

## Circuit Description

1. Battery (3.7V) provides working voltage for the Bluetooth chip (AC6965E);Crystal oscillator(24 MHz) provides the clock signal for the Bluetooth chip.
2. Bluetooth signals get through a connected matching Bluetooth device, when connected, the antenna (2402MHz-2480MHz) is used for communication, the product can be in two-way communication with other Bluetooth devices, send Bluetooth signals into space, the product receives the Bluetooth signal through the antenna, transmission to the Bluetooth chip via matching circuit.
3. Select Bluetooth, FM, TF card, USB and external music source to play music by function buttons.
4. Modulation Technique Bluetooth: GFSK,  $\pi/4$ -DQPSK,8DPSK