

# NXT-2000 Portable Spectrum Analyzer

## Tri-Band Interference Analyzer

Now with 6 GHz  
Spectrum Analysis

### Key Features

- Simplify interference troubleshooting by providing visibility into the 2.4 GHz, 5 GHz, and 6 GHz spectrum bands
- Locate Wi-Fi or non-Wi-Fi interference sources using an internal omni-directional or external directional antenna
- Prioritize Wi-Fi interference troubleshooting activities and reduce time to locate and fix wireless network issues
- Secure the Wi-Fi network by inspecting No Wireless Zones and locating intentional RF interference sources such as RF jammers



### Overview

Trying to pinpoint the source of Wi-Fi interference in a wireless network is hit or miss with the wrong tools. Using the NXT-2000 Tri-Band Portable Spectrum Analyzer, the AirCheck® G3, EtherScope® nXG, or CyberScope® offer a comprehensive view of RF interference and its impact on the wireless network's overall performance. Users can use either the built-in internal omni-directional or external directional antennas.

### Models

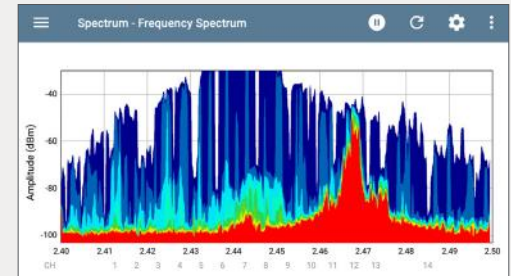
Model Number	Description
NXT-2000	USB based 2.4 GHz/5 GHz/6 GHz spectrum analyzer for AirCheck G3, EtherScope nXG, or CyberScope

**NOTE:** The NXT-2000 Portable Spectrum Analyzer is only included in AirCheck G3, EtherScope nXG, and CyberScope kits with a model number ending on X2.

### Specifications

General	Description
Frequency range	2.400 to 2.500 GHz 5.140 to 5.900 GHz 5.900 to 7.125 GHz
Frequency Resolution	2.4 GHz: 54.7 KHz 5.0 GHz: 54.7 KHz 6.0 GHz: 54.7 KHz
Amplitude Range	2.4 GHz: -95 to -20 dBm 5.0 GHz: -95 to -20 dBm 6.0 GHz: -95 to -20 dBm
Amplitude Resolution	0.5 dBm
Amplitude Accuracy	+/- 1.5 dBm
Antenna Port	SMP Connector
Built-in Antenna	Tri-Band Omni-Directional Antenna
Sweep Time	2.4 GHz: 44ms 5.0 GHz: 242ms 6.0 GHz: 382ms
USB Host Interface	USB Type A
DC Power	Voltage supply 5 volts: 0.33 Watts Max
Adapter Specifications	Width 30.8 mm; Length 81.9 mm; Height 11.5 mm; Weight 18 grams (without antenna) 23 grams (with antenna); Operating Temperature: 0° to 45° C (32°F to 113°F)

**NOTE:** NXT-2000 is not supported by AirCheck G3 or CyberScope Air testers manufactured before August 2024. Contact Customer Service at [www.netally.com/contact-us/](http://www.netally.com/contact-us/) for more information and available options.



### Key Features



#### Interference

- Real-time detection of non-Wi-Fi interference sources like:
  - Bluetooth® devices
  - Cordless phones
  - Microwave ovens
  - Wireless game controllers
  - Digital video converters
  - Radar transmissions
  - RF jammers



#### Use with the AirCheck G3\*, EtherScope nXG, or CyberScope\*

- Perform RF spectrum sweeps
- Conduct active or passive site surveys in parallel



#### Diagnostics Views

- Key graphs and charts:
  - Frequency Spectrum
  - Waterfall
  - Real time FFT
- Monitors for unique and repeating RF interference signals