

S PPO

TMC SPECIFICATION

NO. S-880

REV: 0

COMPILED: LB

CHECKED: LB

APPD: [Signature]

SHEET 1 OF 3

TITLE:

Typed by mtp 11/23/64

TEST PROCEDURE

for

TER-3500-50U

TMC SPECIFICATION

NO. S-880

REV: 0

COMPILED: LB

CHECKED: *LB*APPD: *LB*

SHEET 2 OF 3

TITLE: TEST PROCEDURE FOR TER-3500-50U

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A. Test Equipment Required

1. GPT-10K with facilities to measure forward and reflected power.

B. Mechanical Inspection

1. Check all mechanical and electrical connections for loose assembly.
2. Visually check the two glass resistors for scratches and imperfections.
3. Check the spark gap spacing. This must be set for 1/8 inch.

C. Electrical Test

1. Connect TER to transmitter output.
2. Referring to Test Data Sheet, check all frequencies indicated at 1800 watts average power. Record information required on Test Data Sheet.
3. Referring to Print GP169, calculate and record SWR at tested frequencies.
4. Remove power from transmitters; disconnect load and resistors. Visually inspect for damage.
5. The TER is acceptable if the SWR is below 2:1, and all the above checks are OK.

TMC SPECIFICATION

NO. S-880

REV: 0

COMPILED: LB

CHECKED: *AB*APPD: *RS*

SHEET 3

OF 3

TITLE: TEST PROCEDURE FOR TER-3500-50U

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THE TECHNICAL MATERIEL CORP.
700 FENIMORE RD.
MAMARONECK, N.Y.

TEST DATA SHEET

SERIAL NO.: _____

MFG. NO.: _____

Electro/Mechanical Inspection _____ OK

Spark Gap _____ OK

Frequency response & power test (3 minutes)*

FMCForward WattsReflected WattsSWR(a)

28

20

* 2

(a) Refer to GP169

DATE: _____

TESTER: _____

FINAL APPROVAL: _____

