

TEST REPORT

for

ForinnBase GroundPool

Model: GP5016-2401 (Other models please refer page 3)

Prepared for: LUISUAN TECHNOLOGY CO., LTD
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Alan Zhang



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Brian Wong

The results detailed in this test report relate only to the specific sample(s) tested. It is the Application's responsibility to ensure that all production units are manufactured with equivalent EMC characteristics. This report is not to be reproduced, except in full, without the written approval of Honton Compliance Laboratories.

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1.0 General Details

1.1 Test Lab Details

Name : Honton Compliance Laboratories (Shenzhen) Co., Ltd.
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1.2 Applicant Details

Applicant: LUISUAN TECHNOLOGY CO., LTD
Address: No.803-2, Block 20, Dongyiwan Yihu House, Waihuan Road No.16, Xiaohuangpu Community,
Ronggui Street, Shunde District, Foshan, Guangdong

Manufacturer: LUISUAN TECHNOLOGY CO., LTD
Address: No.803-2, Block 20, Dongyiwan Yihu House, Waihuan Road No.16, Xiaohuangpu Community,
Ronggui Street, Shunde District, Foshan, Guangdong

1.3 Description of EUT

Product: ForinnBase GroundPool
Model No.: GP5016-2401
Additional Model No.: GP5016-2402, GP5014-2401, GP5014-2402, GP5012-2401, GP5012-2402
Model Difference: All models are similar except for the model name and the color of the product enclosure. All tests were carried out on model GP5016-2401.
Brand Name: N/A
Additional Trade Name: N/A
Rating: Input: 100-240VAC /5A X 2, 50/60Hz
Output: 5VDC/500mA X 2
Remark: N/A

1.4 Submitted Sample

1 Sample

1.5 Test Duration

Nov. 24, 2023 to Dec. 06, 2023

2.0 List Test Equipments					
Name	Model No.	Serial No.	Manufacturer	Date of Cal.	Due Date
Conducted emission					
EMI Test Receiver	ESCS30	100139	R&S	2023-04-28	2024-04-27
LISN	LS16C	16010222119	AFJ	2023-04-28	2024-04-27
Radiated emission					
EMI Test Receiver	ESCS30	100139	R&S	2023-04-13	2024-04-12
Spectrum Analyzer	FSEM	1079.8500.30	R&S	2023-04-13	2024-04-12
Amplifier	8447D	2727A05017	H.P.	2023-04-28	2024-04-27
Antenna	VULB9163	N/A	SCHWARZBECK	2023-04-28	2024-04-27
Amplifier	EM30265	07032613	EM Electronics Corporation	2023-04-28	2024-04-27
Positioning Controller	CC-C-1F	MF7802140	C & C LAB	2023-04-28	2024-04-27
Harmonic & Flicker					
Harmonics Flicker Test System	PACS-1	72305	CI	2023-04-13	2024-04-12
5K VA AC Power source	5001iX	56060	CI	2023-04-13	2024-04-12
Electrostatic Discharge					
Electostatic Discharge Generator	ESD61002AG	PR12092502	Prima	2023-04-28	2024-04-27
Continuous radiated disturbances					
Signal Generator	2022D	119246/003	Maconi	2023-04-28	2024-04-27
Power Amplifier	A00181-1000	9801-112	M2S	2023-04-13	2024-04-12
Power Amplifier	AC8113/ 800-250A	9801-179	M2S	2023-04-13	2024-04-12
Power Antenna	CBL6140A	1204	SCHAFFNER	2023-04-28	2024-04-27
EFT/Surge/Dip					
Fast Transient Burst Simulator	EFT61004BG	PR12074375	Prima	2023-04-13	2024-04-12
Lightning Surge Generator	SUG61005BG	PR12125534	Prima	2023-04-13	2024-04-12
CYCLE SAG SIMULATOR	DRP61011AG	PR12106201	Prima	2023-04-13	2024-04-12
Continuous conducted disturbances					
Signal Generator	2022D	119246/003	Maconi	2023-04-13	2024-04-12

Power Amplifier	A00181-1000	9801-112	M2S	2023-04-13	2024-04-12
CDN	M3-8016	003683	MEB	2023-04-13	2024-04-12
Power-frequency Magnetic field					
Continuous Wave Simulator	UCS 500 M4	0304-42	EM TEST	2023-04-28	2024-04-27
Power Source Network	MV 2616	0104-14	EM TEST	2023-04-28	2024-04-27
Current Transformer	MC2630	--	EM TEST	2023-04-28	2024-04-27
Magnetic Coil	MS100	0304-42	EM TEST	2023-04-28	2024-04-27

N/A=not applicable

3.0 Technical Details

3.1 Investigations Requested

Perform Electromagnetic Interference [EMI] & Electromagnetic Susceptibility [EMS] tests for CE Marking

3.2 Test Standards

EN 55032:2015+A11:2020	Electromagnetic compatibility of multimedia equipment - Emission requirements
EN IEC 61000-3-2: 2019+A1:2021	Electromagnetic compatibility(EMC)- Part 3-2:Limits-Limits for harmonic current emissions(equipment input current $\leq 16A$ per phase)
EN 61000-3-3: 2013+A1:2019+A2:2021	Electromagnetic compatibility (EMC)- Part 3-3:Limits-Limitation of voltage changes, Voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current $\leq 16A$ per phase and not subject to conditional connection
EN 55035: 2017+A11:2020	Information technology equipment - Immunity characteristics - Limits and methods of measurement

3.3 Performance Criteria

- Criterion A During and after the test the EUT shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed.
- Criterion B During the test, degradation of performance is allowed. However, no change of operating state or stored data is allowed to persist after the test.
- Criterion C During and after testing, temporary loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls or cycling of the power to the EUT by the user in accordance with the manufacturer' instructions. Functions, and/or information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

3.4 Test standards and Results Summary Tables

Test Condition	Test Requirement	Test Method	Test Result
EMISSION Results Summary			
Conducted Emission from the AC Mains Power Ports	EN 55032:2015+A11:2020	EN 55032:2015+A11:2020	Pass
Conducted Emission from Asymmetric Mode	EN 55032:2015+A11:2020	EN 55032:2015+A11:2020	N/A
Radiated Emissions	EN 55032:2015+A11:2020	EN 55032:2015+A11:2020	Pass
Harmonic Current Emissions	EN IEC 61000-3-2:2019+A1:2021	EN IEC 61000-3-2:2019+A1:2021	Pass
Voltage fluctuations & flicker	EN 61000-3-3: 2013+A1:2019 + A2:2021	EN 61000-3-3: 2013+A1:2019 + A2:2021	Pass
IMMUNITY Results Summary			
Electrostatic Discharge	EN 55035: 2017+ A11:2020	IEC 61000-4-2: 2008	Pass
Continuous RF electromagnetic field disturbances	EN 55035: 2017+ A11:2020	IEC 61000-4-3: 2020	Pass
Electrical Fast transient /Burst Immunity	EN 55035: 2017+ A11:2020	IEC 61000-4-4:2012	Pass
Surge	EN 55035: 2017+ A11:2020	IEC 61000-4-5: 2014+A1:2017	Pass
Continuous induced RF disturbance	EN 55035: 2017+ A11:2020	IEC 61000-4-6: 2013	Pass
Power-frequency Magnetic Field	EN 55035: 2017+ A11:2020	IEC 61000-4-8:2009	Pass
Voltage Dips/Interruptions	EN 55035: 2017+ A11:2020	IEC 61000-4-11: 2020	Pass

Note: N/A=Not applicable

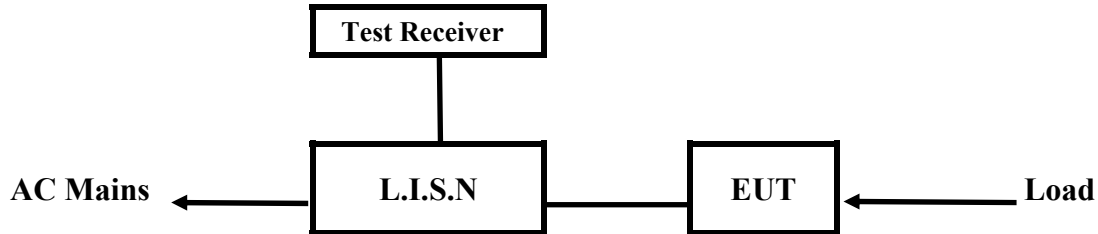
3.5 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	MU
1.	Temperature	±0.1°C
2.	Humidity	±1.0%
3.	Spurious emissions, conducted	±3.70dB
4.	All emissions, radiated	±4.50dB

4.0 Electromagnetic Interference Test results

4.1 Conducted Emission from the AC Mains Power Ports Test

4.1.1 Schematics of the test



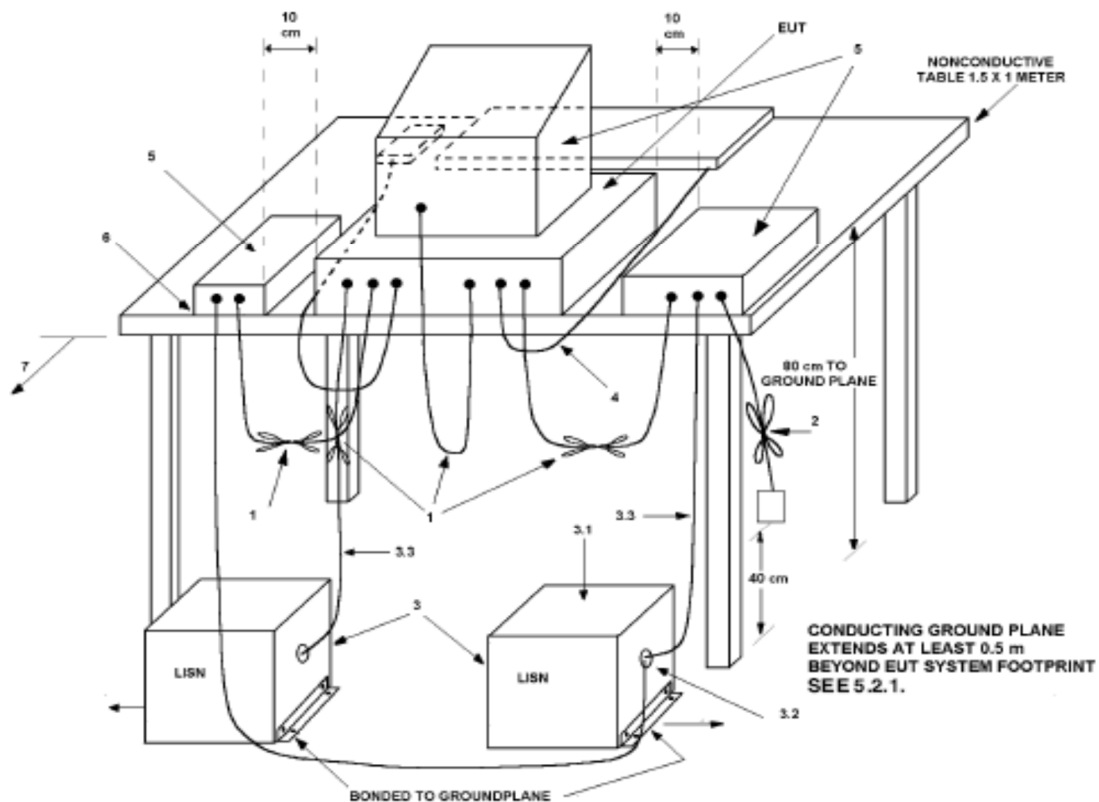
EUT: Equipment Under Test

4.1.2 Test Method and test Procedure

The test was performed in accordance with EN 55032:2015+A11:2020

Test Voltage: 230V~, 50Hz

Block diagram of Test setup



4.1.3 EUT Operating Condition

Operating condition is according to EN 55032:2015+A11:2020

Setup the EUT and simulators as shown on the following

4.1.4 Test Equipment

Please refer to the Section 2

4.1.5 Conducted Emission Limit from the AC Mains Power Ports

Frequency(MHz)	Class A Limits (dB μ V)		Class B Limits (dB μ V)	
	Quasi-peak Level	Average Level	Quasi-peak Level	Average Level
0.15 ~ 0.50	79.0	66.0	66.0~56.0*	56.0~46.0*
0.50 ~ 5.00	73.0	60.0	56.0	46.0
5.00 ~ 30.00	73.0	60.0	60.0	50.0

- Notes:
1. *Decreasing linearly with logarithm of frequency.
 2. The tighter limit shall apply at the transition frequencies

4.1.6 Photo documentation of the test set-up

Please refer to the Section 7

4.1.7 Test specification:

Environmental conditions: Temperature: 23° C Humidity: 50% Atmospheric pressure: 103kPa

Frequency range: 0.15 MHz – 30 MHz

4.1.8 Test result

Min. limit margin 14.28dB at 51.72 MHz

The requirements are FULFILLED

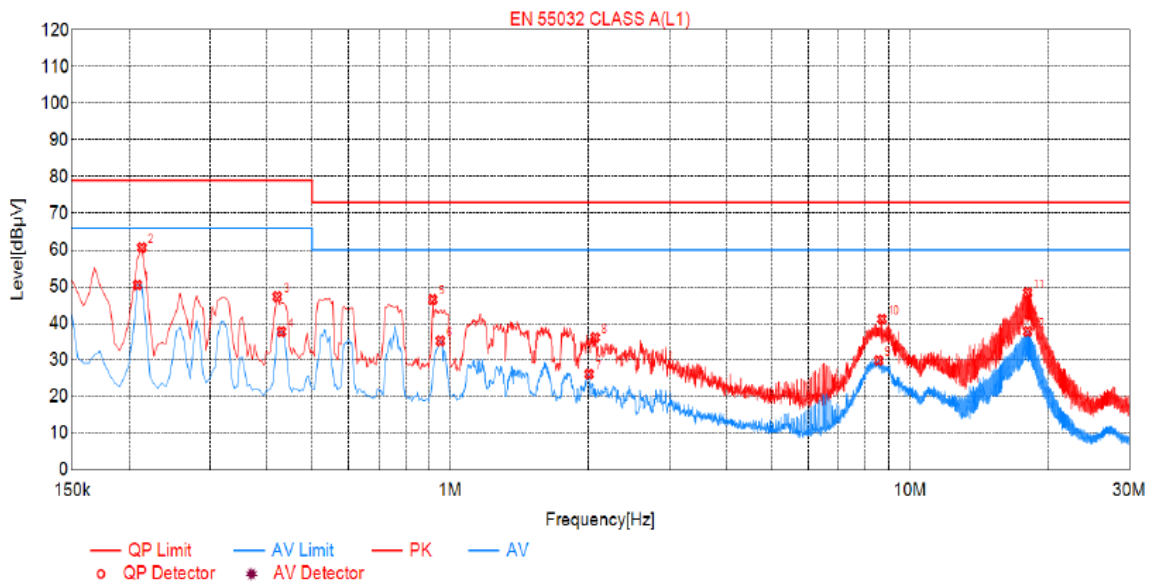
Remarks: According to the EN 55032:2015+A11:2020

A Conducted Emission on Live Terminal of AC Mains Power Ports (150kHz to 30MHz)

EUT Description: ForinnBase GroundPool

Operation Mode: Normal operation mode

Start Frequency	Stop Frequency	Step	IF BW	Detector	Final M-Time
0.15MHz	30MHz	4.5KHz	10KHz	QP+AV	1s



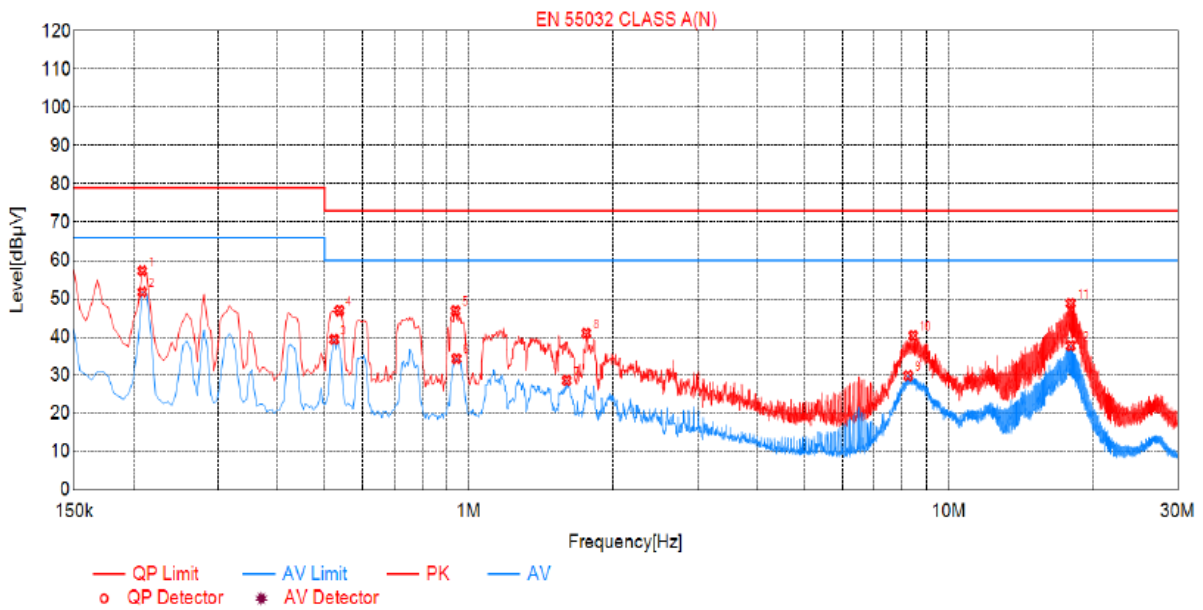
Frequency (MHz)	Reading(dBµV)				Limit (dBµV)	
	Live		Neutral		Quasi-peak	Average
	Quasi-peak	Average	Quasi-peak	Average		
0.2085	--	50.42	--	--	--	66.00
0.2130	60.62	--	--	--	79.00	--
0.4200	47.21	--	--	--	79.00	--
0.4290	--	37.71	--	--	--	66.00
0.9150	46.44	--	--	--	73.00	--
0.9510	--	35.20	--	--	--	60.00
2.0040	--	26.11	--	--	--	60.00
2.0670	36.13	--	--	--	73.00	--
8.5515	--	29.86	--	--	--	60.00
8.7000	41.15	--	--	--	73.00	--
18.0420	48.31	--	--	--	73.00	--
18.0420	--	37.78	--	--	--	60.00

B Conducted Emission on Neutral Terminal of the AC Mains Power Ports (150kHz to 30MHz)

EUT Description: ForinnBase GroundPool

Operation Mode: Normal operation mode

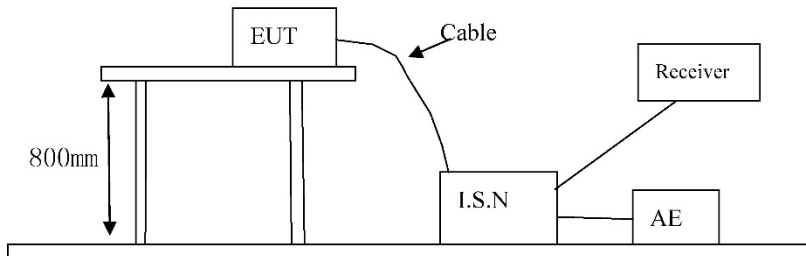
Start Frequency	Stop Frequency	Step	IF BW	Detector	Final M-Time
0.15MHz	30MHz	4.5KHz	10KHz	QP+AV	1s



Frequency (MHz)	Reading(dBµV)				Limit (dBµV)	
	Live		Neutral		Quasi-peak	Average
	Quasi-peak	Average	Quasi-peak	Average		
0.2085	57.23	--	--	--	79.00	--
0.2085	--	51.72	--	--	--	66.00
0.5235	--	39.32	--	--	--	60.00
0.5370	46.85	--	--	--	73.00	--
0.9375	46.78	--	--	--	73.00	--
0.9420	--	34.29	--	--	--	60.00
1.5990	--	28.57	--	--	--	60.00
1.7565	40.97	--	--	--	73.00	--
8.2365	--	29.84	--	--	--	60.00
8.4390	40.32	--	--	--	73.00	--
17.9745	48.74	--	--	--	73.00	--
17.9745	--	37.70	--	--	--	60.00

4.2 Conducted Emission from Asymmetric Mode Test

4.2.1 Test Method: The test was performed in accordance with EN 55032:2015+A11:2020



4.2.2 EUT Operating Condition

Operating condition is according to EN 55032:2015+A11:2020

4.2.3 Test Equipment

Please refer to the Section 2

4.2.4 Conducted Emission Limit from Asymmetric Mode

Frequency(MHz)	Class A Limits (dB μ V)		Class B Limits (dB μ V)	
	Quasi-peak Level	Average Level	Quasi-peak Level	Average Level
0.15 ~ 0.50	97 to 87	84 to 74	84 to 74	74 to 64
0.50 ~ 30.00	87	74	74	64

- Notes:
1. *Decreasing linearly with logarithm of frequency.
 2. The tighter limit shall apply at the transition frequencies

4.2.5 Test specification:

Environmental conditions: Temperature: 23° C Humidity: 50% Atmospheric pressure: 103kPa

Frequency range: 0.15 MHz – 30 MHz

4.2.6 Test result

N/A

Remarks: According to the EN 55032:2015+A11:2020

A Conducted Emission from Asymmetric Mode (150kHz to 30MHz)

EUT Description: --
 Operation Mode: --
 Tested By: --
 Test date: --
 Result N/A

Start Frequency Stop Frequency Step IF BW Detector Final M-Time
 0.15MHz 30MHz 4.5KHz 10KHz QP+AV 1s

Frequency (MHz)	Port	Reading(dBμV)		Limit(dBμV)	
		Quasi-peak	Average	Quasi-peak	Average

4.3.3 EUT Operating Condition

Operating condition is according to EN 55032:2015+A11:2020

4.3.4 Radiated Emission Limit

All emission from a computing device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

Frequency Range (MHz)	Distance (m)	Quasi-Peak limits (dB μ V/m)	
		Class A Limits	Class B Limits
30-230	3	50.00	40.00
230-1000	3	57.00	47.00
1000-3000	3	76(Peak) 56(Average)	70(Peak) 50(Average)
3000-6000	3	80(Peak) 60(Average)	74(Peak) 54(Average)

Note: 1) The lower limit shall apply at the transition frequencies
 2) If measurement is not made at 3m distance, then F.S Limitation at 3m distance is adjusted by using the formula $Ld1 = Ld2 * (d2/d1)$

4.3.5 Photo documentation of the test set-up

Please refer to the Section 7

4.3.6 Test Equipment:

Please refer to the Section 2

4.3.7 Test specification:

Environmental conditions: Temperature 24° C Humidity: 46% Atmospheric pressure: 103kPa

4.3.8 Test result

Min. limit margin 9.37 dB at 299.660 MHz

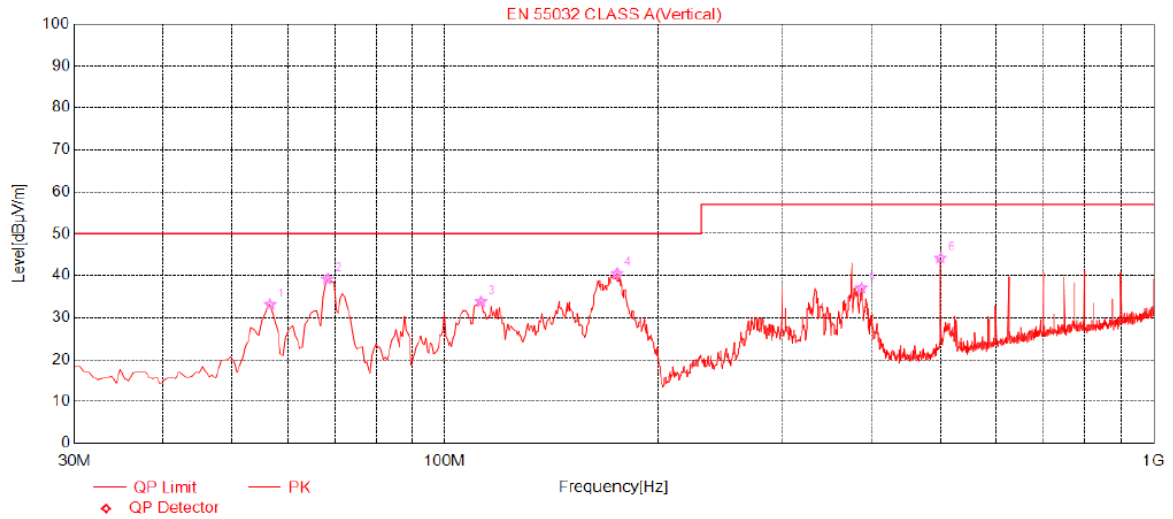
The requirements are FULFILLED

Remarks: According to the EN 55032:2015+A11:2020

A. Radiated Emission In Vertical (30MHz----1000MHz)

EUT Description: ForinnBase GroundPool

Operation Mode: Normal operation mode

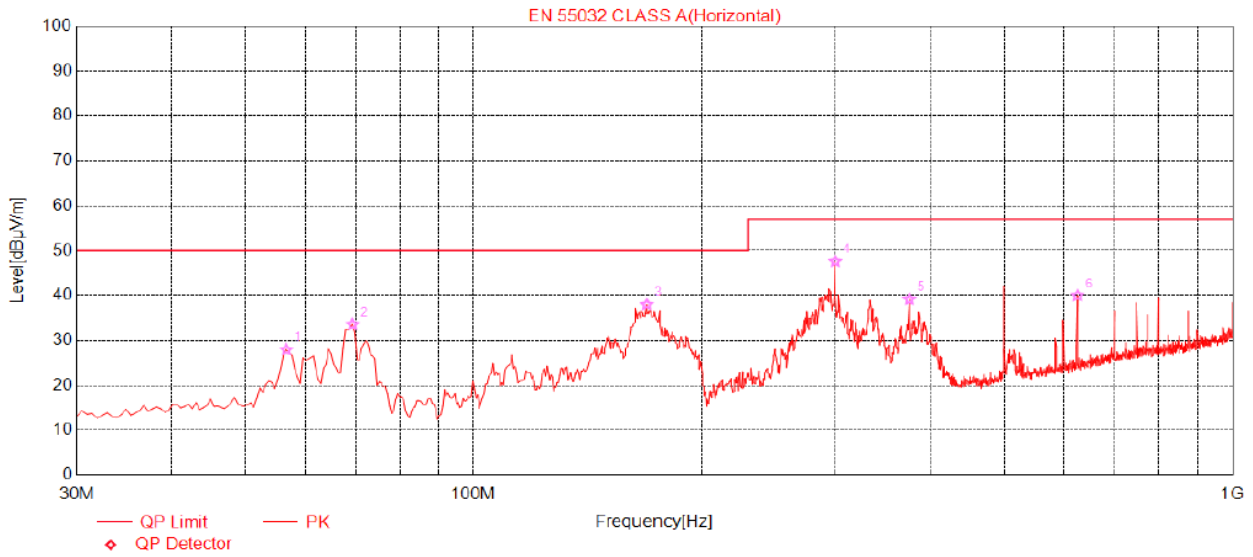


Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
56.6750	33.10	V	50.00
68.3150	39.20	V	50.00
112.450	33.83	V	50.00
175.015	40.52	V	50.00
386.960	37.02	V	57.00
500.450	44.14	V	57.00

B. Radiated Emission In Horizontal (30MHz----1000MHz)

EUT Description: ForinnBase GroundPool

Operation Mode: Normal operation mode



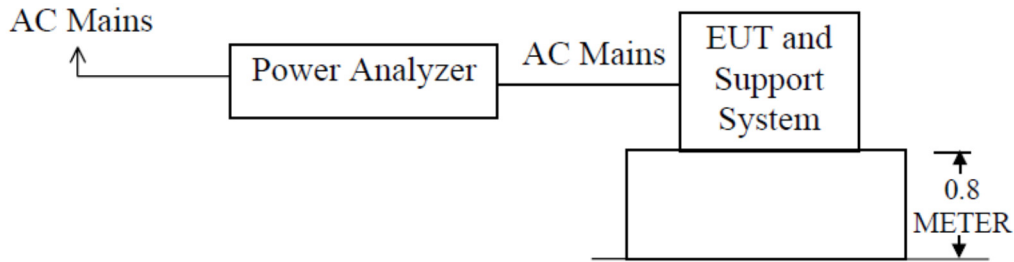
Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
56.6750	27.90	H	50.00
69.2850	33.55	H	50.00
169.195	37.99	H	50.00
299.660	47.63	H	57.00
375.320	39.18	H	57.00
625.095	39.96	H	57.00

4.4 Harmonic Current Emissions

4.4.1 EUT Operating Mode

Normal operation mode

4.4.2 Block Diagram of Test Setup.



This test was performed as per EMC Basic Standard EN IEC 61000-3-2 Class A

4.4.3 Test Equipment

Please refer to Section 2 this report.

4.4.4 Test specification:

Environmental conditions: Temperature: 23° C Humidity: 54% Atmospheric pressure: 103kPa

4.4.5 Results

Port	EUT Operating mode	Result (Passed / Failed)
AC Input	Normal operation mode	Pass

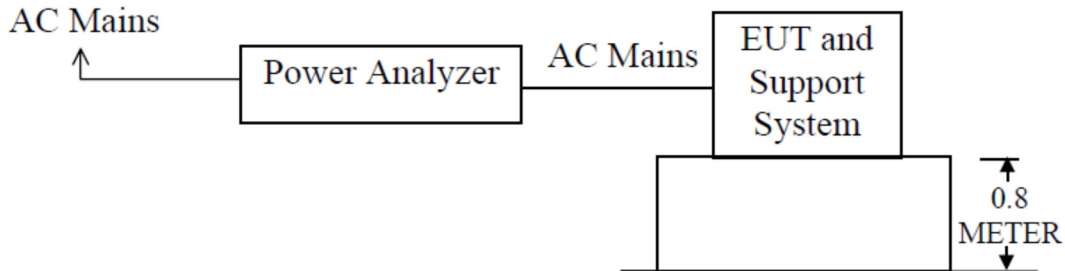
Note: N/A=Not applicable

4.5 Voltage fluctuations & flicker

4.5.1 EUT Operating Mode

Normal operation mode

4.5.2 Block Diagram of Test Setup.



This test was performed as per EMC Basic Standard EN 61000-3-3

4.5.3 Limits of Voltage fluctuations & flicker Measurement

Test Item	Limit	Note
P_{st}	1.0	Pst means short-term flicker indicator
P_{lt}	0.65	Plt means long-term flicker indicator
T_{dt} (ms)	200	Tdt means maximum time that dt exceeds 3%.
d_{max} (%)	4	Dmax means maximum relative voltage change.
dc (%)	3	Dc means relative steady-state voltage change.

4.5.4 Test Equipment

Please refer to Section 2 this report.

4.5.5 Test specification:

Environmental conditions: Temperature: 23° C Humidity: 54% Atmospheric pressure: 103kPa

4.5.6 Results

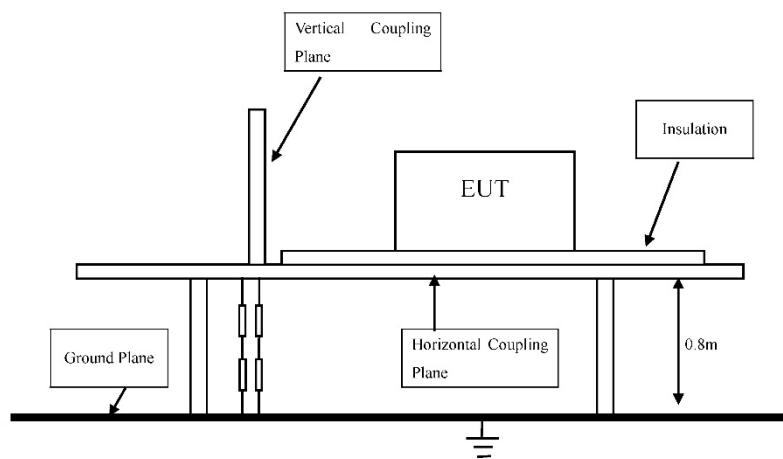
Port	EUT Operating mode or operating mode no.	Result (Passed / Failed)
AC Input	Normal operation mode	Pass

Note: N/A=Not applicable

5.0 Immunity Test

5.1 Electrostatic Discharge

5.1.1 Schematic of the test



5.1.2 Test method

The test was performed in accordance with IEC 61000-4-2

5.1.3 Test severity

±4kV for direct & in-direct Contact Discharge

±8kV for air Discharge

Performance Criterion Require: A

5.1.4 Test Equipment

Please refer to Section 2 this report.

5.1.5 Test specification:

Environmental conditions: Temperature: 23° C Humidity: 54% Atmospheric pressure: 103kPa

5.1.6 Operation mode: Normal operation mode

5.1.7 Discharge location

- HCP
- VCP
- Metal

5.1.8 Test Result Pass

5.2 Continuous RF electromagnetic field disturbances (80MHz---1000MHz)

5.2.1 Test Method:

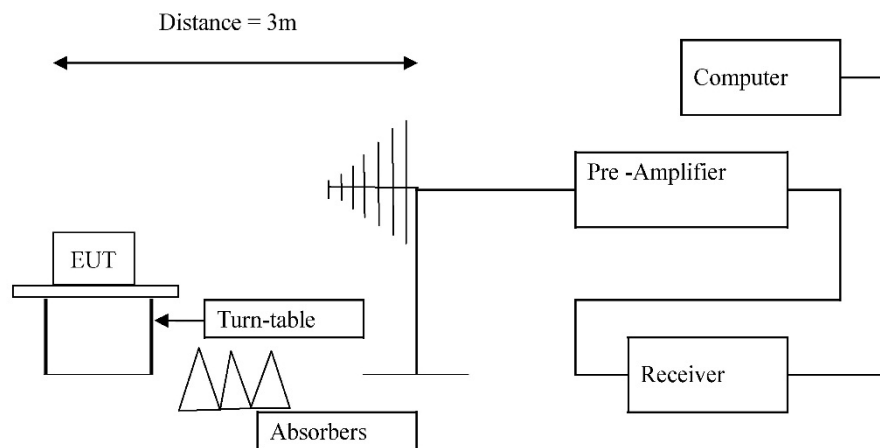
The test was performed in accordance with IEC 61000-4-3

Severity: Level 2 (3V/m)

Modulation: 1 KHz 80% AM

Performance Criterion Require: A

Block diagram of Test setup



5.2.2 Test Equipment

Please refer to Section 2 this report.

5.2.3 Test specification:

Environmental conditions: Temperature: 21° C Humidity: 54% Atmospheric pressure: 103kPa

5.2.4 Operation mode: Normal operation mode

5.2.5 Test Result:

Please refer to the following table for individual results.

Frequency (MHz)	Radiation to	Polarity	Level (V/m)	Dwell Time(s)	Sweep Rate (%)	Results
80-1000	Front	Horizontal	3	1	1	Pass
80-1000	Rear	Horizontal	3	1	1	Pass
80-1000	Left	Horizontal	3	1	1	Pass
80-1000	Right	Horizontal	3	1	1	Pass
80-1000	Front	Vertical	3	1	1	Pass
80-1000	Rear	Vertical	3	1	1	Pass
80-1000	Left	Vertical	3	1	1	Pass
80-1000	Right	Vertical	3	1	1	Pass

5.3 Electrical Fast Transient/Burst (EFT/B) immunity test

5.3.1 Schematics of the test



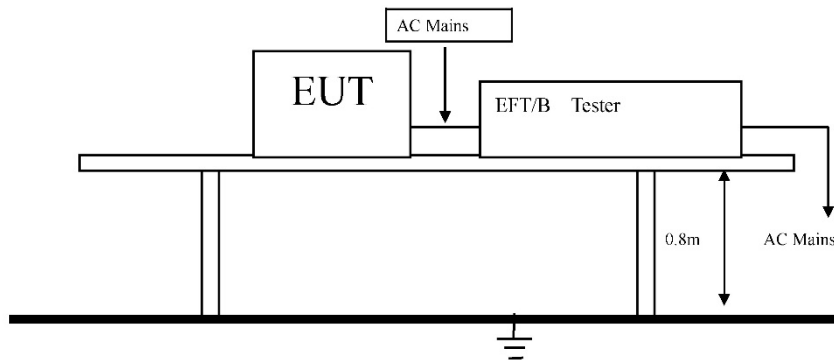
5.3.2 Test Method

The test was performed in accordance with IEC 61000-4-4

Severity: Level 2 (1kV)

Performance Criterion Require: **B**

Block diagram of Test setup



5.3.3 Test Equipment

Please refer to Section 2 this report.

5.3.4 Test specification:

Environmental conditions: Temperature: 21° C Humidity: 54% Atmospheric pressure: 103kPa

5.3.5 Operation mode: ---

5.3.6 Test Results

Inject location: AC mains

Inject Line	Voltage kV	Inject Times (s)	Method	Results
L	±1	120	Direct	Pass
N	±1	120	Direct	Pass
L、N	±1	120	Direct	Pass
E	±1	120	Direct	Pass
L、E	±1	120	Direct	Pass
N、E	±1	120	Direct	Pass
L、N、E	±1	120	Direct	Pass

Note: N/A=Not applicable

5.4 Surge Test

5.4.1 Schematics of the test



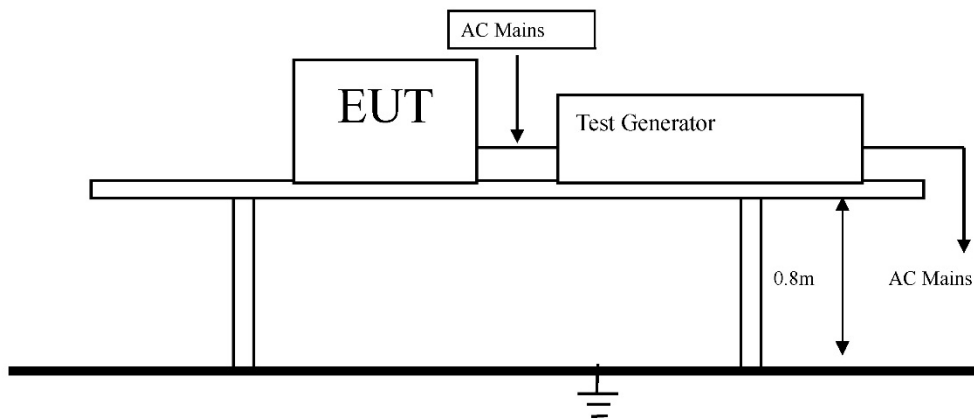
5.4.2 Test Method:

The test was performed in accordance with IEC 61000-4-5

Severity: Level 2

Performance Criterion Require: B

Block diagram of Test setup



5.4.3 Test Equipment

Please refer to Section 2 this report.

5.4.4 Test specification:

Environmental conditions: Temperature: 23° C Humidity: 54% Atmospheric pressure: 103kPa

5.4.5 Operation mode:

--

5.4.6 Test Results

5 pulses for each polarity and test voltage, and repetition rate is 1 per min.

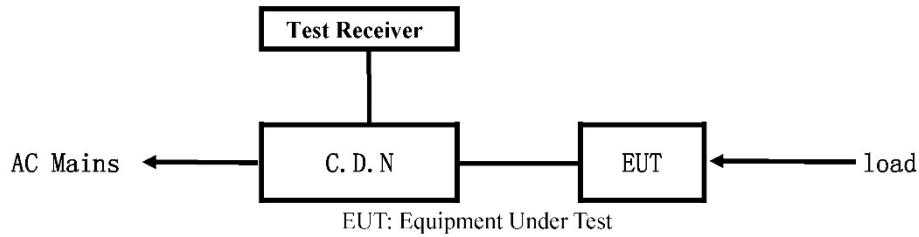
Location	Polarity	0o	90o	180o	270o	Results
L-N	± 1 KV	n.r.r.	n.r.r.	n.r.r.	n.r.r.	Pass
L-PE	± 2 KV	n.r.r.	n.r.r.	n.r.r.	n.r.r.	Pass
N-PE	± 2 KV	n.r.r.	n.r.r.	n.r.r.	n.r.r.	Pass

Remark: 1) n.r.r. = no reaction recognized, N/A = not applicable.

2) Performance Criteria A Observed.

5.5 Continuous induced RF disturbance Test

5.5.1 Schematics of the test



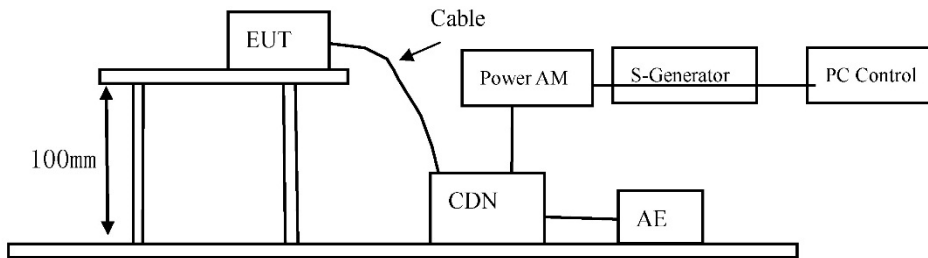
5.5.2 Test Method

The test was performed in accordance with IEC 61000-4-6

Severity: Level 2 (3 V rms), 0.15MHz—80MHz

Performance Criterion Require: A

Block diagram of Test setup



5.5.3 Test Equipment

Please refer to Section 2 this report.

5.5.4 Test specification:

Environmental conditions: Temperature: 23° C Humidity: 54% Atmospheric pressure: 103kPa

5.5.5 Operation mode: Normal operation mode

5.5.4 Test Results:

Frequency Range (MHz)	Injected Position	Strength	Criterion	Result
0.15 - 80	AC Line	3V (rms) Unmodulated	A	Pass

Note: N/A=Not applicable

5.6 Power-Frequency Magnetic Field Test

5.6.1 Schematics of the test



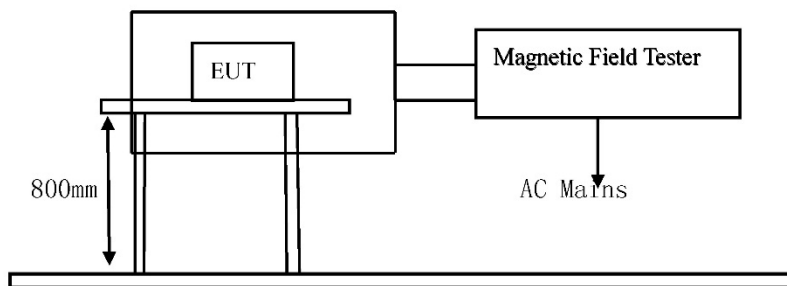
5.6.2 Test Method

The test was performed in accordance with IEC 61000-4-8

Severity: Level 1 (1A/m),

Performance Criterion Require: A

Block diagram of Test setup



5.6.3 Test Equipment

Please refer to Section 2 this report.

5.6.4 Test specification:

Environmental conditions: Temperature: 23° C Humidity: 54% Atmospheric pressure: 103kPa

5.6.5 Operation mode:

--

5.6.6 Test Results:

Test Level	Testing Duration	Coil Orientation	Criterion	Result
1A/m	5 Mins	X	A	Pass
1A/m	5 Mins	Y	A	Pass
1A/m	5 Mins	Z	A	Pass

Note: N/A=Not applicable

5.7 Voltage Dips/Interruptions Immunity Test

5.7.1 Schematics of the test

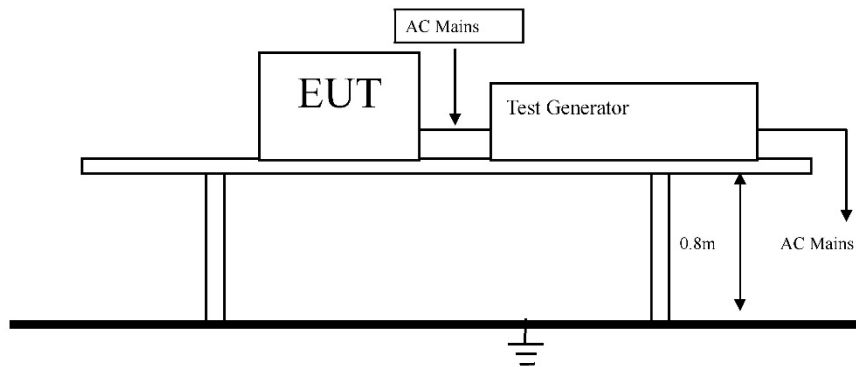


5.7.2 Test Method:

The test was performed in accordance with IEC 61000-4-11

Performance Criterion Require: C&B

Block diagram of Test setup



5.7.3 Test Equipment

Please refer to Section 2 this report.

5.7.4 Test specification:

Environmental conditions: Temperature: 23° C Humidity: 54% Atmospheric pressure: 103kPa

5.7.5 Operation mode:

--

5.7.4 Test Result:

Voltage Dip: Voltage Interceptions:

Test Level % Ut	Reduction	Duration (periods)	Phase Angle	Meet Criterion	Result
0	100	0.5	0° - 360°	B	Pass
70	30	25	0° - 360°	C	Pass

Test Level % Ut	Reduction	Duration (periods)	Phase Angle	Meet Criterion	Result
0	100	250	0° - 360°	C	Pass

Note: N/A=Not applicable

6.0 CE Label

6.1 label specification

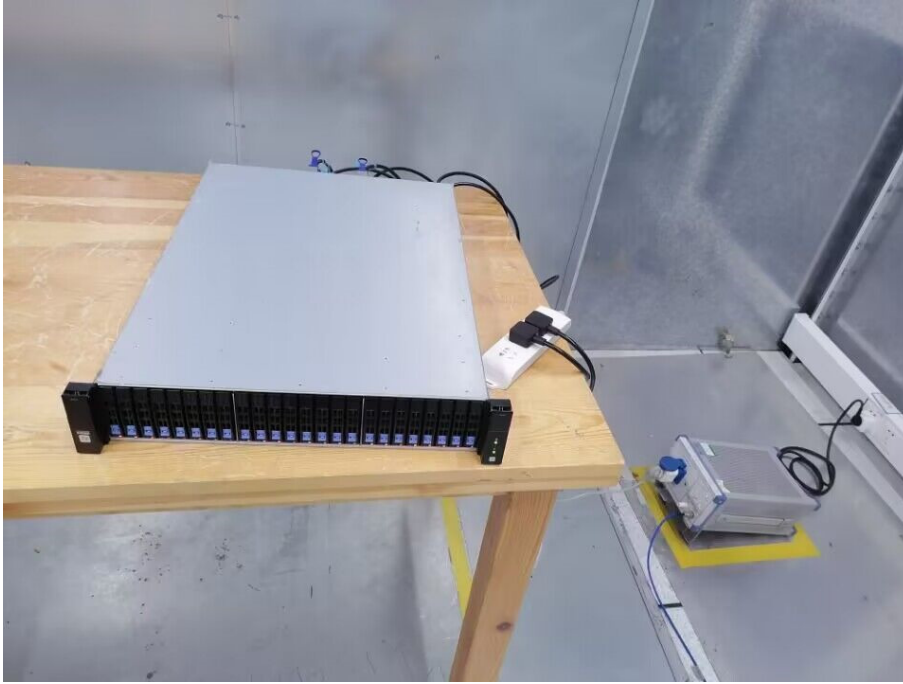
Text of the mark is black or white in color and is left justified. Labels are printed in indelible ink on permanent adhesive backing and shall be affixed at a conspicuous location on the EUT or silk-screened onto the EUT.



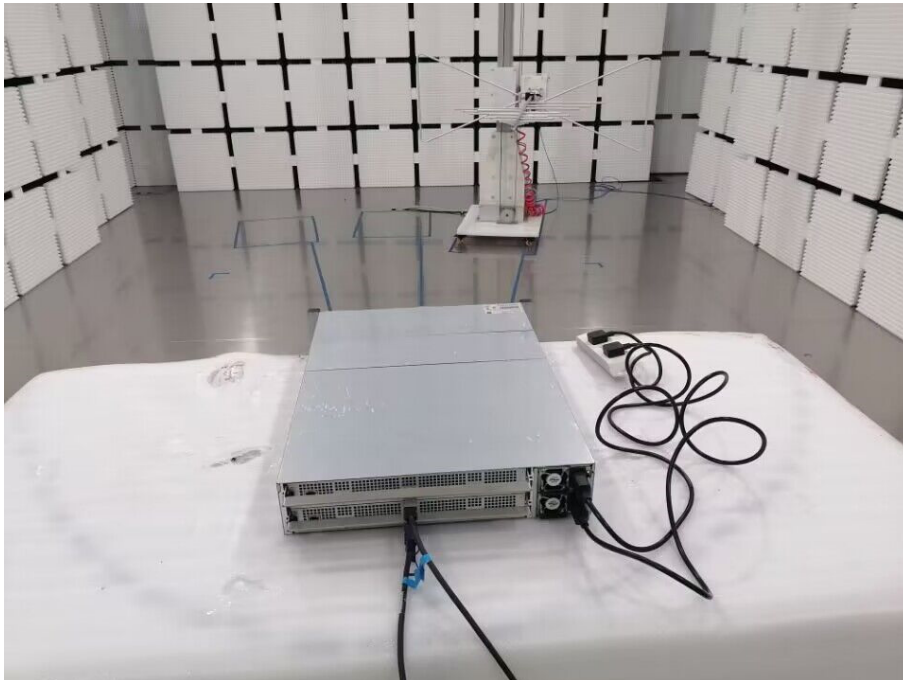
6.2 Mark Location: On the product body

7.0 Photos of testing

7.1 Conducted emission test view



7.2 Radiated emission test view



8.0 Photos of th EUT

Figure 1 General Appearance of the EUT (model: GP5016-2401)

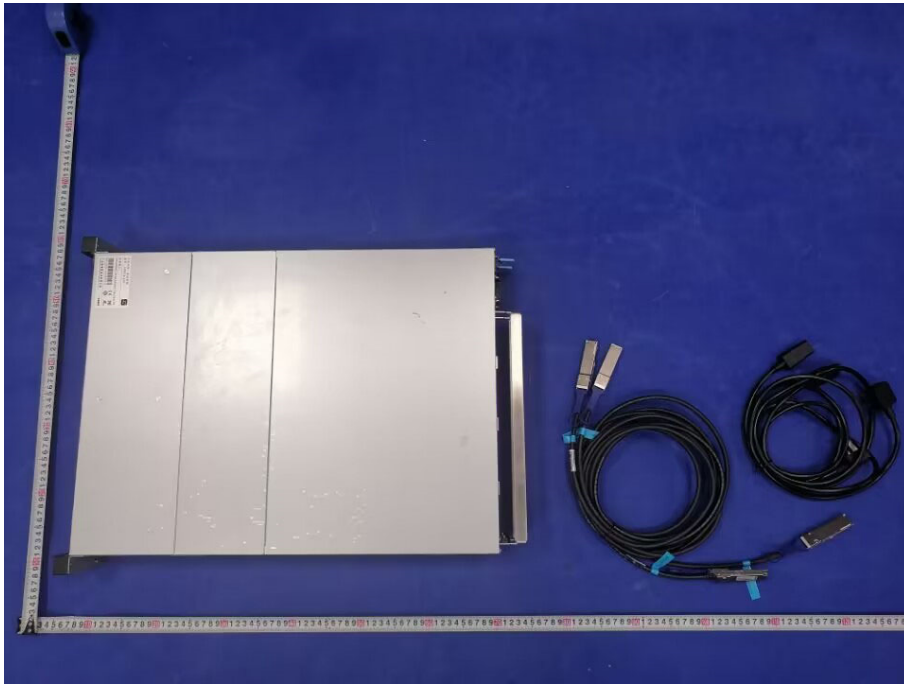


Figure 2 General Appearance of the EUT (model: GP5016-2401)



Figure 3 General Appearance of the EUT (model: GP5016-2401)

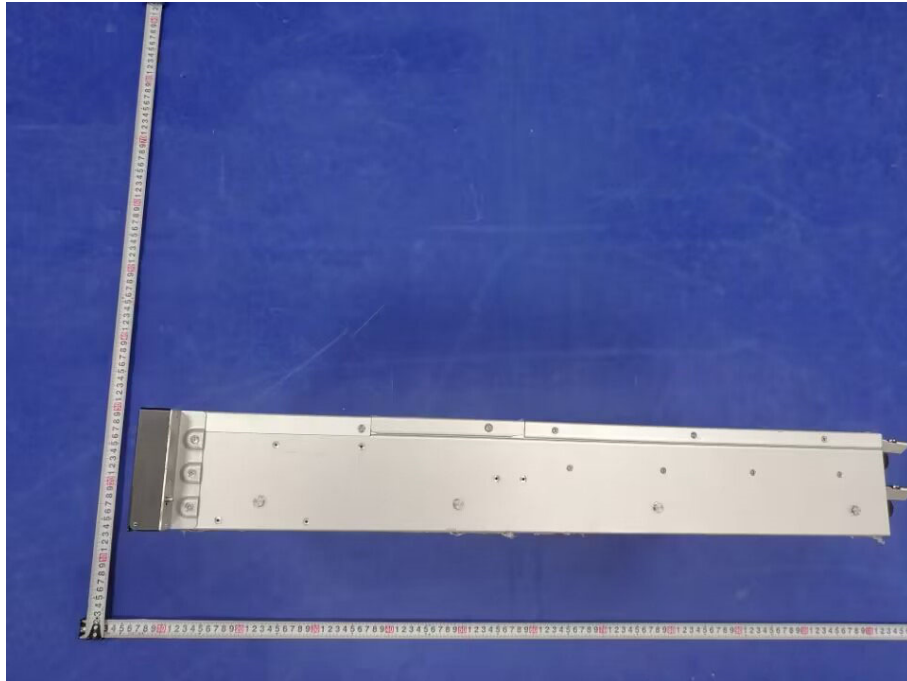


Figure 4 General Appearance of the EUT (model: GP5016-2401)

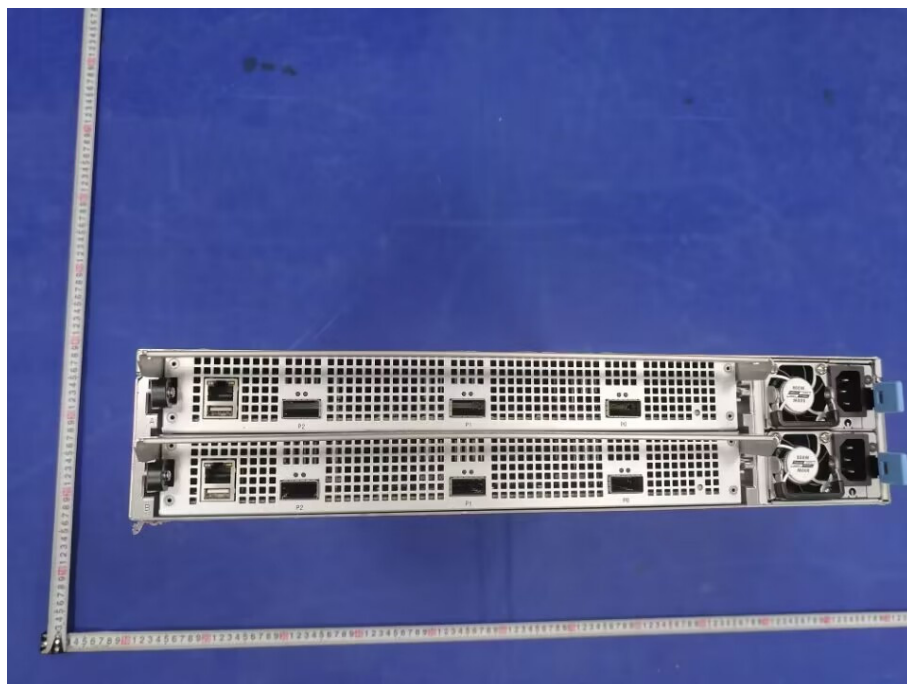


Figure 5 Inside view of the sample (model: GP5016-2401)

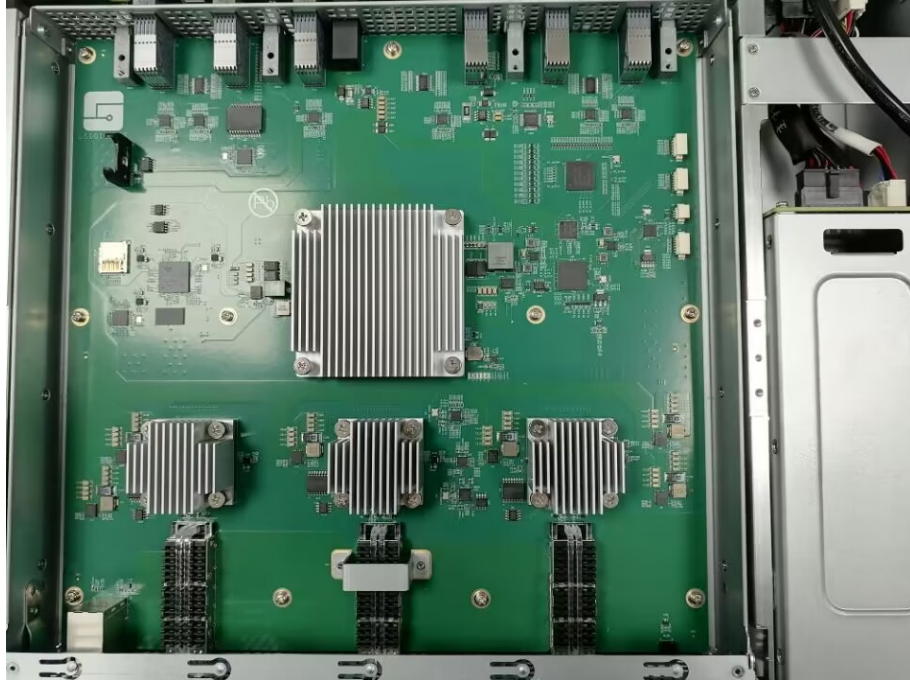


Figure 6 Inside view of the sample (model: GP5016-2401)

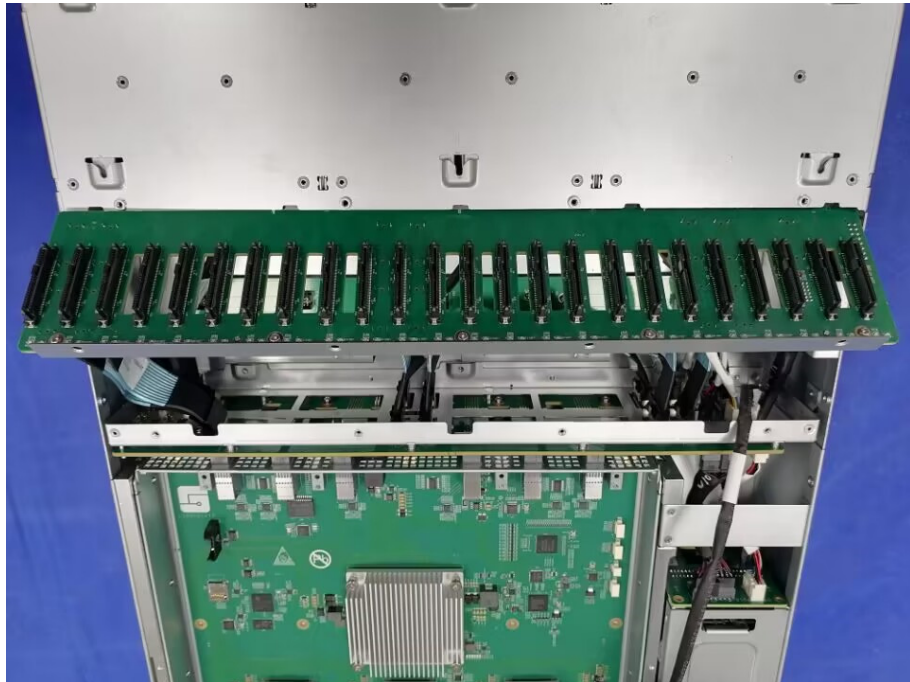


Figure 7 Inside view of the sample (model: GP5016-2401)

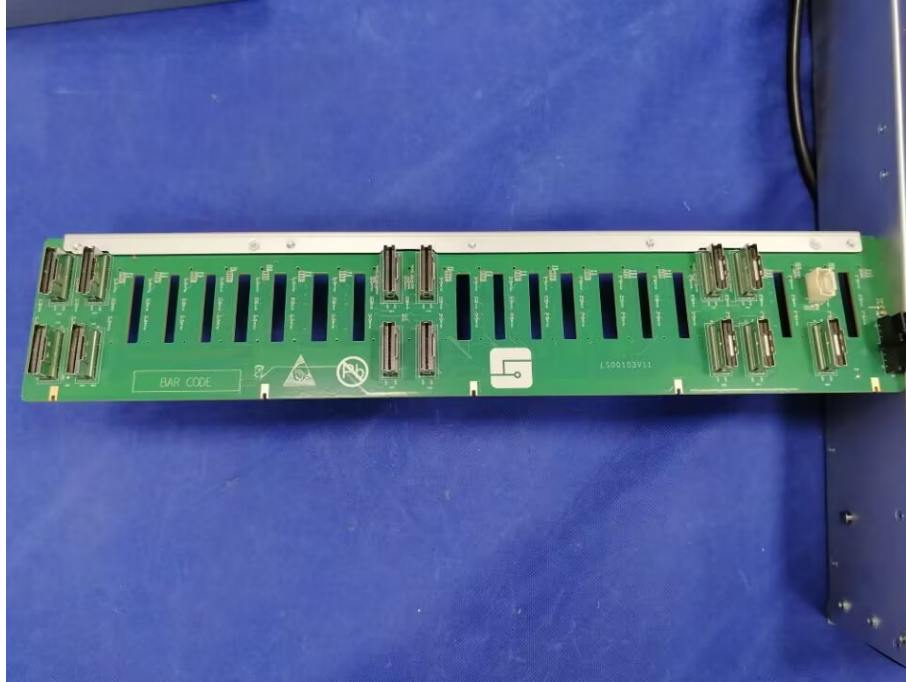


Figure 8 Inside view of the sample (model: GP5016-2401)



Figure 9 Inside view of the sample (model: GP5016-2401)

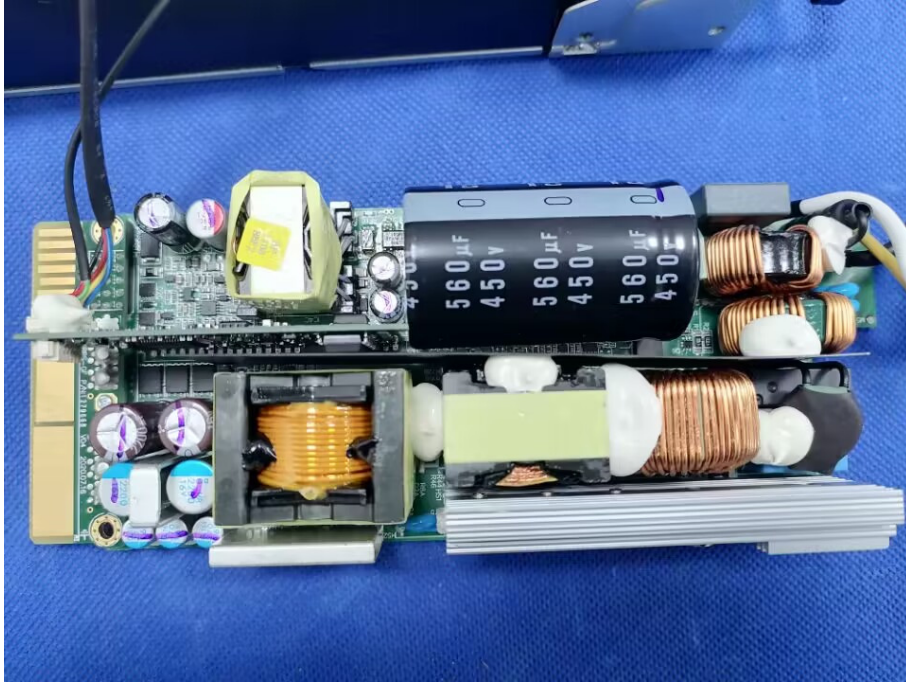
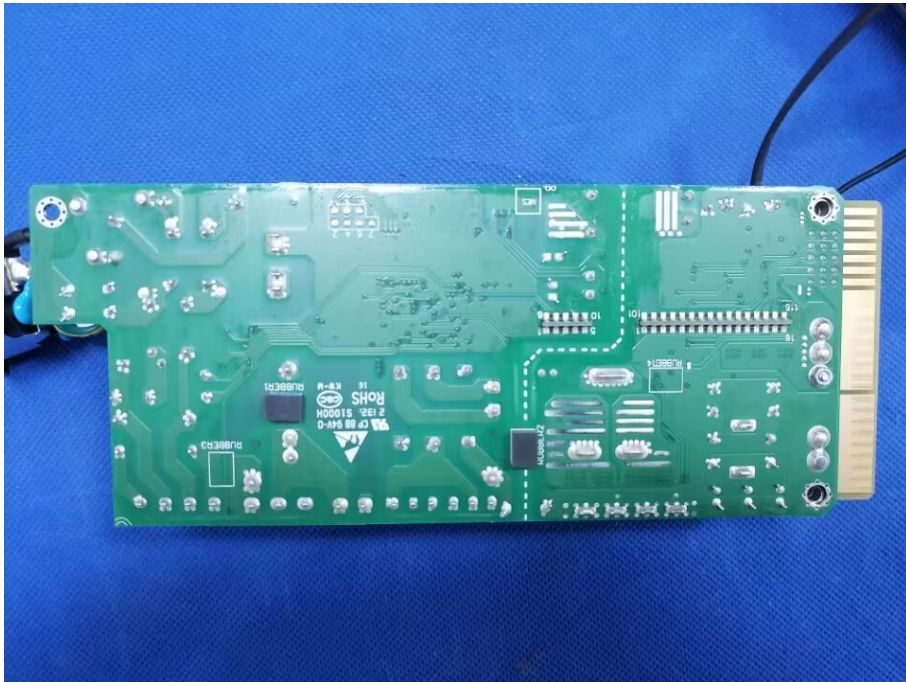


Figure 10 Inside view of the sample (model: GP5016-2401)



--End of the report--