

S E R V I C E N O T E

SUPERSEDES: NONE

6653A System DC Power Supply**Serial Numbers:** 3006A00101 / 3234A01090**Modification to reduce Radiated RFI when replacing A2 GPIB board.****Duplicate Service Notes:**

6651A-03

6652A-03

6653A-03

6654A-03

6655A-03

To Be Performed By: Agilent-Qualified Personnel**Parts Required:**

Service Kit 5060-3589 Contains:

5060-3399 A2 GPIB PC Assy, SMT

9170-1497 Ferrite Core

5080-2168 Cable

1400-0493 Tie Wrap

1400-0528 Tie wrap mount

Continued

DATE: 30 November 1993

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

AUTHOR:

DF

ENTITY:

2100

ADDITIONAL INFORMATION:

Situation:

The A2 GPIB board has changed from a hole through pc assembly to Surface Mount. The new assembly 5060-3399 is a direct replacement for 5060-3317. When replacing the older assembly, a ferrite core has been added to the cable between the A2 GPIB board and the A1 Front Panel Board to insure the unit meets the radiated RFI specification.

Solution/Action:

Remove the top cover and replace the A2 pc assembly following the instructions in the service manual.

Attach the ferrite core to the adhesive backed mount using the tie wrap. Remove the protective backing and mount this assembly to the back of the front chassis adjacent to the telephone style connector on the A1 front panel pc board. Remove and discard the cable connecting two board. Install the new cable passing it through the center of the ferrite core two times. If the unit already has one core, add the second core in parallel with the first.

Replace the top cover and perform the Turn-On Checkout procedure in Chapter 3 of the Operating manual. Connect the unit to a GPIB controller and insure the supply responds to GPIB commands. Replacement of the GPIB board or the addition of the ferrite core will not affect unit calibration.