### RF EXPOSURE EVALUATION

#### 1. PRODUCT INFORMATION

Product Description	Active noise cancelling bluetooth headphones
Model Name	HB-A1, V8S, V8P, S2, V6S
FCC ID	2AID3-HB-A1

#### 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 ≤ 50 mm are determined by:

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

According to the follow transmitter output power  $(P_t)$  formula:  $P_{t}= (E \times d)^{2}/(30 \times g_{t})$ 

Pt=transmitter output power in watts

gt=numeric gain of the transmitting antenna (unitess)

E=electric field strength in V/m

d=measurement distance in meters (m)

Pt=-4.196dBm=0.38mW

The result for RF exposure evaluation SAR= $(0.38\text{mW}/5\text{mm}) \cdot [\sqrt{2.48}(\text{GHz})] = 0.12 < 3.0 \text{ for } 1-\text{g SAR}$ 

## 4. CONCLUSION

The SAR evaluation is not required.