

TMC SPECIFICATION

NO. S-917

REV: 0 A

COMPILED: REM

CHECKED: Rem

APPD: JB ~~MA~~

SHEET COVER OF 3

TITLE:

5/25/65

Typed by mtp 5/25/65

HVRC-1 SOLID STATE RECTIFIER

for

GPT-10K TRANSMITTER

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1

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TITLE: HVRC-1 SOLID STATE RECTIFIER FOR GPT-10K TRANSMITTER

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A. INTRODUCTION

The HVRC-1 was developed to directly replace the standard mercury vapor type rectifier supply furnished with conventional TMC GPT-10K Transmitters.

The advantages are reduction in weight, heat and long life from this type of rectifier.

B. PRELIMINARY

Check unit for obvious wiring errors, poor solder connections, etc.

C. TEST EQUIPMENT REQUIRED

GPT-10K Transmitter with dummy load.

D. PROCEDURE

1. Install the HVRC-1 Solid State Rectifier in the GPT-10K Transmitter.
2. Turn "ON" Main Power Breaker of the Transmitter.

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SHEET 2 OF 3

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D. PROCEDURE - Cont'd

** 6. Turn on high voltage breaker. Voltage as read on PA Plate Voltmeter should be 7.5 KV +10% under no drive condition.

** 7. Under full output 6KW indicated, single tone, voltage should not vary more than +10%.

8. Fill out Test Data Sheet. This completes test procedure for HVRC-1.

** Indicated completion and acceptance of portion(s) of this test preceded by asterisks (**) by recording observed value or by check (✓) mark as required on attached Test Data Sheet.

