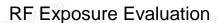


Address



# WAHYEE TECHNOLOGY (SHENZHEN) CO., LTD.

# Bone conductive headphones

Test Model: WY518

Additional Model No.: Please Refer to Page 6

Prepared for WAHYEE TECHNOLOGY (SHENZHEN) CO., LTD.

Address Room 1102, Bldg 11, No.3 of Pingan Rd., Pinghu, 518115,

Longgang, Shenzhen, China

Prepared by Shenzhen LCS Compliance Testing Laboratory Ltd.

101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei,

Report No.: LCSA06275099EC

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Mail webmaster@LCS-cert.com

Date of receipt of test sample June 30, 2025

Number of tested samples 2

Sample No. A250627013-1, A250627013-2

Serial number Prototype

Date of Test June 30, 2025 ~ July 04, 2025

Date of Report July 07, 2025





Page 2 of 9 FCC ID:2BQLZ-WY518 Report No.: LCSA06275099EC

RF Exposure Evaluation

Report Reference No. .....: LCSA06275099EC

Date of Issue.....: July 07, 2025

Testing Laboratory Name .....: Shenzhen LCS Compliance Testing Laboratory Ltd.

101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei,

Shajing Street, Baoan District, Shenzhen, 518000, China

Full application of Harmonised standards

Applicant's Name.....: WAHYEE TECHNOLOGY (SHENZHEN) CO., LTD.

Room 1102, Bldg 11, No.3 of Pingan Rd., Pinghu, 518115,

Longgang, Shenzhen, China

**Test Specification** 

: FCC KDB publication 447498 D01 General RF Exposure Guidance

v06

Standard ...... FCC CFR 47 part1 1.1310

FCC CFR 47 part2 2.1093

Test Report Form No.....: TRF-4-E-215 A/0

TRF Originator.....: Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF..... : Dated 2011-03

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Test Item Description.....: Bone conductive headphones

Trade Mark .....: N/A
Test Model .....: WY518

Ratings.....: Please Refer to Page 6

Result .....: PASS

Compiled by:

fack liu

Supervised by:

Approved by:

Jack Liu/Administrator

Cary Luo/ Technique principal

Gavin Liang/ Manager





FCC ID:2BQLZ-WY518



# **RF Exposure Evaluation**

Report No.: LCSA06275099EC

Test Report No.: LCSA06275099EC July 07, 2025

Date of issue

Test Model.....: WY518

EUT...... : Bone conductive headphones

Applicant.....: : WAHYEE TECHNOLOGY (SHENZHEN) CO., LTD.

Address.....: Room 1102, Bldg 11, No.3 of Pingan Rd., Pinghu,

518115, Longgang, Shenzhen, China

Telephone..... : /
Fax..... : /

Manufacturer.....: : Dongguan Haimingshun Electronics Technology

Co.,Ltd

Tangxia, Dongguan, China 523725

Telephone....::

Fax....:

Factory.....: : Dongguan Haimingshun Electronics Technology

Co.,Ltd

Tangxia, Dongguan, China 523725

Telephone.....: : / Fax.....: : /

Test Result PASS

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.





FCC ID:2BQLZ-WY518



# **Revision History**

	VEAISIO	ii nistory	
Report Version	Issue Date	Revision Content	Revised By
000 July 07, 2025		Initial Issue	

LCS Testing Lab

TET 工活检测股份 LCS Testing Lab NS 立洲检测股份 LCS Testing Lab

Report No.: LCSA06275099EC

正式形检测股份 LCS Testing Lab

NST 立语检测股份 LCS Testing Lab

上 立语检测度的 LCS Testing Lab IST 立语检测股份 Los Testing Lab

LCS Testing Lab

15年 立语检测股份

上 立流检测股份 LCS Tosting Lab

LCS Testing Lab

IST LCS Testing Lab

上 立洲股份 LCS Testing Lab 医 立语检测股切 LCS Testing Lab







Report No.: LCSA06275099EC

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文语检测度份 LCS Testing Lab

























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# 1. Product Information

Product name : Bone conductive headphones

Test Model : WY518

Additional Model No. : WY5, WY6, WY7

Model Declaration : PCB board, structure and internal of these model(s) are the same,

So no additional models were tested

Power Supply : Input: 5V==200mAh

Battery: 3.7V===200mAh

Hardware Version : V01 Software Version V07

Bluetooth : 2402MHz ~ 2480MHz

Channel Number : 79 channels for Bluetooth V5.3(DSS)

40 channels for Bluetooth V5.3 (DTS)

Channel Spacing : 1MHz for Bluetooth V5.3 (DSS)

2MHz for Bluetooth V5.3 (DTS)

Modulation Type : GFSK, π/4-DQPSK, 8-DPSK for Bluetooth V5.3(DSS)

GFSK for Bluetooth V5.3 (DTS)

Bluetooth Version : V5.3

Antenna Description : Internal Antenna, -0.79dBi(Max.)

Exposure category : General population/uncontrolled environment

EUT Type : Production Unit Device Type : Portable Device

Note: For a more detailed antenna description, please refer to the antenna specifications or the antenna report provided by the customer.

#### 2. Evaluation method and Limit

According to KDB447498 D01 General RF Exposure Guidance v06 Section 4.3.1 Standalone SAR test exclusion considerations: "Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Test Exclusion Threshold condition, listed below, is satisfied. These test exclusion conditions are based on source-based time-averaged maximum conducted output power of the RF channel requiring evaluation, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions.22 The minimum test separation distance is determined by the smallest distance from the antenna and radiating structures or outer surface of the device, according to the host form factor, exposure conditions and platform requirements, to any part of the body or extremity of a user or bystander (see 5) of section 4.1). To qualify for SAR test exclusion, the test separation distances applied must be fully explained and justified by the operating configurations and exposure conditions of the transmitter and applicable host platform requirements, typically in the SAR measurement or SAR analysis report, according to the required published RF exposure KDB procedures. When no other RF exposure testing or reporting is required, a statement of justification and compliance must be included in the equipment approval, in lieu of the SAR report, to qualify for the SAR test exclusion. When required, the device specific conditions described in the other published RF exposure KDB procedures must be satisfied before applying these SAR test exclusion provisions; for example, handheld PTT two-way radios, handsets, laptops & tablets etc."

[(max. power of channel, including tune-up tolerance, mW)/ (min. test separation distance, mm)]  $\cdot$  [ $\sqrt{f}$  (GHz)]  $\leq$  3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR, 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 result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

  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 f) in section 4.1 is applied to determine SAR test exclusion.

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When one of the following test exclusion conditions is satisfied for all combinations of simultaneous transmission configurations, further equipment approval is not required to incorporate transmitter modules in host devices that operate in the mixed mobile and portable host platform exposure conditions. The grantee is responsible for documenting this according to Class I permissive change requirements. Antennas that qualify for standalone SAR test exclusion must apply the estimated standalone SAR to determine simultaneous transmission test exclusion.

a) The [ $\sum$  of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance) / 1.6 W/kg] + [ $\sum$  of MPE ratios] is  $\leq$  1.0.

b) The SAR to peak location separation ratios of all simultaneously transmitting antenna pairs operating in portable device exposure conditions are all  $\leq$  0.04, and the [ $\sum$  of MPE ratios] is  $\leq$ 

# 3. Refer Evaluation Method

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ANSI C95.1–1999: IEEE Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz.

FCC KDB publication 447498 D01 General RF Exposure Guidance v06: Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies.

FCC CFR 47 part1 1.1310: Radiofrequency radiation exposure limits.

FCC CFR 47 part2 2.1093: Radiofrequency radiation exposure evaluation: portable devices

#### 4. Conducted Power Results

BT

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
	0	2402	-0.92
GFSK	39	2441	-0.65
	78	2480	-1.75
	0	2402	1.01
π/4DQPSK	39	2441	1.21
可语物测	78	2480	0.06
LCS Testi	0	2402	1.39
8DPSK	39	2441	1.62
	78	2480	0.43

#### BT LE

Mode	Channel	Frequency (MHz)	Peak Conducted Output Power (dBm)
	0	2402	0.76
BLE 1M	19	2440	0.71
会到服务分	39	2480	-0.16



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# 5. Manufacturing Tolerance

acturing Tolerance	立语检测股份	T 工工工活检测股					
	GFSK	(Peak)					
Channel	Channel 0	Channel 39	Channel 78				
Target (dBm)	0	0	-1.0				
Tolerance ±(dB)	1.0	1.0	1.0				
π/4DQPSK (Peak)							
Channel	Channel 0	Channel 39	Channel 78				
Target (dBm)	1.0	1.0	0				
Tolerance ±(dB)	1.0	1.0	1.0				
8DPSK (Peak)							
Channel	Channel 0	Channel 39	Channel 78				
Target (dBm)	1.0	1.0	0				
Tolerance ±(dB)	1.0	1.0	1.0				

### <BLE >

	GFSK	(Peak)		
Channel	Channel 0	Channel 19	Channel 39	
Target (dBm) 0		0	0	
Tolerance ±(dB) 1.0		1.0	1.0	
sting Lab	ST LCS Testing Law	LCS Testing	151	

#### 6. Evaluation Results

### 6.1 Standalone Evaluation

Donal/Mada		f	Antenna	RF output power		SAR Test	SAR Test Exclusion
Ban	Band/Mode		(GHz) Distance (mm)		mW	Exclusion Threshold	
	GFSK	2.441	5	1.0	1.2589	0.3934< 3.0	Yes
ВТ	π/4DQPSK	2.441	5	2.0	1.5849	0.4952< 3.0	Yes
- 40	8DPSK	2.441	5	2.0	1.5849	0.4952< 3.0	Yes
BLE	GFSK	2.480	5	1.0	1.2589	0.3965< 3.0	Yes

# Remark:

- 1. Output power including tune up tolerance;
- 2. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to f) in section
- 4.1 is applied to determine SAR test exclusion.

# 6.2 Simultaneous Transmission for SAR Exclusion

The sample support one BT modular. No need consider simultaneous transmission.

# 7. Conclusion

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.





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# 8. Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Test Firm Registration Number: 254912.

### 9. Measurement Uncertainty

Irement Uncel BT/BLE:	rtaint	y	检测股份	。
Test Item		Frequency Range	Uncertainty	Note
Output power	:	1GHz-40GHz	±0.57dB	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

.....THE END OF REPORT.....





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