Application No.: HM155618

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Circuit Description

The 49.86MHz crystal oscillator drives the base of Q2 the final/buffer amplifier. The modulation provided by C3 & C5 / L1. The output of Q2 has the matching network consisting of L4 & L3 and C8 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 40.7cm 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 1 trigger 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 byIC; and type is Pulse modulation.