RF Exposure REPORT

No. I15Z40139-GPM01

for

TCT Mobile Limited

Connected wristband with Bluetooth technology

Model Name: SM 02

with

Hardware Version: G

Software Version: v1

Issued Date: 2015-02-11

TESTING
CNAS L0570

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

Test Laboratory:

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CONTENTS

1. Test Laboratory

1.1. Testing Location

Company Name:	Location : CTTL(Shouxiang)
Address:	No. 51 Shouxiang Science Building, Xueyuan Road, Haidian District, Beijing, P. R. China
Postal Code:	100191

1.2. Testing Environment

Normal Temperature:	15-35℃
Relative Humidity:	20-75%

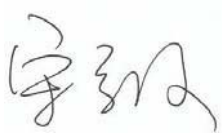
1.3. Project data

Project Leader:	Xue Zhen
Testing Start Date:	2015-01-27
Testing End Date:	2015-01-30

1.4. Signature

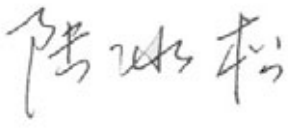
Xue Zhen

(Prepared this test report)



Song Chongwen

(Reviewed this test report)



Lu Bingsong

Deputy Director of the laboratory

(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name:	TCT Mobile Limited
Address /Post:	5F, C building, No. 232, Liang Jing Road ZhangJiang High-Tech Park, Pudong Area Shanghai, P.R. China. 201203
City:	Shanghai
Postal Code:	201203
Country:	China
Contact Person:	Gong Zhizhou
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2.2. Manufacturer Information

Company Name:	TCT Mobile Limited
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Country:	China
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3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	Connected wristband with Bluetooth technology
Model Name	SM 02
Marketing Name	N/A
Frequency Band	ISM 2400MHz~2483.5MHz
Type of Modulation	GFSK (Bluetooth Low Energy)
Number of Channels	40
Extreme Temperature	-10/+55℃
Normal Voltage	3.8V
Peak antenna gain	-6 dBi

Note1: Photographs of EUT are shown in ANNEX A of this test report.

3.2. Internal Identification of EUT

EUT ID*	IMEI	HW Version	SW Version
EUT1	/	G	v1

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE

AE ID*	Description	SN
AE1	Battery	/
AE2	RF cable	/

*AE ID: is used to identify the test sample in the lab internally.

4. Reference Documents

4.1. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
RSS-102	Radio Frequency Exposure Compliance of Radio communication Apparatus (All Frequency Bands)	Issue 4
KDB447498 D01	Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies	v05r02

5. RF Exposure Limit

According to RSS-102 Issue 2, section 2.5 and FCC KDB447498, and the maximum output power listed below, the device is exempt from the routine evaluation and is fulfill RF exposure compliance with FCC and IC requirement.

The output power and operating frequency of the device are:

mode	Maximum Output Power	
	Conducted	Radiated
2.4GHz Bluetooth	0.52dBm	-5.48dBm

Estimated SAR for Bluetooth:

F（GHz）	Distance(mm)	Upper limit of power*		Estimated 1g (W/kg)
		dBm	mW	
2.48	5	-5.48	0.28	0.01

* - Maximum possible output power declared by manufacturer

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] • [√ f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,25 where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation26
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Conclusion:

According to the above tables, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. So the SAR with volume scans is not required.

*****END OF REPORT*****