

Test Report

Report No.: MTi190617E052

Date of issue: June. 17, 2019

Sample Description: wireless charger power bank

Model(s):

Applicant:

Address:

Date of Test: June. 06, 2019 to June. 17, 2019

Shenzhen Microtest Co., Ltd.
<http://www.mtitest.com>



This test report is valid for the tested samples only. It cannot be reproduced except in full without prior written consent of Shenzhen Microtest Co., Ltd.

TABALE OF CONTENTS

TABALE OF CONTENTS	2
1. General description	4
1.1 Feature of equipment under test (EUT).....	4
1.2 Testing site	4
2. EN 62311requirement	5
2.1 General information	5
2.2 Limits	5
2.3 Result	6

TEST RESULT CERTIFICATION	
Applicant's name:	
Address:	
Manufacture's Name:	
Address:	
Product name:	wireless charger power bank
Trademark:	N/A
Model name:	
Standards:	EN 62311: 2008

This device described above has been tested by Shenzhen Microtest Co., Ltd. and the test results show that the equipment under test (EUT) is in compliance with the R&TTE requirements. And it is applicable only to the tested sample identified in the report.

Tested by:



Demi Mu

June. 17, 2019

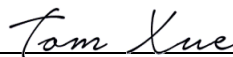
Reviewed by:



Smith Chen

June. 17, 2019

Approved by:



Tom Xue

June. 17, 2019

1. General description

1.1 Feature of equipment under test (EUT)

Product name:	wireless charger power bank
Model name:	
Power source:	DC 5V form AC 230V/50Hz
Battery:	DC 3.7V 8000mAh
Specification:	N/A

1.2 Testing site

Test laboratory:	Shenzhen Microtest Co., Ltd.
Laboratory location:	No.102A & 302A, East Block, Hengfang Industrial Park, Xingye Road, Xixiang, Bao'an District, Shenzhen, Guangdong, China
Telephone:	(86-755)88850135
Fax:	(86-755)88850136

2. EN 62311 requirement

2.1 General information

The essential requirements of Directive 99/5/ec in the article 3.1(a) and the limits must be taken from Council Recommendation 99/519/EC for General Population or from the ICNIRP Guidelines for Occupational Exposure, EN 62311:2008 Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz – 300 GHz).

2.2 Limits

Reference levels for electric, magnetic and electromagnetic fields (0Hz to 300GHz)

Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (μT)	Equivalent plane wave power density S_{eq} (W/m ²)
0-1Hz	-	3.2×10^4	4×10^4	-
1-8Hz	10000	$3.2 \times 10^4 / f^2$	$4 \times 10^4 / f^2$	-
8-25Hz	10000	$4000 / f$	$5000 / f$	-
0.025-0.8kHz	$250 / f$	$4 / f$	$5 / f$	-
0.8-3kHz	$250 / f$	5	6.25	-
3-150kHz	87	5	6.25	-
0.15-1MHz	87	$0.73 / f$	$0.92 / f$	-
1-10MHz	$87 / f^{1/2}$	$0.73 / f$	$0.92 / f$	-
10-400MHz	28	0.073	0.092	2
400-2000MHz	$1.375 f^{1/2}$	$0.037 f^{1/2}$	$0.0046 f^{1/2}$	$f / 200$
2-300GHz	61	0.16	0.2	10

Note:

(1) As indicated in the frequency range column.

(2) For frequencies between 100 kHz and 10GHz, Seq, E2, H2 and B2 are to be averaged over any six-minute period.

(3) For frequencies exceeding 10GHz, Seq, E2, H2 and B2 are to be averaged over any 68/.1.05-minute period (.in GHz).

(4) No E-field value is provided for frequencies <1Hz, which are effectively static electric fields. For most people the annoying perception of surface electric charges will not occur at field strengths less than 20kV/m. Spark discharges causing stress or annoyance should be avoided.

2.3 Result

Mode	Output power e.i.r.p. (dBm)	Output power e.i.r.p. (mW)	Power Density (S) (mW/cm ²)	Limit (S) (mW/cm ²)	Result
Charging mode	-52.04	0.000006	0.000000002	10	Pass

Note:

1. Limit: $10\text{W}/\text{m}^2 = 10000\text{mW}/(100*100\text{cm})^2 = 1\text{mW}/\text{cm}^2$

2. **$S = PG / 4\pi R^2$**

P = Power input to antenna

G = Antenna Gain

R = distance to the center of radiation of antenna (in meter) = 20cm

----END OF REPORT----