Subject: Verification of degrees of protection IK10 provided by the enclosure according to the standards IEC 62262 edition 2002 and NF EN 62262 edition 2004

STID
20 Parc d’activités des Pradeaux
13850 GREASQUE

Equipment under test
- Product: RFID reader
- Trade mark: STID
- Manufacturer: STID
- Model under test: SMA-xx + ANT-UHF2 (SLA-xx SPECTRE)
- Serial number: See paragraph 1

Reception of the equipment: December 20th; 2019
Test date: January 09th, 0219
Test location: LCIE Fontenay-aux-Roses
Composition of the document: 8 pages

Document issued on: February 08th; 2019

Written by: Eric VAGNE
Test technician

Approved by: Jean-Luc SALMON
Technical manager

This document shall not be reproduced, except in full, without the written approval of the LCIE. This document contains results related only to the items tested. It does not imply the conformity of the whole production to the items tested. Unless otherwise specified or rule defined by the test method, the decision of conformity doesn’t take into account the uncertainty of measures. This document doesn’t anticipate any certification decision. The COFRAC accreditation attests the technical capability of the testing laboratory for the only tests covered by the accreditation. If some tests mentioned in this report are carried out outside the framework of COFRAC accreditation, they are indicated by an asterisk (*).
PUBLICATION HISTORY

Each new edition of this test report replaces and cancels the previous edition. The control of the old editions of report is under responsibility of client.

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Author</th>
<th>Modification</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>February 08th, 2019</td>
<td>Eric VAGNE</td>
<td>Creation of document</td>
</tr>
</tbody>
</table>
## TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. EQUIPMENT TESTED</td>
<td>4</td>
</tr>
<tr>
<td>2. TEST FACILITIES AND METROLOGICAL VALIDITY</td>
<td>5</td>
</tr>
<tr>
<td>3. TESTS PROCEDURE AND RESULTS</td>
<td>5</td>
</tr>
<tr>
<td>3.1. Test for the protection against mechanical impacts (IK10)</td>
<td>5</td>
</tr>
<tr>
<td>4. CONCLUSION</td>
<td>5</td>
</tr>
<tr>
<td>Photographs of test (impacts location)</td>
<td>6</td>
</tr>
</tbody>
</table>
1. **EQUIPMENT TESTED**

The test was carried out on the enclosure of one RFID reader provided by STID Company

Photograph & marking plates
2. TEST FACILITIES AND METROLOGICAL VALIDITY

IK10
- Pendulum device : LCIE – D2126010 (Verification at each use).
- Pendulum hammer : LCIE – D2126018 (Next verification on 2020/06).

3. TESTS PROCEDURE AND RESULTS

The equipment, according to the standards IEC 62262 edition 2002 and NF EN 62262 edition 2004, was submitted to the following tests.

3.1. Test for the protection against mechanical impacts (IK10)

The test was carried out according to the clause 6 of quoted standard.

Test specifications
- Energy of impact : 20 J
- Number of impacts : 5 per accessible face
- Impact location : See photographs on pages 7 to 8

Result

No damage, impairing the protection of internal parts and persons, was observed on the equipment.

Satisfactory result

4. CONCLUSION

The equipment, presented on paragraph 1, satisfies the degrees of protection IK10.
Photographs of test (impacts location)

1 impact

2 impacts

1 impact

1 impact

2 impacts

3 impacts