

# **TRANSMITTER ALIGNMENT METHOD**

## **GMRS 1100**

### **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 CV101 trimmer capacitor such that the output frequency is equal to the channel frequency with a maximum error of +/- 200 Hz. CV101 is located the center of bottom area.

### **2. Output Power Alignment**

- A. Connect a communications service monitor or a wattmeter and dummy load to the antenna connector.
- B. Press the PTT switch.
- C. Adjust air coil (L205) by spreading or de-spreading, to achieve maximum power, not to exceed 1.4W.

**Note: Normally, it is not necessary.**

### **3. Deviation Adjustment**

- A. Connect an audio generator with 10uF coupling capacitor to the microphone jack. The audio frequency should be set at 1KHz with a level of 200mV.
- 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 RV201 for +/- 2.2KHz deviation. RV201 is located below the VCO shield.