

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.

Models

- E4401B ESA-E Series Spectrum Analyzer (9 kHz to 1.5 GHz)
- E4402B ESA-E Series Spectrum Analyzer (100 Hz^{1,4} to 3 GHz)
- E4403B ESA-L Series Spectrum Analyzer (9 kHz to 3 GHz)
- E4404B ESA-E Series Spectrum Analyzer (100 Hz^{1,4} to 6.7 GHz)
- E4405B ESA-E Series Spectrum Analyzer (100 Hz^{1,4} to 13.2 GHz)
- E4407B ESA-E Series Spectrum Analyzer (100 Hz^{1,4} 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)³
- E7402A EMC Analyzer (301,2 Hz to 3 GHz)3
- E7403A EMC Analyzer (301,2 Hz to 6.7 GHz)³
- E7404A EMC Analyzer (301,2 Hz to 13.2 GHz)³
- E7405A EMC Analyzer (301.2 Hz to 26.5 GHz)3

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.

- 1. Optional
- 2. Characteristic
- 3. Includes peak, quasi-peak, and average detection standard.
- 4. 30 Hz characteristic

Table 1. Option availability and compatibility	ESA-L series				ESA-E series						7400. /IC se				
	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	Requires	Not compatible with the following option(s)
Available card slots	n/a	n/a	n/a	6	6	5	5	5	4	4	3	3	3		
Performance	I 50			I 50	50									T	1
Narrow resolution bandwidths for better resolving power (100 Hz) Option 1DR	R2	R2	R2	R2	R2	R2	R2	R2	S	S	S	S	S		
Narrow resolution bandwidths for better resolving power (10 Hz) ¹ Option 1DR				R2	R2	R2	R2	R2	S	S	S	S	S		
Narrow resolution bandwidths for resolving power (1 Hz, 3 Hz) 1 Option 1DR				R2	R2	R2	R2	R2	S	S	S	S	S	Option1D5	
Preamplifier built-in for enhanced sensitivity 1 Option 1DS				R3	R3	R3	R3	R3	S	S	S	S	S		
High stability frequency reference ¹ ☐ Option 1D5				R3	R4	R4	R4	R 4	R3	R4	R4	R4	R4		
ACPR dynamic range extension Option 120					R2	R2	R2	R2						One available card slot	
100 Hz (30 Hz useable) frequency range extension Option UKB					R3	R3	R3	R4		R3	R3	R3	R4	1DR	
External mixing (to 325 GHz) Option AYZ								R4						External mixer and two SMA cables (5061-5458)	
Fast time domain sweep plus functionality of Option A4J Option AYX				R2	R2	R2	R2	R2	R2	R2	R2	R2	R2	One available card slot	Options A4J, B7D, B74, 304
APC 3.5 mm input connector ☐ Option BAB			R ⁵					R ⁵					R4		
Memory extension to 10 MB Option B72	S2,6,8	S2,6,8	\$2,6,8	S2,6,8	S2,6,8	S2,6,8	S2,6,8	\$2,6,8	S	S	S	S	S		
Performance bundle is Options 1DR, 1DS and 1D5 Option B75				Х	X	X	X	X							
Low emissions shielding Option 060				R3	R3	R3	R3	R3	S	S	S	S	S		Options B7B, 1DP
Flexible Demodulation ESA to 89601A vector signal analysis software link utility					_	_	_	_						D7D D7F A411	
Option 231 ⁷					R	R	R	R						B7D, B7E,A4H 1D5 and B728 (or B74 and A4H)	Options 229, AYX
Modulation analysis														0 .: 070 075	0 1 001
Modulation analysis measurement personality Option 229 ⁷ RF and digital comms hardware bundle includes					R R3	R R ³	R R3	R R ³						Options B7D, B7E, 1D5 and B728 or B74 Two available	Option 231 Option AYX
Options B7D, B7E, 1D6, 1D5, 1DR, 1DS, B728 Option B749														card slots	Орионтих
Digital processing and fast ADC Option B7D9					R3	R3	R3	R3						Options B7E, 1D5, and one available card slot	Option AYX
RF communications hardware Option B7E9					R3	R3	R3	R3						Options B7D, 1D5 and one available card slot	
Bluetooth															
Bluetooth premium bundle including Options 228, 106, B7D, B7E, B728, 1DS, 1D5 Option 304					R4	R ⁴	R4	R4						Three available card slots	Options BAA, B7B, AYX
Bluetooth measurement personality Option 228					R	R	R	R						(Minimum) Options 106, B728, AYX	
Bluetooth FSK demodulator Option 106					R2	R2	R2	R2						(Minimum) Options 228, B728, AYX and one available card slot	Options BAA, B7B
Digital signal processing and fast ADC Option B7D9					R3	R3	R3	R3						Options B7E, 1D5 and one available card slot	Option AYX
RF communication hardware Option B7E9					R3	R3	R3	R3						Options B7D, 1D5 and one available card slot	

- Available only at time of new instrument purchase.
- S R Standard.
- Available at time of purchase or as a retrofit. Customer installation except where noted.
- 1. See also performance bundle Option B75.
- 2. Retrofit requires post verification test.
- 3. Retrofit requires post verification test and adjustments (Option OBW required).
- 4. Retrofit by Agilent factory only.
- Retrofit by Agilent service center only.

 Option B72 is available as an upgrade and 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.

 Option B72 is standard if the serial prefix number is equal to or greater than US4144 or MY4144. 7.
- 8.
- 9. Fast ADC functionality of AYX is included in Options B7D, B7E, and B74. IF, video, & sweep ports functionality is not included.

Table 1. Option availability and compatibility	ESA-L series			ESA-E series							7400 /IC se				
(continued)		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	Requires	Not compatible with the following option(s)
cdma0ne															
cdmaOne measurement personality Oution BAC					R	R	R	R						Option B721	
RF and digital comms hardware bundle includes Options B7D, B7E, 1D6, 1D5, 1DR, 1DS, B721 Option B742					R3	R3	R3	R3						Two available card slots	Option AYX
Digital signal processing and fast ADC Option B7D ²					R4	R4	R4	R4						Options B7E, 1D5 and one available card slot	Option AYX
RF communications hardware Option B7E					R4	R4	R4	R4						Options B7D, 1D5 and one available card slot	
Cable fault measurement personality Option 225				R	R	R	R	R						Option 1DN or 1DQ and B721	
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	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5		Options 1DP, 1DQ
GSM/GPRS															
GSM/GPRS measurement personality plus functionality of Option 225 Option BAH					R	R	R	R						Options B72 ¹ , 1D6	
RF and digital comms hardware bundle includes Options B7D, B7E, 1D6, 1D5, 1DR, 1DS, B72 ¹ Option B74 ²					R3	R3	R3	R3						Two available card slots	Option AYX
Digital processing and fast ADC Option B7D ²					R4	R4	R4	R4						Options B7E, 1D5 and one available card slot	Option AYX
RF communications hardware Option B7E2					R4	R4	R4	R4						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	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5	R5		Options 1DP, 1DQ
Component test	R5			DE					DE						0-4:
50 Ohm tracking generator (9 kHz to 1.5 GHz) Option 1DN	l ua			R5					R5						Options 1DP, 1DQ
50 Ohm tracking generator (9 kHz to 3 GHz) Option 1DN		R5	R5		R5	R5	R5	R5		R5	R5	R5	R5		Options 1DP, 1DQ
75 Ohm tracking generator (1 MHz to 1.5 GHz) Option 1DQ	R ⁵			R ⁵										Option 1DP	Option 1DN
Phase noise measurement personality Option 226				R	R	R	R	R						Option B721	
Noise figure															
Noise figure measurement personality and hardware Option 219				R ⁵	R ⁵	R ⁵	R ⁵	R ⁵						Option 1DS ⁶	Options 1DP, 1DQ
Preamplifier built-in for enhanced sensitivity 6 Option 1DS				R4	R4	R4	R4	R4	S	S	S	S	S		Ontinue
Low emissions shielding Option 060				R ⁴	R4	R4	R4	R4	S	S	S	S	S		Options B7B, 1DP

- ${\sf X} \qquad {\sf Available \ only \ at \ time \ of \ new \ instrument \ purchase}.$
- 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.
- 2. Fast ADC functionality of AYX is included in Options B7D, B7E, and B74. IF, video, and sweep ports functionality is not included.
- 3. Retrofit by Agilent factory only.
- Retrofit requires post verification test and adjustments (Option OBW required).
- 5. Retrofit requires post verification test.
- 6. See also performance bundle Option B7S.

Table 1. Option availability and compatibility	ESA-L series					ESA- serie					7400 1C se				
(continued)	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	Requires	Not compatible with the following option(s)
Cable TV Cable TV service and installation measurement personality	_			l R	R	R	D	R						Option B721	<u> </u>
□ Option 227				n	n	n	R	n						Option B721	
Cable fault location measurement personality Option 225				R	R	R	R	R						Option 1DN or 1DQ and B721	
FM demodulation/deviation Option BAA				R2	R2	R2	R2	R2	S3	S3	S3	S3	S3	One available card slot	Options 106, 304
TV trigger and picture on screen Option B7B				R2	R2	R2	R2	R2						Option BAA	Options 106, 304
Fast time domain sweeps, plus functionality of A4J Option AYX				R2	R2	R2	R2	R2	R2	R2	R2	R2	R2	One available card slot	Options A4J, B7D, B74, 304
RF and digital comms hardware bundle, includes Options B7D, B7E, 1D6, 1D5, 1DR, 1DS, B72 Option B744				R ⁵	R5	R ⁵	R5	R ⁵						Two available card slots	Option AYX
If, sweep, and video output ports Option A4J	R2	R2	R2	R2	R2	R2	R2	R2	R2	R2	R2	R2	R2	One available card slot (for ESA-E and E7400A)	
75 Ohm input impedance Option 1DP	X			Х											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				R5	R5	R5	R5	R5	S	S	S	S	S		
GPIB and parallel printer interfaces Option A4H7	R2	R2	R2	R2	R2	R2	R2	R2	S	S	S	S	S	One available card slot (for ESA-E and E7400A)	Option 1AX
RS-232 and parallel printer interfaces Option 1AX7	R2	R2	R2	R2	R2	R2	R2	R2	R2,8	R2,8	R2,8	R2,8	R2,8	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	R	R	R	R		
Custom Backpack (yellow) Option 044	R	R	R	R	R	R	R	R	R	R	R	R	R		
Front panel cover Option UK9	R	R	R	R	R	R	R	R	R	R	R	R	R		
PC Connectivity	-												_		0 1 111/
GPIB and parallel printer interfaces Option A4H7 RS-232 and parallel printer interfaces	R2 R2	R2	R2 R2	R2 R2	R2	R2	R2	R2	S R2,8	S R2,8	S R2,8	S R2,8	S R2,8	Available card slot (for ESA-E and E7400A) Available card slot	Option 1AX Option A4H
□ Option 1AX ⁷														(for ESA-E and E7400A)	Option A411
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	R	R	R	R	Option A4H	

- ${\sf X} \qquad {\sf Available \ only \ at \ time \ of \ new \ instrument \ purchase}.$
- S Standard. R Available
- 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.
- 2. Retrofit requires post verification test.
- FM and AM demodulation capability similar to Option BAA is standard. See Agilent E7401A technical specifications for differences.
- Fast ADC functionality of AYX is included in Options B7D, B7E, and B74. IF, video, and sweep ports functionality is not included.
- . Retrofit requires post verification test and adjustments (Option OBW required).
- 6. Option AYX includes functionality of A4J
- 7. Option A4H or 1AX must be ordered at time of purchase.
- 8. This is not compatible with Agilent E7415A EM1 software.

Table 1. Option availability and compatibility		ESA- serie	_			ESA-l serie:	_			_	7400 /IC se				
(continued)	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	Requires	Not compatible with the following option(s)
Pulsed measurements															
Time-gated spectrum analysis Option 1D6				R1	R1	R1	R1	R1	Х	Х	Х	Х	Х		
FM demodulation/deviation Option BAA				R1	R1	R1	R1	R1	S2	S2	S2	S ²	S2	One available card slot	106, 304
TV trigger and picture on screen Option B7B				R1	R1	R1	R1	R1						Option BAA	Options 106, 304
Fast time domain sweep plus functionality of Option A4J Option AYX				R1	R1	R1	R1	R1	R1	R1	R1	R1	R1	One available card slot	Option A4J, B7D, B74, 304
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	Х			Х											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 ³
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	Х	Х	Х	Х	Х		
Commercial calibration certificate with test data Option UK6	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		
Delete manual set (retains CD-Rom version) Option 0B0	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		
Service documentation, component level CLIP (component level information package) Option OBV	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							

 ${\sf X} \qquad \text{Available only at time of new instrument purchase}.$

S Standard.

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

- 1. Retrofit requires post verification test.
- FM and AM demodulation capability similar to Option BAA is standard. See Agilent E7401A technical specifications for differences.
- 3. Option AYX includes functionality of Option A4J.

Table 1. Option availability and compatibility					ESA-L ESA-E series series						7400 /IC se				
	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	Requires	Not compatible with the following option(s)
Warranty, service and calibration options															
Standard calibration ¹ Option R-50C-001	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х		
Standards compliant calibration ¹ Option R-50C-002	Х	Х	Х	Х	Х	Х	Х	Х							
Return-to-Agilent warranty and service plan ² Option R-51B	Х	Х	X	Х	Х	Х	Х	X	Х	Х	Х	X	Х		
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	U	U	U	U	U	U	U	U	U	U	U	U	U	B723,5	
ESA to 89601A vector signal analysis software link utility Option 231					R	R	R	R						B7D, B7E,A4H 1D5 and B72 ⁴ (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	
HP 8566/68 programming code compatibility Option 266				R	R	R	R	R						Option A4H or Option 1AX	
ESA-L Series color display upgrade															
Color display upgrade Option 049	U	U	U											B723,5	

X Available only at time of new instrument purchase.

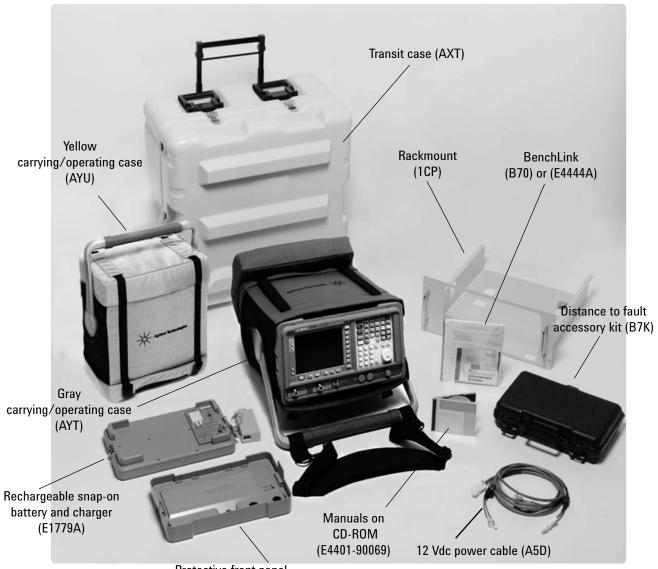
S Standard.

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

U Available as a retrofit only.

- 1. For 3 years, order 36 months of the appropriate calibration plan. For 5 years, specify 60 months.
- 2. For warranty and service of 5 years, please order 60 months of R-51B (quantity = 60). Standard warranty is 36 months.
- 3. 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.
- Option B72 is standard on ESA's if the serial prefix number is equal to or greater than US4144 or MY4144. Option B72 is standard on all E7400A Series.

ESA/EMC accessories



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 software¹ (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 M	MHz to
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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 p	probe
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(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

^{1.} 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

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