

FCC ID: II622210
Circuit Description

The 49.860MHz crystal oscillator drives the base of Q1 the final/buffer amplifier. The modulation provided by IC1. The output of Q1 has the matching network consisting of C3, C4, C6 and 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 8cm long telescoping chrome over brass tubing. 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 49.860MHz 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 pulse modulating signal on the 49.860MHz carrier frequency.

Remarks:

The transmitter is a 2 buttons transmitter. The EUT continues to transmit while button is being pressed. It is button transmitter, Modulation by IC; and type is Pulse modulation.