TMC SPECIFICATION

NO. S 1231

REV: Ø

COMPILED: V.C. CHECKED: LEL APPD: ATM SHEET 1 OF 4

TITLE:

TEST PROCEDURE

FOR

VRA-8

TEST EQUIPMENT REQUIRED

1. RF VTVM Hewlett-Packard Model 410B (or equivalent)
2. RF Generator Measurements Corporation Model 82 (or equivalent).
3. 68 ohm 1/2 watt resistor, 5%
4. 5.6K ohm 1/2 watt resistor, 5%.
5. 1.2K ohm 1/2 watt resistor, 5%.

1.0 MEACHNAICAL INSPECTION

1.1 Check that mechanical parts and details are in agreement with drawing A-2169.

1.2 Check that the spark-gap rod is aligned as per A-2169, and that the gap is 1/32".

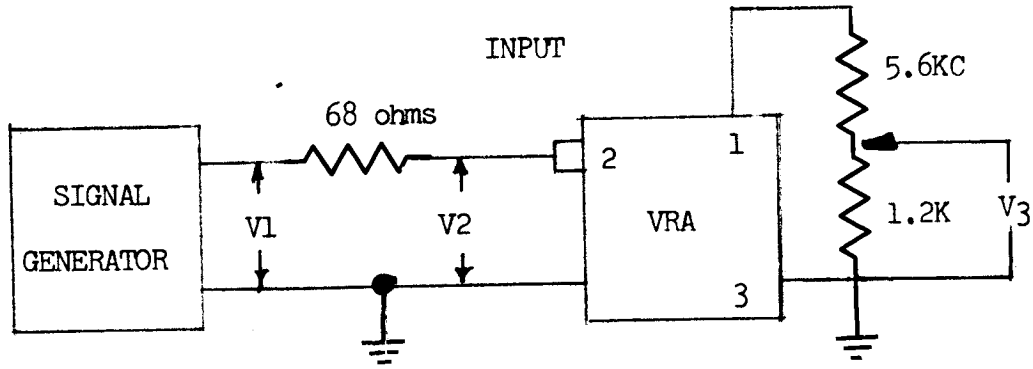
1.3 Check customer's order for conformance of additional details such as output and accessory connectors.

1.4 Check for proper connection and soldering of strap connectors to transformers.

2.0 ELECTRICL INSPECTION

2.1 Set up equipment as shown in diagram on Sheet 3.

2.2 Turn on Signal Generator and using the VTVM adjust for a measurement of 1.0 volts R.F. at V1. W-ith R.F. maintained at 1.0 volts at V1, use the VTVM to measure voltage at V2 and V3 for the following frequencies: 200, 400 and 800 kilocycles.



FREQUENCY	RF VOLTS		
KC	V1	V2*	V3*
200	1.0	.60	.86
400	1.0	.57	.82
800	1.0	.48	.82

Ratio of V3/V2 should be not less than 1.5 nor more than 2.2

Record data on Test Data Sheet.

*The above readings are based on TR-042 potted unit, not mounted in VRA case, and should be considered reference only; however, the readings of V2 and V3 should not vary more than ±20% of actual values obtained during transformer test.

THE TECHNICAL MATERIEL CORPORATION

MAMARONECK, N.Y.

VRA-8 TEST DATA SHEET

SERIAL NO._____ 1.0 MECHANICAL INSPECTION____

MFG. NO._____

2.0 ELECTRICAL INSPECTION

FREQUENCY	RF VOLTS			
KC	V1	V2	V3	RATIO V3/V2*
200	1.0			
400	1.0			
800	1.0			

DATE:_____

TESTER:_____

*1.5 Min.
2.2 Max.

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

S 1231

MODEL ____________ PROJECT NO. ____________

DATE	REV.	PAGE	EMN#	DESCRIPTION	CHK.	APP.
8/23/68	Ø			ORIGINAL RELEASE FOR PRODUCTION		