

# Health Test Report

Report No.: AGC04094190603EH03

**PRODUCT DESIGNATION** : Bamboo wireless charging speaker  
**BRAND NAME** : N/A  
**MODEL NAME** : P329.17  
**APPLACANT** : Xindao B.V.  
**DATE OF ISSUE** : Jun. 27, 2019  
**STANDARD(S)** : EN 62311:2008  
**REPORT VERSION** : V1.0

Attestation of **Global Compliance**(Shenzhen) Co., Ltd

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Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technial Industrial Park, Gushu,  
Xixiang, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755 2523 4088

E-mail: agc@agc-cert.com

Service Hotline:400 089 2118

**Report Revise Record**

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jun. 27, 2019	Valid	Initial release



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## 1. TEST REPORT CERTIFICATION

<b>Applicant</b>	Xindao B.V.
<b>Address</b>	P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands
<b>manufacturer</b>	Xindao B.V.
<b>Address</b>	P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands
<b>Factory</b>	Xindao B.V.
<b>Address</b>	P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands
<b>Product Designation</b>	Bamboo wireless charging speaker
<b>Brand Name</b>	N/A
<b>Test Model</b>	P329.17
<b>Date of test</b>	Jun. 12, 2019 to Jun. 27, 2019
<b>Deviation</b>	None
<b>Condition of Test Sample</b>	Normal
<b>Test Result</b>	Pass
<b>Report Template</b>	AGCRT-EC-EMC

We, Attestation of Global Compliance (Shenzhen) Co., Ltd. for compliance with the requirements set forth in the European Standard EN 62311. The results of testing in this report apply to the product/system which was tested only.

Tested By



Sky Dong(Dong Huihui) Jun. 27, 2019

Reviewed By



Max Zhang(Zhang Yi) Jun. 27, 2019

Approved By



Forrest Lei(Lei Yonggang)  
Authorized Officer Jun. 27, 2019



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## 2. GENERAL INFORMATION

### 2.1. DESCRIPTION OF EUT

Details of technical specification refer to the description in follows:

<b>Operating Frequency(BT)</b>	2.402 GHz to 2.480GHz
<b>Number of channels(BT)</b>	79 channels
<b>Bluetooth Version(BT)</b>	V5.0
<b>Modulation(BT)</b>	GFSK, $\pi/4$ -DQPSK
<b>Antenna Type(BT)</b>	PCB Antenna
<b>Antenna Gain(BT)</b>	-0.58dBi
<b>Operating Frequency(WPT)</b>	110-205KHz
<b>Modulation(WPT)</b>	FSK
<b>Antenna Type(WPT)</b>	Coil Antenna
<b>Antenna Gain(WPT)</b>	0dBi
<b>Hardware Version</b>	HA-652 VD
<b>Software Version</b>	V1.0
<b>Power Supply</b>	DC 3.7V by battery

**NOTE:**1. For more information, please refer to User's Manual.



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### 3. TEST SETUP

#### 3.1 STANDARD APPLICABLE

According to EN 62311:2008, Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz – 300 GHz).

#### Annex F Measurement of E and H field

A commonly used probe size is 100 cm<sup>2</sup>, also the contribution of the three axes X, Y and Z can be evaluated separately.

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

Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (μT)	Equivalent plane wave power density S <sub>eq</sub> (W/m <sup>2</sup> )
0-1 Hz	—	$3,2 \times 10^4$	$4 \times 10^4$	—
1-8 Hz	10 000	$3,2 \times 10^4/f^2$	$4 \times 10^4/f^2$	—
8-25 Hz	10 000	$4\,000/f$	$5\,000/f$	—
0,025-0,8 kHz	$250/f$	$4/f$	$5/f$	—
0,8-3 kHz	$250/f$	5	6,25	—
3-150 kHz	87	5	6,25	—
0,15-1 MHz	87	$0,73/f$	$0,92/f$	—
1-10 MHz	$87/f^{1/2}$	$0,73/f$	$0,92/f$	—
10-400 MHz	28	0,073	0,092	2
400-2 000 MHz	$1,375\ f^{1/2}$	$0,0037\ f^{1/2}$	$0,0046\ f^{1/2}$	$f/200$
2-300 GHz	61	0,16	0,20	10



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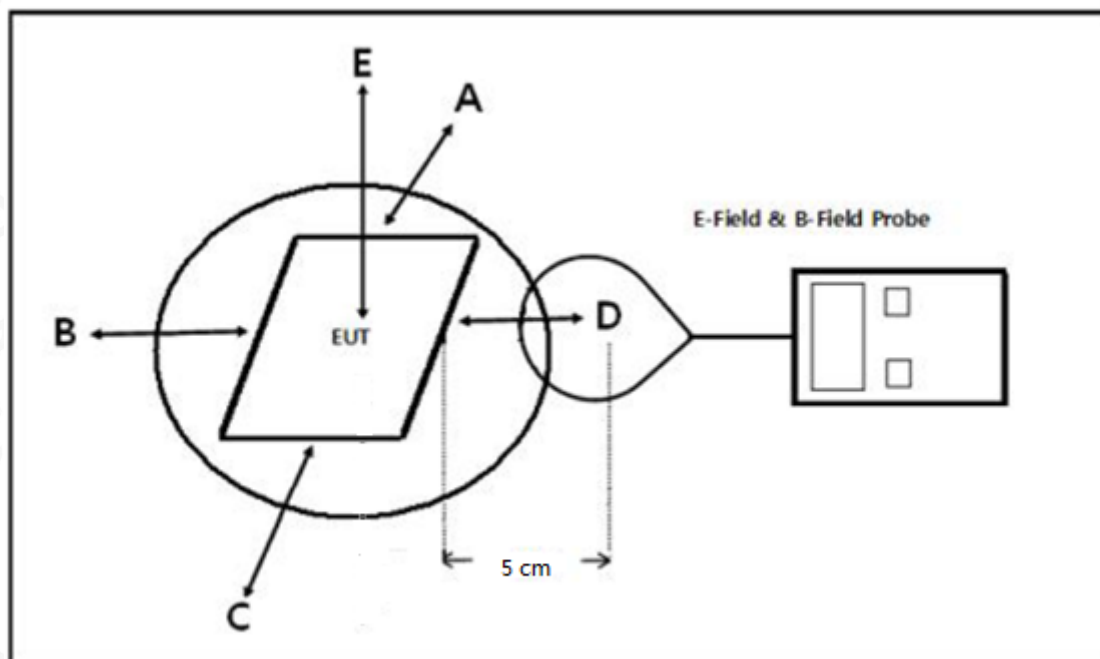
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### 3.2 EVALUATION METHODS

#### Measurement of E and H field

A commonly used probe size is  $100\text{ cm}^2$ , also the contribution of the three axes X, Y and Z can be evaluated separately.



Note: Position A: Front of EUT; Position B: Left of EUT; Position C: back of EUT; Position D: Right of EUT; Position E: Top of EUT

Based on the above standard limit, any device with output power below  $5\text{ A/m}$  cannot produce an exposure exceeding this restriction under the most pessimistic exposure conditions.

### 3.3 EVALUATION RESULTS

Frequency	Maximum Radiated H-Field at 5cm		Limit	Result
MHz	A/m		A/m	Pass/Fail
110-205kHz	position E	0.039	4.76	Pass
	position A	0.018		
	position B	0.019		
	position C	0.017		
	position D	0.018		

Since Radiated H-Field at worse case is 0.0039A/m which cannot exceed the exempt condition, 5A/m. It is deemed to full fit the requirement of RF exposure basic restriction specified in EC Council Recommendation (1999/519/EC).



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