



Agilent N5884A 1xEV-DO Enhanced Wireless Test Manager

Technical Overview

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



Tests Supported

(Applies to Release 0 and Release A)

Call processing

- Open/end session
- Open data connection
- IMT-2000, Korean PCS, US PCS, AWS, and US cellular bands
- Handoff (interband and channel)

Transmitter tests

- MAC access probe power
- Waveform quality
- Code domain accuracy
- Transmitter spurious emissions
- Data, RRI, DRC, and ACK channel output power
- Maximum output power
- Access probe open loop power
- Minimum controlled output power
- Closed loop power control
- Time response for open loop power control

Receiver tests

- Traffic channel PER in fading
- Traffic channel PER with AWGN
- Receiver sensitivity and dynamic range

General tests

- Pseudo random handoff loops
- Data analyzer
- Wireless protocol advisor (WPA) data logging
- Current drain
- Send/Receive GPIB command
- Send/Receive DUT command
- Agilent 14565B Device Characterization Software control



Hardware Supported

Test instruments

- Agilent 8960 Series 10 wireless communications test set
 - E5515C mainframe (or equivalent E5515B/T) with Options 003 and 004
 - E6706A 1xEV-DO Lab Application (revision A.04.03 or later)
- Agilent Baseband Studio for fading
 - N5101A Baseband Studio PCI card
 - N5115A Baseband Studio software program with Options 160, 168, and 172
- Agilent 66311B, 66319B, and 66321B power supplies
- Agilent 34970A with 34901A, 34903A, and 34907A data acquisition/switch unit

Fixtures

- Tescom TC-5941, TC5942, 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 2, 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

- N5884A 1xEV-DO Enhanced Wireless Test Manager
- Option 100 Development and Run-Time license with software
- Option 200 Development and Run-Time software upgrade

For more information

N5884A Enhanced Wireless Test Manager specifications and product literature are available at www.agilent.com/find/N5884A

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



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Revised: May 7, 2007

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Printed in USA, June 10, 2007
5989-3489EN



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