

Application No.: HM156687

Date: 2006-07-10

FCC ID: S3671312TOM06

Circuit Description

The 49.86MHz crystal oscillator drives the base of Q2 the final/buffer amplifier. The modulation provided by IC. The output of Q2 has the matching network consisting of C4 and C8 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 27.6 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 4.5 Volt ("AA" size battery x 3) primary battery.

Operation Descriptions

The transmitter is a remote control toy operating at 49.86MHz band. The transmitter is powered by a 4.5Vd.c battery ("AA" x 3) and the transmitting frequency is crystal controlled. There are 2 buttons 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 Buttons transmitter.

The EUT continues to transmit while Button is being pressed.

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