

Circuit Description

Bluetooth Speaker

Model: SP3037

The [26MHZ](#) crystal oscillator drives the base of [U1](#).
The modulation provided by [BK3256\(U1\)](#).

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.

Operation Descriptions

The transmitter is a [RADIO](#) operating at [2402-2.480MHz](#) band. The transmitting frequency is crystal controlled. The operation is achieved by different combinations of form pulse modulating signal

Features

Bluetooth v2.1+EDR
Operation Frequency: 2402~2480MHz
Modulation Type: GFSK, $\pi/4$ -DQPSK
USB Port: Charge only without data exchange.
Crystal oscillator: 26MHz
Antenna: PCB antenna
Antenna gain: 0dBi