

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Wireless Mouse
Model Name	MD156S
FCC ID	2AKHJ-MD156S

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

BLE:

Pt= -1.380dBm=0.73mW

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= (0.73mW / 5mm). [$\sqrt{2.402\text{GHz}}$)]=0.23<3.0 for 1-g SAR and \leq 7.5 for 10-g extremity SAR.

2.4G:

 $P_t = -2.537 dBm = 0.56 mW$

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= (0.56mW / 5mm). [$\sqrt{2.403\text{GHz}}$)]=0.17<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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