RF EXPOSURE REPORT

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

Manufacturer or Supplier	ZHEJIANG TAOTAO VEHICLES CO., LTD.
Address	No.10 XINYUAN ROAD, XINBI STREET, JINYUN COUNTY LISHUI City ZHEJIANG 321400 CHINA
Product	A SMARTER HOVERBOARD
Brand Name	HOVERBOARD, GOTRAX
Model	PB-632-4
Additional Model & Model Difference	PILOT,PB-632-1, see item 1
Date of tests	Jun. 30, 2022 ~ Jul. 26, 2022

☒ **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 Andy Zhu Supervisor / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	
	Date: Aug. 22, 2022

Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2206WDG0263	Original release	Aug. 15, 2022

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1. CERTIFICATION

FCC ID:	2AWFV-PILOT
PRODUCT:	A SMARTER HOVERBOARD
BRAND NAME:	HOVERBOARD, GOTRAX
MODEL NO.:	PB-632-4
ADDITIONAL NO.:	PILOT,PB-632-1
APPLICANT:	GOLABS INC.
STANDARDS:	FCC Part 2 (Section 2.1093)
	KDB 447498 D01
	IEEE C95.1

NOTES:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
3. Please refer to the EUT photo document (Reference No.: 2206WDG0263) for detailed product photo.
4. The additional models（see above table）are different from the test model PB-632-4 in the tires, but the circuit parameters and internal structure are exactly the same. The Model PB-632-4 used tires with LED lights, other models used tires without LED lights. Both modes tested CE item and RE item (below 1GHz), and the worst data recorded in this report.
5. The EUT was powered by the following adapter:

ADAPTER	
BRAND:	N/A
MODEL:	FY0424200850
INPUT:	AC 100-240V 50/60Hz 1.5A.
OUTPUT:	DC 42V/0.85A
DC LINE:	Unshielded, Non-detachable, 150cm

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 ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,16 where

- f(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 ≤ 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)·(f(MHz)/150)] mW, at 100MHz to 1500 MHz
   b) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)·10] mW at > 1500 MHz and ≤ 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(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 ½ for test separation distances ≤ 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)
BT-LE 2Mbps	2402-2440	-3	+-2	-5	-1
BT-LE 2Mbps	2442-2480	-2	+-2	-4	0

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
BT-LE 2Mbps	2480	-0.48

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	Verdict
2402-2480	0	5	0.315	3.0	Exempt from SAR

Conclusion

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