



Agilent ESA/EMC Spectrum Analyzer

Configuration Guide



This configuration guide will help you optimize an ESA/EMC analyzer for your application, and shows upgrade paths for adding options after the purchase of the instrument. Use Table 1 to determine availability and compatibility of options. For additional product and application information, please see the information list at the end of this guide.



Agilent Technologies

Models

- E4401B ESA-E Series Spectrum Analyzer (9 kHz to 1.5 GHz)
- E4402B ESA-E Series Spectrum Analyzer (30 Hz⁺ to 3 GHz)
- E4403B ESA-L Series Spectrum Analyzer (9 kHz to 3 GHz)
- E4404B ESA-E Series Spectrum Analyzer (30 Hz⁺ to 6.7 GHz)
- E4405B ESA-E Series Spectrum Analyzer (30 Hz⁺ to 13.2 GHz)
- E4407B ESA-E Series Spectrum Analyzer (30 Hz⁺ to 26.5 GHz)
- E4408B ESA-L Series Spectrum Analyzer (9 kHz to 26.5 GHz)
- E4411B ESA-L Series Spectrum Analyzer (9 kHz to 1.5 GHz)
- E7401A EMC Analyzer (9 kHz to 1.5 GHz)*
- E7402A EMC Analyzer (30 Hz⁺ to 3 GHz)*
- E7403A EMC Analyzer (30 Hz⁺ to 6.7 GHz)*
- E7404A EMC Analyzer (30 Hz⁺ to 13.2 GHz)*
- E7405A EMC Analyzer (30 Hz⁺ to 26.5 GHz)*

* Includes peak, quasi-peak, and average detection standard.

⁺ Characteristic

Ordering information

Options

To add options to an ESA, use the following ordering scheme:

Model: E44XXB
(XX = 01, 02, 03, 04, 05, 07, 08 or 11)

Model Options: E44XXB-Option (Option = 3 character option designation)

To add options to an EMC analyzer, use the following ordering scheme:

Model: E740XA (X = 1, 2, 3, 4 or 5)

Model options: E740XA-Option (Option = 3 character option designator)

Upgrading a model

Some options that you choose not to purchase with your instrument can be added later. To order upgrade options, add a “U” to the model number of the instrument to be upgraded, and specify the options you wish to add.

Upgrade notes

- **Additional options can be added as shown in table 1, an “R” indicates a retrofit is available.**
- **For any upgrades not listed, please contact your Agilent sales representative for a special quote.**
- **Upgrade options are customer installable unless otherwise indicated.**

Upgrading an Agilent E4411A

If you have an E4411A and want to upgrade to a B model, contact your Agilent sales representative for a trade-in quote.

Table 1.
Option availability and compatibility

	ESA-L series			ESA-E series					E7400A EMC series					Requires	Not compatible with the following option(s)
	E4411B 1.5 GHz	E4403B 3 GHz	E4408B 26.5 GHz	E4401B 1.5 GHz	E4402B 3 GHz	E4404B 6.7 GHz	E4405B 13.2 GHz	E4407B 26.5 GHz	E7401A 1.5 GHz	E7402A 3 GHz	E7403A 6.7 GHz	E7404A 13.2 GHz	E7405A 26.5 GHz		
Available card slots	n/a	n/a	n/a	6	6	5	5	5	4	4	3	3	3		
Performance															
Narrow resolution bandwidths for better resolving power (10 Hz) ⁶ <input type="checkbox"/> Option 1DR				R ¹	R ¹	R ¹	R ¹	R ¹	S	S	S	S	S		
Narrow resolution bandwidths for resolving power (1 Hz, 3 Hz) ⁶ <input type="checkbox"/> Option 1DR				R ¹	R ¹	R ¹	R ¹	R ¹	S	S	S	S	S	Option1D5	
Preamplifier built-in for enhanced sensitivity ⁶ <input type="checkbox"/> Option 1DS				R ²	R ²	R ²	R ²	R ²	S	S	S	S	S		
High stability frequency reference ⁶ <input type="checkbox"/> Option 1D5				R ²	R ⁴	R ⁴	R ⁴	R ⁴	R ²	R ⁴	R ⁴	R ⁴	R ⁴		
ACPR dynamic range extension <input type="checkbox"/> Option 120					R ¹	R ¹	R ¹	R ¹						One available card slot	
100 Hz (30 Hz useable) frequency range extension <input type="checkbox"/> Option UKB					R ²	R ²	R ²	R ⁴		R ²	R ²	R ²	R ⁴	1DR	
External mixing (to 325 GHz) <input type="checkbox"/> Option AYZ								R ⁴						External mixer and two SMA cables (5061-5458)	
Fast zero-span sweep plus functionality of Option A4J <input type="checkbox"/> Option AYX				R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	One available card slot	Option A4J
APC 3.5 mm input connector <input type="checkbox"/> Option BAB			R ³					R ³					R ⁴		
Memory extension to 10 MB <input type="checkbox"/> Option B72	R ^{1,12}	R ^{1,12}	R ^{1,12}	R ^{1,12}	R ^{1,12}	R ^{1,12}	R ^{1,12}	R ^{1,12}	S	S	S	S	S		
Performance bundle is Options 1DR, 1DS and 1D5 <input type="checkbox"/> Option B75				X	X	X	X	X							
Low emissions shielding <input type="checkbox"/> Option 060				R ²	R ²	R ²	R ²	R ²	S	S	S	S	S		Options B7B, 1DP
Flexible Demodulation															
ESA to 89601A vector signal analysis software link utility <input type="checkbox"/> Option 231⁺					R	R	R	R						B7D, B7E,A4H 1D5 and B72* (or B74 and A4H)	Option 229
Modulation analysis															
Modulation analysis measurement personality <input type="checkbox"/> Option 229⁺					R	R	R	R						Options B7D, B7E, 1D5 and B72* or B74	Option 231
RF and digital comms hardware bundle includes options B7D, B7E, 1D6, 1D5, 1DR, 1DS, B72* <input type="checkbox"/> Option B74¹¹					R ²	R ²	R ²	R ²						Two available card slots	
Digital processing and fast ADC <input type="checkbox"/> Option B7D¹¹					R ²	R ²	R ²	R ²						Options B7E, 1D5, and one available card slot	
RF communications hardware <input type="checkbox"/> Option B7E¹¹					R ²	R ²	R ²	R ²						Options B7D, 1D5 and one available card slot	
Bluetooth															
Bluetooth premium bundle including Options 228, 106, B7D, B7E, B72*, 1DS, 1D5 <input type="checkbox"/> Option 304					R ⁴	R ⁴	R ⁴	R ⁴						Three available card slots	Option BAA, B7B
Bluetooth measurement personality <input type="checkbox"/> Option 228					R	R	R	R						(Minimum) Options 106, B72*, AYX	
Bluetooth FSK demodulator <input type="checkbox"/> Option 106					R ¹	R ¹	R ¹	R ¹						(Minimum) Options 228, B72*, AYX and one available card slot	Option BAA, B7B
Digital signal processing and fast ADC <input type="checkbox"/> Option B7D¹¹					R ²	R ²	R ²	R ²						Options B7E, 1D5 and one available card slot	
RF communication hardware <input type="checkbox"/> Option B7E¹¹					R ²	R ²	R ²	R ²						Options B7D, 1D5 and one available card slot	

Blank - not available for model.

X - Available only at time of new instrument purchase.

S - Standard.

R - Available at time of purchase or as a retrofit. Customer installation except where noted.

* - Option B72 is standard if the serial prefix number is equal to or greater than US4144 or MY4144.

+ - Functionality of 231 is included in option 229. A4H must be ordered to take advantage of Link to 89601A VSA software.

Table 1.
Option availability and compatibility
(continued)

	ESA-L series			ESA-E series				E7400A EMC series					Requires	Not compatible with the following option(s)	
	E4411B 1.5 GHz	E4403B 3 GHz	E4408B 26.5 GHz	E4401B 1.5 GHz	E4402B 3 GHz	E4404B 6.7 GHz	E4405B 13.2 GHz	E4407B 26.5 GHz	E7401A 1.5 GHz	E7402A 3 GHz	E7403A 6.7 GHz	E7404A 13.2 GHz			E7405A 26.5 GHz
cdmaOne															
cdmaOne measurement personality <input type="checkbox"/> Option BAC					R	R	R	R						Option B72*	
RF and digital comms hardware bundle includes options B7D, B7E, 1D6, 1D5, 1DR, 1DS, B72* <input type="checkbox"/> Option B74 ¹¹					R ⁴	R ⁴	R ⁴	R ⁴						Two available card slots	
Digital signal processing and fast ADC <input type="checkbox"/> Option B7D ¹¹					R ²	R ²	R ²	R ²						Options B7E, 1D5 and one available card slot	
RF communications hardware <input type="checkbox"/> Option B7E					R ²	R ²	R ²	R ²						Options B7D, 1D5 and one available card slot	
Cable fault measurement personality <input type="checkbox"/> Option 225				R	R	R	R	R						Option 1DN or 1DQ and B72*	
Cable fault location accessory kit (50 Ohm) <input type="checkbox"/> Option B7K				R	R	R	R	R						Options 1DN, 225	Options 1DP, 1DQ
50 Ohm tracking generator <input type="checkbox"/> Option 1DN	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹		Options 1DP, 1DQ
GSM/GPRS															
GSM/GPRS measurement personality plus functionality of Option 225 <input type="checkbox"/> Option BAH					R	R	R	R						Options B72*, 1D6	
RF and digital comms hardware bundle includes options B7D, B7E, 1D6, 1D5, 1DR, 1DS, B72* <input type="checkbox"/> Option B74 ¹¹					R ⁴	R ⁴	R ⁴	R ⁴						Two available card slots	
Digital processing and fast ADC <input type="checkbox"/> Option B7D ¹¹					R ²	R ²	R ²	R ²						Options B7E, 1D5 and one available card slot	
RF communications hardware <input type="checkbox"/> Option B7E ¹¹					R ²	R ²	R ²	R ²						Options B7D, 1D5 and one available card slot	
Cable fault location accessory kit (50 Ohm) <input type="checkbox"/> Option B7K				R	R	R	R	R						Options 1DN, 225	Options 1DP, 1DQ
50 Ohm tracking generator <input type="checkbox"/> Option 1DN	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹		Options 1DP, 1DQ
Component test															
50 Ohm tracking generator (9 kHz to 1.5 GHz) <input type="checkbox"/> Option 1DN	R ¹			R ¹					R ¹						Options 1DP, 1DQ
50 Ohm tracking generator (9 kHz to 3 GHz) <input type="checkbox"/> Option 1DN		R ¹	R ¹		R ¹	R ¹	R ¹	R ¹		R ¹	R ¹	R ¹	R ¹		Options 1DP, 1DQ
75 Ohm tracking generator (1 MHz to 1.5 GHz) <input type="checkbox"/> Option 1DQ	R ¹			R ¹										Option 1DP	Option 1DN
Phase noise measurement personality <input type="checkbox"/> Option 226				R	R	R	R	R						Option B72*	

Blank - not available for model.

R - Available at time of purchase or as a retrofit. Customer installation except where noted.

* - Option B72 is standard if the serial prefix number is equal to or greater than US4144 or MY4144

Table 1.
Option availability and compatibility
(continued)

	ESA-L series			ESA-E series				E7400A EMC series					Requires	Not compatible with the following option(s)	
	E4411B 1.5 GHz	E4403B 3 GHz	E4408B 26.5 GHz	E4401B 1.5 GHz	E4402B 3 GHz	E4404B 6.7 GHz	E4405B 13.2 GHz	E4407B 26.5 GHz	E7401A 1.5 GHz	E7402A 3 GHz	E7403A 6.7 GHz	E7404A 13.2 GHz			E7405A 26.5 GHz
Cable TV															
Cable TV service and installation measurement personality ❑ Option 227				R	R	R	R	R						Option B72**	
Cable fault location measurement personality ❑ Option 225				R	R	R	R	R						Option 1DN or 1DQ and B72**	
If, sweep, and video output ports ❑ Option A4J	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	One available card slot (for ESA-E and E7400A)	AYX ⁺
75 Ohm input impedance ❑ Option 1DP	X			X											Option 060
50 to 75 Ohm minimum loss pad ❑ Option 1D7	R	R	R	R	R	R	R	R	R	R	R	R	R		
Pre-amplifier built-in ❑ Option 1DS				R ²	R ²	R ²	R ²	R ²	S	S	S	S	S		
GPIO and parallel printer interfaces ❑ Option A4H ¹³	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	S	S	S	S	S	One available card slot (for ESA-E and E7400A)	Option 1AX
RS-232 and parallel printer interfaces ❑ Option 1AX ¹³	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ^{1,7}	R ^{1,7}	R ^{1,7}	R ^{1,7}	R ^{1,7}	One available card slot (for ESA-E and E7400A)	Option A4H
Portability															
12 Vdc power cable ❑ Option A5D	R	R	R	R	R	R	R	R	R	R	R	R	R		
Hard transit case ❑ Option AXT	R	R	R	R	R	R	R	R	R	R	R	R	R		
Soft carrying /operation vase (gray) ❑ Option AYT	R	R	R	R	R	R	R	R	R	R	R	R	R		
Soft carrying /operation vase (yellow) ❑ Option AYU	R	R	R	R	R	R	R	R	R	R	R	R	R		
Custom Backpack (gray) ❑ Option 042	R	R	R	R	R	R	R	R	R ⁸	R ⁸	R ⁸	R ⁸	R ⁸		
Custom Backpack (gray) ❑ Option 044	R	R	R	R	R	R	R	R	R ⁸	R ⁸	R ⁸	R ⁸	R ⁸		
Front panel cover ❑ Option UK9	R	R	R	R	R	R	R	R	R	R	R	R	R		
PC Connectivity															
GPIO and parallel printer interfaces ❑ Option A4H ¹³	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	S	S	S	S	S	Available card slot (for ESA-E and E7400A)	Option 1AX
RS-232 and parallel printer interfaces ❑ Option 1AX ¹³	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ^{1,7}	R ^{1,7}	R ^{1,7}	R ^{1,7}	R ^{1,7}	Available card slot (for ESA-E and E7400A)	Option A4H
*IntuiLink PC connectivity software ❑ Standard	S	S	S	S	S	S	S	S	S	S	S	S	S		
BenchLink spectrum analyzer, PC software (Agilent E4444A) ❑ Option B70	R	R	R	R	R	R	R	R						Option A4H or Option 1AX	
BenchLink web remote control software ❑ Option 230	R	R	R	R	R	R	R	R	R ¹⁰	R ¹⁰	R ¹⁰	R ¹⁰	R ¹⁰	Option A4H	

Blank - not available for model.

X - Available only at time of new instrument purchase.

S - Standard.

R - Available at time of purchase or as a retrofit. Customer installation except where noted.

* - Standard with Options A4H and 1AX

** - Option B72 is standard if the serial prefix number is equal to or greater than US4144 or MY4144.

+ - Option AYX includes functionality of A4J

Table 1.
Option availability and compatibility
(continued)

	ESA-L series			ESA-E series				E7400A EMC series					Requires	Not compatible with the following option(s)	
	E4411B 1.5 GHz	E4403B 3 GHz	E4408B 26.5 GHz	E4401B 1.5 GHz	E4402B 3 GHz	E4404B 6.7 GHz	E4405B 13.2 GHz	E4407B 26.5 GHz	E7401A 1.5 GHz	E7402A 3 GHz	E7403A 6.7 GHz	E7404A 13.2 GHz			E7405A 26.5 GHz
Pulsed measurements															
Time-gated spectrum analysis <input type="checkbox"/> Option 1D6				R ¹	R ¹	R ¹	R ¹	R ¹	X	X	X	X	X		
FM demodulation/deviation <input type="checkbox"/> Option BAA				R ¹	R ¹	R ¹	R ¹	R ¹	S ⁵	S ⁵	S ⁵	S ⁵	S ⁵	One available card slot	Options 106, 304
TV trigger and picture on screen <input type="checkbox"/> Option B7B				R ¹	R ¹	R ¹	R ¹	R ¹						Option BAA	Options 106, 304
Fast zero-span sweep plus functionality of Option A4J <input type="checkbox"/> Option AYX				R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	One available card slot	Option A4J
50 to 75 Ohm minimum loss pad <input type="checkbox"/> Option 1D7	R	R	R	R	R	R	R	R	R	R	R	R	R		
75 Ohm input impedance <input type="checkbox"/> Option 1DP	X			X											Option 060
If, sweep, and video output ports <input type="checkbox"/> Option A4J	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	R ¹	One available card slot (for ESA-E and E7400A)	Option AYX*
Peripherals and accessories															
Rackmount and handle kit with slides <input type="checkbox"/> Option 1CP	R	R	R	R	R	R	R	R	R	R	R	R	R		
Documentation															
Add manual set <input type="checkbox"/> Option 0B1	R	R	R	R	R	R	R	R	X	X	X	X	X		
Commercial calibration certificate with test data <input type="checkbox"/> Option UK6	X	X	X	X	X	X	X	X	X	X	X	X	X		
Delete manual set (retains CD-Rom version) <input type="checkbox"/> Option 0B0	X	X	X	X	X	X	X	X	X	X	X	X	X		
Service documentation, component level CLIP (component level information package) <input type="checkbox"/> Option 0BV	R	R	R	R	R	R	R	R							
Service documentation, assembly level (performance verification and adjustment software included) <input type="checkbox"/> Option 0BW	R	R	R	R	R	R	R	R							

Blank - not available for model.

X - Available only at time of new instrument purchase.

S - Standard.

R - Available at time of purchase or as a retrofit. Customer installation except where noted.

* - Option AYX includes functionality of Option A4J.

Table 1.
Option availability and compatibility

	ESA-L series			ESA-E series				E7400A EMC series					Requires	Not compatible with the following option(s)	
	E4411B 1.5 GHz	E4403B 3 GHz	E4408B 26.5 GHz	E4401B 1.5 GHz	E4402B 3 GHz	E4404B 6.7 GHz	E4405B 13.2 GHz	E4407B 26.5 GHz	E7401A 1.5 GHz	E7402A 3 GHz	E7403A 6.7 GHz	E7404A 13.2 GHz			E7405A 26.5 GHz
Warranty, service and calibration options															
Standard calibration ¹⁴	X	X	X	X	X	X	X	X	X	X	X	X	X		
<input type="checkbox"/> Option R-50C-001															
Standards compliant calibration ¹⁴	X	X	X	X	X	X	X	X							
<input type="checkbox"/> Option R-50C-002															
Return-to-Agilent warranty and service plan ¹⁵	X	X	X	X	X	X	X	X	X	X	X	X	X		
<input type="checkbox"/> Option R-51B															
Localization															
Taiwan-Chinese user's guide	R	R	R	R	R	R	R	R							
<input type="checkbox"/> Option AB0															
Korea-Korean user's guide	R	R	R	R	R	R	R	R							
<input type="checkbox"/> Option AB1															
China-Chinese user's guide	R	R	R	R	R	R	R	R							
<input type="checkbox"/> Option AB2															
Germany-German user's guide	R	R	R	R	R	R	R	R							
<input type="checkbox"/> Option ABD															
Spain-Spanish user's guide	R	R	R	R	R	R	R	R							
<input type="checkbox"/> Option ABE															
France-French user's guide	R	R	R	R	R	R	R	R							
<input type="checkbox"/> Option ABF															
Japan-Japanese user's guide	R	R	R	R	R	R	R	R							
<input type="checkbox"/> Option ABJ															
Italy-Italian user's guide	R	R	R	R	R	R	R	R							
<input type="checkbox"/> Option ABZ															
Russia-Russian user's guide	R	R	R	R	R	R	R	R							
<input type="checkbox"/> Option ABT															
Firmware/software															
Firmware upgrade	R	R	R	R	R	R	R	R	R ⁹	R ⁹	R ⁹	R ⁹	R ⁹	B72*	
<input type="checkbox"/> Option UE2															
ESA to 89601A vector signal analysis software link utility					R	R	R	R						B7D, B7E, A4H 1D5 and B72* (or B74 and A4H)	Option 229
<input type="checkbox"/> Option 231															
8590-series programming code compatibility	R	R	R	R	R	R	R	R						Option A4H or Option 1AX	
<input type="checkbox"/> Option 290															
HP 8566/68 programming code compatibility				R	R	R	R	R						Option A4H or Option 1AX	
<input type="checkbox"/> Option 266															

Blank - not available for model.

X - Available only at time of new instrument purchase.

R - Available at time of purchase or as a retrofit. Customer installation except where noted.

* - Option B72 is required when upgrading to firmware revision A.08.00 and above.

+ - Functionality of 231 is included in option 229. A4H must be ordered to take advantage of Link to 89601A VSA software.

ESA/EMC accessories



Custom backpack for carrying the ESA series analyzer (042, 044)



ESA/EMC accessories *(continued)*

For field service and portability

- E1779A Battery pack

PC software

- IntuiLink PC connectivity software*
(standard with Option A4H or 1AX)
- E4444A BenchLink spectrum analyzer PC software
- Option 230 BenchLink web remote control software
- Option 231 ESA to 89601A vector signal analysis software link utility

Programming Code Compatibility

- Option 290 8590-series programming code compatibility

Printer

- HP DeskJet 690C (C4562A) Color printer
- HP DeskJet 932C (C6427B) Color printer
- HP DeskJet 970C (C6429A) Color printer
- HP DeskJet 895C (C6410B) Color printer

Your Agilent ESA spectrum analyzer must be equipped with either Option A4H (GPIB and parallel interface) standard on EMC analyzers or Option 1AX (RS-232 and parallel interface), and an IEEE 1284 compliant printer cable. A supported printer is one that is equipped with a parallel interface and accepts printer control language (PCL) level 3 or 5. PCL3 printers include most HP DeskJet printers. PCL5 printers include most HP LaserJet printers and the HP 1600C DeskJet printer. Visit the Agilent Web site for the latest printer compatibility information at www.agilent.com/find/pg

Preamplifiers

- 87405A Preamplifier (10 MHz to 3 GHz, 24 dB gain)
(fastened to RF input, powered from analyzer)
- 85905A 75 Ohm preamplifier
(45 MHz to 1 GHz 20 dB gain)
(powered from analyzer)
- 11909A 9 kHz to 1 GHz preamplifier

External mixing

- 11970 Series Non-preselected waveguide, harmonic mixers
(26.5 to 110 GHz)
- 11974 Series Preselected waveguide, harmonic mixers
(26.5 to 75 GHz)
- 5061-5458 SMA cables
- R/Q/U/V281A,B mm-Wave-to-coax adaptors
(26.5 to 65 GHz)

Other accessories

- 41800A Active probe
(5 Hz to 500 MHz)
- 85024A High frequency active probe
(300 kHz to 3GHz)
- 5182-4794 RS-232 cable (9-pin F to 9-pin F) for serial
9-pin PC connection to analyzer
- 10833A GPIB cable (1 meter)
- 11940A/11941A Closefield probe

Agilent ESA manuals

Included with an Agilent ESA spectrum analyzer are a Reference Guide, User's Guide, Programmer's Guide (if either Option 1AX or Option A4H is ordered), Calibration Guide, and Specification Guide. You may order additional manual sets by ordering Option 0B1. Localized user guides are also available for the ESA family.

For on-line manuals, visit our Web site at www.agilent.com/find/manuals

* For more information about IntuiLink software, visit our Web site at: <http://www.agilent.com/find/intuilink>

Agilent ESA product and application information

Product literature

Modulation Analysis Measurement Personality,
Product Overview

literature number 5988-2116EN

Bluetooth RF Measurement Solution, Product Overview

literature number 5980-2786EN

Cable Fault Location Measurement Personality,
Product Overview

literature number 5980-1915E

Cable TV Service and Installation Analyzer,
Product Overview

literature number 5980-0845E

cdmaOne Measurement Solutions for ESA-E Series
Spectrum Analyzers, Product Overview

literature number 5968-6869E

8590-E Series, Brochure

literature number 5963-6908E

8590-E Series, Technical Specifications

literature number 5963-6909E

8560-EC Series, Brochure

literature number 5968-9571E

8560-EL Series, Technical Specifications

literature number 5966-1496E

8560-EC Series, Technical Specifications

literature number 5968-8156E

11970 Series Harmonic Mixers, Technical Specifications

literature number 5968-1445E

EMC Precompliance Solutions, Brochure,

literature number 5968-2516E

EMC Precompliance Systems, Ordering Information,

literature number 5968-5157E

E7400A-Series EMC Analyzers, Technical Specifications

literature number 5968-3662E

ESA BenchLink Spectrum Analyzer Software,
Product Overview

literature number 5966-0676E

BenchLink Web Remote Control Software

Product Overview

literature number 5988-2610EN

ESA Snap-On Battery Pack, Product Overview
literature number 5966-1851E

ESA-E Series Spectrum Analyzer, Brochure
literature number 5968-3278E

ESA-E Series, Technical Specifications
literature number 5968-3386E

ESA-E Series Self-Guided Demo, Product Note
literature number 5968-3658E

ESA-E Series TV Transmission Quality Measurements,
Product Overview

literature number 5968-6874E

ESA-E Series Measuring Signals Above 26.5 GHz,
Product Overview

literature number 5968-6873E

ESA-L Series, Product Overview

literature number 5965-6309E

Select the Right Spectrum Analyzer for Your Needs,
Selection Guide

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GSM Measurement Solutions for ESA-E Series
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Optimizing Spectrum Analyzer Dynamic Range,

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Optimizing Spectrum Analyzer Measurement Speed,

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Spectrum Analysis Basics-150,

literature number 5952-0292E

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Get the latest news, product, and support information, application literature and more. The internet address for the Agilent ESA family is

www.agilent.com/find/esa.

For the latest EMC products and information visit

www.agilent.com/find/emc

Notes:

1. Retrofit requires post verification test.
2. Retrofit requires post verification test and adjustments (Option OBW required).
3. Retrofit by Agilent service center only.
4. Retrofit by Agilent factory only.
5. FM and AM demodulation capability similar to Option BAA is standard.
See Agilent E7401A technical specifications for differences.
6. See also performance bundle Option B75.
7. This is not compatible with Agilent E7415A EM1 software.
8. Available as a retrofit only.
9. Option B72 is standard and, is therefore not required for firmware upgrades.
10. For E7400A BenchLink web remote software upgrades, order equivalent ESA upgrade.
11. Fast ADC functionality of AYX is included in Options B7D, B7E, and B74. IF, video, and sweep ports functionality is not included.
12. Option B72 is available as an upgrade and is required when upgrading to firmware revision A.08.00 and above.
13. Option A4H or 1AX must be ordered at time of purchase.
14. For 3 years, order 36 months of the appropriate calibration plan. For 5 years, specify 60 months.
15. For warranty and service of 5 years, please order 60 months of R-51B (quantity = 60). Standard warranty is 36 months.

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