

4195A-15

S E R V I C E N O T E

SUPERSEDES: None

HP 4195A Network/Spectrum Analyzer

Serial Number:

0000J00000 / 2904J02615
0000A00000 / 2904A00525

Firmware Revision 2.00 and below

Modification to fix the incorrect plot-out

To Be Performed By: HP-Qualified Personnel

Parts Required:

HP Part No.	Qty.	Description
04195-86101	1	A6 ROM Set (Rev.2.10)
04195-86102	1	A8 ROM Set (Rev.2.10)

Situation:

In the Rectangular A-B format, the PLOT-OUT result might be incorrect. It happens in the parameter name and the DIV/BTM of the vertical B scale. The following is a example.

Continued

DATE: 05 February 1993

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

MODIFICATION RECOMMENDED

ACTION CATEGORY:	☐ IMMEDIATELY ☒ ON SPECIFIED FAILURE ☐ AGREEABLE TIME	STANDARDS: LABOR 1.0 Hours
LOCATION CATEGORY:	☐ CUSTOMER INSTALLABLE ☐ ON-SITE ☒ HP LOCATION	SERVICE INVENTORY: ☐ RETURN ☐ SCRAP ☐ SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	USED PARTS: ☐ RETURN ☒ SCRAP ☐ SEE TEXT
AUTHOR: MT	ENTITY: 3355	HP RESPONSIBLE UNTIL: 05 February 1995
ADDITIONAL INFORMATION:		

<Vertical>		<Vertical>
B : Ohm		B : X
REF		REF
180.0	----->	180.0
BTM		DIV
36.00		36.00
[Ohm]		[Ohm]
INCORRECT		CORRECT

Solution/Action:

This was fixed at the firmware revision 2.10 and above. Upgrade the old firmware to Rev.2.10.

Procedures:

1. Turn the HP 4195A ON. Check the firmware revision by entering the "REV?" from the front pannel.
2. Turn the HP 4195A OFF.
3. Remove the control unit's top cover and the shield plate.
4. Remove the A6 board which has the black and blue extractors.
5. Replace all ROMs (U4 through U14, and U20 through U30) with new ROMs.

ROM Location for A6 Board

A6U4	04195-85401	A6U20	04195-85402
A6U5	04195-85403	A6U21	04195-85404
A6U6	04195-85405	A6U22	04195-85406
A6U7	04195-85407	A6U23	04195-85408
A6U8	04195-85409	A6U24	04195-85410
A6U9	04195-85411	A6U25	04195-85412
A6U10	04195-85513	A6U26	04195-85514
A6U11	04195-85415	A6U27	04195-85416
A6U12	04195-85417	A6U28	04195-85418
A6U13	04195-85419	A6U29	04195-85420
A6U14	04195-85521	A6U30	04195-85522

6. Check if the A18 board is installed or not. If the A18 board is NOT installed, set the DIP switch A6SW1-7 to "ON".
7. Reinstall the A6 board.
8. If the old revision of the HP 4195A is Rev.2.00, skip steps 5 and 6.
9. Remove the A8 board which has the black and gray extractors.
10. Replace all ROMs (U1 through U6) with new ROMs.

ROM Location for A8 Board

A8U1	04195-85431	A8U2	04195-85432
A8U3	04195-85433	A8U4	04195-85434
A8U5	04195-85435	A8U6	04195-85436

11. Reinstall the A8 board.
12. Reinstall the top shield and the top cover.
13. Turn the HP 4195A ON. Execute the "REV?" again. Confirm that "REV2.10" is displayed on the HP 4195A display.