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Verified code: 627164

Test Report

Report No.: E20220613205901-3

Customer: Lumi United Technology Co., Ltd

Room 801-804, Building 1, Chongwen Park, Nanshan iPark, No. 3370, Liuxian

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

Shenzhen, China

Smart Pet Feeder C1 Sample Name:

Sample Model: PETC1-M01

Receive Sample

Date:

Jun.24,2022

Test Date: Jun.28,2022 ~ Aug.18,2022

EN 50663:2017 Generic standard for assessment of low power electronic and electrical

equipment related to human exposure restrictions for electromagnetic fields (10MHz -

Reference

300 GHz)

Document: 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: Hard Washing Approved by: Kias Gary

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





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Statement

1. The report is invalid without "special seal for inspection and testing"; some copies are invalid; The report is invalid if it is altered or missing; The report is invalid without the signature of the person who prepared,

reviewed and approved it.

2. The sample information is provided by the client and responsible for its authenticity; The content of the report

is only valid for the samples sent this time.

3. When there are reports in both Chinese and English, the Chinese version will prevail when the language

problems are inconsistent.

4. If there is any objection concerning the report, please inform us within 15 days from the date of receiving the

report.

5. Without the agreement of the laboratory, the client is not authorized to use the test results for unapproved

propaganda.

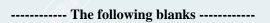


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REPORT ISSUED HISTORY

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

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

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 === 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: /

ROLO





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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 top 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/f1.05 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 that 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 that 100Hz, the SA restriction will predominate. For devices producing pulses with repetition rates below 100 Hz, the average power should be less that 20 x 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)

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5 APPENDIX A:PHOTOGRAPH OF THE EUT

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

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

