

Health Test Report

Report No.: AGC04094190602EH03

PRODUCT DESIGNATION : TWS earbuds in wireless chargingcase
BRAND NAME : N/A
MODEL NAME : P329.12
APPLACANT : Xindao B.V.
DATE OF ISSUE : Jun, 26, 2019
STANDARD(S) : EN 62311:2008
REPORT VERSION : V1.0

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

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Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jun. 26, 2019	Valid	Initial release



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1. TEST REPORT CERTIFICATION

Applicant	Xindao B.V.
Address	P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands
manufacturer	Xindao B.V.
Address	P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands
Factory	Xindao B.V.
Address	P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands
Product Designation	TWS earbuds in wireless chargingcase
Brand Name	N/A
Test Model	P329.12
Date of test	Jun, 12, 2019 to Jun, 26, 2019
Deviation	None
Condition of Test Sample	Normal
Test Result	Pass
Report Template	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. 26, 2019

Reviewed By



Max Zhang(Zhang Yi) Jun. 26, 2019

Approved By



Forrest Lei(Lei Yonggang)
Authorized Officer Jun. 26, 2019



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2. GENERAL INFORMATION

2.1. DESCRIPTION OF EUT

Details of technical specification refer to the description in follows:

Operating Frequency(BT)	2.402 GHz to 2.480GHz
Number of channels(BT)	79 channels
Bluetooth Version(BT)	V4.2
Modulation(BT)	GFSK, $\pi/4$ -DQPSK
Antenna Type(BT)	PCB Antenna
Antenna Gain(BT)	-5.8dBi
Operating Frequency(WPT)	110-205KHz
Modulation(WPT)	ASK
Antenna Type(WPT)	Coil Antenna
Antenna Gain(WPT)	0dBi
Hardware Version	V1.1
Software Version	V1.0
Power Supply	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 cm², 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 _{eq} (W/m ²)
0-1 Hz	—	$3,2 \times 10^4$	4×10^4	—
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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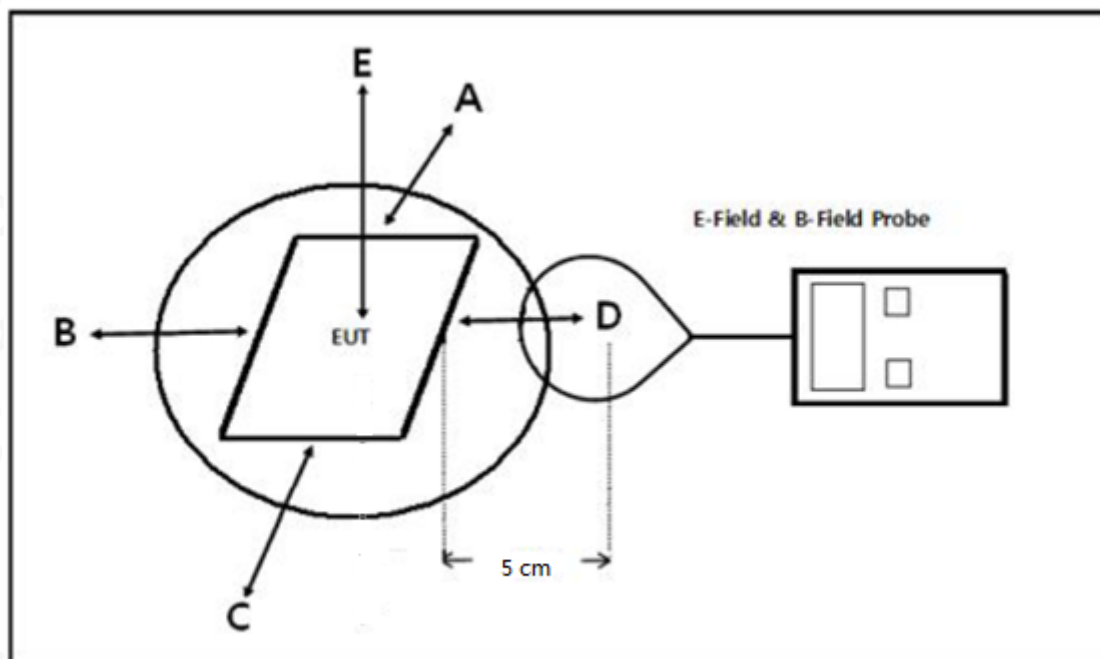
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3.2 EVALUATION METHODS

Measurement of E and H field

A commonly used probe size is 100 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 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	0.038	4.76	Pass
	position A	0.015		
	position B	0.015		
	position C	0.015		
	position D	0.015		

Since Radiated H-Field at worse case is 0.0038A/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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