

FCC Test Report

Applicant's name : Guangzhou Youxijia Xinxikeji Youxiangongsi

Address : Tianhequ Tianhelu 490Hao 33Ceng 3305FangB148 Guangzhoushi China

Manufacture's Name : Foshan Tongxin Electronic Technology Co., Ltd.

Address : 2nd Floor, No. 28, Gongye 3rd Road, Leliu Community, Leliu Street, Shunde District, Foshan City, Guangdong Province 528322

Product description

Trader mark : N/A

Product Name: : Bluetooth headphones

Model and/or type reference : YS4B

Serial Model : YB1 (For other models, please refer to page two.)

Rating(s) : DC 5V

Standards : FCC 47CFR §2.1093
KDB 447498 D01 General RF Exposure Guidance v06

FCC ID : 2BVL5-YS4B

The EUT described above has been tested by us with the listed standards and found in compliance with the FCC requirements. It is possible to use FCC marking to demonstrate the compliance with this FCC requirements.

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Date of Test

Date (s) of performance of tests : 2026-03-18 ~ 2026-04-21

Date of Issue : 2026-04-21

Test Result : **Pass**

Prepared by:



Project Engineer

Reviewed by:



Project Supervisor

Approved by:



Technical Director

Other models: YB1,YB2,YB3,YB4,YB5,YB6,YB7,YB8,YB9,YB10,YB11,YB12,YB13,YB14,YB15,
YB16,YB17,YB18,YB19,YB20,YB21,YB22,YB23,YB24,YB25,YB26,YB27,YB28,YB29,
YB30,YB31,YB32,YB33,YB34,YB35,YB36,YB37,YB38,YB39,YB40,YO1,YO2,YO3,YO4,
YO5,YO6,YO7,YO8,YO9,YO10,YO11,YO12,YO13,YO14,YO15,YO16,YO17,YO18,YO19,
YO20,YO21,YO22,YO23,YO24,YO25,YO26,YO27,YO28,YO29,YO30





REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	2026-04-21	Valid	Initial Release



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1. TEST SUMMARY

No.	Test Item	Basic Standard	Result
1	Radiofrequency radiation exposure evaluation: portable devices	FCC 47CFR § 2.1093	PASS

2. TEST FACILITY

Shenzhen VOP Testing Technology Co., Ltd.

Add:103, Building 5, Wanyan Industrial Park Qiaotou Community, Fuhai Street, Baoan District Shenzhen, Guangdong
People's Republic of China

FCC:Designation Number:CN1438,Certificate Number: 7579.01

2.1. Deviation from Standard

None

2.2. Abnormalities from Standard Conditions

None

3. GENERAL INFORMATION

3.1. General Description of EUT

Manufacturer:	Foshan Tongxin Electronic Technology Co., Ltd.
Manufacturer Address:	2nd Floor, No. 28, Gongye 3rd Road, Leliu Community, Leliu Street, Shunde District, Foshan City, Guangdong Province 528322
EUT Name:	Bluetooth headphones
Model No:	YS4B
Serial Model:	YB1,YB2,YB3,YB4,YB5,YB6,YB7,YB8,YB9,YB10,YB11,YB12,YB13,YB14,YB15, YB16,YB17,YB18,YB19,YB20,YB21,YB22,YB23,YB24,YB25,YB26,YB27,YB28, YB29,YB30,YB31,YB32,YB33,YB34,YB35,YB36,YB37,YB38,YB39,YB40,YO1,YO2, YO3,YO4,YO5,YO6,YO7,YO8,YO9,YO10,YO11,YO12,YO13,YO14,YO15,YO16, YO17,YO18,YO19,YO20,YO21,YO22,YO23,YO24,YO25,YO26,YO27,YO28,YO29, YO30
Brand Name:	N/A
Difference Description:	All models are identical to each other except for model name and appearance.

3.2. EUT Test Mode

TM1	TX Mode
Note:All above mode have been measurement, only worst data was reported.	

3.3. Auxiliary Equipment Used During Test

No.	Equipment	Manufacturer	Model No.	Serial No.	Remark
1	N/A	N/A	N/A	N/A	N/A

4. TEST RESULTS

4.1. Radiofrequency radiation exposure evaluation: portable devices

Test Requirement:	CFR 47 Part 2.1093																																																																																						
Test Limit:	Approximate SAR Test Exclusion Power Thresholds at Selected Frequencies and Test Separation Distances are illustrated in the following Table.																																																																																						
	<table><tr><td>MHz</td><td>5</td><td>10</td><td>15</td><td>20</td><td>25</td><td>mm</td></tr><tr><td>150</td><td>39</td><td>77</td><td>116</td><td>155</td><td>194</td><td rowspan="13">SAR Test Exclusion Threshold (mW)</td></tr><tr><td>300</td><td>27</td><td>55</td><td>82</td><td>110</td><td>137</td></tr><tr><td>450</td><td>22</td><td>45</td><td>67</td><td>89</td><td>112</td></tr><tr><td>835</td><td>16</td><td>33</td><td>49</td><td>66</td><td>82</td></tr><tr><td>900</td><td>16</td><td>32</td><td>47</td><td>63</td><td>79</td></tr><tr><td>1500</td><td>12</td><td>24</td><td>37</td><td>49</td><td>61</td></tr><tr><td>1900</td><td>11</td><td>22</td><td>33</td><td>44</td><td>54</td></tr><tr><td>2450</td><td>10</td><td>19</td><td>29</td><td>38</td><td>48</td></tr><tr><td>3600</td><td>8</td><td>16</td><td>24</td><td>32</td><td>40</td></tr><tr><td>5200</td><td>7</td><td>13</td><td>20</td><td>26</td><td>33</td></tr><tr><td>5400</td><td>6</td><td>13</td><td>19</td><td>26</td><td>32</td></tr><tr><td>5800</td><td>6</td><td>12</td><td>19</td><td>25</td><td>31</td></tr></table>							MHz	5	10	15	20	25	mm	150	39	77	116	155	194	SAR Test Exclusion Threshold (mW)	300	27	55	82	110	137	450	22	45	67	89	112	835	16	33	49	66	82	900	16	32	47	63	79	1500	12	24	37	49	61	1900	11	22	33	44	54	2450	10	19	29	38	48	3600	8	16	24	32	40	5200	7	13	20	26	33	5400	6	13	19	26	32	5800	6	12	19	25	31
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<p>The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:</p> <p>$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where } f(\text{GHz}) \text{ is the RF channel transmit frequency in GHz.}$</p> <p>Power and distance are rounded to the nearest mW and mm before calculation</p> <p>The result is rounded to one decimal place for comparison</p> <p>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 is applied to determine</p>																																																																																							

SAR test exclusion.

4.1.1. Conclusion:

Maximum measured transmitter power.

BT The Worst Case

Mode	frequency	Maximum PK Output Power	Tune up tolerance	Max Tune up
	GHz	<u>dBm</u>	<u>dBm</u>	<u>dBm</u>
GFSK	2.480	-11.32	± 1	-10.32
$\pi/4$ -DQPSK	2.480	-10.60	± 1	-9.60
8DPSK	2.480	-10.20	± 1	-9.20

Remark: The worst case gain of the antenna is 2.67dBi.

2.67dBi logarithmic terms convert to numeric result is nearly 1.84.

Maximum Tune up Power₍₂₄₈₀₎= 0.172mW

Maximum Tune up Power₍₂₄₈₀₎= 0.203mW

Maximum Tune up Power₍₂₄₈₀₎= 0.222mW

$[(\text{GFSK power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] = 0.172/5 \cdot \sqrt{2.480} = 0.054 \leq 3.0$

$[(\pi/4\text{-DQPSK power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] = 0.203/5 \cdot \sqrt{2.480} = 0.064 \leq 3.0$

$[(8\text{DPSK power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] = 0.222/5 \cdot \sqrt{2.480} = 0.070 \leq 3.0$

Threshold at which no SAR required is $0.054 \leq 3.0$ for 1-g SAR, Separation distance $\leq 5\text{mm}$.

Threshold at which no SAR required is $0.064 \leq 3.0$ for 1-g SAR, Separation distance $\leq 5\text{mm}$.

Threshold at which no SAR required is $0.070 \leq 3.0$ for 1-g SAR, Separation distance $\leq 5\text{mm}$.

****End of the report****