Application No.: HM155455

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Circuit Description

The 49.86MHz crystal oscillator drives the base of Q2 the final/buffer amplifier. The modulation provided by Q1, C3 & L1. The output of Q2 has the matching network consisting of L4 and _____ 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 29.4cm 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 3 Volt ("AA" size battery x 2) primary battery.

Operation Descriptions

The transmitter is a _toy car operating at 49.86MHz band. The transmitter is powered by a 3Volt battery (AA x 2) and the transmitting frequency is crystal controlled. There are one 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 1 Trigger transmitter.
The EUT continues to transmit while Trigger is being pressed.
It is Pulse transmitter, Modulation by transistor and type is Pulse modulation.