

Operation Of Description

This product is a Bluetooth speaker.

The EUT received DC 3.7V power by li-ion battery(300mAh) and the recharged voltage is DC 5V/1000mA. The USB 2.0 port is only used for charging and can not used for exchange data with PC.

It works in the 2.4GHz worldwide ISM band.

Operation Frequency: 2402M-2480MHz (Bluetooth V2.1+EDR), which transmit by 79 frequency hopping signal between 2402MHz and 2480MHz, (Channel Frequency=2402+1(K-1), K=1, 2, 379). Using a PCB antenna and the antenna gain is 0dBi(Max.).

Modulation Type: GFSK (1Mbps), $\pi/4$ -DQPSK (2Mbps), 8-DPSK (3Mbps).

Using a standard Bluetooth radio system in the 2.4GHz ISM band, based on the RF chipset CW6651 which is derived by crystal 26MHz.

Feature description

- Compliant with Bluetooth V2.1+EDR specification
- about -90dBm sensitivity
- Operates in 2.402-2.480 GHz ISM band
- Easy to build using simple SMD