

## RF Exposure Requirements

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Product Description: Self-balancing Unicycle

Model No.: KS

FCC ID: 2ADW6KS

According to the KDB 447498 D01 V05r02, the following RF exposure evaluation shall to demonstrate RF exposure compliance.

### **Bluetooth (For V4.0 module)**

Tx frequency range: 2402~2480MHz

Device category: Portable device (Distance: 5mm)

Maximum Conducted Output Power: 4.2dBm (at 2402MHz)

Maximum Conducted Output Power: 2.63mW

Turn-up Power: 3.00mW

SAR test exclusion: (max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [  $\sqrt{f(\text{GHz})/x}$ ] W/kg=0.12W/kg

### **Bluetooth (For V2.0 module)**

Tx frequency range: 2402~2480MHz

Device category: Portable device (Distance: 5mm)

Maximum Conducted Output Power: -3.16dBm (at 2402MHz)

Maximum Conducted Output Power: 0.48mW

Turn-up Power: 1.00mW

SAR test exclusion: (max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [  $\sqrt{f(\text{GHz})/x}$ ] W/kg=0.04W/kg

Limited: 0.4W/kg

Simultaneous transmission=0.12+0.04=0.16W/kg

0.16 W/kg < 0.4 W/kg

So the transmitter complies with the RF exposure requirements and the SAR is not required.