

Circuit Description

The 24MHz crystal oscillator drives the base of Y1.

The modulation provided by AC6936B (U2) has the matching

network consisting of L2, L5, L6 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 Ceramic 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: PCB Antenna

Crystal: 24MHz

Hardware Version: XL-Z017-AC6939B V1.2-20190618