

Locust™

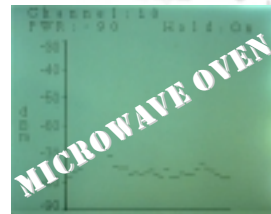
802.11b 2.4 GHz TESTER



WLAN DRIVE-STUDY ANALYZER



Locust™ is a wireless receiver designed specifically for sweeping and optimizing 2.4 GHz Local Area Networks. The instrument measures coverage of direct sequence CDMA networks which operate on the **IEEE 802.11b** standard allowing the user to determine the AP (Access Point), PER (Packet Error Rate), and RSSI signal levels aiding in locating the hub and access points of neighboring WLANs. *Locust*™ provides measurements in realtime and also logs data for further post processing analysis. Users may detect and differentiate from narrowband multipath interferences using a drive-test vehicle, GPS antenna and a laptop PC.



FEATURES:

- Measure 2.4 GHz coverage for direct sequence (DSSS) wireless networks (IF wideband 22 MHz) within the **IEEE 802.11b** standard
- Internal 12-channel, 12 satellite GPS for support of most popular mapping/post processing applications
- Measures Packet Error Rate
- Measures and displays channel for multipath
- Measures and displays RF power: narrow band received signal strength (RSSI), total channel power
- Removable ATA Flash card (16 MB compact) stores collected data for post processing
- Removable battery pack (5 AA Ni-MH cells), also can be powered from 12VDC car cigarette lighter
- Built-in numeric keypad, backlit display with simple menu interface

The Locust 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



Locust™

802.11b 2.4 GHz TESTER



WLAN DRIVE-STUDY ANALYZER

BANDS SUPPORTED	ISM: 2.400-2.495 GHz
RF SENSITIVITY (Wide Band)	-20 to -90 dBm
RSSI MEASUREMENT (Narrow Band)	-30 to -90 dBm @ 687.5 kHz resolution bandwidth
TUNING INCREMENTS	Tunes 11 USA channels & 3 international channels

PACKET PREAMBLE DEMODULATOR and ANALYZER:

Multipath Measurement and Graphical Display

CORRELATED POWER MEASUREMENTS:

Correlated Power (dBm)	RATIO -30 dBm : -100 dBm
Correlated Power to Total Power Ec/Io (dB)	0 dB : -10 dB
Total Channel Power Measurement	-20 dBm : -90 dBm

GENERAL SPECIFICATIONS

IF Bandwidth:	Wideband 22 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) or 12VDC from car adaptor
Weight:	3 lbs.
Dimensions:	2" H x 4" W x 9" L (water resistant, high impact ABS plastic case)
Internal GPS (included)	Motorola 12-channel differential capable receiver

Locust includes all of the following accessories:

Locust includes a straight 3dBi 2.4 GHz antenna (SMA Female 50 ohm), GPS magmount antenna, two removable battery packs (5 AA Ni-MH cells and 12V car power adaptor) charger, RS-232 cable all in a rugged carrying case.

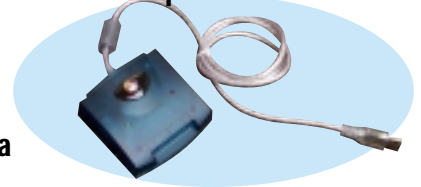


carrying case



Locust Data Logger™ output data supports customizable outputs as well as Microsoft Excel® spreadsheets, MapInfo® post processing applications for Windows 98®.

ATA compact flash reader



GPS active antenna (SMC male connector)



16 MB compact flash



battery pack, charger & car cigarette power adaptor

