

FCC ID: SVDJP09-882768

Circuit Description

The 49.86MHz crystal oscillator drives the base of Q6 the final/buffer amplifier. The modulation provided by Mic 1. The output of Q7 has the matching network consisting of R19, R16 and L2, L1 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 18.2cm 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 are 2 buttons to control EUT transmitting voice or morse code. 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 modulation.