



## Wi-Fi Tester

Friendly, Low-Cost, Ruggedized, Handheld 2.4GHz and 5GHz Dual Band Wi-Fi Tester.

This installer friendly, Wi-Fi testing device is designed to help search for the best Wi-Fi channels available and the level of interference (noise floor) in the installation and troubleshooting area. The Wi-Fi tester is specifically designed to aid the installer and troubleshooter in the analyze and testing of residential and small/medium business (SMB) Wi-Fi Networks. This ruggedized, handheld device is designed to operate in stand-alone mode and will not require connection to an Access Point (AP) and allows the installer to easily identify the best signal strength for Wi-Fi devices. This will help the installer decide which channel to use, detect strong/weak Wi-Fi signals, and determine interference levels in the area. Identification of location for a “signal booster” and mesh add-ons is another application that this device will assist with.

## Features

- IEEE802.11a/b/g/n/ac dual-band radio with virtual-simultaneous dual-band operation.
- Support for both 2.4x GHz and 5.0x GHz scanning on devices with dual-band Wi-Fi.
- Single-stream spatial multiplexing up to 433.3 Mbps data rate.
- Site Survey - displays each AP's beacon signal strength and channel, indicating how Wi-Fi channels in the 2.4x GHz ISM band overlap with one another.
- Displays how the AP's channel and relative beacon signal strength, indicating how all Wi-Fi environment are distributed across different channels.
- Display all AP's Wi-Fi environment are distributed across different channels, which shall be indicated by most AP's on channels 1, 6, 11 and other channels in the 2.4 GHz range and high/low channels in the 5 GHz spectrum as available.

- Lists all wireless AP's Wi-Fi environments, along with their SSID, MAC address, frequency, channel, beacon signal strength (-dBm) and security configuration such as WPA or WPA2.
- Provides channels rating with ACI (Adjacent Channel Interference), CCC (Co-Channel Contention), dBm, and SRN (Signal-to-Noise) value for comprehensive rating channels.
- Indicates good strong signal without interference with Bad, Fair, Good status for AP (Access Point) Signal Strength.
- Allows users to switch between 2.4 GHz and 5 GHz.
- Displays the AP's channel and relative beacon signal strength when switched to 5.0 GHz band. Show all Wi-Fi environment that are distributed across different channels from CH36 to CH165.
- Built-in speaker to indicate good signal without interference.
- Supports wireless mesh network (WMN).
- IP65 Water Resistant.
- Built-in Rechargeable Lithium Ion battery 3000mAh, 4 hours nominal.
- OTA Firmware (FW) for future upgrade, or manual upgrade via Micro USB port.

## Applications

Use by Tier 1/Field Technicians as a simplified, handheld “pass/fail” device and a standardized test instrument. It provides the technician a less complicated graphical representation of a home or SMB Radio Frequency (RF) environment to the key parameters for a successful Wi-Fi Network installation in the 2.4 GHz and 5 GHz ISM Spectrum.

## Specifications

- Wireless LAN Specification: IEEE 802.11a/b/g/n/ac.
- Internal high Gain Antenna.
- Number of button: On/Off, Menu, Right, Left, Up, Down, Enter, 2.4/5 GHz, Clear, Next.
- Maximum Temperature:
  - Storage: -20 °C to +60 °C.
  - Operational: -10 °C to +50 °C.
- Relative Humidity:
  - Storage: 20% to 90% RH (Non-Condensing).
  - Operational: 20% to 90% RH (Non-Condensing).
- Dimensions: 145 x 75 x 26 mm (est.).
- Power consumption: 5 Watts.
- Charging Port: 5VDC, 2A Micro USB port.
- Included Items: Main Units, AC / USB Adapter, Manual.

## Ordering Information

**BL-526-106**    Wi-Fi Tester

**AVAILABLE Q1 2019**