



Agilent E6560A cdma2000/IS-95 Wireless Test Manager

Product Overview



Powerful, easy-to-use test automation software for design and manufacturing helps you get your wireless devices released and into volume production fast.

Tests supported

CDMA call processing

- registration
- page (base station origination)
- MS (mobile station) origination
- base station release
- voice quality analog quick audio functionality
- talk time
- IMT-2000, Japan CDMA, NMT-450, Korean PCS, US PCS, and US cellular bands
- cdma2000, IS-95, and AMPS wireless systems
- hard handoffs (system, band, channel and PN offset)

CDMA transmitter tests

- waveform quality
- code domain power
- traffic channel open loop power control
- closed loop power control
- maximum RF output power
- minimum controlled output power
- access probe open loop power
- gated power
- code channel timing and phase error
- transmitter spurious emissions
- handoff waveform quality
- code channel power accuracy

CDMA receiver tests

- traffic channel FER with AWGN
- supplemental channel FER with AWGN
- receiver sensitivity FER

CDMA RX/TX tests

- quick general test

AMPS transmitter tests

- frequency error
- RF power output
- audio frequency response
- audio distortion
- FM hum and noise
- SAT deviation and frequency error
- compressor response

AMPS receiver tests

- SINAD
- audio frequency response
- audio distortion
- hum and noise
- expander response

AMPS RX/TX

- quick general test

General tests

- current drain



Hardware supported

Test instruments

- Agilent 8960 test set
- E5515C mainframe (or upgraded E5515B/T) with Option 003
- E1962B cdma2000/IS-95/AMPS mobile test application (revision B.03 or later)
- Agilent 66319B and 66321B power supplies
- Agilent 34970A with 34901A, 34903A, and 34907A data acquisition/switch unit

Fixtures

- Agilent E8421A wireless test fixture
- Agilent N4049A (Tescom TC 5942B)

Adapters

- Agilent 82357A USB/GPIB interface
- National Instrument GPIB-USB-A external controller

PC cards

- Agilent GPIB
- National Instruments GPIB
- Advantech PCI 1750 digital I/O
- Rocket 9870-3 multi-port serial

Peripherals

- Symbol LS-12220-1200A fixed bar code reader
- Symbol LS-3603MX-1200A handheld bar code reader
- HP printers
- Epson MT-U200D strip printer

PC requirements

- Microsoft® Windows NT, 2000, or 98 SE (Second Edition)
- Microsoft Visual Basic 6.0, Service Pack 5¹
- Microsoft Internet Explorer Version 5.0 or later
- Adobe Acrobat™ 4.0 or later²
- 500 MHz Pentium® III or higher
- 256 MB RAM recommended, 128 MB RAM minimum
- 100 MB free hard drive space
- CD-ROM
- GPIB card or converter with VISA drivers
- parallel port for security key
- serial ports for fixtures, device control and bar code reader

For more information

E6560A wireless test manager specifications and product literature are available at www.agilent.com/find/E6560A

8960 test set specifications, product literature, application notes and configuration guide are available at www.agilent.com/find/8960

1. Not required to run software, required for Visual Basic test development capability
2. Not required to run software, used to view help files in PDF format

Windows, NT, 2000, 98, Visual Basic and Internet Explorer are U.S. registered trademarks of Microsoft Corp. Adobe Acrobat is a trademark of Adobe Systems Incorporated. Pentium is a U.S. registered trademark of Intel Corporation.

Agilent Technologies' Test and Measurement Support, Services, and Assistance

Agilent Technologies aims to maximize the value you receive, while minimizing your risk and problems. We strive to ensure that you get the test and measurement capabilities you paid for and obtain the support you need. Our extensive support resources and services can help you choose the right Agilent products for your applications and apply them successfully. Every instrument and system we sell has a global warranty. Support is available for at least five years beyond the production life of the product. Two concepts underlie Agilent's overall support policy: "Our Promise" and "Your Advantage."

Our Promise

Our Promise means your Agilent test and measurement equipment will meet its advertised performance and functionality. When you are choosing new equipment, we will help you with product information, including realistic performance specifications and practical recommendations from experienced test engineers. When you use Agilent equipment, we can verify that it works properly, help with product operation, and provide basic measurement assistance for the use of specified capabilities, at no extra cost upon request. Many self-help tools are available.

Your Advantage

Your Advantage means that Agilent offers a wide range of additional expert test and measurement services, which you can purchase according to your unique technical and business needs. Solve problems efficiently and gain a competitive edge by contracting with us for calibration, extra-cost upgrades, out-of-warranty repairs, and on-site education and training, as well as design, system integration, project management, and other professional engineering services. Experienced Agilent engineers and technicians worldwide can help you maximize your productivity, optimize the return on investment of your Agilent instruments and systems, and obtain dependable measurement accuracy for the life of those products.

By internet, phone, or fax, get assistance with all your test and measurement needs.

Online assistance:

www.agilent.com/find/assist

Phone or Fax

United States: (tel) 800 452 4844
(tel) 1 800 452 4844

Japan:

(tel) (81) 426 56 7832
(fax) (81) 426 56 7840

Canada:

(tel) 1 877 894 4414
(fax) (905) 282 6495

Korea:

(tel) (82 2) 2004 5004
(fax) (82 2) 2004 5115

China:

(tel) 800 810 0189
(fax) 1 0800 650 0121

Taiwan:

(tel) 080 004 7866
(fax) (886 2) 2545 6723

Europe:

(tel) (31 20) 547 2323
(fax) (31 20) 547 2390

Other Asia Pacific Countries:

(tel) (65) 375 8100
(fax) (65) 836 0252
Email: tm_asia@agilent.com

Latin America:

(tel) (305) 269 7500
(fax) (305) 269 7599

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

© Agilent Technologies, Inc. 2002
Printed in USA, February 20, 2002
5988-3976EN



Agilent Technologies