

RED-Health Test Report

For

Bluetooth Speaker

Model No.: A103, A104, A105, A106, A107, A108, A109mini

Prepared For :

Address :

Prepared By : Shenzhen Anbotek Compliance Laboratory Limited

Address : 1/F, Building D, Sogood Science and Technology Park, Sanwei

community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong,

China.518102

Tel: (86) 755-26066440 Fax: (86) 755-26014772

Report Number : SZAWW180412001-03H

Date of Test : Apr. 12~19, 2018

Date of Report : Apr. 19, 2018



CONTENTS

CONTENTS		bore	You.	2
1. GENERAL INFORMATION	Anbu	h. hotek	Anbore	4
1.1. Client Information		V.	Moter	4
1.2. Description of Device (EUT)	hote	Aup		4
1.3. Auxiliary Equipment Used During Test	• • • • • • • • • • • • • • • • • • • •	10 K		4
1.4 Description of Test Facility		•••••	10.	5
1.5 Measurement Uncertainty		Potes. Vi		5
2. GENERAL PRODUCT INFORMATION	Yup.	rek.	Anbore.	6
2.1 Product Function and Intended Use	Anbore	$V_{U_{r}}$	botek	6
2.2 Ratings and System Detail	otek.	Aupo,	N. A.	6
3. EN 62479 REQUIREMENT	Au.	botek	Anbo	 7
3.1 General Description of Applied Standards	ter William		ek Anbore	7
3.2 Human exposure to the Electromagnetic fields	00k	Ye. Aug		7
3.3 RF Exposure Evaluation	10.	Velk	oore Am	7



TEST REPORT

Applicant :

Manufacturer :

Product Name : Bluetooth Speaker

Model No. : A103, A104, A105, A106, A107, A108, A109mini

Trade Mark : N.A.

Rating(s) : Input: DC 5V, 500mA (with DC 3.7V, 530mAh Battery inside)

Test Standard(s) EN 62479:2010

The device described above is tested by Shenzhen Anbotek 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 requirements. The test results are contained in this report and Shenzhen Anbotek 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 Anbotek Compliance Laboratory Limited.

Date of Test



Apr. 12~19, 2018

Prepared By

(Tested Engineer / Winkey Wang)

Winken Wang

Reviewer

(Project Manager / May Lu)

Approved & Authorized Signer

(Manager / Tom Chen)





1. General Information

1.1. Client Information

Applicant	ek :	P			*upor	Andotek	Anbotek
Address	botek:	-0/0	VUS	4.0.4	-hot	An nbotek	Anbote.
Manufacturer	Anbolek	~00	VIII	*61	Anbo	* Vupotek	Anbote
Address	ANDO	KSK ~			*64. **	otek Anbot	ak Anbo

1.2. Description of Device (EUT)

Product Name	Bluetooth Speaker	
Model No.	A103, A104, A105, A106, A107 (Note: All samples are the same only.)	, A108, A109mini except the name, so we prepare "A103" for test
Trade Mark	N.A. Anbotes And	Anbotek Anbote Andrew
Test Power Supply	DC 3.7V Battery inside	tek Anbotek Anbotek
inboten Anbo	Operation Frequency:	2402~2480MHz
Anboten Anbo	Transfer Rate:	1/2/3 Mbits/s
Anbote Anti-	Number of Channel:	79 Channels
Product Description	Modulation Type:	GFSK, π/4-DQPSK, 8-DPSK
Aupore A	Antenna Type:	PCB Antenna
nbotek Anbotek	Antenna Gain(Peak):	0 dBi
Anbotek Anbo	Max. Transmitting Power:	-0.11 dBm Max.

Remark: 1) For a more detailed features description, please refer to the manufacturer's specifications or the

1.3. Auxiliary Equipment Used During Test

N/A	AND	, , ,					
IV/A	hoter	AUDO					



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 registed 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, July 31, 2017.

ISED-Registration No.: 8058A-1

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-1, June 13, 2016.

Test Location

All Emissions tests were performed at 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 (1)	±5 %
DC and low frequency voltages	±3 %
Time ex Anbotek Anbote	±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

Anbotes And	otek	wo-	Transmitter	191	hotel	Ando
Frequency Range	Polek			2402~2480MHz	Anboten	Anbe
Power Supply	VLP : OFFI		D	C 3.7V Battery ins	ide mboter	Aupo



3. EN 62479 REQUIREMENT

3.1 General Description of Applied Standards

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).

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:

According to EN 62479 clause 4.2 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 Pmax.

P max = 20 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 4.2.

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 SZAWW180412001-04W.

Anbotek	A ^r	d of Po	port	nbotek	
	ter -	u oi Ke	:port	Anbote	,K