

TRANSMITTER TUNE-UP AND ALIGNMENT

T5110/T5210/T5220

FCC ID: O9GT5210

1. Frequency Setting

- A. Connect a frequency counter or communications service monitor capable of at least one watt RF.
- B. Press the PTT switch.
- C. Adjust CT300 trimmer capacitor such that the output frequency is equal to the channel frequency with a maximum error of +/- 300 Hz. CT300 is located just above the 10.475MHz crystal unit which is just above the VCO shield can.

2. Deviation Adjustment

- A. Connect an audio generator to the microphone test terminals. The audio frequency should be set at 1KHz with a level of 8mv.
- B. Connect an FM deviation meter or communications service monitor to the antenna connector. Set the monitor to read peak deviation.
- C. Press the PTT switch.
- D. Adjust RV230 for +/- 1.5 KHz deviation. RV230 is located to the upper right of the VCO shield can.