

Application No.: HM158062

Date: 2007-01-22

FCC ID: QKX01033

Circuit Description

The 27.145MHz crystal oscillator drives the base of Q5 the final/buffer amplifier. The modulation provided by IC. The output of Q5 has the matching network consisting of C12, C13 and L3 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 29cm long telescoping chrome over brass tubing / 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 remote control toy operating at 27.15MHz band. The transmitter is powered by a 3V battery ("AA" size battery x2) and the transmitting frequency is crystal controlled. There are 3 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 27.15MHz carrier frequency.

Remarks:

The transmitter is a 3 button transmitter. The EUT continues to transmit while button is being pressed. It is pulse transmitter, Modulation by IC; and type is pulse modulation.