



# 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)



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## 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)<sup>3,6</sup>
- 11974Q** Preselected mm mixer (33 GHz to 50 GHz)<sup>3,6</sup>
- 11974U** Preselected mm mixer (40 GHz to 60 GHz)<sup>3,6</sup>
- 11974V** Preselected mm mixer (50 GHz to 75 GHz)<sup>3,6</sup>
- 11970K** mm harmonic mixer (18 GHz to 26.5 GHz)<sup>3,5</sup>
- 11970A** mm harmonic mixer (26.5 GHz to 40 GHz)<sup>3,5</sup>
- 11970Q** mm harmonic mixer (33 GHz to 50 GHz)<sup>3,5</sup>
- 11970U** mm harmonic mixer (40 GHz to 60 GHz)<sup>3,5</sup>
- 11970V** mm harmonic mixer (50 GHz to 75 GHz)<sup>3,5</sup>
- 11970W** mm harmonic mixer (75 GHz to 110 GHz)<sup>3,5</sup>

### 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/](http://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 card<sup>2</sup>
- 85702A** 128-Kbyte RAM memory card<sup>2</sup>
- 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)<sup>4</sup>
- 5062-4840** Rack mount with handles (centers instrument in rack)<sup>4</sup>
- 5062-8241** Rack mount without handles (mounts instrument left of center)<sup>4</sup>
- 5062-8240** Rack mount with handles (mounts instrument left of center)<sup>4</sup>
- 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<sup>s</sup>
- 5961-0436** 8560 E-Series quick reference guide in German<sup>s</sup>
- 5961-0437** 8560 E-Series quick reference guide in Italian<sup>s</sup>
- 5961-0438** 8560 E-Series quick reference guide in Spanish<sup>s</sup>
- 5961-6800** 8560 E-Series quick reference guide in Chinese<sup>s</sup>
- 08560-90110** 8560 E-Series user's guide
- 5961-6793** 8560 E-Series user's guide in French<sup>s</sup>
- 5961-6794** 8560 E-Series user's guide in German<sup>s</sup>
- 5961-6795** 8560 E-Series user's guide in Italian<sup>s</sup>
- 5961-6796** 8560 E-Series user's guide in Spanish<sup>s</sup>
- 08560-90117** 8560 E-Series user's guide in Japanese<sup>s</sup>
- 5960-6550** 8560 E-Series component level information manual<sup>s</sup>
- 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.

### 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

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