

RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Wireless Headphone
Model Name	A3935RT
FCC ID	2AOKB-A3935RT

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

BR/EDR:

P+=9.800dBm=9.54mW

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= $(9.54\text{mW} / 5\text{mm}).[\sqrt{2.480\text{GHz}}]=2.99<3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE:

P_t=8.203dBm=6.61mW

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= $(6.61 \text{mW} / 5 \text{mm}).[\sqrt{2.440 \text{GHz}}]=2.06<3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

4. CONCLUSION

The SAR evaluation is not required.

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