

**Application No.: HM156600**

**Date: 3 June 2006**

**FCC ID: OYY160638949**

### **Circuit Description**

The 49.86MHz crystal oscillator drives the base of Q3 the final/buffer amplifier. The modulation provided by IC. The output of Q3 has the matching network consisting of L3, L4 and C3 and C10 that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

Antenna, Ground and Power Source

The antenna consists of a 46.5 long Metal 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 car operating at 49.86MHz band. The transmitter is powered by a 4.5 battery (AA x 3) and the transmitting frequency is crystal controlled. There are 4 buttons to control the forward reverse motor and director of movement. The operation is achieved by different combinations of form pulse modulating signal on the 49.86MHz carrier frequency.

Remarks:

The transmitter is a 4 Button transmitter.

The EUT continues to transmit while Button is being pressed.

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