



## RF EXPOSURE EVALUATION

### 1. PRODUCT INFORMATION

Product Description	Wireless Headphone
Model Name	A3944, A3943
FCC ID	2AOKB-A3943

### 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  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

Where  $f(\text{GHz})$  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(Left):

$P_t=4.956\text{dBm}=3.130\text{mW}$

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  $\text{SAR}=(3.130\text{mW}/5\text{mm}) \cdot [\sqrt{2.402\text{GHz}}]=0.970<3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

#### BLE 1M(Left):

$P_t=4.922\text{dBm}=3.106\text{mW}$

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  $\text{SAR}=(3.106\text{mW}/5\text{mm}) \cdot [\sqrt{2.402\text{GHz}}]=0.963<3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

#### BLE 2M(Left):

$P_t=5.326\text{dBm}=3.409\text{mW}$

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  $\text{SAR}=(3.409\text{mW}/5\text{mm}) \cdot [\sqrt{2.440\text{GHz}}]=1.065<3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

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**BR/EDR(Right):**

$P_t=3.897\text{dBm}=2.453\text{mW}$

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  $\text{SAR}=(2.453\text{mW}/5\text{mm}) \cdot [\sqrt{2.402\text{GHz}}]=0.760<3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

**BLE 1M(Right):**

$P_t=1.057\text{dBm}=1.276\text{mW}$

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  $\text{SAR}=(1.460\text{mW}/5\text{mm}) \cdot [\sqrt{2.402\text{GHz}}]=0.395<3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

**BLE 2M(Right):**

$P_t=1.249\text{dBm}=1.333\text{mW}$

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  $\text{SAR}=(1.333\text{mW}/5\text{mm}) \cdot [\sqrt{2.402\text{GHz}}]=0.413<3.0$  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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