

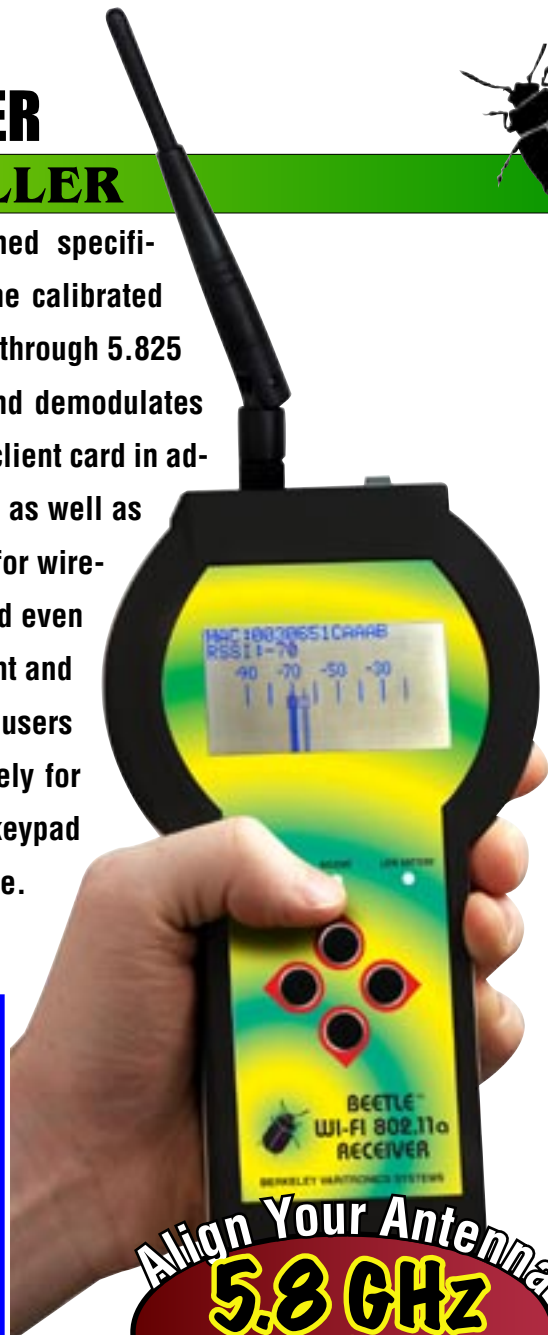
BEETLE™ 5 GHz SCANNER

IEEE 802.11a Wi-Fi INSTALLER



Beetle™ is a handheld, low-cost wireless instrument designed specifically for installing and maintaining 802.11a Wi-Fi networks. The calibrated receiver measures a wide range of RF spectrum from 5.150 GHz through 5.825 GHz (low, middle and upper U-NII band). **Beetle™** measures and demodulates beacon packets from any 802.11a OFDM access point, bridge or client card in ad-hoc mode and provides stats like MAC, SSID and signal strength as well as WEP encryption status. **Beetle's** frequency range makes it ideal for wireless IT network technicians looking to install, verify, optimize and even align their 5.8 GHz antennae for point-to-point, point-to-multipoint and network backhaul. **Beetle™** is a passive, wireless tester so that users may study all nearby 802.11a networks "invisibly" and accurately for true wireless measurements and features a built-in display with keypad button interface for portable, PC-independent operation anywhere.

Beetle's signal meter screen is ideal for aligning all of your 802.11a WISP antennae.



Align Your Antenna
5.8 GHz WISPs

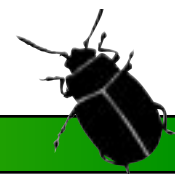
FEATURES:

- Numerical and graphical RSSI - perfect for WISP antenna alignment
- Tests ALL 802.11a 5 GHz APs, bridges or ad-hoc client cards on or off your network
- Calibrated receiver measures and reports RSSI, MAC, SSID & WEP
- Low-cost instrument that any field technician can afford
- Light-weight, portable and rugged design ideal for realtime network analysis
- Removable battery power (4 AA Ni-MH cells with 4 extra batteries & charger included)
- Built-in LCD and keypad navigation for PC-free operation

The Beetle is just one of many exceptional design solutions from Berkeley Varitronics. Call us today for more information: (732) 548-3737 / Fax: (732) 548-3404 Internet: www.bvsystems.com E-mail: info@bvsystems.com



BEETLE™ 5 GHz SCANNER



IEEE 802.11a Wi-Fi INSTALLER

BANDS SUPPORTED

U-NII lower band (5.150 - 5.250 GHz) (channel numbers 36,40,44,48)
U-NII middle band (5.250 - 5.350 GHz) (channel numbers 52,56,60,64)
U-NII upper middle band (5.500 - 5.700 GHz) (channel numbers 100, 104, 108, 112, 116,120, 124, 128, 132, 136, 140)
U-NII upper band (5.725 - 5.825 GHz) (channel numbers 149, 153, 157, 161)

RF SENSITIVITY (Wide Band)

-20 to -80 dBm

TUNING INCREMENTS

All 12 OFDM channels (36,40,44,48,52,56,60,64, 149, 153, 157, 161)

POWER MEASUREMENTS:

AP Power Measurement

-20 dBm to -80 dBm

RECEIVER GENERAL SPECIFICATIONS

IF Bandwidth:	Wideband 20 MHz
Stability:	± 2.5 PPM Temp range 32 to 120 degrees
Antenna:	SMA Female 50 ohm
Power:	Internal battery power (4 AA rechargeable Ni-MH batteries)
Controls:	4 button keypad
Warm Up Time:	< 3 minutes
Weight:	2 lbs.
Dimensions:	1"H x 4.5"W x 9"L (water resistant, high impact ABS plastic case)



Beetle includes 8 AA Ni-MH batteries, fast-charger, omni adjustable 3dBi 5 GHz antenna, SMA cable connector adapter, hard protective travel case and and soft protective holster case.