

**Application No.: HM157894**

**Date: 2006-12-21**

**FCC ID: L5CW070TX**

### **Circuit Description**

The 434MHz crystal oscillator drives the base of Q5 the final/buffer amplifier. The modulation provided by IC. The output of Q5 has the matching network consisting of C19, C20, C23 and L4 that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

Antenna, Ground and Power Source

The antenna is an internal antenna. There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 3 Volt ("AAA" size battery x 2) primary battery.

### **Operation Descriptions**

The transmitter is a wireless thermometer operating at 434MHz band. The transmitter is powered by a 3V battery ("AAA" size battery x 2) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the 434MHz carrier frequency.

Remarks:

The transmitter is a periodic transmitter.

It is Pulse transmitter, Modulation by IC; and type is Pulse modulation.