RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION	
Product Description	BT+2.4G Keyboard
Model Name	HD246-T02, HD246-T01
FCC ID	2AKHJ-HD246-T02

2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v05

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\left[\sqrt{f(GHz)}\right] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

Where f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

3. CALCULATION

BLE:

P_t= -3.440dBm=0.45mW

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation SAR=(0.45mW /5mm) .[$\sqrt{2.440GHz}$)]=0.14<3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR.

2.4G

Pt=-5.018dBm=0.31mW

The value of the Maximum output power P_t is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation SAR=(0.31mW /5mm) .[$\sqrt{2.480GHz}$)]=0.09<3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR.

Note: The 2.4G and BLE mode can not transmitter at the same time

4. CONCLUSION

The SAR evaluation is not required.