

**July 13, 2007**

**Block Diagram Statement:  
TAV-25L**

The RF signal enters through the RF Input connector on the power amplifier enclosure from the modulator or processor. It then passes through an RF attenuator to limit the output power level of the power amplifier and to help buffer any transients that may come into the power amplifier. After attenuation, the signal is amplified through the VHFTV-25 driver before the signal passes through a bandpass filter. Finally, the amplified signal passes through a dual directional coupler for monitoring purposes. After the directional coupler, the signal exits the power amplifier enclosure before heading out to an antenna for broadcast.

TAV-25L BLOCK DIAGRAM

