

EMC TEST REPORT

For

ShenZhen ID MIX Innovative Products Co., Ltd

MATE7 mobile power

Model No.: 7000MI

Prepared for : ShenZhen ID MIX Innovative Products Co., Ltd
Address : 3/F, F Building Zhong BO Shang Yi Electronics Information
Industrial Park, HuanCheng East Road 002, Longgang District,
Shenzhen, China

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
Address : 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue,
Bao'an District, Shenzhen, Guangdong, China

Tel : (+86)755-
Fax : (+86)755-
Web :
Mail : web

Date of receipt of test sample : April 25, 2017
Number of tested samples : 1
Serial number : Prototype
Date of Test : April 25, 2017~ April 29, 2017
Date of Report : May 04, 2017



EMC -- TEST REPORT**Test Report No. : LCS****AE**May 04, 2017

Date of issue

Type / Model..... : 7000MI

EUT..... : MATE7 mobile power

Applicant..... : ShenZhen IDMIX Innoviative Products Co., LtdAddress..... : 3/F, F Building Zhong BO Shang Yi Electronics Information
Industrial Park, HuanCheng East Road 002, Longgang District,
Shenzhen, China

Telephone..... : /

Fax..... : /

Manufacturer..... : ShenZhen IDMIX Innoviative Products Co., LtdAddress..... : 3/F, F Building Zhong BO Shang Yi Electronics Information
Industrial Park, HuanCheng East Road 002, Longgang District,
Shenzhen, China

Telephone..... : /

Fax..... : /

Factory..... : ShenZhen IDMIX Innoviative Products Co., LtdAddress..... : 3/F, F Building Zhong BO Shang Yi Electronics Information
Industrial Park, HuanCheng East Road 002, Longgang District,
Shenzhen, China

Telephone..... : /

Fax..... : /

Test Result according to the standards on page 6: **Positive**

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory

Revision History

Revision	Issue Date	Revisions	Revised By
000	May 04, 2017	Initial Issue	Gavin Liang

TABLE OF CONTENT

Test Report Description	Page
1. SUMMARY OF STANDARDS AND RESULTS	6
1.1. Description of Standards and Results	6
1.2. Description of Performance Criteria	7
2. GENERAL INFORMATION	8
2.1. Description of Device (EUT).....	8
2.2. Description of Test Facility	8
2.3. Statement of the measurement uncertainty.....	8
2.4. Measurement Uncertainty	9
3. MEASURING DEVICE AND TEST EQUIPMENT	10
3.1. Radiated Disturbance (Electric Field).....	10
3.2. Electrostatic Discharge	10
3.3. RF Field Strength Susceptibility	10
3.4. Power Frequency Magnetic Field Susceptibility.....	10
4. RADIATED EMISSION MEASUREMENT	11
4.1. Block Diagram of Test Setup.....	11
4.2. Measuring Standard	11
4.3. Radiated Emission Limits	11
4.4. EUT Configuration on Test.....	12
4.5. Operating Condition of EUT	12
4.6. Test Procedure	12
4.7. Test Results.....	12
5. ELECTROSTATIC DISCHARGE IMMUNITY TEST	14
5.1. Block Diagram of Test Setup.....	14
5.2. Test Standard	14
5.3. Severity Levels and Performance Criterion	14
5.4. EUT Configuration on Test.....	14
5.5. Operating Condition of EUT	14
5.6. Test Procedure	15
5.7. Test Results.....	15
6. RF FIELD STRENGTH SUSCEPTIBILITY TEST	17
6.1. Block Diagram of Test.....	17
6.2. Test Standard	17
6.3. Severity Levels and Performance Criterion	17
6.4. EUT Configuration on Test.....	18
6.5. Operating Condition of EUT	18
6.6. Test Procedure	18
6.7. Test Results.....	18
7. MAGNETIC FIELD SUSCEPTIBILITY TEST	20
7.1. Block Diagram of Test Setup.....	20
7.2. Test Standard	20
7.3. Severity Levels and Performance Criterion	20
7.4. EUT Configuration on Test.....	20
7.5. Test Procedure	21
7.6. Test Results.....	21
8. PHOTOGRAPH	23
8.1. Photo of Radiated Measurement	23
8.2. Photo of Electrostatic Discharge Test	23
8.3. Photo of Magnetic Field Immunity Test	24
9. EXTERNAL AND INTERNAL PHOTOS OF THE EUT	25

1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION (EN 55032: 2015)			
Description of Test Item	Standard	Limits	Results
Conducted disturbance at mains terminals	EN 55032: 2015	Class B	N/A
Conducted disturbance at telecommunication port	EN 55032: 2015	Class B	N/A
Radiated disturbance	EN 55032: 2015	Class B	PASS
Harmonic current emissions	EN 61000-3-2: 2014	Class A	N/A
Voltage fluctuations & flicker	EN 61000-3-3: 2013	-----	N/A
IMMUNITY(EN 55024: 2010)			
Description of Test Item	Basic Standard	Performance Criteria	Results
Electrostatic discharge (ESD)	EN 61000-4-2: 2009	B	PASS
Radio-frequency, Continuous radiated disturbance	EN 61000-4-3: 2006+A2: 2010	A	PASS
Electrical fast transient (EFT)	EN 61000-4-4: 2012	B	N/A
Surge (Input a.c. power ports)	EN 61000-4-5: 2014	B	N/A
Surge (Telecommunication ports)		B	N/A
Radio-frequency, Continuous conducted disturbance	EN 61000-4-6: 2014	A	N/A
Power frequency magnetic field	EN 61000-4-8: 2010	A	PASS
Voltage dips, >95% reduction	EN 61000-4-11: 2004	B	N/A
Voltage dips, 30% reduction		B	N/A
Voltage interruptions		C	N/A
N/A is an abbreviation for Not Applicable.			

1.2.Description of Performance Criteria

General Performance Criteria

Examples of functions defined by the manufacturer to be evaluated during testing include, but are not limited to, the following:

- essential operational modes and states;
- tests of all peripheral access (hard disks, floppy disks, printers, keyboard, mouse, etc.);
- quality of software execution;
- quality of data display and transmission;
- quality of speech transmission.

1.2.1.Performance criterion A

The equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed below a performance level specified by the manufacture when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be deliver from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

1.2.2.Performance criterion B

After the test, the equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed, after the application of the phenomena below a performance level specified by the manufacture, when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance.

During the test, degradation of performance is allowed. However, no change of operation state or stored data is allowed to persist after the test.

If the minimum performance level (or the permissible performance loss) is not specified by the manufacturer, then either of these may be deliver from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

1.2.3.Performance criterion C

Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacture's instructions.

Functions, and/or information stored in non-volatile memory, or protected by a battery backup, shall not be loss.

以上内容仅为本文档的试下载部分，为可阅读页数的一半内容。如要下载或阅读全文，请访问：<https://d.book118.com/627130014116006053>