Installation Note

Agilent Technologies
EMC Analyzers Firmware
Upgrade Kit

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Firmware Revision Upgrade Kit

Products Affected:	E7401A E7402A E7403A E7404A E7405A
Serial Numbers:	US00000000/US99999999 MY00000000/MY99999999
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

Firmware Upgrade Kit Contents

Item	Quantity	Description
1	1	Firmware Installation Disk Set
2	1	Installation note
3	1	EMC CD-ROM documentation set

NOTE   Setups and states that were saved with a previous version of firmware (A.02.00) while the Zone function was turned On, will not load with the upgraded firmware. Prior to upgrading your firmware, perform the following:

1. Individually load any setup or state that was saved with the Zone function turned On.

2. Turn the Zone function Off.

3. Re-save the setup or state.

After installing the new firmware, you can individually load setups and states, turn the Zone function back On, and re-save them.

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.

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1. Insert the EMC Loader disk in the floppy drive located under the hinged cover on the right side of the analyzer.

2. Plug in the analyzer and turn it On. The firmware loading utility will automatically be loaded from the disk.

3. Follow the instructions on the analyzer display for installing the new firmware. It will take approximately 5 minutes to load each disk.

4. After you cycle power, if you do not have the latest version of the EMI Measurement software, you will be prompted to insert the EMI Measurement disk. If you do not receive this prompt, go to step 8, below.

5. Insert the EMI Measurement disk into the analyzer floppy drive.

6. Press **Okay**.

   The EMI Measurement software will be installed into the instrument. It will take about 5 minutes to load. A status bar will appear on the display to inform you of the installation progress.

7. When the installation is complete, remove the EMI Measurement disk, and cycle the instrument power.

8. For all analyzers except model number E7401A, connect a BNC cable from the **AMPTD REF OUT** to **INPUT**.

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

   The analyzer will perform three complete alignment sequences. Wait until the alignment processes are finished.

10. The firmware upgrade procedure is complete. To verify the new firmware revision, press **System**, **More**, **Show System**. The fifth line of the list will show the current firmware revision, that should be the version labelled on the installation disks.

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