Bluetooth headset operates in the 2.4GHz range, exactly between the 2.402GHz and the 2.480GHz.The maximum of covering range is 10m.

BlueCore4 Bluetooth IC is the center of the whole block, integrated the RF circuit and baseband-controlling circuit, and supplied ample interfaces. In the block, a embedded 16MHz crystal supplies timer clock for IC, and a embedded voltage regulator supplies 1.8V positive voltage for Balum etc..