

Test Report No:  
23B0591R-RFUSV17S-A

## RF EXPOSURE EVALUATION DECLARATION

|                                 |                                                                                                               |
|---------------------------------|---------------------------------------------------------------------------------------------------------------|
| Product Name                    | WIFI Module                                                                                                   |
| Brand Name                      | ZEROVA                                                                                                        |
| Model No.                       | DLWPH11M                                                                                                      |
| FCC ID                          | 2BKAFDLWPH11M                                                                                                 |
| Applicant's Name / Address      | ZeroVa Technologies Taiwan Limited<br>No. 99, Zhengnan 1st St., Yongkang Dist., Tainan City 710006,<br>Taiwan |
| Manufacturer's Name             | ZeroVa Technologies Taiwan Limited                                                                            |
| Test Method Requested, Standard | FCC CFR Title 47 Part 2.1091 Radiofrequency radiation<br>exposure evaluation: mobile devices.                 |
| Verdict Summary                 | IN COMPLIANCE                                                                                                 |
| Documented By Jinn Chen         |                           |
| Tested by Alan Chen             |                           |
| Approved by Tim Sung            |                           |
| Date of Receipt                 | 2023/11/17                                                                                                    |
| Date of Issue                   | 2025/04/15                                                                                                    |
| Report Version                  | V1.0                                                                                                          |

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## Competences and Guarantees

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In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

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The results presented in this Test Report apply only to the particular item under test established in this document.

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## General Conditions

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1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Revision History

| Version | Description             | Issued Date |
|---------|-------------------------|-------------|
| V1.0    | Initial issue of report | 2025/04/15  |
|         |                         |             |
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## 1. General Information

### 1.1. EUT Description

|              |             |
|--------------|-------------|
| Product Name | WIFI Module |
| Brand Name   | ZEROVA      |
| Model No.    | DLWPH11M    |

Note: For more detailed information please refer to report No.: 23B0591R-RFUSV01S-A.

### 1.2. Testing Location Information

|        |                                                       |
|--------|-------------------------------------------------------|
| USA    | FCC Designation Number: TW0033                        |
| Canada | CAB Identifier Number: TW3023 / Company Number: 26930 |

|                  |                         |
|------------------|-------------------------|
| Site Description | Accredited by TAF       |
|                  | Accredited Number: 3023 |

|                    |                                                                              |
|--------------------|------------------------------------------------------------------------------|
| Test Laboratory    | DEKRA Testing and Certification Co., Ltd.                                    |
|                    | Linkou Laboratory                                                            |
| Address            | No. 5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan, R.O.C. |
| Performed Location | No. 26, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan, R.O.C.    |
| Phone Number       | +886-3-275-7255                                                              |
| Fax Number         | +886-3-327-8031                                                              |

## 2. RF Exposure Evaluation

### 2.1. Test Limit

(A) Test Limit for Occupational / Controlled Exposure

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/ cm <sup>2</sup> ) | Averaging Time  E  <sup>2</sup> , H  <sup>2</sup> or S (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|------------------------------------------|------------------------------------------------------------------|
| 0.3-3.0               | 614                               | 1.63                              | *(100)                                   | <6                                                               |
| 3.0-30                | 1842/f                            | 4.89/f                            | *(900/f <sup>2</sup> )                   | <6                                                               |
| 30-300                | 61.4                              | 0.163                             | 1.0                                      | <6                                                               |
| 300-1500              | -                                 | -                                 | f/300                                    | <6                                                               |
| 1500-100,000          | -                                 | -                                 | 5                                        | <6                                                               |

(B) Test Limit for General Population / Uncontrolled Exposure

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/ cm <sup>2</sup> ) | Averaging Time  E  <sup>2</sup> , H  <sup>2</sup> or S (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|------------------------------------------|------------------------------------------------------------------|
| 0.3-1.34              | 614                               | 1.63                              | *(100)                                   | <30                                                              |
| 1.34-30               | 824/f                             | 2.19/f                            | *(180/f <sup>2</sup> )                   | <30                                                              |
| 30-300                | 27.5                              | 0.073                             | 0.2                                      | <30                                                              |
| 300-1500              | -                                 | -                                 | f/1500                                   | <30                                                              |
| 1500-100,000          | -                                 | -                                 | 1.0                                      | <30                                                              |

Note: f = frequency in MHz; \*Plane-wave equivalent power density

Power Density (S) is calculated by the following formula:

$$S = (P \cdot G) / 4\pi R^2$$

where:

S = power density (in appropriate units, e.g. mW/ cm<sup>2</sup>)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

$\pi$  = 3.1416

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

## 2.2. Test Result of RF Exposure Evaluation

| Band         | conducted<br>output power<br>(dBm) | Antenna Gain<br>(dBi) | E.I.R.P<br>(dBm) | E.I.R.P<br>(mW) | Power<br>Density at<br>R = 20 cm<br>(mW/cm <sup>2</sup> ) | Limit<br>(mW/cm <sup>2</sup> ) |
|--------------|------------------------------------|-----------------------|------------------|-----------------|-----------------------------------------------------------|--------------------------------|
| 2.4 GHz WLAN | 20.75                              | 6.44                  | 27.190           | 523.600         | 0.104                                                     | 1                              |

Note: The conducted output power is refer to report No.: 23B0591R-RFUSV01S-A from the DEKRA.