



FCC RF EXPOSURE REPORT

For

CONSUMER CAMERA

MODEL NUMBER:

DH-IPC-G26P, IPC-G26P, DH-IPC-G26N, IPC-G26N, TF2, DH-IPC-G26, IPC-G26

PROJECT NUMBER: 4788109955

REPORT NUMBER: 4788109955-6

FCC ID: SVNDH-IPC-GX6

ISSUE DATE: Dec. 10, 2017

Prepared for

Zhejiang Dahua Vision Technology Co., Ltd.

Prepared by

Prepared by

**UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch
Room 101, Building 10, Innovation Technology Park,
Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China**

Tel: +86 769 33817100

Fax: +86 769 33244054

Website: www.ul.com

Revision History

| Rev. | Issue Date | Revisions | Revised By |
|------|------------|---------------|------------|
| -- | 12/10/2017 | Initial Issue | |

TABLE OF CONTENTS

| | |
|---------------------------------------|---|
| 1. ATTESTATION OF TEST RESULTS | 4 |
| 2. TEST METHODOLOGY | 6 |
| 3. FACILITIES AND ACCREDITATION | 6 |
| 4. REQUIREMENT | 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. |
| Factory Information | |
| Company Name: | ZHEJIANG DAHUA VISION TECHNOLOGY CO.,LTD |
| Address: | No.1199, Bin'an road, Binjiang District, Hangzhou, P.R.China. |
| Company Name: | ZHEJIANG DAHUA ZHILIAN CO.,LTD. |
| Address: | No.28, Dongqiao Road, Dongzhou Street, Fuyang District, Hangzhou, P.R.China. |
| EUT Description | |
| Product Name | CONSUMER CAMERA |
| Model Name | DH-IPC-G26P |
| Additional No. | IPC-G26P, DH-IPC-G26N, IPC-G26N, TF2, DH-IPC-G26, IPC-G26 |
| Sample Number | 1155429-001 |
| Data of Receipt Sample | Aug 11, 2017 |
| Date Tested | Aug 15, 2017 ~ Dec. 8, 2017 |

| APPLICABLE STANDARDS | |
|---|---------------------|
| STANDARD | TEST RESULTS |
| FCC Guidelines for Human Exposure IEEE C95.1 | Complies |

Test By:

Denny Huang
Engineer Project Associate

Check By:

Shawn Wen
Laboratory Leader

Approved By:

Stephen Guo
Laboratory Manager

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 447498 D01 General RF Exposure Guidance v05.

3. FACILITIES AND ACCREDITATION

| | |
|---------------------------|--|
| Test Location | UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. |
| Address | Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China |
| Accreditation Certificate | UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing. The Certificate Registration Number is 4102.01. UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The Designation Number is CN1187. UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. EMC Laboratory has been registered and fully described in a report filed with Industry Canada. The Company Number is 21320. |

Note: 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.

4. REQUIREMENT

LIMIT

Limits for General Population/Uncontrolled Exposure

| 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 ²) | 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/150 | 30 |
| 1500-100,000 | -- | -- | 1.0 | 30 |

Note 1: f = frequency in MHz, * means Plane-wave equivalent power density

Note 2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

Note 3: The limit value 1.0mW/cm² is available for this EUT.

MPE CALCULATION METHOD

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

where: S = power density (in appropriate units, e.g. mW/ cm²)

P = power input to the antenna (in appropriate units, e.g., mW) (the measured power value see Report: F12124 Section 6.6)

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 (appropriate units, e.g., cm)

Radio Frequency Radiation Exposure Evaluation

1) For SISO

| WIFI (Worst case)-Antenna 1 | | | | | | | |
|-----------------------------|-------------------------|-------|--------------|-----------|---------------|----------|-------------|
| Frequency | Output Power to Antenna | | Antenna Gain | | Power Density | Limit | Test Result |
| (MHz) | (dBm) | (mW) | (dBi) | (Numeric) | (mW/cm2) | (mW/cm2) | -- |
| 2412 | 16.5 | 44.67 | 1 | 1.26 | 0.01 | 1 | Complies |

| WIFI (Worst case)- Antenna 2 | | | | | | | |
|------------------------------|-------------------------|-------|--------------|-----------|---------------|----------|-------------|
| Frequency | Output Power to Antenna | | Antenna Gain | | Power Density | Limit | Test Result |
| (MHz) | (dBm) | (mW) | (dBi) | (Numeric) | (mW/cm2) | (mW/cm2) | -- |
| 2412 | 12.5 | 17.78 | 1 | 1.26 | 0.004 | 1 | Complies |

2) For MIMO

| WIFI (Worst case)- 802.11n20 MIMO | | | | | | | |
|-----------------------------------|-------------------------|-------|--------------|-----------|---------------|----------|-------------|
| Frequency | Output Power to Antenna | | Antenna Gain | | Power Density | Limit | Test Result |
| (MHz) | (dBm) | (mW) | (dBi) | (Numeric) | (mW/cm2) | (mW/cm2) | -- |
| 2412 | 17.5 | 56.23 | 1 | 1.26 | 0.014 | 1 | Complies |

Note: the calculated distance is 20cm.

END OF REPORT