

## 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

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**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.

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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

$$Pd = (Pout * G) / (4 * \pi * r^2)$$

where

Pd = power density in mW/cm<sup>2</sup>

Pout = 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, 5260-5320, 5500-5700, 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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