

## **Test Report**

Name of the Customer: **Identive GMBH,**  
Oskar-Messter-Street-13  
85737 Ismaning, Germany.

Scope of Work: As per customer requirements.

Product Type: DVT of CLOUD 2700R

Model Number: DVT of CLOUD 2700R

Sample No: 1548647-3, 1548647-1

Number of sample Tested: Two

Particulars of Tests Conducted: **1.Smart Card Connector Life Time Test  
2. Smart Card Insertion Force Test  
3. Cable Bend Stress Test**

Test dates: 2013-04-08

Report Issue Date: 2013-04-26

Condition of sample on receipt: Good

Sampling Plan: No

Test Results: Refer Annexure A.

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Test Engineer	Authorized signatory
<i>M.Karthikeyan</i>	<i>S.Nandakumar</i>
<b>M. Karthikeyan</b>	<b>S.Nandakumar</b>

## Annexure A

### Results:

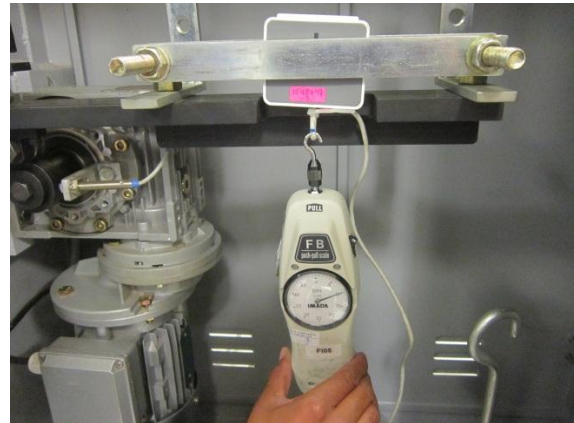
Test No.	Test Name	Results
1	Smart card connector life time test	<b>PASS</b>
2	Smart card insertion force test	<b>PASS</b>
3	Cable bent stress test	<b>PASS</b>

### PHOTOS:

**Sample no: 1548647-1(Smart card connector life time test)**



**Sample no: 1548647-3(Cable bend Stress test)**



## **Annexure B**

### **Test Method and Conditions:**

#### **DVT Test:**

Test Sequence -

- i. Smart Card Connector Life time Test
- ii. Smart Card Insertion Test
- iii. Cable Bend Stress Test

#### **I. Smart Card Connector Life Time Test:**

Sl No.	Test	Requirements	Duration	Severity	Pass (or) Fail
1	Smart card connector life time test	Check functionality after every 5K cycles	12 Days	100K Cycles	<b>PASS</b>

#### **II. Smart Card Insertion Test:**

- Measure smart card insertion and removal force= 12N
- 10 insertions before and after Smart card lifetime test= 12N

#### **III. Cable Bend Stress Test:**

The apply a pull force on the USB cable, 5~10N, bend the cable 90 degree (up, down, left, right directions) exactly at the location where the cable enters into the reader enclosure. The sequence could be repeated for maximum of 20 cycles or stopped when the cable breaks electrical contact.

**Results: PASS**

**Customer Required Plan:**

DESIGN VALIDATION TEST PLAN			
S.no	TEST	REQUIREMENTS	SEVERITY
1	<b>CABLE BEND STRESS TEST</b>	Check functionality after every 20 cycles	20 cycles, 7.5cycles/min
2	<i>Smart Card Connector life time test</i>	Check functionality after every 5K cycles	100K cycles
3	<i>Smart card Insertion force test</i>	Measure smart card insertion and removal force	10 insertions before and after Smart card lifetime test