

Applicant Shenzhen Wins Novelty Co.,Ltd.**Address** 2F, Building 30, Chen Tian industrial park, bao min second road, xi xiang, Bao an district, Shenzhen, China

The following sample(s) was /were submitted and identified on behalf of the clients as :

Sample Name: Head Up Display**Trade Name:** N/A**M/N:** M8**Testing Period:** April 30, 2019-May 8, 2019**Test Requested:** Selected test (s) in the selected parts as requested by client with the RoHS 2.0 Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU on the restriction of hazardous substances.**Test Method** Please refer to next page(s).**Test Result** Please refer to next page(s).**Test conclusion:** Based upon the performed tests by submitted samples, the test results comply with the limits of the RoHS 2.0 Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Signed for and on behalf of

Lemon.Rao
Technical Director

Unless otherwise agreed in writing, this document is issued by the company subject to its general conditions of service printed overleaf, available on request or accessible at <http://www.tmc-lab.com>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. This report shall not be altered, increased or deleted. The results shown in this test report refer only to the sample(s) tested. Without written approval of TMC, this test report shall not be copied except in full and published as advertisement.

RoHS 2.0 Test Result:

SAMP LE NO.	COMPON ENTS	Item	Results of EDXRF (P/F/D)	Test Method (Reference)	Results of testing	Chemic al testing limit (mg/kg)	Conclusio n (P/F)
1	Black plastic case	Cd	P	IEC62321-5:2013, ICP-AES	-	< 100	P
		Cr	P	IEC62321-7-1:2015 IEC62321-7-2:2017,UV-Vis		< 1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		< 1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		< 1000	P
		PBBs	P	IEC62321-6:2015,GC-MS		< 1000	P
		PBDEs	P	IEC62321-6:2015,GC-MS		< 1000	P
		DBP	-	IEC62321-8:2017,GC-MS	N.D	< 1000	P
		BBP		IEC62321-8:2017,GC-MS	N.D	< 1000	P
		DEHP		IEC62321-8:2017,GC-MS	N.D	< 1000	P
		DIBP		IEC62321-8:2017,GC-MS	N.D	< 1000	P
2	Printing ink	Cd	P	IEC62321-5:2013, ICP-AES	-	< 100	P
		Cr	P	IEC62321-7-1:2015 IEC62321-7-2:2017,UV-Vis		< 1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		< 1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		< 1000	P
		PBBs	P	IEC62321-6:2015,GC-MS		< 1000	P
		PBDEs	P	IEC62321-6:2015,GC-MS		< 1000	P
		DBP	-	IEC62321-8:2017,GC-MS	N.D	< 1000	P
		BBP		IEC62321-8:2017,GC-MS	N.D	< 1000	P
		DEHP		IEC62321-8:2017,GC-MS	N.D	< 1000	P
		DIBP		IEC62321-8:2017,GC-MS	N.D	< 1000	P
3	Pad pasting	Cd	P	IEC62321-5:2013, ICP-AES	-	< 100	P
		Cr	P	IEC62321-7-1:2015 IEC62321-7-2:2017,UV-Vis		< 1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		< 1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		< 1000	P
		PBBs	P	IEC62321-6:2015,GC-MS		< 1000	P
		PBDEs	P	IEC62321-6:2015,GC-MS		< 1000	P
		DBP	-	IEC62321-8:2017,GC-MS	N.D	< 1000	P
		BBP		IEC62321-8:2017,GC-MS	N.D	< 1000	P
		DEHP		IEC62321-8:2017,GC-MS	N.D	< 1000	P
		DIBP		IEC62321-8:2017,GC-MS	N.D	< 1000	P

SAMP LE NO.	COMPON ENTS	Item	Results of EDXRF (P/F/D)	Test Method (Reference)	Results of testing	Chemical testing limit (mg/kg)	Conclusio n (P/F)
4	Plastic film	Cd	P	IEC62321-5:2013, ICP-AES	-	<100	P
		Cr	P	IEC62321-7-1:2015 IEC62321-7-2:2017,UV-Vis		<1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		<1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		<1000	P
		PBBs	P	IEC62321-6:2015,GC-MS		<1000	P
		PBDEs	P	IEC62321-6:2015,GC-MS		<1000	P
		DBP	-	IEC62321-8:2017,GC-MS	N.D.	<1000	P
		BBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DEHP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DIBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
5	Black silicone	Cd	P	IEC62321-5:2013, ICP-AES	-	<100	P
		Cr	P	IEC62321-7-1:2015 IEC62321-7-2:2017,UV-Vis		<1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		<1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		<1000	P
		PBBs	P	IEC62321-6:2015,GC-MS		<1000	P
		PBDEs	P	IEC62321-6:2015,GC-MS		<1000	P
		DBP	-	IEC62321-8:2017,GC-MS	N.D.	<1000	P
		BBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DEHP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DIBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
6	Core of cable	Cd	P	IEC62321-5:2013, ICP-AES	-	<100	P
		Cr	P	IEC62321-7-1:2015 IEC62321-7-2:2017,UV-Vis		<1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		<1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		<1000	P
		PBBs	-	IEC62321-6:2015,GC-MS		<1000	P
		PBDEs		IEC62321-6:2015,GC-MS		<1000	P
		DBP		IEC62321-8:2017,GC-MS		<1000	P
		BBP		IEC62321-8:2017,GC-MS		<1000	P
		DEHP	-	IEC62321-8:2017,GC-MS		<1000	P
		DIBP		IEC62321-8:2017,GC-MS		<1000	P
7	Black wire protector	Cd	P	IEC62321-5:2013, ICP-AES	-	<100	P
		Cr	P	IEC62321-7-1:2015 IEC62321-7-2:2017,UV-Vis		<1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		<1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		<1000	P
		PBBs	P	IEC62321-6:2015,GC-MS		<1000	P
		PBDEs	P	IEC62321-6:2015,GC-MS		<1000	P
		DBP	-	IEC62321-8:2017,GC-MS	N.D.	<1000	P
		BBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DEHP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DIBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P

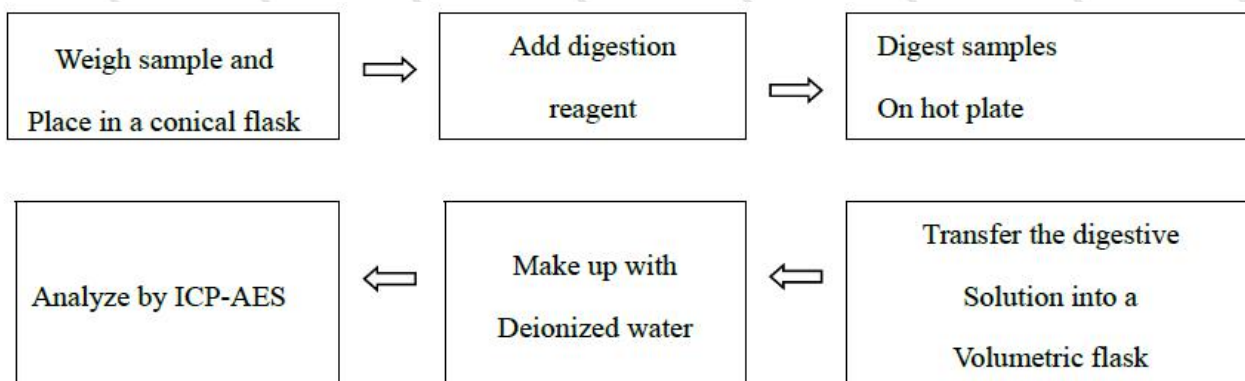
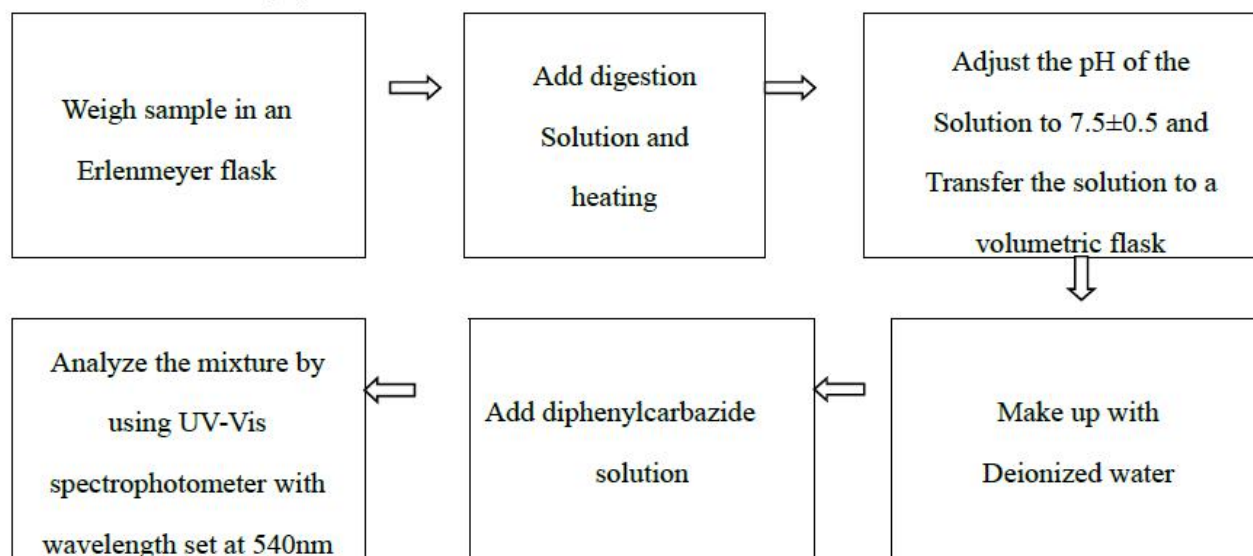
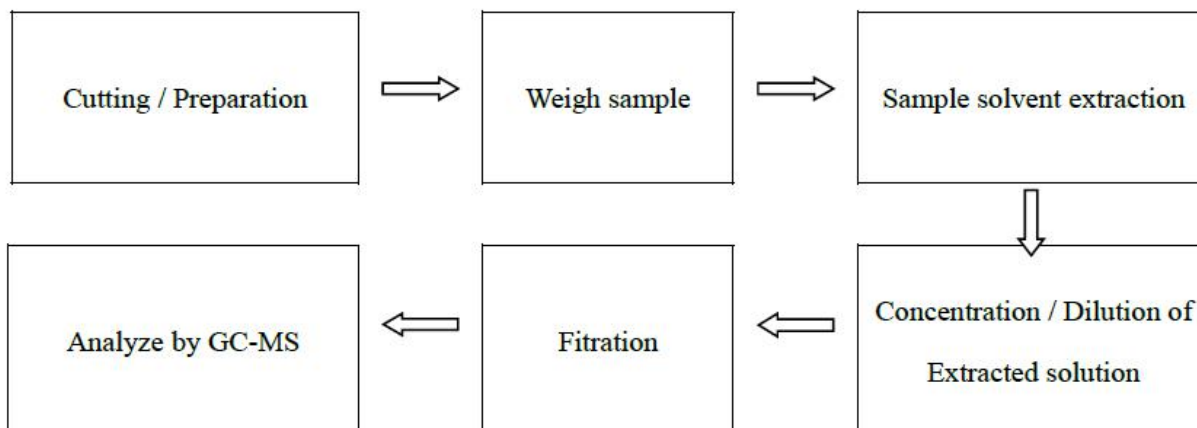
SAMP LE NO.	COMPON ENTS	Item	Results of EDXRF (P/F/D)	Test Method (Reference)	Results of testing	Chemical testing limit (mg/kg)	Conclusio n (P/F)
8	Black tie	Cd	P	IEC62321-5:2013, ICP-AES	-	<100	P
		Cr	P	IEC62321-7-1:2015 IEC62321-7-2:2017,UV-Vis		<1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		<1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		<1000	P
		PBBs	P	IEC62321-6:2015,GC-MS		<1000	P
		PBDEs	P	IEC62321-6:2015,GC-MS		<1000	P
		DBP	-	IEC62321-8:2017,GC-MS	N.D.	<1000	P
		BBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DEHP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DIBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
9	Input port	Cd	P	IEC62321-5:2013, ICP-AES	-	<100	P
		Cr	P	IEC62321-7-1:2015 IEC62321-7-2:2017,UV-Vis		<1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		<1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		<1000	P
		PBBs	P	IEC62321-6:2015,GC-MS		<1000	P
		PBDEs	P	IEC62321-6:2015,GC-MS		<1000	P
		DBP	-	IEC62321-8:2017,GC-MS	N.D.	<1000	P
		BBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DEHP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DIBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
10	Lamp beads	Cd	P	IEC62321-5:2013, ICP-AES	-	<100	P
		Cr	P	IEC62321-7-1:2015 IEC62321-7-2:2017,UV-Vis		<1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		<1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		<1000	P
		PBBs	P	IEC62321-6:2015,GC-MS		<1000	P
		PBDEs	P	IEC62321-6:2015,GC-MS		<1000	P
		DBP	-	IEC62321-8:2017,GC-MS	N.D.	<1000	P
		BBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DEHP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DIBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
11	Screw	Cd	P	IEC62321-5:2013, ICP-AES	-	<100	P
		Cr	P	IEC62321-7-1:2015		<1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		<1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		<1000	P
		PBBs	-	IEC62321-6:2015,GC-MS		<1000	P
		PBDEs		IEC62321-6:2015,GC-MS		<1000	P
		DBP		IEC62321-8:2017,GC-MS		<1000	P
		BBP		IEC62321-8:2017,GC-MS		<1000	P
		DEHP	-	IEC62321-8:2017,GC-MS		<1000	P
		DIBP		IEC62321-8:2017,GC-MS		<1000	P

SAMP LE NO.	COMPON ENTS	Item	Results of EDXRF (P/F/D)	Test Method (Reference)	Results of testing	Chemical testing limit (mg/kg)	Conclusio n (P/F)
12	Hot melt adhesive	Cd	P	IEC62321-5:2013, ICP-AES	-	<100	P
		Cr	P	IEC62321-7-1:2015 IEC62321-7-2:2017,UV-Vis		<1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		<1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		<1000	P
		PBBs	P	IEC62321-6:2015,GC-MS		<1000	P
		PBDEs	P	IEC62321-6:2015,GC-MS		<1000	P
		DBP	-	IEC62321-8:2017,GC-MS	N.D.	<1000	P
		BBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DEHP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DIBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
13	White plastic	Cd	P	IEC62321-5:2013, ICP-AES	-	<100	P
		Cr	P	IEC62321-7-1:2015 IEC62321-7-2:2017,UV-Vis		<1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		<1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		<1000	P
		PBBs	P	IEC62321-6:2015,GC-MS		<1000	P
		PBDEs	P	IEC62321-6:2015,GC-MS		<1000	P
		DBP	-	IEC62321-8:2017,GC-MS	N.D.	<1000	P
		BBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DEHP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DIBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
14	PCB board	Cd	P	IEC62321-5:2013, ICP-AES	-	<100	P
		Cr	P	IEC62321-7-1:2015 IEC62321-7-2:2017,UV-Vis		<1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		<1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		<1000	P
		PBBs	P	IEC62321-6:2015,GC-MS		<1000	P
		PBDEs	P	IEC62321-6:2015,GC-MS		<1000	P
		DBP	-	IEC62321-8:2017,GC-MS	N.D.	<1000	P
		BBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DEHP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
		DIBP		IEC62321-8:2017,GC-MS	N.D.	<1000	P
15	150	Cd	P	IEC62321-5:2013, ICP-AES	-	<100	P
		Cr	P	IEC62321-7-1:2015		<1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		<1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		<1000	P
		PBBs	-	IEC62321-6:2015,GC-MS		<1000	P
		PBDEs		IEC62321-6:2015,GC-MS		<1000	P
		DBP		IEC62321-8:2017,GC-MS		<1000	P
		BBP		IEC62321-8:2017,GC-MS		<1000	P
		DEHP	-	IEC62321-8:2017,GC-MS		<1000	P
		DIBP		IEC62321-8:2017,GC-MS		<1000	P

SAMP LE NO.	COMPON ENTS	Item	Results of EDXRF (P/F/D)	Test Method (Reference)	Results of testing	Chemical testing limit (mg/kg)	Conclusio n (P/F)
16	Black plastic	Cd	P	IEC62321-5:2013, ICP-AES	-	<100	P
		Cr	P	IEC62321-7-1:2015 IEC62321-7-2:2017,UV-Vis		<1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		<1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		<1000	P
		PBBs	P	IEC62321-6:2015,GC-MS		<1000	P
		PBDEs	P	IEC62321-6:2015,GC-MS		<1000	P
		DBP	-	IEC62321-8:2017,GC-MS		<1000	P
		BBP		IEC62321-8:2017,GC-MS		<1000	P
		DEHP		IEC62321-8:2017,GC-MS		<1000	P
		DIBP		IEC62321-8:2017,GC-MS		<1000	P
17	Silver horn	Cd	P	IEC62321-5:2013, ICP-AES	-	<100	P
		Cr	P	IEC62321-7-1:2015 IEC62321-7-2:2017,UV-Vis		<1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		<1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		<1000	P
		PBBs	-	IEC62321-6:2015,GC-MS		<1000	P
		PBDEs		IEC62321-6:2015,GC-MS		<1000	P
		DBP		IEC62321-8:2017,GC-MS		<1000	P
		BBP		IEC62321-8:2017,GC-MS		<1000	P
		DEHP		IEC62321-8:2017,GC-MS		<1000	P
		DIBP		IEC62321-8:2017,GC-MS		<1000	P
18	Black sticker	Cd	P	IEC62321-5:2013, ICP-AES	-	<100	P
		Cr	P	IEC62321-7-1:2015 IEC62321-7-2:2017,UV-Vis		<1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		<1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		<1000	P
		PBBs	P	IEC62321-6:2015,GC-MS		<1000	P
		PBDEs	P	IEC62321-6:2015,GC-MS		<1000	P
		DBP	-	IEC62321-8:2017,GC-MS		<1000	P
		BBP		IEC62321-8:2017,GC-MS		<1000	P
		DEHP		IEC62321-8:2017,GC-MS		<1000	P
		DIBP		IEC62321-8:2017,GC-MS		<1000	P
19	4710V	Cd	P	IEC62321-5:2013, ICP-AES	-	<100	P
		Cr	P	IEC62321-7-1:2015		<1000	P
		Hg	P	IEC62321-4:2013,ICP-AES		<1000	P
		Pb	P	IEC62321-5:2013,ICP-AES		<1000	P
		PBBs	-	IEC62321-6:2015,GC-MS		<1000	P
		PBDEs		IEC62321-6:2015,GC-MS		<1000	P
		DBP		IEC62321-8:2017,GC-MS		<1000	P
		BBP		IEC62321-8:2017,GC-MS		<1000	P
		DEHP		IEC62321-8:2017,GC-MS		<1000	P
		DIBP		IEC62321-8:2017,GC-MS		<1000	P

SAMP LE NO.	COMPON ENTS	Item	Results of EDXRF (P/F/D)	Test Method (Reference)	Results of testing	Chemical testing limit (mg/kg)	Conclusio n (P/F)
20	Argentina	Cd	P	IEC62321-5:2013, ICP-AES	-	<100	P
		Cr	P	IEC62321-7-1:2015 IEC62321-7-2:2017, UV-Vis		<1000	P
		Hg	P	IEC62321-4:2013, ICP-AES		<1000	P
		Pb	P	IEC62321-5:2013, ICP-AES		<1000	P
		PBBs	-	IEC62321-6:2015, GC-MS		<1000	P
		PBDEs		IEC62321-6:2015, GC-MS		<1000	P
		DBP		IEC62321-8:2017, GC-MS		<1000	P
		BBP		IEC62321-8:2017, GC-MS		<1000	P
		DEHP		IEC62321-8:2017, GC-MS		<1000	P
		DIBP		IEC62321-8:2017, GC-MS		<1000	P

- Note:**
1. mg/kg= ppm
 2. N.D. = Not Detected (<MDL)
 3. MDL = Method Detected Limit
 4. -- = No Testing
 5. N.A.==It doesn't have to be tested

Test Process:
1. Test for Cd/Pb/Hg

2. Test for Chromium (VI) Content

3. Test for PBBs/PBDES/DIBP/DBP/BBP/DEHP Content


Sample photo:

Photo 1 General appearance of the EUT

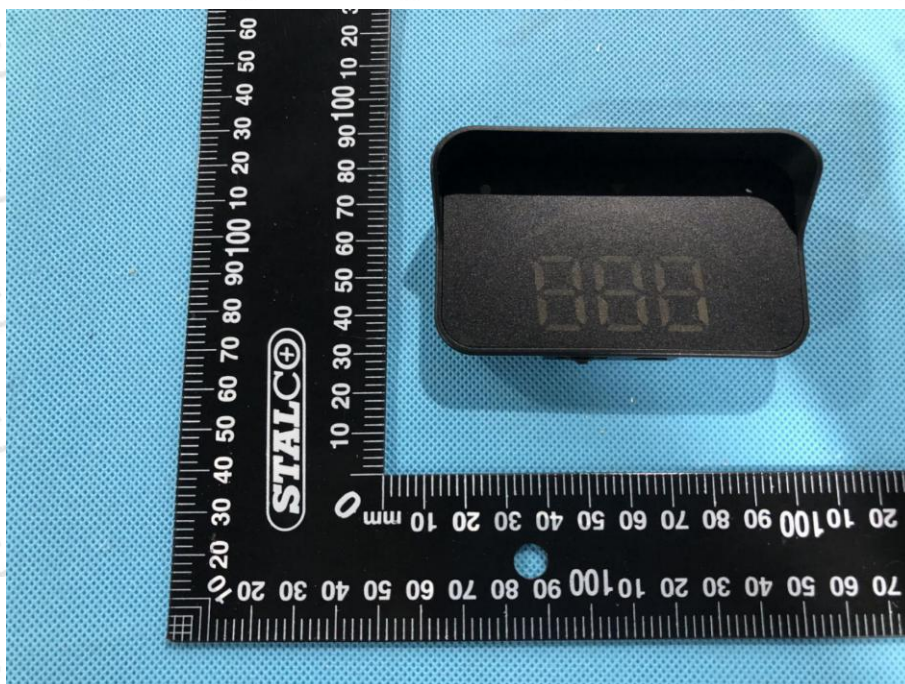


Photo 2 General appearance of the EUT

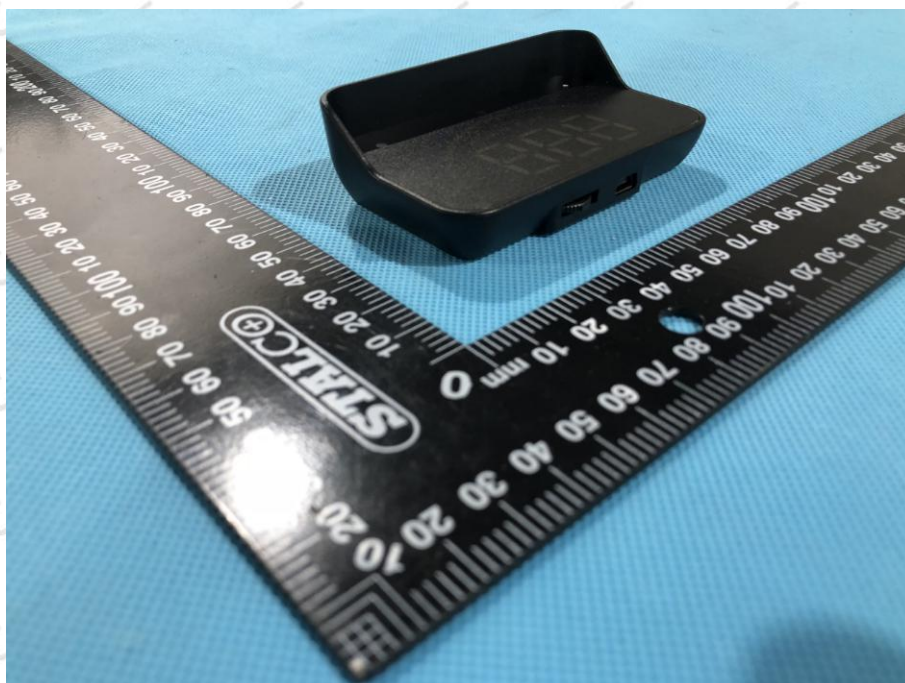


Photo 3 General appearance of the EUT



Photo 4 General appearance of the EUT

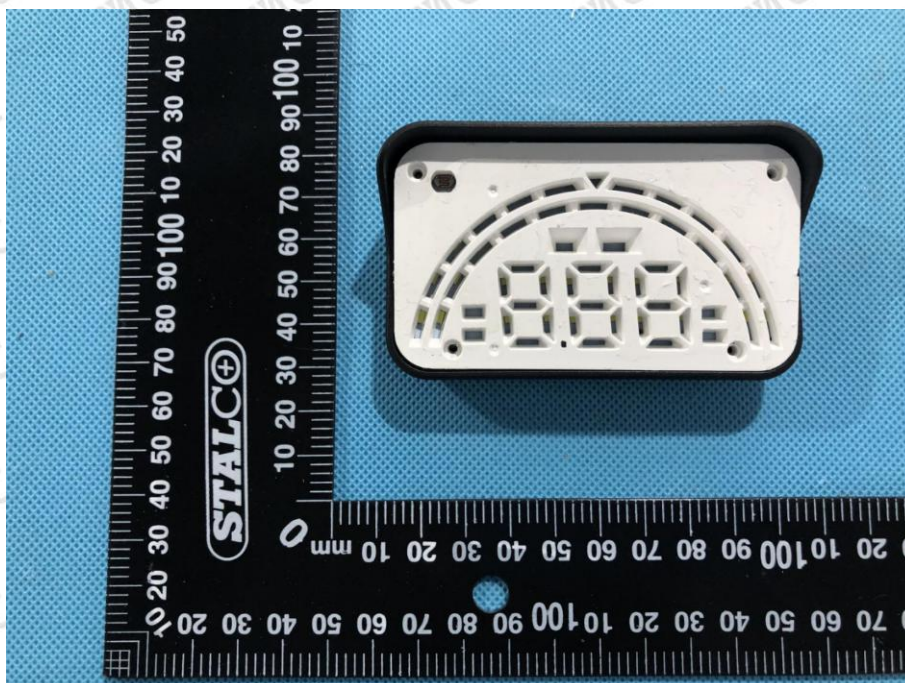


Photo 5 General appearance of the EUT

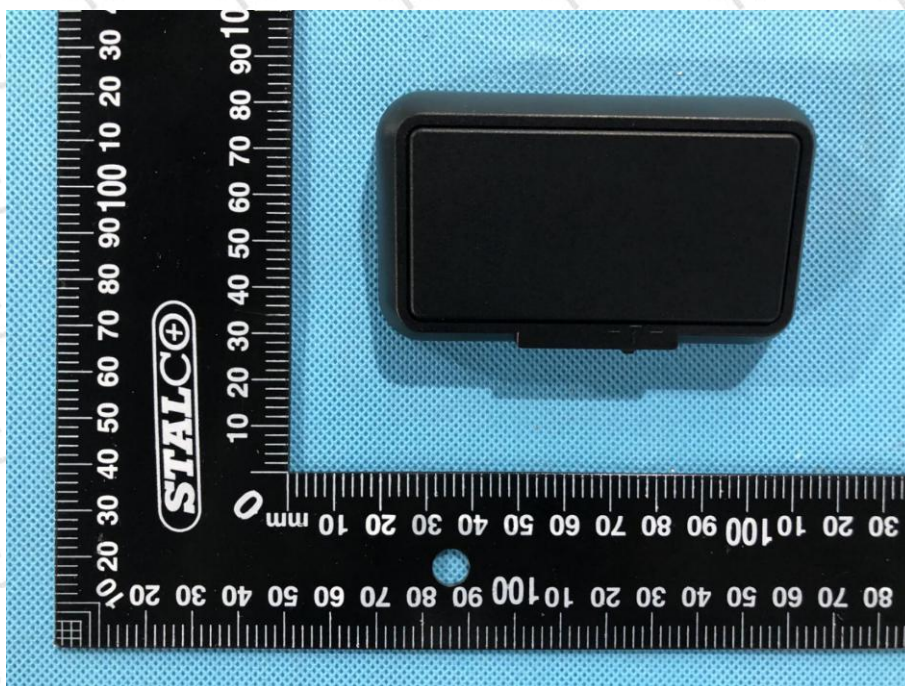


Photo 6 General appearance of the EUT

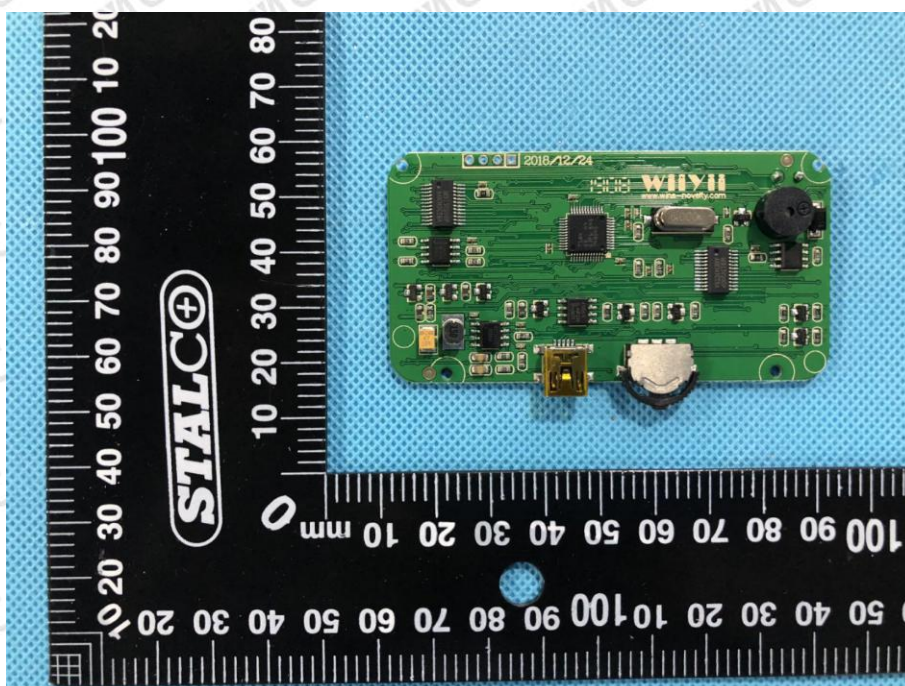
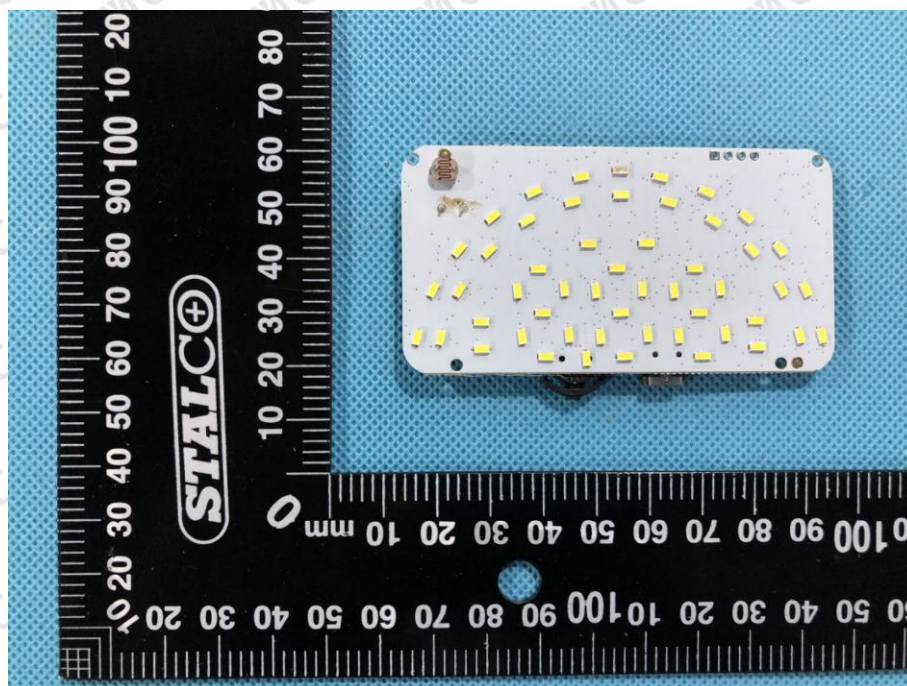


Photo 7 General appearance of the EUT



END OF REPORT