

## Circuit Description

The 49.860MHz MHz crystal oscillator drives the base of the final amplifier. The modulation provided by voice receiver. The output of final amplifier has the matching network consisting of induction and capacitor 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 11 cm long 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 ("006P" size battery x 1pc ) primary battery

## Operation Descriptions

The transmitter is a manual operating at 49.860MHz MHz band. The transmitter is powered by a 9 V battery (006P size battery x 1pc) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the 49.860MH 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 voice receiver ; and type is Amplitude modulation.

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