

# RF EXPOSURE REPORT

|           |                                                    |
|-----------|----------------------------------------------------|
| Applicant | Jetson Electric Bikes LLC.                         |
| Address   | 86 34th Street 4th Floor Jetson Brooklyn, NY 11232 |

|                                     |                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manufacturer or Supplier            | 1. Yueyang Aidaxing Intelligent Technology CO.,LTD<br>2. Jiangsu Gopal Intelligent Technology Co., Ltd                                                                                                                                                                                                                   |
| Address                             | 1. 3F, 4F, 5F, BUILDING 9, YUEYANG MODERN EQUIPMENT MANUFACTURING INDUSTRIAL PARK, MULIGANG COMMUNITY, MULIGANG, YUEYANG ECONOMIC AND TECHNOLOGICAL DEVELOPMENT ZONE, YUEYANG CITY, HUNAN PROVINCE, CHINA<br>2. No.199 Guanjiang Rd, Xiangshui Economic Development Zone, Xiangshui County, Yancheng City, Jiangsu China |
| Product                             | Hoverboard                                                                                                                                                                                                                                                                                                               |
| Brand Name                          | JETSON                                                                                                                                                                                                                                                                                                                   |
| Model                               | PLASMA X                                                                                                                                                                                                                                                                                                                 |
| Additional Model & Model Difference | MOJO, PRISM, Plasma X, JPLSMX-BLK, JPLSMX IRS, JPLSMX-OS-BLK, JPLSMX-OS-IRS; see items 1.1                                                                                                                                                                                                                               |
| Date of tests                       | Apr. 25, 2022 ~ May 26, 2022                                                                                                                                                                                                                                                                                             |

☒ **FCC Part 2 (Section 2.1093)**

☒ **KDB 447498 D01 V06**

☒ **IEEE C95.1**

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

Tested by Eric Fang  
Project Engineer / EMC Department

Approved by Glyn He  
Assistant Manager / EMC Department




Date: Feb. 21, 2024

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## RELEASE CONTROL RECORD

| ISSUE NO.     | REASON FOR CHANGE                                                                                                                                                                                            | DATE ISSUED   |
|---------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| FM2204WDG0388 | Original release                                                                                                                                                                                             | May 31, 2022  |
| FM2401WDG0102 | Based on the original report FM2204WDG0388 added an adapter, added additional models, updated the antenna gain(but the antenna hasn't changed), but it doesn't need to be retested after engineer evaluated. | Feb. 21, 2024 |

## 1. CERTIFICATION

|                        |                                                                             |
|------------------------|-----------------------------------------------------------------------------|
| <b>FCC ID:</b>         | 2AQM6PLASMAX                                                                |
| <b>PRODUCT:</b>        | Hoverboard                                                                  |
| <b>BRAND NAME:</b>     | JETSON                                                                      |
| <b>MODEL NO.:</b>      | PLASMA X                                                                    |
| <b>ADDITIONAL NO.:</b> | MOJO, PRISM, Plasma X, JPLSMX-BLK, JPLSMX IRS, JPLSMX-OS-BLK, JPLSMX-OS-IRS |
| <b>APPLICANT:</b>      | Jetson Electric Bikes LLC.                                                  |
| <b>STANDARDS:</b>      | FCC Part 2 (Section 2.1093)                                                 |
|                        | KDB 447498 D01 V06                                                          |
|                        | IEEE C95.1                                                                  |

Remark: Additional models (See above table) are identical with the test model PLASMA X except the color of appearance and model number for trading purpose

## 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) |
|-------|-----------------|--------------------|-----------------|-----------------------|-----------------------|
| BT-LE | 2402-2480       | 3.5                | +/-1.5          | 2                     | 5                     |

The measured conducted Average Power

| Mode  | Frequency (MHz) | Averaged Power (dBm) |
|-------|-----------------|----------------------|
| BT-LE | 2480            | 3.69                 |

### 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       | 5                                                               | 5                                | 0.98            | 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.