



GE Energy

## Functional Testing Specification

*Parts & Repair Services  
Louisville, KY*

**LOU-GENEVA-IS200EGPAG1**

### Test Procedure for an IS200EGPAG1 card.

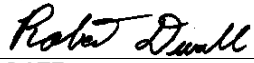
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REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release	R. Duvall	5/21/03
B	Transferred procedure from a general group to a specific single document. Also added asset numbers to section 5.	F. Howard	7/02/2010
C			

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## Functional test procedure for an IS200EGPAG1 card tested on the GENRAD® GENEVA system

### 1. SCOPE

1.1 This is a functional testing procedure for various circuit 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	H188912	GENRAD Geneva Test System
1	H188744	IS200EGPAG1 Test Fixture

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## 6. Testing Process

### 6.1 Setup

6.1.1 Install fixture H188744 onto Geneva test System.

6.1.2 Install UUT into test fixture.

### 6.2 Testing Procedure

6.2.1 Load appropriate test program and follow instructions on screen.

6.3 \*\*\***TEST COMPLETE**\*\*\*

## 7. Notes

7.1 Changes to the electronic GENEVA test are recorded in the following directory;

C:\Geneva Info\Geneva, file name is "Geneva Test Fixture Notes".

## 8. Attachments

8.1 None at this time.