

## FCC ID: LU9399490

### Circuit Description

The 49.86MHz crystal oscillator drives the base of Q2 the final/buffer amplifier. The modulation provided by U1. The output of Q2 has the matching network consisting of L3, L4, C10, C11 and C9 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 26cm 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 3 Volt (“AAA” size battery x 2) primary battery

#### Operation Descriptions

The transmitter is a RC car controller operating at 49.86MHz band. The transmitter is powered by a 3V battery (“AAA” size battery x 2) and the transmitting frequency is crystal controlled. There are 2 buttons to control the forward motor and left movement. The operation is achieved by different combinations of form pulse 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 IC; and type is Pulse modulation.