



Shenzhen CTL Testing Technology Co., Ltd.  
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# TEST REPORT

EN 62479: 2010

Report Reference No. ....: CTL1905103101-WH

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Product Name.....: Smart Watch & Smart Bracelet SN70

Model/Type reference .....: SN70

List Model(s).....: TM-STARK, SN59, SN71, SN72, SN80, SN81, SN82, SN83,  
SN86, SN88, SN89

Trade Mark.....: Decade

Applicant's name .....: Decade Smart Technology Co., Ltd

Address of applicant .....: Floor 3th, Building 5th, Haomai Hi-Tech Park, Huating Road,  
Dalang Zone, Longhua District, Shenzhen, China.

Test Firm .....: Shenzhen CTL Testing Technology Co., Ltd.

Address of Test Firm .....: Floor 1-A, Baisha Technology Park, No.3011, Shahexi Road,  
Nanshan District, Shenzhen, China 518055

Test specification.....:

Standard.....: EN 62479: 2010

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

Master TRF.....: Dated 2011-01

Date of receipt of test item.....: May 25, 2019

Date of sampling.....: May 25, 2019

Date of Test Date.....: May 25, 2019–Jul. 02, 2019

Data of Issue.....: Jul. 02, 2019

Result.....: Pass

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# TEST REPORT

<b>Test Report No. :</b>	<b>CTL1905103101-WH</b>	Jul. 02, 2019
		Date of issue

Equipment under Test : Smart Watch & Smart Bracelet SN70

Model /Type : SN70

Listed Models : TM-STARK, SN59, SN71, SN72, SN80, SN81, SN82, SN83, SN86, SN88, SN89

**Applicant** : **Decade Smart Technology Co., Ltd**

Address : Floor 3th, Building 5th, Haomai Hi-Tech Park, Huating Road, Dalang Zone, Longhua District, Shenzhen, China.

**Manufacturer** : **Decade Smart Technology Co., Ltd**

Address : Floor 3th, Building 5th, Haomai Hi-Tech Park, Huating Road, Dalang Zone, Longhua District, Shenzhen, China.

The test results presented in this report relate only to the object tested.

This report shall not be reproduced, except in full, without the written approval of the issuing testing laboratory.



# Contents

<b>1</b>	<b>GENERAL INFORMATION</b> .....	<b>5</b>
1.1	ENVIRONMENTAL CONDITIONS .....	5
1.2	PRODUCT DESCRIPTION .....	5
1.3	TEST FACILITY .....	6
<b>2</b>	<b>METHOD OF MEASUREMENT</b> .....	<b>7</b>

# 1 GENGNERAL INFORMATION

## 1.1 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature:	25°C -35°C
Relative Humidity:	35%-55 %
Air Pressure:	101 KPa

## 1.2 Product Description

Product Name:	Smart Watch & Smart Bracelet SN70
Model/Type reference:	SN70
Power supply:	DC 3.7V from battery
<b>Bluetooth:</b>	
Supported type:	Supported Bluetooth low Energy
Modulation:	GFSK
Operation frequency:	2402MHz to 2480MHz
Channel number:	40
Channel separation:	2 MHz
Antenna type:	Internal Antenna
Antenna gain:	0dBi

Note: For more details, refer to the user's manual of the EUT.

## 1.3 Test Facility

### 1.3.1 Address of the test laboratory

Shenzhen CTL Testing Technology Co., Ltd.

Floor 1-A, Baisha Technology Park, No. 3011, Shahexi Road, Nanshan, Shenzhen 518055 China

There is one 3m semi-anechoic chamber and two line conducted labs for final test. The Test Sites meet the requirements in documents ANSI C63.4 and CISPR 32/EN 55032 requirements.

### 1.3.2 Laboratory accreditation

The test facility is recognized, certified, or accredited by the following organizations:

#### **CNAS-Lab Code: L7497**

Shenzhen CTL Testing Technology Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories.

#### **A2LA-Lab Cert. No. 4343.01**

Shenzhen CTL Testing Technology Co., Ltd, EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

#### **IC Registration No.: 9518B**

#### **CAB identifier: CN0041**

The 3m alternate test site of Shenzhen CTL Testing Technology Co., Ltd. EMC Laboratory has been registered by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements with Registration No.: 9518B on Jan. 22, 2019.

#### **FCC-Registration No.: 399832**

#### **Designation No.: CN1216**

Shenzhen CTL Testing Technology Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 399832, December 08, 2017.

## 2 METHOD OF MEASUREMENT

### Applicable Standard

EN62479: 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)

### Limit

20mW (According to the table A.1)

**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 <sup>a</sup>	Region of body <sup>a</sup>
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

<sup>a</sup> Consult the appropriate standard for more information and definitions of terms.

### Test result

According to the test report No.: CTL1905103101-WR the power against the limit as follow:

Mode	Modulation Type	Channel (MHz)	EIRP (dBm)	Output power (mW)	Limit (mW)	Results
Bluetooth	GFSK	2402	-0.23	0.95	20	Pass
		2440	0.35	1.08		
		2480	0.30	1.07		

\*\*\*\*\*THE END\*\*\*\*\*