



REPORT No.: SZ23060308S01

RF EXPOSURE EXEMPT REPORT

APPLICANT : Innovative Eyewear, Inc.

PRODUCT NAME : Active noise cancelling stereo Bluetooth
headphone

MODEL NAME : LCD00X

BRAND NAME : Lucyd, Nautica, Eddie Bauer, Reebok

IC : 30961-LCD00X

STANDARD(S) : RSS-102 Issue 5

RECEIPT DATE : 2023-06-29

TEST DATE : 2023-07-05 to 2023-07-20

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MORLAB

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Change History		
Version	Date	Reason for change
1.0	2023-08-29	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Innovative Eyewear, Inc.
Applicant Address:	D:\Sxx Report\2023\SZ23060308 IC 深圳晶讯
Manufacturer:	Innovative Eyewear, Inc.
Manufacturer Address:	D:\Sxx Report\2023\SZ23060308 IC 深圳晶讯

1.2. Equipment Under Test (EUT) Description

Product Name:	Active noise cancelling stereo Bluetooth headphone
Sample No.:	4#
Hardware Version:	HT-LCD006-V02
Software Version:	Lucyd Lyte-1735-b4f52dd3
Equipment Type:	Bluetooth
Bluetooth Version:	5.3
Operating Frequency Range:	2402MHz-2480MHz
Modulation Type:	FHSS (GFSK(1Mbps), $\pi/4$ -DQPSK(EDR 2Mbps))
Antenna Type:	Ceramic Antenna
Antenna Gain:	3.12dBi

Note 1: According to the certificate holder, they declare that the for model: LCD00X have multiple brands, These different trade names are as follows: Lucyd, Nautica, Eddie Bauer, Reebok, only different for brand name, all RF parameters remain the same. The main measuring model is Lucyd, only the results for Lucyd were recorded in this report.



1.3. Applied Reference Documents

Leading reference documents for testing:

Identity	Document Title	Method Determination /Remark
RSS-102 Issue 5	Radio Frequency (RF) Exposure Compliance of Radio communication Apparatus (All Frequency Bands)	No deviation
Note 1: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table. Note 2: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% risk level.		

2. Measurement of RF Output Power

<Bluetooth output Power>

Mode	Channel	Frequency (MHz)	Average Power (dBm)	
			GFSK	$\pi/4$ -DQPSK
Bluetooth classic	CH 00	2402	-0.65	-2.15
	CH 39	2441	-0.7	-1.89
	CH 78	2480	-0.79	-2.35
Tune-up Limit			-0.50	-1.50

Mode	Channel	Frequency (MHz)	E.I.R.P. (dBm)	
			GFSK	$\pi/4$ -DQPSK
Bluetooth classic	CH 00	2402	2.47	0.97
	CH 39	2441	2.42	1.23
	CH 78	2480	2.33	0.77
Tune-up Limit			2.50	1.50

Note 1: According to RSS-102 Issue5, output power level shall be the higher of the maximum conducted or equivalent isotropically radiated power (e.i.r.p.) source-based, time-averaged output power and it will be used for calculating exemption Limits for Routine Assessment.

Note 2: The output power refers to report (Report No.: SZ23060308W01).

3. RF Exposure Assessment

According to the section 2.5.1 of RSS-102 Issue 5, SAR assessment is required if the separation distance between the user and/or bystander and the antenna and/or radiating element of the device is less than or equal to 20 cm, except when the device operates at or below the applicable output power level (adjusted for tune-up tolerance) for the specified separation distance defined in Table 1.

Table 1: SAR Assessment – Exemption limits for routine assessment based on frequency and separation distance

Frequency (MHz)	Exemption Limits (mW)				
	At separation distance of ≤5 mm	At separation distance of 10 mm	At separation distance of 15 mm	At separation distance of 20 mm	At separation distance of 25 mm
≤300	71 mW	101 mW	132 mW	162 mW	193 mW
450	52 mW	70 mW	88 mW	106 mW	123 mW
835	17 mW	30 mW	42 mW	55 mW	67 mW
1900	7 mW	10 mW	18 mW	34 mW	60 mW
2450	4 mW	7 mW	15 mW	30 mW	52 mW
3500	2 mW	6 mW	16 mW	32 mW	55 mW
5800	1 mW	6 mW	15 mW	27 mW	41 mW

Note: When this device works with rechargeable battery, BT antenna spacing 5mm from Body, the maximum E.I.R.P. is **2.50dBm**→**1.78mW**<**4.26mW**@ **2402MHz**, therefore SAR assessment is not required for this device.



Annex A Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. Morlab facility is a registered (7183A) test laboratory with the site description on file with ISED.

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