

# TEST REPORT

**Client** : Ruuvi Innovations Ltd.

**Address** : c/o Solventia Rauhankatu 20B20, 06100 Porvoo, Finland

**The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client:**

Sample Name : Open-Source Sensor Beacon

Sample Type : RuuviTag

Sample Quantity : 1pc

Sample Received Date : Nov. 15, 2016

Sample tested Date : Nov. 16, 2016~Nov. 17, 2016

Tested by

*Cifer. Lu*

Cifer Lu(Lu Jiang)

Nov. 17, 2016

Reviewed by

*David Wan*

David Wan(Wan Deji)

Nov. 17, 2016

Approved by

*Solger Zhang*

Solger Zhang(Zhang Hongyi)  
Authorized Officer

Nov. 17, 2016

Attestation of Global Compliance (Shenzhen) Co., Ltd.

## CAUTION:

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of AGC, this report can't be reproduced except in full.



The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The document is available on request and the brief information for its validation can be assessable and confirmed at <http://www.agc-cert.com>

# TEST REPORT

## Test Requested:

Test Sequence	Test Item	Sample No.	Tested Date
1	IPX7 test	001	Nov. 16, 2016
2	IP6X test	001	Nov. 16, 2016~Nov. 17, 2016

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The document is available on request and the brief information for its validation can be assessable and confirmed at <http://www.agc-cert.com>

# TEST REPORT

## Test Item 1: IPX7 test

### 1) Environment conditions:

Temperature: 23.5°C Humidity: 50%RH

### 2) Tested Sample:

Sample No.	Sample Name	Sample Type	Sample Quantity
001	Open-Source Sensor Beacon	RuuviTag	1pc

### 3) Reference Basis: IEC 60529:2013

### 4) Test Condition:

- Above 0.15m, between the top of the sample and the surface of the water. Above 1m, between the bottom of the sample and the surface of the water;
- Test duration: 30min.

### 5) Test Equipment:

Sequence	Equipment Name	Serial No.	Valid Date to
1	Waterproof test system	AGC-RE-E020	Jan. 20, 2017

### 6) Test Results:

Sample No.	Test result	Conclusion
001	No water into the sample inside by visual inspection	Pass

### Sample Photo before the Test:



The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The document is available on request and the brief information for its validation can be assessed and confirmed at <http://www.agc-cert.com>



# TEST REPORT

**Sample Photo during the Test:**



**Sample Photo after the Test:**



The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The document is available on request and the brief information for its validation can be assessable and confirmed at <http://www.agc-cert.com>

# TEST REPORT

## Test Item 2: IP6X test

### 1) Environment conditions:

Temperature: 23.6°C Humidity: 51%RH

### 2) Tested Sample:

Sample No.	Sample Name	Sample Type	Sample Quantity
001	Open-Source Sensor Beacon	RuuviTag	1pc

### 3) Reference Basis: IEC 60529:2013

### 4) Test Condition:

- Set the samples in the dust chamber, the pressure inside the enclosure is maintained below the surrounding atmospheric pressure by a vacuum pump (Pump speed: 6mL/min, less than 40 times of the shell volume per hour; the differential pressure between the containment and the atmosphere  $\leq 2$  kPa);
- Dust content of Dust Tester: 2 kg/m<sup>3</sup>;
- Test time: 8h.

### 5) Test Equipment:

Sequence	Equipment Name	Serial No.	Valid Date to
1	Dust Tester	AGC-RE-E018	Jan. 20, 2017

### 6) Test Results:

Sample No.	Test result	Conclusion
001	No dust into the sample inside by visual inspection	Pass

#### Sample Photo before the Test:



The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC; this document cannot be reproduced except in full with our prior written permission. The document is available on request and the brief information for its validation can be assessable and confirmed at <http://www.agc-cert.com>

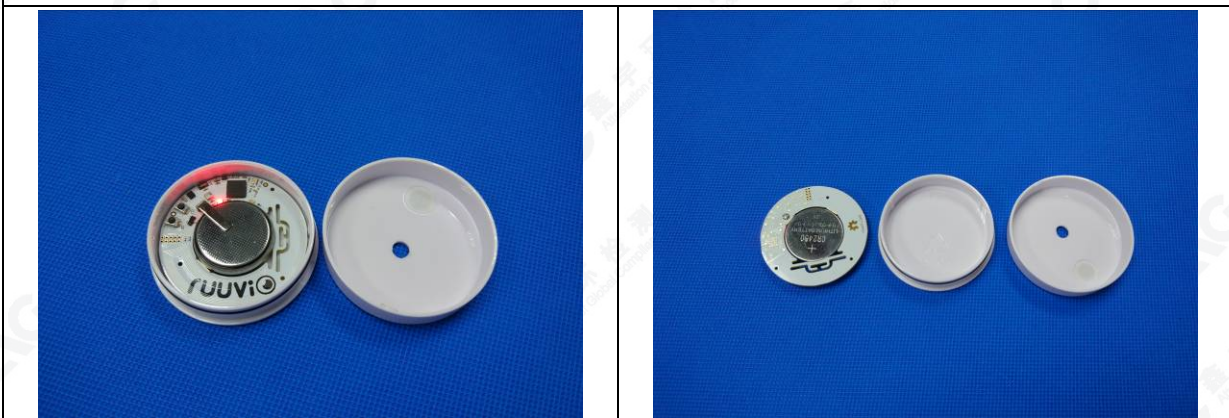


# TEST REPORT

**Sample Photo during the Test:**



**Sample Photo after the Test:**



\*\*\* End of Report \*\*\*

Testing laboratory address: 1F., Building C West, Qinyu Industrial Park, Nanchang Community, Baoan Road, Xixiang Street, Baoan District, Shenzhen, China.

## CAUTION:

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of AGC, this report can't be reproduced except in full.

The results shown in this test report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by AGC, this document cannot be reproduced except in full with our prior written permission. The document is available on request and the brief information for its validation can be assessable and confirmed at <http://www.agc-cert.com>