



GE Energy

Functional Testing Specification

Parts & Repair Services
Louisville, KY

LOU-UTS-DS3800NOWB

Test Procedure for cards tested on the UTS-3000 Tester

DOCUMENT REVISION STATUS: Determined by the last entry in the "REV" and "DATE" column

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	Steve Pharris	5/11/2011
B			
C			

© COPYRIGHT GENERAL ELECTRIC COMPANY

Hard copies are uncontrolled and are for reference only.

PROPRIETARY INFORMATION – THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF GENERAL ELECTRIC COMPANY AND MAY NOT BE USED OR DISCLOSED TO OTHERS, EXCEPT WITH THE WRITTEN PERMISSION OF GENERAL ELECTRIC COMPANY.

PREPARED BY Steve Pharris	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL <i>Charlie Wade</i>
DATE 5/11/2011	DATE	DATE	DATE 5/11/2011

Functional test procedure for a DS3800NOWB card tested on the UTS Test System.

1. SCOPE

- 1.1 This is a functional testing procedure for the UTS3000 Tester. This fixture will test the DS3800NOWB1H and higher boards.

2. STANDARDS OF QUALITY

- 2.1 Refer to the current revision of the IPC-A-610 standard for workmanship standards.

3. APPLICABLE DOCUMENTS

- 3.1 The following document(s) shall form part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue shall apply.
- 3.1.1 Check board's electronic folder for more information

4. ENGINEERING REQUIREMENTS

- 4.1 Equipment Cleaning
- 4.1.1 Equipment should be clean and free of debris prior to applying power unless performing an initial check. Refer to site specific SRA's for cleaning guidelines.
- 4.2 Equipment Inspection
- 4.2.1 Equipment should be visually inspected for any defects prior to applying power. This inspection should include the following as a minimum:
- 4.2.1.1 Wires broken or cracked
 - 4.2.1.2 Terminal strips / connectors broken or cracked
 - 4.2.1.3 Loose wires
 - 4.2.1.4 Components visually damaged
 - 4.2.1.5 Capacitors leaking
 - 4.2.1.6 Solder joints damaged or cold
 - 4.2.1.7 Circuit board burned or de-laminated
 - 4.2.1.8 Printed wire runs burned or damaged

5. EQUIPMENT REQUIRED

- 5.1 The following equipment is required to perform the process requirements. Equipment may be substituted provided that all accuracy's and test ratios are equivalent or better.

Qty	Reference #	Description
1		UTS3000 Tester
1	H188982	DS3800NOWB Fixture

<p>LOU-UTS-DS3800NOWB REV. A</p>	<p>g</p> <p>GE Energy <i>Part & Repair Services</i> <i>Louisville, KY</i></p>	<p>Page 3 of 3</p>
--------------------------------------	---------------------------------------------------------------------------------------------------------	--------------------

6. TESTING PROCESS

6.1 Setup

6.1.1 Install test fixture H188982

6.1.2 Choose DS3800NOWB test.

6.1.3 As required by UTS3000 instructions.

6.2 Testing Procedure

6.2.1 Identify the test to be used on the UTS3000 by matching the model number with the ones on the system and follow the instructions given after execution.

6.3 ***TEST COMPLETE***

7. NOTES

7.1 None at this time.

8. Attachments

8.1 None at this time.