



Report No.: 86260529008

Date: June. 5, 2026

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RF TEST REPORT

Applicant : Henan Chunzhilian E-commerce Co., Ltd

Address: No. 1613, Building 13, Erqi Wanda, Daxue Road, Changjiang Road Sub district, Erqi District, Zhengzhou City, Henan Province

Manufacturer: Henan Chunzhilian E-commerce Co., Ltd

Address: No. 1613, Building 13, Erqi Wanda, Daxue Road, Changjiang Road Sub district, Erqi District, Zhengzhou City, Henan Province

EUT Name: Acrylic Light Plaque Base

Trade mark: /

Model: YZX-SSNGLYWF-5

FCC ID: 2BXRK-YZXSSNGLYWF

Rating: DC5V
Battery 3.7V

Sample Received Date: May. 29, 2026

Test Date: May. 29, 2026~Jun. 4, 2026

Applicable Standards: CFR 47, FCC Part 2.1093

Test Result Pass

Prepared by: *Jojo Wu*

Jojo Wu/Project Engineer

Approved by: *Bruce Zhang*

Bruce Zhang/Technical Manager

HD Testing Technology (GuangDong) Co., Ltd.

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Revision History

Version	Date of Issue	Description
V00	June. 5, 2026	Original Version

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1. EUT DESCRIPTION

Product:	Acrylic Light Plaque Base
Test Model:	YZX-SSNGLYWF-5
Additional Model:	N/A
Rating:	DC5V Battery 3.7V
FCC ID:	2BXRK-YZXSSNGLYWF
Antenna Type:	PCB Antenna
Antenna Gain:	0dBi
Operation Frequency:	2402-2480MHz
Number of Channels:	79
Modulation Type:	GFSK, π /4-DQPSK, 8DPSK
Hardware Version:	V1.0
Software Version:	V1.0

Note:

- 1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- 2) Antenna gain was provided by the applicant/ manufacturer, and the applicant/ manufacturer is responsible for its validity.
- 3) The test results in the report only apply to the tested sample.

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2. RF EXPOSURE EVALUATION

2.1. Requirement

According to ANSI/IEEE C95.1-1992, the criteria listed in Table as below shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in 1.1310.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	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				
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

2.2. Calculation method

The following formula was used to calculate the Power Density:

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

Where:

S: Power density(mW/cm²)

P: power input to antenna (Watt)

G: is the antenna gain relative to an isotropic antenna;

R: is the distance from observation point to the antenna

Note:

1) P (Watts)=(10 ^ (dBm /10))/1000

2) G (Antenna gain in numeric) = 10[^] (Antenna gain in dBi /10)

3) π=3.142

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2.3. Tune-up Result

Test mode	Maximum Conducted Output Power(dBm)	Tune-up Power(dBm)
BT	4.95	4±1dBm

2.4. Evaluation Result

Mode	Maximum Tune up Power (dBm)	Antenna Gain (dBi)	Antenna Gain (linear)	Maximum E.I.R.P. (mW)	Power density (mW/cm ²)	Power density Limit (mW/cm ²)	Result
BT	5	0	1	3.1623	0.0006	1	PASS

2.5. Conclusion

According to 47 CFR 2.1091, the RF exposure analysis concludes that the RF Exposure is FCC compliant.

End of Report

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