Installation Note

Firmware Revision Upgrade Kit (Option UE2) for Agilent Technologies ESA-E Series and ESA-L Series Spectrum Analyzers

Agilent Technologies

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Firmware Revision Upgrade Kit (Option UE2)

Products Affected:	ESA E4401B
	ESA E4402B
	ESA E4403B
	ESA E4404B
	ESA E4405B
	ESA E4407B
	ESA E4408B
	ESA E4411B
Serial Numbers:	US00000000/US99999999
Options:	UE2
To Be Performed By:	(X) Agilent Service Center
	(X) Personnel Qualified by Agilent
	(X) Customer
Estimated Installation Time:	0.5 Hours

Introduction

This kit contains the parts and instructions to install the Firmware upgrade. No tools are required.

Installation Kit Parts List

Option UE2 Firmware Upgrade Kit Contents

Item	Quantity	Description	Part Number
1	6	Firmware Loader Diskettes	none
2	1	Installation Note	this note

Procedure

CAUTION   Electrostatic discharge (ESD) can damage or destroy electronic components. All work on electronic assemblies should be performed at a static-safe workstation. Refer to the documentation that pertains to your instrument for information about static-safe workstations and ordering static-safe accessories.

1. Insert the ESA LOADER Disk in the floppy drive located under the hinged cover on the right-hand side of the analyzer.

2. Plug in the analyzer and cycle power. The firmware loading utility will automatically be loaded from the disk.

3. Follow the instructions on the analyzer display for installing the new firmware (F/W INST Disk 1, 2, 3, and 4). Press **Continue**. It will take approximately 5 minutes to load each disk.

4. After you cycle power, you will be prompted to insert the power suite diskette.

5. Insert the ESA POWER SUITE Disk into the analyzer floppy drive.

6. Press **Okay**.

    The Power Suite measurement software will now be installed into the instrument. It will take about 15 minutes to load. A status bar will appear on the display to inform you of the installation progress.

7. Remove the ESA POWER SUITE Disk from the floppy drive.

8. When the installation is complete, press the green **Preset** key on the front panel.

9. For all analyzers except models E4401B and E4411B, connect a BNC cable from the **AMPTD REF OUT** to **INPUT**.

10. Press **System**, **Alignments**, **Align Now**, **All**.

    Wait until the alignment process is finished. The analyzer will perform three complete alignment sequences.

11. The firmware upgrade procedure is now complete. To verify the new firmware revision, press **System**, **More 1 of 3**, **Show System**. The fourth line of the list shows the current firmware revision, which should now be the version labelled on the F/W INST Disk 1, 2, 3, and 4.

12. Press **ESC** to return to the analyzer display.