

# Test Report

Report No.: MTi19071515-1E3

Date of issue: Aug. 05, 2019

Sample Description: Bamboo 5W wireless charger

Model(s): P308.45

Applicant:

Address:

Date of Test: July 16, 2019 - Aug. 05, 2019

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



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| TEST RESULT CERTIFICATION |                            |
|---------------------------|----------------------------|
|                           |                            |
| Applicant's name:         |                            |
| Address:                  |                            |
| Manufacture's name:       |                            |
| Address:                  |                            |
|                           |                            |
| Product name:             | Bamboo 5W wireless charger |
| Trademark:                | N/A                        |
| Model name:               | P308.45                    |
| 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 RED requirements. And it is applicable only to the tested sample identified in the report.*

Tested by:

Demi Mu

Aug. 05, 2019

Reviewed by:

Blue Zheng

Aug. 05, 2019

Approved by:

Smith Chen

Aug. 05, 2019



## 1. General description

### 1.1 Feature of equipment under test (EUT)

|                           |                            |
|---------------------------|----------------------------|
| Product name:             | Bamboo 5W wireless charger |
| Model name:               | P308.45                    |
| Serial Model:             | N/A                        |
| Deference in serial model | N/A                        |
| Power source:             | DC 5V from adapter         |
| Adapter information:      | 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 |
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## 2. EN 62311requirement

### 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<br>(V/m) | H-field strength<br>(A/m) | B-field<br>( $\mu$ T) | Equivalent plane<br>wave power<br>density $S_{eq}$<br>(W/m <sup>2</sup> ) |
|-----------------|---------------------------|---------------------------|-----------------------|---------------------------------------------------------------------------|
| 0-1Hz           | -                         | $3.2 \times 10^4$         | $4 \times 10^4$       | -                                                                         |
| 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

| Frequency<br>(KHz) | d(cm) | Max E-field<br>strength (V/m) | E-field strength<br>(V/m) | Result |
|--------------------|-------|-------------------------------|---------------------------|--------|
| 110-205            | 20    | 0.0357                        | 87                        | Pass   |

----END OF REPORT----