YELLOWJACKET®-TABLET

Tablet PC 802.11 Packet/Spectrum Analyzer



SPECTRUM ANALYSIS

YELLOWJACKET®-TABLET is a Windows XP® tablet UMPC spectrum analyzer all-in-one system. The calibrated receiver measures between 2.0 - 5.9 GHz covering such popular wireless bands including **Wi-Fi, Wi-MAX, ISM, Public Safety, Bluetooth** and more. Powerful spectrum analysis features include user selectable power triggers, 3 pairs of markers, spectrogram, histogram, video smoothing, waveform averaging, 1 live trace and up to 4 peak hold waveform traces with peak hold/search. This advanced spectrum analysis allows YELLOWJACKET®-TABLET to sweep any signal and instantly display areas of RF interference. During spectrum analysis, the receiver is a passive device and "invisible" to the network making it easier to identify hackers, rogue APs and other sorts of RF interference. YELLOWJACKET®-TABLET interface offers a large 7" WVGA LCD touch-screen featuring 1.33 GHz Intel Pentium® processor.

PACKET ANALYSIS

YELLOWJACKET®-TABLET sweeps and demodulates all 802.11b/a/n/g packets providing MAC, SSID, SNR, Delay Spread, CFR and more. Once users have detected a specific AP or STA, they can "lock onto" those packets to locate it using an optional direction finding antenna. Unlike other packet sniffers and signal strength meters, Berkeley's receiver technology measures RSSI to within ±1 dB of any nearby 802.11 packet on or off your network. This realtime measurement is useful in determining total channel power, multipath and WISP antenna alignments. In addition, WEP and WPA encryption detection provide instant feedback on the security of all APs on your network.

YELLOWJACKET-TABLET FEATURES:

- RF SPECTRUM ANALYSIS IN YOUR HANDS OR ON YOUR DESKTOP
- IDENTIFY Wi-MAX, RFID, Wi-Fi, 802.11 & OTHER ISM INTERFERENCE
- LARGE, 7" WVGA, TOUCH-SCREEN INTERFACE
- WINDOWS XP UMPC INTEL PENTIUM TABLET
- CHANNEL POWER MEASUREMENTS IN TRUE dBm
- PEAK SEARCH / HOLD WITH UP 4 PEAK HOLD WAVEFORM TRACES
- USER SELECTABLE POWER TRIGGERS
- SPECTROGRAM / HISTOGRAM MEASUREMENTS
- WAVEFORM JPEG SNAPSHOTS WITH PREVIEW & PRINTOUT



Samsung's Q1 UMPC tablet serves as the touch-screeninterface for the Yellowjacket-TABLET receiver.

Berkeley's calibrated receiver module is accurate to within ± 1dB, contains a GPS receiver and rechargeablebatterysystem.

Call us today for more information:
TOLL FREE 1-888-737-4287
Tel: +1 732-548-3737 Fax: (732) 548-3404
www.bvsystems.com email: sales@bvsystems.com

BERKELEY VARITRONICS SYSTEMS®
Clarifying RF
Providing wireless solutions for over 35 years.

YELLOWJACKET®-TABLET

Tablet PC 802.11 Packet/Spectrum Analyzer

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

SPECTRUM ANALYZER SPECIFICATIONS

BANDS SUPPORTED	2.0 - 5.9 GHz (includes 802.11a, 802.11n and 802.11h)
AVERAGE NOISE FLOOR (NO INPUT)	< -100 dBm (reference level -70 dBm, resolution bandwidth = 50 kHz)
DYNAMIC RANGE	> 40 dB
LEVEL ACCURACY	± 1.5 dB (25° C)
MAX INPUT (SAFE)	+ 0 dB
MAX INPUT (NO SATURATION)	- 20 dB
REFERENCE LEVEL	-20 to -70 dBm (10 dB steps)
DISPLAY (Tablet UMPC)	see Samsung Q1 specifications
OPERATING SYSTEM (IPAQ)	Windows® XP

TRIGGERING

USER CONTROL	auto or manual
PACKET/INTERFERENCE TRIGGER	trigger analyzer when input power ≥ threshold (20 MHz span)
TRIGGER THRESHOLD	user settable in dBm
TRIGGER DELAY	user settable in mS

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	5 lbs.
DIMENSIONS	3”H x 4”W x 8”L (water resistant, high impact ABS plastic case)

Tablet Specifications

Manufacturer:	Samsung (Q1 Ultra)
CPU:	Intel Pentium 1.33 GHz
LCD:	7” WVGA
Operating System:	Windows XP UMPC Tablet Edition
VRAM:	Shared
Memory:	1GB DDR 400
HDD:	80 GB (4200 RPM)
ODD:	None
Wired:	100MB LAN
Built-In Wireless:	802.11g+BT
Physical Specifications:	
Weight:	2 lb.
Dimensions:	1”H x 5”W x 9”L

Berkeley Varitronics Systems, Liberty Corporate Park, 255 Liberty Street, Metuchen, NJ 08840
Phone 1-888-737-4287 • Fax 732-548-3404 • www.bvsystems.com • E-mail: info@bvsystems.com