

Circuit Description

The 24MHz crystal oscillator drives the base of Y1.

The modulation provided by AC6919A(U2). The output of AC6919A module (U2) has the matching network consisting of L3 and L4 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 primary battery

Feature:

Frequency Range: 2402MHz-2480MHz

Modulation Type: GFSK, $\pi/4$ -DQPSK

Antenna Type: Internal Antenna

Crystal: 24MHz

Hardware Version: XL-001-AC6919A V1.3