

RF Exposure Evaluation Declaration

Applicant: Ninebot (Changzhou) Tech Co., Ltd.

Address: 16F-17F, Block A, Building 3, Changwu Mid Road 18#,
Wujin Dist., Changzhou, Jiangsu, China

Product: Segway eKickScooter ZT3 Pro

Model No.: 051801E, 051801D, 051801A

Standards: EN 62479: 2010
EN 50663: 2017
BS EN 62479: 2010
BS EN 50663: 2017

Result: Complies

Evaluation Date: 2024-08-01

Reviewed By:

Vincent Yu

Approved By:

Robin Wu



The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standards through the calibration of the equipment and evaluated measurement uncertainty herein.

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Revision History

Report No.	Version	Description	Issue Date	Note
2407RSU022-E4	V01	Initial Report	2024-08-02	Valid

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1. General Information

1.1. Applicant

Ninebot (Changzhou) Tech Co., Ltd.

16F-17F, Block A, Building 3, Changwu Mid Road 18#, Wujin Dist., Changzhou, Jiangsu, China

1.2. Manufacturer

Ninebot (Changzhou) Tech Co., Ltd.

16F-17F, Block A, Building 3, Changwu Mid Road 18#, Wujin Dist., Changzhou, Jiangsu, China

1.3. Testing Facility

☒	Test Site – MRT Suzhou Laboratory
	Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China
	Laboratory Location (Suzhou - SIP) 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China
	Laboratory Accreditations
	A2LA: 3628.01 FCC: CN1166 VCCI:
	CNAS: L10551 ISED: CN0001 ☐ R-20025 ☐ G-20034 ☐ C-20020 ☐ T-20020 ☐ R-20141 ☐ G-20134 ☐ C-20103 ☐ T-20104
☐	Test Site – MRT Shenzhen Laboratory
	Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China
	Laboratory Accreditations
	A2LA: 3628.02 FCC: CN1284
	CNAS: L10551 ISED: CN0105
☐	Test Site – MRT Taiwan Laboratory
	Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
	Laboratory Accreditations
	TAF: 3261 FCC: 291082, TW3261
	ISED: TW3261

1.4. Product Information

Product Name	Segway eKickScooter ZT3 Pro
Model No.	051801E, 051801D, 051801A
Brand Name	Segway
Rated Input	53.6VDC, 1.3A
Bluetooth Specification	BR/EDR/BLE(1M/2M)
Accessory	
AC Adapter	Model: NBW54D601D3D01 Input: 100-240V ~ 50-60Hz 2.5A MAX Output: 53.6VDC 3.9A MAX
Note: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Antenna Details

Test Mode	Frequency Band (MHz)	Antenna Type	Antenna Gain
BR/EDR/BLE	2402 ~ 2480	PCB Antenna	0.79 dBi

2. RF Exposure Measurement

2.1. Test Limits

Low-power electronic and electrical equipment is deemed to comply with the provisions of this standard if it can be demonstrated using routes B, C or D that the available antenna power and/or the average total radiated power is less than or equal to the applicable low-power exclusion level $P_{\max}$.

Table as below contains example values for $P_{\max}$ derived from existing exposure limits listed in the bibliography, such as the ICNIRP guidelines

Guideline / Standard	SAR limit $SAR_{\max}$ (W/kg)	Averaging mass, m (g)	$P_{\max}$ (mW)	Exposure tier	Region of body
ICNIRP [1]	2	10	20	General public	Head and trunk
	4	10	40	General public	Limbs
	10	10	100	Occupational	Head and trunk
	20	10	200	Occupational	Limbs

2.2. Calculated Result

Product	Max Kickscooter
Test Item	RF Exposure Evaluation

Operation Mode	Frequency Range (MHz)	Maximum EIRP (dBm)	Maximum EIRP (mW)
BR/EDR/BLE	2402 ~2480	8.63	7.29

Note 1: The data is copied by original MRT report (Report No.: 2311SRU069-E2 & 2311RSU069-E3).

Note 2: Maximum EIRP (mW) = $10^{\{\text{Maximum EIRP (dBm)}/10\}}$

Note 3: The EUT does not support BLE and BR&EDR simultaneous transmissions.

Conclusion:

The Maximum EIRP of the device is 7.29mW (8.63dBm) and it is less than 20mW (13.01dBm), so the device is compliance with exposure requirement.

The End
