



RF Exposure

Measurement and Test Report For

**Shenzhen WeizhongXin Technology Co., Ltd
Bluetooth watches**

Applicant : Shenzhen WeizhongXin Technology Co., Ltd

**Address : A415, Building 2, Huaqiang North SEG Science
and Technology Park, Futian District, Shenzhen**

Product Name : Bluetooth watches

Brand Name : N/A

Model No : GT55

Standards : EN 62479:2010

Report No : MTL24041622204E02

**Date of
Receipt sample : 2024-04-10**

Date of Test : 2024-04-10 to 2024-04-17

Date of Issue : 2024-04-17

Test Result : PASS

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

TEST REPORT DECLARATION

Applicant : Shenzhen WeizhongXin Technology Co., Ltd
Manufacturer : Shenzhen WeizhongXin Technology Co., Ltd
EUT Description : Bluetooth watches

- (A) **Model No.** : GT55
- (B) **Serial No.** : GT55pro,GT56,GT56pro,GT95,GT96,GT95pro,GT96pro,GT58,GT59
- (C) **Power Supply** : 5V \equiv

Test Procedure Used:
EN 62479:2010

The devices described above have been tested by **Shenzhen MTL Testing Technology Co., Ltd** to determine the maximum emission levels emanating from the device, the severe levels that the device can endure and EUT'S performance criterion. The test results are contained in this test report. **Shenzhen MTL Testing Technology Co., Ltd.** is assumed of full responsibility for the accuracy and completeness of these tests.

This report applies to above tested sample only and shall not be reproduced in part without written approval of **Shenzhen MTL Testing Technology Co., Ltd.**

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1.2 Compliance Standards

The tests were performed according to 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).

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product maybe which result in lowering the emission/immunity should be checked to ensure compliance has been maintained

1.3 Test Methodology

All measurements contained in this report were conducted with EN 62479, The equipment under test (EUT) was configured to measure its highest possible emission level. For more detail refer to the Operating Instructions.



2. RF EXPOSURE BASIC RESTRICTIONS

2.1 Standard Applicable

According to 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).

Low-power exclusion level P_{\max} based on considerations of SAR

When SAR is the basic restriction, a conservative minimum value for P_{\max} can be derived, equal to the localized SAR limit (SAR_{\max}) multiplied by the averaging mass (m):

$$P_{\max} = SAR_{\max} m \quad (A.1)$$

Example values of P_{\max} according to Equation (A.1) are provided in Table A.1 for cases described by the ICNIRP guidelines [1], IEEE Std C95.1-1999 [2] and IEEE Std C95.1-2005 [3] where SAR limits are defined. Other exposure guidelines or standards may be applicable depending on national regulations.

Table A.1 – Example values of SAR-based P_{\max} for some cases described by ICNIRP, IEEE Std C95.1-1999 and IEEE Std C95.1-2005

Guideline / Standard	SAR limit, SAR_{\max} W/kg	Averaging mass, m g	P_{\max} mW	Exposure tier ^a	Region of body ^a
ICNIRP [1]	2	10	20	General public	Head and trunk
	4	10	40	General public	Limbs
	10	10	100	Occupational	Head and trunk
	20	10	200	Occupational	Limbs
IEEE Std C95.1-1999 [2]	1,6	1	1,6	Uncontrolled environment	Head, trunk, arms, legs
	4	10	40	Uncontrolled environment	Hands, wrists, feet and ankles
	8	1	8	Controlled environment	Head, trunk, arms, legs
	20	10	200	Controlled environment	Hands, wrists, feet and ankles
IEEE Std C95.1-2005 [3]	2	10	20	Action level	Body except extremities and pinnae
	4	10	40	Action level	Extremities and pinnae
	10	10	100	Controlled environment	Body except extremities and pinnae
	20	10	200	Controlled environment	Extremities and pinnae

^a Consult the appropriate standard for more information and definitions of terms.



2.2 Evaluation Methods

Based on the above standard limit, the basic restriction at frequency between 10MHz to 300GHz is on localized SAR in the head. Any device with output power below 20mW cannot produce an exposure exceeding this restriction under the most pessimistic exposure conditions.

The basic restriction is 2W/Kg for general public device, so any unit which supplies less than 20mW from it's antenna port, averaged over 6 minutes, will meet the basic restriction.

2.3 Evaluation Results

Maximum Average Output Power

Modulation/ Frequency (MHz)	ERP/EIRP dBm	ERP/EIRP mW	Limit mW	Result Pass/Fail
GFSK	4.29	2.6853	20	Pass
Pi/4 DQPSK	4.19	2.6242	20	Pass
8DPSK	4.33	2.7102	20	Pass

Since average output power at worse case is: 2.7102 mW which cannot exceed the exempt condition, 20mW specified in EN 62479. It is deemed to full fit the requirement of RF exposure basic restriction specified in EC Council Recommendation (1999/519/EC).



FIGURE 1



FIGURE 2



FIGURE 3



FIGURE 4



FIGURE 5

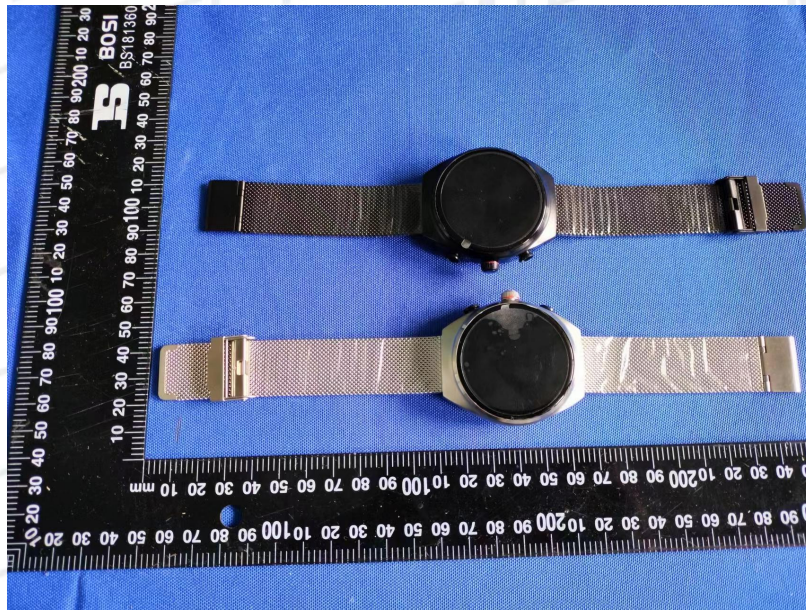


FIGURE 6



FIGURE 7



FIGURE 8

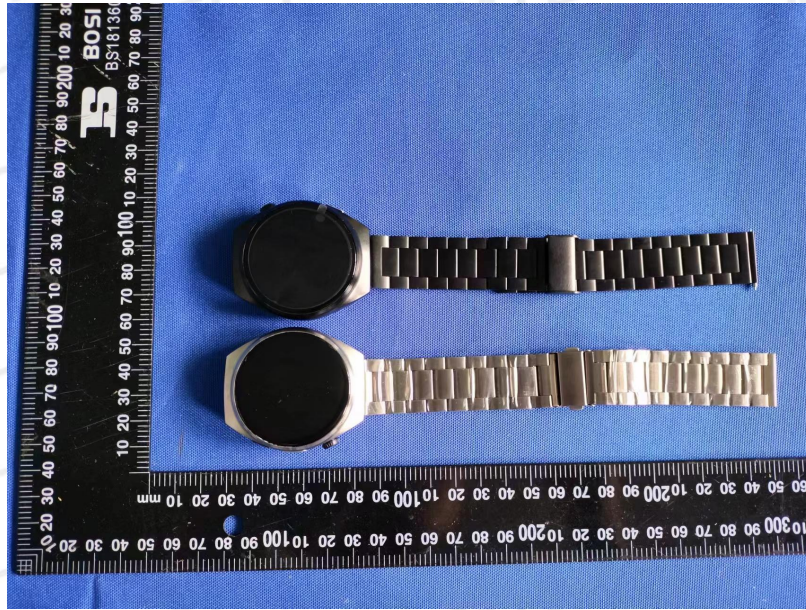


FIGURE 9

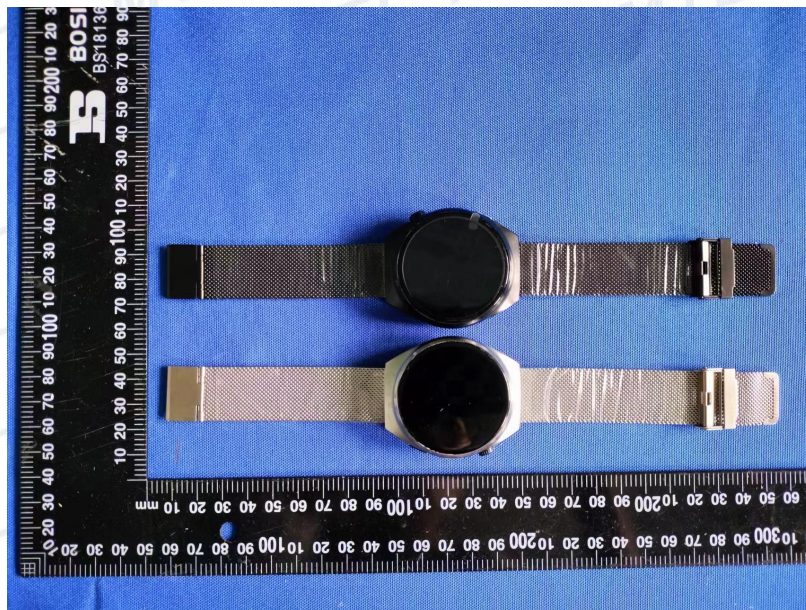


FIGURE 10

End of Report