

## Operation description

This product uses the Bluetooth wireless communication technology, using a CSR BC06 Bluetooth chipset and Bluetooth Specification Ver2.1 + EDR technology to provide you with a fast and reliable voice, pictures, images, data transmission.

Work in the ISM 2.4GHZ band, using frequency-hopping transceiver to achieve the interference and the role of inhibition of signal attenuation, the use of binary frequency modulation (FM) mode can reduce the complexity, the symbol rate is 1Mb/s. Channels 625us. Full-duplex, time division (TDD) transmission solution to achieve duplex transmission. Maximum output power :0-6dB

### Wireless signal using Gaussian Frequency Shift

Keying (GFSK) modulation mode, transmit data (Tx) filtered by Gaussian filter, with the filter output of the VCO frequency modulation. Serial input data stream according to the logic level, VCO frequency from its center frequency deviation to the positive and negative. The offset determines the transmitter modulation index, modulation of the signal amplified by the antenna out.