

TEST REPORT

Report Reference No.....: MTEB23080147 -H

FCC ID.....: 2A5R5-SYL-10B

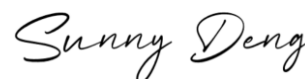
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Date of issue.....: Aug. 10,2023

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Applicant's name DONGGUAN SIYILI INTELLIGENT TECHNOLOGY CO.,LTD

Address: Room 301, Shenghang Industrial Park, Jinlong Road, Qingxi Town, Dongguan,China

Test specification/ Standard FCC Rules Part 15.249

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

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Test item description Four-wheel electric skateboards

Trade Mark: **VEVOR®**
TOUGH TOOLS, HALF PRICE

Manufacturer: DONGGUAN SIYILI INTELLIGENT TECHNOLOGY CO.,LTD

Model/Type reference.....: SYL-10B

Listed Models: GTS-01, SYL-03A, SYL-03B, SYL-06

Modulation Type: GFSK

Operation Frequency.....: 2402MHz ~ 2480MHz

Hardware Version.....: 01-A-3.2V

Software Version: 0x54bd42

Rating: DC 3.7V (by Battery)

DC 5V (by USB Port)

Result.....: **PASS**

TEST REPORT

Equipment under Test : Four-wheel electric skateboards

Model /Type : SYL-10B

Listed Models : GTS-01, SYL-03A, SYL-03B, SYL-06

Remark : Difference in Appearance and model names

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Test Result:	PASS
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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.

Contents

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2023.08.10	Initial Issue	Alisa Luo

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 ≤ 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 calculation¹⁷

The result is rounded to one decimal place for comparison

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 is applied to determine SAR test exclusion

2.1.3 EUT RF Exposure

$$\text{EIRP} = \text{PT} * \text{GT} = (\text{E} \times \text{D})^2 / 30$$

where:

PT = transmitter output power in watts,

GT = numeric gain of the transmitting antenna (unitless),

E = electric field strength in V/m, $10^{(\text{dB}\mu\text{V/m})/20} / 10^6$,

D = measurement distance in meters (m)---3m,

So $\text{PT} = (\text{E} \times \text{D})^2 / 30 / \text{GT}$

The worst case (refer to report MTEB23080147-R) is below:

Antenna polarization: Horizontal		
Frequency (MHz)	Level (dBuV/m)	Polarization
2480	88.36	Peak
2480	75.91	Average

Antenna polarization: Vertical		
Frequency (MHz)	Level (dBuV/m)	Polarization
2434	88.24	Peak
2434	79.88	Average

For 2480MHz wireless:

Field strength=88.36dBuV/m

Ant gain:-0.58dBi;so Ant numeric gain=0.87

$$\text{EIRP} = \text{PT} * \text{GT} = (\text{E} \times \text{D})^2 / 30 = (10^{(\text{dB}\mu\text{V/m})/20} / 10^6 * 3)^2 / 30 = 0.0006\text{W}$$

$$\text{So PT} = \text{EIRP} / \text{GT} = 0.0006\text{W} / 0.87 * 1000 = 0.7\text{mW}$$

$$\text{So } (0.7\text{mW}/5\text{mm}) * \sqrt{2.480\text{GHz}} = 0.22$$

exclusion=0.22<3.0 for 1-g SAR

So the SAR report is not required.