Tektronix Launches H600 RFHawk™ Signal Hunter

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Addition to Field Test Line Provides Surveillance Customers with Unmatched Signal Hunting Features in a Handheld Form Factor

RICHARDSON, Texas, February 26, 2008 – Tektronix Communications, a leading worldwide provider of communications network management and diagnostics solutions, today launched the H600 RFHawk™, its handheld, digital RF signal hunter solution for the surveillance and security market. The H600 RFHawk combines a high performance spectrum analyzer with an intuitive set of user controls, allowing for the quick and simple classification and location of both analog and digital RF transmissions.

The importance of quickly tracking down signals that may be used for disruptive, illegal purposes has grown significantly in recent years. Wireless bugs, malicious remote control RF links, illicit activities using wireless devices or unintentional emissions that hamper infrastructure operation are often of great interest. Finding and physically locating RF emitters that are misusing the radio spectrum can be a challenging process, especially when risk mitigation and time to response are critical.

“The addition of the H600 RFHawk to Tektronix’ spectrum analyzer portfolio provides unprecedented power to the surveillance customer in the field," said Bob Hiebert, General Manager, Wireless Field Test, Tektronix Communications. “Many covert signals are designed to avoid detection by hiding among legitimate transmissions. We developed the RFHawk based on customer input for the specific challenges of field operations, combining high performance RF measurements with advanced signal classification and location tools.”

Utilizing the H600 RFHawk, surveillance engineers and field operators can quickly and effectively spot and locate illegitimate analog and digital RF transmission sources in the field. The battery operated, rugged solution provides field-proven signal hunting, mapping and documentation tools, offering unparalleled performance for rapid targeting of illegitimate signals.

The touch-screen user interface offered by the H600 RFHawk is designed for field conditions and optimized for scanning the RF environment, classifying the known signals and locating the unknown or illegitimate analog and digital RF transmission sources. The spectrogram mode feature of the H600 RFHawk allows customers to see the true signal shape through FFT-based spectrum analysis capabilities. This is especially useful for bursty signals such as WiFi, hopping such as GSM, or intentionally sporadic signals. The H600 RFHawk allows logging of these signals and storing geographic reference data per measurement.

A simple but powerful user interface allows for a specific region of interest to be clearly defined and isolated for scanning, analyzing, and storing. Within that region of interest, the RFHawk uses a DSP technique – spectral correlation analysis – to look at internal frequencies within the signal. By using this technique, it is possible to find a digital signal’s symbol rate, other repetitive internal rates and compare the signal to known valid signal types.

When an unrecognized signal is defined as a potential threat, the H600 RFHawk provides a field-proven set of signal hunting tools. Directional antenna and signal strength readings linked to built-in GPS referenced or in-building maps enable rapid narrowing of the search area, leading to the target. Users can easily plot the direction from which a suspicious signal is emanating. High sensitivity and low noise floor allow tracking of faint signals better than most traditional handheld spectrum analyzers.

Prior to Tektronix’ H600 RFHawk handheld solution, precise location and identification of signals was

typically accomplished through the use of a combination of lab-grade spectrum analyzers, oscilloscopes and off-line analysis capabilities using a PC. The increased portability and rugged features offered by the handheld H600 RFHawkovercomes the limitations associated with analysis equipment not specifically designed for field use.

The H600 RFHawk is part of Tektronix' wireless field test product line. Learn more about the solution by visiting http://www.tek.com/RFHawk.

RFHawk complements Tektronix' industry leading real-time spectrum analysis solutions – critical to the security and surveillance community. Additional information can be found at: http://www.tek.com/products/spectrum_analyzers.

About Tektronix Communications

Tektronix Communications provides network operators and equipment manufacturers around the world an unparalleled suite of network diagnostics and management solutions for fixed, mobile, IP and converged multi-service networks. This comprehensive set of solutions support a range of architectures and applications such as LTE, fixed mobile convergence, IMS, broadband wireless access, WiMAX, VoIP and triple play, including IPTV. Tektronix Communications is headquartered in Richardson, Texas. Learn more about the company's test, measurement and network monitoring solutions by visiting www.tek.com/communications.

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