

Application No.: HM155209

Date: 2005-10-06

FCC ID: OGM12169TX-49

Circuit Description

The 49.86MHz crystal oscillator drives the base of Q1 the final/buffer amplifier. The modulation provided by U1. The output of Q2 has the matching network consisting of L1 and C1 & C2 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 40.7cm 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 ("AA" size battery x 2) primary battery.

Operation Descriptions

The transmitter is a toy car operating at 49.86MHz band. The transmitter is powered by a 3 battery (AA x 2) and the transmitting frequency is crystal controlled. There are 2 joystick to control the forward reverse motor and director of 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 Joystick transmitter.

The EUT continues to transmit while Joystick is being pressed.

It is Pulse transmitter, Modulation by IC; and type is Pulse modulation.