

S E R V I C E N O T E

SUPERSEDES: None

89410A Vector Signal Analyzer**Serial Numbers:** 0000A00000/US40514521**Modifications to A20 ADC assembly require new repair strategy.****Situation:**

To improve the margin of units failing the manufacturing amplitude linearity test, a modification has been implemented on the A20 ADC assembly with date code 4103 or greater. If the instrument has option AY7, a second input channel, then this modification must be the performed on both A20 ADC assemblies. This modification also requires firmware revision A.08.23 or greater to be installed.

Solution:

1. When replacing an A20 ADC assembly upgrade the firmware version to A.08.23 or greater. Firmware upgrades are available on the web using the URL <http://www.agilent.com/find/89400> or upgrade kits can be purchased using part number 89400-84401. To verify the firmware version that is installed press System Utility, more, firmware version.
2. When replacing an A20 ADC assembly in an instrument with option AY7, second input channel, verify that the ADC revision levels are compatible. Cycle the power on the 89410A while holding down the '.' and '3' keys on the front panel. Continue to press the keys until Additional Hardware is displayed. The test log will now show the revision levels of Channel 1 ADC and Channel 2 ADC. A rev 5 (date code 4103) ADC or greater cannot be used with rev 1 through 4 ADC. Order exchange A20 assemblies for both channels if needed.

DATE: June 2001

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR:

DWH

ENTITY:

A100

ADDITIONAL INFORMATION:

PC0 #A100-10101431

