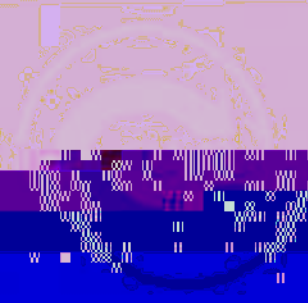




CERTIFICATE OF EMC

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

Wu Li An, Vice Director



Date of Issue: Feb. 06, 2015

CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd.
Building 2029, Shijie Park, Xinhua Road, Nanhai District,
Shenzhen, Guangdong, China
Tel: 86-755-26627338 Fax: 86-755-26627238 <http://www.ccic-set.com>

EMC TEST REPORT

Report No.: SET2015-01560

Product: Laptop 4.3 inch LCD display board

Model No: BL2000-HEH-L* (*=4-4.99, indicate the size of the screen)

Applicant: Shenzhen Brightway Co Ltd

Address: No37 Shijie Road, Nanhai District, Sheng, China



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.....:



Table of Contents

Report.....	2
1 Callion.....	5
1.1 DEUT.....	5
1.2 O b z.....	5
2 Test and Cgnb.....	
2.1 EnCh.....	
2.2 Measur.....	
2.3 Test and Re.....	
2.4 LFEHd.....	7
3 Ems.....	8
3.1 EUT Spndpg Cb.....	8
3.2 RailDs b adMen.....	8
3.2.1 LFEHd b aa.....	8
3.2.2 TSp.....	8
3.2.3 TRb.....	9
4 Ims.....	11
4.1 EUT Spndpg Cb.....	11
4.2 PmCa.....	11
4.3 EnDag yms.....	11
4.3.1 TSpb.....	11
4.3.2 TSp.....	12
4.3.3 TRb.....	12
4.4 RailRailFgn ag Fgn.....	13
4.4.1 TSpb.....	13
4.4.2 TSp.....	13
4.4.3 TRb.....	14

4.5 El Fa Ta B D T	14
4.5.1 T S P	14
4.5.2 T S P	14
4.5.3 T R P	15
4.6 S g d T	15
4.6.1 T S P	1
4.6.2 T S P	1
4.6.3 T R P	1
4.7 I n C D b a d b y R F F	16
4.7.1 T S P	16
4.7.2 T S P	16
4.7.3 T R P	16
4.8 P r M a g F H T	17
4.8.1 T S P	17
4.8.2 T S P	17
4.8.3 T R P	17
A p Ö p a n E U T	18
A p Ö p a n E M C T c g n	19

1 General Information

1.1 Description of EUT

Product: Large 4.3 inch LCD display board

Model No.: BL2000-HEH-L4

Brand Name: /

Serial No.: /

Rating: 1p24V DC

Accessories: /

NOTE:

1.

2.3 Test Standards and Results

TEST has been conducted by

EMISSION		
Standard	Test Type	Result
EN61000-6-4:2007+A1:2011	Radiated b a	PASS
IMMUNITY (EN61000-6-2:2005)		
Basic Standard	Test Type	Result
IEC 61000-4-2	Electrostatic Discharge	PASS
IEC 61000-4-3	Radiated Immunity	PASS
IEC 61000-4-4	Electromagnetic Interference	PASS
IEC 61000-4-5	Surge	PASS
IEC 61000-4-6	Immunity b a b y RF	PASS
IEC 61000-4-8	Power Line Harmonics	PASS

2.4 List of Equipments Used

Description	Manufacturer	Model No.	Calibration Date	Serial No.
TRV ROHDE&SCHWARZ ESCI	ROHDE&SCHWARZ	ESCI	Jul 10, 2015	A0902601
Bad b arA ABad b a5	ROHDE&SCHWARZ	VULB 09160	Jul 10, 2015	A0805560

3 Emission Test

3.1 EUT Setup and Operating Conditions

TEUT as b y24V DC in TEU T as b b

3.2 Radiated Disturbance Measurement

3.2.1 Limits of Radiated Disturbance

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

Notes:

- (1) The lab is
- (2)



1. Eligibility b sample and pin Val

2. Eligibility b sample and pin Val

4 Immunity Test

4.1 EUT Setup and Operating Conditions

See 3.1.

4.2 Performance Criteria

Criterion A	The apparatus shall not be affected by the test conditions specified in the test plan.
Criterion B	The apparatus shall not be affected by the test conditions specified in the test plan.
Criterion C	The apparatus shall not be affected by the test conditions specified in the test plan.

4.3 Electrostatic Discharge Immunity Test

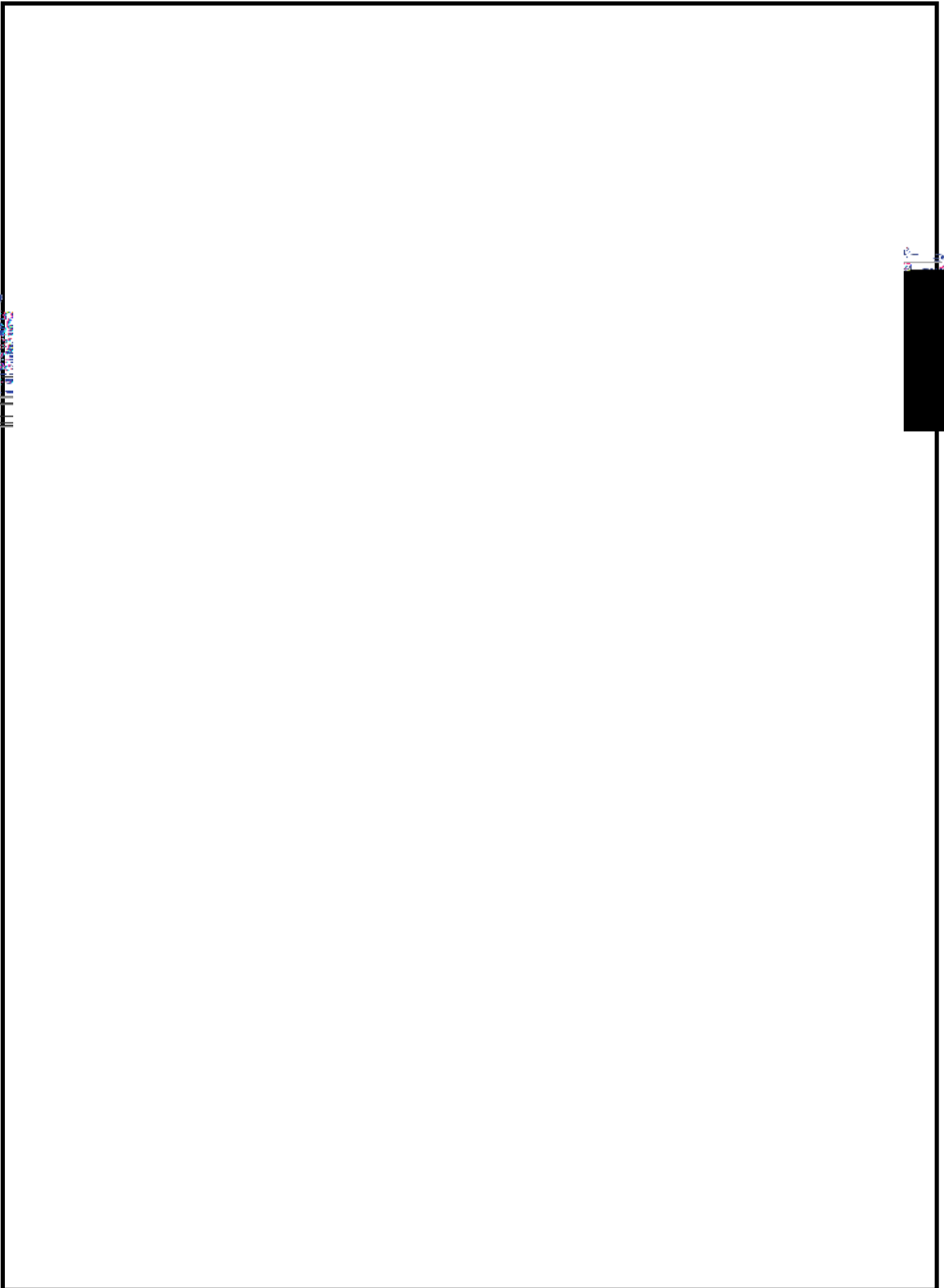
4.3.1 Test Specification

Basic Standard:	IEC 61000-4-2
Discharge Impedance	330 Ω / 150 Ω
Discharge Voltage:	Air Discharge 8 kV Contact Discharge 4 kV
Polarity:	Positive and Negative
Number of Discharge:	Min 10 discharges
Discharge Mode:	Singlet
Discharge Period:	1-5 min
Criterion:	B

RpNo

SET2015-01560





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	N(1)	A
1.4-2.0GHz	V&H	0,90, 80, 270	3	N(1)	A
2.0-2.7GHz	V&H	0,90, 80, 270	1	N(1)	A

RpNo

SET2015-01560



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 Hz Sin Wave 80%, AM Mod

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.