VeriWave Introduces VoIP Over WLAN Test

VeriWave, a provider of WLAN test products, has announced the introduction of what it calls a "real-world Voice over Internet Protocol (VoIP) over WLAN test solution." The VeriWave VoIP over WLAN analysis test suite assesses voice-quality metrics of real-world VoIP over WLAN networks. It analyzes traffic prioritization, evaluates the network behavior in the presence of non-voice traffic, and measures overall call quality when users roam between wireless LAN access points.

"Voice is quickly becoming one of the driving applications for wireless within the enterprise," said Keerti Melkote, co-founder and VP of product management for Aruba Networks. "Aruba’s success in servicing mixed voice and data solutions has recently been demonstrated at a number of managed services deployed worldwide. VeriWave’s VoIP over WLAN Test Suite has proven to be the best-suited, most reliable, and precise test tool to qualify our offering in real-world conditions."

VeriWave’s VoIP over WLAN Test Suite provides for open-air testing of mixed voice/data networks. It also supports a variety of real handsets to generate voice traffic—scaling the network capacity from just a single handset to the maximum number of handsets the network can support before voice quality degrades to below user-acceptable levels. VeriWave’s test suite also evaluates mixed-use networks by introducing precisely controlled data traffic to the networks, generated by VeriWave’s WaveTest traffic generator/performance analyzer.

"VeriWave’s VoIP over WLAN test suite allows equipment vendors, carriers, and enterprise users deploying wireless LANs, for the first time, to measure the real capability of such a network to handle the demanding requirements of corporate, mission-critical networks," said Eran Karoly, VP of marketing at VeriWave. "It allows equipment vendors to debug and enhance their traffic prioritization schemes and to maximize their voice-call handling capabilities without adversely affecting the end-user experience. For those deploying, or planning to deploy, a wireless LAN network offering mixed voice and data services, this suite is the first to compare and evaluate solutions from various vendors to assess overall user satisfaction before actual deployment."

The test suite utilizes the VeriWave WaveTest traffic generator/performance analyzer to capture all traffic on the wireless LAN medium. WaveTest automatically calculates a variety of performance metrics characterizing the network behavior, with the most important metric being the R-Value scores for each voice call, as well as for the aggregate of all calls. R-Value scores are the VoIP equivalent of the MOS scores used to characterize voice call quality in traditional telephony networks.

In addition to creating the base-line quality measurements of a VoIP-over-WLAN-only network, the test suite adds background data traffic to precisely evaluate how the wireless network handles voice call prioritization in the presence of precisely controlled data traffic, and it assesses individual call quality when handsets roam between wireless access points.
The VoIP over WLAN analysis test suite and the WaveTest traffic generator/performance analyzer are available now. WaveTest pricing starts at $28,995.

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