

Circuit Description

The 16.0MHz crystal oscillator drives the base of UPG2314 the final amplifier. The modulation provided by 24L01. The output of antenna has the matching network consisting of F2 and C4, C12 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 245mm long Rubber Duck Antenna. There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 6 Volt ("AA" size battery x 4) primary battery

Operation Descriptions

The transmitter is a GFSK operating at 2.4GHz band. The transmitter is powered by a 6V battery ("AA" size battery x 4) 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 a two joystick transmitter. The EUT continues to transmit while joystick is being pressed. It is joystick transmitter, Modulation by IC; and type is Pulse Frequency modulation.