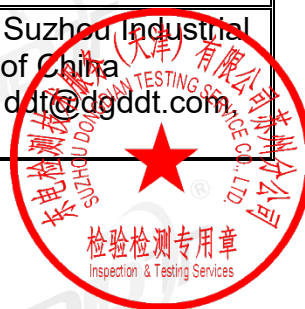


## RF EXPOSURE REPORT

|                      |   |                                                                                                                                                                                                         |
|----------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applicant            | : | Hannto Technology Co., Ltd.                                                                                                                                                                             |
| Address              | : | Room 704, Building 1, No.88, Shengrong Road, Pudong, Shanghai, China.                                                                                                                                   |
| Equipment under Test | : | Photo Printer                                                                                                                                                                                           |
| Model No.            | : | DHP515, DHP514                                                                                                                                                                                          |
| Trade Mark           | : | Liene / Liene / Optional                                                                                                                                                                                |
| FCC ID               | : | 2AZHDDHP515                                                                                                                                                                                             |
| Manufacturer         | : | Hannto Technology Co., Ltd.                                                                                                                                                                             |
| Address              | : | Room 704, Building 1, No.88, Shengrong Road, Pudong, Shanghai, China.                                                                                                                                   |
| Report No.           | : | DDT-B24120205-3E02                                                                                                                                                                                      |
| Issue Date           | : | Dec. 30, 2024                                                                                                                                                                                           |
| Issued By            | : | Suzhou Dongdian Testing Service Co., Ltd.                                                                                                                                                               |
| Address              | : | Phase II, No.16 Runsheng Road, Suzhou Industrial Park, Suzhou, People's Republic of China<br>Tel: +86-0512-62531270, E-mail: ddt@dgddt.com, <a href="http://www.ddttest.com">http://www.ddttest.com</a> |



# REPORT

## TABLE OF CONTENTS

|      |                               |   |
|------|-------------------------------|---|
|      | Test report declares.....     | 3 |
| 1.   | General information.....      | 5 |
| 1.1. | Description of Equipment..... | 5 |
| 1.2. | Assess laboratory.....        | 6 |
| 2.   | RF Exposure Evaluation .....  | 7 |
| 2.1. | Requirement.....              | 7 |
| 2.2. | Calculation method .....      | 7 |
| 2.3. | Estimation result.....        | 8 |

**TEST REPORT DECLARE**

|                             |   |                                                                          |
|-----------------------------|---|--------------------------------------------------------------------------|
| <b>Applicant</b>            | : | Hannto Technology Co., Ltd.                                              |
| <b>Address</b>              | : | Room 704, Building 1, No.88, Shengrong Road, Pudong,<br>Shanghai, China. |
| <b>Equipment under Test</b> | : | Photo Printer                                                            |
| <b>Model No.</b>            | : | DHP515, DHP514                                                           |
| <b>Trade mark</b>           | : | <b>Liene</b> / Liene / Optional                                          |
| <b>Manufacturer</b>         | : | Hannto Technology Co., Ltd.                                              |
| <b>Address</b>              | : | Room 704, Building 1, No.88, Shengrong Road, Pudong,<br>Shanghai, China. |

**Standard Used:** KDB447498 D01 General RF Exposure Guidance v06

**We Declare:**

The equipment described above is assessed by Suzhou Dongdian Testing Service Co., Ltd. and in the configuration assessed the equipment complied with the standards specified above. The assessed results are contained in this report and Suzhou Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these assess.

**After evaluation, our opinion is that the equipment In Accordance with above standard.**

|                         |                    |                      |                              |
|-------------------------|--------------------|----------------------|------------------------------|
| <b>Report No:</b>       | DDT-B24111211-2E05 |                      |                              |
| <b>Date of Receipt:</b> | Dec. 06, 2024      | <b>Date of Test:</b> | Dec. 06, 2024~ Dec. 18, 2024 |

Prepared By:

Bacon Dong

Bacon Dong/Engineer

Reviewed By:

leon wu

Leon Wu/Director

Authorized By:

Chris Zhong

Chris Zhong/EMC  
Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Suzhou Dongdian Testing Service Co., Ltd..

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Revision History

| Rev. | Revisions     | Issue Date    | Revised By |
|------|---------------|---------------|------------|
| ---  | Initial issue | Dec. 30, 2024 |            |
|      |               |               |            |

## 1. General information

### 1.1. Description of Equipment

|                            |                                                           |
|----------------------------|-----------------------------------------------------------|
| EUT* Name                  | : Photo Printer                                           |
| Model Number               | : DHP515, DHP514                                          |
| Test Model                 | : DHP514                                                  |
| EUT function description   | : Please reference user manual of this device             |
| Power supply               | : Input:100-240V~ 50/60Hz 1.0A                            |
| Radio Technology           | : BT, BLE                                                 |
| Operation frequency        | : 2402MHz-2480MHz                                         |
| Modulation                 | : GFSK, Pi/4 DQPSK, 8DPSK                                 |
| Transmitter rate           | : 1 Mbps, 2 Mbps, 3 Mbps                                  |
| Antenna Type               | : PCB antenna, maximum PK gain: -2.55dBi                  |
| Exposure category          | : General population/uncontrolled environment             |
| Device Type                | : Mobile Device                                           |
| Target power and tolerance | : BLE: $1 \pm 1.5\text{dBm}$ , EDR: $1 \pm 1.5\text{dBm}$ |

## 1.2. Assess laboratory

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lab Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Company Name: Suzhou Dongdian Testing Service Co., Ltd.<br>Address: Phase II, No.16 Runsheng Road, Suzhou Industrial Park, Suzhou, People's Republic of China<br>Tel: +86-0512-62531270, E-mail: ddt@dgdtdt.com, <a href="http://www.ddttest.com">http://www.ddttest.com</a>                                                                                                                                                                                                                                                                                                                                                      |
| Accreditation Certificate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A2LA (Certificate No.: 7346.01)<br>Suzhou Dongdian Testing Service Co., Ltd. has been assessed and proved to be in compliance with A2LA.<br>FCC (FCC Designation No.: CN1397)<br>Suzhou Dongdian Testing Service Co., Ltd. has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules.<br>IC (IC Designation No.: 32952; CAB No.:CN0182)<br>Suzhou Dongdian Testing Service Co., Ltd. has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules. |
| Note 1: All tests measurement facilities use to collect the measurement data are located at Phase II, No.16 Runsheng Road, Suzhou Industrial Park, Suzhou, People's Republic of China<br>Note 2: For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. These measurements below 30MHz had been correlated to measurements performed on an OFS.<br>Note 3: The test anechoic chamber in Suzhou Dongdian Testing Service Co., Ltd 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. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## 2. RF Exposure Evaluation

### 2.1. Requirement

Systems operating under the provisions of FCC 47 CFR section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with.

Limits for General Population/Uncontrolled Exposure

(B) Limits 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)*                                | 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

### 2.2. Calculation method

$$E(\text{V/m}) = \frac{\sqrt{30 \times P \times G}}{d} \quad \text{Power Density: } S(\text{mW/cm}^2) = \frac{E^2}{377}$$

**E** = Electric field (V/m)

**P** = Peak RF output power (mW)

**G** = EUT Antenna numeric gain (numeric)=

**d** = Separation distance between radiator and human body (m)

The formula can be changed to

We can change the formula to:

$$S = \frac{30 \times P \times G}{377 \times d^2} \quad \text{or, } d = \sqrt{\frac{30 \times P \times G}{377 \times S}}$$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2 m, as well as the gain of the used antenna, the RF power density can be obtained.

### 2.3. Estimation result

| Worst Mode | Max. Tune Up power (dBm) | Output power (mW) | Antenna Gain (dBi) | Antenna Gain (linear) | MPE Values (mW/cm <sup>2</sup> ) | MPE Limit (mW/cm <sup>2</sup> ) |
|------------|--------------------------|-------------------|--------------------|-----------------------|----------------------------------|---------------------------------|
| BT         | 2.5                      | 1.778             | -2.55              | 0.556                 | 0.0001967                        | 1                               |
| BLE        | 2.5                      | 1.778             | -2.55              | 0.556                 | 0.0001967                        | 1                               |

Result: Pass

Note: The estimation distance is 20 cm

Conclusion: The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure of mobile device.

**END OF REPORT**