



## **VeriWave Introduces Industry's Most Comprehensive Test Suite for Wireless Mesh Networks**

### ***Test Suite Validates Backhaul Routing, Voice Quality and Scalability***

Portland, OR. November 20, 2006 – VeriWave Inc., the leading provider of performance analysis test systems for wireless local area networks (WLANs), is introducing the industry's most comprehensive mesh network test suite, addressing the key challenges facing campus, metro, and wide area deployments. With mesh networks experiencing explosive growth, VeriWave's latest test suite ensures faster time-to-market while extending test coverage to its highest level.

VeriWave's Wireless Mesh Suite introduces a comprehensive set of tests that quantify client capacity, validate backhaul resiliency and self healing capabilities, measures throughput at the node and network level, and characterizes the quality of hundreds of voice calls in the presence of other applications. Performing these tests prior to deployment and/or during production increases test coverage, helps in identifying bugs early in the development process, and shortens overall time-to-market.

Tests offered by the Wireless Mesh Test Suite include:

- **Client Capacity:** Determines the maximum number of clients for which a mesh network can support a given Service Level Agreements (SLAs) defined by: maximum packet loss, guaranteed throughput, and acceptable latency;
- **Fail-over & Recovery:** Determines the speed and efficiency of the mesh network re-route protocols when identifying and using an alternate backhaul path.
- **VoIP QoS:** Characterizes the mesh network's service level capacity, service level guarantees, and service differentiation efficiency for VoIP calls.
- **WLAN Roaming:** Determines the end-to-end connection re-establishment time and packet loss experienced by mobile VoIP and data clients on the mesh network.
- **Throughput:** Identifies the maximum rate at which the network can forward packets without loss on a per-hop or aggregate basis.

“Of all the developments unfolding in wireless networking, the evolution of mesh networks has the greatest potential to serve not only residential and business customers, but also become an important part of the public safety and emergency response infrastructure,” says Eran Karoly, VP Marketing at VeriWave. “With equipment suppliers and network operators grappling with the challenges of mission critical wireless networks in a hostile environment, VeriWave is offering the most comprehensive and definitive set of tests to ensure the quality and readiness of wireless mesh networks for prime time.”

## **How It Works**

Key to VeriWave’s Wireless Mesh Test Suite, is its ability to measure throughput, voice quality and client mobility in the presence of constantly changing environmental conditions which are affecting the network’s backhaul capabilities. The test suite introduces impairments by systematically destroying frames on the primary backhaul link, precisely modeling the interference seen in live deployments, and causing the network to reconfigure itself to the new conditions. This offers developers the ability to measure the capacity, response time and the effectiveness of the designed recovery schemes.

VeriWave’s Wireless Mesh Test Suite is the industry’s first product that can precisely benchmark performance of WLAN mesh equipment and networks as opposed to merely validating compliance with standards designed to ensure vendor interoperability. The mesh tests leverage the ability of VeriWave’s stateful clients to create thousands of real client sessions, by introducing unprecedented scalability and configuration control into the testing process.

WaveTest applications allow equipment manufacturers to perform and automate regression and stress testing, repeat tests to verify results, and vary parameters to ensure predictable performance under a full spectrum of real-world conditions. VeriWave’s comprehensive portfolio includes tests for measuring VoIP QoS, standardized benchmarking, and roaming and mobility, critical to mass deployment of enterprise and wide area wireless networks.

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