

Application No.: HM157605

Date: 2006-10-31

FCC ID: K7SF8Z125

### **Circuit Description**

The 88.1 – 107.9MHz crystal oscillator drives the base of IC the final/buffer amplifier. The modulation provided by IC. The output of IC has the matching network consisting of C20, C23 and L2 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 i-Pod primary battery.

### **Operation Descriptions**

The transmitter is a FM transmitter operating at 88-107.9MHz band. The transmitter is powered by a i-Pod and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form Frequency modulating signal on the 88.1-107.9MHz carrier frequency.

Remarks:

The transmitter is a trigger transmitter. The EUT continues to transmitter while trigger is being pressed. It is Voice transmitter, Modulation by i-Pod; and type is Frequency modulation.