



WaveAgent™ - Network Device Performance Characterization

WaveAgent - A small footprint software utility loaded onto a networking device. It provides device-specific measurements of forwarding rate, throughput, loss, voice MOS, video MDI, round-trip latency and jitter when enabled by VeriWave's WaveInsite, WaveQoE, WaveDynamix and WaveClient applications.

Benefits

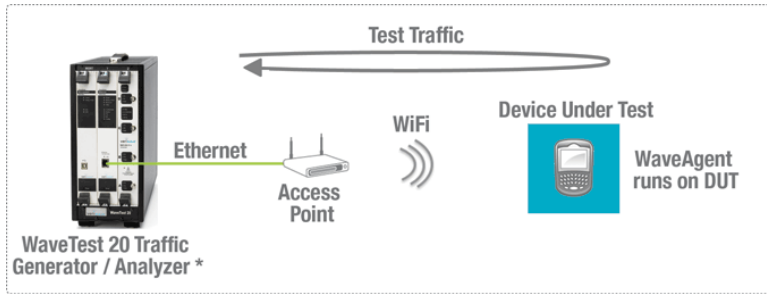
- Enables performance testing of a network device subsystem (device driver and integration) independently of the application
- Integrates with VeriWave's Traffic Generator / Analyzer providing precise performance measurements in ideal conditions as well as within an eco-system of other devices generated by the VeriWave system
- Works over any network interface (Ethernet, WLAN, 3G, MoCA, WiMAX, LTE, etc.)
- Small footprint of less than 200 Kbytes

Functions

- Measure forwarding rate, loss, latency, jitter, UDP goodput, TCP goodput, voice MOS, and video MDI of the client Device Under Test (DUT) – WaveAgent is loaded onto this device.
- Operates in conjunction with a "host" VeriWave Ethernet Traffic Generation / Analysis port connected to the network that communicates with the device under test.
- WaveAgent allows test traffic generated by the VeriWave test port to pass through the DUT without higher layer applications interfering with measured results
- WaveAgent can be utilized with the following VeriWave applications: WaveInsite, WaveDynamix, WaveClient and WaveQoE
- Supported DUT operating systems:
 - Windows XP
 - Windows 7
 - Windows Vista
 - Windows Mobile 6
 - Linux—2.6 or higher kernel
 - MAC OS X
 - iOS3 & iOS4 for iPhone, iPad, iPod Touch – available on the App Store or from iTunes

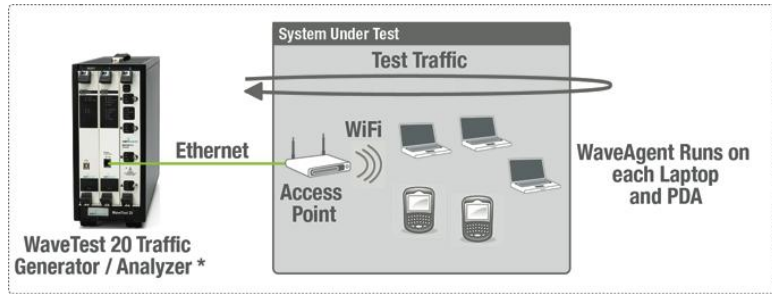
Application Examples

WLAN CLIENT TEST



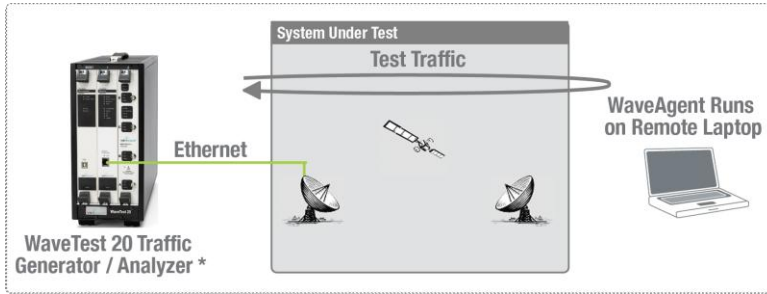
Test WLAN client performance in ideal conditions, in live environments, or with eco-system traffic created by VeriWave

INTEROPERABILITY TEST



Verify interoperability with laptops and PDA's from various vendors. Test can be run individually on each laptop / PDA or simultaneously

WAN LINK TEST



Easily test the performance of any WAN link using remotely installed WaveAgent

* Use the hand-held EF1101 traffic generator / analyzer or the WT20 when testing with WaveInsite.

Minimum Requirements

VeriWave Test System	<ul style="list-style-type: none"> • 1 x VeriWave WaveTest 90 or WaveTest 20 system • 1 x VeriWave single port Ethernet Port (WBE1101) <p style="text-align: center;">Or</p> <ul style="list-style-type: none"> • EF1101 hand-held traffic generator / analyzer
VeriWave Software	<ul style="list-style-type: none"> • 1 x WaveAgent • 1 x WaveInsite, WaveDynamix , WaveQoE or WaveClient
Host Computer	<ul style="list-style-type: none"> • X86-based PC with 1GHz processor and 256MB RAM • Windows XP SP2
Delivery Mechanism	CD or web download