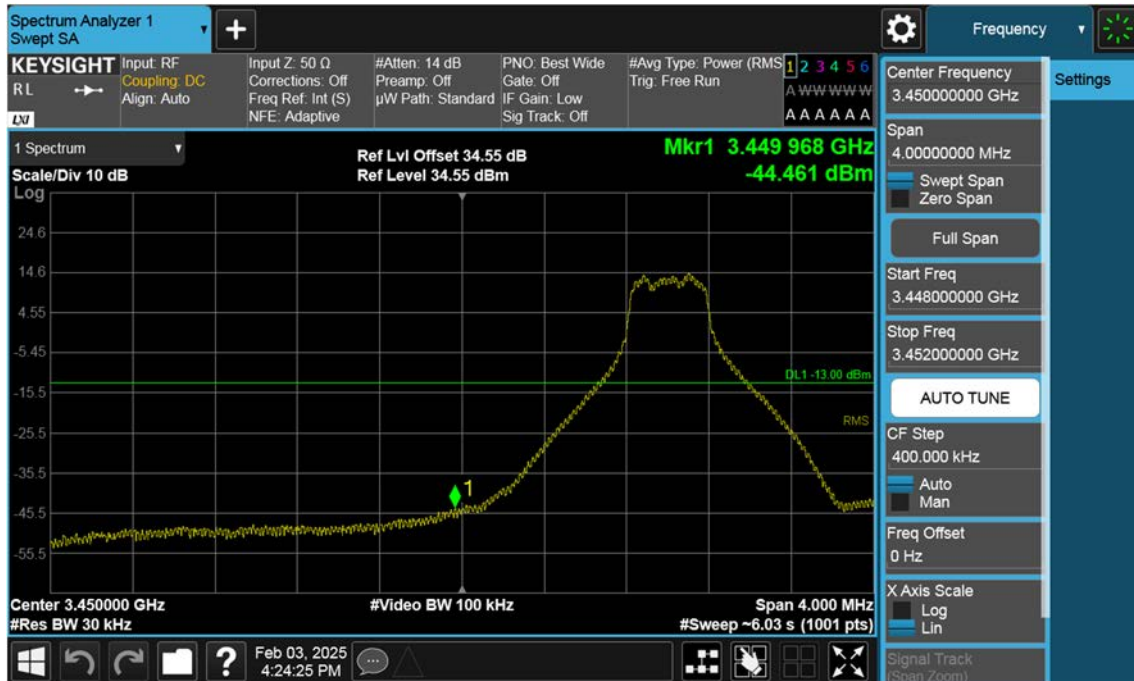


n77(3450~3550 MHz)_20 M_Band Edge_Low_BPSK_FullIRB(1)



n77(3450~3550 MHz)_20 M_Band Edge_Low_BPSK_1RB(1)



The screenshot displays a Spectrum Analyzer interface with the following components:

- Top Bar:**
 - Left: Spectrum Analyzer 1, Swept SA, and a zoom-in (+) button.
 - Right: Frequency dropdown and a zoom-out (-) button.
- Configuration Panel (Top):**
 - Input:** RF, Coupling: DC, Align: Auto.
 - Input Z:** 50 Ω , Corrections: Off, 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), Trg: Free Run.
 - Frequency Range:** 1 2 3 4 5 6, A A A A A A.
- Main Display Area:**
 - 1 Spectrum** (dropdown).
 - Scale/Div 10 dB** (dropdown).
 - Log** (dropdown).
 - Ref Lvl Offset 34.55 dB** and **Ref Level 34.55 dBm**.
 - Mkr1 3.448 992 GHz** and **-29.945 dBm** (green text).
 - DL1 -13.00 dBm** (green text).
 - R...** (yellow text).
 - Start 3.445000 GHz**, **#Res BW 510 kHz**, **#Video BW 2.0 MHz**, **Stop 3.449000 GHz**, **#Sweep ~6.03 s (1001 pts)**.
- Right Panel (Settings):**
 - Center Frequency:** 3.447000000 GHz.
 - Span:** 4.000000000 MHz.
 - Swept Span:** ☒ Swept Span, ☐ Zero Span.
 - Full Span** (button).
 - Start Freq:** 3.445000000 GHz.
 - Stop Freq:** 3.449000000 GHz.
 - AUTO TUNE** (button).
 - CF Step:** 400.000 kHz.
 - Auto Man:** ☒ Auto, ☐ Man.
 - Freq Offset:** 0 Hz.
 - X Axis Scale:** ☐ Log, ☒ Lin.
 - Signal Track:** (Sweep, Zoom).

n77(3450~3550 MHz)_20 M_Band Edge_Low_BPSK_1RB(2)



n77(3450~3550 MHz)_20 M_Band Edge_Low_BPSK_FullRB(3)



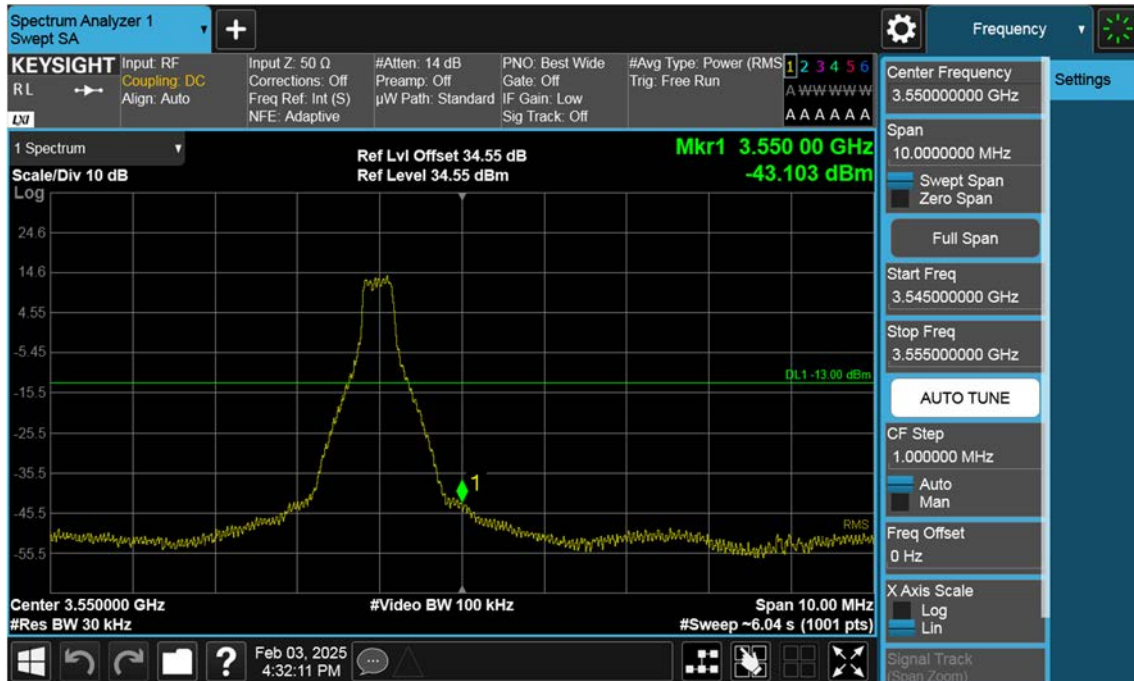
n77(3450~3550 MHz)_20 M_Band Edge_Low_BPSK_1RB(3)



n77(3450~3550 MHz)_20 M_Band Edge_High_BPSK_FullRB(1)



n77(3450~3550 MHz)_20 M_Band Edge_High_BPSK_1RB(1)



Spectrum Analyzer 1
Swept SA

KEYSIGHT Input: RF Coupling: DC Align: Auto Input Z: 50 Ω Corrections: Off 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) Trg: Free Run 1 2 3 4 5 6 A WWW WWW A A A A A A

1 Spectrum Scale/Div 10 dB Log Ref Lvl Offset 34.55 dB Ref Level 34.55 dBm Mkr1 3.551 000 GHz -33.283 dBm

Start 3.551000 GHz #Res BW 510 kHz #Video BW 2.0 MHz Stop 3.555000 GHz #Sweep ~6.03 s (1001 pts)

Center Frequency 3.553000000 GHz Span 4.000000000 MHz Swept Span Zero Span Full Span Start Freq 3.551000000 GHz Stop Freq 3.555000000 GHz AUTO TUNE CF Step 400.000 kHz Auto Man Freq Offset 0 Hz X Axis Scale Log Lin Signal Track (Spectrum)

n77(3450~3550 MHz)_20 M_Band Edge_High_BPSK_1RB(2)



n77(3450~3550 MHz)_20 M_Band Edge_High_BPSK_FullRB(3)



n77(3450~3550 MHz)_20 M_Band Edge_High_BPSK_1RB(3)



n77(3450~3550 MHz)_25 M_Band Edge_Low_BPSK_FullRB(1)



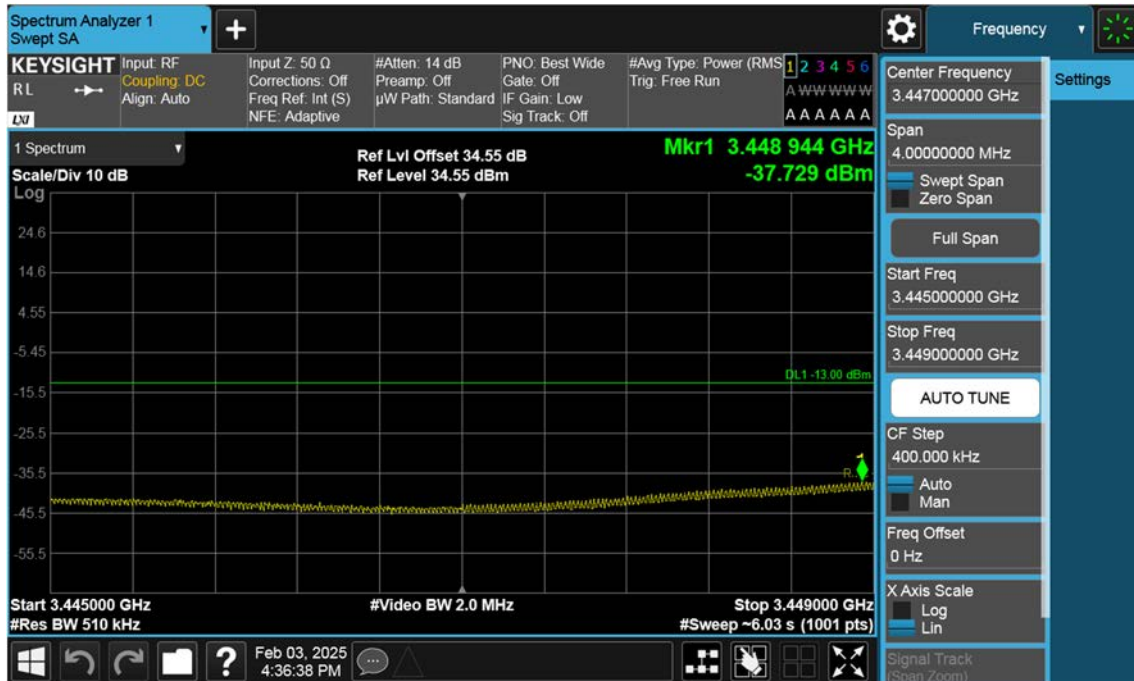
n77(3450~3550 MHz)_25 M_Band Edge_Low_BPSK_1RB(1)



n77(3450~3550 MHz)_25 M_Band Edge_Low_BPSK_FullRB(2)



n77(3450~3550 MHz)_25 M_Band Edge_Low_BPSK_1RB(2)



n77(3450~3550 MHz)_25 M_Band Edge_Low_BPSK_FullRB(3)

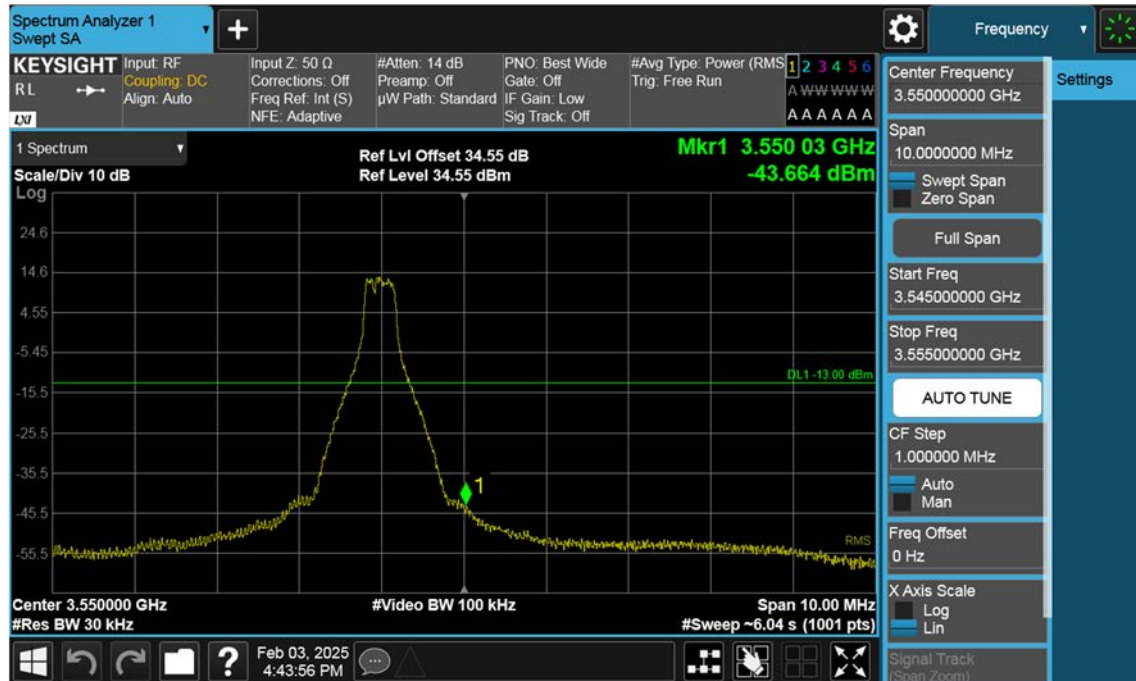


n77(3450~3550 MHz)_25 M_Band Edge_Low_BPSK_1RB(3)



The screenshot displays a Spectrum Analyzer interface. At the top, the title bar reads "Spectrum Analyzer 1" and "Swept SA". Below this, the "KEYSIGHT" logo is visible. The main display area shows a spectrum plot with a yellow trace. A peak is labeled "1" with a green diamond marker. The plot's vertical axis is labeled "Scale/Div 10 dB" and "Log". The horizontal axis is labeled "Center 3.550000 GHz" and "#Res BW 200 kHz". The plot shows a signal level of approximately -30.56 dBm at the peak. The right side of the interface contains various control panels, including "Frequency" (3.550000000 GHz), "Span" (10.0000000 MHz), "Start Freq" (3.545000000 GHz), "Stop Freq" (3.555000000 GHz), "AUTO TUNE", "CF Step" (1.0000000 MHz), "Auto Man", "Freq Offset" (0 Hz), "X Axis Scale" (Log), and "Signal Track" (Spectrum). The bottom status bar shows the date and time: "Feb 03, 2025 4:42:32 PM".

n77(3450~3550 MHz)_25 M_Band Edge_High_BPSK_1RB(1)



n77(3450~3550 MHz)_25 M_Band Edge_High_BPSK_FullRB(2)



n77(3450~3550 MHz)_25 M_Band Edge_High_BPSK_1RB(2)



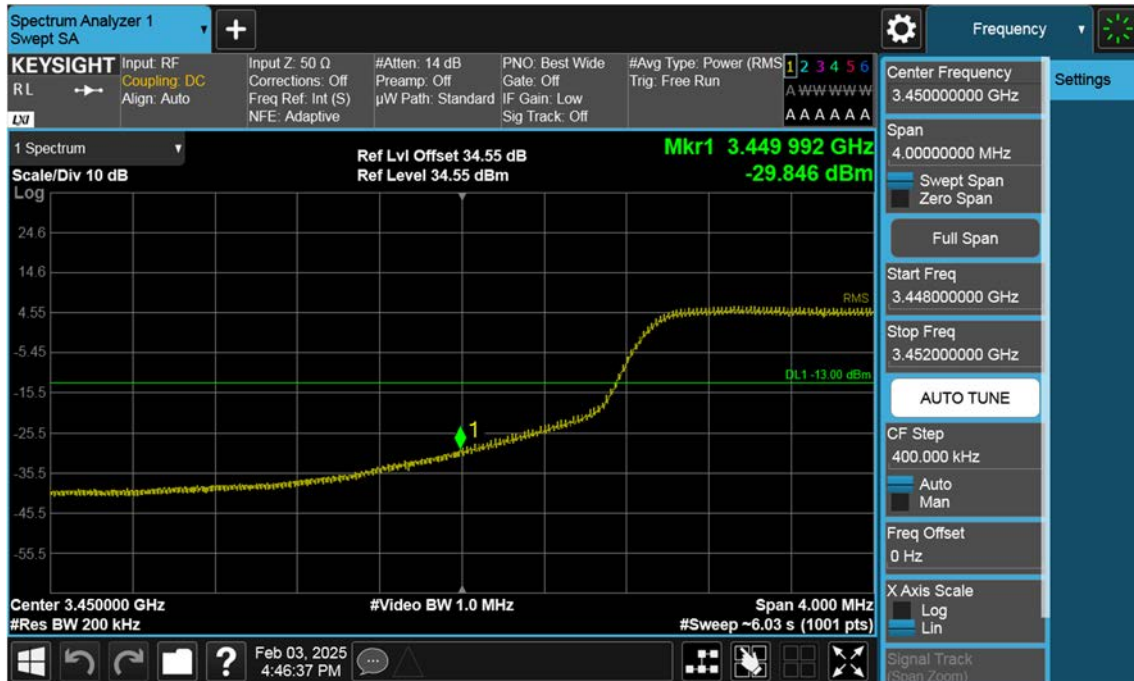
n77(3450~3550 MHz)_25 M_Band Edge_High_BPSK_FullRB(3)



n77(3450~3550 MHz)_25 M_Band Edge_High_BPSK_1RB(3)



n77(3450~3550 MHz)_30 M_Band Edge_Low_BPSK_FullIRB(1)



n77(3450~3550 MHz)_30 M_Band Edge_Low_BPSK_1RB(1)



n77(3450~3550 MHz)_30 M_Band Edge_Low_BPSK_FullRB(2)



n77(3450~3550 MHz)_30 M_Band Edge_Low_BPSK_1RB(2)



n77(3450~3550 MHz)_30 M_Band Edge_Low_BPSK_FullIRB(3)



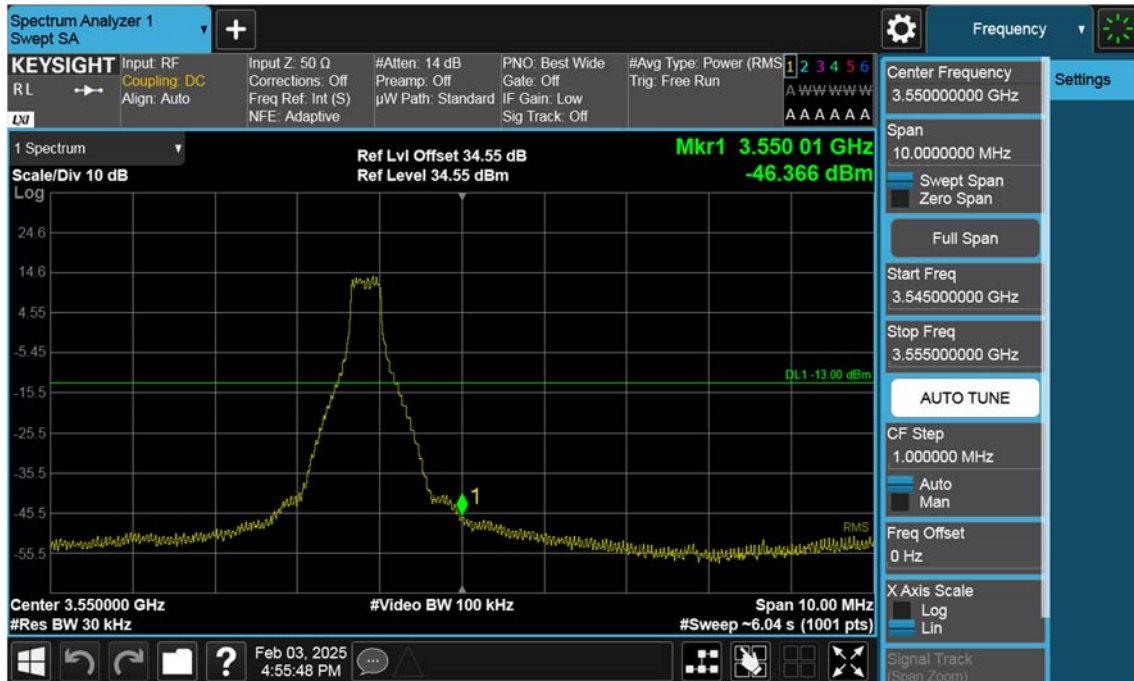
n77(3450~3550 MHz)_30 M_Band Edge_Low_BPSK_1RB(3)



n77(3450~3550 MHz)_30 M_Band Edge_High_BPSK_FullRB(1)



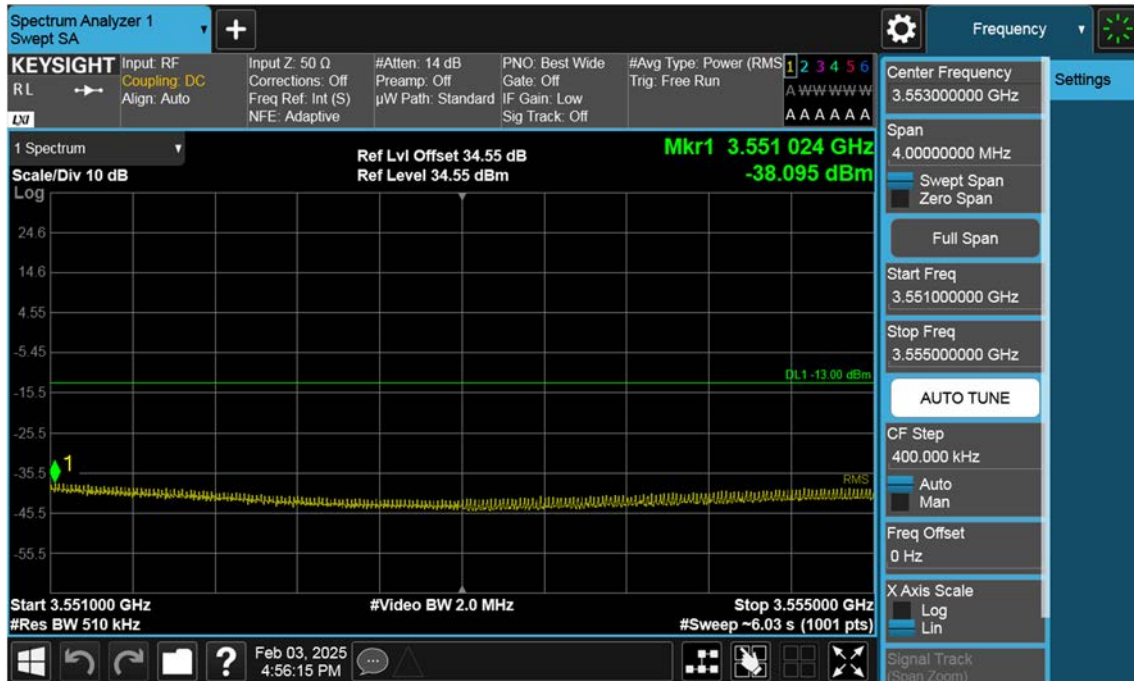
n77(3450~3550 MHz)_30 M_Band Edge_High_BPSK_1RB(1)



n77(3450~3550 MHz)_30 M_Band Edge_High_BPSK_FullRB(2)



n77(3450~3550 MHz)_30 M_Band Edge_High_BPSK_1RB(2)



n77(3450~3550 MHz)_30 M_Band Edge_High_BPSK_FullRB(3)



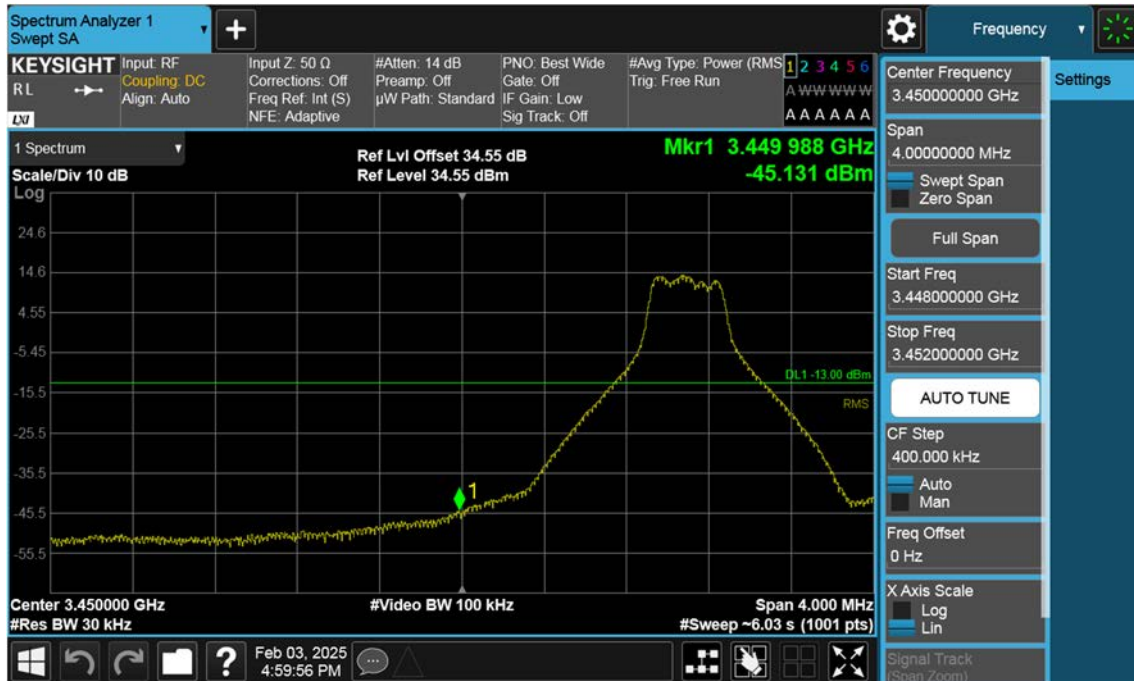
n77(3450~3550 MHz)_30 M_Band Edge_High_BPSK_1RB(3)



n77(3450~3550 MHz)_40 M_Band Edge_Low_BPSK_FullRB(1)



n77(3450~3550 MHz)_40 M_Band Edge_Low_BPSK_1RB(1)



n77(3450~3550 MHz)_40 M_Band Edge_Low_BPSK_FullIRB(2)



n77(3450~3550 MHz)_40 M_Band Edge_Low_BPSK_1RB(2)



n77(3450~3550 MHz)_40 M_Band Edge_Low_BPSK_FullRB(3)



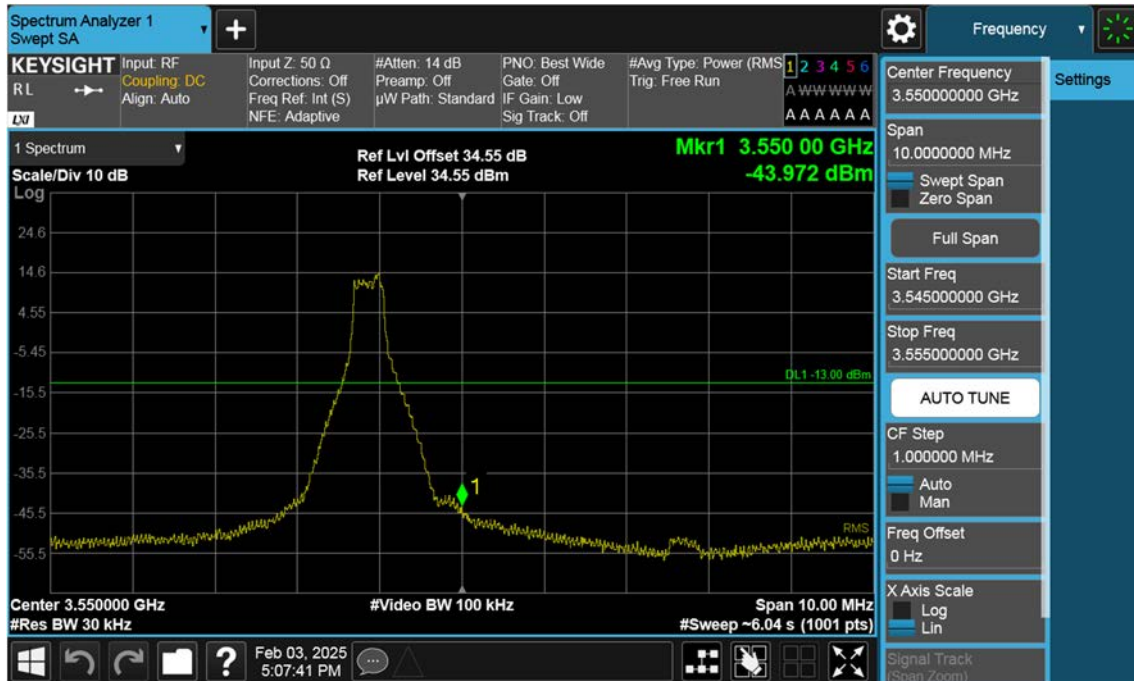
n77(3450~3550 MHz)_40 M_Band Edge_Low_BPSK_1RB(3)



n77(3450~3550 MHz)_40 M_Band Edge_High_BPSK_FullRB(1)



n77(3450~3550 MHz)_40 M_Band Edge_High_BPSK_1RB(1)



n77(3450~3550 MHz)_40 M_Band Edge_High_BPSK_FullRB(2)



n77(3450~3550 MHz)_40 M_Band Edge_High_BPSK_1RB(2)



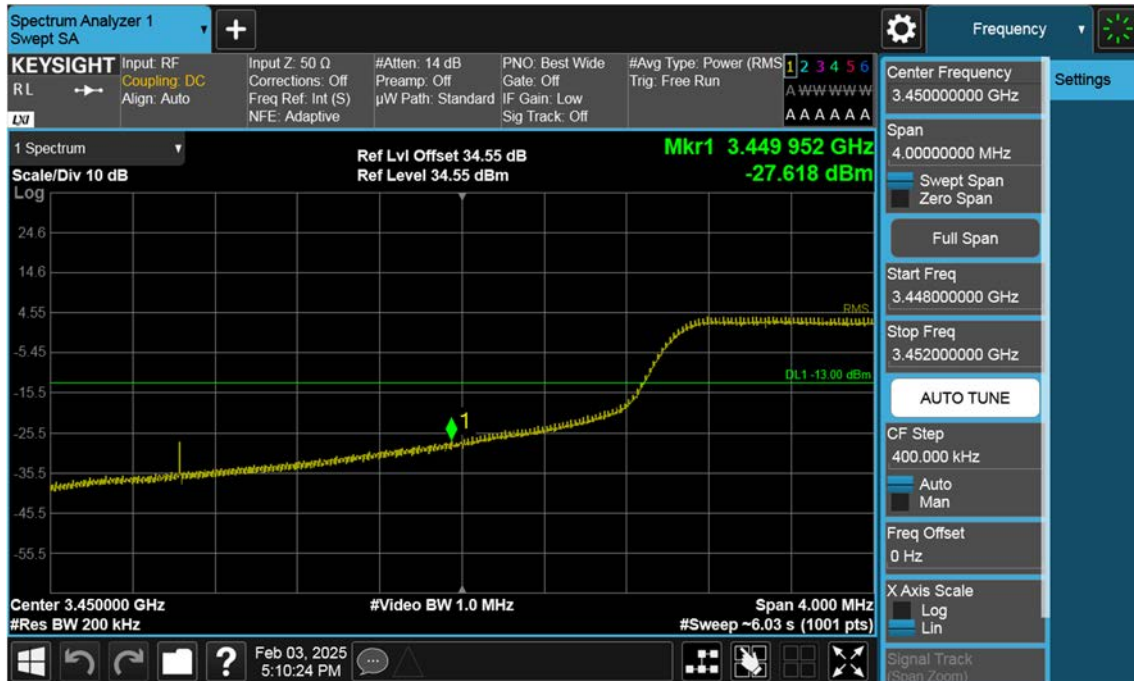
n77(3450~3550 MHz)_40 M_Band Edge_High_BPSK_FullRB(3)



The screenshot displays a Spectrum Analyzer interface with the following components:

- Top Bar:** Spectrum Analyzer 1, Swept SA, and a plus icon.
- Input/Settings Section:**
 - Input: RF, Coupling: DC, Align: Auto
 - Input Z: 50 Ω , Corrections: Off, Freq Ref: Int (S), NFE: Adaptive
 - #Atten: 14 dB, Preamp: Off, μ W Path: Standard
 - PNO: Fast, Gate: Off, IF Gain: Low, Sig Track: Off
 - #Avg Type: Power (RMS), Trng: Free Run
- Frequency Section:**
 - Center Frequency: 3.61250000 GHz
 - Span: 115.000000 MHz
 - Start Freq: 3.55500000 GHz
 - Stop Freq: 3.67000000 GHz
 - AUTO TUNE button
- Display Section:**
 - 1 Spectrum (dropdown)
 - Scale/Div 10 dB, Log
 - Ref Lvl Offset 34.55 dB, Ref Level 34.55 dBm
 - Signal trace (yellow) with a peak labeled '1' at approximately 3.56754 GHz.
 - DL1 -13.00 dBm
 - RMS
 - #Video BW 3.0 MHz
 - Stop 3.67000 GHz
 - #Sweep 6.00 s (1001 pts)
- Right Panel (Settings):**
 - Settings button
 - Center Frequency: 3.61250000 GHz
 - Span: 115.000000 MHz
 - Swept Span / Zero Span
 - Full Span
 - Start Freq: 3.55500000 GHz
 - Stop Freq: 3.67000000 GHz
 - AUTO TUNE
 - CF Step: 11.500000 MHz
 - Auto / Man
 - Freq Offset: 0 Hz
 - X Axis Scale: Log / Lin
 - Signal Track: (Sweep Zoom)

n77(3450~3550 MHz)_50 M_Band Edge_Low_BPSK_FullRB(1)



n77(3450~3550 MHz)_50 M_Band Edge_Low_BPSK_1RB(1)



n77(3450~3550 MHz)_50 M_Band Edge_Low_BPSK_FullIRB(2)



n77(3450~3550 MHz)_50 M_Band Edge_Low_BPSK_1RB(2)



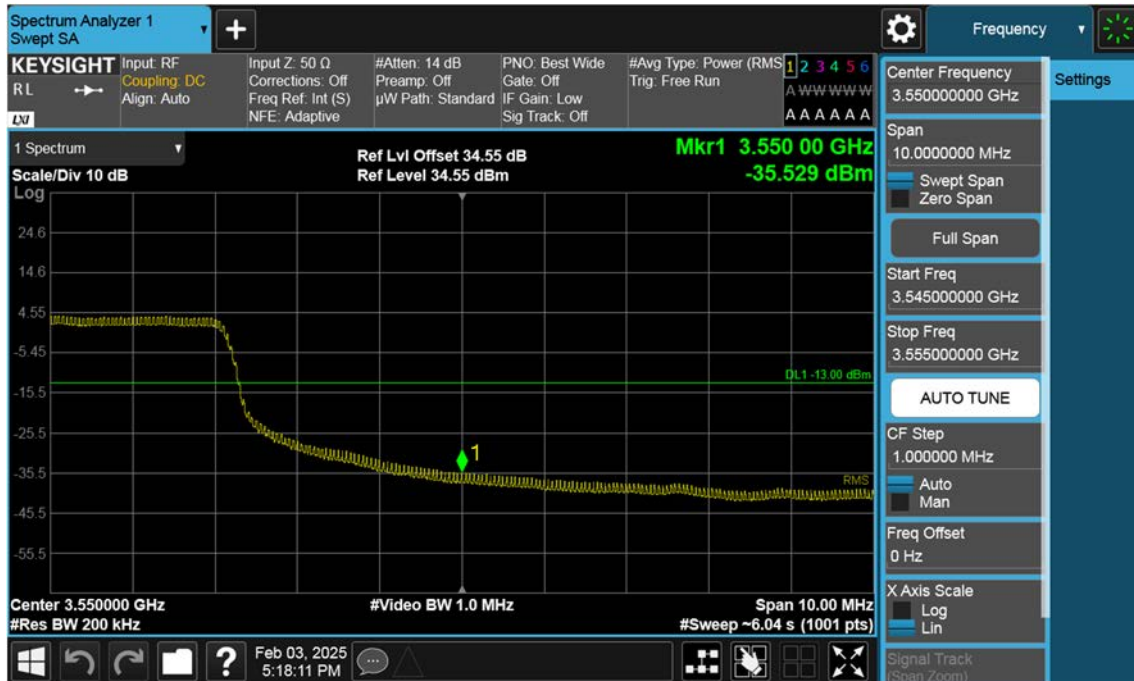
n77(3450~3550 MHz)_50 M_Band Edge_Low_BPSK_FullIRB(3)



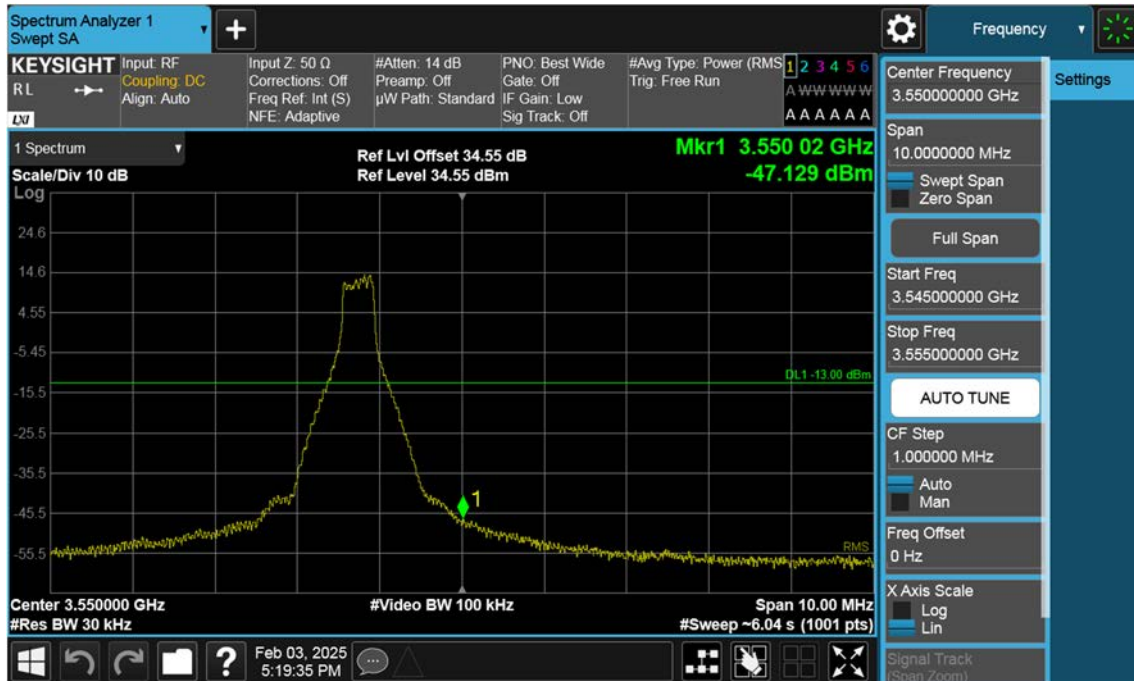
n77(3450~3550 MHz)_50 M_Band Edge_Low_BPSK_1RB(3)



n77(3450~3550 MHz)_50 M_Band Edge_High_BPSK_FullRB(1)



n77(3450~3550 MHz)_50 M_Band Edge_High_BPSK_1RB(1)



n77(3450~3550 MHz)_50 M_Band Edge_High_BPSK_FullRB(2)



n77(3450~3550 MHz)_50 M_Band Edge_High_BPSK_1RB(2)



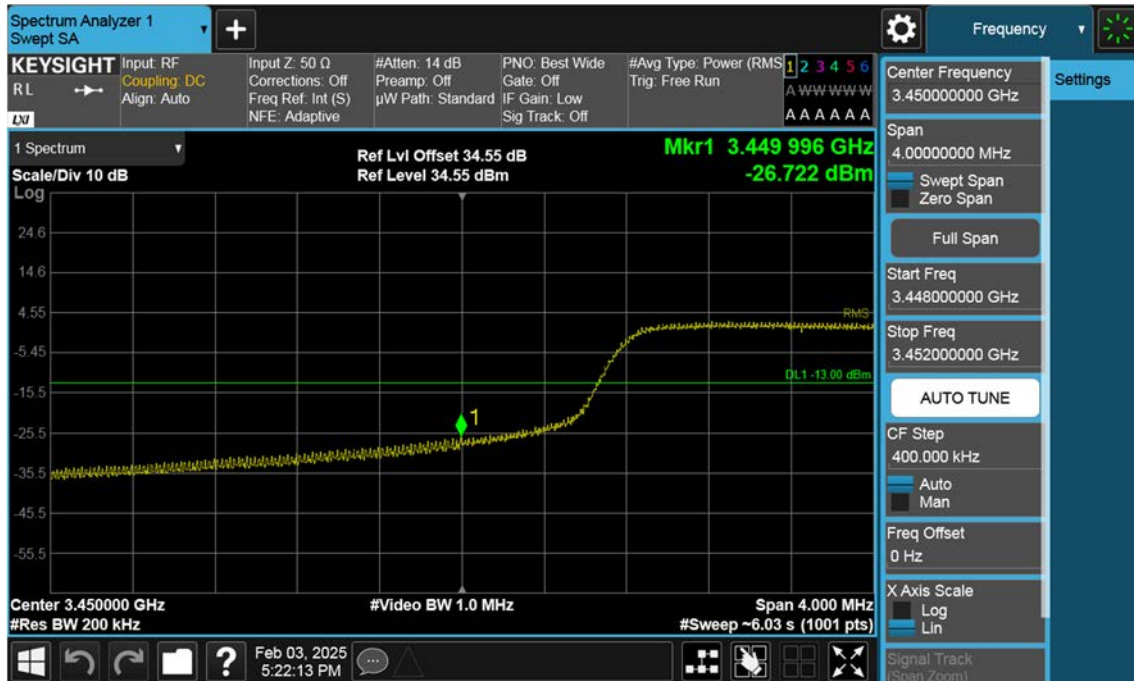
n77(3450~3550 MHz)_50 M_Band Edge_High_BPSK_FullRB(3)



n77(3450~3550 MHz)_50 M_Band Edge_High_BPSK_1RB(3)



n77(3450~3550 MHz)_60 M_Band Edge_Low_BPSK_FullRB(1)



n77(3450~3550 MHz)_60 M_Band Edge_Low_BPSK_1RB(1)



n77(3450~3550 MHz)_60 M_Band Edge_Low_BPSK_FullRB(2)



n77(3450~3550 MHz)_60 M_Band Edge_Low_BPSK_1RB(2)



n77(3450~3550 MHz)_60 M_Band Edge_Low_BPSK_FullRB(3)

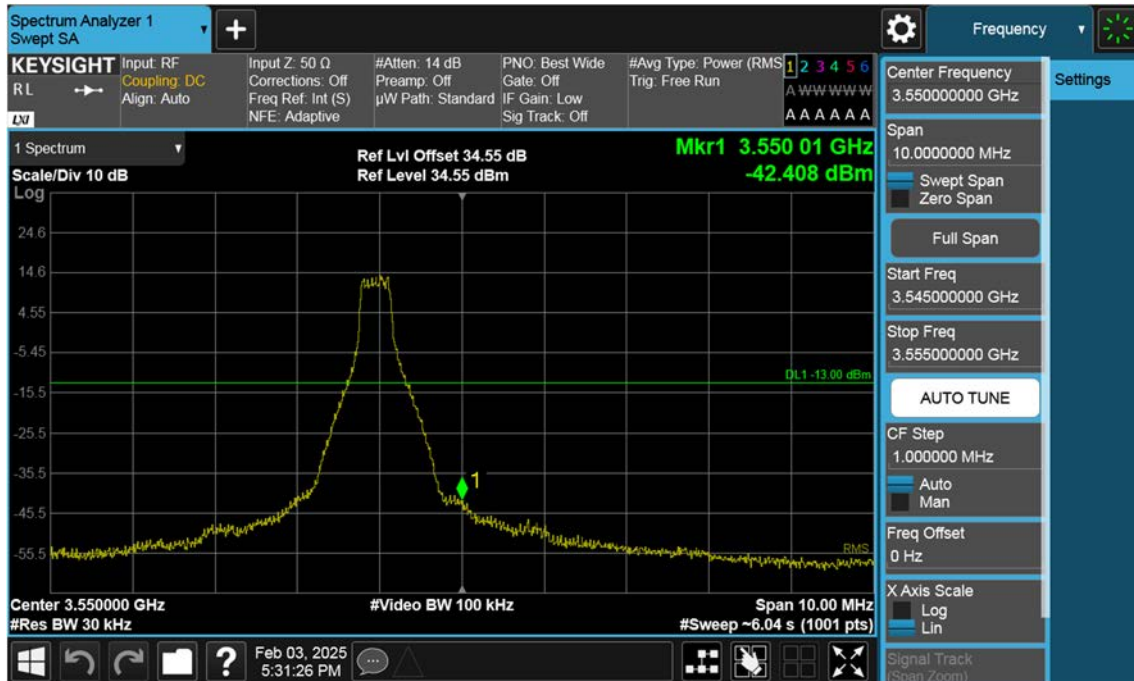


n77(3450~3550 MHz)_60 M_Band Edge_Low_BPSK_1RB(3)



The screenshot displays a Spectrum Analyzer interface. At the top, the title bar reads "Spectrum Analyzer 1" and "Swept SA". Below this, the "KEYSIGHT" logo is visible. The main display area shows a spectrum plot with a yellow trace. A peak is labeled "1" and has a value of "34.55 dBm". The plot is titled "Mkr1 3.550 02 GHz" and "Ref Lvl Offset 34.55 dB". The y-axis is labeled "Scale/Div 10 dB" and "Log". The x-axis is labeled "Center 3.550000 GHz" and "#Res BW 200 kHz". The plot shows a signal that is relatively flat at the top and then drops off sharply, indicating a signal with a specific bandwidth. The right side of the interface contains various control panels, including "Frequency", "Settings", "Span", "Swept Span", "Zero Span", "Full Span", "Start Freq", "Stop Freq", "AUTO TUNE", "CF Step", "Auto", "Man", "Freq Offset", "X Axis Scale", "Log", "Lin", and "Signal Track".

n77(3450~3550 MHz)_60 M_Band Edge_High_BPSK_1RB(1)



Spectrum Analyzer 1
Swept SA

KEYSIGHT Input: RF
Coupling: DC
Align: Auto

Input Z: 50 Ω
Corrections: Off
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 WWW WWW
A A A A A A

Center Frequency
3.55300000 GHz

Span
4.00000000 MHz

☒ Swept Span
☐ Zero Span

Full Span

Start Freq
3.551000000 GHz

Stop Freq
3.555000000 GHz

AUTO TUNE

CF Step
400.000 kHz

☒ Auto
☐ Man

Freq Offset
0 Hz

X Axis Scale
☐ Log
☒ Lin

Signal Track
(Spa, Z, Noise)

1 Spectrum
Scale/Div 10 dB
Log

Ref Lvl Offset 34.55 dB
Ref Level 34.55 dBm

Mkr1 3.551 032 GHz
-26.959 dBm

DL1 -13.00 dBm

Start 3.551000 GHz
#Res BW 510 kHz

#Video BW 2.0 MHz

Stop 3.555000 GHz
#Sweep ~6.03 s (1001 pts)

n77(3450~3550 MHz)_60 M_Band Edge_High_BPSK_1RB(2)



The screenshot displays a Spectrum Analyzer interface with the following components:

- Top Bar:** Includes a "Spectrum Analyzer 1 Swept SA" title, a "+" button, and a "Frequency" dropdown menu.
- Input/Configuration Section:**
 - Input: RF, Coupling: DC, Align: Auto
 - Input Z: 50 Ω , Corrections: Off, Freq Ref: Int (S), NFE: Adaptive
 - #Atten: 14 dB, Preamp: Off, μ W Path: Standard
 - PNO: Fast Gate: Off, IF Gain: Low, Sig Track: Off
 - #Avg Type: Power (RMS), Trng: Free Run
- Frequency Settings:**
 - Center Frequency: 3.61250000 GHz
 - Span: 115.000000 MHz
 - Start Freq: 3.55000000 GHz
 - Stop Freq: 3.67000000 GHz
 - Full Span button
- Signal Identification:**
 - Mkr1 3.558 57 GHz -31.324 dBm
 - DL1 -13.00 dBm
- Main Display:** A plot showing a signal trace (yellow line) with a peak labeled "1". The Y-axis is labeled "Scale/Div 10 dB" and "Log". The X-axis is labeled "Start 3.55500 GHz", "#Res BW 1.0 MHz", "#Video BW 3.0 MHz", "Stop 3.67000 GHz", and "#Sweep 6.00 s (1001 pts)".
- Right Panel:** Contains an "AUTO TUNE" button, "CF Step 11.500000 MHz", "Auto Man" toggle, "Freq Offset 0 Hz", "X Axis Scale" (Log/Lin), and "Signal Track (Sweep Zoom)" options.

n77(3450~3550 MHz)_60 M_Band Edge_High_BPSK_1RB(3)



n77(3450~3550 MHz)_70 M_Band Edge_Low_BPSK_FullRB(1)



n77(3450~3550 MHz)_70 M_Band Edge_Low_BPSK_1RB(1)

