Agilent N5882A
W-CDMA Enhanced Wireless Test Manager

Product Overview

Quickly and easily perform R&D verification and pre-conformance testing of wireless devices using powerful, easy-to-use test automation software

Tests Supported

W-CDMA/HSPA call processing
- Base station (BS) originated call
- BS release
- Mobile registration
- Mobile originate (AMR mode)
- Change channel
- Security settings
- Short Message Service (SMS)

W-CDMA/HSPA transmitter tests
- Adjacent channel leakage power ratio (ACLR)
- Inner loop power control
- Maximum output power
- Minimum output power
- Occupied bandwidth (OBW)
- Open loop power control
- Phase discontinuity
- Spectrum emission mask (SEM)
- Transmit on/off power
- Waveform quality
- Error vector magnitude (EVM)
- Frequency error
- Magnitude error
- Origin offset
- Phase error
- Change of TFC
- PRACH preamble quality
- Code domain test
- Transport channel reconfiguration handoff
- HSDPCCH test

W-CDMA/HSPA receiver tests
- BLER
- Maximum input level (BER)
- Reference sensitivity level (BER)
- Sensitivity search
- Demodulation of DCH in static conditions

General tests
- Pseudo random handoff loops
- Data analyzer
- Wireless Protocol Advisor (WPA) data logging
- Current drain
- Loop on RMC rates ability
- Agilent 14565B Device Characterization Software control
- GPIB command Send/Receive
- DUT command Send/Receive

Agilent Technologies

Hardware Supported

Test instruments
- E5515C mainframe (or equivalent E5515B/T) with Option 003 (revision C.04.06)
- E6703E(revision E.01.13) or E6785E(revision E.01.14) Lab Application
- Agilent 66311B, 66319B, and 66321B power supplies
- Agilent 34970A with 34901A, 34903A, and 34907A data acquisition/switch unit

Fixtures
- Tescom TC-5941, TC-5942, and TC-5952B

Adapters
- Agilent 82357A USB/GPIB interface
- National Instruments GPIB-USB-A external controller

PC Cards
- Agilent GPIB
- National Instruments GPIB
- Advantech PCI 1750 digital I/O
- Comtrol RocketPort 95870-3 and 99096-3 multi-port serial card

Peripherals
- Symbol LS-1220-1200A fixed bar code reader
- Symbol LS-3603MX-1200A, P300FZY, and LS40041-I100 handheld bar code reader
- HP printers
- Epson TM-U200D and TM-U220D strip printer

PC requirements
- Operating system: Microsoft® Windows® XP Professional Service Pack 1, or Windows 2000 Professional Service Pack 4
- Microsoft Visual Studio® .NET
- Microsoft Internet Explorer Version 5.0 or later
- 600 MHz Pentium® III or higher (1 GHz Pentium III or higher for extended capability)
- 256 MB RAM minimum (512 MB is recommended for normal development and is required for extended capability operation)
- 200 MB free hard drive space
- CD-ROM
- GPIB card or converter with VISA drivers (one per test system)
- USB port for security key connection
- Serial ports for fixtures, device control, and bar code reader

Order Information
- N5882A W-CDMA Enhanced Wireless Test Manager
- Option 100 development and run-time license with software
- Option 200 upgrade for N5882A

For More Information
N5882A Enhanced Wireless Test Manager specifications and product literature is available at:
www.agilent.com/find/N5882A

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

Remove all doubt

Our repair and calibration services will get your equipment back to you, performing like new, when promised. You will get full value out of your Agilent equipment throughout its lifetime. Your equipment will be serviced by Agilent trained technicians using the latest factory calibration procedures, automated diagnostics and genuine parts. You will always have the utmost confidence in your measurements.

Agilent offers a wide range of additional expert test and measurement services for your equipment, including initial start-up assistance, onsite education and training, as well as design, system integration, and project management.

For more information on repair and calibration services, go to:

www.agilent.com/find/removealldoubt

Agilent Email Updates

www.agilent.com/find/emailupdates
Get the latest information on the products and applications you select.

Agilent Technologies