

CERTIFICATE



CERTIFICATE Of Conformity EU Council Directive 2014/30/EU Electromagnetic Compatibility

Registration No.: **ATZALE181210003**

Report No.: **SZALE181210003-01**

Applicant : **Ledlenser Corporation Ltd.**
No.25, Yudong 1 Road, Dongcheng Town, Yangdong District,
Yangjiang City, GD, 529931, China

Product : **Headlamp**

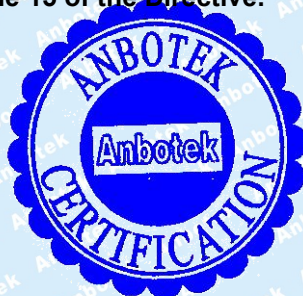
Identification : **Model No.** : **MH4(500949RHG0), IH5(5020240IL0),
MH4 Brown/Green(500949RHG0),
MH4 Black(5009520HL0),
MH3 Black/White(5009480HL0),
MH3 Green/White(5015930HG0),
MH3 Blue/White(5015940HB0),
MH3 Pink(5010050HP0),
MH3 Black(5010040HL0),
MH3 Black/Grey(5015970HD0)**

Trade Mark :  **LEDLENSER**

Rating : **DC 1.5V, 3.3W**

Test Standards : **EN 55015: 2013+A1: 2015
EN 61547: 2009**

The certificate of conformity is based on an evaluation of a sample of the above-mentioned product. Technical report and documentation are at the applicant's disposal. This is to certify that the tested sample is in conformity with all provisions of Annex II of Council Directive 2014/30/EU, in its latest amended version, referred to EMC Directive. The certificate does not imply assessment of the production and does not permit the use of Lab's logo. The applicant of the certificate is authorized to use this certificate in connection with EU declaration of conformity to Article 15 of the Directive.



Certified by

Sally Zhang
Manager

Dec. 12, 2018
Date



The CE Marking may only be used if all relevant and effective EU Directives are complied with



Shenzhen Anbotek Compliance Laboratory Limited

1/F, Building D, Sogood Science and Technology Park, Sanwei community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102

Tel: (86)755-26066440

Fax: (86)755-26014772

Http://www.anbotek.com

Email: service@anbotek.com

EMC Test Report

For

Ledlenser Corporation Ltd.

Headlamp

Model No.: MH4(500949RHG0), IH5(5020240IL0), MH4 Brown/Green(500949RHG0),
MH4 Black(5009520HL0), MH3 Black/White(5009480HL0), MH3 Green/White(5015930HG0),
MH3 Blue/White(5015940HB0), MH3 Pink(5010050HP0), MH3 Black(5010040HL0),
MH3 Black/Grey(5015970HD0)

Prepared For : Ledlenser Corporation Ltd.
Address : No.25, Yudong 1 Road, Dongcheng Town, Yangdong District, Yangjiang
City, GD, 529931, China

Prepared By : Shenzhen Anbotek Compliance Laboratory Limited
Address : 1/F, Building D, Sogood Science and Technology Park, Sanwei
community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong,
China.518102
Tel: (86) 755-26066440 Fax: (86) 755-26014772

Report Number : SZALE181210003-01
Date of Receipt : May 05, 2018
Date of Test : May 05~11, 2018
Date of Report : Dec. 12, 2018

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TEST REPORT

Applicant : Ledlenser Corporation Ltd.
Manufacturer : Ledlenser Corporation Ltd.
Product Name : Headlamp
Model No. : MH4(500949RHG0), IH5(5020240IL0), MH4 Brown/Green(500949RHG0),
MH4 Black(5009520HL0), MH3 Black/White(5009480HL0),
MH3 Green/White(5015930HG0), MH3 Blue/White(5015940HB0),
MH3 Pink(5010050HP0), MH3 Black(5010040HL0),
MH3 Black/Grey(5015970HD0)
Trade Mark : 
Rating(s) : DC 1.5V, 3.3W

Test Standard(s) : EN 55015: 2013+A1: 2015;
EN 61547: 2009;
(IEC 61000-4-2; IEC 61000-4-3)

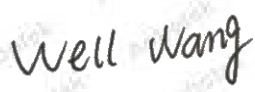
The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliant with the EN 55015 and EN 61547 requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

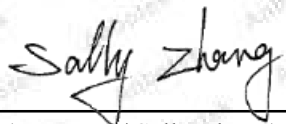
Date of Test: May 05~11, 2018

Prepared By: 

(Engineer / Oliay Yang)

Reviewer: 

(Supervisor / Well Wang)

Approved & Authorized Signer: 

(Manager / Sally Zhang)



1. General Information

1.1. Client Information

Applicant	:	Ledlenser Corporation Ltd.
Address	:	No.25, Yudong 1 Road, Dongcheng Town, Yangdong District, Yangjiang City, GD, 529931, China
Manufacturer	:	Ledlenser Corporation Ltd.
Address	:	No.25, Yudong 1 Road, Dongcheng Town, Yangdong District, Yangjiang City, GD, 529931, China
Factory	:	Ledlenser Corporation Ltd.
Address	:	No.25, Yudong 1 Road, Dongcheng Town, Yangdong District, Yangjiang City, GD, 529931, China

1.2. Description of Device (EUT)

Product Name	:	Headlamp
Model No.	:	MH4(500949RHG0), IH5(5020240IL0), MH4 Brown/Green(500949RHG0), MH4 Black(5009520HL0), MH3 Black/White(5009480HL0), MH3 Green/White(5015930HG0), MH3 Blue/White(5015940HB0), MH3 Pink(5010050HP0), MH3 Black(5010040HL0), MH3 Black/Grey(5015970HD0) (Note: All samples are the same except the model number & appearance, so we prepare "MH4(500949RHG0)" for test only.)
Trade Mark	:	
Test Power Supply	:	DC 1.5V
Test Sample No.	:	S1
Product Description	:	Adapter: N/A
<p>Remark: (1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual. (2) This report is based on original report SZALE180505001-01. (3) Both reports are the same except updated the Report data, add the Model and Photos.</p>		

1.3. Auxiliary Equipment Used During Test

N/A	:	
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1.4. Description of Test Mode

Pretest Mode	Description
Mode 1	On

For Mode 1 Block Diagram of Test Setup



1.5. Test Summary

Test Items	Test Mode	Status
Power Line Conducted Emission Test (9KHz To 30MHz)	/	N
Radiated Emission Test (30MHz To 300MHz)	Mode 1	P
Magnetic Radiated Emission Test (9KHz To 30MHz)	Mode 1	P
Electrostatic Discharge immunity Test	Mode 1	P
RF Field Strength susceptibility Test	Mode 1	P
Electrical Fast Transient/Burst Immunity Test	/	N
Surge Immunity Test	/	N
Injected Currents Susceptibility Test	/	N
Voltage Dips and Interruptions Test	/	N
P) Indicates "PASS".		
N) Indicates "Not applicable".		

1.6. Test Equipment List

Radiated Emission Measurement

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Nov. 17, 2017	1 Year
2.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	VULB 9163-289	Nov. 20, 2017	1 Year
3.	Pre-amplifier	SONOMA	310N	186860	Nov. 17, 2017	1 Year
4.	Software Name EZ-EMC	Ferrari Technology	ANB-03A	N/A	N/A	N/A

Magnetic Radiated Emission Measurement

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Nov. 17, 2017	1 Year
2.	Triple-Loop Antenna(2M)	EVERFINE	LLA-2	905003	Nov. 17, 2017	1 Year
3.	RF Switching Unit	Compliance Direction	RSU-M2	38303	Nov. 17, 2017	1 Year
4.	Software Name EZ-EMC	Ferrari Technology	ANB-03A	N/A	N/A	N/A

Electrostatic Discharge Measurement

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	ESD Simulators	3Ctest	ESD-30T	ES0131505	Nov. 17, 2017	1 Year

R/S Immunity Measurement

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	RF Power Meter. Dual Channel	BOONTON	4232A	10539	May 20, 2017	1 year
2	50ohm Diode Power Sensor	BOONTON	51011EMC	34236/36164	May 20, 2017	1 year
3	Broad-Band Horn Antenna	SCHWARZBECK	BBHA9120 L3F	332	May 20, 2017	1 year
4	Power Amplifier (0.08-1G)	MILMEGA	80RF1000-175	1059345	May 20, 2017	1 year
5	Power Amplifier (1-2G)	MILMEGA	AS0102-55	1018770	May 20, 2017	1 year
6	Power Amplifier (2-6G)	MILMEGA	AS1860-50	1059346	May 20, 2017	1 year
7	Signal Generator	Agilent	N5181A	MY50145187	May 20, 2017	1 year
8	Field Strength Meter	HOLADAY	HI-6005	N/A	May 20, 2017	1 year
9	RS232 Fiber Optic Modem	HOLADAY	HI-4413P	N/A	May 20, 2017	1 year
10	Log.-Per. Antenna	SCHWARZBECK	VULP 9118E	N/A	May 20, 2017	1 year

Remark: This test item is subcontracted to Shenzhen EMTEK Co., Ltd.

1.7. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC-Registration No.: 184111

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been Registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 184111, July 31, 2017.

ISED-Registration No.: 8058A-1

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A-1, June 13, 2016.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102

1.8. EMS Performance Criteria

- √ A: Normal performance within the specification limits
- √ B: Temporary degradation or loss of function or performance which is self-recoverable
- √ C: Temporary degradation or loss of function or performance which requires operator intervention or system reset
- √ D: Degradation or loss of function which is not recoverable due to damage of equipment (components) or software, or loss of data

Note: The manufacturer's specification may define effects on the EUT which may be considered insignificant, and therefore acceptable.

This classification may be used as a guide in formulating performance criteria, by committees responsible for generic, product and product-family standards, or as a framework for the agreement on performance criteria between the manufacturer and the purchaser, for example where no suitable generic, product or product-family standard exists.

2. Radiated Emission Test

2.1. Test Standard and Limit

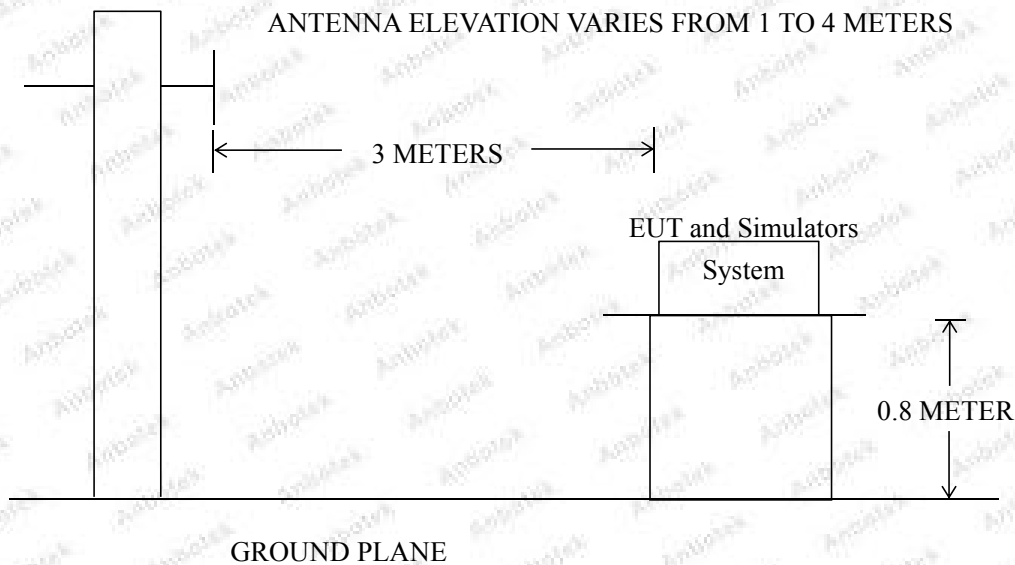
Test Standard	EN 55015
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Radiated Emission Test Limit

Test Limit	Frequency (MHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMIT (dB μ V/m)
	30 ~ 230	3	40
	230 ~ 300	3	47

Remark: (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.

2.2. Test Setup



2.3. EUT Configuration on Measurement

The EN 55015 regulations test method must be used to find the maximum emission during radiated emission measurement.

2.4. Operating Condition of EUT

- 2.4.1. Setup the EUT as shown in Section 2.2.
- 2.4.2. Turn on the power of all equipments.
- 2.4.3. Let the EUT work in test mode and measure it.

2.5. Test Procedure

The EUT is placed on a turn table which is 0.8 meter high above the ground. The turn table 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 an antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Bilog antenna is used as a receiving antenna. Both horizontal and vertical polarization of the antenna are set on test.

The bandwidth of the Receiver (ESCI) is set at 120kHz.

The EUT is tested in Chamber.

The test results are listed in Section 2.6.

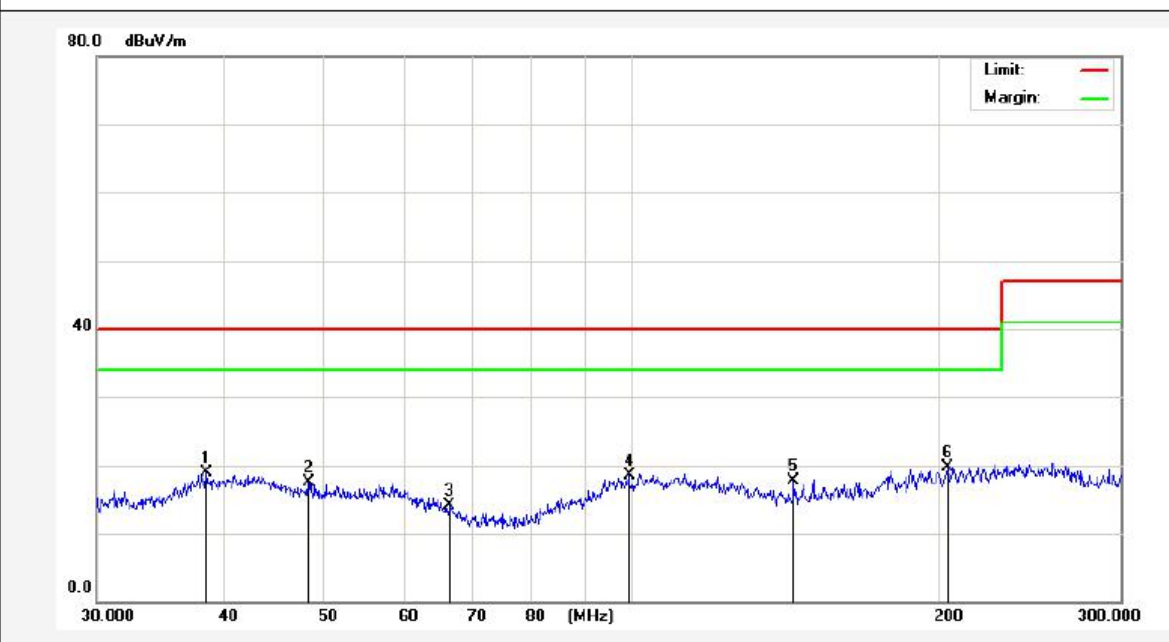
2.6. Test Results

PASS

The frequency range from 30MHz to 300MHz is investigated.

The test curves are shown in the following pages.

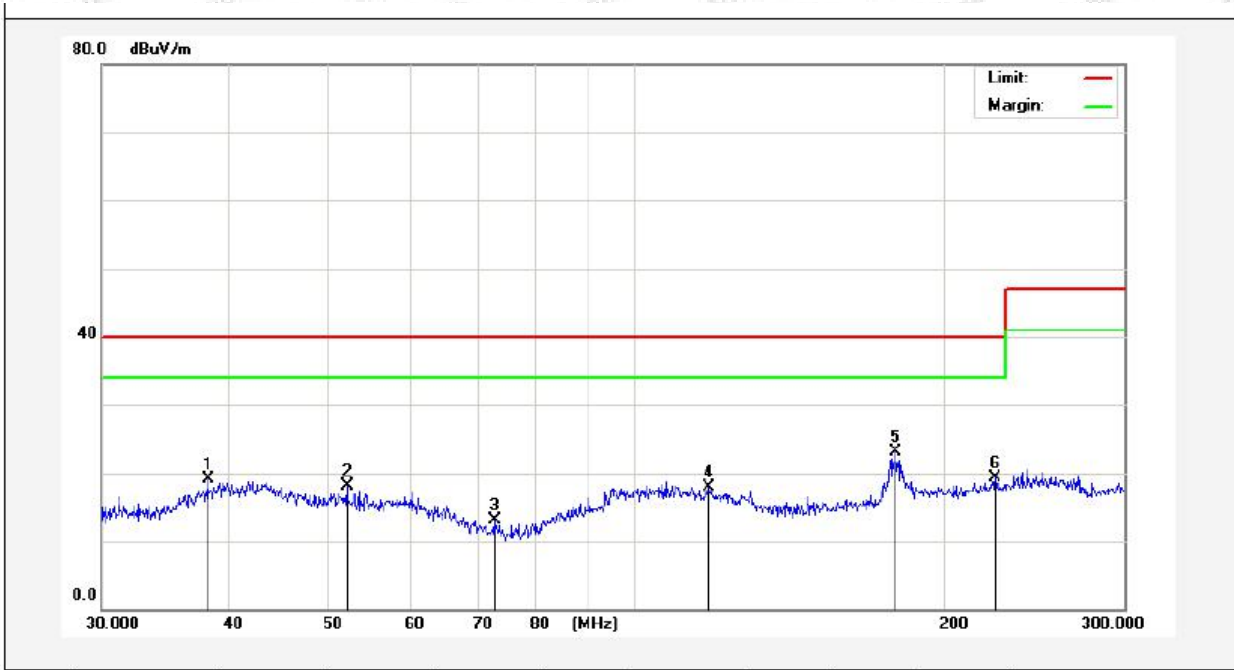
Test item: Radiation Test **Polarization:** Horizontal
Standard: (RE)EN55015 **Power Source:** DC 1.5V
Distance: 3m **Temp.(°C)/Hum.(%RH):** 24.3(°C)/55%RH



No.	Freq. (MHz)	Reading (dBUV/m)	Factor (dB/m)	Result (dBUV/m)	Limit (dBUV/)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	38.3814	34.06	-15.24	18.82	40.00	-21.18	peak			
2	48.3194	33.71	-16.15	17.56	40.00	-22.44	peak			
3	66.3928	33.53	-19.41	14.12	40.00	-25.88	peak			
4	99.3393	39.24	-20.83	18.41	40.00	-21.59	peak			
5	143.9200	39.15	-21.43	17.72	40.00	-22.28	peak			
6	203.2925	38.67	-18.94	19.73	40.00	-20.27	peak			

Note: **Result=Reading+Factor** **Over Limit=Result-Limit**

Test item: Radiation Test **Polarization:** Vertical
Standard: (RE)EN55015 **Power Source:** DC 1.5V
Distance: 3m **Temp.(°C)/Hum.(%RH):** 24.3(°C)/55%RH



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/)	Over Limit (dB)	Detector	Height (cm)	degree (deg)	Remark
1	38.1172	33.51	-14.40	19.11	40.00	-20.89	peak			
2	52.1340	33.71	-15.64	18.07	40.00	-21.93	peak			
3	72.6309	33.27	-20.23	13.04	40.00	-26.96	peak			
4	117.7935	33.02	-15.18	17.84	40.00	-22.16	peak			
5	179.5234	38.95	-15.88	23.07	40.00	-16.93	peak			
6	224.4509	33.35	-14.13	19.22	40.00	-20.78	peak			

Note: Result=Reading+Factor Over Limit=Result-Limit

3. Magnetic Radiated Emission Test

3.1. Test Standard and Limit

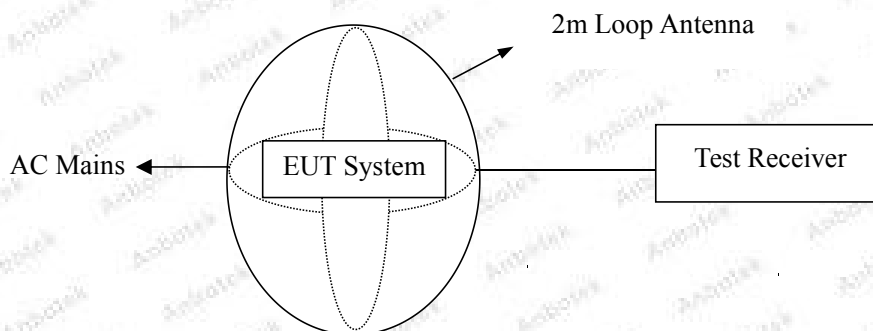
Test Standard	EN 55015
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Limits for Magnetic Radiated Emission

Test Limit	Frequency	Limits for loop diameter (dB μ A)
		2m
	9KHz ~ 70KHz	88
	70KHz ~ 150KHz	88 ~ 58*
	150KHz ~ 3.0MHz	58 ~ 22*
	3.0MHz ~ 30MHz	22

Remark: (1) At the transition frequency the lower limit applies.
(2) * decreasing linearly with logarithm of the frequency.

3.2. Test Setup



3.3. EUT Configuration on Measurement

The following equipments are installed on Magnetic Radiated emission Measurement to meet EN 55015 requirements and operating in a manner which tends to maximize its emission characteristics in a normal application.

3.4. Operating Condition of EUT

- 3.4.1. Setup the EUT as shown in Section 3.2.
- 3.4.2. Turn on the power of all equipments.
- 3.4.3. Let the EUT work in test mode and measure it.

3.5. Test Procedure

The EUT is placed on a wood table in the center of a loop antenna. The induced current in the loop antenna is measured by means of a current probe and the test receiver. Three field components are checked by means of a coaxial switch.

The frequency range from 9KHz to 30MHz is investigated. The receiver is measured with the quasi-peak detector. For frequency band 9KHz to 150KHz, the bandwidth of the test receiver (ESCI) is set at 200Hz. For frequency band 150KHz to 30MHz, the bandwidth is set at 9KHz.

All the test results are listed in Section 3.6.

3.6. Test Results

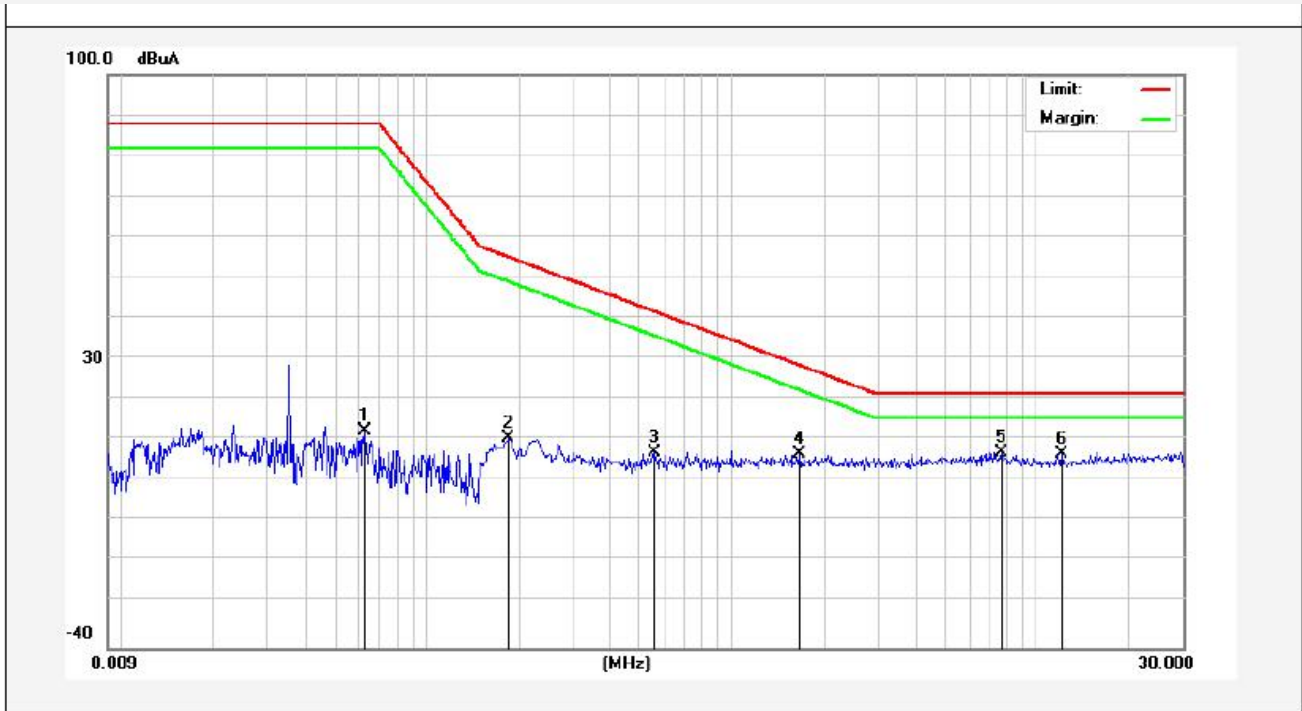
PASS

The frequency range from 9KHz to 30MHz is investigated.

The test curves are shown in the following pages.

Magnetic Radiated Emission Test

Test Site: 1# Shielded Room
 Test Specification: DC 1.5V
 Comment: X
 Temp.: 22.2°C Hum.: 59%

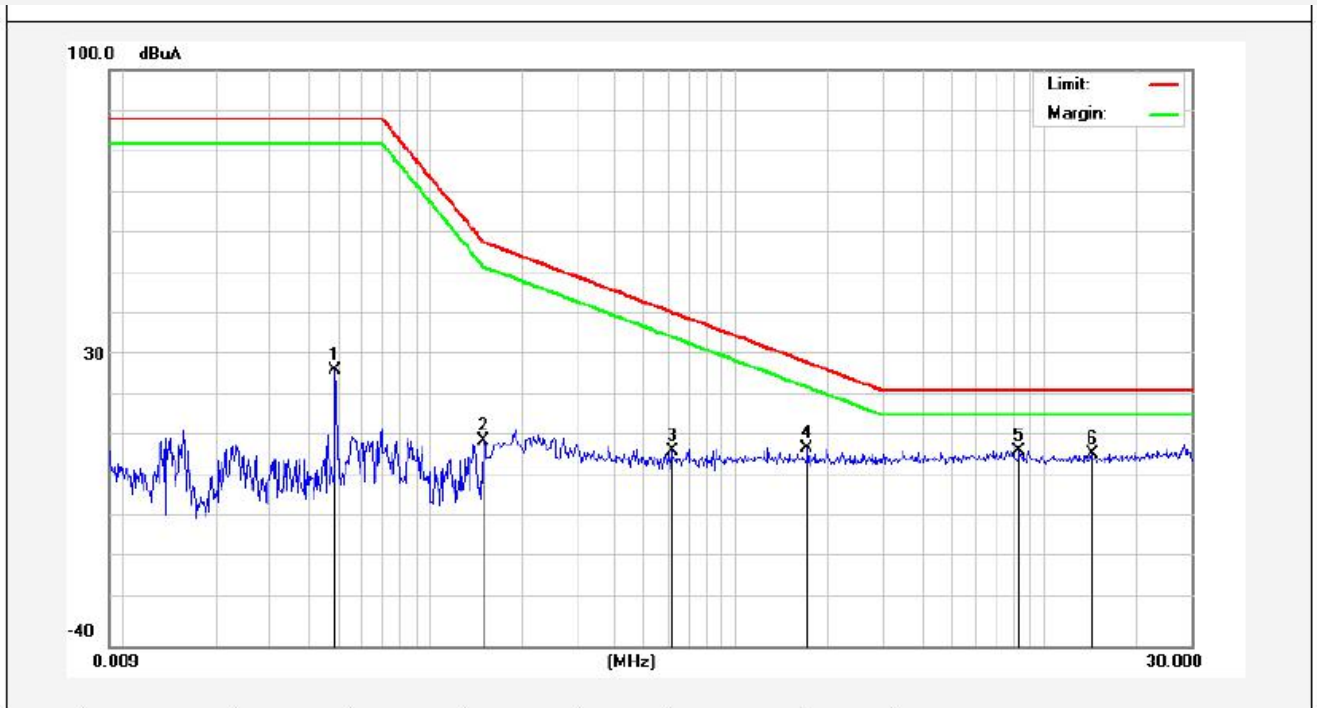


No.	Freq. (MHz)	Reading (dBuA)	Factor (dB)	Result (dBuA)	Limit dBuA	Over Limit (dB)	Detector	Remark
1	0.0629	13.15	0.02	13.17	88.00	-74.83	QP	
2	0.1859	11.12	0.01	11.13	55.41	-44.28	QP	
3	0.5620	7.74	0.01	7.75	42.12	-34.37	QP	
4	1.6653	7.52	0.01	7.53	29.07	-21.54	QP	
5	7.6379	7.76	0.07	7.83	22.00	-14.17	QP	
6	12.0297	7.51	0.01	7.52	22.00	-14.48	QP	

Note: Result=Reading+Factor Over Limit=Result-Limit

Magnetic Radiated Emission Test

Test Site: 1# Shielded Room
 Test Specification: DC 1.5V
 Comment: Y
 Temp.: 22.2°C Hum.: 59%

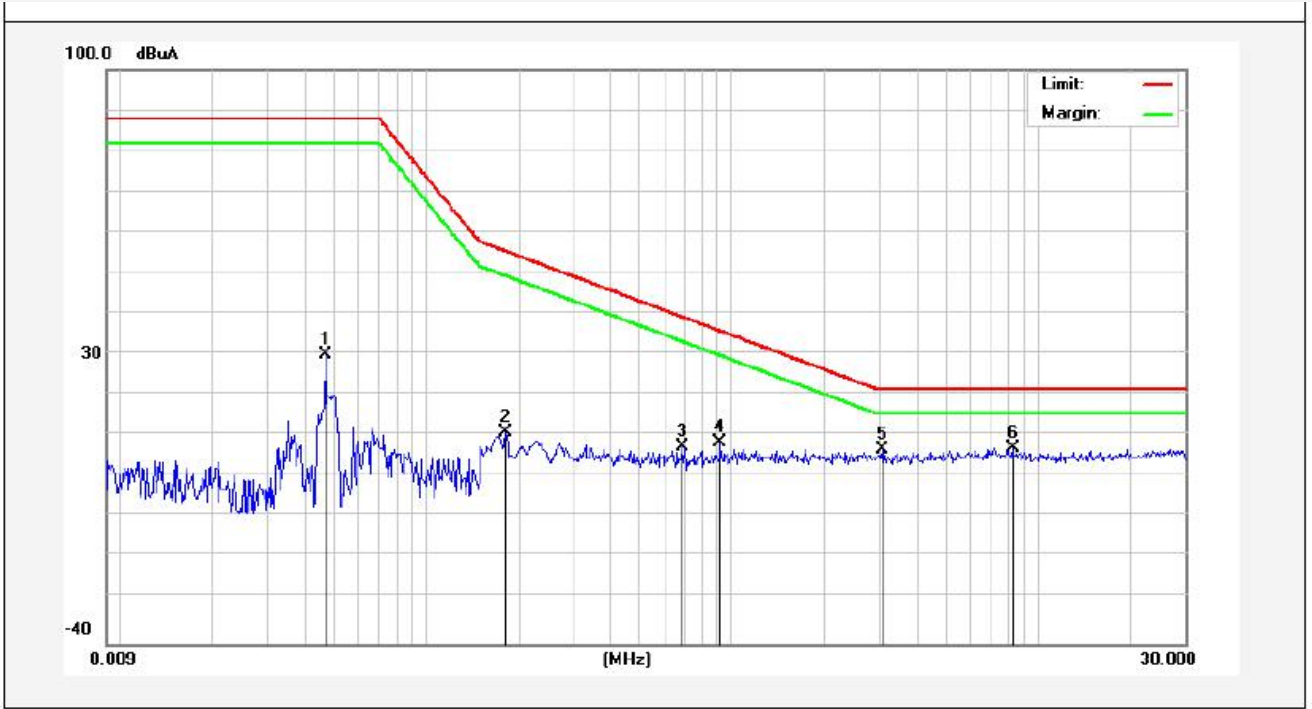


No.	Freq. (MHz)	Reading (dBuA)	Factor (dB)	Result (dBuA)	Limit dBuA	Over Limit (dB)	Detector	Remark
1	0.0492	27.16	0.01	27.17	88.00	-60.83	QP	
2	0.1499	9.90	0.01	9.91	58.00	-48.09	QP	
3	0.6139	7.48	0.01	7.49	41.06	-33.57	QP	
4	1.6854	7.99	0.01	8.00	28.93	-20.93	QP	
5	8.2896	7.49	0.05	7.54	22.00	-14.46	QP	
6	14.2736	6.81	0.02	6.83	22.00	-15.17	QP	

Note: Result=Reading+Factor Over Limit=Result-Limit

Magnetic Radiated Emission Test

Test Site: 1# Shielded Room
 Test Specification: DC 1.5V
 Comment: Z
 Temp.: 22.2°C Hum.: 59%



No.	Freq. (MHz)	Reading (dBuA)	Factor (dB)	Result (dBuA)	Limit dBuA	Over Limit (dB)	Detector	Remark
1	0.0466	30.49	0.01	30.50	88.00	-57.50	QP	
2	0.1819	11.65	0.01	11.66	55.68	-44.02	QP	
3	0.6860	8.23	0.01	8.24	39.73	-31.49	QP	
4	0.9140	9.07	0.02	9.09	36.28	-27.19	QP	
5	3.0899	7.29	0.02	7.31	22.00	-14.69	QP	
6	8.1980	7.67	0.05	7.72	22.00	-14.28	QP	

Note: Result=Reading+Factor Over Limit=Result-Limit

4. Electrostatic Discharge Immunity Test

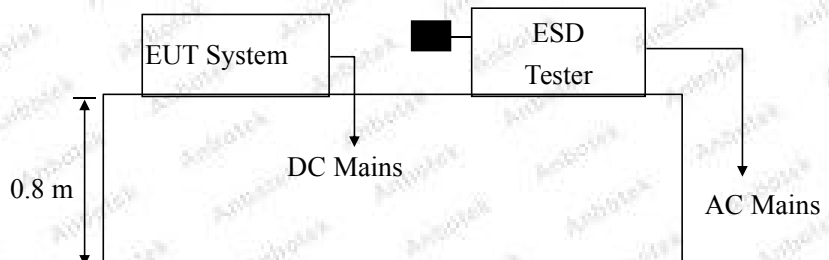
4.1. Test Standard and Level

Test Standard:	EN 61547 (IEC 61000-4-2)
Performance Criterion:	A
Severity Level: 3 / Air Discharge: ±8kV, Level: 2 / Contact Discharge: ±4kV	

Test 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

4.2. Test Setup



4.3. EUT Configuration on Measurement

The following equipments are installed on Electrostatic Discharge immunity Measurement to meet EN 61547 requirements and operating in a manner which tends to maximize its emission characteristics in a normal application.

4.4. Operating Condition of EUT

- 4.4.1. Setup the EUT as shown on Section 4.2.
- 4.4.2. Turn on the power of all equipments.
- 4.4.3. After that, let the EUT work in test mode measure it.

4.5. Test Procedure

4.5.1. 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.

4.5.2. Contact Discharge:

All the procedure shall be same as Section 4.5.1. except that the tip of the discharge electrode shall touch the EUT before the discharge switch is operated.

4.5.3. Indirect discharge for horizontal coupling plane

At least 20 single discharges shall be applied to the horizontal coupling plane, at points on each side of the EUT. The discharge electrode positions vertically at a distance of 0.1m from the EUT and with the discharge electrode touching the coupling plane.

4.5.4. Indirect discharge for vertical coupling plane

At least 20 single discharge shall be applied to the center of one vertical edge of the coupling plane. The coupling plane, of dimensions 0.5m × 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.

4.6. Test Results

PASS

Please refer to the following page.

Electrostatic Discharge Test Results

Air discharge :	±8.0kV	Temperature :	24℃
Contact discharge :	±4.0kV	Humidity :	53%
Power Supply :	DC 1.5V	Criterion required :	A
Test Result :	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		
# For each point positive 10 times and negative 10 times discharge			
Location		Kind A-Air Discharge C-Contact Discharge	Result
Surface Crack	8 points	A	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
Button	4 points	A	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
LED Lamp	4 points	A	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
HCP	4 points	C	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
VCP of the front	4 points	C	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
VCP of the rear	4 points	C	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
VCP of the left	4 points	C	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
VCP of the right	4 points	C	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
Remark: Discharge should be considered on Contact and Air and Horizontal Coupling Plane (HCP) and Vertical Coupling Plane (VCP).			

5. RF Field Strength Susceptibility Test

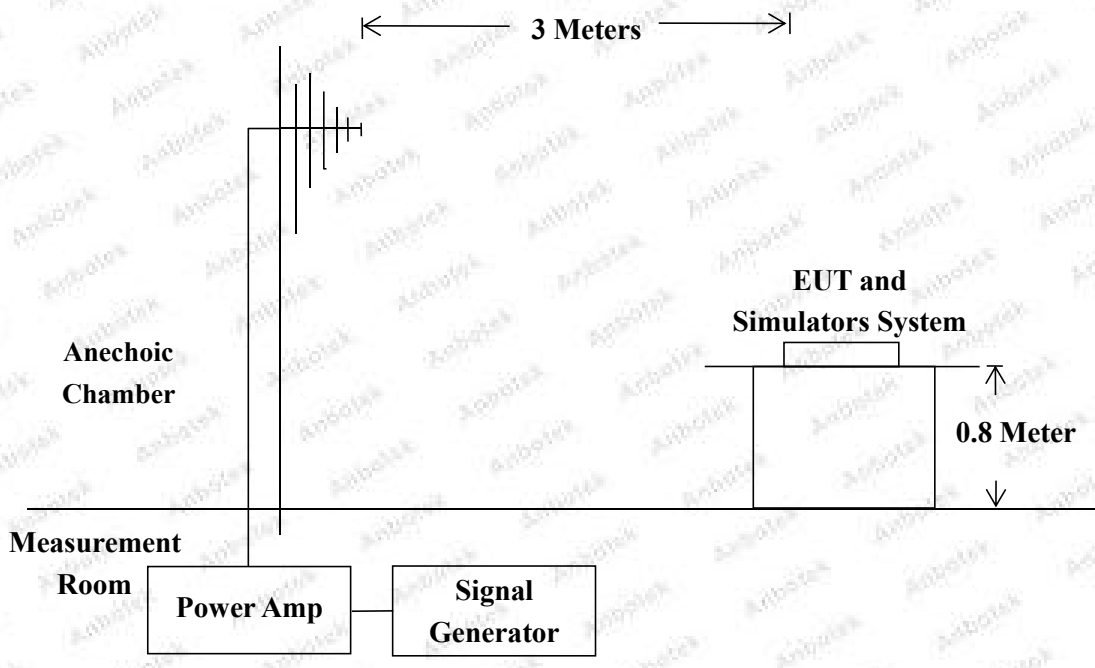
5.1. Test Standard and Level

Test Standard:	EN 61547 (IEC 61000-4-3)
Required Performance:	A
Frequency Range:	80MHz to 1000MHz
Field Strength:	3 V/m
Modulation:	1kHz Sine Wave, 80%, AM Modulation
Frequency Step:	1 % of preceding frequency value
Polarity of Antenna:	Horizontal and Vertical
Test Distance:	3 m
Antenna Height:	1.5 m
Dwell Time:	at least 0.5s

Test Level

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

5.2. Test Setup



5.3. EUT Configuration on Measurement

The following equipments are installed on RF Field Strength susceptibility Measurement to meet EN 61547 requirements and operating in a manner which tends to maximize its emission characteristics in a normal application.

5.4. Operating Condition of EUT

- 5.4.1. Setup the EUT as shown on Section 5.2.
- 5.4.2. Turn on the power of all equipments.
- 5.4.3. After that, let the EUT work in test mode measure it.

5.5. Test Procedure

The EUT and support equipment, which are placed on a table that is 0.8 meter above ground and the testing was performed in a fully-anechoic chamber. The testing distance from antenna to the EUT was 3 meters.

- 1) The field strength level was 3V/m.
- 2) The frequency range is swept from 80 MHz to 1000 MHz with the signal 80% amplitude modulated with a 1kHz sine wave.
- 3) The dwell time at each frequency shall be not less than the time necessary for the EUT to be able to respond, but shall in no case be less than 0.5s.
- 4) The test was performed with the EUT exposed to both vertically and horizontally polarized fields on each of the four sides.

5.6. Measuring Results

PASS

Please refer to the following page.

RF Field Strength Susceptibility Test Results

Field Strength :	3V/m	Temperature :	25°C
Criterion required :	A	Humidity :	55%
Power Supply :	DC 1.5V	Test Result :	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Dwell Time:	1s		

Frequency Range (MHz)	Antenna Polarity	R.F. Field Strength	Azimuth	Result
80~1000	H / V	3 V/m (rms) AM Modulated 1000Hz, 80%	Front	<input checked="" type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
			Rear	
			Left	
			Right	

Remark:

This test item is subcontracted to Shenzhen EMTEK Co., Ltd.
Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P.R.China

Equipment Used:

- 1.Signal generator: Agilent;N5181A;
- 2.Power Amplifier: MILMEGA;80RF1000-175;
MILMEGA: AS0102-55;
MILMEGA: AS1860-50;
- 3.Log.-Per.Antenna: SCHWARZBECK: VULP 9118E;
Broad-Band Hom Antenna: SCHWARZBECK; BBHA9120 L3F.

APPENDIX I -- TEST SETUP PHOTOGRAPH

Photo of Radiated Emission Test



Photo of Magnetic Radiated Emission Test



Photo of Electrostatic Discharge Immunity Test

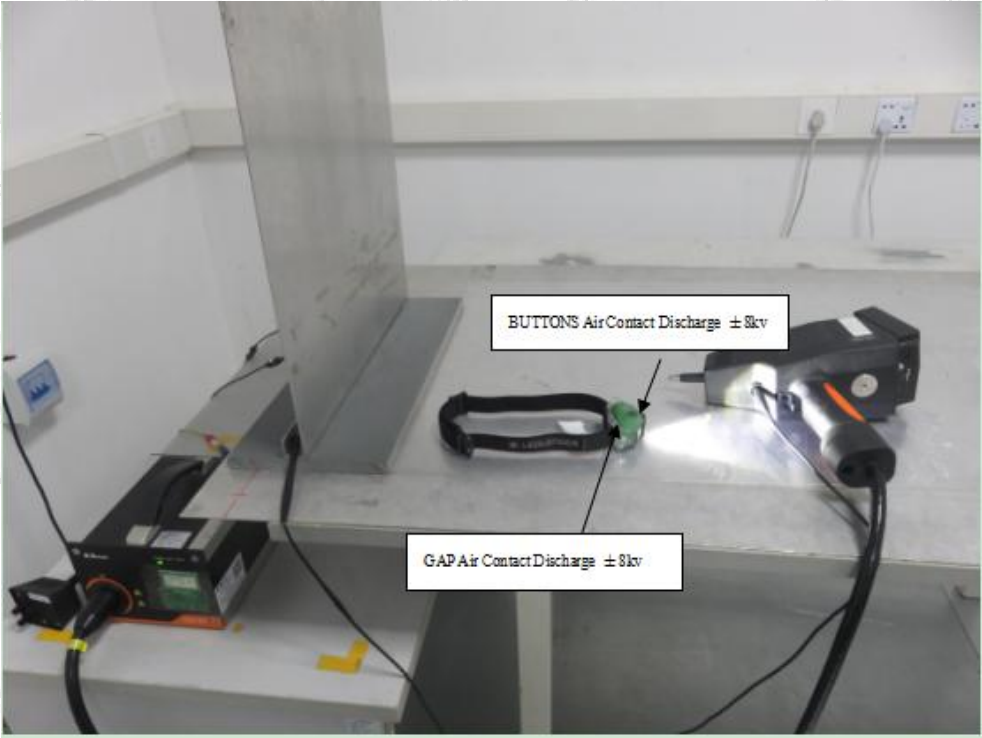
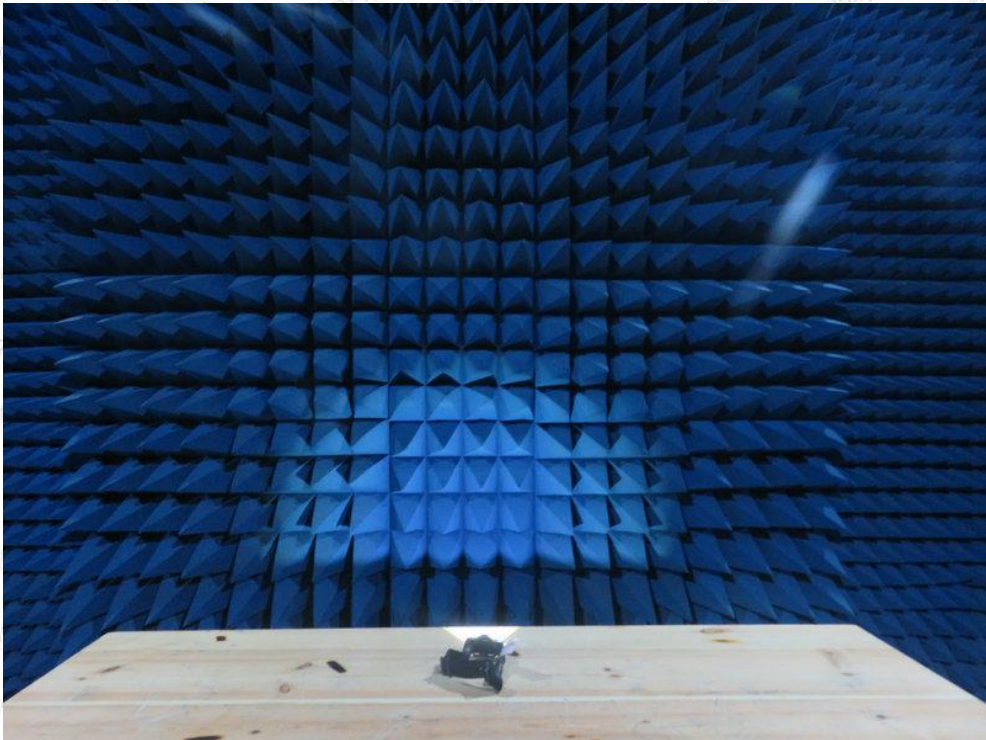


Photo of RF Field Strength susceptibility Test



APPENDIX II -- EXTERNAL PHOTOGRAPH

Model No.: MH4(500949RHG0)



Model No.: MH4(500949RHG0)



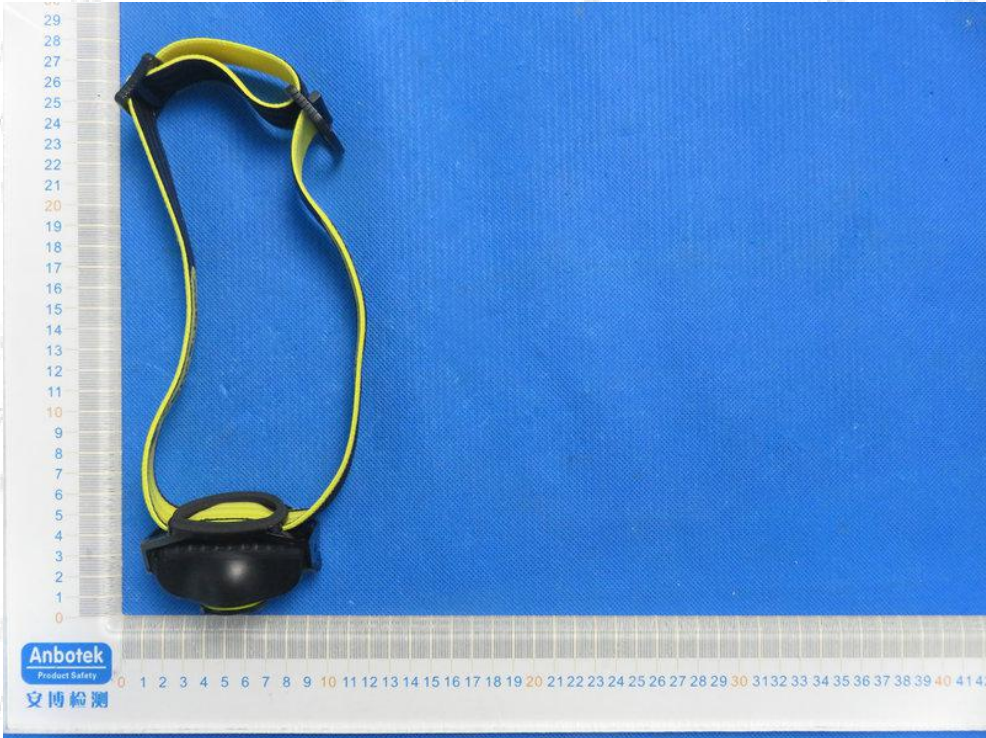
Model No.: MH4(500949RHG0)



Model No.: MH4(500949RHG0)



Model No.: IH5(5020240IL0)



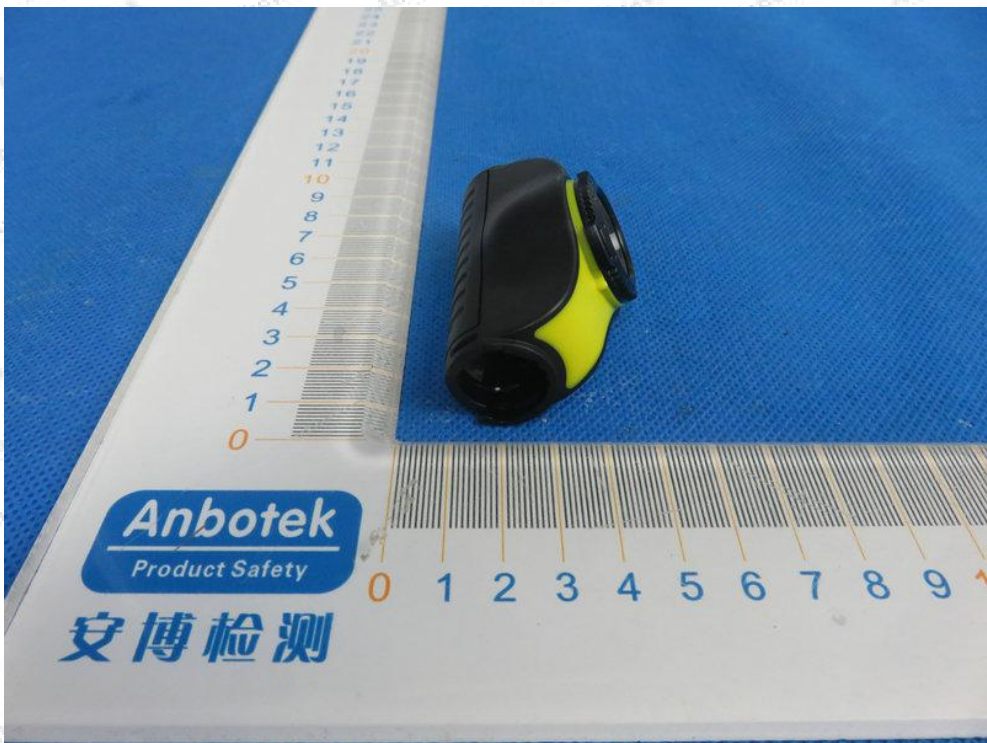
Model No.: IH5(5020240IL0)



Model No.: IH5(5020240IL0)



Model No.: IH5(5020240IL0)



APPENDIX III -- INTERNAL PHOTOGRAPH

Model No.: IH5(5020240IL0)



CE Label

1. The CE conformity marking must consist of the initials 'CE' taking the following form:

If the CE marking is reduced or enlarged, the proportions given in the above graduated drawing must be respected.

2. The CE marking must have a height of at least 5 mm except where this is not possible on account of the nature of the apparatus.

3. The CE marking must be affixed to the product or to its data plate. Additionally it must be affixed to the packaging, if any, and to the accompanying documents.

4. The CE marking must be affixed visibly, legibly and indelibly.

It must have the same height as the initials 'CE'.

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