

FCC ID: N8F050149TX

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 L4 and C9 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 26.5cm long telescoping chrome over brass tubing. 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 controller for a remote controlled toy car operating at 49.86MHz band. The transmitter is powered by a 3V battery (AA x 2) and the transmitting frequency is crystal controlled. There are two button 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.