

## Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Report No: CCISE200100902V01

# **FCC REPORT**

Applicant: SHEN ZHEN TOMSTAR TECHNOLOGY CO., LTD

Address of Applicant: Room 2110-2116, Huafeng International Commercial Building,

Xixiang, BaoAn district, Shenzhen, China

**Equipment Under Test (EUT)** 

Product Name: smart watch

Model No.: TS06, URBAN PRO, DAFIT S

FCC ID: 2APD3TS06

Applicable standards: FCC CFR Title 47 Part 15 Subpart B

Date of sample receipt: 06 Jan., 2020

**Date of Test:** 07 Jan., to 13 Jan., 2020

Date of report issued: 13 Jan., 2020

Test Result: PASS \*

#### Authorized Signature:



Bruce Zhang Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.





## 2 Version

Version No.	Date	Description	
00	13 Jan., 2020 Original	13 Jan., 2020 Orig	Original
01	13 Mar., 2020	Update product name	

Tested by:	Test Engineer	Date: _	13 Jan., 2020
Reviewed by:	Winner thang	Date:	13 Jan., 2020

Project Engineer



## 3 Contents

			Page
1	C	OVER PAGE	1
2	VI	ERSION	2
3	C	ONTENTS	3
4	Ti	EST SUMMARY	4
5	G	ENERAL INFORMATION	5
	5.1	CLIENT INFORMATION	5
	5.2	GENERAL DESCRIPTION OF E.U.T.	5
	5.3	TEST MODE	5
	5.4	MEASUREMENT UNCERTAINTY	
	5.5	DESCRIPTION OF SUPPORT UNITS	6
	5.6	Related Submittal(s) / Grant (s)	
	5.7	DESCRIPTION OF CABLE USED	
	5.8	Additions to, deviations, or exclusions from the method	
	5.9	LABORATORY FACILITY	6
	5.10	LABORATORY LOCATION	6
	5.11	TEST INSTRUMENTS LIST	7
6	TE	EST RESULTS AND MEASUREMENT DATA	8
	6.1	CONDUCTED EMISSION	
	6.2	RADIATED EMISSION	11
7	TE	EST SETUP PHOTO	17
ጸ	FI	LIT CONSTRUCTIONAL DETAILS	18





## **Test Summary**

Test Item	Section in CFR 47	Result
Conducted Emission	Part 15.107	Pass
Radiated Emission	Part 15.109	Pass
Remark:		

- Pass: The EUT complies with the essential requirements in the standard.
- N/A: The EUT not applicable of the test item.

Test Method: ANSI C63.4:2014



## 5 General Information

### 5.1 Client Information

Applicant:	SHEN ZHEN TOMSTAR TECHNOLOGY CO., LTD
Address:	Room 2110-2116, Huafeng International Commercial Building, Xixiang, BaoAn district, Shenzhen, China
Manufacturer/ Factory:	Tomstar Industrial Limited
Address:	Room 2110-2116, Huafeng International Commercial Building, Xixiang, BaoAn district, Shenzhen, China

## 5.2 General Description of E.U.T.

Product Name:	smart watch
Model No.:	TS06, URBAN PRO, DAFIT S
Power supply:	Rechargeable Li-ion Battery DC3.7V, 180mAh
Test Sample Condition:	The test samples were provided in good working order with no visible defects.
Remark:	The No.: TS06, URBAN PRO, DAFIT S were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being model name.

### 5.3 Test Mode

Operating mode	Detail description
Charging mode	Keep the EUT in Charging+ mode(Worst case)
Working mode	Keep the EUT in Working mode

The sample was placed 0.8m above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

## **5.4 Measurement Uncertainty**

Parameters	Expanded Uncertainty	
Conducted Emission (9kHz ~ 30MHz)	±1.60 dB (k=2)	
Radiated Emission (9kHz ~ 30MHz)	±3.12 dB (k=2)	
Radiated Emission (30MHz ~ 1000MHz)	±4.32 dB (k=2)	
Radiated Emission (1GHz ~ 18GHz)	±5.38 dB (k=2)	
Radiated Emission (18GHz ~ 40GHz)	±3.36 dB (k=2)	

Report No: CCISE200100902V01

### 5.5 Description of Support Units

Manufacturer	Description	Model	S/N	FCC ID/DoC
Switching	Adapter	HJ-0501000B2-EU	N/A	N/A

## 5.6 Related Submittal(s) / Grant (s)

This is an original grant, no related submittals and grants.

### 5.7 Description of Cable Used

Cable Type	Description	Length	From	То
Detached USB Cable	Unshielded	0.83m	EUT	Adapter

## 5.8 Additions to, deviations, or exclusions from the method

No

### 5.9 Laboratory Facility

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

#### • FCC - Designation No.: CN1211

Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

#### ISED - CAB identifier.: CN0021

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

#### CNAS - Registration No.: CNAS L6048

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

#### A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <a href="https://portal.a2la.org/scopepdf/4346-01.pdf">https://portal.a2la.org/scopepdf/4346-01.pdf</a>

## 5.10 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,

Bao'an District, Shenzhen, Guangdong, China Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info@ccis-cb.com, Website: http://www.ccis-cb.com

Shenzhen Zhongjian Nanfang Testing Co., Ltd.
No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China
Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366



## **5.11 Test Instruments list**

Radiated Emission:						
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
3m SAC	SAEMC	9m*6m*6m	966	07-22-2017	07-21-2020	
Loop Antenna	SCHWARZBECK	FMZB1519B	00044	03-18-2019	03-17-2020	
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-18-2019	03-17-2020	
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-18-2019	03-17-2020	
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2017	06-21-2020	
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-18-2019	11-17-2020	
EMI Test Software	AUDIX	E3	\	/ersion: 6.110919	b	
Pre-amplifier	HP	8447D	2944A09358	03-18-2019	03-17-2020	
Pre-amplifier	CD	PAP-1G18	11804	03-18-2019	03-17-2020	
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-18-2019	03-17-2020	
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-18-2019	11-17-2020	
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-18-2019	03-17-2020	
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-18-2019	03-17-2020	
Cable	MICRO-COAX	MFR64639	K10742-5	03-18-2019	03-17-2020	
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-18-2019	03-17-2020	

Conducted Emission:						
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
EMI Test Receiver	Rohde & Schwarz	ESCI	101189	03-18-2019	03-17-2020	
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-18-2019	03-17-2020	
LISN	CHASE	MN2050D	1447	03-18-2019	03-17-2020	
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2017	07-20-2020	
Cable	HP	10503A	N/A	03-18-2019	03-17-2020	
EMI Test Software	AUDIX	E3	,	Version: 6.110919	b	



## 6 Test results and Measurement Data

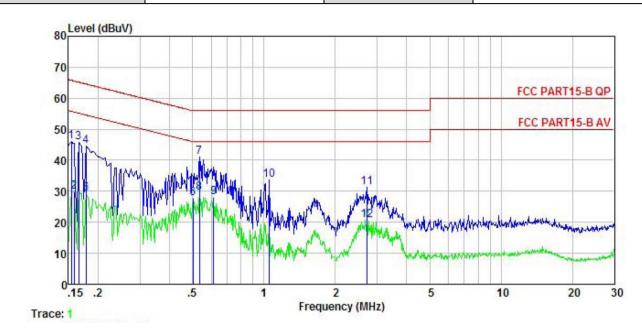
### **6.1 Conducted Emission**

Test Requirement:	FCC Part 15 B Section 15.107						
Test Frequency Range:	150kHz to 30MHz						
Class / Severity:	Class B						
Receiver setup:	RBW=9kHz, VBW=30kHz						
Limit:	Frequency range (MHz)		(dBµV)				
	. , , ,	Quasi-peak	Average				
	0.15-0.5	66 to 56*	56 to 46*				
	0.5-5	56	46				
	0.5-30	60	50				
	* Decreases with the logarithm	of the frequency.					
Test setup:	Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m	Filter — AC powe					
Test procedure	<ol> <li>The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs).</li> <li>Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4(latest version) on conducted measurement.</li> </ol>						
Test Instruments:	Refer to section 5.11 for details						
Test mode:	Refer to section 5.3 for details						
Test results:	Pass						



#### Measurement data:

Product name:	smart watch	Product model:	TS06
Test by:	YT	Test mode:	Charging mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



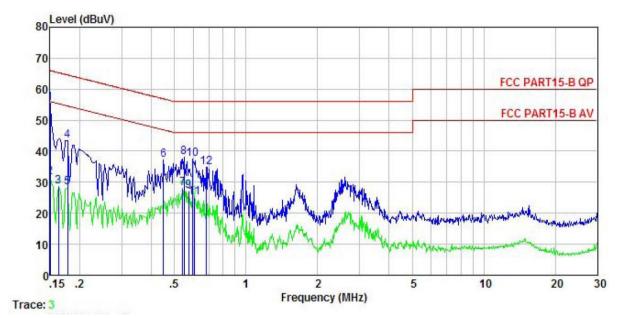
	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
9	MHz	dBu₹	<u>ab</u>	<u>ā</u>	dB	dBu₹	—dBu√	<u>ab</u>	
1	0.154	35.68	-0.45	-0.06	10.78	45.95		-19.83	
2	0.158	19.68	-0.44	-0.07	10.77	29.94	55.56	-25.62	Average
3	0.166	35.38	-0.44	-0.09	10.77	45.62	65.16	-19.54	QP
4	0.178	34.24	-0.43	-0.12	10.77	44.46	64.59	-20.13	QP
5	0.178	18.89	-0.43	-0.12	10.77	29.11	54.59	-25.48	Average
6	0.502	17.73	-0.39	-0.35	10.76	27.75			Average
7	0.535	31.16	-0.39	-0.36	10.76	41.17		-14.83	
1 2 3 4 5 6 7 8 9	0.535	19.60	-0.39	-0.36	10.76	29.61			Average
9	0.614	17.96	-0.38	-0.38	10.77	27.97	46.00	-18.03	Average
10	1.049	22.79	-0.38		10.88	33.69		-22.31	
11	2,721	20.92	-0.43		10.93	31.18		-24.82	(167 <b>-</b> 7755)
12	2.721	10.47	-0.43		10.93	20.73			Äverage

#### Notes

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



Product name:	smart watch	Product model:	TS06
Test by:	YT	Test mode:	Charging mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



	Freq	Kead Level	Factor	Factor	Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu∇	<u>dB</u>	<u>ā</u> B	dB	dBu₹	dBu√	<u>d</u> B	
1	0.150	45.27	-0.68	0.01	10.78	55.38	66.00	-10.62	QP
2	0.150	21.40	-0.68	0.01	10.78	31.51	56.00	-24.49	Average
3	0.162	18.48	-0.68	0.01	10.77	28.58	55.34	-26.76	Average
4	0.178	33.39	-0.69	0.00	10.77	43.47	64.59	-21.12	QP
4 5 6	0.178	18.25	-0.69	0.00	10.77	28.33	54.59	-26.26	Average
6	0.449	27.20	-0.65	-0.01	10.74	37.28	56.89	-19.61	QP
7	0.541	18.00	-0.65	0.03	10.76	28.14	46.00	-17.86	Average
8	0.549	27.95	-0.65	0.03	10.76	38.09	56.00	-17.91	QP
9	0.573	16.95	-0.65	0.03	10.76	27.09	46.00	-18.91	Average
10	0.598	27.27	-0.64	0.04	10.77	37.44	56.00	-18.56	QP
11	0.604	15.03	-0.64	0.04	10.77	25.20	46.00	-20.80	Average
12	0.679	24.78	-0.64	0.04	10.77	34.95	56.00	-21.05	QP

#### Notes

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



### 6.2 Radiated Emission

Test Requirement:	FCC Part 15 B Section 15.109							
Test Frequency Range:	30MHz to 6000M	30MHz to 6000MHz						
Test site:	Measurement Dis	stance: 3m (	Sem	i-Anechoic (	Chamber)	)		
Receiver setup:	Frequency Detector RBW VBW Re							
receiver cetap.	30MHz-1GHz	Quasi-pe		120kHz	300kHz			
	Above 1GHz	Peak		1MHz	3MHz			
	Above IGHZ	RMS		1MHz	3MHz	Average Value		
Limit:	Frequenc	•	Lim	nit (dBuV/m	@3m)	Remark		
	30MHz-88N			40.0		Quasi-peak Value		
	88MHz-216I			43.5		Quasi-peak Value		
	216MHz-960			46.0		Quasi-peak Value		
	960MHz-10	iHZ		54.0		Quasi-peak Value		
	Above 1GI	Hz		54.0		Average Value		
Test setup:				74.0		Peak Value		
	Tum 0.8m	Tum O.8m Im Table O.8m Im Ground Plane						
	Horn Antenna Tower  Ground Reference Plane  Test Receiver  Amplier Controller							
Test Procedure:	ground at a 3 ndegrees to detect 2. The EUT was sometime which was mound at a 2 ndegrees to detect the detect of t	<ol> <li>The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the</li> </ol>						





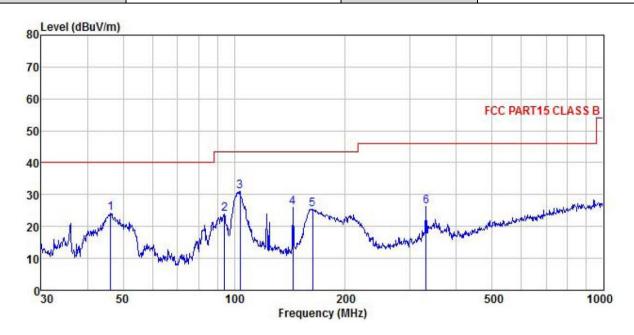
	4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
	<ol><li>The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li></ol>
	6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test Instruments:	Refer to section 5.11 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	All of the observed value above 6GHz ware the niose floor , which were no recorded



#### **Measurement Data:**

#### **Below 1GHz:**

Product Name:	smart watch	Product Model:	TS06
Test By:	YT	Test mode:	Charging mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120V/60Hz	Environment:	Temp: 24℃ Huni: 57%



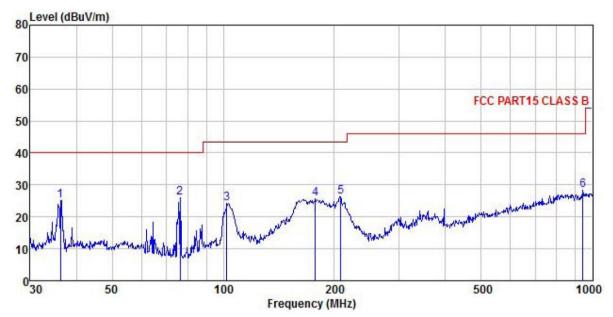
	Freq		Antenna Factor				Limit		Remark
-	MHz	dBu₹	$-\overline{dB}/\overline{m}$		<u>d</u> B	dBuV/m	dBu√/m		
1	46.178	40.39	12.25	1.28	29.85	24.07	40.00	-15.93	QP
2	94.098	40.39	11.08	2.01	29.55	23.93	43.50	-19.57	QP
3	103.806	46.38	12.16	1.99	29.50	31.03	43.50	-12.47	QP
4	144.335	43.42	9.24	2.45	29.25	25.86	43.50	-17.64	QP
1 2 3 4 5	163.182	42.47	9.39	2.61	29.11	25.36	43.50	-18.14	QP
6	331.355								

#### Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



Product Name:	smart watch	Product Model:	TS06
Test By:	YT	Test mode:	Charging mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120V/60Hz	Environment:	Temp: 24℃ Huni: 57%



Freq						Limit Line		Remark
MHz	dBu₹	<u>d</u> B/m	<u>d</u> B	<u>d</u> B	dBuV/m	dBuV/m	<u>d</u> B	
36.254	42.50	11.50	1.11	29.94	25.17	40.00	-14.83	QP
76.512	46.25	7.74	1.64	29.67	25.96	40.00	-14.04	QP
102.360	39.59	12.31	1.96	29.51	24.35	43.50	-19.15	QP
177.509	42.10	9.89	2.71					
207.850	41.22	10.96	2.86	28.78	26.26	43.50	-17.24	QP
942.131	29.23	22.67	4.13	27.75	28.28	46.00	-17.72	QP
	MHz 36.254 76.512 102.360 177.509 207.850	Freq Level  MHz dBuV  36.254 42.50 76.512 46.25 102.360 39.59 177.509 42.10 207.850 41.22	Freq Level Factor  MHz dBuV dB/m  36.254 42.50 11.50 76.512 46.25 7.74 102.360 39.59 12.31 177.509 42.10 9.89 207.850 41.22 10.96	Freq Level Factor Loss  MHz dBuV dB/m dB  36.254 42.50 11.50 1.11  76.512 46.25 7.74 1.64 102.360 39.59 12.31 1.96 177.509 42.10 9.89 2.71 207.850 41.22 10.96 2.86	Freq Level Factor Loss Factor  MHz dBuV dB/m dB dB  36.254 42.50 11.50 1.11 29.94  76.512 46.25 7.74 1.64 29.67  102.360 39.59 12.31 1.96 29.51  177.509 42.10 9.89 2.71 28.99  207.850 41.22 10.96 2.86 28.78	MHz dBuV dB/m dB dB dBuV/m  36.254 42.50 11.50 1.11 29.94 25.17  76.512 46.25 7.74 1.64 29.67 25.96 102.360 39.59 12.31 1.96 29.51 24.35 177.509 42.10 9.89 2.71 28.99 25.71 207.850 41.22 10.96 2.86 28.78 26.26	Freq Level Factor Loss Factor Level Line  MHz dBuV dB/m dB dB dBuV/m dBuV/m  36.254 42.50 11.50 1.11 29.94 25.17 40.00  76.512 46.25 7.74 1.64 29.67 25.96 40.00  102.360 39.59 12.31 1.96 29.51 24.35 43.50  177.509 42.10 9.89 2.71 28.99 25.71 43.50  207.850 41.22 10.96 2.86 28.78 26.26 43.50	Freq Level Factor Loss Factor Level Line Limit  MHz dBuV dB/m dB dB dBuV/m dBuV/m dB  36.254 42.50 11.50 1.11 29.94 25.17 40.00 -14.83 76.512 46.25 7.74 1.64 29.67 25.96 40.00 -14.04 102.360 39.59 12.31 1.96 29.51 24.35 43.50 -19.15 177.509 42.10 9.89 2.71 28.99 25.71 43.50 -17.79 207.850 41.22 10.96 2.86 28.78 26.26 43.50 -17.24

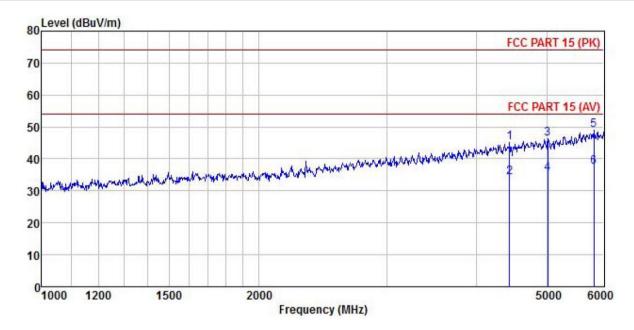
#### Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



#### **Above 1GHz:**

Product Name:	smart watch	Product Model:	TS06
Test By:	YT	Test mode:	Charging mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Vertical
Test Voltage:	AC 120V/60Hz	Environment:	Temp: 24℃ Huni: 57%



	Freq	KeadAntenna Level Factor		Cable Preamp Loss Factor			Limit Line	Over Limit	Remark
	MHz	dBu₹	<u>dB</u> /π	<u>d</u> B	<u>dB</u>	$\overline{dBuV/m}$	$\overline{dBuV/m}$	<u>dB</u>	
1	4440.397	47.65	30.39	6.75	42.00	45.13	74.00	-28.87	Peak
2	4440.397	36.85	30.39	6.75	42.00				Average
3	5015.753	47.44	31.44		41.89		74.00		
4	5015.753	36.39	31.44	6.95	41.89	35.39	54.00	-18.61	Average
5	5809.577	47.66	32.66	7.89	42.02		74.00		
5 6	5809.577	36.13	32.66	7.89	42.02	37.41	54.00	-16.59	Average

#### Remark

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



roduct Name: est By:	YT		Test mode:		TS06 Charging mode			
<del>_</del>					Horizontal			
est Frequency:	1 GHz ~ 6 GHz		Polarization:	Horizontal				
est Voltage:	AC 120V/60Hz		Environment:	Temp: 24°C Huni: 57%				
Level (dBuV/m	)							
80				FCC PART	15 (PK)			
70								
60				FCC PART	15 (AV)			
50								
50			1	+ a a a keep on market harpy	elymorphy where			
40		h . a amounted	make the property of the prope	2 4	6			
30 miles portunitations	adjustical and the contraction of the second	A Company of the Comp	news with removed subjectively the deficient					
20								
10								
0 1000 1200	1500	2000	- I	5000	6000			
		Frequen	cy (MHz)					

	Freq	ReadAntenn Level Facto					Limit Line		Remark
	MHz	dBu∀			<u>ab</u>	$\overline{dBuV/m}$	dBuV/m	<u>d</u> B	
1	4170.485	47.49	30.34	6.36	41.81	44.64	74.00	-29.36	Peak
2	4170.485	36.36	30.34	6.36	41.81	33.51	54.00	-20.49	Average
3	4821.884	47.15	31.06	6.81	41.82	45.64	74.00	-28.36	Peak
4	4821.884	36.19	31.06	6.81	41.82	34.68	54.00	-19.32	Average
4 5	5809.577	46.77	32.66	7.89	42.02			-25.95	
6	5809.577	36.72	32.66	7.89	42.02	38.00	54.00	-16.00	Average

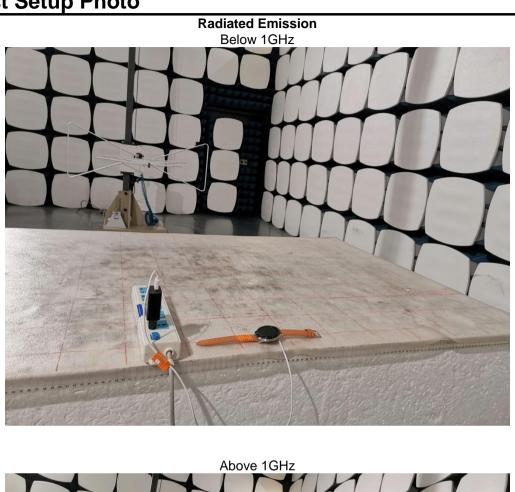
#### Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



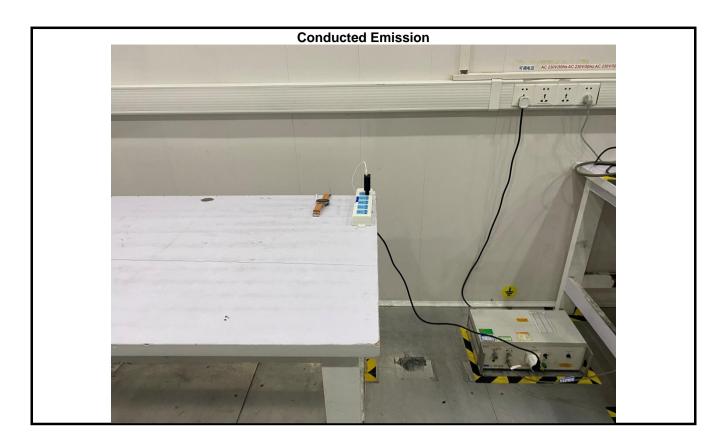


7 Test Setup Photo









## 8 EUT Constructional Details

Reference to the test report No.: CCISE200100901

-----End of report-----