Application No.: HM155219

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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 L4and C6 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 35cm 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 ("AA" size battery x 6) primary battery.

Operation Descriptions

The transmitter is a _ toy car operating at 49.86MHz band. The transmitter is powered by a 9Volt battery (AA x 6) 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 49.86MHz carrier frequency.

Remarks:
The transmitter is a 2Joystick transmitter.
The EUT continues to transmit while Joystick is being pressed.
It is Pulse transmitter, Modulation byIC; and type is Pulse modulation.