FCC ID: SVDJP09-838768

Circuit Description

The 49.86 MHz crystal oscillator drives the base of Q1 the final/buffer amplifier.
The modulation provided by Mic (SP1). The output of Q1 has the matching network consisting of C1, C5, C2, C6 and T1 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 7.5cm 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 ("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. There is one button to switch the EUT from receiving mode to transmitting mode by pressing the button. The operation is achieved by different combinations of form amplitude modulating signal on the 49.86MHz carrier frequency.

Remarks:
The transmitter is a one button transmitter. The EUT continues to transmit while button is being pressed. It is button transmitter, Modulation by Microphone; and type is Amplitude modulation.