RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION	
Product Description	Wireless Keyboard
Model Name	HD238-3
FCC ID	2AKHJ-HD238

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)] $\cdot [\sqrt{f}(GHz)] \le 3.0$ 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= -0.186dBm=0.958mW

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=(0.958mW /5mm) .[$\sqrt{2.480GHz}$)]=0.301<3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR.

2.4G

P_t=1.069dBm=1.279mW

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=(1.279mW /5mm) .[$\sqrt{2.441GHz}$]=0.312<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.