



中国认可
国际互认
检测
TESTING
CNAS L0446



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Test Report

Verified code: 627164

Report No.: E20220613205901-3

Customer: Lumi United Technology Co., Ltd
Address: Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China
Sample Name: Smart Pet Feeder C1
Sample Model: PETC1-M01
Receive Sample Date: Jun.24,2022
Test Date: Jun.28,2022 ~ Aug.18,2022
Reference Document: EN 50663:2017 Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10MHz - 300 GHz)
EN 62479:2010 Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields(10MHz to 300GHz)
Test Result: Pass

Prepared by: *Huang lifang*

Reviewed by: *Wu Haoting*

Approved by: *Xiao liany*

GUANGZHOU GRG METROLOGY & TEST CO., LTD

Issued Date: 2022-08-25

Guangzhou GRG Metrology & Test Co., Ltd.

Address: No.163, Pingyun Road, West of Huangpu Avenue, Guangzhou, Guangdong, China
Tel: (+86) 400-602-0999 FAX: (+86) 020-38698685 Web: <http://www.grgtest.com>



Statement

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REPORT ISSUED HISTORY

Report Version	Report No.	Description	Compile Date
1.0	E20220613205901-3	Original Issue	2022-08-19

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1 GENERAL DESCRIPTION OF EUT

1.1 APPLICANT INFORMATION

Name: Lumi United Technology Co., Ltd
Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China

Address: Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China

1.2 MANUFACTURER

Name: Lumi United Technology Co., Ltd
Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China

Address: Avenue, Fuguang Community, Taoyuan Residential District, Nanshan District, Shenzhen, China

1.3 FACTORY

Factory : Huizhou Dudu Pet Products Co.,Ltd
Address: Building C,Taiming Industrial Park,Jinglong Village,Zhenlong Town,Huiyang District,Huizhou City.

1.4 BASIC DESCRIPTION OF EUT

Product Name: Smart Pet Feeder C1

Product Model: PETC1-M01

Adding Model: /

Trade Name: Aqara

Power Supply: Rated Input:5V $\overline{\text{---}}$ 1A by adapter;
4.5Vdc by battery.

Frequency Band: 2405MHz-2480MHz

Modulation Type: O-QPSK

Antenna Type: Internal antenna

Antenna Gain: 0dBi

Hardware Version: 35

Software Version: 0.0.0_3733

Sample submitting way: Provided by customer Sampling

Sample No: E20220613205901-0005,E20220613205901-0008

Note: /

2 LABORATORY

The tests & measurements refer to this report were performed by Shenzhen EMC Laboratory of Guangzhou GRG Metrology & Test Co., Ltd.

Add.: No.1301 Guanguang Road Xinlan Community, Guanlan Street, Longhua District
Shenzhen, 518110, People's Republic of China.

P.C.: 518110

Tel : 0755-61180008

Fax: 0755-61180008

3 ACCREDITATIONS

Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

USA A2LA(Certificate#:2861.01)

China CNAS(L0446)

The measuring facility of laboratories has been authorized or registered by the following approval agencies.

Canada ISED (Company Number: 24897, CAB identifier:CN0069)

USA FCC (Registration Number: 759402, Designation Number:CN1198)

Copies of granted accreditation certificates are available for downloading from our web site,
<http://www.grgtest.com>

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4 TECHNICAL REQUIREMENTS SPECIFICATION IN

4.1 RF EXPOSURE EVALUATION

According to its specifications, the EUT must comply with the requirements of the following standards:

EN 62479 – Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10MHz to 300GHz)

Introduction:

This generic standard applies to low power electronic and electrical apparatus for which no dedicated product – or product family standard regarding human exposure to electromagnetic fields applies.

The frequency range covered is 10MHz to 300GHz.

The object of this standard is to demonstrate the compliance of such apparatus with the basic restrictions on exposure of the general public to electric, magnetic and electromagnetic fields and contact current.

Compliance criteria:

All electromagnetic fields If the average power emitted by the apparatus operating in the frequency range 10MHz to 300GHz is less than or equal to 20mW and the transmitting peak power is less than 20W then the apparatus is deemed to comply with the basic restrictions without testing.

Averaging time is 6 minutes in the frequency range 10MHz to 10GHz. The average time is equal to $68/f^{1.05}$ minutes (where f is in GHz) in the frequency range 10GHz to 300GHz.

If the total supply power or the input power to the circuitry producing the greatest emissions in the device is less than or equal to 20mW then it is assumed that the emitted power is less than 20mW.

Pulse modulated electromagnetic fields with pulse duration less than 30 micro seconds.

For pulse of duration less than 30 microseconds at frequencies between 300MHz and 10GHz, there is also a basic restriction on SA. This is 2mJ kg^{-1} in any 10g of tissue in the head. For most pulses, the SAR restriction will be more stringent, but for pulses with a repetition frequency of less than 100Hz, the SA restriction will predominate. For devices producing pulses with repetition rates below 100 Hz, the average power should be less than $20 \times \text{prf mW}$ (prf in Hz).

4.2 EVALUATION RESULTS

Zigbee:

Operating Mode with Modulation				
Packet	EIRP Level (dBm)	EIRP Level (mW)	EIRP Limit(mW)	Result
O-QPSK	8.08	6.43	20	PASS

RF exposure assessment has been performed below to prove that this unit will not generate the harmful EM emission above the reference level as specified in EC Council Recommendation (1999/519/EC)

5 APPENDIX A:PHOTOGRAPH OF THE EUT

Please refer to the attached document E20220613205901-1-EUT Photo.

----- **End of Report** -----

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