

# RF EXPOSURE REPORT

|           |                                   |
|-----------|-----------------------------------|
| Applicant | GOLABS INC.                       |
| Address   | 2201 LUNA RD CARROLLTON, TX 75006 |

|                                      |                                                                                   |
|--------------------------------------|-----------------------------------------------------------------------------------|
| Manufacturer or Supplier             | ZHE JIANG TAOTAO VEHICLES CO., LTD                                                |
| Address                              | No.10 XINYUAN ROAD, XINBI STREET, JINYUN COUNTY LISHUI City ZHEJIANG 321400 CHINA |
| Product                              | A SMARTER HOVERBOARD                                                              |
| Brand Name                           | GOTRAX                                                                            |
| Model                                | PB-656-1                                                                          |
| Additional Models & Model Difference | F3 PLUS, STARZ ,See items 1                                                       |
| Date of tests                        | May 23, 2023 ~ Jun. 27, 2023                                                      |

☒ FCC Part 2 (Section 2.1093)

☒ KDB 447498 D01

☒ IEEE C95.1

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

|                                                                                     |                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Tested by Loren Luo<br>Project Engineer / EMC Department                            | Approved by Glyn He<br>Assistant Manager / EMC Department                            |
|  |  |
|                                                                                     | Date: Jun. 30, 2023                                                                  |

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Test Report No.: FM2305WDG0179

## TABLE OF CONTENTS

|                                        |   |
|----------------------------------------|---|
| RELEASE CONTROL RECORD .....           | 3 |
| 1. CERTIFICATION.....                  | 4 |
| 2. RF EXPOSURE DEFINE.....             | 5 |
| 3. CLASSIFICATION .....                | 5 |
| 4. SAR TEST EXCLUSION THRESHOLDS ..... | 6 |



Test Report No.: FM2305WDG0179

## RELEASE CONTROL RECORD

| ISSUE NO.     | REASON FOR CHANGE | DATE ISSUED   |
|---------------|-------------------|---------------|
| FM2305WDG0179 | Original release  | Jun. 30, 2023 |

## 1. CERTIFICATION

|                        |                             |
|------------------------|-----------------------------|
| <b>FCC ID:</b>         | 2AWFV-F3PLUS                |
| <b>PRODUCT:</b>        | A SMARTER HOVERBOARD        |
| <b>BRAND NAME:</b>     | GOTRAX                      |
| <b>MODEL NO.:</b>      | PB-656-1, STARZ             |
| <b>ADDITIONAL NO.:</b> | F3 PLUS                     |
| <b>APPLICANT:</b>      | GOLABS INC.                 |
| <b>STANDARDS:</b>      | FCC Part 2 (Section 2.1093) |
|                        | KDB 447498 D01              |
|                        | IEEE C95.1                  |

## 2. RF EXPOSURE DEFINE

The corresponding SAR Exclusion Threshold condition, listed below:

- 1) 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, 16 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
- 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) At 100 MHz to 6 GHz and for test separation distances  $> 50$  mm, the SAR test exclusion threshold is determined according to the following:
- a) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)  $\cdot$  (f(MHz)/150)] mW, at 100MHz to 1500 MHz
  - b) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)  $\cdot$  10] mW at  $> 1500$  MHz and  $\leq 6$  GHz
- 3) At frequencies below 100 MHz, the following may be considered for SAR test exclusion.
- a) The threshold at the corresponding test separation distance at 100 MHz in step 2) is multiplied by  $[1 + \log(100/f(\text{MHz}))]$  for test separation distances  $> 50$  mm and  $< 200$  mm.
  - b) The threshold determined by the equation in a) for 50 mm and 100 MHz is multiplied by  $\frac{1}{2}$  for test separation distances  $\leq 50$  mm.
  - c) SAR measurement procedures are not established below 100 MHz. When SAR test exclusion cannot be applied, a KDB inquiry is required to determine SAR evaluation requirements for any test results to be acceptable.

## 3. CLASSIFICATION

The antenna of this product, under normal use condition, is at less than 20cm away from the body of the user. So, this device is classified as **Portable Device**.

## 4. SAR TEST EXCLUSION THRESHOLDS

The tuned conducted Average Power (declared by client)

| Mode  | Frequency (MHz) | Target Power (dBm) | Tolerance (dBm) | Lower Tolerance (dBm) | Upper Tolerance (dBm) |
|-------|-----------------|--------------------|-----------------|-----------------------|-----------------------|
| GFSK  | 2402-2480       | -2                 | +2              | -4                    | 0                     |
| 8DPSK | 2402-2480       | -3                 | +2              | -5                    | -1                    |

The measured conducted Average Power

| Mode  | Frequency (MHz) | Averaged Power (dBm) |
|-------|-----------------|----------------------|
| GFSK  | 2480            | -1.03                |
| 8DPSK | 2480            | -2.16                |

### SAR Test Exclusion Thresholds

| Frequency (MHz) | Maximum source-based time averaged conducted output power (dBm) | Minimum separation distance (mm) | Result of Eq. 1 | Limit for 1-g SAR | Limit for 10-g extremity SAR | Verdict         |
|-----------------|-----------------------------------------------------------------|----------------------------------|-----------------|-------------------|------------------------------|-----------------|
| 2402-2480       | 0                                                               | 5                                | 0.315           | 3.0               | 7.5                          | Exempt from SAR |

### Conclusion

Therefore this device complies with FCC's RF radiation exposure limits for general population without SAR evaluation.