

Circuit Description

The 16MHz crystal oscillator drives the base of IS1684S(U1) the final/buffer amplifier. The modulation provided by IS1685N(U1). The output of IS1685S(U1) has the matching network consisting of C1 and C9 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. There is no external ground connection. The ground is only that of the printed circuit board. Electric current is supplied by a 3.7 Volt .

Operation Descriptions

The transmitter is a RADIO operating at 2400-2.483.5MHz MHz band. The transmitter is powered by a 3.7V battery (" " size battery x) and the transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal on the 2400MHz 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 IC; and type is FHSS.