Operation Principle

The Bluetooth Headset designed with a transmitting method of Frequency Hopping spread spectrum is for local area network operation, which operates at 2.4GHz ISM band and data rate up to 11Mbps.

The channel is represented by a pseudo-random hopping sequence through the 79 channels. The channel is divided into time slots, with a nominal slot length where each slot corresponds to different RF hop frequencies. The nominal hop rate is 1600 hops/s.

Any device that you want to use with the Bluetooth Headset has to be compatible with Bluetooth wireless technology and support the Headset Profile. To be able to use the Headset together with a mobile phone, the mobile phone must built-in Bluetooth capability.