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 to1.5 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] ❑ **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] ❑ **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] ❑ **Option 1DS**				R[2]	R[2]	R[2]	R[2]	R[2]	S	S	S	S	S		
High stability frequency reference[6] ❑ **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 ❑ **Option 120**					R[1]	R[1]	R[1]	R[1]						One available card slot	
100 Hz (30 Hz useable) frequency range extension ❑ **Option UKB**					R[2]	R[2]	R[2]	R[4]		R[2]	R[2]	R[2]	R[4]		
External mixing (to 325 GHz) ❑ **Option AYZ**								R[4]						External mixer and two SMA cables (5061-5458)	
Fast zero-span sweep plus functionality of Option A4J ❑ **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 ❑ **Option BAB**			R[3]					R[3]					R[4]		
Memory extension to 10 MB ❑ **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 ❑ **Option B75**				X	X	X	X	X							
Low emissions shielding ❑ **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 ❑ **Option 231[+]**					R	R	R	R						B7D, B7E,A4H 1D5 and B72* (or B74 and A4H)	Option 229
Modulation analysis															
Modulation analysis measurement personality ❑ **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* ❑ **Option B74[11]**					R[2]	R[2]	R[2]	R[2]						Two available card slots	
Digital processing and fast ADC ❑ **Option B7D[11]**					R[2]	R[2]	R[2]	R[2]						Options B7E, 1D5, and one available card slot	
RF communications hardware ❑ **Option B7E[11]**					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 ❑ **Option 304**					R[4]	R[4]	R[4]	R[4]						Three available card slots	Option BAA, B7B
Bluetooth measurement personality ❑ **Option 228**					R	R	R	R						(Minimum) Options 106, B72*, AYX	
Bluetooth FSK demodulator ❑ **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 ❑ **Option B7D[11]**					R[2]	R[2]	R[2]	R[2]						Options B7E, 1D5 and one available card slot	
RF communication hardware ❑ **Option B7E[11]**					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.

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

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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 ❑ **Option BAC**					R	R	R	R						Option B72*	
RF and digital comms hardware bundle includes options B7D, B7E, 1D6, 1D5, 1DR, 1DS, B72* ❑ **Option B74** [11]					R [4]	R [4]	R [4]	R [4]						Two available card slots	
Digital signal processing and fast ADC ❑ **Option B7D** [11]					R [2]	R [2]	R [2]	R [2]						Options B7E, 1D5 and one available card slot	
RF communications hardware ❑ **Option B7E**					R [2]	R [2]	R [2]	R [2]						Options B7D, 1D5 and one available card slot	
Cable fault measurement personality ❑ **Option 225**				R	R	R	R	R						Option 1DN or 1DQ and B72*	
Cable fault location accessory kit (50 Ohm) ❑ **Option B7K**				R	R	R	R	R						Options 1DN, 225	Options 1DP, 1DQ
50 Ohm tracking generator ❑ **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 ❑ **Option BAH**					R	R	R	R						Options B72*, 1D6	
RF and digital comms hardware bundle includes options B7D, B7E, 1D6, 1D5, 1DR, 1DS, B72* ❑ **Option B74** [11]					R [4]	R [4]	R [4]	R [4]						Two available card slots	
Digital processing and fast ADC ❑ **Option B7D** [11]					R [2]	R [2]	R [2]	R [2]						Options B7E, 1D5 and one available card slot	
RF communications hardware ❑ **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) ❑ **Option B7K**				R	R	R	R	R						Options 1DN, 225	Options 1DP, 1DQ
50 Ohm tracking generator ❑ **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) ❑ **Option 1DN**	R [1]			R [1]					R [1]						Options 1DP, 1DQ
50 Ohm tracking generator (9 kHz to 3 GHz) ❑ **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) ❑ **Option 1DQ**	R [1]			R [1]										Option 1DP	Option 1DN
Phase noise measurement personality ❑ **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

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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 O6O
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		
GPIB 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															
GPIB 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 ❑ **Option 1D6**				R¹	R¹	R¹	R¹	R¹	X	X	X	X	X		
FM demodulation/deviation ❑ **Option BAA**				R¹	R¹	R¹	R¹	R¹	S⁵	S⁵	S⁵	S⁵	S⁵	One available card slot	Options 106, 304
TV trigger and picture on screen ❑ **Option B7B**				R¹	R¹	R¹	R¹	R¹						Option BAA	Options 106, 304
Fast zero-span sweep plus functionality of Option A4J ❑ **Option AYX**				R¹	R¹	R¹	R¹	R¹	R¹	R¹	R¹	R¹	R¹	One available card slot	Option A4J
50 to 75 Ohm minimum loss pad ❑ **Option 1D7**	R	R	R	R	R	R	R	R	R	R	R	R	R		
75 Ohm input impedance ❑ **Option 1DP**	X			X											Option 060
If, sweep, and video output ports ❑ **Option A4J**	R¹	R¹	R¹	R¹	R¹	R¹	R¹	R¹	R¹	R¹	R¹	R¹	R¹	One available card slot (for ESA-E and E7400A)	Option AYX*
Peripherals and accessories															
Rackmount and handle kit with slides ❑ **Option 1CP**	R	R	R	R	R	R	R	R	R	R	R	R	R		
Documentation															
Add manual set ❑ **Option 0B1**	R	R	R	R	R	R	R	R	X	X	X	X	X		
Commercial calibration certificate with test data ❑ **Option UK6**	X	X	X	X	X	X	X	X	X	X	X	X	X		
Delete manual set (retains CD-Rom version) ❑ **Option 0B0**	X	X	X	X	X	X	X	X	X	X	X	X	X		
Service documentation, component level CLIP (component level information package) ❑ **Option 0BV**	R	R	R	R	R	R	R	R							
Service documentation, assembly level (performance verification and adjustment software included) ❑ **Option 0BW**	R	R	R	R	R	R	R	R							

Blank - not available for model.

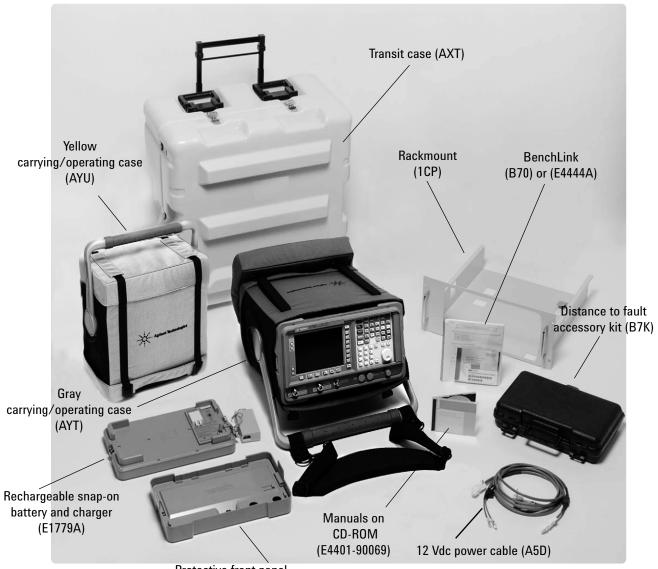**X** - Available only at time of new instrument purchase.

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] ❏ **Option R-50C-001**	X	X	X	X	X	X	X	X	X	X	X	X	X		
Standards compliant calibration[14] ❏ **Option R-50C-002**	X	X	X	X	X	X	X	X							
Return-to-Agilent warranty and service plan[15] ❏ **Option R-51B**	X	X	X	X	X	X	X	X	X	X	X	X	X		
Localization															
Taiwan-Chinese user's guide ❏ **Option AB0**	R	R	R	R	R	R	R	R							
Korea-Korean user's guide ❏ **Option AB1**	R	R	R	R	R	R	R	R							
China-Chinese user's guide ❏ **Option AB2**	R	R	R	R	R	R	R	R							
Germany-German user's guide ❏ **Option ABD**	R	R	R	R	R	R	R	R							
Spain-Spanish user's guide ❏ **Option ABE**	R	R	R	R	R	R	R	R							
France-French user's guide ❏ **Option ABF**	R	R	R	R	R	R	R	R							
Japan-Japanese user's guide ❏ **Option ABJ**	R	R	R	R	R	R	R	R							
Italy-Italian user's guide ❏ **Option ABZ**	R	R	R	R	R	R	R	R							
Russia-Russian user's guide ❏ **Option ABT**	R	R	R	R	R	R	R	R							
Firmware/software															
Firmware upgrade ❏ **Option UE2**	R	R	R	R	R	R	R	R	R[9]	R[9]	R[9]	R[9]	R[9]	B72*	
ESA to 89601A vector signal analysis software link utility ❏ **Option 231**				R	R	R	R							B7D, B7E, A4H 1D5 and B72* (or B74 and A4H)	Option 229
8590-series programming code compatibility ❏ **Option 290**	R	R	R	R	R	R	R	R						Option A4H or Option 1AX	

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

Transit case (AXT)

Yellow carrying/operating case (AYU)

Rackmount (1CP)

BenchLink (B70) or (E4444A)

Distance to fault accessory kit (B7K)

Gray carrying/operating case (AYT)

Rechargeable snap-on battery and charger (E1779A)

Manuals on CD-ROM (E4401-90069)

12 Vdc power cable (A5D)

Protective front panel covers (UK9)

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/pcg**

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

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* 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
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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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