

FCC TEST REPORT

FCC ID: 2BAWC-P12PROMAX

Product	:	Dash Cam
Model Name	:	P12 Pro Max,P10, P10 Pro, P12, P12 Pro, P12 Ultra, P10 Ultra, P12 Plus, P10 Plus, P10 Elite, P12 Elite, P12 Pro Max+, P10 Pro Max, P12 Pro Plus
Brand	:	Pelsee
Report No.	:	NCT24004285E-FC03
Prepared for		
Shenzhen Vycol-Glint Innovations Technology co., ltd		
NO.26 Gangsheng Road. Building A, Room 509 Bao' an District, Shenzhen, Guangdong		
Prepared by		
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TEST RESULT CERTIFICATION

Applicant's name : Shenzhen Vycol-Glint Innovations Technology co., ltd

Address : NO.26 Gangsheng Road. Building A, Room 509 Bao' an District,
Shenzhen, Guangdong

Manufacture's name : Shenzhen Vycol-Glint Innovations Technology co., ltd

Address : NO.26 Gangsheng Road. Building A, Room 509 Bao'an District,
Shenzhen, Guangdong

Product name : Dash Cam

Model name : P12 Pro Max, P10, P10 Pro, P12, P12 Pro, P12 Ultra, P10 Ultra,
P12 Plus, P10 Plus, P10 Elite, P12 Elite, P12 Pro Max+, P10 Pro
Max, P12 Pro Plus

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

Test Date : Sep. 11, 2023 to Oct. 25, 2023

Date of Issue : Jan. 25, 2024

Test Result : PASS

This device described above has been tested by NCT, 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:



Keven Wu / Engineer

Technical 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 Name	:	Dash Cam
Model Name	:	P12 Pro Max
Additional model	:	P10, P10 Pro, P12, P12 Pro, P12 Ultra, P10 Ultra P12 Plus, P10 Plus, P10 Elite, P12 Elite, P12 Pro Max+, P10 Pro Max, P12 Pro Plus
Specification	:	802.11b/g/n HT20/HT40 802.11a/n HT20/HT40
Operation Frequency	:	2412-2462MHz for 802.11b/g/ n(HT20/HT40) 5G Wifi:5150-5250 MHz 5.8G Wifi:5725MHz~5850MHz
Number of Channel	:	11 channels for 802.11b/g/ n(HT20) 7 channels for 802.11n(HT40) 4 channels for 802.11a/n20 5150-5250 MHz 5 channels for 802.11a/n20 5725MHz~5850MHz 2 channels for 802.11n40 5150-5250 MHz 2 channels for 802.11n40 5725MHz~5850MHz
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	:	2.4G Wi-Fi: 3.53dBi 5G Wi-Fi: 4.28dBi
Power supply	:	Adapter: Model: V3F-DF-ADC Input: 9-24V Output:DC5V,2.5A
Hardware Version	:	OR-D680-V02-02
Software Version	:	D680_V0.1.0_20230726

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

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

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

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

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 (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
2412(2.4GWiFi)	2.25	19.38	19.38 ± 1	109.144034	0.058174	1	Pass
5240(5GWiFi)	2.68	12.81	12.81 ± 1	24.043628	0.012815	1	Pass
5745(5GWiFi)	2.68	5.19	5.19 ± 1	4.159106	0.002217	1	Pass

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