20140002116D

CNAS L1379

No. JB141671-EMC

EMC Lab. for Automation Equipment, State Grid Co. of China

TEST REPORT

Test classification: Type test

Name of sample: T200A Universal Tester

Customer: Ponovo Power Co., Ltd

Stamp:

Digitally signed by Boaghe Dumitru
Date: 2024.11.21 11:43:03 EET
Reason: MoldSign Signature
Location: Moldova
MOLDOVA EUROPEANĂ

Date of issue: Mar. 16, 2015

SUMMARY OF TEST REPORT

Type of sample	T200A	Name of sample	Universal Tester
Test classification	Type test	Customer	Ponovo Power Co., Ltd
Quantity of sample	1	Sample No.	JB141671
Receiving date	Dec.4th, 2014	Receiving status of sample	None
Software Edition	/	Software Check Code	/
Test date	Dec.4th, 2014		
Test Place	No. 2 Gaoke 4 road, Pukou high-tech zone, Nanjing, China		
Standards for test	IEC 61000-4-2:2008 Testing and measurement techniques - Electrostatic discharge immunity test IEC 61000-4-3:2010 Testing and measurement techniques - Radiated radio-frequency electromagnetic field immunity test IEC 61000-4-12:2006 Testing and measurement techniques-Oscillatory Waves Immunity Test		

Main test instruments: name, type , Serial number and Calibration period of validity

ESD simulator	ONYX16	NY140100039
Signal Generator	SML03	NY140100010
Amplifier	200W1000M7A	NY1801006
Antenna	AT1080	NY1802001
Oscillation Wave Generator	PSURGE 8000	NY1313002

Conclusion	T200A Universal Tester entrusted by Ponovo Power Co., Ltd has been quality inspected. The inspection comprises: Electrostatic discharge immunity / Oscillatory Waves Immunity / Radiated radio-frequency electromagnetic field immunity . The inspection result complies with requirements of the referenced standard. (See p.3 to p.5 of this report for detail.)			
Tested by	Chen Yangyang		Yuan Chunmu	
In charge of	Chen Yangyang	Checked by	Fu Jingbo	Typed by Chen Yangyang
Examined by	Tang Xiaojun		Approved by	Shi Yuxiang

Statement:

1. It is not permitted to reproduce partly and alter this report without our written approval (except entirely).
2. The submitted company should appeal against the test report within 15 days after the reporting date.
3. This test report is only responsible for the test sample. The valid period of the report is according to standards listed above. The test should be done again if significant changes of article had been made.

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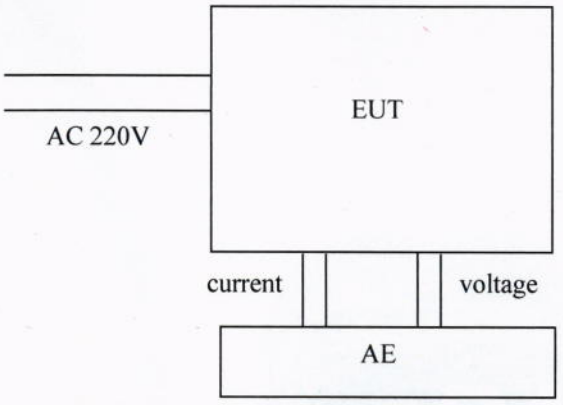
CONTENTS

_1 Diagram of EUT set- up



2 Electrostatic Discharge Immunity

Date: Dec.4th, 2014 Temperature: 17℃ Relative humidity: 47%

Reference standard:

IEC 61000-4-2: 2008 Testing and measurement techniques - Electrostatic discharge immunity test

General Requirement:

The EUT should work normally during test with stable current/ voltage output.

Test Level: 3;

Test Value:

Air Discharge: ±8kV;

Contact Discharge: ±6kV。

Test Procedure:

±8kV discharge voltage was applied on the metal parts and ±15kV was applied on the non-metal surface of the EUT. More than 10 times positive and negative discharge should be applied during each test. Observe working condition of the tested equipment.

Test set-up:

Results:

Test Method	Air Discharge	Contact Discharge
Influence to EUT	None	None

Conclusion: **PASS**

3 Oscillatory Waves Immunity

Date: Dec.4th, 2014 Temperature: 17℃ Relative humidity: 47%

Reference standard:

IEC 61000-4-12:2006 Testing and measurement techniques-Oscillatory Waves Immunity Test

General Requirement:

The EUT should work normally during test with stable current/ voltage output.

Test Level: 3;

Test Value:

Peak Value: ±2.5kV(Common Mode); ±1kV(Differential Mode);

Oscillation Frequency: 100kHz、1MHz

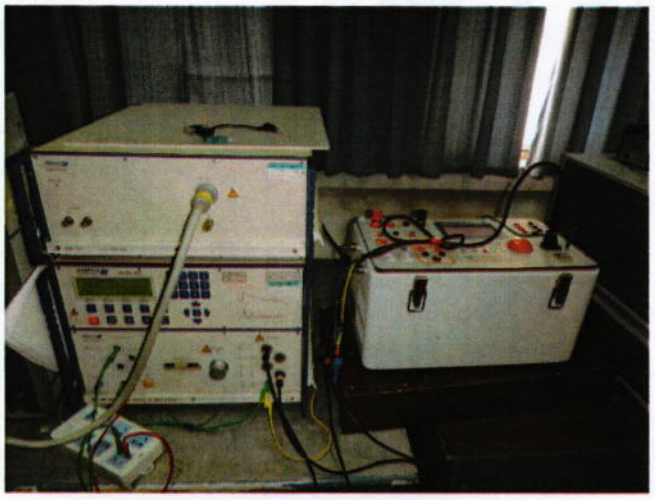
Duration of test: >2s;

Repetition Rate: 400/s

Test Procedure:

The EUT was set up according to correlative standard. Test voltage was applied in common mode and differential mode to Power port.

Test set-up:



Results:

Test Ports	Power
Influence to EUT	None

Conclusion: **PASS**

4 Radiated, radio-frequency, electromagnetic field Immunity

Date: Dec.4th, 2014 Temperature: 17℃ Relative humidity: 47%

Reference standard:

IEC61000-4-3: 2011 Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test

General Requirement:

The EUT should work normally during test with stable current/ voltage output.

Test Value:

Levels	10V/m
Frequency range	80MHz –1000MHz with 80% AM at 1kHz
Step Size	1% Log
Dwell time	0.5s

Test Procedure:

The EUT ran normally and was put on the area of uniform field of 10V/m. Then observe working condition of the EUT.

Results:

Polarization	Horizontal		Vertical	
Position of EUT	Front	Back	Front	Back
Influence to EUT	None	None	None	None

Conclusion: **PASS**

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