

## Operation Of Description

### **Bluetooth:**

Operation Frequency: 2402M-2480MHz, which transmit by 79 hopping channels.

Frequency hopping signal between 2402MHz and 2480MHz, (Channel Frequency=2402+1(K-1), K=1, 2, 3 .....79). FPC type antenna gain is -0.61dBi.

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 CSR8645 which is derived by crystal 26MHz

### **FM Transmitter**

IC QN8027 chipset is derived by crystal 12MHz

FM transmit frequency: 88.1MHz to 107.9MHz, Antenna gain: 0 dBi ( Aux in Cable)

Modulation Type: FM

Highly integrated single-chip IC with protocol specification with radio transceiver and baseband the Processor, which is compliant Bluetooth protocol specification

### Feature description

- Easy to build using simple SMD
- Audio output/ USB charger port
- DC12V by Vehicle