IEC 62262:2002+AMD1:2021

Measurement and Test Report

For

AKUVOX (XIAMEN) NETWORKS CO., LTD.

10/F, No.56 Guanri Road, Software Park II, Xiamen 361009, China

Test model: E20S

This Report Concerns:	Equipment Type:
☒Original Report	Door Phone

IK code:	IK10
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Test Date:	2023-04-07
Report Date :	2023-04-17
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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 a “Door Phone” and the test model is E20S.

1.2 Objective

The following Declaration of Conformity of a device is prepared on behalf of the applicant, which is accordance with IEC 62262:2002+AMD1:2021.

1.3 Test Method

All tests contained in this report are conducted with IEC 62262:2002+AMD1:2021.

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

1.4 Equipment Under Test (EUT)

Manufacturer	Description	Model	Brand
AKUVOX (XIAMEN) NETWORKS CO., LTD.	Door Phone	E20S	Akuvox
Address	10/F, No.56 Guanri Road, Software Park II, Xiamen 361009, China		

1.5 Test Equipment List

S/N	Manufacturer and Model	Instrument Type	Instrument I.D	Cal. Last Date	Cal. Due Date
1	Bonade	Spring hammer	T-08-SF264	2022-06-07	2023-06-06
2	PWS280	Hygrothermograph	T-08-QA026	2022-04-25	2023-04-24

2. Mechanical impact test

2.1 Test Method

I. IK code and mechanical impact energy

Table 1 – Relation between IK code and impact energy

IK code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10	IK11
Impact Energy, J	*[a]	0,14	0,2	0,35	0,5	0,7	1	2	5	10	20	50
*[a] Not protected according to this document.												

II. This test was done by using the apparatus described in IEC 60068-2-75.

During the test the enclosure shall be mounted on a rigid support, according to the manufacturer's instructions for use. 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. Alternative mounting and support, suitable for the product, may be specified in the relevant product standard.

The number of impacts shall be five on each exposed face unless otherwise specified in the relevant product standard. The impacts shall be evenly distributed on the faces of the enclosure(s) under test .In no case shall more than three impacts be applied in the surroundings of the same point of the enclosure .The relevant product standard shall specify the points of application of impacts.

2.2 Test Procedure

1. Check the function and appearance before test.
2. Mount the EUT on the test surface.
3. Choose the right striking elements to do the test.
4. Check the enclosure surface.
5. Test is completed.
6. The front side of the EUT was tested for IK10 drop shock test. This test was performed as manufacturer declared.

2.3 Test Results

Sample No.: 248N	20J (IK10)
Front side	P

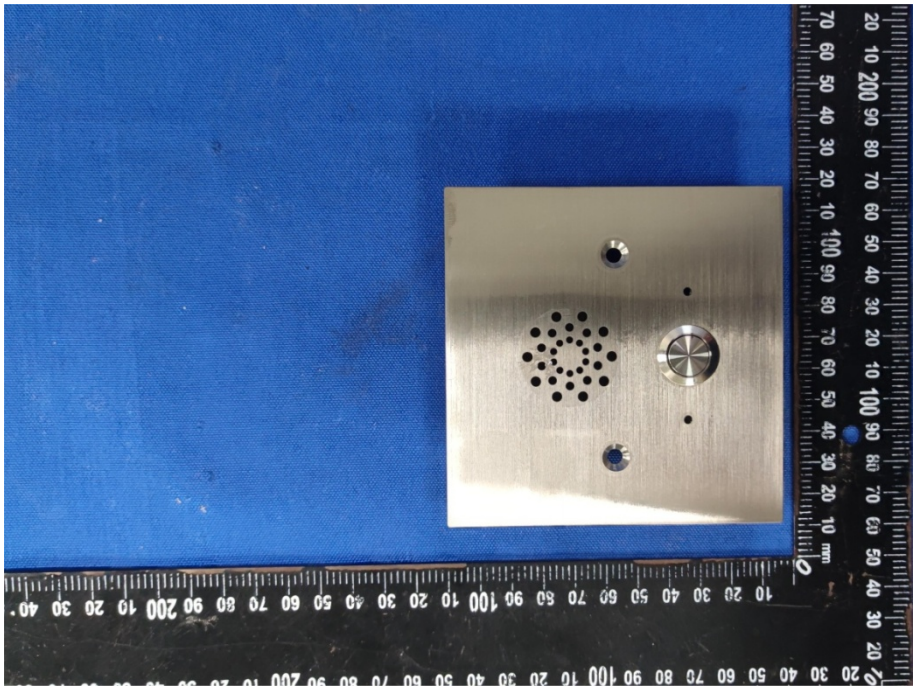
Note: F: Fail; P: Pass

Result:
(x)The front side of the EUT was tested for IK10 drop shock test.
(x) After the IK10 drop shock test, no damaged.
(x)The IK code of the sample comply with level-IK10

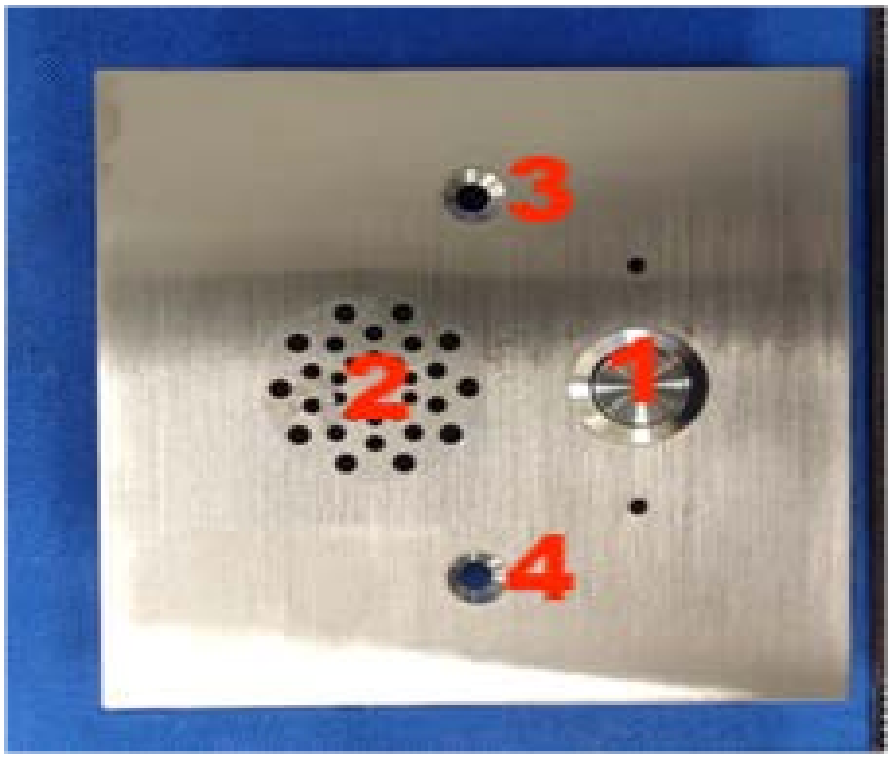
Pass

3. PHOTOGRAPHS

3.1 EUT-whole view



3.2 EUT- IK10 drop shock test points view



3.3 EUT- outside view: no damaged after IK10 test



Note： The front side of the EUT was tested for IK10 drop shock test. This test was performed as manufacturer declared.

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 and such sample(s) are retained for 30 days only.
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.
5. This report cannot be reproduced except in full, without prior written approval of the Company.
6. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
7. For the difference between the tested model and the multiple models, the applicant had provided a statement and promised to be responsible for its authenticity. The laboratory has confirmed the difference of relevant samples before testing.

********End of report ********