

## RF EXPOSURE EVALUATION

### 1. PRODUCT INFORMATION

|                     |                    |
|---------------------|--------------------|
| Product Description | Wireless Headphone |
| Model Name          | A3927, A3926       |
| FCC ID              | 2AOKB-A3927        |

### 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):

$P_t = 3.560\text{dBm} = 2.270\text{mW}$

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  $\text{SAR} = (2.270\text{mW} / 5\text{mm}) \cdot [\sqrt{2.441\text{GHz}}] = 0.709 < 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

#### BLE 1M(Left):

$P_t = 2.435\text{dBm} = 1.752\text{mW}$

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  $\text{SAR} = (1.752\text{mW} / 5\text{mm}) \cdot [\sqrt{2.402\text{GHz}}] = 0.543 < 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

#### BLE 2M(Left):

$P_t = 2.446\text{dBm} = 1.756\text{mW}$

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  $\text{SAR} = (1.756\text{mW} / 5\text{mm}) \cdot [\sqrt{2.440\text{GHz}}] = 0.549 < 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

**BR/EDR(Right):**

$P_t=2.874\text{dBm}=1.938\text{mW}$

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  $\text{SAR}=(1.938\text{mW}/5\text{mm}) \cdot [\sqrt{2.402\text{GHz}}]=0.601<3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

**BLE 1M(Right):**

$P_t=1.644\text{dBm}=1.460\text{mW}$

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  $\text{SAR}=(1.460\text{mW}/5\text{mm}) \cdot [\sqrt{2.402\text{GHz}}]=0.453<3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR.

**BLE 2M(Right):**

$P_t=1.593\text{dBm}=1.443\text{mW}$

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  $\text{SAR}=(1.443\text{mW}/5\text{mm}) \cdot [\sqrt{2.402\text{GHz}}]=0.447<3.0$  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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