

## TEST REPORT

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

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

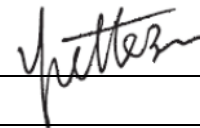
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Date of issue.....: **Aug. 10,2023**

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

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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<sup>®</sup>**  
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

Applicant : **DONGGUAN SIYILI INTELLIGENT TECHNOLOGY CO.,LTD**

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

Manufacturer : **DONGGUAN SIYILI INTELLIGENT TECHNOLOGY CO.,LTD**

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

<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.

## 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  $\leq 50$  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

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

where:

PT = transmitter output power in watts,

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

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

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

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

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

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

$$So PT = EIRP / GT = 0.0006W / 0.87 * 1000 = 0.7mW$$

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

exclusion=0.22<3.0 for 1-g SAR

So the SAR report is not required.