

## TRC-500, Alignment Procedure

### "SIMPLIFIED FOR THE EXPERIENCED TECHNICIAN"

#### Transmit:

1. Switch 1 to VOX, Switch 3 to HI
2. Adjust L8 for 49.830MHz TX Fo.
3. Adjust L6 and L7 for maximum RF power.
4. Rv1 is FM deviation, set for 4.5KHz, MAX.

#### Receive:

1. Switch 1 to Push to Talk, Switch 2 to HI
2. Fo Counter to TP1 (junction C23/L3); adjust L3 for 39.130MHz.
3. Set up an RF input of 1mV, 49.830MHz; modulation 1KHz,  $\pm 2$ KHz deviation.
4. Adjust L1, L2, L3, and L4 for maximum.
5. Recheck 39.130 Oscillator.

TROUBLESHOOTING..... Mostly busted wires with this unit!

### TRC-500, PCB TOP VIEW

