

# FCC ID: NLFBT56R-BN

## BT56R Modem Working Theorem

BT56R Modem working theorem divided into two parts: Bluetooth and Modem.

Bluetooth working theorem : the frequency of Bluetooth is 2.4GHz ISM (Industrial-Scientific-Medicine) , working frequency is 2.400GHz to 2.4835GHz.and use frequency hopping technology to reduce interference of data transmission and receiving, and increase security of information transferring. Data was transmitting and receiving during fixed cycle in 78 channels by frequency hopping technology. Bluetooth combines with UART Protocol, the data code is passed to RS232 communicating connect level which links Bluetooth and Modem, to transmit and receive with Modem and ISP after data code is confirmed through a filter when data is received by Bluetooth antenna.