



VeriWave Launches First 802.11n Debugging, Trouble-Shooting and Unit Test Tool For Early Stages of Product Development

WaveDynamix Speeds Time to Market and Reduces Development Costs

PORTLAND, OR – February 19, 2008 – VeriWave, Inc., is expanding its industry-leading wireless LAN (WLAN) performance testing and analysis to address the early development stages of 802.11 -compliant devices. Its newly available *WaveDynamix*TM application makes VeriWave's test solutions the first to extend from development through market introduction and live deployment of 802.11 networks. It allows developers to dramatically reduce the time to test for functional, integration, and field failure test cases.

The competitive nature and technical complexity of 802.11n wireless networks demands improved product quality and accelerated product delivery. Addressing this need, *WaveDynamix* offers developers unprecedented visibility into how new 802.11 devices will perform in live installations, early in the development cycle. Designed for developers of 802.11 chip-sets, drivers, management software, devices, and Access Points, *WaveDynamix* provides:

- The ability to test the functionality, performance, and exception handling of the wireless hardware *before* the software is integrated
- Step-by-step integration testing that facilitates the controlled progression and in-place troubleshooting of clients as they progress through the association and data transmission process
- Determine failure causality through real-time control and results of all clients and traffic in the test bed
- Concurrent generation and analysis of good traffic and attack traffic to validate protection mechanisms

"One of the biggest challenges facing developers of complex 802.11 networking devices is the inability to efficiently assess the quality and performance of a device before it is fully integrated," says Glenn Chagnot, VeriWave's Chief Architect. "*WaveDynamix* helps isolate and troubleshoot potential design issues, identifies exception and corner cases, and provides the granular testing that is necessary to gain insight into software readiness, timing, and overall performance earlier in the product development phase than has ever previously been possible."

First Debugging, Trouble-Shooting and Unit Test Tool for 802.11n Development

WaveDynamix allows hardware developers to generate and analyze traffic without functioning software. As designs progress, Quality Assurance (QA) engineers can accelerate unit testing and integration with customized test scenarios and troubleshooting tools that quickly isolate failures. Finally, as new products are introduced, marketing and support teams can confidently predict and quantify performance to meet customer expectations.

Key benefits include:

- **Early Problem Identification:** In the past, developers had a difficult time identifying and isolating the root cause of unexpected behaviors because testing could only be conducted on integrated solutions. *WaveDynamix* facilitates testing much earlier in the design cycle by enabling testing on subsystems.
- **“Capture on demand”:** *WaveDynamix* introduces the ability to capture every frame exchanged at the point of failure without perturbing the system state to dramatically improve the ability to diagnose intermittent problems.
- **Real-time control and “Over time” Results:** Network performance is heavily impacted by the interaction between various components of the system such as the system’s response to the wireless environment. *WaveDynamix* lets development and QA engineers create dynamic interactions, control the timing and the order of these interactions, and view the device’s response over time both graphical and numerical format.
- **Unprecedented Configuration Control:** *WaveDynamix* leverages the unmatched capabilities of the VeriWave’s *WaveTest* system allowing the user to control all aspects of the test including environmental conditions, client types and behaviors, frame contents, as well as flow patterns and rates. This level of control allows the user to create an unmatched range of test cases and configurations that are highly repeatable without the need for multiple tools.

Availability

WaveDynamix is available now and is supported by all of VeriWave’s traffic generation and analysis interfaces including WLAN 802.11 a/b/g/n and Ethernet 802.3 10/100/1000 Mbps.

About VeriWave

VeriWave is the leading provider of test systems for performance analysis of wireless local area network (WLAN) products. VeriWave’s products are used by equipment manufacturers to accurately analyze the performance of their products, as well as by carriers and enterprise users to make the right choice when selecting WLAN equipment for deployment in their networks. For more information about VeriWave, call (503) 473-8350, or go to www.veriwave.com

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