

TMC SPECIFICATION

NO. S 957

REV:

0 A

COMPILED:

JZ

CHECKED:

Jo JEL

APPD:

JEE

SHEET 1

OF 4

TITLE:

Typed by mtp 5/18/65

TEST PROCEDURE

for

RGCA

TMC SPECIFICATION

NO. S 957

REV: 0 A

COMPILED: JZ CHECKED: *[Signature]* APPD: *JCC* SHEET 2 OF 4

TITLE: TEST PROCEDURE FOR RGCA

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I. EQUIPMENT USED

1. Hewlett-Packard 410B or equivalent.
2. Two RC20GF 103 J - 10K loads.
3. Simpson 260 or equivalent.

II. PRELIMINARY TEST

1. Power off; a-c disconnected.
2. Check for any visible shorts or incorrect wiring.
3. Make sure all components (diodes and capacitors) have their polarities connected correctly.
4. Make the following resistance checks:

<u>Positive Lead</u>	<u>Common Lead</u>	<u>Reading</u>
J 3001-A	Ground	INF
J 3001-B	Ground	0
J 3001-C	Ground	INF
* Pin 3; A-4247	Ground	10K ohms (approx.)

*FOR THIS TEST, METER MUST BE IN REVERSE POLARITY.

III. TEST PROCEDURE

1. Connect a 10K resistor from TB3001-1 to TB3001-2.
2. Connect a 10K resistor from TB3001-3 to TB3001-4.
3. Connect the VTVM with the ground lead to TB3001-1 and the Positive lead to TB3001-2.
4. Turn BFO control fully clockwise. Voltage should be $-10V \pm 5\%$.
5. Turn BFO control to about mid-position. Voltage should be approximately $-5V$.
6. Turn BFO control to maximum counter-clockwise position. Voltage should be 0.
7. Connect VTVM with ground lead to TB3001-3 and Positive lead to TB3001-4.

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SHEET 3 OF 4

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III. TEST PROCEDURE - Cont'd

8. Turn RFG control fully clockwise. Voltage should read $-10V \pm 5\%$.
9. Turn RFG control to about mid-position. Voltage should be approximately $-5V$.
10. Turn RFG control to maximum counter-clockwise position. Voltage should be 0.

This completes the testing of the RGCA. Remove the power and disconnect the test equipment.

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SHEET 4 OF 4

TITLE: TEST PROCEDURE FOR RGCA

THE TECHNICAL MATERIEL CORPORATION
MAMARONECK, N.Y.

TEST DATA SHEET
RGCA-1

Serial No. _____

Date _____

Mfg. No. _____

Tester _____

II.

1, 2, 3. Preliminary Inspection _____

4. Resistance Checks to Ground

J3001A _____ (INF)
J3001B _____ (0)
J3001C _____ (INF)
A4247 Pin 3 _____)10K approx)

III.

4. BFO Voltage Max _____ (-10V±5%)
5. BFO Voltage Mid _____ (-5V approx)
6. BFO Voltage Min _____ (0)
8. RFG Voltage Max _____ (-10V±5%)
9. RFG Voltage Mid _____ (-5V approx)
10. RFG Voltage Min _____ (0)

