TMC SPECIFICATION			NO. S 1011
REV: Ø A B			
COMPILED: RRH	CHECKED:	APPD:	SHEET 1 OF 3
TITLE: TEST PROCEDURE FOR THE MODEL TER-2500-300U			
Typed by mtp 9/3/65			

TEST EQUIPMENT REQUIRED

Signal Generator - General Radio 1001-A

RF Bridge - General Radio 916-A

RADIO RECEIVER

VOM - Simpson Model 260

GPT 10K (600 ohm balanced output) with TMA10K

1.0 Mechanical Inspection

1.1 Inspect resistors for any sign of damage in installation.

1.2 Adjust spark gap for 1/8" separation.

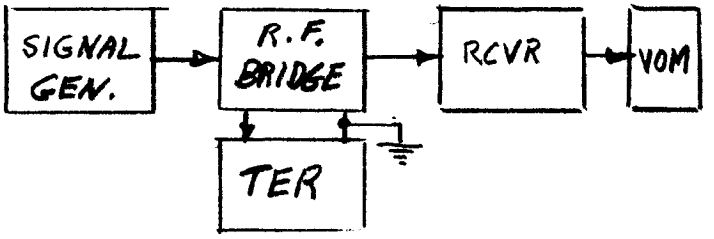
1.3 Check all mechanical connections to see that they are secure.

1.4 Check the unit all over for any missing hardware.

2.0 Electrical Inspection

2.1 Measure d-c resistance from bowl terminal to ground terminal to read 300ohms ±10%.

2.2 Set up equipment as illustrated in the Block Diagram.



2.3 Take readings at the following frequencies and see that the VSWR is 1.2:1 or less as computed on Smith Chart.

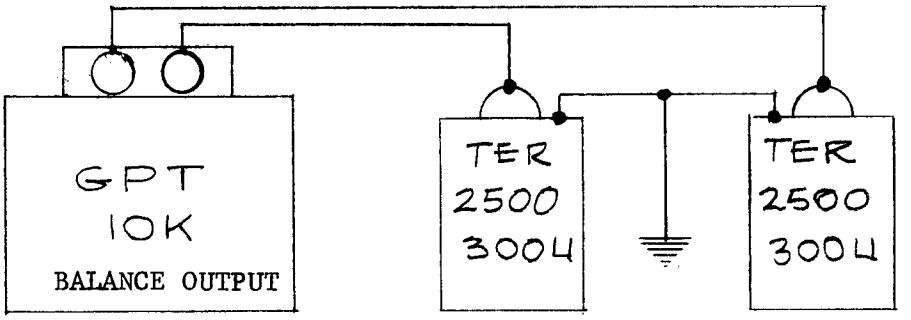
FMHz	R	X
2	—	—
4	—	—
8	—	—
16	—	—
30	—	—

If the values cannot be maintained, small adjustments in CL-268 of 28 MHz can be made to bring them into the specified range.

NOTE: To obtain the best results adjust CL-268 for a reactance reading of between 600-700 ohms and resistance reading 335 to 350 ohms.

2.4 Power Test

2.4.1 Connect two TER-2500/300U in series as indicated.



Energize transmitter on 6 mcs and adjust for 2.9 amperes on each meter of the TMA10K. Record on test data sheet. Keep loads on for 30 minutes and observe for break-down or over-heating.

TEST DATA SHEET - TER-2500-300U

1.0 Mechanical Inspection _____.

2.0 Electrical Inspection _____.

2.1 D-c Resistance _____.

2.3 Impedance:

FMHz	R	X	SWR (1.2 or less)
2			
4			
8			
16			
30			

2.4 Power Test TMA10K Readings _____ A

Heat and Breakdown _____ OK

DATE: _____

TESTED BY: _____

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

S1011
LIST NO.

DATE	REV.	SHEET	EMN #	DESCRIPTION	APP.
9/7/65		1 of 2		O=ORIGINAL RELEASE FOR PRODUCTION.	
9/14/65	A	A11	14802	REVISED PER EMN	
3/20/67	B	a11	18012	REVISED PER EMN	

TMC FORM MLR-1 2-65—AINS.