

Test Report

Report No.: AGC05794180902ES02

PRODUCT DESIGNATION : Logo light up headphone
BRAND NAME : N/A
MODEL NAME : 24390
CLIENT :
DATE OF ISSUE : Sep. 29, 2018
STANDARD(S) : EN50332-1:2013; EN 50332-2:2013
REPORT VERSION : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd

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1. GENERAL INFORMATION

1.1 Testing laboratory

Name Attestation of Global Compliance (Shenzhen) Co., Ltd.
Address 2/F., Building 2, No.1-No.4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Bao'an District, Shenzhen, Guangdong, China
Test location Same as above

1.2 Applicant information

Name
Address

1.3 Manufacturer information

Name
Address

1.4 Factory information

Name
Address

1.5 Testing

Date of receipt of test item Sep. 20, 2018
Date(s) of performance of test Sep. 26, 2018

1.6 Summary of testing

The limits are refer to Zx. Protection against excessive sound pressure from personal music players of EN 60950-1:2006+A11:2009+ A1:2010+A12:2011+A2:2013 and EN 60065:2014.
The test items passed.

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Sep. 29, 2018	Valid	Initial release

Tested by

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Reviewed by

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2. Equipment Under Test (EUT) and Ancillary Equipment (AE)

2.1 About EUT

Product Designation	Logo light up headphone
Brand Name	N/A
Test model	24390
Series model	N/A

2.2 Internal identification of EUT

IMEI or SN	N/A
HW Version	V1.0
SW Version	V1.0

2.3 Internal Identification of AE

Product Designation	N/A
Model Name	N/A

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3. Reference Documents

The following documents listed in this section are referred for testing.

Reference	Title	Version
EN 50332-1	Sound system equipment: Headphones and earphones associated with personal music players – Maximum sound pressure level measurement methodology Part 1: General method for “one package equipment”	2013
EN 50332-2	Sound system equipment: Headphones and earphones associated with personal music players – Maximum sound pressure level measurement methodology Part 2: Matching of sets with headphones if either or both are offered separately, or are offered as one package equipment but with standardized connectors between the two allowing to combine components of different manufacturers or different design	2013

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4. Test Equipments Utilized

No.	Name	Model No.	Serial No.	Manufacturer	Calibration Date	Calibration Due.
1	HEAD measurement test system	HMS II.3	12306382	Head Acoustics	Mar.20, 2018	Mar.20, 2019
2	Left ear simulator	HISL	355051	Head Acoustics	/	/
3	Right ear simulator	TYPE3.3	355063	Head Acoustics	/	/
4	Artificial ear extension cord	CLL V.10	1223-10	Head Acoustics	/	/
5	ACQUA-Compact test software	ACQUA-C ompact	1900169023	Head Acoustics	/	/
6	USB Measurement Frontend	MFE VI	64606148	Head Acoustics	Mar.20, 2018	Mar.20, 2019
7	EN50332 database	EN50332	6869.11	Head Acoustics	/	/
8	Sound Calibrator	42AB	32508	G.R.A.S	Mar.20, 2018	Mar.20, 2019
9	Signal generator	E4421B	MY43351574	AGILENT	Oct.12, 2017	Oct.11, 2018
10	Acoustic Chamber	/	AGC-SA-P002	/	Mar.20, 2018	Mar.20, 2019

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5. Detailed Test Results

5.1 Maximum sound pressure Measurement

Maximum Sound pressure Measurement Test Result			
Device	Times	Left	Right
Earphone (dBA)	1	96.89	98.90
	2	97.13	99.10
	3	96.83	98.81
	4	96.44	99.25
	5	97.01	99.11
	AVG	96.86	99.03

Remark: The maximum acoustic output shall be $\leq 100\text{dBA}$.

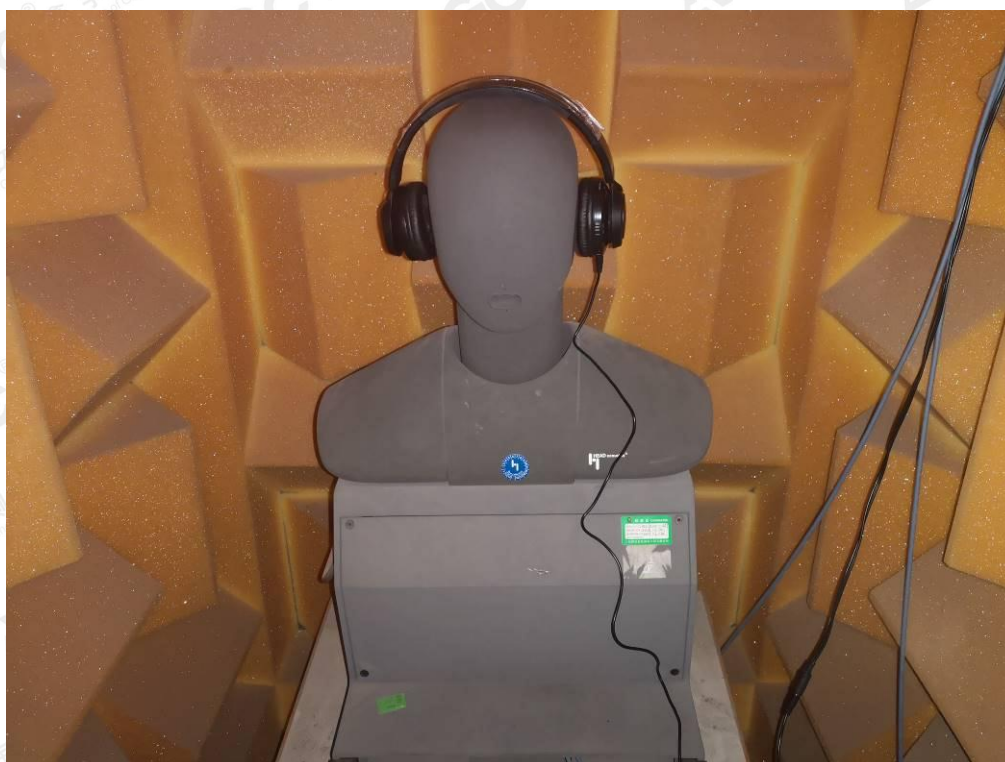
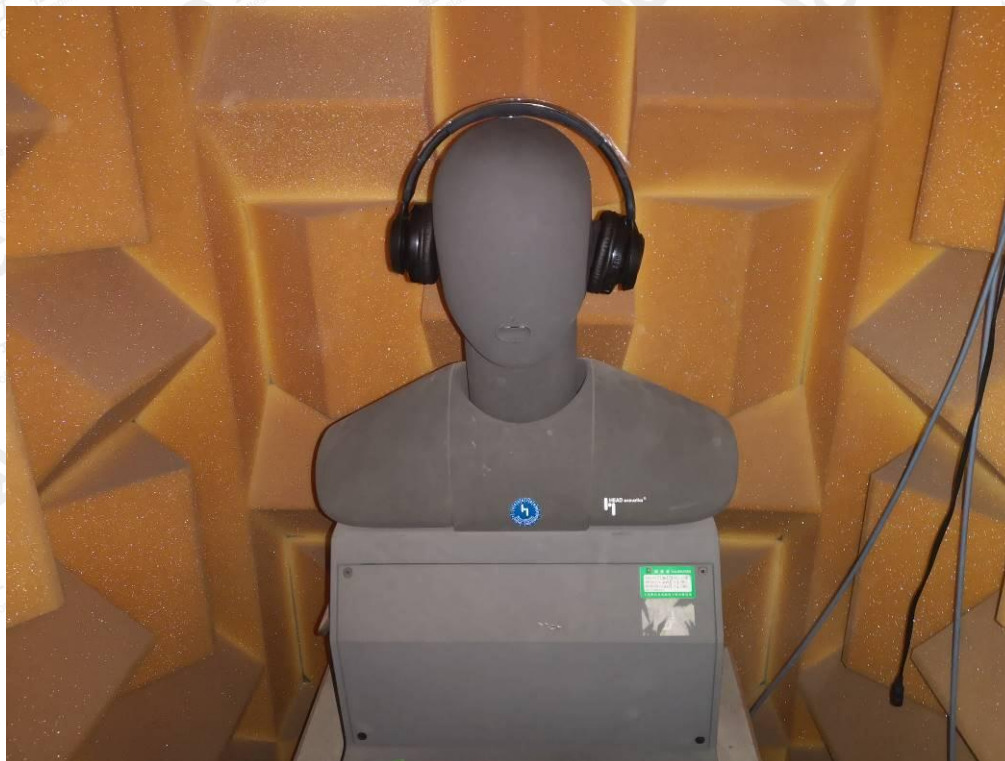
5.2 Wide band characteristic voltage Measurement

Wide band characteristic voltage Measurement Test Result			
Device	Times	Left	Right
WBCV (mV)	1	217.9	172.0
	2	241.7	141.6
	3	240.8	139.7
	4	239.3	146.4
	5	229.0	145.0
	AVG	232.7	148.9

Remark: The wide band characteristic voltage shall be $\geq 75\text{ mV}$.

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Attachment A
Photos of Test Setup



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Attachment B
Photos of Product



Fig.1 - overview



Fig.2 - overview

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Fig.3 – view of earphone jack

----- End of Report -----

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