



TEST REPORT

Application No.: BTEK240124004AE
Applicant: Shenzhen Xinhongju Technology Co., Ltd.
Address of Applicant: Room 1302, Longhua Apartment, No. 9, Mingqing Rd, Longhua District, Shenzhen
Manufacturer: Shenzhen Xinhongju Technology Co., Ltd.
Address of Manufacturer: Room 1302, Longhua Apartment, No. 9, Mingqing Rd, Longhua District, Shenzhen
Factory: Shenzhen Xinhongju Technology Co., Ltd.
Address of Factory: Room 1302, Longhua Apartment, No. 9, Mingqing Rd, Longhua District, Shenzhen
Equipment Under Test (EUT):
EUT Name: Yard lamp
Model No.: ASGR29, ASGR29-WT, ASGR29-1, ASGR29-2, ASGR29-3, ASGR29-4, ASGR29-5, ASGR29-6, ASHT120-1
Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Trade Mark: N/A
Standard(s) : 47 CFR Part 2 Subpart J Section 2.1093
Date of Receipt: 2024-01-25
Date of Test: 2024-01-25 to 2024-03-11
Date of Issue: 2024-03-12

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Damon Su
EMC Laboratory Manager





Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2024-03-12		Original

Authorized for issue by:				
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		<div>Elma Yang/ Project Engineer</div>		
		<div>Carl Yang</div>		
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General Information

3.1 Details of E.U.T.

Power supply:	DC 3V CR2025 Battery
Cable(s):	/
Frequency Range:	434MHz
Modulation Type:	OOK
Number of Channels:	1
Antenna Gain:	0 dBi
Hardware Version	N/A
Software and Firmware Version	N/A

Remark: The information in this section is provided by the applicant or manufacturer, BANTEK is not liable to the accuracy, suitability, reliability or/and integrity of the information.

Model No.: ASGR29, ASGR29-WT, ASGR29-1, ASGR29-2, ASGR29-3, ASGR29-4, ASGR29-5, ASGR29-6, ASHT120-1

Only the model ASGR29 was tested. According to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions of other models are identical for the above models, with only difference on Model No.

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
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The EUT has been tested as an independent unit.			



3.3 Test Location

All tests were performed at:

Shenzhen BANTEK Testing Co., Ltd.,

A5&A6, Building B1&B2, No.45 Gangtou Road, Bogang Community, Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518103

Tel:0755-2334 4200 Fax: 0755-2334 4200

FCC Registration Number: 264293

Designation Number: CN1356

No tests were sub-contracted.

3.4 Deviation from Standards

None

3.5 Abnormalities from Standard Conditions

None



4 Test Requirement

KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$

Where

-f(GHz) is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

4.1 Assessment Result

☒ Passed ☐ Not Applicable

$$E = \text{EIRP} - 20 \log D + 104.8$$

where:

E = electric field strength in dB μ V/m,

EIRP = equivalent isotropic radiated power in dBm

D = specified measurement distance in meters.

Note: Field strength(max)(dB μ V/m) is reference to BTEK240124004AE001.

Type	Frequency (MHz)	Field strength(max) (dB μ V/m)	Maximum EIRP (dBm)	Maximum EIRP (mW)	Calculating data	Limit	Result
OOK	434	86.05	-9.21	0.12	0.016	3.0	Pass

Note: The exposure evaluation safety distance is 5mm.

- End of the Report -

