



FCC RF EXPOSURE REPORT CERTIFICATION TEST REPORT

For

IP CAMERA

MODEL NUMBER: DH-IPC-WF22, DH-IPC-WF42, DH-IPC-WF22C

FCC ID: SVNDH-IPC-WFX2

REPORT NUMBER: 4790047575-2

ISSUE DATE: August 26, 2021

Prepared for

Zhejiang Dahua Vision Technology Co., Ltd No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China

Prepared by

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch

Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of China

> Tel: +86 769 22038881 Fax: +86 769 33244054 Website: www.ul.com



REPORT NO.: 4790047575-2

Page 2 of 7

Revision History

| Rev. | Issue Date | Revisions | Revised By |
|------|------------|---------------|------------|
| V0 | 08/26/2021 | Initial Issue | |

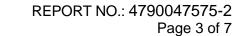




TABLE OF CONTENTS

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



REPORT NO.: 4790047575-2 Page 4 of 7

1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Zhejiang Dahua Vision Technology Co., Ltd

Address: No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China

Manufacturer Information

Company Name: Zhejiang Dahua Vision Technology Co., Ltd

Address: No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China

EUT Information

EUT Name: IP CAMERA DH-IPC-WF22 Model Name:

Series Model: DH-IPC-WF42, DH-IPC-WF22C Model difference: Only the model name is different.

Sample Received Date: July 29, 2021

Sample Status: Normal Sample ID: 4168477

Date of Tested: August 2, 2021 ~ August 25, 2021

| APPLICABLE STANDARDS | | | |
|----------------------|--------------|--|--|
| STANDARD | TEST RESULTS | | |
| FCC 47CFR§2.1091 | PASS | | |

Shemy les

Laboratory Leader

Prepared By: Checked By:

Kebo Zhang Shawn Wen

Project Engineer Approved By:

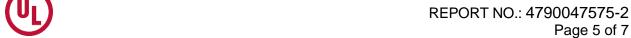
kelo. zhang.

Stephen Guo

Laboratory Manager

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091.



3. FACILITIES AND ACCREDITATION

| | A2LA (Certificate No.: 4102.01) |
|---------------|---|
| | UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. |
| | has been assessed and proved to be in compliance with A2LA. |
| | FCC (FCC Designation No.: CN1187) |
| | 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 |
| | ISED (Company No.: 21320) |
| Accreditation | UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. |
| Certificate | has been registered and fully described in a report filed with |
| | Industry Canada. The Company Number is 21320. |
| | VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011) |
| | 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. |
| | Facility Name: |
| | Chamber D, the VCCI registration No. is G-20019 and R-20004 |
| | Shielding Room B, the VCCI registration No. is C-20012 and T-20011 |

Note: 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.



REPORT NO.: 4790047575-2

Page 6 of 7

4. REQUIREMENT

LIMIT AND CALCULATION METHOD

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 0.2m 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

RF EXPOSURE LIMIT

| Frequency Range (MHz) | E-field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/cm²) | Averaging Time E ², H ² or S (Minutes) |
|-----------------------------|----------------------------------|---|----------------------------------|--|
| 0.3 1.34 | 614 | 1.63 | (100)* | 30 |
| 1.34 30 | 824/f | 2.19/f | (180/f ²)* | 30 |
| 30 300 | 27.5 | 0.073 | 0.2 | 30 |
| 300 1500 | | | f/1500 | 30 |
| 1500 100,000 | | | 1.0 | 30 |

CALCULATION METHOD

 $S=PG/4\pi R^2$

Where:

S=power density

P=power input to antenna

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

R=distance to the center of radiation of the antenna



REPORT NO.: 4790047575-2

Page 7 of 7

CALCULATED RESULTS

| WIFI 2.4G (Worst case) | | | | | |
|------------------------|--------------------|---|------------------------|-------|--|
| Operating Mode | Max. Tune up Power | Max. Directional Antenna Gain Power density | | Limit | |
| Mode | (dBm) | (dBi) | (mW/ cm ²) | | |
| WIFI 2.4G | 17 | 4.44 | 0.0277 | 1 | |

Note:

- 1. The Power comes from report operation description.
- 2. The minimum separation distance of the device is greater than 20 cm.
- 3. Calculate by WORST-CASE mode.
- 4. Owing to the maximum Calculated Result is below the limit, so it deemed to comply with the basic restrictions without testing which means that no SAR is required.

END OF REPORT