

RF Exposure Evaluation Report

Application No.: BTEK231228002AE
Applicant: SHENZHEN KINGSUN ENTERPRISES Co., Ltd.
Address of Applicant: 25F, CEC information Building Xinwen Road, Futian District, Shenzhen, China
Manufacturer: CHANCO ELECTRONICS FACTORY
Address of Manufacturer: No.27, Jinnan Street, Shatou Village, Chang'an Town, Dongguan
Factory: CHANCO ELECTRONICS FACTORY
Address of Factory: No.27, Jinnan Street, Shatou Village, Chang'an Town, Dongguan
Equipment Under Test (EUT):
EUT Name: AirVibes Boost Wireless Headphone
Model No.: V50023BT, V50023BT-WHTBLU, V50023BT-WHTRG, V50023BT-WHTSIL, V50023BT-WHTGLD, V50023BT-BLKGRY
Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Trade Mark: NA
Standard(s) : 47 CFR Part 2 Subpart J Section 2.1093
Date of Receipt: 2023-12-28
Date of Test: 2023-12-28 to 2024-01-03
Date of Issue: 2024-01-03

Test Result:

Pass*

* In the configuration tested, the EUT complied with the standards specified above.



Damon Su

EMC Laboratory Manager

ShenZhen BANTEK Testing Co.,Ltd.

Add : A5&A6, Building B1&B2, No.45 Gangtuo Road, Bogang Community, Shajing Street

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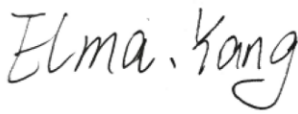
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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2024-01-03		Original

Authorized for issue by:				
				
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3 General Information

3.1 Details of E.U.T.

Power supply:	DC 3.7V 200mAh from lithium-ion battery and recharged by DC 5V 1A.
Cable(s):	/
For BT	
Frequency Range:	2402MHz to 2480MHz
Bluetooth Version:	Bluetooth 5.0
Spectrum Spread Technology:	Frequency Hopping Spread Spectrum (FHSS)
Hopping Channel Type:	Adaptive Frequency Hopping systems
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK
Number of Channels:	79
Sample Type:	Portable device
Antenna Type:	PCB Antenna
Antenna Gain:	-0.58dBi
Hardware Version	P9B-AB05B_V1.0
Software and Firmware Version	P9B_05F_Airvibes Boost
For BLE	
Frequency Range:	2402MHz to 2480MHz
Bluetooth Version:	Bluetooth 5.0
Modulation Type:	GFSK
Number of Channels:	40
Sample Type:	Portable device
Antenna Type:	PCB Antenna
Antenna Gain:	-0.58dBi
Hardware Version	P9B-AB05B_V1.0
Software and Firmware Version	P9B_05F_Airvibes Boost
Sample No.:	BTEK231228002AE-01
Remark: The information in this section is provided by the applicant or manufacturer, BANTEK is not liable to the accuracy, suitability, reliability or/and integrity of the information.	

Note: E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

Declaration of EUT Family Grouping:

Model No.: V50023BT, V50023BT-WHTBLU, V50023BT-WHTRG, V50023BT-WHTSIL, V50023BT-WHTGLD, V50023BT-BLKGRY

Only the model V50023BT was tested. According to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions of other models are identical for the above models, with only difference on model No., and colour.



3.2 Description of Support Units

The EUT has been tested as an independent unit.

3.3 Test Location

All tests were performed at:

Shenzhen BANTEK Testing Co., Ltd.

A5&A6, Building B1&B2, No.45 Gangtou Road, Bogang Community, Shajing Street, Bao'an District, Shenzhen, Guangdong, China 518104

Tel:0755-2334 4200 Fax: 0755-2334 4200

FCC Registration Number: 264293

Designation Number: CN1356

No tests were sub-contracted.

3.4 Deviation from Standards

None

3.5 Abnormalities from Standard Conditions

None



4 Test Requirement

KDB447498 D01 General RF Exposure Guidance v06, Clause 4.3.1(a)

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$

Where

-f(GHz) is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

4.1 Assessment Result

Passed

Not Applicable

Type	Frequency (MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Calculating data	Limit	Result
BT-EDR	2441	-1.74	-1	0.25	3.0	Pass
BLE	2440	-4.50	-4	0.12	3.0	Pass

Note: The exposure evaluation safety distance is 5mm.

