

Circuit Description

The 16.0MHz crystal oscillator drives the base of IC final amplifier

The modulation provided by IC. The output of U102 has the matching network consisting of C124,C126,C127,L106 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 10.5cm omni-directional (2 dBi) antenna.

There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 9 Volt ("AA" size battery x 6) primary battery

Operation Descriptions

The transmitter is a Remote control System operating at 2.4GHz band. The transmitter is powered by a 9V battery ("AA" size battery x 6) 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.