

## **FCC RF EXPOSURE REPORT**

*For*

**EcoFlow DELTA 3 Plus, EcoFlow DELTA 3**

**MODEL NUMBER: EF-DL-H10-4, EF-DL-H10-3**

**REPORT NUMBER: 4791391318-1-RF-1**

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*Prepared for*

**EcoFlow Inc.**

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## Revision History

| Rev. | Issue Date      | Revisions     | Revised By |
|------|-----------------|---------------|------------|
| V0   | August 22, 2024 | Initial Issue |            |

## TABLE OF CONTENTS

|                                       |   |
|---------------------------------------|---|
| 1. ATTESTATION OF TEST RESULTS .....  | 4 |
| 2. TEST METHODOLOGY .....             | 5 |
| 3. FACILITIES AND ACCREDITATION ..... | 5 |
| 4. REQUIREMENT .....                  | 6 |

## 1. ATTESTATION OF TEST RESULTS

### Applicant Information

Company Name: EcoFlow Inc.  
Address: RM 401, Plant #I, Runheng Industrial Zone, Fuyuan Road,  
Zhancheng Community, Fuhai Street, Bao' an District, Shenzhen  
City, Guangdong Province, P. R. China

### Applicant Information

Company Name: EcoFlow Inc.  
Address: RM 401, Plant #I, Runheng Industrial Zone, Fuyuan Road,  
Zhancheng Community, Fuhai Street, Bao' an District, Shenzhen  
City, Guangdong Province, P. R. China

### EUT Information

EUT Name: EcoFlow DELTA 3 PLUS  
Model: EF-DL-H10-4  
Series EUT Name: EcoFlow DELTA 3  
Series Model: EF-DL-H10-3  
Model Differences : Refer to declaration  
Sample Received Date: July 26, 2024  
Sample ID: 7435231  
Sample Status: Normal  
Date of Tested: August 2, 2024 to August 16, 2024

| APPLICABLE STANDARDS                                |              |
|-----------------------------------------------------|--------------|
| STANDARD                                            | TEST RESULTS |
| 447498 D04 Interim General RF Exposure Guidance v01 | PASS         |

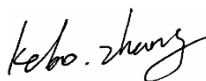
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## 2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 47 CFR FCC Part 1 Subpart I, section 1.1307 and KDB 447498 D04 Interim General RF Exposure Guidance v01.

## 3. FACILITIES AND ACCREDITATION

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accreditation Certificate | <p>A2LA (Certificate No.: 4102.01)<br/>UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p>FCC (FCC Designation No.: CN1187)<br/>UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules</p> <p>ISED (Company No.: 21320)<br/>UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046.</p> <p>VCCI (Registration No.: G-20192, C-20153, T-20155 and R-20202)<br/>UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793.</p> <p>Facility Name:<br/>Chamber D, the VCCI registration No. is G-20192 and R-20202<br/>Shielding Room B, the VCCI registration No. is C-20153 and T-20155</p> |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Note 1: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China

Note 2: The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3: For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30MHz had been correlated to measurements performed on an OFS.

## 4. REQUIREMENT

### LIMIT AND CALCULATION METHOD

According to 447498 D04 Interim General RF Exposure Guidance v01,

#### 2.1.4 MPE-Based Exemption

An alternative to the SAR-based exemption is provided in § 1.1307(b)(3)(i)(C), for a much wider frequency range, from 300 kHz to 100 GHz, applicable for separation distances greater or equal to  $\lambda/2\pi$ , where  $\lambda$  is the free-space operating wavelength in meters. The MPE-based test exemption condition is in terms of ERP, defined as the product of the maximum antenna gain and the delivered maximum time-averaged power.<sup>10</sup> For this case, a RF source is an RF exempt device if its ERP (watts) is no more than a frequency-dependent value, as detailed tabular form in Appendix B. These limits have been derived based on the basic specifications on Maximum Permissible Exposure (MPE) considered for the FCC rules in § 1.1310(e)(1).

### MPE-based Exemption

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

and  $f$  is in GHz,  $d$  is the separation distance (cm), and  $ERP_{20\text{cm}}$  is per Formula (B.1).

**CALCULATED RESULTS****For Single RF Source**

| Operating Mode | Max. Tune<br>up Power | Max.<br>Antenna<br>Gain | EIRP  | ERP   | ERP     | Distance | Limit<br>Threshold |
|----------------|-----------------------|-------------------------|-------|-------|---------|----------|--------------------|
|                | (dBm)                 | (dBi)                   | (dBm) | (dBm) | (mW)    | (cm)     | (mW)               |
| BLE            | 15                    | 5.76                    | 20.76 | 18.61 | 72.611  | 20       | 3060               |
| WIFI2.4G       | 18                    | 5.76                    | 23.76 | 21.61 | 144.877 | 20       | 3060               |

Note:

1. The calculated distance is 20 cm.
2. The power comes from operation description.
3. The EUT does not support simultaneous operation.
4. All antennas data have been considered, the calculated value is the worst case.

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**END OF REPORT**