

**Application No.: HM155983**

**Date: 13 February 2006**

**FCC ID: TXOTRANSMITTER**

### **Circuit Description**

The 88.3 - 107.7MHz LCR oscillator drives the base of IC the final/buffer amplifier. The modulation provided by Audio input. The output of IC has the matching network consisting of L4 and C62 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 12 Volt (Car Battery ) – 5Vd.c. primary battery.

### **Operation Descriptions**

The transmitter is a FM Transmitter operating at 88.3-107.7MHz band. The transmitter is powered by a 12 Volt battery (Car battery) – 5Vd.c. and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form frequency modulating signal on the 88.3-107.7MHz carrier frequency.

Remarks:

The transmitter is a 1 Voice trigger transmitter.

It is Voice transmitter, Modulation by Audio input; and type is Frequency modulation.