

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Wireless Mouse
Model Name	MD168
Series Model	MB168, JP-062KM-3, JP-062KM-2, JP-062KML-2, JP-062KML-3, MD158L, MB158L, JP-064-2, JP-064-3
FCC ID	2AKHJ-MD168

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 ≤ 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

2.4GHz:

P_t=-7.809dBm=0.166mW

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=(0.166mW / 5mm).[$\sqrt{2.402}$ GHz)]=0.051<3.0 for

BLE:

Pt=-5.131dBm=0.307mW

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= $(0.307 \text{mW} / 5 \text{mm}).[\sqrt{2.480 \text{GHz}}]=0.095<3.0$ for

4. CONCLUSION

The SAR evaluation is not required.

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