

S E R V I C E N O T E

SUPERSEDES: None

**8920A RF Communications Test Set**

**Serial Numbers:** 3141A00996 / 3211A01331

**Intermittent Oscillation of Spectrum Analyzer (Option 002)**

**Duplicate Service Notes:** None

**Parts Required:**

08920-69026, Exchange Assembly, A18 Spectrum Analyzer

**Situation:**

A problem has been noted in the A18 Spectrum Analyzer assembly which can result in a screen (CRT) full of noise or mis-calibration. The problem has been traced to parasitic oscillations caused by improper capacitive loading of the output buffer stage.

The following instruments are affected by this problem (Billings will NOT be accepted for units other than the serial numbers listed below):

**8920A Serial Numbers:**

|            |            |            |               |
|------------|------------|------------|---------------|
| 3141A00996 | 3207A01071 | 3207A01222 | 3207A01235    |
| 3207A01236 | 3207A01244 | 3207A01245 | 3207A01267-71 |
| 3207A01275 | 3207A01279 | 3207A01280 | 3207A01283    |
| 3207A01286 | 3211A01300 | 3211A01331 |               |

*Continued*

DATE: 26 June 1992

ADMINISTRATIVE INFORMATION

|                                 |   |   |   |
|---------------------------------|---|---|---|
| SERVICE NOTE CLASSIFICATION:    |   |   |   |
| <b>MODIFICATION RECOMMENDED</b> |   |   |   |
| ACTION CATEGORY:                | <input type="checkbox"/> IMMEDIATELY<br><input checked="" type="checkbox"/> ON SPECIFIED FAILURE<br><input type="checkbox"/> AGREEABLE TIME | STANDARDS:                                | Labor 2.0 Hours   |
| LOCATION CATEGORY:              | <input type="checkbox"/> CUSTOMER INSTALLABLE<br><input type="checkbox"/> ON-SITE<br><input checked="" type="checkbox"/> SERVICE CENTER     | SERVICE INVENTORY:                        | <input checked="" type="checkbox"/> RETURN<br><input type="checkbox"/> SCRAP<br><input type="checkbox"/> SEE TEXT |
| AVAILABILITY:                   | PRODUCT'S SUPPORT LIFE  | USED PARTS:                               | <input checked="" type="checkbox"/> RETURN<br><input type="checkbox"/> SCRAP<br><input type="checkbox"/> SEE TEXT |
| AUTHOR: LHL                     | ENTITY: 1000  | AGILENT RESPONSIBLE UNTIL: 01 August 1997 |   |
|                                 |   | ADDITIONAL INFORMATION:                   |   |

**Solution/Action:**

The A18 Spectrum Analyzer assembly has been re-designed to solve this problem. Replace the A18 Spectrum Analyzer assembly with an exchange assembly (see Parts Required). Chapter 10 of the 8920A Assembly Level Repair Manual contains removal and installation instructions for the A18 assembly. Re-calibration of the instrument is not required.