

# Maximize engineering resources with Agilent's Air Interface Remote Monitoring System

### Challenges

- · To reduce operating expenses and better manage capital expenses on wireless networks
- · To build and expand wireless networks without increasing engineering headcount
- · To proactively improve network performance with efficient troubleshooting and optimization tools

### **Solution**

· Agilent Air Interface Remote Monitoring System

### **Results**

- Reduce operating expenses by autonomously collecting drive test data
- · Increase work force efficiency up to 60% by reducing unnecessary drive tests
- · Improve network performance by finding and solving network problems in hours rather than days





## Agilent Technologies

### Agilent Air Interface Remote Monitoring System

With the Agilent Technologies Air Interface Remote Monitoring System, service providers can maximize the efficiency of their engineering staff by allowing engineers to remotely analyze, understand, and correct network problems before they affect your subscribers. No longer do engineers need to spend time driving to find the problem, driving back to the office, analyzing the data, driving back out to the site, and starting the process again. Now, engineers in the office can analyze data collected from the remote probes using a centralized server with an interactive Web interface.

#### **Remote measurement probes**

- Controller-based measurement system with dedicated
  measurement phone
- · Pre-processing on the probe turns data into information
- Layer 3 messaging
- Small (approx. 12" x 12" x 6"), rugged, flexible probe for permanent mounting with the ability to change/upgrade phones inside one housing



Agilent's Air Interface Remote Monitoring System collects RF performance data from remote probes to optimize wireless networks.



### Web-based application

- Network-wide probe configuration via a standard Web browser
- · Historical trending (delta) analysis
- Allows for standardized practices throughout the entire network
- Binned statistics and analysis for busy hour or non-busy hour analysis
- Record and analyze measurements based in a variety of modes including binned data and raw context data on alarm conditions
- Open architecture using Oracle 9i Database server

For more information about Agilent's solutions for the communications industry, visit our Web site at: www.agilent.com

For more information about Agilent's Remote Monitoring System, go to: www.agilent.com/find/RMS

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