Report No.: XMDN210720-30037E-SF

TEST REPORT

According to IEC 62262: 2002

For

AKUVOX (XIAMEN) NETWORKS CO., LTD.

10/F, No.56, Software Park II , Xiamen, China

Test model: A01S

Report Type: Impact Test Report		**Product Type:** Access control terminal
Test Engineer:	Aaron Mao	Aaron Mao
Report Number:	XMDN210720-30037E-SF	
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Report Date:	2021-08-04	
Reviewed By:	Andrew Luo	Andrew Luo
Prepared By:	Bay Area Compliance Laboratories Corp. (Dongguan). No.12, Pulong East 1st Road, Tangxia Town, Dongguan. Tel: +86-0769-86858888 Fax:+86-0769-86858588	

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1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test (EUT)

AKUVOX (XIAMEN) NETWORKS CO., LTD. product, "EUT" as referred to in this report is Access control terminal and the model is A01S.

The test sample was in good condition and received: 2021-07-23.

1.2 Objective

The following Declaration of Conformity of a device is prepared on behalf of AKUVOX (XIAMEN) NETWORKS CO., LTD., is accordance with IEC 62262: 2002 .

1.3 Test Methodology

All measurements contained in this report are conducted with IEC 62262: 2002 .

Hammer test contained in this report are conducted with IEC 60068-2-75: 1997.

All measurements are performed at Bay Area Compliance Laboratories Corp. (Dongguan).

1.4 Test Equipment List

Test Equipment	Model	Equipment No	Cal. Date	Due Date
Spring hammer	N/A	T-08-SF324	2021-01-18	2022-01-17

1.5 Equipment Under Test (EUT)

Applicant	Description	Model	Trade Name
AKUVOX (XIAMEN) NETWORKS CO., LTD.	Access control terminal	A01S	Akuvox
Applicant address	10/F, No.56, Software Park II , Xiamen, China		

2. Impact test

2.1 Test Method

IK code and impact energy

Table 1 — Relation between IK code and impact energy

IK code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
Impact energy Joule	[a]	0,14	0,2	0,35	0,5	0,7	1	2	5	10	20
[a] not protected according to this standard											

Spring impact hammer

The impact energy which the hammer can provide is 0.2J, 0.35J, 0.5J, 0.7J, 1J, 2J, 5J, 10J. And the structure of the hammer is conformed to the demands of IEC 60068-2-75: 1997. Use an adjusted energy value to strike the selected area on the specimen surface in the direction which perpendicular to the test area, the specimen surface held in a horizontal and rigid surface. A support is considered to be sufficiently rigid if its displacement is less than or equal to 0.1mm under the effect of an impact directly applied and whose energy corresponds to the degree of protection.

2.2 Test Procedure

1. Check the function and appearance before test.
2. Set the EUT on the test surface.
3. Adjust the impact energy of the spring impact hammer to 2J.
4. Apply the impact to every test position 3 times, in the direction which perpendicular to the test area.
5. Test is completed.

2.3 Initial Test

Check the appearance and function.

Identification No.	Position	Appearance
#001	Position 1 ~ Position 8	Normal

Note: The detail position diagrammatic drawings please refer to Clause 3.1 Position diagrammatic drawing.

2.4 Test Results

#001		0.2J (IK02)	0.35J (IK03)	0.5J (IK04)	0.7J (IK05)	1J (IK06)	2J (IK07)
Appearance	Position 1~ Position 8	P	P	P	P	P	P

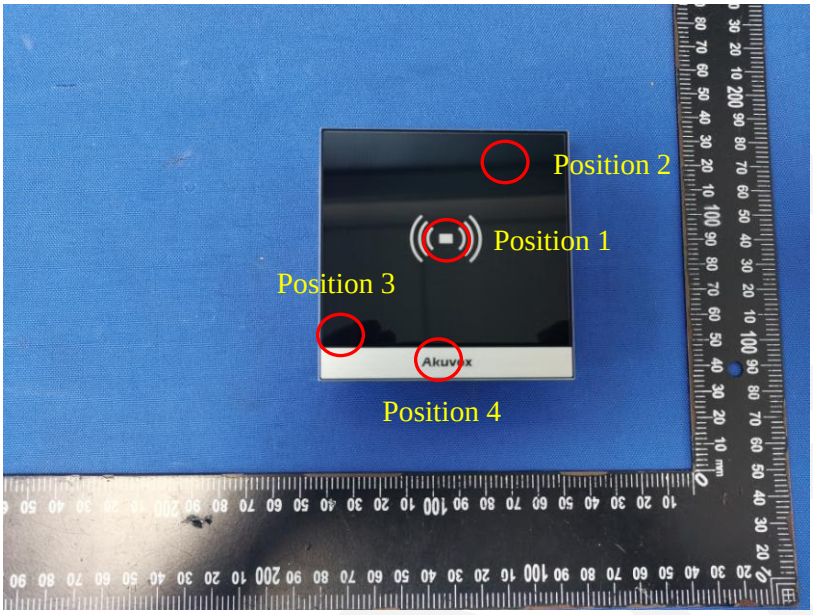
Note: F: Fail; P: Pass

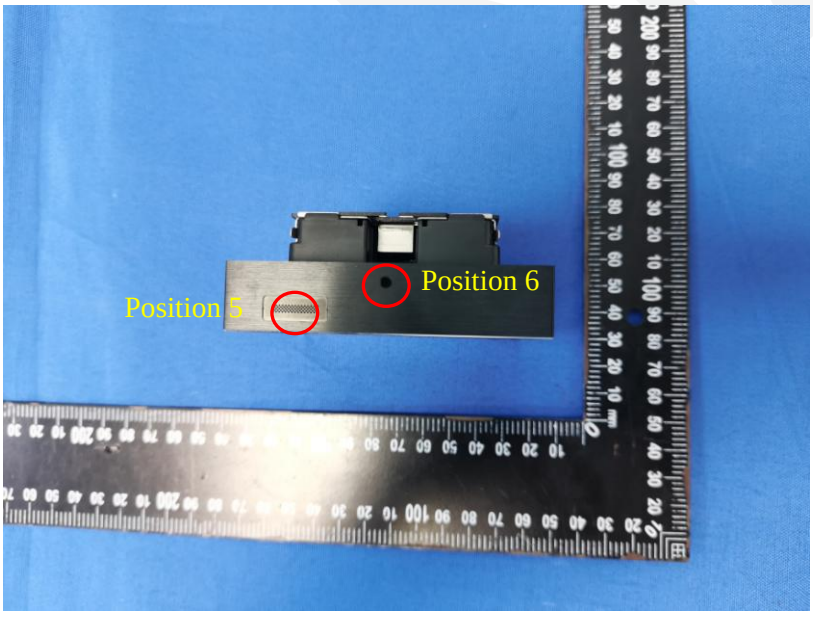
Result: The IK code of the sample is IK07.

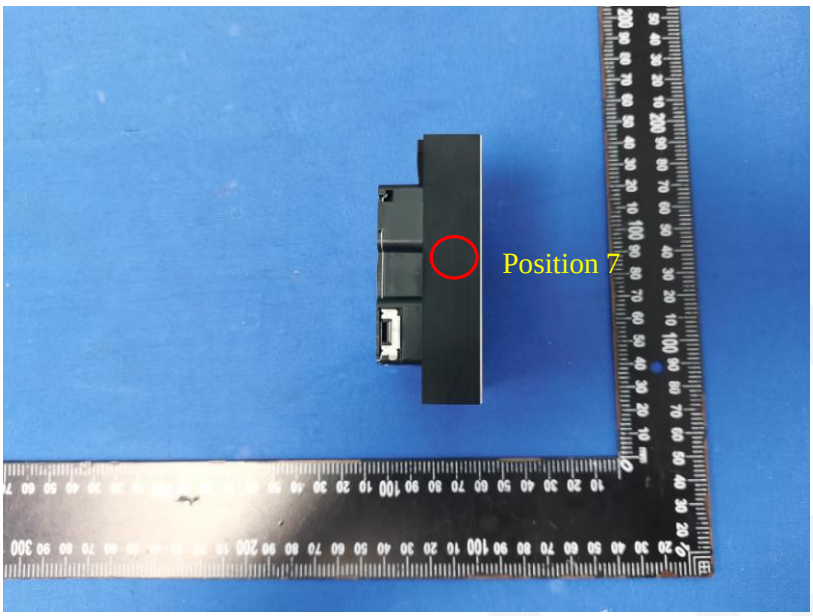
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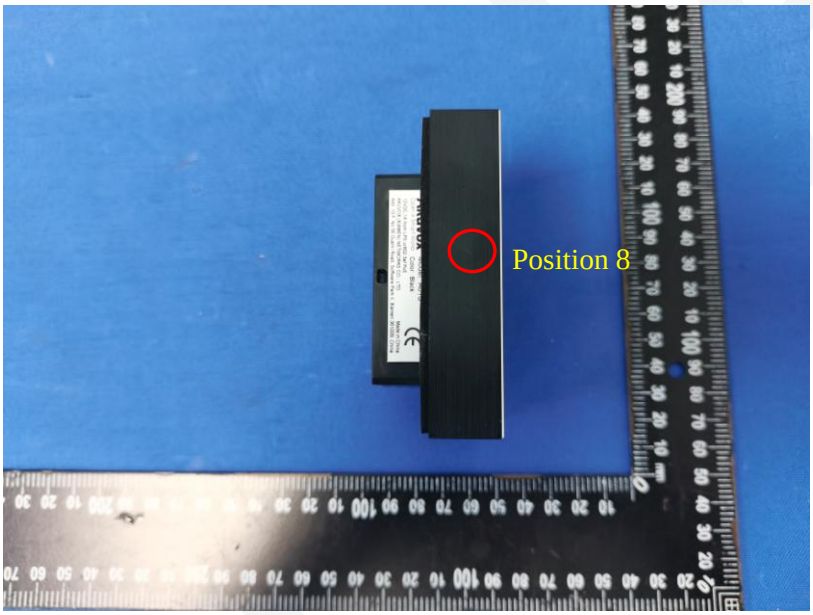
3. EUT PHOTOS

3.1 Position diagrammatic drawing: Position1 to Position 8



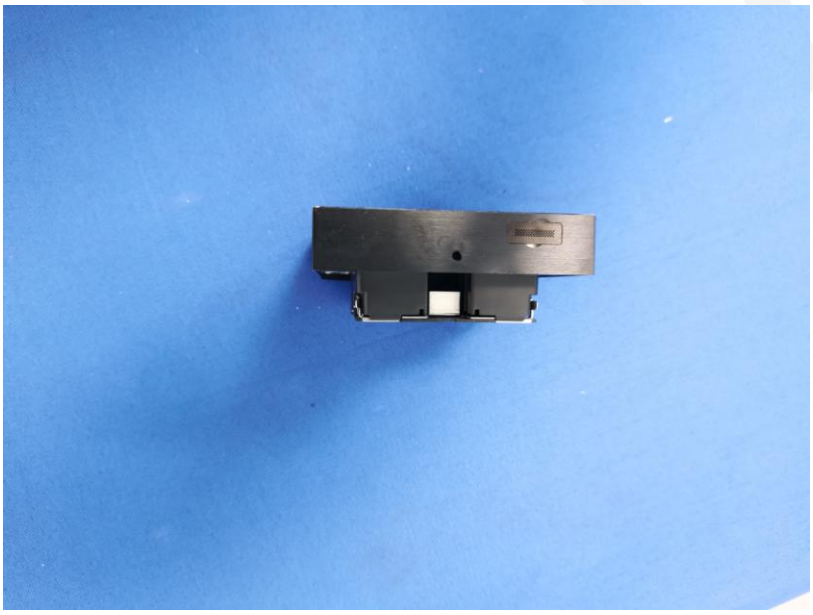


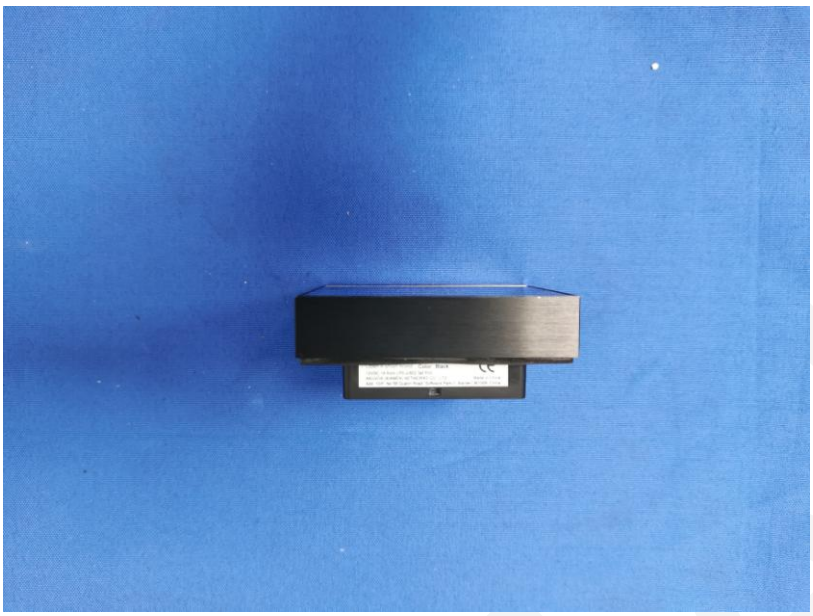

Position 7

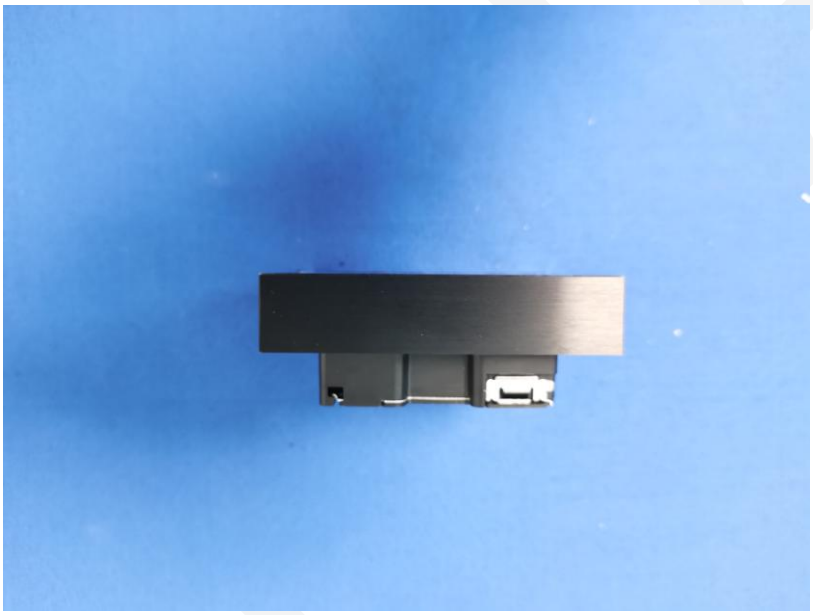

Position 8

3.2 Appearance check after test









Directions

1. The information marked # is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
2. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.
3. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
4. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.
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********** End of Report **********

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