

## Circuit Description for Model 37054 Transmitter

### TRANSMITTER

When the control knob is pressed, a signal is transmitted. The crystal controlled oscillator. Q1 output is coupled through C2 to the base of Q2. and the Q2 is a modulator & RF AMP, the RF signal is coupled through C6 to the LOW PASS FILTER MADE UP OF C8 & L1, L1 connected to the ANTENNA.

THE MODULATION IS PROVIDED BY IC1,

ENERGY IS SUPPLIED BY 3pcs of 1.5VDC AAA Battery

### GROUND CIRCUITRY.

The unit relies on the ground trace of the printed circuit board. No external ground is provided.

### REFERENCE OSCILLATOR

TX: 49.860MHZ CRYSTAL OSCILLATOR IS USED TO GENERATE THE REFERENCE FREQUENCY.

### ANTENNA

TX antenna is a 370MM steel wire