

TMC SPECIFICATION

NO. S1381

REV:

COMPILED: *MAC*

CHECKED:

APPD: *ONB*

SHEET

OF

TITLE:

TRC-500-50U/600B

TEST PROCEDURE

TMC SPECIFICATION

NO. S1381

REV:

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CHECKED:

APPD:

SHEET

1

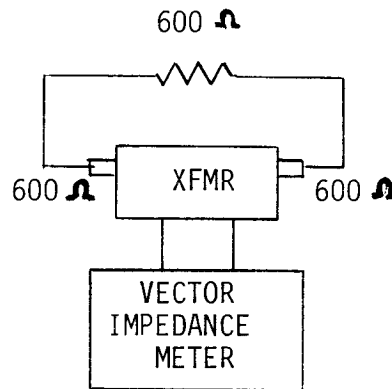
OF 2

TITLE: TRC-500-500/600B TEST PROCEDURE

TEST EQUIPMENT REQUIRED:

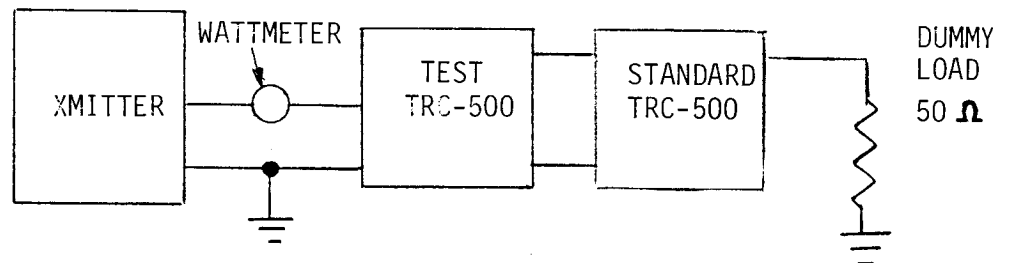
1. 600 Ω non-inductive load $\frac{1}{2}$ watt or equivalent.
2. H.P. Model 4815A R.F. Vector Impedance Meter.
3. 600 ohm load VSWR 1.2 or less. (300W)
4. Bird wattmeter Model 4715 or equivalent.

1. R.F. Bridge Measurements



- a.) Hook up test equipment and Transformer as shown (keeping all terminating leads as short as possible.)
- b.) Resistance and Reactance should show VSWR 2:1 or better as plotted on Smith Chart.

2. Power Test



Set up transmitter to 8 MHz at approximately 300 watts input for 5 minutes.

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OF 2

TITLE: TRC-500-50U/600B TEST PROCEDURE

THE TECHNICAL MATERIEL CORPORATION
MAMARONECK, N.Y.

TRC-500-50U/600B TEST DATA SHEET

SERIAL NO. _____

MFG. NO. _____

TEST 1 BRIDGE MEASUREMENTS

FREQ MHZ	IMPEDANCE	DEGREES	SWR
2			
16			
30			

VSWR should be within 2:1 as plotted on Smith Chart

$> 100 \Omega$ $\pm 30^\circ$
 $< 25 \Omega$

DATE: _____

TESTER: _____