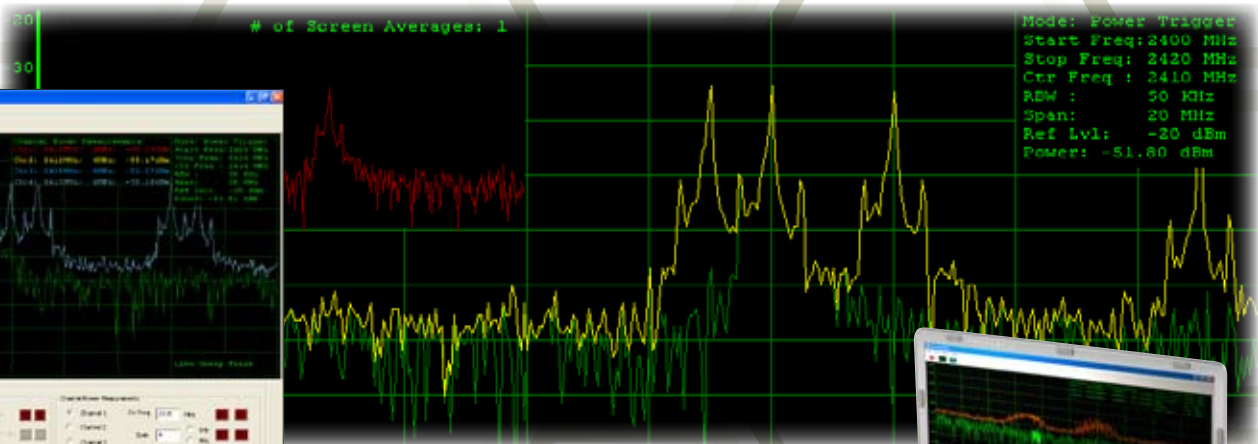


NECTAR™



RF Spectrum Analysis Software On Your PC

Nectar™ is a Windows® XP spectrum analysis software application that scans BumbleBee™ frequency bands 900 MHz, 2.4 GHz and 5 GHz. Users must specify the desired RF frequency models when ordering. Current BumbleBee™ customers may use their receivers with the Pollenator™ PC interface with **Nectar™** software. User selectable channel presets, power trigger and peak hold settings can help in detecting and identifying RF interference sources. Laptop or PC control via USB and ethernet allows for the creation of customized, time-stamped log files for true 24/7 monitoring. In addition, a JPEG/BMP snapshot feature allows users to instantly capture waveforms at key moments for later analysis. **Nectar™** software features up to 5 distinct waveform traces (1 live and 4 peak), screen averaging, video smoothing and power triggering. Various user-friendly power measurement techniques enable accurate channel power, adjacent channel power, peak power and peak-to-average power ratios.



Use BumbleBee™ hardware on your desktop or laptop for spectrum analysis monitoring 24/7.

- ✓ Full Spectrum Analysis using BumbleBee™ calibrated receiver technology
- ✓ Channel Power Measurements (up to 4 user selectable channels)
- ✓ Adjacent Channel Power Measurements
- ✓ Presets for different frequency bands
- ✓ Choose Between 3 Different Models: (900 MHz, 2.4 & 5 GHz) (2.4, 4.9 & 5 GHz) (BumbleBee Wi-MAX frequencies)
- ✓ Interfaces to BumbleBee receiver via USB & Ethernet (using Pollenator™)
- ✓ Power Trigger Modes (with measurement delay)
- ✓ 5 Waveform Traces (1 live & 4 peak traces)
- ✓ Screen Averaging (up to 100 traces)
- ✓ Video Smoothing (VBW : 50 kHz)
- ✓ JPEG/BMP Snapshots of the screen



Use your BumbleBee™ receiver and Pollenator™ to interface with your PC via the USB or Ethernet port.

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





RF Spectrum Analysis Software On Your PC

Frequency:

| | | | |
|---------|-----------------|----------------------|--|
| Ranges: | 902-928 MHz | ISM Band | |
| | 2400 – 2500 MHz | ISM Band | (802.11/802.11b/g standard) |
| | 4940 – 4990 MHz | (Public Safety Band) | *only available in public safety model |
| | 5150 – 5500 MHz | U-NII | (802.11a standard) |
| | 5500 – 5900 MHz | U-NII | (802.11a standard) |

Span: 50 kHz to 800 MHz
Resolution bandwidth: 50 kHz – 1 MHz (50, 100, 300, 500, 1 MHz)
Automatic 802.11 preset bandwidths

Screen Averaging: 1 – 100 Averages
Reference Stability: ± 2.5 PPM
Sweep Time: 320 mSec (20 MHz span, 50 kHz resolution bandwidth)

Amplitude:

Average Noise Floor (No input): < -100 dBm (reference level -70 dBm)
Dynamic Range: > 40 dB
Level Accuracy: ± 1.5 dB (25 deg. C)
Max input (safe): + 0 dBm
Max input (no saturation): - 20 dB
Reference level: -20 to -70 dBm (10 dB steps)

Display/Operating System/Memory:

Number of traces: 3 colors
Trace settings: Peak hold, screen average, windowing average
Marker functions: Peak search, center frequency, left, right, delta
Screen shots saved to .jpg/.bmp file
Operating system: Windows XP or Vista (Latest Service Pack)

Triggering:

Auto or Manual:
Packet/Interference Trigger: Trigger analyzer when input power meets or exceeds selected threshold (20 MHz span)
Trigger threshold: user settable in dBm.
Trigger delay: user settable in mS.

Input Connector: SMA Female, 50Ω

Accessories:

900 MHz Antenna
2400 MHz Antenna
5 GHz Antenna

Optional Accessories:

12V Car Adapter
900 MHz Yagi Antenna
2.4 GHz Directional Antenna
5 GHz Directional Antenna
5 Watt dB attenuator pad

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