Attestation of Compliance

Reference No.	:	**LCS200807053AR**
Applicant	:	**ShenZhen Anlud Science and Technology Development Co., Ltd**
Address	:	**Building B, No.8, ShangXue science and technology Industrial City East Zone, Bantian, Longgang District, Shenzhen city, GuangDong Province, P.R.of China.**
Sample Name	:	**USB VIDEO CAMERA**
Trade Mark	:	**ANLUD, NULAXY**
Style/ Item No.	:	**W6, W7, W8, W9, W10, W11, W12, W13, W14, W15, W16, W17, W18, C900, C901, C902, C903, C904, C905, C906, C907, C908, C909, C910**
Tested according to	:	**IEC 62321-3-1:2013 IEC 62321-5:2013 IEC 62321-4:2013+AMD1:2017 CSV IEC 62321-6:2015 IEC 62321-7-1:2015 IEC 62321-7-2:2017 IEC 62321-8:2017**

The submitted products have been tested by us with the listed standards.

This Attestation of Compliance is issued according to the council Directive 2011/65/EU and its amendment directives (EU) 2015/863. It confirms that the listed product complies with all essential requirements of the ROHS Directive and applies only to the sample and its technical documentation submitted to Shenzhen LCS Compliance Testing Laboratory Ltd. for testing.

After preparation of the necessary technical documentation as well as the EC conformity declaration the required CE marking can be affixed on the product.Other relevant Directives have to be observed.

RoHS

Date of issue:August 24, 2020

LCS TESTING LABORATORY
Manager
APPROVED

Shenzhen LCS Compliance Testing Laboratory Ltd.
F&G, 23/F.,Technology Building, Quanzhi Science and Technology Innovation Park, Industrial Building, Maozhoushan Industrial Park, Houting, Shajing Street , Bao'an District, Shenzhen, Guangdong, China
Tel: (86)0755-23353209 Http://www.lcs-cert.com Email: webmaster@lcs-cert.com

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国际互认
检测
TESTING
CNAS L4595

TEST REPORT

Report No.: LCS200807053AR Date: 2020.08.24 Page 1 of 14

Applicant	:	**ShenZhen Anlud Science and Technology Development Co., Ltd**
Address	:	**Building B, No.8, ShangXue science and technology Industrial City East Zone, Bantian, Longgang District, Shenzhen city, GuangDong Province, P.R.of China.**

Report on the submitted samples said to be:

Sample Name	:	**USB VIDEO CAMERA**
Trade Mark	:	**ANLUD, NULAXY**
Style No.	:	**W6, W7, W8, W9, W10, W11, W12, W13, W14, W15, W16, W17, W18, C900, C901, C902, C903, C904, C905, C906, C907, C908, C909, C910**
Testing Period	:	**August 17, 2020 ~ August 24, 2020**
Results	:	**Please refer to next page(s).**

TEST REQUEST	CONCLUSION
According to the customer's request, based on the performed tests on submitted sample, the result of Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), PBBs, PBDEs, Dibuyl Phthalate(DBP), Benzylbutyl Phthalate(BBP), Bis(2-ethylhexyl) Phthalate(DEHP), Diispbutyl phthalate(DIBP) content comply with the limit requirement as set of RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.	**Pass**

Signed for and on behalf of LCS

LCS TESTING LABORATORY
APPROVED

Daniel

TEST REPORT

Results:

A.EU RoHS Directive 2011/65/EU and its amendment directives on XRF

Test method: With reference to IEC 62321-3-1:2013, Screening by X-ray Fluorescence Spectroscopy (XRF)

Seq. No.	Tested Part(s)	Results						Date of sample submission/resubmission
		Cd	Pb	Hg	Cr▼	Br▼		
						PBBs	PBDEs	
1	Black plastic shell	BL	BL	BL	BL	BL	BL	2020-08-17
2	Black plastic shell	BL	BL	BL	BL	BL	BL	2020-08-17
3	Transparent plastic sheet	BL	BL	BL	BL	BL	BL	2020-08-17
4	Transparent plastic film	BL	BL	BL	BL	BL	BL	2020-08-17
5	Black metal screws	BL	BL	BL	BL	/	/	2020-08-17
6	Golden metal nut	BL	BL	BL	BL	/	/	2020-08-17
7	Black metal screws	BL	BL	BL	BL	/	/	2020-08-17
8	Black soft plastic with viscose	BL	BL	BL	BL	BL	BL	2020-08-17
9	Silver metal block	BL	BL	BL	BL	/	/	2020-08-17
10	White fixing glue	BL	BL	BL	BL	BL	BL	2020-08-17
11	White plastic shell	BL	BL	BL	BL	BL	BL	2020-08-17
12	Silver metal needle	BL	BL	BL	BL	/	/	2020-08-17
13	Red plastic lamp holder	BL	BL	BL	BL	BL	BL	2020-08-17
14	Silver metal pins	BL	BL	BL	BL	/	/	2020-08-17
15	White plastic sleeve	BL	BL	BL	BL	BL	BL	2020-08-17
16	Green plastic lamp holder	BL	BL	BL	BL	BL	BL	2020-08-17
17	Black metal screws	BL	BL	BL	BL	/	/	2020-08-17
18	Yellow chip capacitor	BL	BL	BL	BL	BL	BL	2020-08-17
19	Black body	BL	BL	BL	BL	BL	BL	2020-08-17
20	Black PCB board	BL	BL	BL	BL	X	X	2020-08-17
21	Black plastic shell	BL	BL	BL	BL	BL	BL	2020-08-17
22	Transparent glass	BL	BL	BL	BL	BL	BL	2020-08-17
23	Black plastic sleeve	BL	BL	BL	BL	BL	BL	2020-08-17
24	Silver metal shell	BL	BL	BL	BL	/	/	2020-08-17
25	Silver metal sheet	BL	BL	BL	BL	/	/	2020-08-17

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TEST REPORT

Seq. No.	Tested Part(s)	Results						Date of sample submission/resubmission
		Cd	Pb	Hg	Cr▼	Br▼		
						PBBs	PBDEs	
26	Silver metal ring	BL	BL	BL	BL	/	/	2020-08-17
27	Green PCB board	BL	BL	BL	BL	X	X	2020-08-17
28	Black plastic leather	BL	BL	BL	BL	BL	BL	2020-08-17
29	Red plastic leather	BL	BL	BL	BL	BL	BL	2020-08-17
30	Silver tinsel	BL	BL	BL	BL	/	/	2020-08-17
31	White plastic shell	BL	BL	BL	BL	BL	BL	2020-08-17
32	Silver metal pins	BL	BL	BL	BL	/	/	2020-08-17
33	Black plastic leather	BL	BL	BL	BL	BL	BL	2020-08-17
34	Green plastic leather	BL	BL	BL	BL	BL	BL	2020-08-17
35	Red plastic leather	BL	BL	BL	BL	BL	BL	2020-08-17
36	Black plastic leather	BL	BL	BL	BL	BL	BL	2020-08-17
37	White plastic leather	BL	BL	BL	BL	BL	BL	2020-08-17
38	Copper wire	BL	BL	BL	BL	/	/	2020-08-17
39	Black plastic leather	BL	BL	BL	BL	BL	BL	2020-08-17
40	Silver metal shell	BL	BL	BL	BL	/	/	2020-08-17
41	White plastic shell	BL	BL	BL	BL	BL	BL	2020-08-17
42	Silver metal pins	BL	BL	BL	BL	/	/	2020-08-17

****

TEST REPORT

Note:

(1) Results were obtained by XRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) are recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013.

Element	Unit	Non-metal	Metal	Composite Material
Cd	mg/kg	BL≤70-3σ<X <130+3σ≤OL	BL≤70-3σ<X <130+3σ≤OL	BL≤50-3σ<X <150+3σ≤OL
Pb	mg/kg	BL≤700-3σ<X <1300+3σ≤OL	BL≤700-3σ<X <1300+3σ≤OL	BL≤500-3σ<X <1500+3σ≤OL
Hg	mg/kg	BL≤700-3σ<X <1300+3σ≤OL	BL≤700-3σ<X <1300+3σ≤OL	BL≤500-3σ<X <1500+3σ≤OL
Cr	mg/kg	BL≤700-3σ<X	BL≤700-3σ<X	BL≤500-3σ<X
Br	mg/kg	BL≤300-3σ<X	--	BL≤250-3σ<X

Note:

BL = Below Limit
OL = Over Limit
X = Inconclusive

(2) The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.

(3) The maximum permissible limit is quoted from the document 2015/863/EC amending RoHS directive 2011/65/EU:

(4) ▼=For restricted substances PBBs and PBDEs, the results show the total Br content; The restricted substance was Cr(VI), and the results showed the total Cr content

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TEST REPORT

RoHS Restricted Substances	Maximum Concentration Value (mg/kg) (by weight in homogenous materials)
Cadmium (Cd)	100
Lead (Pb)	1000
Mercury (Hg)	1000
Hexavalent Chromium (Cr(VI))	1000
Polybrominated biphenyls (PBBs)	1000
Polybrominated diphenylethers (PBDEs)	1000
Dibuyl Phthalate(DBP)	1000
Benzylbutyl Phthalate(BBP)	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	1000
Diispbutyl phthalate(DIBP)	1000

Disclaimers:

This XRF Screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

The result shown in this XRF screening report will differ 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.

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TEST REPORT

B. EU RoHS Directive 2011/65/EU and its amendment Directives 2015/863/EU on Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs, PBDEs, DBP, BBP, DEHP, DIBP content.

Test method:

Lead(Pb) & Cadmium(Cd) Content:
With reference to IEC 62321-5:2013, by acid digestion and analysis was performed by inductively coupled plasma atomic emission spectrometer (ICP-OES)

Mercury(Hg) Content:
With reference to IEC 62321-4:2013+AMD1:2017 CSV, by acid digestion and analysis was performed by inductively coupled plasma atomic emission spectrometer (ICP-OES)

Hexavalent Chromium(Cr(VI)) Content:
With reference to IEC 62321-7-1:2015 or IEC 62321-7-2:2017, by alkaline digestion and analysis was performed by UV-visible spectrophotometer (UV-Vis)

PBBs & PBDEs Content:
With reference to IEC 62321-6:2015, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

BBP DBP DEHP & DIBP Content:

With reference to IEC 62321-8:2017, by solvent extraction and analysis was performed by gas chromatographic-mass spectrometer (GC-MS)

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TEST REPORT

Note:

- MDL = Method Detection Limit
- /= Not apply
- LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is 0.10 μg/cm^2
- ▼ = a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13ug/cm^2. The sample coating is considered to contain Cr(VI)
  b. The sample is negative for Cr(VI) if Cr(VI) is N.D.(concentration less than 0.10ug/cm^2). The sample coating is considered a non- Cr(VI) based coating
  c. The result between 0.10μg/cm^2 and 0.13μg/cm^2 is considered to be inconclusive, unavoidable coating variations may influence the determination
- Information on storage conditions and production date of the tested samples is unavailable and thus Cr(VI) results represent status of the sample at the time of testing
- mg/kg = ppm=parts per million
- N.D.=Not Detected(<MDL or LOQ)

#1 According to RoHS directive 2011/65/EU and its amendments, Lead is exempted in glass of cathode ray tubes, electronic components and fluorescent tubes.

#2 According to RoHS directive 2011/65/EU and its amendments, Lead is exempted in electronic ceramic parts (e.g. piezoelectronic devices).

#3 According to RoHS directive 2011/65/EU and its amendments, Lead is exempted as an alloying element in Copper containing up to 4% (40000ppm) by weight.

#4 According to RoHS directive 2011/65/EU and its amendments, Lead is exempted in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead).

#5 According to the statement provided by the customer, according to RoHS directive 2011/65/EU and its amendments, Lead is exempted as an alloying element in Aluminum containing up to 0.4% (4000ppm) by weight.

#6 According to the statement provided by the customer, according to RoHS directive 2011/65/EU and its amendments, Cadmium and its compounds in electrical contact is exempted.

#7 According to the statement provided by the customer, according to RoHS directive 2011/65/EU and its Amendments，Lead is exempted in steel for machining purposes and in galvanised steel containing up to 0.35% (3500ppm) by weight.

- Flow chart appendix is included.
- Photo appendix is included.

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TEST REPORT

1) The test results of DBP、BBP、DEHP & DIBP

Item	Unit	MDL	Results	Limit
			1+2+3+4+8+10	
Dibuyl Phthalate(DBP)	mg/kg	600	N.D.	1000
Benzylbutyl Phthalate(BBP)	mg/kg	600	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	600	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	600	N.D.	1000

Item	Unit	MDL	Results	Limit
			11+13+15+16+18+19	
Dibuyl Phthalate(DBP)	mg/kg	600	N.D.	1000
Benzylbutyl Phthalate(BBP)	mg/kg	600	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	600	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	600	N.D.	1000

Item	Unit	MDL	Results	Limit
			20+21+22+23+27+28	
Dibuyl Phthalate(DBP)	mg/kg	600	N.D.	1000
Benzylbutyl Phthalate(BBP)	mg/kg	600	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	600	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	600	N.D.	1000

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TEST REPORT

Item	Unit	MDL	Results	Limit
			29+31+39+41	
Dibuyl Phthalate(DBP)	mg/kg	600	N.D.	1000
Benzylbutyl Phthalate(BBP)	mg/kg	600	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	600	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	600	N.D.	1000

Item	Unit	MDL	Results					Limit
			33	34	35	36	37	
Dibuyl Phthalate(DBP)	mg/kg	100	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Benzylbutyl Phthalate(BBP)	mg/kg	100	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	100	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Diispbutyl phthalate(DIBP)	mg/kg	100	N.D.	N.D.	N.D.	N.D.	N.D.	1000

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TEST REPORT

2) The test results of PBBs & PBDEs

Item	Unit	MDL	Results		Limit
			(20)	(27)	
Polybrominated Biphenyls (PBBs)					
Monobromobiphenyl	mg/kg	5	N.D.	N.D.	
Dibromobiphenyl	mg/kg	5	N.D.	N.D.	
Tribromobiphenyl	mg/kg	5	N.D.	N.D.	
Tetrabromobiphenyl	mg/kg	5	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	5	N.D.	N.D.	
Hexabromobiphenyl	mg/kg	5	N.D.	N.D.	
Heptabromobiphenyl	mg/kg	5	N.D.	N.D.	
Octabromobiphenyl	mg/kg	5	N.D.	N.D.	
Nonabromodiphenyl	mg/kg	5	N.D.	N.D.	
Decabromodiphenyl	mg/kg	5	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	1000
Polybrominated Diphenylethers (PBDEs)(Mon-Deca)					
Monobromodiphenyl ether	mg/kg	5	N.D.	N.D.	
Dibromodiphenyl ether	mg/kg	5	N.D.	N.D.	
Tribromodiphenyl ether	mg/kg	5	N.D.	N.D.	
Tetrabromodiphenyl ether	mg/kg	5	N.D.	N.D.	
Pentabromodiphenyl ether	mg/kg	5	N.D.	N.D.	
Hexabromodiphenyl ether	mg/kg	5	N.D.	N.D.	
Heptabromodiphenyl ether	mg/kg	5	N.D.	N.D.	
Octabromodiphenyl ether	mg/kg	5	N.D.	N.D.	
Nonabromodiphenyl ether	mg/kg	5	N.D.	N.D.	
Decabromodiphenyl ether	mg/kg	5	N.D.	N.D.	
Total content	mg/kg	/	N.D.	N.D.	1000

Remark:

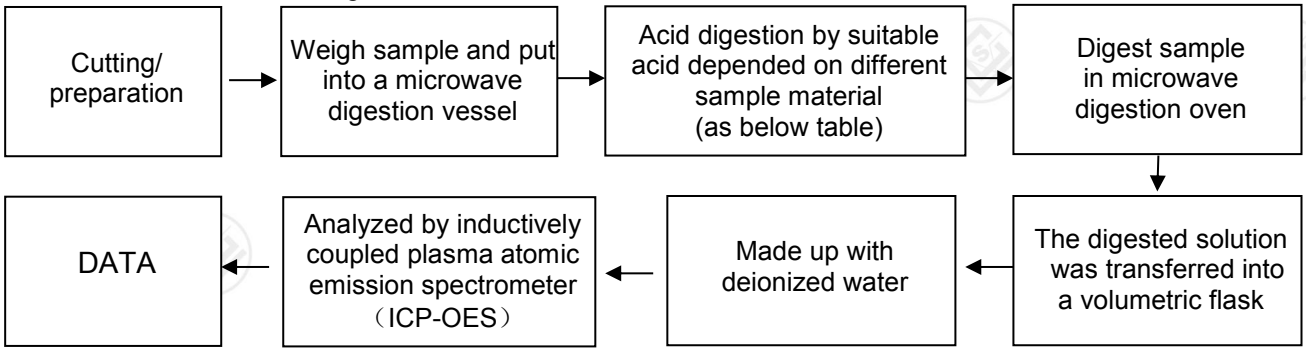
- mg/kg = ppm
- N.D. = Not detected
- MDL=Method detected limited
- Flow chart appendix is included
- Photo appendix is included.

****

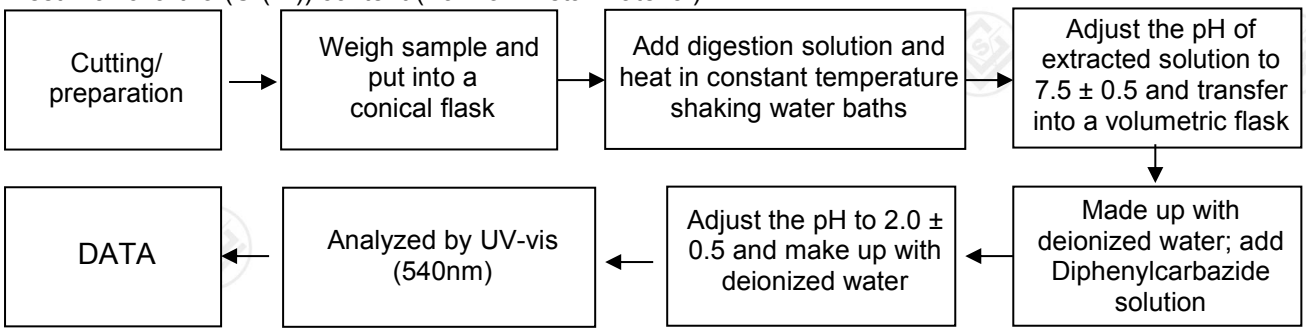
TEST REPORT

Appendix

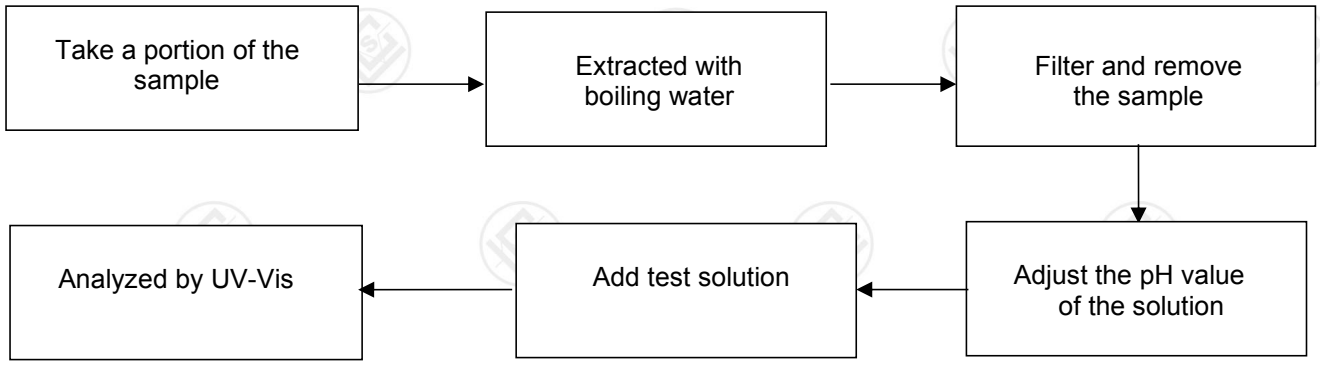
1. Test Flow chart for Cd/Pb /Hg content



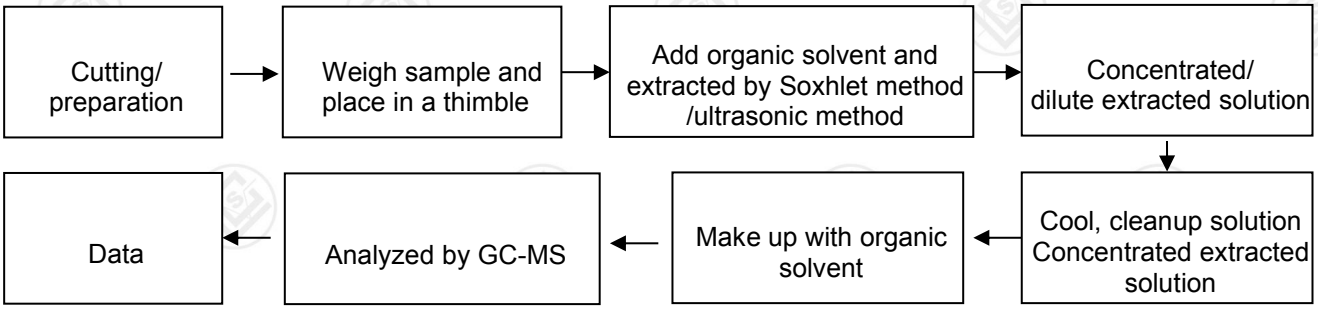
2. Test Flowchart for(Cr(VI)) content (For non-metal material)



Test Flowchart for (Cr(VI)) content (For metal material)



3. Test Flow chart for PBBs & PBDEs & DBP & BBP & DEHP & DIBP content



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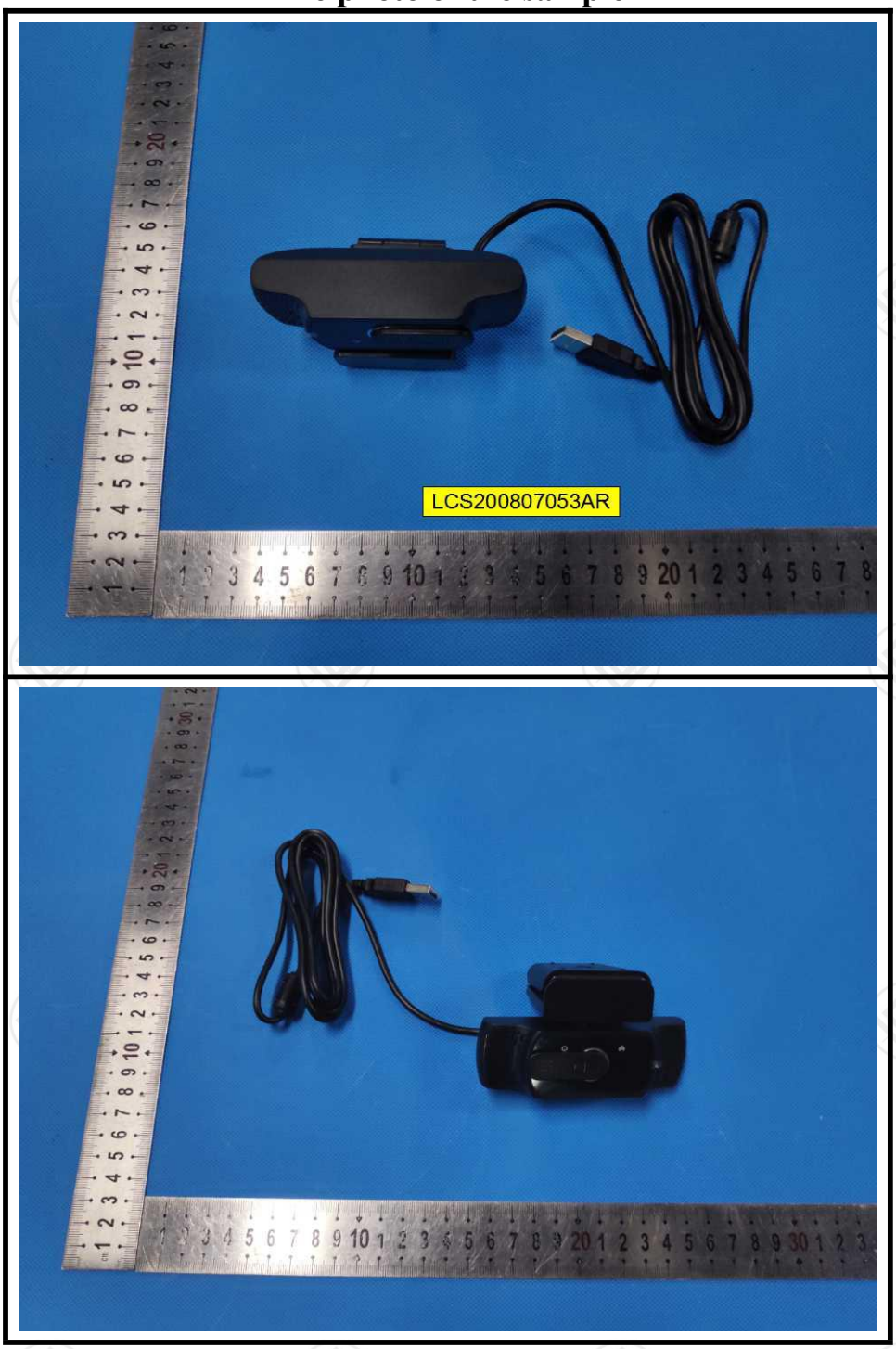
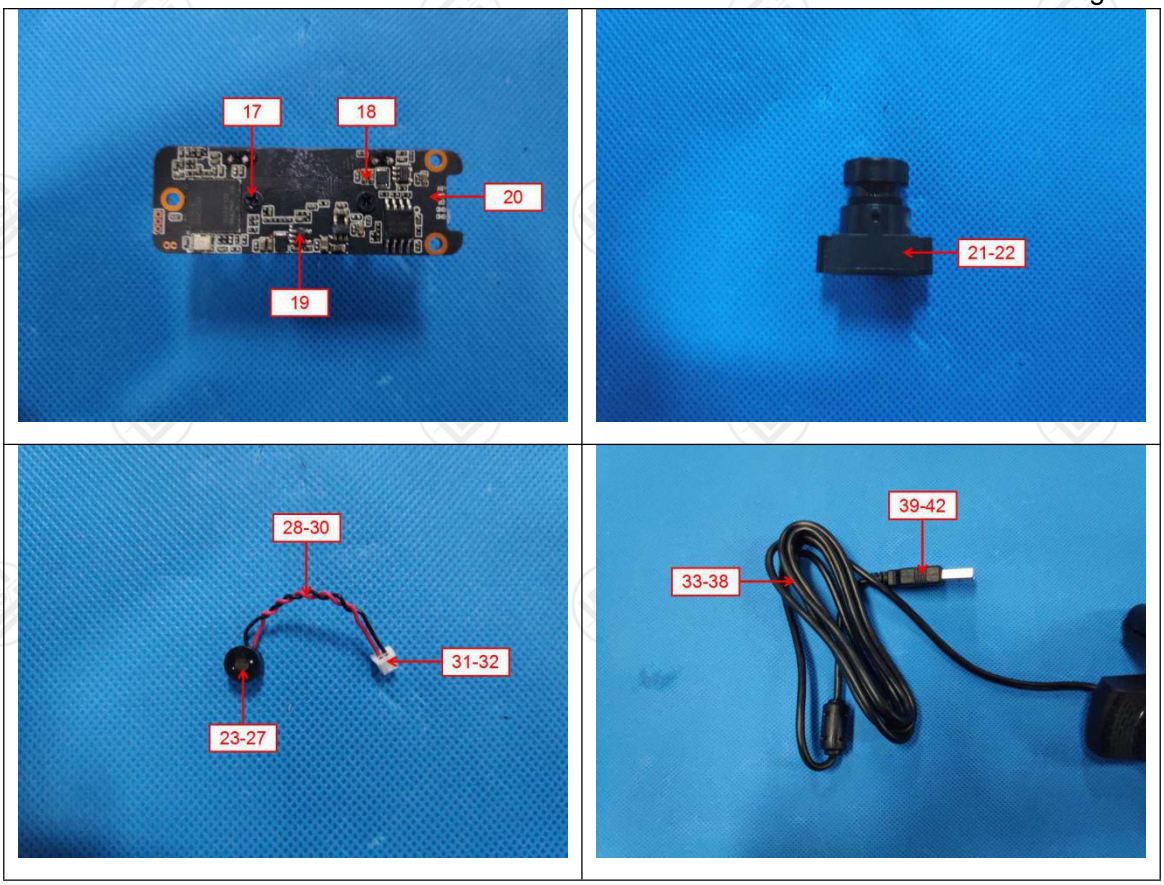
TEST REPORT

The photo of the sample



TEST REPORT

TEST REPORT



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

Statement:

1. The test report is considered invalidated without approval signature, special seal on the perforation.
2. The result(s) shown in this report refer only to the sample(s) tested.
3. Without written approval of LCS, this report can't be reproduced except in full.
4. The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which LCS hasn't verified.
5. In case of any discrepancy between the English version and Chinese version of the testing reports(if generated), the Chinese version shall prevail.

FCC Part 15, Subpart B, Class B(sDoC)

TEST REPORT

ShenZhen Anlud Science and Technology Development Co., Ltd

USB VIDEO CAMERA

Test Model: W6

Additional Model No.: Please Refer To Page 7

Prepared for	:	ShenZhen Anlud Science and Technology Development Co., Ltd
Address	:	Building B, No.8, ShangXue science and technology Industrial City East Zone,Bantian, Longgang District, Shenzhen city, GuangDong Province, P.R.of China.
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	:	Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China
Tel	:	(+86)755-82591330
Fax	:	(+86)755-82591332
Web	:	www.LCS-cert.com
Mail	:	webmaster@LCS-cert.com
Date of receipt of test sample	:	Aug 14, 2020
Number of tested samples	:	1
Serial number	:	Prototype
Date of Test	:	Aug 14, 2020 ~ Aug 17, 2020
Date of Report	:	Aug 17, 2020

FCC TEST REPORT
FCC Part 15, Subpart B, Class B(sDoC)

Report Reference No.	:	**LCS200807052AE**
Date Of Issue	:	Aug 17, 2020
Testing Laboratory Name	:	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address	:	Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China
Testing Location/ Procedure ...	:	Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □
Applicant's Name	:	**ShenZhen Anlud Science and Technology Development Co., Ltd**
Address	:	Building B, No.8, ShangXue science and technology Industrial City East Zone,Bantian, Longgang District, Shenzhen city, GuangDong Province, P.R.of China.
Test Specification		
Standard.....	:	FCC Part 15, Subpart B, Class B(sDoC), ANSI C63.4 -2014
Test Report Form No.	:	LCSEMC-1.0
TRF Originator.....	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF	:	Dated 2011-03

Test Item Description.....	:	**USB VIDEO CAMERA**
Trade Mark.....	:	ANLUD, NULAXY
Test Model	:	W6
Ratings	:	By USB bus power
Result	:	**Positive**

Compiled by:	**Supervised by:**	**Approved by:**
Emma Wang	Jason Deng	
Emma Wang/ File administrators	Jason Deng/ Technique principal	Gavin Liang/ Manager

FCC -- TEST REPORT

Test Report No. : LCS200807052AE	Aug 17, 2020 Date of issue

Test Model.....	:	W6
EUT.....	:	USB VIDEO CAMERA
Applicant.....	**:**	**ShenZhen Anlud Science and Technology Development Co., Ltd**
Address.....	:	Building B, No.8, ShangXue science and technology Industrial City East Zone,Bantian, Longgang District, Shenzhen city, GuangDong Province, P.R.of China.
Telephone.....	:	/
Fax.....	:	/
Manufacturer.....	**:**	**ShenZhen Anlud Science and Technology Development Co., Ltd**
Address.....	:	Building B, No.8, ShangXue science and technology Industrial City East Zone,Bantian, Longgang District, Shenzhen city, GuangDong Province, P.R.of China.
Telephone.....	:	/
Fax.....	:	/
Factory.....	**:**	**ShenZhen Anlud Science and Technology Development Co., Ltd**
Address.....	:	Building B, No.8, ShangXue science and technology Industrial City East Zone,Bantian, Longgang District, Shenzhen city, GuangDong Province, P.R.of China.
Telephone.....	:	/
Fax.....	:	/

Test Result according to the standards on page 6: **Positive**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revision History

Revision	Issue Date	Revisions	Revised By
000	Aug 17, 2020	Initial Issue	Gavin Liang

TABLE OF CONTENTS

1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION			
Description of Test Item	**Standard**	**Limits**	**Results**
Conducted disturbance at mains terminals	FCC Part 15, Subpart B, Class B(sDoC), ANSI C63.4 -2014	Class B	N/A
Radiated disturbance	FCC Part 15, Subpart B, Class B(sDoC), ANSI C63.4 -2014	Class B	PASS
N/A is an abbreviation for Not Applicable.			

Test mode:		
Mode 1	Working	Record

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT : USB VIDEO CAMERA

Trade Mark : ANLUD, NULAXY

Test Model : W6

Model Lists : W7, W8 W9, W10, W11, W12, W13, W14, W15, W16, W17, W18, C900, C901, C902, C903, C904, C905, C906, C907, C908, C909, C910

Model declaration : PCB board, structure and internal of these model(s) are t he same, So no additional models were tested.

Power Supply : By USB bus power

EUT Clock Frequency : ≤108MHz

2.2. Support Equipment List

Name	Manufacturers	M/N	S/N
PC	Dell	OptiPlex 9020 MT	BCM943228HM4L

2.3. Description of Test Facility

Site Description

EMC Lab. : NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

2.4. Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

2.5. Measurement Uncertainty

Test	Parameters	Expanded Uncertainty (U_{lab})	Expanded Uncertainty (U_{cispr})
Conducted Emission	Level accuracy (9kHz to 150kHz) (150kHz to 30MHz)	± 2.63 dB ± 2.35 dB	± 3.8 dB ± 3.4 dB
Radiated Emission	Level accuracy (30MHz to 1000MHz)	± 3.48 dB	± 5.3 dB
Radiated Emission	Level accuracy (above 1000MHz)	± 3.90 dB	± 5.2 dB

(1) Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus.

(2) The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

3. TEST RESULTS

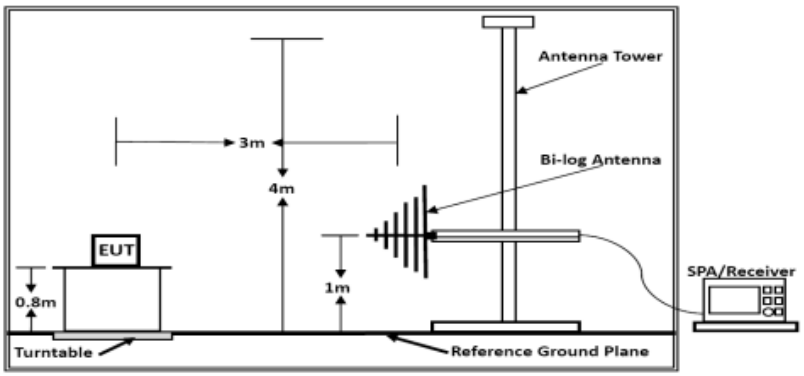
3.1.Radiated Emission Measurement

3.1.1. Test Equipment

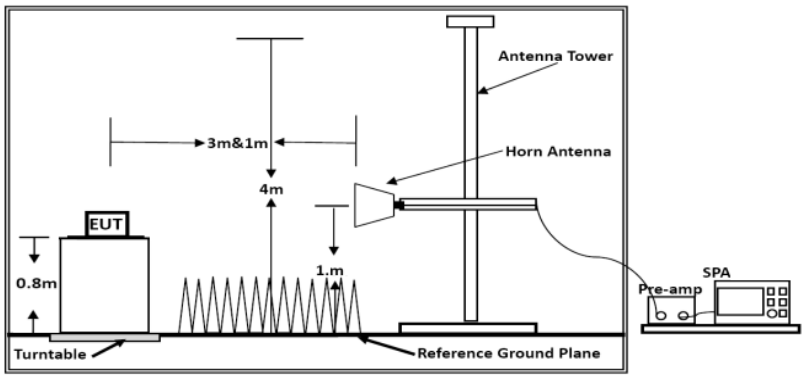
The following test equipments are used during the radiated emission measurement:

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Software	EZ	EZ-EMC	/	N/A
2	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2020-06-11
3	Positioning Controller	MF	MF-7082	/	2020-06-11
4	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2020-07-24
5	Horn Antenna	SCHWARZBECK	BBHA 9120D	9120D-1925	2020-06-30
6	EMI Test Receiver	R&S	ESR 7	101181	2020-06-11
7	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2019-11-14
8	Broadband Preamplifier	/	BP-01M18G	P190501	2020-06-30
9	RF Cable-R03m	Jye Bao	RG142	CB021	2020-06-11
10	RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	2020-06-11

3.1.2. Block Diagram of Test Setup



Below 1GHz



Above 1GHz

3.1.3. Radiated Emission Limit (Class B)

Limits for Radiated Disturbance Below 1GHz

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
30 ~ 88	3	100	40
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46
960 ~ 1000	3	500	54
Remark: (1) Emission level (dB)μV = 20 log Emission level μV/m (2) The smaller limit shall apply at the cross point between two frequency bands. (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.			

Limits for Radiated Emission Above 1GHz			
Frequency (MHz)	Distance (Meters)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)
Above 1000	3	74	54
***Note: The lower limit applies at the transition frequency.			

3.1.4. EUT Configuration on Measurement

The following equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

3.1.5. Operating Condition of EUT

3.5.1.Setup the EUT as shown in Section 3.1.2.
3.5.2.Let the EUT work in test Mode 1 and measure it.

3.1.6. Test Procedure

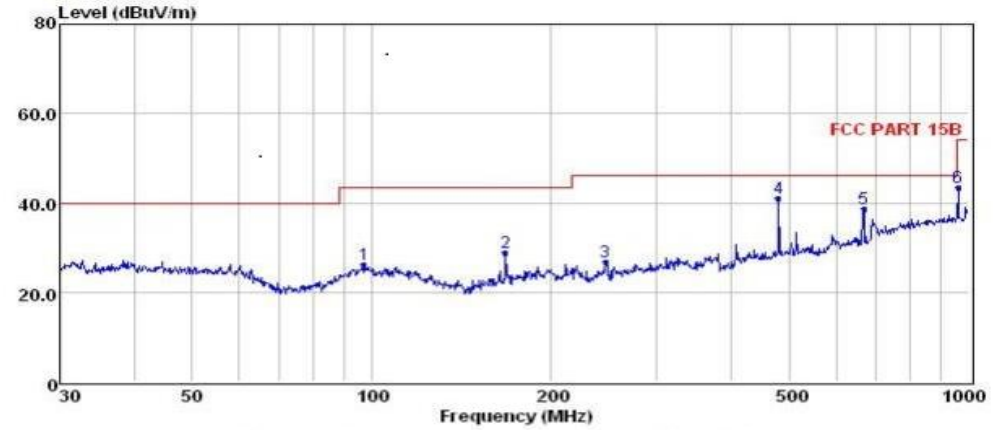
EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated by-log antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2009 on radiated emission measurement.

The bandwidth of the Receiver is set at RBW/VNW 120KHz/300KHz.
The frequency range from 30MHz to 1000MHz is investigated.
The bandwidth of the Receiver is set at RBW/VNW 1MHz/3MHz.
The frequency range from 1000MHz to 6000MHz is investigated.

3.1.7. Test Results

PASS.
The test result please refer to the next page.

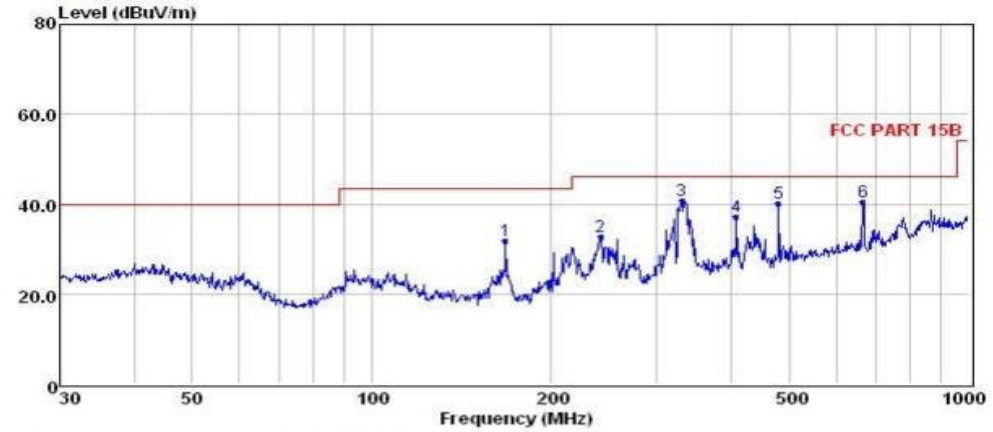
Test Model	W6	Test Mode	Mode 1
Environmental Conditions	22.1℃, 53.2% RH	Detector Function	Quasi-peak
Pol	Vertical	Distance	3m
Test Engineer	Daiwei Dai	Test Voltage	DC



	Freq	Reading	CabLos	Antfac	Measured	Limit	Over	Remark
	MHz	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	97.11	12.53	0.61	12.98	26.12	43.50	-17.38	QP
2	167.82	19.24	0.77	8.90	28.91	43.50	-14.59	QP
3	246.81	13.75	0.97	12.08	26.80	46.00	-19.20	QP
4	480.53	23.68	1.31	16.08	41.07	46.00	-4.93	QP
5	668.14	18.38	1.71	18.70	38.79	46.00	-7.21	QP
6	962.16	19.92	2.01	21.49	43.42	54.00	-10.58	QP

Note: 1. All readings are Quasi-peak values.
2. Measured= Reading + Antenna Factor + Cable Loss
3. The emission that are 20db below the official limit are not reported

Test Model	W6	Test Mode	Mode 1
Environmental Conditions	22.1℃, 53.2% RH	Detector Function	Quasi-peak
Pol	Horizontal	Distance	3m
Test Engineer	Daiwei Dai	Test Voltage	DC

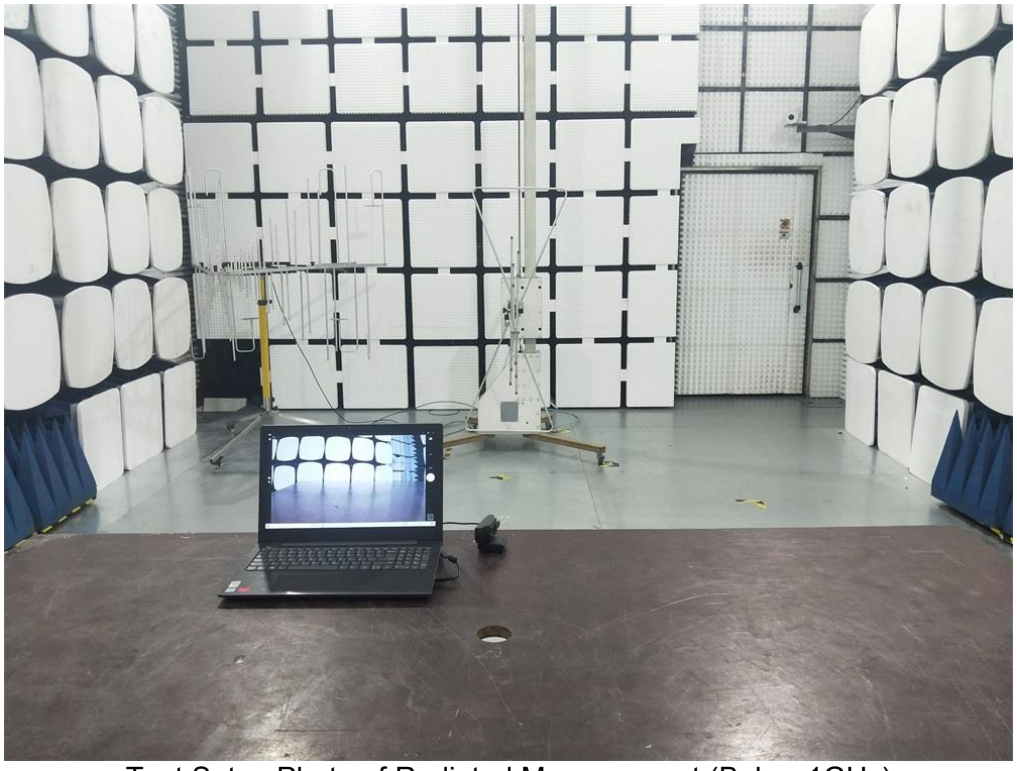


	Freq	Reading	CabLos	Antfac	Measured	Limit	Over	Remark
	MHz	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	167.82	22.03	0.77	8.90	31.70	43.50	-11.80	QP
2	241.68	19.76	1.01	12.09	32.86	46.00	-13.14	QP
3	331.35	25.66	1.17	13.78	40.61	46.00	-5.39	QP
4	408.95	20.60	1.28	15.24	37.12	46.00	-8.88	QP
5	480.53	22.73	1.31	16.08	40.12	46.00	-5.88	QP
6	665.80	20.19	1.55	18.69	40.43	46.00	-5.57	QP

Note: 1. All readings are Quasi-peak values.
2. Measured= Reading + Antenna Factor + Cable Loss
3. The emission that are 20db below the official limit are not reported

Note: Pre-Scan all mode, Thus record worse case mode result in this report.

4. PHOTOGRAPHS OF TEST SETUP



Test Setup Photo of Radiated Measurement (Below 1GHz)

5. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Fig. 1

Fig. 2

Fig. 3

Fig. 4

Fig. 5

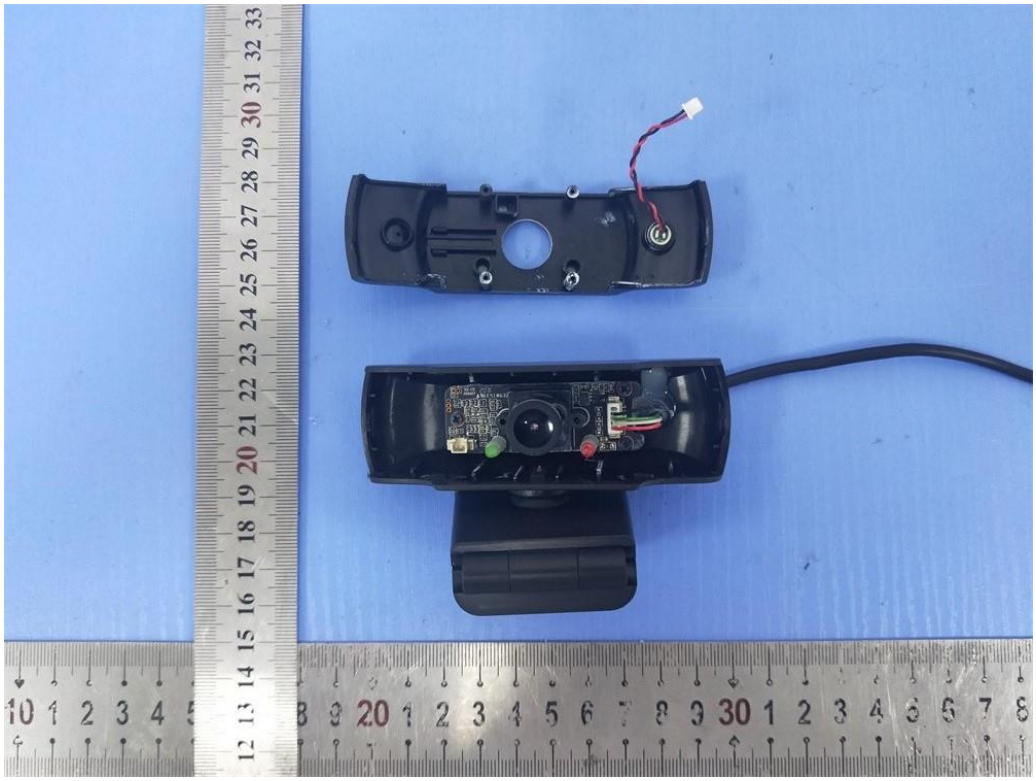


Fig. 6

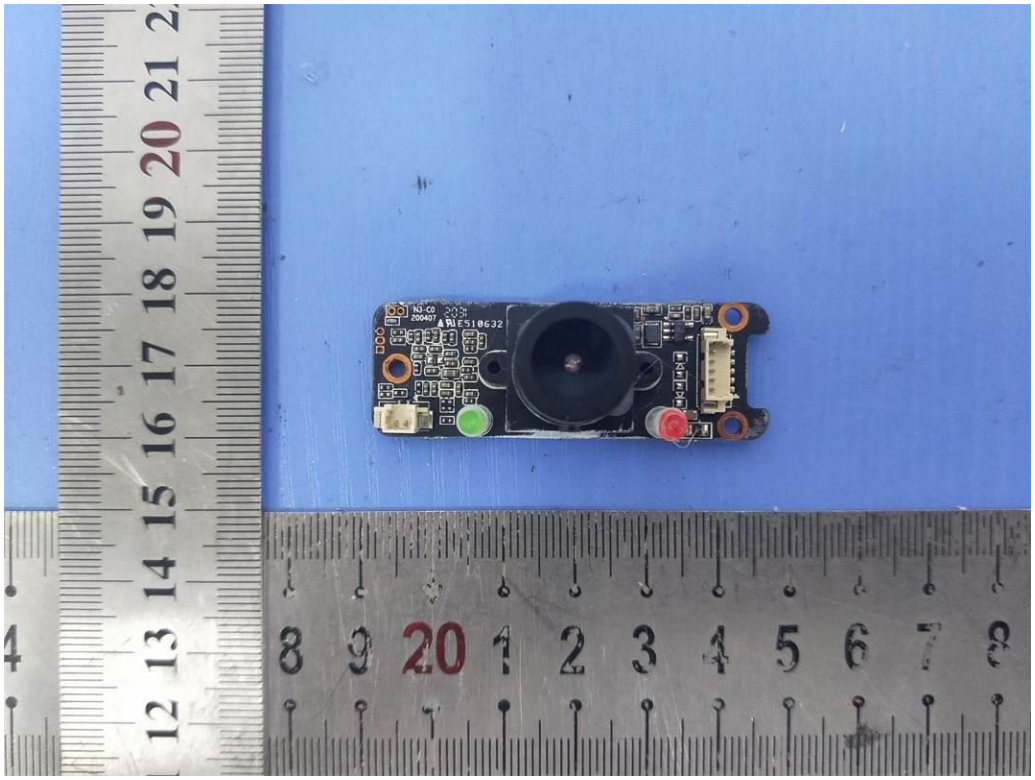


Fig. 7

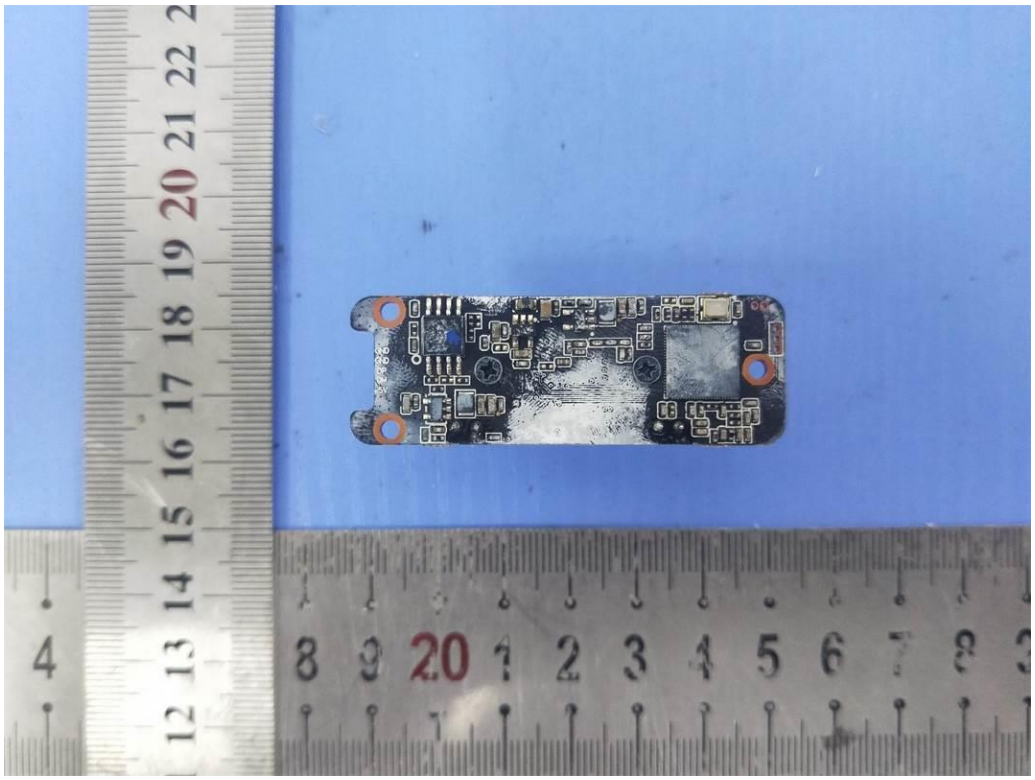


Fig. 8

----------THE END OF TEST REPORT----------

Attestation of Compliance

Reference No.	:	LCS200807051AE
Applicant	:	ShenZhen Anlud Science and Technology Development Co., Ltd
Address	:	Building B, No.8, ShangXue science and technology Industrial City East Zone,Bantian, Longgang District, Shenzhen city, GuangDong Province, P.R.of China.
Trade Mark	:	ANLUD, NULAXY
Product	:	USB VIDEO CAMERA
Model(s)	:	W6, W7, W8 W9, W10, W11, W12, W13, W14, W15, W16, W17, W18, C900, C901, C902, C903, C904, C905, C906, C907, C908, C909, C910
Tested according to	:	EN 55032: 2015+A1:2016, EN 55035: 2017

The submitted products have been tested by us with the listed standards.

This Attestation of Compliance is issued according to the council Directive 2014/30/EU, Referred to as the Electromagnetic Compatibility. It confirms that the listed product complies with all essential requirements of the EMC directive and applies only to the sample and its technical documentation submitted to Shenzhen LCS Compliance Testing Laboratory Ltd. for testing.

After preparation of the necessary technical documentation as well as the EC conformity declaration the required CE marking can be affixed on the product.Other relevant Directives have to be observed.

CE

LCS TESTING LABORATORY APPROVED

Manager

Date of issue: Aug 17, 2020

扫码查询真伪
Scan,Query authenticity

Shenzhen LCS Compliance Testing Laboratory Ltd.
Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China
Tel: (86)0755-82591330 Fax: (86)0755-82591332
Http://www.lcs-cert.com Email: webmaster@lcs-cert.com

EMC TEST REPORT

For

ShenZhen Anlud Science and Technology Development Co., Ltd

USB VIDEO CAMERA

Test Model: W6

Additional Model No.: Please Refer To Page 8

Prepared for	:	ShenZhen Anlud Science and Technology Development Co., Ltd
Address	:	Building B, No.8, ShangXue science and technology Industrial City East Zone,Bantian, Longgang District, Shenzhen city, GuangDong Province, P.R.of China.
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	:	Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China
Tel	:	(+86)755-82591330
Fax	:	(+86)755-82591332
Web	:	www.LCS-cert.com
Mail	:	webmaster@LCS-cert.com
Date of receipt of test sample	:	Aug 14, 2020
Number of tested samples	:	1
Serial number	:	Prototype
Date of Test	:	Aug 14, 2020 ~ Aug 17, 2020
Date of Report	:	Aug 17, 2020

EMC TEST REPORT

EN 55032: 2015+A1:2016

Electromagnetic compatibility of multimedia equipment - Emission Requirements

EN 55035: 2017

Electromagnetic compatibility of multimedia equipment – Immunity requirements

Report Reference No.	:	**LCS200807051AE**
Date of Issue	:	Aug 17, 2020
Testing Laboratory Name	:	**Shenzhen LCS Compliance Testing Laboratory Ltd.**
Address	:	Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao' an District, Shenzhen, Guangdong, China
Testing Location/ Procedure....	:	Full application of Harmonised standards ■ Partial application of Harmonised standards □ Other standard testing method □
Applicant's Name	:	**ShenZhen Anlud Science and Technology Development Co., Ltd**
Address	:	Building B, No.8, ShangXue science and technology Industrial City East Zone,Bantian, Longgang District, Shenzhen city, GuangDong Province, P.R.of China.
Test Specification		
Standard.....	:	EN 55032: 2015+A1:2016 EN 55035: 2017
Test Report Form No.....	:	LCSEMC-1.0
TRF Originator.....	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF	:	Dated 2011-03

Test Item Description.....	:	**USB VIDEO CAMERA**
Trade Mark.....	:	ANLUD, NULAXY
Test Model.....	:	W6
Ratings	:	By USB bus power
Result	:	**Positive**

Compiled by:	Supervised by:	Approved by:
Emma Wang	Jason Deng	Gavin Liang
Emma Wang/ File administrators	Jason Deng/ Technique principal	Gavin Liang/ Manager

EMC -- TEST REPORT

Test Report No. : LCS200807051AE	Aug 17, 2020 Date of issue

Test Model.....	: W6
EUT.....	: USB VIDEO CAMERA
Applicant.....	: **ShenZhen Anlud Science and Technology Development Co., Ltd**
Address.....	: Building B, No.8, ShangXue science and technology Industrial City East Zone,Bantian, Longgang District, Shenzhen city, GuangDong Province, P.R.of China.
Telephone.....	: /
Fax.....	: /
Manufacturer.....	**ShenZhen Anlud Science and Technology Development Co., Ltd**
Address.....	: Building B, No.8, ShangXue science and technology Industrial City East Zone,Bantian, Longgang District, Shenzhen city, GuangDong Province, P.R.of China.
Telephone.....	: /
Fax.....	: /
Factory.....	**ShenZhen Anlud Science and Technology Development Co., Ltd**
Address.....	: Building B, No.8, ShangXue science and technology Industrial City East Zone,Bantian, Longgang District, Shenzhen city, GuangDong Province, P.R.of China.
Telephone.....	: /
Fax.....	: /

Test Result	**Positive**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revision History

Revision	Issue Date	Revisions	Revised By
000	Aug 17, 2020	Initial Issue	Gavin Liang

TABLE OF CONTENTS

Test Report Description Page

1. TEST STANDARDS

The tests were performed according to following standards:

EN 55032: 2015+A1:2016 Electromagnetic compatibility of multimedia equipment - Emission Requirements

EN 55035: 2017 Electromagnetic compatibility of multimedia equipment – Immunity requirements

2.SUMMARY OF STANDARDS AND RESULTS

2.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

Emission (EN 55032: 2015+A1:2016)			
Description of Test Item	**Standard**	**Limits**	**Results**
Conducted disturbance at mains terminals	EN 55032: 2015+A1:2016	Class B	N/A
Conducted disturbance at telecommunication port	EN 55032: 2015+A1:2016	Class B	N/A
Radiated disturbance	EN 55032: 2015+A1:2016	Class B	PASS
Harmonic current emissions	EN 61000-3-2: 2014	Class A	N/A
Voltage fluctuations & flicker	EN 61000-3-3: 2013	---------	N/A
Immunity (EN 55035: 2017)			
Description of Test Item	**Basic Standard**	**Performance Criteria**	**Results**
Electrostatic Discharge (ESD)	EN 61000-4-2: 2009	B	PASS
Radio-frequency, Continuous Radiated Disturbance	EN 61000-4-3: 2006+A2: 2010	A	PASS
Electrical Fast Transient (EFT)	EN 61000-4-4: 2012	B	N/A
Surge (Input a.c. Power Ports)	EN 61000-4-5: 2014+A1: 2017	B	N/A
Surge (Telecommunication Ports)		B	N/A
Radio-frequency, Continuous Conducted Disturbance	EN 61000-4-6: 2014	A	N/A
Power Frequency Magnetic Field	EN 61000-4-8: 2010	A	PASS
Voltage Dips, >95% Reduction	EN 61000-4-11: 2004+A1: 2017	B	N/A
Voltage Dips, 30% Reduction		C	N/A
Voltage Interruptions		C	N/A
***Note: N/A is an abbreviation for Not Applicable.			

Test mode:		
Mode 1	Working	Record

2.2. Description of Performance Criteria

General Performance Criteria
Examples of functions defined by the manufacturer to be evaluated during testing include, but are not limited to, the following:
─ essential operational modes and states;

2.2.1. Performance 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 manufacture when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be deriver from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

2.2.2. Performance 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 manufacture, when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance.

During the test, degradation of performance is allowed. However, no change of operation state or stored data is allowed to persist after the test.

If the minimum performance level (or the permissible performance loss) is not specified by the manufacturer, then either of these may be deriver from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

2.2.3. Performance 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 manufacture's instructions.

Functions, and/or information stored in non-volatile memory, or protected by a battery backup, shall not be loss.

3. GENERAL INFORMATION

3.1. Description of Device (EUT)

EUT : USB VIDEO CAMERA

Trade Mark : ANLUD, NULAXY

Test Model : W6

Additional Model No. : W7, W8 W9, W10, W11, W12, W13, W14, W15, W16, W17, W18, C900, C901, C902, C903, C904, C905, C906, C907, C908, C909, C910

Model declaration : PCB board, structure and internal of these model(s) are the same, So no additional models were tested.

Power Supply : By USB bus power

Highest internal frequency (Fx)	Highest measured frequency
Fx ≤ 108 MHz 108 MHz < Fx ≤ 500 MHz 500 MHz < Fx ≤ 1 GHz Fx > 1 GHz	1 GHz 2 GHz 5 GHz 5 × Fx up to a maximum of 6 GHz
NOTE 1 For FM and TV broadcast receivers, Fx is determined from the highest frequency generated or used excluding the local oscillator and tuned frequencies. Where Fx is unknown, the radiated emission measurements shall be performed up to 6 GHz.	

3.2. Description of Support Device

Name	manufacturers	M/N	S/N
PC	Dell	OptiPlex 9020 MT	BCM943228HM4L

3.3. Description of Test Facility

NVLAP Accreditation Code is 600167-0.
FCC Designation Number is CN5024.
CAB identifier is CN0071.
CNAS Registration Number is L4595.

3.4. Statement of The Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

3.5. Measurement Uncertainty

Test	Parameters	Expanded Uncertainty (U_{lab})	Expanded Uncertainty (U_{cispr})
Conducted Emission	Level accuracy (9kHz to 150kHz) (150kHz to 30MHz)	± 2.63 dB ± 2.35 dB	± 3.8 dB ± 3.4 dB
Power Disturbance	Level accuracy (30MHz to 300MHz)	± 2.90dB	± 4.5 dB
Electromagnetic Radiated Emission (3-loop)	Level accuracy (9kHz to 30MHz)	± 3.60 dB	± 3.3 dB
Radiated Emission	Level accuracy (9kHz to 30MHz)	± 3.68 dB	N/A
Radiated Emission	Level accuracy (30MHz to 1000MHz)	± 3.48 dB	± 5.3 dB
Radiated Emission	Level accuracy (above 1000MHz)	± 3.90 dB	± 5.2 dB
Mains Harmonic	Voltage	± 0.510%	N/A
Voltage Fluctuations & Flicker	Voltage	± 0.510%	N/A
EMF	/	± 21.59%	N/A
1) Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus. 2) The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.			

4. MEASURING DEVICES AND TEST EQUIPMENT

RADIATED DISTURBANCE

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	EMI Test Software	AUDIX	E3	/	N/A	N/A
2	3m Semi Anechoic Chamber	SIDT	SAC-3M	03CH03-HY	2020-06-11	2021-06-10
3	Positioning Controller	MF	MF-7082	/	2020-06-11	2021-06-10
4	By-log Antenna	SCHWARZBE	VULB9163	9163-470	2020-07-24	2021-07-23
5	Horn Antenna	SCHWARZBE	BBHA 9120D	9120D-1925	2020-06-30	2021-06-29
6	EMI Test Receiver	R&S	ESR 7	101181	2020-06-11	2021-06-10
7	RS SPECTRUM ANALYZER	R&S	FSP40	100503	2019-11-14	2020-11-13
8	Broadband Preamplifier	phx	BP-01M18G	P190501	2020-06-30	2021-06-29
9	RF Cable-R03m	Jye Bao	RG142	CB021	2020-06-11	2021-06-10
10	RF Cable-HIGH	SUHNER	SUCOFLEX	03CH03-HY	2020-06-11	2021-06-10
11	WIDEBAND RADIO	R&S	CMW 500	103818	2020-06-10	2021-06-09

RF ELECTROMAGNETIC FIELD

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	RS Test Software	Tonscend	/	/	N/A	N/A
2	ESG Vector Signal Generator	Agilent	E4438C	MY4208139	2019-11-14	2020-11-13
3	3m Semi Anechoic Chamber	SIDT	SAC-3M	03CH03-HY	2020-06-11	2021-06-10
4	RF POWER AMPLIFIER	OPHIR	5225R	1052	NCR	NCR
5	RF POWER AMPLIFIER	OPHIR	5273F	1019	NCR	NCR
6	RF POWER AMPLIFIER	SKET	HAP_0306G-5	--	NCR	NCR
7	Stacked Broadband Log Periodic	SCHWARZBE	STLP 9128	9128ES-145	NCR	NCR
8	Stacked Mikrowellen Log.-Per	SCHWARZBE	STLP 9149	9149-484	NCR	NCR
9	Electric field probe	Narda	EP601	611WX8020	2020-03-24	2021-03-23

ELECTROSTATIC DISCHARGE

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	ESD Simulator	SCHLODER	SESD 230	604035	2020-06-12	2021-06-11
2	WIDEBAND RADIO	R&S	CMW 500	103818	2020-06-10	2021-06-09

MAGNETIC FIELD SUSCEPTIBILITY TEST

Item	Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Power frequency mag-field generator System	EVERFINE	EMS61000-8K	906003	2020-06-10	2021-06-09

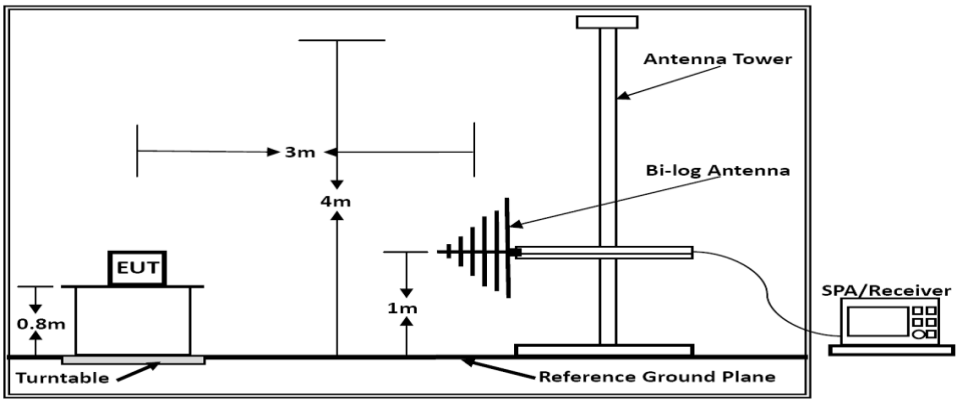
Note: All equipment is calibrated through CHINA CEPREI LABORATORY and GUANGZHOU LISAI CALIBRATION AND TEST CO., LTD.

NCR --- No calibration requirement.

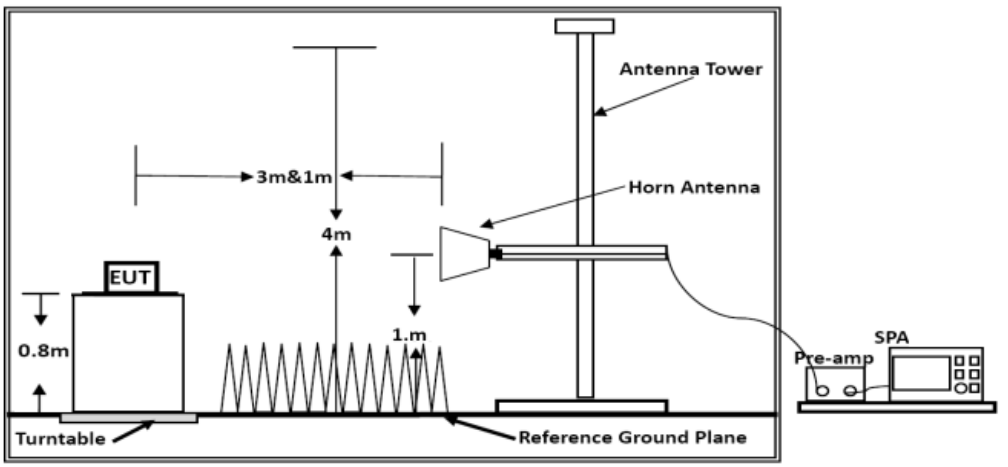
5.TEST RESULTS

5.1. RADIATED EMISSION MEASUREMENT

5.1.1. Block Diagram of Test Setup



Below 1GHz



Above 1GHz

5.1.2. Test Standard

EN 55032: 2015+A1:2016 Class B

All emanations from a class B device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

Limits for Radiated Emission Below 1GHz		
Frequency (MHz)	Distance (Meters)	Field Strengths Limit (dBμV/m)
30 ~ 230	3	40
230 ~ 1000	3	47
***Note: (1) The smaller limit shall apply at the combination point between two frequency bands. (2) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the EUT.		

Limits for Radiated Emission Above 1GHz			
Frequency (MHz)	Distance (Meters)	Peak Limit (dBμV/m)	Average Limit (dBμV/m)
1000 ~ 3000	3	70	50
3000 ~ 6000	3	74	54
***Note: The lower limit applies at the transition frequency.			

5.1.3. EUT Configuration on Test

The EN 55032 regulations test method must be used to find the maximum emission during emission measurement.

5.1.4. Operating Condition of EUT

5.1.4.1. Turn on the power.

5.1.4.2. Let the EUT work in the test mode 1 and measure it.

5.1.5. Test Procedure

The EUT is placed on a turntable, which is 0.8 meter high above the ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. By-log antenna is used as a receiving antenna. Both horizontal and vertical polarization of the antenna is set on test.

The bandwidth of the EMI test receiver is set at RBW/VBW=120kHz/300kHz.

The frequency range from 30MHz to 1000MHz is checked.

The bandwidth of the Spectrum analyzer is set at RBW/VBW=1MHz/3MHz.

The frequency range from 1GHz to the frequency which about 5th carrier harmonic or 6GHz is checked.

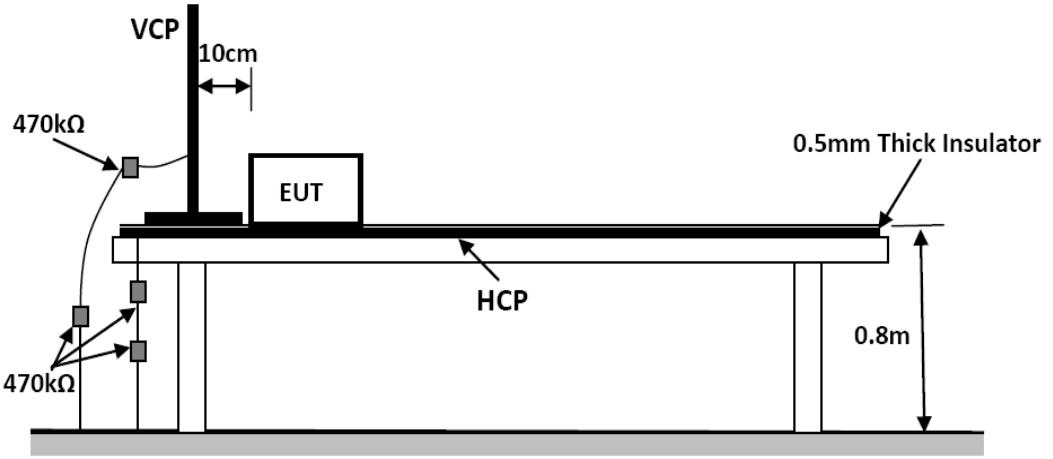
5.1.6. Test Results

PASS.

Refer to attached Annex B.1

5.2. ELECTROSTATIC DISCHARGE IMMUNITY TEST

5.2.1. Block Diagram of Test Setup



5.2.2. Test Standard

EN 55035: 2017 (EN 61000-4-2: 2009, Severity Level: 3 / Air Discharge: ±8KV, Level: 2 / Contact Discharge: ±4KV)

5.2.3. Severity Levels and Performance Criterion

5.2.3.1. Severity level

Level	Test Voltage Contact Discharge (KV)	Test Voltage Air Discharge (KV)
1	±2	±2
2	±4	±4
3	±6	±8
4	±8	±15
X	Special	Special

5.2.3.2. Performance Criterion
Performance Criterion: B

5.2.4. EUT Configuration on Test

The configuration of EUT is listed in Section 5.2.1.

5.2.5. Operating Condition of EUT

Same as radiated emission measurement, which is listed in Section 5.1.4. Except the test set up replaced by Section 5.2.1.

5.2.6. Test Procedure

5.2.6.1. Air Discharge

This test is done on a non-conductive surfaces. The round discharge tip of the Electrostatic Discharge simulator shall be approached as fast as possible then to touch the EUT. After each discharge, the simulator shall be removed from the EUT. The simulator 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

5.2.6.2. Contact Discharge

All the procedure shall be same as air discharge, except using the acute discharge tip. The top end of the Electrostatic Discharge simulator is touch the EUT all the time when the simulator is re-triggered for a new single discharge and repeated 10 times for each pre-selected test point.

5.2.6.3. Indirect Discharge For Horizontal Coupling Plane

The vertical coupling plane(VCP) is placed 0.1m away from EUT. The top end of Electrostatic Discharge simulator should aim at the center of one border of the VCP for at least 25 times discharge.

5.2.6.4. Indirect Discharge For Vertical Coupling Plane

The top end of Electrostatic Discharge simulator should place at the point 0.1m away from EUT on the horizontal coupling plane(HCP). At least 25 times discharge should be done for every pre-selected point around EUT.

Record any performance degradation of the EUT during the test and judge the test result according to ce criterion.

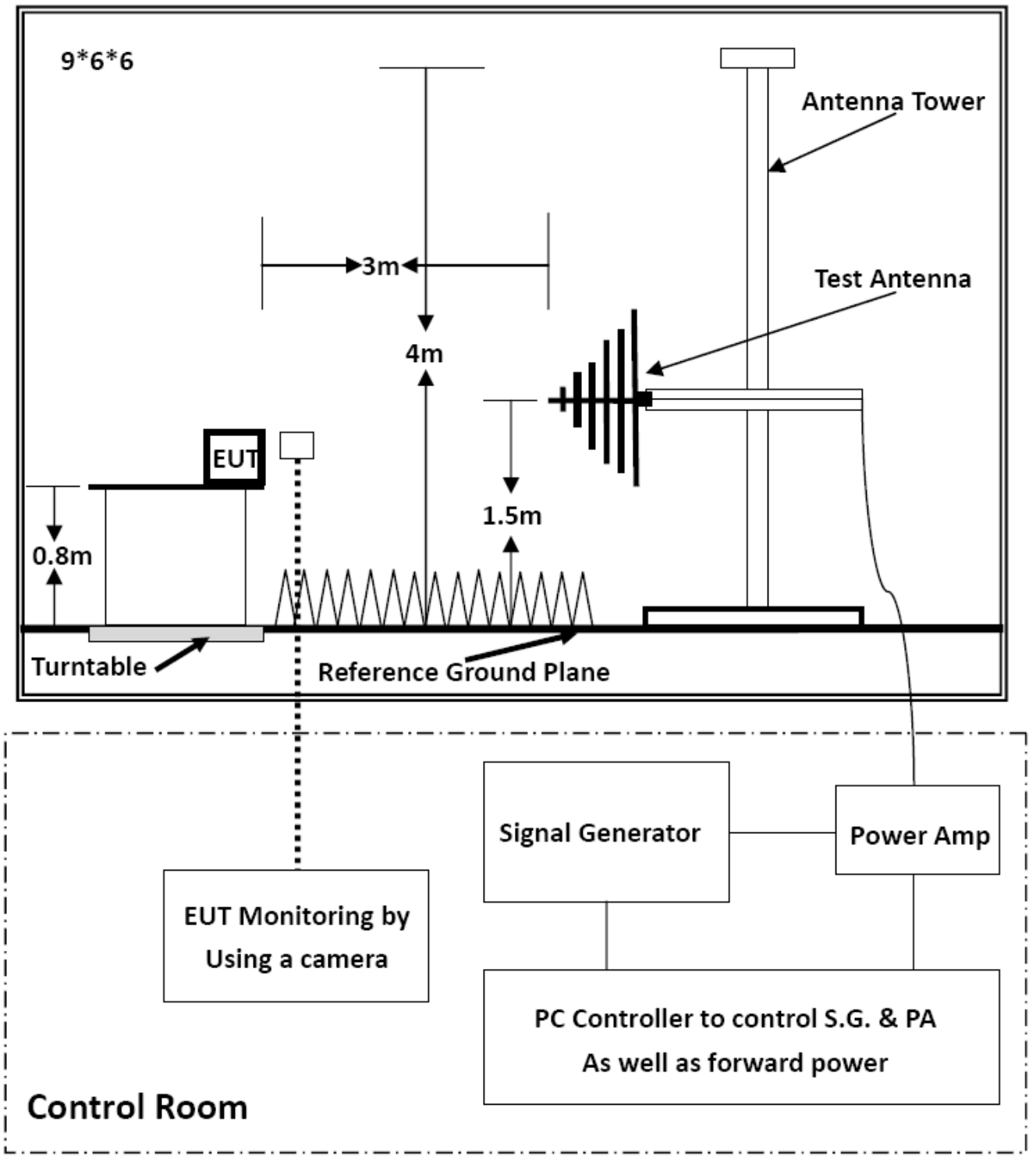
5.2.7. Test Results

PASS.

Refer to attached Annex B.2

5.3. RF FIELD STRENGTH SUSCEPTIBILITY TEST

5.3.1. Block Diagram of Test Setup



5.3.2. Test Standard

EN 55035: 2017 (EN 61000-4-3: 2006+A2: 2010 Severity Level: 2, 3V/m)

5.3.3. Severity Levels and Performance Criterion

5.3.3.1. Severity level

Level	Field Strength (V/m)
1	1
2	3
3	10
X	Special

5.3.3.2. Performance Criterion
Performance Criterion: A

5.3.4. EUT Configuration on Test

The configuration of EUT is listed in Section 5.3.1.

5.3.5. Operating Condition of EUT

Same as radiated emission measurement, which is listed in Section 5.1.4, except the test setup replaced as Section 5.3.1.

5.3.6. 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 CCD Recording is used to monitor its screen.
All the scanning conditions are as following:

Condition of Test	Remark
Fielded Strength	3 V/m (Severity Level 2)
Radiated Signal	Unmodulated
Test Frequency Range (Swept Test)	80-1000MHz
Test Frequency (spot test)	1800MHz, 2600MHz, 3500MHz, 5000MHz
Dwell Time of Radiated	0.0015 decade/s
Waiting Time	3 Sec.

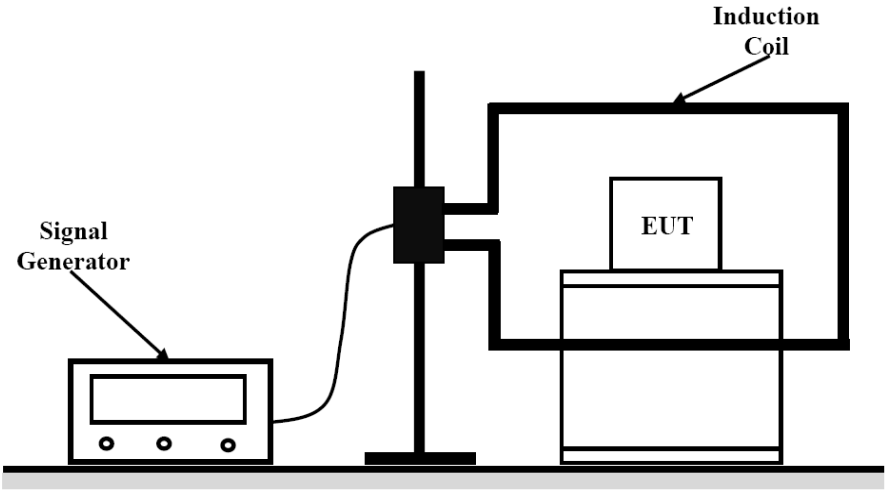
5.3.7. Test Results

PASS.

Refer to attached Annex B.3

5.4. MAGNETIC FIELD SUSCEPTIBILITY TEST

5.4.1. Block Diagram of Test Setup



5.4.2. Test Standard

EN 55035: 2017 (EN 61000-4-8: 2010, Severity Level: Level 1, 1A/m)

5.4.3. Severity Levels and Performance Criterion

5.4.3.1. Severity level

Level	Field Strength (A/m)
1	1
2	3
3	10
4	30
5	100
X	Special

5.4.3.2. Performance Criterion
Performance Criterion: A

5.4.4. EUT Configuration on Test

The configuration of EUT is listed in Section 5.4.1.

5.4.5. Test Procedure

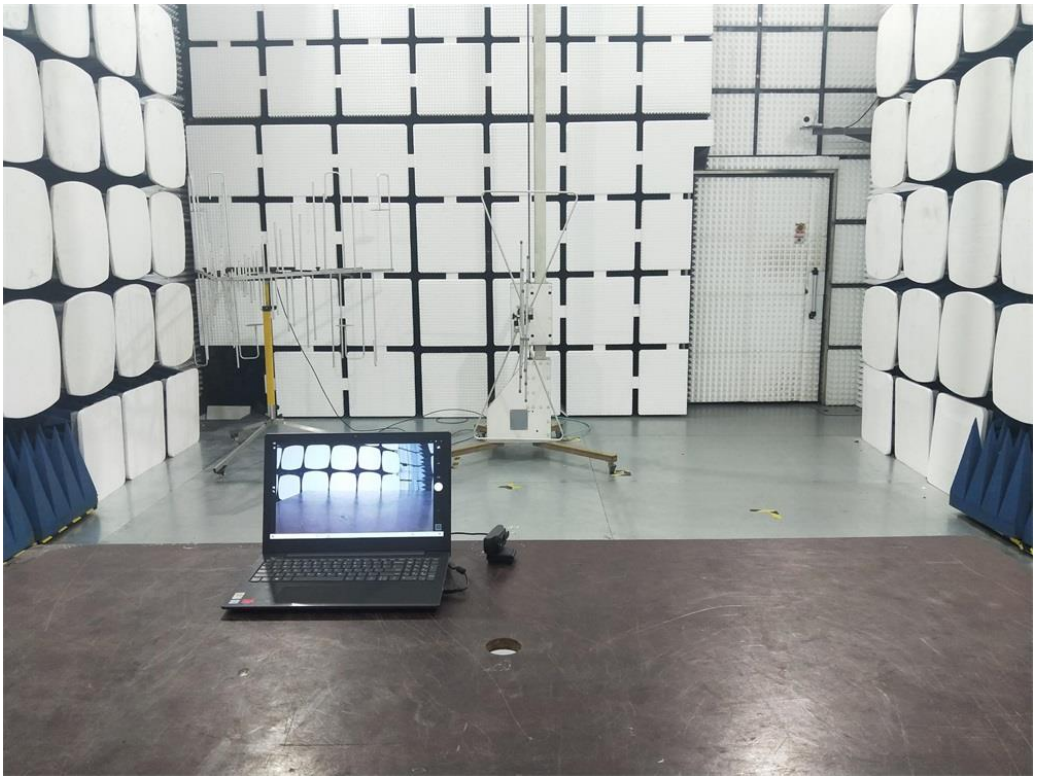
EUT is placed on an insulating support of 0.1m high above a table of 0.8m high. There is a minimum 1m*1m ground metallic plane put on this table. EUT is put in the center of the magnetic coil then two orientations of the magnetic coil, horizontal and vertical, shall be rotated in order to expose the EUT to the difference polarization magnetic field.
Record any performance degradation of the EUT during the test and judge the test result according to performance criterion.

5.4.6. Test Results

PASS.
Refer to attached Annex B.4

ANNEX A

（Test photograph）



Test Setup Photo of Radiated Measurement (30MHz~1GHz)

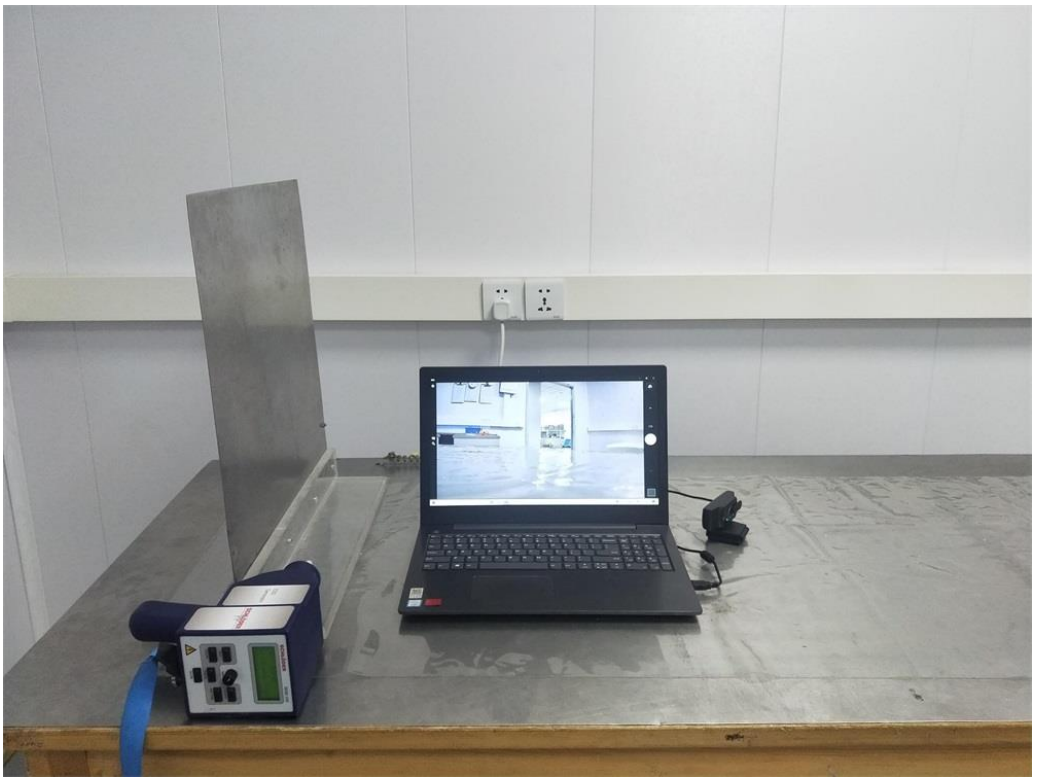
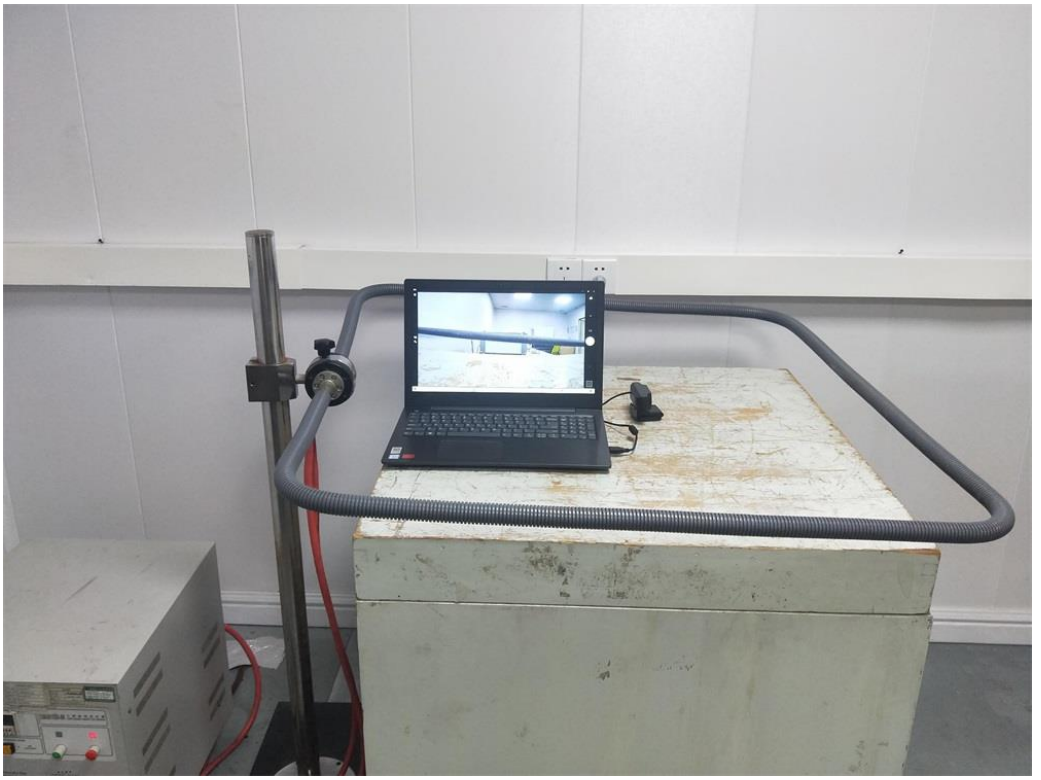


Photo of Electrostatic Discharge Test



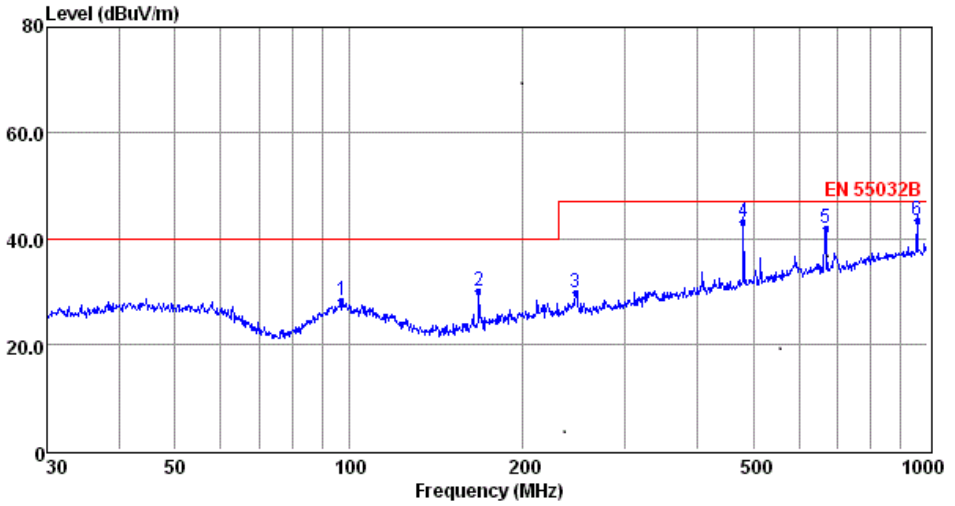
Test Setup Photo of Magnetic Field Immunity Test

ANNEX B

（Emission and Immunity test results）

B.1 Radiated Disturbance Test Results（30MHz to 1000MHz）

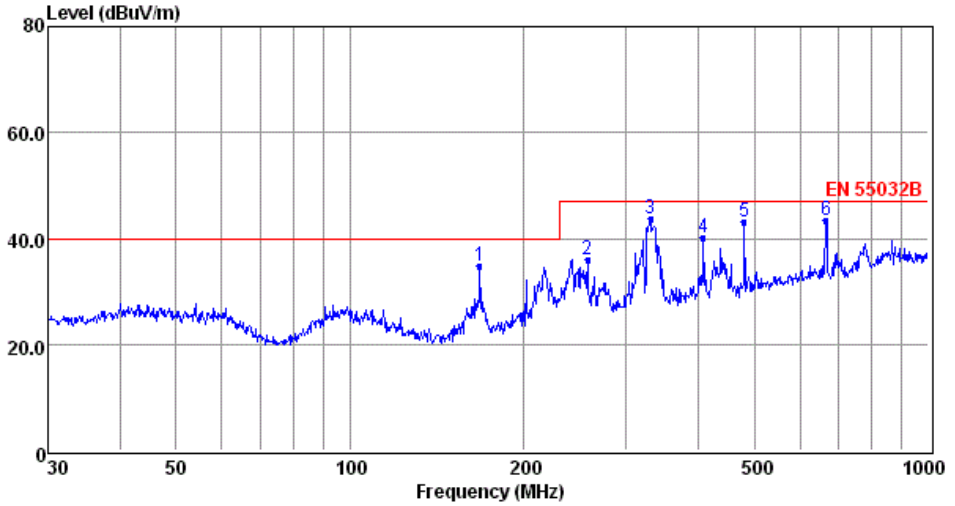
Environmental Conditions:	22.1℃, 53.2% RH
Test Voltage:	DC
Test Model:	W6
Test Mode:	Mode 1
Test Engineer:	Daiwei Dai
Pol:	Vertical
Detailed results are shown below	



	Freq	Reading	CabLos	Antfac	Measured	Limit	Over	Remark
	MHz	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	97.11	14.53	0.61	12.98	28.12	40.00	-11.88	QP
2	167.82	20.24	0.77	8.90	29.91	40.00	-10.09	QP
3	246.81	16.75	0.97	12.08	29.80	47.00	-17.20	QP
4	480.53	25.68	1.31	16.08	43.07	47.00	-3.93	QP
5	668.14	21.38	1.71	18.70	41.79	47.00	-5.21	QP
6	962.16	19.92	2.01	21.49	43.42	47.00	-3.58	QP

Note: 1. All readings are Quasi-peak values.
2. Measured= Reading + Antenna Factor + Cable Loss
3. The emission that are 20db below the official limit are not reported

Environmental Conditions:	22.1℃, 53.2% RH
Test Voltage:	DC
Test Model:	W6
Test Mode:	Mode 1
Test Engineer:	Daiwei Dai
Pol:	Horizontal
Detailed results are shown below	



	Freq	Reading	CabLos	Antfac	Measured	Limit	Over	Remark
	MHz	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	167.82	25.03	0.77	8.90	34.70	40.00	-5.30	QP
2	257.42	23.06	1.01	12.06	36.13	47.00	-10.87	QP
3	331.35	28.66	1.17	13.78	43.61	47.00	-3.39	QP
4	408.95	23.60	1.28	15.24	40.12	47.00	-6.88	QP
5	480.53	25.73	1.31	16.08	43.12	47.00	-3.88	QP
6	665.80	23.19	1.55	18.69	43.43	47.00	-3.57	QP

Note: 1. All readings are Quasi-peak values.
2. Measured= Reading + Antenna Factor + Cable Loss
3. The emission that are 20db below the official limit are not reported

B.2 ELECTROSTATIC DISCHARGE IMMUNITY TEST

Electrostatic Discharge Test Results

Standard	☐ IEC 61000-4-2 ☑ EN 61000-4-2		
Applicant	ShenZhen Anlud Science and Technology Development Co., Ltd		
EUT	USB VIDEO CAMERA	**Temperature**	23.8℃
M/N	W6	**Humidity**	54.3%
Criterion	B	**Pressure**	1021mbar
Test Mode	Mode 1	**Test Engineer**	Daiwei Dai

Air Discharge

Test Points	Test Levels			Results		
	± 2kV	± 4kV	± 8kV	Passed	Fail	Performance Criterion
Front	☒	☒	☒	☒	☐	☐A ☒B
Back	☒	☒	☒	☒	☐	☐A ☒B
Left	☒	☒	☒	☒	☐	☐A ☒B
Right	☒	☒	☒	☒	☐	☐A ☒B
Top	☒	☒	☒	☒	☐	☐A ☒B
Bottom	☒	☒	☒	☒	☐	☐A ☒B

Contact Discharge

Test Points	Test Levels		Results		
	± 2 kV	±4 kV	Passed	Fail	Performance Criterion
Front	☒	☒	☒	☐	☐A ☒B
Back	☒	☒	☒	☐	☐A ☒B
Left	☒	☒	☒	☐	☐A ☒B
Right	☒	☒	☒	☐	☐A ☒B
Top	☒	☒	☒	☐	☐A ☒B
Bottom	☒	☒	☒	☐	☐A ☒B

Discharge To Horizontal Coupling Plane

Side of EUT	Test Levels		Results		
	± 2 kV	± 4 kV	Passed	Fail	Performance Criterion
Front	☒	☒	☒	☐	☐A ☒B
Back	☒	☒	☒	☐	☐A ☒B
Left	☒	☒	☒	☐	☐A ☒B
Right	☒	☒	☒	☐	☐A ☒B

Discharge To Vertical Coupling Plane

Side of EUT	Test Levels		Results		
	± 2 kV	± 4 kV	Passed	Fail	Performance Criterion
Front	☒	☒	☒	☐	☐A ☒B
Back	☒	☒	☒	☐	☐A ☒B
Left	☒	☒	☒	☐	☐A ☒B
Right	☒	☒	☒	☐	☐A ☒B

B.3 RF FIELD STRENGTH SUSCEPTIBILITY TEST

RF Field Strength Susceptibility Test Results			
Standard	☐ IEC 61000-4-3 ☑ EN 61000-4-3		
Applicant	ShenZhen Anlud Science and Technology Development Co., Ltd		
EUT	USB VIDEO CAMERA	**Temperature**	23.4℃
M/N	W6	**Humidity**	52.7％
Field Strength	3 V/m	**Criterion**	A
Test Mode	Mode 1	**Test Engineer**	Daiwei Dai
Test Frequency	80MHz to 1000MHz (Swept Test) 1800MHz, 2600MHz, 3500MHz, 5000MHz (spot test)		
Modulation	☐None ☐ Pulse ☑AM 1KHz 80%		
Steps	1%		

	Horizontal	Vertical
Front	PASS	PASS
Right	PASS	PASS
Rear	PASS	PASS
Left	PASS	PASS

Test Equipment:

1. Signal Generator: E4438C (MARCONI)
2. Power Amplifier: 5225R (A&R)
3. Power Antenna: 5273F (A&R)
4. Field Monitor: EP601 (A&R)

Note:

B.4 MAGNETIC FIELD SUSCEPTIBILITY TEST

Magnetic Field Immunity Test Result			
Standard	☐ IEC 61000-4-8 ☑ EN 61000-4-8		
Applicant	ShenZhen Anlud Science and Technology Development Co., Ltd		
EUT	USB VIDEO CAMERA	**Temperature**	24.3℃
M/N	W6	**Humidity**	53.2%
Test Mode	Mode 1	**Criterion**	A
Test Engineer	Daiwei Dai		

Test Level (A/M)	Testing Duration	Coil Orientation	Criterion	Result
1	5 mins	X	A	PASS
1	5 mins	Y	A	PASS
1	5 mins	Z	A	PASS

Note:

ANNEX C

（External and internal photos of the EUT）

Fig.1

Fig.2

Fig.3

Fig.4

Fig.5

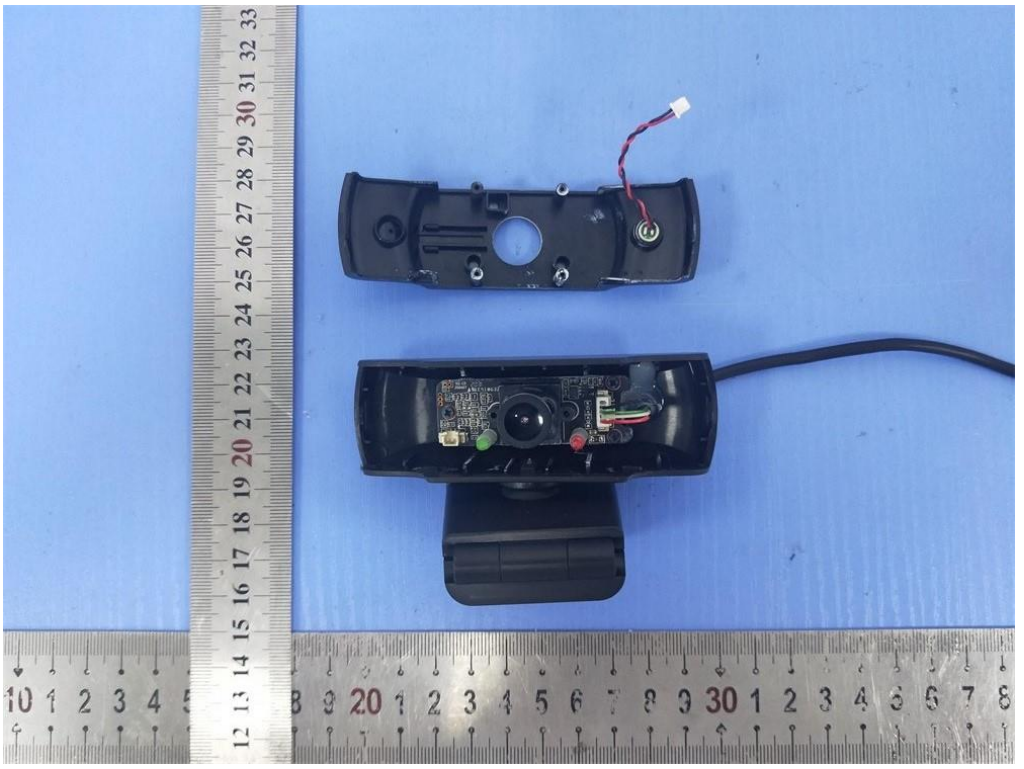


Fig.6

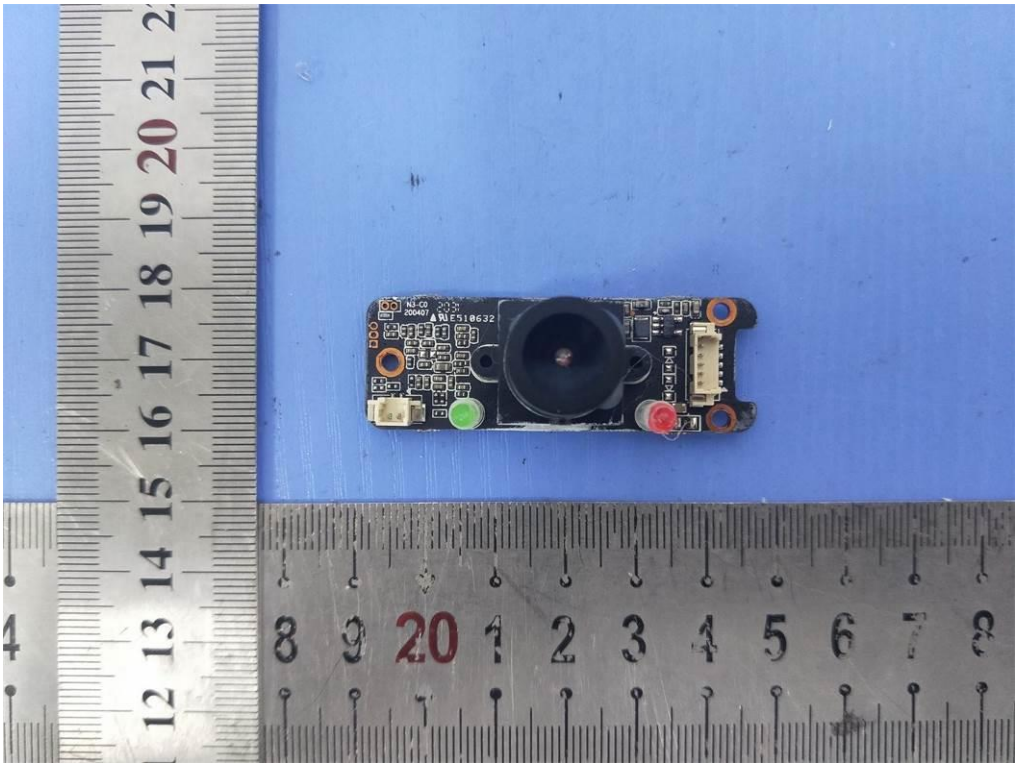


Fig.7

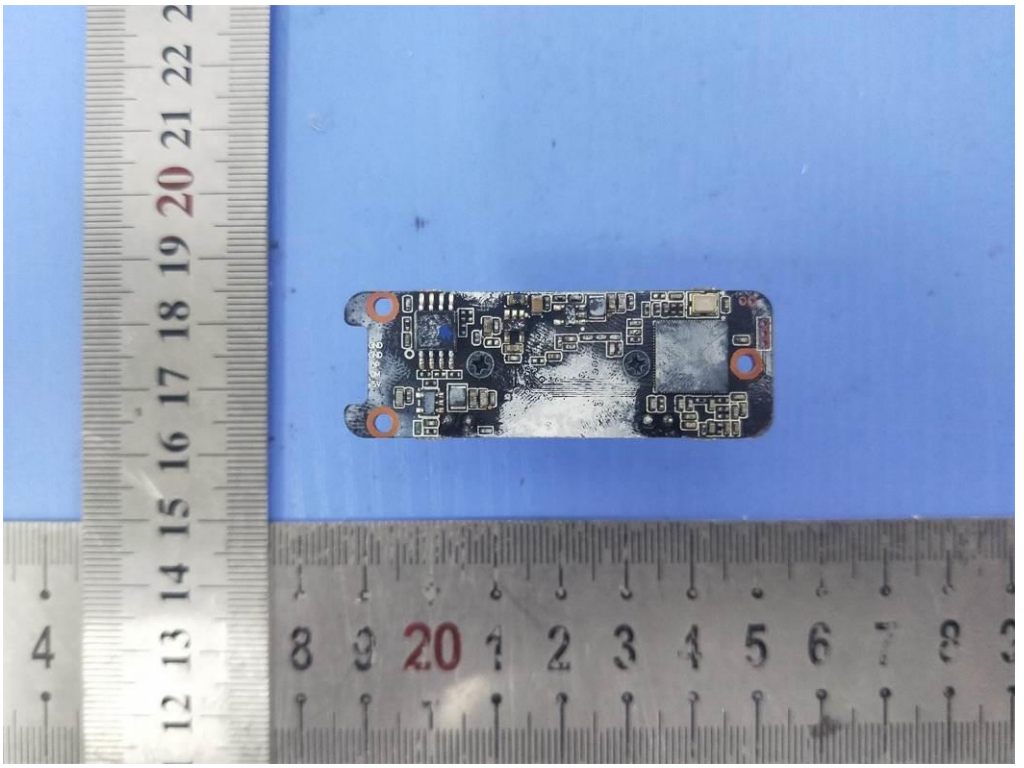


Fig.8

---------- THE END OF TEST REPORT ----------