

# RF Test Report

## (UWB)

**Report No.:** JYTSZ-R12-2600587

**Applicant:** Lumistar (Shanghai) Robotics Technology Co., Ltd.

**Address of Applicant:** Room 340, Building 1, No. 299 Zhongchen Road, Songjiang District, Shanghai

**Equipment Under Test (EUT)**

Product Name: TERO Smart Tennis Ball Machine/TERO PRO AI Tennis Ball Machine

Model No.: HYWT002, HYWS001

Trade Mark: LUMISTAR

**FCC ID:** 2BTUN-HYWS001

**Applicable Standards:** FCC CFR Title 47 Part 15F (§15.521)

**Date of Sample Receipt:** 31 Jul., 2026

**Date of Test:** 01 Aug., to 20 Aug., 2026

**Date of Report Issued:** 21 Aug., 2026

**Test Result:** PASS

**Tested by:** \_\_\_\_\_

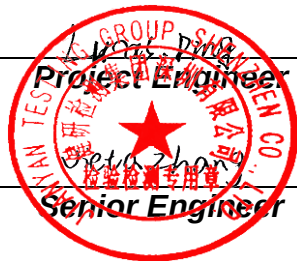
**Date:** 21 Aug., 2026

**Reviewed by:** \_\_\_\_\_

**Date:** 21 Aug., 2026

**Approved by:** \_\_\_\_\_

**Date:** 21 Aug., 2026



*James Wei*  
**Manager**

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

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## 2 Version

| Version No. | Date          | Description |
|-------------|---------------|-------------|
| 00          | 21 Aug., 2026 | Original    |
|             |               |             |
|             |               |             |
|             |               |             |
|             |               |             |

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## 4 General Information

### 4.1 Client Information

|               |                                                                                                                                     |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Applicant:    | Lumistar (Shanghai) Robotics Technology Co., Ltd.                                                                                   |
| Address:      | Room 340, Building 1, No. 299 Zhongchen Road, Songjiang District, Shanghai                                                          |
| Manufacturer: | Lumistar (Shanghai) Robotics Technology Co., Ltd.                                                                                   |
| Address:      | Room 340, Building 1, No. 299 Zhongchen Road, Songjiang District, Shanghai                                                          |
| Factory:      | TENMA PRECISION (SHENZHEN) CO., LTD.                                                                                                |
| Address:      | 101, BUILDING D, NO. 2 NIKENG 3RD ROAD, XINLAN COMMUNITY, GUANLAN STREET, LONGHUA DISTRICT, SHENZHENCITY, GUANGDONG PROVINCE, CHINA |

### 4.2 General Description of E.U.T.

|                        |                                                                                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name:          | TERO Smart Tennis Ball Machine/TERO PRO AI Tennis Ball Machine                                                                                                                                                       |
| Model No.:             | HYWT002, HYWS001                                                                                                                                                                                                     |
| Operation Frequency:   | CH9: 7987.2 MHz                                                                                                                                                                                                      |
| Channel Numbers:       | 1                                                                                                                                                                                                                    |
| Modulation Technology: | BPSK                                                                                                                                                                                                                 |
| Antenna Type:          | Internal Antenna                                                                                                                                                                                                     |
| Antenna Gain:          | 6.899 dBi (declare by applicant)                                                                                                                                                                                     |
| Power Supply:          | Input: DC 27V, 2.2A<br>Rechargeable Li-ion Battery DC 21.9V, 8000mAh, 175.2Wh                                                                                                                                        |
| AC Adapter:            | Model: K65A270220E2<br>Input: AC100-240V, 50/60Hz, 1.5A<br>Output: DC 27.0V, 2.2A 59.4W                                                                                                                              |
| Remark:                | Model(HYWT002) and Model(HYWS001) were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being (Differences in Product Appearance and Accessories). |
| Test Sample Condition: | The test samples were provided in good working order with no visible defects.                                                                                                                                        |

### 4.3 Disclaimer

|                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Disclaimer:                                                                                                                                                                                                                                                                  |
| For the information or data provided by the client in this report, the relevant results or conclusions of this report are only made for these data or information. The testing laboratory is not responsible for the authenticity and accuracy of these data or information. |

## 4.4 Test Mode and Environment

|                               |                                                                     |
|-------------------------------|---------------------------------------------------------------------|
| <b>Test Mode:</b>             |                                                                     |
| Transmitting mode:            | Keep the EUT in continuous transmitting with modulation             |
| <b>Operating Environment:</b> |                                                                     |
| Temperature:                  | 15°C ~ 35°C                                                         |
| Humidity:                     | 20 % ~ 75 % RH                                                      |
| Atmospheric Pressure:         | 1008 mbar                                                           |
| Voltage:                      | Nominal: 21.9Vdc, Extreme: Low 18.9 Vdc, High 25.45Vdc              |
| Test Engineer:                | Lucas Ding(Conducted measurement)<br>Reiy Ren(Radiated measurement) |

## 4.5 Description of Test Auxiliary Equipment

The EUT has been tested as an independent unit.

## 4.6 Measurement Uncertainty

| Parameter                                     | Expanded Uncertainty<br>(Confidence of 95%(U = 2Uc(y))) |
|-----------------------------------------------|---------------------------------------------------------|
| Conducted Emission for LISN (9kHz ~ 150kHz)   | ±3.0 dB                                                 |
| Conducted Emission for LISN (150kHz ~ 30MHz)  | ±2.4 dB                                                 |
| Radiated Emission (30MHz ~ 200MHz) (3m SAC)   | ±4.6 dB                                                 |
| Radiated Emission (200MHz ~ 1000MHz) (3m SAC) | ±5.8 dB                                                 |
| Radiated Emission (1GHz ~ 6GHz) (3m SAC)      | ±4.5 dB                                                 |
| Radiated Emission (6GHz ~ 18GHz) (3m SAC)     | 4.7 dB                                                  |
| Radiated Emission (18GHz ~ 40GHz) (3m SAC)    | 5.34 dB                                                 |
| Radiated Emission (30MHz ~ 1000MHz) (10m SAC) | ±4.3 dB                                                 |
| Radiated Emission (30MHz ~ 1GHz) (3m FAR)     | 3.39 dB                                                 |
| Radiated Emission (1GHz ~ 18GHz) (3m FAR)     | 5.15 dB                                                 |
| Radiated Emission (18GHz ~ 40GHz) (3m FAR)    | 5.30 dB                                                 |

**Note:** All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

## 4.7 Additions to, Deviations, or Exclusions from the Method

No

## 4.8 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

- **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A.

- **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

- **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <https://portal.a2la.org/scopepdf/4346-01.pdf>

## 4.9 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.  
Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.  
Tel: +86-755-23118282, Fax: +86-755-23116366  
Email: info-JYTee@lets.com, Website: <http://jyt.lets.com>

## 4.10 Test Instruments List

| Radiated Emission(3m SAC):    |                 |                 |                  |                      |                          |
|-------------------------------|-----------------|-----------------|------------------|----------------------|--------------------------|
| Test Equipment                | Manufacturer    | Model No.       | Manage No.       | Cal. Date (mm-dd-yy) | Cal. Due date (mm-dd-yy) |
| 3m SAC                        | ETS             | 9m*6m*6m        | WXJ001-1         | 12-09-2025           | 12-08-2030               |
| Loop Antenna                  | Schwarzbeck     | FMZB 1519 B     | WXJ002-4         | 12-07-2025           | 12-06-2026               |
| BiConiLog Antenna             | Schwarzbeck     | VULB9163        | WXJ002           | 08-09-2025           | 08-08-2026               |
|                               |                 |                 |                  | 08-03-2026           | 08-02-2027               |
| Horn Antenna                  | Schwarzbeck     | BBHA9120D       | WXJ002-2         | 12-07-2025           | 12-06-2026               |
| Horn Antenna                  | Schwarzbeck     | BBHA9170        | WXJ002-5         | 12-07-2025           | 12-06-2026               |
| Pre-amplifier (30MHz ~ 1GHz)  | Schwarzbeck     | BBV9743B        | WXJ001-2         | 12-04-2025           | 12-03-2026               |
| Pre-amplifier (1GHz ~ 18GHz)  | SKET            | LNPA_0118G-50   | WXJ001-3         | 12-04-2025           | 12-03-2026               |
| Pre-amplifier (18GHz ~ 40GHz) | RF System       | TRLA-180400G45B | WXJ002-7         | 12-05-2025           | 12-04-2026               |
| EMI Test Receiver             | Rohde & Schwarz | ESRP7           | WXJ003-1         | 12-04-2025           | 12-03-2026               |
| Spectrum Analyzer             | Rohde & Schwarz | FSP 30          | WXJ004           | 12-04-2025           | 12-03-2026               |
| Spectrum Analyzer             | KEYSIGHT        | N9010B          | WXJ004-2         | 08-08-2025           | 08-07-2026               |
|                               |                 |                 |                  | 08-03-2026           | 08-02-2027               |
| Coaxial Cable (30MHz ~ 1GHz)  | JYTSZ           | JYT3M-1G-NN-8M  | WXG001-4         | 01-14-2026           | 01-13-2027               |
| Coaxial Cable (1GHz ~ 18GHz)  | JYTSZ           | JYT3M-18G-NN-8M | WXG001-5         | 01-14-2026           | 01-13-2027               |
| Coaxial Cable (18GHz ~ 40GHz) | JYTSZ           | JYT3M-40G-SS-8M | WXG001-7         | 01-14-2026           | 01-13-2027               |
| Band Reject Filter Group      | Tonscend        | JS0806-F        | WXJ089           | N/A                  |                          |
| Test Software                 | Tonscend        | TS+             | Version: 3.0.0.1 |                      |                          |

| Radiated Emission(3m FAR):    |                 |                 |                |                      |                          |
|-------------------------------|-----------------|-----------------|----------------|----------------------|--------------------------|
| Test Equipment                | Manufacturer    | Model No.       | Manage No.     | Cal. Date (mm-dd-yy) | Cal. Due date (mm-dd-yy) |
| 3m FAR                        | YUNYI           | 9m*6m*6m        | WXJ097         | 06-15-2023           | 06-14-2028               |
| BiConiLog Antenna             | Schwarzbeck     | VULB9163        | WXJ097-2       | 04-13-2026           | 04-12-2027               |
| Biconical Antenna             | Schwarzbeck     | VUBA9117        | WXJ002-1       | 07-01-2024           | 06-30-2027               |
| Horn Antenna                  | Schwarzbeck     | BBHA9120D       | WXJ097-3       | 04-30-2026           | 04-29-2027               |
| Horn Antenna                  | Schwarzbeck     | BBHA9120D       | WXJ002-3       | 12-07-2025           | 12-06-2026               |
| Horn Antenna                  | Schwarzbeck     | BBHA9170        | WXJ002-5       | 12-07-2025           | 12-06-2026               |
| Horn Antenna                  | Schwarzbeck     | BBHA9170        | WXJ002-6       | 12-07-2025           | 12-06-2026               |
| Pre-amplifier (30MHz ~ 1GHz)  | YUNYI           | PAM-310N        | WXJ097-5       | 03-30-2026           | 03-29-2027               |
| Pre-amplifier (1GHz ~ 18GHz)  | YUNYI           | PAM-118N        | WXJ097-6       | 03-30-2026           | 03-29-2027               |
| Pre-amplifier (18GHz ~ 40GHz) | RF System       | TRLA-180400G45B | WXJ002-7       | 12-05-2025           | 12-04-2026               |
| EMI Test Receiver             | Rohde & Schwarz | ESCI3           | WXJ003         | 12-04-2025           | 12-03-2026               |
| Spectrum Analyzer             | Rohde & Schwarz | FSP 30          | WXJ004         | 12-04-2025           | 12-03-2026               |
| Spectrum Analyzer             | KEYSIGHT        | N9020B          | WXJ081-1       | 06-05-2026           | 06-04-2027               |
| Coaxial Cable (30MHz ~ 1GHz)  | JYTSZ           | JYT3M-1G-NN-13M | WXG097-1       | 07-26-2026           | 07-25-2027               |
| Coaxial Cable (1GHz ~ 18GHz)  | JYTSZ           | JYT3M-18G-NN-8M | WXG097-2       | 07-26-2026           | 07-25-2027               |
| Coaxial Cable (18GHz ~ 40GHz) | JYTSZ           | JYT3M-40G-SS-8M | WXG097-3       | 07-26-2026           | 07-25-2027               |
| High Band Reject Filter Group | Tonscend        | JS0806-F        | WXJ089         | N/A                  |                          |
| Low Band Reject Filter Group  | Tonscend        | JS0806-F        | WXJ097-4       | N/A                  |                          |
| Test Software                 | Tonscend        | TS+             | Version: 5.0.0 |                      |                          |

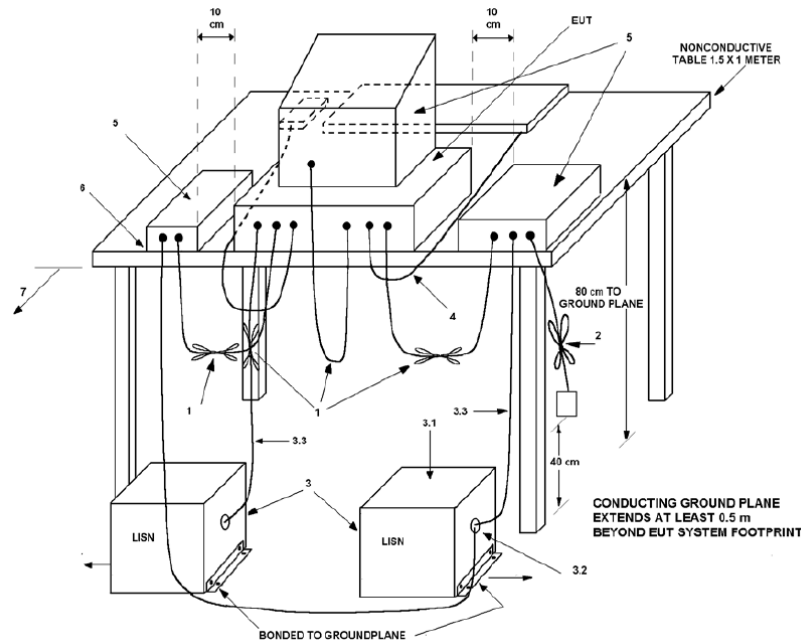
| Conducted Emission:               |                 |                |                    |                      |                          |
|-----------------------------------|-----------------|----------------|--------------------|----------------------|--------------------------|
| Test Equipment                    | Manufacturer    | Model No.      | Manage No.         | Cal. Date (mm-dd-yy) | Cal. Due date (mm-dd-yy) |
| EMI Test Receiver                 | Rohde & Schwarz | ESR3           | WXJ003-2           | 04-29-2026           | 04-28-2027               |
| LISN                              | Rohde & Schwarz | ENV432         | WXJ005-2           | 08-08-2025           | 08-07-2026               |
| LISN                              | Schwarzbeck     | NSLK 8127      | QCJ001-13          | 08-03-2026           | 08-02-2027               |
| LISN                              | Rohde & Schwarz | ESH3-Z5        | WXJ005-1           | 12-08-2025           | 12-07-2026               |
| LISN Coaxial Cable (9kHz ~ 30MHz) | JYTSZ           | JYTCE-1G-NN-2M | WXG003-1           | 12-04-2025           | 12-03-2026               |
| RF Switch                         | TOP PRECISION   | RSU0301        | WXG003             | 01-14-2026           | 01-13-2027               |
| Test Software                     | AUDIX           | E3             | N/A                |                      |                          |
|                                   |                 |                | Version: 6.110919b |                      |                          |

| Conducted Method: |              |           |            |                      |                          |
|-------------------|--------------|-----------|------------|----------------------|--------------------------|
| Test Equipment    | Manufacturer | Model No. | Manage No. | Cal. Date (mm-dd-yy) | Cal. Due date (mm-dd-yy) |
| Spectrum Analyzer | Keysight     | N9020B    | WXJ081-1   | 06-04-2026           | 06-03-2027               |

## 5 Measurement Setup and Procedure

### 5.1 Test Setup

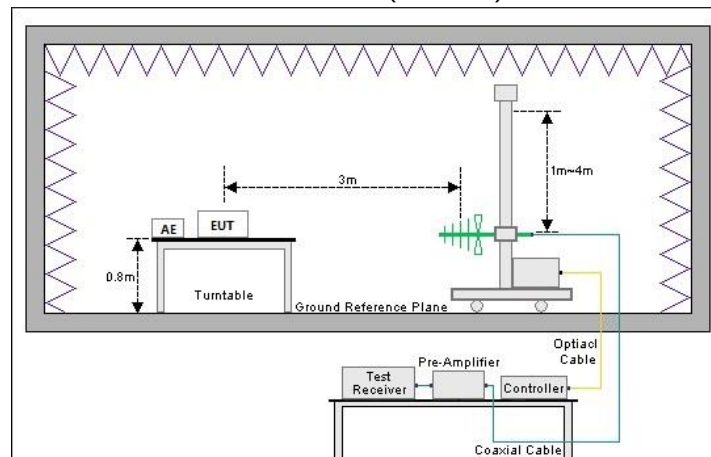
#### 1) Conducted emission measurement:

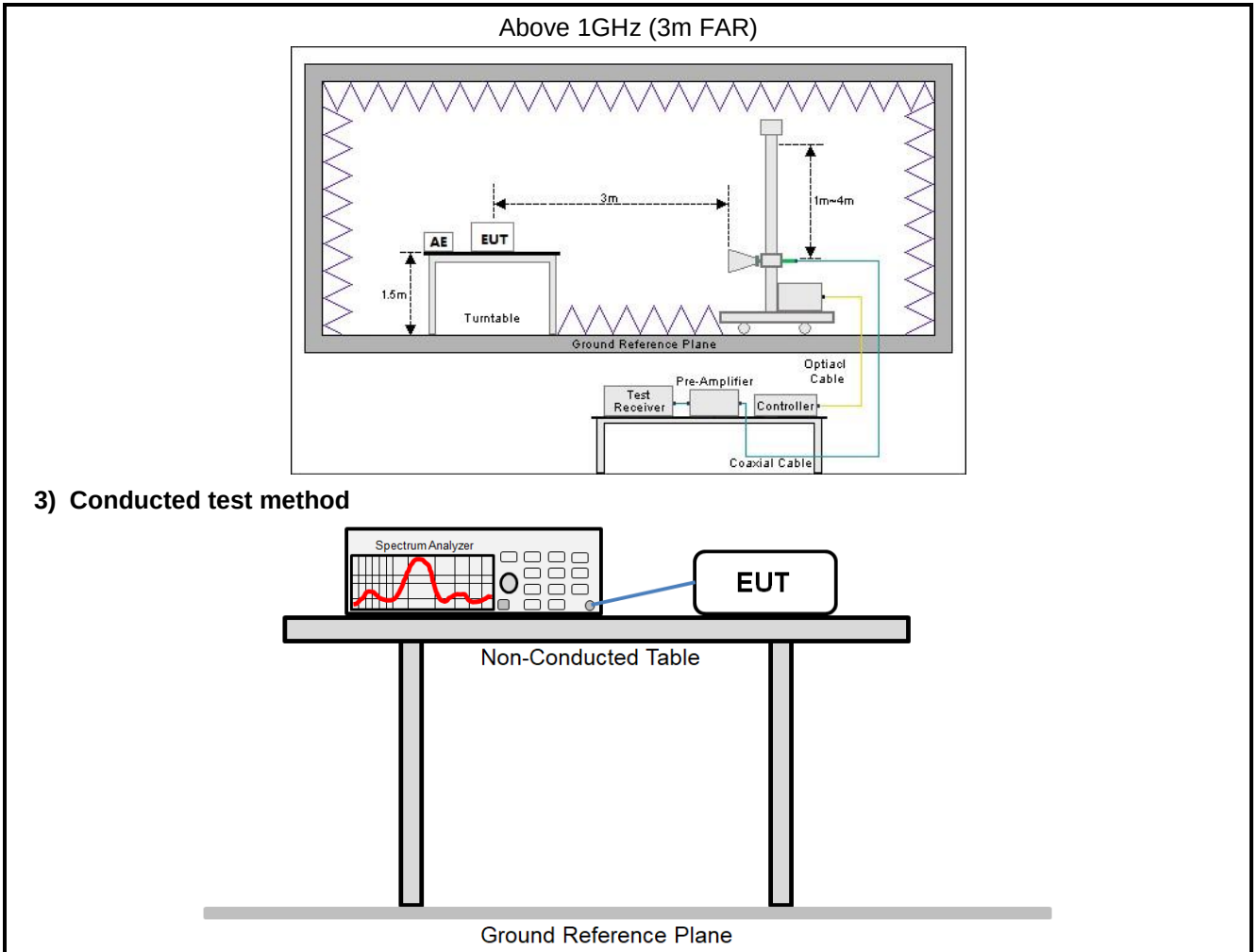


**Note:** The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

#### 2) Radiated emission measurement:

Below 1GHz (3m SAC)





## 5.2 Test Procedure

| Test method           | Test step                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conducted emission    | <ol style="list-style-type: none"> <li>1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).</li> <li>3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Radiated emission     | <p><b>For below 1GHz:</b></p> <ol style="list-style-type: none"> <li>1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m.</li> <li>2. EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y &amp; Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.</li> <li>3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.</li> </ol> <p><b>For above 1GHz:</b></p> <ol style="list-style-type: none"> <li>1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m.</li> <li>2. EUT works in each mode of operation that needs to be tested , and having the EUT continuously working, respectively on 3 axis (X, Y &amp; Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.</li> <li>3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.</li> </ol> |
| Conducted test method | <ol style="list-style-type: none"> <li>1. The transmit antenna port of EUT was connected to the test port of the test system through an RF cable.</li> <li>2. The EUT is keeping in continuous transmission mode and tested in all modulation modes.</li> <li>3. Test related items according to the standard and save the test data.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## 6 Test Results

### 6.1 Summary

#### 6.1.1 Clause and Data Summary

| Test items                                                                                                                                                                                                                                                   | Standard clause                                                                                                                               | Test Method                     | Test data       | Result |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------|--------|
| Antenna Requirement                                                                                                                                                                                                                                          | 15.203<br>15.521 (a)(2)                                                                                                                       | /                               | See Section 6.2 | Pass   |
| AC Power Line Conducted Emission                                                                                                                                                                                                                             | 15.207                                                                                                                                        | ANSI C63.10<br>clause 6.2       | See Section 6.3 | Pass   |
| -10dB Emission Bandwidth<br>99% Occupied Bandwidth                                                                                                                                                                                                           | 15.521 (e)                                                                                                                                    | ANSI C63.10<br>clause 10.1      | See Section 6.4 | Pass   |
| Radiated emissions                                                                                                                                                                                                                                           | 15.521(c) (d)                                                                                                                                 | ANSI C63.10<br>clause 10.2&10.3 | See Section 6.5 | Pass   |
| Peak Power                                                                                                                                                                                                                                                   | 15.521 (g)                                                                                                                                    | ANSI C63.10<br>clause 10.3.5    | See Section 6.6 | Pass   |
| <b>Remark:</b><br>1. Pass: The EUT complies with the essential requirements in the standard.<br>2. N/A: Not Applicable.<br>3. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer). |                                                                                                                                               |                                 |                 |        |
| <b>Test Method:</b>                                                                                                                                                                                                                                          | ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024<br>KDB 393764 ULTRA-WIDEBAND (UWB) DEVICES FREQUENTLY ASKED QUESTIONS. |                                 |                 |        |

## 6.1.2 Test Limit

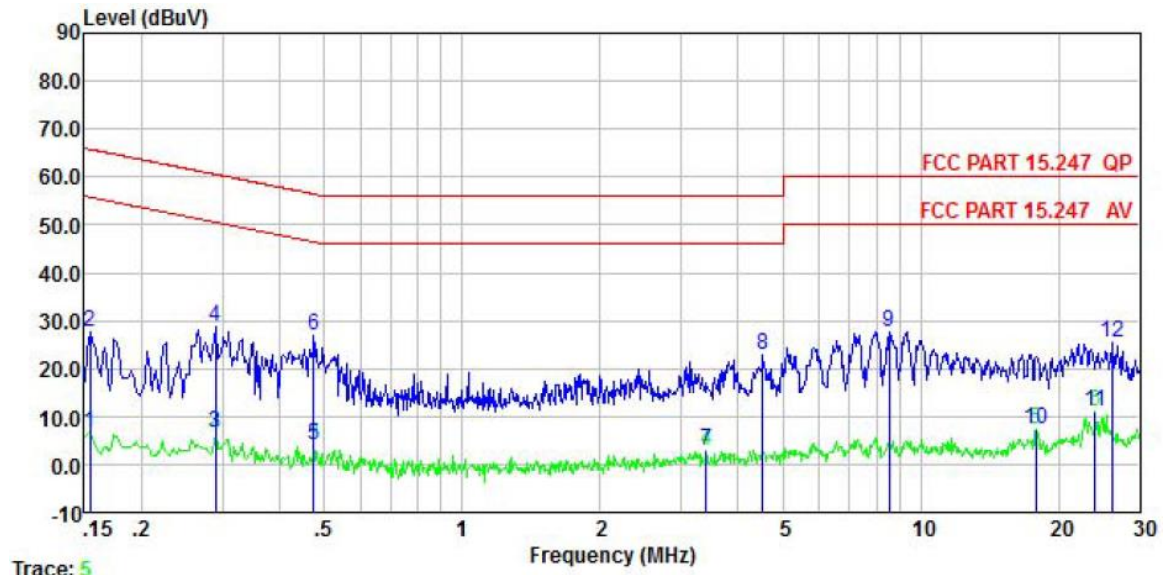
| Test items                       | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------|----------|------------|-----------|------------|--------------------------------|--------------------------------|------------|-------|-------------|--------|-----------------|------------|-----------|-------|-----------|-------|
| AC Power Line Conducted Emission | <table><tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBµV)</th></tr><tr><th>Quasi-Peak</th><th>Average</th></tr><tr><td>0.15 – 0.5</td><td>66 to 56 <small>Note 1</small></td><td>56 to 46 <small>Note 1</small></td></tr><tr><td>0.5 – 5</td><td>56</td><td>46</td></tr><tr><td>5 – 30</td><td>60</td><td>50</td></tr></table> <p><b>Note 1:</b> The limit level in dBµV decreases linearly with the logarithm of frequency.<br/><b>Note 2:</b> The more stringent limit applies at transition frequencies.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Frequency (MHz)                | Limit (dBµV) |          | Quasi-Peak | Average   | 0.15 – 0.5 | 66 to 56 <small>Note 1</small> | 56 to 46 <small>Note 1</small> | 0.5 – 5    | 56    | 46          | 5 – 30 | 60              | 50         |           |       |           |       |
| Frequency (MHz)                  | Limit (dBµV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |
|                                  | Quasi-Peak                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Average                        |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |
| 0.15 – 0.5                       | 66 to 56 <small>Note 1</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 56 to 46 <small>Note 1</small> |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |
| 0.5 – 5                          | 56                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 46                             |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |
| 5 – 30                           | 60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 50                             |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |
| -10dB Emission Bandwidth         | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |
| 99% Occupied Bandwidth           | An intentional radiator that, at any point in time, has a fractional bandwidth equal to or greater than 0.20 or has a UWB bandwidth equal to or greater than 500 MHz, regardless of the fractional bandwidth.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |
| Radiated emissions               | <p>(c) The radiated emissions at or below 960 MHz from a device operating under the provisions of this section shall not exceed the emission levels in § 15.209. The radiated emissions above 960 MHz from a device operating under the provisions of this section shall not exceed the following average limits when measured using a resolution bandwidth of 1 MHz:</p> <table><tr><th>Frequency (MHz)</th><th>EIRP (dBm)</th></tr><tr><td>960-1610</td><td>-75.3</td></tr><tr><td>1610-1990</td><td>-63.3</td></tr><tr><td>1990-3100</td><td>-61.3</td></tr><tr><td>3100-10600</td><td>-41.3</td></tr><tr><td>Above 10600</td><td>-61.3</td></tr></table> <p>(d) In addition to the radiated emission limits specified in the table in paragraph (c) of this section, UWB transmitters operating under the provisions of this section shall not exceed the following average limits when measured using a resolution bandwidth of no less than 1kHz:</p> <table><tr><th>Frequency (MHz)</th><th>EIRP (dBm)</th></tr><tr><td>1164-1240</td><td>-85.3</td></tr><tr><td>1559-1610</td><td>-85.3</td></tr></table> | Frequency (MHz)                | EIRP (dBm)   | 960-1610 | -75.3      | 1610-1990 | -63.3      | 1990-3100                      | -61.3                          | 3100-10600 | -41.3 | Above 10600 | -61.3  | Frequency (MHz) | EIRP (dBm) | 1164-1240 | -85.3 | 1559-1610 | -85.3 |
| Frequency (MHz)                  | EIRP (dBm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |
| 960-1610                         | -75.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |
| 1610-1990                        | -63.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |
| 1990-3100                        | -61.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |
| 3100-10600                       | -41.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |
| Above 10600                      | -61.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |
| Frequency (MHz)                  | EIRP (dBm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |
| 1164-1240                        | -85.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |
| 1559-1610                        | -85.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |
| Peak Power                       | There is a limit on the peak level of the emissions contained within a 50 MHz bandwidth centered on the frequency at which the highest radiated emission occurs, $f_M$ . That limit is 0 dBm EIRP. It is acceptable to employ a different resolution bandwidth, and a correspondingly different peak emission limit, following the procedures described in § 15.521.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                |              |          |            |           |            |                                |                                |            |       |             |        |                 |            |           |       |           |       |

## 6.2 Antenna Requirement

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>Standard Requirement:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FCC Part 15 C Section 15.203 |
| <b>15.203 requirement:</b><br>An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. |                              |
| <b>E.U.T Antenna:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |
| The EUT antenna is an internal antenna which cannot replace by end-user, the best case gain of the antenna is 6.899 dBi. See product internal photos for details.                                                                                                                                                                                                                                                                                                                |                              |

## 6.3 AC Power Line Conducted Emission

|                 |                                                                |                |          |
|-----------------|----------------------------------------------------------------|----------------|----------|
| Product name:   | TERO Smart Tennis Ball Machine/TERO PRO AI Tennis Ball Machine | Product model: | HYWT002  |
| Test by:        | Kiran Zeng                                                     | Test mode:     | UWB mode |
| Test frequency: | 150 kHz ~ 30 MHz                                               | Phase:         | Line     |
| Test voltage:   | AC 120 V/60 Hz                                                 |                |          |

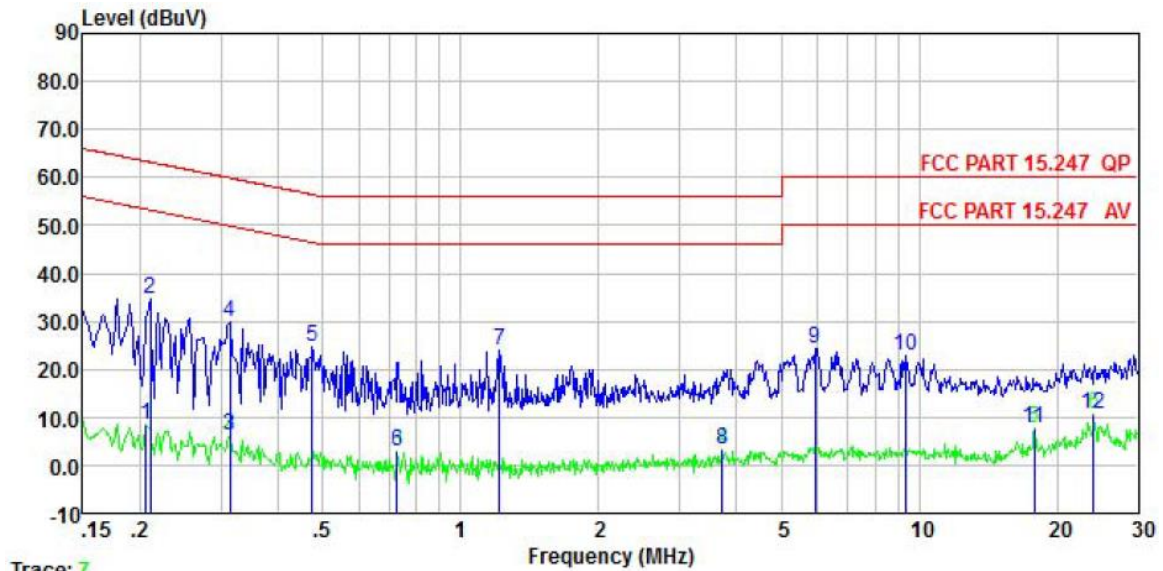


|    | Freq   | Read Level | LISN Factor | Aux Factor | Aux2 Factor | Cable Loss | Level | Limit Line | Over Limit | Remark  |
|----|--------|------------|-------------|------------|-------------|------------|-------|------------|------------|---------|
|    | MHz    | dBuV       | dB          | dB         | dB          | dB         | dBuV  | dBuV       | dB         |         |
| 1  | 0.154  | -13.30     | 10.19       | 0.00       | 9.88        | 0.00       | 6.77  | 55.78      | -49.01     | Average |
| 2  | 0.154  | 7.73       | 10.19       | 0.00       | 9.88        | 0.00       | 27.80 | 65.78      | -37.98     | QP      |
| 3  | 0.289  | -13.35     | 10.10       | 0.00       | 9.88        | 0.00       | 6.63  | 50.54      | -43.91     | Average |
| 4  | 0.289  | 8.72       | 10.10       | 0.00       | 9.88        | 0.00       | 28.70 | 60.54      | -31.84     | QP      |
| 5  | 0.474  | -16.16     | 10.14       | 0.00       | 9.88        | 0.00       | 3.86  | 46.45      | -42.59     | Average |
| 6  | 0.474  | 6.74       | 10.14       | 0.00       | 9.88        | 0.00       | 26.76 | 56.45      | -29.69     | QP      |
| 7  | 3.399  | -17.02     | 10.21       | 0.00       | 9.89        | 0.00       | 3.08  | 46.00      | -42.92     | Average |
| 8  | 4.525  | 2.88       | 10.21       | 0.00       | 9.89        | 0.00       | 22.98 | 56.00      | -33.02     | QP      |
| 9  | 8.546  | 7.52       | 10.35       | 0.00       | 9.91        | 0.00       | 27.78 | 60.00      | -32.22     | QP      |
| 10 | 17.849 | -13.21     | 10.56       | 0.00       | 9.95        | 0.00       | 7.30  | 50.00      | -42.70     | Average |
| 11 | 24.015 | -9.29      | 10.35       | 0.00       | 10.00       | 0.00       | 11.06 | 50.00      | -38.94     | Average |
| 12 | 26.278 | 4.94       | 10.33       | 0.00       | 10.01       | 0.00       | 25.28 | 60.00      | -34.72     | QP      |

### Remark:

1. Level = Read level + LISN Factor + Cable Loss.

|                 |                                                                |                |          |
|-----------------|----------------------------------------------------------------|----------------|----------|
| Product name:   | TERO Smart Tennis Ball Machine/TERO PRO AI Tennis Ball Machine | Product model: | HYWT002  |
| Test by:        | Kiran Zeng                                                     | Test mode:     | UWB mode |
| Test frequency: | 150 kHz ~ 30 MHz                                               | Phase:         | Neutral  |
| Test voltage:   | AC 120 V/60 Hz                                                 |                |          |



|    | Freq   | Read Level | LISN Factor | Aux Factor | Aux2 Factor | Cable Loss | Level | Limit Line | Over Limit | Remark  |
|----|--------|------------|-------------|------------|-------------|------------|-------|------------|------------|---------|
|    | MHz    | dBuV       | dB          | dB         | dB          | dB         | dBuV  | dBuV       | dB         |         |
| 1  | 0.206  | -11.64     | 10.20       | 0.00       | 9.88        | 0.00       | 8.44  | 53.36      | -44.92     | Average |
| 2  | 0.211  | 14.55      | 10.19       | 0.00       | 9.88        | 0.00       | 34.62 | 63.18      | -28.56     | QP      |
| 3  | 0.313  | -13.86     | 10.13       | 0.00       | 9.88        | 0.00       | 6.15  | 49.88      | -43.73     | Average |
| 4  | 0.313  | 10.01      | 10.13       | 0.00       | 9.88        | 0.00       | 30.02 | 59.88      | -29.86     | QP      |
| 5  | 0.474  | 4.50       | 10.18       | 0.00       | 9.88        | 0.00       | 24.56 | 56.45      | -31.89     | QP      |
| 6  | 0.727  | -17.29     | 10.30       | 0.00       | 9.88        | 0.00       | 2.89  | 46.00      | -43.11     | Average |
| 7  | 1.216  | 3.81       | 10.23       | 0.00       | 9.88        | 0.00       | 23.92 | 56.00      | -32.08     | QP      |
| 8  | 3.720  | -16.90     | 10.20       | 0.00       | 9.89        | 0.00       | 3.19  | 46.00      | -42.81     | Average |
| 9  | 5.929  | 4.17       | 10.25       | 0.00       | 9.90        | 0.00       | 24.32 | 60.00      | -35.68     | QP      |
| 10 | 9.352  | 2.76       | 10.30       | 0.00       | 9.91        | 0.00       | 22.97 | 60.00      | -37.03     | QP      |
| 11 | 17.849 | -12.72     | 10.60       | 0.00       | 9.95        | 0.00       | 7.83  | 50.00      | -42.17     | Average |
| 12 | 24.015 | -9.81      | 10.55       | 0.00       | 10.00       | 0.00       | 10.74 | 50.00      | -39.26     | Average |

**Remark:**

1. Level = Read level + LISN Factor + Cable Loss.

## 6.4 Emission Bandwidth

| Mode                   | Measurement (MHz) | Limit (MHz) | Results |
|------------------------|-------------------|-------------|---------|
| -10dB bandwidth        | 531.68            | 500         | Passed  |
| 99% Occupied Bandwidth | 677.33            | N/A         |         |

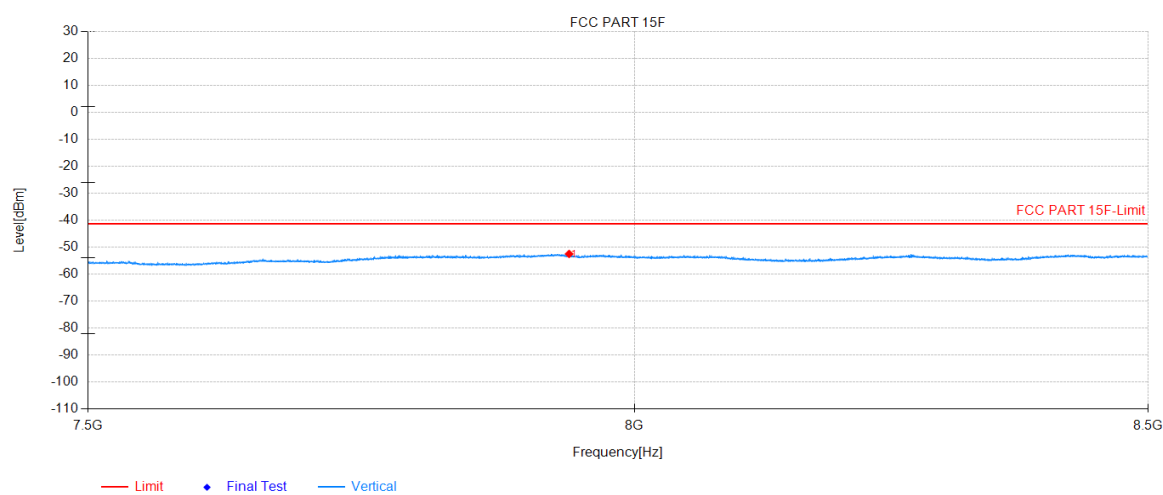
Test plot as follows:



## 6.5 Radiated emissions

### 6.5.1 Emissions of UWB

|                      |                                                                |                       |             |
|----------------------|----------------------------------------------------------------|-----------------------|-------------|
| <b>Product Name:</b> | TERO Smart Tennis Ball Machine/TERO PRO AI Tennis Ball Machine | <b>Product Model:</b> | HYWT002     |
| <b>Test By:</b>      | Lucas Ding                                                     | <b>Test mode:</b>     | UWB Tx mode |
| <b>Test Channel:</b> | CH 9                                                           | <b>Polarization:</b>  | Vertical    |
| <b>Test Voltage:</b> | DC 21.9V                                                       |                       |             |



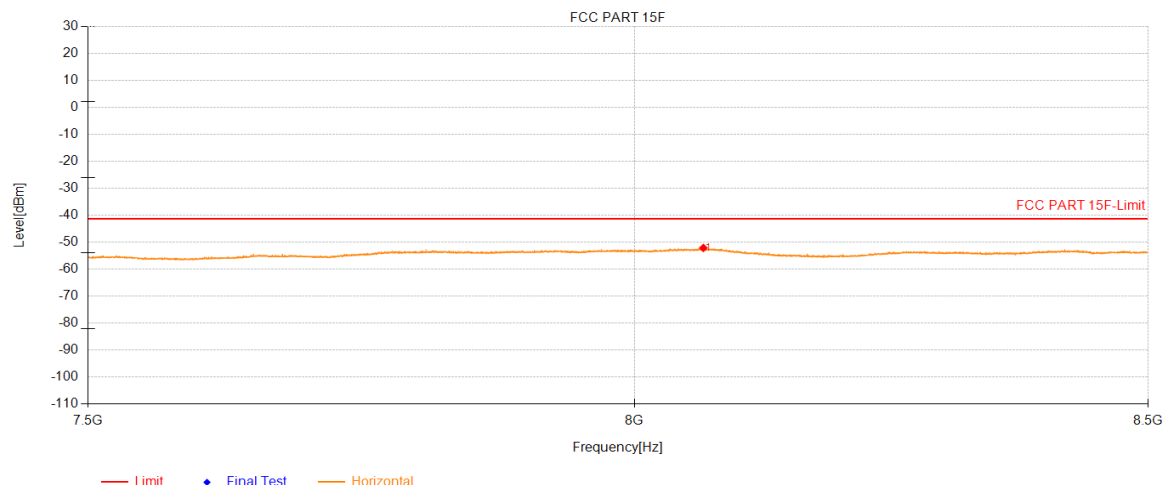
#### Suspected Data List

| NO. | Freq. [MHz] | Reading [dBm] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle[°] | Verdict | Polarity |
|-----|-------------|---------------|-------------|-------------|-------------|-------------|-------------|----------|---------|----------|
| 1   | 7938.5      | -61.01        | 8.54        | -52.47      | -41.30      | 11.17       | 150         | 84       | PASS    | Vertical |

#### Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

|                      |                                                                |                       |             |
|----------------------|----------------------------------------------------------------|-----------------------|-------------|
| <b>Product Name:</b> | TERO Smart Tennis Ball Machine/TERO PRO AI Tennis Ball Machine | <b>Product Model:</b> | HYWT002     |
| <b>Test By:</b>      | Lucas Ding                                                     | <b>Test mode:</b>     | UWB Tx mode |
| <b>Test Channel:</b> | CH 9                                                           | <b>Polarization:</b>  | Horizontal  |
| <b>Test Voltage:</b> | DC 21.9V                                                       |                       |             |



## Suspected Data List

| NO. | Freq. [MHz] | Reading [dBm] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle[°] | Verdict | Polarity   |
|-----|-------------|---------------|-------------|-------------|-------------|-------------|-------------|----------|---------|------------|
| 1   | 8065.375    | -61.02        | 8.91        | -52.11      | -41.30      | 10.81       | 150         | 302      | PASS    | Horizontal |

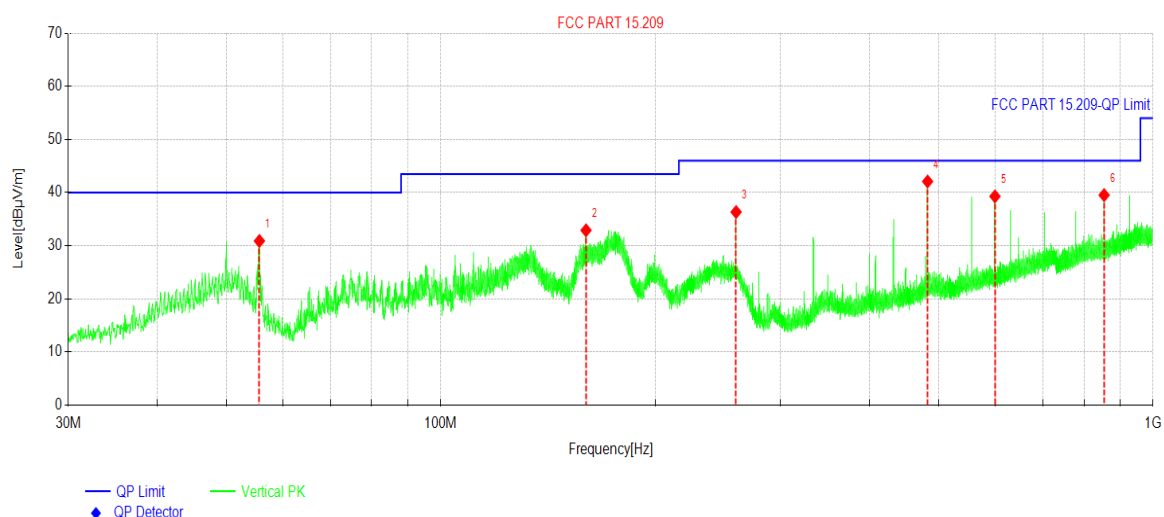
## Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

## 6.5.2 Other radiated emission

### Below 1GHz

|                      |                                                                |                       |             |
|----------------------|----------------------------------------------------------------|-----------------------|-------------|
| <b>Product Name:</b> | TERO Smart Tennis Ball Machine/TERO PRO AI Tennis Ball Machine | <b>Product Model:</b> | HYWT002     |
| <b>Test By:</b>      | Robin Gu                                                       | <b>Test mode:</b>     | UWB Tx mode |
| <b>Test Channel:</b> | 30MHz - 1GHz                                                   | <b>Polarization:</b>  | Vertical    |
| <b>Test Voltage:</b> | AC 120/60Hz                                                    |                       |             |



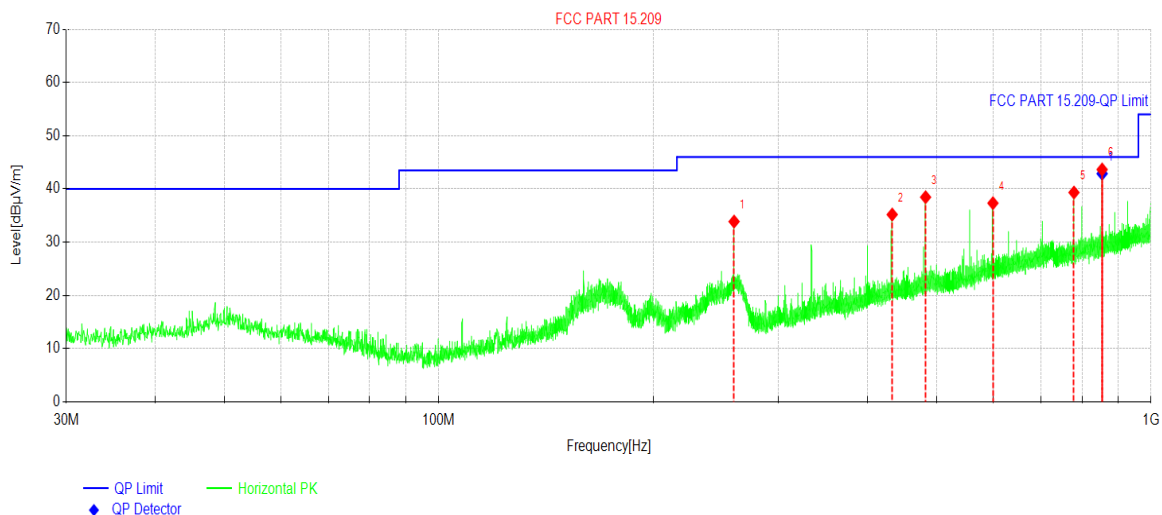
### Suspected Data List

| NO. | Freq. [MHz] | Reading [dBμV/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Trace | Polarity |
|-----|-------------|------------------|-------------|----------------|----------------|-------------|-------|----------|
| 1   | 55.6565     | 45.40            | -14.50      | 30.90          | 40.00          | 9.10        | PK    | Vertical |
| 2   | 159.980     | 46.31            | -13.41      | 32.90          | 43.50          | 10.60       | PK    | Vertical |
| 3   | 259.841     | 51.00            | -14.66      | 36.34          | 46.00          | 9.66        | PK    | Vertical |
| 4   | 482.602     | 49.30            | -7.21       | 42.09          | 46.00          | 3.91        | PK    | Vertical |
| 5   | 599.972     | 43.72            | -4.43       | 39.29          | 46.00          | 6.71        | PK    | Vertical |
| 6   | 853.869     | 38.02            | 1.51        | 39.53          | 46.00          | 6.47        | PK    | Vertical |

### Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

|                      |                                                                |                       |             |
|----------------------|----------------------------------------------------------------|-----------------------|-------------|
| <b>Product Name:</b> | TERO Smart Tennis Ball Machine/TERO PRO AI Tennis Ball Machine | <b>Product Model:</b> | HYWT002     |
| <b>Test By:</b>      | Robin Gu                                                       | <b>Test mode:</b>     | UWB Tx mode |
| <b>Test Channel:</b> | 30MHz - 1GHz                                                   | <b>Polarization:</b>  | Horizontal  |
| <b>Test Voltage:</b> | AC 120/60Hz                                                    |                       |             |



## Suspected Data List

| NO. | Freq. [MHz] | Reading [dBμV/m] | Factor [dB] | Level [dBμV/m] | Limit [dBμV/m] | Margin [dB] | Trace | Polarity   |
|-----|-------------|------------------|-------------|----------------|----------------|-------------|-------|------------|
| 1   | 259.841     | 47.45            | -13.58      | 33.87          | 46.00          | 12.13       | PK    | Horizontal |
| 2   | 433.229     | 42.97            | -7.78       | 35.19          | 46.00          | 10.81       | PK    | Horizontal |
| 3   | 482.602     | 44.99            | -6.54       | 38.45          | 46.00          | 7.55        | PK    | Horizontal |
| 4   | 599.972     | 40.96            | -3.63       | 37.33          | 46.00          | 8.67        | PK    | Horizontal |
| 5   | 779.616     | 38.94            | 0.39        | 39.33          | 46.00          | 6.67        | PK    | Horizontal |
| 6   | 853.821     | 42.15            | 1.50        | 43.65          | 46.00          | 2.35        | PK    | Horizontal |

## Final Data List

| NO. | Freq. [MHz] | QP Reading [dBμV/m] | Factor [dB] | QP Value [dBμV/m] | QP Limit [dBμV/m] | QP Margin [dB] | Angle [°] | Verdict |
|-----|-------------|---------------------|-------------|-------------------|-------------------|----------------|-----------|---------|
| 1   | 853.821     | 41.37               | 1.50        | 42.87             | 46.00             | 3.13           | 348       | PASS    |

## Remark:

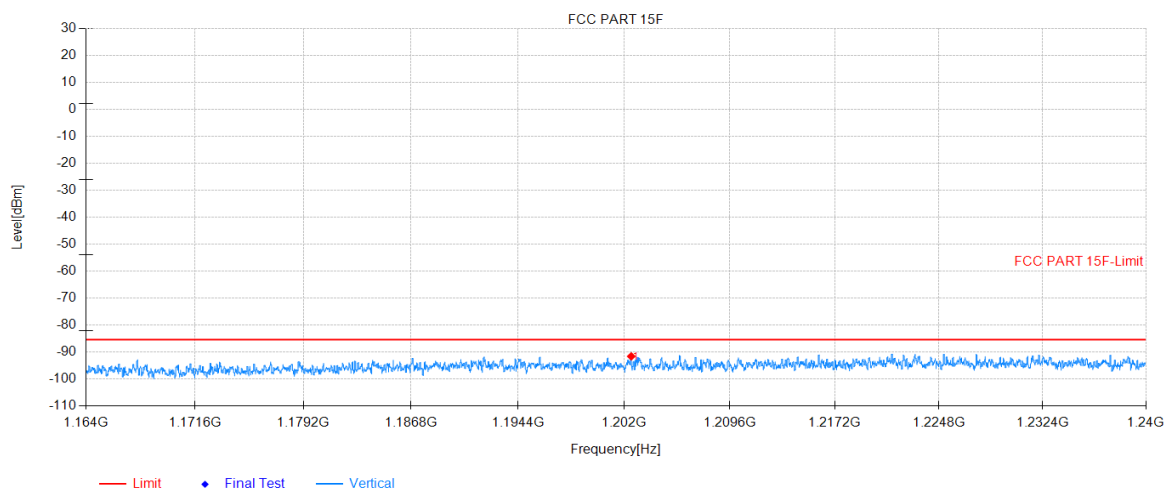
1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

Above 1GHz

| CH 9                    |                   |            |             |             |
|-------------------------|-------------------|------------|-------------|-------------|
| Detector: Average Value |                   |            |             |             |
| Frequency (MHz)         | Spurious Emission |            | Limit (dBm) | Test Result |
|                         | Polarization      | Level(dBm) |             |             |
| 5964                    | Vertical          | -71.50     | -41.3       | PASS        |
| 9296                    | V                 | -67.75     | -41.3       |             |
| 10520                   | V                 | -65.56     | -41.3       |             |
| 14770                   | V                 | -63.44     | -51.3       |             |
| 15975.0                 | V                 | -65.64     | -51.3       |             |
| 6491                    | Horizontal        | -76.68     | -41.3       |             |
| 8837                    | H                 | -72.86     | -41.3       |             |
| 10826                   | H                 | -70.59     | -41.3       |             |
| 15144                   | H                 | -66.28     | -51.3       |             |
| 15975.0                 | H                 | -66.10     | -51.3       |             |

Additional:  
1164MHz-1240MHz

|               |                                                                |                |             |
|---------------|----------------------------------------------------------------|----------------|-------------|
| Product Name: | TERO Smart Tennis Ball Machine/TERO PRO AI Tennis Ball Machine | Product Model: | HYWT002     |
| Test By:      | Lucas Ding                                                     | Test mode:     | UWB Tx mode |
| Test Channel: | CH 9                                                           | Polarization:  | Vertical    |
| Test Voltage: | DC 21.9V                                                       |                |             |



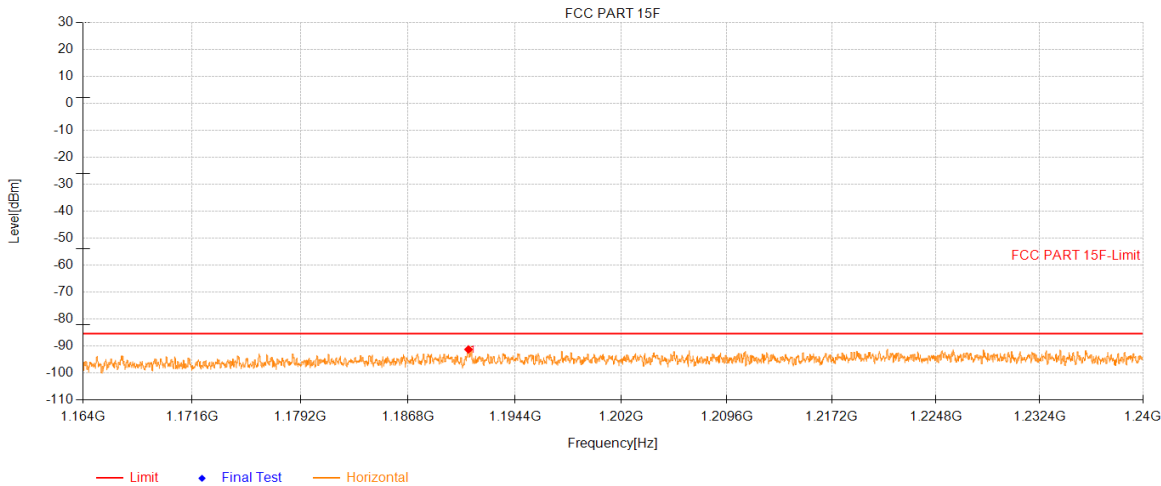
## Suspected Data List

| NO. | Freq. [MHz] | Reading [dBm] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle[°] | Verdict | Polarity |
|-----|-------------|---------------|-------------|-------------|-------------|-------------|-------------|----------|---------|----------|
| 1   | 1202.5035   | -79.45        | -           | -91.53      | -85.30      | 6.23        | 150         | 110      | PASS    | Vertical |

## Remark:

1.  $Level = Reading + Factor(Antenna\ Factor + Cable\ Loss - Preamplifier\ Factor)$

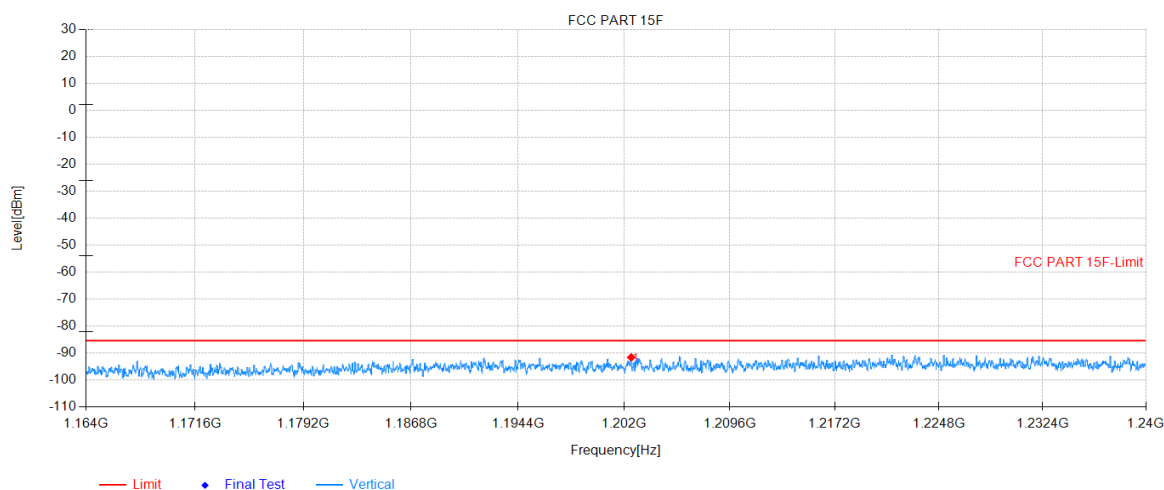
|               |                                                                |                |             |
|---------------|----------------------------------------------------------------|----------------|-------------|
| Product Name: | TERO Smart Tennis Ball Machine/TERO PRO AI Tennis Ball Machine | Product Model: | HYWT002     |
| Test By:      | Lucas Ding                                                     | Test mode:     | UWB Tx mode |
| Test Channel: | CH 9                                                           | Polarization:  | Horizontal  |
| Test Voltage: | DC 21.9V                                                       |                |             |



| Suspected Data List |             |               |             |             |             |             |             |          |         |            |
|---------------------|-------------|---------------|-------------|-------------|-------------|-------------|-------------|----------|---------|------------|
| NO.                 | Freq. [MHz] | Reading [dBm] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle[°] | Verdict | Polarity   |
| 1                   | 1191.094    | -78.64        | -           | -91.18      | -85.30      | 5.88        | 150         | 0        | PASS    | Horizontal |

## 1559MHz-1610MHz

|                      |                                                                |                       |             |
|----------------------|----------------------------------------------------------------|-----------------------|-------------|
| <b>Product Name:</b> | TERO Smart Tennis Ball Machine/TERO PRO AI Tennis Ball Machine | <b>Product Model:</b> | HYWT002     |
| <b>Test By:</b>      | Lucas Ding                                                     | <b>Test mode:</b>     | UWB Tx mode |
| <b>Test Channel:</b> | CH 9                                                           | <b>Polarization:</b>  | Vertical    |
| <b>Test Voltage:</b> | DC 21.9V                                                       |                       |             |



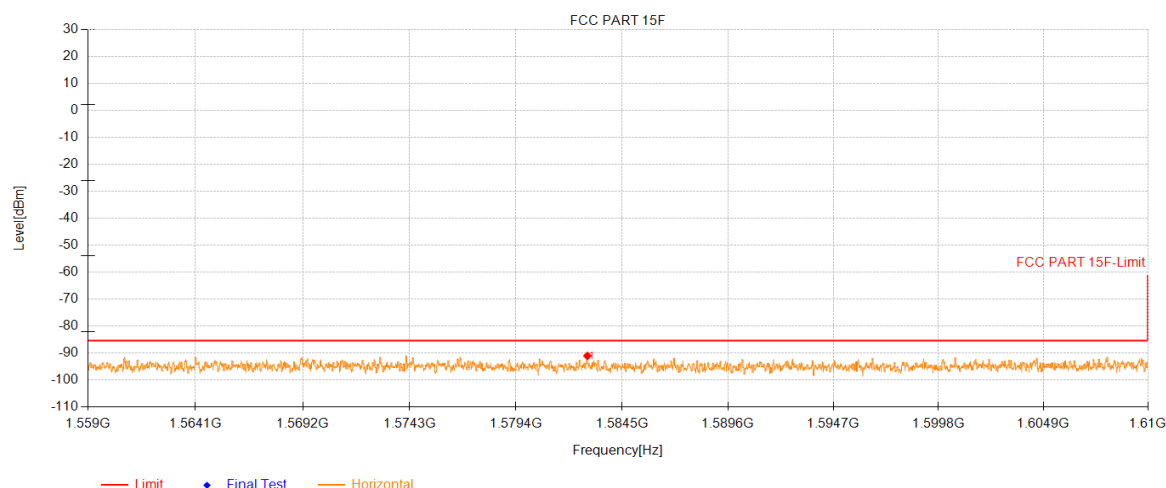
### Suspected Data List

| NO. | Freq. [MHz] | Reading [dBm] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle[°] | Verdict | Polarity |
|-----|-------------|---------------|-------------|-------------|-------------|-------------|-------------|----------|---------|----------|
| 1   | 1202.5035   | -79.45        | -           | -91.53      | -85.30      | 6.23        | 150         | 110      | PASS    | Vertical |

### Remark:

1.  $Level = Reading + Factor(Antenna\ Factor + Cable\ Loss - Preamplifier\ Factor)$

|                      |                                                                |                       |             |
|----------------------|----------------------------------------------------------------|-----------------------|-------------|
| <b>Product Name:</b> | TERO Smart Tennis Ball Machine/TERO PRO AI Tennis Ball Machine | <b>Product Model:</b> | HYWT002     |
| <b>Test By:</b>      | Lucas Ding                                                     | <b>Test mode:</b>     | UWB Tx mode |
| <b>Test Channel:</b> | CH 9                                                           | <b>Polarization:</b>  | Horizontal  |
| <b>Test Voltage:</b> | DC 21.9V                                                       |                       |             |



## Suspected Data List

| NO. | Freq. [MHz] | Reading [dBm] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle[°] | Verdict | Polarity   |
|-----|-------------|---------------|-------------|-------------|-------------|-------------|-------------|----------|---------|------------|
| 1   | 1582.8298   | -79.02        | -11.96      | -90.98      | -           | 5.68        | 150         | 272      | PASS    | Horizontal |

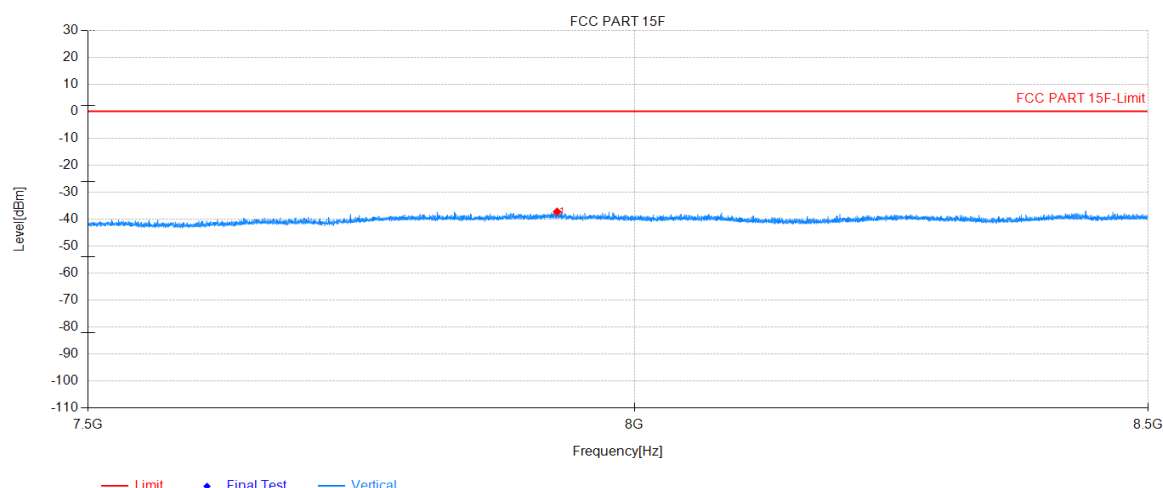
## Remark:

- Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)

## 6.6 Peak Power

| Test Mode                                                                                      | Measured Peak Power<br>(dBm/3MHz) | Peak EIRP limit<br>(dBm/3MHz) | Results |
|------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------|---------|
| CH 9                                                                                           | -36.81                            | -24.4                         | Pass    |
| Remark:<br>1. Peak EIRP limit of 3MHz RBW = $20 \log (RBW/50) \text{ dBm} = -24.4\text{dBm}$ . |                                   |                               |         |

|                      |                                                                |                       |             |
|----------------------|----------------------------------------------------------------|-----------------------|-------------|
| <b>Product Name:</b> | TERO Smart Tennis Ball Machine/TERO PRO AI Tennis Ball Machine | <b>Product Model:</b> | HYWT002     |
| <b>Test By:</b>      | Lucas Ding                                                     | <b>Test mode:</b>     | UWB Tx mode |
| <b>Test Channel:</b> | CH 9                                                           | <b>Polarization:</b>  | Vertical    |
| <b>Test Voltage:</b> | DC 21.9V                                                       |                       |             |



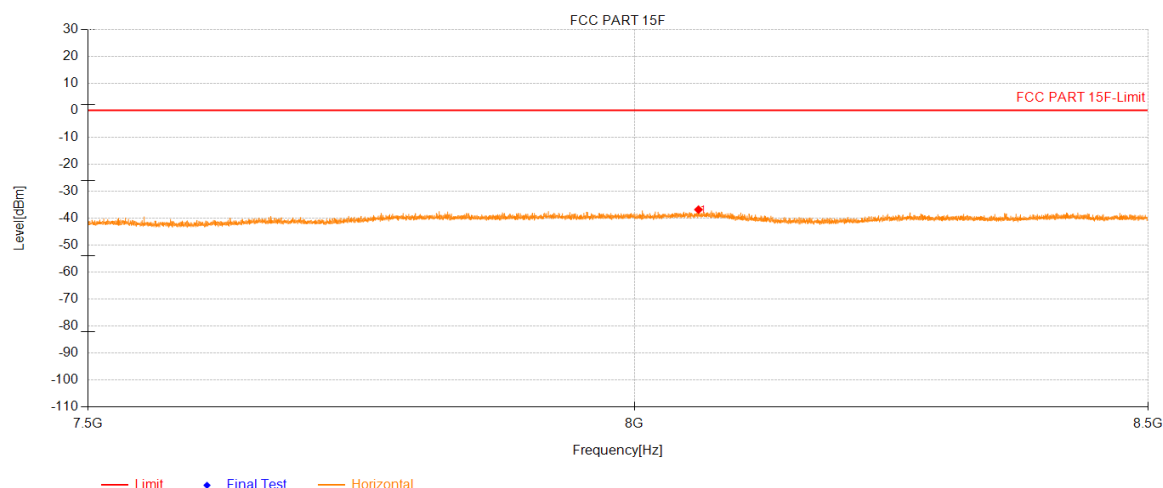
## Suspected Data List

| NO. | Freq. [MHz] | Reading [dBm] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle[°] | Verdict | Polarity |
|-----|-------------|---------------|-------------|-------------|-------------|-------------|-------------|----------|---------|----------|
| 1   | 7927.25     | -45.86        | 8.62        | -37.24      | 0.00        | 37.24       | 150         | 209      | PASS    | Vertical |

## Remark:

- Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)
- Peak EIRP limit of 3MHz RBW =  $20 \log (RBW/50) \text{ dBm} = -24.4 \text{ dBm}$ .

|                      |                                                                |                       |             |
|----------------------|----------------------------------------------------------------|-----------------------|-------------|
| <b>Product Name:</b> | TERO Smart Tennis Ball Machine/TERO PRO AI Tennis Ball Machine | <b>Product Model:</b> | HYWT002     |
| <b>Test By:</b>      | Lucas Ding                                                     | <b>Test mode:</b>     | UWB Tx mode |
| <b>Test Channel:</b> | CH 9                                                           | <b>Polarization:</b>  | Horizontal  |
| <b>Test Voltage:</b> | DC 21.9V                                                       |                       |             |



## Suspected Data List

| NO. | Freq. [MHz] | Reading [dBm] | Factor [dB] | Level [dBm] | Limit [dBm] | Margin [dB] | Height [cm] | Angle[°] | Verdict | Polarity   |
|-----|-------------|---------------|-------------|-------------|-------------|-------------|-------------|----------|---------|------------|
| 1   | 8060.75     | -45.65        | 8.84        | -36.81      | 0.00        | 36.81       | 150         | 66       | PASS    | Horizontal |

## Remark:

- Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor)
- Peak EIRP limit of 3MHz RBW = 20 log (RBW/50) dBm = -24.4dBm.

-----End of report-----