

Test Report

Applicant : Shenzhen Baichang Technology Co., Ltd.
Address : Floor 2, Building B, Sha'er Industrial Zone, Shajing Street, Bao'an District, Shenzhen China 518104
Manufacturer : Shenzhen Baichang Technology Co., Ltd.
Address : Floor 2, Building B, Sha'er Industrial Zone, Shajing Street, Bao'an District, Shenzhen China 518104

The submitted sample and sample information was/were submitted and identified by/on the behalf of the client

Sample name : BI09Eyes Massager
Sample Model : BI09
Trademark : N/A

TEST INFORMATION

Date of Receipt : 2021-04-09
Date of Test : 2021-04-09 to 2021-04-16
Issue Date : 2021-05-17
Test Method : Please refer to the following page(s).
Test Result(s) : Please refer to the following page(s).

Test Requested	Conclusion
As specified by client, according to RoHS Directive 2011/65/EU with amendment (EU) 2015/863 to test Lead (Pb), Cadmium (Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Phthalates(DBP, BBP, DEHP, DIBP) in the submitted sample(s)	Pass

Test/Witness Engineer :



Approved & Authorized :

Andy Zhang



Tested Sample/Part Description

No.	Component Description(non-metallic)	No.	Component Description(metal)
1	ABS Base	13	Screw
2	Silicone base	14	Spring
3	Transparent cover	15	Steel ring
4	Key	16	Copper needle
5	Eye patch shell	17	Base magnet
6	Eye patch transparency		
7	Gel paste		
8	Needle stand		
9	Battery		
10	Eye patch PCB		
11	Main control board		
12	Door mat		

**Test Result of XRF
(1)XRF**

Tested Item(s)	Result										
	1	2	3	4	5	6	7	8	9	10	11
Lead (Pb)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Cadmium (Cd)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Mercury (Hg)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Total Chromium (Cr)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL
Total Bromine (Br)	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL	BL

Tested Item(s)	Result						
	12	13	14	15	16	17	
Lead (Pb)	BL	BL	BL	BL	BL	BL	
Cadmium (Cd)	BL	BL	BL	BL	BL	BL	
Mercury (Hg)	BL	BL	BL	BL	BL	BL	
Total Chromium (Cr)	BL	BL	BL	BL	BL	BL	
Total Bromine (Br)	BL	/	/	/	/	/	

(1)Test Method

Tested Item(s)	Test Method	Test instrument
Lead (Pb) Cadmium (Cd) Mercury (Hg) Total Chromium (Cr) Total Bromine (Br)	IEC 62321-2:2013, IEC 62321-1:2013, IEC 62321-3-1:2013,	XRF

Remark:

- (a) BL = Below Limit, OL = Over Limit, LOD = Limit of Detection, -- = Not Regulated,
 3σ = The reproducibility of analytical instruments
 X: the region where further investigation is necessary,
 *=The screened result was found by XRF and further chemical test was suggested
- (b) There are the results on total Br while test items on restricted substances are PBBs and PBDEs.
 There is the result on total Cr while test item on restricted substances is Cr(VI).
- (c) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC62321 (unit: mg/kg).

Element	Polymer materials	Metallic materials	Composite materials
Cadmium (Cd)	$BL \leq (70-3\delta) < X < (130+3\delta) \leq OL$	$BL \leq (70-3\delta) < X < (130+3\delta) \leq OL$	$LOD < X < (150+3\delta) \leq OL$
Lead (Pb)	$BL \leq (700-3\delta) < X < (1300+3\delta) \leq OL$	$BL \leq (700-3\delta) < X < (1300+3\delta) \leq OL$	$BL \leq (500-3\delta) < X < (1500+3\delta) \leq OL$
Mercury (Hg)	$BL \leq (700-3\delta) < X < (1300+3\delta) \leq OL$	$BL \leq (700-3\delta) < X < (1300+3\delta) \leq OL$	$BL \leq (500-3\delta) < X < (1500+3\delta) \leq OL$
Chromium (Cr)	$BL \leq (700-3\delta) < X$	$BL \leq (700-3\delta) < X$	$BL \leq (500-3\delta) < X$
Bromine (Br)	$BL \leq (300-3\delta) < X$	Not Applicable	$BL \leq (250-3\delta) < X$

RoHS Requirement

Restricted substances	Limits
Lead(Pb)	0.1%(1000 ppm)
Cadmium(Cd)	0.01%(100 ppm)
Mercury(Hg)	0.1%(1000 ppm)
Chromium(VI)(Cr6+)	0.1%(1000 ppm)
Polybrominated biphenyls(PBBs)	0.1%(1000 ppm)
Polybrominated diphenyl ethers (PBDEs)	0.1%(1000 ppm)

The above limits were quoted from 2011/65/EU with amendment (EU) 2015/863.

(2)Chemical Test
(a)The test result of PBBs, PBDEs

Tested Item	Result(mg/kg)											
	1	2	3	4	5	6	7	8	9	10	11	12
Monobromobiphenyl (MonoBB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Dibromobiphenyl (DiBB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl (TriBB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl (TetraBB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl (PentaBB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl (HexaBB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl (HeptaBB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl (OctaBB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromobiphenyl (NonaBB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Decabromobiphenyl (DecaBB)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Sum of polybrominated Biphenyls(PBBs)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Monobromodiphenyl ether (MonoBDE)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Dibromodiphenyl ether (DiBDE)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tribromodiphenyl ether (TriBDE)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromodiphenyl ether (TetraBDE)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromodiphenyl ether (PentaBDE)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromodiphenyl ether (HexaBDE)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromodiphenyl ether (HeptaBDE)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Octabromodiphenyl ether (OctaBDE)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromodiphenyl ether (NonaBDE)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Decabromodiphenyl ether (DecaBDE)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Sum of polybrominated diphenyl ethers(PBDEs)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

(b) The test result of DBP, BBP, DEHP, DIBP

Tested Item(s)	Result											
	1	2	3	4	5	6	7	8	9	10	11	12
Dibutyl phthalate(DBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzylbutyl phthalate(BBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Di-2-ethylhexyl phthalate(DEHP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl phthalate(DIBP)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

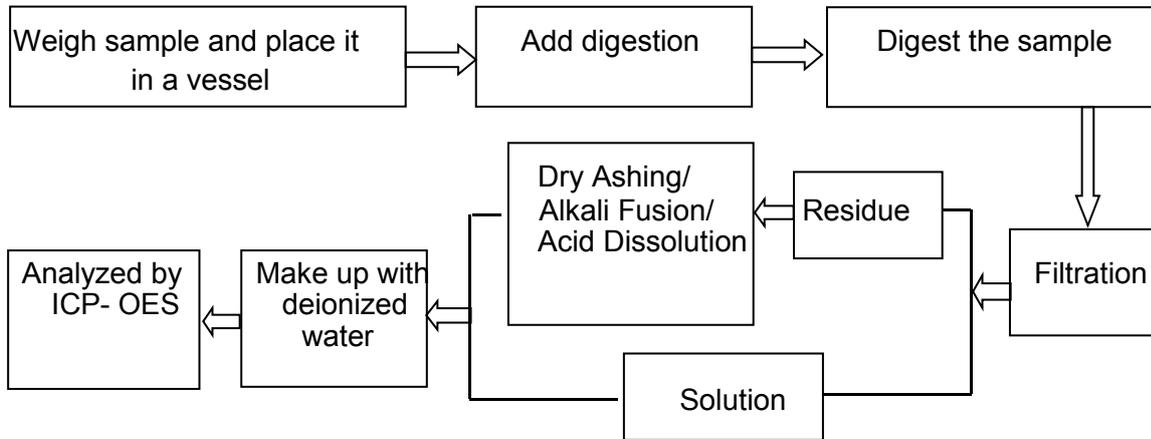
(c) Test Method for Chemical Confirmation

Test Item	Test Method	Test Instrument	MDL (mg/kg)	EU RoHS Limit (mg/kg)
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES	10	100
Lead (Pb)	IEC 62321-5:2013	ICP-OES	10	1000
Mercury (Hg)	IEC 62321-4:2013	ICP-OES	10	1000
Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017 (non-metal)	UV-Vis	10	1000
	IEC 62321-7-1:2015 (metal)	UV-Vis	0.1($\mu\text{g}/\text{cm}^2$)	1000
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS	10	1000
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS	10	1000
Phthalates(DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS	50	1000

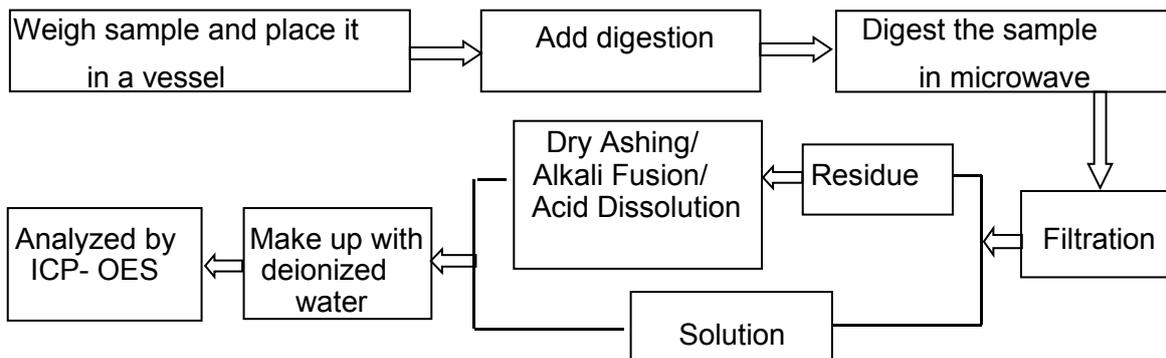
Remark: MDL = Method Detection Limit
 N.D. = Not Detected (<MDL)
 mg/kg = ppm = parts per million

Test Process

1. Lead(Pb), Cadmium(Cd), Chromium(Cr)

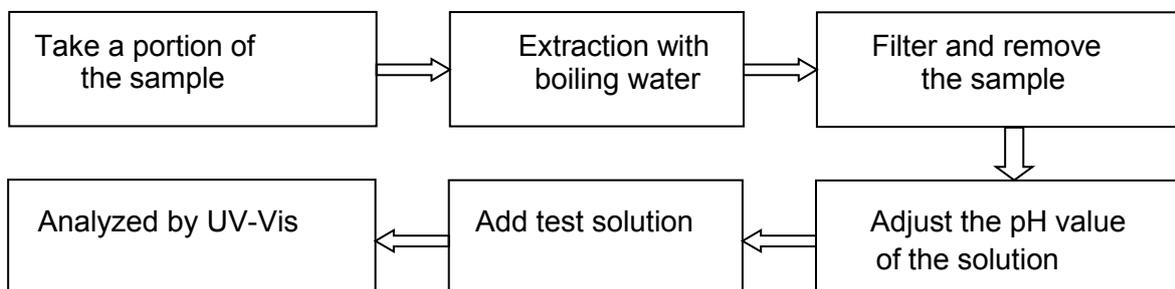


2. Mercury(Hg)



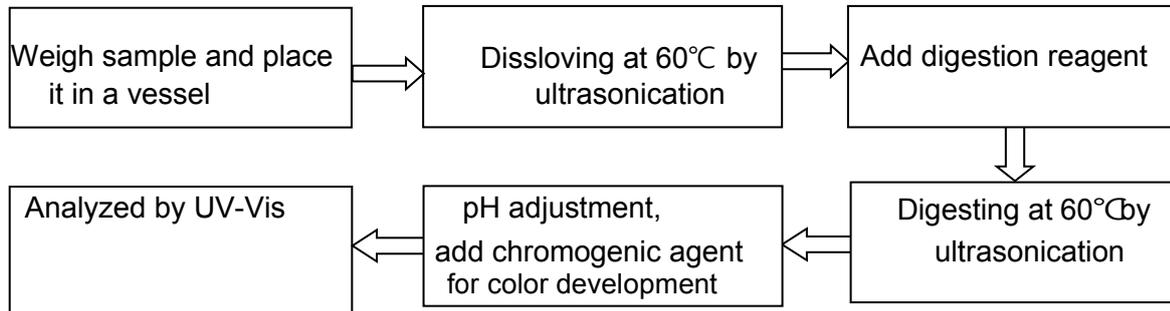
3. Hexavalent Chromium (Cr (VI))

**(1) IEC 62321-7-1:2015
Plating/Metal sample(s)**



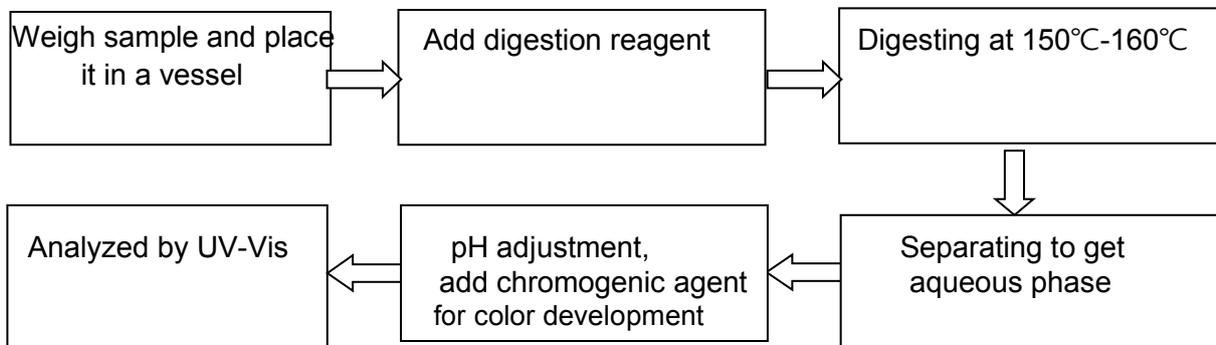
(2) IEC 62321-7-2:2017

Non-metal sample(s) (Material ABS/PC/PVC)

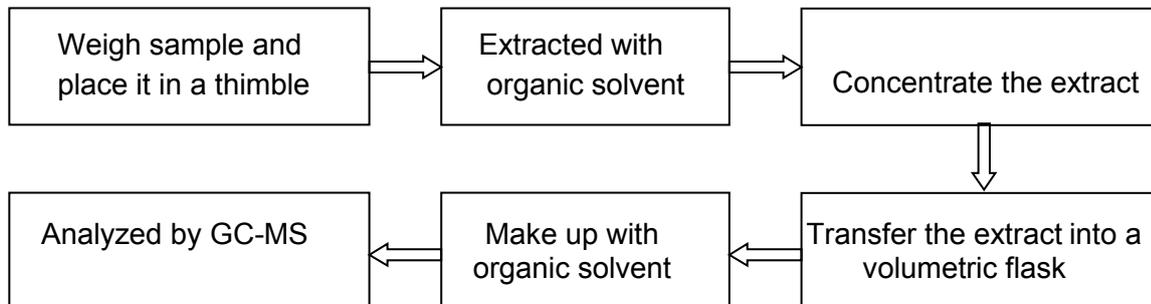


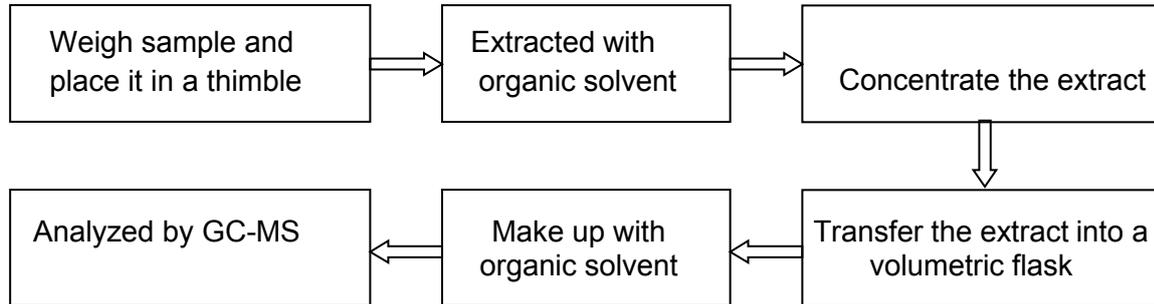
(3) IEC 62321-7-2:2017

Non-metal sample(s) (Others)



4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



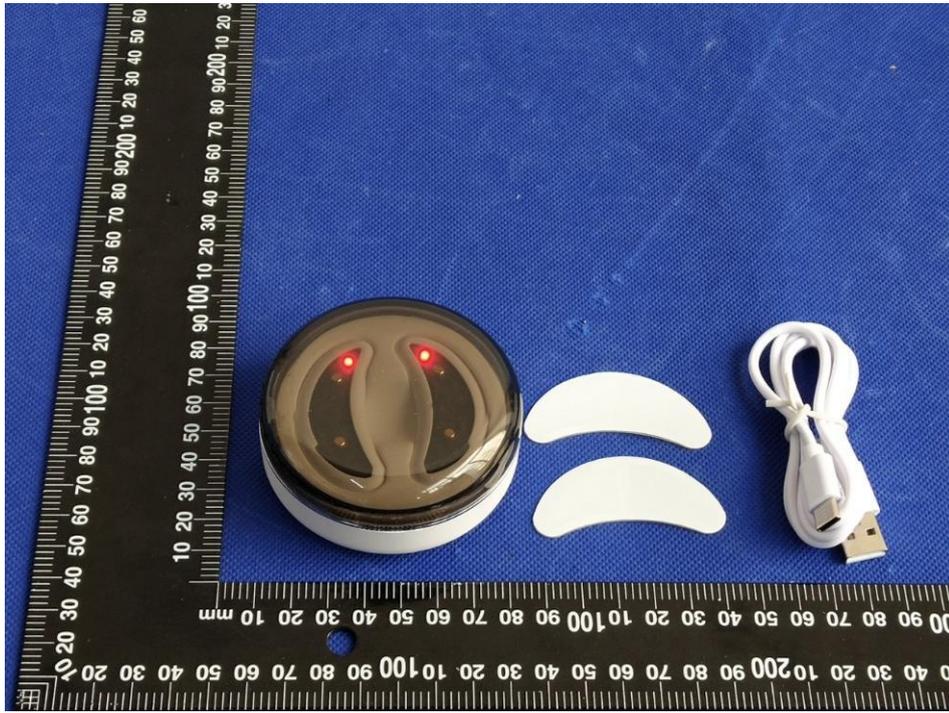
5. Phthalates(DBP/BBP/DEHP/DIBP)**Remark:**

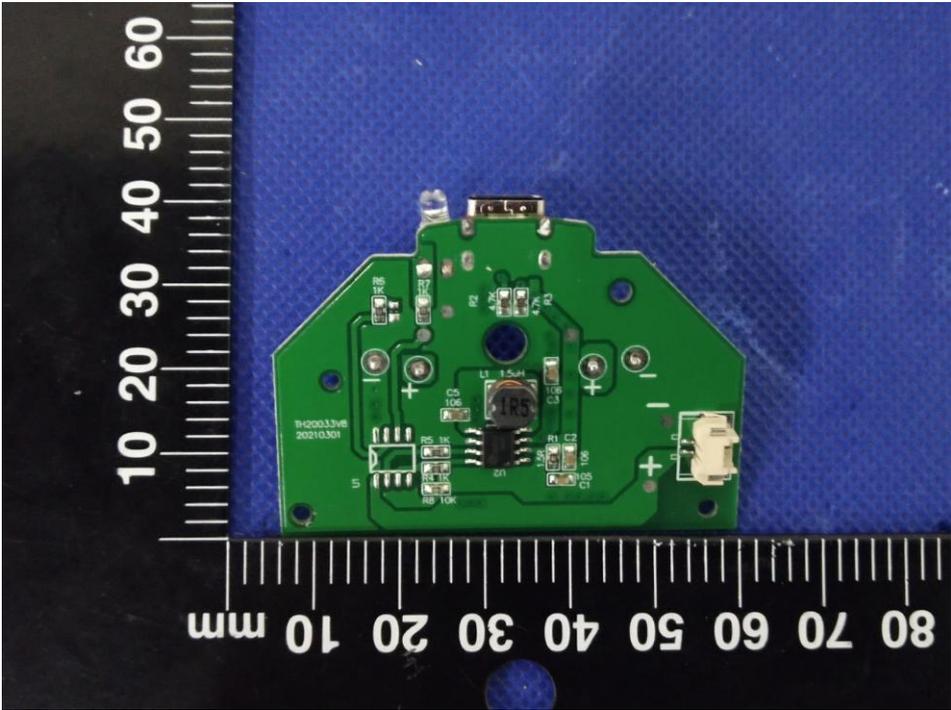
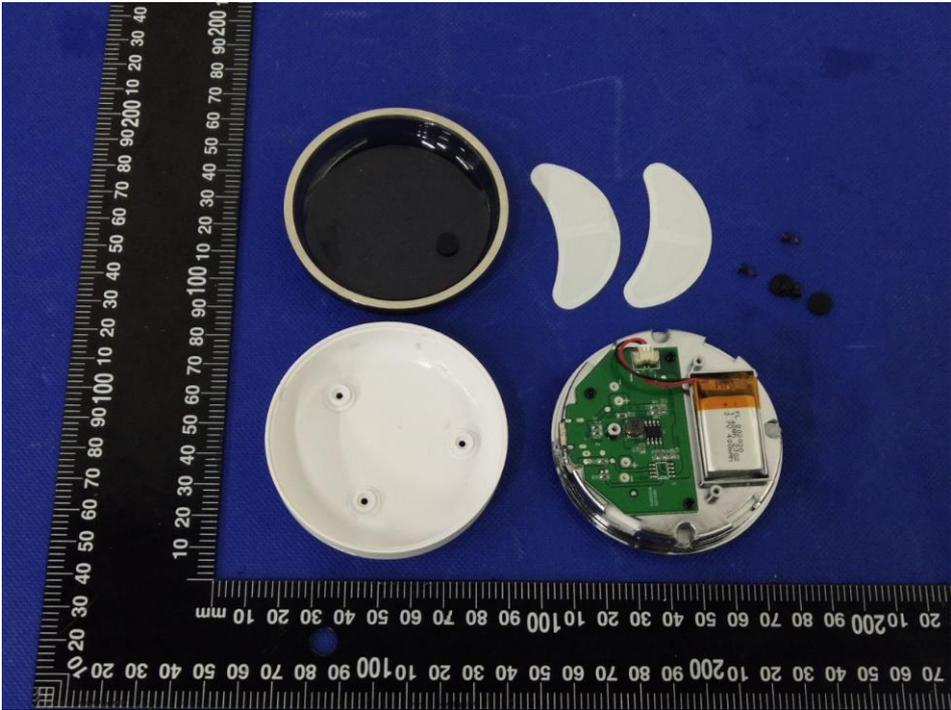
- Chemical confirmation tests were conducted to verify the inconclusive, Chromium (VI) (Cr^{6+}), Polybrominated biphenyls (PBBS) and Polybrominated included in this report.
- As requested by the applicant, only components shown in this report were screened by XFR spectroscopy for 2011/65/EU & (EU) 2015/863, other components were not screened included in this report.

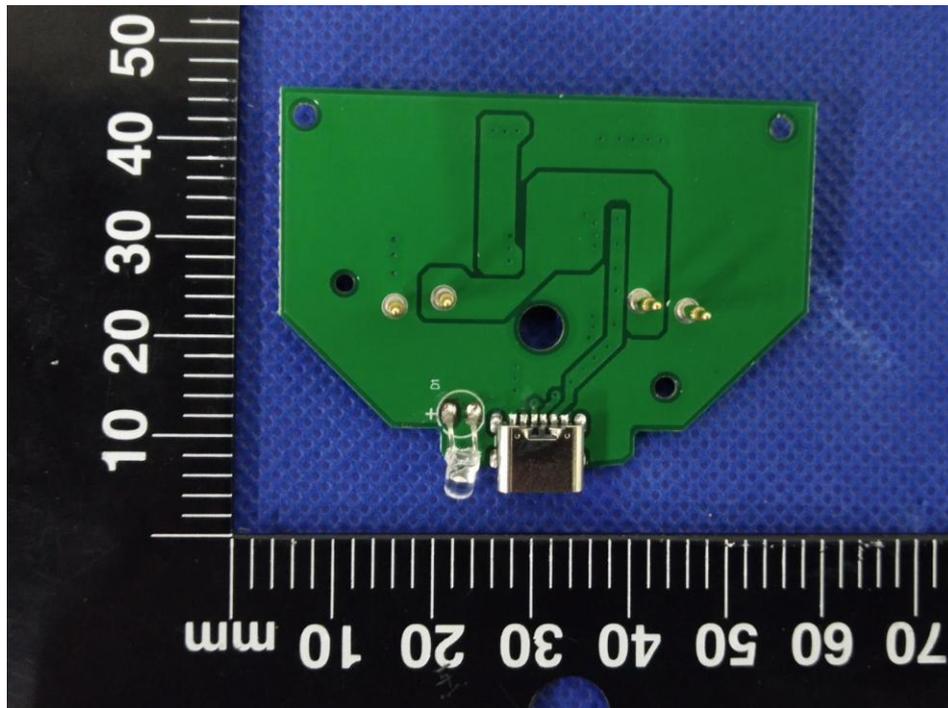
Disclaimers:

- This XRF Screening Report tests were reference purposes only. The applicant shall make its/his/her purposes.
- The results shown in this XRF screening Report will based on various factors. Including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. Plastic, Rubber, Metal, Glass, Ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.
- Photo is included.

Photograph of Sample







***** End of Report *****



(12) 实用新型专利

(10) 授权公告号 CN 214317253 U

(45) 授权公告日 2021.10.01

(21) 申请号 202120316133.5

(22) 申请日 2021.02.04

(73) 专利权人 深圳市百昌科技有限公司
地址 518100 广东省深圳市宝安区沙井街道蚝乡路沙二工业区1栋北侧四楼A

(72) 发明人 杨罗密

(74) 专利代理机构 深圳胜博时代专利代理事务所(普通合伙) 44506
代理人 黄海艳

(51) Int. Cl.
A45C 11/00 (2006.01)
A45C 15/00 (2006.01)
A61N 5/06 (2006.01)
A61H 23/00 (2006.01)

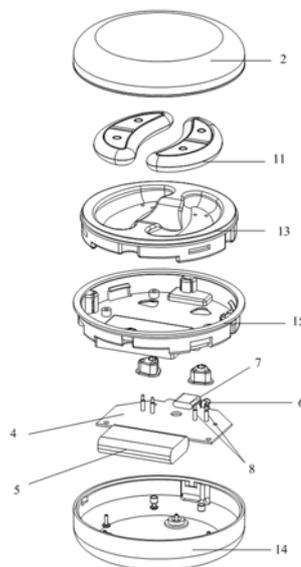
权利要求书1页 说明书2页 附图4页

(54) 实用新型名称

一种可便携充电的眼袋按摩贴收纳盒

(57) 摘要

本实用新型提供了一种可便携充电的眼袋按摩贴收纳盒,包括底盒以及盖设在所述底盒上方的面盖,所述底盒上设置有两个容纳槽,所述底盒内设置有腔体,所述腔体内设置有PCB-A板和第一电池,所述第一电池与所述PCB-A板电性连接,所述PCB-A板上设置有指示灯、接电端口和弹性顶针,所述弹性顶针的末端位于所述容纳槽内,所述接电端口的末端外露于所述底盒外侧。将电池电量耗尽的眼部按摩贴内置于容纳槽内后,即可进行充电,设置充电触点使得眼袋按摩贴外表完整,不容易藏污纳垢,而且,收纳或外出携带时较为方便,放置于收纳盒体内不易受到撞击损坏。



1. 一种可便携充电的眼袋按摩贴收纳盒,其特征在于:包括底盒以及盖设在所述底盒上方的面盖,所述底盒上设置有两个容纳槽,所述底盒内设置有腔体,所述腔体内设置有PCB-A板和第一电池,所述第一电池与所述PCB-A板电性连接,所述PCB-A板上设置有指示灯、接电端口和弹性顶针,所述弹性顶针的末端位于所述容纳槽内,所述接电端口的末端外露于所述底盒外侧。

2. 根据权利要求1所述的一种可便携充电的眼袋按摩贴收纳盒,其特征在于:所述容纳槽内收纳有眼袋按摩贴,所述眼袋按摩贴内设置有PCB-B板以及与所述PCB-B板电性连接的第二电池,所述眼袋按摩贴上设置有与所述PCB-B板电性连接的开关按键和充电触点,所述充电触点与所述弹性顶针相抵触。

3. 根据权利要求2所述的一种可便携充电的眼袋按摩贴收纳盒,其特征在于:所述面盖对位盖合于两个所述容纳槽处。

4. 根据权利要求3所述的一种可便携充电的眼袋按摩贴收纳盒,其特征在于:两个所述容纳槽之间设置有用于拿取眼袋按摩贴的凹陷。

5. 根据权利要求1所述的一种可便携充电的眼袋按摩贴收纳盒,其特征在于:所述底盒包括扣合在一起的上壳和下壳,所述上壳和下壳之间固定有安装支架,所述PCB-A板和第一电池安装于所述安装支架上。

一种可便携充电的眼袋按摩贴收纳盒

技术领域

[0001] 本实用新型涉及眼袋按摩贴的技术领域,尤其是一种可便携充电的眼袋按摩贴收纳盒。

背景技术

[0002] 眼袋按摩贴具有与人体眼部轮廓皮肤相贴合的外形,其上设置有按摩触头、开关按键和充电端口,眼袋按摩贴内置控制板、电池、按摩组件、红外发射灯等部件,是一种用于眼袋处的皮肤护理的美容产品,通过按摩或者红光照射等方式作用于眼袋处的皮肤,通过对眼部皮肤的按摩改善眼部血液微循环,从而起到恢复睫状肌弹性、达到消除眼袋的目的。

[0003] 现有的眼部按摩贴内置的电池电量耗尽后,需要直接插设充电线对其进行充电,充电端口暴露也不美观,容易藏污纳垢,而且,眼部按摩贴的体积较小,收纳或外出携带时都不方便、也容易弄脏,更容易撞击损坏。

发明内容

[0004] 针对上述现有技术中存在的不足,本实用新型的目的在于提供一种可便携充电的眼袋按摩贴收纳盒。

[0005] 为了实现上述目的,本实用新型采用如下技术方案:

[0006] 一种可便携充电的眼袋按摩贴收纳盒,包括底盒以及盖设在所述底盒上方的面盖,所述底盒上设置有两个容纳槽,所述底盒内设置有腔体,所述腔体内设置有PCB-A板和第一电池,所述第一电池与所述PCB-A板电性连接,所述PCB-A板上设置有指示灯、接电端口和弹性顶针,所述弹性顶针的末端位于所述容纳槽内,所述接电端口的末端外露于所述底盒外侧。

[0007] 进一步地,所述容纳槽内收纳有眼袋按摩贴,所述眼袋按摩贴内设置有PCB-B板以及与所述PCB-B板电性连接的第二电池,所述眼袋按摩贴上设置有与所述PCB-B板电性连接的开关按键和充电触点,所述充电触点与所述弹性顶针相抵触。

[0008] 进一步地,所述面盖对位盖合于两个所述容纳槽处。

[0009] 进一步地,两个所述容纳槽之间设置有用于拿取眼袋按摩贴的凹陷。

[0010] 进一步地,所述底盒包括扣合在一起的上壳和下壳,所述上壳和下壳之间固定有安装支架,所述PCB-A板和第一电池安装于所述安装支架上。

[0011] 采用上述方案,本实用新型的有益效果在于:本产品设置由底盒和面盖组成的收纳盒体来收纳眼部按摩贴,并在眼部按摩贴上设置充电触点,在底盒的容纳槽内设置弹性顶针,当眼部按摩贴内置的电池电量耗尽后,只需将对位放置于容纳槽内就可以对其进行充电,外表完整,不容易藏污纳垢,而且,收纳或外出携带时较为方便,放置于收纳盒体内不易受到撞击损坏。

附图说明

- [0012] 图1是本实用新型实施例的面盖盖合在底盒上时的立体图；
- [0013] 图2是本实用新型实施例的面盖从底盒上取下时与眼部按摩贴的相对示意图图；
- [0014] 图3是本实用新型实施例的爆炸图；
- [0015] 图4是本实用新型实施例的眼部按摩贴背面视角的立体图；
- [0016] 底盒1；面盖2；容纳槽3；PCB-A板4；第一电池5；指示灯6；接电端口7；弹性顶针8；眼袋按摩贴9；开关按键10；充电触点11；凹陷12；上壳13；下壳14；安装支架15。

具体实施方式

[0017] 以下结合附图对本实用新型的实施例进行详细说明,但是本实用新型可以由权利要求限定和覆盖的多种不同方式实施。

[0018] 如附图1-4所示,一种可便携充电的眼袋按摩贴收纳盒,包括底盒1以及盖设在所述底盒1上方的面盖2,所述底盒1上设置有两个容纳槽3,所述底盒1内设置有腔体,所述腔体内设置有PCB-A板4和第一电池5,所述第一电池5与所述PCB-A板4电性连接,所述PCB-A板4上设置有指示灯6、接电端口7和弹性顶针8,所述弹性顶针8的末端位于所述容纳槽3内,所述接电端口7的末端外露于所述底盒1外侧。指示灯6用于指示工作状态,接电端口7用于插接充电线接电对第一电池5充电,容纳槽3的形状与眼袋按摩贴9的形状相匹配,防止眼袋按摩贴9在容纳槽3内晃动。

[0019] 所述容纳槽3内收纳有眼袋按摩贴9,所述眼袋按摩贴9内设置有PCB-B板以及与所述PCB-B板电性连接的第二电池,所述眼袋按摩贴9上设置有与所述PCB-B板电性连接的开关按键10和充电触点11,所述充电触点11与所述弹性顶针8相抵触。开关按键10用于控制眼袋按摩贴9功能的开启和关闭,

[0020] 所述面盖2对位盖合于两个所述容纳槽3处。

[0021] 两个所述容纳槽3之间设置有用于拿取眼袋按摩贴9的凹陷12。凹陷12用于人手指伸入,方便将眼袋按摩贴9从容纳槽3内取出。

[0022] 所述底盒1包括扣合在一起的上壳13和下壳14,所述上壳13和下壳14之间固定有安装支架15,所述PCB-A板4和第一电池5安装于所述安装支架15上。上壳13和下壳14将安装支架15卡固于两者之间,PCB-A板4和第一电池5安装于所述安装支架15上结构更稳定。

[0023] 以上仅为本实用新型的优选实施例,并非因此限制本实用新型的专利范围,凡是利用本实用新型说明书及附图内容所作的等效结构或等效流程变换,或直接或间接运用在其他相关的技术领域,均同理包括在本实用新型的专利保护范围内。

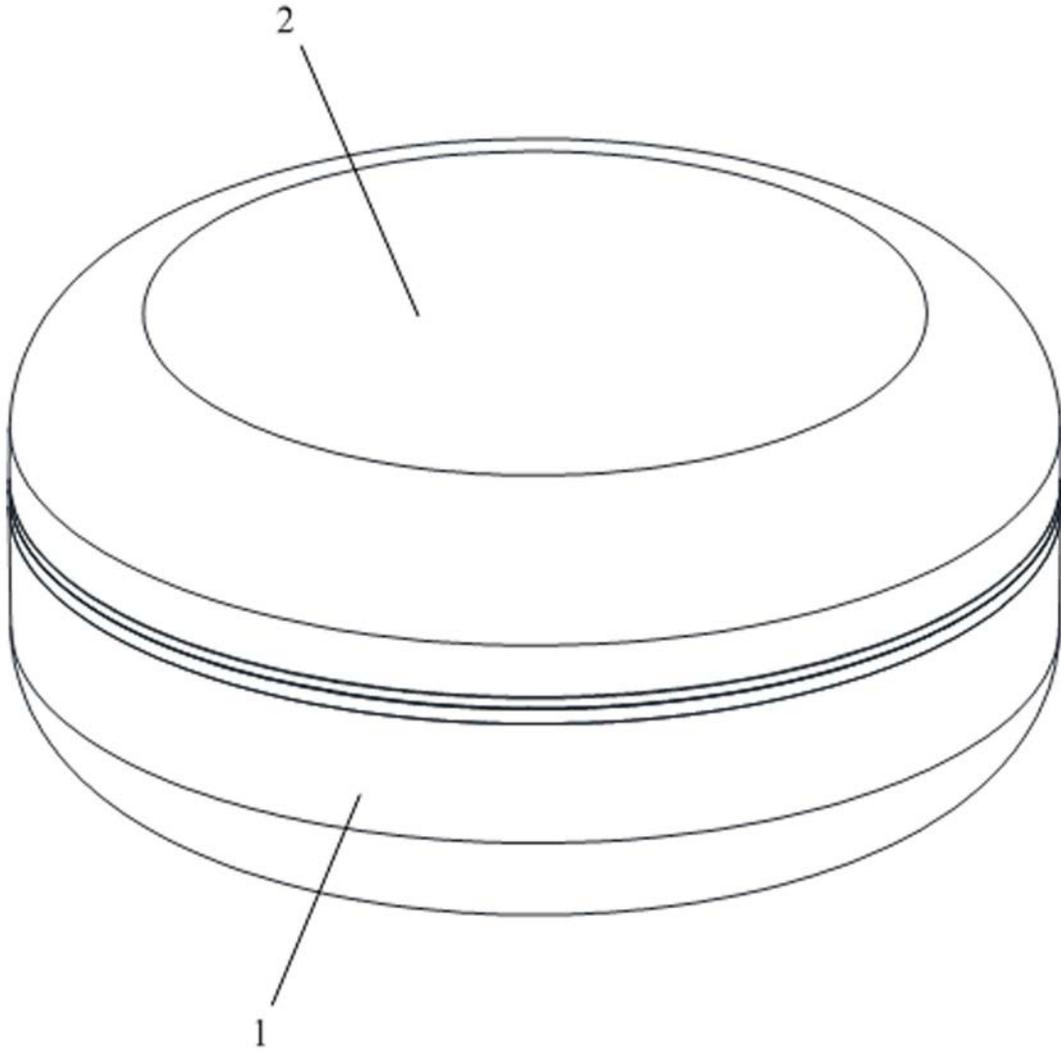


图1

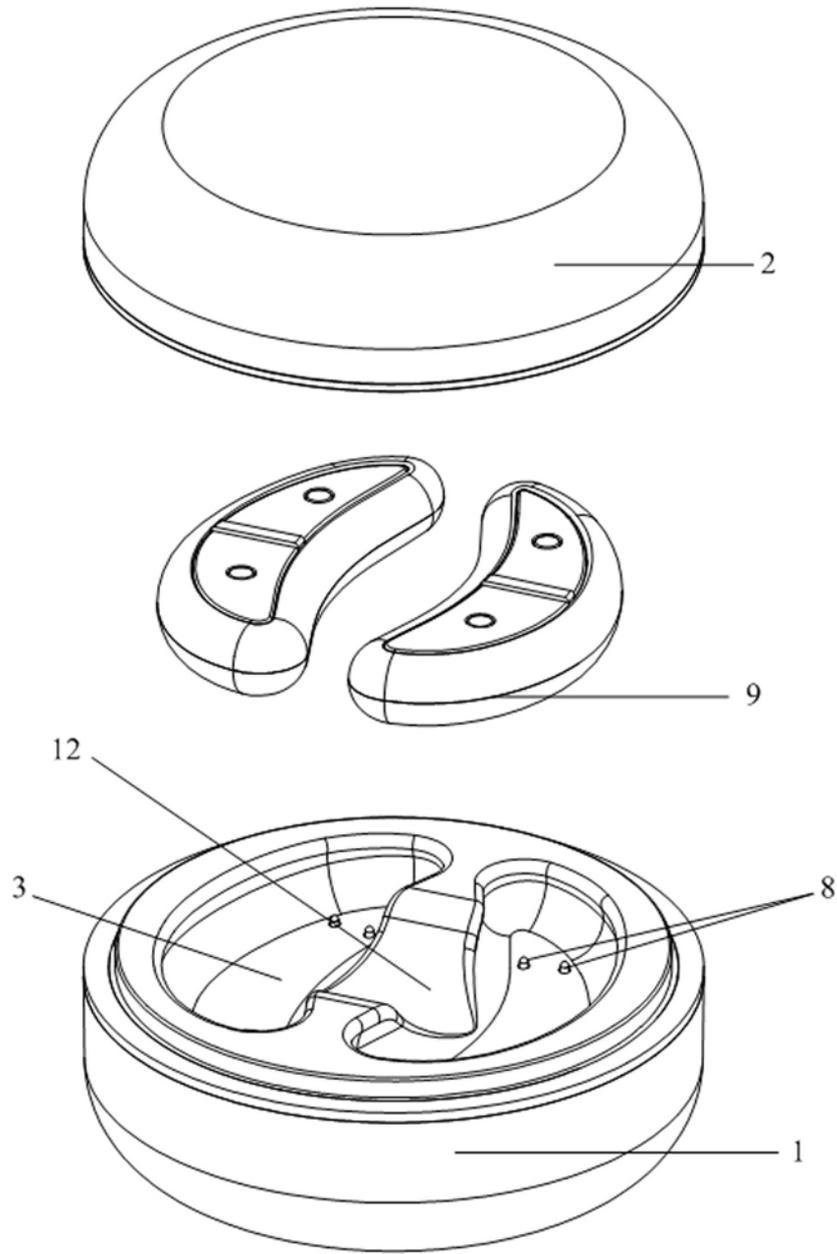


图2

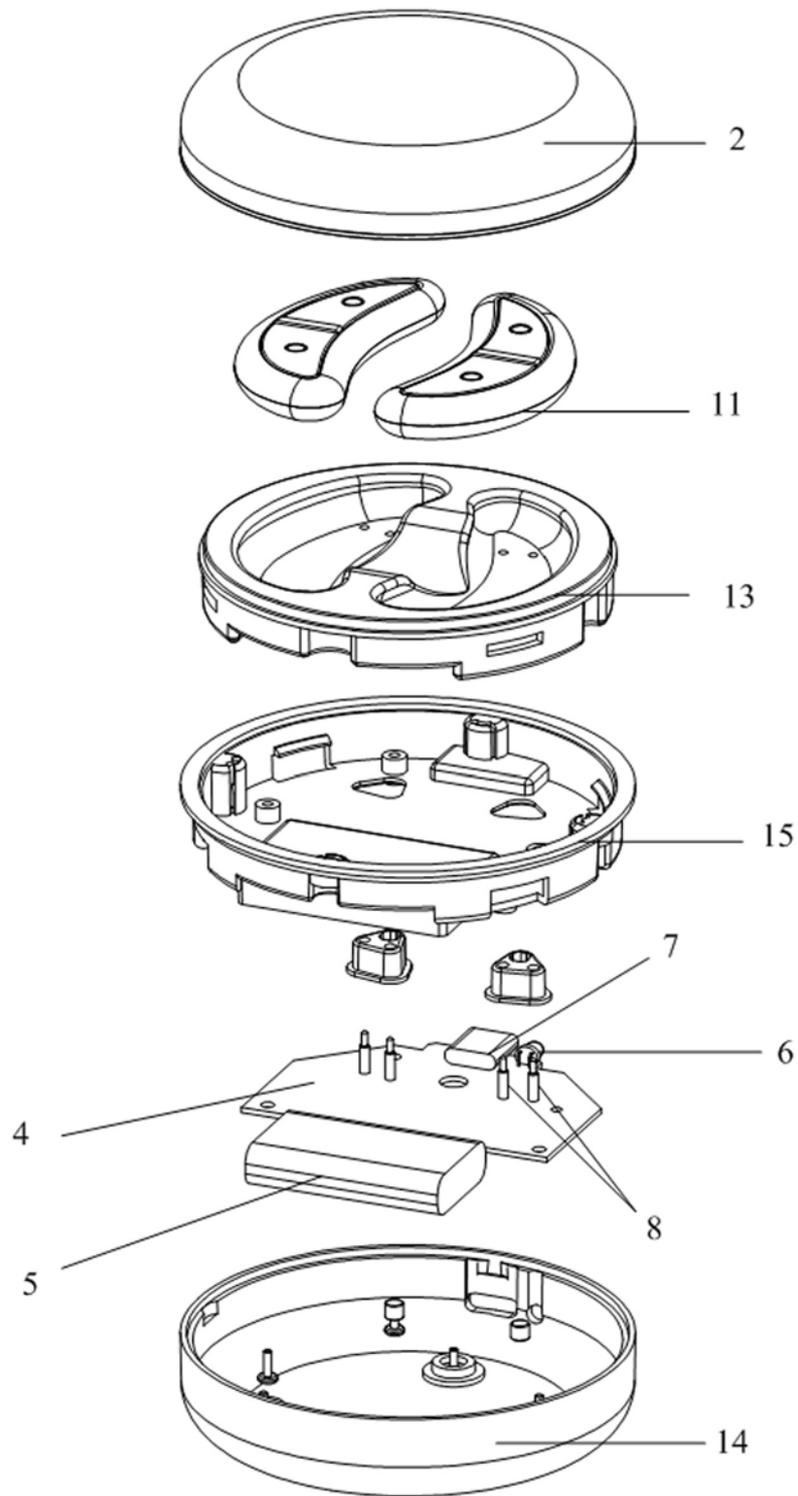


图3

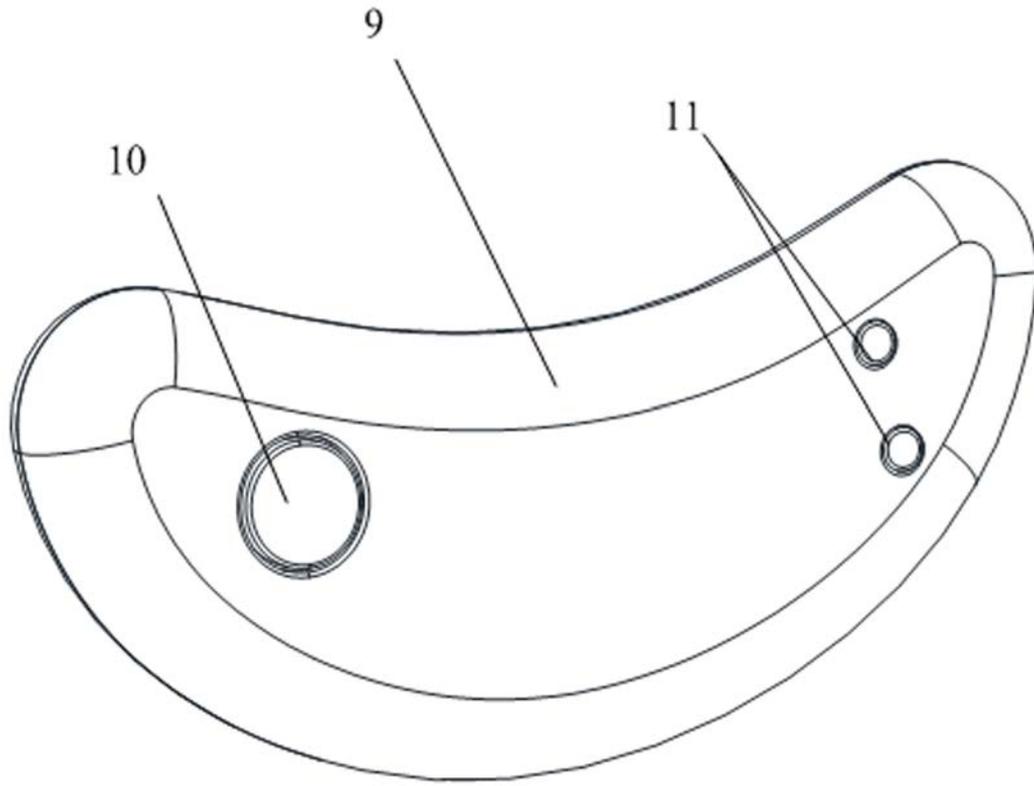


图4

SUPPLIER'S DECLARATION OF CONFORMITY

No. : HX210403012778
Applicant : Shenzhen Baichang Technology Co., Ltd.
Address : Floor 2, Building B, Sha'er Industrial Zone, Shajing Street, Bao'an District, Shenzhen China 518104
Manufacturer : Shenzhen Baichang Technology Co., Ltd.
Address : Floor 2, Building B, Sha'er Industrial Zone, Shajing Street, Bao'an District, Shenzhen China 518104
Product : BI09Eyes Massager
Models : BI09
Trademark : N/A
Test Standard(s) : **FCC Part 15: 2019 Subpart B**

This device complies with Part 15 of the FCC rules, operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This is the results of test that was carried out by Shenzhen HX Detect Certification Co., Ltd. From the submitted type samples of the product is conformity with the specification of the respective standards.

It is only valid in connection with the test report number: HX210403012778.



May 17, 2021

Shenzhen HX Detect Certification Co., Ltd.

2/F, bostai, building 22, Tangxi Yongli Industrial Zone, guxing community, Xixiang street,
Bao'an District, Shenzhen

HOTLINE:0755-29116082 Email: huaxunprc@163.com Http://www.hx-lab.com

FCC Part 15B Test Report

Application No. : HX210403012778
Applicant : Shenzhen Baichang Technology Co., Ltd.
Equipment Under Test (EUT)
EUT Name : BI09Eyes Massager
Model No. : BI09
Serial No. : N/A
Brand Name : N/A
Receipt Date : 2021-04-09
Test Date : 2021-04-09 to 2021-04-16
Issue Date : 2021-05-17
Standards : FCC Part 15: 2019 Subpart B
Conclusions : **PASS**

In the configuration tested, the EUT complied with the standards specified above. The EUT technically complies with the FCC requirements

Test/Witness Engineer :

Tim Chen


Approved & Authorized :

Andy Zhang



This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

Contents

CONTENTS.....	2
1. GENERAL INFORMATION.....	3
1.1 Client Information.....	3
1.2 General Description of EUT (Equipment Under Test).....	3
1.3 Block Diagram Showing The Configuration of System Tested.....	3
1.4 Test standards.....	3
1.5 Test Facility.....	4
1.6 Equipment Used Test.....	4
2. TEST SUMMARY.....	5
3. CONDUCTED EMISSION TEST.....	6
3.1 Test Standard and Limit.....	6
3.2 Test Setup.....	6
3.3 Test Procedure.....	6
3.4 Test Data.....	7
4. RADIATED EMISSION TEST.....	8
4.1 Test Standard and Limit.....	8
4.2 Test Setup.....	8
4.3 Test Procedure.....	8
4.4 Test Condition.....	9
4.5 Test Data.....	9
5. PHOTOGRAPHS - CONSTRUCTIONAL DETAILS.....	12

1. General Information

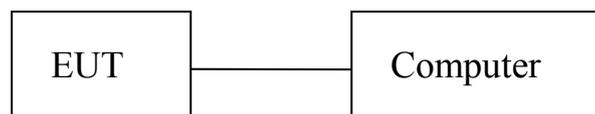
1.1 Client Information

Applicant	:	Shenzhen Baichang Technology Co., Ltd.
Address	:	Floor 2, Building B, Sha'er Industrial Zone, Shajing Street, Bao'an District, Shenzhen China 518104
Manufacturer	:	Shenzhen Baichang Technology Co., Ltd.
Address	:	Floor 2, Building B, Sha'er Industrial Zone, Shajing Street, Bao'an District, Shenzhen China 518104

1.2 General Description of EUT (Equipment Under Test)

EUT Name	:	BI09Eyes Massager
Model No.	:	BI09
Serial No.	:	N/A
Brand Name	:	N/A
Power Supply	:	DC 5V, 1A
Remark: All above models are identical in schematic, structure and critical components except for only different appearance; therefore, EMI testing was performed with BI09 only.		

1.3 Block Diagram Showing The Configuration of System Tested



1.4 Test standards

The objective is to determine compliance with FCC Part 15, Subpart B, and section 15.107, 15.109 rules.

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product, which result in lowering the emission, should be checked to ensure compliance has been maintained.

1.5 Test Facility

The testing report were performed by the Shenzhen HX Detect Certification Co., Ltd., in their facilities located at 2/F, bostai, building 22, Tangxi Yongli Industrial Zone, guxing community, Xixiang street, Bao'an District, Shenzhen.

1.6 Equipment Used Test

1.6.1 Test Equipment Used to Measure Conducted Emission

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
HX-EMC001	EMI Test Receiver	Rohde & Schwarz	ESCS30	Jan. 04, 2021	1 Year
HX-EMC002	AMN	Rohde & Schwarz	ENV216	Jan. 04, 2021	1 Year
HX-EMC003	AMN	SCHWARZBECK	NNBL 8226-2	Jan. 04, 2021	1 Year

1.6.2 Test Equipment Used to Measure Radiated Emission

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
HX-EMC004	EMI Test Receiver	Rohde & Schwarz	ESI26	Jan. 04, 2021	1 Year
HX-EMC005	Bilog Antenna	SCHWARZBECK	VULB9163	Jan. 04, 2021	1 Year
HX-EMC006	Positioning Controller	C&C	CC-C-1F	N/A	N/A

2. Test Summary

Test Items	Test Requirement	Test Method	Result
Conducted Emission	FCC Part 15: 2019 Subpart B	ANSI C63.4	N/A
Radiated Emission	FCC Part 15: 2019 Subpart B	ANSI C63.4	Pass

Note: N/A is an abbreviation for Not Applicable.

3. Conducted Emission Test

3.1 Test Standard and Limit

3.1.1 Test Standard

FCC Part 15 B: 2019

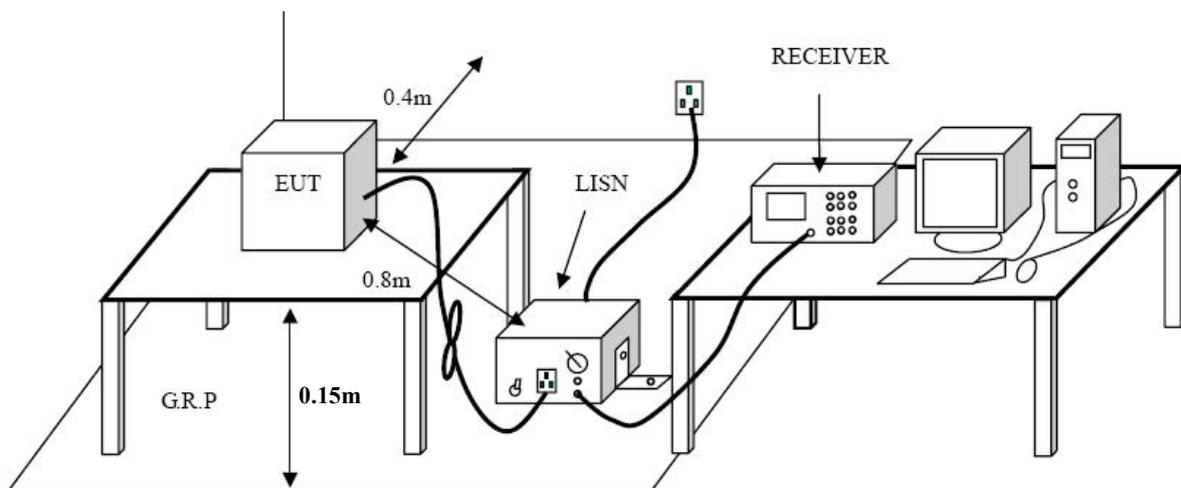
3.1.2 Test Limit

Conducted Emission Test Limit (Class B)

Frequency	Maximum RF Line Voltage (dB μ V)	
	Quasi-peak Level	Average Level
150kHz~500kHz	66 ~ 56 *	56 ~ 46 *
500kHz~5MHz	56	46
5MHz~30MHz	60	50

*decreasing linearly with logarithm of the frequency

3.2 Test Setup



3.3 Test Procedure

The EUT was placed 0.15 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

The cables shall be insulated (by up to 15 cm) from the horizontal ground reference plane, and shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

3.4 Test Data

This test is not applicable.

4. Radiated Emission Test

4.1 Test Standard and Limit

4.1.1 Test Standard

FCC Part 15 B: 2019

4.1.2 Test Limit

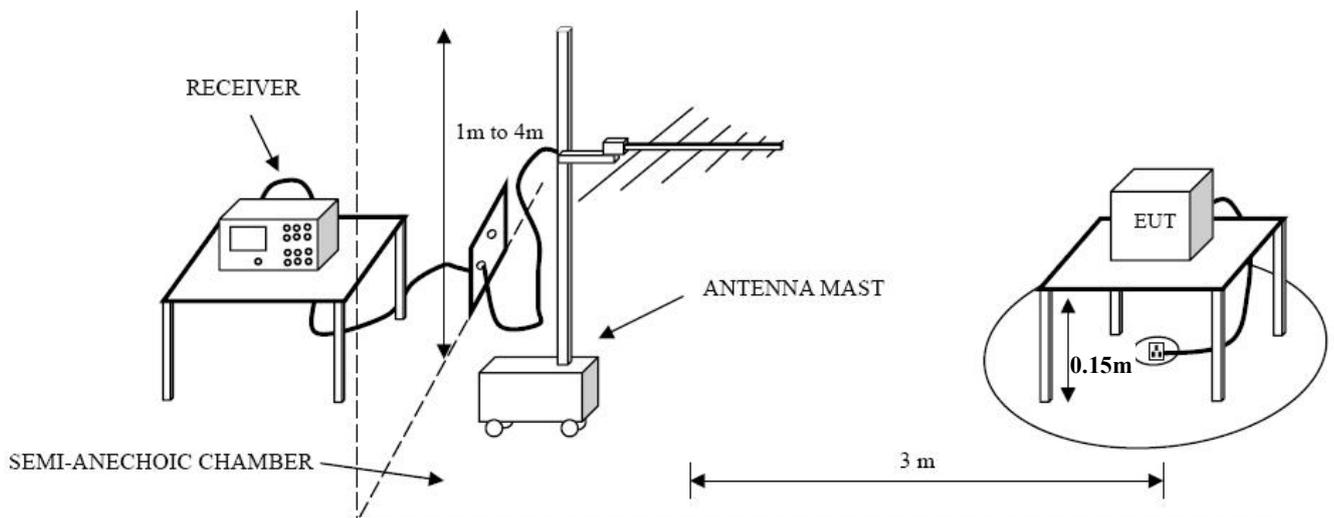
Radiated Emission Test Limit (Class B)

Frequency MHz	Field Strengths Limits dB(μ V/m)
30 ~ 88	40.0
88 ~ 216	43.5
216 ~ 960	46.0
960 ~ 1000	54.0

* The lower limit shall apply at the transition frequency.

* The test distance is 3m.

4.2 Test Setup



4.3 Test Procedure

The EUT was placed on the top of a rotating table which is 0.15 meters above the ground. EUT is set 3.0 meters away from the receiving antenna that mounted on a antenna tower. The table was rotated 360 degrees to determine the position of the highest radiation, the antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

Measurements shall be made with a quasi-peak measuring receiver in the frequency range 30MHz to 1000MHz. If the Peak Mode measured value compliance with and lower than quasi-peak mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.

4.4 Test Condition

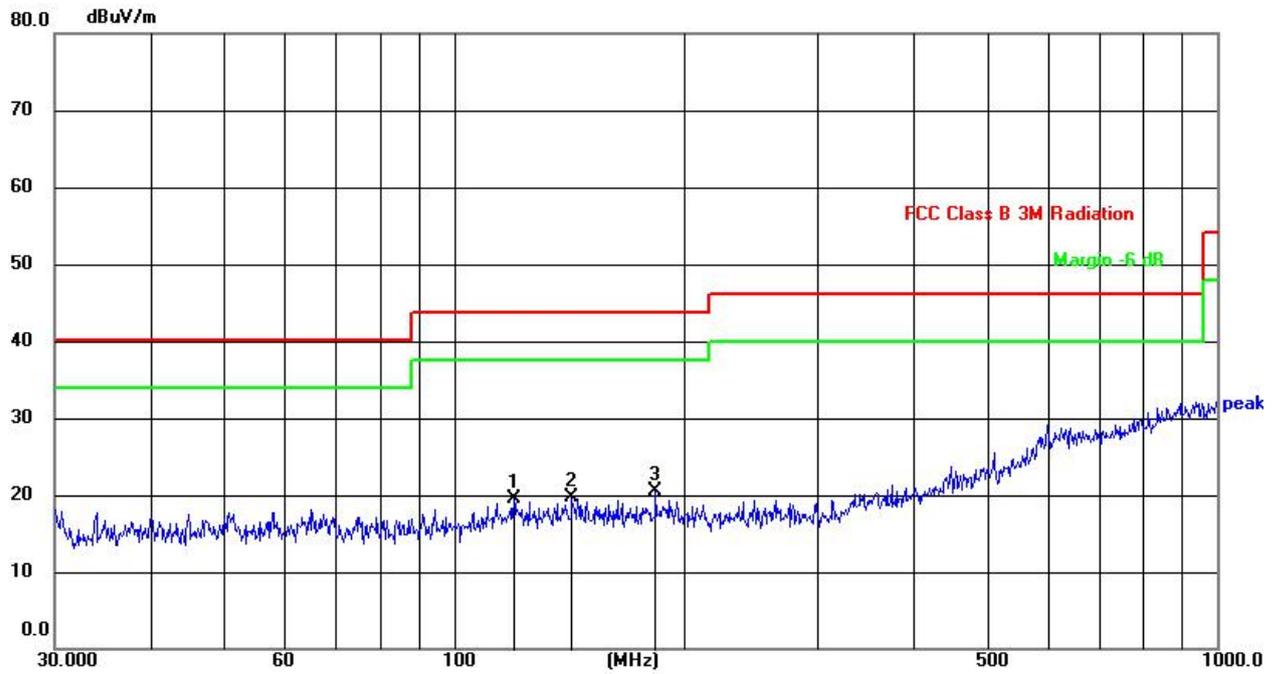
Temperature	:	25 °C
Relative Humidity	:	48 %
Pressure	:	1010 hPa
Test Power	:	DC 5V

4.5 Test Data

Please refer to the following pages.

Operating Condition: Normal

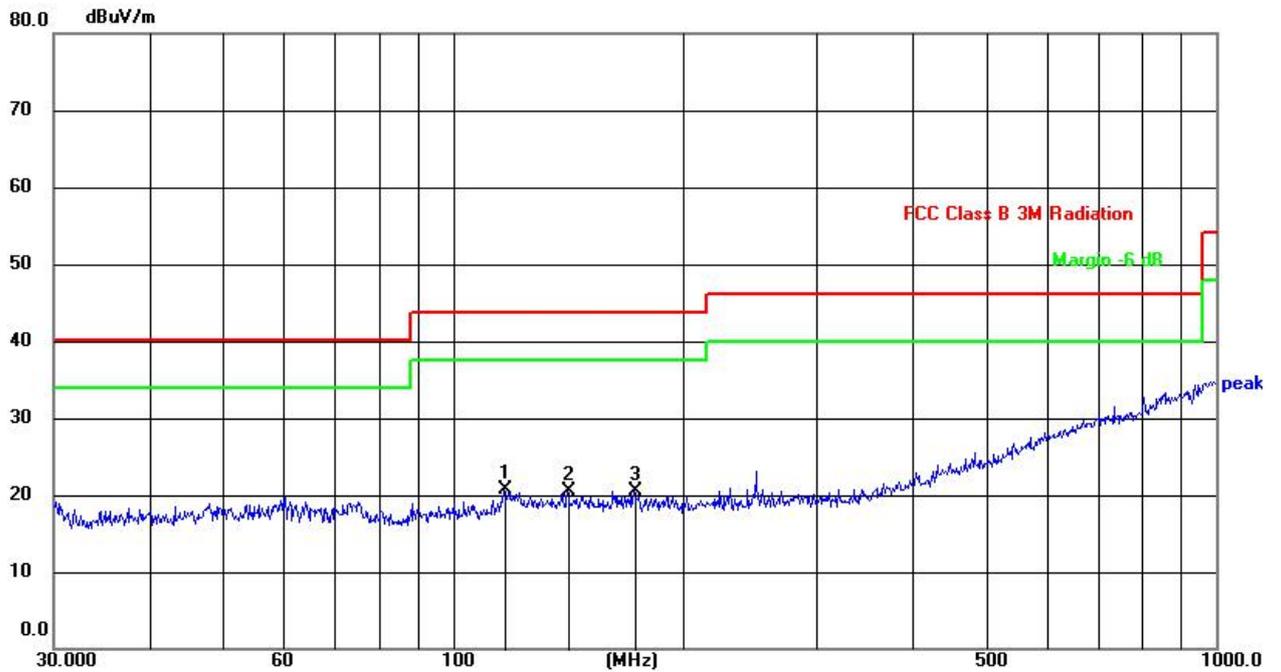
Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	119.8556	38.84	-19.28	19.56	43.50	-23.94	peak				
2	142.8243	38.38	-18.73	19.65	43.50	-23.85	peak				
3	183.8440	38.59	-18.03	20.56	43.50	-22.94	peak				

Operating Condition: Normal

Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	116.5401	39.99	-19.32	20.67	43.50	-22.83	peak				
2	141.3298	39.46	-18.93	20.53	43.50	-22.97	peak				
3	172.5988	39.04	-18.49	20.55	43.50	-22.95	peak				

5. Photographs - Constructional Details

Photo 1 Appearance of EUT

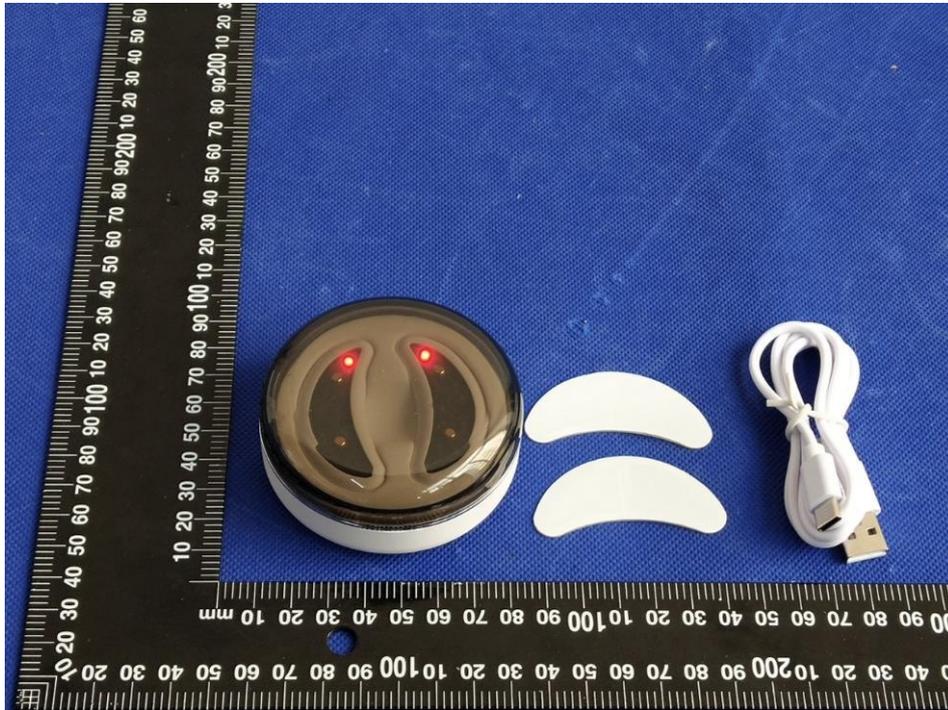


Photo 2 Appearance of EUT



Photo 3 Appearance of EUT

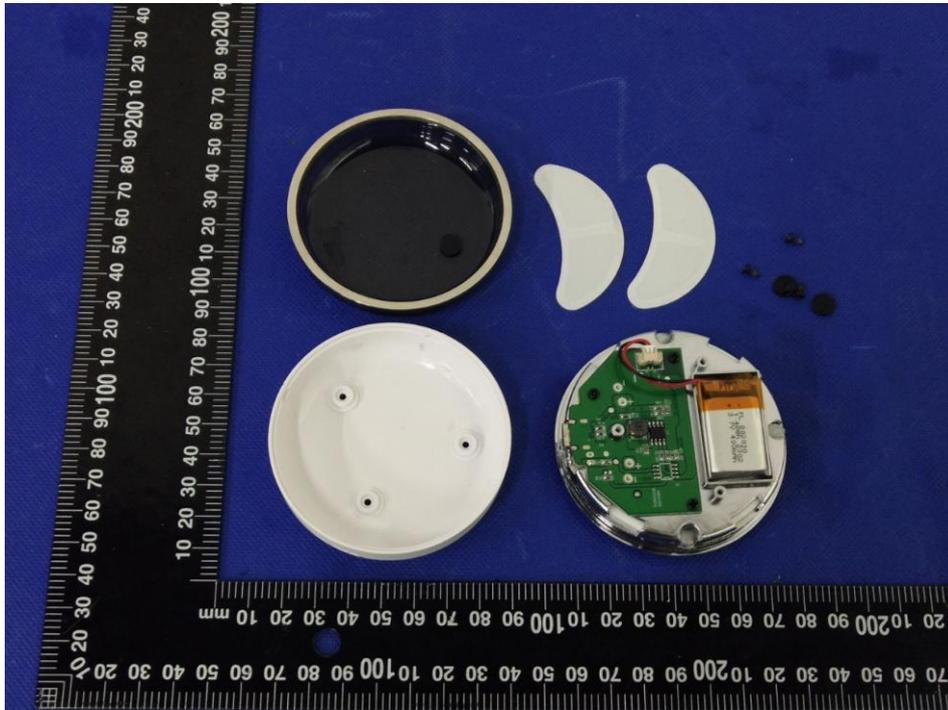


Photo 4 Appearance of EUT

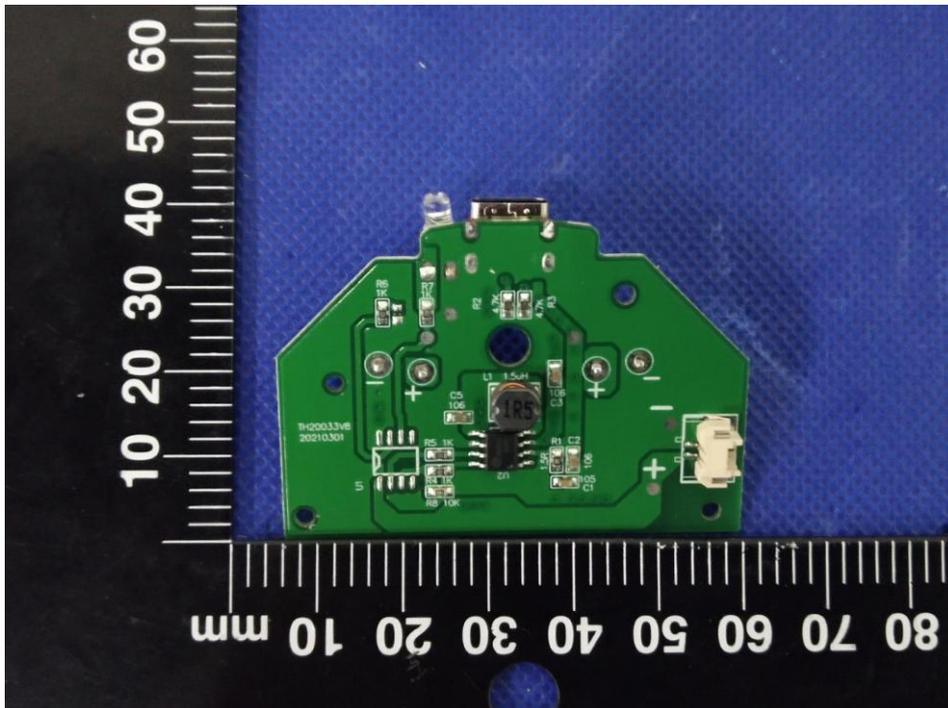


Photo 5 Appearance of EUT

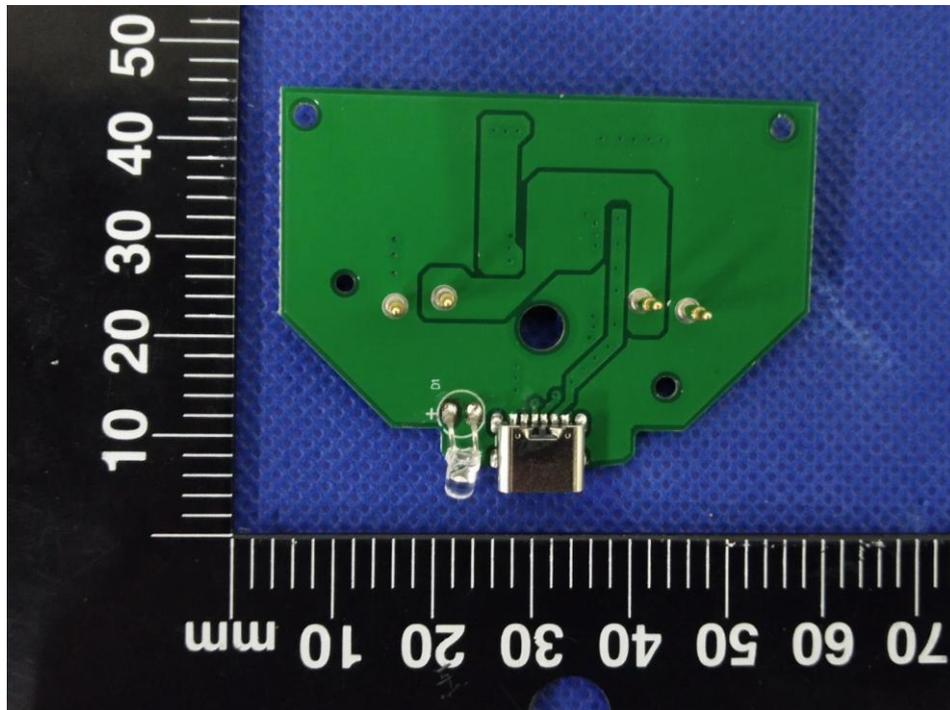
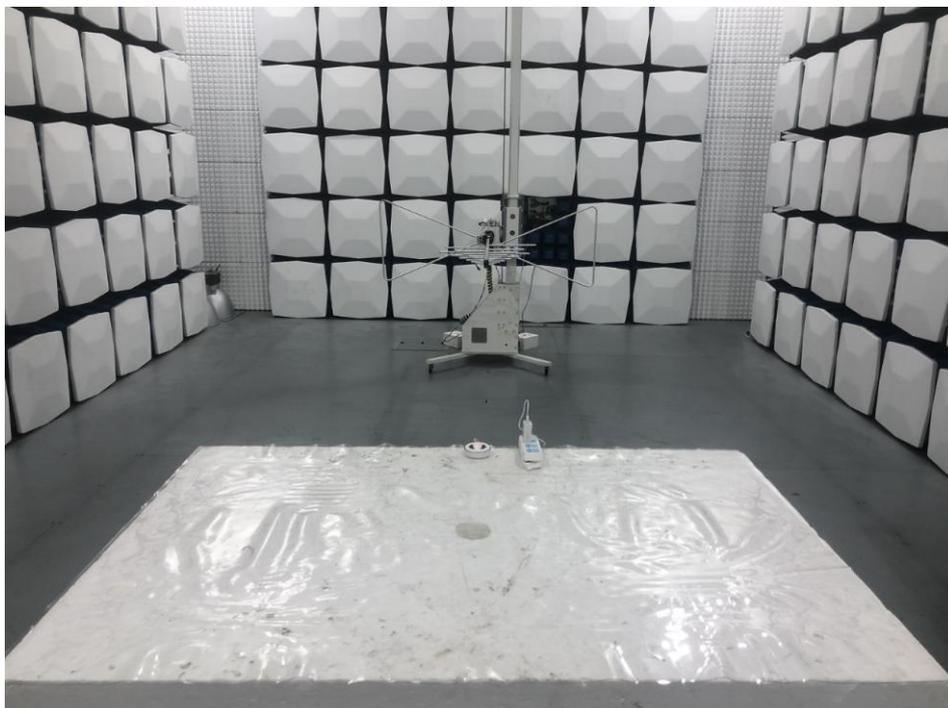


Photo 6 Test Setup



END OF REPORT

CERTIFICATE OF CONFORMITY

No. : HX210403012777
Applicant : Shenzhen Baichang Technology Co., Ltd.
Address : Floor 2, Building B, Sha'er Industrial Zone, Shajing Street, Bao'an District, Shenzhen China 518104
Manufacturer : Shenzhen Baichang Technology Co., Ltd.
Address : Floor 2, Building B, Sha'er Industrial Zone, Shajing Street, Bao'an District, Shenzhen China 518104
Product : BI09Eyes Massager
Model(s) : BI09
Trademark : N/A
Test Standard(s) : **EN 55014-1:2017/A11:2020;**
EN 55014-2: 2015.

The EUT described above has been tested by us with the listed standards and found in compliance with the Council EMC Directive 2014/30/EU. It is possible to use CE marking to demonstrate the compliance with the EMC Directive.

The certificate applies to the tested sample above mentioned only and shall not imply an assessment of the whole production. It is only valid in connection with the test report number: HX210403012777.



May 17, 2021

Shenzhen HX Detect Certification Co., Ltd.

2/F, bostai, building 22, Tangxi Yongli Industrial Zone, guxing community, Xixiang street,
Bao'an District, Shenzhen

HOTLINE:0755-29116082 Email: huaxunprc@163.com Http://www.hx-lab.com

EMC Test Report

Application No. : HX210403012777
Applicant : Shenzhen Baichang Technology Co., Ltd.
Equipment Under Test (EUT)
EUT Name : BI09Eyes Massager
Model No. : BI09
Serial No. : N/A
Brand Name : N/A
Receipt Date : 2021-04-09
Test Date : 2021-04-09 to 2021-04-16
Issue Date : 2021-05-17
Standards : EN 55014-1:2017/A11:2020
EN 55014-2: 2015
Conclusions : **PASS**

In the configuration tested, the EUT complied with the standards specified above. The EUT technically complies with the 2014/30/EU directive requirements.

Test/Witness Engineer : *Tim Chen*

Approved & Authorized



This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in the report.

TABLE OF CONTENTS

1. GENERAL INFORMATION.....	3
1.1. Client Information.....	3
1.2. General Description of EUT (Equipment Under Test).....	3
1.3. Block Diagram Showing the Configuration of System Tested.....	3
1.4. Description of Support Units.....	3
1.5. Performance Criterion.....	4
1.6. Classification of Apparatus.....	4
1.7. Test Facility.....	4
2. TEST RESULTS SUMMARY.....	5
3. TEST EQUIPMENT USED.....	6
4. CONDUCTED EMISSION TEST.....	8
4.1. Test Standard and Limit.....	8
4.2. Test Setup.....	8
4.3. Test Procedure.....	8
4.4. Test Condition.....	9
4.5. Test Data.....	9
5. RADIATED EMISSION TEST.....	12
5.1. Test Standard and Limit.....	12
5.2. Test Setup.....	12
5.3. Test Procedure.....	12
5.4. Test Condition.....	13
5.5. Test Data.....	13
6. ELECTROSTATIC DISCHARGE IMMUNITY TEST.....	16
6.1. Test Requirements.....	16
6.2. Test Setup.....	16
6.3. Test Procedure.....	16
6.4. Test Data.....	17
7. RADIATED ELECTROMAGNETIC FIELD IMMUNITY TEST.....	19
7.1. Test Requirements.....	19
7.2. Test Setup.....	19
7.3. Test Procedure.....	19
7.4. Test Data.....	20
8. PHOTOGRAPHS - CONSTRUCTIONAL DETAILS.....	22

1. General Information

1.1. Client Information

Applicant	:	Shenzhen Baichang Technology Co., Ltd.
Address	:	Floor 2, Building B, Sha'er Industrial Zone, Shajing Street, Bao'an District, Shenzhen China 518104
Manufacturer	:	Shenzhen Baichang Technology Co., Ltd.
Address	:	Floor 2, Building B, Sha'er Industrial Zone, Shajing Street, Bao'an District, Shenzhen China 518104

1.2. General Description of EUT (Equipment Under Test)

EUT Name	:	BI09Eyes Massager
Model No.	:	BI09
Serial No.	:	N/A
Brand Name	:	N/A
Power Supply	:	DC 5V, 1A

Remark: All above models are identical in schematic, structure and critical components except for only different appearance; therefore, EMC testing was performed with BI09 only.

1.3. Block Diagram Showing the Configuration of System Tested



1.4. Description of Support Units

The EUT has been tested as an independent unit.

1.5. Performance Criterion

Criterion A: The equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer when the equipment is used as intended.

Criterion B: After the test, the equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed, after the application of the phenomena below a performance level specified by the manufacturer, when the equipment is used as intended.

Criterion C: Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer's instructions.

1.6. Classification of Apparatus

Category I: Apparatus containing no electronic control circuitry.

Category II: Transformer toys, dual supply toys, mains powered motor operated appliances, tools, heating appliances and similar electric apparatus (for example-UV radiators, IR radiators and microwave ovens) containing electronic control circuitry with no internal clock frequency or oscillator frequency higher than 15MHz.

Category III: Battery powered apparatus (with built-in batteries or external batteries), which in normal use is not connected to the mains, containing an electronic control circuitry with no internal clock frequency or oscillator frequency higher than 15MHz.

This category includes apparatus provided with rechargeable batteries which can be charged by connecting the apparatus to the mains power. However, this apparatus shall also be tested as an apparatus in category III while it is connected to the mains network.

Category IV: All other apparatus covered by the scope of this standard.

1.7. Test Facility

The testing report were performed by the The testing report were performed by the Shenzhen HX Detect Certification Co., Ltd., in their facilities located at 2/F, bostai, building 22, Tangxi Yongli Industrial Zone, guxing community, Xixiang street, Bao'an District, Shenzhen.

2. Test Results Summary

EMISSION		
Description of test items	Standards	Results
Conducted disturbance at mains terminals	EN 55014-1:2017/A11:2020	N/A
Disturbance Power	EN 55014-1:2017/A11:2020	N/A
Click measurement	EN 55014-1:2017/A11:2020	N/A
Radiated disturbance	EN 55014-1:2017/A11:2020	Pass
Harmonic current emissions	EN IEC 61000-3-2: 2019	N/A
Voltage fluctuation and flicker	EN 61000-3-3:2013/A1:2019	N/A
IMMUNITY		
Description of test items	Basic Standards	Results
Electrostatic Discharge (ESD)	EN 61000-4-2: 2009	Pass
Radio-frequency, Continuous Radiated Disturbance	EN 61000-4-3: 2006/A2: 2010	Pass
EFT/B Immunity	EN 61000-4-4: 2012	N/A
Surge Immunity	EN 61000-4-5: 2014/A1:2017	N/A
Conducted RF Immunity	EN 61000-4-6: 2014	N/A
Voltage dips, 40% reduction	EN 61000-4-11:2004/A1:2017	N/A
Voltage dips, 70% reduction		
Voltage interruptions		
Note: N/A is an abbreviation for Not Applicable.		

3. Test Equipment Used

3.1. Test Equipment Used to Measure Conducted Emission					
No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
HX-EMC001	EMI Test Receiver	Rohde & Schwarz	ESCS30	Jan. 04, 2021	1 Year
HX-EMC002	AMN	Rohde & Schwarz	ENV216	Jan. 04, 2021	1 Year
HX-EMC003	AMN	SCHWARZBECK	NNBL 8226	Jan. 04, 2021	1 Year
3.2. Test Equipment Used to Measure Disturbance Power					
No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
HX-EMC001	EMI Test Receiver	Rohde & Schwarz	ESCS30	Jan. 04, 2021	1 Year
HX-EMC028	Power Clamp	Luthi	MDS-21	Jan. 04, 2021	1 Year
3.3. Test Equipment UseTest Equipment Used to Measure Radiated Emission					
No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
HX-EMC004	EMI Test Receiver	Rohde & Schwarz	ESI26	Jan. 04, 2021	1 Year
HX-EMC005	Bilog Antenna	SCHWARZBECK	VULB9163	Jan. 04, 2021	1 Year
HX-EMC006	Positioning Controller	C&C	CC-C-1F	N/A	N/A
3.4. Test Equipment Used to Measure Harmonic Current/ Voltage Fluctuation and Flicker					
No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
HX-EMC007	Harmonic Flicker Test System	CI	5001ix-CTS-40	Jan. 04, 2021	1 Year
3.5. Test Equipment Used to Measure Electrostatic Discharge Immunity					
No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
HX-EMC008	ESD Tester	TESEQ	NSG437	Jan. 04, 2021	1 Year
3.6. Test Equipment Used to Measure Conducted Immunity					
HX-EMC009	RF Generator	FRANKONIA	CIT-10/75	Jan. 04, 2021	1 Year
HX-EMC010	Attenuator	FRANKONIA	59-6-33	Jan. 04, 2021	1 Year
HX-EMC011	M-CDN	LUTHI	M2/M3	Jan. 04, 2021	1 Year
HX-EMC012	CDN	LUTHI	AF2	Jan. 04, 2021	1 Year
HX-EMC013	EM Injection Clamp	LUTHI	EM101	Jan. 04, 2021	1 Year

3.7. Test Equipment Used to Measure Radio Frequency Electromagnetic Fields Immunity

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
HX-EMC014	Signal Generator	Rohde & Schwarz	SMT03	Jan. 04, 2021	1 Year
HX-EMC015	Power Meter	Rohde & Schwarz	NRVD	Jan. 04, 2021	1 Year
HX-EMC016	Voltage Probe	Rohde & Schwarz	URV5-Z2	Jan. 04, 2021	1 Year
HX-EMC017	Voltage Probe	Rohde & Schwarz	URV5-Z2	Jan. 04, 2021	1 Year
HX-EMC018	Power Amplifier	AR	150W1000	Jan. 04, 2021	1 Year
HX-EMC019	Bilog Antenna	Chase	CBL6111C	Jan. 04, 2021	1 Year

3.8. Test Equipment Used to Measure Electrical Fast Transient/Burst Immunity

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
HX-EMC020	Simulator	EMTEST	UCS500N5	Jan. 04, 2021	1 Year
HX-EMC021	Auto-transformer	EMTEST	V4780S2	Jan. 04, 2021	1 Year

3.9. Test Equipment Used to Measure Surge Immunity

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
HX-EMC022	Simulator	EMTEST	UCS500N5	Jan. 04, 2021	1 Year
HX-EMC023	Coupling Clamp	EMTEST	HFK	Jan. 04, 2021	1 Year

3.10. Test Equipment Used to Measure Voltage Dips and Interruptions Immunity

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
HX-EMC022	Simulator	EMTEST	UCS500N5	Jan. 04, 2021	1 Year
HX-EMC023	Coupling Clamp	EMTEST	HFK	Jan. 04, 2021	1 Year

4. Conducted Emission Test

4.1. Test Standard and Limit

4.1.1. Test Standard

EN 55014-1:2017/A11:2020.

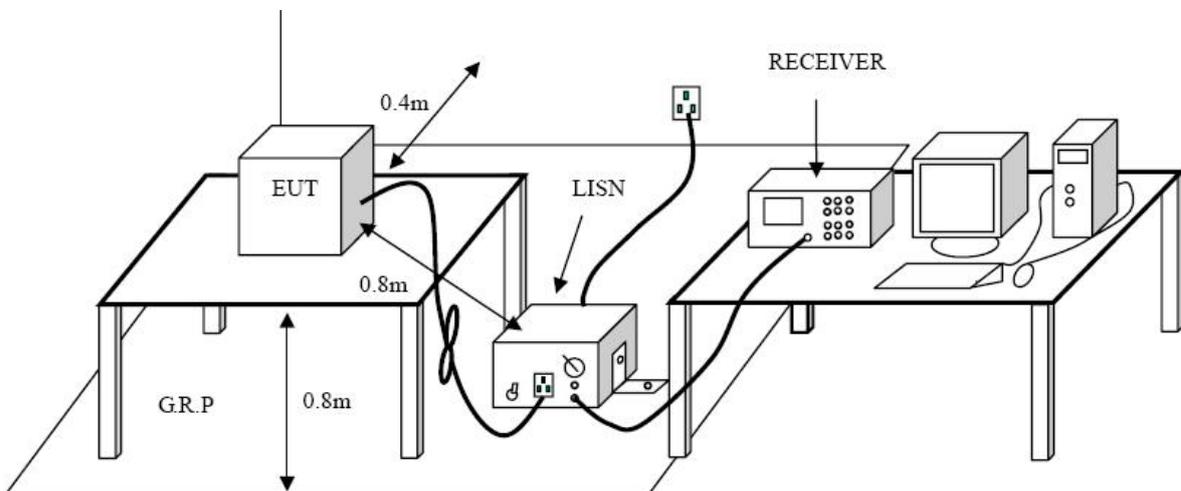
4.1.2. Test Limit

Conducted Disturbance Test Limit

Frequency	Maximum RF Line Voltage (dB μ V)	
	Quasi-peak Level	Average Level
150kHz~350kHz	66 ~ 56*	56 ~ 46 *
350kHz~5MHz	56	46
5MHz~30MHz	60	50

Remark: "*" Decreasing linearly with logarithm of the frequency

4.2. Test Setup



4.3. Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

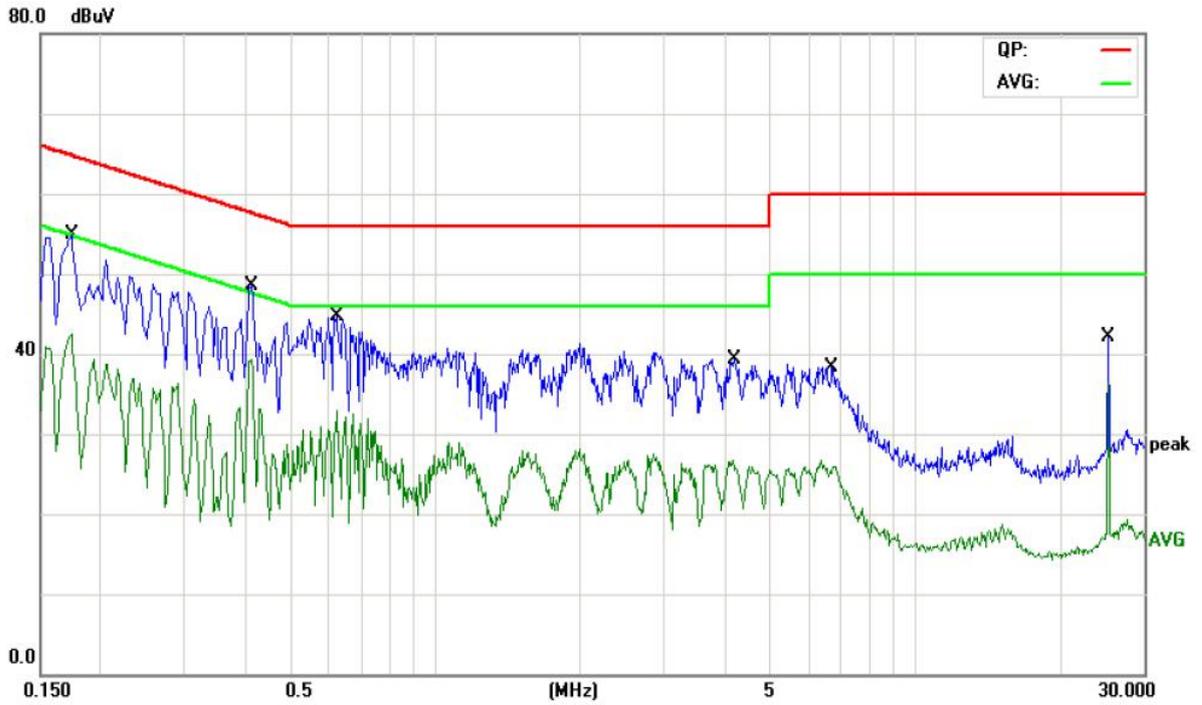
4.4. Test Condition

Temperature	:	25 °C
Relative Humidity	:	48 %
Pressure	:	1010 hPa
Test Power	:	AC 230V/50Hz

4.5. Test Data

Please refer to the following pages.

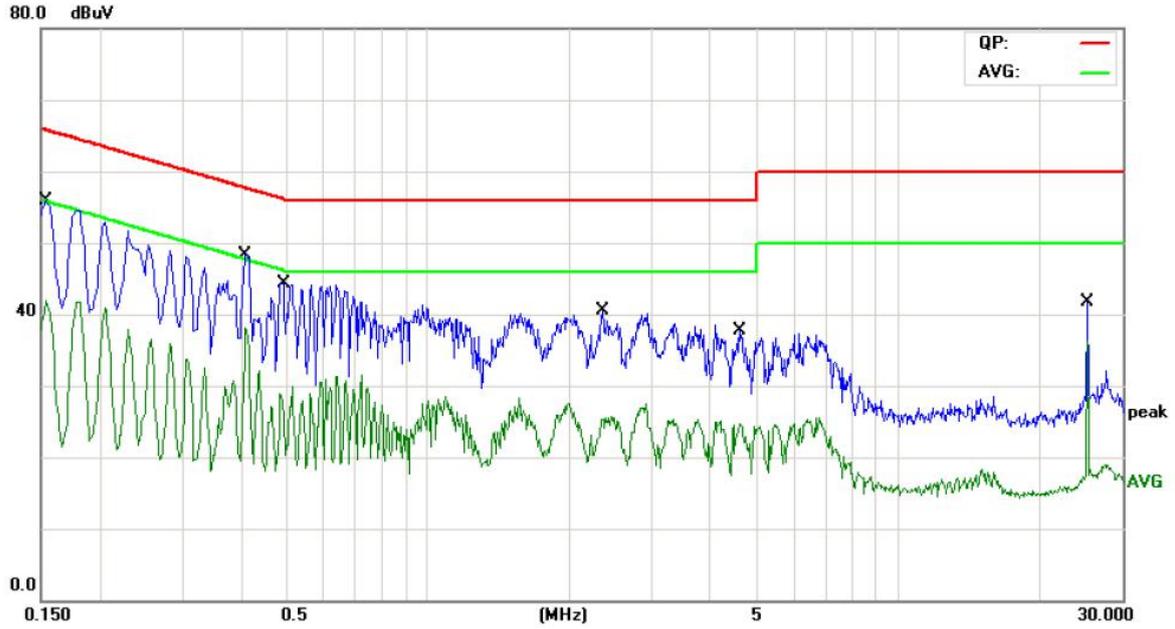
Operating Condition: Normal
Test Specification: L



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1740	26.32	21.04	47.36	64.76	-17.40	QP	
2	*	0.4140	24.55	21.07	45.62	57.57	-11.95	QP	
3		0.6220	19.90	21.06	40.96	56.00	-15.04	QP	
4		4.1898	18.87	20.51	39.38	56.00	-16.62	QP	
5		6.7019	18.21	20.19	38.40	60.00	-21.60	QP	
6		25.3140	22.23	19.86	42.09	60.00	-17.91	QP	

Operating Condition: Normal

Test Specification: N



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1539	32.53	21.29	53.82	65.78	-11.96	QP	
2	*	0.4100	24.71	21.11	45.82	57.65	-11.83	QP	
3		0.4940	16.84	21.12	37.96	56.10	-18.14	QP	
4		2.3460	19.75	20.78	40.53	56.00	-15.47	QP	
5		4.6179	17.30	20.43	37.73	56.00	-18.27	QP	
6		25.3140	21.77	19.91	41.68	60.00	-18.32	QP	

5. Radiated Emission Test

5.1. Test Standard and Limit

5.1.1. Test Standard

EN 55014-1:2017/A11:2020.

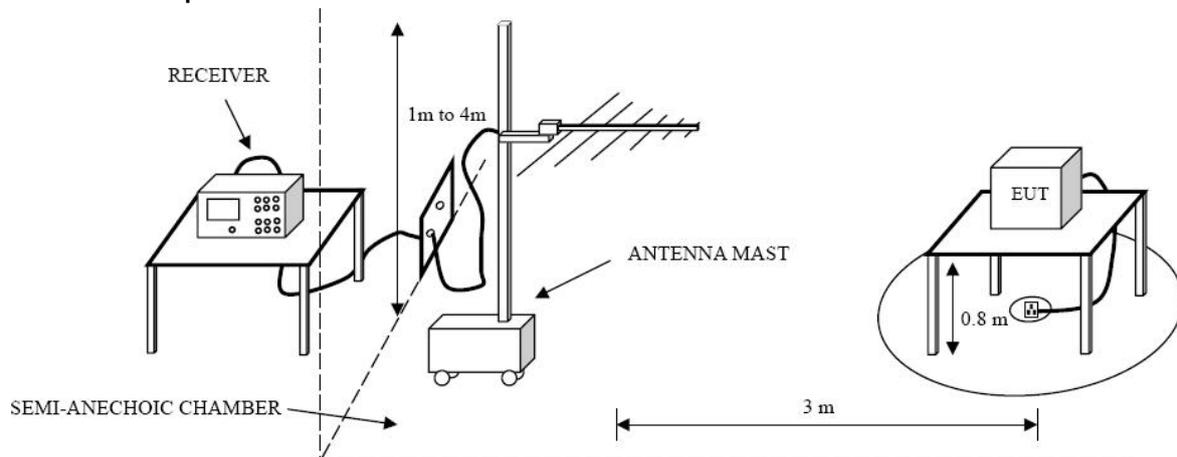
5.1.2. Test Limit

Radiated Disturbance Test Limit

Frequency	Limit (dB μ V/m)
	Quasi-peak Level
30MHz~230MHz	40
230MHz~1000MHz	47

Remark: 1. The lower limit shall apply at the transition frequency.
2. The test distance is 3m.

5.2. Test Setup



5.3. Test Procedure

The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m. The table was rotated 360 degrees to determine the position of the highest radiation.

The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

The initial step in collecting radiated emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range.

If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.

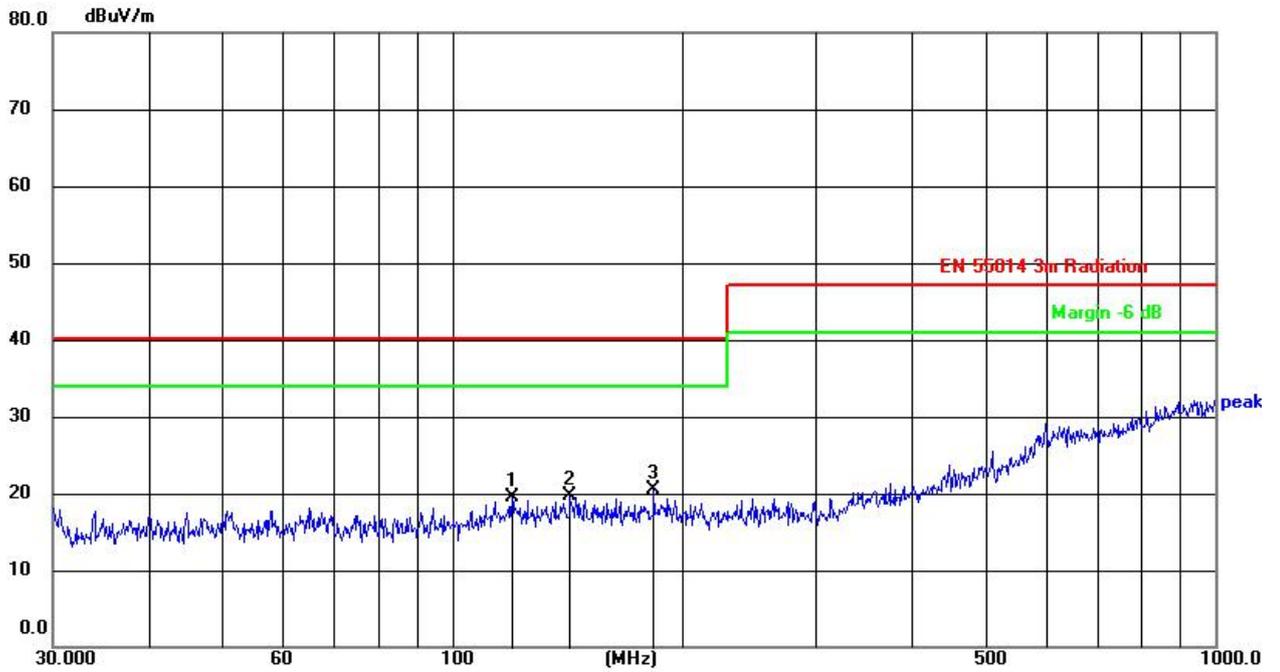
5.4. Test Condition

Temperature	:	23 °C
Relative Humidity	:	52 %
Pressure	:	1010 hPa
Test Power	:	DC 5V

5.5. Test Data

Please refer to the following pages.

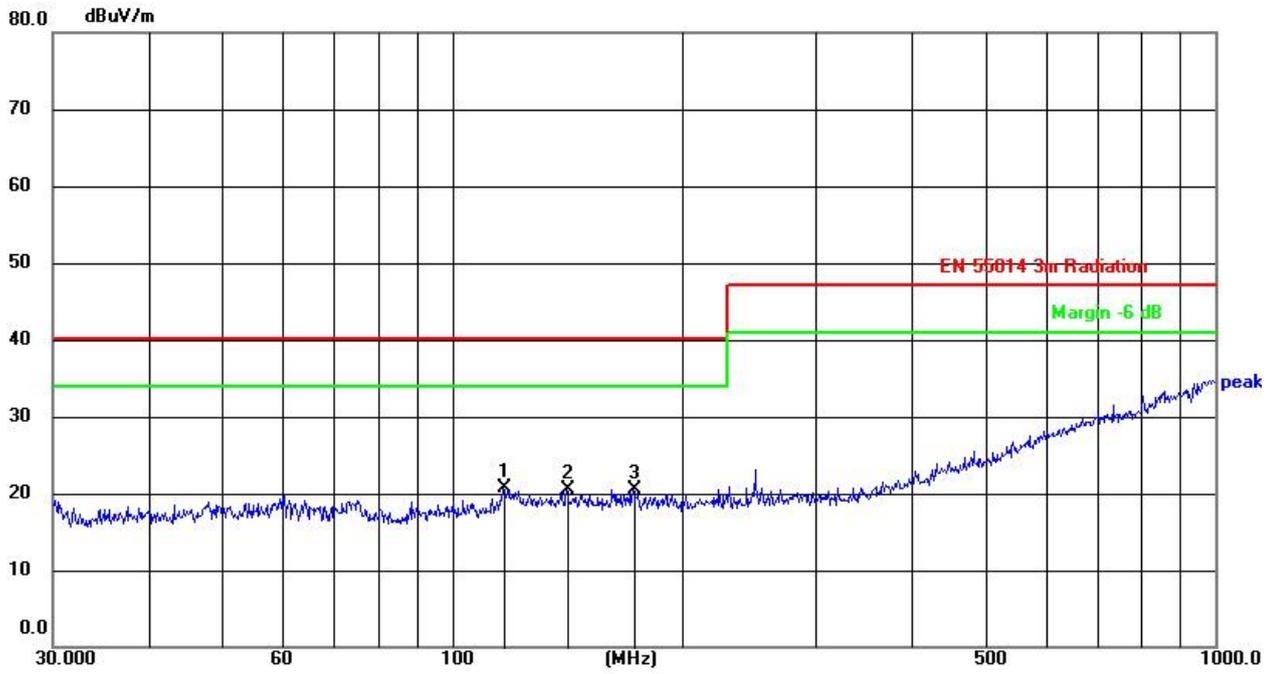
Operating Condition: Normal
Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	119.8556	38.84	-19.28	19.56	40.00	-20.44	peak				
2	142.8243	38.38	-18.73	19.65	40.00	-20.35	peak				
3	183.8440	38.59	-18.03	20.56	40.00	-19.44	peak				

Operating Condition: Normal

Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	116.5401	39.99	-19.32	20.67	40.00	-19.33	peak				
2	141.3298	39.46	-18.93	20.53	40.00	-19.47	peak				
3	172.5988	39.04	-18.49	20.55	40.00	-19.45	peak				

6. Electrostatic Discharge Immunity Test

6.1. Test Requirements

6.1.1. Test Standard

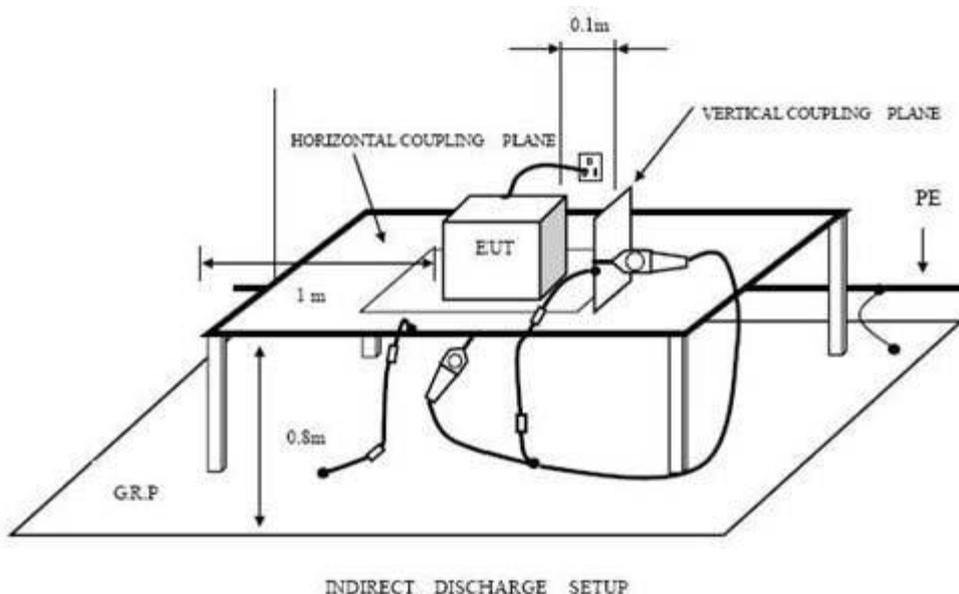
EN 55014-2: 2015 (EN 61000-4-2:2009)

6.1.2. Test Level

Level	Test Voltage Contact Discharge (KV)	Test Voltage Air Discharge (KV)
1.0	±2	±2
2.0	±4	±4
3.0	±6	±8
4.0	±8	±15
X	Special	Special

6.1.3. Performance criterion: B

6.2. Test Setup



6.3. Test Procedure

6.3.1. Air Discharge:

This test is done on a non-conductive surface. The round discharge tip of the discharge electrode shall be approached as fast as possible to touch the EUT. After each discharge, the discharge electrode shall be removed from the EUT. The generator is then re-triggered for a new single discharge and repeated 10 times for each pre-selected test point. This procedure shall be repeated until all the air discharge completed.

6.3.2. Contact Discharge:

All the procedure shall be same as air discharge. Except that the tip of the discharge electrode shall touch the EUT before the discharge switch is operated.

6.3.3. Indirect discharge for horizontal coupling plane

At least 10 single discharges (in the most sensitive polarity) shall be applied at the front edge of each HCP opposite the center point of each unit (if applicable) of the EUT and 0.1m from the front of the EUT. The long axis of the discharge electrode shall be in the plane of the HCP and perpendicular to its front edge during the discharge.

6.3.4. Indirect discharge for vertical coupling plane

At least 10 single discharges (in the most sensitive polarity) shall be applied to the center of one vertical edge of the coupling plane. The coupling plane, of dimensions 0.5m X 0.5m, is placed parallel to, and positioned at a distance of 0.1m from the EUT. Discharges shall be applied to the coupling plane, with this plane in sufficient different positions that the four faces of the EUT are completely illuminated.

6.4. Test Data

Please refer to the following page.

Electrostatic Discharge Test Result

EUT : <u>BI09Eyes Massager</u>	M/N : <u>BI09</u>	
Temperature : <u>22°C</u>	Humidity : <u>50%</u>	
Power supply : <u>DC 5V</u>	Test Mode : <u>Normal</u>	
Criterion: B		
Air Discharge: ±8kV Contact Discharge: ±4kV		
For each point positive 10 times and negative 10 times discharge.		
Location	Kind A-Air Discharge C-Contact Discharge	Result
Nonconductive Enclosure	A	PASS
Button	A	PASS
Conductive Enclosure	C	PASS
HCP	C	PASS
VCP of front	C	PASS
VCP of rear	C	PASS
VCP of left	C	PASS
VCP of right	C	PASS
Remark:		

7. Radiated Electromagnetic Field Immunity test

7.1. Test Requirements

7.1.1. Test Standard

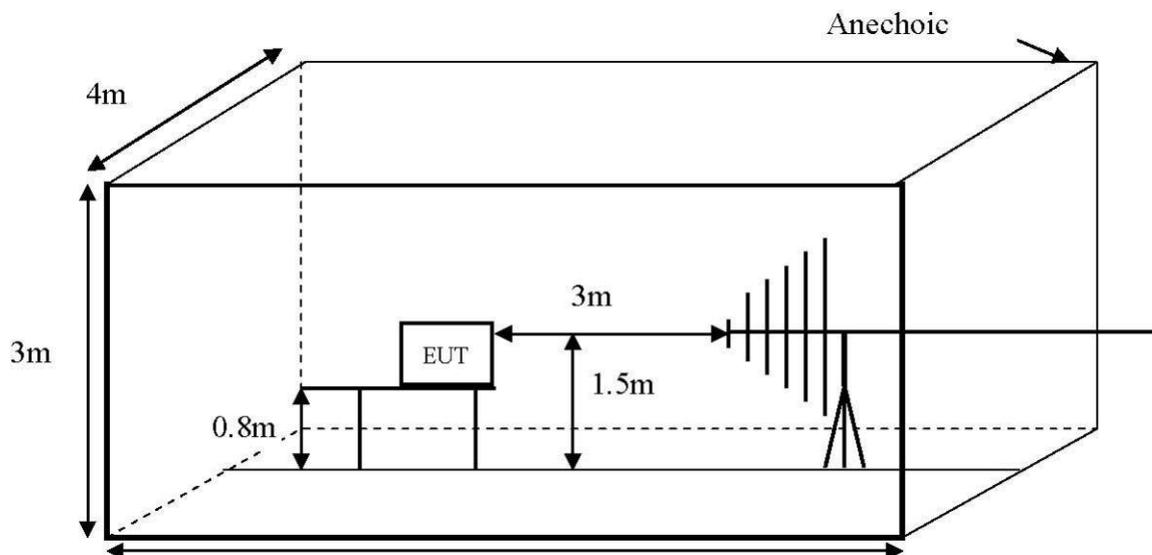
EN55014-2: 2015 (EN 61000-4-3: 2006/A2: 2010)

7.1.2. Test Level

Level	Field Strength V/m
1.0	1
2.0	3
3.0	10
X	Special

7.1.3. Performance criterion: A

7.2. Test Setup



7.3. Test Procedure

The EUT are placed on a table, which is 0.8 meter high above the ground. The EUT is set 3 meters away from the transmitting antenna, which is mounted on an antenna tower. Both horizontal and vertical polarization of the antenna is set on test. Each of the four sides of the EUT must be faced this transmitting antenna and measured individually.

In order to judge the EUT performance, a camera is used to monitor its screen.

All the scanning conditions are as following:

Condition of Test	Remark
1. Fielded Strength	3V/m (Severity Level 2)
2. Radiated Signal	Modulated
3. Scanning Frequency	80-1000MHz
4. Sweep time of radiated	0.0015 Decade/s
5. Dwell Time	1 Sec.

7.4. Test Data

Please refer to the following page.

RF Field Strength Susceptibility Test Results

EUT	: <u>BI09Eyes Massager</u>	M/N	: <u>BI09</u>	
Temperature	: <u>22°C</u>	Humidity	: <u>50%</u>	
Power supply	: <u>DC 5V</u>	Test Mode	: <u>Normal</u>	
Criterion: A				
Modulation: Unmodulated				
Pulse: AM 1KHz 80%				
	Frequency Range 1		Frequency Range 2	
	80~1000MHz		/	
	Horizontal	Vertical	Horizontal	Vertical
Front	PASS	PASS	/	/
Right	PASS	PASS	/	/
Rear	PASS	PASS	/	/
Left	PASS	PASS	/	/

8. Photographs - Constructional Details

Photo 1 Appearance of EUT

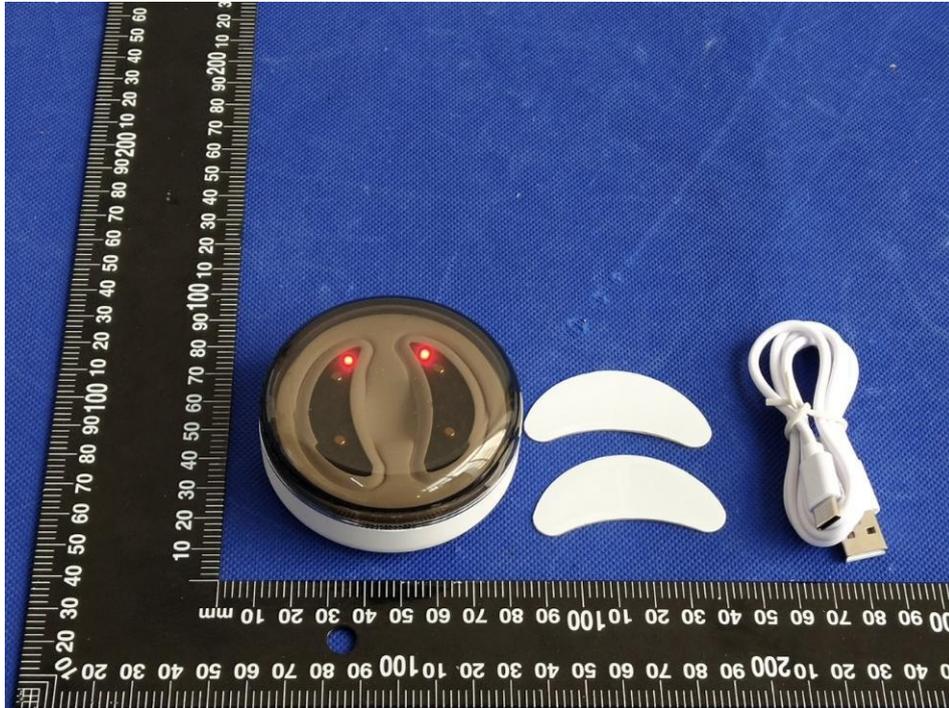


Photo 2 Appearance of EUT



Photo 3 Appearance of EUT

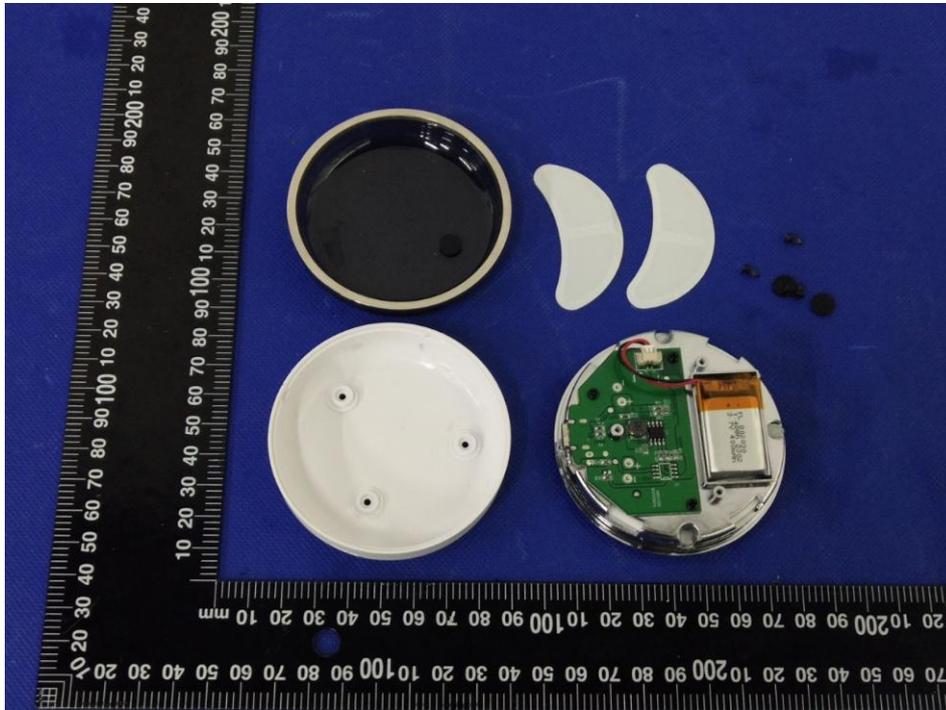


Photo 4 Appearance of EUT

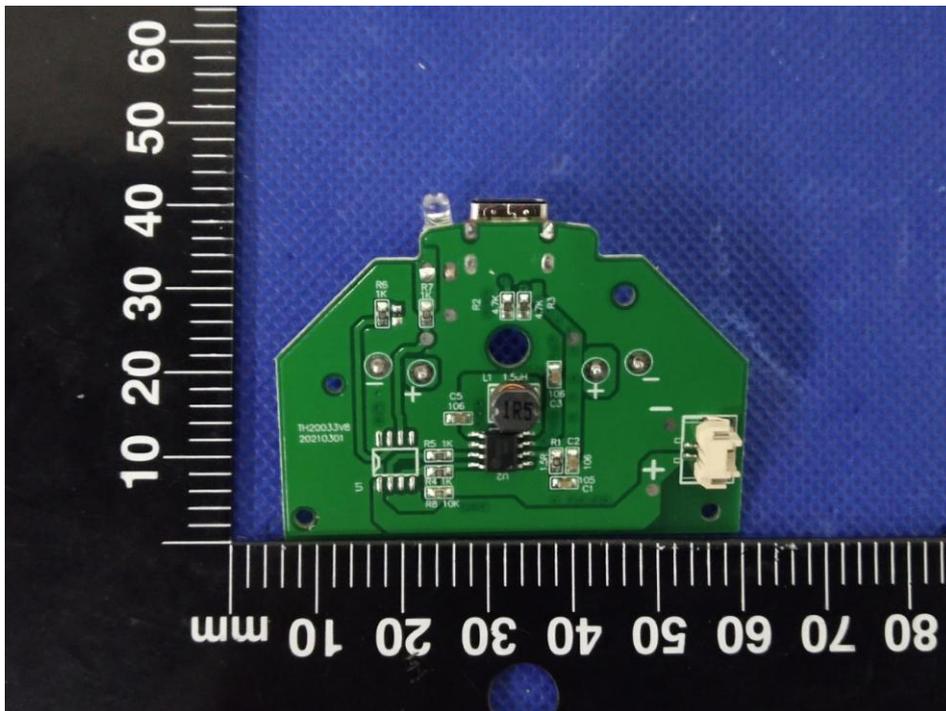


Photo 5 Appearance of EUT

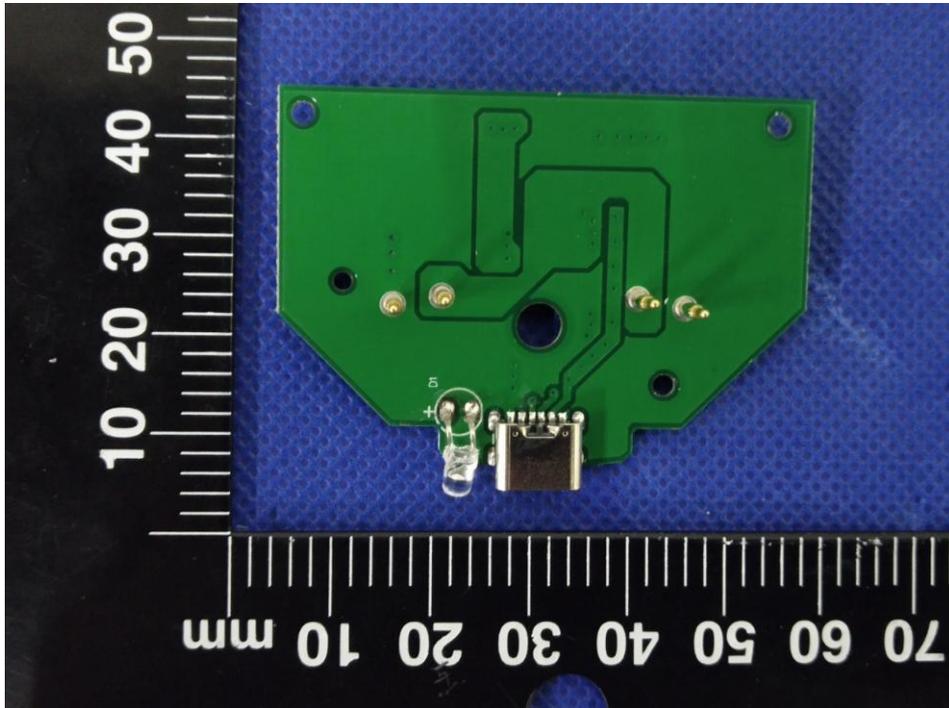
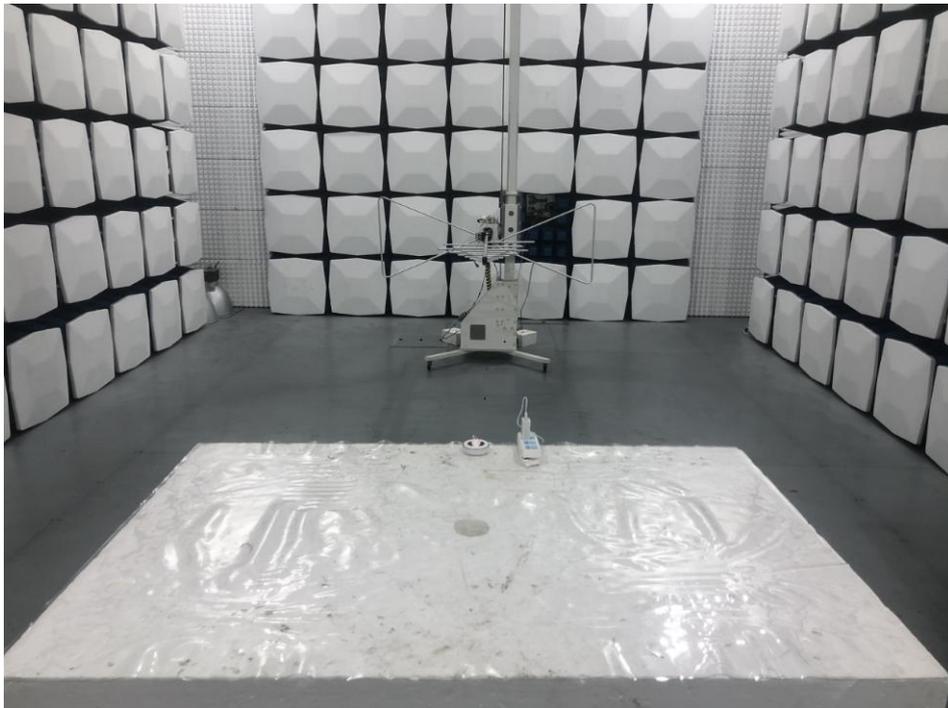


Photo 6 Test Setup



END OF REPORT



(12) 外观设计专利

(10) 授权公告号 CN 306633235 S

(45) 授权公告日 2021.06.22

(21) 申请号 202130069118.0

(22) 申请日 2021.01.30

(73) 专利权人 深圳市百昌科技有限公司
地址 518100 广东省深圳市宝安区沙井街
道蚝乡路沙二工业区1栋北侧四楼A

(72) 设计人 杨罗密

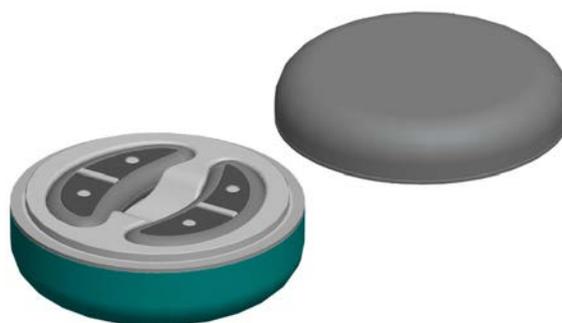
(74) 专利代理机构 深圳胜博时代专利代理事务
所(普通合伙) 44506

代理人 黄海艳

(51) LOC (13) CI .
28-03

图片或照片 22 幅 简要说明 1 页

(54) 使用外观设计的产品名称
眼袋按摩贴 (BI09)



组合状态参考图



组合状态参考图



组件1右视图



组件1主视图



组件1俯视图



组件1后视图



组件1仰视图



组件1左视图



组件1立体图



组件2主视图



组件2俯视图



组件2后视图



组件2仰视图



组件2左视图



组件2立体图



组件2右视图



组件3主视图



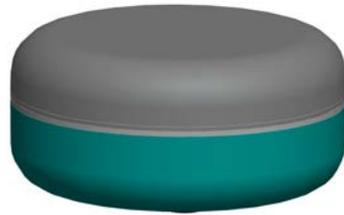
组件3后视图



组件3仰视图



组件3左视图



组件3立体图



组件3右视图



组件3俯视图

1. 本外观设计产品的名称:眼袋按摩贴(BI09)。
2. 本外观设计产品的用途:用于按摩眼袋。
3. 本外观设计产品的设计要点:在于形状。
4. 最能表明设计要点的图片或照片:组合状态参考图。