Shenzhen BCTC Technology Co.,Ltd.
No.101, Yousong Road, Longhua New District,
Shenzhen, Guangdong, P.R.China



Certificate of Compliance

Certificate Number: BCTC-FY160802015C

Applicant

: ITEAD Intelligent Systems Co., Ltd.

RM 401 BLK 4 WANGTANG INDUSTRIAL ZONE, XILI, NANSHAN DIST

SHENZHEN, GUANGDONG, 518000 CHINA (PRC)

Manufacturer

: ITEAD Intelligent Systems Co., Ltd.

RM 401 BLK 4 WANGTANG INDUSTRIAL ZONE, XILI, NANSHAN DIST

SHENZHEN, GUANGDONG, 518000 CHINA (PRC)

Product

: Nextion

M/N

NX4024K032

NX3224T024, NX3224T028, NX4024T032, NX4832T035, NX4827T043, NX8048T050, NX8048T070, NX3224K024, NX3224K028, NX4832K035,

NX4827K043, NX8048K050, NX8048K070

Trademark

: NEXTION

Test Standard

: EN 55022: 2010+AC:2011

EN 61000-3-2: 2014, EN 61000-3-3: 2013

EN 55024: 2010

EN 61000-4-2: 2009, EN 61000-4-3: 2006+A1:2008+A2:2010

EN 61000-4-4: 2012, EN 61000-4-5: 2014

EN 61000-4-6: 2014, EN 61000-4-8: 2010, EN 61000-4-11: 2004

The EUT described above has been tested by us with the listed standards and found in compliance with the council EMC directive 2014/30/EU. It is possible to use CE marking to demonstrate the compliance with this EMC Directive.

CE

This certificate of conformity is based on a single evaluation of the submitted sample(s) of the above mentioned product. It does not imply an assessment of the whole product and relevant. Directives have to be observed.

Tel: 400-788-9558 0755-33019988

Http://www.bctc-lab.com Http://www.bctc-lab.com.cn



ug A 25 R 2016



CE/EMC TEST REPORT

For

ITEAD Intelligent Systems Co., Ltd.

Product Name:	Nextion
Trademark:	NEXTION
Model Number:	NX4024K032 NX3224T024, NX3224T028, NX4024T032, NX4832T035, NX4827T043, NX8048T050, NX8048T070, NX3224K024, NX3224K028, NX4832K035, NX4827K043, NX8048K050, NX8048K070
Prepared For:	ITEAD Intelligent Systems Co., Ltd.
Address:	RM 401 BLK 4 WANGTANG INDUSTRIAL ZONE, XILI, NANSHAN DIST SHENZHEN, GUANGDONG, 518000 CHINA (PRC)
Prepared By:	Shenzhen BCTC Technology Co., Ltd.
Address:	NO.101, Yousong Road, Longhua New District, Shenzhen, Guangdong, P.R.China
Report No.:	BCTC-FY160802015E

Tel: 400-788-9558 0755-33019988



TABLE OF CONTENT

Test Report Declaration	Page
1. GENERAL INFORMATION	5
1.1. DESCRIPTION OF DEVICE (EUT)	
1.2. TESTED SYSTEM DETAILS	
1.3. TEST UNCERTAINTY	
1.4. TEST FACILITY	
2. TEST INSTRUMENT USED	
3. CONDUCTED EMISSION AT THE MAINS TERMINALS TEST	
3.1. BLOCK DIAGRAM OF TEST SETUP	
3.2. TEST STANDARD	10 10
3.4. EUT CONFIGURATION ON TEST	10
3.5. OPERATING CONDITION OF EUT	10
3.6. TEST PROCEDURE	11
3.7. TEST RESULT	
4. RADIATION EMISSION TEST	14
4.1. BLOCK DIAGRAM OF TEST SETUP	
4.2. TEST STANDARD	
4.3. RADIATION LIMIT	
4.4. EUT CONFIGURATION ON TEST	
4.6. TEST PROCEDURE	
4.7. TEST RESULT	
5. HARMONIC CURRENT EMISSION TEST	18
5.1. BLOCK DIAGRAM OF TEST SETUP	
5.2. TEST STANDARD	18
5.3. OPERATING CONDITION OF EUT	
5.4. TEST PROCEDURE	
5.5. TEST RESULTS	
6. VOLTAGE FLUCTUATIONS & FLICKER TEST	
6.1. BLOCK DIAGRAM OF TEST SETUP	
6.2. TEST STANDARD	
6.4. TEST PROCEDURE	
6.5. TEST RESULTS	
7. ELECTROSTATIC DISCHARGE IMMUNITY TEST	21
7.1. BLOCK DIAGRAM OF TEST SETUP	
7.2. TEST STANDARD	
7.3. SEVERITY LEVELS AND PERFORMANCE CRITERION	
7.4. EUT CONFIGURATION	
7.5. OPERATING CONDITION OF EUT	
7.6. TEST PROCEDURE	
8. RF FIELD STRENGTH SUSCEPTIBILITY TEST	
8.1. BLOCK DIAGRAM OF TEST SETUP	
8.2. TEST STANDARD	
8.3. SEVERITY LEVELS AND PERFORMANCE CRITERION	
8.4. EUT CONFIGURATION ON TEST	25
8.5. OPERATING CONDITION OF EUT	25





8.6. TEST PROCEDURE	26
8.7. TEST RESULTS	
9. ELECTRICAL FAST TRANSIENT/BURST IMMUNITY TEST	27
9.1. BLOCK DIAGRAM OF EUT TEST SETUP	27
9.2. TEST STANDARD	27
9.3. SEVERITY LEVELS AND PERFORMANCE CRITERION	
9.4. EUT CONFIGURATION ON TEST	
9.5. OPERATING CONDITION OF EUT	
9.6. TEST PROCEDURE	
9.7. TEST RESULTS	
10. SURGE TEST	
10.1. BLOCK DIAGRAM OF EUT TEST SETUP	30
10.2. TEST STANDARD	
10.3. SEVERITY LEVELS AND PERFORMANCE CRITERION	
10.4. EUT CONFIGURATION ON TEST	
10.5. OPERATING CONDITION OF EUT	
10.6. TEST PROCEDURE	
10.7. TEST RESULT	
11. INJECTED CURRENTS SUSCEPTIBILITY TEST	
11.1. BLOCK DIAGRAM OF EUT TEST SETUP	
11.2. TEST STANDARD	33
11.3. SEVERITY LEVELS AND PERFORMANCE CRITERION	
11.4. EUT CONFIGURATION ON TEST	
11.5. OPERATING CONDITION OF EUT	
11.6. TEST PROCEDURE	
11.7. TEST RESULT	
12. MAGNETIC FIELD IMMUNITY TEST	
12.1. BLOCK DIAGRAM OF TEST SETUP	
12.2. TEST STANDARD	36
12.3. SEVERITY LEVELS AND PERFORMANCE CRITERION	
12.4. EUT CONFIGURATION ON TEST	
12.6. TEST PROCEDURE	
12.7. TEST RESULTS	
13. VOLTAGE DIPS AND INTERRUPTIONS TEST	
13.1. BLOCK DIAGRAM OF EUT TEST SETUP	
13.2. TEST STANDARD	
13.3. SEVERITY LEVELS AND PERFORMANCE CRITERION	35
13.4. EUT CONFIGURATION ON TEST	
13.5. OPERATING CONDITION OF EUT	
13.6. TEST PROCEDURE	
13.7. TEST RESULT	
14. EUT PHOTOGRAPHS	40
15. EUT TEST PHOTOGRAPHS	





Shenzhen BCTC Technology Co., Ltd.

Applicant : ITEAD Intelligent Systems Co., Ltd.

Address RM 401 BLK 4 WANGTANG INDUSTRIAL ZONE, XILI, NANSHAN

DIST SHENZHEN, GUANGDONG, 518000 CHINA (PRC)

Report No.: BCTC-FY160802015E

Page 4 of 43

Manufacturer : ITEAD Intelligent Systems Co., Ltd.

Address RM 401 BLK 4 WANGTANG INDUSTRIAL ZONE, XILI, NANSHAN

DIST SHENZHEN, GUANGDONG, 518000 CHINA (PRC)

EUT : Nextion

NX4024K032

NX3224T024, NX3224T028, NX4024T032, NX4832T035,

Model Number : NX4827T043, NX8048T050, NX8048T070, NX3224K024,

NX3224K028, NX4832K035, NX4827K043, NX8048K050,

NX8048K070

Trademark: : NEXTION

Test Date : Aug. 22 - Aug. 25, 2016

Date of Report : Aug. 25, 2016

Test Result:

The equipment under test was found to be compliance with the

requirements of the standards applied.

Test Procedure Used:

EMI: EN 55022:2010+AC:2011

EN 61000-3-2:2014, EN 61000-3-3:2013

EMS: EN 55024:2010

EN 61000-4-2:2009, EN 61000-4-3:2006+A1:2008+A2:2010,

EN 61000-4-4:2012, EN 61000-4-5:2014,

EN 61000-4-6:2014, EN 61000-4-8:2010, EN 61000-4-11:2004

Prepared by(Engineer): Jack Bu

Reviewer(Supervisor): Jade Yang

Approved(Manager): Carson Zhang

This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen BCTC Technology Co., Ltd.

EMC Report Tel: 400-788-9558 0755-33019988 Web: Http://www.bctc-lab.com.cn



GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT : Nextion

Trademark : NEXTION

NX4024K032

NX3224T024, NX3224T028, NX4024T032, NX4832T035,

Report No.: BCTC-FY160802015E

Genuine

: NX4827T043, NX8048T050, NX8048T070, NX3224K024, Model Number

NX3224K028, NX4832K035, NX4827K043, NX8048K050,

NX8048K070

Model Difference : The product is different for model number and outlook color.

Power Supply : DC5V 500mA

Work Frequency: N/A

Note: NX4024K032 was selected as the test model and the datas have been recorded in this

report.

1.2. Tested System Details

Personal Computer : ASUS Monitor SONY M/N : A1580TW M/N MNT1

Keyboard : EPSON STYLUS Printer

(USB)

M/N M/N : P320A N/A

Mouse Modem : ACEEX **DETROIS** M/N M/N : DM-1414 CM309

1.3. Test Uncertainty

Conducted Emission : ±2.66dB

Uncertainty

Radiated Emission Uncertainty: ±4.26dB



1.4. Test Facility

Site Description

Name of Firm : Shenzhen BCTC Technology Co., Ltd.

Site Location : NO.101, Yousong Road, Longhua New District,

Shenzhen, Guangdong, P.R.China

Lab Qualifications : Certificated by Industry Canada

Registration No.: 12655A

Date of registration: January 19, 2015

Report No.: BCTC-FY160802015E

Certificated by FCC, USA Registration No.: 187086

Date of registration: November 28, 2014

Certificated by CNAS China Registration No.: CNAS L6046

Date of registration: February 3, 2013

EMC Report Tel: 400-788-9558 0755-33019988 Web: Http://www.bctc-lab.com.cn Page 6 of 43

Report No.: BCTC-FY160802015E



2. TEST INSTRUMENT USED

For Conducted Emission at the mains terminals Test

	Conducted Emission Test (A site)						
Equipment Manufacturer Model# Serial# Last Cal. Nex							
843 Shielded Room	ChengYu	843 Room	843	Aug. 25, 2015	Aug. 24, 2016		
EMI Receiver	R&S	ESCI	101421	Aug. 27, 2015	Aug. 26, 2016		
LISN	Schwarzbeck	NSLK8127	8127739	Sep. 07, 2015	Sep. 06, 2016		
Attenuator	R&S	ESH3-Z2	BCTC021E	Aug. 25, 2015	Aug. 24, 2016		
843 Cable 1#	FUJIKURA	843C1#	001	Aug. 25, 2015	Aug. 24, 2016		

For Conducted Emission at the telecom port Test

Conducted Emission Test (A site)						
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.	
843 Shielded Room	ChengYu	843 Room	843	Aug. 25, 2015	Aug. 24, 2016	
EMI Receiver	R&S	ESCI	101421	Aug. 27, 2015	Aug. 26, 2016	
Coupling/ Decoupling Network	PH	ISN T800	S1509001	Aug. 25, 2015	Aug. 24, 2016	
Attenuator	R&S	ESH3-Z2	BCTC021E	Aug. 25, 2015	Aug. 24, 2016	
843 Cable 1#	FUJIKURA	843C1#	001	Aug. 25, 2015	Aug. 24, 2016	

For Radiated Emission Test

Radiation Emission Test (966 chamber)						
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.	
966 chamber	ChengYu	966 Room	966	Aug. 25, 2015	Aug. 24, 2016	
Spectrum Analyzer	Agilent	E4407B	MY45109572	Aug. 27, 2015	Aug. 26, 2016	
Amplifier	Schwarzbeck	BBV9743	9743-119	Aug. 25, 2015	Aug. 24, 2016	
Amplifier	Schwarzbeck	BBV9718	9718-270	Aug. 25, 2015	Aug. 24, 2016	
Log-periodic Antenna	Schwarzbeck	VULB9160	VULB9160-3 369	Sep. 07, 2015	Sep. 06, 2016	
EMI Receiver	R&S	ESCI	101421	Aug. 27, 2015	Aug. 26, 2016	
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1275	Aug. 25, 2015	Aug. 24, 2016	
966 Cable 1#	CHENGYU	966	004	Aug. 25, 2015	Aug. 24, 2016	
966 Cable 2#	CHENGYU	966	003	Aug. 25, 2015	Aug. 24, 2016	

EMC Report Tel: 400-788-9558 0755-33019988 Web: Http://www.bctc-lab.com.cn Page 7 of 43



For Harmonic & Flicker Test

For Harmonic / Flicker Test (A site)						
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.	
Harmonic / Flicker Analyzer	KIKUSUI	KHA1000	VA002445	Sep. 07, 2015	Sep. 06, 2016	
AC Power Supply	KIKUSUI	PCR4000M	UK001879	Sep. 07, 2015	Sep. 06, 2016	
Line Impedance network	KIKUSUI	LIN1020JF	UL001611	Sep. 07, 2015	Sep. 06, 2016	

Report No.: BCTC-FY160802015E

For Electrostatic Discharge Immunity Test

For Electrostatic Discharge Immunity Test (A site)						
Equipment Manufacturer Model# Serial# Last Cal. Next Cal.						
ESD Tester	KIKISUI	KES4201A	UH002321	Aug. 28, 2015	Aug. 27, 2016	

For RF Field Strength Susceptibility Test(SMQ)

To the Tield Strength Susceptibility Test(Sivig)						
For RF Field Strength Susceptibility Test (SMQ site)						
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.	
Signal Generator	HP	8648A	3625U00573	Sep. 26, 2015	Sep. 26, 2016	
Amplifier	A&R	500A100	17034	Sep. 26, 2015	Sep. 26, 2016	
Amplifier	A&R	100W/1000M1	17028	Sep. 26, 2015	Sep. 26, 2016	
Audio Analyzer (20Hz~1GHz)	Panasonic	2023B	202301/428	Sep. 26, 2015	Sep. 26, 2016	
Isotropic Field Probe	A&R	FP2000	16755	Sep. 26, 2015	Sep. 26, 2016	
Antenna	EMCO	3108	9507-2534	Sep. 26, 2015	Sep. 26, 2016	
Log-periodic Antenna	A&R	AT1080	16812	Sep. 26, 2015	Sep. 26, 2016	

EMC Report Tel: 400-788-9558 0755-33019988 Web: Http://www.bctc-lab.com.cn Page 8 of 43



For Electrical Fast Transient /Burst Immunity Test

For Electrical Fast Transient/Burst Immunity Test (A site)						
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.	
Burst Tester	Prima	EFT61004AG	PR14054467	Aug. 25, 2015	Aug. 24, 2016	
Coupling Clamp	Prima	EFT61004AG	BCTC009E	Aug. 25, 2015	Aug. 24, 2016	

Report No.: BCTC-FY160802015E

For Surge Test

For Surge Test (A site)						
Equipment	Manufacturer	Model#	Serial#	Last Cal.	Next Cal.	
Surge Tester	Prima	SUG61005BX	PR12045446	Aug. 27, 2015	Aug. 26, 2016	

For Injected Currents Susceptibility Test

	To hijotica carretite caecepatem y						
For Injected Currents Susceptibility Test (A site)							
Equipment Manufacturer Model# Serial# Last Cal. Next Cal.							
C/S Test System	SCHLODER	CDG600	126B1281	Aug. 27, 2015	Aug. 26, 2016		
CDN	SCHLODER	CDN-M2+3	A2210320/201 5	Aug. 27, 2015	Aug. 26, 2016		
Injection Clamp	SCHLOBER	EMCL-20	132A1214/201 5	Aug. 27, 2015	Aug. 26, 2016		

For Magnetic Field Immunity Test

	For Magnetic Field Immunity Test (A site)								
Equipment	Equipment Manufacturer Model# Serial# Last Cal. Next Cal.								
Magnetic field generator HPFMF 15701 Aug. 27, 2015 Aug. 26, 2									

For Voltage Dips Interruptions Test

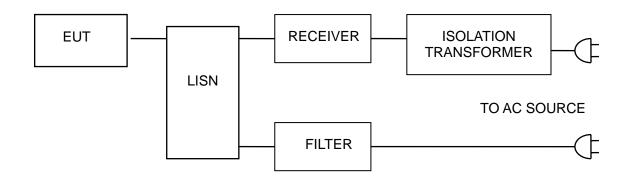
For Voltage Dips Interruptions Test (A site)								
Equipment	Equipment Manufacturer Model# Serial# Last Cal. Next Cal.							
Dips Tester								



3. CONDUCTED EMISSION AT THE MAINS TERMINALS TEST

Report No.: BCTC-FY160802015E

3.1. Block Diagram Of Test Setup



3.2. Test Standard

EN 55022: 2010+AC:2011

3.3. Power Line Conducted Emission Limit

Frequency	Limits $dB(\mu V)$				
MHz	Quasi-peak Level	Average Level			
0.15 ~ 0.50	66 ~ 56*	56 ~ 46*			
0.50 ~ 5.00	56	46			
5.00 ~ 30.00	60	50			

Notes: 1. *Decreasing linearly with logarithm of frequency.

3.4.EUT Configuration on Test

The following equipments are installed on conducted emission test to meet EN55022 requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

3.5. Operating Condition of EUT

- 3.5.1 Setup the EUT and simulators as shown in Section 3.1.
- 3.5.2 Turn on the power of all equipments.
- 3.5.3 Let the EUT work in test modes and test it.

^{2.} The lower limit shall apply at the transition frequencies.



3.6. Test Procedure

The EUT is put on the ground and connected to the AC mains through a Artificial Mains Network (AMN). This provided a 50ohm coupling impedance for the tested equipments. Both sides of AC line are checked to find out the maximum conducted emission levels according to the **EN55022** regulations during conducted emission test.

Report No.: BCTC-FY160802015E

The bandwidth of the test receiver (R&S Test Receiver ESCI) is set at 10KHz.

The frequency range from 150 KHz to 30 MHz is investigated.

3.7.Test Result

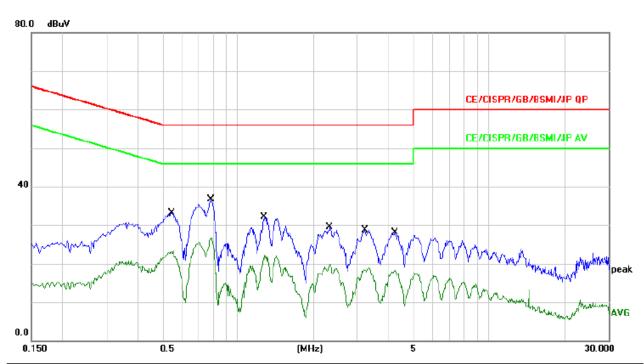
PASS

Please refer to the following page.

EMC Report Tel: 400-788-9558 0755-33019988 Web: Http://www.bctc-lab.com.cn Page 11 of 43



Conducted Emission At The Mains Terminals Test Data									
Temperature: 24.5 ℃ Relative Humidity: 54%									
Pressure:	1009hPa	Phase :	Line						
Test Voltage:	AC 230V/50Hz	Test Mode:	ON Mode						



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.5460	23.44	9.68	33.12	56.00	-22.88	QP	
2		0.5460	13.57	9.68	23.25	46.00	-22.75	AVG	
3		0.7820	26.97	9.68	36.65	56.00	-19.35	QP	
4	*	0.7820	17.09	9.68	26.77	46.00	-19.23	AVG	
5		1.2740	22.32	9.70	32.02	56.00	-23.98	QP	
6		1.2740	12.69	9.70	22.39	46.00	-23.61	AVG	
7		2.3220	19.77	9.72	29.49	56.00	-26.51	QP	
8		2.3220	10.18	9.72	19.90	46.00	-26.10	AVG	
9		3.2100	18.90	9.72	28.62	56.00	-27.38	QP	
10		3.2100	9.24	9.72	18.96	46.00	-27.04	AVG	
11		4.2380	18.40	9.73	28.13	56.00	-27.87	QP	
12		4.2380	8.63	9.73	18.36	46.00	-27.64	AVG	

EMC Report

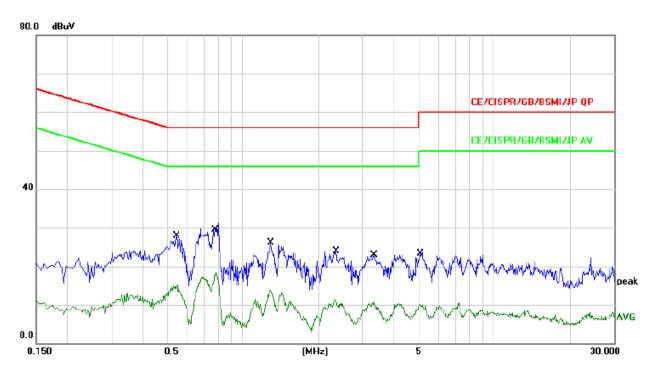
Tel: 400-788-9558

0755-33019988

Web: Http://www.bctc-lab.com.cn



Conducted Emission At The Mains Terminals Test Data									
Temperature: 24.5 ℃ Relative Humidity: 54%									
Pressure:	1009hPa	Phase :	Neutral						
Test Voltage :	AC 230V/50Hz	Test Mode:	ON Mode						



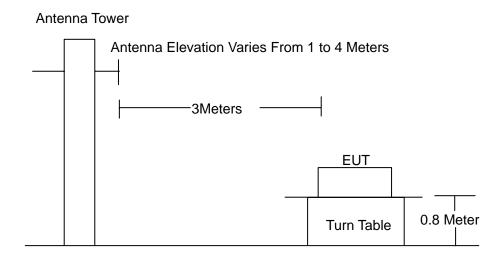
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.5460	18.21	9.68	27.89	56.00	-28.11	QP	
2		0.5460	5.48	9.68	15.16	46.00	-30.84	AVG	
3	*	0.7820	21.60	9.68	31.28	56.00	-24.72	QP	
4		0.7820	8.82	9.68	18.50	46.00	-27.50	AVG	
5		1.2900	16.35	9.70	26.05	56.00	-29.95	QP	
6		1.2900	4.12	9.70	13.82	46.00	-32.18	AVG	
7		2.3380	14.19	9.72	23.91	56.00	-32.09	QP	
8		2.3380	1.68	9.72	11.40	46.00	-34.60	AVG	
9		3.3140	13.21	9.72	22.93	56.00	-33.07	QP	
10		3.3140	1.08	9.72	10.80	46.00	-35.20	AVG	
11		5.0860	13.90	9.74	23.64	60.00	-36.36	QP	
12		5.0860	0.46	9.74	10.20	50.00	-39.80	AVG	

EMC Report Tel: 400-788-9558 0755-33019988 Web: Http://www.bctc-lab.com.cn Page 13 of 43



4. RADIATION EMISSION TEST

4.1. Block Diagram of Test Setup



Report No.: BCTC-FY160802015E

Ground Plane

4.2. Test Standard

EN 55022: 2010+AC:2011

4.3. Radiation Limit

Frequ	ency	Distance	Field Strengths Limits	Detector
MH	Ηz	(Meters)	dB(μV)/m	
30 ~	230	3	40.0	QP
230 ~	1000	3	47.0	QP
1000 ~	3000	3	76.0	PEAK
1000 ~	3000	3	56.0	AVERAGE
3000 ~	6000	3	80.0	PEAK
3000 ~	6000	3	60.0	AVERAGE

Remark:

- (1) Emission level $(dB(\mu V)/m) = 20 \log Emission level (\mu V/m)$
- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance refers to the distance in meters between the measuring instrument, antenna and the closed point of any part of the device or system.



4.4.EUT Configuration on Test

The EN55022 regulations test method must be used to find the maximum emission during radiated emission test.

Report No.: BCTC-FY160802015E

The configuration of EUT is the same as used in conducted emission test. Please refer to Section 2.2.

4.5. Operating Condition of EUT

Same as conducted emission test, which is listed in Section 2.2 except the test set up replaced as Section 4.1.

4.6. Test Procedure

The EUT and its simulators are placed on a turned table that is 0.8 meter above the ground. The turned 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 that is mounted on the antenna tower. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated biconical and log periodical antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on test. In order to find the maximum emission levels, the interface cable must be manipulated according to EN55022 on radiated emission test.

The bandwidth setting on the field strength meter (R&S Test Receiver ESCI) is set at 120KHz below 1GHz, set at 1MHz above 1GHz The frequency range from 30MHz to 1000MHz is checked.

The highest frequency of the internal sources of the EUT was 1.3GHz, so the measurement was only made up to 6GHz.

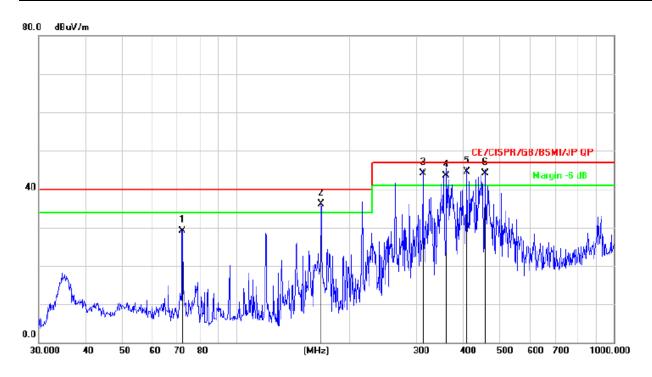
4.7. Test Result

PASS

Please refer to the following page.



Radiation Emission Test Data								
Temperature: 24.5 ℃ Relative Humidity: 54%								
Pressure:	1009hPa	Phase :	Horizontal					
Test Voltage:	AC 230V/50Hz	Test Mode:	ON Mode					

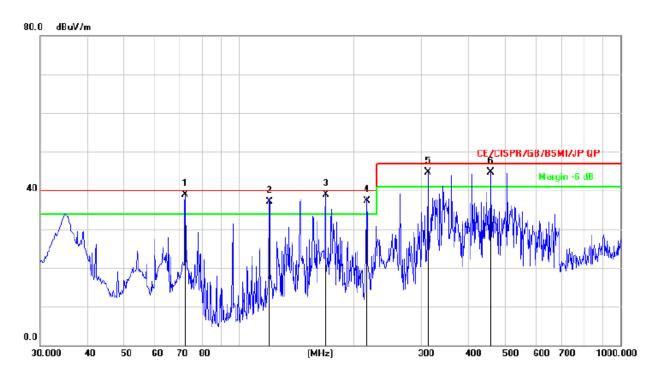


No	. N	Λk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
			MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector	cm	degree	Comment
1			72.0843	48.89	-19.71	29.18	40.00	-10.82	QP			
2	ļ	1	67.8243	54.73	-18.57	36.16	40.00	-3.84	QP			
3	ļ	3	12.1794	55.92	-11.84	44.08	47.00	-2.92	QP			
4	İ	3	60.4476	53.87	-10.40	43.47	47.00	-3.53	QP			
5	*	4	08.9460	53.66	-9.13	44.53	47.00	-2.47	QP			
6	į	4	55.9058	52.37	-8.33	44.04	47.00	-2.96	QP			

EMC Report Tel: 400-788-9558 0755-33019988 Web: Http://www.bctc-lab.com.cn Page 16 of 43



Radiation Emission Test Data									
Temperature: 24.5 ℃ Relative Humidity: 54%									
Pressure:	1009hPa	Phase :	Vertical						
Test Voltage : AC 230V/50Hz Test Mode: ON Mode									



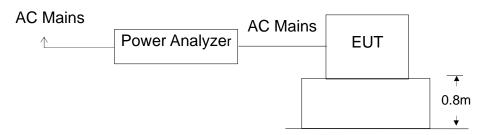
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector	cm	degree	Comment
1	İ	72.0843	58.57	-19.71	38.86	40.00	-1.14	QP			
2	ļ	119.8556	55.13	-18.07	37.06	40.00	-2.94	QP			
3	*	168.4138	57.47	-18.54	38.93	40.00	-1.07	QP			
4	ļ	216.0240	52.82	-15.61	37.21	40.00	-2.79	QP			
5	İ	312.1794	56.45	-11.84	44.61	47.00	-2.39	QP			
6	İ	457.5073	53.03	-8.30	44.73	47.00	-2.27	QP			

EMC Report Tel: 400-788-9558 0755-33019988 Web: Http://www.bctc-lab.com.cn Page 17 of 43



HARMONIC CURRENT EMISSION TEST 5.

5.1. Block Diagram of Test Setup



Report No.: BCTC-FY160802015E

5.2. Test Standard

EN 61000-3-2:2014

5.3. Operating Condition of EUT

- 5.1.1 Setup the EUT as shown in Section 5.1.
- 5.1.2 Turn on the power of all equipments.
- 5.1.3 Let the EUT work in test mode and test it.

5.4. Test Procedure

The power cord of the EUT is connected to the output of the test system. Turn on the power of the EUT and use the test system to test the harmonic current level.

5.5. Test Results

PASS

Please refer to the following page.

There is no need for Harmonic current test to be performed on this product (rated power is less than 75 W) in accordance with EN 61000-3-2.

For further details, please refer to Clause 7 of EN 61000-3-2 which states:

"For the following categories of equipment, limits are not specified in this standard:

- equipment with a rated power of 75 W or less, other than lighting equipment."



6. VOLTAGE FLUCTUATIONS & FLICKER TEST

6.1. Block Diagram of Test Setup

Same as Section 6.1..

6.2. Test Standard

EN 61000-3-3:2013

6.3. Operating Condition of EUT

Same as Section 5.3.. The power cord of the EUT is connected to the output of the test system. Turn on the power of the EUT and use the test system to test the harmonic current level.

Report No.: BCTC-FY160802015E

Flicker Test Limit

Test items	Limits
Pst	1.0
dc	3.3%
dmax	4.0%
dt	Not exceed 3.3% for
	500ms

6.4. Test Procedure

The power cord of the EUT is connected to the output of the test system. Turn on the power of the EUT and use the test system to test the harmonic current level.

6.5. Test Results

PASS

Please refer to the following page.



Flicker Test Data					
Temperature: 24.5 °C Relative Humidity: 54%					
Pressure: 1009hPa Phase : Vertical					
Test Voltage:	AC 230V/50Hz	Test Mode:	ON		

Voltage Fluctuation	Limit	Value
Relative Voltage Change Characteristic Tmax (dc>3%)	500 ms	0 ms
Maximum Relative Voltage Change dmax	4%	0.00
	6%	/
	7%	/
Relative Steady-state Voltage Change dc	3.3%	0.00

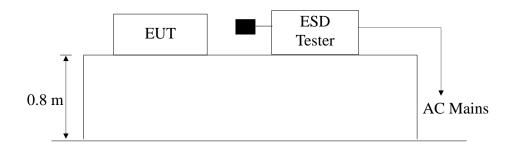
Flicker	Limit	Value
Short-term Flicker Indicator Pst	1.0	0.064
Long-term Flicker Indicator Plt	0.65	/

EMC Report Tel: 400-788-9558 0755-33019988 Web: Http://www.bctc-lab.com.cn Page 20 of 43



7. ELECTROSTATIC DISCHARGE IMMUNITY TEST

7.1. Block Diagram of Test Setup



Report No.: BCTC-FY160802015E

7.2. Test Standard

EN 55024:2010, EN 61000-4-2:2009

Severity Level: 3 / Air Discharge:±8KV Level: 2 / Contact Discharge:±4KV

7.3. Severity Levels and Performance Criterion

7.3.1 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
Х	Special	Special



7.3.2 Performance criterion: B

- **A.** The apparatus shall continue to operate as intended during and 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.
- **B.** The apparatus shall continue to operate as intended 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. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed.
- **C.** Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls.

7.4.EUT Configuration

The following equipments are installed on Electrostatic Discharge Immunity test to meet EN 55024:2010, EN 61000-4-2:2009, requirement and operating in a manner which tends to maximize its emission characteristics in a normal application. The configuration of EUT is the same as used in conducted emission test.

Please refer to Section 2.4.

7.5. Operating Condition of EUT

Same as conducted emission measurement, which is listed in Section 3.5 except the test setup replaced by Section 7.1.2.

7.6. Test Procedure

7.6.1 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.

7.6.2 Contact Discharge:

All the procedure shall be same as Section 7.6.1. Except that the tip of the discharge electrode shall touch the EUT before the discharge switch is operated.



7.6.3 Indirect discharge for horizontal coupling plane

At least 10 single discharges (in the most sensitive polarity) shall be applied at the front edge of each HCP opposite the center point of each unit (if applicable) of the EUT and 0.1m from the front of the EUT. The long axis of the discharge electrode shall be in the plane of the HCP and perpendicular to its front edge during the discharge.

7.6.4 Indirect discharge for vertical coupling plane

At least 10 single discharges (in the most sensitive polarity) shall be applied to the center of one vertical edge of the coupling plane. The coupling plane, of dimensions 0.5m X 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 complete illuminated.

7.7.Test Results

PASS

Please refer to the following page.

ESD Test Data					
Temperature: 24.5℃ Humidity: 53%					
Power Supply: AC 230V/50Hz Test Mode: On					

Air Discharge: ± 8KV

Contact Discharge: ± 4KV

For each point positive 25 times and negative 25 times discharge

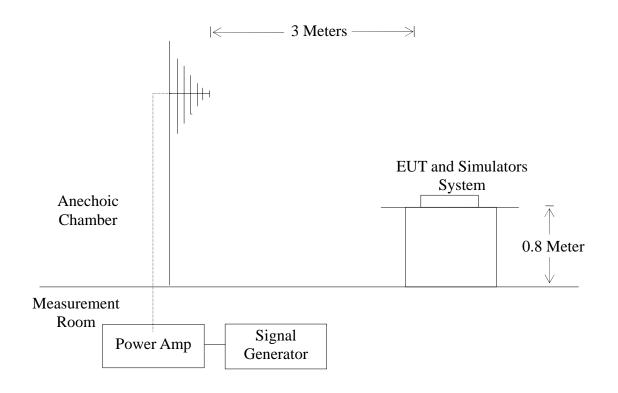
Test Points	Air Discharge	Contact Discharge	Performance Criterion	Result
Enclosure	±2,4,8KV	N/A	В	PASS
Slit	±2,4,8KV	N/A	В	PASS
Metal Part	N/A	±2,4 KV	В	PASS
VCP	N/A	±2,4 KV	В	PASS
HCP	N/A	±2,4 KV	В	PASS

Note: N/A



8. RF FIELD STRENGTH SUSCEPTIBILITY TEST

8.1. Block Diagram of Test Setup



Report No.: BCTC-FY160802015E

8.2. Test Standard

EN 55024:2010, EN 61000-4-3: 2006+A1:2008+A2:2010

Severity Level 2, 3V / m



8.3. Severity Levels and Performance Criterion

8.3.1. Severity level

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

8.3.2. Performance criterion: A

- A. The apparatus shall continue to operate as intended during and 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.
- B. The apparatus shall continue to operate as intended 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. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed.
- C. Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls.

8.4.EUT Configuration on Test

The following equipments are installed on Electrical Fast Transient/Burst Immunity test to meet EN 55024:2010, EN 61000-4-4:2012, requirement and operating in a manner which tends to maximize its emission characteristics in a normal application. The configuration of EUT is the same as used in conducted emission test.

Please refer to Section 3.4.

8.5. Operating Condition of EUT

Same as conducted emission measurement, which is listed in Section 2.5 except the test setup replaced by Section 8.1.



8.6. Test Procedure

The EUT and its simulators are placed on a turn table which is 0.8 meter above ground. EUT is set 3 meter away from the transmitting antenna which is mounted on an antenna tower. Both horizontal and vertical polarization of the antenna are set on test. Each of the four sides of EUT must be faced this transmitting antenna and measured individually.

Report No.: BCTC-FY160802015E

All the scanning conditions are as follows:

Condition of Test		Remarks
1.	Fielded Strength	3 V/m (Severity Level 2)
2.	Radiated Signal	Modulated
3.	Scanning Frequency	80 – 1000 MHz
4.	Dwell time of radiated	0.0015 decade/s
5.	Waiting Time	1 Sec.

8.7. Test Results

PASS

Please refer to the following page.

R/S Test Data						
Temperature : 25℃			Humidity: 53	%		
Field Strength: 3 V/	/m		Criterion: A			
Power Supply: AC	230V/50Hz		Frequency Ra	ange: 80	MHz to 1000 MHz	
Modulation:	☑ AM	☐ Pulse	□none	1 KHz	80%	
Test Mode: On						
	Freque	ncy Range : 8	0-1000MHz			
Steps	1 %					
	ŀ	Horizontal	Vertical		Result	
Front		А	A		Pass	
Right	A A Pass					
Rear		А	А		Pass	
Left		A A Pass				
Note: N/A	,		•	1		

EMC Report Tel: 400-788-9558 0755-33019988 Web: Http://www.bctc-lab.com.cn Page 26 of 43



9. ELECTRICAL FAST TRANSIENT/BURST IMMUNITY TEST

9.1. Block Diagram of EUT Test Setup



9.2. Test Standard

EN 55024:2010, EN 61000-4-4:2012

9.3. Severity Levels and Performance Criterion

Severity Level 2 at 1KV, Pulse Rise time & Duration: 5 nS / 50 nS Severity Level:

	Open Circuit Output Test Voltage ±10%				
Level	On power ports	On I/O(Input/Output)			
Level On power ports	Signal data and control ports				
1.	0.5KV	0.25KV			
2.	1KV	0.5KV			
3.	2KV	1KV			
4.	4KV	2KV			
X.	Special	Special			

Performance criterion: B

- A. The apparatus shall continue to operate as intended during and 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.
- B. The apparatus shall continue to operate as intended 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. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed.
- C. Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls.



9.4. EUT Configuration on Test

The following equipments are installed on Electrical Fast Transient/Burst Immunity test to meet EN 55024:2010, EN 61000-4-4:2012, requirement and operating in a manner which tends to maximize its emission characteristics in a normal application. The configuration of EUT is the same as used in conducted emission test.

Report No.: BCTC-FY160802015E

Please refer to Section 3.4.

9.5. Operating Condition of EUT

Same as conducted emission measurement, which is listed in Section 2.6 except the test setup replaced by Section 9.1.

9.6. Test Procedure

EUT shall be placed 0.8m high above the ground reference plane which is a min.1m*1m metallic sheet with 0.65mm minimum thickness. This reference ground plane shall 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 beneath the EUT, shall be more than 0.5m

9.6.1. For input and output AC power ports:

The EUT is connected to the power mains by using a coupling device which couples the EFT interference signal to AC power lines. Both polarities of the test voltage should be applied during compliance test and the duration of the test is 2 minutes.



9.7.Test Results

PASS

Please refer to the following page.

EFT Test Data						
Temperature:	24.5℃	Humidity: 53		3%		
Power Supply :	AC 230V/50Hz	Test Mo	ode:	Or	1	
	Tes	t Voltag	е		Performance	Result
Coupling Line	±0.5kV		±1kV		Criterion	
L	±0.5kV		±1kV		В	PASS
N	±0.5kV		±1kV		В	PASS
L-N	±0.5kV		±1kV		В	PASS
PE	±0.5kV		±1kV		В	N/A
L-PE	±0.5kV		±1kV		В	N/A
N-PE	±0.5kV		±1kV		В	N/A
L-N-PE	±0.5kV		±1kV		В	N/A
DC Line	/	_	/			/
Note: N/A						

EMC Report Tel: 400-788-9558 0755-33019988 Web: Http://www.bctc-lab.com.cn Page 29 of 43



10. SURGE TEST

10.1. Block Diagram of EUT Test Setup



Report No.: BCTC-FY160802015E

10.2. Test Standard

EN 55024:2010, EN61000-4-5:2014

10.3. Severity Levels and Performance Criterion

Severity Level: Line to Line, Level 2 at 1KV; Severity Level: Line to Earth, Level 3 at 2KV.

Severity Level	Open-Circuit Test Voltage (KV)
1.	0.5
2.	1.0
3.	2.0
4.	4.0
X.	Special

Performance criterion: B

- A. The apparatus shall continue to operate as intended during and 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.
- B. The apparatus shall continue to operate as intended 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. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed.
- C. Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls.



10.4. EUT Configuration on Test

The following equipments are installed on Electrical Fast Transient/Burst Immunity test to meet EN 55024:2010, EN61000-4-5:2014, requirement and operating in a manner which tends to maximize its emission characteristics in a normal application

Report No.: BCTC-FY160802015E

The configuration of EUT is the same as used in conducted emission test. Please refer to Section 3.4.

10.5. Operating Condition of EUT

Same as conducted emission measurement, which is listed in Section 2.7 except the test setup replaced by Section 10.1.

10.6. Test Procedure

- 1) Set up the EUT and test generator as shown on section 10.1
- 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.
- At least 5 positive and 5 negative (polarity) tests with a maximum 1/min repetition rate are conducted during test.
- 4) Different phase angles are done individually.
- Repeat procedure 2) to 4) except the open-circuit test voltage change from 1KV to 2KV for line to earth coupling mode test.
- 6) Record the EUT operating situation during compliance test and decide the EUT immunity criterion for above each test.



10.7. Test Result

PASS

Please refer to the following page.

				0	F4 D-	4			
Surge Test Data									
Temperat	:ure: 24.5℃		Humidity:		53%				
Power Sup	Supply: AC 230V/50H		dz Test Mode:		On				
Location	Polar	ity	Phase Angle	No of	Pulse	Pulse Voltag	ge F	Performance Criterion	Result
	±		0	5		1			Pass
L-N	±		90	5		1			Pass
L-IN	± ±		180	5		1			Pass
			270	5		1			Pass
	±		0	5		2		В	N/A
L-PE	±		90	5		2			N/A
L-PC	±	±	180	5		2		N/A	
	±		270	5		2			N/A
	±		0	5		2			N/A
N-PE	±		90	5		2			N/A
IN-FE	±		180	5		2			N/A
	±		270	5	1	2			N/A
Signal Line	±					0.5			N/A
Note: N/A									

EMC Report Tel: 400-788-9558 0755-33019988 Web: Http://www.bctc-lab.com.cn Page 32 of 43



11. INJECTED CURRENTS SUSCEPTIBILITY TEST

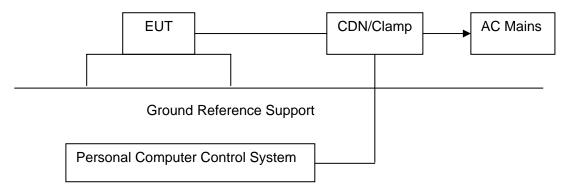
11.1. Block Diagram of EUT Test Setup

11.1.1. Block Diagram of EUT Test Setup



Report No.: BCTC-FY160802015E

11.1.2. Block Diagram of Test Setup



11.2. Test Standard

EN 55024:2010, EN61000-4-6:2014

11.3. Severity Levels and Performance Criterion

Severity Level 2: 3V(rms), 150KHz $\,\sim\,$ 80MHz Severity Level:

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



Performance criterion: A

- A. The apparatus shall continue to operate as intended during and 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.
- B. The apparatus shall continue to operate as intended 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. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed.
- C. Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls.

11.4. EUT Configuration on Test

The configuration of EUT is the same as used in conducted emission test. Please refer to Section 2.8.

11.5. Operating Condition of EUT

Same as conducted emission test, which is listed in Section 2.8 except the test set up replaced as Section 11.1.

11.6. Test Procedure

- 1) Set up the EUT, CDN and test generator as shown on section 11.1
- Let EUT work in test mode and measure.
- 3) The EUT and supporting equipments 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 at above 0.1-0.3m from EUT. Cables between CDN and EUT are as short as possible, and their height above the ground reference plane shall be between 30 and 50 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 150KHz 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 test and decide the EUT immunity criterion for above each test.

11.7. Test Result

PASS

Please refer to the following page.

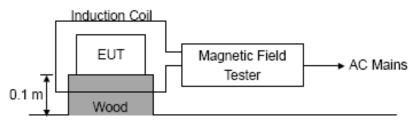
CS Test Data							
Temperature:		24.5℃		Humidity:		53%	
Power Supply :		AC 230V/50Hz		Test Mode:		On	
Frequency Range(MHz)	Injected Position	Strength	Modulation Signal	Freq. Step	Performance Criterion Res		Result
150KHz \sim 80MHz	AC Line	3V(rms), Unmodulated	AM 80%, 1kHz sine wave	1%	,	A	Pass
150KHz \sim 80MHz	DC Line	3V(rms), Unmodulated	AM 80%, 1kHz sine wave	1%		/	/
150KHz \sim 80MHz	Signal Line	3V(rms), Unmodulated	AM 80%, 1kHz sine wave	1%		/	/
Note: N/A							

EMC Report Tel: 400-788-9558 0755-33019988 Web: Http://www.bctc-lab.com.cn Page 35 of 43



12. MAGNETIC FIELD IMMUNITY TEST

12.1. Block Diagram of Test Setup



Ground Reference Support

12.2. Test Standard

EN 55024:2010, EN61000-4-8:2010 Severity Level 1 at 1A/m

12.3. Severity Levels and Performance Criterion

12.3.1 Severity level

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

12.3.2 Performance criterion: B

- A. The apparatus shall continue to operate as intended during and 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.
- B. The apparatus shall continue to operate as intended 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. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed.
- C. Temporary loss of function is allowed, provided the function is



self-recoverable or can be restored by the operation of the controls.

12.4. EUT Configuration on Test

The configuration of EUT is listed in Section 2.9.

12.5. Operating Condition of EUT

Same as conducted emission test, which is listed in Section 2.9 except the test set up replaced as Section 12.1.

12.6. Test Procedure

The EUT shall be subjected to the test magnetic field by using the induction coil of standard dimensions (1m*1m) and shown in Section 10.1. The induction coil shall then be rotated by 90° in order to expose the EUT to the test field with different orientations.

12.7. Test Results

PASS

Please refer to the following page.

MS Test Data							
Temperature:	24.5	5℃	Humidit	y:	53%		
Power Supply :	AC 230V/50Hz		Test Mod	le:	On		
	,						
Environmental Phenomena	Test specification	Units	Coil Orientation	Performan ce Criterion	Result		
			Х	А	PASS		
Magnetic Field	1	A/m	Y	А	PASS		
			Z	Α	PASS		
Note: N/A							

EMC Report Tel: 400-788-9558 0755-33019988 Web: Http://www.bctc-lab.com.cn Page 37 of 43



13. VOLTAGE DIPS AND INTERRUPTIONS TEST

13.1. Block Diagram of EUT Test Setup



Report No.: BCTC-FY160802015E

13.2. Test Standard

EN 55024:2010, EN61000-4-11:2004

13.3. Severity Levels and Performance Criterion

Severity Level:

Input and Output AC Power Ports.

✓ Voltage Dips.

✓ Voltage Interruptions.

Environmental	Test Specification	Units	Performance
Phenomena			Criterion
	>95	% Reduction	В
Voltage Dips	0.5	period	Б
	30	% Reduction	C
	25	period	C
Voltage	>95	% Reduction	С
Interruptions	250	period	C

Performance criterion: B, C, C

- A. The apparatus shall continue to operate as intended during and 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.
- B. The apparatus shall continue to operate as intended 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. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed.
- C. Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls.



13.4. EUT Configuration on Test

The configuration of EUT is the same as used in conducted emission test. Please refer to Section 2.10.

Report No.: BCTC-FY160802015E

13.5. Operating Condition of EUT

Same as conducted emission test, which is listed in Section 2.10 except the test set up replaced as Section 13.1.

13.6. Test Procedure

- 1) Set up the EUT and test generator as shown on section 13.1
- 2) The interruption is introduced at selected phase angles with specified duration. There is a 3mins minimum interval between each test event.
- 3) After each test a full functional check is performed before the next test.
- 4) Repeat procedures 2 & 3 for voltage dips, only the level and duration is changed.
- 5) Record any degradation of performance.

13.7. Test Result

PASS

Please refer to the following page.

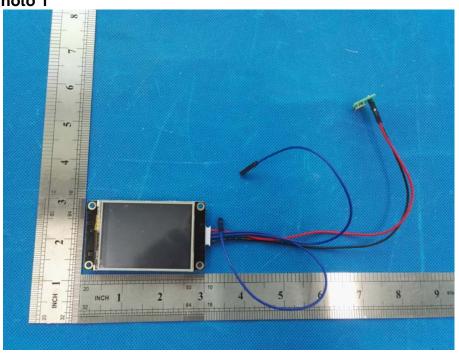
DIPS Test Data						
Temperature:	24.5℃	Humidity:	53%			
Power Supply :	AC 230V/50Hz	Test Mode:	On			
Environmental Phenomena	Test Specification	Units	Performance Criterion			
Voltage Dine	>95 0.5	% Reduction period	В			
Voltage Dips	30 25	% Reduction period	С			
Voltage Interruptions	>95 250	% Reduction period	С			



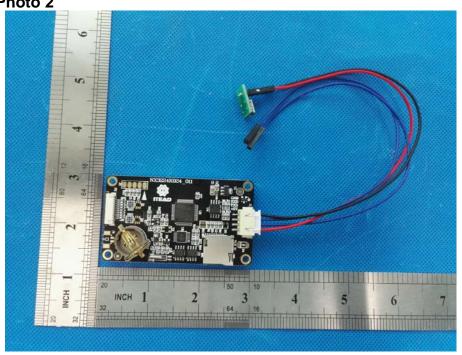


14. EUT PHOTOGRAPHS

EUT Photo 1



EUT Photo 2





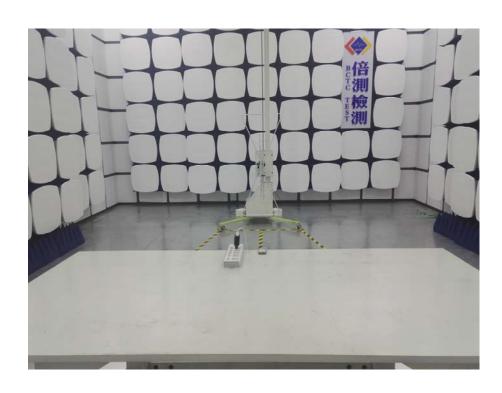


15. EUT TEST PHOTOGRAPHS

CE



RE





RS

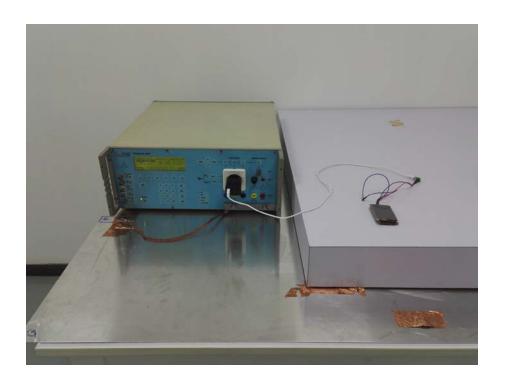


ESD





SURGE



**** END OF REPORT ****