

DATE May 21 1954
SH. 1 OF 1

TMC SPECIFICATION NO. S -210

COMPILED BY
GTO

TITLE: Modification of the Model FFR Receiver (USAF) | JOB

APPROVED G.T.O

A. PURPOSE

The purpose of this specification is to describe a modification procedure in order to lower the audio distortion of the equipment.

B. COMPONENTS REQUIRED

| <u>SYM</u> | <u>DESCRIPTION</u> | <u>TMC PART NUMBER</u> |
|------------|---|------------------------|
| R126 | RESISTOR, fixed: composition, 240 ohms $\pm 5\%$, 2 watt. | RC42GF241J |

C. WIRING PROCEDURE

1. Remove R126, RESISTOR, Part RC20GF511J
2. Replace with R126, RESISTOR, Part RC42GF241J.

D. TEST PROCEDURE

The above modification permits the vacuum tube V105 to operate over the linear portion of its plate-voltage-plate current characteristic curve. Distortion at two watts output shall not exceed 10 per cent, and shall be considerably less at lower outputs. The distortion should be approximately 2 per cent when measured at 400 cycles at 0 dbm level.