

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:			
<b>MODIFICATION RECOMMENDED</b>			
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:**

<b>P/N</b>	<b>Description</b>	<b>Quantity</b>
08922-69164	Refurb. Mod. Dist. Bd.	1

**Situation:**

Audio Diagnostic Test failures seen in the field

Audio Analyser 1 - Internal Paths Test

	<b>Lower</b>	<b>Upper</b>	<b>Actual</b>
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.