

## FCC ID: N3EMOBILESPYEAR

### Circuit Description

The 49.86MHz crystal oscillator drives the base of Q3 the final/buffer amplifier. The modulation provided by Q1 & Q2. The output of Q3 has the matching network consisting of L3, L4 and C10, C11 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 20.5cm long telescoping chrome over brass tubing / Metal antenna.

There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 9 Volt ("6F22" size battery x 1) primary battery

### Operation Descriptions

The transmitter is a voice transmitter operating at 49.86MHz band. The transmitter is powered by a 9V battery ("6F22" size battery x1) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the 49.86MHz carrier frequency.

#### Remarks:

The transmitter is a 1Trigger transmitter.

The EUT continues to transmit while Trigger is being pressed.

It is Voice transmitter, Modulation by Microphone; and type is Amplitude modulation.