

**Application No.: HM156465**

**Date: 3 May 2006**

**FCC ID: QB2-30967**

### **Circuit Description**

The 27.145MHz crystal oscillator drives the base of Q2 the final/buffer amplifier. The modulation provided by IC. The output of Q2 has the matching network consisting of L4 and C1 that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

Antenna, Ground and Power Source

There is no external antenna. There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 4.5 Volt ("AA" size battery x 3) primary battery.

### **Operation Descriptions**

The transmitter is a remote control toys operating at 27.145MHz band. The transmitter is powered by a 4.5Vd.c. Batteries ("AA" size battery x 3) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the 27.145MHz carrier frequency.

Remarks:

The transmitter is a Trigger transmitter.

The EUT continues to transmit while Trigger is being pressed.

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