

## RF Exposure Evaluation Report

<b>Report Reference No.</b> .....:	<b>MTEB24040105-H</b>	
<b>FCC ID</b> .....:	<b>2BBGK-CRUISERPRO</b>	
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Date of issue.....:	Apr. 10,2024	
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<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.....:	Cruiser Pro	
Listed Models .....	Cruiser、Cruiser Plus、Cruiser Max、Cruiser S、Cruiser X、 Raptor、Raptor Pro、Raptor Max	
Modulation Type .....	GFSK	
Operation Frequency.....:	From 2402MHz to 2480MHz	
Hardware Version.....	100	
Software Version .....	1.12	
Rating .....	1:DC 48V (by Battery) 2:DC 54.6V (by Adapter)	
Result.....:	PASS	

**TEST REPORT**

Equipment under Test : Electric Scooter

Model /Type : Cruiser Pro

Listed Models : Cruiser、Cruiser Plus、Cruiser Max、Cruiser S、Cruiser X、Raptor、Raptor Pro、Raptor Max

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, 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	2024.04.10	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)	2.594	2.594 ± 1	3.594
Middle(2440MHz)	0.466	0.466 ± 1	1.466
Highest(2480MHz)	-0.246	-0.246 ± 1	0.754

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)	0.466	1.466	1.40	0.44	3.0	Yes

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