SUPERSEDES: NONE

E5100A/B Network Analyzer

Firmware Revision: 2.10 and below

Modification to fix list table editor problem that the list cannot be edited correctly when NOP is set to over 801

To Be Performed By: HP-qualified personnel

Parts Required:

Need one of the following firmware disks:

1. HP P/N E5100-180xx (FW DISK #509)
   For: Firmware revision before modification ... REV.2.10 and below
   Installed option .... Option 509

2. HP P/N E5100-181xx (FW DISK 1BW)
   For: Firmware revision before modification ... REV.2.10 and below
   LCD display type ....Black and white
   Maximum number of sweep points .... 801 or 401

3. HP P/N E5100-182xx (FW DISK 1CL)
   For: Firmware revision before modification ... REV.2.10 and below
   LCD display type .... Color
   Maximum number of sweep points 401

DATE: September 1998

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:				
MODIFICATION RECOMMENDED				
ACTION CATEGORY:	☐ IMMEDIATELY ■ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: LABOR 1.0 Hours		
LOCATION CATEGORY:	☐ CUSTOMER INSTALLABLE ☐ ON-SITE ■ HP LOCATION	SERVICE INVENTORY: ☐ RETURN ■ SCRAP ☐ SEE TEXT	USED PARTS:	☐ RETURN ■ SCRAP ☐ SEE TEXT
AVAILABILITY: PRODUCT'S SUPPORT LIFE		HP RESPONSIBLE UNTIL: September 2000		
AUTHOR: KI	ENTITY:	ADDITIONAL INFORMATION:		

HEWLETT®
PACKARD

4. HP P/N E5100-183xx (FW DISK 2BW)
  For: Firmware revision before modification ... REV.2.10 and below
       LCD display type .... Black and white
       Maximum number of sweep points 1601

5. HP P/N E5100-184xx (FW DISK 2CL)
  For: Firmware revision before modification ... REV.2.10 and below
       LCD display type .... Color
       Maximum number of sweep points 1601

Notes:

* "xx" should be the latest number. (It must be "04" or later.)
"04" is assigned for firmware revision 2.11 in which the
problem described in this service note was solved.
* Choose a correct firmware disk according to the installed
option, LCD display type, and maximum number of sweep points
of the HP E5100A/B.Installing incorrect firmware may cause seri-
ous trouble to the HP E5100A/B.
* Firmware revision 3.00 or later (HP P/N E5100-185xx) should
NOT be installed into the HP E5100A/B which currently has
firmware revision 2.xx or below without hardware modification.
Installing REV.3.xx without required hardware modification
may cause serious trouble to the HP E5100A/B. To install the
firmware revision 3.00 or later into the unit, the HP E5100A/B
must be modified using a REV.3.xx upgrade kit. That hardware
modification is NOT covered by this service note.

Situation:

The list table for list sweep cannot be edited correctly when NOP (number of points) is set to
over 801. For instance, editing the list table may cause the following troubles:

  * Measurement frequency is arbitrarily set to unusual value.
  * The unit hangs up.

This problem is caused by a firmware bug on revision 2.10 and below, and it is fixed on revi-
sion 2.11.

Solution/Action:

This problem can be fixed by firmware update.

1.0. Firmware update procedure

1-1. Press [System],{MORE},{SERVICE MENU},{FIRMWARE REVISION} to confirm
that the unit has a firmware revision 2.10 and below.

1-2. Confirm that the firmware disk is correct one to update the firmware of the unit. (see the
part list of "Parts Required:")

1-3. Turn OFF the unit.

continued

1-4. While pressing [Preset] and [0] keys at the same time, turn ON the E5100A/B, and wait for a while until some {firmware update} softkey is appeared on the display.

1-5. Press {Firmware Update} softkey.

1-6. Insert the firmware disk into the floppy disk drive of the HP E5100A/B.

1-7. Press {OK} softkey.

1-8. Press {EXECUTE UPDATE} softkey.

1-9. Press {OK} softkey to start the firmware update.

Note:

It will take several minutes to complete the firmware update.
When the firmware update is completed, the unit automatically
executes preset operation.

2.0. Final operation check

2-1. Turn the E5100A/B ON and confirm that the unit passes power on selftest.

2-2. Press [System],{MORE},{SERVICE MENU},{EXECUTE TEST} to start self-diagnoses.

2-3. Confirm that the unit passes the self-diagnoses.