



FCC TEST REPORT

FCC ID: 2BXZF-WD2A

Product	:	Window Camera
Model Name	:	WD1A
Additional models	:	WD2A
Brand	:	N/A
Report No.	:	PTC26071325701E-FC03
Prepared for		
Topvision(ShenZhen) Technology Co.,LTD		
Room B302, Fubulun Industrial Park, No.78 Chaoyang Road, Yanchuan Community, Yanluo Street, Bao'an District, Shenzhen, Guangdong, China		
Prepared by		
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Report No.: PTC26071325701E-FC03

TEST RESULT CERTIFICATION

Applicant's name : Topvision(ShenZhen) Technology Co.,LTD

Address : Room B302, Fubilun Industrial Park, No.78 Chaoyang Road,
Yanchuan Community, Yanluo Street, Bao'an District, Shenzhen,
Guangdong, China

Manufacture's name : Topvision(ShenZhen) Technology Co.,LTD

Address : Room B302, Fubilun Industrial Park, No.78 Chaoyang Road,
Yanchuan Community, Yanluo Street, Bao'an District, Shenzhen,
Guangdong, China

Product : Window Camera

Model Name : WD1A

Additional Models : WD2A

Test procedure : FCC CFR47 Part 1.1307(b)(1)

Test Date : July 16, 2026 to August 12, 2026

Date of Issue : August 12, 2026

Test Result : PASS

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.

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Test Engineer:

A handwritten signature in black ink, appearing to read 'Jack Zhou'.

Jack Zhou / Engineer

Technical Manager:

A handwritten signature in black ink, appearing to read 'Simon Pu'.

Simon Pu / Manager



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Report No.: PTC26071325701E-FC03

2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	FCC CFR47 Part 1.1307(b)(1)	PASS
Remark:		
N/A: Not Applicable		



3 General Information

3.1 General Description of E.U.T.

Product Name	:	Window Camera
Model Name	:	WD1A
Additional models	:	WD2A
Models Difference	:	Different shapes and colors, WD1A is round, WD2A is square.
Specification	:	802.11b/g/n HT20/n HT 40/ax HE20/ax HE 40 802.11a/n HT20/HT40/ac20/ac40/ax20/ax40
Operation Frequency	:	2.4G Wi-Fi:2412-2462MHz 5G Wi-Fi:5180-5240 MHz 5.8G Wi-Fi:5745MHz~5825MHz
Number of Channel	:	11 Numbers for 802.11b/g/ n HT20 /ax HE20 7 Numbers for 802.11 n HT40/ax HE 40 4 channels for 802.11a/n20/ac20/ax HE20 5180-5240 MHz 5 channels for 802.11a/n20/ac20/ax HE20 5745MHz-5825MHz 2 channels for 802.11n40/ac40/ax HE 40 5190-5230 MHz 2 channels for 802.11n40/ac40/ax HE 40 5755MHz-5795MHz
Antenna installation	:	FPC antenna
Antenna Gain	:	Wi-Fi 2.4G: 3.54 dBi 5.2G: 4.81 dBi 5.8G: 4.58 dBi
Type of Modulation	:	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11a/g/n/ac/ax;
Power Supply	:	DC 5V 1A
Hardware Version	:	N/A
Software Version	:	N/A
Test sample No.	:	PTC26071325701E-1/2, PTC26071325701E-2/2



4 RF Exposure

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

Evaluation Method : KDB 447498 D01 General RF Exposure Guidance v06

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

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

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

$$P_d = \frac{30 \times P \times G}{377 \times d^2} \theta \phi$$

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

Mode	Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Tune up tolerance (dBm)	Max Tune Up Power (mW)	Power Density (mW/cm ²)	Limit of Power Density (mW/cm ²)	Result
2462(11N20)	3.54	2.26	15.91	15.91 ± 1	49.090787615	0.022065812	1	Pass
5230(11N40SISO)	4.81	3.03	16.57	16.57 ± 1	57.147863667	0.034412792	1	Pass
5745(11AC20SISO)	4.58	2.87	13.80	13.80 ± 1	30.199517204	0.017247252	1	Pass

Conclusion:

1. Calculate in the worst-case mode.
2. Max. Tune Up Power is declared by manufacturer, and used to calculate.

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