

# FCC SAR Exclusion Report

**FCC ID: 2APDTA02BT**

**Report No.** : BTL-FCCP-2-2011T130  
**Equipment** : Aquarius - 02 over ear for music ANC Earphone  
**Model Name** : A02BT  
**Brand Name** : IONE  
**Applicant** : IONE ELECTRONIC TECHNOLOGY CO.,LTD. TAIWAN BRANCH  
**Address** : 8F-2, #75, Sec. 1, Hsin Tai Wu Rd. Hsichih, Taipei Hsien, Taiwan, R.O.C.

**FCC Rule Part(s)** : FCC Part 2, Subpart J (§2.1093)  
KDB 447498 D01 General RF Exposure Guidance v06

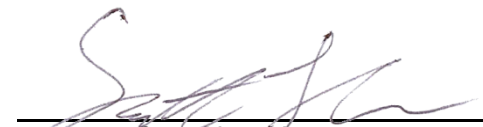
**Date of Receipt** : 2020/11/25  
**Date of Test** : 2020/11/25 ~ 2020/12/23  
**Issued Date** : 2021/1/29

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

**Prepared by**

  
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**REPORT ISSUED HISTORY**

Report Version	Description	Issued Date
R00	Original Issue.	2021/1/7
R01	Revised Typo.	2021/1/11
R02	Revised report to address TCB's comments.	2021/1/15
R03	Revised report to address TCB's comments.	2021/1/29

According to KDB 447498 section 4.3.1 a), the 1-g SAR test exclusion thresholds at test separation distance  $\leq 50$  mm are determined by:

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

The maximum tune up power is 0 dBm +/- 2dB, therefore the highest tune-up powers is

$$2.0 \text{ dBm} \quad (1.58 \text{ mW}) \quad @ 2402 \text{ MHz}$$

When the minimum test separation distance is  $< 50$  mm, a distance of 5 mm according to e) in section 4.1 is applied to determine SAR test exclusion.

So,

$$( 2\text{mW} / 5\text{mm} ) * ( 2.402\text{GHz} ^{0.5} ) = 0.5$$

$$[( \text{max. power of channel, including tune-up tolerance, mW} ) / ( \text{min. test separation distance, mm} )] * [\sqrt{f(\text{GHz})}] = 0.5 < 3.0$$

Therefore, standalone SAR measurements are not required for both head and body.

**End of Test Report**