| DATE 1/11/65 SHEET 1 OF 5 | TMC SPECIFICATION NO. S 903 | 0 |
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| APPROVED | | |

TER-25K-600B TEST PROCEDURE

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 4004

| DATE 1-11-65 | TMC SPECIFICATION NO. S 903 | 0 |
|---|---|---|
| SHEET 2 OF 5 | | |
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DESCRIPTION

The Model TER-25k/600B resistive termination is capable of dissipating RF enegry from D.C. to 28 Megacycles. The resistor characteristics are such that they may be instantly brought up to full rated power out-put at minus 40 degrees centigrade without harm.

TEST EQUIPMENT REQUIRED

Ohmmeter Simpson Mo. 260 or equivalent.

40K transmitter TMC GPT-40K or equivalent.

Two R.F. Ammters, 0-10 Amperes.

TEST INSTRUCTIONS:

1. Mechanical

   a. Inspect resistors for any sign of damage in installation.

   b. Check all mechanical connections to see that they are secured properly.

   c. Check unit for missing hardware.

   D. Check fuses for proper value (2 Amps)

2. Electrical

   a. Check resistance of the resistors. They should read 650 ohms + 10%.

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3. Power Test

a. Set up the equipment as illustrated on diagram below. At 4, 15 and 28 mcs, using low power, keeping the current in the ammeters under ONE (1) amp each, tune the GPT-40K Transmitter until the current in the two RF ammeters are equal or within 10% of each other.

Now increase the drive until the two RF ammeters read not more than 6.4 amperes each. Under no condition is the sum of the currents in the two meters to exceed 13 amperes. This power should remain applied for (10) minutes, at each of the above frequencies.

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B. 1. Apply 110 VAC 60 cps to J102 AC connector, activate S103, Front Door Interlock.

2. Switch S105, AC Power, to the ON position. Both fans should go on.

3. Check each fan for proper rotation. This is indicated by the operation of each fan air switch. Improper rotation of either fan will cause its respective light to operate.

4. Remove AC power, place an ohm meter across terminals B & C of J 101. There should be no continuity.

5. Replace AC power, meter should read continuity.

6. Remove each fan fuse in turn, meter should indicate no continuity, fan indicator light should light. Replace the fuses.

7. Deactivate front door switch, meter should indicate no continuity.

8. Heat, S104, Heat control switch, to above 180°F. meter should read no continuity Overload light should light. Remove heat source S104 should reactivate causing the light to go out meter should now read continuity.

9. Remove AC power & meter. Re-connect AC power.

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| DATE 1/11/65 SHEET 5 OF 5 | TMC SPECIFICATION NO. S 903 | 0 |
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THE TECHNICAL MATERIEL CORPORATION
MAMARONECK, NEW YORK

TER-25K-600B TEST DATA SHEET

SERIAL NO. _____

MFG. NO. _____

1. Mechanical Inspection _____ OK

2. Electrical Inspection
   (reqmt 650 ohms & 10%) _____ OHMS

3. Power test. ( 10 minutes on each frequency below at 25w)

   4.Mcs ..... _____ OK

   15.Mcs ..... _____ OK

   28.Mcs ..... _____ OK

DATE _____

TESTED BY _____

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