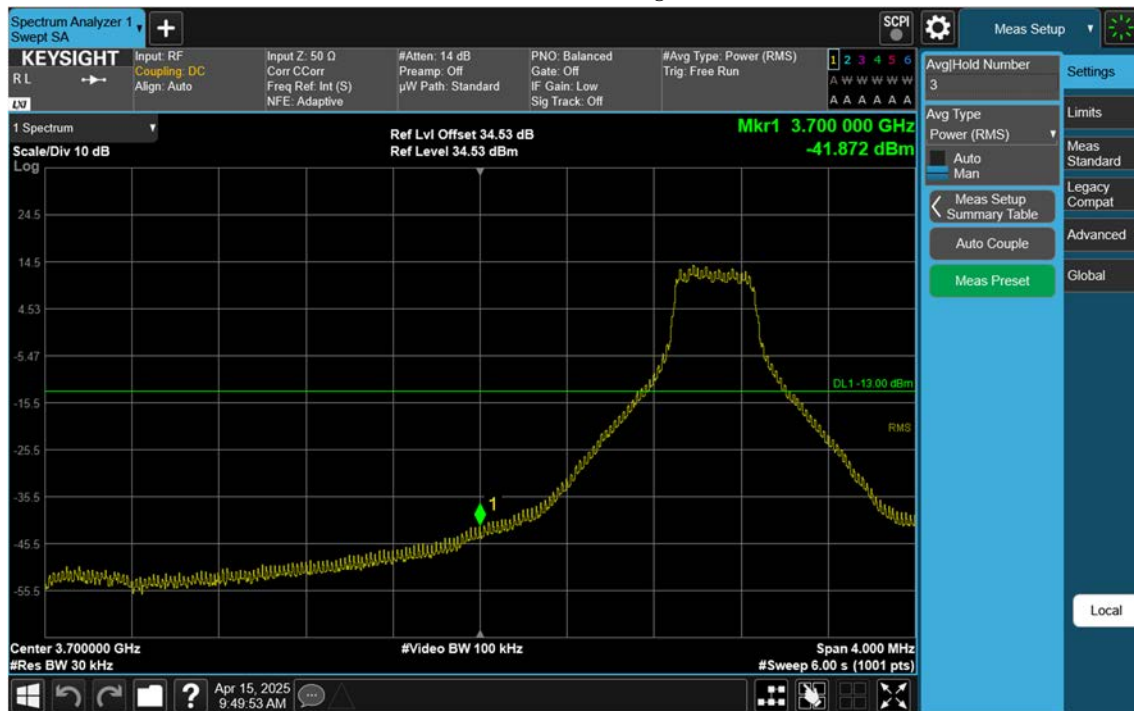
n77(3700~3980 MHz)_30 M_Band Edge_High_BPSK_1RB(3)



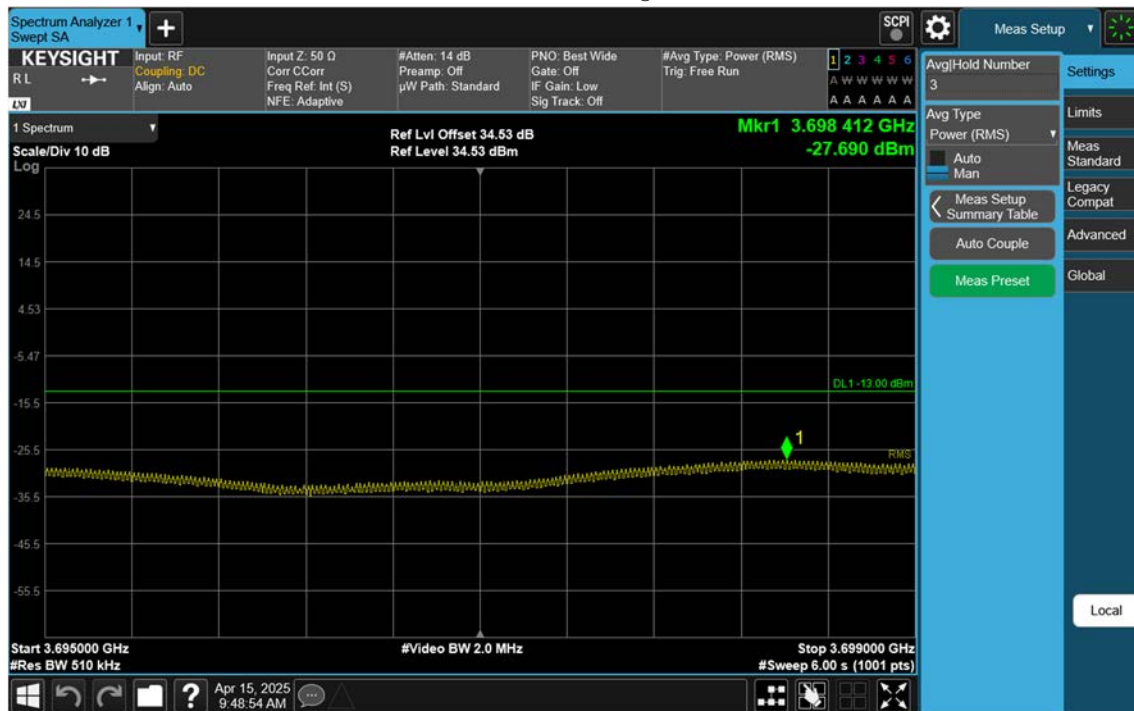
n77(3700~3980 MHz)_40 M_Band Edge_Low_BPSK_FullRB(1)



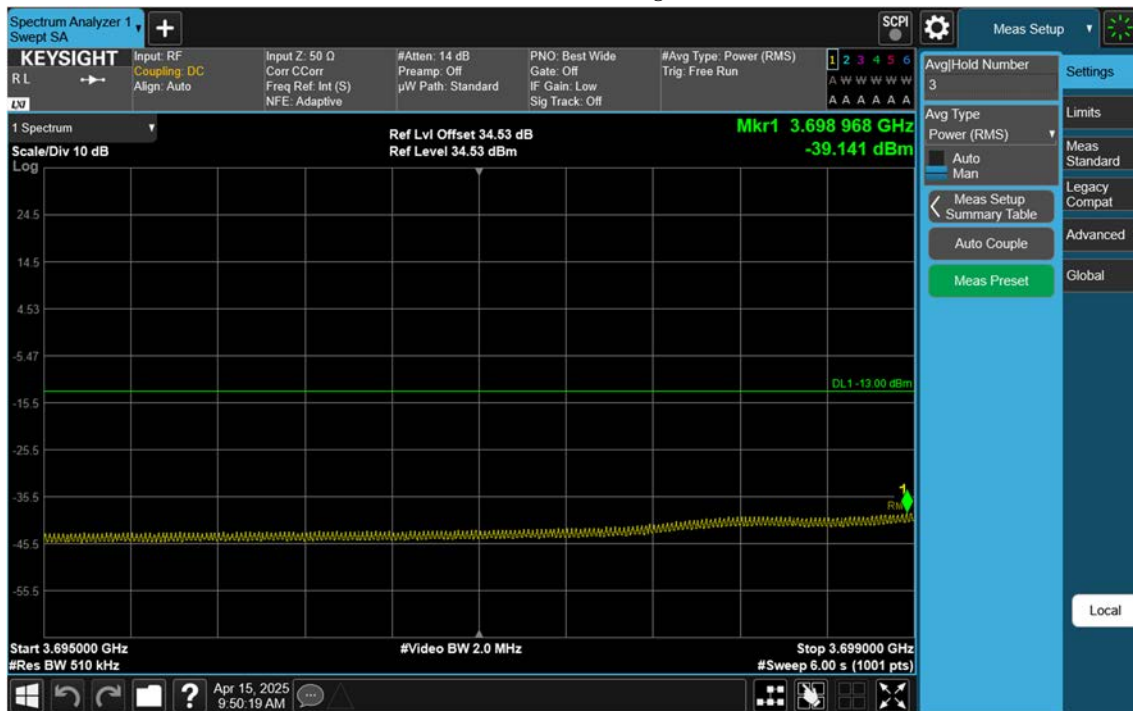
n77(3700~3980 MHz)_40 M_Band Edge_Low_BPSK_1RB(1)



n77(3700~3980 MHz)_40 M_Band Edge_Low_BPSK_FullRB(2)



n77(3700~3980 MHz)_40 M_Band Edge_Low_BPSK_1RB(2)



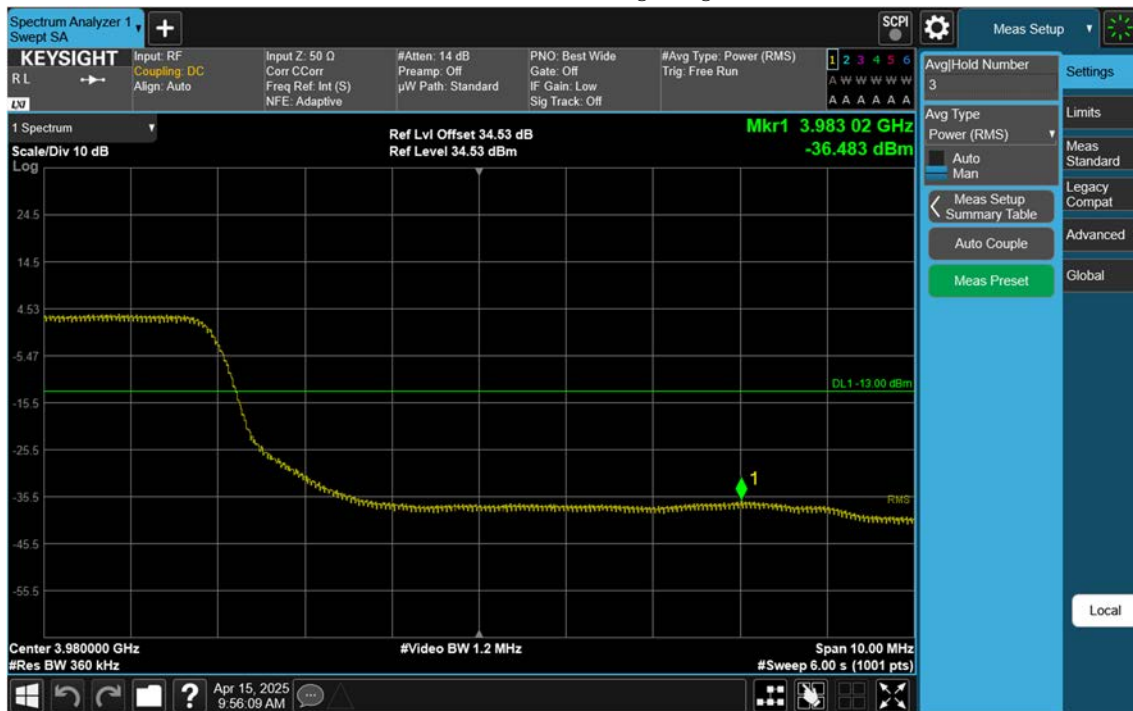
n77(3700~3980 MHz)_40 M_Band Edge_Low_BPSK_FullRB(3)



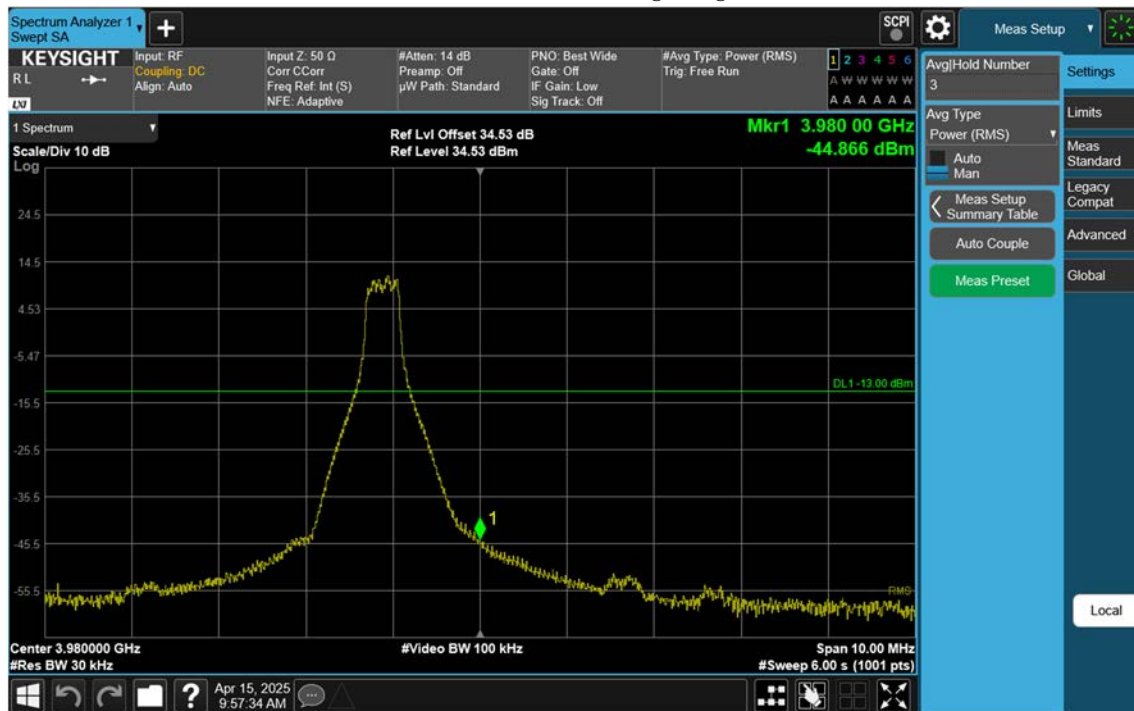
n77(3700~3980 MHz)_40 M_Band Edge_Low_BPSK_1RB(3)



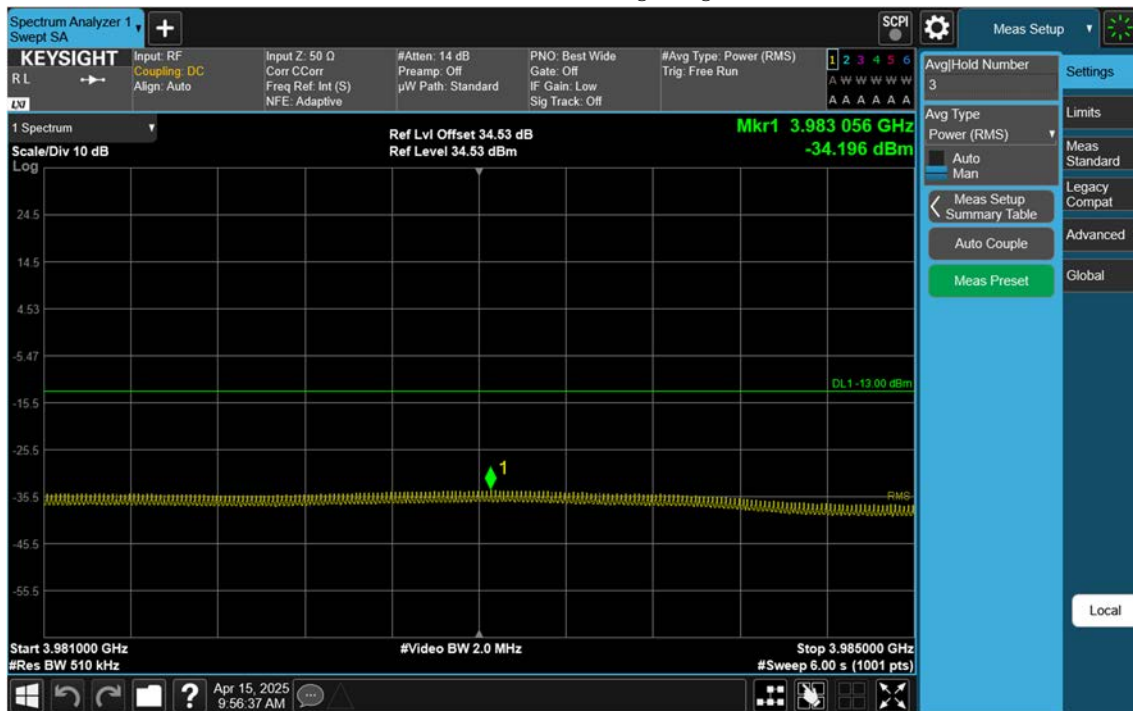
n77(3700~3980 MHz)_40 M_Band Edge_High_BPSK_FullRB(1)



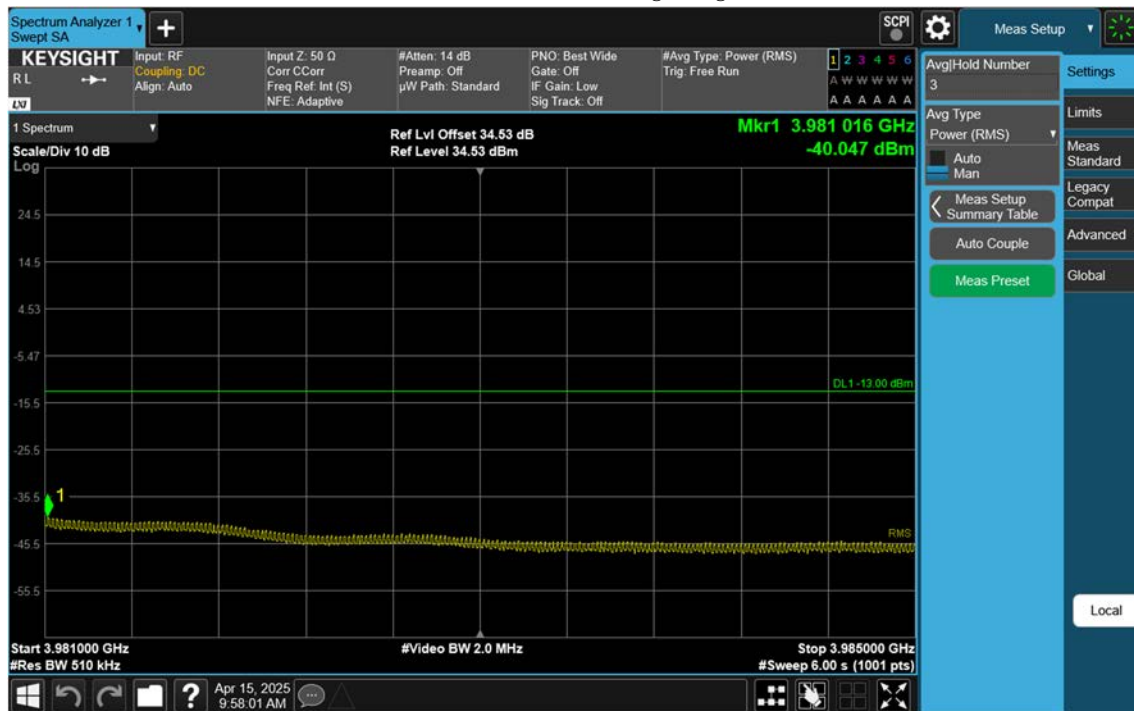
n77(3700~3980 MHz)_40 M_Band Edge_High_BPSK_1RB(1)



n77(3700~3980 MHz)_40 M_Band Edge_High_BPSK_FullRB(2)



n77(3700~3980 MHz)_40 M_Band Edge_High_BPSK_1RB(2)



Spectrum Analyzer 1
Swept SA

KEYSIGHT

Input: RF
Coupling: DC
Align: Auto

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

#Atten: 14 dB
Preamp: Off
μW Path: Standard

PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off

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

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

Meas Setup

Avg/Hold Number
3

Avg Type
Power (RMS)

Auto
Man

Meas Setup
Summary Table

Auto Couple

Meas Preset

1 Spectrum

Scale/Div 10 dB
Log

Ref Lvl Offset 34.53 dB
Ref Level 34.53 dBm

Mkr1 3.995 70 GHz
-34.385 dBm

DL1 -13.90 dBm

RMS

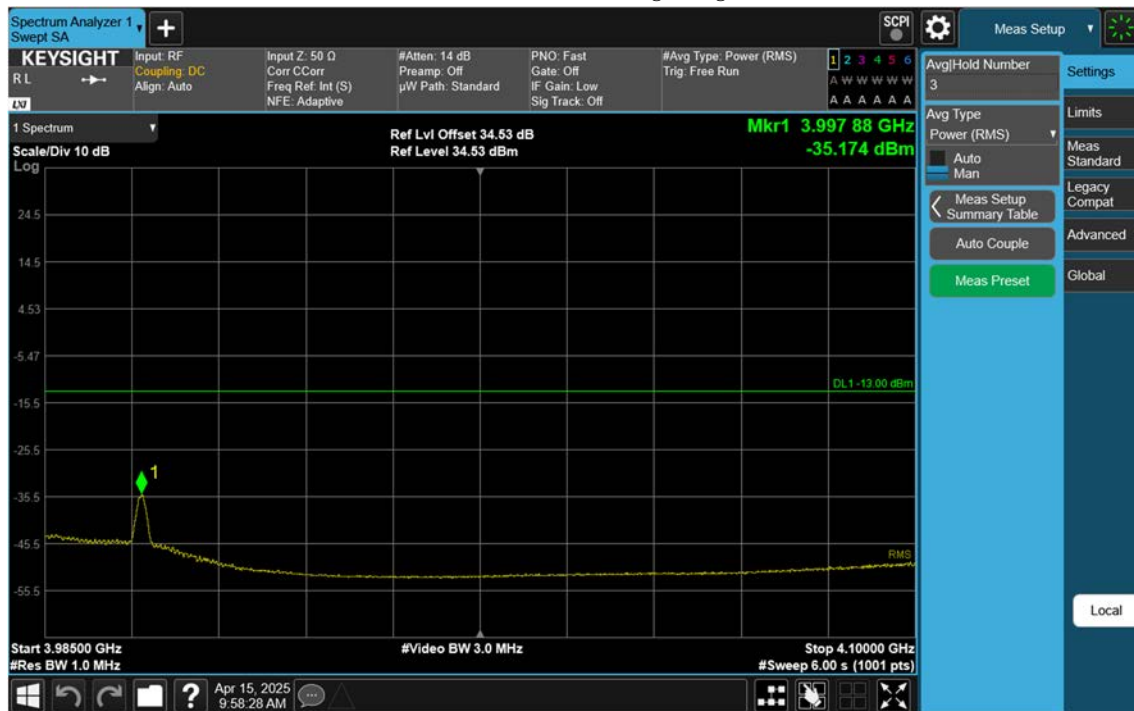
Start 3.98500 GHz
#Res BW 1.0 MHz

#Video BW 3.0 MHz

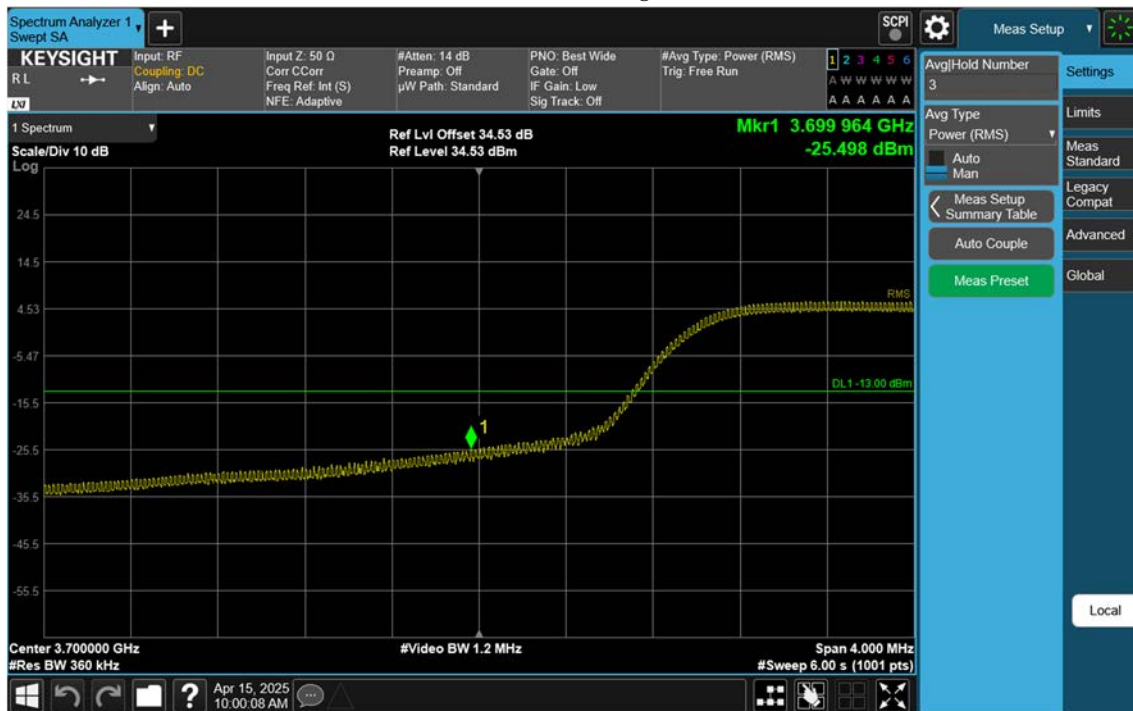
Stop 4.10000 GHz
#Sweep 6.00 s (1001 pts)

Apr 15, 2025
9:57:04 AM

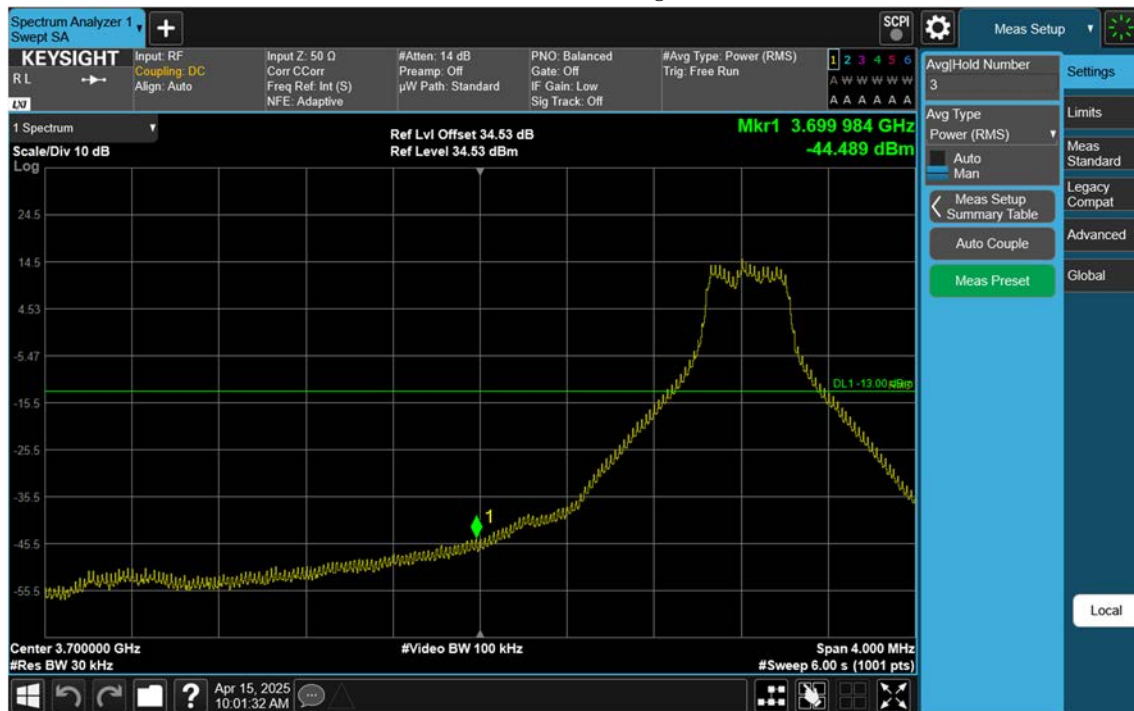
n77(3700~3980 MHz)_40 M_Band Edge_High_BPSK_1RB(3)



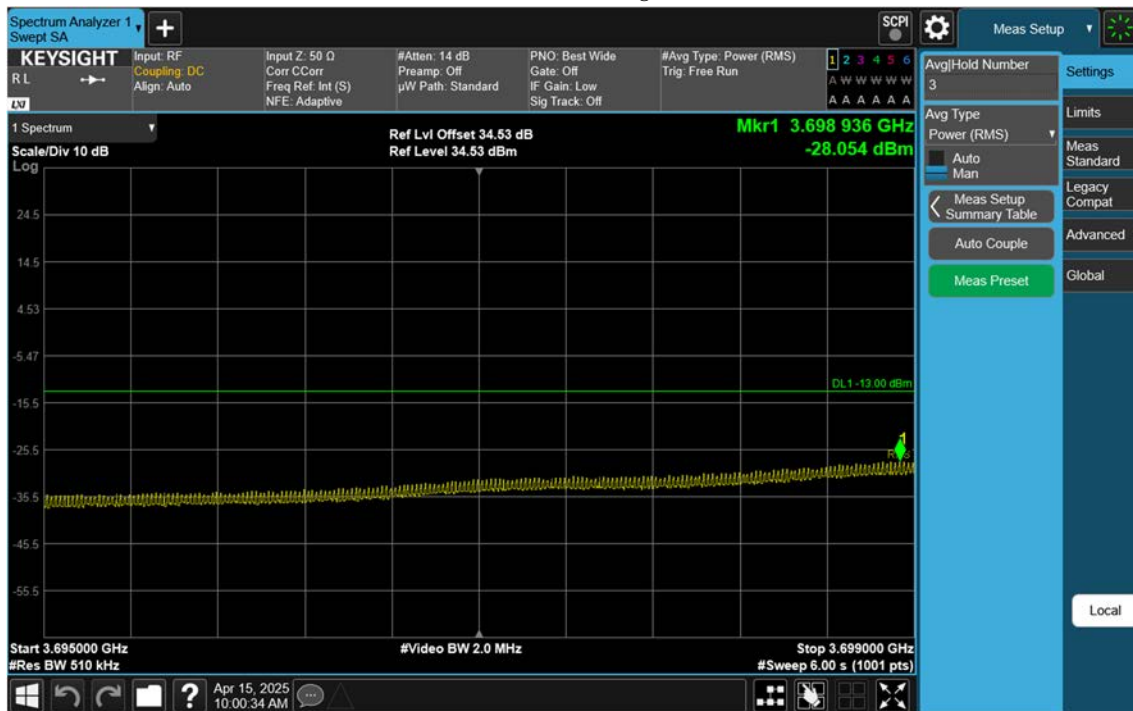
n77(3700~3980 MHz)_50 M_Band Edge_Low_BPSK_FullRB(1)



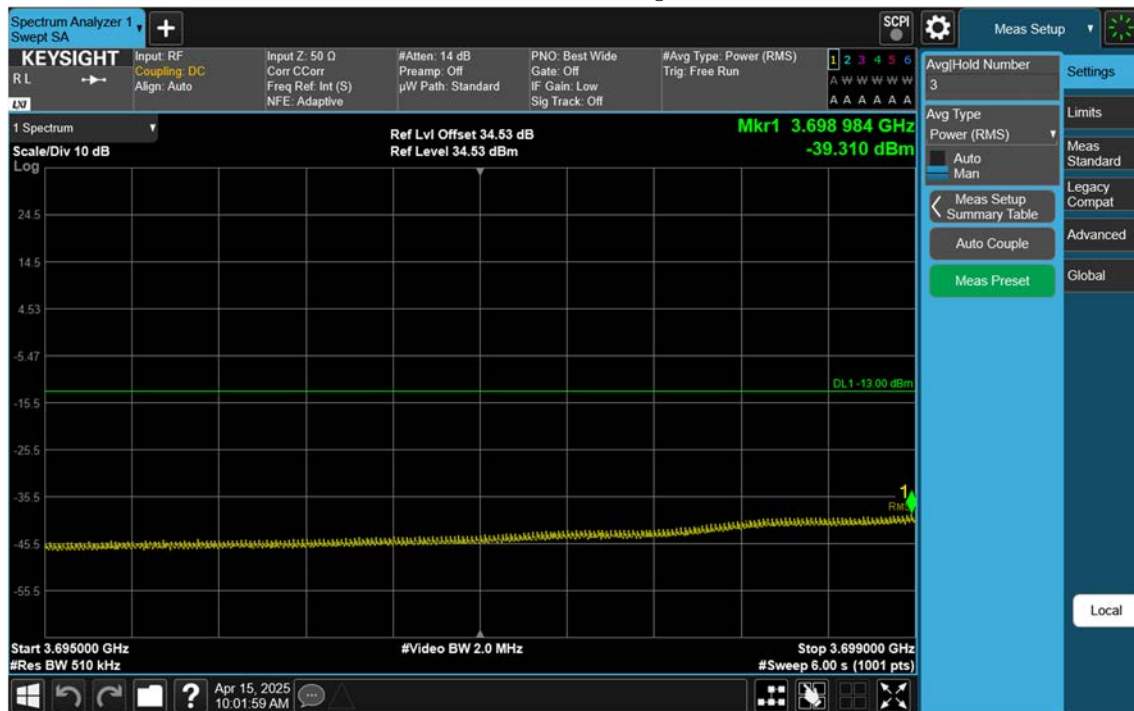
n77(3700~3980 MHz)_50 M_Band Edge_Low_BPSK_1RB(1)



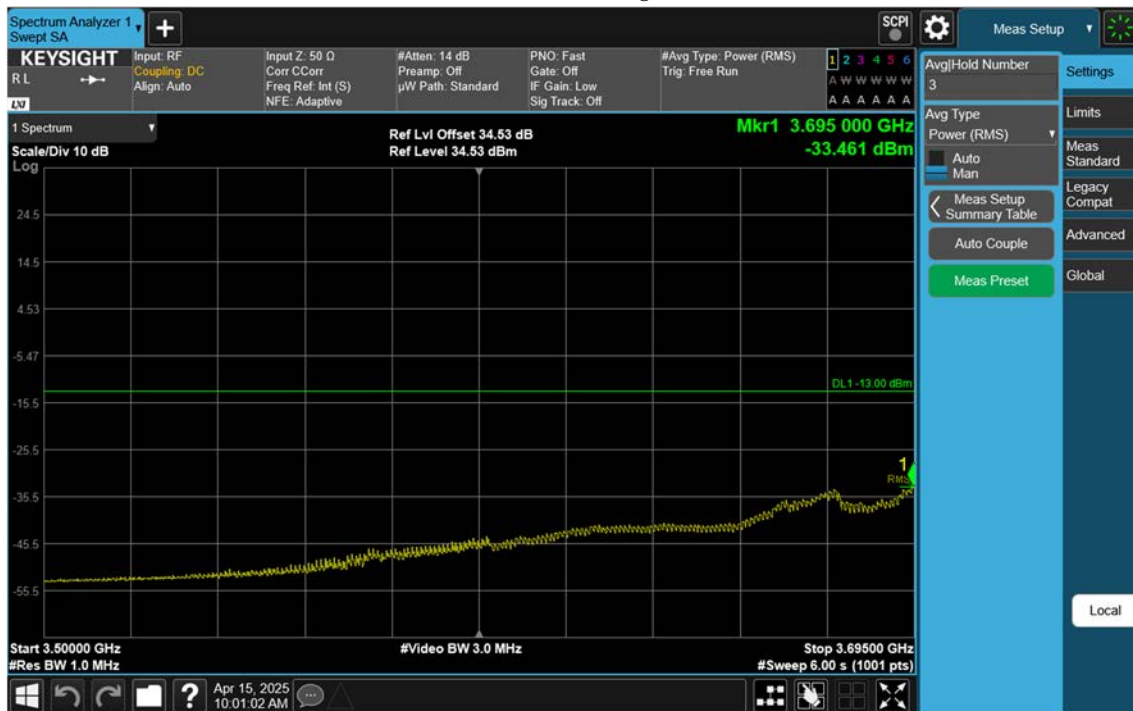
n77(3700~3980 MHz)_50 M_Band Edge_Low_BPSK_FullRB(2)



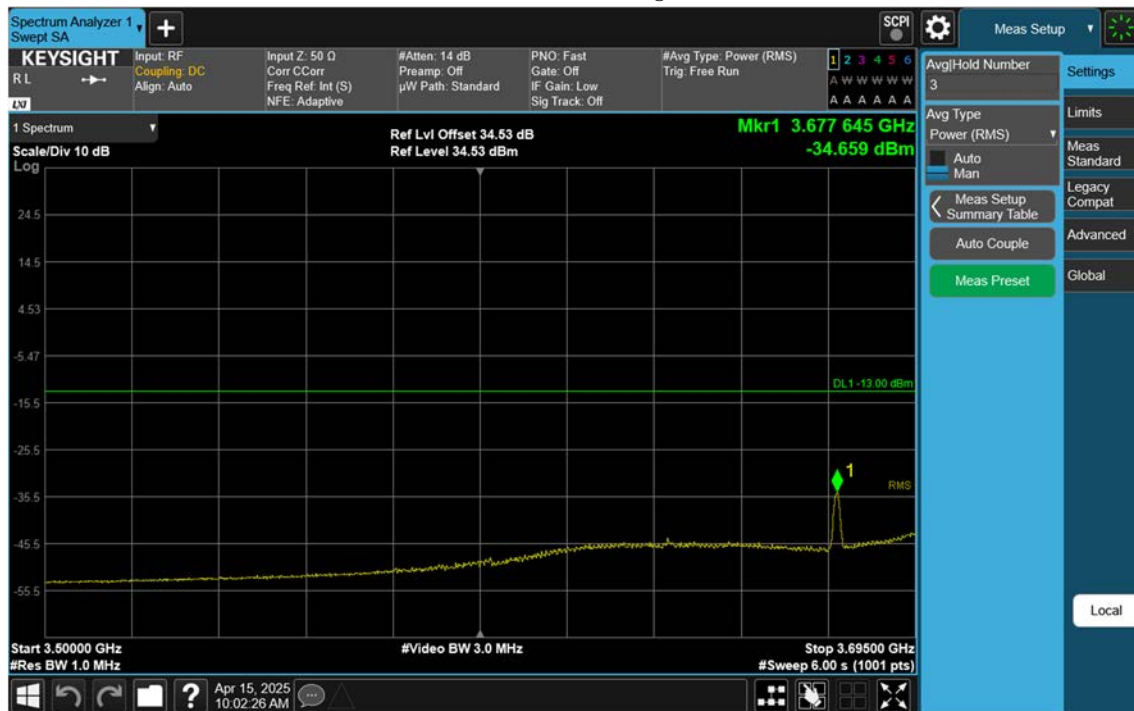
n77(3700~3980 MHz)_50 M_Band Edge_Low_BPSK_1RB(2)



n77(3700~3980 MHz)_50 M_Band Edge_Low_BPSK_FullRB(3)



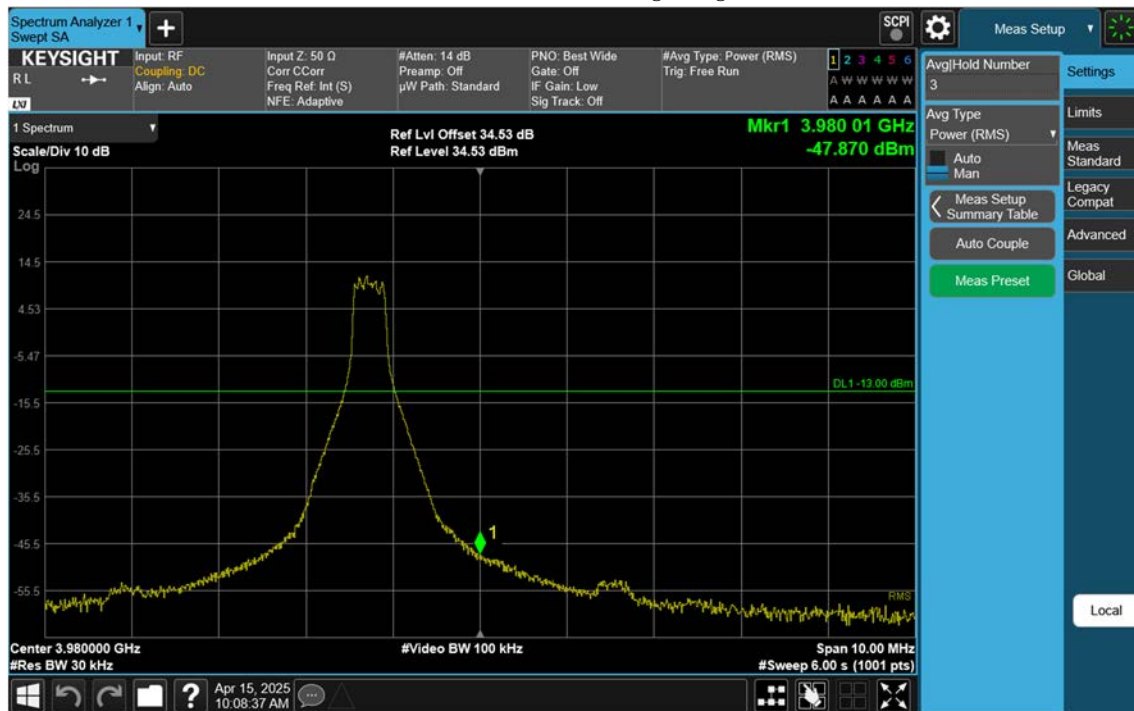
n77(3700~3980 MHz)_50 M_Band Edge_Low_BPSK_1RB(3)



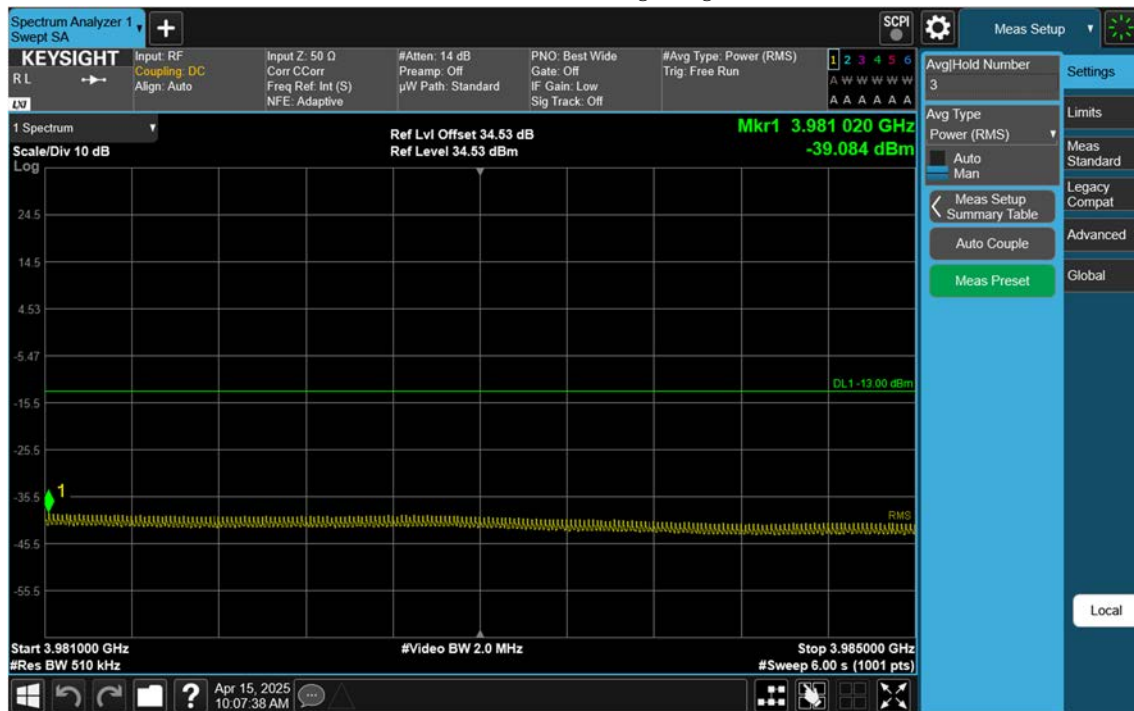
n77(3700~3980 MHz)_50 M_Band Edge_High_BPSK_FullRB(1)



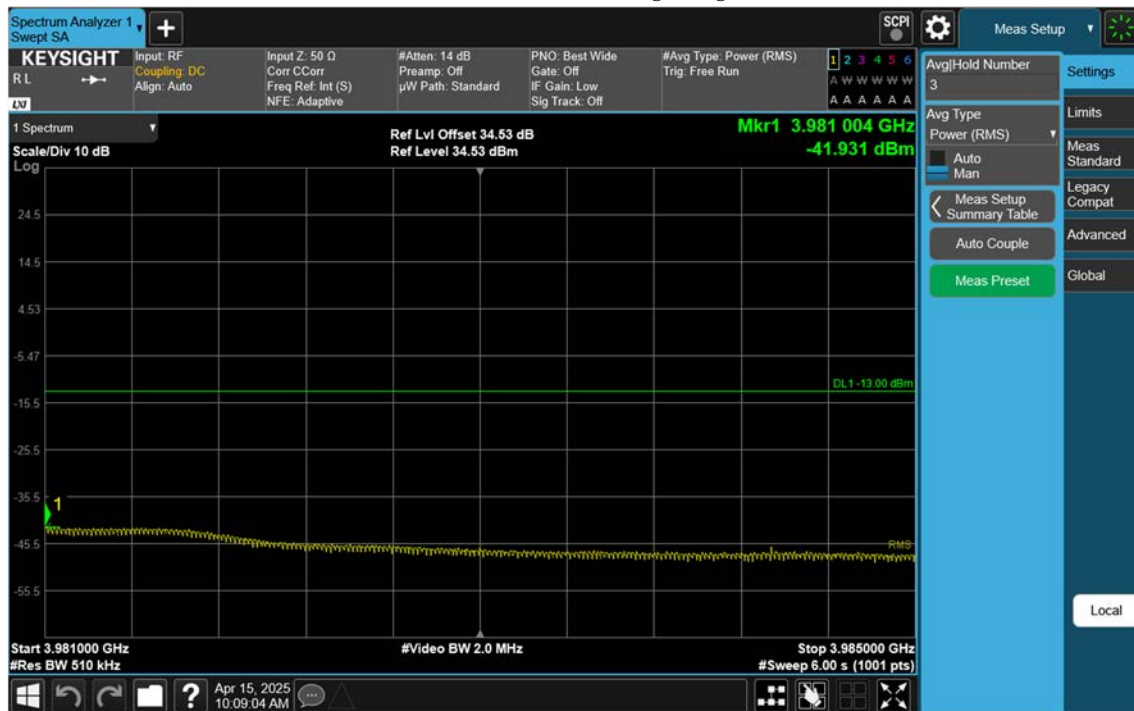
n77(3700~3980 MHz)_50 M_Band Edge_High_BPSK_1RB(1)



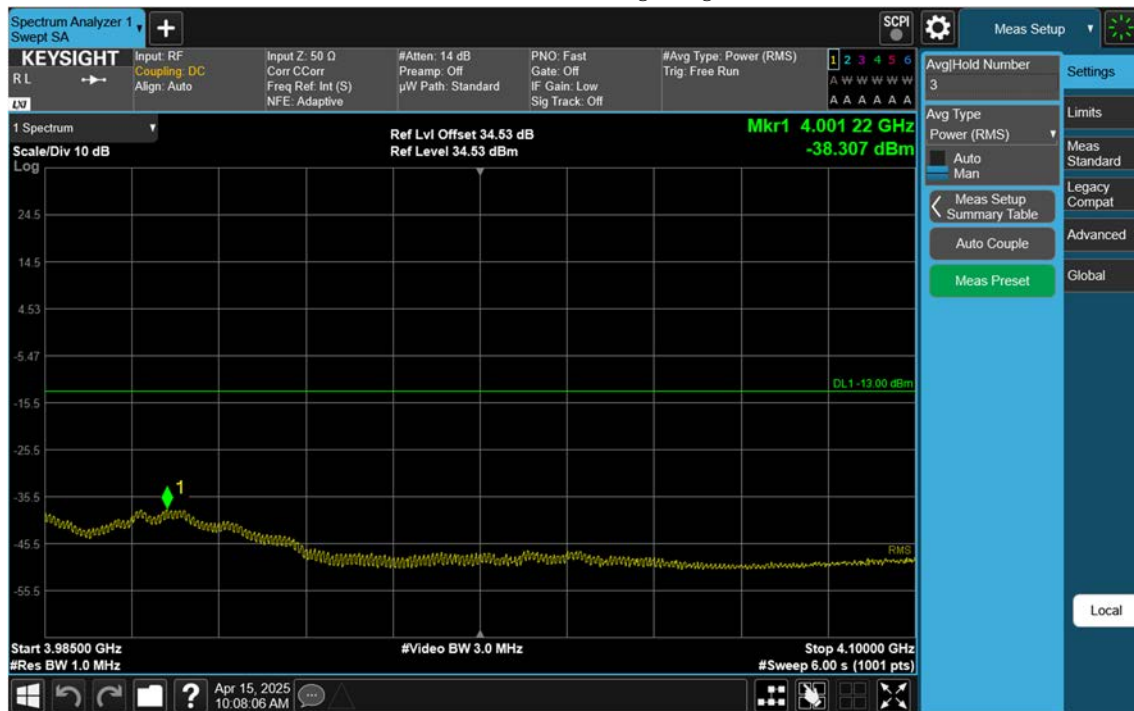
n77(3700~3980 MHz)_50 M_Band Edge_High_BPSK_FullRB(2)



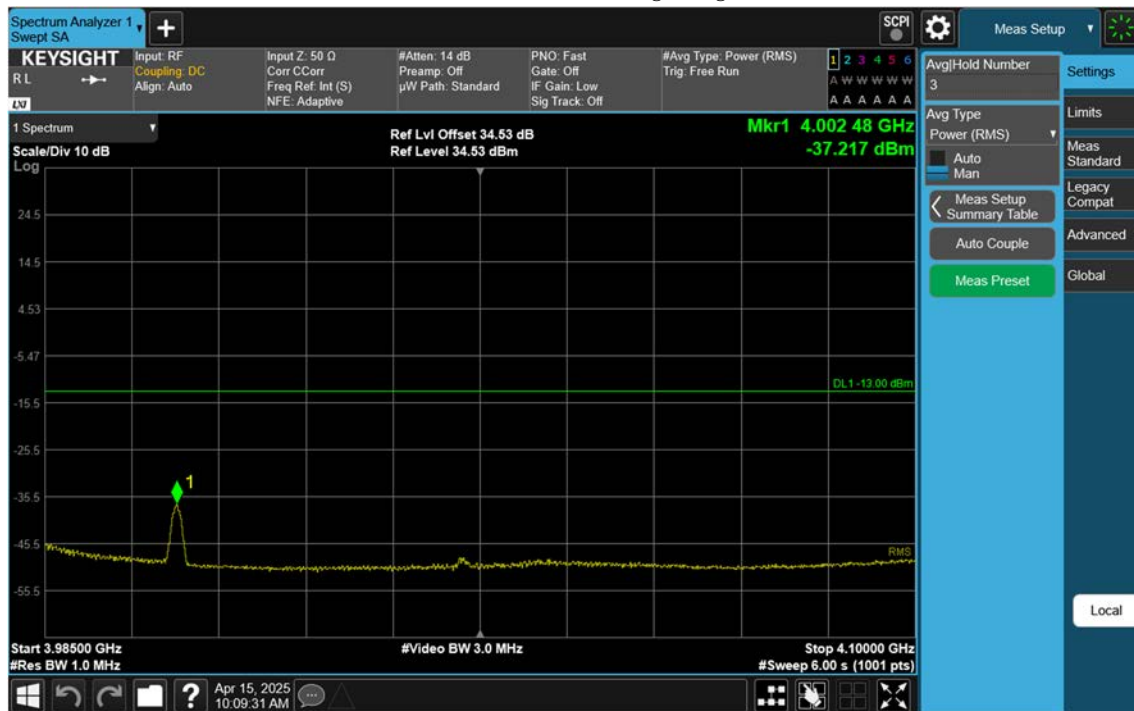
n77(3700~3980 MHz)_50 M_Band Edge_High_BPSK_1RB(2)



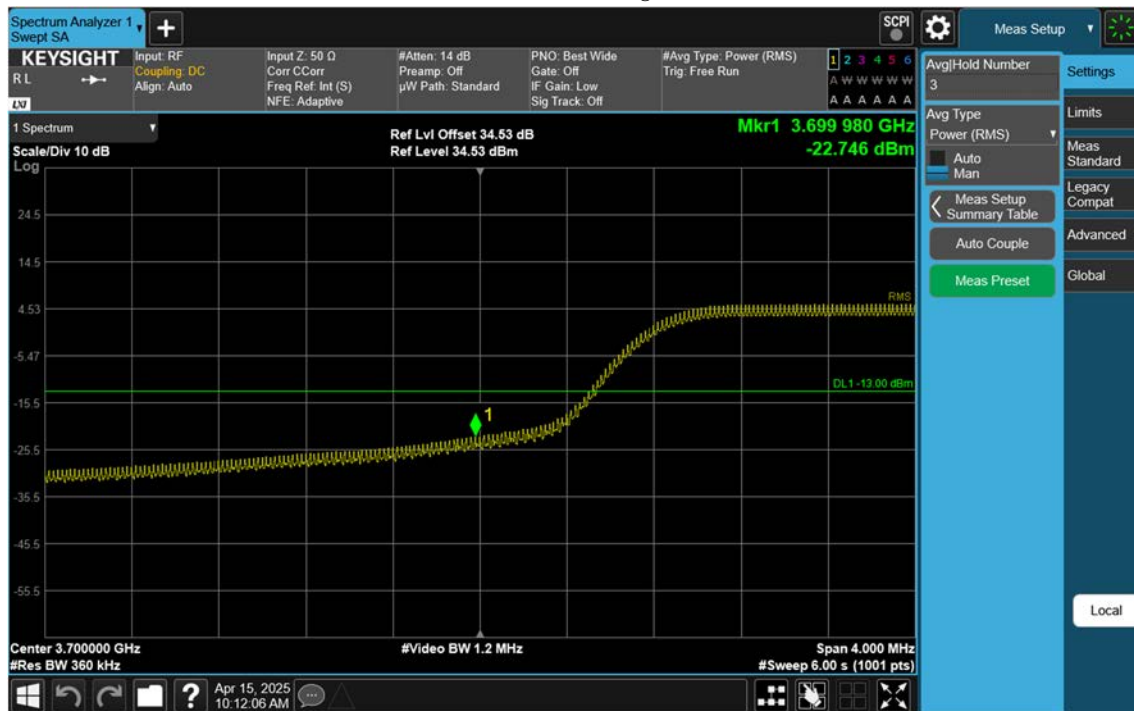
n77(3700~3980 MHz)_50 M_Band Edge_High_BPSK_FullRB(3)



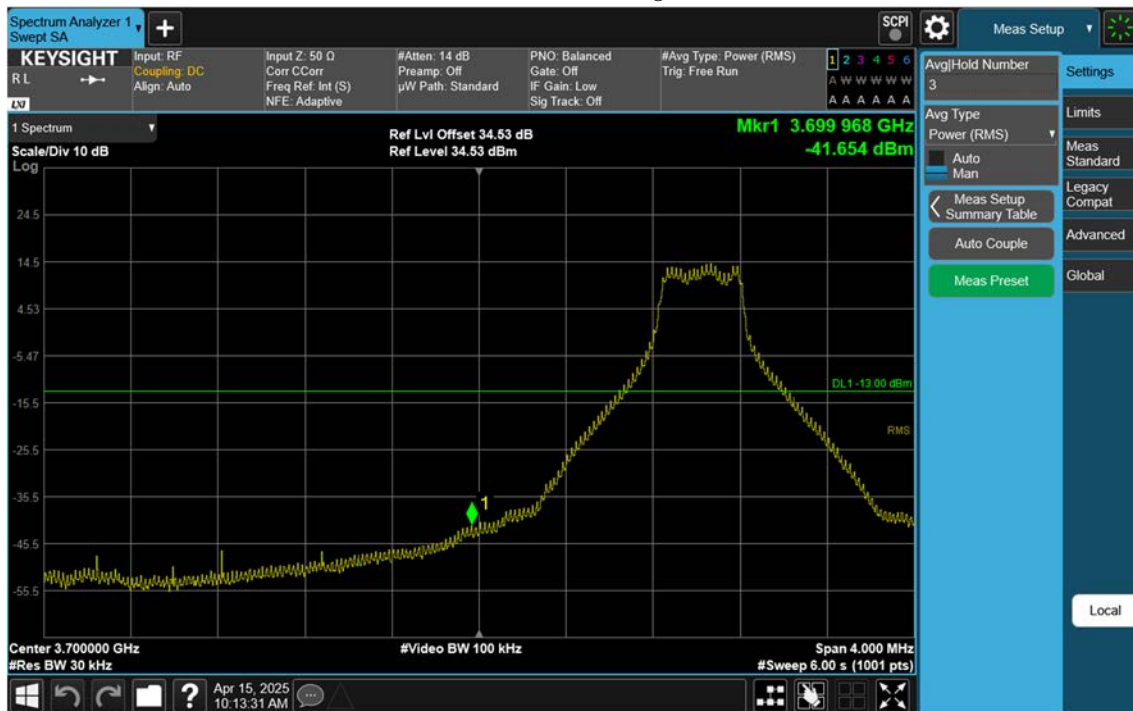
n77(3700~3980 MHz)_50 M_Band Edge_High_BPSK_1RB(3)



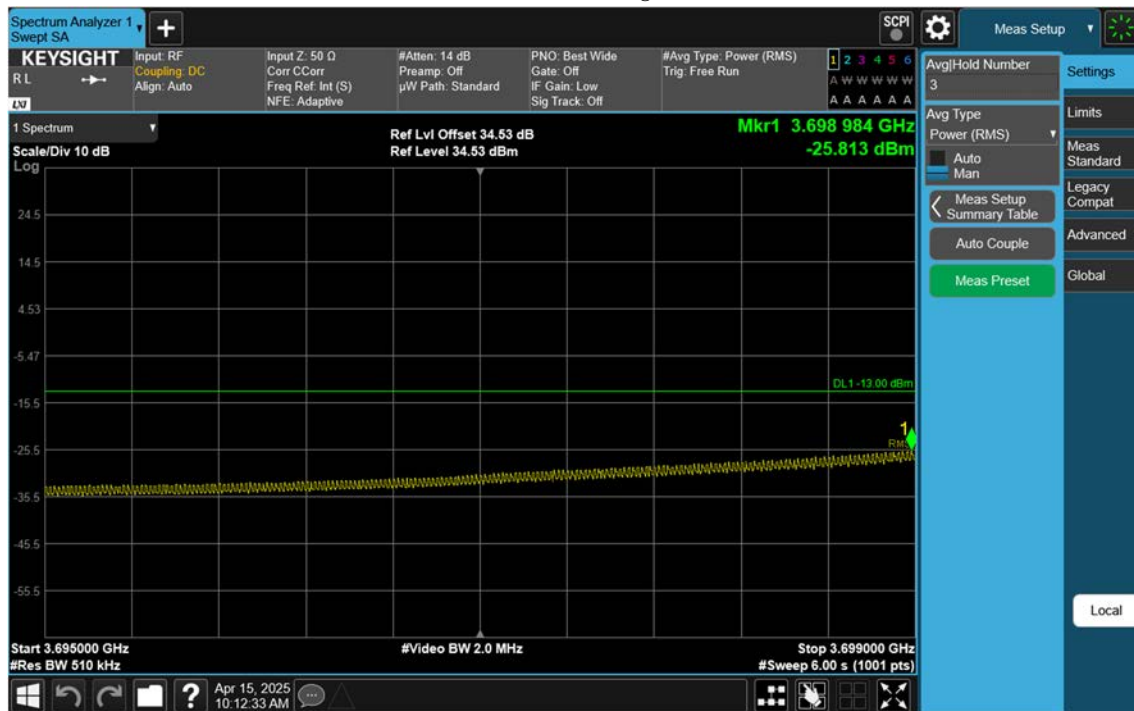
n77(3700~3980 MHz)_60 M_Band Edge_Low_BPSK_FullRB(1)



n77(3700~3980 MHz)_60 M_Band Edge_Low_BPSK_1RB(1)



n77(3700~3980 MHz)_60 M_Band Edge_Low_BPSK_FullRB(2)



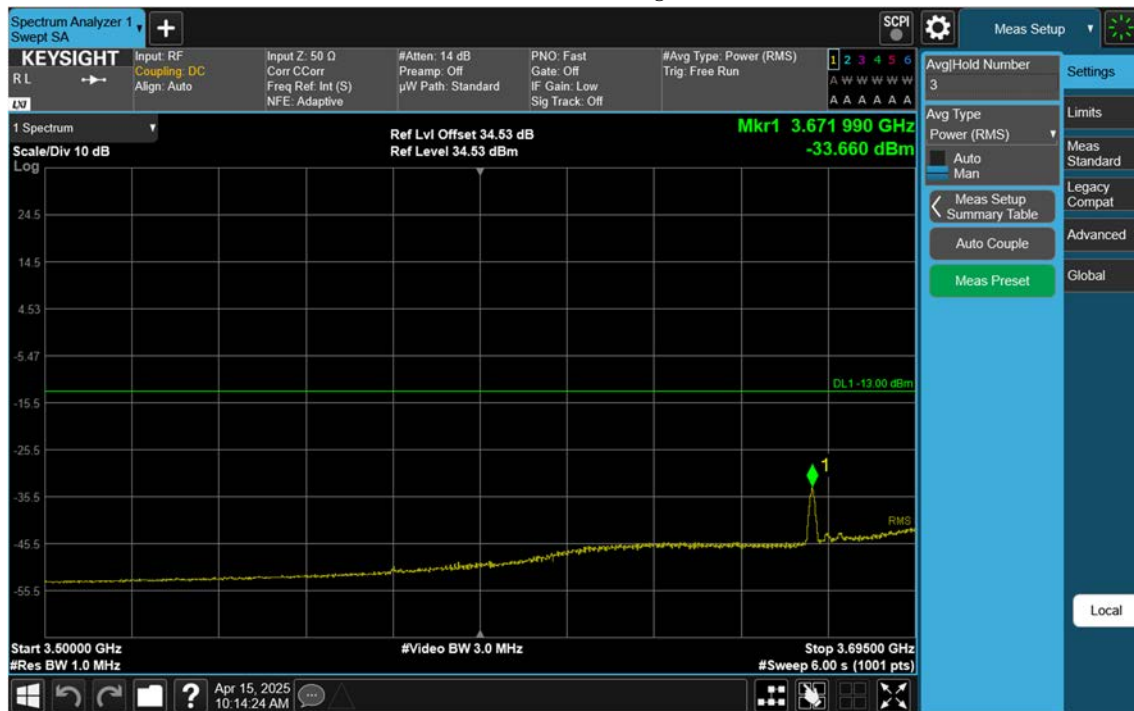
n77(3700~3980 MHz)_60 M_Band Edge_Low_BPSK_1RB(2)



n77(3700~3980 MHz)_60 M_Band Edge_Low_BPSK_FullRB(3)



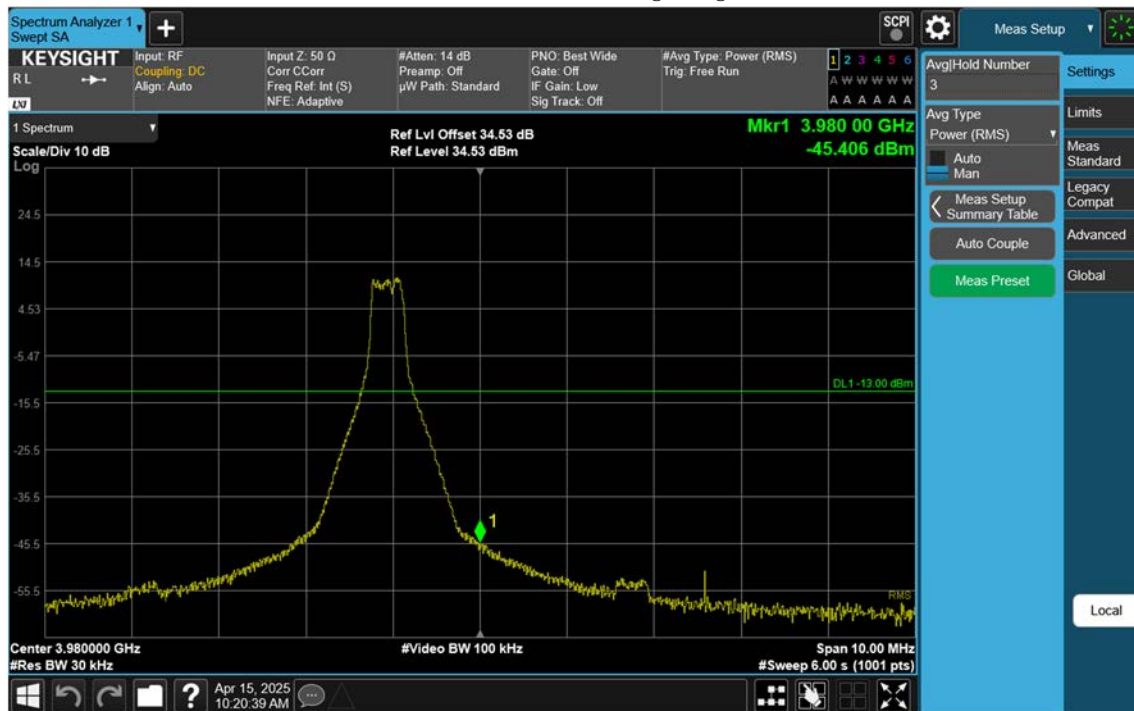
n77(3700~3980 MHz)_60 M_Band Edge_Low_BPSK_1RB(3)



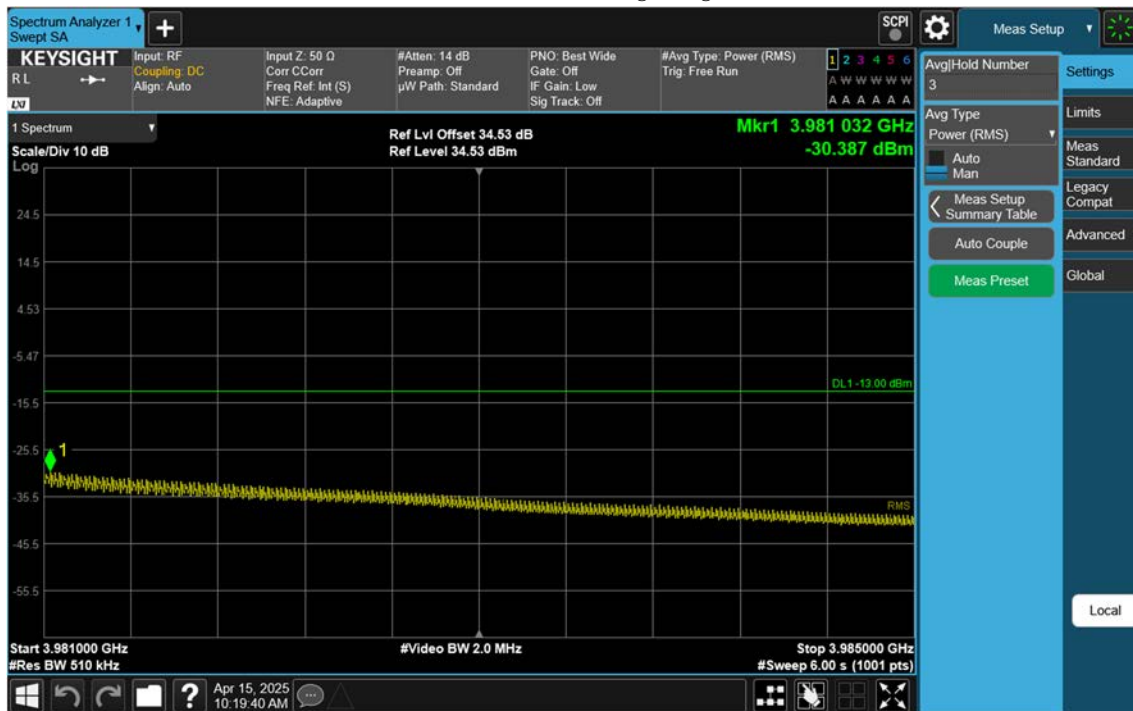
n77(3700~3980 MHz)_60 M_Band Edge_High_BPSK_FullRB(1)



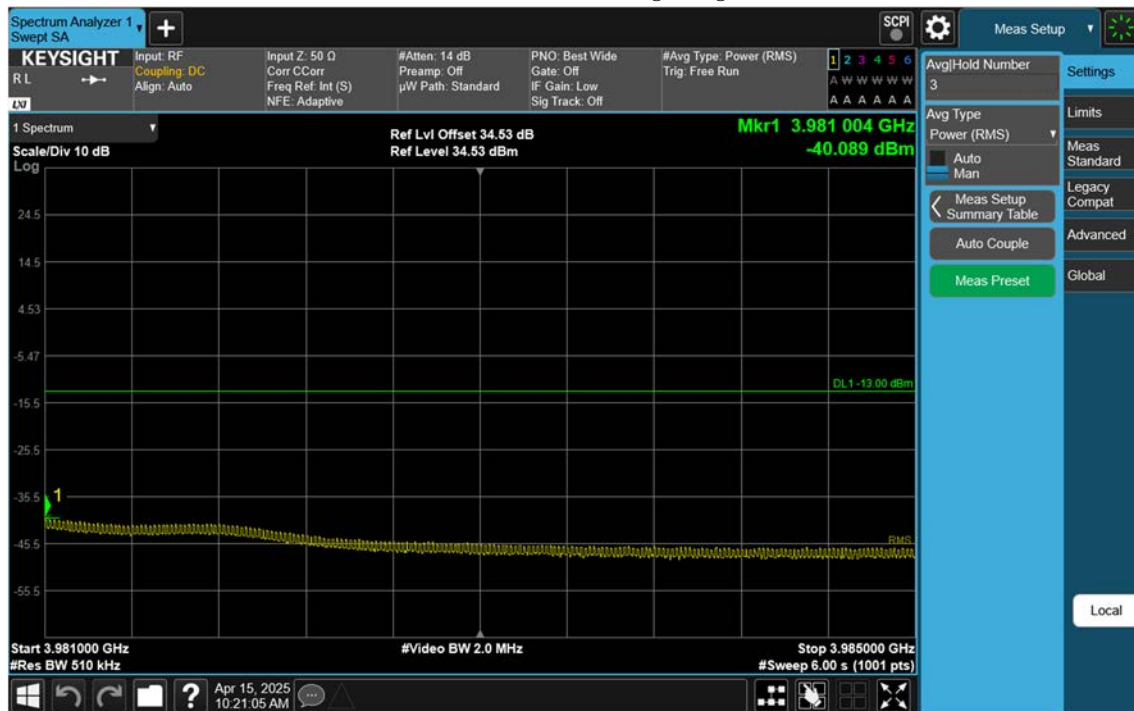
n77(3700~3980 MHz)_60 M_Band Edge_High_BPSK_1RB(1)



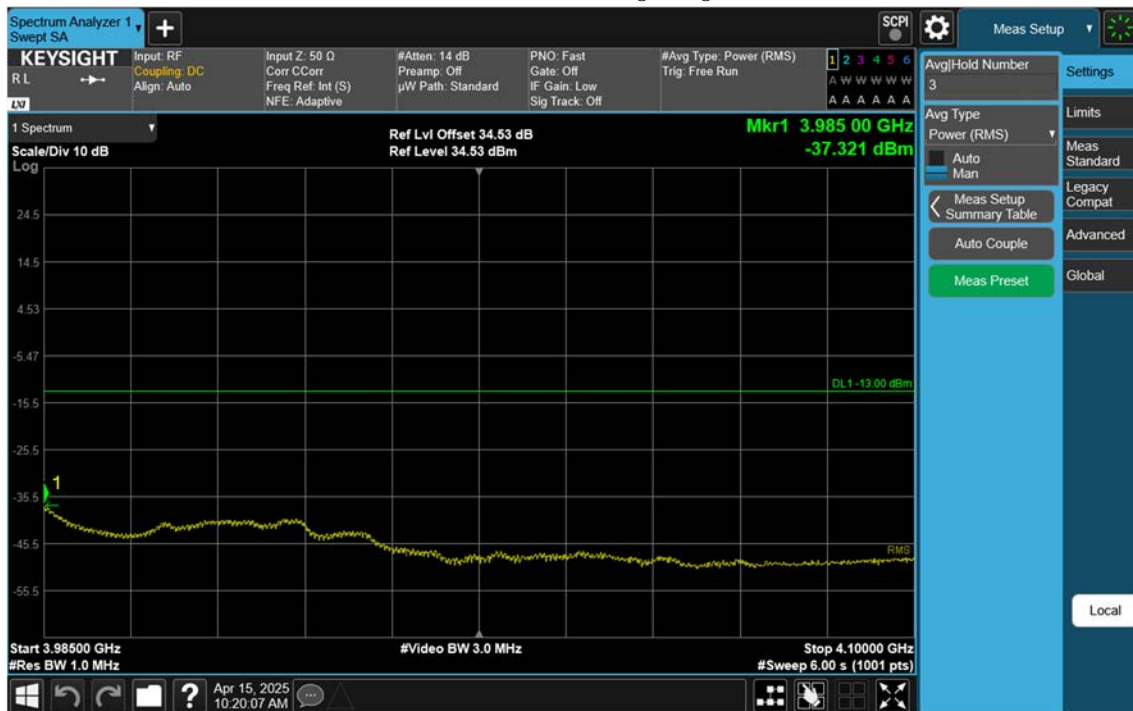
n77(3700~3980 MHz)_60 M_Band Edge_High_BPSK_FullRB(2)



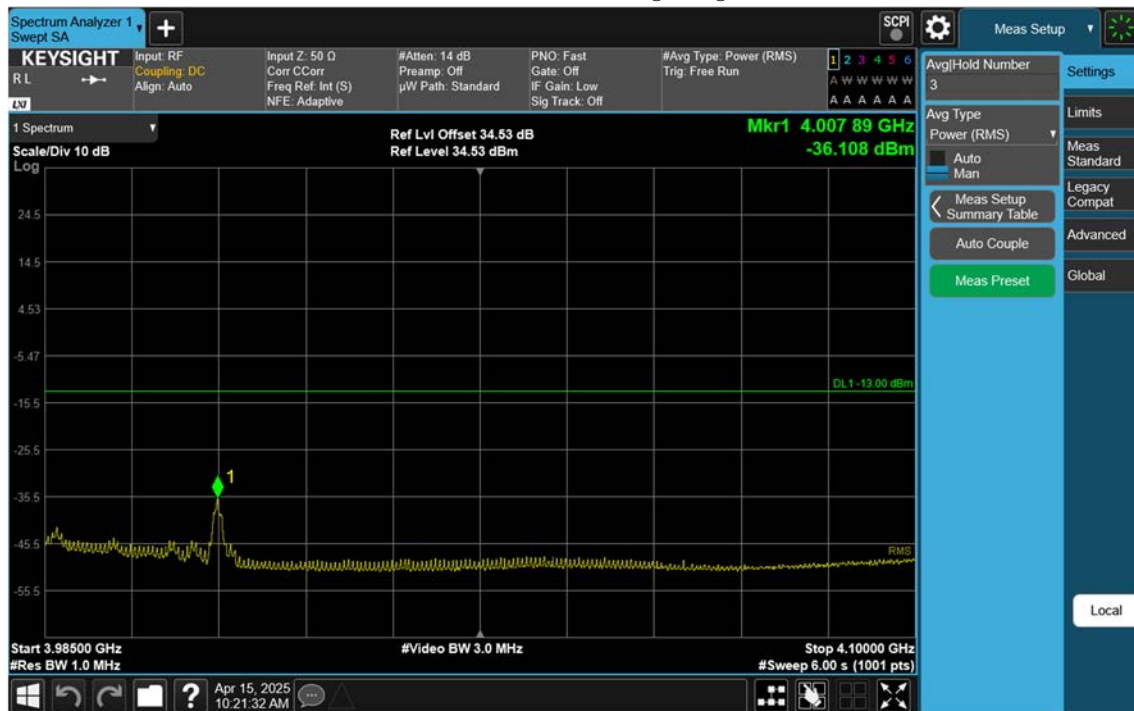
n77(3700~3980 MHz)_60 M_Band Edge_High_BPSK_1RB(2)



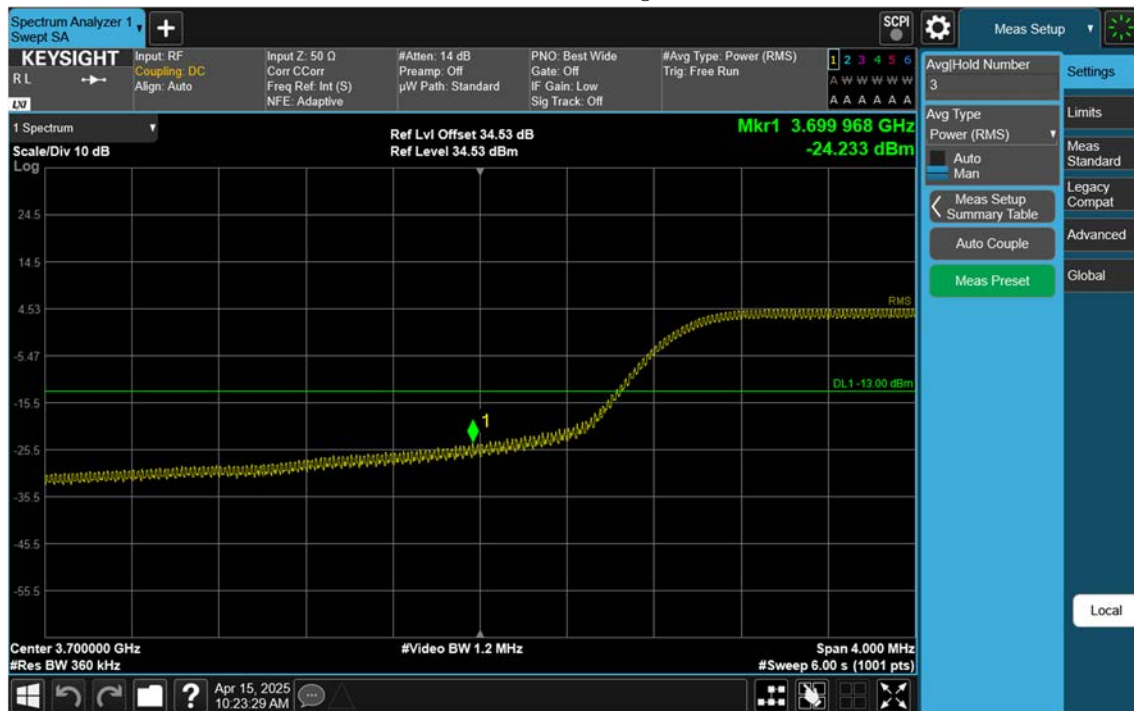
n77(3700~3980 MHz)_60 M_Band Edge_High_BPSK_FullRB(3)



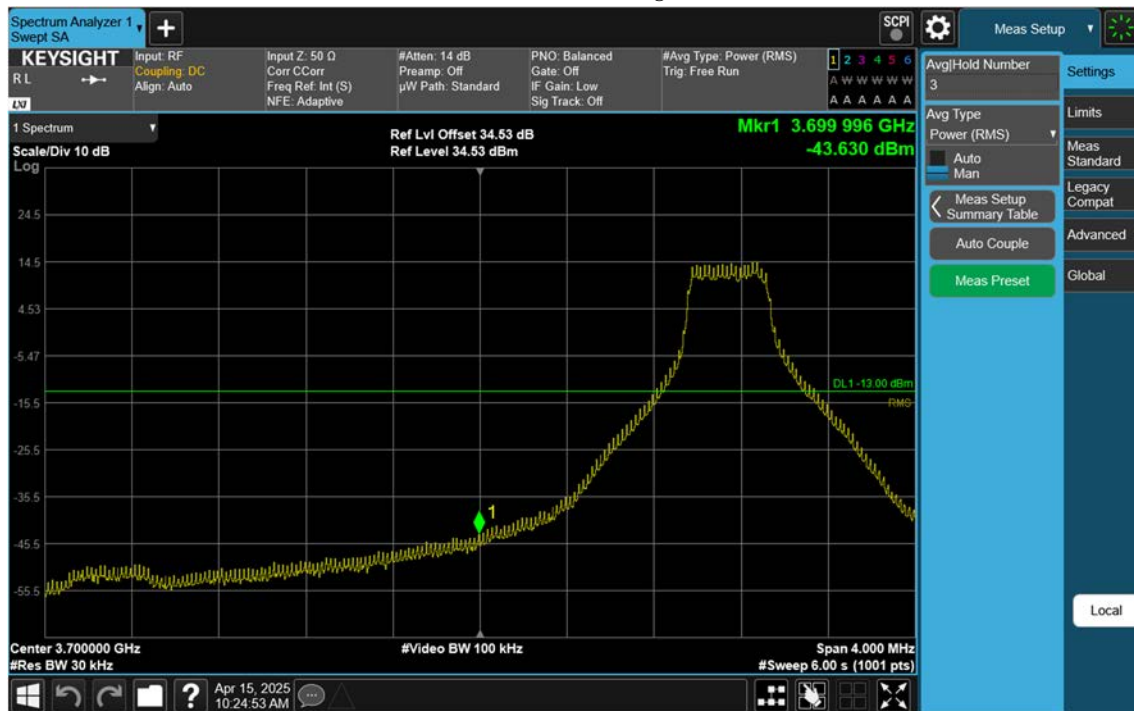
n77(3700~3980 MHz)_60 M_Band Edge_High_BPSK_1RB(3)



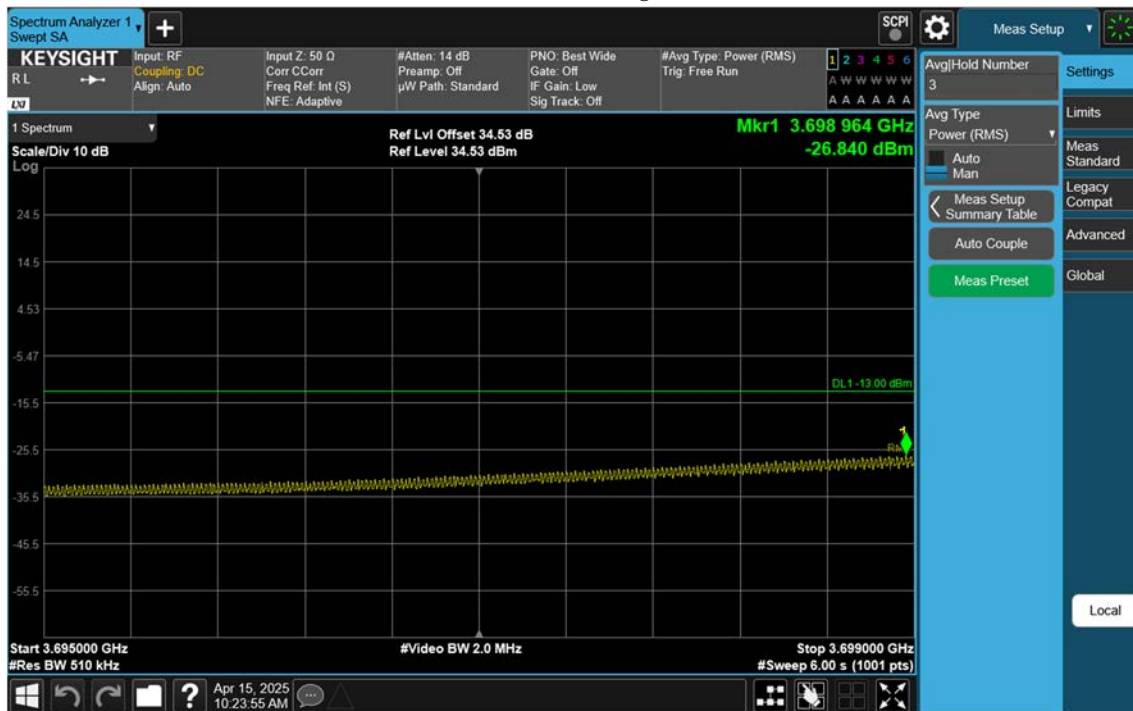
n77(3700~3980 MHz)_70 M_Band Edge_Low_BPSK_FullRB(1)



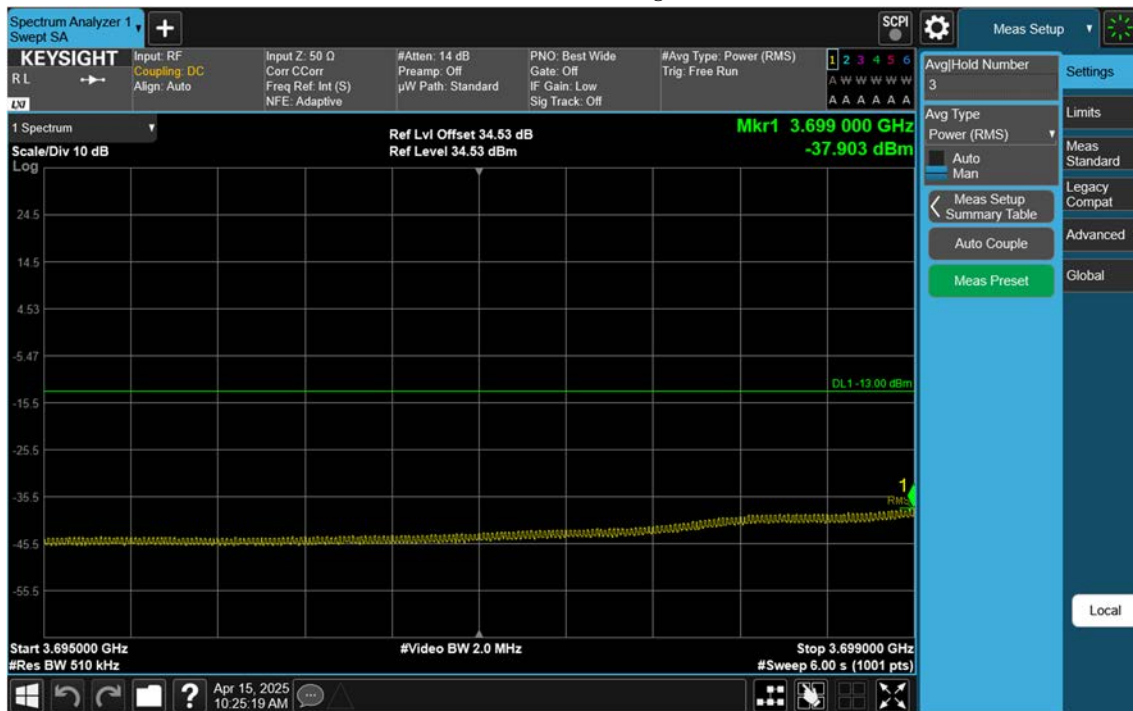
n77(3700~3980 MHz)_70 M_Band Edge_Low_BPSK_1RB(1)



n77(3700~3980 MHz)_70 M_Band Edge_Low_BPSK_FullRB(2)



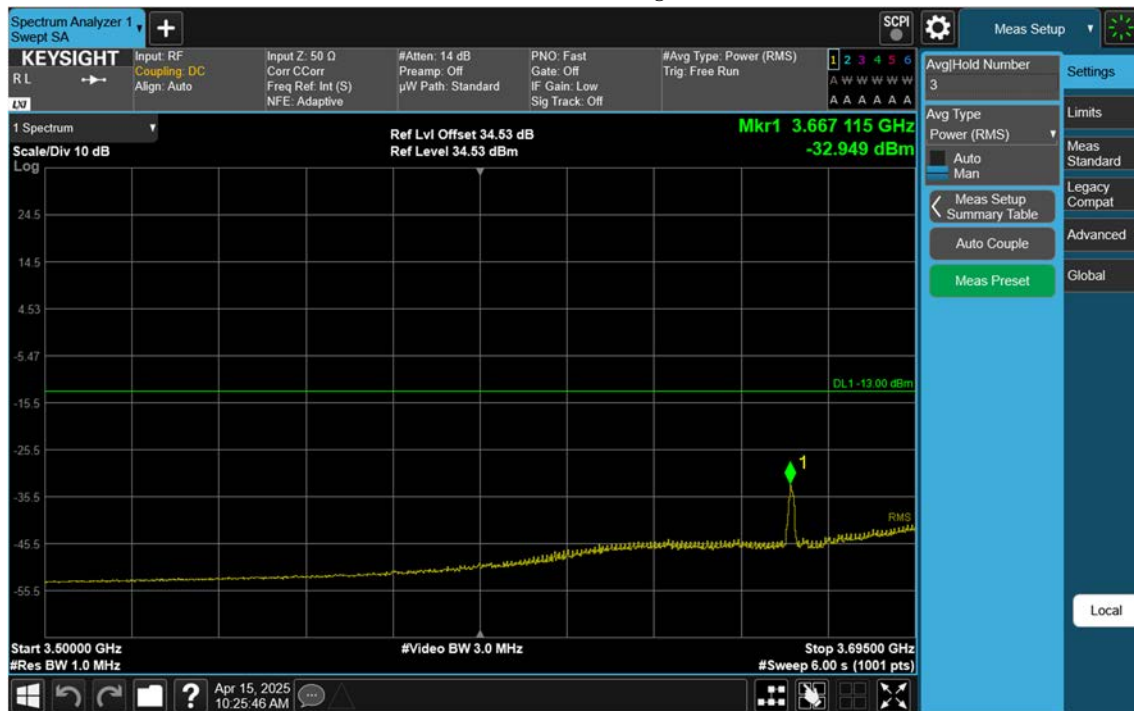
n77(3700~3980 MHz)_70 M_Band Edge_Low_BPSK_1RB(2)



n77(3700~3980 MHz)_70 M_Band Edge_Low_BPSK_FullRB(3)



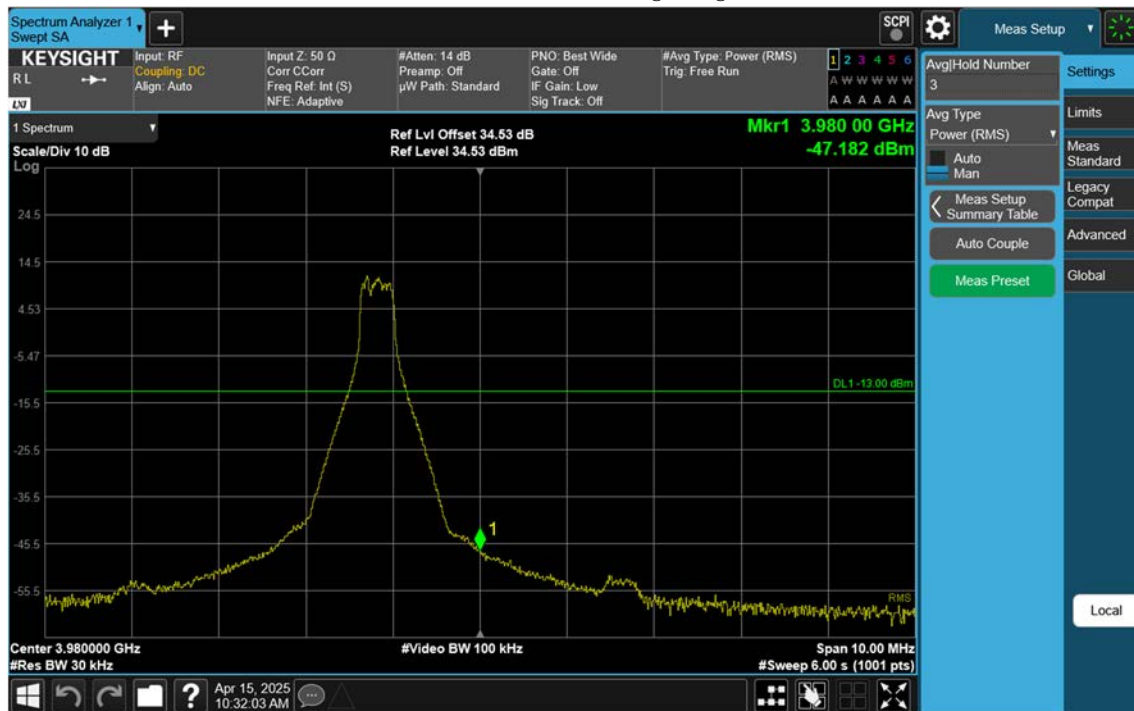
n77(3700~3980 MHz)_70 M_Band Edge_Low_BPSK_1RB(3)



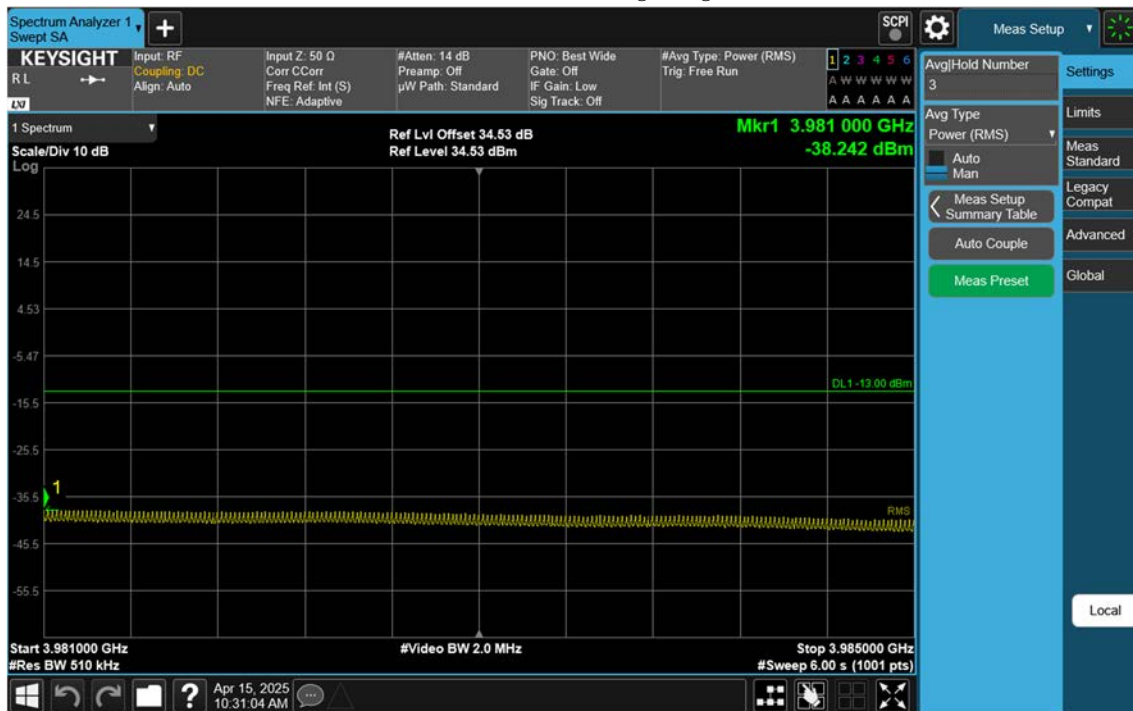
n77(3700~3980 MHz)_70 M_Band Edge_High_BPSK_FullRB(1)



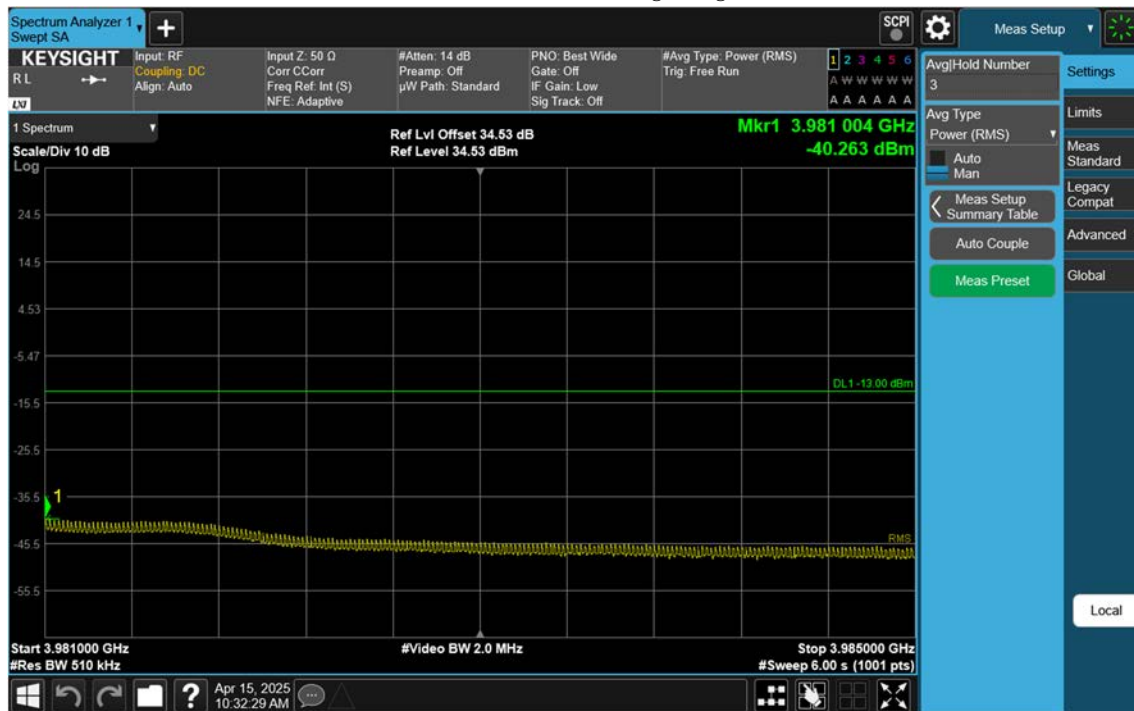
n77(3700~3980 MHz)_70 M_Band Edge_High_BPSK_1RB(1)



n77(3700~3980 MHz)_70 M_Band Edge_High_BPSK_FullRB(2)



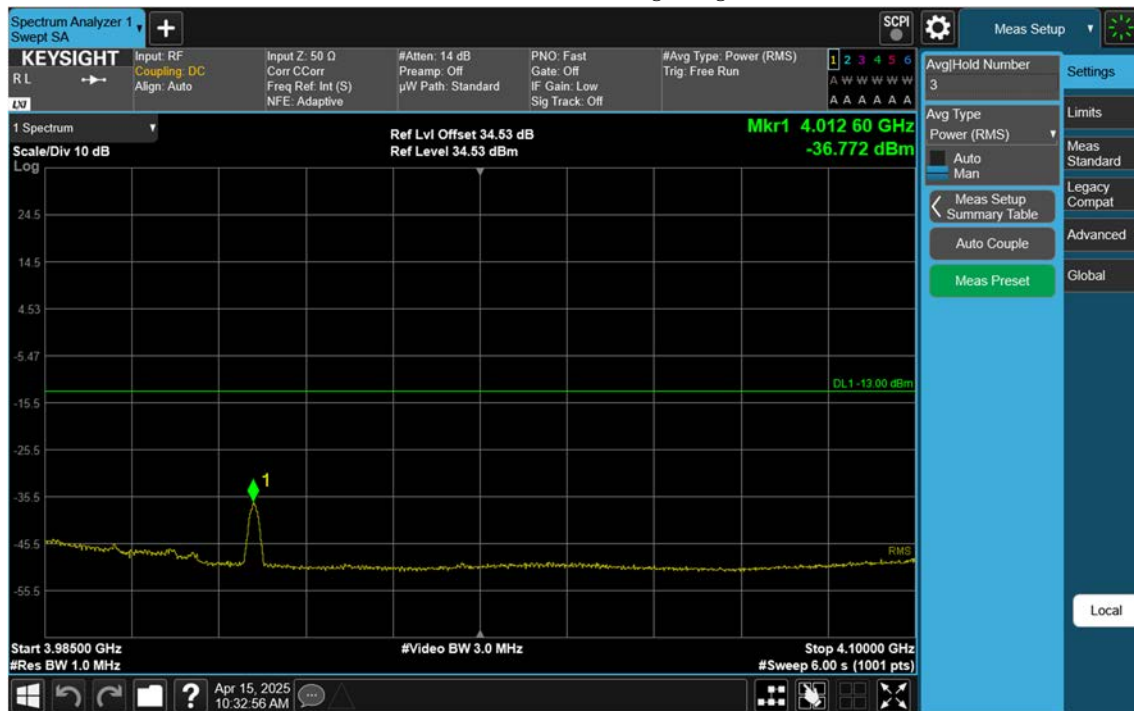
n77(3700~3980 MHz)_70 M_Band Edge_High_BPSK_1RB(2)



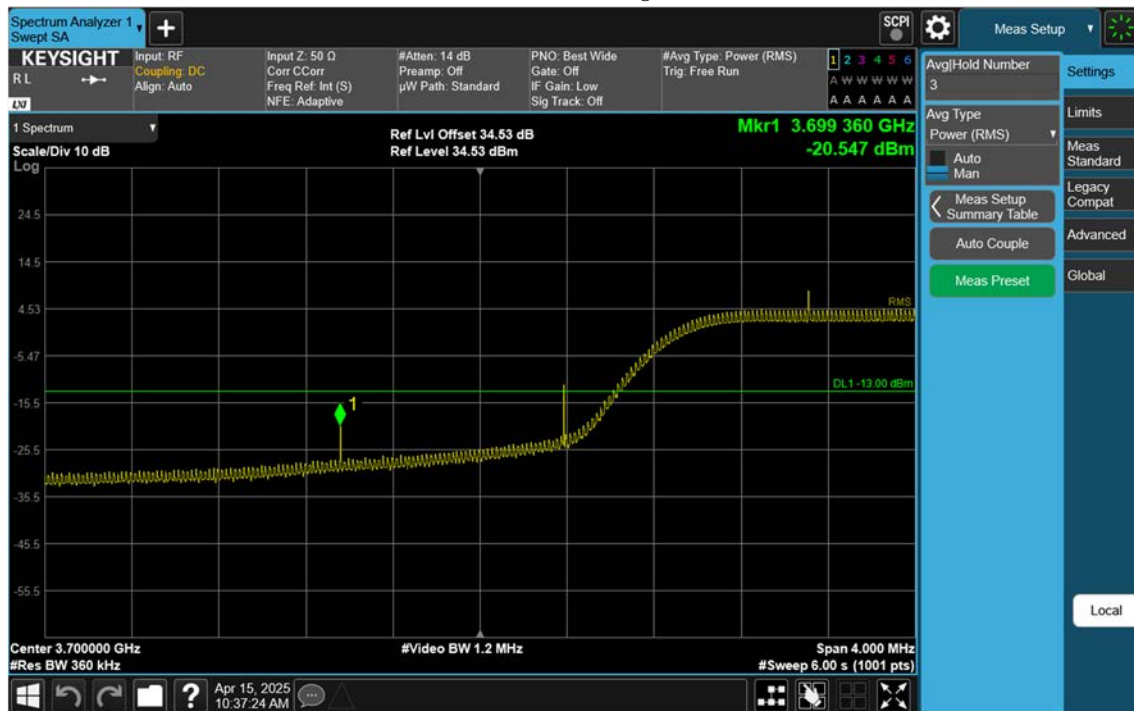
n77(3700~3980 MHz)_70 M_Band Edge_High_BPSK_FullRB(3)



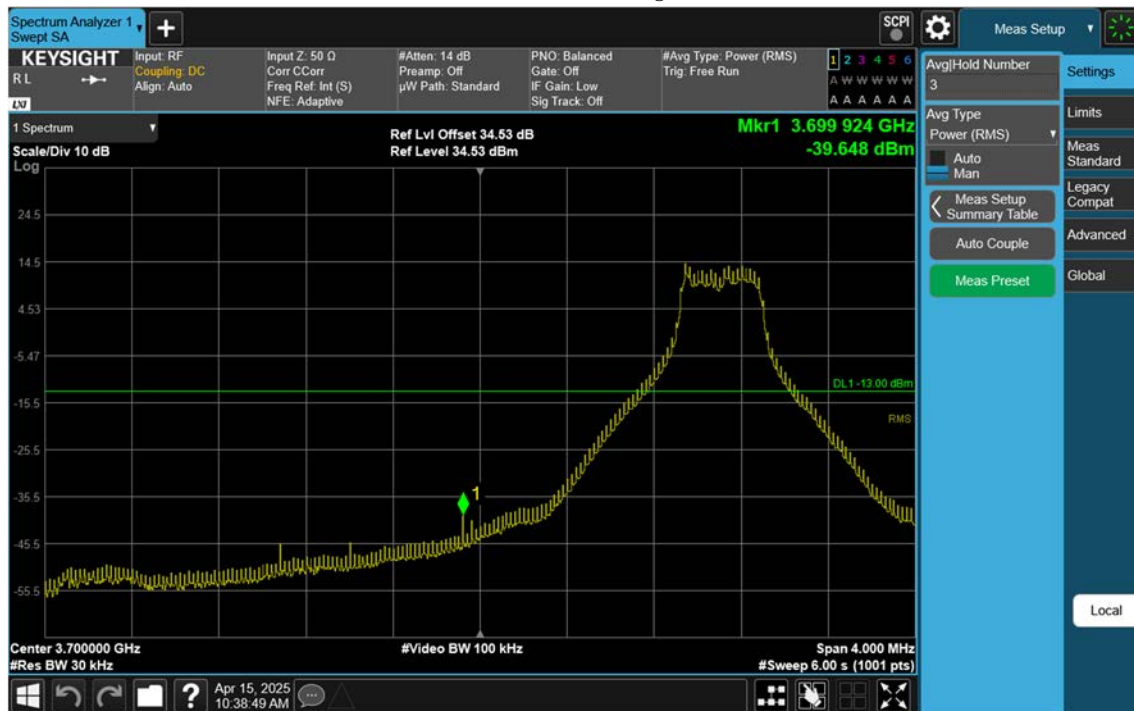
n77(3700~3980 MHz)_70 M_Band Edge_High_BPSK_1RB(3)



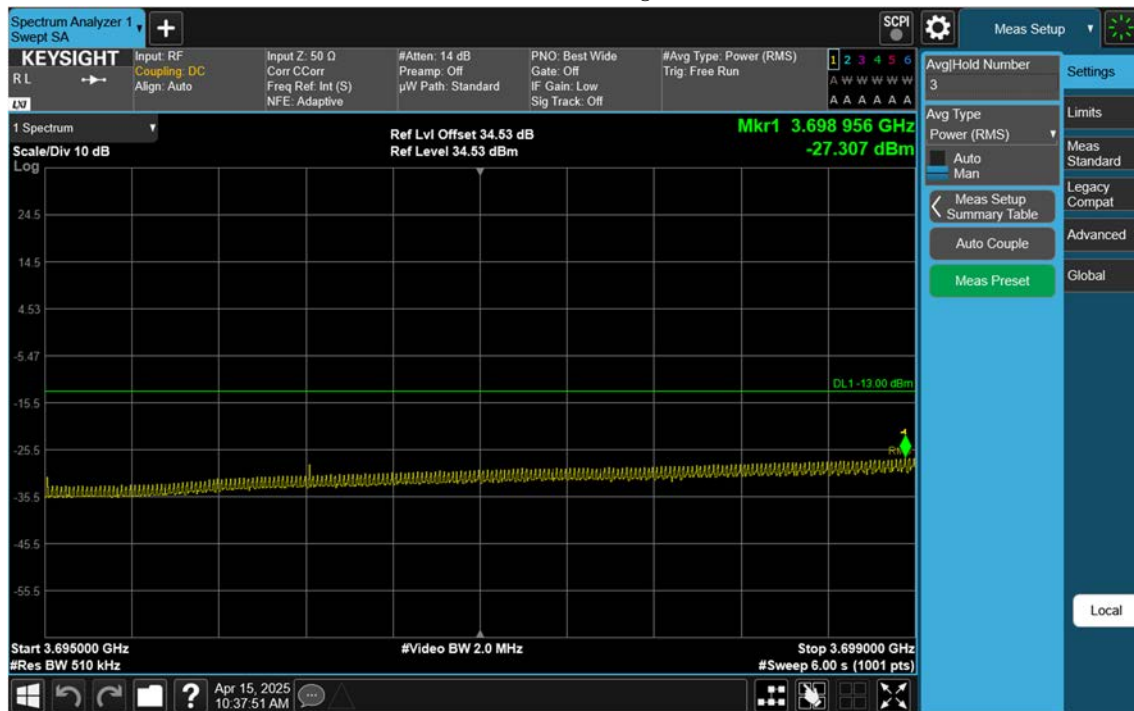
n77(3700~3980 MHz)_80 M_Band Edge_Low_BPSK_FullRB(1)



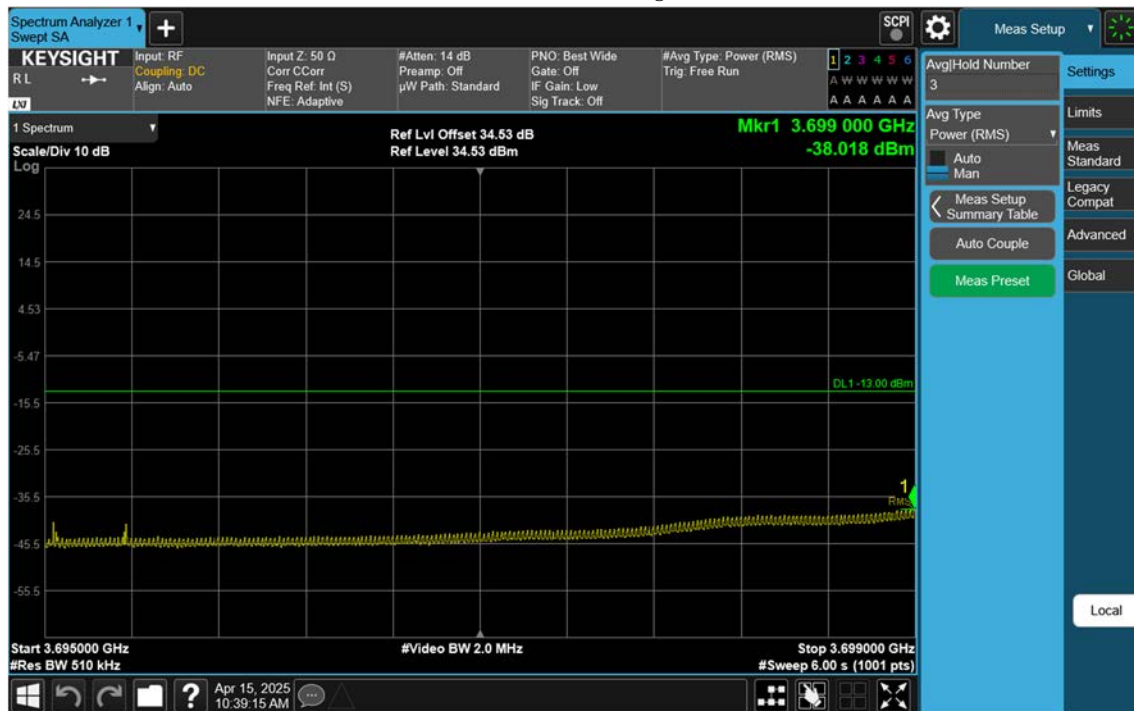
n77(3700~3980 MHz)_80 M_Band Edge_Low_BPSK_1RB(1)



n77(3700~3980 MHz)_80 M_Band Edge_Low_BPSK_FullRB(2)



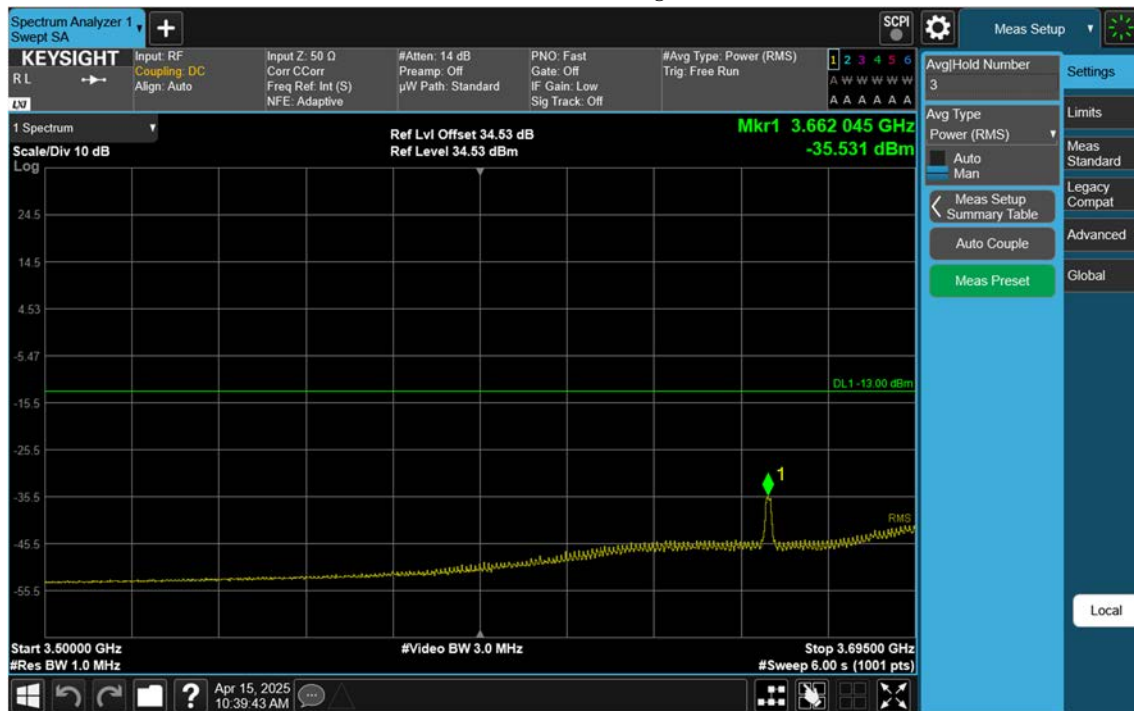
n77(3700~3980 MHz)_80 M_Band Edge_Low_BPSK_1RB(2)



n77(3700~3980 MHz)_80 M_Band Edge_Low_BPSK_FullRB(3)



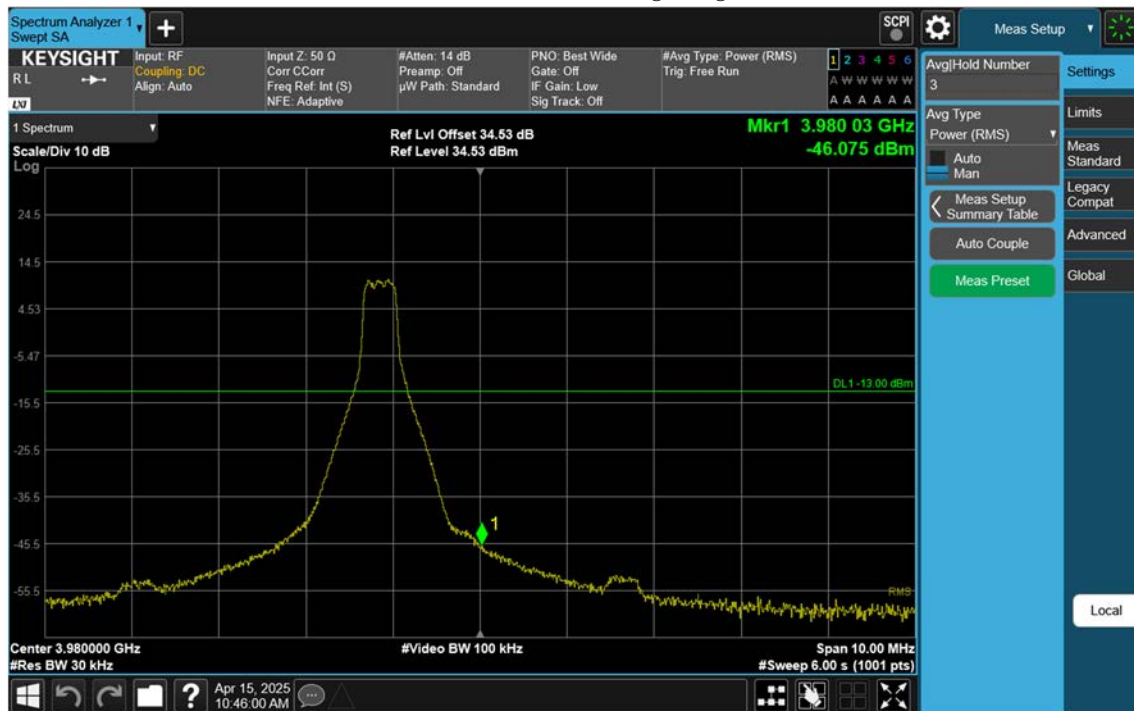
n77(3700~3980 MHz)_80 M_Band Edge_Low_BPSK_1RB(3)



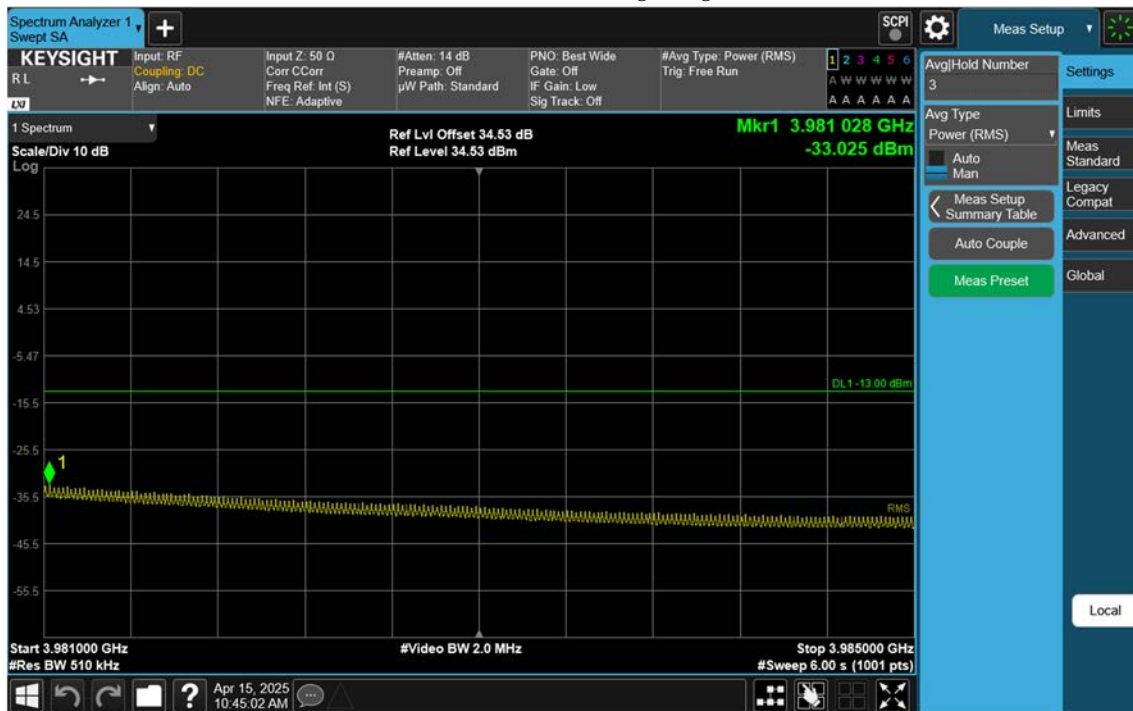
n77(3700~3980 MHz)_80 M_Band Edge_High_BPSK_FullRB(1)



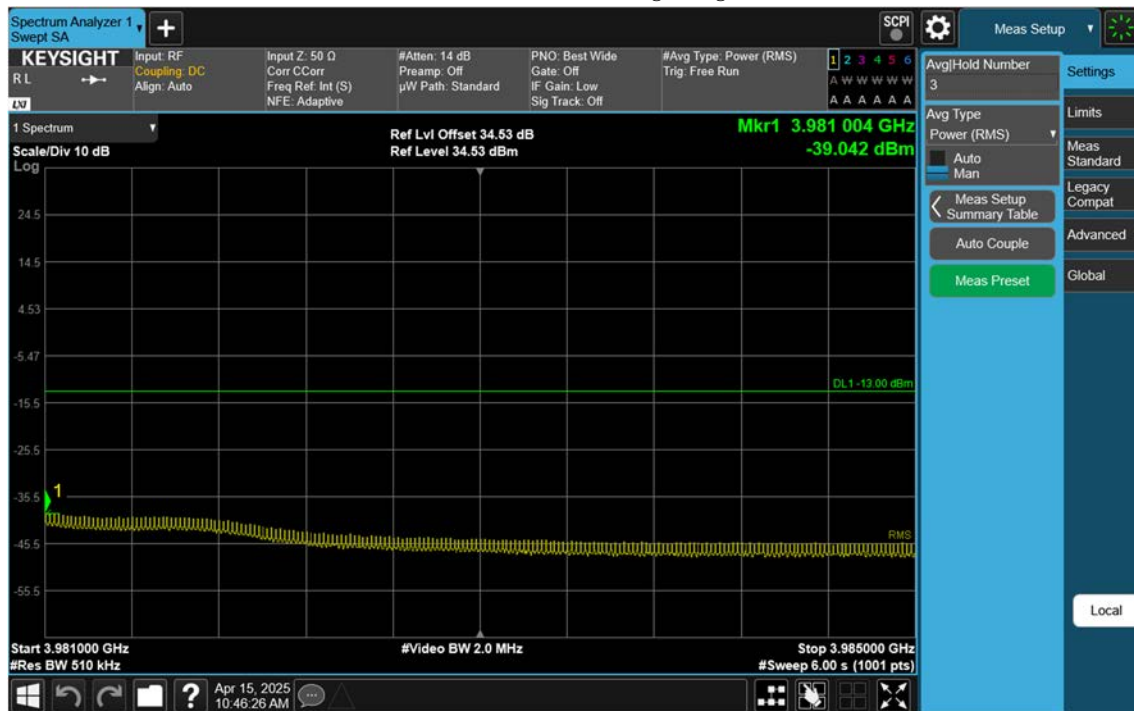
n77(3700~3980 MHz)_80 M_Band Edge_High_BPSK_1RB(1)



n77(3700~3980 MHz)_80 M_Band Edge_High_BPSK_FullRB(2)



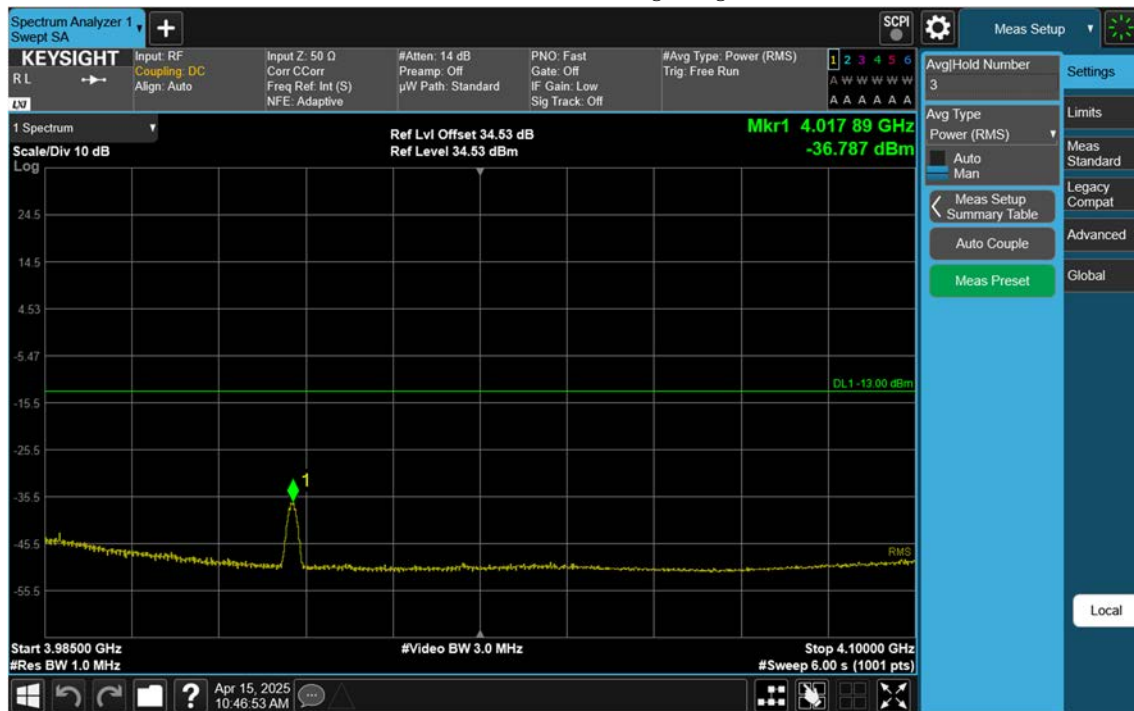
n77(3700~3980 MHz)_80 M_Band Edge_High_BPSK_1RB(2)



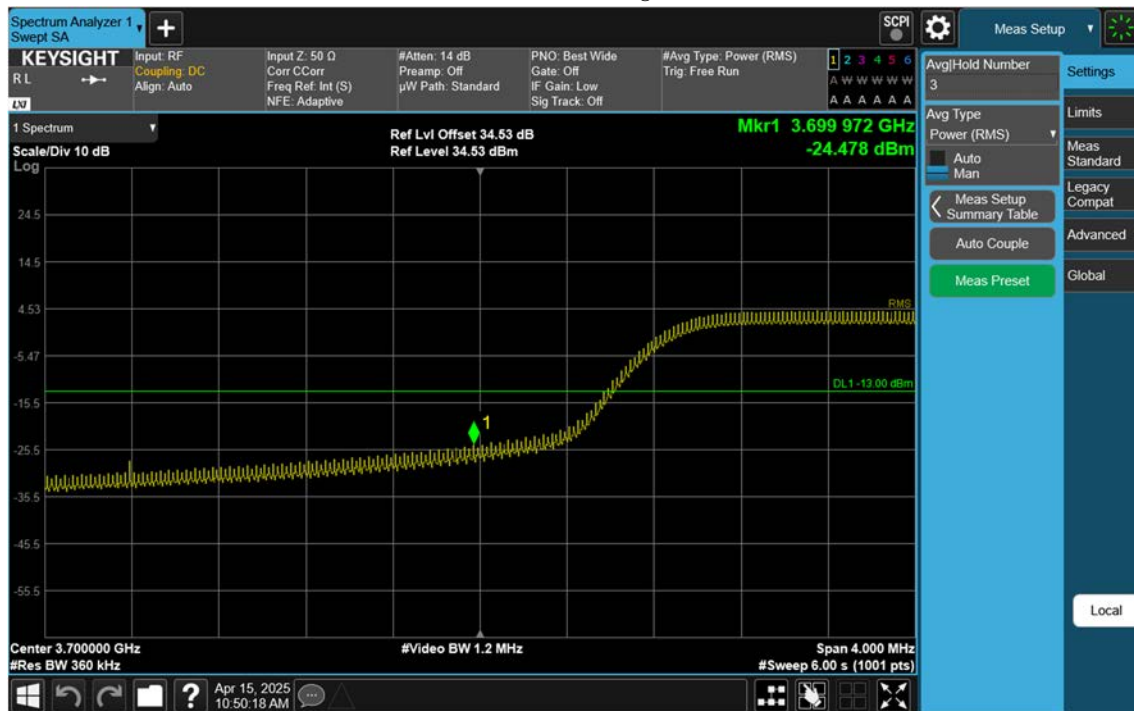
n77(3700~3980 MHz)_80 M_Band Edge_High_BPSK_FullRB(3)



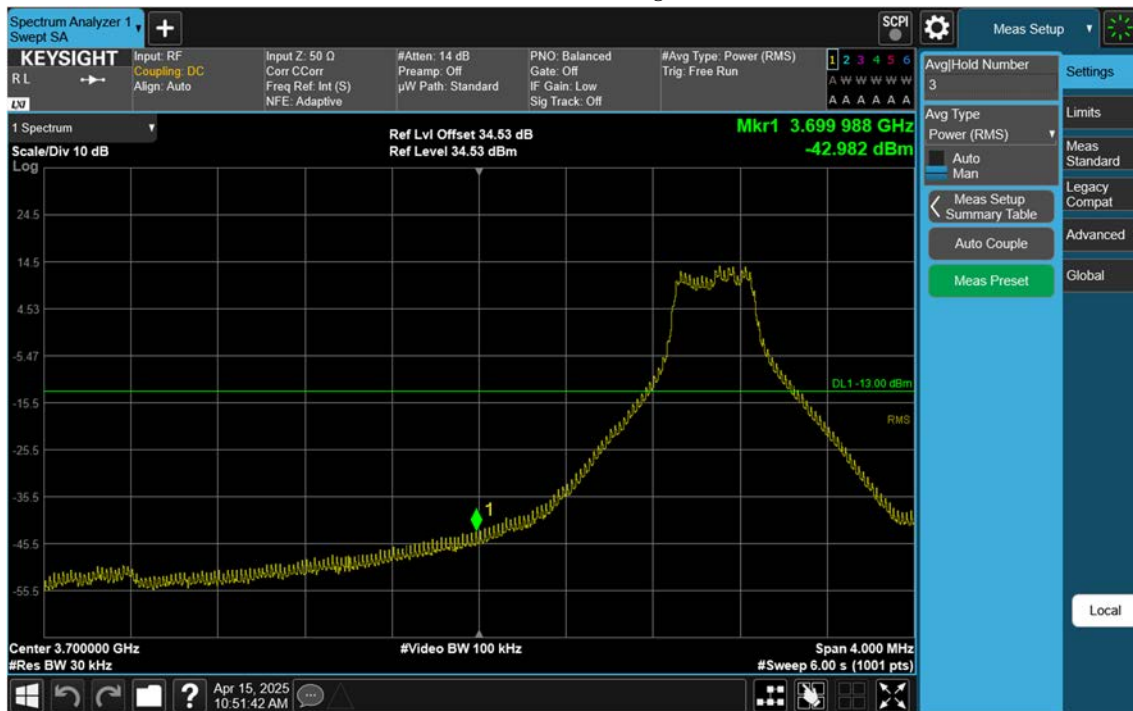
n77(3700~3980 MHz)_80 M_Band Edge_High_BPSK_1RB(3)



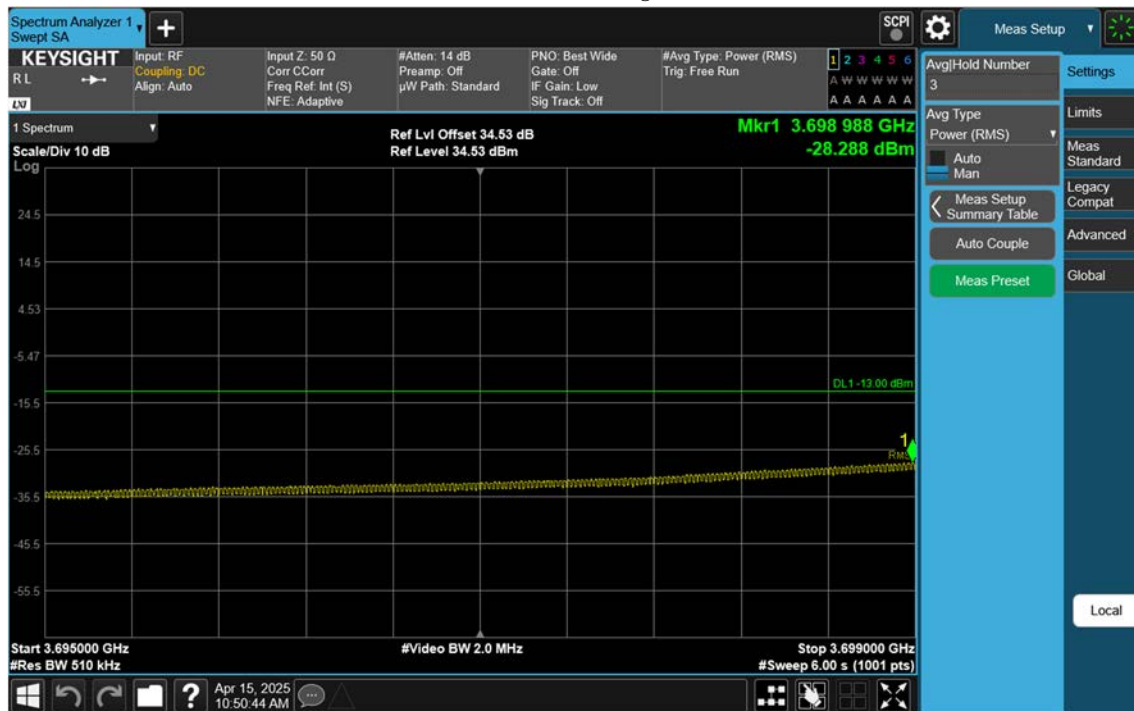
n77(3700~3980 MHz)_90 M_Band Edge_Low_BPSK_FullRB(1)



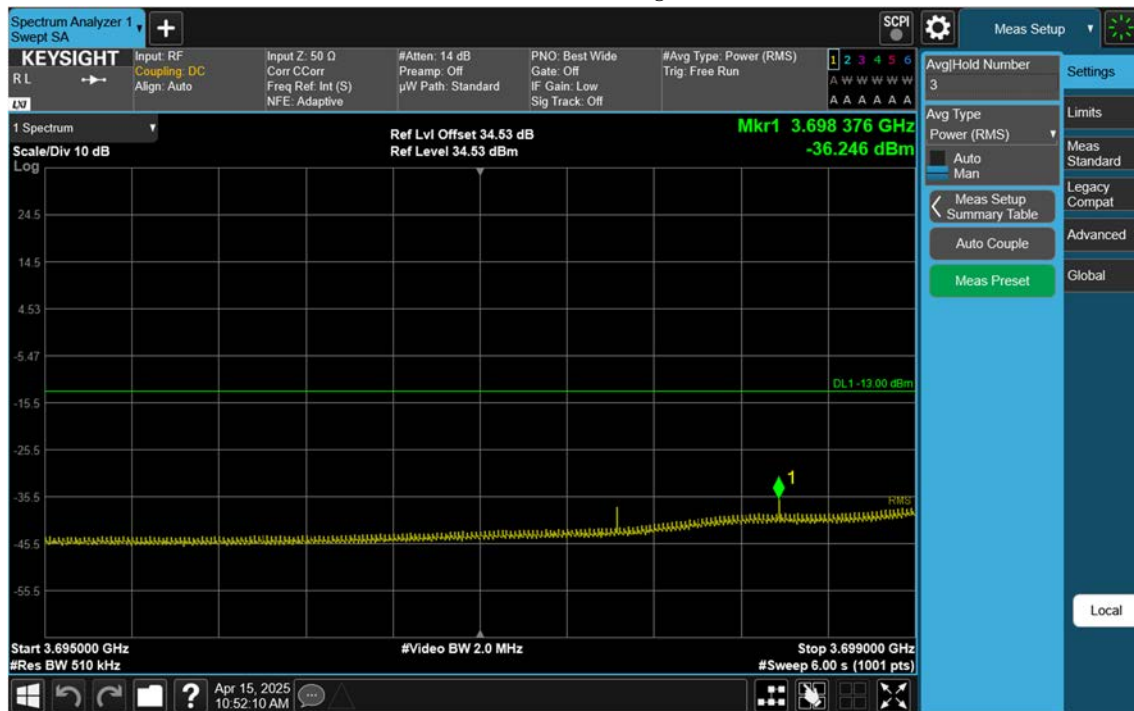
n77(3700~3980 MHz)_90 M_Band Edge_Low_BPSK_1RB(1)



n77(3700~3980 MHz)_90 M_Band Edge_Low_BPSK_FullRB(2)



n77(3700~3980 MHz)_90 M_Band Edge_Low_BPSK_1RB(2)



n77(3700~3980 MHz)_90 M_Band Edge_Low_BPSK_FullRB(3)



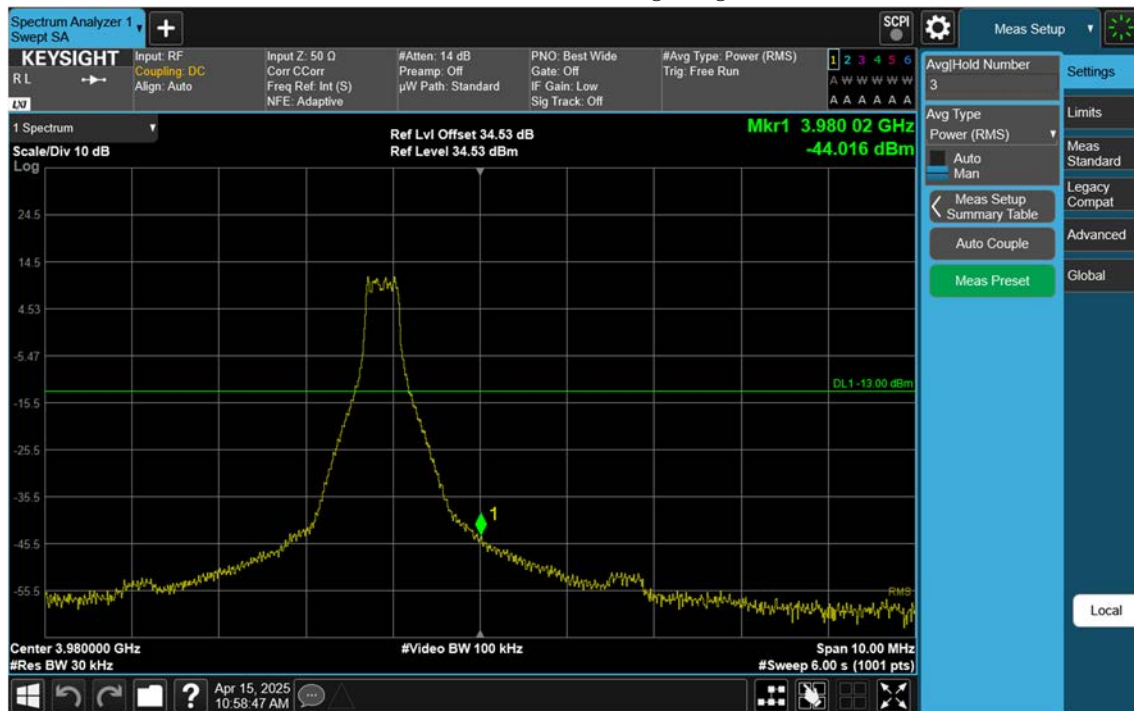
n77(3700~3980 MHz)_90 M_Band Edge_Low_BPSK_1RB(3)



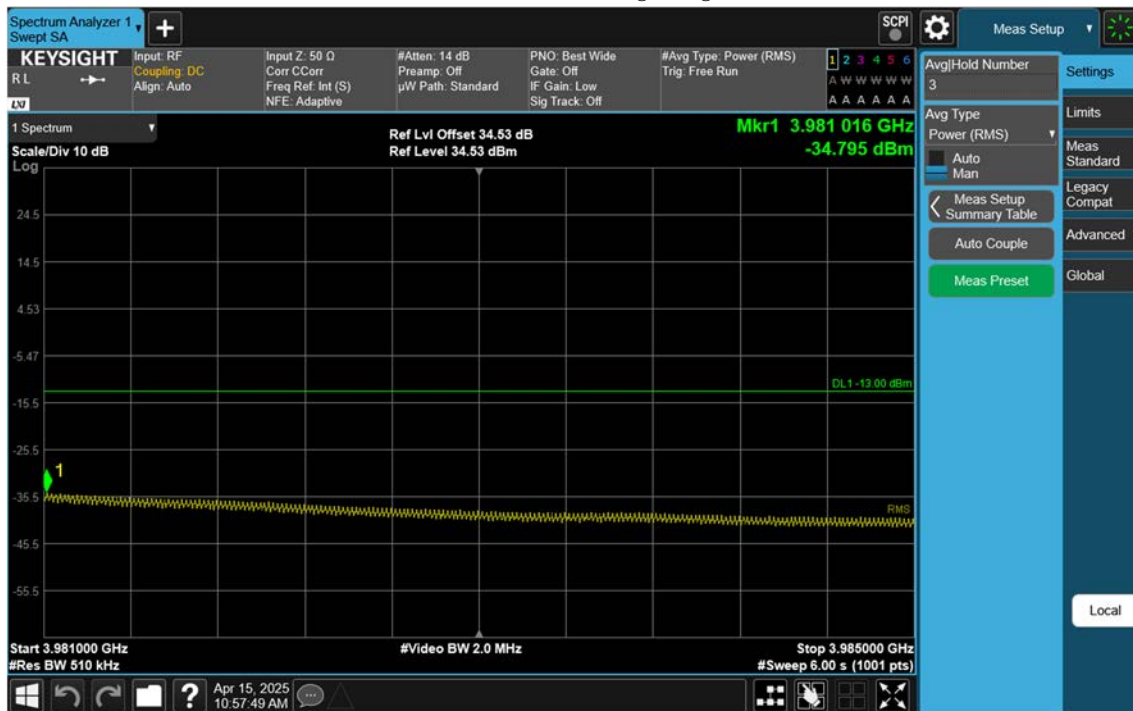
n77(3700~3980 MHz)_90 M_Band Edge_High_BPSK_FullRB(1)



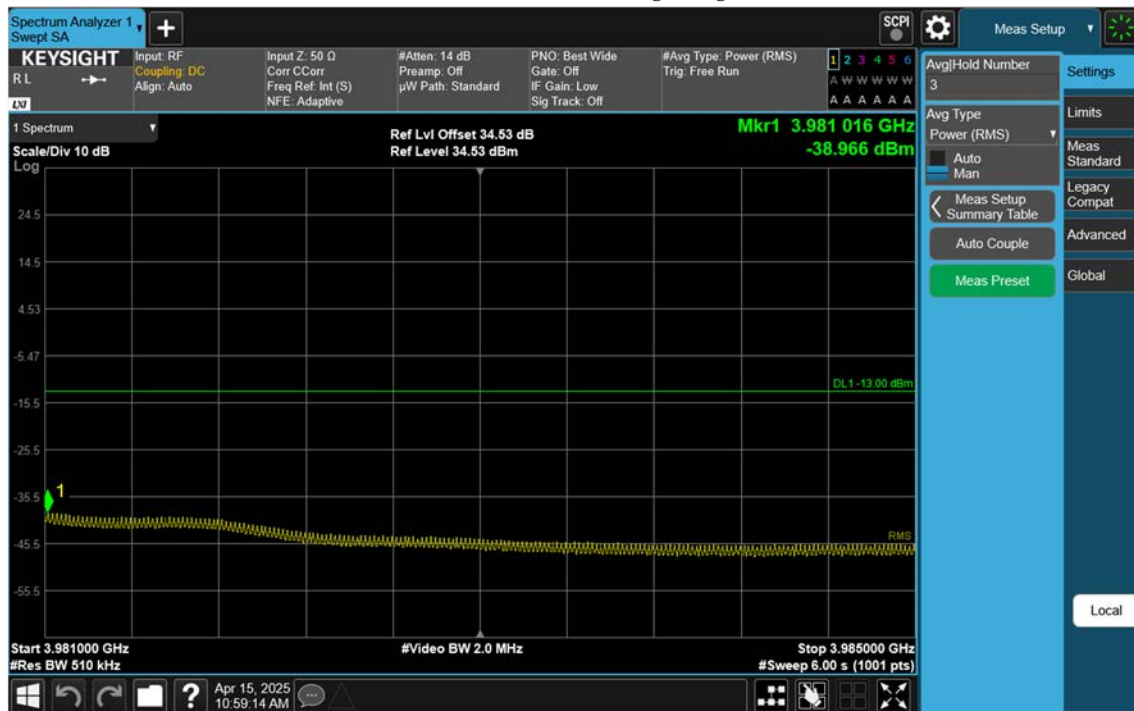
n77(3700~3980 MHz)_90 M_Band Edge_High_BPSK_1RB(1)



n77(3700~3980 MHz)_90 M_Band Edge_High_BPSK_FullRB(2)



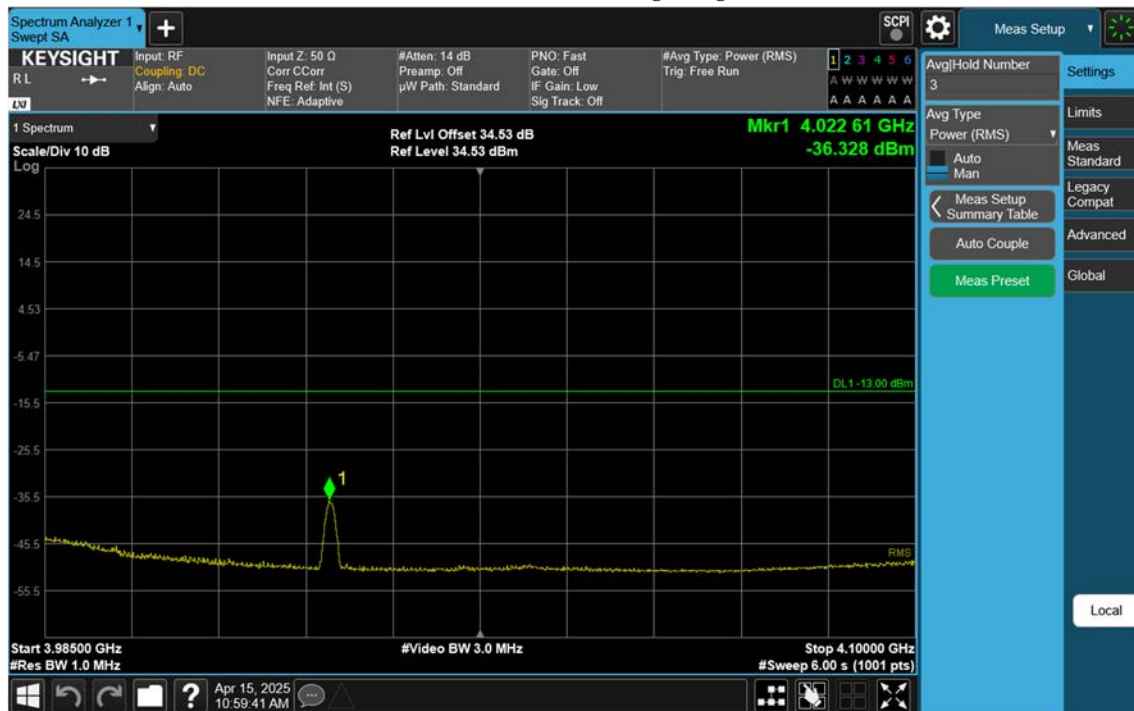
n77(3700~3980 MHz)_90 M_Band Edge_High_BPSK_1RB(2)



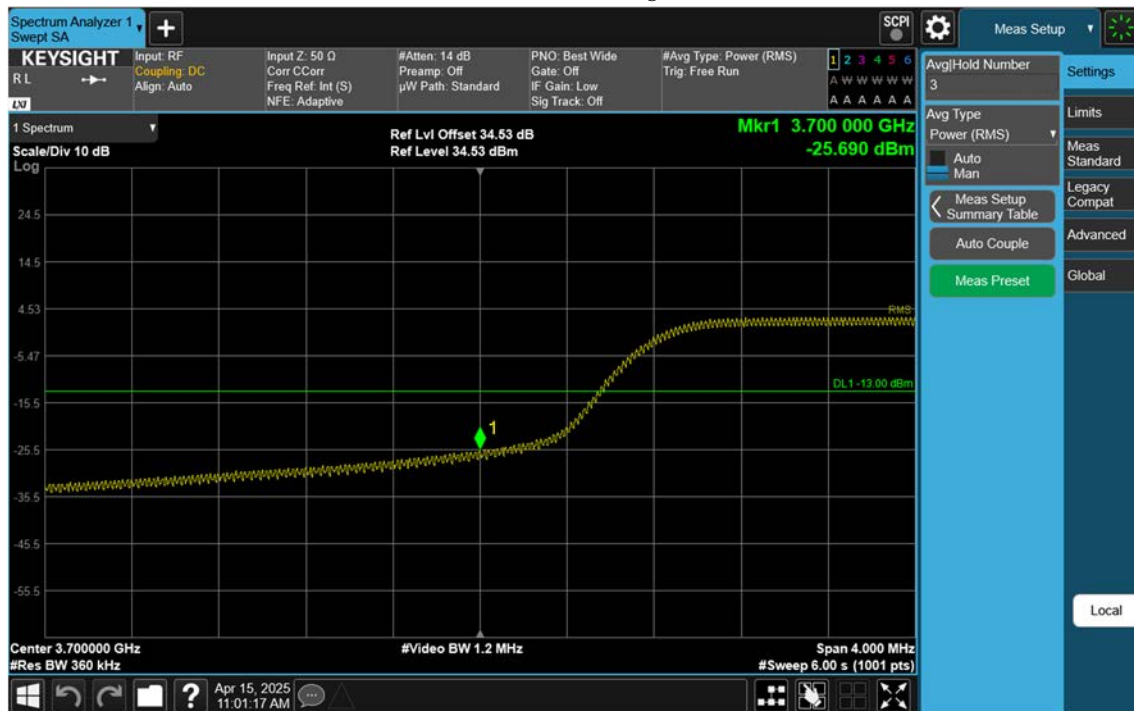
n77(3700~3980 MHz)_90 M_Band Edge_High_BPSK_FullRB(3)



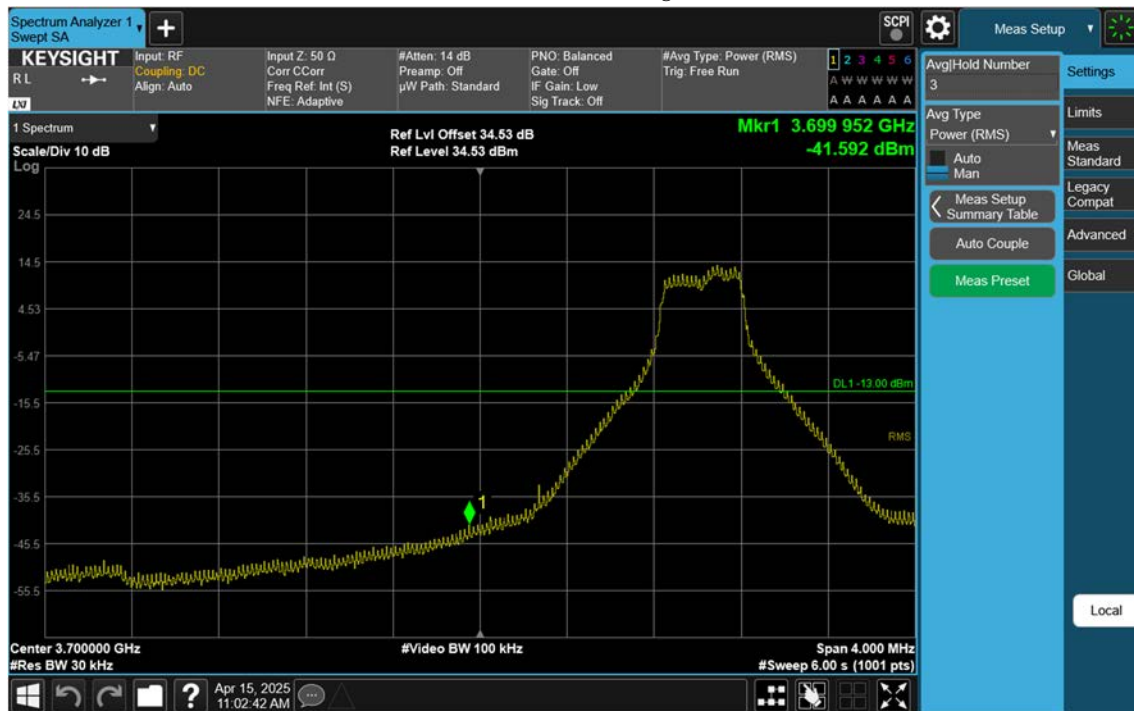
n77(3700~3980 MHz)_90 M_Band Edge_High_BPSK_1RB(3)



n77(3700~3980 MHz)_100 M_Band Edge_Low_BPSK_FullRB(1)



n77(3700~3980 MHz)_100 M_Band Edge_Low_BPSK_1RB(1)



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
 μ W Path: Standard

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

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

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

SCPI

Meas Setup

Avg/Hold Number
3

Avg Type
Power (RMS)

Auto
Man

Meas Setup
Summary Table

Auto Couple

Meas Preset

Settings

Limits

Meas
Standard

Legacy
Compat

Advanced

Global

Local

1 Spectrum

Scale/Div 10 dB

Log

Ref Lvl Offset 34.53 dB

Ref Level 34.53 dBm

Mkr1 3.698 992 GHz

-27.534 dBm

DL1 -13.00 dBm

1

Start 3.695000 GHz

#Res BW 510 kHz

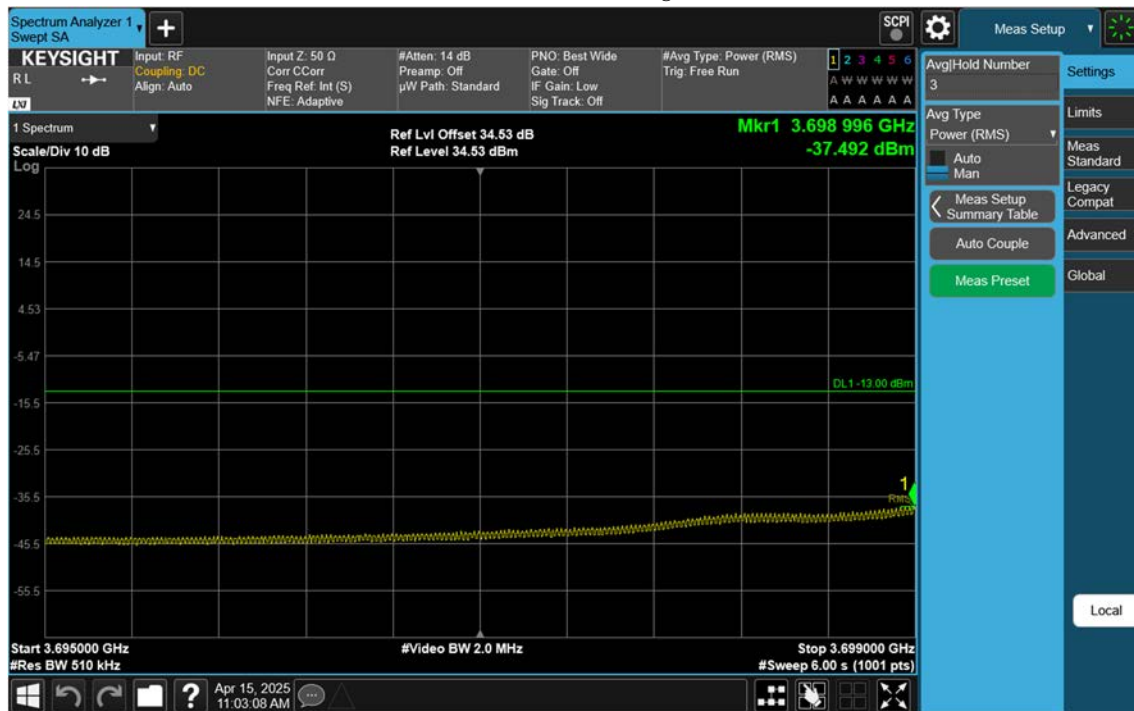
#Video BW 2.0 MHz

Stop 3.699000 GHz

#Sweep 6.00 s (1001 pts)

Apr 15, 2025
11:01:43 AM

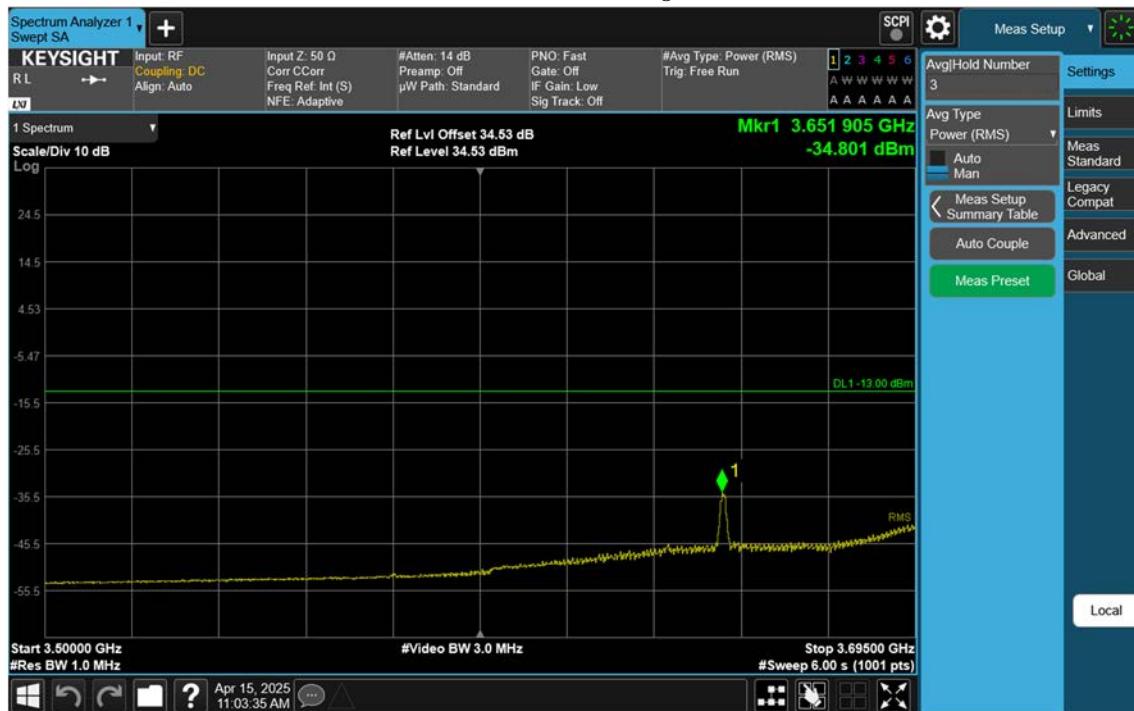
n77(3700~3980 MHz)_100 M_Band Edge_Low_BPSK_1RB(2)



n77(3700~3980 MHz)_100 M_Band Edge_Low_BPSK_FullRB(3)



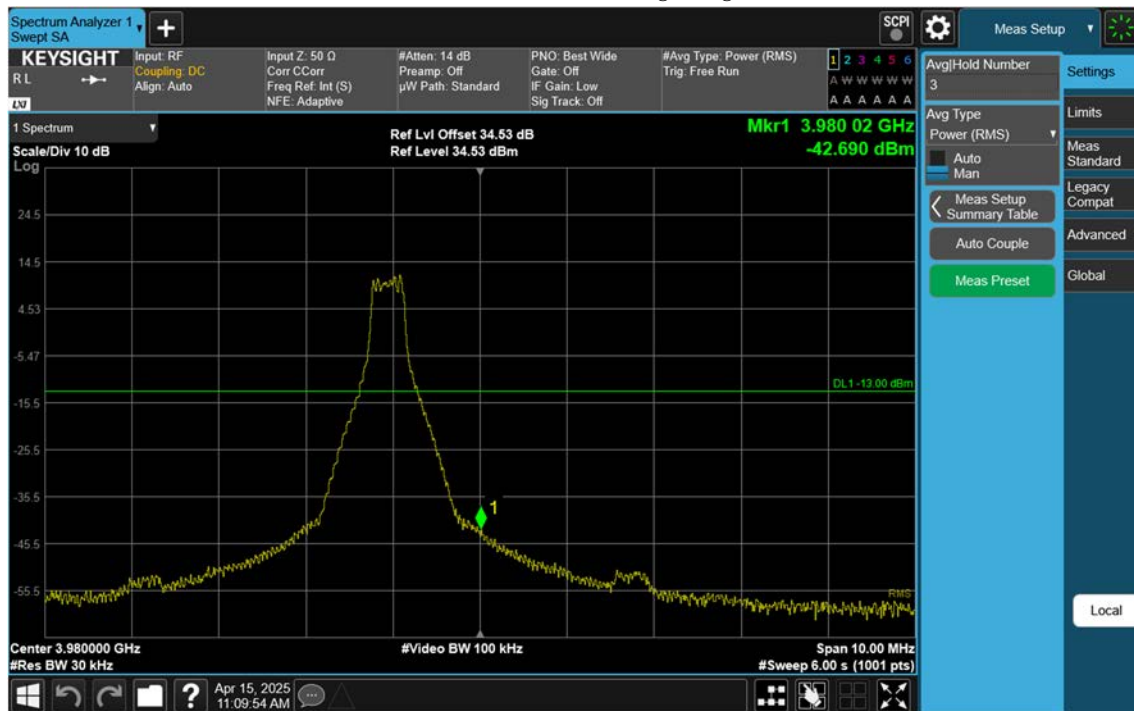
n77(3700~3980 MHz)_100 M_Band Edge_Low_BPSK_1RB(3)



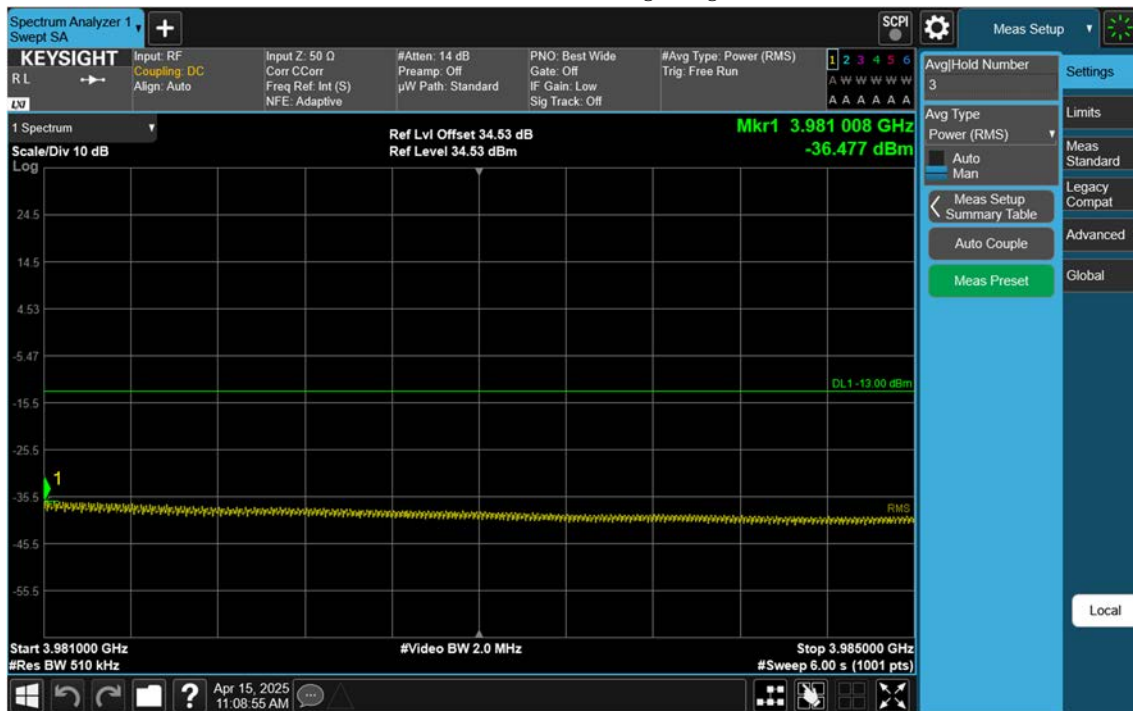
n77(3700~3980 MHz)_100 M_Band Edge_High_BPSK_FullRB(1)



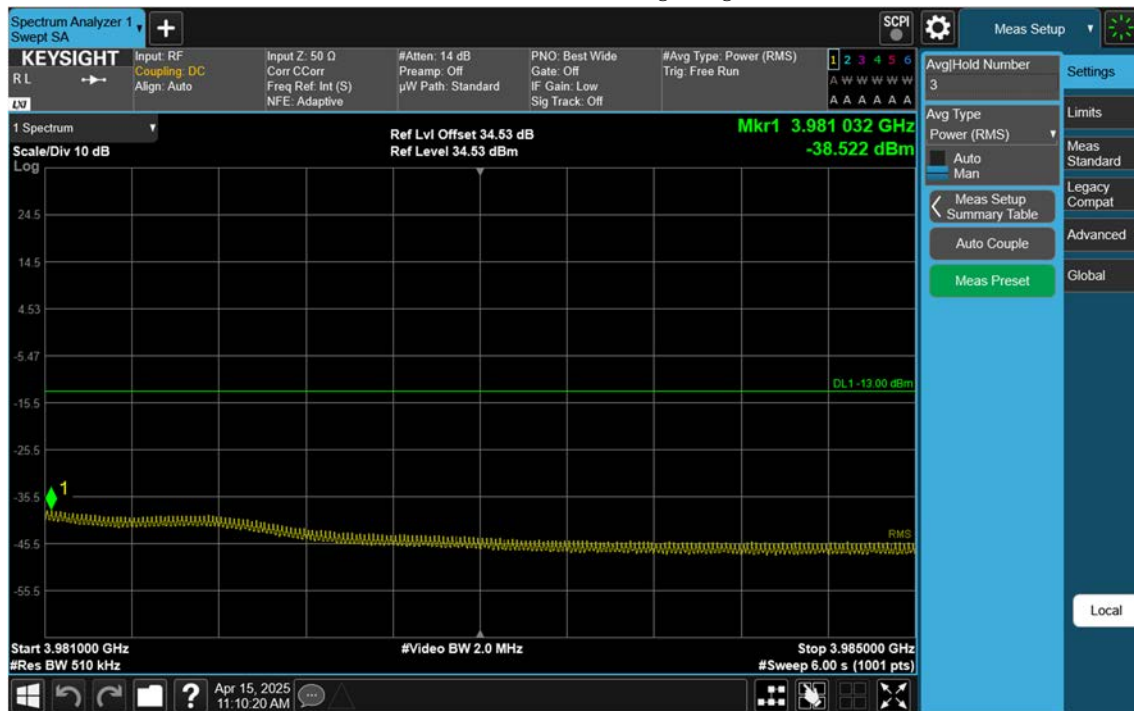
n77(3700~3980 MHz)_100 M_Band Edge_High_BPSK_1RB(1)



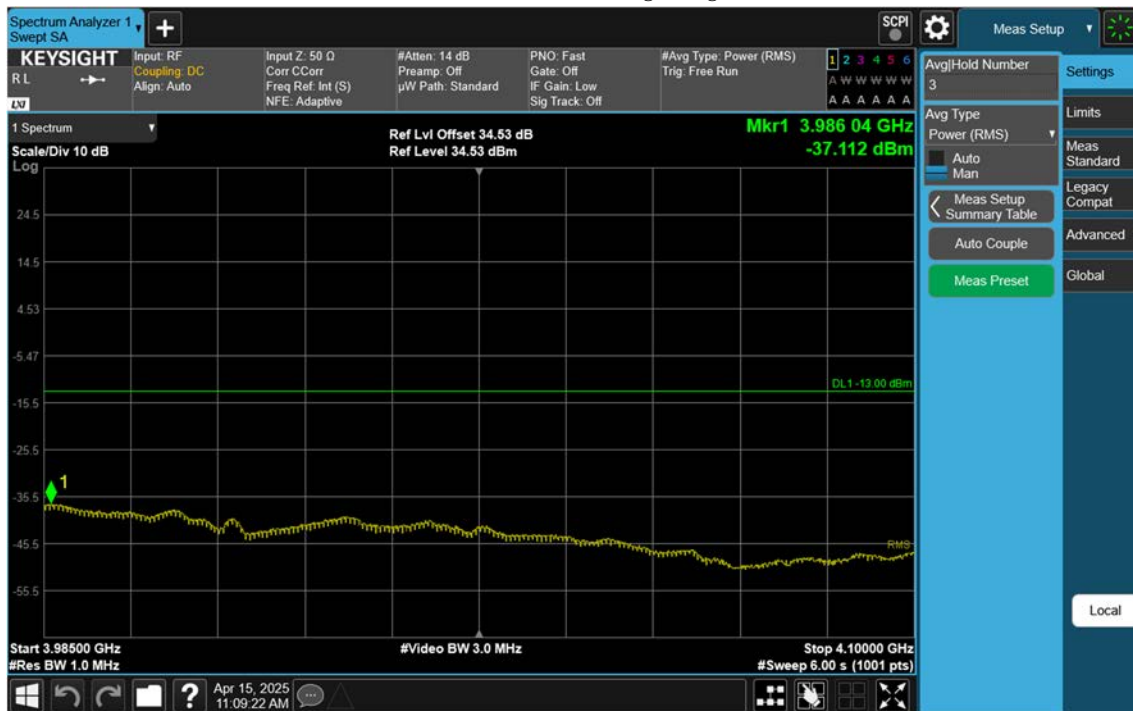
n77(3700~3980 MHz)_100 M_Band Edge_High_BPSK_FullIRB(2)



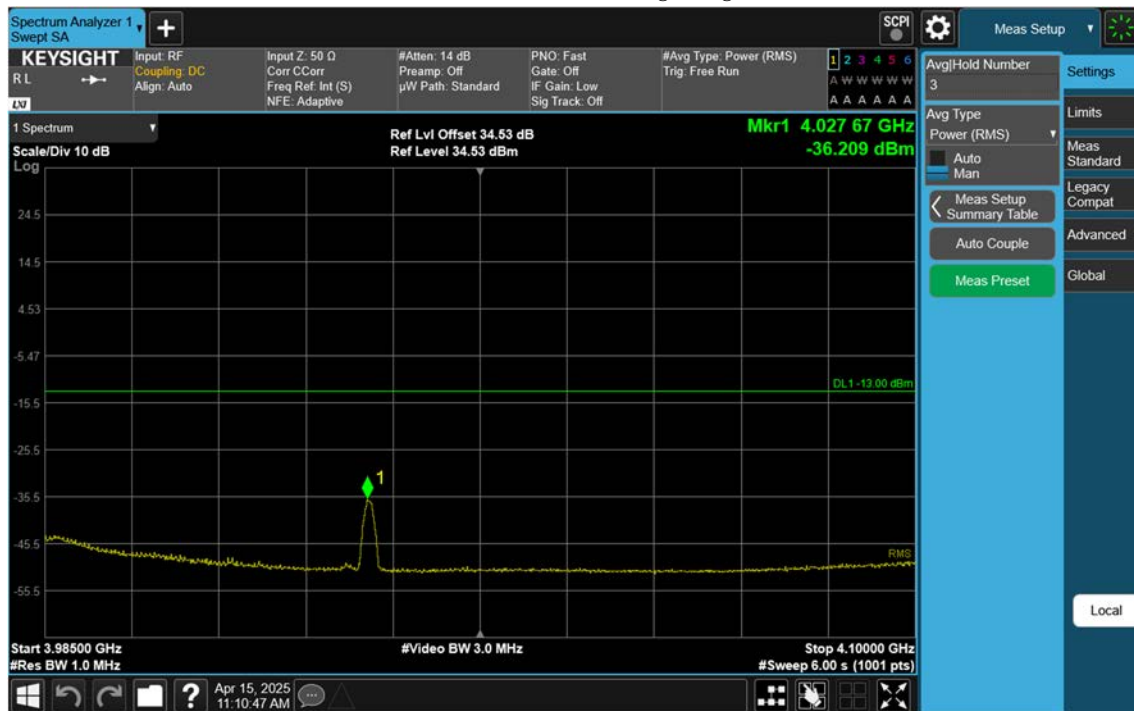
n77(3700~3980 MHz)_100 M_Band Edge_High_BPSK_1RB(2)



n77(3700~3980 MHz)_100 M_Band Edge_High_BPSK_FullIRB(3)



n77(3700~3980 MHz)_100 M_Band Edge_High_BPSK_1RB(3)



12. ANNEX A_ TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-2505-FC043-P