

FCC ID: G6DBT44-4

Circuit Description

The 14.29375MHz crystal oscillator drives the base of Tx module 1 the final/buffer amplifier.

The modulation provided by Tx module 1. The output of Tx module 1 has the matching network consisting of C11, C12, C13, L2 and L3 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 21cm long wire antenna.

There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 3.7 Volt ("rechargeable size" x 1) primary battery

Operation Descriptions

The transmitter is a remote control toy operating at 914.8MHz band. The transmitter is powered by a 3.7 Volt ("rechargeable size" x 1) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the 914.8MHz carrier frequency.

Remarks:

The transmitter is a 4 button transmitter. The EUT continues to transmit while button is being pressed. It is button transmitter, Modulation by IC; and type is ASK modulation.