

#### FCC RF EXPOSURE REPORT

For

### **CONSUMER CAMERA**

**MODEL NUMBER: IPC-A42P-D** 

ADDITIONAL MODEL NUMBER: IPC-A42P-D-imou, IPC-A42N-D

**PROJECT NUMBER: 4789973747** 

REPORT NUMBER: 4789973747-84

FCC ID: 2AVYF-IPC- A4X-D

**ISSUE DATE: Jun. 16, 2021** 

Prepared for

Hangzhou Huacheng Network Technology Co., Ltd.

Prepared by

UL-CCIC COMPANY LIMITED
No. 2, Chengwan Road, Suzhou Industrial Park, People's Republic of China

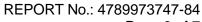
Tel: +86 512-6808 6400 Fax: +86 512-6808 4099 Website: www.ul.com



Page 2 of 7

# **Revision History**

Rev.	Issue Date	Revisions	Revised By	
V0	06/16/2021	Initial Issue		





Page 3 of 7

# **TABLE OF CONTENTS**

1.	ATTESTATION OF TEST RESULTS	. 4
2.	TEST METHODOLOGY	. 5
3.	FACILITIES AND ACCREDITATION	. 5
4	REQUIREMENT	e



Page 4 of 7

### 1. ATTESTATION OF TEST RESULTS

**Applicant Information** 

Company Name: Hangzhou Huacheng Network Technology Co., Ltd.

Address: No.2930, Nanhuan Road, Binjiang District, Hangzhou, China

**Manufacturer Information** 

Company Name: Hangzhou Huacheng Network Technology Co., Ltd.

Address: No.2930, Nanhuan Road, Binjiang District, Hangzhou, China

**EUT Description** 

Product Name CONSUMER CAMERA

Model Name IPC-A42P-D

Additional No. IPC-A42P-D-imou, IPC-A42N-D-imou, IPC-A42N-D

Sample Number 3967060 Data of Receipt Sample Jun. 05, 2021

Test Date Jun. 06, 2021 ~ Jun. 15, 2021

APPLICABLE STANDARDS

STANDARD TEST RESULTS

FCC Guidelines for Human Exposure IEEE Complies

C95.1

Prepared By:	Reviewed By:
- Talon Wana	Tom Tom

Jason Yang Tom Tang
Engineer Project Engineer

Authorized By:

Chris Zhong Laboratory Leader

Chris Zhong



Page 5 of 7

## 2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with KDB 447498 D01 General RF Exposure Guidance v06 and FCC Guidelines for Human Exposure IEEE C95.1.

## 3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4829.01)  UL-CCIC COMPANY LIMITED has been assessed and proved to be in compliance with A2LA.  FCC (FCC Designation No.: CN1247)  UL-CCIC COMPANY LIMITED has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules.  IC (IC Designation No.: 25056)  UL-CCIC COMPANY LIMITED 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 No. 2, Chengwan Road, Suzhou Industrial Park, Suzhou 215122, People's Republic of China

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.

Note 3: The test anechoic chamber in UL-CCIC COMPANY LIMITED 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.

Page 6 of 7

# 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 <sup>2</sup> )	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/f2)*	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/cm<sup>2</sup> 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)

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)



Page 7 of 7

## **CALCULATED RESULTS**

Radio Frequency Radiation Exposure Evaluation

WIFI (Worst case)								
Mode	)	Output Power to Antenna		Antenna Gain		Power Density	Limit	Test Result
11b		(dBm)	(mW)	(dBi)	(Numeric)	(mW/cm2)	(mW/cm2)	
		15.5	35.48	2.84	1.92	0.0136	1	Complies

Note: the calculated distance is 20cm.

# **END OF REPORT**