

Circuit Description

The 26MHz crystal oscillator drives the base of F-3096(U1) the final/buffer amplifier. The modulation provided by F-3096(U1). The output of F-3096(U1) has the matching network consisting of C1 and C10 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 2.4GHz Single dipole antenna coil PCB antenna chrome over brass tubing.

There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 3.7Vdc voltage primary battery.

Operation Descriptions

The transmitter is a RADIO operating at 2400-2.483.5MHz MHz band. The transmitter is powered by a 3.7V battery and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the 2400 MHz carrier frequency.

Remarks:

The transmitter is a trigger transmitter. The EUT continues to transmit while trigger is being pressed. It is trigger transmitter, Modulation by Crystal; and type is Pulse Frequency modulation.