

S E R V I C E N O T E

SUPERSEDES: None

8920A RF Communications Test Set

Serial Numbers: 3010A00226 / 3123A00305

Modification to Resolve Low Sensitivity Problem of Antenna Input

Parts Required:

08920-69004, Exchange Assembly, A23 Input Section

Situation:

A problem has been noted in the A23 Input Section assembly which causes the overpower protection circuitry on the Antenna Input to randomly trigger. This opens a relay in series with the Antenna Input which causes a drop in the measured signal level of 20 dB. Instruments with firmware revision A.05.01 or later will detect this condition and issue a two-tone beep and display the following message on the CRT:

“ANT IN OVERPOWER. REDUCE INPUT POWER AND PUSH MEAS RESET.”

Pressing the MEAS RESET key will reset this condition, but the next random trigger will initiate another overpower detection sequence. NOTE: Earlier versions of firmware will not indicate to the user that an overpower condition has been detected and triggered.

Continued

DATE: 26 May 1992

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 2.0 Hour
LOCATION CATEGORY:	<input type="checkbox"/> CUSTOMER INSTALLABLE <input type="checkbox"/> ON-SITE <input checked="" type="checkbox"/> SERVICE CENTER	SERVICE INVENTORY:	<input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS:	<input checked="" type="checkbox"/> RETURN <input type="checkbox"/> SCRAP <input type="checkbox"/> SEE TEXT
AUTHOR: L.H.L	ENTITY: 1000	AGILENT RESPONSIBLE UNTIL: 1 July 1997	
		ADDITIONAL INFORMATION: Utilize standard SMO Exchange Assembly process.	

The following instruments are affected by this problem:

8920A Serial Numbers:

3010A00226
 3010A00233-235
 3010A00237-246
 3119A00247-268
 3119A00270-279
 3123A00280-282
 3123A00285
 3123A00287-295
 3123A00297
 3123A00300
 3123A00303-305

Solution/Action:

The A23 Input Assembly has been redesigned to solve this problem. Replace the A23 Input Assembly with an exchange assembly (see Parts Required). Chapter 10 of the 8920A Assembly Level Repair Manual contains removal and installation instructions for the A23 assembly. Re-calibration of the instrument is not required.

Check the date code on the A23 assembly before implementing this Service Note. Only A23 assemblies with date code 3049A, 3118A, 3120A, 3123A and 3124A have this problem. The date code is located on a label attached to the assembly's aluminum housing. Refer to the figure below to identify the date Code:

| ||| || || |||| || |||| |||| |||| << Bar Code
 S1000DS XXXX (004-YYYY) MADE IN USA
 \ /
 \ /
 Module
 Date Code