

4395A-18

S E R V I C E N O T E

Supersedes:
NONE

4395A Network/Spectrum/Impedance Analyzer

Serial Numbers: SG41100101/SG41100452
MY41100101/MY41101387

DC SOURCE output current cannot be shut off

This service note describes remedy for the symptom that the DC SOURCE output current cannot be shut off by setting DC OUT function to OFF when DC SRC [CURRENT] control mode is selected.

Parts Required:

None

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The firmware update to eliminate bug can be performed by Agilent-Qualified Personnel and customer.

Basically, it is recommended that customer download firmware Revision 1.12 or later version from Agilent Technologies website and install it in the 4395A.

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:

INFORMATION ONLY

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ADDITIONAL INFORMATION:

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Situation:

The 4395A with specified serial numbers exhibit the following symptom when internal DC SOURCE is set to DC SRC [CURRENT] control mode:

The DC SOURCE output current cannot be shut off by setting DC OUT On Off function to OFF. In the DC OUT OFF state, a DC current limited to within 2 mA is continuously output from DC SOURCE connector. When the load of the DC SOURCE output is open or greater than 20 k Ω , the output voltage reaches a maximum of 40 V DC.

(Note: Safety problem does not exist because the output current is limited to within safe level.)

Solution/Action:

This bug has been fixed on Firmware Revision 1.12.

When the 4395A is in for service because of the aforementioned symptom, update the 4395A firmware. (Install firmware Revision 1.12 or later version in the 4395A.)

The firmware update does not influence adjustments and performance test results.

Note: Since the 4395A firmware is customer upgradeable, it is recommended that customer install firmware Revision 1.12 or later version in the 4395A.