

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.