CE EMC Test Report

(Declaration of Conformity)

For

Electromagnetic compatibility

Of

Product :	EcoFlow STREAM AC Pro
Trade Mark :	EF ECOFLOW, ECOFLOW
Model Number :	EF-EA-AC-P2K-1200, EF-EA-AC-P2K-800, EF-EA-AC-P2K-600, EF-EA-AC-2K-800

Prepared for

EcoFlow Inc.

RM 401, Plant #1, Runheng Industrial Zone, Fuyuanyi Road, Zhancheng Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong Province, P.R.China

Prepared by

Shenzhen NTEK Testing Technology Co., Ltd.

Building 1/2/11/12, No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China

Tel.: 0755-2320 0050 Website: http://www.ntek.org.cn

TEST RESULT CERTIFICATION

Applicant's Name ..... :	EcoFlow Inc.
Address ..... :	RM 401, Plant #1, Runheng Industrial Zone, Fuyuanyi Road, Zhancheng Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong Province, P.R.China
Manufacturer's Name ..... :	EcoFlow Inc.
Address ..... :	RM 401, Plant #1, Runheng Industrial Zone, Fuyuanyi Road, Zhancheng Community, Fuhai Street, Bao'an District, Shenzhen City, Guangdong Province, P.R.China

Product description

Product Name ..... :	EcoFlow STREAM AC Pro
Model Number ..... :	EF-EA-AC-P2K-1200, EF-EA-AC-P2K-800, EF-EA-AC-P2K-600, EF-EA-AC-2K-800
Standards ..... :	EN 62920:2017+A1:2021 EN IEC 61000-6-4:2019 EN IEC 61000-6-2:2019 EN IEC 61000-6-3:2021 EN IEC 61000-6-1:2019 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A2:2021

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Test Sample Number ..... :	S250213051001
Date of Test ..... :	
Date (s) of performance of tests ..... :	22 Feb. 2025 ~ 26 Feb. 2025
Date of Issue ..... :	26 Feb. 2025
Test Result ..... :	**Pass**

Testing Engineer : Allen. Huang
(Allen Huang)

Technical Manager : Sky Zhang
(Sky Zhang)

Authorized Signatory : Alex
(Alex)

NTEK Testing Technology Co., Ltd. Shenzhen NTEK Report Seal

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1. TEST SUMMARY

Test procedures according to the technical standards:

EMC Emission				
Standard	Test Item	Limit	Judgment	Remark
EN 62920:2017+A1:2021 EN IEC 61000-6-3:2021 EN IEC 61000-6-4:2019	Conducted Emission	------	PASS	
	Radiated Emission	------	PASS	
EN IEC 61000-3-2:2019+A1:2021	Harmonic Current Emission	Class A	PASS	
EN 61000-3-3:2013+A2:2021	Voltage Fluctuations & Flicker	------	PASS	
EMC Immunity				
Section EN 62920:2017+A1:2021 EN IEC 61000-6-1:2019 EN IEC 61000-6-2:2019	Test Item	Performance Criteria	Judgment	Remark
EN 61000-4-2	Electrostatic Discharge	B	PASS	
EN 61000-4-3	RF electromagnetic field	A	PASS	
EN 61000-4-4	Fast transients	B	PASS	
EN 61000-4-5	Surges	B	PASS	
EN 61000-4-6	Continuous radio frequency disturbances	A	PASS	
EN 61000-4-8	Power Frequency Magnetic Field	A	PASS	
EN 61000-4-11	Volt. Interruption Volt. Dips	B / C / C	PASS	

NOTE:

(1) "N/A" denotes test is not applicable in this Test Report

(2) For client's request and manual description, the test will not be executed.

1.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd.

Add. : Building 1/2/11/12, No. 24 Xinfa East Road, Xiangshan Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China

CNAS-Lab.	:	The Laboratory has been assessed and proved to be in compliance with CNAS-CL01:2018 (identical to ISO/IEC 17025:2017) The Certificate Registration Number is L5516
ISED-Registration	:	The Company Number: 9270A. CAB identifier: CN0074.
FCC- Accredited	:	Test Firm Registration Number: 463705 Designation Number: CN1184
A2LA-Lab.	:	The Certificate Registration Number is 4298.01 This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y** ± **U**, where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2**, providing a level of confidence of approximately **95** %.

Test Item	Measurement Frequency Range	K	U(dB)
Conducted Emission	0.009MHz ~ 0.15MHz	2	3.6
Conducted Emission	0.15MHz ~ 30MHz	2	3.1
Telecom Conducted Emission(Cat 3)	0.15MHz ~ 30MHz	2	3.1
Telecom Conducted Emission(Cat 5)	0.15MHz ~ 30MHz	2	3.6
Telecom Conducted Emission(Cat 6)	0.15MHz ~ 30MHz	2	4.2
Radiated Emission	30MHz ~ 1000MHz	2	5.2
Radiated Emission	1000MHz ~ 18000MHz	2	5.1
Power Clamp	30MHz ~ 300MHz	2	2.2

Revision History

Report No.	Version	Description	Issued Date
S25021305105001	Rev.01	Initial issue of report	Feb. 26, 2025

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	EcoFlow STREAM AC Pro
Model Number	EF-EA-AC-P2K-1200
Additional Model Number(s)	EF-EA-AC-P2K-800, EF-EA-AC-P2K-600, EF-EA-AC-2K-800
Model Difference	All models are identical except model's name, power.
Product Description	The EUT is an EcoFlow STREAM AC Pro. Operating frequency: 2.4 GHz by BT & WiFi (Declaration by Manufacturer) Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as a PCE Device. More details of EUT technical specification, please refer to the User's Manual.
Power Source	AC Voltage
Power Rating	1. AC parallel interface: 1 channel 184-264Vac, 10A, 2300W; 2. AC grid connection interface: 1 channel Grid connected output: 184-264Vac, 3.5A, 800W; Grid input: 184-264Vac, 10A, 2300W; 3. AC load output: 2 channels, with a total output of 2300W for both channels. If one channel carries 2300W, the other channel cannot carry the load; Inverter output: 184-264Vac, 5.3A, 1200W; Bypass output: 184-264Vac, 10A, 2300W

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively. All test modes in the table below are tested, the worst case is listed on this report.

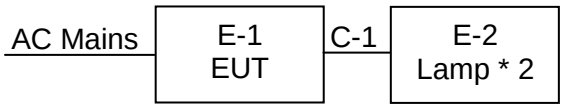
Pretest Mode	Description
Mode 1	Battery charge & AC On Grid + Load
Mode 2	Battery discharge & AC On Grid + Load
Mode 3	Standby

For Conducted Test	
Final Test Mode	Description
Mode 1	Battery charge & AC On Grid + Load
Mode 2	Battery discharge & AC On Grid + Load
Mode 3	Standby

For Radiated Test	
Final Test Mode	Description
Mode 1	Battery charge & AC On Grid + Load
Mode 2	Battery discharge & AC On Grid + Load
Mode 3	Standby

For EMS Test	
Final Test Mode	Description
Mode 1	Battery charge & AC On Grid + Load
Mode 2	Battery discharge & AC On Grid + Load
Mode 3	Standby

2.3 DESCRIPTION OF TEST SETUP



2.4 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Brand	Model/Type No.	Series No.	Note
E-1	EcoFlow STREAM AC Pro	EF ECOFLOW, ECOFLOW	EF-EA-AC-P2K-1200	N/A	EUT
E-2	Lamp*2	N/A	N/A	N/A	AE

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	120cm	

Note:

(1) The support equipment was authorized by Declaration of Confirmation.

(2) For detachable type I/O cable should be specified the length in cm in『Length』column.

(3) "YES" means "shielded" "with core"; "NO" means "unshielded" "without core".

2.5 MEASUREMENT INSTRUMENTS LIST

2.5.1 CONDUCTED TEST

Item	Name of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Single Phase LISN	R&S	ENV216	101490	Apr. 25, 2024	Apr. 24, 2025	1 year
2	Single Phase LISN	R&S	ENV216	101313	Apr. 25, 2024	Apr. 24, 2025	1 year
3	Three-Phase LISN	SCHWARZBECK	NNLK 8129	8129245	Apr. 25, 2024	Apr. 24, 2025	1 year
4	Low Frequency Cable	N/A	R-03	N/A	Apr. 25, 2024	Apr. 24, 2027	3 years
5	50Ω Coaxial Switch	Anritsu	MP59B	6200983704	Apr. 26, 2024	Apr. 25, 2027	3 years
6	EMI Test Receiver	R&S	ESCI	101160	Apr. 26, 2024	Apr. 25, 2025	1 year
7	EMI Test Receiver	R&S	ESPI3	101417	May 15, 2024	May 14, 2025	1 year
8	EMI Test Receiver	R&S	ESPI3	100145	Apr. 26, 2024	Apr. 25, 2025	1 year
9	DC-AMN LISN	SCHWARZBECK	PVDC 8301	8301-00117	Apr. 26, 2024	Apr. 25, 2025	1 year
10	Single Phase LISN	R&S	ENV216	102849	Apr. 26, 2024	Apr. 25, 2025	1 year
11	Single Phase LISN	R&S	ENV216	102827	Apr. 26, 2024	Apr. 25, 2025	1 year

2.5.2 RADIATED TEST

Item	Name of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	3m Anechoic Chamber	N/A	9*6*6	N/A	Jun. 07, 2024	Jun. 06, 2027	3 years
2	3m Anechoic Chamber	N/A	9*6*6	N/A	Jun. 18, 2024	Jun. 17, 2027	3 years
3	EMI Test Receiver	R&S	ESPI7	101318	Apr. 26, 2024	Apr. 25, 2025	1 year
4	Bilog Antenna	TESEQ	CBL6111D	31216	May 12, 2024	May 11, 2025	1 year
5	50Ω Coaxial Switch	Anritsu	MP59B	6200983705	Apr. 26, 2024	Apr. 25, 2027	3 years
6	Cable	Talent Microwave	A81-NWMSMAM-12M	21120897	Apr. 26, 2024	Apr. 25, 2027	3 years
7	Cable	Talent Microwave	A81-NMNM-10M	24012011	Apr. 26, 2024	Apr. 25, 2027	3 years
8	Cable	Talent Microwave	A81-NMNM-10M	22084896	Apr. 26, 2024	Apr. 25, 2027	3 years
9	Log-Periodic Antenna	SCHWARZBECK	VULB 9162	675	May 18, 2024	May 17, 2025	1 year
10	Log-Periodic Antenna	SCHWARZBECK	VULB 9162	584	May 25, 2024	May 24, 2025	1 year
11	Log-Periodic Antenna	SCHWARZBECK	VULB 9162	586	May 12, 2024	May 11, 2025	1 year
12	Cable	Talent Microwave	A81-NMNM-2M	22084895	Apr. 26, 2024	Apr. 25, 2027	3 years
13	Attenuator	Eastsheep	5W-N-JK-6G-6DB	N/A	Apr. 25, 2024	Apr. 24, 2025	1 year
14	Attenuator	Eastsheep	5W-N-JK-6G-6DB	N/A	Apr. 26, 2024	Apr. 25, 2025	1 year
15	Broadband Horn Antenna	EM	EM-AH-10180	2011071402	May 12, 2024	May 11, 2027	3 years
16	Broadband Horn Antenna	SCHWARZBECK	BBHA 9120D	2816	May 18, 2024	May 17, 2027	3 years
17	Broadband Horn Antenna	SCHWARZBECK	BBHA 9120D	2817	May 12, 2024	May 11, 2027	3 years
18	Spectrum Analyzer	Keysight	N9020A	MY53280244	Apr. 25, 2024	Apr. 24, 2025	1 year
19	Spectrum Analyzer	Agilent	E4440A	MY41000130	Apr. 26, 2024	Apr. 25, 2025	1 year
20	Pre-Amplifier	EMC	EMC051835SE	980246	Apr. 25, 2024	Apr. 24, 2025	1 year
21	PREAMPLIFIER	Agilent	8449B	30008A01520	Apr. 26, 2024	Apr. 25, 2025	1 year

22	Low Noise Amplifier	B&Z	BZ-P540-550850-452727	16476-11729	Apr. 25, 2024	Apr. 24, 2025	1 year
23	Cable	Keysight	A40-2.92M 2.92M-2M	1808041	Apr. 26, 2024	Apr. 25, 2027	3 years

2.5.3 HARMONICS AND FLICKERS

Item	Name of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Power Analyzer	EVERFINE	HFM-3000_V200	P630850CD141117	May 15, 2024	May 14, 2025	1 year
2	AC Power Source	EVERFINE	HFS-4000_V500	P635455CA8421122	May 15, 2024	May 14, 2025	1 year
3	Power Analyzer	EM TEST	DPA500	0303-04	Apr. 26, 2024	Apr. 25, 2025	1 year
4	AC Power Source	EM TEST	ACS 500S1	0203-01	Apr. 26, 2024	Apr. 25, 2025	1 year
5	EMC Testing System	APS	ECTS2-3500Z	550252	Sep. 25, 2024	Sep. 24, 2025	1 year
6	Data acquisition instrument	DEWETRON	DEWE3-M4	CA240524	Sep. 25, 2024	Sep. 24, 2025	1 year
7	AC/DC bidirectional power supply	APS	3550AZX-4E	176850114	Sep. 25, 2024	Sep. 24, 2025	1 year

2.5.4 ESD

Item	Name of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	ESD Generator	EVERFINE	EMS61000-2A	P615727TA1421113	May 27, 2024	May 26, 2025	1 year
2	Electrostatic Discharge Generator	Lioncel	ESD-203B	ESD203B0150402	Jun. 03, 2024	Jun. 02, 2025	1 year

2.5.5 RS

Item	Name of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	RF Test System Controller	AR	SC1000	0350156	Apr. 26, 2024	Apr. 25, 2027	3 years
2	3m Anechoic Chamber	N/A	7*5*4	N/A	Jul. 03, 2024	Jul. 02, 2027	3 years
3	Broadband Amplifier	AR	60S1G6	0350414	Apr. 26, 2024	Apr. 25, 2025	1 year
4	Bilog Antenna	ETS	3142E	00214344	Jun. 01, 2024	May 30, 2027	3 years
5	Power Amplifier	rflight	NTWPA-00810200	17063153	Apr. 26, 2024	Apr. 25, 2025	1 year
6	PSG Analog Signal Generator	Agilent	E8257D	MY51110112	May 30, 2024	May 29, 2025	1 year
7	ESG Vetctor Signal Generator	Agilent	E4438C	MY45093347	Apr. 26, 2024	Apr. 25, 2025	1 year

2.5.6 EFT/BURST, SURGE, VOLTAGE INTERRUPTION/DIPS

Item	Name of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Electrical Intelligent Transient Generator	EVERFINE	EMS61000-4A	P612005CM5421115	Apr. 25, 2024	Apr. 24, 2025	1 year
2	Electrical Intelligent Transient Generator	EVERFINE	EMS61000-4A-V2	1012005	Apr. 26, 2024	Apr. 25, 2025	1 year
3	Capacitive Coupling Clamp	EVERFINE	EFTC-2-V1	910006	Apr. 25, 2024	Apr. 24, 2025	1 year
4	Surge Generator	EVERFINE	EMS61000-5A	P612004TJ6421112	Apr. 25, 2024	Apr. 24, 2025	1 year
5	CCITT Surge Generator	EVERFINE	EMS61000-5D	P615656TD1401113	Apr. 25, 2024	Apr. 24, 2025	1 year
6	Telecommunication Lines Cdn	EVERFINE	SGN-8	P619137TS1411113	Apr. 25, 2024	Apr. 24, 2025	1 year

7	Signal Lines CDN	EVERFINE	SGN-5	P619136TJ 6421113	Apr. 25, 2024	Apr. 24, 2025	1 year
8	Electrical Intelligent Transient Generator	LIONCEL	LSG-506CB	LSG506CB -0240301	Apr. 20, 2024	Apr. 19, 2025	1 year
9	Voltage Dips And Interruptions Generator	EVERFINE	EMS61000-11K	P612006CJ 1421117	Apr. 25, 2024	Apr. 24, 2025	1 year

2.5.7 CONTINUOUS RADIO FREQUENCY DISTURBANCES

Item	Name of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Signal Generator	R&S	SML03	100954	May 30, 2024	May 29, 2025	1 year
2	Coupling and Decoupling Network	TESEQ	CDN M016	38722	Apr. 26, 2024	Apr. 25, 2025	1 year
3	Power Amplifier	TESEQ	CBA 230M-080	T44376	Apr. 26, 2024	Apr. 25, 2025	1 year
4	Attenuator	Jingtenghong	JTH-SJ-100 W-6dB	N/A	Apr. 26, 2024	Apr. 25, 2027	3 years
5	EM Clamp	TESEQ	KEMZ 801A	47860	Apr. 26, 2024	Apr. 25, 2025	1 year

2.5.8 PFMF

Item	Name of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Magnetic Field Generator	EVERFINE	EMS61000-8K	1007001	Apr. 26, 2024	Apr. 25, 2025	1 year
2	Magnetic Field Coil	EVERFINE	N/A	N/A	Apr. 26, 2024	Apr. 25, 2025	1 year

2.6 MEASUREMENT SOFTWARE

CONDUCTED TEST		
Software name	Manufacturer	Version number
EZ-EMC_CE	Farad	AIT-03A
RADIATED TEST		
Software name	Manufacturer	Version number
EZ-EMC_RE	Farad	EMEC-3A1+
Harmonic Current and Voltage Fluctuations&Flicker TESTS		
Software name	Manufacturer	Version number
HFMSuite	Everfine	V2.00.131
RF ELECTROMAGNETIC FIELD TEST		
Software name	Manufacturer	Version number
RadiMation	Raditeq	2023.1.3
INJECTED CURRENT TEST		
Software name	Manufacturer	Version number
CS_test	NTEK	V1.0

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150kHz-30MHz)

FREQUENCY (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56 *	56 - 46 *
0.50 - 5.0	56.00	46.00
5.0 - 30.0	60.00	50.00

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

3.1.2 WIRED NETWORK PORT CONDUCTED EMISSION(VOLTAGE LIMITS) (Frequency Range 150kHz-30MHz)

FREQUENCY (MHz)	Limits (dBμV)	
	Quasi-peak	Average
0.15 - 0.50	84 - 74	74 - 64
0.50 - 30.0	74	64

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

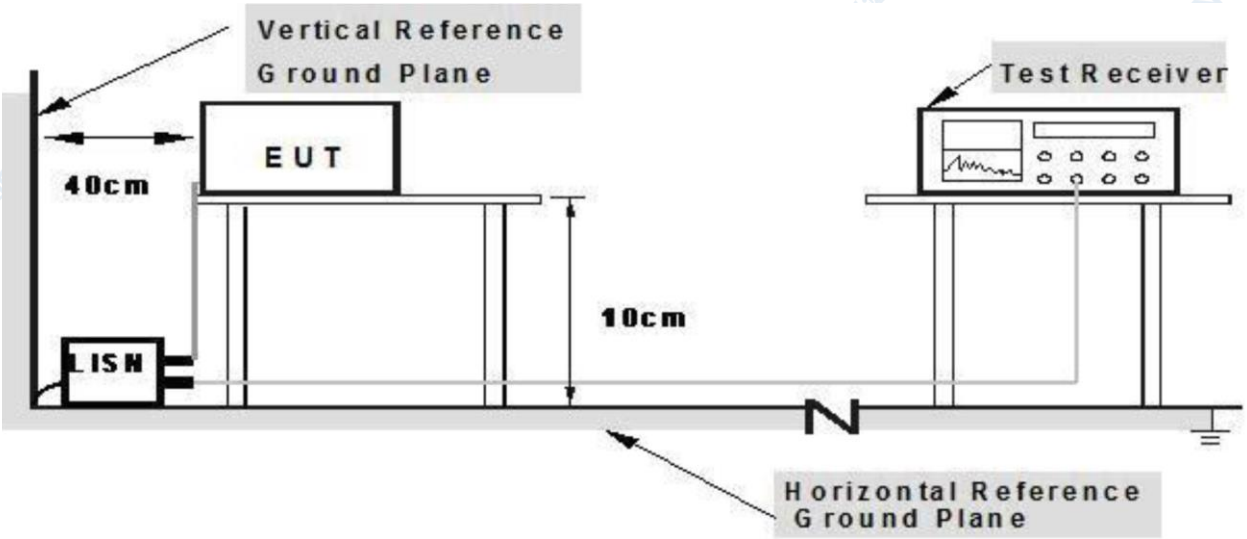
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.1.3 TEST PROCEDURE

a. The EUT was placed 0.1 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 10 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.1.4 TEST SETUP



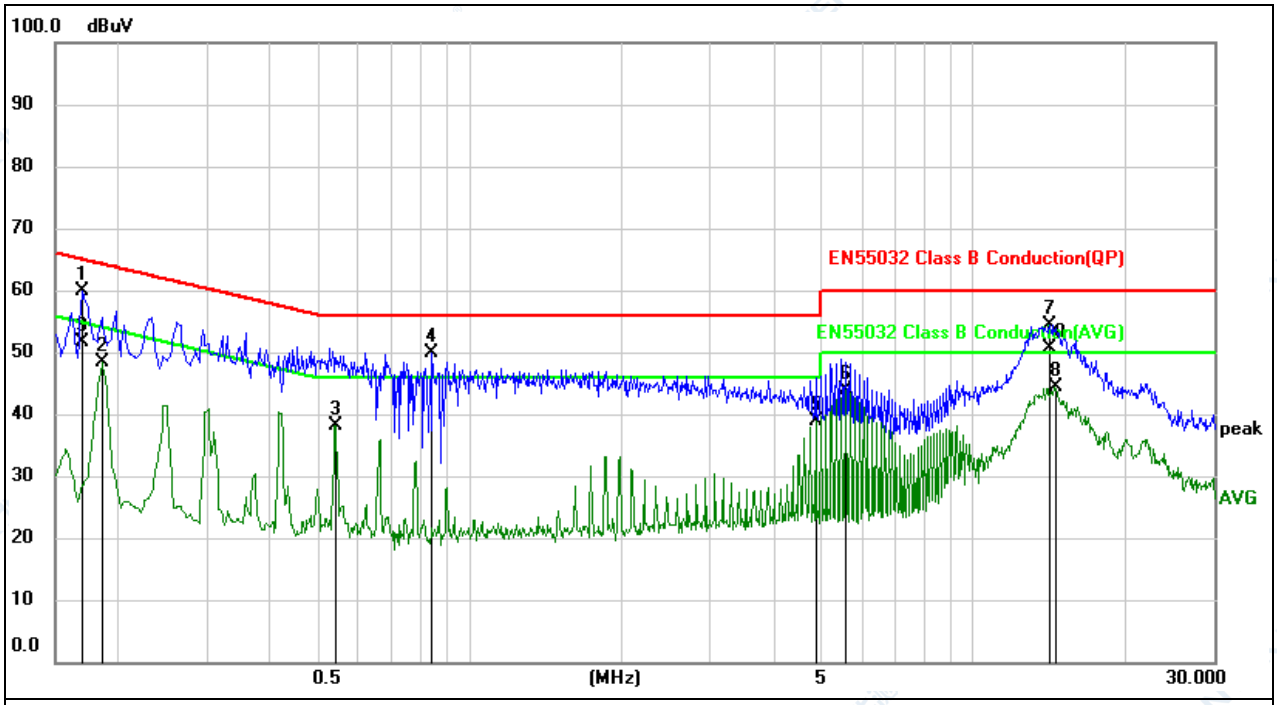
Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.

3.1.6 TEST RESULTS

EUT:	EcoFlow STREAM AC Pro	Model Name:	EF-EA-AC-P2K-1200
Temperature:	25.6℃	Relative Humidity:	58%RH
Pressure:	1010hPa	Test Date:	2025-02-25
Test Mode:	Battery charge & AC On Grid + Load	Phase:	L
Test Voltage:	AC 230V/50Hz		

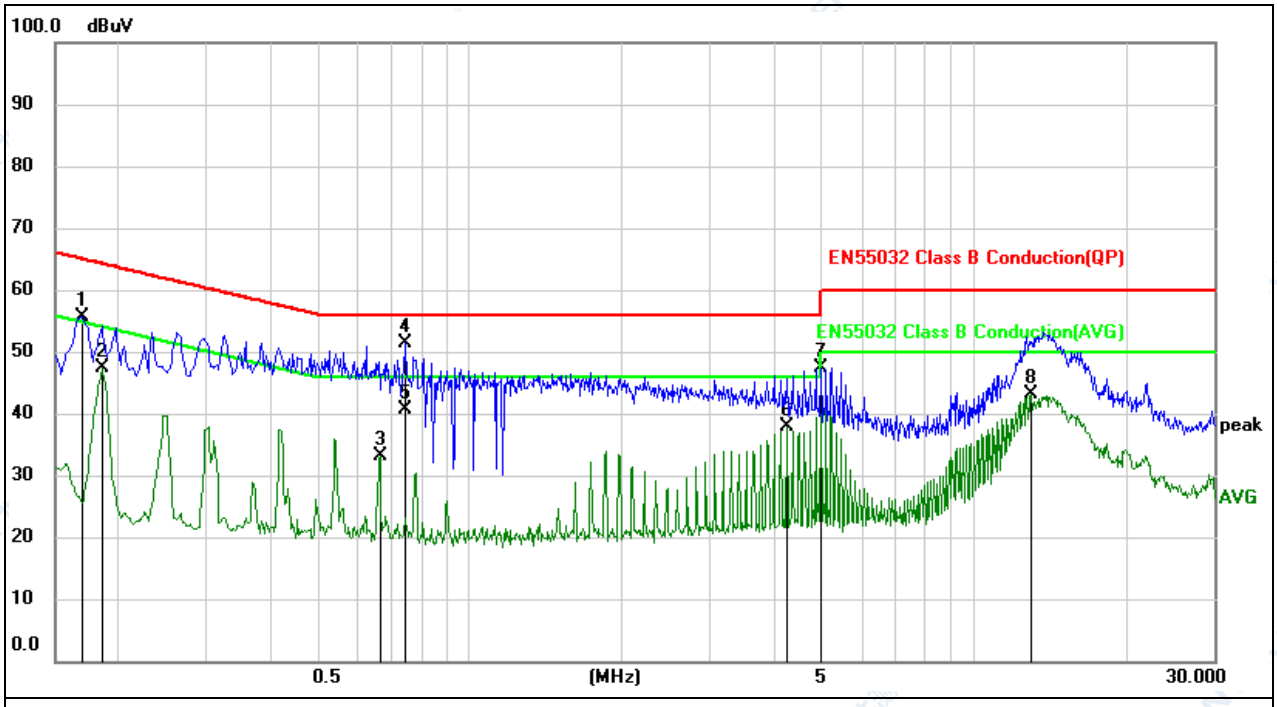


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1700	39.24	20.63	59.87	64.96	-5.09	peak	
2		0.1860	27.88	20.57	48.45	54.21	-5.76	AVG	
3		0.5420	17.70	20.38	38.08	46.00	-7.92	AVG	
4		0.8420	29.50	20.31	49.81	56.00	-6.19	peak	
5		4.8620	18.38	20.43	38.81	46.00	-7.19	AVG	
6		5.5820	23.32	20.44	43.76	50.00	-6.24	AVG	
7		14.1420	33.72	20.54	54.26	60.00	-5.74	peak	
8		14.4620	23.75	20.55	44.30	50.00	-5.70	AVG	
9		0.1700	31.03	20.63	51.66	64.96	-13.30	QP	
10		14.1420	30.03	20.54	50.57	60.00	-9.43	QP	

Remark:

Factor = Insertion Loss + Cable Loss.

EUT:	EcoFlow STREAM AC Pro	Model Name:	EF-EA-AC-P2K-1200
Temperature:	25.6℃	Relative Humidity:	58%RH
Pressure:	1010hPa	Test Date:	2025-02-25
Test Mode:	Battery charge & AC On Grid + Load	Phase:	N
Test Voltage:	AC 230V/50Hz		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1700	35.06	20.63	55.69	64.96	-9.27	peak	
2		0.1860	26.84	20.57	47.41	54.21	-6.80	AVG	
3		0.6620	12.71	20.32	33.03	46.00	-12.97	AVG	
4	*	0.7460	31.02	20.32	51.34	56.00	-4.66	peak	
5		0.7460	20.21	20.32	40.53	56.00	-15.47	QP	
6		4.2619	17.50	20.44	37.94	46.00	-8.06	AVG	
7		4.9820	26.91	20.43	47.34	56.00	-8.66	peak	
8		13.0219	22.65	20.52	43.17	50.00	-6.83	AVG	

Remark:

Factor = Insertion Loss + Cable Loss.

3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT (Below 1000MHz)

FREQUENCY (MHz)	Limits For SAC(dBuV/m)	
	☐At 10m	☒At 3m
30 - 230	30	40
230 - 1000	37	47

3.2.2 LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

FREQUENCY (MHz)	Limits For FAR / SAC(dBuV/m) (At 3m)	
	Peak	Avg
1000 - 3000	70	50
3000 - 6000	74	54

Note:

(1) The limit for radiated test was performed according to as following: EN IEC 61000-6-3.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBμV/m)=20log Emission level (μV/m).

3.2.3 TEST PROCEDURE

a. The measuring distance of at 3m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.

b. The EUT was placed on the top of a rotating table 0.1 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The height of the equipment or of the substitution antenna shall be 0.1 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

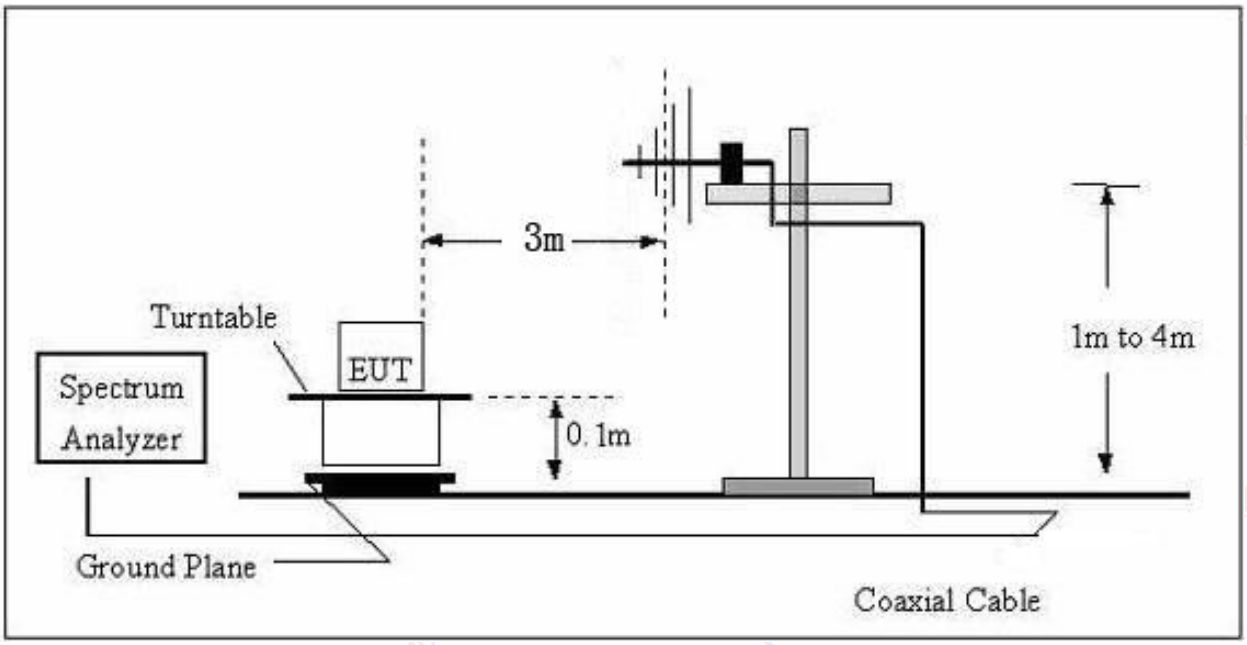
d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured, above 1G Average detector mode will be instead.

e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP(AV) Limits and then no additional QP Mode measurement performed.

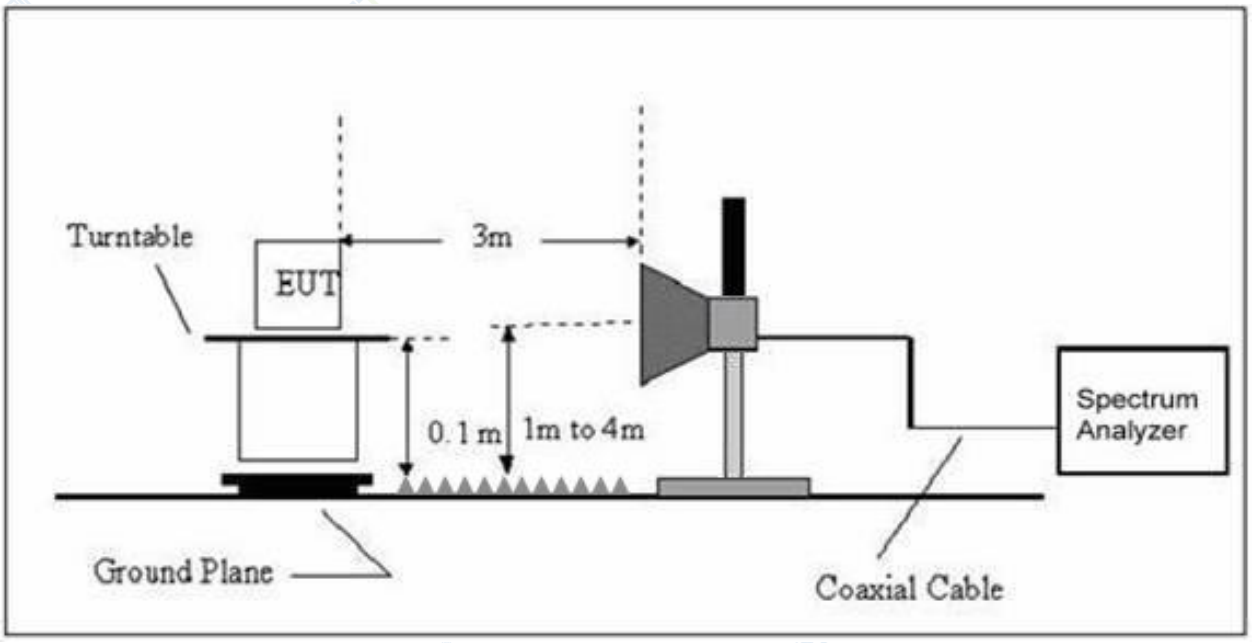
f. For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.2.4 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(B) Radiated Emission Test Set-Up Frequency Above 1GHz

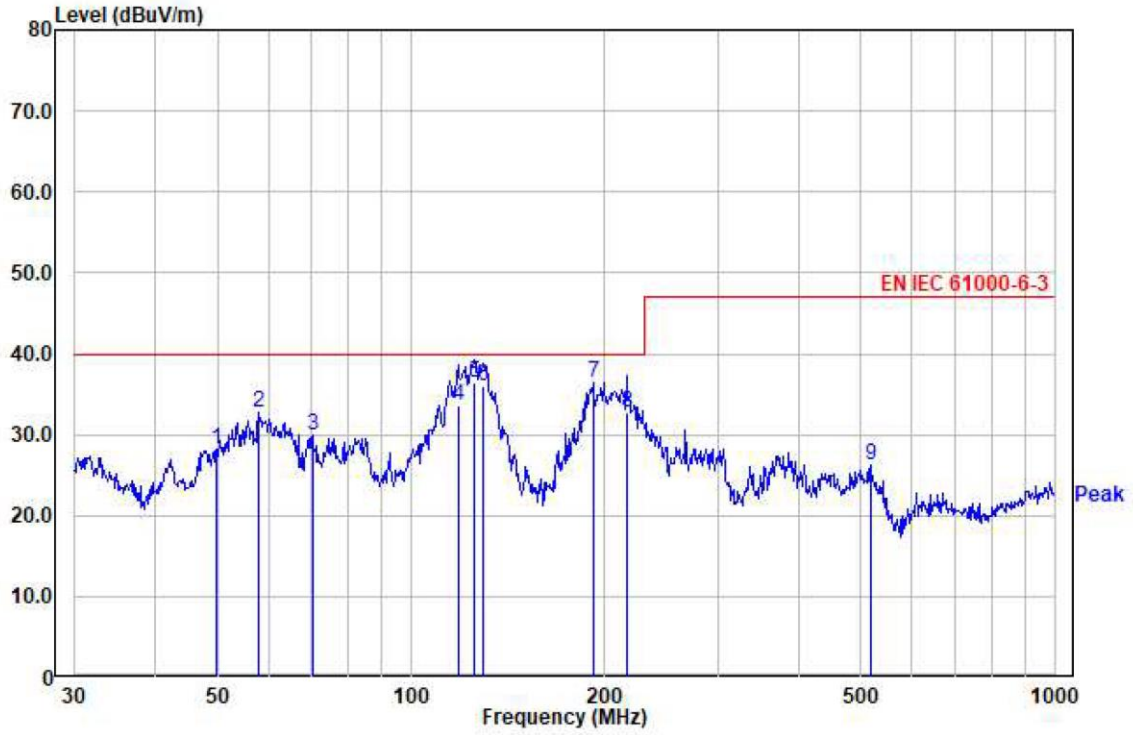


3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **2.3** Unless otherwise a special operating condition is specified in the follows during the testing.

3.2.6 TEST RESULTS (30-1000MHz)

EUT:	EcoFlow STREAM AC Pro	Model Name:	EF-EA-AC-P2K-1200
Temperature:	25.2℃	Relative Humidity:	51%RH
Pressure:	1010hPa	Test Date:	2025-02-25
Test Mode:	Battery charge & AC On Grid + Load	Polarization:	Horizontal
Test Power:	AC 230V/50Hz		

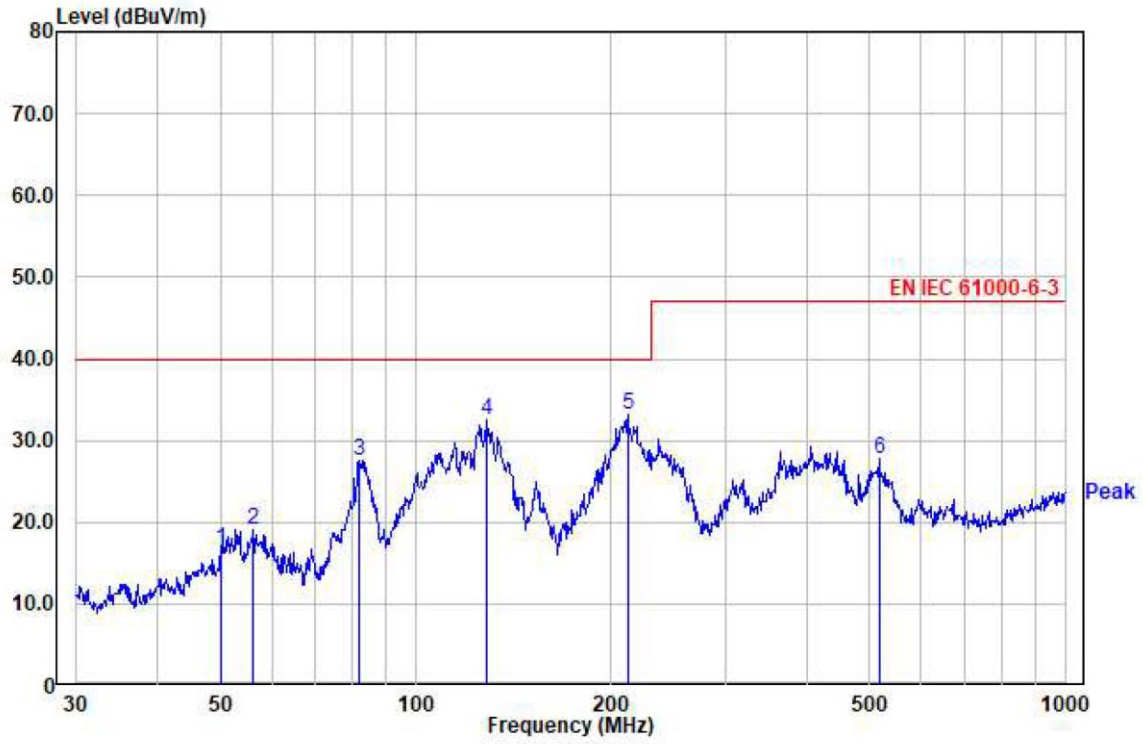


Freq MHz	Reading dBuV	C.F dB	Result dBuV/m	Limit dBuV/m	Over Limit dB	Polarity deg	Remark
49.88	46.58	-18.29	28.29	40.00	-11.71	Vertical	Peak
57.80	51.75	-19.02	32.73	40.00	-7.27	Vertical	Peak
70.34	50.73	-20.92	29.81	40.00	-10.19	Vertical	Peak
118.19	52.30	-18.77	33.53	40.00	-6.47	Vertical	QP
125.45	54.63	-18.24	36.39	40.00	-3.61	Vertical	QP
129.47	54.05	-17.98	36.07	40.00	-3.93	Vertical	QP
191.75	56.36	-19.89	36.47	40.00	-3.53	Vertical	

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

Remark:
Factor = Antenna Factor + Cable Loss.

EUT:	EcoFlow STREAM AC Pro	Model Name:	EF-EA-AC-P2K-1200
Temperature:	25.2℃	Relative Humidity:	51%RH
Pressure:	1010hPa	Test Date:	2025-02-25
Test Mode:	Battery charge & AC On Grid + Load	Polarization:	Vertical
Test Power:	AC 230V/50Hz		



Freq MHz	Reading dBuV	C.F dB	Result dBuV/m	Limit dBuV/m	Over Limit dB	Polarity deg	Remark
50.06	35.00	-18.30	16.70	40.00	-23.30	Horizontal	Peak
56.20	37.99	-18.82	19.17	40.00	-20.83	Horizontal	Peak
81.78	49.28	-21.66	27.62	40.00	-12.38	Horizontal	Peak
128.56	50.65	-18.04	32.61	40.00	-7.39	Horizontal	Peak
212.27	53.24	-20.15	33.09	40.00	-6.91	Horizontal	Peak
517.25	40.45	-12.76	27.69	47.00	-19.31	Horizontal	Peak

Remarks: C.F (Correction Factor) = Antenna factor + Cable loss - Preamp gain

Remark:
Factor = Antenna Factor + Cable Loss.

3.3 HARMONICS CURRENT

3.3.1 LIMITS OF HARMONICS CURRENT (CLASS A & CLASS D)

Table 1 - Limits for Class A equipment

Harmonic order (n)	Maximum permissible harmonic current (A)
Odd harmonics	
3	2.3
5	1.14
7	0.77
9	0.4
11	0.33
13	0.21
15≤n≤39	0.15*(15/n)
Even harmonics	
2	1.08
4	0.43
6	0.30
8≤n≤40	0.23*(8/n)

Table 2 - Limits for Class D equipment

Harmonic order (n)	Maximum permissible harmonic current per watt (mA/W)	Maximum permissible harmonic current (A)
3	3.4	2.30
5	1.9	1.14
7	1.0	0.77
9	0.5	0.40
11	0.35	0.33
13≤n≤39 (odd harmonics only)	3.85/n	See table 1

Note: Reference standard of the two tables above: EN IEC 61000-3-2.

3.3.1.1 TEST PROCEDURE

a. The EUT was placed on the top of a wooden table 0.8 meters above the ground and operated to produce the maximum harmonic components under normal operating conditions.

b. The classification of EUT is according to section 5 of EN IEC 61000-3-2. The EUT is classified as follows:

Class A: Balanced three-phase equipment, Household appliances excluding equipment as Class D, Tools excluding portable tools, Dimmers for incandescent lamps, audio equipment, equipment not specified in one of the three other classes.

Class B: Portable tools. Portable tools.; Arc welding equipment which is not professional equipment.

Class C: Lighting equipment.

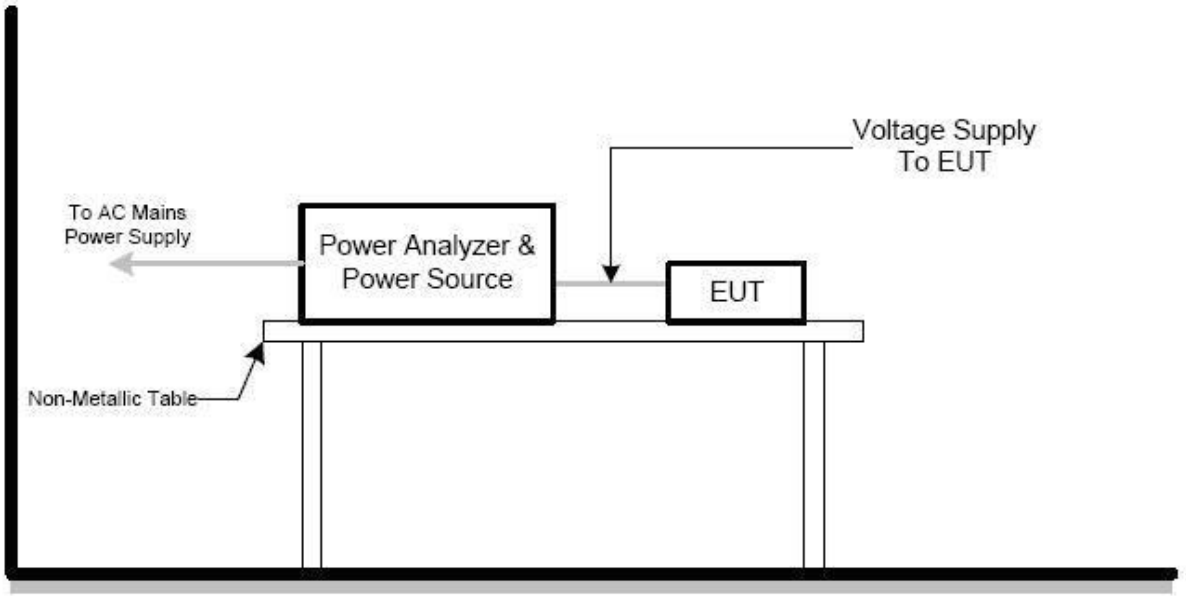
Class D: Equipment having a specified power less than or equal to 600W of the following types: Personal computers and personal computer monitors and television receivers.

c. The correspondent test program of test instrument to measure the current harmonics emanated from EUT is chosen. The measure time shall be not less than the time necessary for the EUT to be exercised.

3.3.1.2 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

3.3.1.3 TEST SETUP



3.3.2 TEST RESULTS

EUT:	EcoFlow STREAM AC Pro	Model Name:	EF-EA-AC-P2K-1200
Temperature:	25.5℃	Relative Humidity:	55%RH
Pressure:	1010hPa	Test Date:	2025-02-26
Classification:	Class A	Test duration:	150s
Test Mode:	Battery charge & AC On Grid + Load		
Test Power:	AC 230V/50Hz		

3.4 VOLTAGE FLUCTUATION AND FLICKERS

3.4.1 LIMITS OF VOLTAGE FLUCTUATION AND FLICKERS

Test items	Limits(EN 61000-3-3)	Descriptions
P_{st}	≤1.0, T_p=10min	short-term flicker indicator
P_{lt}	≤0.65, T_p=2h	long-term flicker indicator
d_c	≤3.3%	relative steady-state voltage change
d_{max}	≤4%(or 6%$_{Note(1)}$, 7% $_{Note(2)}$)	maximum relative voltage change
$d_{(t)}$	≤3.3%, more than 500ms	relative voltage change characteristic

Note:

1. 6 % for equipment which is:
   a. switched manually, or
   b. switched automatically more frequently than twice per day, and also has either a delayed restart (the delay being not less than a few tens of seconds), or manual restart, after a power supply interruption.
2. 7 % for equipment which is
   a. attended whilst in use (for example: hair dryers, vacuum cleaners, kitchen equipment such as mixers, garden equipment such as lawn mowers, portable tools such as electric drills), or
   b. switched on automatically, or is intended to be switched on manually, no more than twice per day, and also has either a delayed restart (the delay being not less than a few tens of seconds) or manual restart, after a power supply interruption.

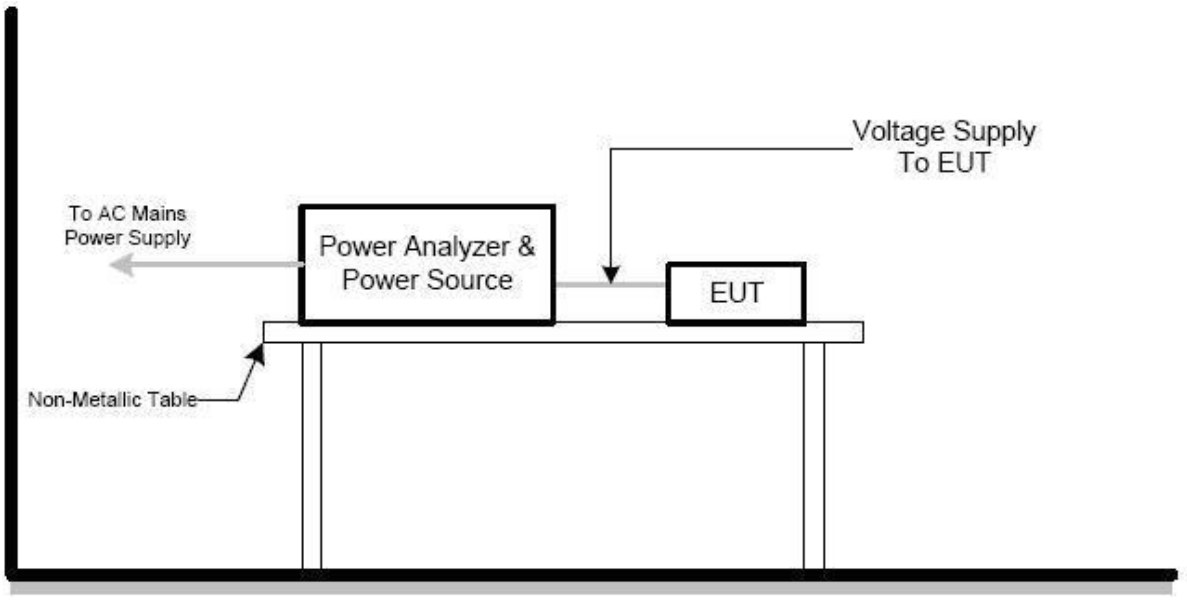
3.4.1.1 TEST PROCEDURE

a. Fluctuation and Flickers Test:
   Tests was performed according to the Test Conditions/Assessment of Voltage Fluctuations specified in Clause 6.0/4.0 of IEC/EN 61000-3-3 depend on which standard adopted for compliance measurement.
b. All types of voltage fluctuation in this report are assessed by direct measurement using flicker-meter.

3.4.1.2 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

3.4.1.3 TEST SETUP



3.4.2 TEST RESULTS

EUT:	EcoFlow STREAM AC Pro	Model Name:	EF-EA-AC-P2K-1200
Temperature:	25.5℃	Relative Humidity:	55%RH
Pressure:	1010hPa	Test Date:	2025-02-26
Test Mode:	Battery charge & AC On Grid + Load		
Test Power:	AC 230V/50Hz		

4. EMC IMMUNITY TEST

4.1 STANDARD COMPLIANCE/SEVERITY LEVEL/CRITERIA

Tests Standard No.	TEST SPECIFICATION	Test Mode Test Ports	Perform Criteria
1. ESD IEC/EN 61000-4-2	8kV air discharge 4kV contact discharge	Direct Mode	B
	4kV HCP discharge 4kV VCP discharge	Indirect Mode	B
2. RS IEC/EN 61000-4-3	80 MHz to 1000 MHz, 1400 MHz to 6000 MHz, 1 kHz, 80%, AM modulated	Enclosure	A
3. EFT/Burst IEC/EN 61000-4-4	5/50ns Tr/Th 5kHz Repetition Freq.	Power Supply Port	B
		CTL/Signal Port Data Line Port	B
4. Surges IEC/EN 61000-4-5	1.2/50(8/20) Tr/Th μs	L-N	B
		L-PE N-PE	B
		CTL/Signal Port	B
5. Continuous radio frequency disturbances IEC/EN 61000-4-6	0.15 MHz to 80 MHz; 1 kHz, 80%, AM Modulated, 150Ω source impedance	AC Power Port	A
		DC Power Port	A
		CTL/Signal Port	A
6. Power Frequency Magnetic Field IEC/EN 61000-4-8	50 Hz	Enclosure	A
7. Volt. Interruption Volt. Dips IEC/EN 61000-4-11	Voltage Interruption 100%	AC Power Port	B
	Voltage dip 60% / Voltage dip 30%		C
	Voltage Interruption 100%		C

4.2 GENERAL PERFORMANCE CRITERIA

According to **EN IEC 61000-6-2** standard, the general performance criteria as following:

Criterion A	The equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.
Criterion B	After the test, the equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed, after the application of the phenomena below a performance level specified by the manufacturer, when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. 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	Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacturer's instructions. Functions, and/or information stored in non-volatile memory, or protected by a battery backup, shall not be lost.

4.3 GENERAL PERFORMANCE CRITERIA TEST SETUP

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

4.4 ESD TESTING

4.4.1 TEST SPECIFICATION

Basic Standard:	IEC/EN 61000-4-2
Discharge Impedance:	330ohm / 150pF
Required Performance:	B
Discharge Voltage:	Air Discharge: 2kV/4kV/8kV (Direct) Contact Discharge: 2kV/4kV (Direct/Indirect)
Polarity:	Positive & Negative
Number of Discharge:	Air Discharge: min. 20 times at each test point Contact Discharge: min. 20 times at each test point
Discharge Mode:	Single Discharge
Discharge Period:	1 second minimum

4.4.2 TEST PROCEDURE

The test generator necessary to perform direct and indirect application of discharges to the EUT in the following manner:

a. Indirect application of the discharge:

Vertical Coupling Plane (VCP):

At least 10 single discharges (in the most sensitive polarity) shall be applied to the centre of one vertical edge of the coupling plane. The coupling plane, of dimensions 0,5 m × 0,5 m, is placed parallel to, and positioned at a distance of 0,1 m from, the EUT.

Discharges shall be applied to the coupling plane, with sufficient different positions such that the four faces of the EUT are completely illuminated. One VCP position is considered to illuminate 0,5 m × 0,5 m area of the EUT surface.

Horizontal Coupling Plane (HCP):

Discharge to the HCP shall be made horizontally to the edge of the HCP.

At least 10 single discharges (in the most sensitive polarity) shall be applied at the front edge of each HCP opposite the centre 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.

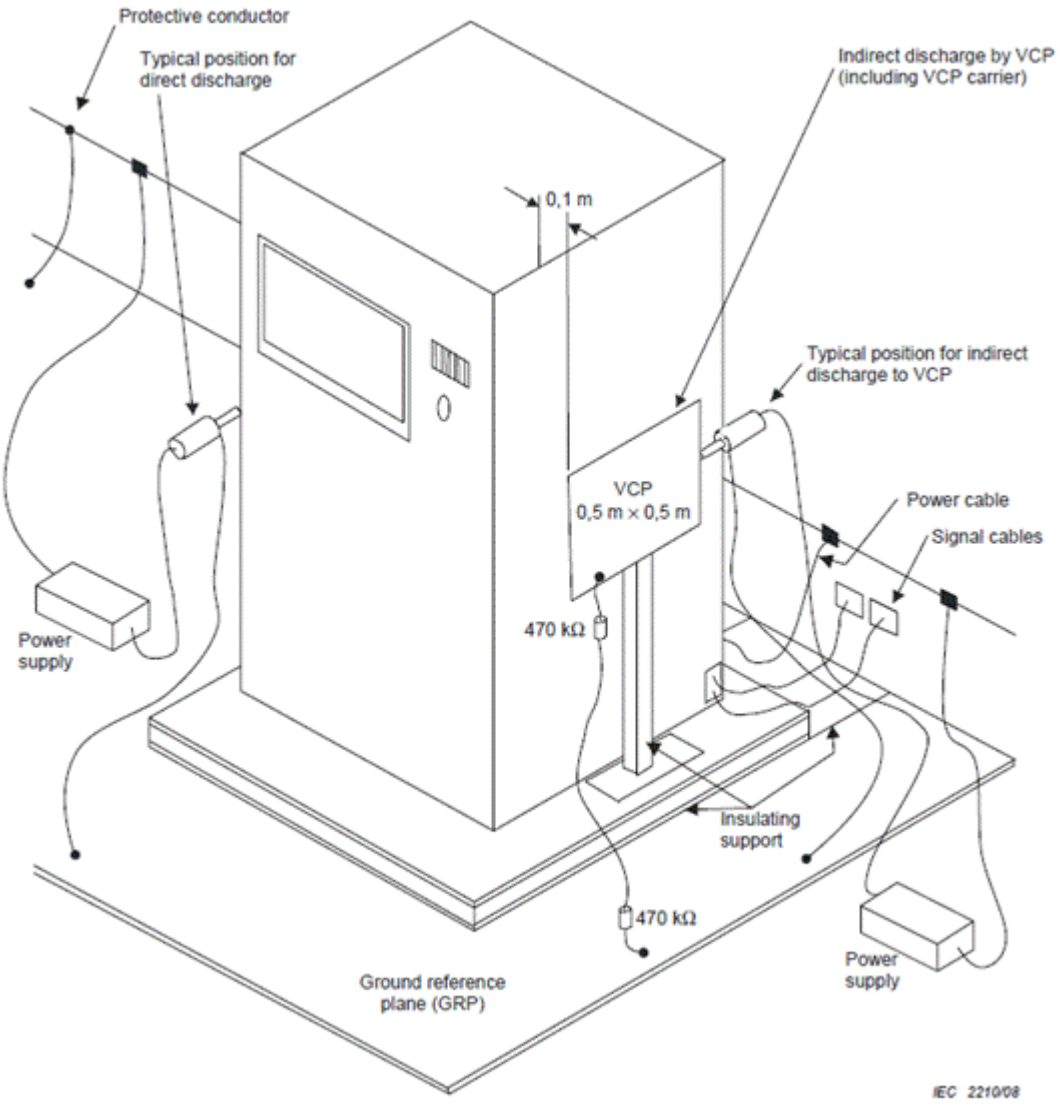
The discharge electrode shall be in contact with the edge of the HCP before the discharge switch is operated

b. Direct application of discharges to the EUT

The test shall be performed with single discharges. On each pre-selected point at least 10 single discharges (in the most sensitive polarity) shall be applied.

For the time interval between successive single discharges an initial value of 1 s is recommended. Longer intervals may be necessary to determine whether a system failure has occurred.

4.4.3 TEST SETUP



Note:

TABLE-TOP EQUIPMENT

The configuration consisted of a wooden table 0.8 meters high standing on the Ground Reference Plane. The GRP consisted of a sheet of aluminum at least 0.25mm thick, and 2.5 meters square connected to the protective grounding system. A Horizontal Coupling Plane (1.6m x 0.8m) was placed on the table and attached to the GRP by means of a cable with 940k total impedance. The equipment under test, was installed in a representative system as described in section 7 of IEC/EN 61000-4-2, and its cables were placed on the HCP and isolated by an insulating support of 0.5mm thickness. A distance of1-meter minimum was provided between the EUT and the walls of the laboratory and any other metallic structure.

FLOOR-STANDING EQUIPMENT

The equipment under test was installed in a representative system as described in section 7 of IEC/EN 61000-4-2, and its cables were isolated from the Ground Reference Plane by an insulating support of 0.1-meter thickness. The GRP consisted of a sheet of aluminum that is at least 0.25mm thick, and 2.5meters square connected to the protective grounding system and extended at least 0.5 meters from the EUT on all sides.

4.4.4 TEST RESULTS

EUT:	EcoFlow STREAM AC Pro	Model Name:	EF-EA-AC-P2K-1200
Temperature:	25.5℃	Relative Humidity:	55%RH
Pressure:	1010hPa	Test Date:	2025-02-26
Test Mode:	Battery charge & AC On Grid + Load / Battery discharge & AC On Grid + Load / Standby		
Test Power:	AC 230V/50Hz		

Mode	Contact Discharge (Indirect)							Criterion	Result
Test Level(kV)	Test Point	2		4		6			
Test Location		+	-	+	-	+	-		
HCP / VCP	Front	P	P	P	P			**B**	**Complies**
	Rear	P	P	P	P				
	Left	P	P	P	P				
	Right	P	P	P	P				

Mode	Air Discharge								Contact Discharge								Criterion	Result
Test Level(kV)	2		4		8		15		2		4		6		8			
Test Location	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-		
Gap	P	P	P	P	P	P											**B**	**Complies**
Button	P	P	P	P	P	P												
AC port	P	P	P	P	P	P												
Metal									P	P	P	P						

Note:

(1) +/- denotes the Positive/Negative polarity of the output voltage.

(2) In the table: 'P' represents 'PASS'; 'F' represents 'FAIL'.

(3) Criteria A: Normal performance within limits specified by the manufacturer, requestor or purchaser.

(4) Criteria B: Temporary loss of function or degradation of performance which ceases after the disturbance ceases, and from which the EUT recovers its normal performance, without operator intervention.

(5) Criteria C: Temporary loss of function or degradation of performance, the correction of which requires operator intervention.

(6) Criteria D: Loss of function or degradation of performance which is not recoverable, owing to damage to hardware or software, or loss of data.

4.5 RS TESTING

4.5.1 TEST SPECIFICATION

Basic Standard:	IEC/EN 61000-4-3
Required Performance:	A
Frequency Range & Field Strength:	80 MHz to 1000 MHz: 10V/m 1400 MHz to 6000 MHz: 3 V/m
Modulation:	1kHz Sine Wave, 80%, AM Modulation
Frequency Step:	1 % of fundamental
Polarity of Antenna:	Horizontal and Vertical
Test Distance:	3 m
Antenna Height:	1.5 m
Dwell Time:	3 seconds

4.5.2 TEST PROCEDURE

The EUT and support equipment, which are placed on a table that is 0.8 meter above ground and the testing was performed in a fully-anechoic chamber.

The testing distance from antenna to the EUT was 3 meters.

The other condition as following manner:

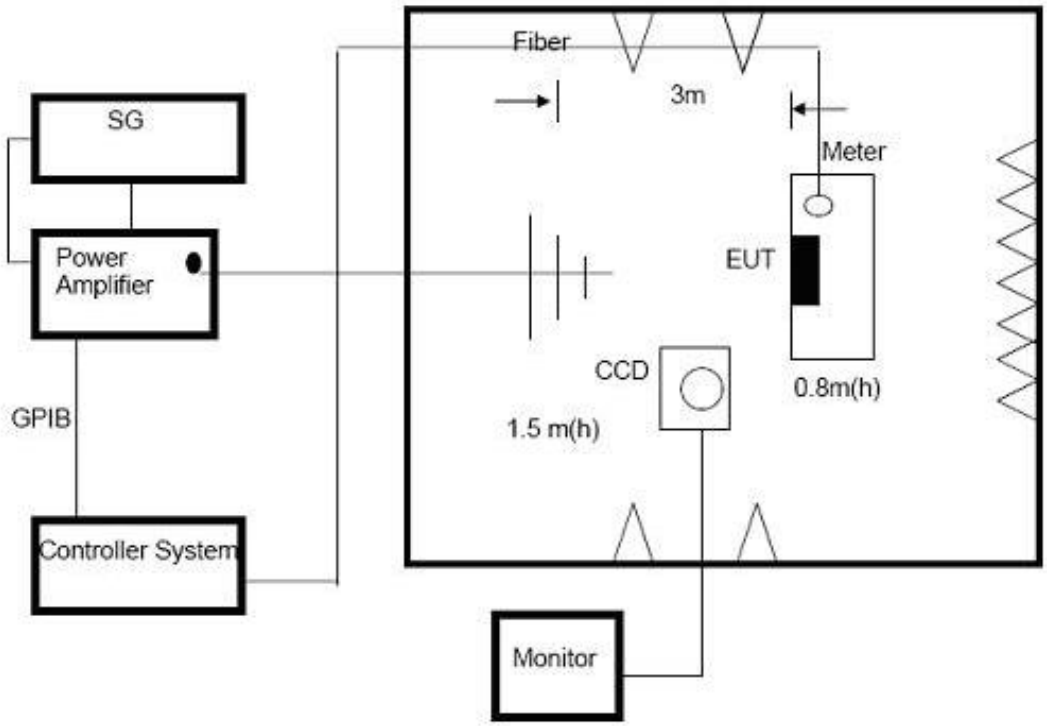
a. The frequency range is swept from 80 MHz to 1000 MHz & 1400 MHz to 6000 MHz with the signal 80% amplitude modulated with a 1kHz sine wave. The rate of sweep did not exceed 1.5x 10-3 decade/s. Where the frequency range is swept incrementally, the step size was 1% of fundamental.

b. Sweep Frequency 900 MHz, with the Duty Cycle: 1/8 and Modulation: Pulse 217 Hz (if applicable)

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 test was performed with the EUT exposed to both vertically and horizontally polarized fields on each of the four sides.

4.5.3 TEST SETUP



Note:

TABLE-TOP EQUIPMENT

The EUT installed in a representative system as described in section 7 of IEC/EN 61000-4-3 was placed on a non-conductive table 0.8 meters in height. The system under test was connected to the power and signal wire according to relevant installation instructions.

FLOOR-STANDING EQUIPMENT

The EUT installed in a representative system as described in section 7 of IEC/EN 61000-4-3 was placed on a non-conductive wood support 0.1 meters in height. The system under test was connected to the power and signal wire according to relevant installation instructions.

4.5.4 TEST RESULTS

EUT:	EcoFlow STREAM AC Pro	Model Name:	EF-EA-AC-P2K-1200
Temperature:	23.9℃	Relative Humidity:	53%RH
Pressure:	1010hPa	Test Date:	2025-02-26
Test Mode:	Battery charge & AC On Grid + Load / Battery discharge & AC On Grid + Load		
Test Power:	AC 230V/50Hz		

Frequency Range (MHz)	R.F. Field Strength	RF Field Position	Azimuth	Criterion	Result
80 - 1000	10 V/m (r.m.s) AM Modulated 1000Hz, 80%	H / V	Front	**A**	**Complies**
			Rear		
1400 - 6000	3 V/m (r.m.s) AM Modulated 1000Hz, 80%		Left		
			Right		

Note:

(1) Criteria A: There was no change operated with initial operating during the test.

(2) Criteria B: The EUT function loss during the test, but self-recoverable after the test.

(3) Criteria C: The system shut down during the test.

4.6 EFT/BURST TESTING

4.6.1 TEST SPECIFICATION

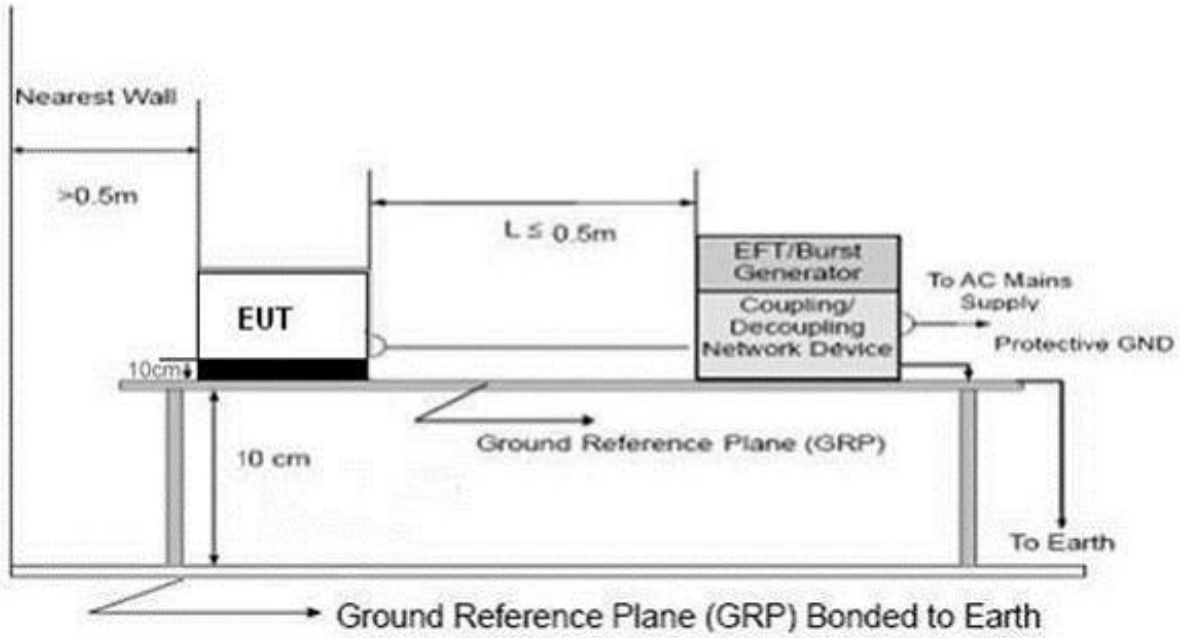
Basic Standard:	IEC/EN 61000-4-4
Required Performance:	B
Test Voltage:	Power Line: 1 kV, 2 kV Signal/Control Line: 1 kV
Polarity:	Positive & Negative
Impulse Frequency:	5 kHz & 100kHz
Impulse Wave shape:	5/50 ns
Burst Duration:	15 ms
Burst Period:	300 ms
Test Duration:	2 minutes

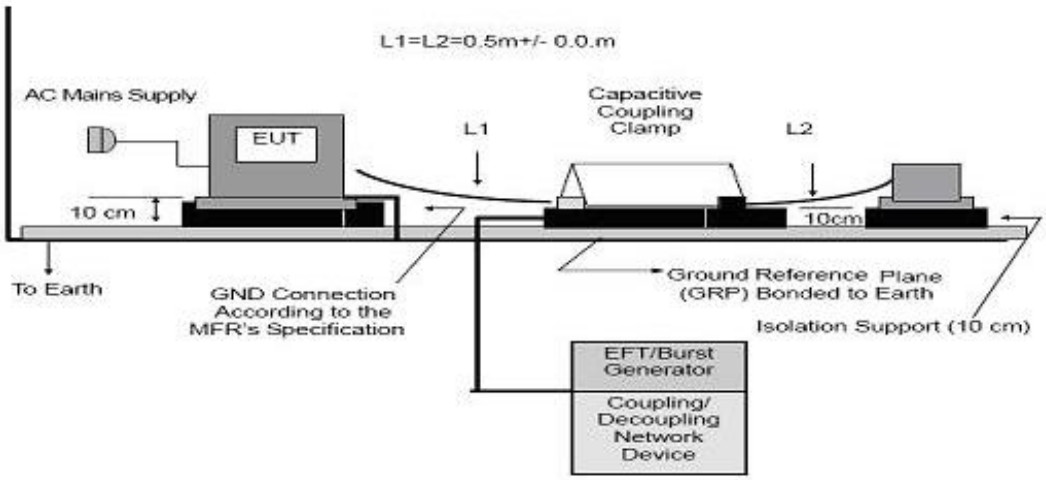
4.6.2 TEST PROCEDURE

The EUT and its simulators were placed on a ground reference plane and were insulated from it by a wood support 0.1m ± 0.01m thick. The ground reference plane was 1m*1m metallic sheet with 0.65mm minimum thickness. The other condition as following manner:

a. The length of power cord between the coupling device and the EUT should not exceed 0.5 meter.
b. Both positive and negative polarity discharges were applied.
c. The duration time of each test sequential was 2 minutes.

4.6.3 TEST SETUP





Note:

TABLE-TOP EQUIPMENT

The configuration consisted of a wooden table (0.8m high) standing on the Ground Reference Plane. The GRP consisted of a sheet of aluminum (at least 0.25mm thick and 2.5m square) connected to the protective grounding system. A minimum distance of 0.5m was provided between the EUT and the walls of the laboratory or any other metallic structure.

FLOOR-STANDING EQUIPMENT

The EUT installed in a representative system as described in section 7 of IEC/EN 61000-4-4 and its cables, were isolated from the Ground Reference Plane by an insulating support that is 0.1-meter thick. The GRP consisted of a sheet of aluminum (at least 0.25mm thick and 2.5m square) connected to the protective grounding system.

4.6.4 TEST RESULTS

EUT:	EcoFlow STREAM AC Pro	Model Name:	EF-EA-AC-P2K-1200
Temperature:	25.5℃	Relative Humidity:	55%RH
Pressure:	1010hPa	Test Date:	2025-02-26
Test Mode:	Battery charge & AC On Grid + Load / Battery discharge & AC On Grid + Load		
Test Power:	AC 230V/50Hz		

Coupling Line		Test Level (kV)								Criterion	Result
		0.5		1		2		4			
		+	-	+	-	+	-	+	-		
AC Line	L	P	P	P	P	P	P			**B**	**Complies**
	N	P	P	P	P	P	P				
	PE	P	P	P	P	P	P				
	L+N	P	P	P	P	P	P				
	L+PE	P	P	P	P	P	P				
	N+PE	P	P	P	P	P	P				
	L+N+PE	P	P	P	P	P	P				
DC Line										**/**	**N/A**
Signal Line										**/**	**N/A**

Note:

(1) N/A - denotes test is not applicable in this Test Report.

(2) +/- denotes the Positive/Negative polarity of the output voltage.

(3) In the table: 'P' represents 'PASS'; 'F' represents 'FAIL'.

(4) Criteria A: There was no change operated with initial operating during the test.

(5) Criteria B: The EUT function loss during the test, but self-recoverable after the test.

(6) Criteria C: The system shut down during the test.

4.7 SURGE TESTING

4.7.1 TEST SPECIFICATION

Basic Standard:	IEC/EN 61000-4-5
Required Performance:	B
Wave-Shape:	Combination Wave 1.2/50 μs Open Circuit Voltage 8 /20 μs Short Circuit Current
Test Voltage:	Power Line: 0.5 kV, 1 kV, 2 kV
Surge Input / Output:	L-N, L-PE, N-PE
Generator Source:	2 ohm between networks
Impedance:	12 ohm between network and ground
Polarity:	Positive/Negative
Phase Angle:	0°/90°/180°/270°
Pulse Repetition Rate:	1 time / min. (maximum)
Number of Tests:	5 positive and 5 negative at selected points

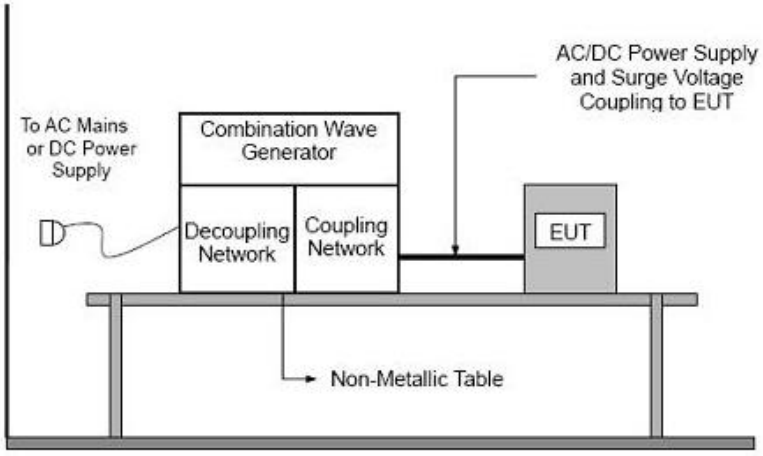
4.7.2 TEST PROCEDURE

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 2meters in length (or shorter).

b. For test applied to unshielded asymmetrically 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).

4.7.3 TEST SETUP



4.7.4 TEST RESULTS

EUT:	EcoFlow STREAM AC Pro	Model Name:	EF-EA-AC-P2K-1200
Temperature:	25.5℃	Relative Humidity:	55%RH
Pressure:	1010hPa	Test Date:	2025-02-26
Test Mode:	Battery charge & AC On Grid + Load / Battery discharge & AC On Grid + Load		
Test Power:	AC 230V/50Hz		

Coupling Line			Test Level (kV)								Criterion	Result
			0.5		1		2		4			
			+	-	+	-	+	-	+	-		
AC Line	L-N	0°	P	P	P	P					**B**	**Complies**
		90°	P	P	P	P						
		180°	P	P	P	P						
		270°	P	P	P	P						
	L-PE	0°	P	P	P	P	P	P				
		90°	P	P	P	P	P	P				
		180°	P	P	P	P	P	P				
		270°	P	P	P	P	P	P				
	N-PE	0°	P	P	P	P	P	P				
		90°	P	P	P	P	P	P				
		180°	P	P	P	P	P	P				
		270°	P	P	P	P	P	P				
DC Line											**/**	**N/A**
Signal Line											**/**	**N/A**

Note:

(1) N/A - denotes test is not applicable in this Test Report.

(2) +/- denotes the Positive/Negative polarity of the output voltage.

(3) Polarity and Numbers of Impulses:5 Pst / Ngt at each tested mode

(4) In the table: 'P' represents 'PASS'; 'F' represents 'FAIL'.

(5) Criteria A: There was no change operated with initial operating during the test.

(6) Criteria B: The EUT function loss during the test, but self-recoverable after the test.

(7) Criteria C: The system shut down during the test.

4.8 CONTINUOUS RADIO FREQUENCY DISTURBANCES TESTING

4.8.1 TEST SPECIFICATION

Basic Standard:	IEC/EN 61000-4-6
Required Performance:	A
Frequency Range:	0.15 - 80 MHz
Field Strength:	10 Vr.m.s.
Modulation:	1kHz Sine Wave, 80%, AM Modulation
Frequency Step:	1 % of fundamental
Dwell Time:	3 seconds

4.8.2 TEST PROCEDURE

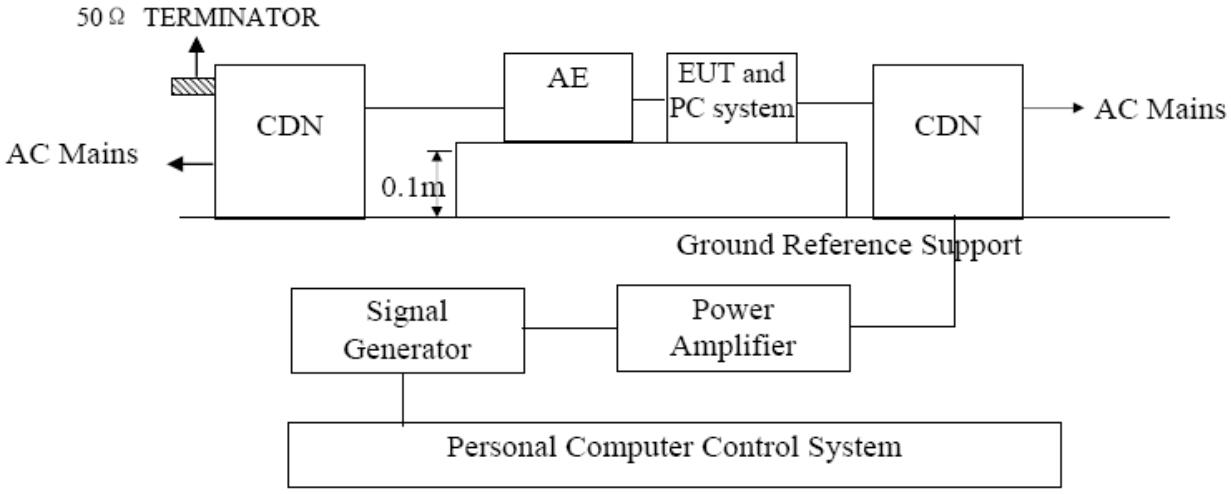
The EUT are placed on an insulating support 0.1m high above a ground reference plane. CDN (coupling and decoupling device) is placed on the ground plane about 0.3m from EUT. Cables between CDN and EUT are as short as possible, and their height above the ground reference plane shall be between 30 and 50mm (where possible). The disturbance signal described below is injected to EUT through CDN.

The other condition as following manner:

a. The frequency range is swept from 150 kHz to 80 MHz, with the signal 80% amplitude modulated with a 1kHz sine wave. The rate of sweep did not exceed 1.5x 10-3 decade/s. Where the frequency range is swept incrementally, the step size was 1% of fundamental.

b. The dwell time at each frequency shall be not less than the time necessary for the EUT to be able to respond.

4.8.3 TEST SETUP



Note:

FLOOR-STANDING EQUIPMENT

The equipment to be tested is placed on an insulating support of 0.1 meters height above a ground reference plane. All relevant cables shall be provided with the appropriate coupling and decoupling devices at a distance between 0.1 meters and 0.3 meters from the projected geometry of the EUT on the ground reference plane.

4.8.4 TEST RESULTS

EUT:	EcoFlow STREAM AC Pro	Model Name:	EF-EA-AC-P2K-1200
Temperature:	25.5℃	Relative Humidity:	55%RH
Pressure:	1010hPa	Test Date:	2025-02-26
Test Mode:	Battery charge & AC On Grid + Load / Battery discharge & AC On Grid + Load		
Test Power:	AC 230V/50Hz		

Test Ports (Mode)	Freq. Range (MHz)	Field Strength	Criterion	Result
Input AC. Power Port	0.15 --- 80	10V(r.m.s) AM Modulated 1kHz, 80%	**A**	**Complies**
Input DC. Power Port			**A**	**N/A**
Signal Line			**A**	**N/A**

Note:

(1) N/A - denotes test is not applicable in this Test Report.

(2) Criteria A: There was no change operated with initial operating during the test.

(3) Criteria B: The EUT function loss during the test, but self-recoverable after the test.

(4) Criteria C: The system shut down during the test.

4.9 POWER FREQUENCY MAGNETIC FIELD TESTING

4.9.1 TEST SPECIFICATION

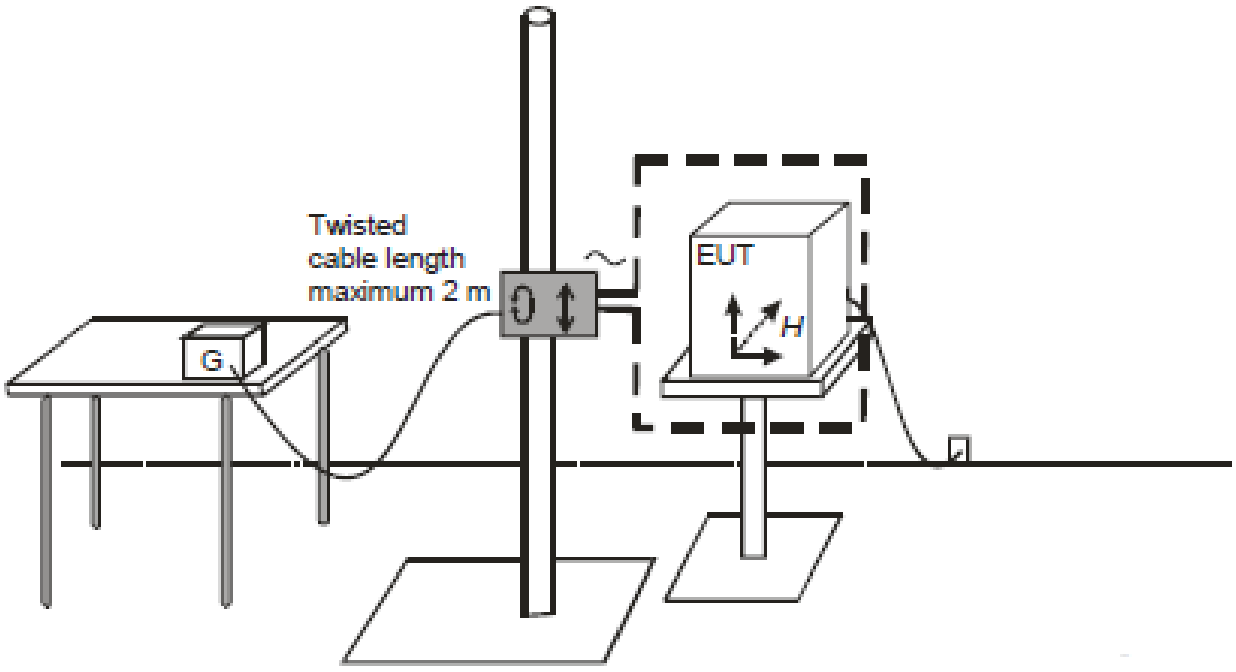
Basic Standard:	IEC/EN 61000-4-8
Required Performance:	A
Frequency Range:	50Hz
Field Strength:	30 A/m
Observation Time:	5 minutes
Inductance Coil:	Rectangular type, 1mx1m

4.9.2 TEST PROCEDURE

The EUT and support equipment, are placed on a table that is 0.8 meter above a metal ground plane measured 1m*1m min. and 0.65mm thick min.
The other condition as following manner:

a. The equipment cabinets shall be connected to the safety earth directly on the GRP via the earth terminal of the EUT.
b. The cables supplied or recommended by the equipment manufacturer shall be used. 1 meter of all cables used shall be exposed to the magnetic field.

4.9.3 TEST SETUP



Note:
TABLE-TOP EQUIPMENT
The equipment shall be subjected to the test magnetic field by using the induction coil of standard dimension (1 m x 1 m). The induction coil shall then be rotated by 90 degrees in order to expose the EUT to the test field with different orientations.
FLOOR-STANDING EQUIPMENT
The equipment shall be subjected to the test magnetic field by using induction coils of suitable dimensions. The test shall be repeated by moving and shifting the induction coils, in order to test the whole volume of the EUT for each orthogonal direction. The test shall be repeated with the coil shifted to different positions along the side of the EUT, in steps corresponding to 50 % of the shortest side of the coil. The induction coil shall then be rotated by 90 degrees in order to expose the EUT to the test field with different orientations.

4.9.4 TEST RESULTS

EUT:	EcoFlow STREAM AC Pro	Model Name:	EF-EA-AC-P2K-1200
Temperature:	25.5℃	Relative Humidity:	55%RH
Pressure:	1010hPa	Test Date:	2025-02-26
Test Mode:	Battery charge & AC On Grid + Load / Battery discharge & AC On Grid + Load		
Test Power:	AC 230V/50Hz		

Test Mode	Test Level	Antenna aspect	Duration(s)	Criterion	Result
Enclosure	30 A/m	X	300 s	**A**	**Complies**
Enclosure	30 A/m	Y	300 s	**A**	**Complies**
Enclosure	30 A/m	Z	300 s	**A**	**Complies**

Note:

(1) Criteria A: There was no change operated with initial operating during the test.

(2) Criteria B: The EUT function loss during the test, but self-recoverable after the test.

(3) Criteria C: The system shut down during the test.

4.10 VOLTAGE INTERRUPTION/DIPS TESTING

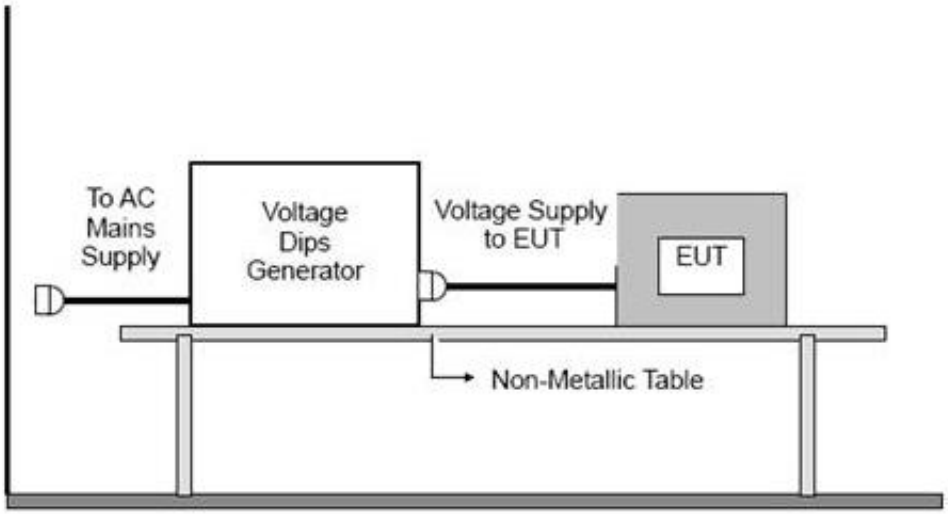
4.10.1 TEST SPECIFICATION

Basic Standard:	IEC/EN 61000-4-11
Required Performance:	B (For 100% Voltage Interruption) C (For 60% Voltage Dips / For 30% Voltage Dips) C (For 100% Voltage Interruption)
Test Duration Time:	Minimum three test events in sequence
Interval between Event:	Minimum ten seconds
Phase Angle:	0°/45°/90°/135°/180°/225°/270°/315°/360°
Test Cycle:	3 times

4.10.2 TEST PROCEDURE

The EUT shall be tested for each selected combination of test levels and duration with a sequence of three 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.

4.10.3 TEST SETUP



4.10.4 TEST RESULTS

EUT:	EcoFlow STREAM AC Pro	Model Name:	EF-EA-AC-P2K-1200
Temperature:	25.5℃	Relative Humidity:	55%RH
Pressure:	1010hPa	Test Date:	2025-02-26
Test Mode:	Battery charge & AC On Grid + Load / Battery discharge & AC On Grid + Load		
Test Power:	AC 230V/50Hz		

Interruption & Dips	Duration(T)	Criterion	Result
Voltage Interruption 100%	0.5	**B**	**Complies**
Voltage Interruption 100%	1	**B**	**Complies**
Voltage dip 60%	10	**C**	**Complies**
Voltage dip 30%	25	**C**	**Complies**
Voltage Interruption 100%	250	**C**	**Complies**

Note:

(1) Criteria A: There was no change operated with initial operating during the test.

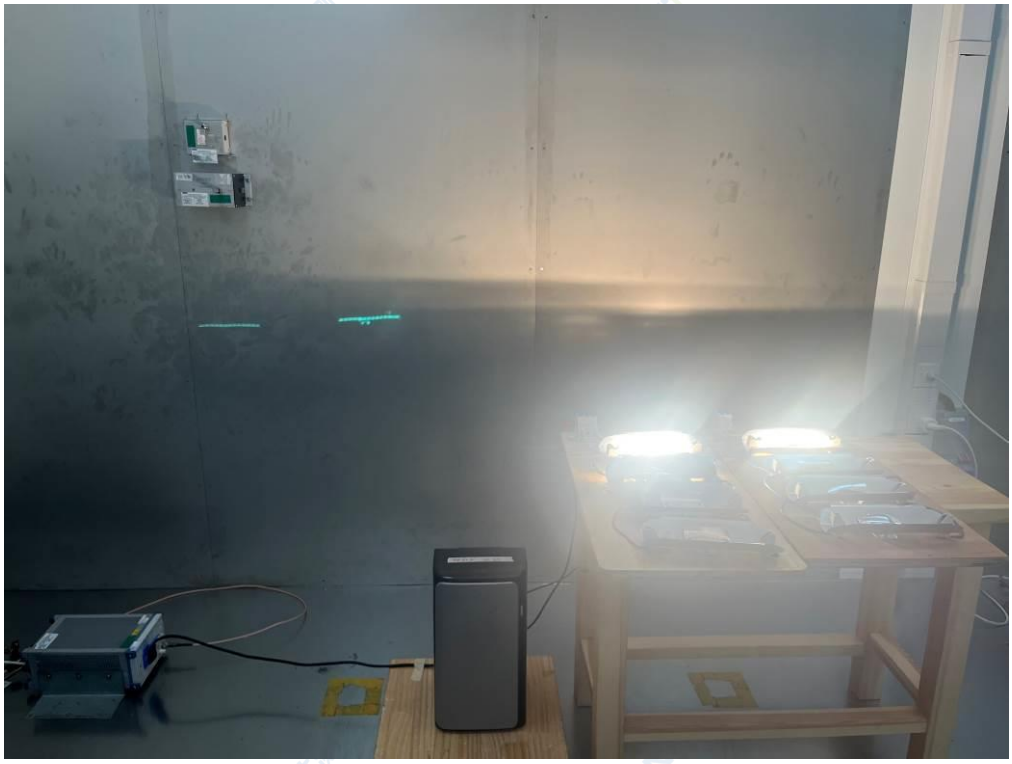
(2) Criteria B: The EUT function loss during the test, but self-recoverable after the test.

(3) Criteria C: The system shut down during the test.

5. EUT TEST PHOTO

Radiated Measurement Photo

Conducted Measurement Photo



ATTACHMENT PHOTOGRAPHS OF EUT

Photo 1

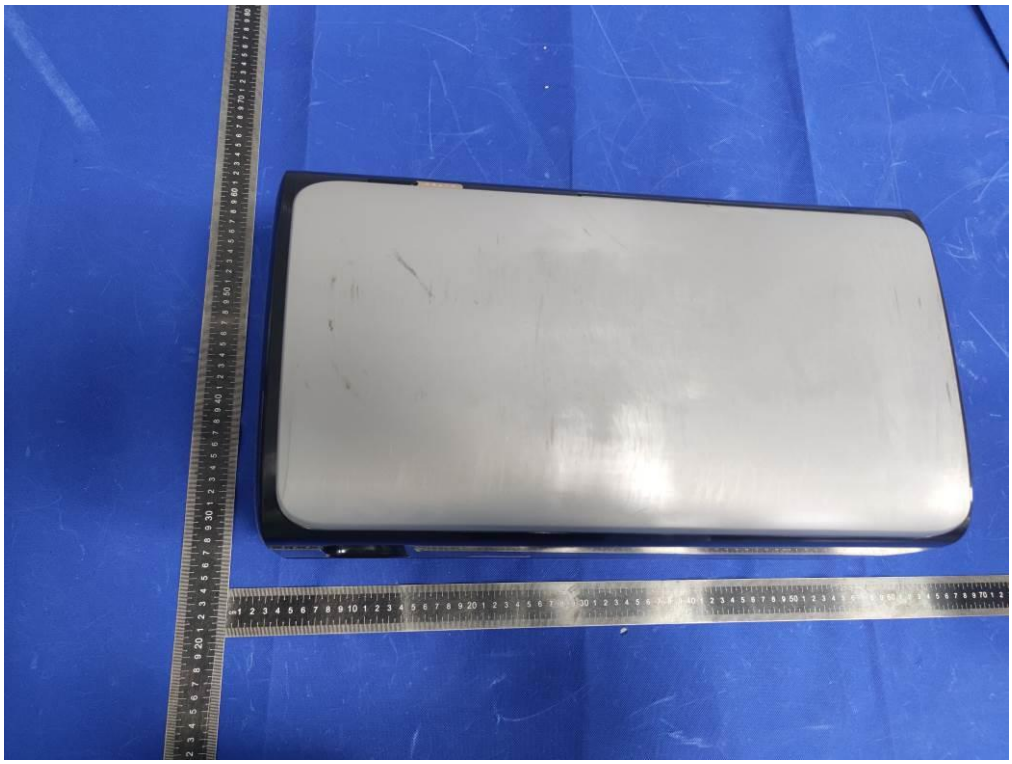
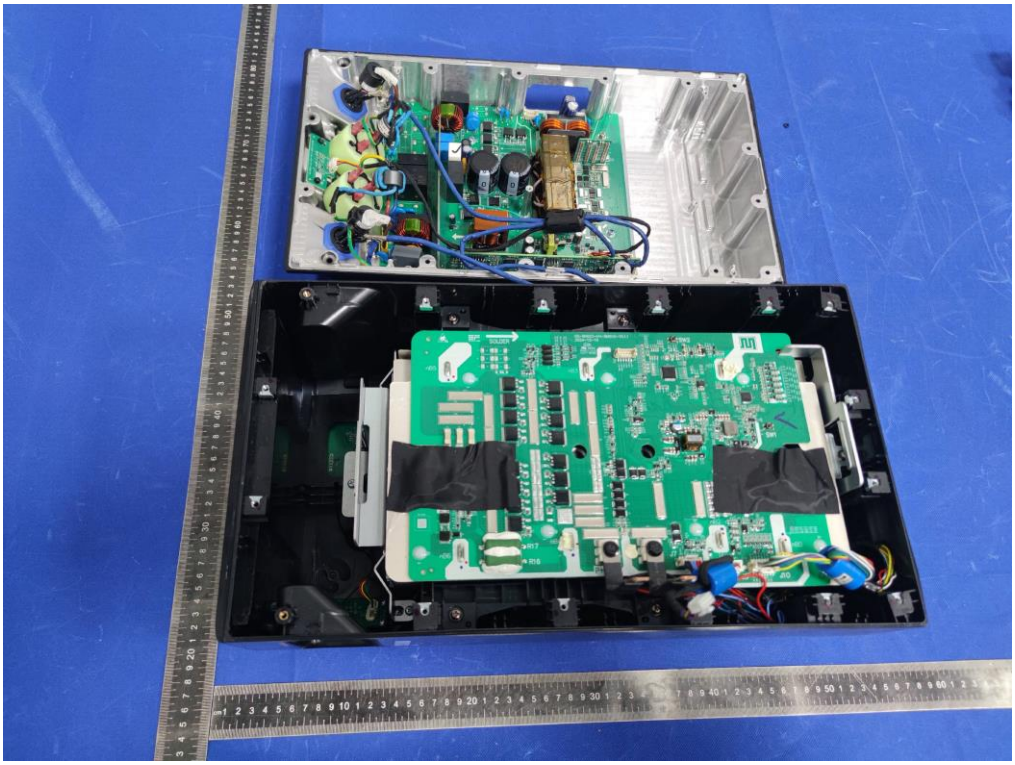


Photo 2

Photo 3

Photo 4



------ End of Report ------