

TRANSMITTER TUNE-UP AND ALIGNMENT

Model GMRS520

FCC ID: O9GGMRS520

1. Frequency Setting

- A. Connect a frequency counter or communications service monitor capable of at least five 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 to the left of CF301 near the reference crystal unit.

2. Deviation Adjustment

- A. Connect an audio generator to the microphone test terminal at the junction of R355, R333 and C347. The audio frequency should be set at 1KHz with a level of 80mv.
- 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 RV301 for +/- 2.5 KHz deviation. RV301 is located to the left of the VCO shield can.