

## **Principle of Operation**

The TAV-250 power amplifier supplies a 250-watt peak video signal with an aural carrier level 10 to 13 dB below visual carrier (dBc) on any of the VHF television channels 2 through 13. Please note that channel selection must be made at time of order, as the transmitter or translator is calibrated and tested to the channel requested and is not field tuneable. The TAV-250 power amplifier is a modular solid-state 250-watt broadcast amplifier utilizing readily available RF components wherever possible, thus enhancing the serviceability of the equipment.

The TAV-250 is comprised of a 25 watt driver pallet in addition to a 400 watt final pallet that provides 250 watts of peak visual power in addition to the aural carrier power.

The TAV-250 features ultra linear amplification with amplifier modules that are stable for high reliability and long service life.