MODIFICATION RECOMMENDED –
CORRECTS MANUFACTURING OR DESIGN DEFECTS

N6762A-01

S E R V I C E N O T E

Supersedes:
NONE

N6762A 100W Precision DC Power Module

Serial Numbers: ALL

The low range current programming accuracy can drift out of specification despite the fact that the unit is within the one year calibration interval.

To Be Performed By: Agilent-Qualified Personnel or Customer

Parts Required:

P/N	Description	Qty.
NONE		

ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION: **MODIFICATION RECOMMENDED**			
ACTION CATEGORY:	[ ] IMMEDIATELY x ON SPECIFIED FAILURE [ ] AGREEABLE TIME	STANDARDS: LABOR: 0.5 Hours	
LOCATION CATEGORY:	x CUSTOMER INSTALLABLE [ ] ON-SITE [ ] SERVICE CENTER	SERVICE INVENTORY: [ ] RETURN [ ] SCRAP x SEE TEXT	USED PARTS: [ ] RETURN [ ] SCRAP x SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: obsolescence	
AUTHOR: MC	PRODUCT LINE: SP		
ADDITIONAL INFORMATION:			

Agilent Technologies

November 14, 2006

Situation:
Within the first year of operation, the low range current programming accuracy on the N6761A can drift out of specification. The error can be up to 30 uA. This will only be an issue for customers using the N6762A in Constant Current mode and the low current programming range below 7 V.

If the low current programming range is not being used, this will not be an issue. This accuracy drift will only effect applications that run in Constant Current (CC) mode. Current measurement accuracy is not affected.

This is only an issue in the first year of calibration and will not be an issue after a second calibration is performed. Once the unit has been calibrated this issue will be rectified, regardless of the time between the first factory calibration and the second calibration.

Solution/Action:
To see if this applies to a particular unit, first perform the step 6 of the performance verification test for Current Programming and Readback Accuracy that is described in the service manual. The only equipment required is an Agilent 3458A or equivalent digital multi-meter.

If the unit fails the performance verification, then perform the low range current calibration as described in the service manual. The only equipment required is an Agilent 3458A or equivalent digital multi-meter.

The service manual is located at:
http://cp.literature.agilent.com/litweb/pdf/5969-2938.pdf

If the unit is sent back to Agilent, only the low range current programming calibration will be covered by this service note.