FCC TEST REPORT

FCC ID: 2A5AK-CBL03W

Product	:	WIFI Camera
Model Name	:	CBL03W
Brand	:	Aoluvy
Report No.	:	PTC22021800401E-FC02

Prepared for

Shenzhen Xiaowei Intelligent Technology Co., Ltd

203, building a, Yintian wenle Industrial Zone, Gongle community, Xixiang street, Bao'an District, Shenzhen

Prepared by

Precise Testing & Certification Co., Ltd.

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.

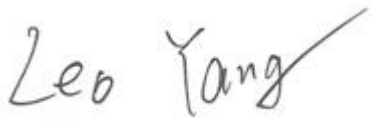
TEST RESULT CERTIFICATION

Applicant's name	:	Shenzhen Xiaowei Intelligent Technology Co., Ltd
Address	:	203, building a, Yintian wenle Industrial Zone, Gongle community, Xixiang street, Bao'an District, Shenzhen
Manufacture's name	:	Shenzhen Xiaowei Intelligent Technology Co., Ltd
Address	:	203, building a, Yintian wenle Industrial Zone, Gongle community, Xixiang street, Bao'an District, Shenzhen
Product name	:	WIFI Camera
Model name	:	CBL03W
Test procedure	:	FCC CFR47 Part 15 Section 15.247
Test Date	:	ANSI C63.10:2013
Date of Issue	:	Feb. 08, 2022 to Feb. 27, 2022
Test Result	:	Feb. 28, 2022

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

This report shall not be reproduced except in full, without the written approval of PTC, this document may be altered or revised by PTC, personal only, and shall be noted in the revision of the document.

Test Engineer:



Leo Yang / Engineer

Technical Manager:

Chris Du / Manager

Contents

2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS
Remark:		
N/A: Not Applicable		

3 General Information

3.1 General Description of E.U.T.

Product Name	:	WIFI Camera
Model Name	:	CBL03W
Specification	:	802.11b/g/n HT20
Operation Frequency	:	2412-2462MHz for 802.11b/g/ n(HT20)
Number of Channel	:	11 channels for 802.11b/g/ n(HT20)
Type of Modulation	:	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n;
Antenna installation	:	FPC antenna
Antenna Gain	:	3 dBi
Power supply	:	DC3.7V 9600mAH building in Lion battery or DC 5V via Solar battery or adapter input 100-240V 50/60Hz (Model:AS024-0502000U)
Hardware Version	:	T31ZL_GC2063_3861_V5.0
Software Version	:	N/A

4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : FCC Part 2.1091

4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	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

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density

4.3 MPE Calculation Method

E (V/m) = $\frac{\sqrt{30 \times P \times G}}{d}$ Power Density: Pd (W/m²) = $\frac{E^2}{377}$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

Pd = $\frac{30 \times P \times G}{377 \times d^2}$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

4.4 Test Result

Item	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Peak Output Power (mw)	Power Density (mW/cm2)	Limit of Power Density (mW/cm2)	Result
2412	2	14.62	29	0.0115	1	Pass

******THE END REPORT******