

# **RF EXPOSURE EVALUATION**

## **I. PRODUCT INFORMATION**

Product Description	Wireless Headphone
Model Name	A3935LT
FCC ID	2AOKB-A3935LT

# 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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]  $\left[\sqrt{f(GHz)}\right] \le 3.0$  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=9.739dBm=9.42mW

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=(9.42mW / 5mm).[ $\sqrt{2.480GHz}$ )]=2.96<3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR.

BLE:

P<sub>t</sub>=8.333dBm=6.81mW

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=(6.81mW / 5mm).[ $\sqrt{2.440}$ GHz)]=2.13<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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