

S E R V I C E N O T E

SUPERSEDES: None

N8972A Noise Figure Analyzer
N8972-60002 Noise Figure IF Assembly

Serial Numbers: GB39490000 / GB39499999

Noise Figure IF Assembly Contains Incorrect Revision Number

Duplicate Service Notes: N8973A-02.

To Be Performed By: Agilent-Qualified Personnel

Situation:

Instruments can fail with "IF PLD error, Power detector read Timed Out" after being upgraded to the latest revision of firmware (A.01.01). The instrument is rendered inoperative.

Instruments affected by this problem can be identified by checking the Noise Figure IF revision number shown on the Show Hardware display. Press the System key, then More 1 of 3, then the Show Hdw key. Look under the list of Assembly Names for the Noise Figure IF and check the revision number shown. Affected instruments show a revision number of 03 F.

Continued

DATE: July 2001

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR:

DM

ENTITY:

E600

ADDITIONAL INFORMATION:



Solution / Action:

The correct revision number can be programmed into the Noise Figure IF assembly by sending the following GPIB commands.

1. Send - DIAG:SLOT? 15

2. The following data should be returned -

3,113,N897260002,xxxxxxxxxx,03,F,Noise Figure IF,,

xxxxxxxxxx is an 11 digit number which is the serial number of the Noise Figure IF assembly. Take a note of the serial number.

3. Send -

DIAG:SLOT 15,'3,113,N897260002,xxxxxxxxxx,01,B,Noise Figure IF,,'

Replace xxxxxxxxxxxx with the serial number of the Noise Figure IF assembly being programmed.

The command layout has to be exactly as shown.

4. Power cycle the instrument.