

Technical Description

The Commander HF-2500 Magnum uses a pair of Eimac 3CPX800A7 ceramic-metal triodes in class AB2 grounded grid configuration. It has been designed to operate in the following amateur radio frequency ranges:

FREQUENCY RANGE: 1,800KHz. To 2,000KHz.; 3,500KHz. to 4,000KHz.; 7,000KHz. to 7,350KHz.; 14,000KHz. to 14,350KHz.; 18,068KHz. to 18,168KHz.; 21,000KHz. to 21,450KHz.

The Commander HF-2500 Magnum is not capable of operation on any Frequencies between 24,000 MHz and 34,000 MHz as manufactured. The components in this amplifier have values or conductance or capacitance far to small to allow for tuning in this range. We have included test measurement data which verifies this fact.

The following information can be found in the Instruction Manual:

1. Types of emissions
2. Range of operating values
3. Maximum power rating
4. Function of each electron tube
5. Complete circuit diagram
6. Description of all circuitry for determining frequency
7. Description of circuits and devices employed for suppression of spurious radiation

We have listed information pertaining to the D.C. voltages applied to and the D.C. currents applied to the final amplifier electron tubes in the Test Report Section.