DATE 2-7-61 SH. 1 OF 2 COMPILED BY A. A.	TMC SPECIFICATION NO. S-539 C	
	TITLE: TEST PROCEDURE FOR THE MODEL TER-1800-300U	JOB
APPROVED		

TEST EQUIPMENT REQUIRED

Signal Generator - General Radio 1001-A

RF Bridge - General Radio 916-A or equivalent.

RADIO RECEIVER

VOM-SIMPSON MODEL 260

1.0 Mechanical Inspection

1.1 Inspect resistors for any sign of damage in installation.

1.2 Adjust spark gap for 1/8" separation.

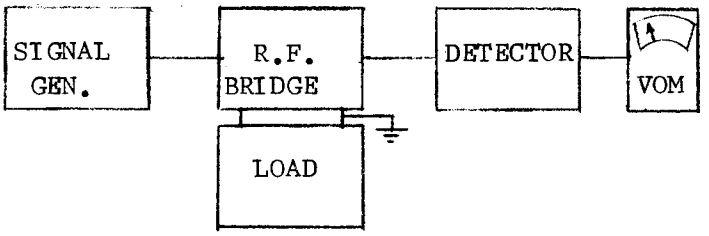
1.3 Check all mechanical connections to see that they are secure.

1.4 Check the unit all over for any missing hardware.

2.0 Electrical Inspection

2.1 Measure resistance from bowl terminal to ground terminal to read 300 $\Omega \pm$ 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 or less as computed on Smith chart.

FMC
2
4
8
16
30

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

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

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TEST DATA SHEET TER-1800-300U

1.0 Mechanical Inspection _____

2.0 Electrical Inspection - 300 Ω ±10% _____

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

DATE _____

TESTED BY _____

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

TER-1800-300U

MODEL TER-1800-300U PROJECT NO TEST DATA SHEET TER-1800-300U

DATE	REV.	PAGE	EMN#	DESCRIPTION	CHK.	APP.
2-27-61	A	2		On FMC 16, changed "R" from 280 to 300.		
	"	"		On FMC 24, changed "R" from 310 to 280.		
	"	"		On FMC 30, changed "R" from 270 to 320.		
	"	"		Changed from R± 10% to R ± 15%.		
5/1/62	B	all pages	6677	Chg. TER-3500-300 to TER-1800-300U.		
11/11/65	C	all	15173	Revised per EMN		