FCC IC RF EXPOSURE REPORT

For

Kami Wire-Free Outdoor Camera

MODEL NUMBER: YWS.1029

FCC ID: 2AFIB-YWS1029
IC: 20436-YWS1029

PROJECT NUMBER: 4789135124

REPORT NUMBER: 4789135124-2

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Prepared for

Shanghai Xiaoyi Technology Co., Ltd.

Prepared by

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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:	Kami Wire-Free Outdoor Camera
Model:	YWS.1029
Sample Status:	Normal
Sample Received Date:	August 9, 2019
Date of Tested:	August 19~ September 30, 2019

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
FCC 47CFR§2.1091 KDB-447498 D01 V06	Complies

Tested By:

Tom Tang

Tom Tang
Engineer Project Associate

Reviewed By:

Chris Zhong

Chris Zhong
Senior Project Engineer

Authorized By:

Scholl Zhang

Scholl Zhang
Laboratory Leader

2. 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.** **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.

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/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: The limit value 1.0mW/cm^2 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)

CALCULATED RESULTS

Radio Frequency Radiation Exposure Evaluation

WIFI (Worst case)							
Mode	Output Power to Antenna		Antenna Gain		Power Density	Limit	Test Result
802.11n HT20	(dBm)	(mW)	(dBi)	(Numeric)	(mW/cm2)	(mW/cm2)	--
	23.0	199.53	2.35	1.718	0.068	1	Complies

Note:
The calculated distance is 20cm.

END OF REPORT