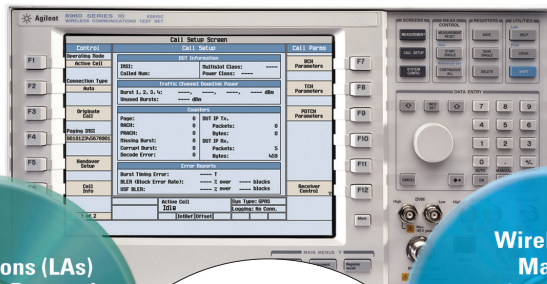


## Speed Wireless Device Development Using the 8960 Test Set to Create a Network in a Box

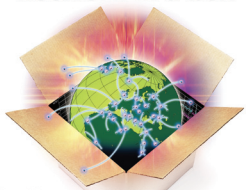
*Optimize performance of diverse wireless devices and streamline the transition from design to production*



**Lab Applications (LAs) with Wireless Protocol Advisor software (WPA)**

GSM	cdma2000
GPRS	W-CDMA
EGPRS	1xEV-DO

**network in a box**



**Agilent 8960 test set**

**Wireless Test Manager software (WTM)**

GSM	W-CDMA
GPRS	1xEV-DO
EGPRS	IS-95
cdma2000	AMPS/136

If you design chipsets, modules, or wireless devices, you realize that the complexity of today's wireless devices has never been greater and that it's imperative to deliver a reliable product while minimizing time-to-market.

Using the Agilent 8960 (E5515C) wireless test set with technology-specific lab application software allows you to create a network in a box. This one-box, desk-top package cost-effectively emulates a live wireless network, giving you Internet connectivity with real data traffic flows. It provides easy-to-use RF parametric tests and data verification functionality so you can evaluate and troubleshoot a device's signaling functionality, IP performance, and user experience right at your desk.

### Our one-box network emulation solutions allow you to:

- tune RF parameters
- evaluate battery drain
- test and improve user equipment operation
- emulate real-world Web surfing, video conferencing, and data transfer
- validate SMS including non-European character sets, picture messages, e-mail, and WAP location-based services
- simulate RF network impairments
- test under network fading conditions

...all while eliminating the wait for access to a live network to do testing

## Expedite Device Development and Transition into Production

### Lab applications

Agilent offers a variety of technology-specific lab applications to expedite device development for these technologies:

- GSM
- GPRS
- EGPRS
- W-CDMA
- cdma2000
- 1xEV-DO

### Wireless protocol analysis

If protocol designs become difficult to merge into a working device, use Agilent's Wireless Protocol Advisor (WPA) software. Provided with each lab application, WPA allows you to perform real-time protocol logging at every layer so you can focus the logger down to individual messages or values within messages. This feature helps you quickly isolate and resolve difficult signaling functionality and timing issues.

### Wireless Test Manager

Agilent's Wireless Test Manager software makes it quick and easy to automate and optimize wireless device calibration and test. Wireless Test Manager provides technology-specific tests, complete menu-driven test plans, test exec functionality, and features a Microsoft Visual Basic® .NET development platform for complex test plan programming.

## Solutions Suited for the Complete Wireless Device Life-Cycle

The diversity and benefits of the 8960 network in a box solutions extend beyond the desk of wireless device designers.

### Conformance and interoperability testing

To ensure your wireless devices meet industry standards, Agilent has partnered with Anite to deliver an industry-certified conformance and interoperability test solution. Using the E5515C test set and Anite protocol test software, you can increase test result consistency throughout the entire product development cycle, from early design stages through software integration and interoperability (IOT) testing.

### Smooth transition

Since more wireless phones are tested in production on the 8960 than all other wireless test sets combined, you can design with confidence. Using the 8960 and lab applications to create network in a box solutions saves you valuable time transitioning new devices to manufacturing since it provides the same testing accuracy and repeatability in the lab as it does on the production floor.

### For more information

Obtain an overview of Agilent's 8960 network in a box solutions at

[www.agilent.com/find/8960devicedesign](http://www.agilent.com/find/8960devicedesign)

Get the latest updates on new 8960 network in a box products and features at

[www.agilent.com/find/networkinabox](http://www.agilent.com/find/networkinabox)

Discover the ease of developing test plans using Wireless Test Manager products at

[www.agilent.com/find/wtmanagers](http://www.agilent.com/find/wtmanagers)

See how Agilent solutions combine to create conformance testing solutions approved by Industry Standards

[www.anitelecoms.com/products/](http://www.anitelecoms.com/products/)

Product specifications and descriptions in this document subject to change without notice.

© Agilent Technologies, Inc. 2005  
Printed in USA March 24, 2005  
5989-2488EN

Microsoft and Visual Basic .NET are US registered trademarks of Microsoft Corporation.



**Agilent Technologies**