

TUNE-UP INSTRUCTIONS

The model PA8-1DB-K power amplifier has no adjustable components inside therefore this procedure is simply a performance check.

Connect the amplifier as depicted in the Amplifier Test and Adjustment Set Up Diagram on page 11. Apply the nominal RF drive level at a few points across the band of 806 to 870 MHz. The RF output power should be within the specified range and supply current shall be 8 amps or less. The reflected input power must not exceed 10% of the forward power. Observe the spectrum analyzer for harmonic and spurious emissions less than or equal to -70 dBc.

Connect the signal generator, at a drive level of -10 dBm, to the antenna connector and a RF Power meter to the transceiver connector. The Receive Path Insertion Loss should not be greater than 1.5 dB.