



Agilent 8560 E-Series Spectrum Analyzers and Accessories

Configuration Guide



- 8560E RF Spectrum Analyzer** (30 Hz to 2.9 GHz)
- 8561E RF Spectrum Analyzer** (30 Hz to 6.5 GHz)
- 8562E RF Spectrum Analyzer** (30 Hz to 13.2 GHz)
- 8563E Microwave Spectrum Analyzer** (9 kHz to 26.5 GHz)
- 8564E Millimeter-wave Spectrum Analyzer** (9 kHz to 40 GHz)
- 8565E Millimeter-wave Spectrum Analyzer** (9 kHz to 50 GHz)
- 8560EL RF Spectrum Analyzer** (30 Hz to 2.9 GHz)
- 8562EL RF Spectrum Analyzer** (30 Hz to 13.2 GHz)



Agilent 8560 E-Series Accessories

For Scalar Measurements

- 85640A** Tracking generator (300 kHz to 2.9 GHz)
- 8721A** Directional bridge
- 11852B** Option C04 50 to 75 ohm minimum loss pad
- 86205A** 50 ohm bridge (300 kHz to 6 GHz)

For Extended Frequency Measurements

- 11974A** Preselected mm mixer (26.5 GHz to 40 GHz)^{3,6}
- 11974Q** Preselected mm mixer (33 GHz to 50 GHz)^{3,6}
- 11974U** Preselected mm mixer (40 GHz to 60 GHz)^{3,6}
- 11974V** Preselected mm mixer (50 GHz to 75 GHz)^{3,6}
- 11970K** mm harmonic mixer (18 GHz to 26.5 GHz)^{3,5}
- 11970A** mm harmonic mixer (26.5 GHz to 40 GHz)^{3,5}
- 11970Q** mm harmonic mixer (33 GHz to 50 GHz)^{3,5}
- 11970U** mm harmonic mixer (40 GHz to 60 GHz)^{3,5}
- 11970V** mm harmonic mixer (50 GHz to 75 GHz)^{3,5}
- 11970W** mm harmonic mixer (75 GHz to 110 GHz)^{3,5}

Amplifiers and Preamplifiers

- 8447A** Preamplifier (100 kHz to 400 MHz, 20 dB gain)
- 8447D** Preamplifier (100 kHz to 1.3 GHz, 25 dB gain)
- 8449B** Preamplifier (1 GHz to 26.5 GHz, 30 dB gain)
- 10855A** Broadband preamplifier (2 MHz to 1300 MHz, 22 dB gain)
- 83006A** 10 MHz to 26.5 GHz preamplifier (20 dB gain)
- 83051A** 45 MHz to 50 GHz preamplifier (23 dB gain)

Printers

Most Hewlett-Packard DeskJet and LaserJet (PCL 3 compatible) printers are compatible with 8590 series spectrum analyzers. Printer compatibility chart is on the internet website at www.agilent.com/find/pcg/

- ITEL-45 CHVUB** GPIB/Parallel converter (North America, Japan, Korea and Taiwan)
- ITEL-45 CHVEB** GPIB/Parallel converter (Continental Europe, U.K., Australia and South Africa) (requires F1011A AC adapter)
- 10833A** GPIB cable (1 meter)
- C2950A** Parallel printer cable (2 meters)

Other Accessories

- 85620A** Mass Memory Module (standard on 8560 E-series)
- 85629B** Test and Adjustment Module (limited use on 8562E/64E/65E)
- 85700A** 32-Kbyte RAM memory card²
- 85702A** 128-Kbyte RAM memory card²
- 85901A** Portable AC power source (for use with 8560E/61E/62E/63E)
- 85902A** Burst Carrier Trigger
- 41800A** Active probe (5 Hz to 500 MHz)
- 85024A** High frequency probe (300 kHz to 3 GHz)
- 11945A** Close-field probes (with Option E51)
- 11742A** High frequency blocking capacitor (3.5 mm (f to m)), 45 MHz to 26.5 GHz, .35 dB IL <12.4 GHz, .7 dB IL <26.5 GHz)
- 5062-4841** Rack mount without handles (centers instrument in rack)⁴
- 5062-4840** Rack mount with handles (centers instrument in rack)⁴
- 5062-8241** Rack mount without handles (mounts instrument left of center)⁴
- 5062-8240** Rack mount with handles (mounts instrument left of center)⁴
- 1494-0060** Rack slide for rack mount
- 1420-0383** Memory card battery (CR 2016)
- 9211-5604** Transit case
- 08562-60021** Service accessory kit
- 1540-1130** Protective soft carrying case/backpack (same as option 042)
- 8120-6164** 50 GHz cable: 1 meter, 2.4 mm (f) and 2.4 mm (m) connectors
- 11693A** Limiter: Type-N (f) to Type-N (m), 0.1 GHz to 12.4 GHz, <2 dB insertion loss

Agilent 8560 E-Series Manuals

- 08560-90112** 8560 E-Series quick reference guide
- 5961-0435** 8560 E-Series quick reference guide in French^s
- 5961-0436** 8560 E-Series quick reference guide in German^s
- 5961-0437** 8560 E-Series quick reference guide in Italian^s
- 5961-0438** 8560 E-Series quick reference guide in Spanish^s
- 5961-6800** 8560 E-Series quick reference guide in Chinese^s
- 08560-90110** 8560 E-Series user's guide
- 5961-6793** 8560 E-Series user's guide in French^s
- 5961-6794** 8560 E-Series user's guide in German^s
- 5961-6795** 8560 E-Series user's guide in Italian^s
- 5961-6796** 8560 E-Series user's guide in Spanish^s
- 08560-90117** 8560 E-Series user's guide in Japanese^s
- 5960-6550** 8560 E-Series component level information manual^s
- 08560-90132** 8560 E-Series calibration guide
- 08560-90111** 8560E service guide
- 08563-90131** 8561/63E service guide
- 08562-90209** 8562E service guide
- 08564-90014** 8564/65E service guide
- 85620-90041** 85620A installation, operation, programming and service manual

Agilent 8560 E-Series Product Literature

- 5091-3274E** 8560E/61E/63E data sheet
- 5091-3275E** 8560E/61E/63E flyer
- 5091-8182E** 8564E/65E data sheet

For user's training contact your local Agilent representative.

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 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.

Get assistance with all your test and measurement needs at:
www.agilent.com/find/assist

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

Copyright © 1997, 2000 Agilent Technologies
Printed in U.S.A. 9/00
5963-6831E

Notes

1. Options 002 and 005 are mutually exclusive.
2. 85620A required, 85620A includes one 32-Kbyte RAM card
3. Not compatible with Option 002 on the 8560E, not available for the 8560EL and 8562EL
4. Rack height is 8.75 inches.
5. Option 008 on 8560 series recommended
6. Option 005 on 8560 series recommended
7. Not all agency masks can be used with 8560E and 8561E.
8. Not available for the 8562E



99 Washington Street
Melrose, MA 02176
Fax 781.665.0780



Agilent Technologies
Innovating the HP Way

TestEquipmentDepot.com