

FCC ID: SVDJP-68768

Circuit Description

The 49.86MHz crystal oscillator drives the base of Q1 the final/buffer amplifier. The modulation provided by microphone. The output of Q1 has the matching network consisting of L1, C6 and C1, C2, C4 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 an 8cm 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 ("LR44" size battery x 6) for RF part of the EUT, and a 3 Volt ("AAA" size battery x 2) primary battery for control and display units.

Operation Descriptions

The transmitter is a Walkie Talkie operating at 49.86MHz band. The transmitter is powered by a 9V battery ("LR44" size battery x 6) and the transmitting frequency is crystal controlled. There are a button to control the operation is achieved by different combinations of form operation of transmitting or receiving signals and amplitude modulation signal the 49.86MHz carrier frequency.

Remarks:

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