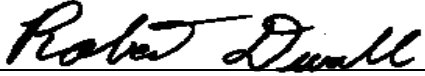
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TITLE: Voltage Comparator card Test Procedure		PROCEDURE: LOU-GE-125D4413G3-B

1. INTRODUCTORY DESCRIPTION

- A. This procedure establishes the methods for testing a 115D2227G4 or 125D4413G3
- B. Environmental ranges: 70 +/- 10 Deg. F. with 20-75% R.H.
- C. Unit warm-up/stabilization period requirement: None.
- D. Personnel using this procedure are expected to have a high degree of confidence and expertise in related testing and calibration procedures.
- E. Procedures not explained here are considered to be understood as common practice.

2. TEST EQUIPMENT VERIFICATION


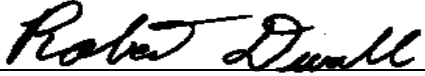
- A. Verify the accuracy of the standard(s) used in the repair/calibration process by evidence of recent calibration labeling affixed to the test equipment.
- B. All measurement standards used in this procedure shall be traceable to the NATIONAL INSTITUTE of STANDARDS and TECHNOLOGY (N.I.S.T.) and shall have the accuracy, stability, range and resolution required for the intended use.
- C. Unless otherwise specified, the collective uncertainty of the Measurement Standard(s) shall not exceed twenty five percent of the acceptable tolerance for each characteristic being calibrated.
- D. All deviations shall be documented.

3. EQUIPMENT CLEANING

- A. All equipment clean will be performed as instructed in the GEES SOP Sec. 14.0


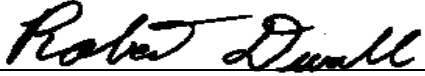
4. EQUIPMENT INSPECTION

- A. The following criteria should be used as a guideline or basis for the inspection process of the this unit:
 - 1. Wires broken or cracked.
 - 2. Terminal strips / connectors broken or cracked.
 - 3. Loose wires.
 - 4. Components visually damaged.
 - 5. Capacitors leaking.
 - 6. Solder joint, cold.
 - 7. Circuit board discolored or burned.
 - 8. Printed wire runs burned or damaged.

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5. REVISION HISTORY

Revision	Date	Initials	Reason for Revision
A	11/08/96	PDK	Initial Procedure – After Verification
B	06/07/02	RKD	Added section 5 & 6, Changed procedure number
C			
D			
E			
F			
G			
H			
I			
J			
K			

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6. REFERENCE DOCUMENTATION

- Reference: GEK
- Factory Procedure #


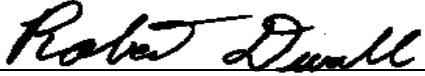
7. THEORY OF OPERATION

8. TEST EQUIPMENT TO BE USED



0-6V DC Variable Supply - PS1
 -22V DC Power Supply - PS2
 +22V DC Power Supply - PS3
 Test Fixture # H033552

9. FINAL TEST AND OPERATION PROCESS

- Connect wires from test fixture as follows:
 Red wire to +22V DC
 Black Wire (without Banana plug) to Common
 Green Wire to -22V DC
 Black wire (with banana plug) to 0-6 VDC supply
 Connect commons of all supplies together.
- Set PS1 for 0V
- Plug UUT into test fixture

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- Apply power to UUT
- In reference to common, Adjust the output at TP4 for +3V via VR4.
- In reference to common, Adjust the output at TP2 for +3V via VR2.
- All yellow LEDs on top of test fixture should be on. If not, the associated relay or circuitry is defective.
- Adjust PS1 for 6V.
- All Green LEDs on top of test fixture should be on. If not, the associated relay or circuitry is defective or balance pot for that circuit is far out of adjustment..If pot adjustment does not correct any problems, besure that pot adjustment is returned to center before proceeding.
- If correct LEDs are on in last step, verify that they are switching at 3V. If not, adjust balance pot so they do.
- Test Complete.

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10. SPECIAL INFORMATION

TEST WRITTEN BY: Paul Kelley

DATE: 11/08/96

TEST VERIFIED BY: _____

DATE: _____