

Circuit Description for Model 37053 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 FIETER MADE UP OF C8、 C9、 L1 &L4 connected to the ANTENNA.

THE MODULATION IS PROVIDED BY IC1,

ENERGRY 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.