EMC Technical Construction File

TCF No.:	TEZJ26072091538
Applicant:	Jingdezhen Zhengkong Electric Co., Ltd. Smart Electrical Home Industrial Park, Fuliang Industrial Park, Fuliang County, Jingdezhen City, Jiangxi Province, China
Manufacturer:	Jingdezhen Zhengkong Electric Co., Ltd. Smart Electrical Home Industrial Park, Fuliang Industrial Park, Fuliang County, Jingdezhen City, Jiangxi Province, China
Factory:	Jingdezhen Zhengkong Electric Co., Ltd. Smart Electrical Home Industrial Park, Fuliang Industrial Park, Fuliang County, Jingdezhen City, Jiangxi Province, China
Trade mark:	/
Equipment Under Test (EUT):	
EUT Name:	Frequency Inverter
Item No.:	See the annex
Main Model:	300N-2.2GB-T4
Electrical ratings:	/
Serial No.:	N/A
Standards:	EN IEC 61800-3:2023
Date of Receipt:	July 17,2026
Date of Test:	July 17,2026 to July 27,2026
Date of Issue:	July 27,2026
Test Result :	**PASS***

* The above equipment was tested by Shanghai Global Testing Services Co., Ltd. for compliance with the requirements set forth in the EMC Directive 2014/30/EU and the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Compiled by (+ signature)..... : Sophia Yu

Approved by (+ signature)..... : Kitty Yang

Date of issue..... : July 27,2026

GLOBAL TESTING SERVICES CO.,LTD. CERTIFICATION

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GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

The product that is produced by **Jingdezhen Zhengkong Electric Co., Ltd.**

The "EUT" as referred to in this report is a **Frequency Inverter**, Complete test was conducted on **300N-2.2GB-T4** are the same series products.

A representative sample of the product covered by this report has been tested and complies with the applicable requirements of this standard.

Objective

In order to meet the EMC requirements approved by CENELEC, the following standards will be cited:

1. EN 61000-3-12:2011 Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and <= 75 A per phase.

2. EN IEC 61000-3-11:2019 Electromagnetic compatibility (EMC) - Part 3-11: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems - Equipment with rated current ≤ 75 A and subject to conditional connection.

3. EN IEC 61800-3:2023 Adjustable speed electrical power drive systems — Part 3: EMC requirements and specific test methods.

Note: The test data is only valid for the test sample. There is possible deviation from the original test data for other products

Equipment Modifications

No modification to the EUT were made by Shanghai Global Testing Services Co., Ltd. to make sure the EUT comply with applicable limits.

1 - EN61000-3-12

1.1 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Last Cal. Date	Cal. Period
EMC-PARTNER	Harmonics and Flicker Analyzer	HARMONIC S-1000	HAR1000-40	2025.12.20	1 Year

1.2 Description of Measurement Conditions

Temperature: 26℃
Humidity: 58%
Pressure: 1033mbar
Electromagnetic environment: normal

1.3 Test Data and Records

Order	Freq. [Hz]	Limit %	Result
2	100	8	Pass
3	150	21.6	Pass
4	200	4	Pass
5	250	10.7	Pass
6	300	2.7	Pass
7	350	7.2	Pass
8	400	2	Pass
9	450	3.8	Pass
10	500	1.6	Pass
11	550	3.1	Pass
12	600	1.3	Pass
13	650	2	Pass
14	700	23	Pass
15	750	23	Pass
16	800	23	Pass
17	850	23	Pass

18	900	23	Pass
19	950	23	Pass
20	1000	23	Pass
21	1050	23	Pass
22	1100	23	Pass
23	1150	23	Pass
24	1200	23	Pass
25	1250	23	Pass
26	1300	23	Pass
27	1350	23	Pass
28	1400	23	Pass
29	1450	23	Pass
30	1500	23	Pass
31	1550	23	Pass
32	1600	23	Pass
33	1650	23	Pass
34	1700	23	Pass
35	1750	23	Pass
36	1800	23	Pass
37	1850	23	Pass
38	1900	23	Pass
39	1950	23	Pass
40	2000	23	Pass

1.4Verdict

The EUT met the requirement.

2 - EN61000-3-11

2.1 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Last Cal. Date	Cal. Period
EMC-PARTNER	Harmonics and Flicker Analyzer	HARMONIC S-1000	HAR1000-40	2025.12.20	1 Year

2.2 Description of Measurement Conditions

Temperature: 26℃
Humidity: 58%
Pressure: 1033mbar
Electromagnetic environment: normal

2.3 Test Data and Records

Waveform:	Sine	Test Time:	10 minutes(Pst); 2 hours (Plt)

Flicker and Voltage Fluctuation	Limit	Value	Remarks
Short-term flicker Indicator Pst	1.0	0.212	Pass
Long -term flicker Indicator Plt	0.65	0.185	Pass
Relative Steady-state Voltage Change dc [%]	3.3	0.064	Pass
Maximum Relative Voltage Change dmax [%]	4.0	0.497	Pass
Relative Voltage Change Characteristic dt [s]	0.50	0.000	Pass

Result: PASSED

2.4 Verdict

The EUT met the requirement.
.

3 – EN 61800-3

3.1 Continuous Disturbance Voltage at Mains Terminal.

3.1.1 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Last Cal. Date	Cal. Period
Albatross Projects GmbH	Shield Room	Site 1	---	2025.12.20	1 Year
R&S	EMI Test Receiver	ESU40	1302	2025.12.20	1 Year
R&S	Artificial Mains	ENV216	1107	2025.12.20	1 Year
R&S	EMI Test System Cabinet	---	---	N/A	N/A
R&S	EMI Test Software	EMC32	---	N/A	N/A

3.1.2 Description of Measurement Conditions

Temperature: 26℃
Humidity: 58%
Pressure: 1033mbar
Electromagnetic environment: normal

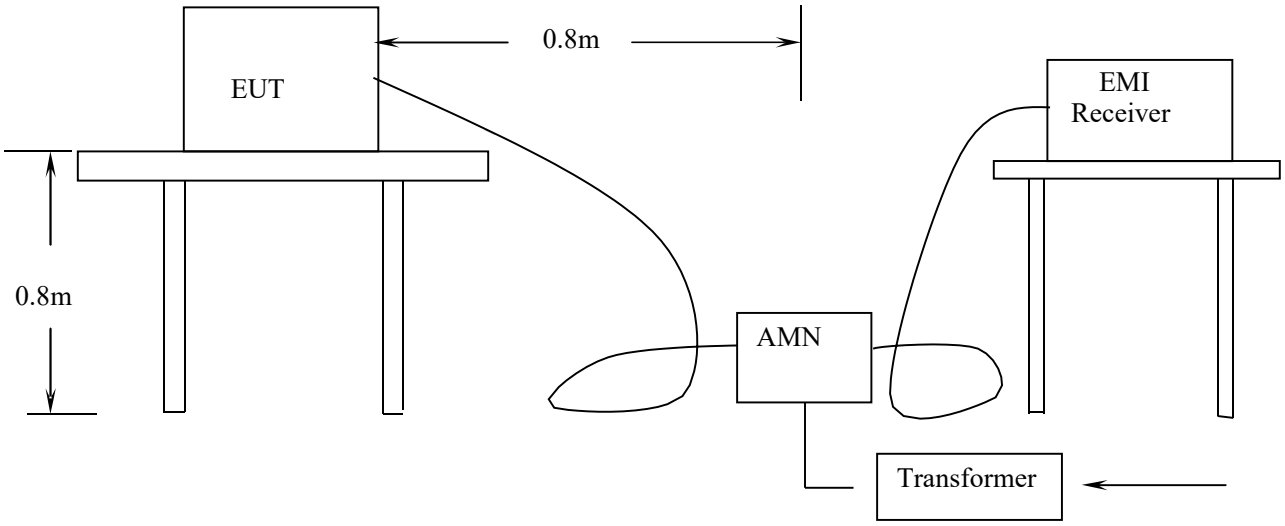
3.1.3 Limits of Continuous Disturbance Voltage at Mains Terminal.

Equipment type	Frequency range MHz	Limit values dBµV	
		Quasi-peak	Average
Household appliance	0.15 to 0.50	66-56 [a]	59 to 46 [a]
	0.50 to 5	56	46
	5 to 30	60	50
[a] Decreasing linearly with logarithm of the frequency.			

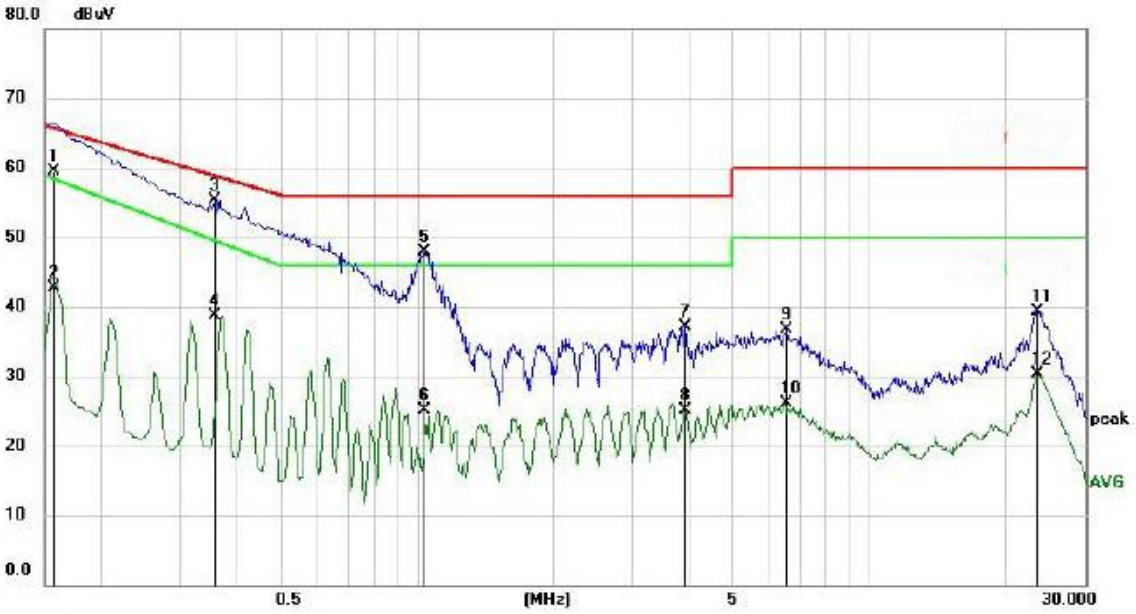
Note: If the limit for the measurement with the average detector is met when using a receiver with a quasi-peak detector, the equipment under test shall be deemed to meet both limits and the measurement using the receiver with an average detector need not be carried out.

3.1.4 Configuration

The configuration is in accordance with the requirement in EN61800-3, the sketch map as follow:



3.1.5 Test Data and Records



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1558	49.87	9.73	59.60	65.68	-6.08	QP	
2		0.1558	33.03	9.73	42.76	58.59	-15.83	AVG	
3	*	0.3570	45.65	9.66	55.31	58.80	-3.49	QP	
4		0.3570	29.11	9.66	38.77	49.64	-10.87	AVG	
5		1.0365	38.22	9.71	47.93	56.00	-8.07	QP	
6		1.0365	15.37	9.71	25.08	46.00	-20.92	AVG	
7		3.8895	27.34	9.73	37.07	56.00	-18.93	QP	
8		3.8895	15.36	9.73	25.09	46.00	-20.91	AVG	
9		6.5040	26.85	9.79	36.64	60.00	-23.36	QP	
10		6.5040	16.32	9.79	26.11	50.00	-23.89	AVG	
11		23.4240	29.38	10.01	39.39	60.00	-20.61	QP	
12		23.4240	20.26	10.01	30.27	50.00	-19.73	AVG	

3.1.6 Verdict

The EUT met the requirement.

3.2 Radiated disturbances

3.2.1 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Last Cal. Date	Cal. Period
Albatross Projects GmbH	Anechoic Chamber	---	9290832	2025.12.20	1 Year
R&S	Ultra-broadband Antennas	HL562	---	2025.12.20	1 Year
Inn-co GmbH	Antenna Towers	---	---	N/A	N/A
R&S	EMI Test Receiver	ESU40	1302	2025.12.20	1 Year
Inn-co GmbH	Turntable	DS2000S-1t		N/A	N/A
Inn-co GmbH	Controller	CO 2000	10806L	N/A	N/A
R&S	EMI Test Software	EMC32	---	N/A	N/A
R&S	EMI Test System Cabinet	---	---	N/A	N/A

3.2.2 Description of Measurement Conditions

Temperature: 20℃
Humidity: 60%
Pressure: 1033mbar
Electromagnetic environment: normal

3.2.3 Limits of radiated disturbances of class at a measuring distance of 3m.

Frequency range MHz	Quasi-peak limits(3m) dB(μV/m)
30 to 230	40
230 to 1000	47
NOTE: The lower limit shall apply at the transition frequency. NOTE: Additional provisions may be required for cases where interference occurs.	

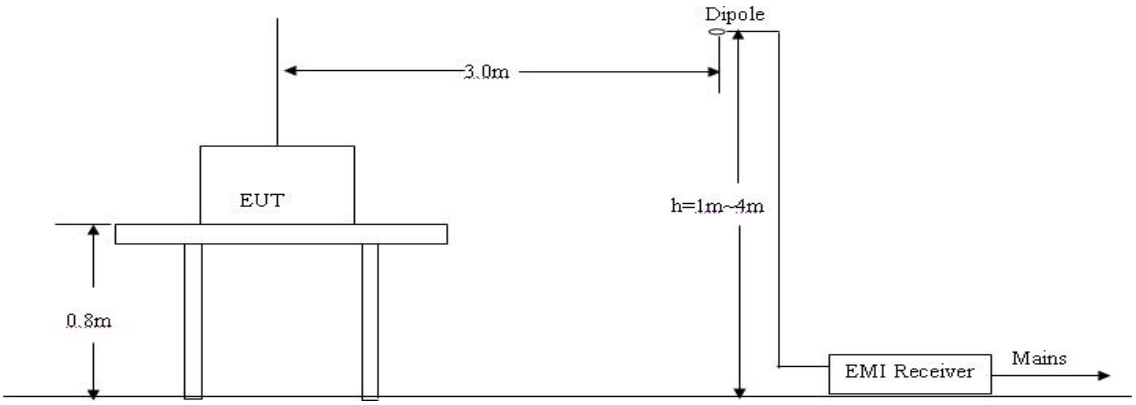
3.2.4 Test procedure and the test set-up

Procedure

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m semi/full-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarization of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the turn table was turned from 0 degrees to 360 degrees to find the maximum reading.
e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
f. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be retested one by one using the quasi- peak method or average method as specified and then reported In Data sheet peak mode and QP mode.

Set-up

The configuration is in accordance with the requirement in EN61800-3, the sketch map as follow:



3.2.5 Test Data and Records



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		37.0248	37.38	-16.59	20.79	40.00	-19.21	QP			
2		44.2752	38.25	-14.87	23.38	40.00	-16.62	QP			
3		51.6616	37.85	-14.76	23.09	40.00	-16.91	QP			
4	*	136.9391	49.62	-19.83	29.79	40.00	-10.21	QP			
5		178.7584	40.59	-17.87	22.72	40.00	-17.28	QP			
6		303.5437	33.80	-12.02	21.78	47.00	-25.22	QP			

3.2.6 Verdict

The EUT met the requirement.

4- Description of Performance Criterion

Performance Criterion A

The apparatus shall continue to operate as intended during the test. No degradation of performance or loss of function is allowed below a performance level (or permissible loss of performance) specified by the manufacturer, when the apparatus is used as intended. If the minimum performance level or the permissible performance loss is not specified by the manufacture, then either of these may be derived from the product description and documentation, and from what the user may reasonably expect from the apparatus if used as intended.

Performance Criterion 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 (or permissible loss of performance) specified by the manufacturer, when the apparatus is used as intended. During the test, degradation of performance is allowed, however, no change of actual operating state or stored data is allowed. If the minimum performance level or the permissible performance loss is not specified by the manufacture, then either of these may be derived from the product description and documentation, and from what the user may reasonably expect from the apparatus if used as intended.

Performance Criterion C

Temporary loss of function is allowed, provided the function is self-recoverable or can be restored by the operation of the controls, or by any operation specified in the instructions for use.

4.1 SURGES

4.1.1 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Last Cal. Date	Cal. Period
Noise Laboratory CO., LTD	Surge Lite	LSS-6030	9099E00350	2025.12.20	1 Year

4.1.2 Description of Measurement Conditions

Temperature: 26℃
Humidity: 58%
Pressure: 1033mbar
Electromagnetic environment: normal

4.1.3 Test procedure and the test set-up

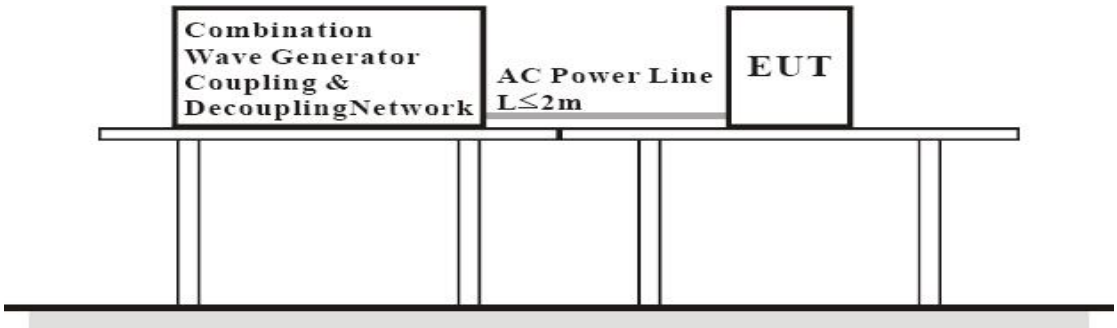
Procedure

a. For EUT power supply:
The surge is to be applied to the EUT power supply terminals via the capacitive coupling network. Decoupling networks are required in order to avoid possible adverse effects on equipment not under test that may be powered by the same lines, and to provide sufficient decoupling impedance to the surge wave. The power cord between the EUT and the coupling/decoupling networks shall be 2 meters in length (or shorter).

b. For test applied to unshielded unsymmetrically operated interconnection lines of EUT:The surge is applied to the lines via the capacitive coupling. The coupling / decoupling networks shall not influence the specified functional conditions of the EUT. The interconnection line between the EUT and the coupling/decoupling networks shall be 2 meters in length (or shorter).

c. For test applied to unshielded symmetrically operated interconnection / telecommunication lines of EUT: The surge is applied to the lines via gas arrestors coupling. Test levels below the ignition point of the coupling arrestor cannot be specified. The interconnection line between the EUT and the coupling/decoupling networks shall be 2 meters in length (or shorter).

Set-up



4.1.4 Test Data and Records

Terminal	Voltage KV	Path	Phase	Number Of Impulses	Pass	Fail
MAINS	±1	L-L	0°	5	B	
MAINS	±1	L-L	90°	5	B	
MAINS	±1	L-L	180°	5	B	
MAINS	±1	L-L	270°	5	B	
MAINS	±2	L-PE	0°	5	B	
MAINS	±2	L-PE	90°	5	B	
MAINS	±2	L-PE	180°	5	B	
MAINS	±2	L-PE	270°	5	B	

4.1.5 Verdict

The EUT was working as normal, so they met the requirement of performance criteria B.

4.2 ESD

4.2.1 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Last Cal. Date	Cal. Period
Shanghai Sanki	Electrostatic Discharge tester	ESD-320	0329501C	2025.12.20	1 Year

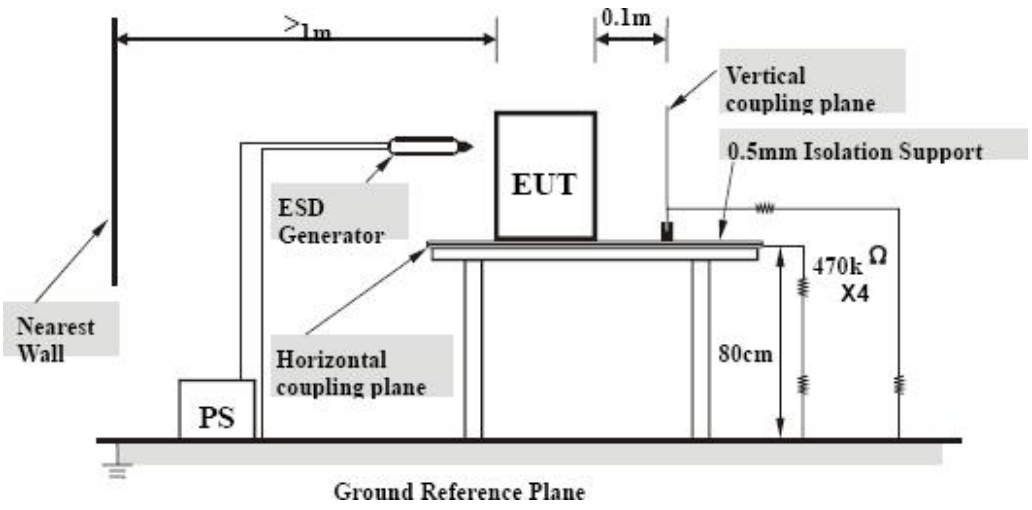
4.2.2 Description of Measurement Conditions

Temperature: 26℃
Humidity: 58%
Pressure: 1033mbar
Electromagnetic environment: normal

4.2.3 Test procedure and the test set-up

Procedure

a. Electrostatic discharges were applied only to those points and surfaces of the EUT that are accessible to users during normal operation.
b. The test was performed with at least ten single discharges on the pre-selected points in the most sensitive polarity.
c. The time interval between two successive single discharges was at least 1 second.
d. The ESD generator was held perpendicularly to the surface to which the discharge was applied and the return cable was at least 0.2 meters from the EUT.
e. Contact discharges were applied to the non-insulating coating, with the pointed tip of the generator penetrating the coating and contacting the conducting substrate.
f. Air discharges were applied with the round discharge tip of the discharge electrode approaching the EUT as fast as possible (without causing mechanical damage) to touch the EUT. After each discharge, the ESD generator was removed from the EUT and re-triggered for a new single discharge. The test was repeated until all discharges were complete.
g. At least ten single discharges (in the most sensitive polarity) were applied at the front edge of each Horizontal Coupling Plane opposite the center point of each unit of the EUT and 0.1 meters from the front of the EUT. The long axis of the discharge electrode was in the plane of the HCP and perpendicular to its front edge during the discharge.
h. At least ten single discharges (in the most sensitive polarity) were applied to the center of one vertical edge of the Vertical Coupling Plane in sufficiently different positions that the four faces of the EUT were completely illuminated. The VCP (dimensions 0.5m x 0.5m) was placed vertically to and 0.1 meters from the EUT.



4.2.4 Test Data and Records

Air Discharge

Test Levels																
EN61000-4-2 Test Points	-2 kV	+2 kV	-4 kV	+4 kV	-6 kV	+6 kV	-8 kV	+8 kV	-10 kV	+10 kV	-12.5 kV	+12.5 kV	-15 kV	+15 kV	-20 kV	+20 kV
EUT Front Side	B	B	B	B	B	B	B	B								
EUT Top Side	B	B	B	B	B	B	B	B								
EUT Back Side	B	B	B	B	B	B	B	B								
EUT Left Side	B	B	B	B	B	B	B	B								
EUT Right Side	B	B	B	B	B	B	B	B								

Direct Contact

Test Levels																
EN61000-4-2 Test Points	-2 kV	+2 kV	-4 kV	+4 kV	-6 kV	+6 kV	-8 kV	+8 kV	-10 kV	+10 kV	-12.5 kV	+12.5 kV	-15 kV	+15 kV	-20 kV	+20 kV
EUT Front Side	**B**	**B**	**B**	**B**												
EUT Top Side	**B**	**B**	**B**	**B**												
EUT Back Side	**B**	**B**	**B**	**B**												
EUT Left Side	**B**	**B**	**B**	**B**												
EUT Right Side	**B**	**B**	**B**	**B**												

4.2.5 Verdict

The EUT was working as normal, so they met the requirement of performance criteria B.

4.3 EFT/B

4.3.1 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Last Cal. Date	Cal. Period
Shanghai Sanki	E.F.TB Generator	8014	069504E	2025.12.20	1 Year

4.3.2 Description of Measurement Conditions

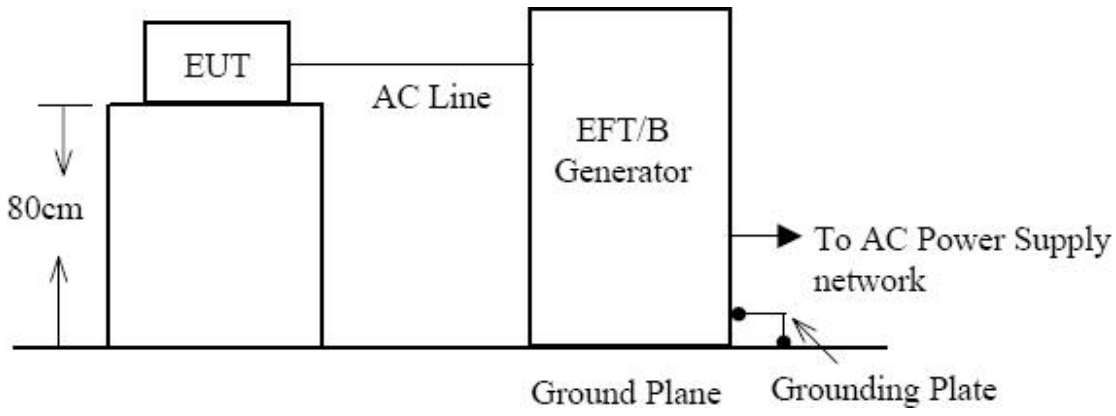
Temperature: 26℃
Humidity: 58%
Pressure: 1033mbar
Electromagnetic environment: normal

4.3.3 Test procedure and the test set-up

Procedure

a. Both positive and negative polarity discharges were applied.
b. The length of the "hot wire" from the coaxial output of the EFT generator to the terminals on the EUT should not exceed 1 meter.
c. The duration time of each test sequential was 1 minute.
d. The transient/burst waveform was in accordance with IEC 61000-4-4, 5/50ns.

Set-up



4.3.4 Test Data and Records

The EUT was tested that it worked at the normal state.

Test Levels (kV)									
EN61000-4-4 Test Points		+0.25	-0.25	+0.5	-0.5	+1.0	-1.0	+2.0	-2.0
Power Port of EUT	L 1	A	A	A	A	A	A		
	L 2	A	A	A	A	A	A		
	L 3	A	A	A	A	A	A		
	L1+L2+L3	A	A	A	A	A	A		

4.3.5 Verdict

The EUT was working as normal, so it met the requirement of performance criteria B.
.

4.4 INJECTED CURRENTS

4.4.1 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Last Cal. Date	Cal. Period
Giga-tronics	Synthesized RF Signal Generator	6061A	5130304	2025.12.20	1 Year
QF	Broadband Power Amplifier	QF3860	---	2025.12.20	1 Year
QF	Millivoltmeter	QF2281	92028	2025.12.20	1 Year

4.4.2 Description of Measurement Conditions

Temperature: 22℃
Humidity: 59%
Pressure: 1033mbar
Electromagnetic environment: normal

4.4.3 Configuration

The configuration in accordance with the requirement in EN61000-4-6, see the photo in appendix.

4.4.4 Test Data and Records

EN61000-4-6 Test Points	Frequency range MHz	Levels	Voltage Level (e.m.f.)V	Pass	Fail
Power lines and control Lines and signal lines	0.15-80MHz	1	1		
		2	3	A	
		3	10		
		X	Special		

4.4.5 Verdict

The EUT was working as normal, so they met the requirement of performance criteria A.

4.5 VOLTAGE DIPS AND INTERRUPTIONS

4.5.1 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Last Cal. Date	Cal. Period
Noise Laboratory CO., LTD	Voltage Dip Simulator	VDS-220B	2199D00098	2025.12.20	1 Year

4.5.2 Description of Measurement Conditions

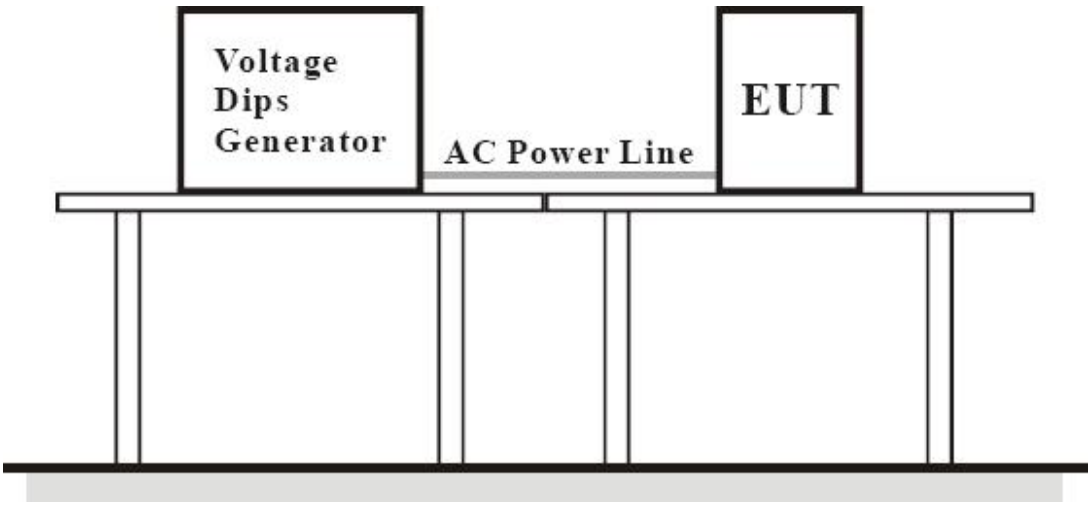
Temperature: 26℃
Humidity: 58%
Pressure: 1033mbar
Electromagnetic environment: normal

4.5.3 Test procedure and the test set-up

Procedure

The EUT shall be tested for each selected combination of test levels and duration with a sequence of tree dips/interruptions with intervals of 10 s minimum (between each test event). Each representative mode of operation shall be tested. Abrupt changes in supply voltage shall occur at zero crossings of the voltage waveform.

Set-up



4.5.4 Test Data and Records

Environmental phenomena		Test level in % U_T	Pass	Fail
Interruptions		0	**C**	
Voltage dips in % U_T	10	90	**C**	
	20	80	**C**	
	30	70	**C**	
	40	60	**C**	
	50	50	**C**	
	60	40	**C**	
	70	30	**C**	
	80	20	**C**	
	90	10	**C**	

4.5.5 Verdict

The EUT was working as normal, so they met the requirement of performance criteria C.

4.6 Radio-frequency electromagnetic field

4.6.1 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Last Cal. Date	Cal. Period
R&S	Signal Generator	SMR-40	1104	2025.12.20	1 Year
QF	Broadband Power Amplifier	QF3860	---	2025.12.20	1 Year
QF	Millivoltmeter	QF2281	92028	2025.12.20	1 Year
Albatross Projects GmbH	Anechoic Chamber	---	9290832	2025.12.20	1 Year
R&S	Ultra-broadband Antennas	HL562	---	2025.12.20	1 Year
Inn-co GmbH	Antenna Towers	---	---	N/A	N/A
Inn-co GmbH	Turntable	DS2000S-1t	---	N/A	N/A
Inn-co GmbH	Controller	CO 2000	10806L	N/A	N/A

4.6.2 Description of Measurement Conditions

Temperature: 20℃
Humidity: 60%
Pressure: 1033mbar
Electromagnetic environment: normal

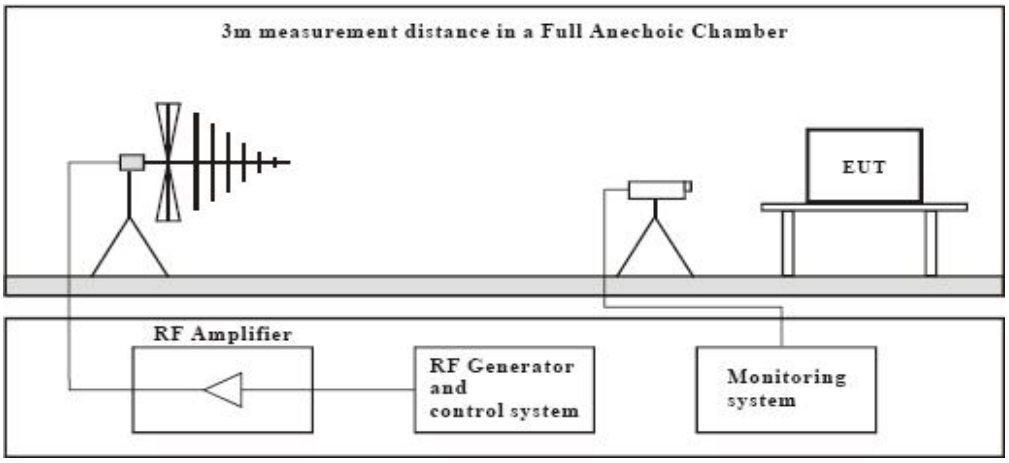
4.6.3 Test procedure and the test set-up

Procedure

The test procedure was in accordance with EN 61000-4-3

a. The testing was performed in a fully-anechoic chamber. The transmit antenna was located at a distance of 3 meters from the EUT.
b. The frequency range is swept from 80 MHz to 1000 MHz with the signal 80% amplitude modulated with a 1kHz sinewave. The rate of sweep did not exceed 1.5 x 10^{-3} decade/s. Where the frequency range is swept incrementally, the step size was 1 % of preceding frequency value.
c. The dwell time at each frequency shall be not less than the time necessary for the EUT to be able to respond.
d. The field strength level was 3V/m.
e. The test was performed with the EUT exposed to both vertically and horizontally polarized fields on each of the four sides.

Set-up



4.6.4 Test Data and Records

Frequency Range (MHz)	Front Side (3 V/m)		Rear Side (3 V/m)		Left Side (3 V/m)		Right Side (3 V/m)	
80-2000	VERT	HORI	VERT	HORI	VERT	HORI	VERT	HORI
	A	A	A	A	A	A	A	A
Frequency Range (MHz)	**Front Side (1 V/m)**		**Rear Side (1V/m)**		**Left Side (1 V/m)**		**Right Side (1 V/m)**	
80-2700	VERT	HORI	VERT	HORI	VERT	HORI	VERT	HORI
	A	A	A	A	A	A	A	A

4.6.5 Verdict

The EUT was working as normal, so it met the requirement of performance criteria A.

4.6 Radio-frequency electromagnetic field

4.6.1 Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Last Cal. Date	Cal. Period
R&S	Signal Generator	SMR-40	1104	2025.12.20	1 Year
QF	Broadband Power Amplifier	QF3860	---	2025.12.20	1 Year
QF	Millivoltmeter	QF2281	92028	2025.12.20	1 Year
Albatross Projects GmbH	Anechoic Chamber	---	9290832	2025.12.20	1 Year
R&S	Ultra-broadband Antennas	HL562	---	2025.12.20	1 Year
Inn-co GmbH	Antenna Towers	---	---	N/A	N/A
Inn-co GmbH	Turntable	DS2000S-1t	---	N/A	N/A
Inn-co GmbH	Controller	CO 2000	10806L	N/A	N/A

4.6.2 Description of Measurement Conditions

Temperature: 20℃
Humidity: 60%
Pressure: 1033mbar
Electromagnetic environment: normal

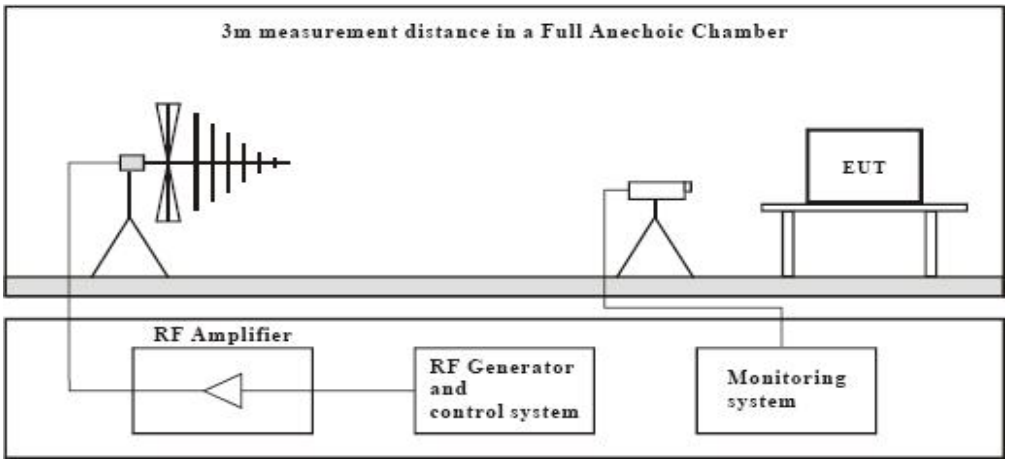
4.6.3 Test procedure and the test set-up

Procedure

The test procedure was in accordance with EN 61000-4-3

a. The testing was performed in a fully-anechoic chamber. The transmit antenna was located at a distance of 3 meters from the EUT.
b. The frequency range is swept from 80 MHz to 1000 MHz, 1400 MHz to 2000 MHz with the signal 80% amplitude modulated with a 1kHz sinewave. The rate of sweep did not exceed 1.5 x 10 -3 decade/s. Where the frequency range is swept incrementally, the step size was 1 % of preceding frequency value.
c. The dwell time at each frequency shall be not less than the time necessary for the EUT to be able to respond.
d. The field strength level was 3V/m.
e. The test was performed with the EUT exposed to both vertically and horizontally polarized fields on each of the four sides.

Set-up



4.6.4 Test Data and Records

The EUT was tested that it worked at the normal state.

Frequency Range (GHz)	Front Side (10 V/m)		Rear Side (10 V/m)		Left Side (10V/m)		Right Side (10V/m)	
	VERT	HORI	VERT	HORI	VERT	HORI	VERT	HORI
0.08-1.0	A	A	A	A	A	A	A	A
1.4-2.0	A	A	A	A	A	A	A	A
2.0-2.7	A	A	A	A	A	A	A	A

4.6.5 Verdict

The EUT was working as normal, so it met the requirement of performance criteria A

Annex:

300N-0.75G-H2, 300N-1.5G-H2, 300N-2.2G-H2, 300N-003G-H2, 300N-0.75GB-S2, 300N-1.5GB-S2, 300N-2.2GB-S2, 300N-003GB-S2, 300N-0.75PB-S3, 300N-1.5PB-S3, 300N-2.2PB-S3, 300N-003PB-S3, 300N-004PB-S3, 300N-5.5PB-S3, 300N-7.5PB-S3, 300N-011PB-S3, 300N-015PB-S3, 300N-18.5PB-S3, 300N-0.75GB-T2, 300N-1.5GB-T2, 300N-2.2GB-T2, 300N-003GB-T2, 300N-004GB-T2, 300N-5.5GB-T2, 300N-7.5GB-T2, 300N-011GB-T2, 300N-015G-T2, 300N-18.5G-T2, 300N-022G-T2, 300N-030G-T2, 300N-037G-T2, 300N-045G-T2, 300N-055G-T2, 300N-075G-T2, 300N-0.75GB-T4, 300N-1.5GB-T4, 300N-2.2GB-T4, 300N-003GB-T4, 300N-004GB-T4, 300N-5.5GB-T4, 300N-7.5GB-T4, 300N-011GB-T4, 300N-015GB-T4, 300N-18.5GB-T4, 300N-022GB-T4, 300N-030G-T4, 300N-037G-T4, 300N-045G-T4, 300N-055G-T4, 300N-075G-T4, 300N-090G-T4, 300N-110G-T4, 300N-132G-T4, 300N-160G-T4, 300N-185G-T4, 300N-200G-T4, 300N-220G-T4, 300N-250G-T4, 300N-285G-T4, 300N-315G-T4, 300N-355G-T4, 300N-400G-T4, 300N-450G-T4,
300N-500G-T4, 300N-560G-T4, 300N-630G-T4, 300N-720G-T4, 300N-800G-T4, 300N-0.75PV-T2, 300N-1.5PV-T2, 300N-2.2PV-T2, 300N-003PV-T2, 300N-004PV-T2, 300N-5.5PV-T2, 300N-7.5PV-T2, 300N-011PV-T2, 300N-01PV-T2, 300N-18.5PV-T2, 300N-022PV-T2, 300N-030PV-T2, 300N-037PV-T2, 300N-045PV-T2, 300N-055PV-T2,
300N-075PV-T2, 300N-0.75PV-T4, 300N-1.5PV-T4, 300N-2.2PV-T4, 300N-003PV-T4, 300N-004PV-T4, 300N-5.5PV-T4, 300N-7.5PV-T4, 300N-011PV-T4, 300N-015PV-T4, 300N-18.5PV-T4, 300N-022PV-T4, 300N-030PV-T4, 300N-037PV-T4, 300N-045PV-T4, 300N-055PV-T4, 300N-075PV-T4, 300N-090PV-T4, 300N-110PV-T4, 300N-132PV-T4, 300N-160PV-T4, 300N-185PV-T4, 300N-200PV-T4, 300N-220PV-T4, 300N-250PV-T4, 300N-285PV-T4, 300N-315PV-T4, 300N-355PV-T4, 300N-400PV-T4, 300N-450PV-T4, 300N-500PV-T4, 300N-560PV-T4, 300N-630PV-T4, 300N-720PV-T4, 300N-800PV-T4

Photo documentation:

Type of equipment:	Frequency Inverter

Details of:	
View: [X] general [ ] front [ ] rear [ ] right [ ] left [ ] top [ ] bottom	

- End of Report -