S E R V I C E   N O T E

SUPERSEDES: None

8920A RF Communications Test Set

Serial Numbers: 3248A02521 / 3248A02556

Modification To Correct Tone/Digital Signaling (Option 004) Functionality

Duplicate Service Notes: 8921A-02

Parts Required: 08920-90122, Memory Card

Situation:
A problem has been identified that may cause incorrect operation of certain Option 004 (Tone/Digital Signaling) capabilities. Instruments with this problem will not indicate that LTR and EDACS (see note) digital signaling formats are available. Units without Option 004 are not affected by this problem.

Note: EDACS is available only with firmware revision A.09.04 and above.

The problem is that an un-initialized EEPROM on the Modulation Distribution assembly (08920-60309) prevents the instrument from selecting various internal pre-modulation audio filters.

Solution/Action:
An IBASIC program on a Memory Card is available to correct the operation of these instruments. After running the program it is recommended that ROM-based AF diagnostics be performed. Recalibration is not required.

Continued

DATE: 22 June 1993

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:					
MODIFICATION RECOMMENDED					
ACTION CATEGORY:	☐ IMMEDIATELY ☑ ON SPECIFIED FAILURE ☑ AGREEABLE TIME	STANDARDS: Labor 1.0 hour			
LOCATION CATEGORY:	☑ CUSTOMER INSTALLABLE ☐ ON-SITE ☑ SERVICE CENTER	SERVICE INVENTORY:	☐ RETURN ☑ SCRAP ☐ SEE TEXT	USED PARTS:	☐ RETURN ☑ SCRAP ☐ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: 01 July 1998			
AUTHOR: LHL	ENTITY: 1000	ADDITIONAL INFORMATION:			

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Use the following procedure to verify that the instrument has Option 004:
- Press the PRESET key
- Press the TESTS key
- Select Location: ROM
- Select Procedure: LIST_OPTS
- Press the k1 (Run Test) key
- Option 004 is installed if SIGNALING is listed

Use the following procedure to determine the installed firmware revision:
- Press the PRESET key
- Press the CONFIG key (Shift DUPLEX)
- Firmware revision is displayed in the upper right-hand corner of the CRT

Use the following procedure to verify if the instrument has this problem:
- Press the PRESET key
- Select To Screen: ENCODER (If Option 004 is not installed the instrument will beep and display 'Option not installed.')
- Select Mode:
- The instrument has the problem if LTR is not listed under Choices:

Use the following procedure to correct the problem:
- Press the PRESET key
- Insert the Memory Card into the instrument
- Press the TESTS key
- Select Location: Card
- Select Procedure: MOD_DATA
- Press the k1 (Run Test) key
- Verify that verification string "0123456781" is displayed
- Cycle instrument power (do not press PRESET)
- Verify that the LTR (and if applicable, EDACS) functions are available using the previous procedure