

S E R V I C E N O T E

SUPERSEDES: NONE

8922 GSM Test Sets.

Serial Numbers: 0000A00000 / 9999Z99999

Modulation Distribution board modified to account for Potential Audio Diagnostic failures.

Duplicate Service Notes:

- 8922A-03
- 8922B-03
- 8922E-03
- 8922F-02
- 8922G-03
- 8922H-02
- 8922M-08
- 8922P-05
- 8922R-02
- 8922S-03
- 8922X-05
- 8922Y-02

To Be Performed By: Agilent-Qualified Personnel
Customer

Continued

DATE: September 1999

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 0.5 Hours |
| LOCATION CATEGORY: | <input type="checkbox"/> CUSTOMER INSTALLABLE <input checked="" type="checkbox"/> ON-SITE <input type="checkbox"/> SERVICE CENTER | SERVICE INVENTORY: | <input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT |
| | | USED PARTS: | <input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT |
| AVAILABILITY: | PRODUCT'S SUPPORT LIFE | AGILENT RESPONSIBLE UNTIL: September 2001 | |
| AUTHOR: DO | ENTITY: E600 | ADDITIONAL INFORMATION: | |



Parts Required:

| P/N | Description | Quantity |
|-------------|------------------------|----------|
| 08922-69164 | Refurb. Mod. Dist. Bd. | 1 |

Situation:

Audio Diagnostic Test failures seen in the field

Audio Analyser 1 - Internal Paths Test

| | Lower | Upper | Actual |
|---------------------------|-------|-------|---------|
| AC, Gain = 100, Range Det | 1.553 | 1.898 | 2.271** |

This test applies a 50mVpp sine wave to the Audio 1 board. Since it is a relatively low level signal (compared with the Gain =10 (0.5Vpp), Gain =1 (5Vpp)) it is susceptible to noise. The fault was diagnosed as due to a high noise contribution from U402 (TL072). Replacing with 1826-3000 (OP275GS) Low Noise Amp solved the problem. This fault does not affect the performance of the unit.

Solution / Action:

Replace the Modulation Distribution Board (A4) (08922-60164) with refurbished board (08922-69164) The replacement part is an exchange part. Old board must be returned to QMD to receive the refurbished board.