



FCC TEST REPORT

FCC ID: 2BXHP-W8

Product	:	dashcam
Model Name	:	W8
Additional Models	:	W1,W5,W9,W12,W29
Brand	:	N/A
Report No.	:	PTC26060318501E-FC02
Prepared for		
Shenzhen Zhongzhi Tai Electronics Co., Ltd.		
202, Hongfuda Door and Window Factory, No. 5 Guiyue Road, Guixiang Community, Guanlan Street, Longhua District, Shenzhen		
Prepared by		
Precise Testing & Certification Co., Ltd.		
Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.		



Report No.: PTC25121907804E-FC02

TEST RESULT CERTIFICATION

Applicant's name : Shenzhen Zhongzhi Tai Electronics Co., Ltd.
Address : 202, Hongfuda Door and Window Factory, No. 5 Guiyue Road,
Guixiang Community, Guanlan Street, Longhua District,
Shenzhen
Manufacture's name : Shenzhen Zhongzhi Tai Electronics Co., Ltd.
Address : 202, Hongfuda Door and Window Factory, No. 5 Guiyue Road,
Guixiang Community, Guanlan Street, Longhua District,
Shenzhen
Product : dashcam
Model Name : W8
Additional Models : W8,W1,W5,W9,W12,W29
Test procedure : FCC CFR47 Part 1.1307(b)(1)
Test Date : June 10, 2026 to June 25, 2026
Date of Issue : June 25, 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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2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	15.247 (i)	PASS
Remark:		
N/A: Not Applicable		



3 General Information

3.1 General Description of E.U.T.

Product	:	dashcam
Model Name	:	W8
Additional Models	:	W1,W5,W9,W12,W29
Models Difference	:	The internal circuit principles, routing diagrams, and bit number schematics are identical; only the shape, and dimensions differ.
Specification	:	802.11b/g/n HT20/HT40
Operating frequency	:	2412-2462MHz for 802.11b/g/ n(HT20) 2422-2452MHz for 802.11 n(HT40)
Numbers of Channel	:	2412-2462MHz for 802.11b/g/ n(HT20) 2422-2452MHz for 802.11 n(HT40)
Smart System	:	802.11 b/g/n20/n40
Antenna Type	:	PCB antenna
Antenna Gain	:	-0.58 dBi
Type of Modulation	:	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n;
Power Supply	:	DC5V 2A
Hardware Version	:	N/A
Software Version	:	N/A



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

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

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
2437(11G)	-0.58	0.87	11.64	11.64±1	18.365383433	0.003196833	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*****