



## HEALTH TEST REPORT

For

DongGuan Kemi Electronics Technology Co., Ltd

Bluetooth headset

Test Model: X6

Additional Model No.: X17, WEINTRAOS32G

Prepared for : DongGuan Kemi Electronics Technology Co., Ltd  
Address : Room 201, Floor 2, Building 4, Taixing Science Park, No.3,  
Taixing Road, Shigu, Tangxia Town, Dongguan city, China

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.  
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Date of receipt of test sample : June 06, 2023  
Number of tested samples : 2  
Serial number : Prototype  
Date of Test : June 06, 2023 ~ June 12, 2023  
Date of Report : June 13, 2023



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**HEALTH TEST REPORT**  
**EN 62479: 2010 & EN 50663: 2017**

Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz - 300 GHz)

**sReport Reference No. .... : LCSA060523058EC**

Date of Issue ..... : June 13, 2023

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

Address..... : Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

Full application of Harmonised standards ☒Testing Location/ Procedure ..... : Partial application of Harmonised standards ☐Other standard testing method ☐**Applicant's Name ..... : DongGuan Kemi Electronics Technology Co., Ltd**

Address..... : Room 201, Floor 2, Building 4, Taixing Science Park, No.3, Taixing Road, Shigu, Tangxia Town, Dongguan city, China

**Test Specification**

Standard ..... : EN 62479: 2010

: EN 50663: 2017

Test Report Form No. .... : LCSEMC-1.0

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

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

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**Test Item Description. .... : Bluetooth headset**

Trade Mark ..... : N/A

Test Model ..... : X6

Ratings ..... : Input: 5V $\frac{1}{2}$ 0.18ABattery: 3.7V $\frac{1}{2}$ 230mAh**Result ..... : Positive****Compiled by:**

Vera Deng/ Administrator

**Supervised by:**

Cary Luo/ Technique principal

**Approved by:**

Gavin Liang/ Manager



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## HEALTH --TEST REPORT

**Test Report No. : LCSA060523058EC**June 13, 2023  
Date of issue

Test Model ..... : X6

EUT..... : Bluetooth headset

**Applicant..... : DongGuan Kemi Electronics Technology Co., Ltd**Address..... : Room 201, Floor 2, Building 4, Taixing Science Park, No.3,  
Taixing Road, Shigu, Tangxia Town, Dongguan city, China

Telephone..... : /

Fax..... : /

**Manufacturer..... : DongGuan Kemi Electronics Technology Co., Ltd**Address..... : Room 201, Floor 2, Building 4, Taixing Science Park, No.3,  
Taixing Road, Shigu, Tangxia Town, Dongguan city, China

Telephone..... : /

Fax..... : /

**Factory..... : /**

Address..... : /

Telephone..... : /

Fax..... : /

**Test Result****Positive**

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.



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Revision History

Report Version	Issue Date	Revision Content	Revised By
000	June 13, 2023	Initial Issue	--





## 1. GENERAL INFORMATION

### 1.1. Product Description for Equipment Under Test (EUT)

EUT	: Bluetooth headset
Test Model	: X6
Additional Model No.	: X17, WEINTRAOS32G
Model Declaration	: PCB board, structure and internal of these model(s) are the same, So no additional models were tested
Power Supply	: Input: 5V $\overline{\text{---}}$ 0.18A Battery: 3.7V $\overline{\text{---}}$ 230mAh
Hardware Version	: /
Software Version	: /
Bluetooth	:
Frequency Range	: 2402MHz~2480MHz
Channel Number	: 79 channels for Bluetooth V5.0 (BDR/EDR)
Channel Spacing	: 1MHz for Bluetooth V5.0 (BDR/EDR)
Modulation Type	: GFSK, $\pi/4$ -DQPSK, 8-DPSK for Bluetooth V5.0 (BDR/EDR)
Bluetooth Version	: V5.0
Antenna Description	: Ceramics Antenna, -0.68dBi(Max.)



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## 1.2. Objective

According to its specifications, the EUT must comply with the requirements of the following standards:

EN 62479: 2010 – Assessment of compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz - 300 GHz)

EN 50663: 2017 – Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz - 300 GHz)

## 1.3. Test Methodology

All measurements contained in this report were conducted with EN 62479: 2010 and EN 50663: 2017.

## 1.4. Facilities

All measurement facilities used to collect the measurement data are located at Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China .

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

## 1.5. Support Equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN TIANYIN ELECTRONICS CO., LTD	Power Adapter	TPA-46050200 UU	--	CE

Note: Auxiliary equipment is provided by the laboratory.

## 1.6. External I/O Cable

I/O Port Description	Quantity	Cable
Power Port	1	N/A



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## 1.7. Equipment

Radiated emissions are measured with one or more of the following types of linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements. Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

## 1.8. Laboratory Accreditations And Listings

Site  
Description

EMC Lab. : NVLAP Accreditation Code is 600167-0.  
FCC Designation Number is CN5024.  
CAB identifier is CN0071.  
CNAS Registration Number is L4595.

Name of Firm : Shenzhen LCS Compliance Testing Laboratory Ltd.

Site Location : Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

## 1.9. Measurement Uncertainty

Test Item	Uncertainty
Radio Frequency	$0.9 \times 10^{-4}$
Total RF Power, Conducted	1.0 dB
RF Power Density, Conducted	1.8 dB
Spurious Emissions, Conducted	1.8 dB
All Emissions, Radiated	3.1 dB
Temperature	0.5°C
Humidity	1 %
DC And Low Frequency Voltages	1 %



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## 2. HUMAN EXPOSURE TO THE ELECTROMAGNETIC FIELDS

### 2.1 Test Methodology

#### 2.1.1. General description of applied standards

According to its specifications, the EUT must comply with the requirements of the following standards:

EN 62479- 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)

EN 50663- Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz - 300 GHz).

#### 2.1.2. Description of test modes

The EUT has been tested under its typical operating condition. Pre-defined engineering program for regulatory testing used to control the EUT for staying in continuous transmitting and receiving mode is programmed.

### 2.2 Test limit

If the average power emitted by apparatus operating in the frequency range 10 MHz – 300GHz is less than or equal to 20 mW and the transmitting peak power is less than 20 W then the apparatus is deemed to comply with the basic restrictions without testing.



### 2.3 Test Results

Since Max. output power for Bluetooth is 1.16mW (0.65dBm According to radio test report LCSA060523058EB) less than 20mW specified in EN 62479 and EN 50663. This unit will not generate the harmful EM emission above the reference level as specified in EC Council Recommendation (1999/519/EC).

The unit complies with the EN 62479 and EN 50663 for RF exposure requirement.

No non-compliance noted.

-----THE END OF TEST REPORT-----



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