

## FCC ID: II677201A

### Circuit Description

The 40.685MHz crystal oscillator drives the base of Q3 the final/buffer amplifier. The modulation provided by IC. The output of Q4 has the matching network consisting of C11, C13, L5, L6 and L7 that limit the harmonic content and affect the proper coupling of the antenna to the output stage.

#### Antenna, Ground and Power Source

The antenna consists of a 13.5cm long 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 ("LR44" size battery x 3) primary battery

### Operation Descriptions

The transmitter is an audio signal transmitter operating at 40.685MHz band. The transmitter is powered by a 4.5V battery ("LR44" size battery x 3) and the transmitting frequency is crystal controlled. There are 2 buttons to control the type of output sound. The operation is achieved by different combinations of form pulse modulating signal on the 40.685MHz carrier frequency.

#### Remarks:

The transmitter is a 2 buttons transmitter. The EUT continues to transmit while switched on. Modulation by IC; and type is Pulse modulation.