

## RF Exposure Report

**Report No.:** SABCIB-WTW-P21050220

**FCC ID:** 2AA3N-PT01

**Test Model:** PT01

**Received Date:** May 6, 2021

**Test Date:** May 20 to Aug. 10, 2021

**Issued Date:** Oct. 12, 2021

**Applicant:** Peloton Interactive Inc.

**Address:** 125 W 25th Street, 11th Floor, New York, NY, 10001, USA

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch  
Lin Kou Laboratories

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

**FCC Registration /**  
**Designation Number:** 198487 / TW2021



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### Release Control Record

| Issue No.            | Description       | Date Issued   |
|----------------------|-------------------|---------------|
| SABCIB-WTW-P21050220 | Original release. | Oct. 12, 2021 |

## 1 Certificate of Conformity

**Product:** Peloton Guide (Set Top Box)

**Brand:** Peloton

**Test Model:** PT01

**Sample Status:** Engineering sample

**Applicant:** Peloton Interactive Inc.

**Test Date:** May 20 to Aug. 10, 2021

**Standards:** FCC Part 2 (Section 2.1091)

**References Test Guidance:** KDB 447498 D01 General RF Exposure Guidance v06

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

**Prepared by :** Annie Chang, **Date:** Oct. 12, 2021  
Annie Chang / Senior Specialist

**Approved by :** Rex Lai, **Date:** Oct. 12, 2021  
Rex Lai / Associate Technical Manager

## 2 RF Exposure

### 2.1 Limits For Maximum Permissible Exposure (MPE)

| Frequency Range (MHz)                                 | Electric Field Strength (V/m) | Magnetic Field Strength (A/m) | Power Density (mW/cm <sup>2</sup> ) | Average Time (minutes) |
|-------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------------|------------------------|
| Limits For General Population / Uncontrolled Exposure |                               |                               |                                     |                        |
| 0.3-1.34                                              | 614                           | 1.63                          | (100)*                              | 30                     |
| 1.34-30                                               | 824/f                         | 2.19/f                        | (180/f <sup>2</sup> )*              | 30                     |
| 30-300                                                | 27.5                          | 0.073                         | 0.2                                 | 30                     |
| 300-1500                                              | ...                           | ...                           | f/1500                              | 30                     |
| 1500-100,000                                          | ...                           | ...                           | 1.0                                 | 30                     |

f = Frequency in MHz ; \*Plane-wave equivalent power density

### 2.2 MPE Calculation Formula

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = output power to antenna in mW

$G$  = gain of antenna in linear scale

$\pi$  = 3.1416

$R$  = distance between observation point and center of the radiator in cm

### 2.3 Classification

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

### 2.4 Antenna Gain

| Function | Frequency (MHz)                                     | Ant 1 Peak Gain (dBi) | Ant 2 Peak Gain (dBi) | Antenna Type | Connector |
|----------|-----------------------------------------------------|-----------------------|-----------------------|--------------|-----------|
| WLAN     | 2412-2462                                           | 1.3                   | 1.85                  | PIFA         | IPEX MHF1 |
| WLAN     | 5180-5240,<br>5260-5320,<br>5500-5700,<br>5745-5825 | 2.88                  | 3.18                  |              |           |
| BT EDR   | 2402-2480                                           | 1.3                   | -                     |              |           |
| BT LE    | 2402-2480                                           | 1.3                   | -                     |              |           |

Note: The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

## 2.5 Calculation Result Of Maximum Conducted Power

| Function | Frequency Band (MHz) | Max AV Power (dBm) | Antenna Gain (dBi) | Distance (cm) | Power Density (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) |
|----------|----------------------|--------------------|--------------------|---------------|-------------------------------------|-----------------------------|
| WLAN     | 2412-2462            | 20.98              | 4.59               | 20            | 0.0717                              | 1                           |
| WLAN     | 5180-5240            | 18.06              | 6.04               | 20            | 0.0511                              | 1                           |
| WLAN     | 5260-5320            | 18.19              | 6.04               | 20            | 0.0527                              | 1                           |
| WLAN     | 5500-5700            | 18.30              | 6.04               | 20            | 0.0540                              | 1                           |
| WLAN     | 5745-5825            | 18.12              | 6.04               | 20            | 0.0518                              | 1                           |
| BT EDR   | 2402-2480            | 7.74               | 1.3                | 20            | 0.0016                              | 1                           |
| BT LE    | 2402-2480            | 5.95               | 1.3                | 20            | 0.0011                              | 1                           |

Note:

2.4GHz Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2/2] = 4.59\text{dBi}$

5.0GHz Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2/2] = 6.04\text{dBi}$

Note:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. WLAN & Bluetooth technologies cannot transmit at same time.

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