

DATE 2/28/61
SH. 1 OF 2

TMC SPECIFICATION NO. S-548

COMPILED BY
C.M. Groven

TITLE: Test Specification for ATA-3, ATA-5

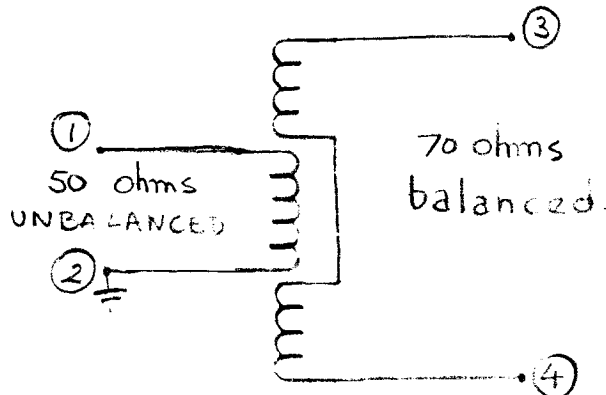
JOB

APPROVED *[Signature]*

Job-E-1142-P

The TMC Antenna Terminating Assemblies ATA-3 and ATA-5 have been designed to couple a 50 ohms unbalanced line to a balanced 70 ohm antenna.

The ATA coupler consists essentially of an RF transformer of the following configuration.



Color of Leads

1. Red
2. Black
3. Yellow
4. Blue

Mechanical Inspection

Visually inspect all terminals, mountings, connections and soldered joints for firmness and rigidity. If poor connections are found, the unit should be rejected for repairs.

Electrical Test

The electrical test will be composed of a complete continuity check since the RF characteristics of the transformer has already been tested.

Equipment Required

Ohmmeter such as Simpson Meter Model 260.

Continuity Measurements

Test Procedure

Test continuity between the rods of the insulators (outside the box). The resistance should not be greater than 0.5 ohms. Test continuity between the third terminal of the fanning strip (red wire) to the ground terminal lug. The resistance should be less than 0.5 ohms.

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SH. 2 OF 2

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TITLE: Test Data Sheet for ATA-3,ATA-5

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MECHANICAL INSPECTION

CHECK	SHOULD BE	RESULT OF INSPEC- TION
Soldered Joints	Clean, bright, flowed	
Mountings	Firm, Rigid	
Terminals	Tight, Clean	
Connections	Solid, Tight	

ELECTRICAL INSPECTION

FROM	TO	SHOULD BE	RESULTS OF TEST
Insulator Rod	Insulator Rod	Less than 0.5 Ohms	
Terminal Strip Lug #3	Ground	Less than 0.5 Ohms	