



TEST REPORT

Applicant Name: Zhuhai Glory Technology Co., Ltd
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Report Number: 2604P30270E-RF
FCC ID: 2BMPT-485NM-N1V5RX

Test Standard (s)

47 CFR §2.1091

Sample Description

Product Type: 4G Solar-Powered Battery Camera
Model No.: GL-485NM-N1V5RX, GL-484NM-N3V6PX, GL-445NM-N1V5RX, GL-444NM-N3V6PX
Trade Mark: N/A
Date Received: 2026-01-23
Report Date: 2026-03-10

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

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EMC Engineer

Approved By:

Bob.Liao

Bob.Liao
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. This report cannot be reproduced except in full, without prior written approval of the Company. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

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DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2604P30270E-RF	Original Report	2026-03-10

GENERAL INFORMATION**Product Description for Equipment under Test (EUT)**

Product	4G Solar-Powered Battery Camera
Tested Model	GL-485NM-N1V5RX
Multiple Model	GL-484NM-N3V6PX, GL-445NM-N1V5RX, GL-444NM-N3V6PX
Model Difference [#]	The above models except for different model name and whether it includes solar panel accessories, models GL-485NM-N1V5RX and GL-484NM-N3V6PX include solar panel accessories, models GL-445NM-N1V5RX and GL-444NM-N3V6PX do not include solar panel accessories. Please refer to DOS letter for details. The applicant provided model "GL-485NM-N1V5RX" for testing.
Frequency Range	2.4G Wi-Fi: 802.11b/g/n20: 2412-2462MHz 802.11n40: 2422-2452MHz GSM 850: 824-849MHz(TX); 869-894MHz(RX) GSM 1900: 1850-1910MHz(TX); 1930-1990MHz(RX) WCDMA Band 2: 1850-1910MHz(TX); 1930-1990MHz(RX) WCDMA Band 4: 1710-1755MHz(TX); 2110-2155MHz(RX) WCDMA Band 5: 824-849MHz(TX); 869-894MHz(RX) LTE Band 2: 1850-1910MHz(TX); 1930-1990MHz(RX) LTE Band 4: 1710-1755MHz(TX); 2110-2155MHz(RX) LTE Band 5: 824-849MHz(TX); 869-894MHz(RX) LTE Band 7: 2500-2570MHz(TX); 2620-2690MHz(RX) LTE Band 12: 699-716MHz(TX); 729-746MHz(RX) LTE Band 13: 777-787MHz(TX); 746-756MHz(RX) LTE Band 25: 1850-1915MHz(TX); 1930-1995MHz(RX) LTE Band 26_1: 814-824MHz(TX); 859-869MHz(RX) LTE Band 26_2: 824-849MHz(TX); 869-894MHz(RX) LTE Band 38: 2570-2620MHz(TX/RX) LTE Band 41: 2496-2690MHz(TX/RX)
Maximum Conducted Output Power	2.4G Wi-Fi: 17.67dBm
Maximum Conducted Tune-up Output Average Power	GSM850:33 dBm GSM1900: 30dBm WCDMA B2: 25dBm WCDMA B4: 25dBm WCDMA B5 : 25dBm LTE B2: 25dBm LTE B4: 25dBm LTE B5: 25dBm LTE B7: 25dBm LTE B12: 25dBm LTE B13: 25dBm LTE B25: 25dBm LTE B26_1(814 MHz -824 MHz): 25dBm LTE B26_2(824 MHz -849 MHz): 25dBm LTE B38: 25dBm LTE B41: 25dBm Note [#] : The power is refer certified module parameters (FCC ID: XMR201903EG25G).
Antenna Specification [#]	2.4G Wi-Fi:Rubber Antenna: 3.06 dBi GSM 850/WCDMA B5/LTE B5: 0.36dBi, GSM 1900/WCDMA B2/LTE B2:1.04dBi, WCDMA B4/LTE B4:2.15dBi, LTE B7:1.41dBi, LTE B12: -4.96dBi, LTE B13: -1.44dBi, LTE B25: 1.04dBi, LTE B26_1(814 MHz -824 MHz): -0.42dBi, LTE B26_2(824 MHz -849 MHz): 0.36dBi, LTE B38: 1.41dBi, LTE B41: 1.41dBi The gain is as above, which is provided by the applicant.

Continued table

Voltage Range [#]	12V _{DC} from Adapter or 10.8V _{DC} from Battery
Sample Serial Number	3GMZ-2 (RF Conducted Test) (Assigned by ATC, Shenzhen)
Sample/EUT Status	Good condition

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 Wi-Fi	2412-2462	3.06	2.02	18	63.10	20	0.025	1.00
GSM 850	824-849	0.36	1.09	33	1995.26	20	0.431	0.55
GSM1900	1850-1910	1.04	1.27	30	1000	20	0.253	1.00
WCDMA B2	1850-1910	1.04	1.27	25	316.23	20	0.079934	1.00
WCDMA B4	1710-1755	2.15	1.64	25	316.23	20	0.103212	1.00
WCDMA B5	824-849	0.36	1.09	25	316.23	20	0.068349	0.55
LTE B2	1850-1910	1.04	1.27	25	316.23	20	0.079934	1.00
LTE B4	1710-1755	2.15	1.64	25	316.23	20	0.103212	1.00
LTE B5	824-849	0.36	1.09	25	316.23	20	0.068349	0.55
LTE B7	2500-2570	1.41	1.38	25	316.23	20	0.087042	1.00
LTE B12	699-716	-4.96	0.32	25	316.23	20	0.020	0.466
LTE B13	777-787	-1.44	0.72	25	316.23	20	0.045158	0.518
LTE B25	1850-1915	1.04	1.27	25	316.23	20	0.079934	1.00
LTE B26_1	814-824	-0.42	0.91	25	316.23	20	0.057112	0.543
LTE B26_2	824- 849	0.36	1.09	25	316.23	20	0.068349	0.55
LTE B38	2570-2620	1.41	1.38	25	316.23	20	0.087042	1.00
LTE B41	2496-2690	1.41	1.38	25	316.23	20	0.087042	1.00

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

Simultaneous transmitting consideration (worst case):

The ratio=2.4G wifi/Limit + GSM 850/Limit

= 0.025/1+ 0.431/0.55

=0.809<1.0

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 2604P30270E-RF EUT External Photos and Attachment No.2 2604P30270E-RF EUT Internal Photos

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