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.

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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 ≤ 50 mm are determined by:

{ [(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] *·[√f(GHz)] ≤ 3.0

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

2.0 dBm (1.58 mW) @ 2402 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,

(	2mW	/	5mm) * (	2.402GHz ^0.5)=	0.5	

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

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

End of Test Report