

FCC RF EXPOSURE REPORT

FCC ID: 2AJ2LFJ03YG

Test Report No.....: RF260128003-01-005

Product(s) Name.....: Reli Smart Aquarium F30

Model(s).....: FJ03YG, FJ03YGH

Trade Mark.....: RELI

Applicant.....: Beijing MADV Technology CO., Ltd.

Address.....: No.80, Floor4, building17, Yard30, shixingdajie
Shijingshan District, Beijing,100041, CHINA

Receipt Date.....: 2026.06.30

Test Date.....: 2026.07.01 ~ 2026.07.20

Issued Date.....: 2026.07.21

Standards.....: FCC Guidelines for Human Exposure IEEE C95.1
FCC Title 47 Part 2.1091
KDB 447498 D01 General RF Exposure Guidance v06

Testing Laboratory.....: Shenzhen Haiyun Standard Technical Co., Ltd.

Prepared By:	Checked By:	Approved By:	
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<i>Jason Huang</i>	<i>Black Ding</i>	<i>Tim Zhang</i>	

History of this test report

Original Report Issue Date: 2026.07.21

- ☒ No additional attachment
- ☐ Additional attachments were issued following record

Attachment No.	Issue Date	Description

1. MPE CALCULATION METHOD

Radio Frequency Exposure Limit

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)
300-1,500	--	--	f/1500
1,500-100,000	--	--	1.0

Calculation Method of RF Safety Distance:

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

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna

For BT & 2.4G WIFI

Antenna gain	Antenna Type
4.48dBi	FPC antenna

2. TEST RESULTS

Worst case as below

Operating Mode	Freq.	Maximum conducted output power	Antenna Gain	Calculated maximum EIRP		MPE Limit	MPE Value
	(MHz)	(dBm)	(dBi)	(dBm)	(mW)	(mW/cm ²)	
BLE	2402-2480	2.85	4.48	7.33	5.41	1	0.0011
2.4G Wifi	2412-2462	14.47	4.48	18.95	78.52	1	0.0156

Note: 1. The calculated distance is 20 cm.

2. The Wifi function can transmit at the same time with the BT function.

Simultaneous transmitting consideration(worst case)

The ratio= $MPE_{BT}/limit + MPE_{2.4G\ Wifi}/limit = 0.0011/1 + 0.0156/1 = 0.0167 < 1.0$

Result: Complies

Statement

1. The report is invalid without the official seal or special seal of Shenzhen Haiyun Standard Technical Co., Ltd. (hereinafter referred to as the unit).
2. The report is invalid without the signature of the approver.
3. The report is invalid if altered arbitrarily.
4. The report shall not be partially copied without the written approval of the unit.
5. The reported test results are only valid for the tested samples.
6. If there is any objection to the test report, it shall be submitted to the test unit within 15 days from the date of receiving the report, and the overdue shall not be accepted.

Shenzhen Haiyun Standard Technical Co., Ltd.

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(END OF REPORT)