

# RF EXPOSURE EVALUATION

## 1. PRODUCT INFORMATION

Product Description	Bluetooth Keyboard
Test Model	HB186-3
Series Model	BTMLUXKEY
FCC ID	2AKHJ-HB186-3

## 2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 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  $\le 7.5$  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

#### BR/EDR

Pt=-6.329dBm=0.23mW

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

The result for RF exposure evaluation SAR=(0.23mW/5mm).[ $\sqrt{2.402}(\text{GHz})$ ]= 0.071<3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR.

## 4. CONCLUSION

The SAR evaluation is not required.

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