

TEST REPORT

Applicant Name : EWAY CAR TECHNOLOGY LIMITED
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NOS.721-725, NATHAN ROAD MONGKOK KL, Hong Kong
Report Number : 2504A90312E-RF
FCC ID: 2BG4R-EWB511

Test Standard (s)

47 CFR §2.1091

Sample Description

Product Type: Wireless Solar-Powered Magnetic Camera
Model No.: EW-B511, EW-B525
Trade Mark: N/A
Date Received: 2025-12-11
Report Date: 2026-02-27

Test Result:	The EUT complied with the standards above.
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Prepared and Checked By:

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Jason Fan
EMC Engineer

Approved By:

Bob. Liao

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EMC Engineer

Note: This report must not be used by the customer to claim product certification, approval, or endorsement by A2LA, or any agency of the Federal Government. The information marked "#" is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included but no need marked.
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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2504A90312E-RF	Original Report	2026-02-27

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	Wireless Solar-Powered Magnetic Camera
Tested Model	EW-B511
Multiple Model	EW-B525
Model Difference [#]	The difference is model number, sales channels and the main test model has an additional solar panel. Please refer to DOS letter. The applicant provided model "EW-B511", "EW-B525" for testing.
Frequency Range	2.4G SRD : 2410-2473MHz
Maximum Conducted Output Power	17.27 dBm
Antenna Specification [#]	External Antenna, Antenna gain: 2.7 dBi (It is provided by the applicant.)
Voltage Range [#]	DC5V from USB Type-C port or DC3.7V from battery
Sample Serial Number	3E50-3 (RF Conducted Test) (Assigned by ATC, Shenzhen)
Sample/EUT Status	Good condition
Adapter Information [#]	Model: PLH-A928 Input: 100-240V~ 50/60Hz 0.28A Output: 5.0V ---2.0A

Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts C and Part 2-Subpart J, Radiofrequency Radiation Exposure of the Federal Communication Commission rules.

The tests were performed in order to determine compliance with FCC §2.1091 rules.

Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Accredited by American Association for Laboratory Accreditation (A2LA).The Certificate Number is 4297.01.

RF EXPOSURE

Applicable Standard

According to subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

Limits for General Population/Uncontrolled Exposure

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (Minutes)
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz

* = Plane-wave equivalent power density

Result

Calculated Formulary:

Predication of MPE limit at a given distance

$$S = \frac{PG}{4\pi R^2}$$

S = power density (in appropriate units, e.g. mW/cm²)

P = power input to the antenna (in appropriate units, e.g., mW).

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain.

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

Mode	Frequency (MHz)	Antenna Gain [#]		Tune up conducted power [#]		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBi)	(numeric)	(dBm)	(mW)			
2.4G SRD	2410-2473	2.2	1.66	17.5	56.23	20	0.0186	1.00

Note 1: The tune-up power and antenna gain are declared by the applicant.

Note 2: Antenna Gain= 2.7-0.5(cable loss[#])=2.2dBi

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

Result: Compliance

EXHIBIT A-EUT PHOTOGRAPHS

Please refer to the Attachment No.1 2504A90312E-RF EUT External Photos and Attachment No.2 2504A90312E-RF EUT Internal Photos

***** END OF REPORT *****