Circuit Description

The USB connect the computer and then provide engergy for PCBA(TLSR8513),Crystal oscillator(16MHz) provide the signal for the PCBA.The TLSR8513 built in a QDEC and used for Z-axis decoding.The get through a matching circuit,and then transmitted to the space through the antenna.

Frequency Range ：2405MHz - 2475MHz

Circuit Description

The 24MHZ crystal oscillator drives the base of Y1.

The modulation provided by AC6919A(U1). The output of AC6919A module (U1)has the matching network consisting of L1、C1 and C3 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,π/4-DQPSK
Antenna Type: Internal Antenna
Crystal: 24MHz