

## HEALTH TEST REPORT

For

Bluetooth headset

Test Model: Q2

Prepared for :

Address :

Prepared by : Shenzhen SIT Testing Technology Co., Ltd.

Address : 4th Floor, Co-talent Creative Park, Liuxian Road, Baoan 68  
District, Shenzhen

Date of receipt of test sample : Apr.18, 2017

Number of tested samples : 1

Serial number : Prototype

Date of Test : Apr.18, 2017 - Apr.26, 2017

Date of Report : Apr.26, 2017



**HEALTH TEST REPORT****EN 62479: 2010**

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).

**Report Reference No. .... : SIT170418058HR**

Date of Issue ..... : Apr.26, 2017

**Testing Laboratory Name ..... : Shenzhen SIT Testing Technology Co., Ltd.**Address ..... : 4th Floor, Co-talent Creative Park, Liuxian Road,  
Baoan 68 District, ShenzhenTesting Location/ Procedure ..... : Full application of Harmonised standards ☒  
Partial application of Harmonised standards ☐  
Other standard testing method ☐**Applicant's Name..... :**

Address..... :

**Test Specification**

Standard ..... : EN 62479: 2010

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

TRF Originator ..... : Shenzhen SIT Testing Technology Co., Ltd.

Master TRF ..... : Dated 2016-04


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

Trade Mark ..... : N/A

Model/ Type Reference ..... : Q2

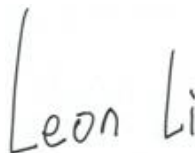
Ratings ..... : Input: 5V  500mA**Result ..... : Positive**

Tested By:



Tom / Test Engineer

Reviewed By:



Leon Li / Project Engineer

Approved By:



Kevin Sun /Manage

**HEALTH -- TEST REPORT****Test Report No. : SIT170418058HR**Apr.26, 2017  
Date of issue

Test Model..... : Q2

EUT..... : Bluetooth headset

**Applicant..... :**

Address..... :

Telephone..... : /

Fax..... : /

**Manufacturer..... :**

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.

## Revision History

Revision	Issue Date	Revisions	Revised By
00	Apr.26, 2017	Initial Issue	Kevin Sun

## 1. GENERAL INFORMATION

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

EUT	: Bluetooth headset
Test Model	: Q2
Power Supply	: Input: 5V $\overline{\text{---}}$ 500mA
Hardware Version	: -----
Software Version	: -----
Bluetooth	:
Frequency Range	: 2.402-2.480GHz
Channel Number	: 79 channels
Channel Spacing	: 1MHz
Modulation Type	: GFSK, 8DPSK, Pi/4 QPSK
Bluetooth Version	: 4.2
Antenna Description	: PCB Antenna, 0.5dBi(Max.)

### Objective

According to its specifications, the EUT must comply with the requirements of the following standards:  
EN 62479: 2010 –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).

### Test Methodology

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

**Support equipment List**

Manufacturer	Description	Model	Serial Number	Certificate
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**External I/O**

I/O Port Description	Quantity	Cable
DC IN	1	N/A

**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."

**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	5 %
DC and low frequency voltages	3 %
Time	5 %
Duty Cycle	5 %

## 2. HUMAN EXPOSURE TO THE ELECTROMAGNETIC FIELDS

### Test Methodology

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).

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.

### 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.

### Test Results

Since Max. output power for Bluetooth is 1.29mW (1.11dBm According to radio test report SIT1606020163E ) less than 20mW specified in EN 62479. 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 for RF exposure requirement.

No non-compliance noted.

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