CERTIFICATE OF EMC

CERTIFICATE NO.: SET2015-01560

Product:	Landing call and 4.3 Inches LCD display board
Model:	BL2000-HEH-L* (*=4-4.99, indicate the different customer or/and Software function number)
Applicant:	ShenYang Bluelight Automatic Technology Co., Ltd.
Address:	No. 37 Shiji Road, Hunnan New District, Shenyang, China

This is to certify that, on the basis of the tests undertaken as per Report No. **SET2015-01560**, the submitted sample of the above item complies with:

EN61000-6-4:2007+A1:2011
EN61000-6-2:2005

and fulfils testing requirement of the EMC directive 2004/108/EC

Signed for and on behalf of
CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.

Wu Li An, Vice Director

Date of Issue: Feb. 06, 2015

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Shenzhen, Guangdong, China
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EMC TEST REPORT

Report No.: SET2015-01560

Product: Lag ala 4.3 Is LCD ly b od

Model No: BL2000-HEH-L* (*=4-4.99, id ae h f s
ad S f m b e)

Applicant: Sa Yag Bg h A d Tg y Co, Ld

Address: No37 S J Ro, Ha N D S g, Ch

查询码：6PA7ZB5b

Report

Product. .....:	Landing call and 4.3 Inches LCD display board
Model No. ……..:	BL2000-HEH-L* (*=4-4.99, indicate the different customer or/and Software function number)
Brand Name……..:	/
Applicant……..:	

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1 General Information

1.1 Description of EUT

Product: Laptop with 14.3 inch LCD display and keyboard

Model No.: BL2000-HEH-L4

Brand Name: /

Serial No.: /

Rating: Input 24V DC

Accessories: /

NOTE:

1.

2.3 Test Standards and Results

The EUT has been tested according to the following

EMISSION		
Standard	**Test Type**	**Result**
EN61000-6-4:2007+A1:2011	Radiated	PASS
IMMUNITY (EN61000-6-2:2005)		
Basic Standard	**Test Type**	**Result**
IEC 61000-4-2	Electrostatic discharge	PASS
IEC 61000-4-3	Radiated, radio-frequency, electromagnetic field immunity	PASS
IEC 61000-4-4	Electrical fast transient/burst	PASS
IEC 61000-4-5	Surge	PASS
IEC 61000-4-6	Immunity to conducted disturbances, induced by RF fields	PASS
IEC 61000-4-8	Power frequency magnetic field	PASS

2.4 List of Equipments Used

Description	Manufacturer	Model No.	Calibration Date	Serial No.
Test Receiver	ROHDE&SCHWARZ	ESCI	June 10, 2015	A0902601
Broad band Antenna	ROHDE&SCHWARZ	VULB 09160	June 10, 2015	A0805560
Active Broad band Antenna				

3 Emission Test

3.1 EUT Setup and Operating Conditions

The EUT was supplied by 24V DC and the EUT was operated in the

3.2 Radiated Disturbance Measurement

3.2.1 Limits of Radiated Disturbance

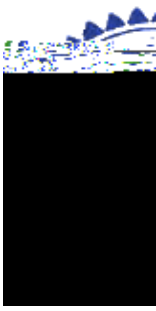
Frequency range (MHz)	Quasi peak limits(dBμV/m), at 10m measurement distance
30 -230	40
230 - 1000	47

Notes:

(1) The

(2)





1.

2.

4 Immunity Test

4.1 EUT Setup and Operating Conditions

Same as 3.1.

4.2 Performance Criteria

Criterion A	The apparatus shall be tested. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended.
Criterion B	The apparatus shall be tested. After the test, no degradation of performance or loss of function is allowed below a performance level specified by the manufacturer, when the apparatus is used as intended.
Criterion C	Temporary 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 instructions.

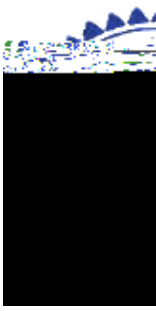
4.3 Electrostatic Discharge Immunity Test

4.3.1 Test Specification

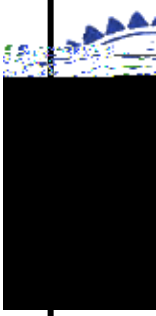
Basic Standard:	IEC 61000-4-2
Discharge Impedance	330 Ω / 150 pF
Discharge Voltage:	Air Discharge: 8 kV Contact Discharge: 4 kV
Polarity:	Positive / Negative
Number of Discharge:	Minimum 20 times at each point
Discharge Mode:	Single discharge
Discharge Period:	1 second minimum
Criterion:	B

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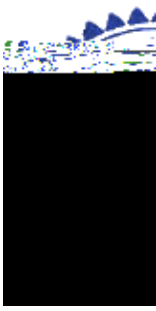


4.4.3 Test Result

Frequency	Polarity	Azimuth	Field Strength (V/m)	Observation	Comply with Criterion
80-1000 MHz	V&H	0,90, 80, 270	10	No(1)	A
1.4-2.0GHz	V&H	0,90, 80, 270	3	No(1)	A
2.0-2.7GHz	V&H	0,90, 80, 270	1	No(1)	A

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4.7 Immunity to Conducted Disturbances Induced by RF Fields

4.7.1 Test Specification

Basic Standard:	IEC 61000-4-6
Frequency Range:	0.15 MHz-80 MHz
Field Strength:	10V
Modulation:	1 kHz Sine Wave, 80%, AM Method

4.8 Power Frequency Magnetic Field Immunity Test

4.8.1 Test Specification

Basic Standard:	IEC 61000-4-8
Frequency Range:	50Hz

Appendix I ÖPhotographs of the EUT

Appendix II ÖPhotographs of EMC Test Configuration

1. Radiated Field Strength Measurement

2. Electrostatic Discharge Immunity Test

3. Radiated, Radio Frequency Electromagnetic Field Immunity Test (below 1GHz)

4. Radiated, Radio Frequency Electromagnetic Field Immunity Test (above 1GHz)

5. Electrical Fast Transient/Burst Immunity Test

6. Surge Immunity Test

7. Immunity to Conducted Disturbances Induced by RF Fields

8. Power Frequency magnetic Field Immunity

STATEMENT



This test laboratory is accredited by CNAS, Accreditation Certificate No.L1659.

2.