

# RF EXPOSURE EVALUATION

#### 1. PRODUCT INFORMATION

Product Description	Wireless Headphone	8	· ·
Model Name	A3931R		
FCC ID	2AOKB-A3931R	GC	-0

#### 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 ≤ 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= 8.737dBm=7.48mW

The value of the Maximum output power P<sub>t</sub> is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation SAR= $(7.48 \text{mW} / 5 \text{mm}) \cdot [\sqrt{2.402 \text{GHz}}] = 2.32 < 3.0 \text{ for } 1-\text{g SAR}$  and  $\leq 7.5$  for 10-g extremity SAR.

BLE:

P<sub>t</sub>= 0.507dBm=1.12mW

The value of the Maximum output power P<sub>t</sub> is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation SAR=(1.12mW /5mm) .[ $\sqrt{2.402}$ GHz)]= 0.35<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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