

PELTON INTERACTIVE, INC.

TEST REPORT

SCOPE OF WORK:

47 CFR FCC Part 15.249 – Radio Spectrum report

Model:

PLTN-TC1VS-2

REPORT NUMBER

210500074THC-001

ISSUE DATE

May 31, 2021

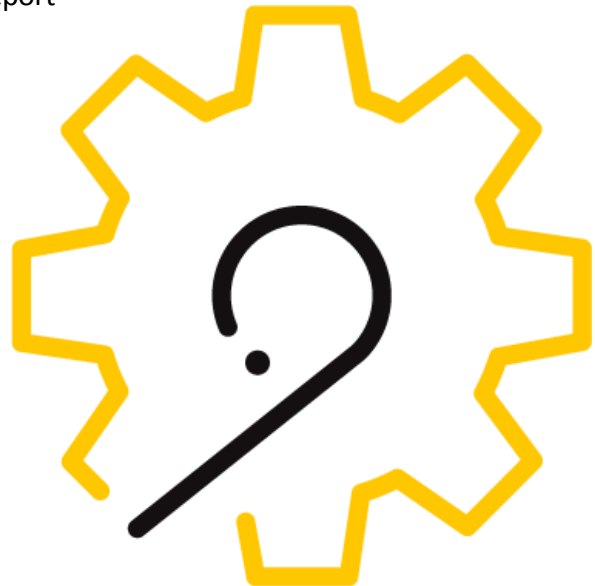
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DOCUMENT CONTROL NUMBER

GFT-OP-10h (28-Nov-2018)

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FCC TEST REPORT

(Spot Check)

| | |
|-------------------------------|--|
| Applicant: | PELOTON INTERACTIVE, INC. 125 West 25th street, FL11, New York, NY 10001, USA |
| Product: | Peloton Tread Tablet |
| Model No.: | PLTN-TC1VS-2 |
| FCC ID: | 2AA3N- TC1VS2 |
| Test Method/ Standard: | 47 CFR FCC Part 15.249 & ANSI C63.10 2013 |
| Test By: | Intertek Testing Services Taiwan Ltd., Hsinchu Laboratory No. 11, Lane 275, Ko-Nan 1 Street, Chia-Tung Li, Shiang-Shan District, Hsinchu City, Taiwan |



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Engineer

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Reviewer

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TEST REPORT

Revision History

| Report No. | Issue Date | Revision Summary |
|------------------|---------------|---|
| 180300423TWN-001 | Jul. 12, 2018 | Original report (FCC ID: 2AA3N- TC1VS) |
| 210500074THC-001 | May 31, 2021 | The NFC module was removed from the EUT. Based on engineering judgement, spot testing was deemed necessary. |

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Summary of Test Data

| Test Requirement | Applicable Rule | Result |
|------------------------|-----------------|--------|
| Radiated Emission test | 15.249 | Pass |

Note: Please note that the test results with statement of conformity, the decision rules which are based on: Safety Testing: the specification, standard or IEC Guide 115.

Other Testing: the specification, standard and not taking into account the measurement uncertainty.

1. General Information

1.1 Identification of the EUT

| | |
|-------------------------------|------------------------------|
| Product: | Peloton Tread Tablet |
| Model No.: | PLTN-TC1VS-2 |
| Operating Frequency: | 2402 MHz, 2440 MHz, 2480 MHz |
| Channel Number: | 3 channels |
| Rated Power: | DC 24V from adapter |
| Power Cord: | N/A |
| Sample receiving date: | 2021/05/05 |
| Sample condition: | Workable |
| Test Date(s): | 2021/05/14 |

1.2 Antenna description

Antenna Gain : 2.5 dBi

Antenna Type : PIFA Antenna

Connector Type : I-PEX

1.3 Operation mode

Test Procedure : The EUT used "ANTware II-v.4.1.exe" to select different frequency and modulation.

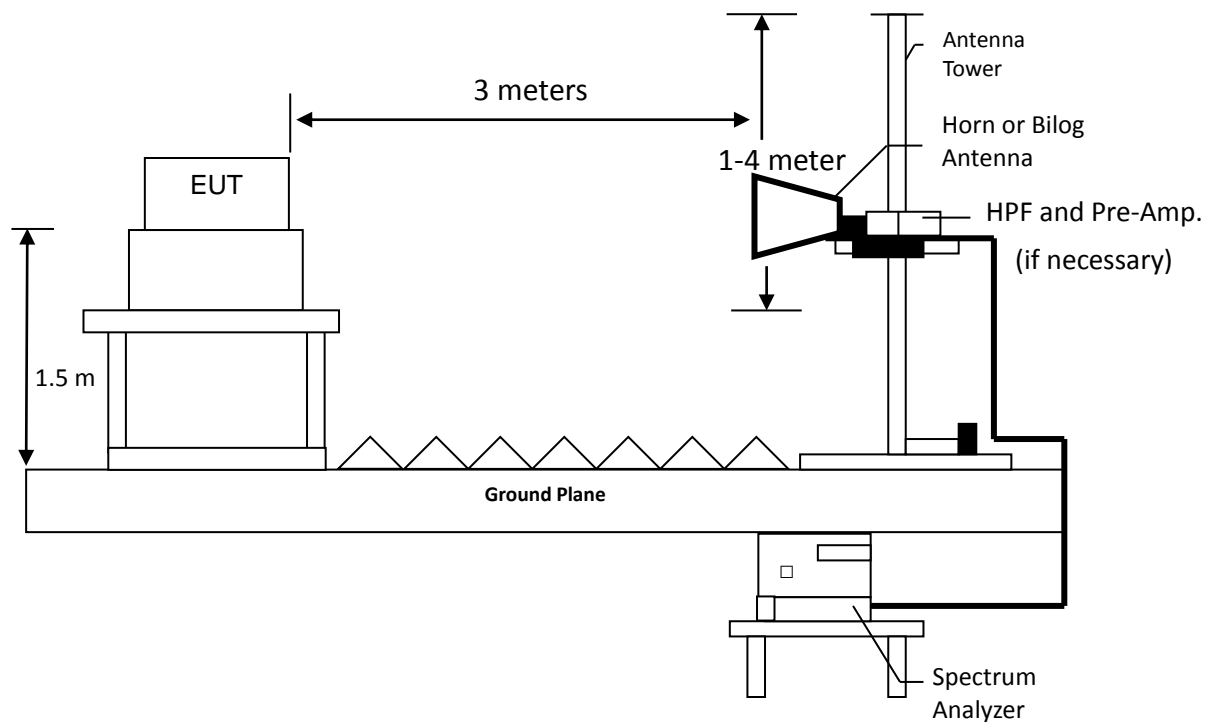
Operating Frequency: 2402 、 2440 、 2480MHz .

1.4 Peripherals equipment

| Peripherals | Brand | Model No. | Serial No. | Data cable |
|-------------|-------|--------------|------------|------------|
| Adapter | EDAC | EA10681V-240 | N/A | N/A |

2. Radiated emission test

2.1 Test setup & procedure



Radiated emissions were investigated cover the frequency range from 30MHz to 1000MHz using a receiver RBW of 120kHz record QP reading, and the frequency over 1GHz using a spectrum analyzer RBW of 1MHz and 10Hz VBW record Average reading. (15.209 paragraph), the Peak reading (1 MHz RBW/ 3 MHz VBW) recorded also on the report.

The EUT for testing is arranged on a turntable. If some peripherals apply to the EUT, the peripherals will be connected to EUT and the whole system. During the test, all cables were arranged to produce worst-case emissions. The signal is maximized through rotation. The height of antenna and polarization is changing constantly for exploring for maximum signal level. The height of antenna can be up to 4 meters and down to 1 meter.

The measurement for radiated emission will be done at the distance of three meters unless the signal level is too low to measure at that distance. In the case of the reading under noise floor, a pre-amplifier is used and/or the test is conducted at a closer distance. And then all readings are extrapolated back to the equivalent three meter reading using inverse scaling with distance.

2.2 Fundamental and harmonics emission limits

| Frequency (MHz) | Field Strength of Fundamental | | Field Strength of Harmonics | |
|--------------------|-------------------------------|-------------|-----------------------------|-------------|
| | (mV/m@3m) | (dBuV/m@3m) | (uV/m@3m) | (dBuV/m@3m) |
| 2400-2483.5 | 50 | 94 | 500 | 54 |

2.3 Measurement results: Fundamental

| | |
|-------------------------|-----------|
| Temperature (°C) : | 27 |
| Relative Humidity (%) : | 57 |
| Test date : | 2021/5/14 |

| Mode | Frequency (MHz) | Spectrum Analyzer Detector | Ant. Pol. (H/V) | Correction Factor (dB/m) | Reading (dBμV) | Corrected Reading (dBμV/m) | Limit @ 3 m (dBμV/m) | Margin (dB) |
|-----------------|--------------------|----------------------------------|-----------------------|--------------------------------|-------------------|----------------------------------|----------------------------|----------------|
| ANT+ Ch High | 2480 | PK | V | 34.81 | 50.82 | 85.63 | 114.00 | -28.37 |
| | | PK | H | 34.81 | 53.52 | 88.33 | 114.00 | -25.67 |

Remark: Correction Factor = Antenna Factor + Cable Loss

Appendix A: Test equipment list

| Test Equipment/ Test site | Brand | Model No. | Serial No. | Calibration Date | Next Calibration Date |
|--------------------------------------|-----------------|---------------|------------|---------------------|-----------------------------|
| EMI Test Receiver | Rohde & Schwarz | ESR7 | 101822 | 2020/08/18 | 2021/08/17 |
| Signal Analyzer | Agilent | N9030A | MY51380492 | 2020/08/17 | 2021/08/16 |
| Horn Antenna | SHWARZBECK | BBHA 9120 D | 9120D-456 | 2021/01/11 | 2022/01/10 |
| Pre-Amplifier | EMC Co. | EMC12635SE | 980205 | 2021/01/13 | 2022/01/12 |
| 966-2(A) Cable | SUHNER | SUCOLEX 104 | 295105/4 | 2021/03/08 | 2022/03/07 |
| 966-2(B) Cable | SUHNER | SUCOFLEX 104P | CB0005 | 2021/03/08 | 2022/03/07 |
| 966-2_3m Semi-Anechoic Chamber | 966_2 | CEM-966_2 | N/A | 2021/01/15 | 2022/01/14 |
| Test software | Audix | e3 | V9 | NCR | NCR |

Note: No Calibration Required (NCR).

Appendix B: Measurement Uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of $k=2$.

| Item | Uncertainty |
|--|-------------|
| Radiated disturbances from 1GHz~18GHz in a semi-anechoic chamber at a distance of 3m | 5.17 dB |