

# FCC RF Exposure

EUT Description: **Bluetooth & USB DAC Headphone Amplifier**

Model No.: **X24022**

FCC ID: **2AQXH-X24022**

## 1. Limits

According to KDB 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:

$[(\text{max power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR,}$

Where:

$$\text{Result} = P/D \cdot \sqrt{F}$$

F= the RF channel transmit frequency in GHz

P=Maximum turn-up power in mw

D=Min. test separation distance in mm

## 2. Test Result of RF Exposure Evaluation

### 2.4G

	Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power mW	Min test separation distance mm	Result	Limit	SAR Test Exclusion
EDR	9.464	8.5±1(9.5)	8.913	5	2.763	3.0	Pass

Note:  
PK Output power= conducted power.  
Conducted power see the test report **HK2106031732-E**  
antenna gain=5dBi

Per KDB 447498 D01, when the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 2.763 which is  $\leq 3$ , SAR testing is not required.

Note: Exclusion Thresholds Results =  $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$

$f(\text{GHz})$  is the RF channel transmit frequency in GHz

Distance=5mm