

N6705A-04A**S E R V I C E N O T E**Supersedes:
N6705A-04**N6705A DC Power Analyzer**

Serial Numbers: MY47000432/MY47000497

Firmware update will address an issue where N6705A mainframes with firmware A.02.03 results in self-test errors for N6751A, N6752A, N6761A and N6762A modules.**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:	X IMMEDIATELY <input type="checkbox"/> ON SPECIFIED FAILURE <input type="checkbox"/> AGREEABLE TIME	STANDARDS LABOR: 0.5 Hours	
LOCATION CATEGORY:	X CUSTOMER INSTALLABLE X ON-SITE X SERVICE CENTER	SERVICE INVENTORY: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP X SEE TEXT	USED PARTS: <input type="checkbox"/> RETURN <input type="checkbox"/> SCRAP X SEE TEXT
AVAILABILITY:	PRODUCT'S SUPPORT LIFE NO CHARGE AVAILABLE UNTIL: April 2010		
AUTHOR: WIU	PRODUCT LINE: SP		
ADDITIONAL INFORMATION:			

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PRINTED IN U.S.A.

May 12, 2008

Rev. 14

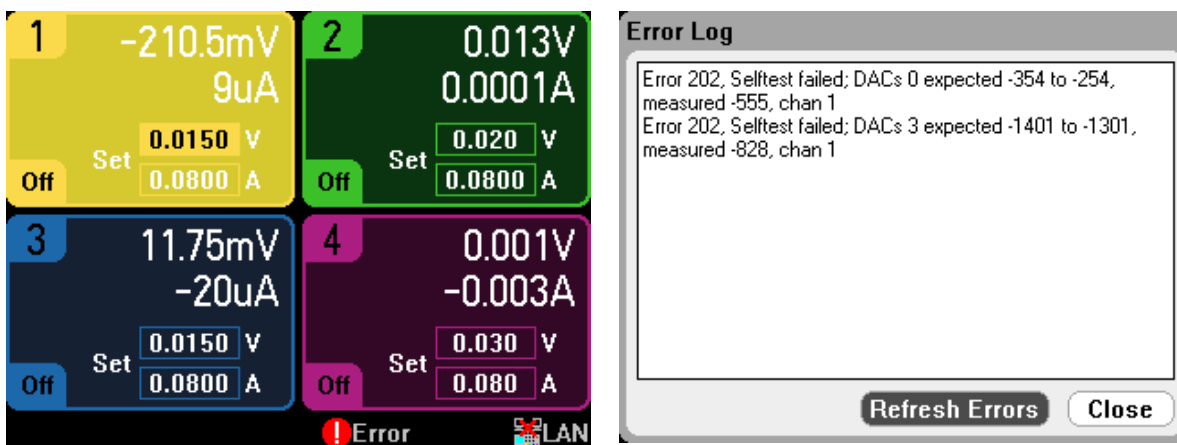
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Page 1 of 2

Situation:

All N6705A mainframes with firmware version A.02.03 have the potential to incorrectly configure N6751A, N6752A, N6761A and N6762A modules. This will result in an Error 202 Selftest failed and the output voltage being programmed to unexpected levels.

Figure 1. N6705A mainframe (A.02.03) with N6751A modules in Channel 1 and Channel 2

**Solution/Action:**

First, check the firmware revision of the N6705A mainframe. To do this using one of the IO interfaces, send the “*IDN?” query. Over the front panel use the following sequences of keystrokes:

1. **Settings**
2. **Properties**

It will be listed on the “Firmware version” line. If the frame revision is A.02.06 or higher, then the unit has already been upgraded and no further upgrade is required to correct this issue but it is always a good idea to update to the LATEST version.

If the firmware version is A.02.03 or older then the firmware must be upgraded. All files, programs, and instructions required to upgrade the firmware are located at the following website:

<http://www.agilent.com/find/N6705firmware>.

Testing Note

After the update has been completed turn on the unit and allow the instrument to complete self-test. This update will not affect the calibrating or performance specifications.