RF EXPOSURE EVALUATION

1. PRODUCT INFORMATION

Product Description	Wireless Headphone
Model Name	A3948L
FCC ID	2AOKB-A3948L

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)] ·[√f(GHz)] ≤ 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:

Pt=2.138dBm=1.636mW

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=(1.636mW /5mm) .[√2.402GHz)]=0.51<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE 1M:

Pt= -1.250dBm=0.750mW

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=(0.750mW /5mm) .[√2.480GHz)]=0.24<3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

BLE 2M:

Pt=2.039dBm=1.599mW

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=(1.599mW /5mm) .[√2.440GHz)]=0.50<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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