

Firmware Note

HP/Agilent 8590-Series Spectrum Analyzers and HP/Agilent 8591C TV Analyzer



Part Number 08590-90324 Supersedes: 08590-90306

Printed in USA March 2001

Notice.

The information contained in this document is subject to change without notice.

Agilent Technologies makes no warranty of any kind with regard to this material, including but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Agilent Technologies shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material.

Microsoft® is a U.S. registered trademark of Microsoft Corp.

HP/Agilent 8590 E-Series, and L-Series Spectrum Analyzers and HP/Agilent 8591C Cable TV Analyzer Firmware Revisions

The firmware revision datecode installed in the HP/Agilent 8590 E-Series, and L-Series spectrum analyzers and HP/Agilent 8591C cable TV analyzer is indicated in the active function block after turning the instrument on. The firmware revision datecode for your particular analyzer can also be found, without cycling power, by pressing **CONFIG, More 1 of 3, SHOW OPTIONS**. The datecode is displayed in the form YYMMDD where Y stands for year, M stands for month, and D stands for day. If your instrument has firmware with a datecode of 27.10.92 or earlier, the datecode will be displayed in the form DD.MM.YY. The ROM set can consist of either 2 ROMs, 2 megabits each (U7 and U24) or 4 ROMs, 1 megabit each (U6, U7, U23, and U24). Refer to the following table.

Firmware		ROM Part Number				Firmware Revision History
Rev	Datecode	U6	U7	U23	U24	
M*	991130	08590-80258	08590-80259	08590-80260	08590-80261	Updated to display the Agilent logo.
L	980615	08590-80253	08590-80254	08590-80255	08590-80256	This firmware is Y2K compliant with user-performed adjustment. See the HP/Agilent Y2K database at http://y2kweb.rose.hp.com for details. It also fixes scaling error for amplitude values entered with default units. Supports the HP/Agilent 8594L.
K	95.09.14	08590-80244	08590-80245	08590-80246	08590-80247	Fixes the following firmware defects: RAM card, lost Option 105, CAL data loss, DLP erasure, blank-screen lockup, Default 48, and trace purge address off by 1. Baudrate now displays 5 digits. 100 dpi or 300 dpi selectable from print menu to match printer.
J	95.03.08	08590-80240	08590-80241	08590-80242	08590-80243	Corrects group delay problem. Corrects NTSC sync problem.
I	95.02.21	08590-80233	08590-80234	08590-80235	08590-80236	Intro of 2X memory (4 2-megabit EEPROMS). Supports DeskJet 540C, the new RS-232 and Xon-Xoff, and the dual I/O (Options 040 and 043). Fixes H81 so it powers up correctly.

Firmware		ROM Part Number				Firmware Revision History
Rev	Datecode	U6	U7	U23	U24	
H†	94.08.22 or this set	08590-80228	08590-80226 08590-80229	08590-80230	08590-80227 08590-80231	Fixes limit line last point, plotting special characters above 127. Extra delay for CMOS HP-IB. Eliminates automatic erase for option information, i.e., 105, L-Series, 91C, DLP symbol table, power up units, and input Z. Fixes single sweep hangup from front panel with RPG change of start frequency. Improves video averaging restart.
G	94.03.15 or this set	08590-80218	08590-80216 08590-80219	08590-80220	08590-80217 08590-80221	Supports parallel printer and Option 024. Adds support for HP DeskJet color printers. This is the first revision for the HP/Agilent 8590L Series analyzers.
F	93.09.23 or this set	08590-80209	08590-80214 08590-80210	08590-80211	08590-80215 08590-80212	Supports the UFPR option and adds support for Option 107 (TV receiver measurements). Revision F is the first revision for the HP/Agilent 8591C cable TV analyzer.
E	93.05.06 or this set	08590-80201	08590-80207 08590-80202	08590-80203	08590-80208 08590-80204	Supports DECT and Digital Demod Options. Adds units menu, illegal commands, memory management/ERASE, configure printers, supports TV tuner functions, controls RF preamp, fixes linear mode clipping and slow power-up. Supports Epson small and large printers.
D	27.10.92	08590-80194	08590-80195	08590-80196	08590-80197	Supports the group delay card and gated video Rev. B. Enabled marker count if RBW < 300 Hz.
C	01.07.92	08590-80190	08590-80191	08590-80192	08590-80193	Improves the power-up sequence. Changes the way the DATA terminator keys operate.
B	01.06.92	08590-80182	08590-80183	08590-80184	08590-80185	Fixes RPG problems. Allows negative flatness correction numbers.
A	20.3.92	5181-5084	5181-5085	5181-5086	5181-5087	First revision.
<p>* Firmware upgrade kit part number is 08590-60422 for 08590-60342 and later processor boards.</p> <p>† Firmware upgrade kit part number is 08590-60372 for 5062-8276 and 08590-60229 processor boards.</p>						

HP/Agilent 8590 E-Series and L-Series Spectrum Analyzers Measurement Personalities and Firmware Revision Compatibility

The following table indicates the compatibility between the E-Series and L-Series spectrum analyzers measurement personalities and various firmware revisions.

DLP	Description of Personality	DLP Revision	90 L	91 E	92 L	93 E	94 E	94 L	95 E	96 E
85712D	EMC Measurements Personality	A.00.01		X		X	X		X	X
85713A	Digital Radio Measurements Personality	B.00.01			X	X	X	X	X	
85714A	Scalar Measurements Personality	A.01.01	X		X	X	X	X	X	
85715B	GSM Measurements Personality	A.01.02		X		X	X		X	X
85717A	CT2 Personality	A.00.04		X		X	X		X	X
85718B	NADC-TDMA Measurements Personality	B.00.00 [†]		X		X	X		X	X
85719A	Noise Figure Measurements Personality	A.00.03		X		X	X		X	X
85720C	PDC Measurements Personality	A.00.01		X		X	X		X	X
85721A	Cable TV Measurements Personality	A.01.02 [‡]	X	X	X	X	X	X	X	X
85722B	DCS 1800 Measurements Personality	A.00.00*		X		X	X		X	X
85723A	DECT Measurements Personality	A.00.00 [†]		X		X	X		X	X
85724A	Broadcast TV Measurements Personality	B.01.01		X		X	X		X	X
85725C	CDMA Measurements Personality	C.00.03		X		X	X		X	X
85726B	PHS Measurements Personality	B.01.00		X		X	X		X	X
85727A	GSM Multi-Band Measurements Personality	A.01.00		X		X	X		X	X

* Requires firmware with a datecode of 01.06.92 or later.

[†] Requires firmware with a datecode of 93.05.06 or later.

[‡] Requires firmware with a datecode of 93.09.23 or later.