FCC ID: U96-RCS4

Circuit Description

The 49.86MHz crystal oscillator drives the base of Q3 the final/buffer amplifier.
The modulation provided by transistor. The output of Q3 has the matching network consisting of T1, C6, C7 and C8, C9, L1 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 28cm 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 49.86MHz band. The transmitter is powered by a 9V battery ("6F22" size battery x 1) 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 button transmitter. The EUT continues to transmit while button is being pressed. It is button transmitter, Modulation by IC; and type is Pulse modulation.