

Test Report

Verified code:519426

Report No.:H201902183836-01EN-G1

Customer: Fujian Newland Auto-ID Tech.Co.,Ltd.

Address: Newland Science & Technolgy Park, No. 1 Rujiang West Rd. Mawei, Fuzhou, P. R. China

Sample description: TD-LTE Wireless data terminal

Sample model: NLS-NFT10

Reference document: MIL-STD-810G-2014 ENVIRONMENTAL ENGINEERING CONSIDERATIONS AND LABORATORY TESTS

Receive sample date: 2019-02-19

Test date: 2019-02-19

Test result: Meet the requirement

Tested LiYunLiang Inspected ZhangYingzi Approved BobChen

(Engineer) Li Yun liang (Deputy Director) Zhang Yingzi (Deputy Manager) [Signature]

GUANGZHOU GRG METROLOGY & TEST CO., LTD

Issued Date: 2019/2/20

APPROVED(04)

The report is just responsible for the tested sample; The report is not valid without our stamp. The report must not be partially duplicated without our written approval. If there is any objection concerning the report, please inform us within 15 days from the date of receiving the report.

Note: H201902183836-01EN-G1 is a modification of H201902183836-01EN, and the original report H201902183836-01EN is invalid.

GUANGZHOU GRG METROLOGY & TEST CO., LTD

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TEST REPORT

Report No.:H201902183836-01EN-G1

Page 2 Of 7

Test type	<input checked="" type="checkbox"/> Commissioning test <input type="checkbox"/> Routine test <input type="checkbox"/> Approval test <input type="checkbox"/> Type test		
Sample source	<input checked="" type="checkbox"/> Commissioned units send sample <input type="checkbox"/> Sampling		
Sample	Model	Quantity	Test No.
TD-LTE Wireless data terminal	NLS-NFT10	4	H201902183836-0001~ H201902183836-0004
Appearance of sample	Shape: <input checked="" type="checkbox"/> Square <input type="checkbox"/> Round <input type="checkbox"/> Irregular <input type="checkbox"/> Others _____ Color: <input checked="" type="checkbox"/> Monochrome <input type="checkbox"/> Multicolor <input type="checkbox"/> Others _____ Type: <input type="checkbox"/> Mini <input checked="" type="checkbox"/> Small <input type="checkbox"/> Small and medium <input type="checkbox"/> Medium <input type="checkbox"/> Large		
Sample components and accessories	Components: / Accessories: /		
Packing status	<input checked="" type="checkbox"/> Outer Packing <input type="checkbox"/> No packing		
Sample quality before test	<input checked="" type="checkbox"/> Conformity product <input type="checkbox"/> Non-conformity product <input type="checkbox"/> Prototype <input type="checkbox"/> Others		
Abnormal condition of sample before test	/		
Environment condition	Temperature: (24~26) °C Relative humidity: (48~51) %		
Test address	163 Pingyun Rd., West of Huangpu Ave., Guangzhou		

Note 1: Delete the fifth column of Table 1-1.

Note 2: Change 'wood flooring' in Table 1-1 into 'concrete floor'.

Note 3: Change 'H201902183836-0001: 6 corners' in article 1.1.2 into 'H201902183836-0001: 6 faces'.

TEST REPORT

Report No.:H201902183836-01EN-G1

Page 3 Of 7

1. Drop Test

1.1 Test condition

According to the requirements of *MIL-STD-810G-2014(w/CHANGE) Method 516.7 Procedure IV* and Number for H201902183836 testing service orders. Test condition is shown below:

1.1.1 Drop test condition is shown in table 1-1.

1.1.2 Test direction: 26 directions (H201902183836-0001: 6 faces, H201902183836-0002: 6 corners, H201902183836-0003: 2 corners and 5 edges, H201902183836-0004: 7 edges).

1.1.3 Sample state: The EUT in the box.

Table 1-1 Drop test condition

Drop height	Test direction	Drop surface	Drop number
122cm	6 faces, 8 corners, 12 edges	Concrete floor	One time per direction, totally 26 times.

1.2 Sample quantity

Samples information refers to table 1-2.

Table 1-2 Samples information

Sample	Model	Quantity	Test No.
TD-LTE Wireless data terminal	NLS-NFT10	4	H201902183836-0001~ H201902183836-0004

1.3 Test requirements

According to the test items in table 1-3, the final test of the tested samples should be in accordance with the test requirements in table 1-3.

TEST REPORT

Report No.:H201902183836-01EN-G1

Page 4 Of 7

Table 1-3 Test items and requirements

No.	Inspection item	Inspection requirements
1	Appearance inspection	Appearance shall be free from deformation, and damage and fracture, and the display surface shall be free from fracture.
2	Function inspection	Screen click and slide should be normal; Sound playback should be normal; Button function should be normal; The picture quality should be the same as before the test.

1.4 Test result

1.4.1 The final inspection results are accordance with the test requirements in table 1-3. The results of the final inspection are shown in table 1-4.

1.4.2 The EUT passed the drop test.

Table 1-4 Final inspection results of droptest

No.	Inspection item	Inspection requirements	Result	Conclusion
1	Appearance inspection	Appearance shall be free from deformation, and damage and fracture, and the display surface shall be free from fracture.	Normal	Passed
2	Function inspection	Screen click and slide should be normal; Sound playback should be normal; Button function should be normal; The picture quality should be the same as before the test.	Normal	Passed

TEST REPORT

Report No.:H201902183836-01EN-G1

Page 5 Of 7

1.5 Test photos



**FIG. 1-1 Pre-test appearance inspection
H201902183836-0001**



**FIG. 1-2 After test appearance inspection
H201902183836-0001**



**FIG. 1-3 Pre-test appearance inspection
H201902183836-0002**



**FIG. 1-4 After test appearance inspection
H201902183836-0002**



**FIG. 1-5 Pre-test appearance inspection
H201902183836-0003**



**FIG. 1-6 After test appearance inspection
H201902183836-0003**

TEST REPORT

Report No.:H201902183836-01EN-G1

Page 6 Of 7



FIG. 1-7 Pre-test appearance inspection
H201902183836-0004



FIG. 1-8 After test appearance inspection
H201902183836-0004



FIG. 1-9 Installation diagram (face)



FIG. 1-10 Installation diagram (corners)



FIG. 1-11 Installation diagram (edge)



FIG. 1-12 Operation interface

TEST REPORT

Report No.:H201902183836-01EN-G1

Page 7 Of 7

2. Test equipments

No.	Equipment	Serial No.	Due date	Testing item
1	Drop test machine	1303W001	2019-11-07	Drop test

-----End of Report-----