

## FCC ID: WHS2008F028A01

### Circuit Description

The 14.31818MHz crystal oscillator drives the base of IC the final/buffer amplifier. The modulation provided by IC. The output of Q4 has the matching network consisting of C5, C6, C30, C3, L2, L4 and L7 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 ("AA" size battery x 2) primary battery

### Operation Descriptions

The transmitter is a voice transmitter operating at 49.86MHz band. The transmitter is powered by a 3V battery ("AA" size battery x 2) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form frequency modulating signal on the 49.86MHz carrier frequency.

Remarks:

The transmitter is a 1 button transmitter. The EUT continues to transmit while button is being pressed. It is voice transmitter, Modulation by IC; and type is Frequency modulation.