

RED-Health Test Report

Client Name : Shenzhen Welldy Technology Co., Ltd

Address : 4F,C Block Yili Technology Park,Guanhu Street,Longhua District ,Shenzhen

Product Name : Bluetooth Speaker

Date : Nov. 16, 2021

Shenzhen Anbotech Compliance Laboratory Limited



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TEST REPORT

Applicant : Shenzhen Welldy Technology Co., Ltd
Manufacturer : Shenzhen Welldy Technology Co., Ltd
Product Name : Bluetooth Speaker
Model No. : OZ-E200ML
Trade Mark : N.A.
Rating(s) : Input: DC 5V, 1A(with DC 3.7 V, 2200 mAh battery inside)

Test Standard(s) : EN 50663: 2017; EN 62479: 2010

The device described above is tested by Shenzhen Anbotech Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. This report shows the EUT to be technically compliant with the EN 62479: 2010 and EN 50663: 2017 requirements. The test results are contained in this report and Shenzhen Anbotech Compliance Laboratory Limited is assumed full responsibility for the accuracy and completeness of these tests.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotech Compliance Laboratory Limited.

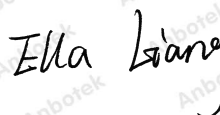
Date of Receipt

Oct. 30, 2021

Date of Test

Oct. 30~Nov. 09, 2021

Prepared By



(Ella Liang)

Approved & Authorized Signer



(Kingkong Jin)

1. General Information

1.1. Client Information

Applicant	:	Shenzhen Welldy Technology Co., Ltd
Address	:	4F,C Block Yili Technology Park,Guanhu Street,Longhua District ,Shenzhen
Manufacturer	:	Shenzhen Welldy Technology Co., Ltd
Address	:	4F,C Block Yili Technology Park,Guanhu Street,Longhua District ,Shenzhen
Factory	:	Shenzhen Welldy Technology Co., Ltd
Address	:	4F,C Block Yili Technology Park,Guanhu Street,Longhua District ,Shenzhen

1.2. Description of Device (EUT)

Product Name	:	Bluetooth Speaker
Model No.	:	OZ-E200ML
Trade Mark	:	N.A.
Test Power Supply	:	DC 3.7V Battery inside
Test Sample No.	:	1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Product Description	Operation Frequency:	2402~2480MHz
	Number of Channel:	79 Channels
	Modulation Type:	GFSK, $\pi/4$ -DQPSK, 8DPSK
	Antenna Type:	PCB antenna
	Antenna Gain(Peak):	0dBi (Provided by customer)
	Max. Transmitting Power:	-0.80 dBm Max.
	Adapter:	N/A
Remark: 1) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.		



1.3. Auxiliary Equipment Used During Test

N/A	:	
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1.4. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC-Registration No.: 184111

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 184111.

ISED-Registration No.: 8058A

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102

1.5. Measurement Uncertainty

Parameter	Uncertainty
Occupied Channel Bandwidth	±5 %
RF output power, conducted	±1,5 dB
Power Spectral Density, conducted	±3 dB
Unwanted Emissions, conducted	±3 dB
All emissions, radiated	±6 dB
Temperature	±1 °C
Humidity	±5 %
DC and low frequency voltages	±3 %
Time	±5 %
Duty Cycle	±5 %



2. General Product Information

2.1. Product Function and Intended Use

The submitted sample is wireless transceiver includes transmitter and receiver.

2.2. Ratings and System Detail

Transmitter		
Frequency Range	:	2402MHz~2480MHz
Power Supply	:	DC 3.7V Battery inside

3. EN 50663 Requirement

3.1. General Description of Applied Standards

This European Standard provides simple conformity assessment methods for low-power electronic and electrical equipment operating at frequencies between 10 MHz and 300 GHz to an electromagnetic field (EMF) exposure limit. If such equipment cannot be shown to comply with the applicable EMF exposure requirements using the exposure assessment methods in this standard, then other EMF product standards may be used for conformity assessment

3.2. Human exposure to the Electromagnetic fields

This International Standard provides simple conformity assessment methods for low-power electronic and electrical equipment to an exposure limit relevant to electromagnetic fields (EMF). If such equipment cannot be shown to comply with the applicable EMF exposure requirements using the methods included in this standard for EMF assessment, then other standards, including IEC 62311 or other (EMF) product standards, may be used for conformity assessment.

3.3. RF Exposure Evaluation

3.3.1. Limit:

Equipment complying with the requirements for the general public is deemed to comply with the requirements for workers without further testing.

The conformity assessment to demonstrate equipment compliance shall be made according to EN62479:2010,4.1 and Clause 6.

If routes B,C or D of 4.1 of EN62479: 2010 are followed then the values of P_{max} as described in 4.2 of EN62479:2010 and given in Annex A of EN62479:2010, shall be replaced by those in Table 1 below.

Table 1 — Values of P_{max}

Exposure tier	Region of body	P_{max} (mW)
General public	Head and trunk	20
	Limbs	40
Workers	Head and trunk	100
	Limbs	200

$P_{max} = 20 \text{ mW}$ (13.1dBm) according to ICNIRP guidelines, since the EUT is General public used.

Remark:

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 defined in EN 62479 clause 4.2

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 defined in EN 62479 clause 4.2

D: Measurements or calculations show that the available antenna power and/or the average total radiated power are below the low-power exclusion level defined in EN 62479 clauses 4s.2.

3.3.2. Test result

The EIRP of the EUT which are below the max permitted sending level of 20 mW, and then the EUT is not need to conduct SAR measurement. More details please refer to 18220WC10241304W.

----- End of Report -----

