

NXT Portable Spectrum Analyzer

Interference Analyzer

Key Features

- Simplify interference troubleshooting by providing visibility into the 2.4GHz and 5.0GHz spectrum bands
- Locate any Wi-Fi or non-Wi-Fi interference sources operating in the RF environment
- 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 detecting and locating intentional RF interference sources such as RF jammers



Overview

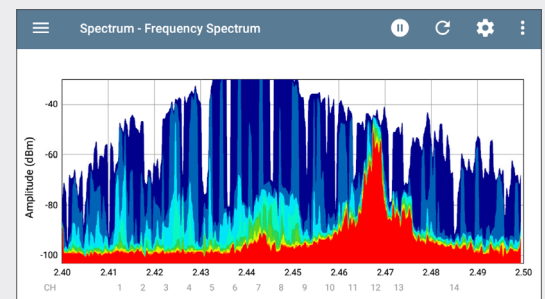
Trying to pinpoint the source of Wi-Fi interference on a wireless network is hit or miss with the wrong tools. Through the use of the NXT-1000 Portable Spectrum Analyzer, both the AirCheck™ G3, EtherScope® nXG, or CyberScope® offer a comprehensive view of RF interference and its impact on the wireless network's overall performance.

Models

Model Number	Description
NXT-1000	NXT Portable Spectrum Analyzer, USB based 2.4GHz/5.0GHz spectrum analyzer for AirCheck G3 or EtherScope nXG
NOTE: The NXT-1000 Portable Spectrum Analyzer is included with all of the AirCheck G3, EtherScope nXG, and CyberScope kits.	

Specifications

General	Description
Frequency range	2.400 to 2.500 GHz 5.145 to 5.860 GHz
Frequency Resolution	2.4 GHz: 333 KHz 5.0 GHz: 1.665 MHz
Amplitude Range	2.4 GHz: -95 to 0 dBm 5.0 GHz: -85 to 0 dBm
Amplitude Resolution	0.5 dBm
Amplitude Accuracy	+/- 0.5 dBm
Antenna Port	RP-SMA Connector
Sweep Time	2.4 GHz: 0.25s 5.0 GHz: 1.00s
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)



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:
 - Real-time Spectrum
 - Frequency Spectrum
 - Spectrogram
- Monitors for unique and repeating RF interference signals