



Microtest
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Test Report

Report No.: MTi220613003-09E3

Date of issue: 2022-07-15

Applicant:

Product name: RGB Bluetooth speaker

Model(s): P329.46

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





Instructions

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TEST RESULT CERTIFICATION	
Applicant's name:	
Address :	
Manufacturer's Name:	
Address :	
Factory's Name :	
Address :	
Product description	
Product name..... :	RGB Bluetooth speaker
Trademark	N/A
Model Name	P329.46
Serial Model.....	
Standards..... :	EN 62479:2010 EN 50663: 2017
Date of Test	
Date (s) of performance of tests... :	2022-07-05 ~ 2022-07-15
Test Result..... :	Pass

Testing Engineer

:

David. Lee

(David Lee)

Technical Manager

:

Leon Chen

(Leon Chen)

Authorized Signatory

:

Tom Xue

(Tom Xue)



1. General description

1.1 Feature of equipment under test (EUT)

Product name:	RGB Bluetooth speaker
Model name:	P329.46
Series model:	EBS-1208B
Difference in series models:	All the models are the same circuit and module, except the model name.
TX/RX frequency range:	2402MHz~2480MHz
Bluetooth version:	V5.1
Modulation type:	GFSK, $\pi/4$ -DQPSK
Power source:	Input: DC 5V
Battery:	DC 3.7V 1200mAh 4.44Wh
Adapter information:	USB-A to USB-C Cable 50cm
Antenna designation:	PCB antenna (Antenna Gain: -1.2dBi)
Hardware version	NYL-65E-L16-V2.0
Software version	ac696n_soundbox_sdk_v1.2.3



2. Testing site

Test laboratory:	Shenzhen Microtest Co., Ltd.
Laboratory location:	101, No. 7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China.
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3. EN 62479 requirement

3.1 General information

EN 62479: 2010 Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz).

Compliance of electromagnetic emissions from electronic and electrical equipment with the basic restrictions usually is determined by measurements and, in some cases, calculation of the exposure level. If the electrical power used by or radiated by the equipment is sufficiently low, the electromagnetic fields emitted will be incapable of producing exposures that exceed the basic restrictions. This standard provides simple EMF assessment procedures for this low power equipment.

Four routes described as follows, can be used to demonstrate compliance with this standard:

A Typical usage, installation and the physical characteristics of equipment make it inherently compliant with the applicable EMF exposure levels such as those listed in the bibliography. This low-power equipment includes unintentional (or non-intentional) radiators, for example incandescent light bulbs and audio/visual (A/V) equipment, information technology equipment (ITE) and multimedia equipment (MME) that does not contain radio transmitters.

NOTE Equipment is described as A/V equipment, ITE or MME if its main use is playback/recording of music, voice or images, or processing of digital information.

B The input power level to electrical or electronic components that are capable of radiating electromagnetic energy in the relevant frequency range is so low that the available antenna power and/or the average total radiated power cannot exceed the low-power exclusion level (P_{\max}).

C The available antenna power and/or the average total radiated power are limited by product standards for transmitters to levels below the low-power exclusion level (P_{\max}).

D Measurements or calculations show that the available antenna power and/or the average total radiated power are below the low-power exclusion level (P_{\max}).



3.2 Limits

Low-power exclusion level (P_{\max}):

Low-power electronic and electrical equipment is deemed to comply with the provisions of this standard if it can be demonstrated using routes B, C or D that the available antenna power and/or the average total radiated power is less than or equal to the applicable low-power exclusion level P_{\max} .

Guideline / Standard	SAR limit, SAR_{\max} W/kg	Averaging mass, m g	P_{\max}	Exposure tier	Region of body
IEEE Std C95.1-2005	2	10	20	Action level	Body except extremities and pinnae
	4	10	40	Action level	Extremities and pinnae
	10	10	100	Controlled environment	Body except extremities and pinnae
	20	10	200	Controlled environment	Extremities and pinnae

3.3 Result

The Maximum EIRP of this EUT is **for BT: 0.61mW (-2.16dBm)**, the power is below the low-power exclusion level 20mW, so we can suppose the EUT cannot produce exposures that exceed the restriction limit.

----END OF REPORT----