



## EMF ASSESSMENT REPORT

EN 62479:2010

Report Reference No.....: TZ181200486-EMF

Compiled by

( position+printed name+signature)...: File administrators Anna Hu

Supervised by

( position+printed name+signature)...: Technique principal Hugo Chen

Approved by

( position+printed name+signature)...: Manager Andy Zhang

Date of issue.....: 2018/12/14

Testing Laboratory Name .....: Shenzhen Tongzhou Testing Co.,Ltd

Address.....: 1th Floor, Building 1, Haomai High-tech Park, Huating Road 387,  
Dalang Street, Longhua, Shenzhen, China

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

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

**Test specification** ..... :

Standard .....: **EN 62479:2010**

TRF Originator.....: Shenzhen Tongzhou Testing Co.,Ltd

Master TRF.....: Dated 2012-06

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**Test item description** .....: Smart Bracelet

Trade Mark .....: /

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

Model/Type reference.....: SN66

Listed Models .....: SN18, SN58, CNE-SB11BB

Ratings.....: DC 3.7V by Battery

Result.....: **PASS**

Anna Hu





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## EMF ASSESSMENT REPORT

<b>Test Report No. :</b>	<b>TZ181200486-EMF</b>	2018/12/14
		Date of issue

Equipment under Test : Smart Bracelet

Model /Type : SN66

Listed Models : SN18, SN58, CNE-SB11BB

**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

<b>Test Result:</b>	<b>PASS</b>
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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.



Report No.: TZ181200486-EMF

**\*\* Modified History \*\***

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	2018/12/14	Andy Zhang



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## 1. SUMMARY

### 1.1. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

● - supplied by the manufacturer

○ - supplied by the lab

○	Power Cable	Length (m) :	/
		Shield :	/
		Detachable :	/

### 1.2. NOTE

Function	Test Standards	Reference Report
BLE	ETSI EN 300 328 V2.1.1 (2016-11)	TZ181200486-BLE
EMC	Draft ETSI EN 301 489-1 V2.2.0 (2017-03) Draft ETSI EN 301 489-17 V3.2.0 (2017-03) EN 55032: 2015 EN 55035: 2017 EN 61000-3-2: 2014 EN 61000-3-3: 2013	TZ181200486-RE
EMF	EN 62479: 2010	TZ181200486-EMF



## **2. TEST ENVIRONMENT**

### **2.1. Address of the test laboratory**

Shenzhen Tongzhou Testing Co.,Ltd  
1th Floor, Building 1, Haomai High-tech Park, Huating Road 387, Dalang Street, Longhua, Shenzhen, China  
The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 (2014) and CISPR Publication 22.

### **2.2. Environmental conditions**

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

Temperature: 15-35 ° C

Humidity: 30-60 %

Atmospheric pressure: 950-1050mbar

### **2.3. Statement of the measurement uncertainty**

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM);Uncertainties in the measurement of mobile radio equipment characteristics; Part 2 " and is documented in the Shenzhen Tongzhou Testing Co.,Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Tongzhou Testing Co.,Ltd is reported:

<b>Test Items</b>	<b>Measurement Uncertainty</b>	<b>Notes</b>
Transmitter power conducted	0.57 dB	(1)

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



### 3. Method of measurement

#### 3.1. Applicable Standard

**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)

#### 3.2. 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.

### 4. Test Result

Type	Maximum EIRP (dBm)	Maximum Output power (mW)	Limit (mW)	Results
BLE	4.18	2.62	20	PASS

.....End of Report.....