

Test Report

Report No.: MTi190702E016

Date of issue: July. 02, 2019

Sample Description: Wireless charger power bank

Model(s):

Applicant:

Address:

Date of Test: June. 21, 2019 to July. 02, 2019

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



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Tel: (86-755) 88850135

Fax: (86-755) 88850136

Web: <http://www.mtitest.com>

E-mail: mti@51mti.com

Address: No.102A & 302A, East Block, Hengfang Industrial Park, Xingye Road, Xixiang, Bao'an District, Shenzhen, Guangdong, China

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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

July. 02, 2019

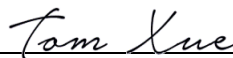
Reviewed by:



Smith Chen

July. 02, 2019

Approved by:



Tom Xue

July. 02, 2019

1. General description

1.1 Feature of equipment under test (EUT)

Product name:	Wireless charger power bank
Model name:	DP84Q
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----