

FCC RF EXPOSURE REPORT

Applicant	:	Tiandy Technologies Co., Ltd.
Address	:	No.8,Haitai Huake Rd2 (outside ring road) Huayuan New Technology Industrial Park
Manufacturer	:	Tiandy Technologies Co., Ltd.
Address	:	No.8,Haitai Huake Rd2 (outside ring road) Huayuan New Technology Industrial Park
Equipment under Test	:	PT Camera
Model No.	:	TC-L2,TC-H322A,TC-H332A,TC-H342A,TC-H352A,TC-H362A,TC-H382A,TC-H3102A,TC-H3A2A,TC-H3B2A,TC-H3C2A,TC-H322C,TC-H332C,TC-H342C,TC-H352C,TC-H362C,TC-H382C,TC-H3102C,TC-H3A2C,TC-H3B2C,TC-H3C2C,TC-H322D,TC-H332D,TC-H342D,TC-H352D,TC-H362D,TC-H382D,TC-H3102D,TC-H3A2D,TC-H3B2D,TC-H3C2D,TC-H322E,TC-H332E,TC-H342E,TC-H352E,TC-H362E,TC-H382E,TC-H3102E,TC-H3A2E,TC-H3B2E,TC-H3C2E,TC-H322N,TC-H332N,TC-H342N,TC-H352N,TC-H362N,TC-H382N,TC-H3A2N,TD-H622N,TD-H632N,TD-H642N,TD-H652N,TD-H662N,TD-H672N,TD-H682N,TD-H692N,TD-H6A2N,TD-H6112N,TD-H6N2N,TD-H6B2N,TD-H672A,TD-H622A,TD-H632A,TD-H642A,TD-H652A,TD-H662A,TD-H672A,TD-H682A,TD-H692A,TD-H6112A,TD-H6A2A,TD-H6B2A,TD-H6C2A,TD-H672C,TD-H632C,TD-H642C,TD-H652C,TD-H662C,TD-H692C,TD-H6112C,TD-H6A2C,TD-H6B2C,TD-H6C2C,TD-H672D,TD-H632D,TD-H642D,TD-H652D,TD-H662D,TD-H692D,TD-H6112D,TD-H6A2D,TD-H6B2D,TD-H6C2D,TD-H672E,TD-H632E,TD-H642E,TD-H652E,TD-H662E,TD-H692E,TD-H6112E,TD-H6A2E,TD-H6B2E,TD-H6C2E
Trade Mark	:	Tiandy
FCC ID	:	2BKEDTC-H342A
IC	:	N/A
Report No.	:	LS-R26012006-3F02
Issue Date	:	Mar. 30, 2026

LabSure Testing Services (Tianjin) Co., Ltd.



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Test Report Declare

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Trade Mark	:	Tiandy
Manufacturer	:	Tiandy Technologies Co., Ltd.
Address	:	No.8,Haitai Huake Rd2 (outside ring road) Huayuan New Technology Industrial Park

Test Standard Used:

KDB447498 D01 General RF Exposure Guidance v06

We Declare:

The equipment described above is tested and assessed by LabSure Testing Services (Tianjin) Co., Ltd. and in the configuration assessed the equipment complied with the standards specified above. The tested and assessed results are contained in this test report and LabSure Testing Services (Tianjin) Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these assessments.

After evaluation, our opinion is that the equipment In Accordance with above standard.

Report No.:	LS-R26012006-3F02		
Date of Receipt:	Mar. 02, 2026	Date of Test:	Mar. 02, 2026 ~ Mar. 30, 2026

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Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of LabSure Testing Services (Tianjin) Co., Ltd.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Mar. 30, 2026	

1. General Test Information

1.1. Description of EUT

EUT Name	: PT Camera
Model Number	: TC-L2, TC-H322A, TC-H332A, TC-H342A, TC-H352A, TC-H362A, TC-H382A, TC-H3102A, TC-H3A2A, TC-H3B2A, TC-H3C2A, TC-H322C, TC-H332C, TC-H342C, TC-H352C, TC-H362C, TC-H382C, TC-H3102C, TC-H3A2C, TC-H3B2C, TC-H3C2C, TC-H322D, TC-H332D, TC-H342D, TC-H352D, TC-H362D, TC-H382D, TC-H3102D, TC-H3A2D, TC-H3B2D, TC-H3C2D, TC-H322E, TC-H332E, TC-H342E, TC-H352E, TC-H362E, TC-H382E, TC-H3102E, TC-H3A2E, TC-H3B2E, TC-H3C2E, TC-H322N, TC-H332N, TC-H342N, TC-H352N, TC-H362N, TC-H382N, TC-H3A2N, TD-H622N, TD-H632N, TD-H642N, TD-H652N, TD-H662N, TD-H672N, TD-H682N, TD-H692N, TD-H6A2N, TD-H6112N, TD-H6N2N, TD-H6B2N, TD-H672A, TD-H622A, TD-H632A, TD-H642A, TD-H652A, TD-H662A, TD-H672A, TD-H682A, TD-H692A, TD-H6112A, TD-H6A2A, TD-H6B2A, TD-H6C2A, TD-H672C, TD-H632C, TD-H642C, TD-H652C, TD-H662C, TD-H692C, TD-H6112C, TD-H6A2C, TD-H6B2C, TD-H6C2C, TD-H672D, TD-H632D, TD-H642D, TD-H652D, TD-H662D, TD-H692D, TD-H6112D, TD-H6A2D, TD-H6B2D, TD-H6C2D, TD-H672E, TD-H632E, TD-H642E, TD-H652E, TD-H662E, TD-H692E, TD-H6112E, TD-H6A2E, TD-H6B2E, TD-H6C2E
Model Difference	: Models applied for this application are the equipment color, sales area and sales man, which do not affect the material, electromagnetic compatibility and safety electrical performance of the product.
Test Model Number	: TC-H342A
EUT Function Description	: Please reference user manual of this device
Power Supply	: AC 120V/60Hz
Radio Specification	: IEEE 802.11b/g/n
Operation Frequency	: IEEE 802.11b: 2412MHz-2462MHz IEEE 802.11g: 2412MHz-2462MHz IEEE 802.11n HT20: 2412MHz-2462MHz
Modulation	: IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Transmitter Rate	: IEEE 802.11b: 1, 2, 5.5, 11 Mbps IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps IEEE 802.11n: MCS0~MCS7
Antenna Type	: PCB antenna, maximum PK gain: 2.25 dBi
Exposure category	: General population/uncontrolled environment
Device Type	: Mobile Device
Turn-up Power	: 17dBm

Note: EUT is the ab. of equipment under test.

1.2. Test laboratory

LabSure Testing Services (Tianjin) Co., Ltd.

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NVLAP (National Voluntary Laboratory Accreditation Program) CODE: 500036-0

CNAS (China National Accreditation Service for Conformity Assessment) CODE: L13402

FCC Designation Number: CN5004; FCC Test Firm Registration Number: 368676

ISED (Innovation, Science and Economic Development Canada) Company Number: 27768

Conformity Assessment Body Identifier: CN0125

VCCI Facility Registration Number: C-20089, T-20093, R-20125, G-20122

2. RF EXPOSURE EVALUATION

2.1. Requirement

Systems operating under the provisions of FCC 47 CFR section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with.

Limits for General Population/Uncontrolled Exposure

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
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

2.2. Calculation method

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

E = Electric field (V/m)

P = Peak RF output power (mW)

G = EUT Antenna numeric gain (numeric)=

d = Separation distance between radiator and human body (m)

The formula can be changed to

We can change the formula to:

$$S = \frac{30 \times P \times G}{377 \times d^2} \quad \text{or, } d = \sqrt{\frac{30 \times P \times G}{377 \times S}}$$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2 m, as well as the gain of the used antenna, the RF power density can be obtained.

2.3. Estimation result

Worst Mode	Max. Tune Up power (dBm)	Output power (mW)	Antenna Gain (dBi)	Antenna Gain (linear)	MPE Values (mW/cm ²)	MPE Limit (mW/cm ²)
2.4G WiFi	17	50.12	2.25	1.68	0.0168	1

Note: The estimation distance is 20 cm

Conclusion: The measurement results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure of mobile device.

END OF REPORT