

FCC TEST REPORT

Report No.....: AB26070554FW02

FCC ID.....: **2BXEH-IP-M02**

Applicant.....: Shenzhen Xingshan Intelligent Security Co., Ltd.
Workshop 216, Building 1, Baolu Industrial Zone, Songbai Road,
Shangxiawu Resident Group, Shangwu Community, Changpai
Address.....: Community, Shiyao Sub-district, Bao'an District, Shenzhen,
Guangdong, China

Manufacturer.....: Shenzhen Xingshan Intelligent Security Co., Ltd.
Workshop 216, Building 1, Baolu Industrial Zone, Songbai Road,
Shangxiawu Resident Group, Shangwu Community, Changpai
Address.....: Community, Shiyao Sub-district, Bao'an District, Shenzhen,
Guangdong, China

Product Name.....: AOV camera

Trade Mark.....: /

Test Model.....: IP-M02

Additional Model(s).....: See section 1.1

Standard.....: FCC Part 2 (Section 2.1091)
KDB 447498 D01
IEEE C95.1

Date of Receipt.....: 2026.07.29

Date of Issue.....: 2026.08.10

Test Result.....: Pass

Compiled by:
(Printed Name + Signature)

Huajie Li

Huajie Li

Supervised by:
(Printed Name + Signature)

David Huang

David Huang

Approved by:
(Printed Name + Signature)

Jay Liu

Jay Liu

Testing Laboratory Name.....: Aibo Standard Technology (Shenzhen) Co., Ltd.

Address.....: 101, Building B, Tuori New Energy Industrial Park, High-tech Park,
Tianliao Community, Yutang Street, Guangming District, Shenzhen
City, Guangdong Province, China

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FCC TEST REPORT

EUT.....	: AOV camera
Test Model.....	: IP-M02
Applicant.....	: Shenzhen Xingshan Intelligent Security Co., Ltd.
Address.....	: Workshop 216, Building 1, Baolu Industrial Zone, Songbai Road, Shangxiawu Resident Group, Shangwu Community, Changpai Community, Shiyan Sub-district, Bao'an District,Shenzhen, Guangdong,China
Manufacturer.....	: Shenzhen Xingshan Intelligent Security Co., Ltd.
Address.....	: Workshop 216, Building 1, Baolu Industrial Zone, Songbai Road, Shangxiawu Resident Group, Shangwu Community, Changpai Community, Shiyan Sub-district, Bao'an District,Shenzhen, Guangdong,China

Test Result	Positive
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The test report merely corresponds to the test sample.

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REPORT VERSION

Version No.	Issue Date	Description
01	2026.08.10	Initial Issue

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1. GENERAL INFORMATION

1.1. GENERAL DESCRIPTION OF EUT

Product Name:	AOV camera	
Trade Mark:	/	
Test Model:	IP-M02	
Additional Model(s):	IP-N01, IP-N02, IP-N03, IP-N04, IP-N05	
Model Difference:	All models are the same circuit and RF module, except the model name.	
Hardware Version:	/	
Software Version:	/	
Power Supply:	DC 5V/1A	
EUT Supports Function: (Provided by the customer)	E-UTRA Bands:	LTE Band 2/4/5/12/13/17/38/40/41/66
Test Sample(s) Number:	ABA16260706-S001 (Engineer Sample)	
Radio Specification Subject to this Report		
Support Networks:	Band 2/4/5/12/13/17/38/40/41/66	
Frequency Range:	Band 2	1850MHz–1910MHz
	Band 4	1710MHz–1755MHz
	Band 5	824MHz–849MHz
	Band 12	699MHz–716MHz
	Band 13	777MHz–787MHz
	Band 17	704MHz–716MHz
	Band 38	2570MHz–2620MHz
	Band 40-1	2305MHz–2315MHz
	Band 40-2	2350MHz–2360MHz
	Band 41	2496MHz–2690MHz
	Band 66	1710MHz–1780MHz
Modulation Type:	QPSK, 16QAM	
Channel Bandwidth:	Band 2	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	Band 4	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
	Band 5	1.4MHz, 3MHz, 5MHz, 10MHz
	Band 12	1.4MHz, 3MHz, 5MHz, 10MHz
	Band 13	5MHz, 10MHz
	Band 17	5MHz, 10MHz
	Band 38	5MHz, 10MHz, 15MHz, 20MHz
	Band 40-1	5 MHz, 10MHz
	Band 40-2	5 MHz, 10MHz
	Band 41	5MHz, 10MHz, 15MHz, 20MHz
	Band 66	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz
Antenna Type:	Internal Antenna 2dBi for band 2; 2dBi for band 4; 1.62dBi for band 5; 1.62dBi for band 12;	

	1.62dBi for band 13; 1.62dBi for band 17; 1.71dBi for band 38; 1.76dBi for band 40; 1.71dBi for band 41; 2dBi for band 66;
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1.2. DESCRIPTION OF TEST FACILITY

Test Lab: Aibo Standard Technology (Shenzhen) Co., Ltd.

Address: 101, Building B, Tuori New Energy Industrial Park, High-tech Park, Tianliao Community, Yutang Street, Guangming District, Shenzhen City, Guangdong Province, China

Tel.: +86 755 85250797

E-mail: aibo@aibonorm.com

Website: www.aibonorm.com

The test facility is recognized, certified, or accredited by the following organizations:

A2LA-Lab Certificate No.: 7514.01

Aibo Standard Technology (Shenzhen) Co., Ltd. has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC Accredited Lab.

Designation Number: CN1411

Test Firm Registration Number: 567066

ISED Wireless Device Testing Laboratories

Company Number: 33924

CAB identifier: CN0185

2. RF EXPOSURE EVALUATION

2.1 Limit

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
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

f = frequency in MHz

Friis transmission formula: $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where

P_d = power density in mW/cm², P_{out} = output power to antenna in mW;

G = gain of antenna in linear scale, $\pi = 3.1416$;

R = distance between observation point and center of the radiator in cm

P_d is the limit of MPE, 1 mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

2.2 Evaluation Result

Mode	Total Power (dBm)	Antenna Gain	Max.EIRP (dBm)	Max.EIRP (mW)	Power Density at R=20cm (mW/cm ²)	Limit (mW/cm ²)	Result
LTE Band 2	23	2	25	316.228	0.062912	1.0	PASS
LTE Band 4	23	2	25	316.228	0.062912	1.0	PASS
LTE Band 5	23	1.62	22.47	176.604	0.035134	0.549	PASS
LTE Band 12	23	1.62	22.47	176.604	0.035134	0.466	PASS
LTE Band 13	23	1.62	22.470	176.604	0.035134	0.518	PASS
LTE Band 17	23	1.62	22.47	176.604	0.035134	0.469	PASS
LTE Band 38	22	1.71	23.710	234.963	0.046744	1.0	PASS
LTE Band 40	10	1.76	11.76	14.997	0.002984	1.0	PASS
LTE Band 41	22	1.71	23.71	234.963	0.046744	1.0	PASS
LTE Band 66	23	2	25	316.228	0.062912	1.0	PASS

So a SAR test is not required

*****THE END*****