Reduce operating costs while growing your network with Agilent's Base Station Remote Monitoring System
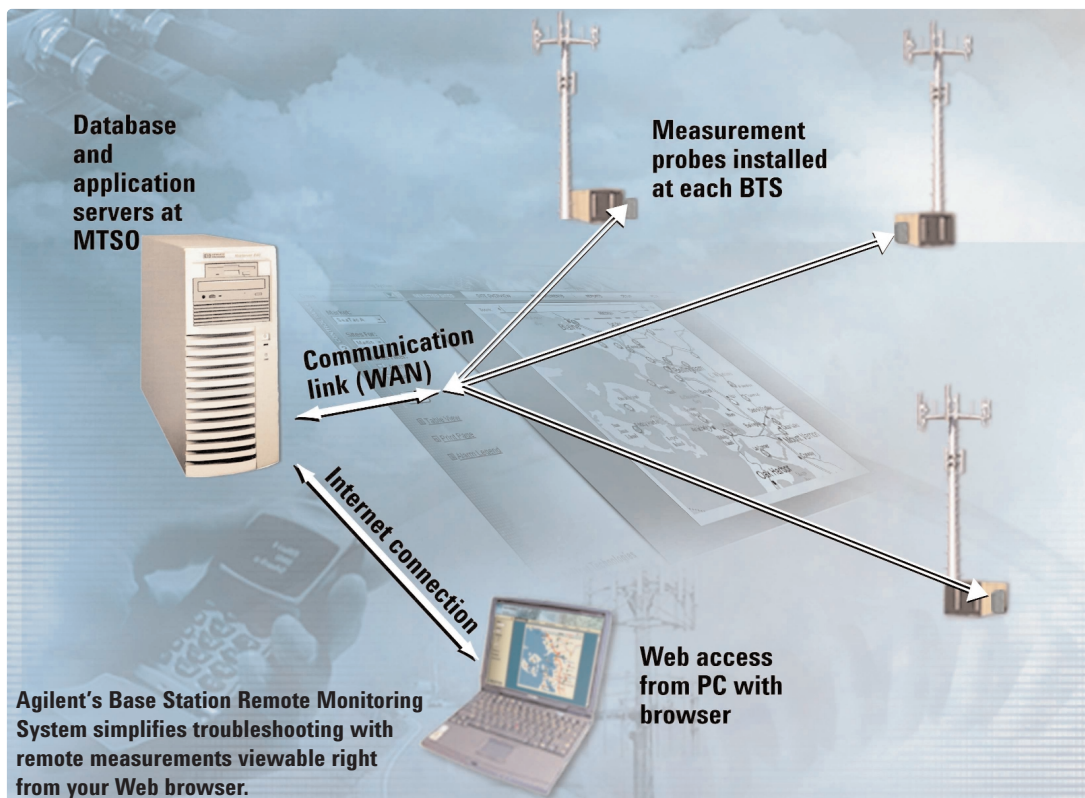
Challenges

- To expand wireless networks without increasing operational expenses
- To simplify base station maintenance and reduce truck rolls
- To detect and resolve network problems before service is affected

Solution

- Agilent Base Station Remote Monitoring System

Results

- Reduce operational expenses and expand your networks faster
- Increase work force efficiency up to 60% by reducing unnecessary truck rolls
- Continuously monitor your network and detect problems before service is affected

Database and application servers at MTSO

Measurement probes installed at each BTS

Communication link (WAN)

Internet connection

Web access from PC with browser

Agilent's Base Station Remote Monitoring System simplifies troubleshooting with remote measurements viewable right from your Web browser.

Agilent Technologies

Agilent Base Station Remote Monitoring System (E6460A)

The Agilent Technologies remote monitoring strategy places measurement probes at base stations across a network, or segments of a network. The system provides wireless service providers base station measurements 24 hours a day, 7 days a week. Threshold alarms automatically alert your technicians of potential problems and trends. A browser based GUI (graphic user interface) enables anytime – anywhere access of your base station's health. Agilent's Base Station Remote Monitoring System defines a more efficient way to diagnose and solve network problems in real time and allows you to make better use of your on-site testing resources.

Agilent's Base Station Remote Monitoring System can save technicians site visits.

Permanently installed probes in each cell site monitor:

• Antennas and feedlines

• Base station output amplifiers, transmit signal quality, and traffic loading

• Call functionality (test call)

• Wireless data tests

• Backhaul link (T1/E1)

• Air-interface forward and reverse spectrum analysis

• Other site alarm events

In one view technicians can quickly identify site problems.

Central server provides all system communications and control:

• Automatically collects measurement results and alarm events from probes

• Open database architecture allows trended data analysis and integration with other systems

• Built-in Web server provides browser-based user interface

• Sends SNMP traps to your OSS systems for trouble-ticketing and notification

• Enables you to remotely manage all probe configuration and firmware upgrades as new features are installed

For more information about Agilent's solutions for the comunications 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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Product specifications and descriptions in this document subject to change without notice.

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