

Cicada-Lite™

802.11 W-LAN TESTER



IEEE 802.11 FREQUENCY-HOPPING TESTING

Cicada-Lite™ is a handheld, wideband, wireless receiver optimizing Wireless Local Area Networks. The instru-

ment measures Wi-Fi coverage of FHSS (Frequency Hopping Spread Spectrum) CDMA networks operating on the **IEEE 802.11** standard allowing the user to measure and determine the AP (Access Point), PER (Packet Error Rate), SSID and RSSI signal levels. **Cicada-Lite™** demodulates FHSS signals and their packets for detailed data including WEP encryption and frequency hop sets. **Cicada-Lite™** features realtime display as well as Peak Hold useful for locating sources of interference over time such as microwave ovens and 2.4 GHz DSSS signals. The unit features a built-in display, keypad and two removable battery packs for true portability.



FEATURES:

- Measure coverage for Frequency Hopping Spread Spectrum (FHSS) wireless networks (wideband IF 1 MHz)
- Tests 2.4 GHz FHSS networks operating within the **IEEE 802.11** standard
- Identifies and displays all active APs
- Measures Packet Error Rate on selected APs
- Measures and displays RF power measurements: narrow band received signal strength (RSSI), total channel power
- Includes peak hold on display for accurate measurements
- Light-weight, portable and rugged design ideal for realtime network analysis
- Removable battery pack (5 AA Ni-MH cells)
- Built-in numeric keypad, backlit display with simple menu interface

The Cicada-Lite is another exceptional design solutions from Berkeley Varitronics.

Call us today for more information:

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BANDS SUPPORTED
RF SENSITIVITY
RSSI MEASUREMENT
TUNING INCREMENTS

ISM: 2.402-2.480 GHz
-20 to -90 dBm
-30 to -90 dBm
1 MHz steps (IEEE 802.11 channels)

GENERAL SPECIFICATIONS

IF Bandwidth:	Wideband 1 MHz
Stability:	± 2.5 PPM Temp range 32° to 120 F°
Antenna:	SMA Female 50 ohm
Controls:	16 button keypad
Warm Up Time:	< 3 minutes
Power:	Internal battery pack (5 AA Ni-MH batteries)
Weight:	3 lbs.
Dimensions:	2" H x 4" W x 9" L (water resistant, high impact ABS plastic case)



Cicada-Lite includes a straight 3dBi 2.4 GHz antenna (SMA Female 50 ohm), two removable battery packs (5 AA Ni-MH cells each) charger, RS-232 cable all in a rugged carrying case.