



Bandspeed Expands AirMaestro™ Spectrum Analysis Platform with Software that Centrally Monitors Radio-Frequency Interference from Multiple Devices to Improve WLAN Performance, Management and Security

Software allows OEMs to integrate critical, network-wide radio frequency (RF) interference management into WLAN solutions using embedded AirMaestro RF Signal Analyzers

AUSTIN, TEXAS – May 27, 2010 – Bandspeed today announced the availability of the AirMaestro RF Monitoring Service and RF Monitoring Console software. These applications run on a server or appliance to manage the communication to multiple remote systems with embedded AirMaestro RF Signal Analyzers and to provide advanced visibility into remote systems' RF environments. Sold directly to OEMs for integration in their system-level products, this software provides advanced RF spectral analysis and interference management that WLAN equipment vendors can integrate into their WLAN management solutions. Integrating interference monitoring data with WLAN performance and security metrics through data fusion provides a comprehensive WLAN and RF management solution required to support enterprise-class WLANs, and enhances an equipment provider's competitive position.

Wireless communications have historically been vulnerable to RF interference from a variety of sources. WLANs operate in the unlicensed 2.4 and 5 GHz frequency bands, which are also occupied by a range of other devices including cordless phones, microwave ovens, and wireless video cameras. The RF interference from these devices can degrade or, at times, completely disable WLAN communications for networks operating at nearby frequencies.

The AirMaestro RF Monitoring Service provides comprehensive and centralized monitoring of the RF environment for real-time management and investigation into historical interference events. Systems with embedded AirMaestro RF Signal Analyzers continuously scan all of the IEEE 802.11 channels in the 2.4 GHz and 5 GHz frequency bands for interference, classify the interference, and record the interference events in local event logs at the edge of the network. The network can make automatic adjustments to self-heal the interference issues affecting WLAN performance and record configuration changes in the event log. The RF Monitoring Service collects interference and event data from the remote systems and manages the information in a centralized database. The service and its database are accessible through APIs and the AirMaestro RF Monitoring Console applications, supporting easy integration with existing WLAN management systems.

The RF Monitoring Service supports centralized monitoring of up to 10,000 AirMaestro-enabled systems simultaneously. The service also supports logical grouping of systems, similar to a file folder structure. This allows the user to group systems and filter the database for interference information applicable only to a subset of the systems monitored. A useful grouping structure could be groups based on location, with sub-grouping to get more specific on the devices location. This provides the user with the ability to view the aggregate database for the complete network, and drill down to the specific interference history associated with a particular floor in a building.

The RF Monitoring Service manages the centralized interference and event database, and generates alerts when configurable event thresholds are exceeded. Alerts can be configured to send notifications when connections to sensors go down, specific interferers are detected, or when interference from non-802.11 devices exceeds certain thresholds.

The RF Monitoring Console supports advanced spectrum displays for remote visibility into the RF environment for diagnostics and troubleshooting. This includes the ability to view both real-time RF spectral data and historical interference event information. The following displays are available in the RF Monitoring Console application:

- Consolidated Interference Log
- Centralized Event Log
- Spectrum Analyzer
- Persistence Graph
- Scrolling Spectrogram with Interference Classification Overlays
- Channel Quality Display
- Channel Utilization Display (both WLAN and non-WLAN)

These advanced spectrum displays are available as flash applications, allowing WLAN equipment manufacturers to easily integrate the RF Spectrum Analysis console displays with their existing WLAN management user interface.

“With WLANs now supporting mission-critical applications, continuous monitoring of the RF environment including interference detection, classification and logging is imperative to ensure network performance and security,” said Bill Eversole, president and CEO, Bandspeed. “Our AirMaestro RF Monitoring Service and RF Monitoring Console software provides OEMs a turn-key RF interference monitoring solution they can integrate into their WLAN platform to provide the comprehensive knowledge, control and security required by today’s enterprise-class wireless networks.”

Pricing and Availability

The AirMaestro RF Monitoring Service and RF Monitoring Console software are available today. Multiple connection license options provide a flexible pricing structure to adapt to different OEM business models.

About Bandspeed

Bandspeed is the leader in embedded radio-frequency (RF) interference detection, classification, avoidance and management solutions, providing integrated circuits, firmware and software to OEMs to integrate spectrum analysis into their solutions. Bandspeed is privately held and headquartered in Austin, Texas. For more information on Bandspeed, please contact the company at (512) 358-9000, or visit Bandspeed’s website at www.bandspeed.com.

Press/Analyst Contacts:

Bandspeed, Inc

Catherine Seeds

Ketner Group Inc.

Telephone: (512) 794-8876

catherine@ketnergrou.com