

#### FCC RF EXPOSURE REPORT

For

YI Dash Cam-Nightscape

**MODEL NUMBER: YCS.2A19** 

FCC ID: 2AFIB-YCS2A19 IC: 20436-YCS2A19

REPORT NUMBER: 4788872614-2

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Prepared for

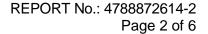
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## 1. ATTESTATION OF TEST RESULTS

**Applicant Information** 

Company Name: Shanghai Xiaoyi Technology Co., Ltd.

Address: 6F, Building E, No. 2889, Jinke Road Shanghai, China

**Manufacturer Information** 

Company Name: Shanghai Xiaoyi Technology Co., Ltd.

Address: 6F, Building E, No. 2889, Jinke Road Shanghai, China

**EUT Description** 

**EUT Name:** YI Dash Cam-Nightscape

Model: **YCS.2A19 Sample Status:** Normal

Sample Received Date: February 26, 2019

Date of Tested: February 26~ May 30, 2019

APPLICABLE STANDARDS

**STANDARD TEST RESULTS** 

FCC 47CFR§2.1091 KDB-447498 D01 V06 Complies

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#### **TEST METHODOLOGY**

The tests documented in this report were performed in accordance with KDB 447498 D01 General RF Exposure Guidance v06.

## 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

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 OATS.

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.



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## 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/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/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)



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## **CALCULATED RESULTS**

Radio Frequency Radiation Exposure Evaluation

WIFI2.4G (Worst case)									
Operating	Tune up tolerance	Max. Tune up Power	Antenna Gain		Power density	Limit			
Mode	(dBm)	(dBm)	(dBi)	(num)	(mW/ cm <sup>2</sup> )				
802.11b	16.5±1	17.5	2.68	1.85	0.021	1			

#### Note:

1. the calculated distance is 20cm.

# **END OF REPORT**