DATE 31 January 1963	TMC SPECIFICATION NO. S-789	D
SHEET 1 OF 4		
MP COMPILED / N.P. CHECKED	TITLE:	
APPROVED RP		

OBSOLETE --- REPLACED BY S1169

TRC-500-50 U/600B TEST PROCEDURE

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 459M

DATE 31 January 1963 SHEET 2 OF 4	TMC SPECIFICATION NO. S -759	D
NP COMPILED / N.P. CHECKED	TITLE: TRC-500-50 U/600B TEST PROCEDURE	
APPROVED		

TEST EQUIPMENT REQURED

1 - RF VTVM H.P. Mod. 410B or equivalent.

1 - RF generator Measurements Corp. Mod. 82 or equivalent.

1 - GPT-750 TMC transmitter or equivalent.

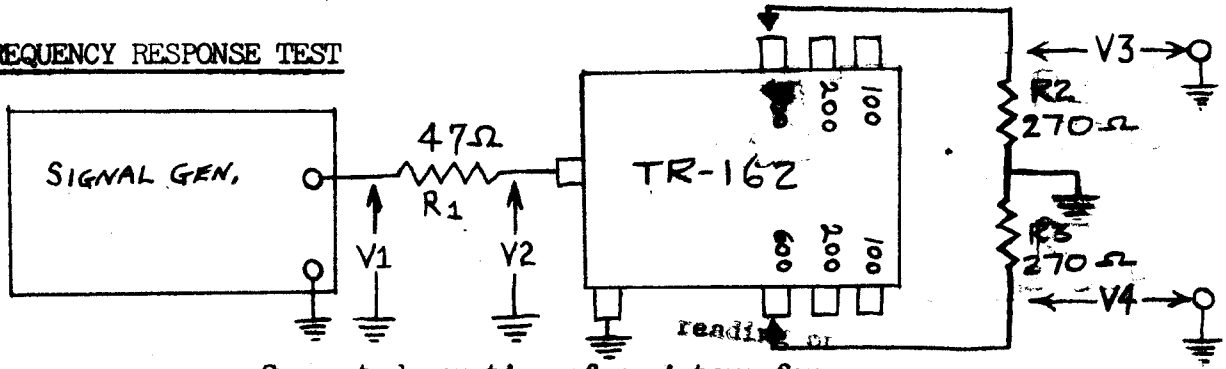
2 - 270 Ω 1/2W matched carbon resistors.

1 - 47 Ω 1/2W carbon resistor.

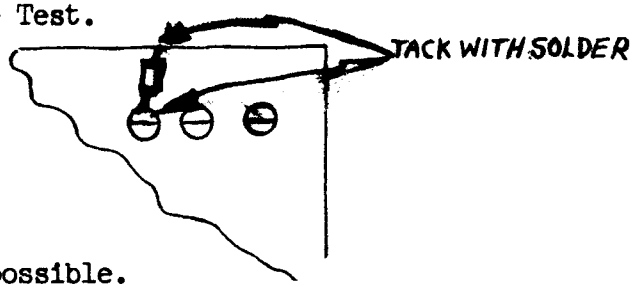
2 - 5A. RF meters.

1 Dummy Load TER-500/600B or Equivalent.

1. FREQUENCY RESPONSE TEST



Suggested mounting of resistors for Frequency Response Test.



Keep all terminating leads as short as possible.

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 459M

TMC SPECIFICATION NO. S-759 D

NP COMPILED | N.P. CHECKED

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

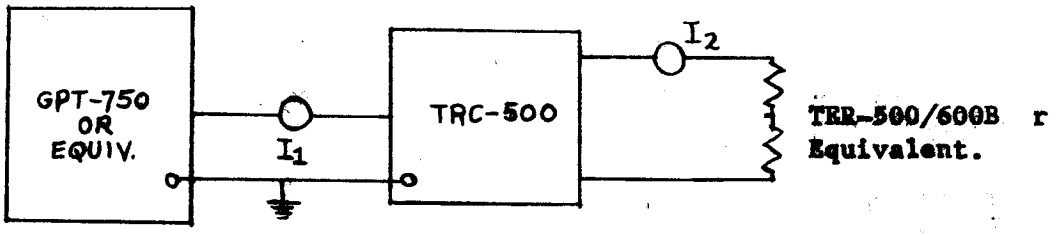
APPROVED

Freq. Mcs	V1	600 ohm V2	V3	V4
2	1.0	.56	.80	.83
8	1.0	.58	.79	.83
16	1.0	.59	.77	.76
30	1.0	.76	.50	.48

V3 and V4 should match within 10%

$\frac{V3+V4}{V2}$ should be between 1.3 and 2.9

2. POWER TEST



Set up transmitter at 20 Mcs, connect TRC-500 and load to reading of 3.16 amperes at I_1. Record Reading of I_2.

Test Data
±10%

Load	I_1	I_2
600	3.16A	.9A

DATE 31 January 1963	TMC SPECIFICATION NO. S-759	D
SHEET 4 OF 4		
NP COMPILED / N.P. CHECKED	TITLE: TRC-500-50 U/600B TEST PROCEDURE	
APPROVED		

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, N.Y.

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

SERIAL NO._____

MFG. NO._____

TEST 1 FREQUENCY RESPONSE

FREQ. MCS	V1	600 OHM TERMINATION			$\frac{V3 + V4}{V2}$
		V2	V3	V4	
2	1.0				
8	1.0				
16	1.0				
30	1.0				

V3 and V4 should match within 10%

$\frac{V3 + V4}{V2}$ should be between 1.3 and 2.9

TEST 2 TRANSMITTER LOAD TEST

LOAD	I_1	I_2
600	3.16A	

Tolerance ±10%

DATE:_____

TESTER:_____

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. STOCK NO. 459M

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

S-759
LIST NO.

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
8/30/63	A	→	9749	Revised Sheets 2,3,4 per EMN	
9-17-63	B	2,3,4	9994	Revised Sheets 2,3,4 per EMN	
5/16/66	C	3,4	16163	Revised per EMN	
7/14/72	D	T/S	20781	REVISED PER EMN	