



Report No.: PTC23040608701E-FC02

FCC TEST REPORT

FCC ID: 2BBAE-D10PLUS

| | | |
|--------------|---|----------------------|
| Product | : | Motorcycle Dash-cam |
| Model Name | : | D10Plus |
| Serial Model | : | D10A, D20B, D20Pro |
| Brand | : | DEEPMOTO |
| Report No. | : | PTC23040608701E-FC02 |

Prepared for

Shenzhen Shendu Software Co., Ltd.

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Prepared by

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TEST RESULT CERTIFICATION

Applicant's name : Shenzhen Shendu Software Co., Ltd.
Address : 308, Building A, Wenle Industrial Zone, Longzhu Community, Xixiang Street, Bao an District, Shenzhen
Manufacturer's name : Shenzhen Shendu Software Co., Ltd.
Address : 308, Building A, Wenle Industrial Zone, Longzhu Community, Xixiang Street, Bao an District, Shenzhen
Product name : Motorcycle Dash-cam
Model name : D10Plus
Serial Model : D10A, D20B, D20Pro
Test procedure : FCC CFR47 Part 1.1307(b)(1)
Test Date : May. 05, 2023 to May. 18, 2023
Date of Issue : May. 29, 2023
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 'Simon Pu'.

Simon Pu / Engineer

Technical Manager:

A handwritten signature in black ink, appearing to read 'Ronnie Liu'.

Ronnie Liu / 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 | : | Motorcycle Dash-cam |
| Model Name | : | D10Plus |
| Additional model | : | D10A, D20B, D20Pro |
| Model difference | : | Different model names |
| 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 | : | 0.65 dBi |
| Power supply | : | Adapter Model: Dash-cam Power Supply D10Plus Input: DC9-36V Output:DC 5V |
| Hardware Version | : | D10A_MAIN_V30 230516 |
| Software Version | : | D10Plus-230630-V2.05 |



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 of the 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 (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 | 1.16 | 21.57 | 21.57 ± 1 | 180.717413 | 0.041757 | 1 | Pass |

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