



# FCC TEST REPORT

## FCC ID: 2A8YK-MINI02

|                                                                                                                       |   |                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product                                                                                                               | : | DASH CAM                                                                                                                                                                                                                                                                               |
| Model Name                                                                                                            | : | MINI02, MINI01, MINI03, MINI04, MINI05, MINI06, MINI07, MINI08, MINI09, MINIONE01, MINIONE02, MINIONE03, MINIONE04, MINIONE05, MINIONE06, MINIONE07, MINIONE08, MINIONE09, YC200, YC240, YC300, YC400, YC500, YC600, YC700, YC800, MM935, MM960, MM988, MM1088, MM1126, MM1166, MM1188 |
| Brand                                                                                                                 | : | N/A                                                                                                                                                                                                                                                                                    |
| Report No.                                                                                                            | : | PTC22080505101E-FC02                                                                                                                                                                                                                                                                   |
| <b>Prepared for</b>                                                                                                   |   |                                                                                                                                                                                                                                                                                        |
| Shenzhen Yeestek Tech Co., Ltd.                                                                                       |   |                                                                                                                                                                                                                                                                                        |
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| <b>Prepared by</b>                                                                                                    |   |                                                                                                                                                                                                                                                                                        |
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## TEST RESULT CERTIFICATION

Applicant's name : Shenzhen Yeestek Tech Co., Ltd.

Address : Room 201, Building A, Shenzhen Hong Kong cooperation zone,  
No.1 Qianwan 1st Road, Qianhai, Shenzhen, Guangdong, China

Manufacture's name : Shenzhen Yeestek Tech Co., Ltd.

Address : Room 201, Building A, Shenzhen Hong Kong cooperation zone,  
No.1 Qianwan 1st Road, Qianhai, Shenzhen, Guangdong, China

Product name : DASH CAM

Model name : MINI02, MINI01, MINI03, MINI04, MINI05, MINI06, MINI07,  
MINI08, MINI09, MINIONE01, MINIONE02, MINIONE03,  
MINIONE04, MINIONE05, MINIONE06, MINIONE07, MINIONE08,  
MINIONE09, YC200, YC240, YC300, YC400, YC500, YC600,  
YC700, YC800, MM935, MM960, MM988, MM1088, MM1126,  
MM1166, MM1188

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

Test Date : Sep. 29, 2022 to Oct. 13, 2022

Date of Issue : Oct. 29, 2022

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:

Simon Pu / Engineer

Technical Manager:

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Report No.: PTC22080505101E-FC02

## 2 Test Summary

| Test Items                                                        | Test Requirement | Result |
|-------------------------------------------------------------------|------------------|--------|
| Maximum Permissible Exposure<br>(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           | : | MINI02                                                                                                                                                                                                                                                                                 |
| Additional model     | : | MINI02, MINI01, MINI03, MINI04, MINI05, MINI06, MINI07, MINI08, MINI09, MINIONE01, MINIONE02, MINIONE03, MINIONE04, MINIONE05, MINIONE06, MINIONE07, MINIONE08, MINIONE09, YC200, YC240, YC300, YC400, YC500, YC600, YC700, YC800, MM935, MM960, MM988, MM1088, MM1126, MM1166, MM1188 |
| Model differences    | : | Product appearance color is different, model name is different, other are the same.                                                                                                                                                                                                    |
| 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;<br>OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n;                                                                                                                                                                                               |
| Antenna installation | : | Integral antenna                                                                                                                                                                                                                                                                       |
| Antenna Gain         | : | 1.84 dBi                                                                                                                                                                                                                                                                               |
| Power supply         | : | DC 5V/2.5A                                                                                                                                                                                                                                                                             |
| Hardware Version     | : | V1.0                                                                                                                                                                                                                                                                                   |
| Software Version     | : | V1.0                                                                                                                                                                                                                                                                                   |



## 4 RF Exposure

Test Requirement : 15.247 (i)

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

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

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

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

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) | Tune up tolerance (dBm) | Max Tune Up Power (mW) | Power Density (mW/cm <sup>2</sup> ) | Limit of Power Density (mW/cm <sup>2</sup> ) | Result |
|------|------------------------|------------------------------|-------------------------|------------------------|-------------------------------------|----------------------------------------------|--------|
| 2412 | 1.84dBi/1.53           | 6.07                         | 6.07 ± 1                | 5.093309               | 0.001548                            | 1                                            | Pass   |

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