

FCC ID: HOG10413TX  
Circuit Description

The 16 MHz crystal oscillator drives the IC .

The modulation provided by IC. The output of U1 has the matching network consisting of L4 and C16, C17, C18 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 33mm wire antenna.

There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 4.5 Volt ("AA" size battery x 3) primary battery

**Operation Descriptions**

The transmitter is a Remote control toy operating at 2.4GHz band. The transmitter is powered by a 4.5V battery ("AA" size battery x 3) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the 2.4GHz carrier frequency.

Remarks:

The transmitter is two joystick transmitter. The EUT continues to transmit while Power on. Modulation by IC; and type is GFSK (FHSS – Frequency Hopping Spread Spectrum) modulation.