

Circuit Description

The 16MHz crystal oscillator drives the base of IC.

The modulation provided by IC. The output of U102 has the matching network consisting of BF2520 and C124, C126, L106, C127 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 26mm long 2.4GHz antenna.

There is no external ground connection. The ground is only that of the printed circuit board.

Electric current is supplied by a 12 Volt ("AA" size battery x 8) primary battery

Operation Descriptions

The transmitter is a remote control toy operating at 2400MHz band. The transmitter is powered by a 12V battery ("AA" size battery x 8) and the transmitting frequency is IC controlled. The operation is achieved by different combinations of form pulse modulating signal on the 2400MHz carrier frequency.

Remarks:

The transmitter is a 2 trigger transmitter. The EUT continues to transmit while trigger is being pressed. It is trigger transmitter, Modulation by IC; and type is GFSK modulation.