

DATE 9-19-03
SHEET 1 OF 4

TMC SPECIFICATION NO. S 787

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COMPILED

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TITLE:

JB
APPROVED *BP*

TER-15K-600BF/18K-600BF TEST PROCEDURE

DATE 9-12-63

SHEET 2 OF 4

TMC SPECIFICATION NO. S 787

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TITLE:

TER-15K-600BF/18K-600BF TEST PROCEDURE

APPROVED

DESCRIPTION

The Model TER-15K/18K resistive termination is capable of dissipating RF energy from D.C. to 28 Megacycles. The unit is housed in fiberglass reinforced plastic case for pole or frame mounting. The case provides protection from the air circulation. All metals used are non-ferrous. The resistors are of a new design providing a minimum of reactance. The entire resistor assembly is shock mounted in plastic case and may be quickly removed for service. The resistor characteristics are such that they may be instantly brought up to full rated power output 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. Ammeters, 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 spacing of the spark gap. This should be set for 1/4 inch spacing.

2. Electrical

- a. Check resistance of the resistors. The resistance should be 600 ohms plus or minus 10%.

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SHEET 3 OF 4

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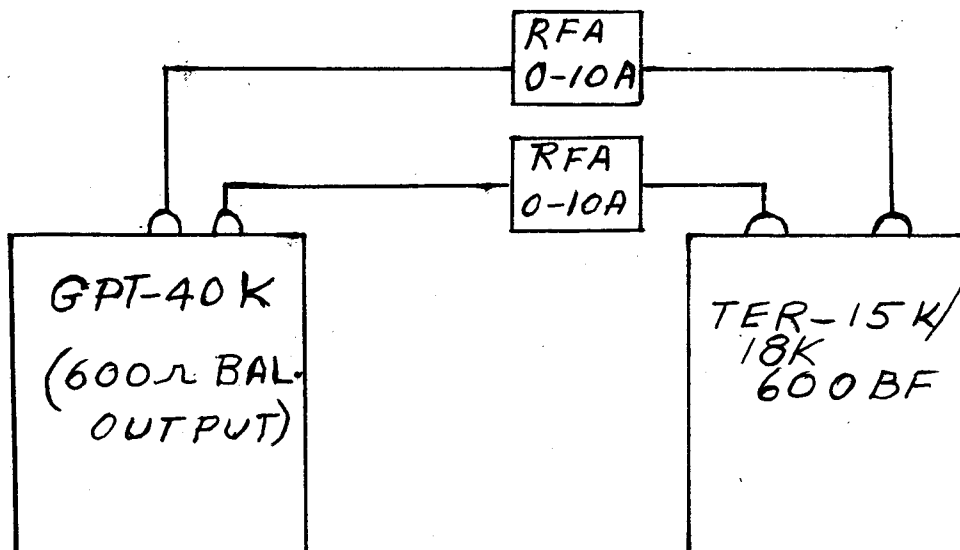
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3. Power Test

- a. Setup the equipment as illustrated on diagram below. At 4, 24 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 FIVE (5) amperes each for the 15K and 5.5 amperes each for the 18K. This power should remain applied for 15 minutes at each of the above frequencies.



DATE 9-12-63
SHEET 4 OF 4

TMC SPECIFICATION NO. S 787

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TITLE: TER-18K-600BF
TER-15K-600BF TEST PROCEDURE

DB
APPROVED

THE TECHNICAL MATERIEL CORPORATION
MAMARONECK, N.Y.

TER-15K-600BF /18K-600BF TEST DATA SHEET

SERIAL NO. _____
MFG. NO. _____

- 1. Mechanical Inspection _____ OK
- 2. Electrical Inspection _____ OHMS
(reqmt 600 ohms \pm 10%)
- 3. Power Test. (15 minutes on each
frequency below at 15 KW/18K)
 - 4 Mcs _____ OK
 - 24 Mcs _____ OK
 - 28 Mcs _____ OK

DATE _____
TESTED BY _____

