

# E3632A-05

## S E R V I C E N O T E

Supersedes:  
NONE

### E3632A DC Power Supply

Serial Numbers: ALL

Output Regulation Symptom (UNREG) at 102Vac to 107Vac

**Parts Required:**

P/N	Description	Qty.
NONE		

### ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:	
<b>INFORMATION ONLY</b>	
AUTHOR: TL	PRODUCT LINE: WC
ADDITIONAL INFORMATION:	

© AGILENT TECHNOLOGIES, INC. 2011  
PRINTED IN U.S.A.

October 19, 2011

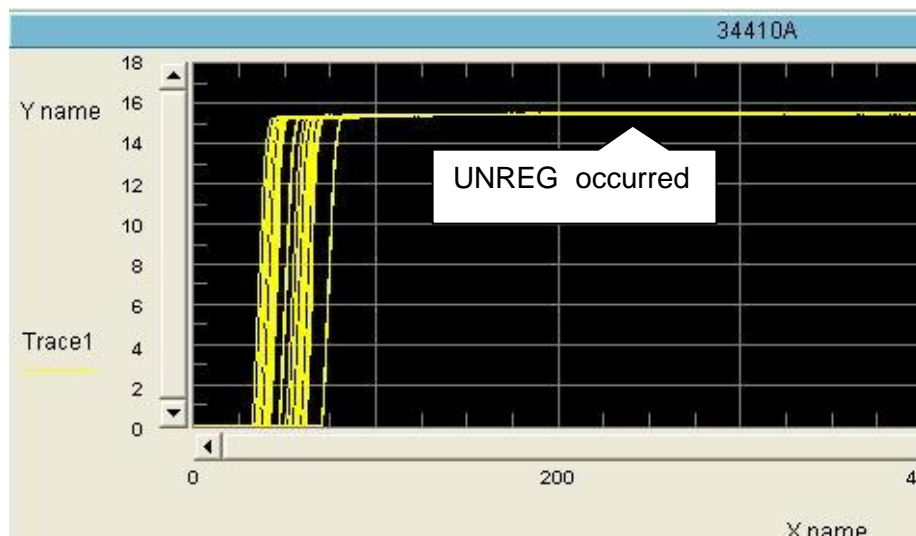
Rev. 18



**Situation:**

The E3632A has intermittent output regulation issue (UNREG) if the power supply output voltage changes from 0V to 15.7V-16.4V when using the following programming sequence at AC input power from 102Vac to 107Vac

```
*RST
VOLT:RANG P30V
VOLT 0
CURR 1
OUTPUT ON
// WAIT 10; set delay for 10s
VOLT 16
```



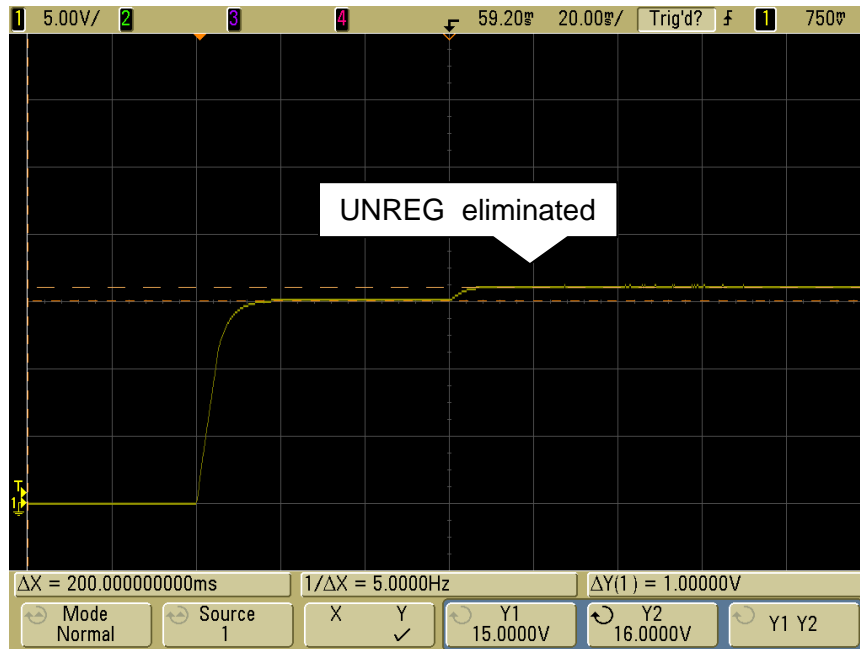
UNREG measurement observed on E3632A

**Solution/Action:**

To prevent this voltage UNREG symptom, Agilent recommends the user to execute the “VOLT 15” command before the target VOLT command as shown below.

```
*RST
VOLT:RANG P30V
VOLT 0
CURR 1
OUTPUT ON
// WAIT 10; set delay for 10s
VOLT 15
VOLT 16
```

By adding the VOLT 15, the UNREG will be eliminated.



UNREG measurement eliminated on E3632A by adding “VOLT 15” command