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SeeHawk Engage™ Integrates with iBwave

Facilitates Small Cell Network Deployments

BLOOMINGDALE, Ill.--(BUSINESS WIRE)-- PCTEL, Inc. (NASDAQ:PCTI), a leader in Performance Critical Telecom solutions, announced today that its SeeHawk Engage™ mobile network performance testing tools have been integrated with iBwave Mobile Planner and iBwave Mobile Note. Engineers can use the combined system to simultaneously create a baseline of the existing RF environment and design wireless networks in the field. This field-based testing and design method reduces costs and speeds up the deployment of small cell and in-building networks.

"To take full advantage of the low cost and higher volumes of small cells, operators and venue owners need a different approach to design and optimize their networks," said Benoit Fleury, VP Product Line Management at iBwave. "For our customers, SeeHawk Engage is a valuable complement to iBwave's network design tools in that it enables customers to further streamline the deployment process of small cell networks," he added.

SeeHawk Engage and iBwave tools operate on a single commercial Android device. Engage collects customer experience data from one or more Android devices and passes it to iBwave in real time. For a more complete and accurate baseline of the network, Engage can also collect data from PCTEL's IB*flex*® scanning receiver. iBwave uses the baseline established by Engage for analysis, including predictive mapping, and design. SeeHawk Engage also automatically stores data in the cloud for future analysis.

"iBwave and PCTEL have developed complementary tools that together form a complete solution for network testing and design," said David Neumann PCTEL's Senior Vice President and General Manager, RF Solutions. "We will continue to develop products and services that make engineers' lives easier," added Neumann.

In addition to iBwave integration, the latest release of SeeHawk Engage features an updated user interface with improved project workflows. The workflows speed the setup process and make it easier to conduct baseline and other testing throughout the network lifecycle.

About iBwave

iBwave is the power behind great in-building wireless experience, enabling billions of end users and devices to connect inside a wide range of venues. As the global industry reference, our software solutions allow for smarter planning, design, and deployment of any project regardless of size, complexity, or technology. Along with innovative software, we are recognized for world-class support in 90 countries, the industry's most comprehensive components database, and a well-established certification program. For more information visit: http://www.ibwave.com.

About PCTEL

PCTEL, a global provider of RF expertise, delivers **P**erformance **C**ritical **Tel**ecom solutions to the wireless industry. PCTEL benchmarks and optimizes wireless networks with its data tools, engineering services, and RF products. PCTEL's antennas and site solutions are vital elements for networks serving SCADA, fleet management, health care, public safety, and education.

PCTEL's **RF Solutions** products and services improve the performance of wireless networks globally. PCTEL's performance critical products include its SeeGull MX*flex*®, IB*flex*®, and EX*flex*® scanning receivers. PCTEL tools also include CW transmitters, signal analyzers, and the SeeWave interference locating system. PCTEL's SeeHawk® software portfolio includes SeeHawk® Touch, SeeHawk® Collect, SeeHawk Engage™, SeeHawk Engage+™, SeeHawk Engage™ Lite, SeeHawk™ Studio, and SeeHawk™ Analytics. PCTEL provides specialized staffing, interference management and performance critical RF engineering services for wireless networks.

PCTEL **Connected Solutions** designs and delivers performance critical antennas and site solutions for public and private wireless networks globally. PCTEL's performance critical antenna solutions include high rejection and high performance GNSS products and innovative broadband LTE and Wi-Fi solutions for fixed and mobile applications, including transit, in-

building, and small cell networks. In addition, PCTEL provides a broad portfolio of LMR and Yagi antennas. We leverage our design, logistics, and support capabilities to deliver performance critical antenna and site solutions into carrier, railroad, utility applications, oil and gas, and other vertical markets.

PCTEL's products are sold worldwide through direct and indirect channels. For more information, please visit the company's web sites: pctel.com, antenna.com, or rfsolutions.pctel.com

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