

BEETLE™ B/A/N/G

802.11 B/A/N/G WI-FI OPTIMIZER

BEETLE - B/A/N/G is a wireless test receiver system that verifies, sweeps, measures and optimizes all popular 802.11 Wi-Fi network standards including 802.11b/g (2.4 GHz), 802.11a (5 GHz) and even 802.11n. The calibrated receiver is a passive measurement device that is network independent so it remains “invisible” to any Wi-Fi network. When equipped with a BVS DF (Direction Finding) antenna, **BEETLE - B/A/N/G** locates and pinpoints rogue MACs, APs, STAs and SSIDs. Powerful packet analysis features such as Multipath (Ec/Io), Delay Spread, Channel Frequency Response (CFR), SSID and Received Signal Strength Indicator (RSSI) give **BEETLE - B/A/N/G** the distinction of being the only true handheld Wi-Fi packet analysis and direction finding tool accurate to within ± 1 dB. **BEETLE - B/A/N/G** can wirelessly detect rogue APs, hackers or any nearby MAC and can also connect directly to network installations for precise antenna alignment and optimization.

INSTALLS

OPTIMIZATION

**ANTENNA
ALIGNMENT**

**DIRECTION
FINDING**

FEATURES:

- Measure 2.4 GHz coverage for DSSS and OFDM WLANs within the IEEE 802.11b/n/g standard
- Measure 5 GHz coverage for OFDM WLANs within the IEEE 802.11a standard
- Receive, filter and process DSSS and OFDM studies all in a handheld Windows Mobile OS® environment
- 802.11 packet Demodulation tools for Channel Frequency Response and Antenna Alignment
- Complex AP / STA list analysis including Multipath, Absolute Channel, and SSID
- Measure RSSI & Multipath in true dBm with a calibrated receiver
- Rechargeable Internal Li-Poly battery or A/C power
- MAC Security Authorization Lists/Detection/Alarms as well as WEP and WPA encryption detection
- Internal GPS receiver for realtime geo-coding of all measurements
- Optional Direction Finding antennae for locating rogue APs, WLAN hackers and spurious RF interference
- Optional RJ-45 Ethernet Port for fast, networked PC communication
- Optional Swarm™ mapping/validation coverage analysis software

Call us today for more information:
TOLL FREE 1-888-737-4287 / Fax: (732) 548-3404
www.bvsystems.com
sales@bvsystems.com

**BERKELEY
VARITRONICS
SYSTEMS®**

Clarifying RF

Providing wireless solutions for over 35 years.



BEETLE™ B/A/N/G

802.11 B/A/N/G WI-FI OPTIMIZER

DEMODULATOR SPECIFICATIONS

BANDS SUPPORTED	2.4-2.5 GHz, 5-5.8 GHz (includes 802.11a, 802.11n and 802.11h)
RF SENSITIVITY (Wide Band)	-20 to -90 dBm
PACKET PREAMBLE DEMODULATOR and ANALYZER	Multipath Measurement and Graphical Display
CORRELATED POWER MEASUREMENTS	RATIO
Correlated Power (dBm)	-30 dBm : -100 dBm
Correlated Power to Total Power Ec/Io (dB)	0 dB : -10 dB
Total Channel Power Measurement	- 20 dBm : -80 dBm

GENERAL SPECIFICATIONS

INTERNAL GPS RECEIVER	12-channel GPS receiver
INPUT CONNECTOR	SMA Female, 50 Ohm
POWER	Li-PO, AC or DC
RUNTIME INTERNAL BATTERY	> 3 hours
RECHARGE TIME	< 3 hours

PHYSICAL SPECIFICATIONS

WEIGHT	3 lbs.
DIMENSIONS	3"H x 5"W x 9"L (water resistant, high impact ABS plastic case)