

FCC ID: MQDMILWT-5344

Circuit Description

The 49.86MHz crystal oscillator drives the base of Q4 the final/buffer amplifier. The modulation provided by Micro. The output of Q4 has the matching network consisting of T1, L1, R101 and C1,C2, C3, C12 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 16cm long (metallic 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. 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.