

TMC SPECIFICATION

NO. S 1002

REV: 0

COMPILED:

RRH

CHECKED:

APPD:

M. May 8/27/65

SHEET COVER OF 2

TITLE:

Typed by mtp 8/13/65

HVRC-2 SOLID STATE RECTIFIER

for

GPT-10K TRANSMITTER

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1

OF

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TITLE: HVRC-2 SOLID STATE RECTIFIER FOR GPT-10K TRANSMITTER

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A. INTRODUCTION

The HVRC-2 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-2 Solid State Rectifier in the GPT-10K Transmitter.
2. Turn "ON" Main Power Breaker of the Transmitter.
- ** 3. Turn on high voltage breaker. Voltage as read on PA Plate Voltmeter should be 7.5 KV $\pm 10\%$ under no drive condition.
- ** 4. Under full output 6 KW indicated, single tone, voltage should not vary more than $\pm 10\%$.
5. Fill out Test Data Sheet. This completes test procedure for HVRC-2.

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

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TEST DATA SHEET

B. PRELIMINARY INSPECTION

_____ OK

D. PROCEDURE3. _____ Volts $\pm 10\%$ 4. _____ Volts $\pm 10\%$

MFG. NO. _____

SERIAL NO. _____

TESTED BY _____

DATE _____

APPROVED _____

REMARKS:

