

## **Circuit Description for Model 37041 Transmitter**

### **TRANSMITTER:**

When the control knob is pressed, a signal is transmitted. The crystal controlled oscillator.

Q1 output is coupled through C4 to the base of Q2, and the Q2 is a modulator & RF AMP, the RF signal is coupled through C8 to the LOW PASS FILTER MADE UP OF C9, C10, L4 & L5, L5 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: 27.145MHZ CRYSTAL OSCILLATOR IS USED TO GENERATE THE REFERENCE FREQUENCY.

### **ANTENNA:**

TX antenna is a 370MM steel wire