

FCC ID: II677201

Circuit Description

The 49.86MHz crystal oscillator drives the base of Q1 the final/buffer amplifier. The modulation provided by IC. The output of Q2 has the matching network consisting of C6, C7, L2, L3 and L8 that limit the harmonic content and affect the proper coupling of the antenna to the output stage.

Antenna, Ground and Power Source

The antenna consists of a 13.5cm long antenna
There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 4.5 Volt ("LR44" size battery x 3) primary battery

Operation Descriptions

The transmitter is an audio signal transmitter operating at 49.86MHz band. The transmitter is powered by a 4.5V battery ("LR44" size battery x 3) and the transmitting frequency is crystal controlled. There are 2 buttons to control the type of output sound. The operation is achieved by different combinations of form pulse modulating signal on the 49.86MHz carrier frequency.

Remarks:

The transmitter is a 2 buttons transmitter. The EUT continues to transmit while switched on. Modulation by IC; and type is Pulse modulation.