

EMC TEST REPORT

For

Shenzhen New Huayi Instrument Co., Ltd

Digital Lux Meter

Model No. : MS6612

Prepared for : Shenzhen New Huayi Instrument Co., Ltd Address : F3, Block 2, Instrument World Industrial Park, Guiyue Road, Longhua New District, Shenzhen City

Prepared By : Shenzhen Certification Technology Service Co., Ltd. Address : 2F, Building B, East Area of Nanchang Second Industrial Zone, Gushu 2nd Road, Bao'an District, Shenzhen 518126, P.R. China

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Report Number Date of Receipt Date of Test Date of Report CSTE140218084 February 20, 2014 February 20, 2014 February 21, 2014

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TEST REPORT VERIFICATION

Applicant Manufacturer

- : Shenzhen New Huayi Instrument Co., Ltd
- Shenzhen New Huayi Instrument Co., Ltd

EUT Description

- : Digital Lux Meter
- (A) Model No. : MS6612 (B) Trademark HYELEC DC 9V (C) Ratings Supply : DC 9V From Battery (D) Test Voltage

Measurement Standard Used:

EN 61326-1: 2013 EN 61326-2-2: 2013 (IEC 61000-4-2:2008, IEC 61000-4-3:2006+A1:2007+A2:2010.)

The device described above is tested by Shenzhen Certification Technology Service Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The test results are contained in this test report and Shenzhen Certification Technology Service Co., Ltd. is assumed full responsibility for the accuracy and completeness of test. Also, this report shows that the EUT is technically compliant with the EN 61326-1 and EN 61326-2-2 requirements.

This report applies to above tested sample only.

Tested by (name + signature).....:

Sky Chen Test Engineer



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Approved by (name + signature)......

Simple Guan Project Manager

Date of issue.....

February 21, 2014



EMICCION

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			Results	
Description of Test Item	Standard	Lin	Limits		
Conducted disturbance at mains terminals	EN 61326-1: 2013	Clas	Class B		
Conducted disturbance at telecommunication port	EN 61326-1: 2013	Clas	ss B	N/A	
Radiated disturbance	EN 61326-1: 2013	Clas	s B	PASS	
Harmonic current emissions	EN 61000-3-2:2006+ A1:2009+A2:2009	Clas	s A	N/A	
Voltage fluctuations & flicker	EN 61000-3-3:2013	Secti	on 5	N/A	
	IMMUNITY (EN 61326-2-2	: 2013)			
Description of Test Item	Basic Standard	Performance Criteria	Observation Criteria	Results	
Electrostatic discharge (ESD)	IEC 61000-4-2:2008	B	в 🍦	PASS	
Radio-frequency, Continuous radiated disturbance	IEC 61000-4-3:2006+A1:2007+ A2:2010	A	A	PASS	
Electrical fast transient (EFT)	IEC 61000-4-4:2012	В	N/A	N/A	
Surge (Input a.c. power port)	UFC (1000 4 5-2005	В	N/A	N/A	
Surge(Telecommunication	IEC 61000-4-5:2005	В	N/A	N/A	
Radio-frequency,Continuous conducted disturbance	IEC 61000-4-6:2008	A	N/A	N/A	
Power frequency magnetic field	IEC 61000-4-8:2009	Α	A	PASS	
Voltage dips, >95% reduction	- Contraction	В	N/A	N/A	
Voltage dips, 30% reduction	IEC 61000-4-11:2004	C	N/A	N/A	
Voltage interruptions		C	N/A 📃	N/A	

N/A is an abbreviation for Not Applicable.



2. GENERAL INFORMATION

2.1. Description of Device (EUT)

Description

: Digital Lux Meter

Classification Model Number Class III MS6612

HYELEC

Trademark

Applicant Address Shenzhen New Huayi Instrument Co., Ltd

Shenzhen New Huayi Instrument Co., Ltd

F3, Block 2, Instrument World Industrial Park, Guiyue Road, Longhua New District, Shenzhen City

F3, Block 2, Instrument World Industrial Park, Guiyue Road,

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Manufacturer Address

Sample Type

:

Longhua New District, Shenzhen City Prototype production



2.2. Tested Supporting System Details

No.	Description	Manufacturer	Model	Serial Number		
1.	N/A	N/A	N/A	N/A	<u>\!!</u>	
					Incation	

	Signal Cable Description of the above Support Units									
No.	Port Name	Cable	Length	Shielded (Yes or No)	Detachable (Yes or No)					
1	N/A	N/A	N/A	N/A	N/A					

2.3. Block Diagram of connection between EUT and simulators

For EMI Tests



For EMS Tests



※ EUT: Digital Lux Meter

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2.4. Test Facility

2.4.1. Laboratory Name:

Shenzhen Certification Technology Service Co., Ltd.

2.4.2. Site Location :

2F, Building B, East Area of Nanchang Second Industrial Zone, Gushu 2nd Road, Bao'an District, Shenzhen 518126, P.R. China

2.4.3. Test facility:

JAN 13, 2012 File on Federal Communication Commission Registration Number:197647

October 11, 2011 Certificated by IC Registration Number: 8528B

2.5. Measurement Uncertainty

(95% confidence levels, k=2)

Uncertainty			
2.50dB			
3.04 dB (Distance: 3m Polarize: V)			
3.02 dB (Distance: 3m Polarize: H)			
3.56 dB (Distance: 3m Polarize: V)			
3.84 dB (Distance: 3m Polarize: H)			
0.05%			
1.8%			
1.30dB			
0.88dB			
0.6°C			
3%			

2.6. Test mode Description

No. Test Mode					
※ 1.	Running	1			
Note:	is worst case mode, so is report only reflected the worst mode				

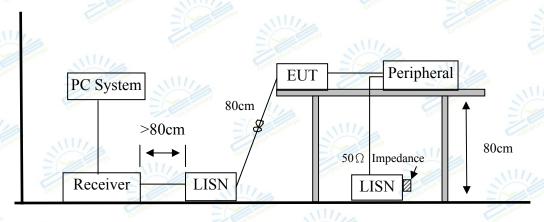


3. CONDUCTED DISTURBANCE AT MAINS TERMINALS TEST

3.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde&Schwarz	ESCI	100843	Oct. 31, 12	1 Year
2.	L.I.S.N.	Schwarzbeck	NSLK8126	8126466 🧹	Oct. 31, 12	1 Year
3.	Terminator	Hubersuhner	50	NO.1	Oct. 31, 12	1 Year
4.	RF Cable	Schwarzbeck	9111505/200	5995-12-161-6 890#	Oct. 31, 12	1 Year 🍃
5.	Coaxial Switch	Schwarzbeck	CX-210	N/A	Oct. 31, 12	1 Year
6.	Pulse Limiter	Schwarzbeck 🧾	VTSD9516F	9618	Oct. 31, 12	1 Year

3.2. Block Diagram of Test Setup



3.3. Test Standard

EN 61326-1: 2013

3.4. Power Line Conducted Disturbance at Mains Terminals Limit

	Maximum RF Line Voltage			
Frequency	Quasi-Peak Level	Average Level		
	dB(µV)	dB(µV)		
150kHz ~ 500kHz	66~56*	56~46*		
500kHz ~ 5MHz	56	46		
5MHz ~ 30MHz	60	50		

Notes: 1. Emission level=Read level+LISN factor-Preamp factor+Cable loss

- 2 * Decreasing linearly with logarithm of frequency.
- 3. The lower limit shall apply at the transition frequencies.



3.5. EUT Configuration on Test

The following equipments are installed on Conducted Emission Test to meet EN 61326-1 requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

- 3.5.1. Support Equipment : As Tested Supporting System Detail, in Section 2.2.
- 3.6. Operating Condition of EUT
 - 3.6.1. Setup the EUT and simulator as shown as Section 3.2.
 - 3.6.2. Turned on the power of all equipment.
 - 3.6.3. Let Digital Lux Meter (EUT) work in test mode and measure it.
- 3.7. Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). This provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.#2). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to EN 61326-1 on conducted Disturbance test.

The bandwidth of test receiver (R & S ESHS20) is set at 10kHz. The frequency range from 150kHz to 30MHz is checked. The test results are reported and test results for Conducted Disturbance Test on Section 3.8.

3.8. Conducted Disturbance at Mains Terminals Test Results

EUT Supply by DC Power, So it not applicable.



4. RADIATED DISTURBANCE TEST

4.1. Test Equipments

4.1.1. For frequency range 30MHz~1000MHz (At Semi Anechoic Chamber)

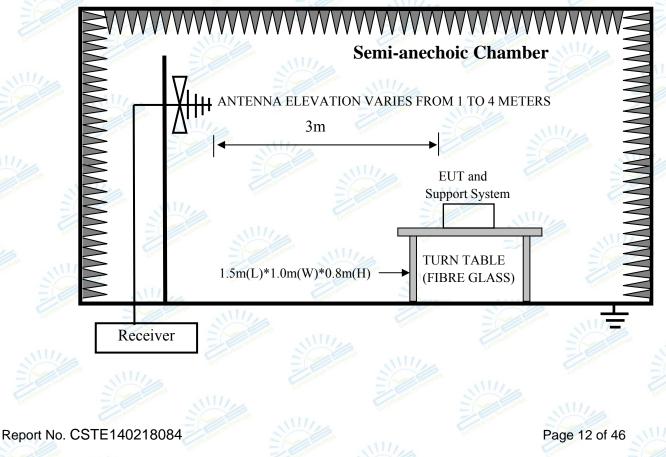
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Test Receiver	Rohde&Schwarz	ESCI	101165 🧹	Oct. 31, 12	1 Year
2	Amplifier	Schwarzbeck	BBV9743	9743-019	Oct. 31, 12	1 Year
3	Bilog Antenna	Schwarzbeck 🧹	VULB 9168	VULB9168-438	Feb. 10, 13	1 Year
4	RF Cable	Schwarzbeck	AK9515E 🧷	95891-2m	Oct. 31, 12	1 Year
5	RF Cable	Schwarzbeck	AK9515E	95891-11m	Oct. 31, 12	1 Year
6	RF Cable	Schwarzbeck	AK9515E	95891-0.5m	Oct. 31, 12	1 Year

4.1.2. For frequency range 1GHz~6GHz (At Semi Anechoic Chamber)

	100 m			an li		Carte
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum 🥢 Analyzer	Agilent	E4407B	MY49510055	Oct. 31, 12	1 Year
2	Horn Antenna	Schwarzbeck	BBHA 9120 D	BBHA 9120 D(1201)	Jun. 8, 12	1 Year
3	Amplifier	Quietek	AP-180C	CHM-0602012	Oct. 31, 12	1 Year
4	RF Cable	Resenberger	Cable 4	N/A	Oct. 31, 12	1 Year
5.11/	RF Cable	Resenberger	Cable 5	N/A	Oct. 31, 12	1 Year
6	RF Cable	Resenberger	Cable 6	N/A	Oct. 31, 12	1 Year
			1			

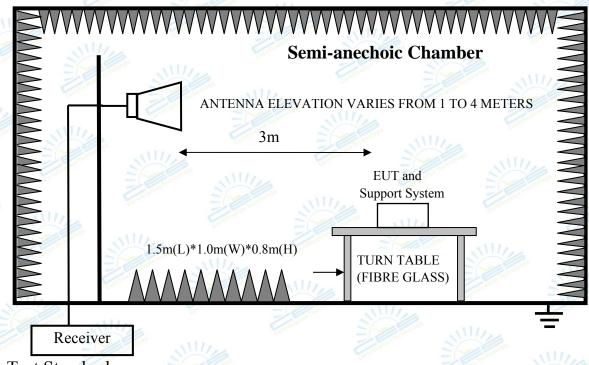
4.2. Block Diagram of Test Setup

4.2.1. In Semi Anechoic Chamber (3m) Test Setup Diagram for 30MHz~1000MHz





4.2.2. In Semi Anechoic Chamber (3m) Test Setup Diagram for 1-6GHz



4.3. Test Standard

EN 61326-1: 2013

4.4. Radiated Disturbance Limit

All emanations from a Class A computing devices or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

ΥĽ	control octow.		
	FREQUENCY	DISTANCE	FIELD STRENGTHS LIMITS
2	(MHz)	(Meters)	$(dB\mu V/m)$
Γ	30 ~ 230	3	40
	230~1000	3	47 29
	1000~3000	3	70(Peak) 50(Average)
2	3000~6000	3	74(Peak) 54(Average)

Note: (1) Emission level = Read level+Antenna Factor-Preamp Factor +Cable Loss

- (2) The lower limit shall apply at the transition frequencies.
- (3) Distance refers to the distance in meters between the test instrument antenna and the closed point of any part of the E.U.T.

4.5. EUT Configuration on Test

The EN 61326-1 Class B regulations test method must be used to find the maximum emission during Radiated Disturbance test. The configuration of EUT is same as used in Conducted Disturbance test. Please refer to Section 3.5.

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4.6. Operating Condition of EUT

- 4.6.1. Setup the EUT and simulator as shown as Section 4.2.
- 4.6.2. Turned on the power of all equipment.
- 4.6.3. Let Digital Lux Meter (EUT) work in test mode (Measuring Voltage, Measuring Current and Short) and measure it.

4.7. Test Procedure

The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber. An antenna was located 3m & 3m from the EUT on an adjustable mast. A pre-scan was first performed in order to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT were rotated and the antenna height was varied between 1m and 4m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all the interface cables were changed according to EN 61326-1 on Radiated Disturbance test.

The bandwidth setting on the test receiver (ROHDE&SCHWARZ TEST RECEIVER ESCI) is 120 kHz.

The resolution bandwidth of the Agilent Spectrum Analyzer E4446A was set at 1MHz. (For above 1GHz)

The frequency range from 30MHz to 1000MHz was pre-scanned with a peak detector and all final readings of measurement from Test Receiver are Quasi-Peak values.

The frequency range from 1GHz to 6GHz was checked with peak and average detector, measurement distance is 3m in 3m chamber.

Finally, selected operating situations at Semi Anechoic Chamber measurement, all the test results are listed in section 4.8.

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4.8. Radiated Disturbance Test Results

PASS. (All emissions not reported below are too low against the prescribed limits.)

The EUT with the following test mode was tested and read QP values and average values, the test results are listed in next pages.

Temperature: 24.2° Humidity: 54%The details of test mode is as follows :

SALL I	No.	Test Mode
	1.	Running

For frequency range 1GHz~6GHz

The highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz. So the frequency rang 1GHz-6GHz radiation test not applicable.

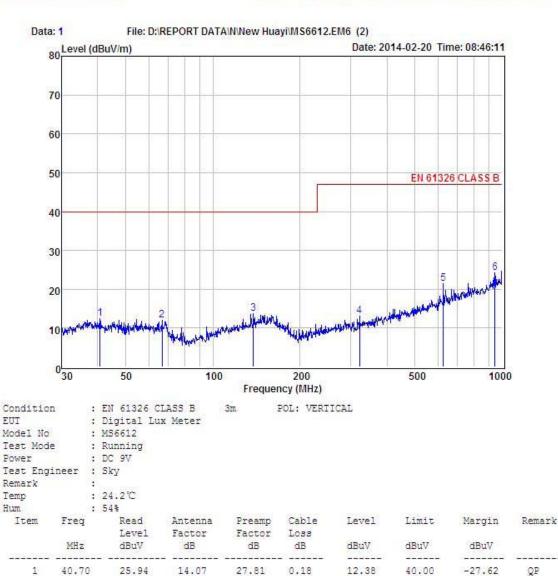
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Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

11.21

13.37

13.33

18.80

22.09

26.98

26.90

27.22

27.82

27.62

0.28

0.41

0.47

1.11

1.19

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2

3

4

5

6

66.73

137.90

321.06

625.08

942.13

27.39

26.80

26.55

29.32

28.57

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-28.10

-26.32

-33.87

-25.59

-22.77

40.00

40.00

47.00

47.00

47.00

11.90

13.68

13.13

21.41

24.23

QP

QP

QP QP

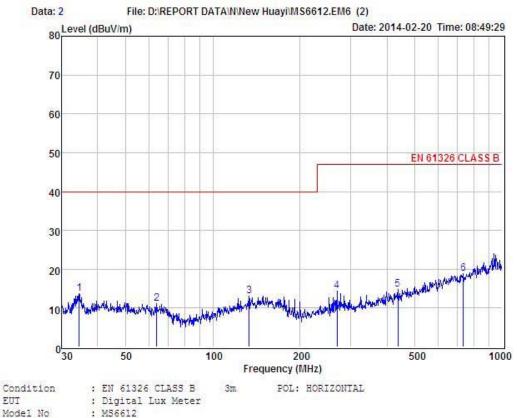
QP

1111





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Test Mod Power Test End Remark Temp	de		Running DC 9V Sky 24.2°C							
Hum			54%							
Item	Freq		Read Level	Antenna Factor	Preamp Factor	Cable Loss	Level	Limit	Margin	Remark
	MHz		dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	34.5	2	27.81	13.33	27.58	0.13	13.69	40.00	-26.31	QP
2	63.9	в	26.32	11.98	27.43	0.24	11.11	40.00	-28.89	QP
3	133.6	2	26.60	12.93	26.89	0.50	13.14	40.00	-26.86	QP
4	268.4	9	28.88	12.03	27.14	0.70	14.47	47.00	-32.53	QP
5	435.5	9	26.02	15.63	27.47	0.51	14.69	47.00	-32.31	QP QP
6	734.4	9	25.09	20.09	27.71	1.30	18.77	47.00	-28.23	QP

Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

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EUT

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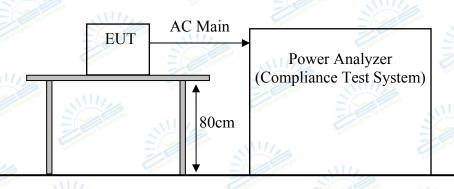


5. HARMONIC CURRENT TEST

5.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
··· 1.	Harmonics&Flicker	Voltech	PM6000 🥭	200006700	Nov. 1, 12	1 Year
	Analyser	and all and a set of the	Cer	495 🍃	Callon Technik	North Contraction

5.2. Block Diagram of Test Setup



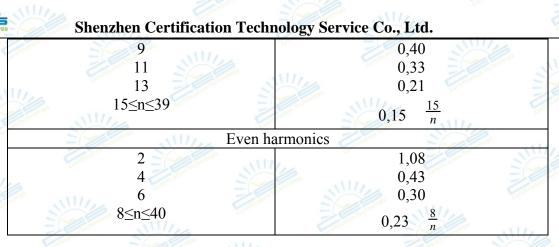
5.3. Test Standard

EN 61000-3-2: 2006+A1:2009+A2:2009; Class A

5.4. Limits of Harmonic Current

	Limits for Class D Equipment		
Harmonic order (n)	Maximum permissible harmonic current per watt (mA/W)	Maximum permissible harmoni current (A)	
3	3.4	0.23	
5	1.9	1.14	
7	1.0	0.77	
9	0.5	0.40	
11	0.35	0.33	
13	0.30	0.21	
15≤n≤39 (odd harmonic only)	3.85/n	0.15×15/n	

		Limit	s for Class A equi	ipment			
	Harr	nonic order		Maximum permissible Harmonic current			
89°		n		Α			
	Certifican	Electronogen	Odd harmonics		and the allow	1	
110		3	E Const	2,3	0	The show Ter	
echne ogu		5	Zinana N	1,1	4	Certon	
		7	1	0,7	7		



Limit	ts for Class C equip	ment		
Harmonic order	Maximum per	missible ha	rmonic curre	ent
	expressed as a pe	ercentage of	the input cu	rrent
	at the fu	ndamental :	frequency	
n		%		
2	Realized NIIIII	2	Contraction .	
3	and E Steamanage	30 · λ *		
15/	Connection	10		
= 7	1.0	7		
9	2	5		
11≤n≤39	S COM	3		
(odd harmonics only)	- Technold	111/1/10		Certifi
* λ is the circuit power factor				
	0	ames	Pen-9	

5.5. Operating Condition of EUT

Same as Section 3.6. except the test setup replaced by Section 5.2.

5.6. Test Procedure

The EUT was placed on the top of a wooden table 0.8 meters above the ground and operated to produce the maximum harmonic components under normal operating conditions for each successive harmonic component in turn. The correspondent test program of test instrument to measure the current harmonics emanated from EUT is chosen. The measure time shall be not less than the necessary for the EUT to be exercised.

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5.7. Test Results

EUT Supply by DC Power, So it not applicable.



6. VOLTAGE FLUCTUATIONS & FLICKER TEST

6.1. Test Equipment

Same as Section 5.1.

6.2. Block Diagram of Test Setup

Same as Section 5.2.

6.3. Test Standard

EN 61000-3-3: 2008

6.4. Limits of Voltage Fluctuation and Flick

Test Item	Limit	Note Pst means Short-term flicker indicator			
P _{st}	1.0				
P _{lt}	0.65	P _{lt} means long-term flicker indicator			
T _{dt}	0.2	T _{dt} means maximum time that dt exceeds 3%			
d _{max} (%)	4%	d _{max} means maximum relative voltage change.			
d _c (%)	3%	d _c means relative steady-state voltage change.			

6.5. Operating Condition of EUT

Same as Section 5.5.

6.6. Test Procedure

The EUT was placed on the top of a wooden table 0.8 meters above the ground and operated to produce the most unfavorable sequence of voltage changes under normal conditions During the flick measurement, the measure time shall include that part of whole operation changes. The observation period for short-term flicker indicator is 10 minutes and the observation period for long-term flicker indicator is 2 hours.

6.7. Test Results

EUT Supply by DC Power, So it not applicable.

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7. IMMUNITY PERFORMANCE CRITERIA

Performance Level

The test results shall be classified in terms of the loss of function or degradation of performance of the equipment under test, relative to a performance level by its manufacturer or the requestor of the test, or the agreed between the manufacturer and the purchaser of the product.

- Definition related to the performance level:
- 1. Based on the used product standard
- 2. Based on the declaration of the manufacturer, requestor or purchaser

Performance criterion A

When seen from the normal viewing distance, the EUT shall operate with no change beyond the manufacturer's specification, in flicker, colour, focus and jitter (except for the power frequency magnetic field test).

Power frequency magnetic field test

For CRT monitors, the following also applies: The jitter shall be measured using a measuring microscope as specified in 6.6.14 of ISO 9241-3.

The jitter (in mm) shall not exceed the value $\frac{(\text{character height in mm} + 0,3) \times 2,5}{33.3}$ when the CRT

monitor is immersed in a continuous magnetic field of 1A/m (r.m.s.) at one of the power frequencies of 50Hz.

Alternatively, a field of 50A/m may be applied, and a transparent graduated mask used to assess the jitter. In that case, the jitter shall not exceed 50 times the value in the above formula.

NOTE-This test level is used to simplify the measurement of jitter. Lesser values of the test level may be used if non-linearity is experienced, due to, for example, saturation of screening material.

The EUT shall be tested in two positions, both perpendicular to the magnetic field.

Performance criterion B

Screen disturbances during the application of the test are permissible.

Performance criterion C

Failures which are not self-recovered after removal of the external disturbance, but which can be recovered to normal operation by reset or reboot are permissible.

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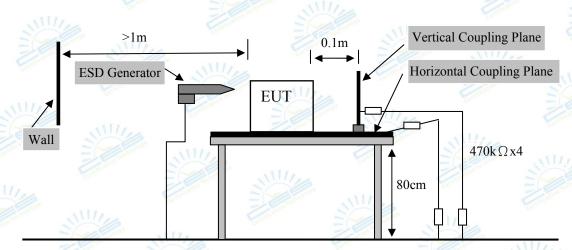


8. ELECTROSTATIC DISCHARGE IMMUNITY TEST

8.1. Test Equipments

Item EquipmentManufacturerModel No.Serial No.Last Cal.Cal. Interva1.ESD TesterHAEFLYPESD1610H310546Nov. 1, 121 Year		3	Certo				incatt
1. ESD Tester HAEFLY PESD1610 H310546 Nov. 1, 12 1 Year	Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
	1.	ESD Tester	HAEFLY	PESD1610	H310546	Nov. 1, 12	1 Year

8.2. Block Diagram of Test Setup



8.3. Test Standard

EN 61326-2-2: 2013 (IEC 61000-4-2: 2008) (Severity Level 1 & 2 & 3 for Air Discharge at 2 kV & 4 kV & 8kV, Severity Level 1 & 2 for Contact Discharge at 2 kV & 4kV)

8.4. Severity Levels and Performance Criterion

8.4.1. Severity level

and the	Level	Test Voltage	Test Voltage
catt		Contact Discharge (kV)	Air Discharge (kV)
	1.	2	2
10	2.	4	4
chinology	3.	6	8,11/,
	4 .	8	15
	X	Special	Special

8.4.2. Performance criterion : B

8.5. EUT Configuration

The configurations of EUT are listed in Section 3.5.

8.6. Operating Condition of EUT

Same as Conducted Emission test that is listed in Section 3.6. except the test set up replaced by Section 8.2.



8.7. Test Procedure

8.7.1. Air Discharge:

The test was applied on non-conductive surfaces of EUT. The round discharge tip of the discharge electrode was approached as fast as possible to touch the EUT. After each discharge, the discharge electrode was removed from the EUT. The generator was re-triggered for a new single discharge and repeated 20 times for each pre-selected test point. This procedure was repeated until all the air discharge completed

8.7.2. Contact Discharge:

All the procedure was same as Section 8.7.1. except that the generator was re-triggered for a new single discharge and repeated 50 times for each pre-selected test point. The tip of the discharge electrode was touching the EUT before the discharge switch was operated.

8.7.3. Indirect discharge for horizontal coupling plane:

At least 20 single discharges were 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.

8.7.4. Indirect discharge for vertical coupling plane:

At least 20 single discharges were applied to the center of one vertical edge of the coupling plane. The coupling plane, of dimensions 0.5m X 0.5m, was placed parallel to, and positioned at a distance of 0.1m from the EUT. Discharges were applied to the coupling plane, with this plane in sufficient different positions that the four faces of the EUT are completely illuminated.

8.8. Test Results

PASS.

The EUT was tested and all the test results are listed in next page.

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Electrostatic Discharge Test Results

Applicant :	Shenzhen New H	luayi Instrument	Co., Ltd	Test Date	:	February	20, 2014
EUT 🦾 :	Digital Lux Mete	er and the	Centur	Temperatu	are :	24℃	
M/N :	MS6612	E Comment	11/10	Humidity	:	56%	1000
Test Voltage :	DC 9V	Comman 1	Contraction of the second	Test Mode	e :	Running	Contraction for
Fest Engineer :	Sky			Pressure		100.6KPa	
Required : Performance	B	Starten Still	1 Anna	Actual Performar	: nce	A	Competence and
11/1/10	ge: ±2kV ±4kV	times discharg # For Contact I 25 times disch essive single disc	Discharge arge	n initial value	e of o	ne second.	
Discharge	Type of	Dischargeable Points			Performanc		Result
Voltage (kV)	discharge	Dischargeaste	I Units	Required	Obs	ervation	(Pass/Fail
±2	Contact			B		A	Pass
±4,,	Contact	Zana ter 1	Nº CE	В		A	Pass
±2	• Air	2, 3,4	Sugar Tachina	В	2	А	Pass
± 4	Air	2, 3,4	Carth	В		A	Pass
± 8	Air	2, 3,4		В	4 1 4	A	Pass
±2,,	HCP-Bottom	Edge of the l	HCP	В	Ç	Α	Pass
±2	VCP-Front	Center of the	VCP	N B		А	Pass
±2	VCP-Left	Center of the	VCP	В	11	A	Pass
± 2	VCP-Back	Center of the VCP		В	E	A	Pass
± 2	VCP-Right	Center of the	VCP	В	Centific	A 🗦	Pass
		Edge of the l	HCP <	В		A 🗧	Pass
±4	HCP-Bottom					1	Pass
	VCP-Front	Center of the		В		A	
±4			VCP 🗾	B B		A A	Pass
±4 ±4	VCP-Front	Center of the	VCP VCP			alos	
±4 ±4 ±4	VCP-Front VCP-Left	Center of the Center of the Center of the Center of the	VCP VCP VCP VCP	B B B B		A M	Pass
±4 ±4 ±4 ±4 ±4	VCP-Front VCP-Left VCP-Back	Center of the Center of the Center of the	VCP VCP VCP VCP	B B B B		A A	Pass Pass
±4 ±4 ±4 ±4 ±4	VCP-Front VCP-Left VCP-Back	Center of the Center of the Center of the Center of the	VCP VCP VCP VCP	B B B B		A A	Pass Pass
$ \begin{array}{c} \pm 4 \\ \end{array} $	VCP-Front VCP-Left VCP-Back VCP-Right	Center of the Center of the Center of the Center of the	VCP VCP VCP VCP	B B B B		A A	Pass Pass
$ \begin{array}{c} \pm 4 \\ \underline{\pm 4} \\ \underline{\pm 4} \\ \underline{1} \\ Screw \end{array} $	VCP-Front VCP-Left VCP-Back VCP-Right	Center of the Center of the Center of the Center of the	VCP VCP VCP VCP ints Desc 5	B B B B		A A	Pass Pass

Discharge was considered on Contact and Air and Horizontal Coupling Plane (HCP) and Vertical Coupling Plane (VCP).

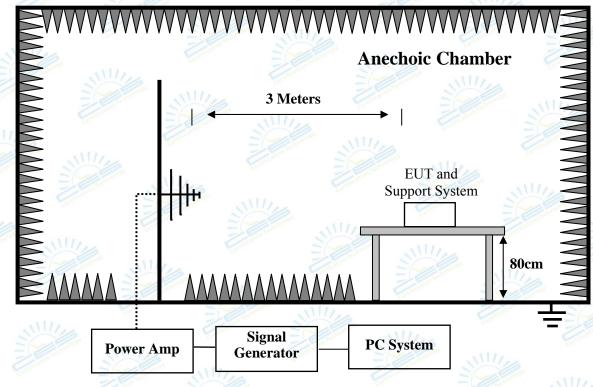


9. RF FIELD STRENGTH SUSCEPTIBILITY TEST

9.1. Test Equipments

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Signal Generator	Marconi	2031B 🥏	11606/058	Oct. 31, 12	1 Year
Amplifier	A&R	100W/1000M1	17028 🗾	NCR	NCR
Isotropic Field Monitor	A&R	FM7004	0325983	NCR 🗦	NCR
Isotropic Field Probe	A&R 🗾	FL7006	0325736	Oct. 31, 12	1 Year
Laser Probe Interface	A&R	FL7000	325430	NCR	NCR 🔗
Power Meter	Anritsu	ML2487A	6k00003262	Oct. 31, 12	1Year
Power Sensor	Anritsu	MA2491A	33005	Oct. 31, 12	1Year
Log-periodic Antenna	A&R	AT1080	16512	NCR 🧹	NCR 🖂
	Signal Generator Amplifier Isotropic Field Monitor Isotropic Field Probe Laser Probe Interface Power Meter Power Sensor	Signal GeneratorMarconiAmplifierA&RIsotropic Field MonitorA&RIsotropic Field ProbeA&RLaser Probe InterfaceA&RPower MeterAnritsuPower SensorAnritsu	Signal GeneratorMarconi2031BAmplifierA&R100W/1000M1Isotropic Field MonitorA&RFM7004Isotropic Field ProbeA&RFL7006Laser Probe InterfaceA&RFL7000Power MeterAnritsuML2487APower SensorAnritsuMA2491A	Signal GeneratorMarconi2031B11606/058AmplifierA&R100W/1000M117028Isotropic Field MonitorA&RFM70040325983Isotropic Field ProbeA&RFL70060325736Laser Probe InterfaceA&RFL7000325430Power MeterAnritsuML2487A6k00003262Power SensorAnritsuMA2491A33005	Signal GeneratorMarconi2031B11606/058Oct. 31, 12AmplifierA&R100W/1000M117028NCRIsotropic Field MonitorA&RFM70040325983NCRIsotropic Field ProbeA&RFL70060325736Oct. 31, 12Laser Probe InterfaceA&RFL7000325430NCRPower MeterAnritsuML2487A6k00003262Oct. 31, 12Power SensorAnritsuMA2491A33005Oct. 31, 12

9.2. Block Diagram of Test Setup



9.3. Test Standard

EN 61326-2-2: 2013 (IEC 61000-4-3:2006+A1:2007+A2:2010) (Severity Level: 2 at 3V / m)



9.4. Severity Levels and Performance Criterion

9.4.1. Severity level

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

9.4.2. Performance criterion : A

9.5. EUT Configuration

The configurations of EUT are listed in Section 3.5.

9.6. Operating Condition of EUT

Same as Conducted Emission test that is listed in Section 3.6. except the test set up replaced by Section 9.2.

9.7. Test Procedure

Testing was performed in a Fully anechoic chamber as recommended by IEC 61000-4-3. The EUT was placed on an 80 cm high non-conductive table located in the area of field uniformity. The radiating antenna was placed 3m in front of the EUT and Support system, and dwell time of the radiated interference was controlled by an automated, computer-controlled system. The signal source was stepped through the applicable frequency range at a rate no faster than 1% of the fundamental. The signal was amplitude modulated 80% over the frequency range 80 MHz to 1GHz at a level of 3 V/m. The dwell time was set at 3 s. Field presence was monitored during testing via a field probe placed in close proximity to the EUT. Throughout testing, the EUT was closely monitored for signs of susceptibility. The test was performed with the antennae oriented in both a horizontal and vertical polarization.

All the scanning conditions are as follows:

Condition of Test

- 1. Test Fielded Strength
- 2. Radiated Signal
- 3. Scanning Frequency
- 4. Sweeping time of radiated
- 5. Dwell Time

9.8. Test Results

PASS.

The EUT was tested and all the test results are listed in next page.

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Remarks

3 V/m (Severity Level 2) 80% amplitude modulated with a 1kHz sine wave 80 - 1000 MHz 0.0015 decade/s 3 Sec.

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Shenzhen Certification Technology Service Co., Ltd. RF Field Strength Susceptibility Test Results

M/N:MS6612Humidity:56%Test Voltage:DC 9VPressure:100.6KPaTest Engineer:SkyTest Mode:RunningFrequency Range:80 MHz -1000MHzField Strength:3V/mRequired:AActual:A	Applicant : Shenzhen New Huayi Instrument Co., Ltd				Test Date : Fel		Febru	ary 20, 2014		
Test Voltage : DC 9V Pressure : 100.6KPa Test Engineer : Sky Test Mode : Running Frequency : 80 MHz -1000MHz Field Strength : 3V/m Range : A Actual : A Performance : A Actual : A Modulation: : EI AM : Pulse : none 1 kHz 80% Frequency Rang :80 MHz -1000MHz Steps 1%	EUT : Digital Lux Meter					Temperature : 24°		24℃	24℃	
Test Engineer i Sky Test Mode i Running Frequency Range i 80 MHz -1000MHz Field Strength i 3V/m Required i Λ Actual i Λ Modulation: I A Actual i Λ Modulation: I A N Performance N Modulation: I A Pulse none 1 kHz 80% Steps 1% Frequency Rang :80 MHz -1000MHz Steps 1% Result Result Steps 1% Horizontal Vertical Result Result Required Observation Required Observation (Pass / Fail) Front A A A A Pass Right A A A A Pass Rear A A A A Pass Test Equipment : 1. Signal Generator : Marconi 2031B 2. Power Antenna : A&R AMT-1080. A Field Monitor : A&R FM7004. Remark: No function loss Image: Signa Amplifi	M/N :	: MS	6612	Multi and Multi	10	Humidi	ty :	56%	- Contraction	
Frequency Range : 80 MHz -1000MHz Field Strength : 3V/m Required : A Actual Performance : A Modulation: Image: A Pulse none 1 kHz 80% Modulation: Image: A Pulse none 1 kHz 80% Frequency Rang :80 MHz -1000MHz Steps 1% Required Observation Required Result Steps 1% Image: A A A A Pass Right A A A A Pass Right A A A Pass Left A A A Pass Isignal Generator: Marconi 2031B Power Amplifier: A&R St00A/100;100W/1000M. Pass Power Amelifier: A&R FM7004. Remark: No function loss Image: A&R FM7004. Remark: No function loss Image: A&R FM7004. Image: A&R FM7004. Image: A&R FM7004.	Test Voltage :	: DC	9V	Zanana	chao.	Pressure	e :	100.6	KPa	
Range 1 80 MH2 -10000HH2 Preto Stength 50 MH2 - 10000HH2 Required 1 A Actual Performance A Modulation: Image: A M Image: A Minimum Pulse Image: A Minimum Pulse Image: A Minimum Pulse Image: A Minimum Pulse Steps 1% Image: A Minimum Pulse Image: A Minimum Pulse Image: A Minimum Pulse Result Required Observation Required Observation Reguired Observation (Pass / Fail) Front A A A A Pass Right A A A Pass Rear A A A Pass Left A A A Pass Test Equipment : 1. Signal Generator : Marconi 2031B Power Amplifier : A&R St00A/100;100W/1000M. Pass 2. Power Ametina : A&R AT-1080. 4. Field Monitor : A&R FM7004. Remark: No function loss Image: AM FM2004. Remark: No function loss Image: AM FM2004. Image: AM FM2004. Image: AM FM2004. Image: AM FM2004.	Test Engineer :	: Sky		11/10	Ś	Test Mo	ode 📄 :	Runni	ing	
Required Performance A Actual Performance I A Modulation: Image: AM Pulse none 1 kHz 80% Frequency Rang :80 MHz -1000MHz Steps 1% Image: Amage: Ama	Frequency Range	: 80]	MHz -1000MH	z	» 11	Field St	rength :	3V/m	2 martine a	
Modulation: Image: AM Image: Pulse Image: none 1 kHz 80% Frequency Rang :80 MHz -1000MHz Steps 1% Horizontal Vertical Result Required Observation Required Observation (Pass / Fail) Front A A A A Pass Right A A A A Pass Rear A A A A Pass Left A A A A Pass Test Equipment : 1. Signal Generator : Marconi 2031B 2. Power Amplifier : A&R 500A/100;100W/1000M. 3. Power Antenna : A&R AT-1080. 4. Field Monitor : A&R FM7004. Remark: No function loss Image: No function loss Image: No function loss Image: No function loss	Required : Performance		NULL	Contract	ALL		iance :	A	SUL.	
Steps 1% Horizontal Vertical Result Required Observation Required Observation (Pass / Fail) Front A A A A Pass Right A A A A Pass Right A A A A Pass Rear A A A A Pass Left A A A A Pass Test Equipment : 1. Signal Generator : Marconi 2031B Power Antenna : A&R 500A/100;100W/1000M. Pass 2. Power Antenna : A&R AT-1080. Envert A A A Pass Remark: No function loss Envert Envert A Envert A Envert A	Modulation:	Certification	⊠ AM	D Pulse		1		80%	Anternational All	
Horizontal Vertical Result Required Observation Required Observation (Pass / Fail) Front A A A A Pass Right A A A A Pass Rear A A A A Pass Left A A A A Pass Test Equipment : 1. Signal Generator : Marconi 2031B 2. Power Amplifier : A&R 500A/100;100W/1000M. 3. Power Antenna : A&R AT-1080. 4. Field Monitor : A&R FM7004. Remark: No function loss Kermark: No function loss Kermark: No function loss Kermark: No function loss	Standard St	\\\/,		Frequency	Rang :	80 MHz	-1000M	Hz	11 miles	
RequiredObservationRequiredObservation(Pass / Fail)FrontAAAAPassRightAAAAPassRearAAAAPassLeftAAAAPassTest Equipment : 1. Signal Generator : Marconi 2031B 2. Power Amplifier : A&R 500A/100;100W/1000M. 3. Power Antenna : A&R AT-1080. 4. Field Monitor : A&R FM7004.Remark: No function loss	Steps	stion to have	1%	AUD	Certification	- Z	Sum te man to	3111	10	
Front A A A A Pass Right A A A A Pass Rear A A A A Pass Left A A A A Pass Test Equipment : 1. Signal Generator : Marconi 2031B 2. Power Amplifier : A&R 500A/100;100W/1000M. 3. Power Antenna : A&R AT-1080. 4. Field Monitor : A&R FM7004. Remark: No function loss Image: Colspan="3">Colspan="3">Colspan="3">Colspan="3">Colspan="3">Colspan="3">Colspan="3">Colspan="3">Colspan="3">Colspan="3"Colspan"="3"Colspan="3"Colspan="3"Colspan="3"Col	10		Hori	zontal	11/10	Ver	tical	- Contraction	Result	
Right A A A A A Pass Rear A A A A A Pass Left A A A A Pass Test Equipment : 1. Signal Generator : Marconi 2031B Power Amplifier : A&R 500A/100;100W/1000M. Power Amplifier : A&R 500A/100;100W/1000M. 3. Power Antenna : A&R AT-1080. 4. Field Monitor : A&R FM7004. Pass Remark: No function loss V V V		- Aller	Required	Observation	Requ	uired	Obser	vation	(Pass / Fail)	
Rear A A A A Pass Left A A A A Pass Test Equipment : 1. Signal Generator : Marconi 2031B 2. Power Amplifier : A&R 500A/100;100W/1000M. 3. Power Antenna : A&R AT-1080. 4. Field Monitor : A&R FM7004. Remark: No function loss	Front		A	A	A	A Contractor	A		Pass	
Left A A A A Pass Test Equipment : 1. Signal Generator : Marconi 2031B 2. Power Amplifier : A&R 500A/100;100W/1000M. 3. Power Antenna : A&R AT-1080. 4. Field Monitor : A&R FM7004. Remark: No function loss	Right		A	A	F F	A	A		Pass	
Test Equipment : 1. Signal Generator : Marconi 2031B 2. Power Amplifier : A&R 500A/100;100W/1000M. 3. Power Antenna : A&R AT-1080. 4. Field Monitor : A&R FM7004. Remark: No function loss	Rear	11.	A	A	F	A		Pass		
 1. Signal Generator : Marconi 2031B 2. Power Amplifier : A&R 500A/100;100W/1000M. 3. Power Antenna : A&R AT-1080. 4. Field Monitor : A&R FM7004. Remark: No function loss	Left	Z	A 💥	A	A		4	Pass		
	3. Power An	tenna			Contract					
Report No. CSTE140218084			A&R FM7004.		Sille	6	Certificat	ITING		
Report No. CSTE140218084	and the second s		A&R FM7004.			and Al		17TNS -		
Report No. CSTE140218084 Page 27 of 46			A&R FM7004.							
			A&R FM7004.							
	Remark: No	funct	A&R FM7004.				Control of the second s		Page 27 of 46	

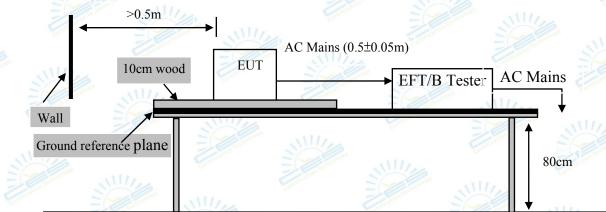


10. ELECTRICAL FAST TRANSIENT/BURST IMMUNITY TEST

10.1. Test Equipments

2	10		Continu	- Account	MILLER		Cultication
00	Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
	1.	Burst Tester	3ctest	EFT-4001G	EC0461015	Oct. 31, 12	1 Year
		-uncatt	malagu	117.	7	ation	

10.2. Block Diagram of Test Setup



10.3. Test Standard

EN 61326-2-2: 2013 (IEC 61000-4-4:2012) (Severity Level 2 at 1kV)

10.4. Severity Levels and Performance Criterion

10.4.1. Severity level

	and the		Ter.			
Linen Te	Open Circuit Output Test Voltage ±10%					
ICat	Level	On Power Supply	On I/O (Input/Output)			
		Lines	Signal data and control lines			
110	1.	0.5 kV	0.25 kV			
echnolog	2.	1 kV 🦾	0.5 kV			
	3.	2 kV	1 kV			
	4.	4 kV	2 kV			
	Х	Special	Special			
59						

10.4.2. Performance criterion : **B**

10.5. EUT Configuration

The configurations of EUT are listed in Section 3.5.

10.6. Operating Condition of EUT

Same as Conducted Emission test that is listed in Section 3.6. except the test set up replaced by Section 10.2.



10.7. Test Procedure

The EUT and its simulators were placed on the ground reference plane and were insulated from it by a wood support $0.1m \pm 0.01m$ thick. The ground reference plane was 1m*1m metallic sheet with 0.65mm minimum thickness. This reference ground plane was project beyond the EUT by at least 0.1m on all sides and the minimum distance between EUT and all other conductive structure, except the ground plane was more than 0.5m. All cables to the EUT was placed on the wood support, cables not subject to EFT/B was routed as far as possible from the cable under test to minimize the coupling between the cables.

10.7.1. For input and AC power ports:

The EUT was connected to the power mains by using a coupling device that couples the EFT interference signal to AC power lines. Both positive transients and negative transients of test voltage were applied during compliance test and the duration of the test can't less than 1min.

10.7.2. For signal lines and control lines ports:

It's unnecessary to test.

10.7.3. For DC input and DC output power ports:

It's unnecessary to test.

10.8. Test Results

EUT Supply by DC Power, So it not applicable.

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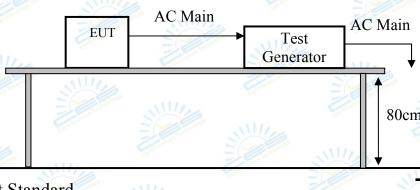


11. SURGE TEST

11.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Surge Cdn	3ctest	SGN-5010G	EC5591004	Oct. 31, 12	1 Year
	Surge Generator	3ctest	SG-5006G	EC5581006	Oct. 31, 12	1 Year

11.2. Block Diagram of Test Setup



11.3. Test Standard

EN 61326-2-2: 2013 (IEC 61000-4-5: 2005+A1:2009) (Severity Level: Line to Line was Level 2 at 1kV)

11.4. Severity Levels and Performance Criterion

11.4.1. Severity level

	Severity Level	Open-Circuit Test Vo	ltage
1		kV	
AIV	1 NI//	0.5	
6	2	1.0	
	3	2.0	
1	4	4.0	
	*	Special	S111/10

11.4.2. Performance criterion: **B**

11.5. EUT Configuration

The configurations of EUT are listed in Section 3.5.

11.6. Operating Condition of EUT

Same as Conducted Emission test that is listed in Section 3.6. except the test set up replaced by Section 11.2

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11.7. Test Procedure

- 1) Set up the EUT and test generator as shown on Section 11.2.
- 2) For line-to-line coupling mode, provide a 1kV 1.2/50us voltage surge (at open-circuit condition) and 8/20us current surge to EUT selected points, and for active line / neutral lines to ground are same except test level is 2kV.
- 3) At least 5 positive and 5 negative (polarity) tests with a maximum 1/min repetition rate are applied during test.
- 4) Different phase angles are done individually.
- 5) Record the EUT operating situation during compliance test and decide the EUT immunity criterion for above each test.

11.8. Test Results

EUT Supply by DC Power, So it not applicable.



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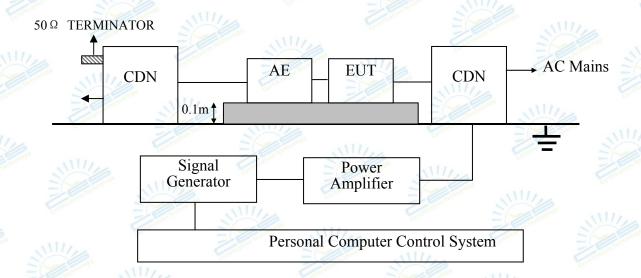


12. INJECTED CURRENTS SUSCEPTIBILITY TEST

12.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
7.	Signal Generator	Marconi	2031B	11606/058	Oct. 31, 12	1 Year
8.	Amplifier	AR	25A250A	19152 📃	NCR	NCR
9.	Amplifier	AR	500A100	17034	NCR 📃	NCR
10.	Power meter	Anritsu	ML2487A	6K00002472	Oct. 31, 12	1Year 🚽
11.	Power meter	HP	438A	2517A02731	Oct. 31, 12	1Year 🛛 😔
12.	Power sensor	Anritsu	ML2491A	32516	Oct. 31, 12	1Year
13.	Power sensor 🗾	HP N	8482B	3318A06358	Oct. 31, 12	1Year
14.	CDN 🔗	FCC	FCC-801-M3-25	107	Oct. 31, 12	1 Year 🍑
15.	CDN	FCC 🧹	FCC-801-M3-25	07045	Oct. 31, 12	1 Year
16.	PC	N/A	N/A	N/A	N/A	N/A
17. 🧐	RF Cable 📃 💋	JINGCHENG	KLMR400	No.1/2	NCR	NCR
18.	Antenuator	HuaYang	DTS50	411170	Oct. 31, 12	1/2Year

12.2. Block Diagram of Test Setup



12.3. Test Standard

EN 61326-2-2: 2013 (IEC 61000-4-6: 2008) (Severity Level 2 at 3V (r.m.s.) and frequency is from 0.15MHz to 80MHz)

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12.4. Severity Levels and Performance Criterion

12.4.1. Severity level

Level	Voltage Level (e.m.f.) V
1.	1
2.	3
3.	10
X	Special

12.4.2. Performance criterion: A

12.5. EUT Configuration

The configurations of EUT are listed in Section 3.5.

12.6. Operating Condition of EUT

Same as Conducted Emission test that is listed in Section 3.6. except the test set up replaced by Section 12.2.

12.7. Test Procedure

- 1) Set up the EUT, CDN and test generators as shown on Section 12.2.
- 2) Let the EUT work in test mode and test it.
- 3) The EUT are placed on an insulating support 0.1m high above a ground reference plane. CDN (coupling and decoupling device) is placed on the ground plane about 0.3m from EUT. Cables between CDN and EUT are as short as possible, and their height above the ground reference plane shall be between 10 and 30 mm (where possible).
- 4) The disturbance signal described below is injected to EUT through CDN.
- 5) The EUT operates within its operational mode(s) under intended climatic conditions after power on.
- 6) The frequency range is swept from 0.150MHz to 80MHz using 3V signal level, and with the disturbance signal 80% amplitude modulated with a 1kHz sine wave.
- 7) The rate of sweep shall not exceed $1.5*10^{-3}$ decades/s. Where the frequency is swept incrementally, the step size shall not exceed 1% of the start and thereafter 1% of the preceding frequency value.
- 8) Recording the EUT operating situation during compliance testing and decide the EUT immunity criterion.

12.8. Test Results

EUT Supply by DC Power, So it not applicable.

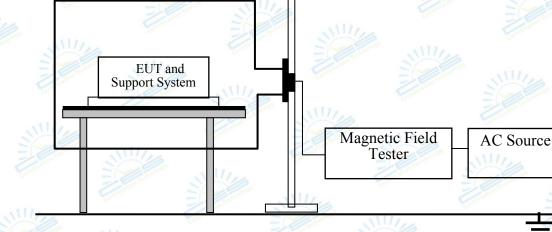


13. MAGNETIC FIELD IMMUNITY TEST

13.1. Test Equipments

		. Cer			-	-110
Item	Equipment 1	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Magnetic Field Tester	HEAFELY	MAG100.1	083858-10	Oct. 31, 12	1 Year

13.2. Block Diagram of Test Setup



13.3. Test Standard

EN 61326-2-2: 2013 (IEC 61000-4-8: 2009) (Severity Level 1 at 1A/m)

13.4. Severity Levels and Performance Criterion

13.4.1. Severity level

	etthese	States Alle
5	Level	Magnetic Field Strength A/m
	SHULL	1
	2.	3
	3.	10
	4.	30
	5.	100
	X. 🔨	Special

13.4.2. Performance criterion : A



13.5. EUT Configuration on Test

The configurations of EUT are listed in Section 3.5.

13.6. Operating Condition of EUT

Same as Conducted Emission test that is listed in Section 3.6. except the test set up replaced by Section 13.2.

13.7. Test Procedure

The EUT was subjected to the test magnetic field by using the induction coil of standard dimensions (1m*1m) and shown in Section 13.2. The induction coil was then rotated by 90° in order to expose the EUT to the test field with different orientations.

13.8. Test Results

PASS.

The EUT was tested and all the test results are listed in next page.

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Shenzhen Certification Technology Service Co., Ltd. Magnetic Field Immunity Test Results

	Continent		-		
Applicant	: Shenzhen New Hua	yi Instrument Co., Ltd	Test Date	: February 20	0, 2014
EUT	: Digital Lux Meter	110	Temperature	: 24°C	
M/N	: MS6612		Humidity	: 56% 刘	and the second state
Test Voltage	: DC 9V	Contraction of Contraction	Test Mode	: Running	IIV
Test Engineer	: Sky	and sulling for	Pressure	: 100.5KPa	1 Con
Required Performance	: A	States States	Actual Performance	: A	
Test Level	Testing Duration	Coil Orientation	Required	Observation	Result (Pass/Fail)
1A/m	5 min / coil	X	А	A	PASS
1A/m	5 min / coil	Y	A	A	PASS
1A/m	5 min / coil	Z	Α	A	PASS
S Color	a ¹¹		SUD		Certific

Test Equipment :Magnetic Field Tester (MAG100.1)

Remark: No function loss.

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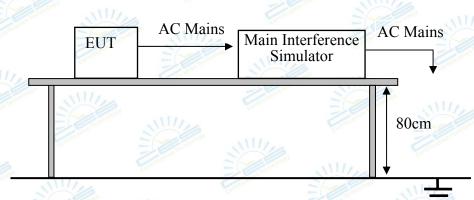


14. VOLTAGE DIPS AND INTERRUPTIONS TEST

14.1. Test Equipment

		Cer	Tech			-unc.
Item	Equipment 1//	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
	Main Interference Simulator	3ctest	VDG-1105G	EC0171002	Oct. 31, 12	1 Year
	Simulator	- Annal as	1111		cation	

14.2. Block Diagram of Test Setup



14.3. Test Standard

EN 61326-2-2: 2013 (IEC 61000-4-11:2004)

14.4. Severity Levels and Performance Criterion

14.4.1. Severity level

Test Level %UT	Voltage dip and short interruptions %UT	Performance Criterion	Duration (in period)
0	100	C	250
0	100	B	0.5
70	30	C	25
		Itest Level %UTshort interruptions %UT0100	NUTshort interruptions %UTPerformance Criterion0100C

14.4.2. Performance criterion : **B & C**

14.5. EUT Configuration

The configurations of EUT are listed in Section 3.5.

14.6. Operating Condition of EUT

Same as Conducted Emission test that is listed in Section 3.6. except the test set up replaced by Section 14.2.

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14.7. Test Procedure

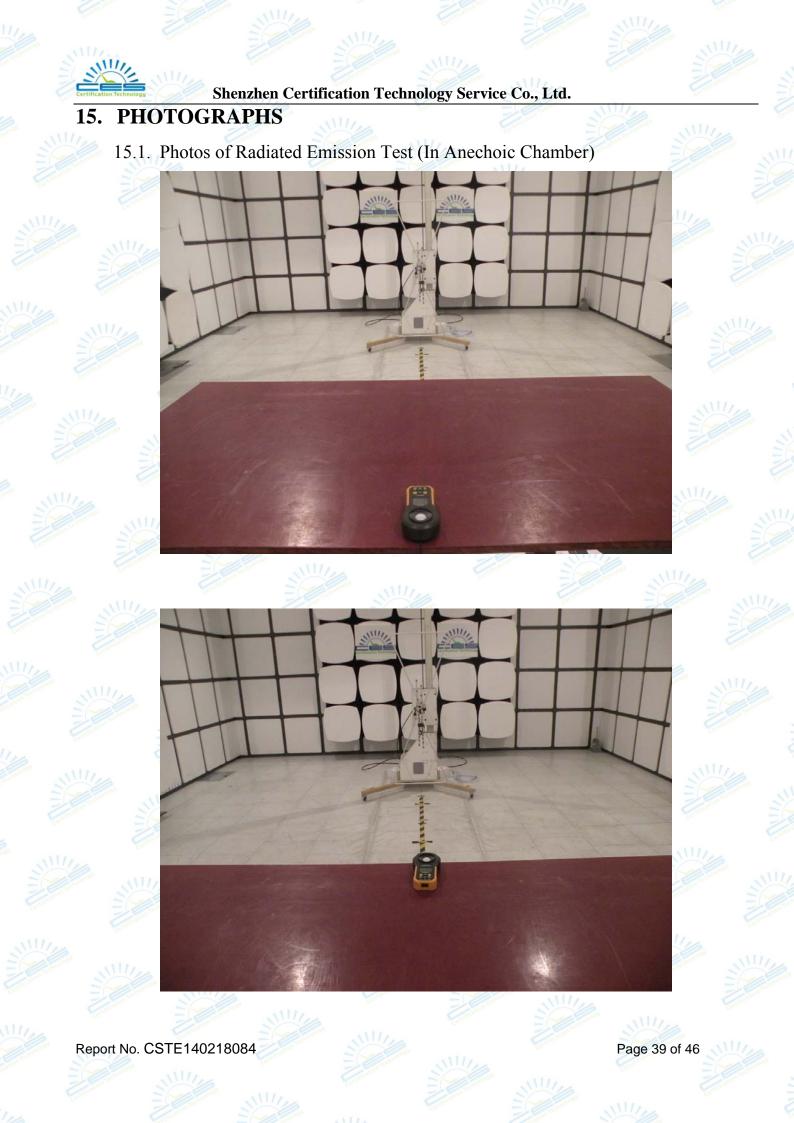
- 1) The EUT and test generator were setup as shown on Section 14.2.
- 2) The interruption is introduced at selected phase angles with specified duration.
- 3) Record any degradation of performance.

14.8. Test Results

EUT Supply by DC Power, So it not applicable.

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15.2. Photos of Electrostatic Discharge Immunity Test

