# **RF EXPOSURE EVALUATION**

### **1. PRODUCT INFORMATION**

Product Description	Bluetooth Headphone
Model Name	KBJ-299N, EBH01299
FCC ID	2AA7XKBJ-299N

## 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  $\leq$  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

BLE:

Pt=-3.603dBm=0.44mW

The value of the Maximum output power Pt is referred to the test report of the CFR47 §15.247.

The result for RF exposure evaluation SAR=(0.44mW /5mm) .[ $\sqrt{2.402(GHz)}$ ]= 0.14<3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR.

BR/EDR:

Pt=-5.873dBm=0.26mW

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=(0.26mW /5mm) .[ $\sqrt{2.402(GHz)}$ ]= 0.08<3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR.

#### 4. CONCLUSION

The SAR evaluation is not required.