

## FCC ID: O4G-TKBKSP-A

### Circuit Description

The 2457.1MHz 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 L100, L101 and L102, C108, C110 that limit the harmonic content and effect the proper coupling of the antenna to the output stage.

#### Antenna, Ground and Power Source

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 3 Volt ("LR44" size battery x 2) primary battery

#### Operation Descriptions

The transmitter is a movement sensor operating at 2457.1MHz band. The transmitter is powered by a 3V battery ("LR44" size battery x 2) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the 2457.1MHz carrier frequency.

#### Remarks:

The EUT transmit when a movement is detected. Modulation by IC; and type is Pulse modulation.