

## FCC ID: II630108

### Circuit Description

The 49.86MHz crystal oscillator drives the base of Q1 the final/buffer amplifier. The modulation provided by Mic. The output of Q1 has the matching network consisting of T1, IFT1 and C3, C4, C5, C6 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 14cm long telescoping chrome over brass tubing. 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 Walkie Talkie operating at 49.86MHz band. The transmitter is powered by a 9V battery ("6F22" size battery x 1) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form amplitude modulating signal on the 49.86MHz carrier frequency.

#### Remarks:

The transmitter is a 2 button transmitter. The EUT continues to transmit while button is being pressed. It is button transmitter, Modulation by Microphone; and type is amplitude frequency modulation.