Application No.: HM157348

Date: 2006-09-12

Circuit Description

The 27.145MHz crystal oscillator drives the base of Q1 the final/buffer amplifier. The modulation provided by IC. The output of Q1 has the matching network consisting of L1 and C1 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 96.5cm 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 9 Volt ("6F22" size battery x 1) primary battery.

Operation Descriptions

The transmitter is a remote control toy operating at 27.145MHz band. The transmitter is powered by a 9 battery (6F22) 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 27.145MHz 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.