

S E R V I C E N O T E

SUPERSEDES: 89431A-01

89431A RF Section**Serial Numbers:** 0000A00000 / 3415A00223**89431A firmware revision history****To Be Performed By:** Agilent-Qualified Personnel or Customer**Parts Required:**

Part No.	Description
89400-84401	89441A Firmware Update

Situation:

The firmware update kit contains the 89400 Firmware Update Disks which are used to update the firmware for the 89441A IF Section and RF section. The IF Section of the 89441A system is the 89410A and the RF section is the 89431A.

Continued

DATE: December 1994

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION AVAILABLE

ACTION CATEGORY:	AGREEABLE TIME	<input type="checkbox"/> PERFORMANCE ENHANCEMENT <input checked="" type="checkbox"/> SERVICE/RELIABILITY ENHANCEMENT
LOCATION CATEGORY:	<input checked="" type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER	AVAILABLE UNTIL: December 1996
AUTHOR: CMG	ENTITY: A100	ADDITIONAL INFORMATION:

The firmware update kit can also be ordered as U option:

89441U option UE2

Here is a list by revision of important changes:

A.00.04

Resolved defect:

- LO Unlock after calibration

A.00.03

Resolved defect:

- Intermittent LO calibration failures.

A.00.02

Resolved defect:

- The analyzer's RF calibration routine occasionally causes the RF section to start executing from random places in its memory

A.00.01

This is the first code shipped to customers.

Solution/Action:

STEP 1. Determine if the analyzer needs the firmware upgrade.

1. Set the RF section's power switch to ON.
2. Set the IF section's power switch to ON
3. After the analyzer finishes its power-up calibration routine, press the following keys:
[System Utility]
[more]
[firmware version]
4. If the Revision ID code for the 89431A is A.00.02 or greater, you do not need to update the firmware. Do not perform STEP 2.

STEP 2. Order firmware update kit for your analyzer and install new firmware.

The firmware installation procedure for the 89441A is straightforward. The 89441A is equipped with reprogrammable operating firmware which can be reprogrammed using the analyzer's internal disk drive.