

Circuit Description

The 26MHZ crystal oscillator drives the base of U3.

The modulation provided by BK3251(U3). The output of BK3251(U3) has the matching network consisting of L5 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 ("403040) primary battery

Operation Descriptions

The transmitter is a RADIO operating at 2400-2.483.5MHz 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 2400MHz carrier frequency.

Remarks:

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