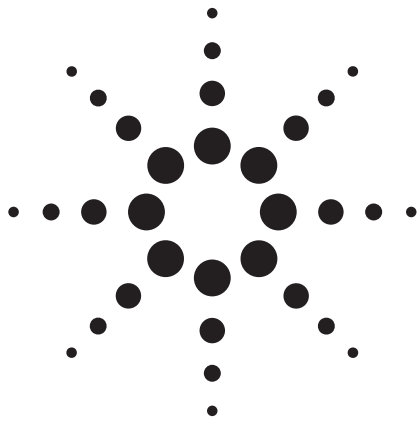
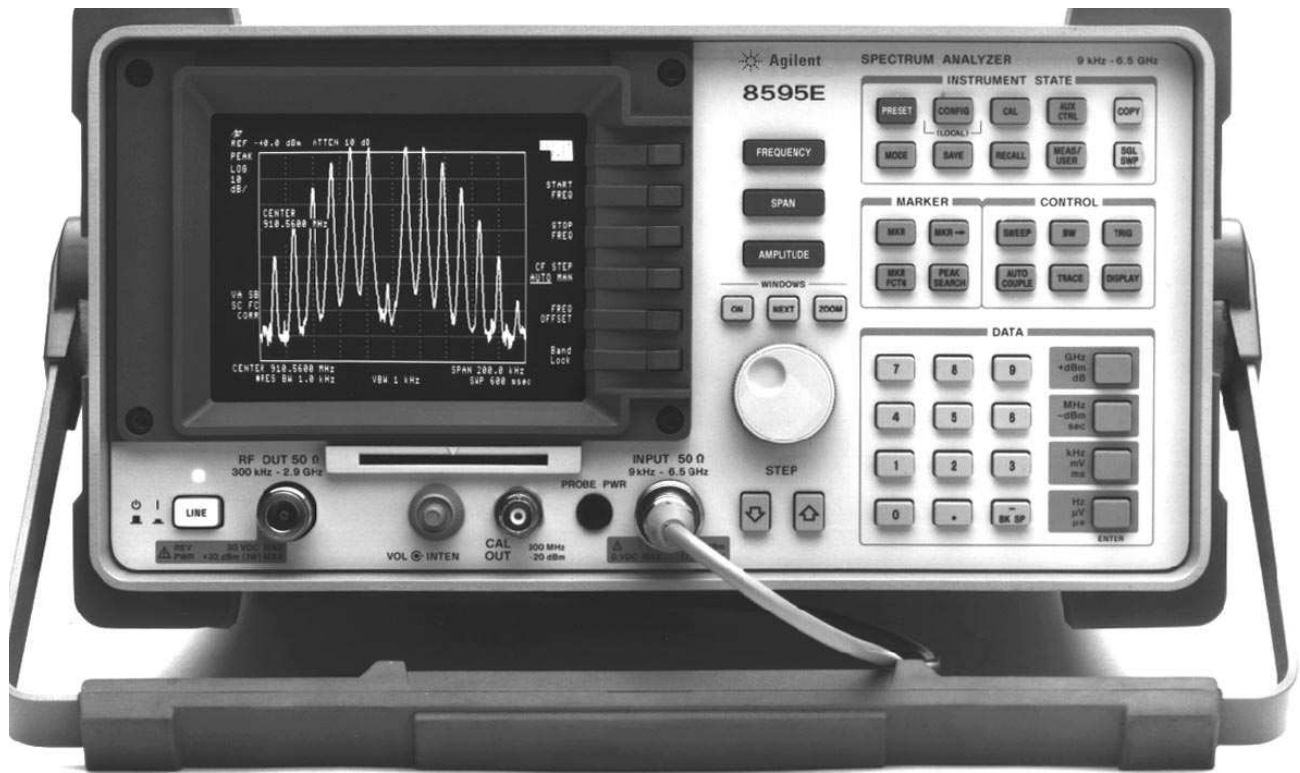




Agilent 8590 C/E/L/Q and EM Series

Spectrum Analyzers and Accessories

Configuration Guide



8591C Cable TV Analyzer (1 MHz to 1.8 GHz)
8591E RF Spectrum Analyzer (9 kHz to 1.8 GHz)
8593E Microwave Spectrum Analyzer (9 kHz to 22 GHz)
8594E RF Spectrum Analyzer (9 kHz to 2.9 GHz)
8595E RF Spectrum Analyzer (9 kHz to 6.5 GHz)
8596E Microwave Spectrum Analyzer (9 kHz to 12.8 GHz)
8590L Spectrum Analyzer (9 kHz to 1.8 GHz)
8592L Microwave Spectrum Analyzer (9 kHz to 22 GHz)

8594L RF Spectrum Analyzer (9 kHz to 2.9 GHz)
8594Q QAM Analyzer (9 kHz to 2.9 GHz)
8591EM EMC Analyzer (9 kHz to 1.8 GHz)
8593EM EMC Analyzer (9 kHz to 22 GHz)
8594EM EMC Analyzer (9 kHz to 2.9 GHz)
8595EM EMC Analyzer (9 kHz to 6.5 GHz)
8596EM EMC Analyzer (9 kHz to 12.8 GHz)



Agilent Technologies

Innovating the HP Way

Option	Description	Opt Card Slots Req'd (4 max)	✓ = compatible										8590EM Series
			8591C	8591E	8593E	8594E	8595E	8596E	8590L	8592L	8594L	8594Q	
☐ 001	75 Ohm input impedance	0	Std	✓					✓				
☐ 003	Memory card reader	0	Std	Std	Std	Std	Std	Std	✓	✓	✓	Std	Std
☐ 004	Precision frequency reference	0	Std	✓	✓	✓	✓	✓				Std	✓
☐ 009	Local oscillator and sweep + tune outputs (rear panel)	1 ²⁸			✓	✓	✓	✓					✓ ¹⁴
☐ 010	Built-in tracking generator, 50 Ohm (100 kHz–1.8 GHz)	0		✓					✓				✓
☐ 010	Built-in tracking generator, 50 Ohm (9 kHz–2.9 GHz)	1 ²⁸			✓	✓	✓	✓					✓
☐ 011	Built-in tracking generator, 75 Ohm (100 kHz–1.8 GHz)	0	✓	✓					✓				
☐ 012	DECT source	2			✓	✓	✓	✓					
☐ 015	Protective soft tan carrying/operating case	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 016	Protective soft yellow operating/carrying case	0	Std	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 026	Frequency extension to 26.5 GHz (APC 3.5 mm connector)	0			✓					✓			✓ ²
☐ 027	Frequency extension to 26.5 GHz (type-N connector)	0			✓					✓			✓ ²
☐ 030	Adds 85921B Cable TV Data Management S/W for FCC ³¹	0	✓										
☐ 040	Front panel protective cover w/CRT viewing hood	0		✓	✓	✓	✓	✓	✓	✓	✓	✓	
☐ 041	GPIB interface and parallel printer interface ^{4, 22}	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	Std	Std
☐ 042	Protective soft carrying case/backpack ²¹	0		✓	✓	✓	✓	✓	✓	✓	✓		✓
☐ 043	RS-232 interface and parallel printer interface ^{4, 22}	0	Std	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 050	Improved amplitude accuracy for NADC-TDMA/PCS bands	0		✓	✓	✓	✓	✓					
☐ 051	Improved amplitude accuracy for PDC bands	0		✓	✓	✓	✓	✓					
☐ 052	Improved amplitude accuracy for PHS band	0			✓	✓	✓	✓					
☐ 053	Improved amplitude accuracy for CDMA/PCS bands	0		✓	✓	✓	✓	✓					
☐ 078	Adds 85878A report generation software												✓
☐ 080	Delete manual set	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
☐ 101	Fast time-domain sweeps and Analog + display	1	Std	✓	✓	✓	✓	✓					✓
☐ 102	AM/FM demod. with speaker and TV sync. trigger ^{5, 24}	1	Std	✓	✓	✓	✓	✓					✓
☐ 103	Quasi-peak detector and AM/FM demod with speaker ²⁴	1		✓	✓	✓	✓	✓					Note ³
☐ 105	Time-gated spectrum analysis	0		✓	✓	✓	✓	✓					
☐ 107	TV receiver video tester ³²	1	✓	✓	✓	✓	✓	✓					
☐ 110	CT2 demodulator ^{6, 24}	1		✓	✓	✓	✓	✓					
☐ 111	Group delay w/compatible tracking generator ³⁴	2			✓	✓	✓	✓					
☐ 112	DECT demodulator ²⁴	1			✓	✓	✓	✓					
☐ 119	Noise figure ⁷	1	✓	✓	✓	✓	✓	✓					
☐ 130	Narrow resolution bandwidths (30 Hz, 100 Hz, 300 Hz and 200 Hz EMI)	1	✓	✓	✓	✓	✓	✓					Std
☐ 140	Narrow resolution bandwidths/precision frequency reference (Opt 004 and 130)	1		✓	✓	✓	✓	✓					
☐ 151	DSP, fast ADC, and digital demodulator ²⁸	2		✓ ²⁵	✓	✓	✓	✓					
☐ 160	PDC, PHS, NADC, and CDMA firmware for Option 151 ³⁵	0		✓ ²⁵	✓	✓	✓	✓					

Option	Description	Opt Card Slots Req'd (4 max)	✓ = compatible										8590EM Series
			8591C	8591E	8593E	8594E	8595E	8596E	8590L	8592L	8594L	8594Q	
☐ 163	GSM900/DCS1800 firmware for Option 151 ³⁵	0			✓	✓	✓	✓					
☐ 180	TV picture on screen (NTSC, PAL, and SECAM) ³²	1	✓	✓	✓	✓	✓	✓					
☐ 190	DVB-C RF and modulation quality measurements	3										✓	
☐ 195	R-S and true BER and PID statistics data measurements	1										✓	
☐ 301	TV sync. trigger capability, fast time domain sweeps, AM/FM demodulator, and Analog + display (Option 101 and 102) ²⁴	2	Std	✓	✓	✓	✓	✓					✓
☐ 701	Delete TV sync. trigger capability, fast time domain sweeps, AM/FM demodulator and Analog + display (Options 101 and 102)	–2	✓										
☐ 703	Delete quasi-peak detector and AM/FM demodulator	–1											✓
☐ 704	Delete precision frequency reference	0	✓										
☐ 711	50/75 Ohm matching pad with 100V DC block	0		✓	✓	✓	✓	✓	✓	✓	✓	✓	
☐ 908	Rack mount kit without handles		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 909	Rack mount kit with handles		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 910	Additional user's guide, calibration guide, and quick reference guide		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 915	Component level information and service guide		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
☐ AB_	Quick reference guide in local languages ⁸		✓ ¹⁸	✓	✓	✓	✓	✓					
☐ E04	DRTS compatibility	2					Note ¹						
☐ H80	PAL/SECAM TV monitor ²³	0							✓	✓			
☐ H81	NTSC TV monitor	0							✓	✓			
☐ 8ZE	Refurbished spectrum analyzer (as available)		Contact an Agilent representative for availability										
☐ 0Q8	Factory service training		✓	✓	✓	✓	✓	✓	✓	✓			
☐ UK6	Commercial calibration certificate with test data		✓	✓	✓	✓	✓	✓	✓	✓	✓		
☐ W30	Two additional years return-to-Agilent service ⁹		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ W32	Two additional years return-to-Agilent calibration ⁹		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ W34	3 year standards compliant calibration service			✓	✓	✓	✓	✓	✓	✓	✓		✓
☐ W50	Four additional years return-to-Agilent service ⁹		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ W52	Four additional years return-to-Agilent calibration ⁹		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ W54	5 year standards compliant calibration service			✓	✓	✓	✓	✓	✓	✓	✓		✓
☐ B70	BenchLink spectrum analyzer	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
☐ BD0	Code division multiple access	2			✓	✓	✓	✓					
☐ BD1	Global system for mobile communication	2			✓	✓	✓	✓					
☐ BD2	North American digital cellular system	2			✓	✓	✓	✓					
☐ BD3	Pacific digital cellular system	2			✓	✓	✓	✓					
☐ BD4	Personal handyphone system	2			✓	✓	✓	✓					

Agilent 8590 C/E/L/Q and EM Series Retrofit Kits¹⁰

(for option installation after analyzer purchase)

Option	Description	Opt Card Slots Req'd (4 max)	✓ = compatible										8590EM Series
			8591C	8591E	8593E	8594E	8595E	8596E	8590L	8592L	8594L	8594Q	
☐ R01	Fast time-domain sweeps and analog + display	1	✓	✓	✓	✓	✓	✓					
☐ R02	AM/FM demodulator with speaker and TV sync trigger circuitry ⁵	1	✓	✓	✓	✓	✓	✓					
☐ R03	Memory card reader	0	Std	Std	Std	Std	Std	Std	✓	✓	✓	Std	Std
☐ R04	Precision frequency reference	0	✓	✓	✓	✓	✓	✓				Std	
☐ R05	CT2 demodulator ^{6, 24}	1		✓	✓	✓	✓	✓					
☐ R06	DECT demodulator ²⁴	1			✓	✓	✓	✓					
☐ R07/R17	TV receiver/video tester ¹	1	✓	✓	✓	✓	✓	✓					
☐ R10	Built-in tracking generator, 50 Ohm (100 kHz to 1.8 GHz)	0		✓					✓				
☐ K10	Built-in tracking generator, 50 Ohm (9 kHz to 2.9 GHz) ¹⁷	1			✓	✓	✓	✓					
☐ R11	Built-in tracking generator, 75 Ohm (100 kHz to 1.8 GHz)	0	✓	✓					✓				
☐ R15	Time-gated spectrum analysis	0		✓	✓	✓	✓	✓					
☐ R16	Protective soft yellow operating/carrying case	0	✓	✓	✓	✓	✓	✓	✓	✓	✓		
☐ R19	Noise figure ⁷	1	✓	✓	✓	✓	✓	✓					
☐ R21	GPIB interface ^{4, 22, 27}	0	✓	✓	✓	✓	✓	✓	✓	✓			
☐ R23	RS-232 interface ^{4, 22, 27}	0	✓	✓	✓	✓	✓	✓	✓	✓			
☐ R24	Parallel printer interface ^{22, 27}	0	✓	✓	✓	✓	✓	✓	✓	✓			
☐ R25	Protective soft tan operating/carrying case	0	✓	✓	✓	✓	✓	✓	✓	✓	✓		
☐ R30	Narrow resolution bandwidths	1	✓	✓	✓	✓	✓	✓				Std	
☐ R41	GPIB interface and parallel printer interface ^{4, 22, 26}	0	✓	✓	✓	✓	✓	✓	✓	✓	✓		
☐ R43	RS-232 interface and parallel printer interface ^{4, 22, 26}	0	Std	✓	✓	✓	✓	✓	✓	✓	✓		
☐ R50	Improved amplitude accuracy for NADC-TDMA/PCS bands	0		✓	✓	✓	✓	✓					
☐ R51	Improved amplitude accuracy for PDC bands	0		✓	✓	✓	✓	✓					
☐ R52	Improved amplitude accuracy for PHS band	0			✓	✓	✓	✓					
☐ R53	Improved amplitude accuracy for CDMA/PCS cellular bands	0		✓	✓	✓	✓	✓					
☐ R60	PDC, PHS, NADC, and CDMA firmware for Option 151 ³⁵	0		✓ ²⁵	✓	✓	✓	✓					
☐ R63	GSM900/DCS1800 firmware for Option 151 ³⁵	0			✓	✓	✓	✓					
☐ R70	PDC/PHS/NADC/CDMA FW+Opt 151 retro. kit ³⁵	2		✓ ²⁵	✓	✓	✓	✓					
☐ R73	DSP, fast ADC, and digital demodulator with GSM900/DCS1800 firmware ³⁵	2			✓	✓	✓	✓					
☐ R80	TV picture on screen (NTSC, PAL, and SECAM)	1	✓	✓	✓	✓	✓	✓					
☐ R95	R-S and true BER and PID statistics data measurements	1									✓		
☐ 11768A	Group delay retrofit kit	1			✓	✓	✓	✓					
☐ 11946A	Quasi-peak detector and AM/FM demod retrofit kit	1		✓	✓	✓	✓	✓					

		✓ = compatible										8590EM Series
Option	Description	8591C	8591E	8593E	8594E	8595E	8596E	8590L	8592L	8594L	8594Q	
☐ 85700A	32 Kbyte blank memory card (RAM) ¹¹	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 85702A	128 Kbyte blank memory card (RAM) ¹¹	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 85704A	256 Kbyte blank memory card (RAM) ¹¹	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 85705A	512 Kbyte blank memory card (RAM) ¹¹	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 11770A	Link measurements personality ³⁰			✓	✓	✓	✓					
☐ 85712D	EMC measurements personality ¹²		✓	✓	✓	✓	✓					
☐ 85713A	Digital radio measurements personality ¹¹			✓	✓	✓	✓		✓			
☐ 85714A	Scalar measurements personality ¹¹	✓	✓	✓	✓	✓	✓	✓				
☐ 85715B	GSM900 measurements personality with modulation accuracy ¹⁹		✓	✓	✓	✓	✓					
☐ 85717A	CT2-CAI measurements personality		✓	✓	✓	✓	✓					
☐ 85718B	NADC/PCS -TDMA measurements personality ¹⁹		✓	✓	✓	✓	✓					
☐ 85719A	Noise figure measurements personality	✓	✓	✓	✓	✓	✓					
☐ 85720BC	PDC measurements personality upgrade kit: B to C		✓	✓	✓	✓	✓					
☐ 85720C	PDC measurements personality with modulation accuracy ¹⁹		✓	✓	✓	✓	✓					
☐ 85721A	Cable TV measurements personality with video tests ^{11,18,15}	Std	✓	✓	✓	✓	✓	✓	✓	✓		
☐ 85722B	DCS1800 measurements personality with modulation accuracy			✓	✓	✓	✓					
☐ 85723A	DECT measurements personality			✓	✓	✓	✓					
☐ 85724A	Broadcast measurements personality	✓	✓	✓	✓	✓	✓					
☐ 85725C	CDMA measurements personality		✓	✓	✓	✓	✓					
☐ 85725CU	CDMA measurements personality upgrade kit: B to C		✓	✓	✓	✓	✓					
☐ 85726AB	PHS measurements personality upgrade kit: A to B			✓	✓	✓	✓					
☐ 85726B	PHS measurements personality with modulation accuracy			✓	✓	✓	✓					
☐ 85727A	GSM Multi-band measurement personality			✓	✓	✓	✓					
☐ 85727AU	GSM Multi-band upgrade			✓	✓	✓	✓					

PC Software

☐ 85921B	Cable TV data management S/W for FCC ³¹	✓	✓ ³³	✓ ³³	✓ ³³	✓ ³³	✓ ³³	✓ ³³	✓ ³³	✓ ³³		
☐ E4444A	Benchlink spectrum analyzer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Agilent 8590 C/E/L/Q and EM Series Accessories

For Scalar Measurements

- **85630A** Scalar 50 Ohm transmission/reflection test set
- **86205A** 50 Ohm RF bridge (type-N(f), 300 kHz to 6 GHz, 1.5 dB +0.1 dB/GHz insertion loss)
- **86207A** 75 Ohm RF bridge (type-N(f), 300 kHz to 3 GHz, 1.5 dB +0.1 dB/GHz insertion loss)

For EMC Measurements

- **11945A** Close field probe set (9 kHz to 1 GHz) (with Option E51)¹⁶
- **11947A** Transient limiter (BNC(f) to type-N(m), 9 kHz to 200 MHz, 10 dB insertion loss)

Printers and Accessories

Most Hewlett-Packard DeskJet and LaserJet (PCL 3 compatible) printers are compatible with 8590 series spectrum analyzers. Printer compatibility chart is on the internet web site at www.agilent.com/find/pcg/

- **10833A** GPIB cable (1 meter)
- **24542U** RS-232 cable 3 meter (9 pin F to 9 pin F) Option 043 only (for RS-232 9 pin PC connection to analyzer)
- **24542G** RS-232 cable 3 meter (25 pin M to 9 pin F) Option 043 only (for RS-232 25 pin PC or printer connection to analyzer)
- **24542M** RS-232 cable 3 meter (25 pin M to 9 pin F) Option 043 only (for RS-232 25 pin modem connection to analyzer)
- **C2932A** RS-232 cable 3 meter (9 pin M to 9 pin F) Option 043 only (for serial 9 pin LaserJet 4P/4Plus connection to analyzer)
- **13242G** RS-232 cable (5 meter) (for Option 023 only)
- **C2950A** Parallel printer cable (2 meter)
- **ITEL-45CHVUB** GPIB/Parallel converter (North America, Japan, Korea, and Taiwan)
- **ITEL-45CHVEB** GPIB/Parallel converter (Continental Europe, U.K., Australia, and South Africa) (requires F1011A AC adapter)

Amplifiers and Preamplifiers

- **8447D** Preamplifier (100 kHz to 1.3 GHz, >25 dB gain)
- **8449B** Preamplifier (1 GHz to 26.5 GHz, 30 dB gain)
- **10855A** Broadband preamplifier (2 MHz to 1300 MHz, 22 dB gain)
- **85905A** 75 Ohm preamplifier (45 MHz to 1 GHz, 20 dB gain)
- **87405A** Amplifier (10 MHz to 3 GHz, 22 dB gain)
- **87415A** Amplifier (2 GHz to 8 GHz, 25 dB gain)

Other Accessories

- **D4950A** Keyboard
- **346B** Noise source (BNC(f) to APC 3.5(m), 10 MHz to 18 GHz)
- **11693A** Limiter (type-N(f) to type-N(m), 0.1 GHz to 12.4 GHz, <2.0 dB insertion loss)
- **11694A** 75/50 Ohm matching transformer (BNC(f) to BNC(m), 3 MHz-500 MHz, <.75 dB insertion loss)
- **0955-1020** 50 to 75 Ohm adapter. Same as Opt. 711
- **11742A** High frequency blocking capacitor (3.5mm(f to m)), 10 MHz to 26.5 GHz, .35 dB IL <12.4 GHz, .7 dB IL <26.5 GHz)
- **11852B** Order with Option C04, 75/50 Ohm min. loss pad (type-N(f) to type-N(m), DC to 2 GHz, 5.7 dB insertion loss)

- **11867A** RF Limiter (type-N(f) to type-N(m), DC to 1.8 GHz, <.75 dB insertion loss)
- **11930B** Power limiter (5 MHz to 6 GHz)
- **41800A** Active probe (5 Hz to 500 MHz)
- **85024A** High frequency probe (300 kHz to 3 GHz)
- **85901A** Portable AC power source
- **85902A** Burst carrier trigger
- **1420-0383** Memory card battery (CR 2016)
- **1494-0060** Rack slide for rack mount
- **08590-60369** RS-232/parallel connector assembly to convert Opt. 041 (GPIB) to Opt. 043 (RS-232)
- **08590-60368** GPIB/parallel connector assembly to convert Opt. 043 (RS-232) to Opt. 041 (GPIB)
- **9211-5604** Transit case
- **5062-4841** Rack mount without handles²⁰ (centers instrument in rack)
- **5062-4840** Rack mount with handles²⁰ (centers instrument in rack)
- **5062-8240** Rack mount with handles²⁰ (mounts instrument left of center)
- **5062-8241** Rack mount without handles²⁰ (mounts instrument left of center)
- **5180-9055** CRT viewing hood (sun shield)
- **5063-0654** Frequency accuracy retrofit kit for 8590B and 8590D

Agilent 8590 C/E/L/Q-Series Manuals

- 08590-90234 8590 E/L Series user's guide
- 08590-90243 8590 E/L Series quick reference guide
- 08590-90235 8590 Series programmer's guide
- 5960-6588 8590 E/L Series quick reference guide in French
- 5960-6590 8590 E/L Series quick reference guide in German
- 5960-6592 8590 E/L Series quick reference guide in Italian
- 5960-6594 8590 E/L Series quick reference guide in Spanish
- 5960-6596 8590 E/L Series quick reference guide in Japanese
- 08590-90260 8590 E/L Series user's guide for Taiwan in Chinese
- 08590-90261 8590 E/L Series user's guide for China in Chinese
- 5962-5001 8590 E/L Series user's guide in French
- 5962-5002 8590 E/L Series user's guide in German
- 08590-90286 8590 E/L Series user's guide in Italian
- 5962-5004 8590 E/L Series user's guide in Spanish
- 08590-90269 8590L calibration guide
- 08594-90183 859x C/E Series calibration guide
- 08592-90082 8592L calibration guide
- 5963-2950 8590 C/E/L/Q Series assembly level repair guide
- 5963-2951 8590 C/E/L/Q Series component level repair guide
- 08591-90129 8591C Cable TV analyzer user's guide, spectrum analyzer reference
- 08591-90176 8591C Cable TV analyzer user's guide, cable TV measurements
- 08591-90130 8591C getting started and quick reference guide

Agilent 8590 C/E/L/Q and EM Series Notes

1. For more information please contact your local Agilent sales representative.
2. 8593 EM only
3. Quasi-peak detection and AM/FM demodulator is standard on 8590 EM-series and has additional capacity compared to Option 103.
4. Programming manual included
5. Options 101 and 102 required for TV sync trigger capability. See Option 301.
6. 85717A measurement personality required
7. 85719A measurement personality required
8. ABF Quick reference and user's guides in French
ABD Quick reference and user's guides in German
ABZ Quick reference and user's guides in Italian
ABE Quick reference and user's guides in Spanish
ABJ Quick reference guide in Japanese
AB0 Quick reference guide for Taiwan in Chinese
AB2 Quick reference guide for China in Chinese
9. An incremental cost will be added to the base price of Options W30/W32/W34/W50/W52/W54 for an 859xC/E/L/Q containing Options 010, 011, or 130.
10. Parts only kits. No installation included. May require new analyzer firmware.
11. Option 003 (card reader) on the 8590L, 8592L and 8594L is required.
12. For more information on EMC products and configurations see lit. number 5964-6089E.
13. Refer to measurement personality product literature for required 8590 series option configuration.
14. Except 8591 EM
15. Video tests not supported on 8590L, 8592L or 8594L.
16. Option E51 comes with preamplifier, carrying case, cables and connectors.
17. Tracking generator retrofit requires factory installation of Option K10.
18. Cable TV measurements are formatted for local country's cable TV standards.
19. Modulation accuracy measurements not supported on 8591E.
20. Rack height is 8.75 inches.
21. Not for analyzer operation while in carrying case
22. Options 021, 023 and 024 or 041 and 043 cannot be combined.
23. Not compatible with Option 107
24. Not compatible with other demodulator options (102, 103, 110, 112, or 301).
25. Compatibility with 8591E limited to CDMA applications only
26. Compatible with serial prefixes 3523A or 3525U and higher
27. Compatible with serial prefixes lower than 3523A or 3525U
28. If Options 009 and 010 are combined on the 8593E/94E/95E/96E or 8590 EM series; only one option card slot is required.
29. Not compatible with Options 101 and 301
30. Requires Option 111. Not compatible with 8591E.
31. NTSC Cable TV analyzers only
32. Option 107 is not compatible with Option 180.
33. 85721 Cable TV measurement personality required
34. 11770A Link measurements personality required. Do not order Option 010 with Option 111.
35. Option 160 and 163 are not compatible.

Agilent Technologies' Test and Measurement Support, Services, and Assistance

Agilent Technologies aims to maximize the value you receive, while minimizing your risk and problems. We strive to ensure that you get the test and measurement capabilities you paid for and obtain the support you need. Our extensive support resources and services can help you choose the right Agilent products for your applications and apply them successfully. Every instrument and system we sell has a global warranty. Support is available for at least five years beyond the production life of the product. Two concepts underlie Agilent's overall support policy: "Our Promise" and "Your Advantage."

Our Promise

"Our Promise" means your Agilent test and measurement equipment will meet its advertised performance and functionality. When you are choosing new equipment, we will help you with product information, including realistic performance specifications and practical recommendations from experienced test engineers. When you use Agilent equipment, we can verify that it works properly, help with product operation, and provide basic measurement assistance for the use of specified capabilities, at no extra cost upon request. Many self-help tools are available.

Your Advantage

"Your Advantage" means that Agilent offers a wide range of additional expert test and measurement services, which you can purchase according to your unique technical and business needs. Solve problems efficiently and gain a competitive edge by contracting with us for calibration, extra-cost upgrades, out-of-warranty repairs, and on-site education and training, as well as design, system integration, project management, and other professional services. Experienced Agilent engineers and technicians worldwide can help you maximize your productivity, optimize the return on investment of your Agilent instruments and systems, and obtain dependable measurement accuracy for the life of those products.

By internet, phone, or fax, get assistance with all your test and measurement needs.

Online Assistance

www.agilent.com/find/assist

Phone or Fax

United States:

(tel) 1 800 452 4844

Canada:

(tel) 1 877 894 4414

(fax) (905) 206 4120

Europe:

(tel) (31 20) 547 2323

(fax) (31 20) 547 2390

Japan:

(tel) (81) 426 56 7832

(fax) (81) 426 56 7840

Latin America:

(tel) (305) 269 7500

(fax) (305) 269 7599

Australia:

(tel) 1 800 629 485

(fax) (61 3) 9272 0749

New Zealand:

(tel) 0 800 738 378

(fax) (64 4) 495 8950

Asia Pacific:

(tel) (852) 3197 7777

(fax) (852) 2506 9284

Product specifications and descriptions in this document subject to change without notice.

Copyright © 1998, 2000 Agilent Technologies

Printed in U.S.A. 7/00

5963-6858E



Agilent Technologies

Innovating the HP Way



**400 + Manufacturers
40,000 + Products**

YOUR SINGLE SOURCE TEST & MEASUREMENT SOLUTION

**NEW & USED
TEST EQUIPMENT**

- Rent Equipment
- Sell Equipment
- Lease Equipment
- Trade-In Equipment

Spectrum analyzers • Mobile phone testers • Oscilloscopes
Network analyzers • Service monitors • OTDR
• Multimeters - at great savings!

www.testequipmentconnection.com

Sales@Testequipmentconnection.com

USA Voice: (800) 615-8378

Voice Direct: (407) 804-1299

Skype: TestEquipmentConnection

Test Equipment Connection Corporation is your single source test & measurement solution. We offer over 400 test equipment manufacturers including Agilent, Tektronix, Anritsu, Rohde & Schwarz, Advantest, Megger, LeCroy, Chroma and Fluke, plus thousands of New, Used, Second Hand, Pre-Owned, Demo, Refurbished, and Reconditioned test equipment products.

For over 18 years, we have been providing high quality spectrum analyzers, mobile phone testers, oscilloscopes, network analyzers, service monitors, RF amplifiers, broadband amplifiers, signal generators, OTDR, fusion splicers, and digital multimeters at great savings to over 200,000 customers worldwide. Lease or rent from us, and we can help manage your idle assets using our consignment program. Trade in underutilized test equipment for cash or credit towards the test solutions you need today! TEC offers repair and calibration support for thousands of current and discontinued brands. TEC's GSA Contract #GS-07F-0358U provides lower cost test and measurement equipment to qualifying government contractors and agencies.

www.TestEquipmentConnection.com

Americas USA & Canada:(800) 615-8378 Florida:(407) 804-1299 Mexico: 52-55-8421-4127 Chile: 2-897-4335 Brazil:301-32793 Fax: 800-819-8378 / 407-804-1277 Skype: TestEquipmentConnection Test Equipment Connection Corporation 30 Skyline Drive Lake Mary, FL 32746 USA	Europe United Kingdom: 20-8144-7837 Ireland: 1-442-8376 Sweden: 46-46-288-61-42 Denmark: 369-92915 Finland: 358-9-2316-3837 Belgium: +32 (2)808 0820 Test Equipment Connection Europe S.P.R.L. Levels 20, Bastion Tower 5 Place du Champ de Mars B-1050 Brussels	Asia/Pacific China: 86-136-3217-2095 Hong Kong: 852-2690-1360 Singapore: 65-6320-8596 Australia: 61-2-8011-3687 Skype: TEConnectionAsia TE Connection Asia, Ltd. Unit E4, 7/F., Phase I, Kaiser Estate, No. 41 Man Yue Street Kowloon, Hong Kong. Test Equipment Connection Pte. Ltd. 6 Battery Road #31-00 Standard Chartered Bank Building Singapore 049909
--	---	--



[Click Here to Request an Offer on Your Surplus Test and Measurement Assets Today](#)