

S E R V I C E N O T E

SUPERSEDES: None

89410A Vector Signal Analyzer**Serial Numbers:** 0000A00000 / 3416A01416**Intermittent calibration failures****To Be Performed By:** Agilent-Qualified Personnel**Parts Required:**

| Part No. | Qty. | Description |
|-------------|----------|-----------------------|
| 89410-69520 | see text | Exchange ADC Assembly |

Situation:

Some intermittent calibration failures have been traced to a gate array die change on the A20 ADC assembly. The calibration failures may only occur once per week or less, but they will be recorded in the fault log. The portions of calibration that fail due to this problem are channel x pads, channel x flatness, and channel x dc gain, where x is the input channel failing. A20 ADC assemblies with date code 3550 or greater have been modified to eliminate this problem.

Continued

DATE: January 1996

ADMINISTRATIVE INFORMATION

| | | | |
|---------------------------------|---|--|---|
| SERVICE NOTE CLASSIFICATION: | | | |
| MODIFICATION RECOMMENDED | | | |
| ACTION CATEGORY: | <input type="checkbox"/> IMMEDIATELY <input checked="" type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME | STANDARDS: Labor 1.0 Hour | |
| LOCATION CATEGORY: | <input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER | SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT | USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input checked="" type="checkbox"/> SEE TEXT |
| AVAILABILITY: | PRODUCT'S SUPPORT LIFE | | AGILENT RESPONSIBLE UNTIL: January 1998 |
| AUTHOR: DWH | ENTITY: A100 | ADDITIONAL INFORMATION: PCO A!-9512035 | |

Solution/Action:

Step 1. Press the following keys to view the fault log.

[System Utility]
[more-]
[diagnostics-]
[service functions]
[1125] (if required)
[enter] (if required)
[fault log-]

Step 2. If the fault log shows multiple calibration failures with the following messages, and the failure is not repeatable, then the A20 for the failing channel(s) should be replaced.

Channel x pads
Channel x flatness
Channel x dc gain
where x = the failing input channel

Step 3. Replace the A20 assembly using the procedure in chapter 3 of the 89410A service guide.

Step 4. Clear the fault log by pressing the following keys:

[System Utility]
[more-]
[diagnostics-]
[service functions]
[1125] (if required)
[enter] (if required)
[fault log-]
[clear fault log]