

## RF Exposure Evaluation Report

<b>Report Reference No.</b> .....	<b>MTEB23060071-H</b>
<b>FCC ID</b> .....	<b>2BBGK-I9</b>
Compiled by ( position+printed name+signature)...	File administrators Alisa Luo <span style="float: right;"><i>Alisa</i></span>
Supervised by ( position+printed name+signature)...	Test Engineer Sunny Deng <span style="float: right;"><i>Sunny</i></span>
Approved by ( position+printed name+signature)...	Manager Yvette Zhou <span style="float: right;"><i>Yvette</i></span>
Date of issue.....	<b>Jun.07,2023</b>
<b>Representative Laboratory Name .:</b> <b>Shenzhen Most Technology Service Co., Ltd.</b>	
Address .....	No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.
<b>Applicant's name</b> .....: <b>Shenzhen Xincheng Times Technology Co.,Ltd</b>	
Address .....	104-105, Block C, Donghai Wang Building, No. 369 Bulong Road, Ma'antang Community, Bantian Street, Longgang District, Shenzhen
<b>Test specification/ Standard</b> .....	
	<b>47 CFR Part 1.1307</b> <b>47 CFR Part 2.1093</b>
TRF Originator.....	Shenzhen Most Technology Service Co., Ltd.
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<b>Test item description</b> .....	ELECTRIC SCOOTER
Trade Mark .....	N/A
Model/Type reference.....	i9
Listed Models .....	E9,E9PRO, E9T, E11,E9G,E9-2,E8,E9Plus, i8, i9pro,S8,S9,S9pro
Modulation Type .....	GFSK
Operation Frequency.....	From 2402MHz to 2480MHz
Hardware Version.....	M0-2BLE1-V2.01-20181026
Software Version .....	E9MAX 9.3.0(0003)
Rating .....	1:DC 37V (by Battery) 2:DC 42V (by Adapter)
Result.....	PASS

**TEST REPORT**

Equipment under Test : ELECTRIC SCOOTER

Model /Type : i9

Listed Models : E9,E9PRO, E9T, E11,E9G,E9-2,E8,E9Plus,  
i8, i9pro,S8,S9,S9pro

Remark : Difference in model names

Applicant : **Shenzhen Xincheng Times Technology Co.,Ltd**

Address : 104-105, Block C, Donghai Wang Building, No. 369 Bulong Road,  
Ma'antang Community, Bantian Street, Longgang District,  
Shenzhen

Manufacturer : **Shenzhen Xincheng Times Technology Co.,Ltd**

Address : 104-105, Block C, Donghai Wang Building, No. 369 Bulong Road,  
Ma'antang Community, Bantian Street, Longgang District,  
Shenzhen

<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.

## 1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2023.06.07	Initial Issue	Alisa Luo

## **2. SAR Evaluation**

### **2.1 RF Exposure Compliance Requirement**

#### **2.1.1 Standard Requirement**

According to KDB447498D01 General RF Exposure Guidance v06

##### 4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

#### **2.1.2 Limits**

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

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$   
 $\leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where

$f(\text{GHz})$  is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation<sup>17</sup>

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  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 is applied to determine SAR test exclusion

2.1.3 EUT RF Exposure

Measurement Data

BLE

GFSK			
Test channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power
			(dBm)
Lowest(2402MHz)	-2.437	-2.437 ± 1	-1.437
Middle(2440MHz)	-2.507	-2.507 ± 1	-1.507
Highest(2480MHz)	-2.329	-2.329 ± 1	-1.329

Worst case: GFSK						
Channel	Maximum Peak Conducted Output Power (dBm)	Maximum tune-up Power		Calculated value	Exclusion threshold	SAR Test Exclusion
		(dBm)	(mW)			
Highest(2480MHz)	-2.329	-1.329	0.74	0.24	3.0	Yes

.....THE END OF REPORT.....