

Keysight Spectrum Analyzer 1
Swept SA

Input: RF
Coupling: DC
Align: Auto

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

#Atten: 24 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

Center Frequency: 3.983000000 GHz
Span: 4.000000000 MHz
Swept Span: ☒ **Zero Span:** ☐
Full Span: ☐
Start Freq: 3.981000000 GHz
Stop Freq: 3.985000000 GHz
AUTO TUNE
CF Step: 400.000 kHz
Auto: ☒ **Man:** ☐
Freq Offset: 0 Hz
X Axis Scale: **Log:** ☒ **Lin:** ☐
Signal Track (Span Zoom): ☐

1 Spectrum
Scale/Div: 10 dB
Log

Ref Lvl Offset: 35.19 dB
Ref Level: 35.19 dBm

Mkr1: 3.981 020 GHz
-36.252 dBm

DL1: -13.00 dBm

Start: 3.981000 GHz
#Res BW: 510 kHz
#Video BW: 2.0 MHz
Stop: 3.985000 GHz
#Sweep: ~6.03 s (1001 pts)

May 28, 2025 10:12:15 AM

n77(3700~3980 MHz)_30 M_Band Edge_High_BPSK_1RB(2)



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



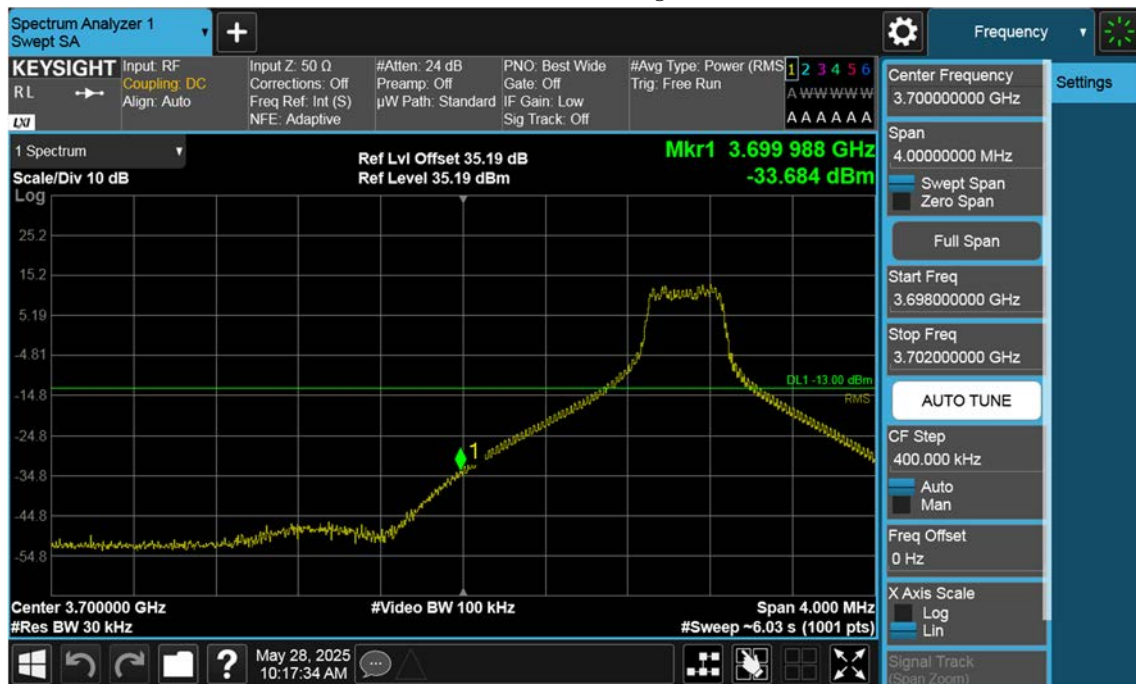
n77(3700~3980 MHz)_30 M_Band Edge_High_BPSK_1RB(3)



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)



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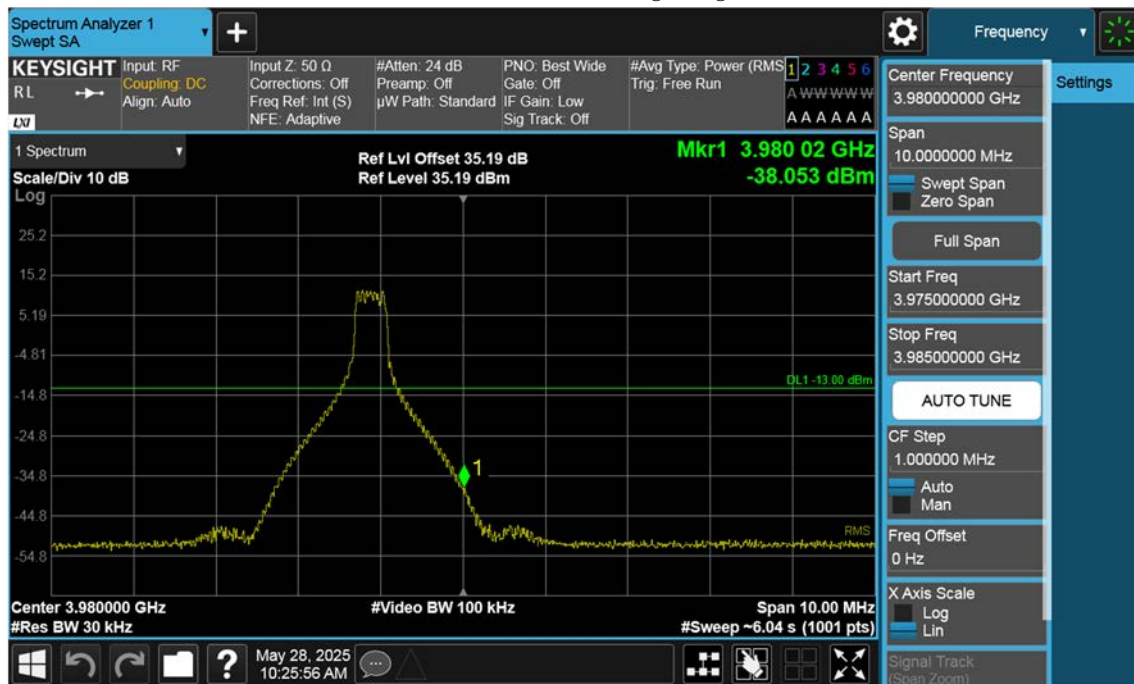
n77(3700~3980 MHz)_40 M_Band Edge_Low_BPSK_1RB(3)



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



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



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



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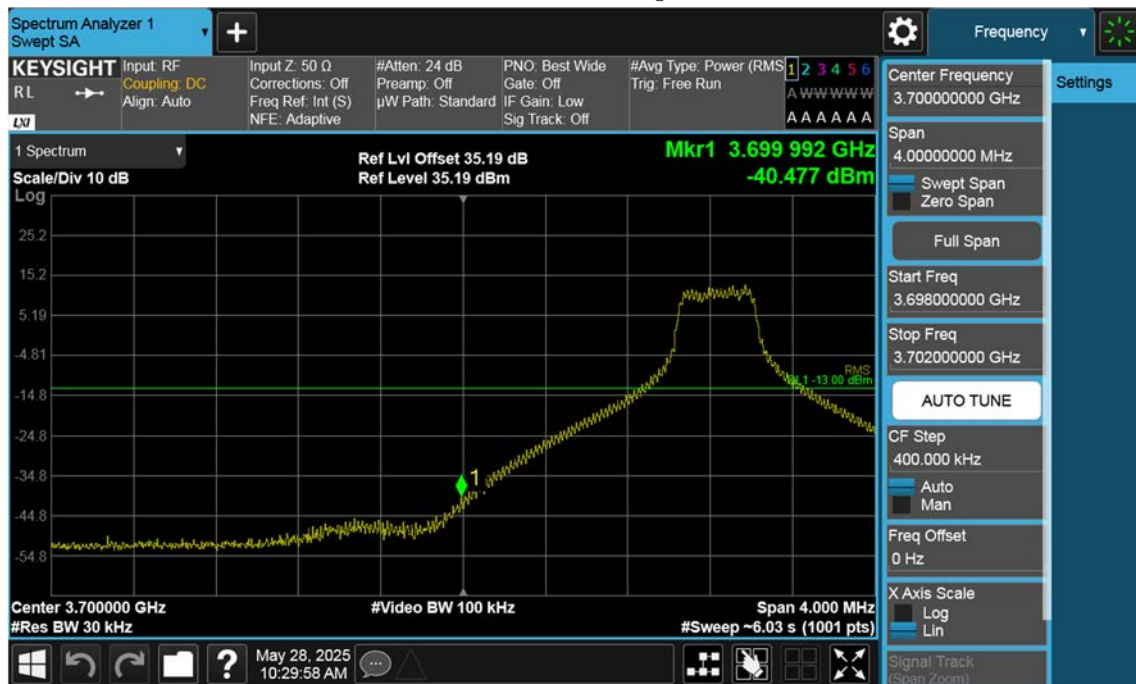
n77(3700~3980 MHz)_40 M_Band Edge_High_BPSK_1RB(3)



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



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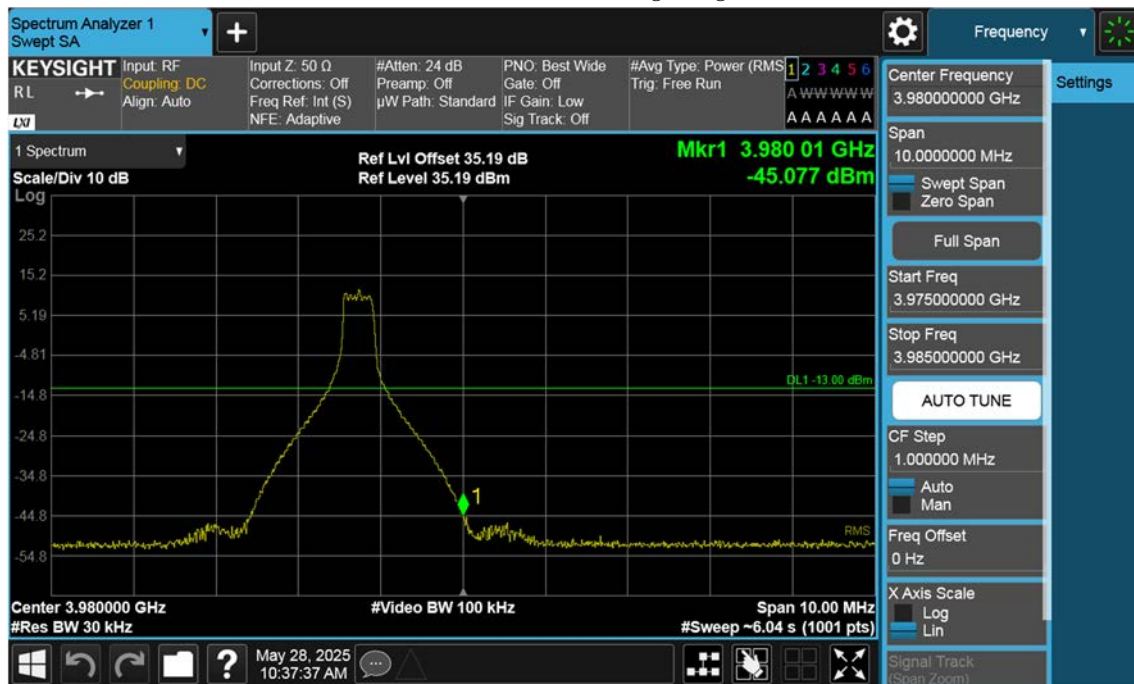
n77(3700~3980 MHz)_50 M_Band Edge_Low_BPSK_1RB(3)



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



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The screenshot displays the Keysight Spectrum Analyzer 1 interface. The main display area shows a spectrum plot with a green trace. The plot is titled "1 Spectrum" and has a "Scale/Div 10 dB" setting. The frequency range is from 3.98500 GHz to 4.10000 GHz, with a resolution bandwidth (RBW) of 3.0 MHz and a video bandwidth (VBW) of 3.0 MHz. The plot shows a signal at 4.07976 GHz with a power level of -37.489 dBm. The plot is labeled "Mkr1 4.079 76 GHz -37.489 dBm". The plot is also labeled "DL1 -13.00 dBm". The plot is labeled "RMS".

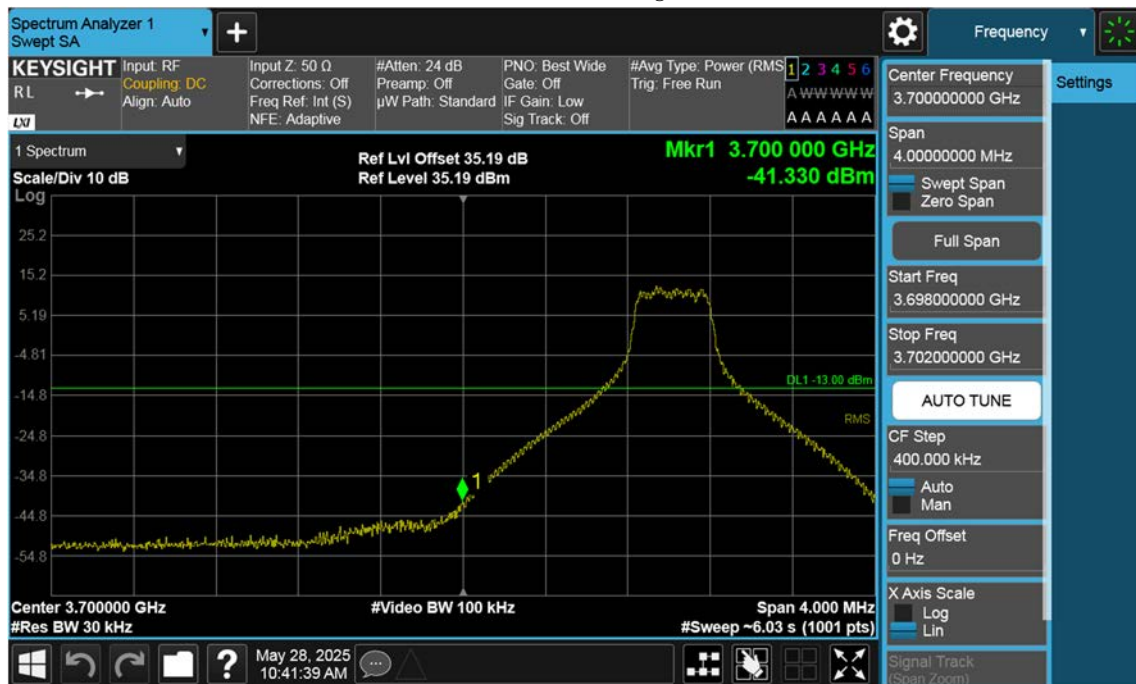
The interface includes a top menu bar with "Spectrum Analyzer 1" and "Swept SA". Below the menu bar is a toolbar with various icons. The main display area is divided into several sections: "Input: RF", "Coupling: DC", "Align: Auto", "Input Z: 50 Ω", "Corrections: Off", "Freq Ref: Int (S)", "NFE: Adaptive", "#Atten: 24 dB", "Preamp: Off", "μW Path: Standard", "PNO: Fast", "Gate: Off", "IF Gain: Low", "Sig Track: Off", "#Avg Type: Power (RMS)", "Trig: Free Run", and a frequency display showing "4.079 76 GHz".

On the right side of the interface, there is a "Settings" panel with various controls: "Center Frequency" (4.04250000 GHz), "Span" (115.000000 MHz), "Swept Span" (checked), "Zero Span" (unchecked), "Full Span" (button), "Start Freq" (3.98500000 GHz), "Stop Freq" (4.10000000 GHz), "AUTO TUNE" (button), "CF Step" (11.500000 MHz), "Auto" (checked), "Man" (unchecked), "Freq Offset" (0 Hz), "X Axis Scale" (Log checked, Lin unchecked), and "Signal Track (Span Zoom)" (button).

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



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



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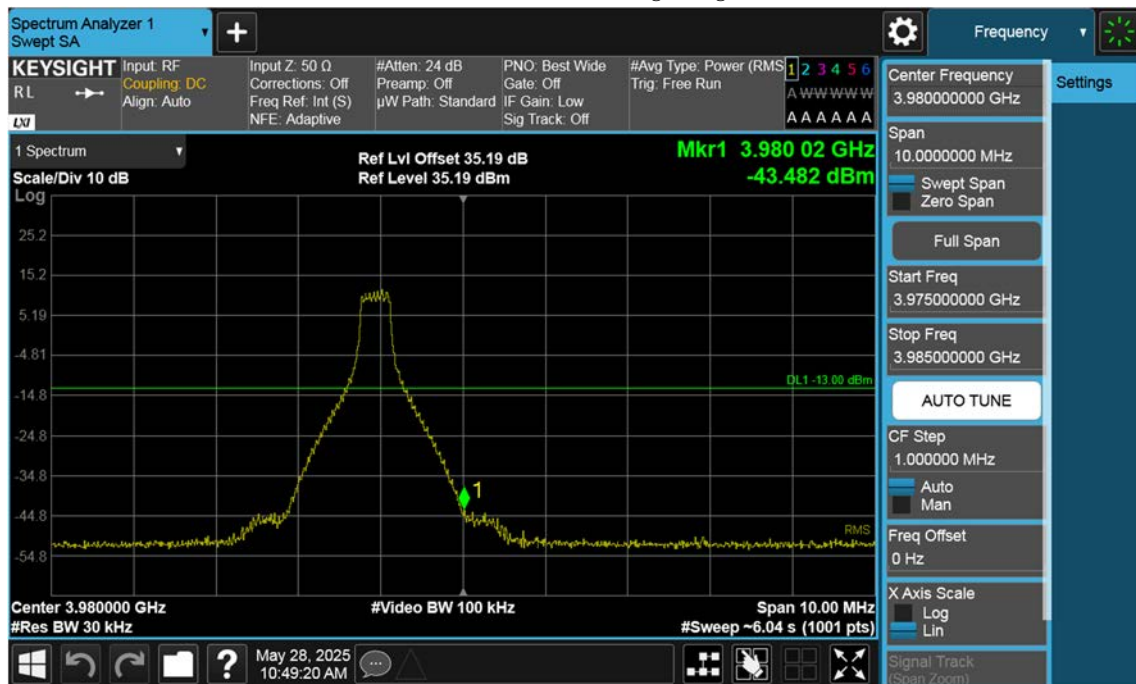
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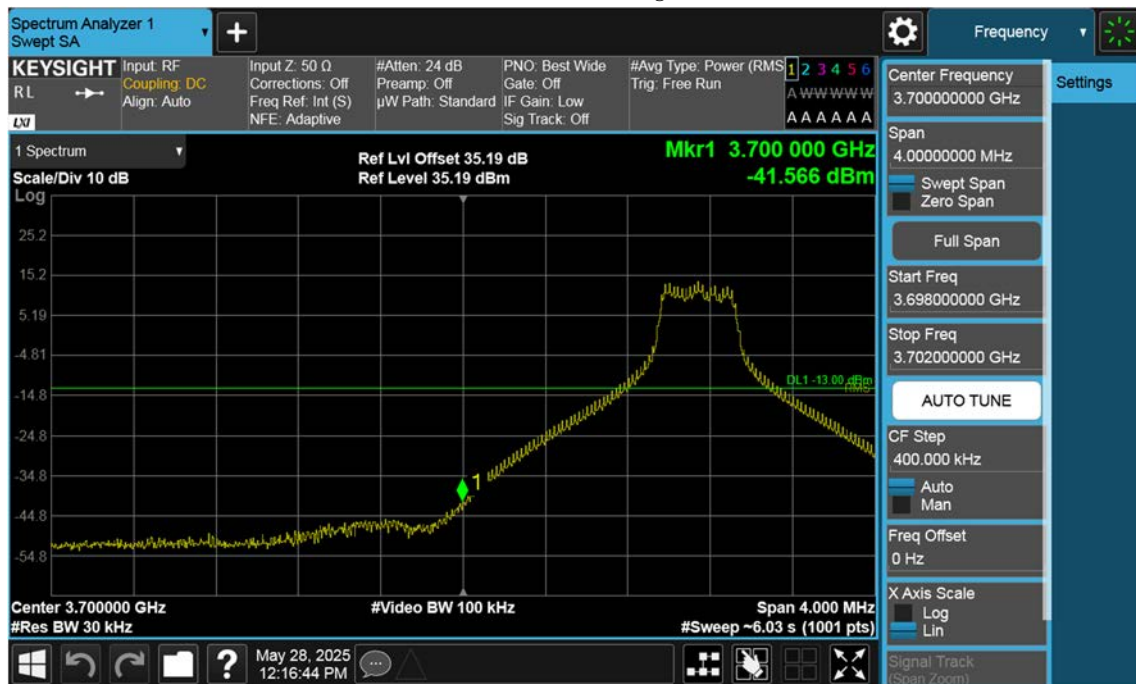
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n77(3700~3980 MHz)_70 M_Band Edge_Low_BPSK_FullRB(1)



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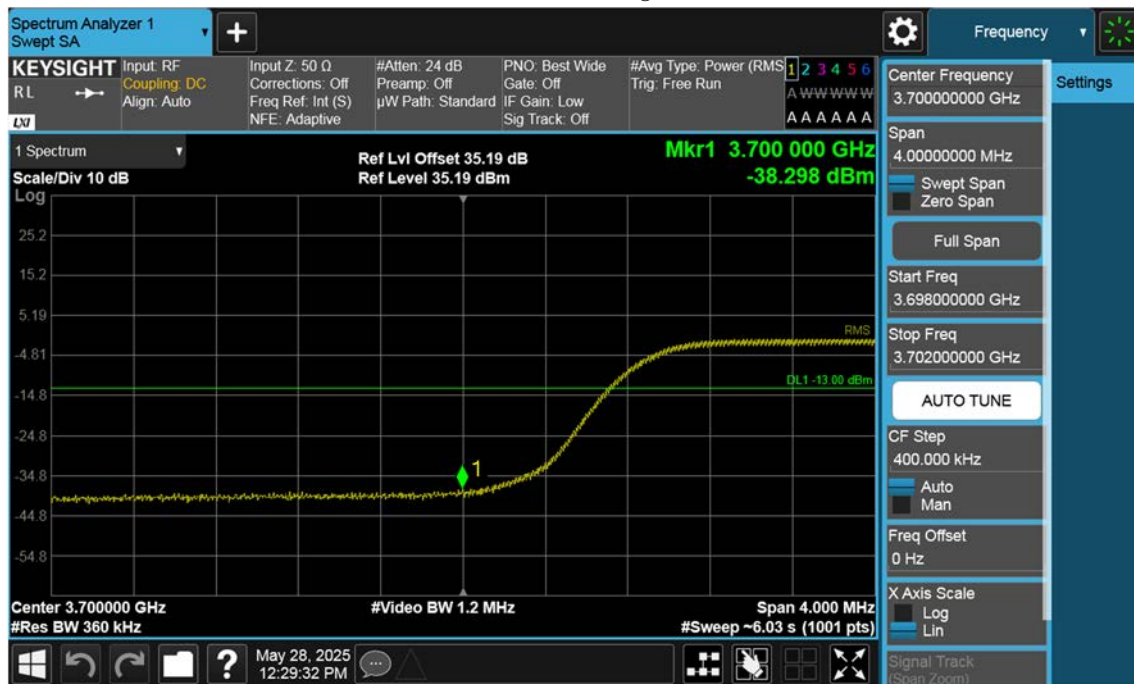
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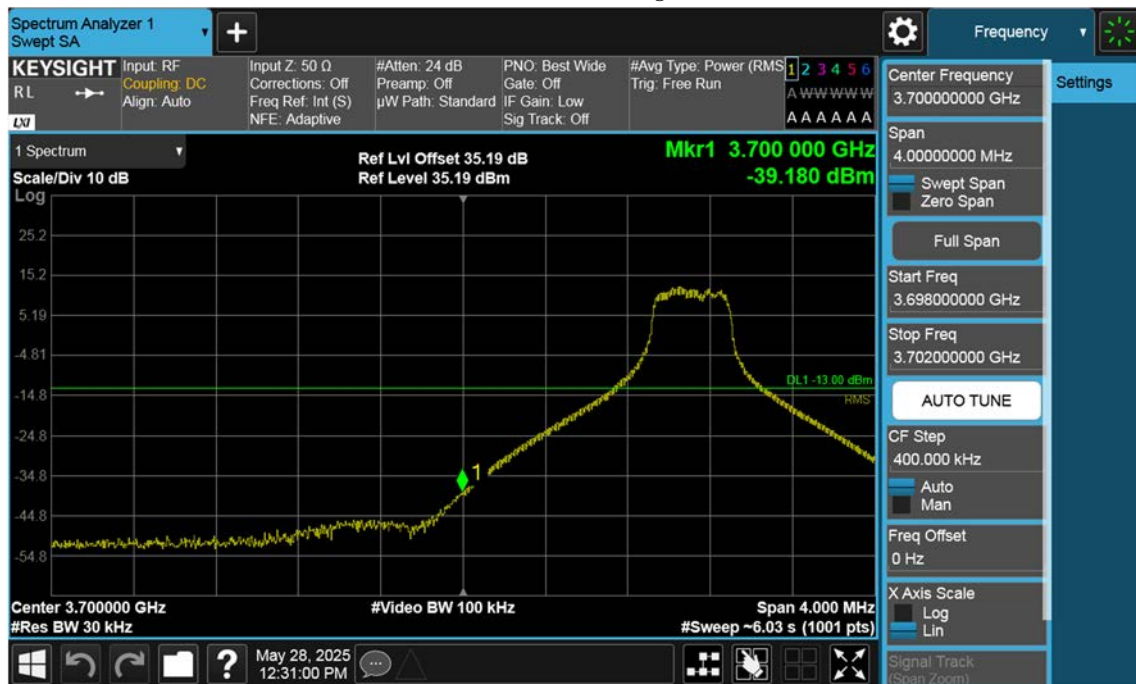
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n77(3700~3980 MHz)_80 M_Band Edge_Low_BPSK_FullRB(2)



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



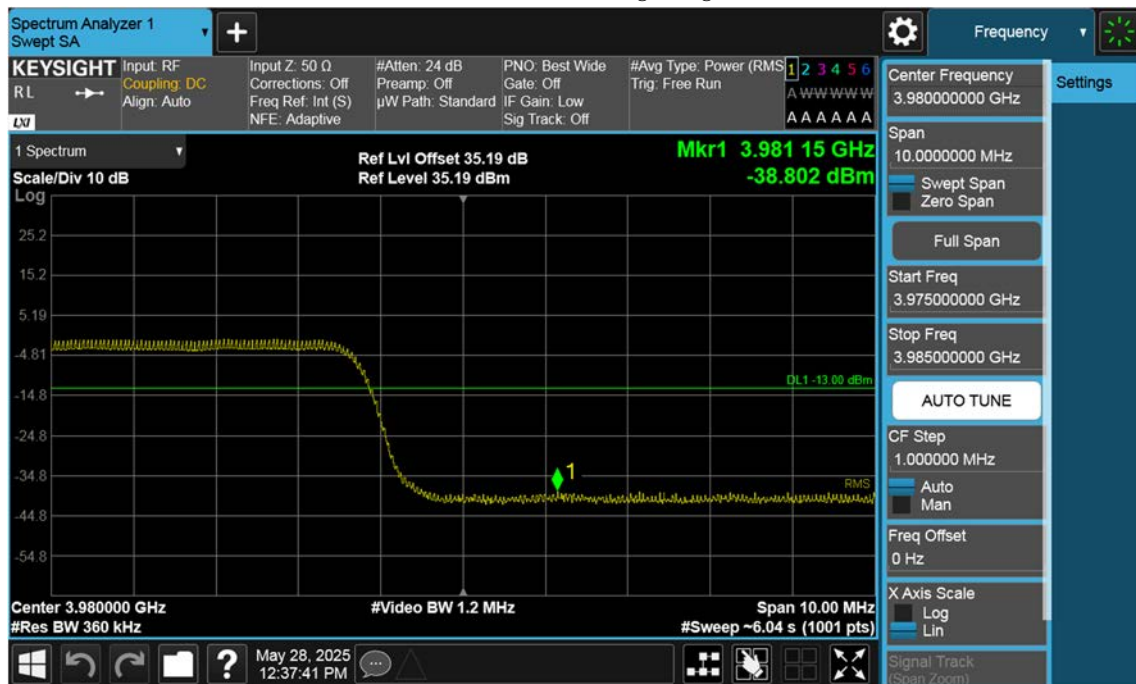
n77(3700~3980 MHz)_80 M_Band Edge_Low_BPSK_FullRB(3)



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



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



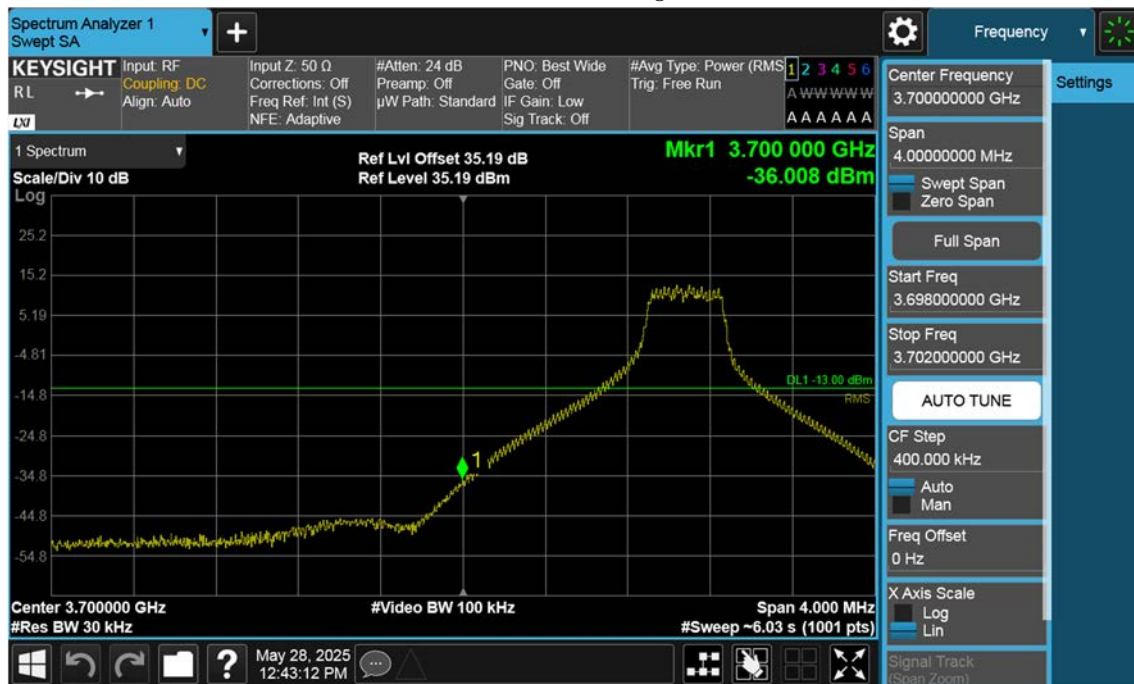
n77(3700~3980 MHz)_80 M_Band Edge_High_BPSK_1RB(3)



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



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Swept SA

Input: RF
Coupling: DC
Align: Auto

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

#Atten: 24 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

Center Frequency: 3.697000000 GHz
Span: 4.000000000 MHz
Swept Span: ☒ **Zero Span:** ☐
Full Span: ☐

Start Freq: 3.695000000 GHz
Stop Freq: 3.699000000 GHz
AUTO TUNE:

CF Step: 400.000 kHz
Auto: ☒ **Man:** ☐
Freq Offset: 0 Hz

X Axis Scale: **Log:** ☒ **Lin:** ☐
Signal Track (Span Zoom): ☐

1 Spectrum
Scale/Div: 10 dB
Log

Ref Lvl Offset: 35.19 dB
Ref Level: 35.19 dBm

Mkr1: 3.698 988 GHz
-36.531 dBm

DL1: -13.00 dBm

Start: 3.695000 GHz
#Res BW: 510 kHz
#Video BW: 2.0 MHz
Stop: 3.699000 GHz
#Sweep: ~6.03 s (1001 pts)

May 28, 2025 12:43:39 PM

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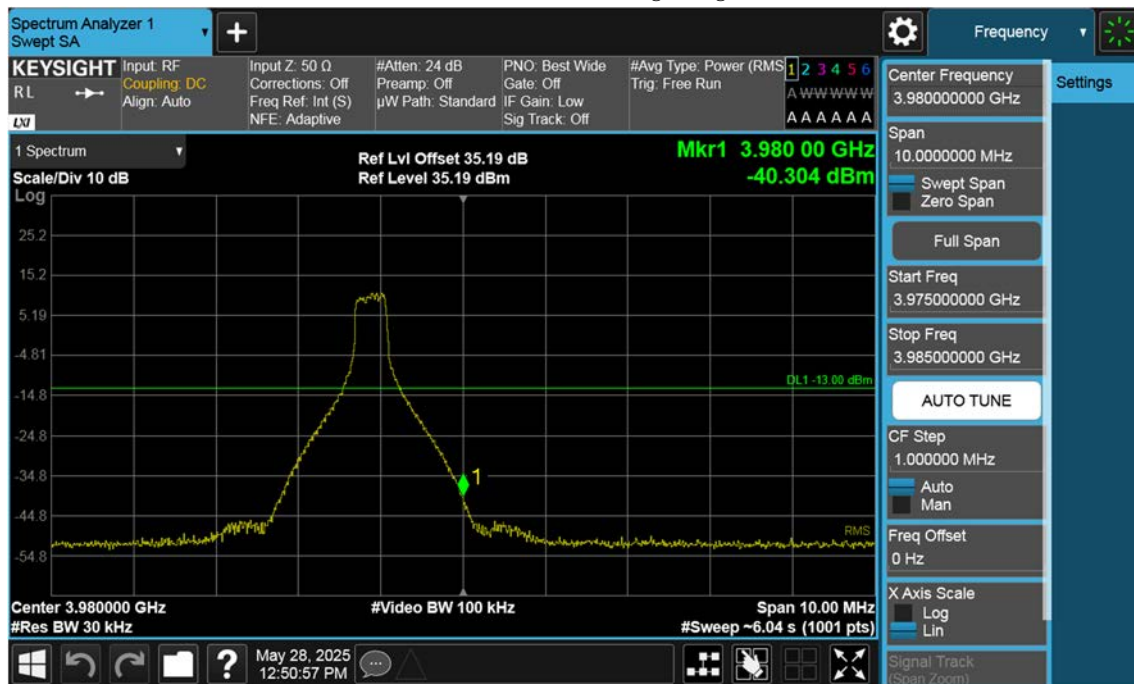
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