DATE 8-19-52 SH. 1 OF 2 COMPILED BY	TMC SPECIFICATION NO. S-123	
	TITLE: PRODUCTION TEST PROCEDURE TR-005	JOB 123
APPROVED		

PURPOSE:

The purpose of this specification is to outline a procedure for the production testing of the Beverage Antenna Coupling transform r TR-005.

1. GENERAL DESCRIPTION:

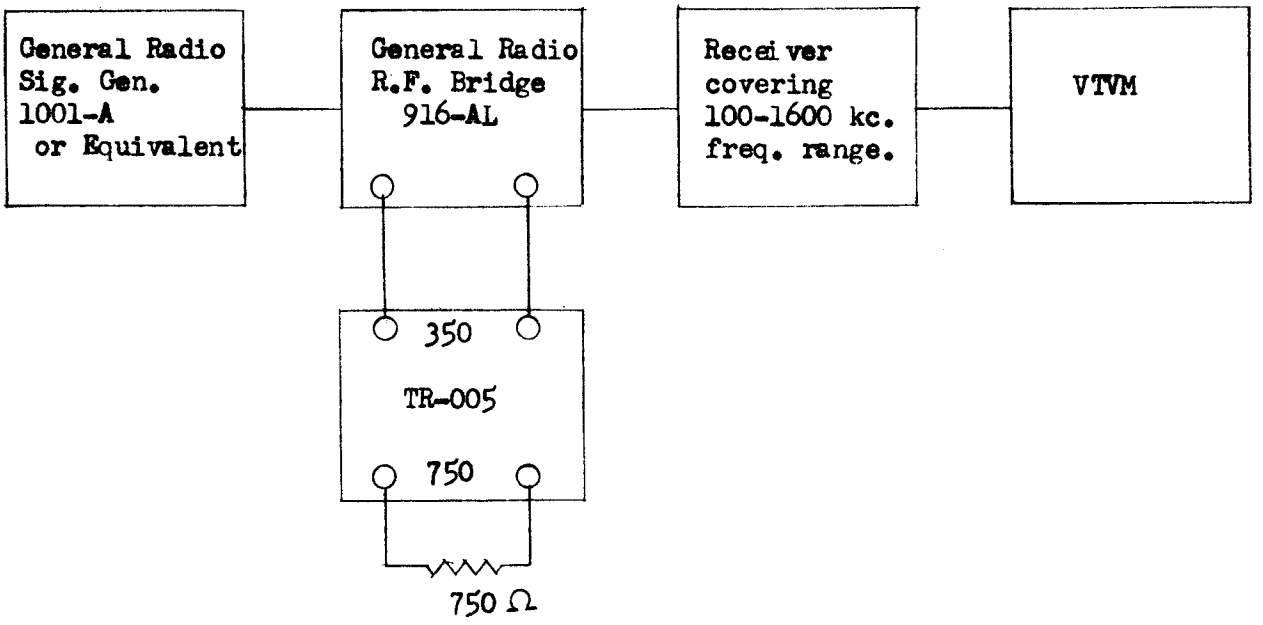
The TR-005 transformer serves as a reflection transformer on the far end of a Beverage Antenna to reflect signals back to the near end.

Input Impedance	750 Ohms, center tapped.
Output Impedance	350 Ohms,
Frequency Range.	100-1600 Kc.

2. DETERMINATION OF OUTPUT IMPEDANCE:

Test equipment is set up as shown in the following ~~chart~~ diagram. Resistance and reactance measurements are made in accordance with the instructions supplied by the General Radio Co. Impedance values are obtained by the vectorial addition of the resistive and reactive components.

Transformer impedance over the frequency range of 100-1600 kc. should conform with the values as established by the curves of dwg. AEM056.



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3. DETERMINATION OF FREQUENCY RESPONSE:

Test equipment is set up as shown in the following t st diagram. V1 the signal impressed by the signal generator is held constant over the frequency range. (100-1600kc). V2 is obs rv d and recorded over the frequency range. The relative response is calculated in db. employing 400 Kc as the reference level.

The frequency response over the frequency range should conform with the values as established by the curves of Dwg. AEM055.