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TEST REPORT

Product Name ..... **:** Water Leak Sensor

Trademark ..... **:** AQara

Model/Type reference ..... **:** SJCGQ11LM

Listed Model(s) ..... **:** /

Test Standards ..... **:** **EN62479:2010**

Applicant ..... **:** Lumi United Technology Co., Ltd.

Address of Applicant ..... **:** 8th Floor, JinQi Wisdom Valley, No.1 Tangling Road, Liuxian Ave, Taoyuan Residential District, Nanshan District, Shenzhen, China.

Date of Receipt ..... **:** Nov. 7, 2017

Date of Test Date ..... **:** Nov. 7, 2017 - Nov. 12, 2017

Data of Issue. ..... **:** Nov. 14, 2017

Test result	**Pass ***

* In the configuration tested, the EUT complied with the standards specified above

CE

The CE mark as shown above can be used, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The protection requirements with respect to electromagnetic compatibility contained in Directive 2014/53/EU are considered.

GENERAL DESCRIPTION OF EUT	
Equipment:	Water Leak Sensor
Model Name:	SJCGQ11LM
Manufacturer:	Lumi United Technology Co., Ltd.
Manufacturer Address:	8th Floor, JinQi Wisdom Valley, No.1 Tangling Road, Liuxian Ave, Taoyuan Residential District, Nanshan District, Shenzhen, China.
Power Rating:	Input: DC 3V,25mA. (This is powered by the CR2032 battery)

Compiled By: Zaki Zhang
(Zaki Zhang)

Reviewed By: Gavin shi
(Gavin Shi)

Approved By:
(Walter Chen)

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1. GENGENERAL INFORMATION

1.1. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature:	25°C
Relative Humidity:	55 %
Air Pressure:	101KPa

1.2. Product Description

Product Name:	Water Leak Sensor
Model/Type reference:	SJCGQ11LM
Power supply:	DC 3V,25mA. (This is powered by the CR2032 battery)
FHSS	
Modulation:	O-QPSK
Operation frequency:	2405MHz to 2480MHz
Channel number:	16
Channel Separation:	5 MHz
Antenna type:	PCB Antenna
Antenna gain:	2.00dBi

Note: For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

1.3. Test Facility

1.3.1 Address of the test laboratory

Shenzhen General Testing & Inspection Technology Co., Ltd.

Add: 1F, 2 Block,Jiaquan Building, Guanlan High-tech Park Baoan District, Shenzhen, Guangdong,China

1.3.2 Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

IC Registration No.: 9783A

The 3m alternate test site of Shenzhen GTI Technology Co., Ltd.EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 9783A on Jan, 2016.

2. Method of measurement

Applicable Standard

EN62479_2010: Assesment of the compliance of low-power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)

EMF Assessment Method

According to the EN62479 Annex A.2

Table A.1 – Example values of SAR-based P_{max} for some cases described by ICNIRP, IEEE Std C95.1-1999 and IEEE Std C95.1-2005

Guideline / Standard	SAR limit, SAR_{max} W/kg	Averaging mass, m g	P_{max} mW	Exposure tier[a]	Region of body[a]
ICNIRP [1]	2	10	20	General public	Head and trunk
	4	10	40	General public	Limbs
	10	10	100	Occupational	Head and trunk
	20	10	200	Occupational	Limbs
IEEE Std C95.1-1999 [2]	1,6	1	1,6	Uncontrolled environment	Head, trunk, arms, legs
	4	10	40	Uncontrolled environment	Hands, wrists, feet and ankles
	8	1	8	Controlled environment	Head, trunk, arms, legs
	20	10	200	Controlled environment	Hands, wrists, feet and ankles
IEEE Std C95.1-2005 [3]	2	10	20	Action level	Body except extremities and pinnae
	4	10	40	Action level	Extremities and pinnae
	10	10	100	Controlled environment	Body except extremities and pinnae
	20	10	200	Controlled environment	Extremities and pinnae
[a] Consult the appropriate standard for more information and definitions of terms.					

3. Test Result

Mode	Max Measured power (dBm)	Conducted Output Power			Limit
		Antenna Gain (dBi)	EIRP (dBm)	(mW)	
O-QPSK	7.75	2.00	9.75	9.44	20

Note: 1. because the output power of theEUT is less than 20mW (13dBm), so standalone SAR are exempt.

************************THE END*************************