Agilent 8753ET/8753ES Network Analyzers

8753ET, 300 kHz to 3 or 6 GHz
8753ES, 30 kHz to 3 or 6 GHz

Configuration Guide

System configuration summary

The following summary lists the main components required to form a basic measurement system. In this configuration guide, the network analyzer options for each model are listed first. General product options that are available for both the Agilent Technologies 8753ET and 8753ES are listed next. Measurement accessories and peripherals for both the 8753ET and 8753ES are also provided in this configuration guide.

Transmission/reflection measurements

- **Agilent 8753ET** network analyzer
- **Test-port return cable(s),** 50 ohms
- **Calibration kit** for applicable connector type

Full S-parameter measurements

- **Agilent 8753ES** network analyzer
- **Test-port return cables,** 50 or 75 ohms
- **Calibration kit** for applicable connector type

System with user-selected test set

- **Agilent 8753ES** network analyzer
  - **Option 011** delete built-in test set
- **S-parameter test set**
- **Test port return cables** for selected test set
- **Calibration kit** for applicable connector type

Agilent 8753ET network analyzer

A standard 8753ET covers 300 kHz to 3 GHz, includes a built-in transmission/reflection test set, and has two 50 ohm type-N female test ports. Included with each instrument is a manual set which includes an installation and quick start guide, user's guide, reference guide, programmer's guide, example programs CD-ROM, and a CD-ROM containing the manual set. Instruments include a 3-year return-to-Agilent service warranty.

Network analyzer options

- **Option 002**
  harmonic measurement capability
  Provides measurements of swept second and third harmonic responses. Option 006 extends harmonic measurement capability to 6 GHz.

- **Option 004**
  step attenuator
  Extends source output power range from –85 to +10 dBm.

- **Option 006**
  6 GHz frequency extension
  Provides source and receiver operation to 6 GHz.

- **Option 010**
  time-domain capability
  For viewing reflection and transmission responses in time or distance domain.

- **Option 1D5**
  high-stability frequency reference
  Provides improved frequency accuracy over time and with temperature variation.

Agilent 8753ES network analyzer

A standard 8753ES covers 30 kHz to 3 GHz, includes a built-in S-parameter test set, and has two 7-mm test ports. Included with each instrument is a manual set which includes an installation and quick start guide, user's guide, reference guide, programmer's guide, example programs CD-ROM, and a CD-ROM containing the manual set. Instruments include a 3-year return-to-Agilent service warranty.

Network analyzer options

- **Option 002**
  harmonic measurement capability
  For measuring swept second and third harmonic responses. Option 006 extends harmonic measurement capability to 6 GHz.

- **Option 006**
  6 GHz frequency extension
  Provides source and receiver operation to 6 GHz. Do not order Option 006 with Option 075.

- **Option 010**
  time-domain capability
  For viewing reflection and transmission responses in time or distance domain.

- **Option 011**
  deletes built-in test set
  Removes test set components and allows direct access to the source output power and the R, A, and B receiver inputs via type-N female connectors. Source start frequency is limited to 300 kHz for units that do not have Option 006. Do not order Option 011 with Option 014 or 075.

- **Option 014**
  configurable test set
  Adds SMA connectors on front panel for access to various source output and receiver input signal paths, including direct access to receivers. When jumpers are in place, the analyzer performs like a standard 8753ES except that maximum source output power is reduced by 2 dB. Do not order Option 014 with Option 011 or 075. This option is not available as an upgrade kit, it must be purchased at time of initial instrument order.

- **Option 075**
  75-ohm impedance
  Replaces the standard 50 ohm test set with a 75 ohm test set. Test ports are 75-ohm type-N female connectors. Do not order Option 075 with Option 006, 011, or 014.

- **Option 1D5**
  High-stability frequency reference
  Provides improved frequency accuracy over time and with temperature variation.

The following special options are available to customize the 8753ES for particular applications. Please contact Agilent for a quote on these options, to obtain information on expected instrument performance, or to request other special configurations.

- **Option H16**
  low noise floor
  Adds switches that allow the port 2 coupler to be reversed, so that the forward transmitted signal travels along the through path in the coupler instead of the coupled path, increasing the forward dynamic range by about 12 dB while decreasing the dynamic range in the reverse direction by about 15 dB.

- **Option H39**
  three-port test set
  Test set has an added coupler and switching to provide three 50-ohm type-N female test ports for measuring all nine S-parameters of a three-port device.

- **Option H68**
  6.8 GHz operation
  Extends operation to 6.8 GHz. Performance above 6 GHz is not specified (typical only).

- **Option H85**
  high-power test set
  Provides jumpers to allow the user to add an external power amplifier to provide up to 20 watts (+43 dBm) of power at the test ports, and high-power attenuators or isolators for higher input power handling. The standard solid-state transfer switch is replaced by a mechanical transfer switch to handle higher output power, and step attenuators are added between the couplers and samplers to prevent receiver overload. Test ports are 3.5 mm, and the start frequency of this test set is 50 MHz.

General product options

The following options are available for both the Agilent 8753ET and 8753ES.

Rack mount options

- **Option 1CM**
  rack mount kit without handles

- **Option 1CP**
  rack mount kit with handles

Documentation options

- **Option 0B0**
  deletes manual set

- **Option 0B1**
  adds extra manual set

- **Option 0BW**
  adds assembly-level service manual
  This option provides a service manual for all analyzers except an 8753ES with Option 011.

- **Option 911**
  adds assembly-level service manual
  For 8753ES Option 011.

The following language options provide a translated user's guide.

	Part number
Option AB0 Traditional Chinese (Taiwan) manual	5967-8513
Option AB1 Korean manual	5967-8514
Option AB2 Simplified Chinese (PRC) manual	5967-8512
Option ABD German manual	5967-8516
Option ABF French manual	5967-8517
Option ABJ Japanese manual	5967-8511

Certification options

- **Option UK6**
  Commercial calibration certificate with test data

Service and support options

- **W01** converts three year return-to-Agilent service warranty to a one year on-site service warranty where available.

- **W32** adds three years of return-to-Agilent calibration.

- **W34** adds three years of return-to-Agilent standards-compliant calibration.

- **W52** adds five years of return-to-Agilent calibration.

- **W54** adds five years of return-to-Agilent standards-compliant calibration.

Measurement accessories

Accessories are available in these connector types: 3.5 mm, 7 mm, 50-ohm type-N, 7-16, 75-ohm type-N, and type-F. A standard 8753ES or one equipped with Option 075 includes a built-in S-parameter test set. A calibration kit and test-port cables should be added for a complete measurement system. For an 8753ES Option 011 network analyzer, you also need to add a test set or power splitter and bridge.

Test-port cables are used to connect to the device under test. Calibration kits include standards, such as open/short circuits and loads, which are measured by the network analyzer for increased measurement accuracy. Electronic calibration (ECal) modules are used with the ECal interface kit to provide automated calibration (in place of a calibration kit). A verification kit is used in conjunction with a calibration kit to verify system performance.

50-ohm device measurements

Test-port cables

- **11857D**
  50-ohm 7-mm test-port return cables
  A pair of phase-matched 610-mm (24 in) cables, for use with the standard 8753ES network analyzer or the 85046A and 85047A test sets.
  - **Option B24**
    Deletes phase-match requirement.

- **11851B**
  50-ohm type-N RF cable set
  For systems based on an 8753ES Option 011. Includes three phase-matched 610-mm (24 in) cables and one 860-mm (34 in) cable. Used with Agilent 11850C and 11667A power splitters.
  - **Option B24**
    Deletes phase-match requirement.

- **Agilent part number 8120-5639**
  50-ohm type-N male to type-N male test-port cable
  For use with the 8753ET.

Calibration kits

Choose a kit for each connector type to be used.

- **85031B**
  7-mm calibration kit
  Contains fixed loads, and open/short circuit.

- **85032B**
  50-ohm type-N calibration kit
  Contains fixed loads, open and short circuits, and 7-mm to type-N adapters for both connector sexes for use with 7-mm test-port cables.
  - **Option 001**
    deletes 7-mm to type-N adapters
    These adapters are not needed when this kit is used exclusively with an 8753ET system.

- **85033D**
  3.5-mm calibration kit
  Contains fixed loads, one-piece open and short circuits, and 7-mm to 3.5-mm adapters for both connector sexes for use with 7-mm test-port cables.
  - **Option 001**
    deletes 7-mm to 3.5-mm adapters
    These adapters are not needed when this kit is used exclusively with an 8753ET system.
  - **Option 002**
    replaces 7-mm to 3.5-mm adapters with type-N to 3.5-mm adapters
    This option is recommended when the calibration kit is used with the 8753ET.

- **85038A**
  7-16 calibration kit
  Contains fixed loads, opens, and short circuits in both connector sexes. Adapters not included (see the “Adapters” section later in this guide for information about the Agilent 11906 series of 7-16 adapter kits).

- **85038F**
  7-16 calibration kit (female standards)
  Contains fixed load, open, and short circuit with 7-16 female connectors and a 7-16 (f) to 7-16 (f) adapter. Other adapters not included; see the "Adapters" section on the next page for information about the 11906 series of 7-16 adapter kits.

- **85038M**
  7-16 calibration kit (male standards)
  Contains fixed load, open, and short circuit with 7-16 male connectors and a 7-16 (m) to 7-16 (m) adapter. Other adapters not included; see the "Adapters" section on the next page for information about the 11906 series of 7-16 adapter kits.

RF electronic calibration modules
This product family provides electronic calibration (ECal) capability. With ECal, the usual calibration kit standards are replaced by one solid-state calibration module that can be programmed by the analyzer's internal firmware to present many different impedances to the test ports. A full two-port calibration can be done with a single connection in a few minutes, with reduced errors and wear on connectors.

- **85097B**
  VNA interface kit and software
  Contains interface module for connecting an ECal module to an 8753E, 8753ET and 8753ES analyzer.

- **85091C**
  7-mm RF ECal module

- **85092C**
  50-ohm type-N RF ECal module
  - **Option M0F**
    Module with type-N(m) and type-N(f) connectors.
  - **Option 00F**
    Module with two type-N female connectors.
  - **Option 00M**
    Module with two type-N male connectors.
  - **Option 00A**
    Adds type-N(m) to type-N(m) adapter and type-N(f) to type-N(f) adapter.

- **85093C**
  3.5-mm RF ECal module
  - **Option M0F**
    Module with 3.5-mm(m) and 3.5-mm(f) connectors.
  - **Option 00F**
    Module with two 3.5-mm female connectors.
  - **Option 00M**
    Module with two 3.5-mm male connectors.
  - **Option 00A**
    Adds 3.5-mm(f) to 3.5-mm(f) adapter and 3.5-mm(m) to 3.5-mm(m) adapter.

- **85098C**
  7-16 RF ECal module
  - **Option M0F**
    Module with 7-16(m) and 7-16(f) connectors.
  - **Option 00F**
    Module with two 7-16 female connectors.
  - **Option 00M**
    Module with two 7-16 male connectors.
  - **Option 00A**
    Adds 7-16(m) to 7-16(m) adapter and 7-16(f) to 7-16(f) adapter.

Verification kit

- **85029B**
  7-mm verification kit
  Includes attenuators and mismatch attenuator with data on a 3.5-inch disk for use in confirming system measurement performance after a calibration has been performed, traceable to national standards. Test procedure is provided in the service manual. For use with a standard 8753ES, or with systems including an 8753ES Option 011 and an 85046A, or 85047A test set. This verification kit may also be used with an 8753ET with the addition of two type-N(m) to 7-mm adapters. The 85031B 7-mm calibration kit and 11857D test-port cables are also required.

Test sets (for use with 8753ES Option 011)

- **85046A**
  50-ohm S-parameter test set
  300 kHz to 3 GHz. Requires the 11857D 7-mm test-port return cables for two-port device measurements. Includes a test set interconnect cable and four RF cables to connect to the 8753ES Option 011.
  - **Option 913**
    Rack-mount kit, part number 5062-4069.

- **85047A**
  50-ohm S-parameter test set
  300 kHz to 6 GHz. Requires the 11857D 7-mm test-port return cables for two-port device measurements. Includes a test set interconnect cable and four RF cables to connect to the 8753ES Option 011.
  - **Option 913**
    Rack-mount kit, Agilent part number 5062-4069.

- **11850C**
  50-ohm type-N three-way power splitter
  300 kHz to 3 GHz. Requires the Agilent 11851B RF cable kit.

- **11667A**
  50-ohm type-N two-way power splitter
  DC to 18 GHz. Requires the Agilent 11851B RF cable kit.

- **86205A**
  50-ohm RF bridge 300 kHz to 6 GHz

- **86207A**
  75-ohm RF bridge 300 kHz to 3 GHz

Adapters

- **11525A**
  7-mm to 50-ohm type-N (male) adapter

- **11853A**
  50-ohm type-N accessory kit
  Contains type-N(m) to type-N(m) adapters, type-N(f) to type-N(f) adapters, and type-N male and female shorts.

- **11854A**
  50-ohm BNC accessory kit
  Contains type-N to BNC adapters for both connector sexes and a BNC male short.

- **11906A**
  7-16 to 7-16 adapter kit
  Contains one 7-16(m) to 7-16(m) adapter, one 7-16(f) to 7-16(f) adapter, and two 7-16(m) to 7-16(f) adapters.

- **11906B**
  7-16 to 50-ohm type-N adapter kit
  Contains adapters for type-N(m) to 7-16(m), type-N(m) to 7-16(f), type-N(f) to 7-16(m), and type-N(f) to 7-16(f).

- **11906C**
  7-16 to 7-mm adapter kit
  Contains two 7-mm to 7-16(m) adapters and two 7-mm to 7-16(f) adapters.

- **11906D**
  7-16 to 3.5-mm adapter kit
  Contains adapters for 3.5-mm(m) to 7-16(m), 3.5-mm(m) to 7-16(f), 3.5-mm(f) to 7-16(m), and 3.5-mm(f) to 7-16(f) adapters.

75-ohm device measurements

Test-port cables

- **11857B**
  75-ohm type-N test-port cables
  A pair of phase-matched 610 mm (24 in) cables, for use with the 8753ES Option 075 or the 85046B S-parameter test set.
  - **Option B24**
    Deletes phase-match requirement.

- **11851B**
  50-ohm type-N RF cable kit
  For systems based on an 8753ES Option 011. Includes three phase-matched 610-mm (24 in) cables and one 860-mm (34 in) cable. Used with the 11850D power splitter.
  - **Option B24**
    Deletes phase-match requirement.

- **11857F**
  75-ohm type-F cables
  Includes one 75-ohm type-N(m) to type-F(m) cable, Agilent part number 8120-8396, and one type-N(m) to type-F(f), part number 8120-8397.

Calibration kits

- **85036B**
  75-ohm type-N calibration kit
  Contains 75-ohm fixed loads, open/short circuits, and 50-ohm type-N to 75-ohm type-N adapters in both sexes.

- **85039B**
  75-ohm type-F calibration kit
  Includes 75-ohm male/female open, short, and load standards and precision adapters N(f) to F(m), N(m) to F(f), F(m) to F(m) and F(f) to F(f).
  - **Option 00M**
    male standards kit
    Includes male open, short, and load standards and precision F(m) to F(m) adapter.
  - **Option 00F**
    female standards kit
    Includes female open, short, and load standards and precision F(f) to F(f) adapter.

RF electronic calibration modules

This product family provides electronic calibration (ECal) capability. With ECal, the usual calibration kit standards are replaced by one solid-state calibration module that can be programmed by the analyzer's internal firmware to present many different impedances to the test ports. A full two-port calibration can be done with a single connection in a few minutes, with reduced errors and wear on connectors.

- **85097B**
  VNA interface kit and software
  Contains interface module for connecting an ECal module to an 8753E, 8753ET and 8753ES analyzer.

- **85096C**
  75-ohm type-N RF ECal module
  - **Option M0F**
    Module with 75-ohm type-N(m) and type-N(f) connectors.
  - **Option 00F**
    Module with two type-N female connectors.
  - **Option 00M**
    Module with two type-N male connectors.
  - **Option 00A**
    Adds type-N(m) to type-N(m) adapter and type-N(f) to type-N(f) adapter.

- **85099C**
  75-ohm type-F RF ECal module
  - **Option M0F**
    Module with type-F(m) and type-F(f) connectors.
  - **Option 00F**
    Module with two type-F female connectors.
  - **Option 00M**
    Module with two type-F male connectors.
  - **Option 00A**
    Adds type-F(m) to type-F(m) adapter and type-F(f) to type-F(f) adapter.

Test sets (for use with 8753ES Option 011)

- **85046B**
  75-ohm S-parameter test set
  300 kHz to 2 GHz. Requires the 11857B 75-ohm test-port return cables. Includes a test set interconnect cable and four RF cables to connect to the 8753ES Option 011.
  - **Option 913**
    Rack-mount kit, Agilent part number 5062-4069.

- **11850D**
  75-ohm type-N three-way power splitter
  300 kHz to 2 GHz. Includes three 11852B 50- to 75-ohm minimum loss pads for use with the 8753ES Option 011 (50 ohms). Requires the 11851B RF cable kit.

Minimum loss pads and adapters

- **11852B**
  50- to 75-ohm minimum loss pad (300 kHz to 3 GHz)
  Adapts from 50-ohm type-N female to 75-ohm type-N male. Nominal insertion loss is 5.7 dB.
  - **Option 004**
    Provides 50-ohm type-N male and 75-ohm type-N female connectors.

- **11855A**
  75-ohm type-N accessory kit
  Contains 75-ohm type-N male to type-N male adapters, type-N female to type-N female adapters, type-N male and female shorts, and type-N male termination.

- **11856A**
  75-ohm BNC accessory kit
  Contains 75-ohm type-N to 75-ohm BNC adapters for both connector sexes, a BNC male short and BNC male termination.

Test configuration accessories

RF limiter
Externally attaches to one or both test ports of the analyzer. Provides protection against potential high-power transients from external devices.

- **11930A**
  7-mm RF limiter, DC to 6 GHz,
  max power +28 dBm typical

- **11930B**
  50-ohm type-N RF limiter, 5 MHz to 6 GHz,
  max power +28 dBm typical

Probe
- **85024A**
  high-frequency probe
  Provides high-impedance in-circuit test capability, from 300 kHz to 3 GHz.

Amplifier
- **8347A RF**
  power amplifier
  Used to set leveled output power or increase system dynamic range, from 100 kHz to 3 GHz.

Power meters
For more accurate control of leveled test-port power. Requires an 8480 series power sensor and a GPIB cable for connection to the 8753ET or 8753ES.

- **E4418B**
  single-channel power meter

- **E4419B**
  dual-channel power meter

Peripherals

The following peripherals may be used with the Agilent 8753ET and 8753ES. Other peripherals not listed here may also be compatible with these instruments.

Keyboard

The keyboard with cable and adapter can be connected to the Agilent 8753ET or 8753ES's DIN interface to form a remote front panel and to provide a quicker, more convenient way to enter titles, labels, and file names.

- Keyboard with mini-DIN cable

Monitors

- Any VGA-compatible monitor

Printers

Measurement results can be printed from printers with GPIB, parallel, or serial interfaces. For a list of compatible printers, consult our printer compatibility guide Web page at **www.agilent.com/find/pcg**

Interface Cables

Choose the appropriate cables to connect each peripheral to the network analyzer.

- **10833A**
  GPIB cable, 1.0 m (3.3 ft)

- **10833B**
  GPIB cable, 2.0 m (6.6 ft)

- **10833D**
  GPIB cable, 0.5 m (1.6 ft)

Network analyzer upgrade kits

Upgrade kits for the Agilent 8753ET or 8753ES
Upgrade kits are available to add options to an analyzer after initial purchase. To order an upgrade kit for an 8753ET or 8753ES, order the analyzer's model number followed by a "U" to indicate an upgrade kit, with one of the following options.

- **Option 002**
  harmonic measurement upgrade kit
  The serial number of the 8753ET or 8753ES to be retrofitted must be specified when ordering this kit. Includes installation at an Agilent service center.

- **Option 004**
  step attenuator upgrade kit
  Adds step attenuator to an 8753ET. Includes installation at an Agilent service center.

- **Option 006**
  6 GHz upgrade kit
  Adds Option 006 to an 8753ET or an 8753ES that does not have Option 011. Includes installation at an Agilent service center. The serial number of the 8753ES to be retrofitted must be specified when ordering this kit. Do not use with an 8753ES that has Option 011 or Option 075.

- **Option 611**
  6 GHz upgrade kit for 8753ES Option 011
  Adds Option 006 to an 8753ES with Option 011. Includes installation at an Agilent service center. The serial number of the 8753ES to be retrofitted must be specified when ordering this kit. Do not use with an 8753ES that has Option 075.

- **Option 010**
  time-domain upgrade kit
  The serial number of the 8753ET or 8753ES to be retrofitted must be specified when ordering this kit. Installation is not included.

- **Option 1D5**
  high-stability frequency reference retrofit kit
  Includes installation at an Agilent service center.

- **Option 099 firmware upgrade**
  Provides the latest revision of firmware for the 8753ET or 8753ES. Firmware can be installed by the user. The latest firmware is also available for download from Agilent Technologies' Web site. Go to **www.agilent.com/find/8753**

Upgrade kits for the Agilent 8753E

- **8753EU Option 002**
  harmonic measurement upgrade kit
  Includes installation at a local Agilent service center. The serial number of the 8753E to be retrofitted must be specified when ordering this kit.

- **8753EU Option 006**
  6 GHz upgrade kit for 8753E
  Adds Option 006 to an 8753E that does not have Option 011. Includes installation at a local Agilent service center. The serial number of the 8753E to be retrofitted must be specified when ordering this kit. Do not use with an 8753E that has Option 011 or Option 075.

- **8753EU Option 611**
  6 GHz upgrade kit for 8753E Option 011
  Adds Option 006 to an 8753E with Option 011. Includes installation at a local Agilent service center. The serial number of the 8753E to be retrofitted must be specified when ordering this kit. Do not use with an 8753E that has Option 075.

- **8753EU Option 010**
  time-domain upgrade kit
  The serial number of the 8753E to be retrofitted must be specified when ordering this kit. Installation is not included.

- **8753EU Option 099**
  firmware upgrade kit
  This upgrade provides the latest firmware revision for the 8753E, which includes the new firmware features introduced in the 8753ES. This firmware is also available for download from Agilent's Web site. Go to **www.agilent.com/find/8753**

- **8753EU Option 1D5**
  high-stability frequency reference retrofit kit
  Installation is not included.

Upgrade kits for the Agilent 8753D

- **8753DU Option 000**
  performance upgrade kit
  Adds the new fast CPU board from the 8753E and firmware to provide faster speed for measurements, data transfers, and save/recall of instrument states. Includes installation at an Agilent service center. This upgrade does not include four parameter display or ECal firmware control capability.

- **11883A**
  harmonic measurement upgrade kit
  Includes installation at a local Agilent service center. The serial number of the 8753D to be retrofitted must be specified when ordering this kit.

- **11884B**
  6 GHz upgrade kit for 8753D
  Adds Option 006 to an 8753D that does not have Option 011. Includes installation at a local Agilent service center. The serial number of the 8753D to be retrofitted must be specified when ordering this kit. Do not use with an 8753D that has Option 011 or Option 075.

- **11884C**
  6 GHz upgrade kit for 8753D Option 011
  Adds Option 006 to an 8753D with Option 011. Includes installation at a local Agilent service center. The serial number of the 8753D to be retrofitted must be specified when ordering this kit. Do not use with an 8753D that has Option 075.

- **85019B time-domain upgrade kit**
  The serial number of the 8753D to be retrofitted must be specified when ordering this kit. Installation is not included.

- **Agilent part number 08753-60236**
  high-stability frequency reference retrofit kit
  Installation is not included.

Upgrades for Agilent 8753B/C systems

- **86389A**
  solid-state switch upgrade kit for the 85046A/B
  Includes installation at a local Agilent service center. Requires 8753B/C with Rev. 3.0 or higher firmware, or 8753E or 8753ES Option 011.

- **86389B**
  solid-state switch upgrade kit for the 85047A
  Includes installation at a local Agilent service center. Requires 8753B/C with Rev. 3.0 or higher firmware, or 8753E or 8753ES Option 011.

- **11883A**
  harmonic measurement capability
  Includes installation at a local Agilent service center. The serial number of the 8753B/C to be retrofitted must be specified when ordering this kit. Requires external disk drive for installation.

- **11884A**
  6 GHz frequency extension
  Includes installation at a local Agilent service center. The serial number of the 8753B/C to be retrofitted must be specified when ordering this kit.

- **85019B**
  time-domain capability (8753C/D only)
  The serial number of the 8753C to be retrofitted must be specified when ordering this kit. Installation is not included.

Further information

	Pub. number
8753ET and 8753ES overview	5968-5159E
8753ET and 8753ES data sheet	5968-5160E

For more information about the Agilent 8753ET/ES, visit our Web site at **www.agilent.com/find/8753**

Manuals

One manual set is included with each network analyzer. Service manuals may be ordered as an option. For on-line manuals, visit our Web site at **www.agilent.com/find/manuals**

	Part number
8753ET/ES manual set For use with 8753ET and 8753ES analyzers that do not have Option 011. Includes the following:	08753-90470
• **Installation and Quick Start Guide**	08753-90471
• **User's Guide**	08753-90472
• **Reference Guide**	08753-90473
• **Programmer's Guide**	08753-90475
• **CD-ROM,** includes all documents in the manual set	08753-90469
8753ES Option 011 manual set Includes the following:	08753-90477
• **Installation and Quick Start Guide**	08753-90478
• **User's Guide**	08753-90479
• **Reference Guide**	08753-90480
• **Programmer's Guide**	08753-90475
• **CD-ROM,** includes all documents in the manual set	08753-90469
8753ET/ES service guide For use with 8753ET and 8753ES analyzers that do not have Option 011. Includes the service guide information on a CD-ROM, Agilent part number 08753-90504.	08753-90484
8753ES Option 011 service guide Includes the service guide information on a CD-ROM, Agilent part number 08753-90504.	08753-90485

Related literature

Application and product notes
Most application and product notes may be downloaded from our Web site at **www.agilent.com/find/tmappnotes**

Pub. number

Application note 1287-1 5965-7707E
Understanding the Fundamental Principles of Vector Network Analysis

Application note 1287-2 5965-7708E
Exploring the Architectures of Network Analyzers

Application note 1287-3 5965-7709E
Applying Error Correction to Network Analyzer Measurements

Application note 1287-4 5965-7710E
Network Analyzer Measurements: Filter and Amplifier Examples

Application note 1287-5 5966-3317E
Improving Throughput in Network Analyzer Applications

Application note 1287-6 5966-3319E
Using a Network Analyzer to Characterize High-Power Components

Application note 1287-7 5966-3318E
Improving Network Analyzer Measurements of Frequency-Translating Devices

Application note 1287-8 5968-5328E
Simplified Filter Tuning Using Time-Domain Analysis

Application note 1287-9 5968-5329E
In-Fixture Measurements Using Vector Network Analyzers

Application note 1291-1 5965-8166E
10 Hints for Making Better Network Analyzer Measurements

Product note 8510-5A 5956-4352
Specifying Calibration Standards for the 8510 Network Analyzer

Product note 8510-8A 5091-3645E
Applying TRL Cal to Non-Coaxial Measurements

Product note 8720-2 5091-1943E
In-Fixture Microstrip Device Measurements Using TRL* Calibration

Product note 8753-1 5956-4361
Amplifier Measurements using the 8753 Network Analyzer

Product note 8753-2A 5952-2771
Mixer Measurements using the 8753 Network Analyzer

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