

NR n77(78)(3700~3980 MHz)_40 M_Band Edge_High_PI/2 BPSK_FullRB(3)



NR n77(78)(3700~3980 MHz)_40 M_Band Edge_High_PI/2 BPSK_1RB(3)



NR n77(78)(3700~3980 MHz)_50 M_Band Edge_Low_PI/2 BPSK_FullIRB(1)



NR n77(78)(3700~3980 MHz)_50 M_Band Edge_Low_PI/2 BPSK_1RB(1)



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



NR n77(78)(3700~3980 MHz)_50 M_Band Edge_Low_PI/2 BPSK_1RB(2)



NR n77(78)(3700~3980 MHz)_50 M_Band Edge_Low_PI/2 BPSK_FullIRB(3)



NR n77(78)(3700~3980 MHz)_50 M_Band Edge_Low_PI/2 BPSK_1RB(3)



NR n77(78)(3700~3980 MHz)_50 M_Band Edge_High_PI/2 BPSK_FullRB(1)



NR n77(78)(3700~3980 MHz)_50 M_Band Edge_High_PI/2 BPSK_1RB(1)



NR n77(78)(3700~3980 MHz)_50 M_Band Edge_High_PI/2 BPSK_FullRB(2)



NR n77(78)(3700~3980 MHz)_50 M_Band Edge_High_PI/2 BPSK_1RB(2)



The screenshot displays a Keysight Spectrum Analyzer interface. The main display shows a signal trace with a marker at 3.98523 GHz and -34.871 dBm. The frequency range is from 3.98500 GHz to 4.10000 GHz. The signal level is -13.00 dBm. The interface includes various control panels for input, settings, and measurement parameters.

Parameter	Value
Center Frequency	4.042500000 GHz
Span	115.000000 MHz
Start Freq	3.985000000 GHz
Stop Freq	4.100000000 GHz
Ref Lvl Offset	34.66 dB
Ref Level	34.66 dBm
Start	3.98500 GHz
Stop	4.10000 GHz
Res BW	1.0 MHz
Video BW	3.0 MHz
Sweep	6.00 s (1001 pts)

NR n77(78)(3700~3980 MHz)_50 M_Band Edge_High_PI/2 BPSK_1RB(3)



NR n77(78)(3700~3980 MHz)_60 M_Band Edge_Low_PI/2 BPSK_FullIRB(1)



NR n77(78)(3700~3980 MHz)_60 M_Band Edge_Low_PI/2 BPSK_1RB(1)



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



NR n77(78)(3700~3980 MHz)_60 M_Band Edge_Low_PI/2 BPSK_1RB(2)



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NR n77(78)(3700~3980 MHz)_70 M_Band Edge_Low_PI/2 BPSK_1RB(2)



NR n77(78)(3700~3980 MHz)_70 M_Band Edge_Low_PI/2 BPSK_FullIRB(3)



NR n77(78)(3700~3980 MHz)_70 M_Band Edge_Low_PI/2 BPSK_1RB(3)



The screenshot displays a Keysight Spectrum Analyzer interface. The main display shows a signal trace with a sharp drop in power level, indicating a signal transition. The trace is labeled "Mkr1 3.984 12 GHz" and "-36.571 dBm". The signal is centered at 3.980000 GHz with a span of 10.00 MHz. The resolution bandwidth (RBW) is 360 kHz and the video bandwidth (VBW) is 1.2 MHz. The signal level is approximately -36.571 dBm. The interface includes various control panels for input, attenuation, and frequency, as well as a main display area showing the spectrum plot.

Top Panel:

- Spectrum Analyzer 1 Swept SA
- 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) Trng: Free Run
- 1 2 3 4 5 6 A WWW WWW A A A A A A

Left Panel:

- 1 Spectrum
- Scale/Div 10 dB
- Log

Right Panel:

- Center Frequency 3.980000000 GHz
- Span 10.0000000 MHz
- Swept Span Zero Span
- Full Span
- Start Freq 3.975000000 GHz
- Stop Freq 3.985000000 GHz
- AUTO TUNE
- CF Step 1.0000000 MHz
- Auto Man
- Freq Offset 0 Hz
- X Axis Scale Log Lin
- Signal Track (Span Zoom)

Main Display:

- Ref Lvl Offset 34.66 dB
- Ref Level 34.66 dBm
- Mkr1 3.984 12 GHz -36.571 dBm
- DL1 -13.00 dBm
- RMS
- Center 3.980000 GHz
- #Res BW 360 kHz
- #Video BW 1.2 MHz
- Span 10.00 MHz
- #Sweep ~6.04 s (1001 pts)

Bottom Panel:

- Windows icons
- Mar 16, 2026 10:47:18 AM
- Help icon
- Navigation icons

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NR n77(78)(3700~3980 MHz)_70 M_Band Edge_High_PI/2 BPSK_1RB(3)



NR n77(78)(3700~3980 MHz)_80 M_Band Edge_Low_PI/2 BPSK_FullIRB(1)



NR n77(78)(3700~3980 MHz)_80 M_Band Edge_Low_PI/2 BPSK_1RB(1)



NR n77(78)(3700~3980 MHz)_80 M_Band Edge_Low_PI/2 BPSK_FullIRB(2)



NR n77(78)(3700~3980 MHz)_80 M_Band Edge_Low_PI/2 BPSK_1RB(2)



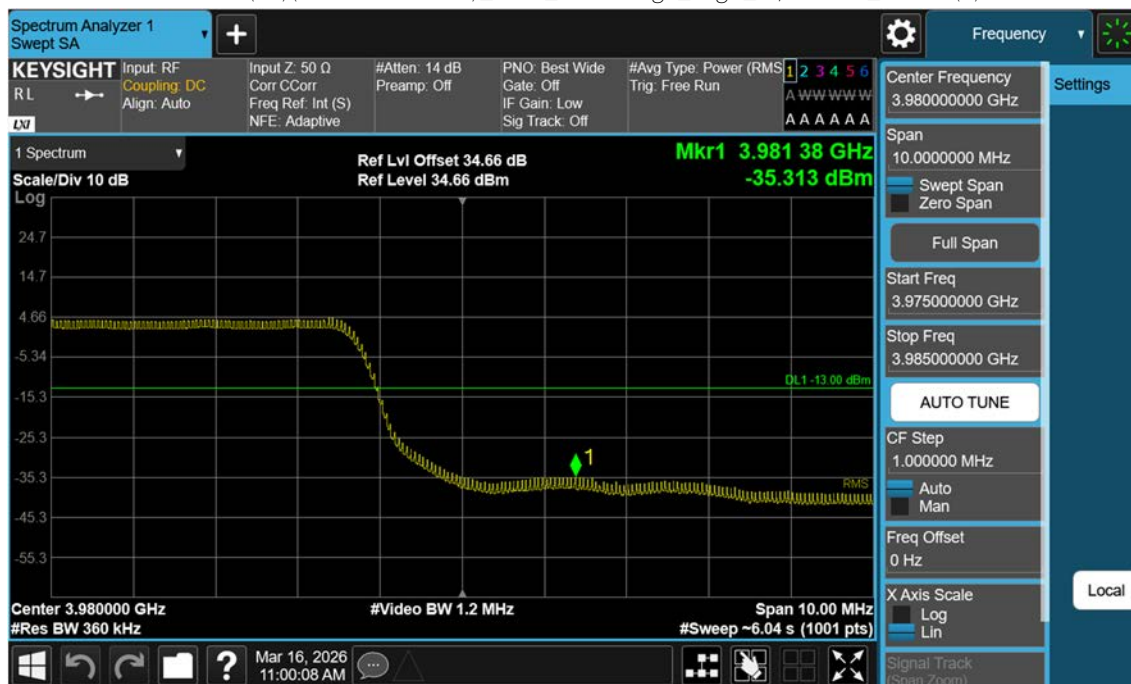
NR n77(78)(3700~3980 MHz)_80 M_Band Edge_Low_PI/2 BPSK_FullIRB(3)



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NR n77(78)(3700~3980 MHz)_80 M_Band Edge_High_PI/2 BPSK_FullRB(1)



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NR n77(78)(3700~3980 MHz)_80 M_Band Edge_High_PI/2 BPSK_1RB(3)



NR n77(78)(3700~3980 MHz)_90 M_Band Edge_Low_PI/2 BPSK_FullIRB(1)



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NR n77(78)(3700~3980 MHz)_90 M_Band Edge_Low_PI/2 BPSK_FullIRB(2)



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NR n77(78)(3700~3980 MHz)_90 M_Band Edge_Low_PI/2 BPSK_FullIRB(3)



NR n77(78)(3700~3980 MHz)_90 M_Band Edge_Low_PI/2 BPSK_1RB(3)



The screenshot shows a Keysight Spectrum Analyzer interface. The main display area shows a spectrum plot with a signal at 3.98002 GHz, labeled 'Mkr1 3.980 02 GHz -36.353 dBm'. The plot has a scale of 10 dB and a resolution bandwidth of 1.2 MHz. The signal is a narrowband peak on a noisy background. The interface includes various control panels on the right for settings like Center Frequency, Span, and Resolution Bandwidth. The bottom status bar shows the current center frequency, resolution bandwidth, and span.

Parameter	Value
Center Frequency	3.98000000 GHz
Span	10.0000000 MHz
Start Freq	3.975000000 GHz
Stop Freq	3.985000000 GHz
CF Step	1.0000000 MHz
Freq Offset	0 Hz
X Axis Scale	Log
Center Frequency	3.98000000 GHz
Span	10.00 MHz
#Res BW	360 kHz
#Sweep	~6.04 s (1001 pts)

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NR n77(78)(3700~3980 MHz)_90 M_Band Edge_High_PI/2 BPSK_FullRB(2)



NR n77(78)(3700~3980 MHz)_90 M_Band Edge_High_PI/2 BPSK_1RB(2)



NR n77(78)(3700~3980 MHz)_90 M_Band Edge_High_PI/2 BPSK_FullRB(3)



NR n77(78)(3700~3980 MHz)_90 M_Band Edge_High_PI/2 BPSK_1RB(3)



NR n77(78)(3700~3980 MHz)_100 M_Band Edge_Low_PI/2 BPSK_FullIRB(1)



NR n77(78)(3700~3980 MHz)_100 M_Band Edge_Low_PI/2 BPSK_1RB(1)



NR n77(78)(3700~3980 MHz)_100 M_Band Edge_Low_PI/2 BPSK_FullIRB(2)



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Keysight Spectrum Analyzer 1
Swept SA

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

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

Center Frequency: 4.042500000 GHz

Span: 115.000000 MHz

Swept Span: ☒ **Zero Span:** ☐

Full Span:

Start Freq: 3.985000000 GHz

Stop Freq: 4.100000000 GHz

AUTO TUNE

CF Step: 11.5000000 MHz

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: 34.66 dB
Ref Level: 34.66 dBm

Mkr1: 3.985 35 GHz
-41.298 dBm

DL1: -13.00 dBm

Start: 3.98500 GHz
#Res BW: 1.0 MHz

#Video BW: 3.0 MHz

Stop: 4.10000 GHz
#Sweep: 6.00 s (1001 pts)

Local

12. ANNEX A_ TEST SETUP PHOTO

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

No.	Description
1	HCT-RF-2604-FC034-P