

## RF Exposure Evaluation Report

**Report Reference No.**.....: **MTEB24030082-H**

**FCC ID**.....: **2BBGK-I10**

Compiled by  
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Date of issue.....: Mar.12,2024

**Representative Laboratory Name .:** **Shenzhen Most Technology Service Co., Ltd.**

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**Applicant's name**.....: **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

**Test specification/ Standard** .....: **47 CFR Part 1.1307**  
**47 CFR Part 2.1093**

TRF Originator.....: Shenzhen Most Technology Service Co., Ltd.

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**Test item description** .....: Electric Scooter

Trade Mark .....: N/A

Model/Type reference.....: i10

Listed Models .....: i10MAX, i10S, i10Pro, i10Plus,S10, S10S,  
S10Pro,S10MAX,S10Plus, X10, X10S, X10Pro, X10Plus,  
X10MAX

Modulation Type .....: GFSK

Operation Frequency.....: From 2402MHz to 2480MHz

Hardware Version.....: M0-LO4-V2.06-20230603H/M0-2BLE8-V5.43-20230303

Software Version .....: 8429-05200713 510-07F5

Rating .....: 1:DC 36V (by Battery)  
2:DC 42V (by Adapter)

Result.....: PASS

**TEST REPORT**

Equipment under Test : Electric Scooter

Model /Type : i10

Listed Models : i10MAX, i10S, i10Pro, i10Plus,S10, S10S,  
S10Pro,S10MAX,S10Plus, X10, X10S, X10Pro, X10Plus,  
X10MAX

Remark : Difference in Appearance and model names

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

Address : 104-105, Block C, Donghai Wang Building, No. 369 Bulong Road,  
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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,  
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<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	2024.03.12	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:

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

$f(\text{GHz})$  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)	0.411	0.411 ± 1	1.411
Middle(2440MHz)	1.491	1.491 ± 1	2.491
Highest(2480MHz)	2.320	2.320 ± 1	3.32

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)	2.320	3.32	2.15	0.67	3.0	Yes

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