

# FCC CERTIFICATION TEST REPORT

## FOR

|                      |   |                                                                                                                                              |
|----------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------|
| Applicant            | : | Shenzhen SDMC Technology Co.,Ltd.                                                                                                            |
| Address              | : | Room 1022, Floor 10, Building A, Customs Building, No. 2, Xin'an 3rd Road, Dalang Community, Xin'an Street, Bao'an District, Shenzhen, China |
| Equipment under Test | : | StrideGym AI TV                                                                                                                              |
| Model No.            | : | ST2-CX-30D-US                                                                                                                                |
| Trade Mark           | : |  STRIDE GYM                                               |
| FCC ID               | : | 2AW68-DV8886                                                                                                                                 |
| Manufacturer         | : | Gear Interactive Co. Ltd                                                                                                                     |
| Address              | : | 15/F, Tower 2, Fang Da City, Long Zhu Si Road, Nanshan District, Shenzhen, China                                                             |

**Issued By: Dongguan Dongdian Testing Service Co., Ltd.**

**Add.:** No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park,  
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# REPORT

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## Test Report Declare

|                             |   |                                                                                                                                              |
|-----------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applicant</b>            | : | Shenzhen SDMC Technology Co.,Ltd.                                                                                                            |
| <b>Address</b>              | : | Room 1022, Floor 10, Building A, Customs Building, No. 2, Xin'an 3rd Road, Dalang Community, Xin'an Street, Bao'an District, Shenzhen, China |
| <b>Equipment under Test</b> | : | StrideGym AI TV                                                                                                                              |
| <b>Model No.</b>            | : | ST2-CX-30D-US                                                                                                                                |
| <b>Trade Mark</b>           | : |  STRIDE GYM                                                 |
| <b>Manufacturer</b>         | : | Gear Interactive Co. Ltd                                                                                                                     |
| <b>Address</b>              | : | 15/F, Tower 2, Fang Da City, Long Zhu Si Road, Nanshan District, Shenzhen, China                                                             |

### Test Standard Used:

FCC Rules and Regulations Part 15 Subpart C

### Test Procedure Used:

ANSI C63.10:2013

### We Declare:

The equipment described above is tested by Dongguan Dongdian Testing Service Co., Ltd. and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Dongguan Dongdian Testing Service Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

**After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC standards.**

|                         |                    |                      |                               |
|-------------------------|--------------------|----------------------|-------------------------------|
| <b>Report No.:</b>      | DDT-R22081816-2E02 |                      |                               |
| <b>Date of Receipt:</b> | Sep. 16, 2022      | <b>Date of Test:</b> | Sep. 16, 2022 ~ Oct. 19, 2022 |

**Prepared By:**

*Johnny Wang*

**Johnny Wang/Engineer**

**Approved By:**



**Damon Hu/EMC Manager**

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Dongguan Dongdian Testing Service Co., Ltd.

## Revision History

| Rev. | Revisions     | Issue Date    | Revised By |
|------|---------------|---------------|------------|
| ---  | Initial issue | Oct. 19, 2022 |            |
|      |               |               |            |

## 1. Summary of Test Results

| The EUT have been tested according to the applicable standards as referenced below. |                                                                 |         |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------|---------|
| Description of Test Item                                                            | Standard                                                        | Verdict |
| 6 dB Bandwidth                                                                      | FCC Part 15: 15.247<br>ANSI C63.10:2013                         | Pass    |
| Peak Output Power                                                                   | FCC Part 15: 15.247<br>ANSI C63.10:2013                         | Pass    |
| Power Spectral Density                                                              | FCC Part 15:15.247<br>ANSI C63.10:2013                          | Pass    |
| Band Edge Compliance<br>(conducted method)                                          | FCC Part 15: 15.209<br>FCC Part 15: 15.247<br>ANSI C63.10: 2013 | Pass    |
| Radiation Emission                                                                  | FCC Part 15: 15.247<br>ANSI C63.10:2013                         | Pass    |
| RF Conducted Spurious Emissions                                                     | FCC Part 15: 15.209<br>FCC Part 15: 15.247<br>ANSI C63.10: 2013 | Pass    |
| Emission in Restricted Frequency Bands                                              | FCC Part 15: 15.209<br>FCC Part 15: 15.247<br>ANSI C63.10: 2013 | Pass    |
| Power Line Conducted Emission                                                       | FCC Part 15: 15.207<br>ANSI C63.10: 2013                        | Pass    |
| Antenna Requirement                                                                 | FCC Part 15: 15.203                                             | Pass    |



## 2. General Test Information

### 2.1. Description of EUT

|                          |                                               |
|--------------------------|-----------------------------------------------|
| EUT* Name                | : StrideGym AI TV                             |
| Model Number             | : ST2-CX-30D-US                               |
| EUT Function Description | : Please reference user manual of this device |
| Power Supply             | : DC 12V powered by external adapter          |
| Radio Specification      | : Bluetooth V5.0                              |
| Operation Frequency      | : 2402 MHz - 2480 MHz                         |
| Modulation               | : GFSK                                        |
| Data Rate                | : 1 Mbps, 2 Mbps                              |
| Antenna Gain             | : PCB antenna, maximum PK gain: 2.67 dBi      |
| Sample Type              | : Series production                           |
| Sample Number            | : S22081816-02                                |

Note: EUT is the ab. of equipment under test.

| Channel information |                 |         |                 |         |                 |
|---------------------|-----------------|---------|-----------------|---------|-----------------|
| Channel             | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 0                   | 2402            | 14      | 2430            | 28      | 2458            |
| 1                   | 2404            | 15      | 2432            | 29      | 2460            |
| 2                   | 2406            | 16      | 2434            | 30      | 2462            |
| 3                   | 2408            | 17      | 2436            | 31      | 2464            |
| 4                   | 2410            | 18      | 2438            | 32      | 2466            |
| 5                   | 2412            | 19      | 2440            | 33      | 2468            |
| 6                   | 2414            | 20      | 2442            | 34      | 2470            |
| 7                   | 2416            | 21      | 2444            | 35      | 2472            |
| 8                   | 2418            | 22      | 2446            | 36      | 2474            |
| 9                   | 2420            | 23      | 2448            | 37      | 2476            |
| 10                  | 2422            | 24      | 2450            | 38      | 2478            |
| 11                  | 2424            | 25      | 2452            | 39      | 2480            |
| 12                  | 2426            | 26      | 2454            |         |                 |
| 13                  | 2428            | 27      | 2456            |         |                 |

### 2.2. Accessories of EUT

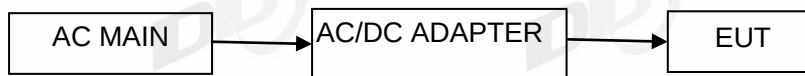
| Description of Accessories | Manufacturer                           | Model number       | Serial No. | Other                                              |
|----------------------------|----------------------------------------|--------------------|------------|----------------------------------------------------|
| AC ADAPTER                 | N/A                                    | SA12BV-120100U     | N/A        | Input: 100-240V ~ 50/60Hz 0.4A<br>Output: DC 12V1A |
| AC ADAPTER                 | Shenzhen Tianyin Electronics Co., Ltd. | TPQ-368D120100UW01 | N/A        | Input: 100-240V ~ 50/60Hz 0.4A<br>Output: DC 12V1A |
| Remote control             | N/A                                    | N/A                | N/A        | N/A                                                |

|             |     |     |     |     |
|-------------|-----|-----|-----|-----|
| Camera      | N/A | N/A | N/A | N/A |
| RJ 45 cable | N/A | N/A | N/A | N/A |
| HDMI cable  | N/A | N/A | N/A | N/A |

### 2.3. Assistant equipment used for test

| Assistant equipment | Manufacturer | Model number | EMC Compliance | SN  |
|---------------------|--------------|--------------|----------------|-----|
| N/A                 | N/A          | N/A          | N/A            | N/A |

### 2.4. Block diagram of EUT configuration for test



Test software: adb.exe

The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table:

The pathloss of external cable: 0.5dB (According to the manufacturer's claims)

| Tested mode, channel, information |                  |         |                 |
|-----------------------------------|------------------|---------|-----------------|
| Mode                              | Setting Tx Power | Channel | Frequency (MHz) |
| GFSK 1M                           | default          | CH0     | 2402            |
|                                   | default          | CH19    | 2440            |
|                                   | default          | CH39    | 2480            |
| GFSK 2M                           | default          | CH0     | 2402            |
|                                   | default          | CH19    | 2440            |
|                                   | default          | CH39    | 2480            |

### 2.5. Test environment conditions

During the measurement the environmental conditions were within the listed ranges:

|                    |                   |
|--------------------|-------------------|
| Temperature range: | +21 °C to +25 °C  |
| Humidity range:    | 40% to 75%        |
| Pressure range:    | 86 kPa to 106 kPa |

### 2.6. Deviations of test standard

No deviation.



## 2.7. Test laboratory

Dongguan Dongdian Testing Service Co., Ltd.

Add.: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City, Guangdong Province, China, 523808.

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: [ddt@dgddt.com](mailto:ddt@dgddt.com).

CNAS Accreditation No. L6451; A2LA Accreditation Number: 3870.01

FCC Designation Number: CN1182, Test Firm Registration Number: 540522

Innovation, Science and Economic Development Canada Site Registration Number: 10288A

Conformity Assessment Body identifier: CN0048

VCCI facility registration number: C-20087, T-20088, R-20123, R-20155, G-20118

## 2.8. Measurement uncertainty

| Test Item                                                                                                                                     | Uncertainty                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Bandwidth                                                                                                                                     | 1.1%                                                   |
| Peak Output Power (Conducted) (Spectrum analyzer)                                                                                             | 0.86 dB ( $10 \text{ MHz} \leq f < 3.6 \text{ GHz}$ ); |
|                                                                                                                                               | 1.38 dB ( $3.6 \text{ GHz} \leq f < 8 \text{ GHz}$ )   |
| Peak Output Power (Conducted) (Power Sensor)                                                                                                  | 0.74 dB                                                |
| Power Spectral Density                                                                                                                        | 0.74 dB ( $10 \text{ MHz} \leq f < 3.6 \text{ GHz}$ ); |
|                                                                                                                                               | 1.38 dB ( $3.6 \text{ GHz} \leq f < 8 \text{ GHz}$ )   |
| Frequencies Stability                                                                                                                         | $6.7 \times 10^{-8}$ (Antenna couple method)           |
|                                                                                                                                               | $5.5 \times 10^{-8}$ (Conducted method)                |
| Conducted spurious emissions                                                                                                                  | 0.86 dB ( $10 \text{ MHz} \leq f < 3.6 \text{ GHz}$ ); |
|                                                                                                                                               | 1.40 dB ( $3.6 \text{ GHz} \leq f < 8 \text{ GHz}$ )   |
|                                                                                                                                               | 1.66 dB ( $8 \text{ GHz} \leq f < 22 \text{ GHz}$ )    |
| Uncertainty for radio frequency (RBW < 20 kHz)                                                                                                | $3 \times 10^{-8}$                                     |
| Temperature                                                                                                                                   | 0.4 °C                                                 |
| Humidity                                                                                                                                      | 2 %                                                    |
| Uncertainty for Radiation Emission test (9 kHz – 30 MHz)                                                                                      | 3.44 dB                                                |
| Uncertainty for Radiation Emission test (30 MHz - 1 GHz)                                                                                      | 4.70 dB (Antenna Polarize: V)                          |
|                                                                                                                                               | 4.84 dB (Antenna Polarize: H)                          |
| Uncertainty for Radiation Emission test (1 GHz - 40 GHz)                                                                                      | 4.10 dB (1 - 6 GHz)                                    |
|                                                                                                                                               | 4.40 dB (6 GHz - 18 GHz)                               |
|                                                                                                                                               | 3.54 dB (18 GHz - 26 GHz)                              |
|                                                                                                                                               | 4.30 dB (26 GHz - 40 GHz)                              |
| Uncertainty for Power line conduction emission test                                                                                           | 3.32 dB (150 kHz - 30 MHz)                             |
| Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2. |                                                        |

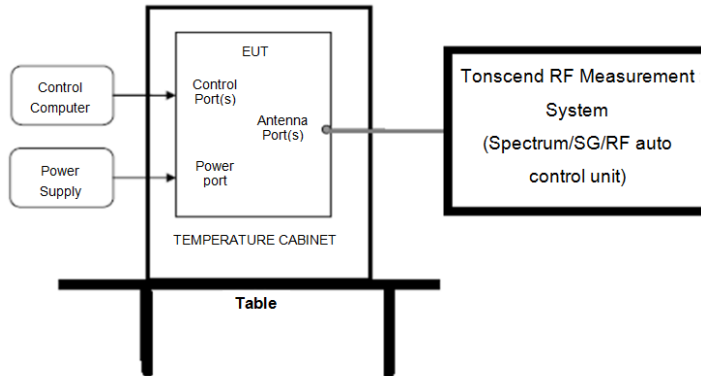
### 3. Equipment Used During Test

| Equipment                                                     | Manufacturer    | Model No.                                                                                  | Serial No.        | Last Cal.     | Cal. Interval |
|---------------------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------|-------------------|---------------|---------------|
| <b>☑RF Connected Test (Tonscend RF Measurement System 3#)</b> |                 |                                                                                            |                   |               |               |
| Signal & Spectrum analyzer                                    | R&S             | FSV40                                                                                      | 101407            | Jul. 21, 2022 | 1 Year        |
| Wideband Radio Communication tester                           | R&S             | CMW500                                                                                     | 117491            | May 18, 2022  | 1 Year        |
| Vector Signal Generator                                       | Agilent         | N5182A                                                                                     | MY19060405        | May 18, 2022  | 1 Year        |
| Vector Signal Generator                                       | Agilent         | N5182A                                                                                     | MY48180912        | May 18, 2022  | 1 Year        |
| RF Control Unit                                               | Tonscend        | JS0806-2                                                                                   | 20C8060230        | May 18, 2022  | 1 Year        |
| Temp&Humi Programmable                                        | ZHIXIANG        | ZXGDS-150L                                                                                 | ZX170110-A        | May 26, 2022  | 1 Year        |
| Test Software                                                 | JS Tonscend     | JS1120-3                                                                                   | Ver.3.2.22        | N/A           | N/A           |
| <b>☑Radiation 3#chamber</b>                                   |                 |                                                                                            |                   |               |               |
| EMI Test Receiver                                             | R&S             | ESU26                                                                                      | 100472            | May 19, 2022  | 1 Year        |
| Spectrum analyzer                                             | Agilent         | E4447A                                                                                     | MY50180031        | May 17, 2022  | 1 Year        |
| Active Loop antenna                                           | Schwarzbeck     | FMZB-1519                                                                                  | 1519-038          | Sep. 19, 2021 | 1 Year        |
| Active Loop antenna                                           | Schwarzbeck     | FMZB-1519                                                                                  | 1519-038          | Sep. 19, 2022 | 1 Year        |
| Trilog Broadband Antenna                                      | Schwarzbeck     | VULB 9163                                                                                  | 01429             | Jul. 22, 2022 | 1 Year        |
| Double Ridged Horn Antenna                                    | Schwarzbeck     | BBHA9120 D                                                                                 | 02468             | Nov. 29, 2021 | 1 Year        |
| Broad Band Horn Antenna                                       | Schwarzbeck     | BBHA 9170                                                                                  | 790               | May 06, 2022  | 1 Year        |
| Pre-amplifier                                                 | COM-POWER       | PAM-118A                                                                                   | 18040084          | Aug.17, 2022  | 1 Year        |
| Pre-amplifier                                                 | COM-POWER       | PAM-840A                                                                                   | 461369            | Apr. 11, 2022 | 1 Year        |
| RE Cable                                                      | N/A             | W23.02<br>CP1-X2 +<br>W23.09<br>AP1-X8+<br>JCT26S-NJ-<br>NJ-1.5M+<br>JCT26S-NJ-<br>NJ-1.5M | 4.5M+8M+1.5M+1.5M | Aug.17, 2022  | 1 Year        |
| RF Cable                                                      | Yuhu Technology | JCTB810-NJ-<br>NJ-9M                                                                       | 21123964          | May. 19,2022  | 1 Year        |
| Test software                                                 | Audix           | E3                                                                                         | V 6.1.1.1         | N/A           | N/A           |
| <b>☑Power Line Conducted Emissions Test 1#</b>                |                 |                                                                                            |                   |               |               |
| Test Receiver                                                 | R&S             | ESCI                                                                                       | 100551            | Aug. 26, 2022 | 1 Year        |
| LISN 1                                                        | R&S             | ENV216                                                                                     | 101109            | Aug. 26, 2022 | 1 Year        |
| LISN 2                                                        | R&S             | ESH2-Z5                                                                                    | 100309            | Aug. 26, 2022 | 1 Year        |
| Pulse Limiter                                                 | R&S             | ESH3-Z2                                                                                    | 101242            | Aug. 26, 2022 | 1 Year        |
| CE Cable 1                                                    | HUBSER          | N/A                                                                                        | W10.01            | Aug. 26, 2022 | 1 Year        |
| Test software                                                 | Audix           | E3                                                                                         | V 6.11111b        | N/A           | N/A           |

|               |     |      |        |               |        |
|---------------|-----|------|--------|---------------|--------|
| Test Receiver | R&S | ESCI | 100551 | Aug. 26, 2022 | 1 Year |
|---------------|-----|------|--------|---------------|--------|

## 4. 6 dB Bandwidth

### 4.1. Block diagram of test setup



### 4.2. Limits

For direct sequence systems, the minimum 6 dB bandwidth shall be at least 500 kHz

### 4.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) 6 dB Bandwidth set the spectrum analyzer as follows:

RBW: 100 kHz  
 VBW: 300 kHz  
 Detector Mode: Peak  
 Sweep time: auto  
 Trace mode: Max hold

(3) Allow the trace to stabilize, measure the 6 dB bandwidth of signal.

### 4.4. Test result

| Mode    | Channel | 6 dB bandwidth Result (MHz) | 6 dB width Limit (MHz) | Verdict |
|---------|---------|-----------------------------|------------------------|---------|
| GFSK 1M | CH0     | 0.65                        | >0.5                   | Pass    |
|         | CH19    | 0.65                        | >0.5                   | Pass    |
|         | CH39    | 0.66                        | >0.5                   | Pass    |
| GFSK 2M | CH0     | 1.12                        | >0.5                   | Pass    |
|         | CH19    | 1.12                        | >0.5                   | Pass    |
|         | CH39    | 1.13                        | >0.5                   | Pass    |

### 4.5. Original test data

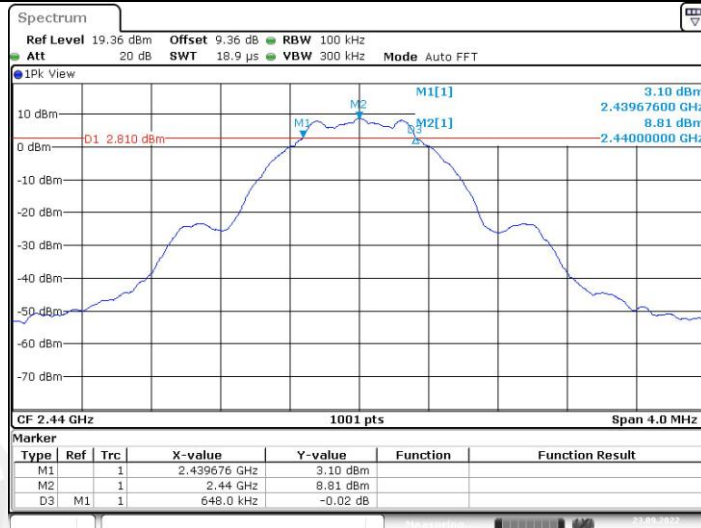
6 dB bandwidth:

## BLE 1M\_Ant1\_2402



Date: 23.SEP.2022 15:21:28

## BLE 1M\_Ant1\_2440



Date: 23.SEP.2022 15:23:11

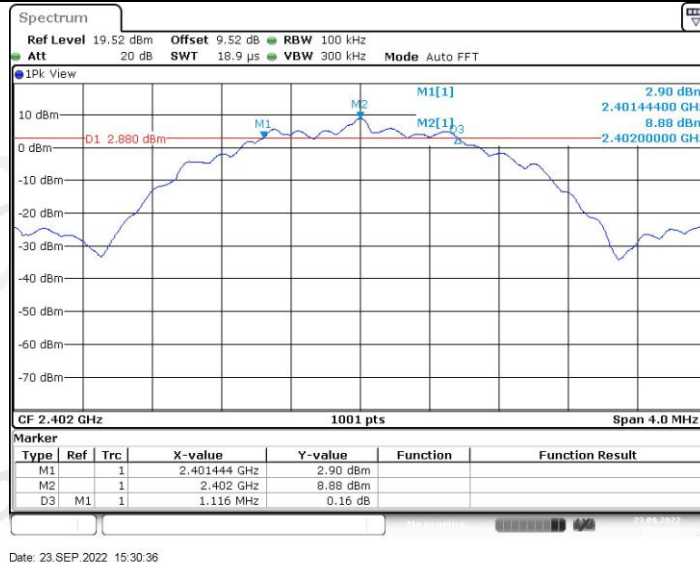
## BLE 1M\_Ant1\_2480



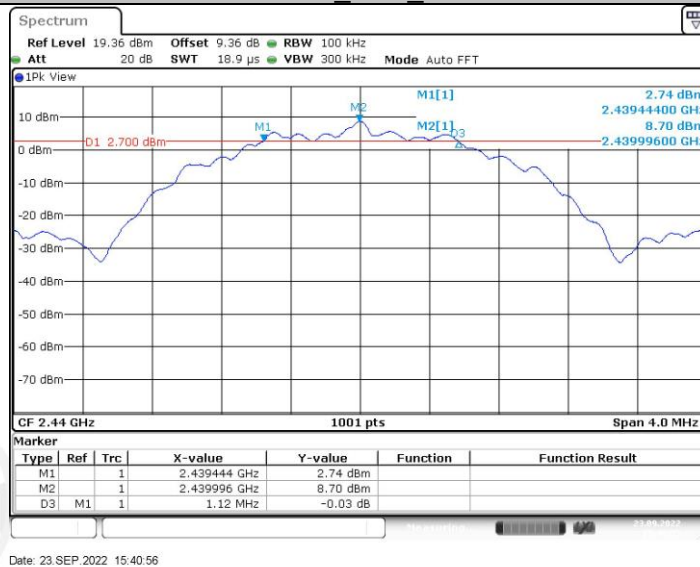
Date: 23.SEP.2022 15:25:14



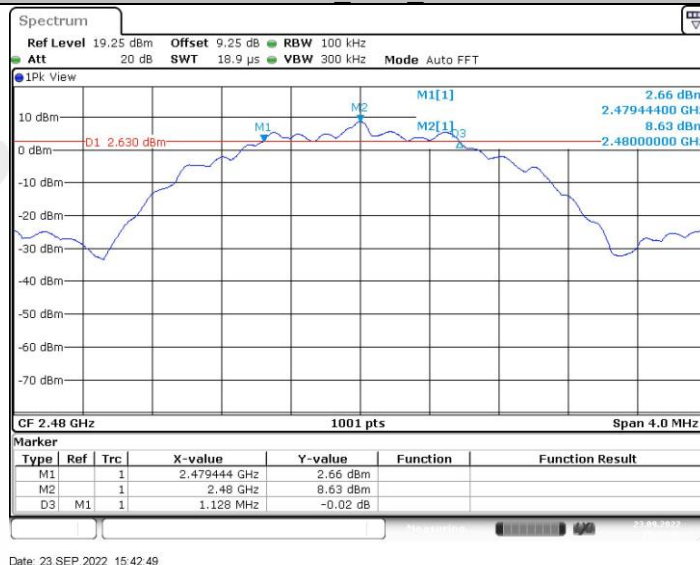
## BLE 2M\_Ant1\_2402



## BLE 2M\_Ant1\_2440



## BLE 2M\_Ant1\_2480





## 5. Maximum Peak Output Power

### 5.1. Block diagram of test setup

Same with 4.1

### 5.2. Limits

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. If transmitting antennas of directional gain greater than 6dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi, the e.i.r.p shall not exceed 4W.

### 5.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Set the spectrum analyzer as follows:

|                |                |
|----------------|----------------|
| RBW:           | ≥DTS bandwidth |
| VBW:           | ≥3 x RBW       |
| Span           | ≥3 x RBW       |
| Detector Mode: | Peak           |
| Sweep time:    | auto           |
| Trace mode     | Max hold       |

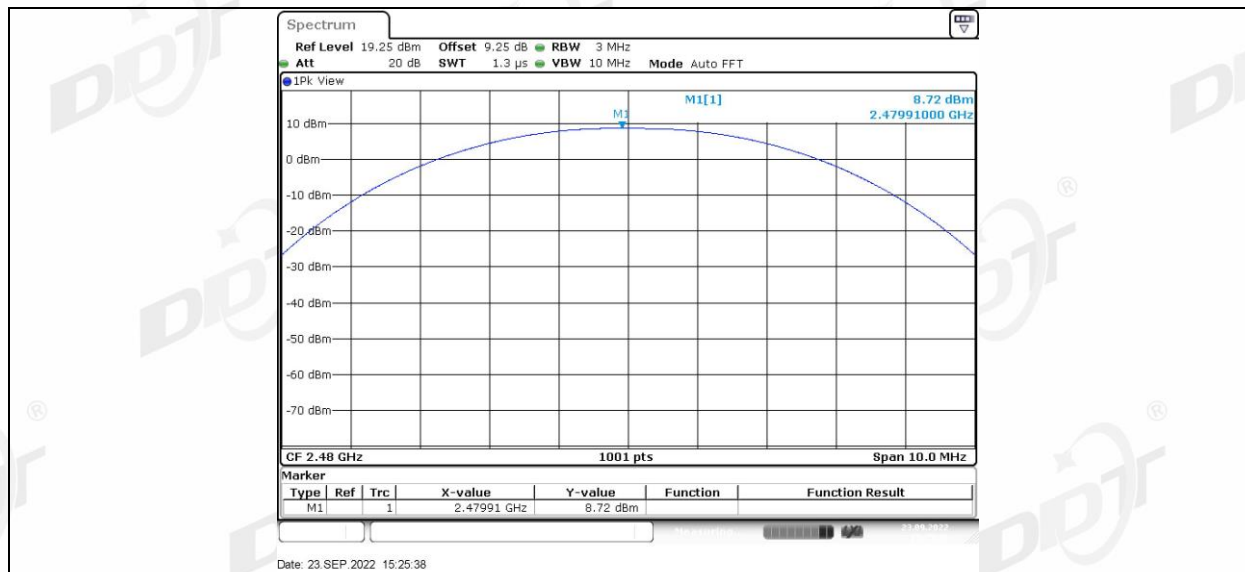
(3) Allow the trace to stabilize, Use the instrument's band/channel power measurement function with the band limits set equal to the DTS bandwidth edges measure out the conducted output power.

## 5.4. Test result

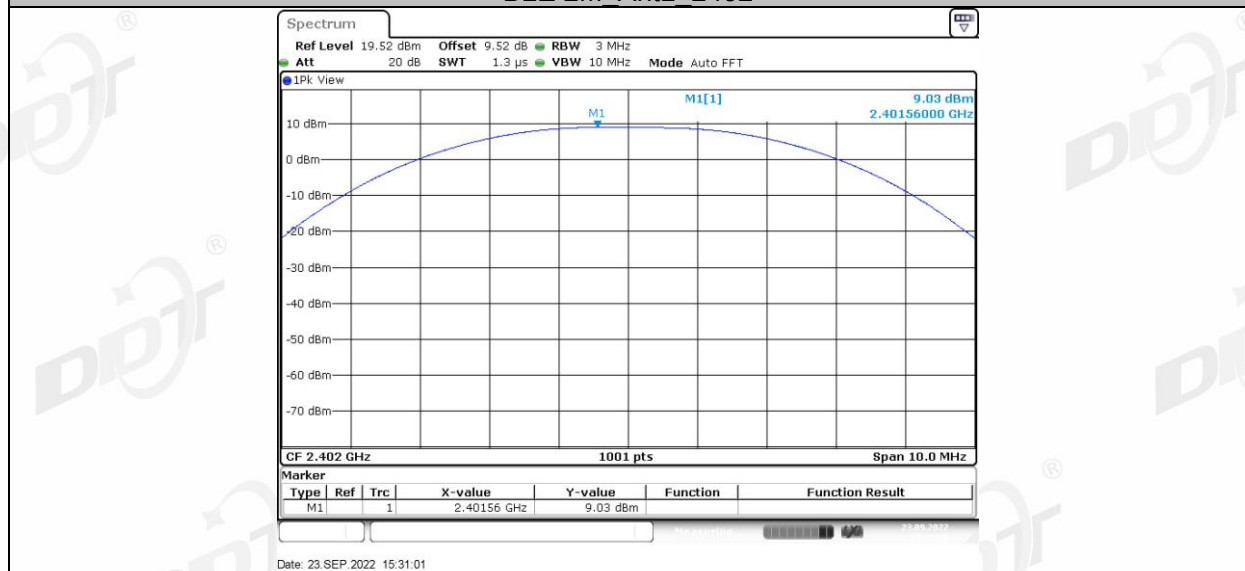
| Mode    | Freq. (MHz) | Conducted Output Power (dBm) | Limit (dBm) | Verdict |
|---------|-------------|------------------------------|-------------|---------|
| GFSK 1M | 2402        | <b>9.05</b>                  | 30          | Pass    |
|         | 2440        | 8.83                         | 30          | Pass    |
|         | 2480        | 8.72                         | 30          | Pass    |
| GFSK 2M | 2402        | 9.03                         | 30          | Pass    |
|         | 2440        | 8.81                         | 30          | Pass    |
|         | 2480        | 8.71                         | 30          | Pass    |

## 5.5. Original test data





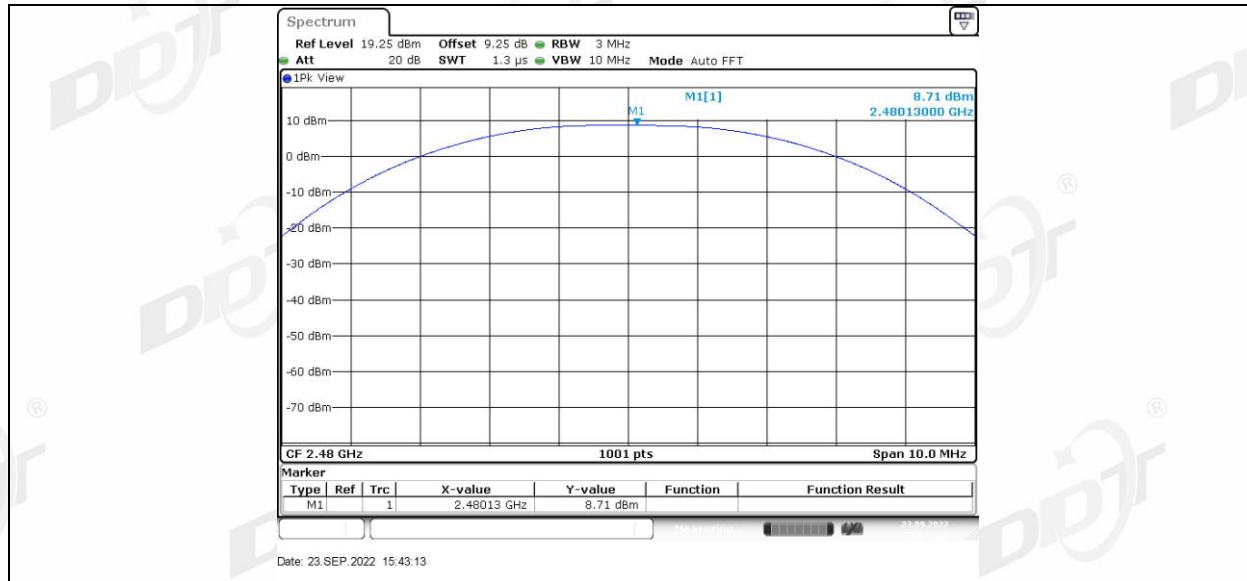
BLE 2M\_Ant1\_2402



BLE 2M\_Ant1\_2440



BLE 2M\_Ant1\_2480



## 6. Power Spectral Density

### 6.1. Block diagram of test setup

Same with 4.1

### 6.2. Limits

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

### 6.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Set the spectrum analyzer as follows:

|                  |                                                    |
|------------------|----------------------------------------------------|
| Center frequency | DTS Channel center frequency                       |
| RBW:             | $3\text{ kHz} \leq \text{RBW} \leq 100\text{ kHz}$ |
| VBW:             | $\geq 3\text{RBW}$                                 |
| Span             | 1.5 times the DTS bandwidth                        |
| Detector Mode:   | Peak                                               |
| Sweep time:      | auto                                               |
| Trace mode       | Max hold                                           |

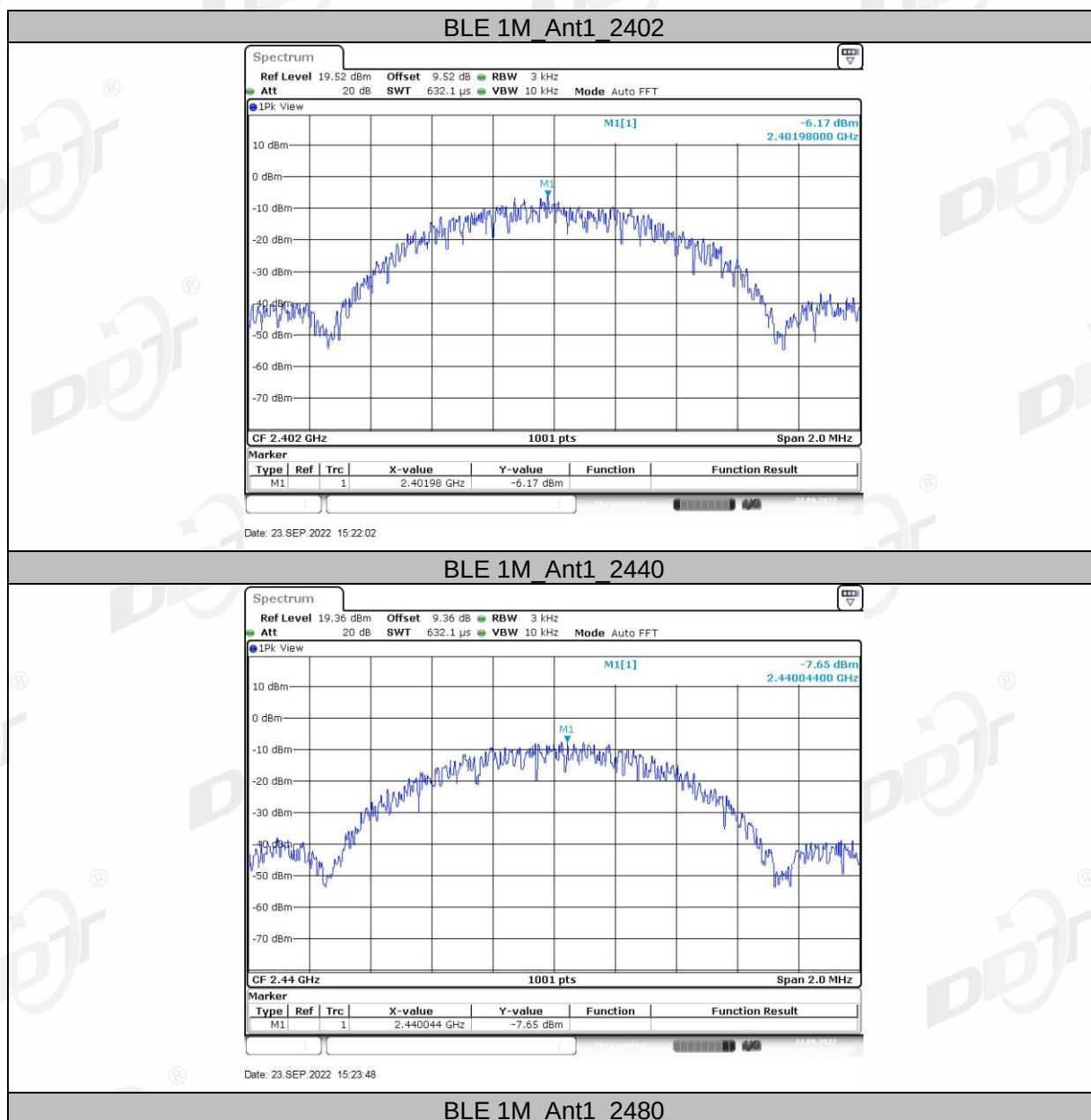
(3) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude level within the RBW.

(4) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

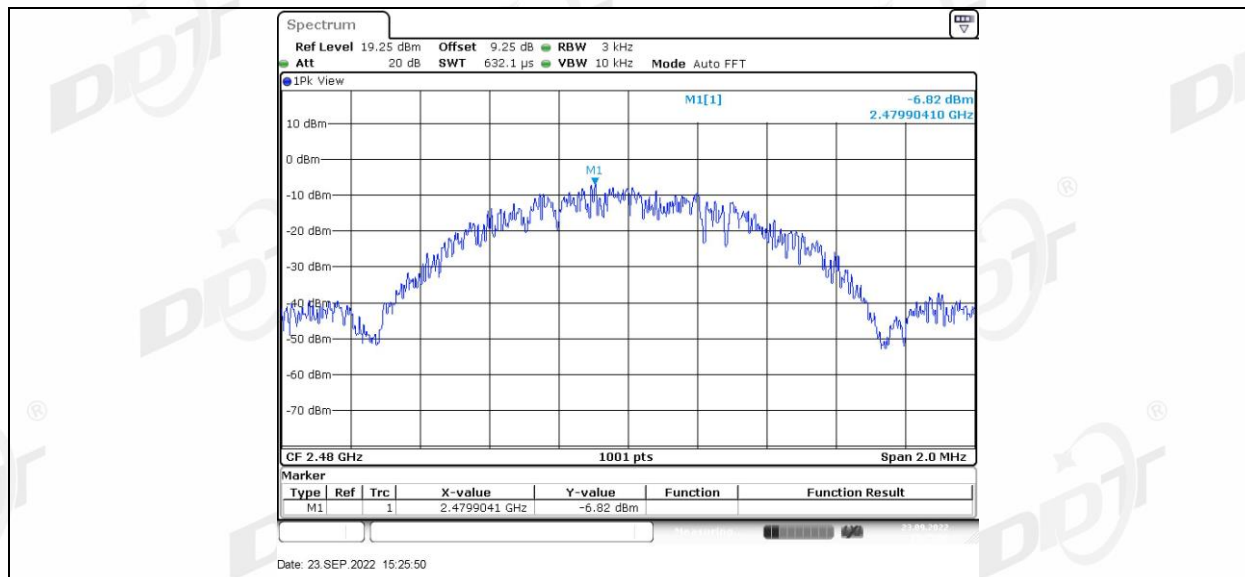
#### 6.4. Test result

| EUT Set Mode        | Antenna | Channel | Result (dBm/3 kHz) |
|---------------------|---------|---------|--------------------|
| GFSK 1M             | ANT1    | CH0     | -6.17              |
|                     | ANT1    | CH19    | -7.65              |
|                     | ANT1    | CH39    | -6.82              |
| GFSK 2M             | ANT1    | CH0     | -9.27              |
|                     | ANT1    | CH19    | -9.24              |
|                     | ANT1    | CH39    | -8.58              |
| Limit: <8 dBm/3 kHz |         |         | Verdict: Pass      |

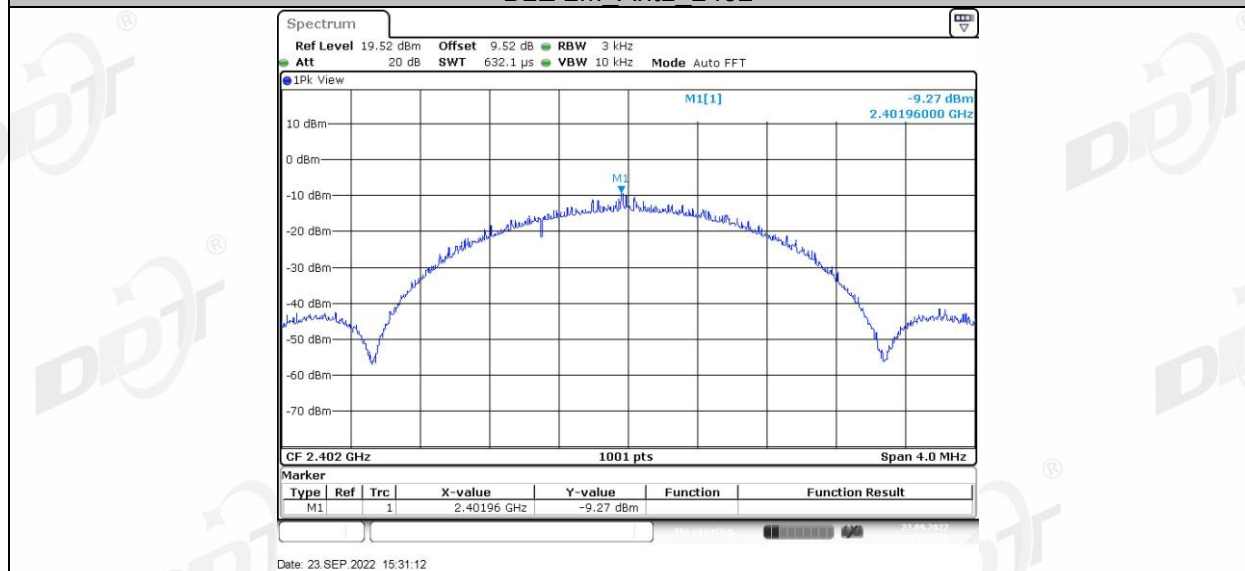
#### 6.5. Original test data



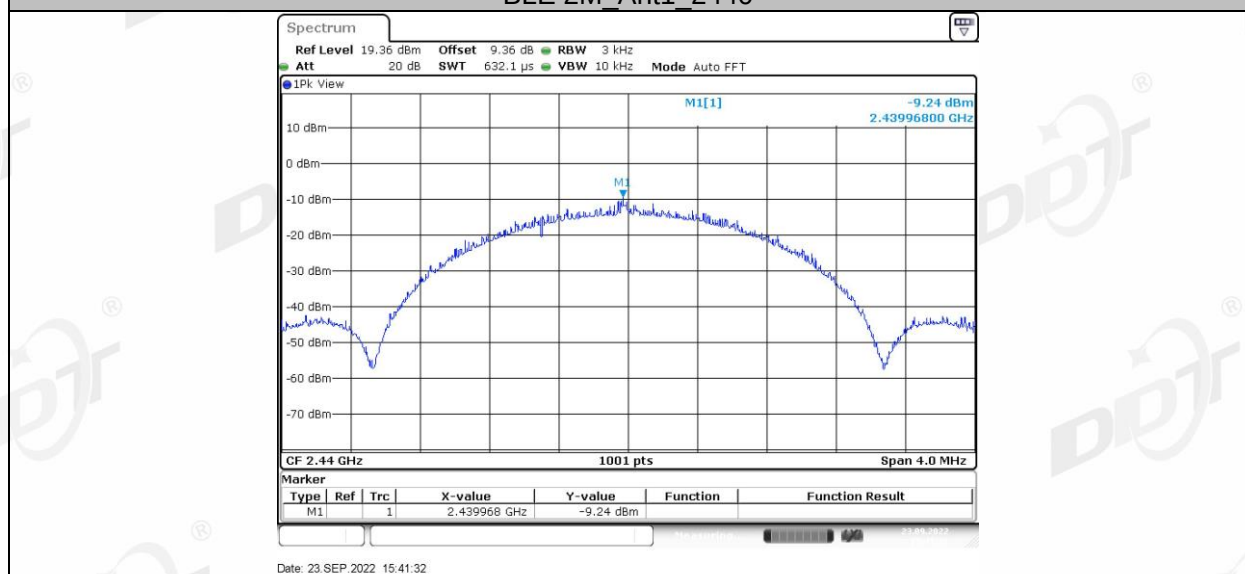




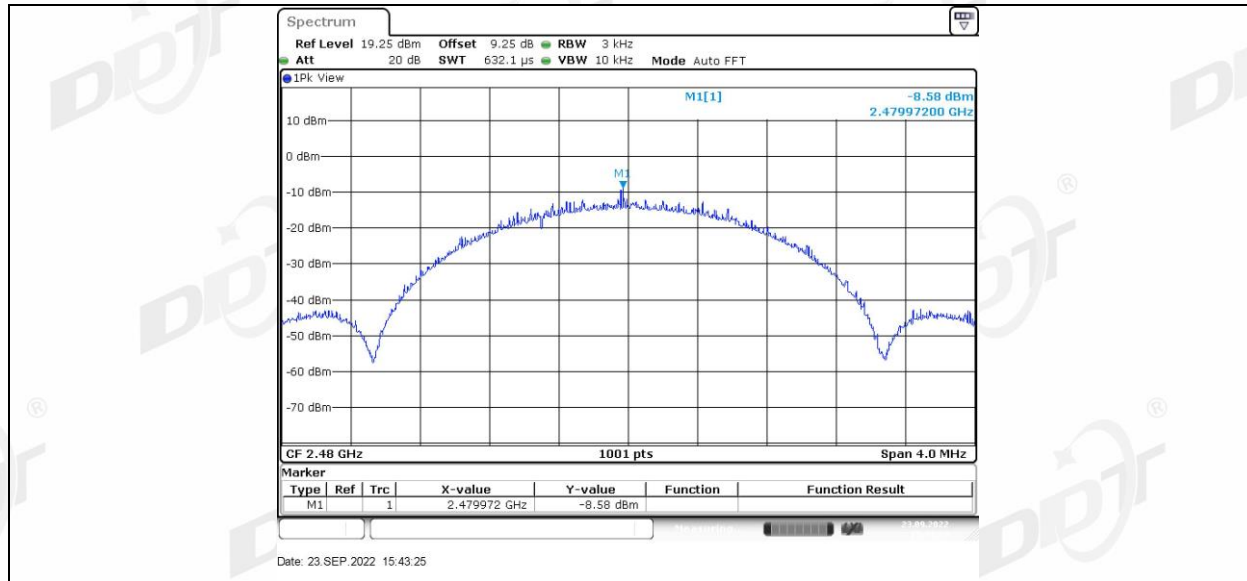
## BLE 2M\_Ant1\_2402



## BLE 2M\_Ant1\_2440



## BLE 2M\_Ant1\_2480



## 7. Band Edge Compliance (Conducted Method)

### 7.1. Block diagram of test setup

Same with 4.1

### 7.2. Limits

In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

### 7.3. Test procedure

- (1) Connect EUT's antenna output to spectrum analyzer by RF cable.
- (2) Establish a reference level by using the following procedure:
 

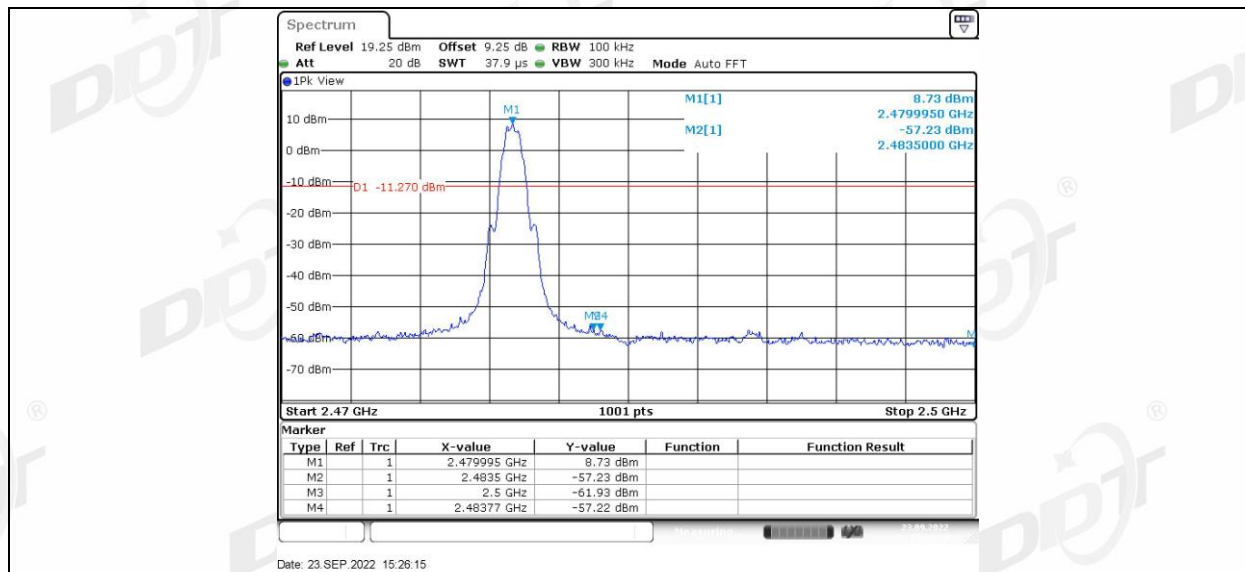
|                |                                          |
|----------------|------------------------------------------|
| RBW:           | 100 kHz                                  |
| VBW:           | 300 kHz                                  |
| Span           | Encompass frequency range to be measured |
| Detector Mode: | Peak                                     |
| Sweep time:    | auto                                     |
| Trace mode     | Max hold                                 |
- (3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.
- (4) Then mark the maximum amplitude of all unwanted emissions outside of the authorized frequency band.

### 7.4. Test result

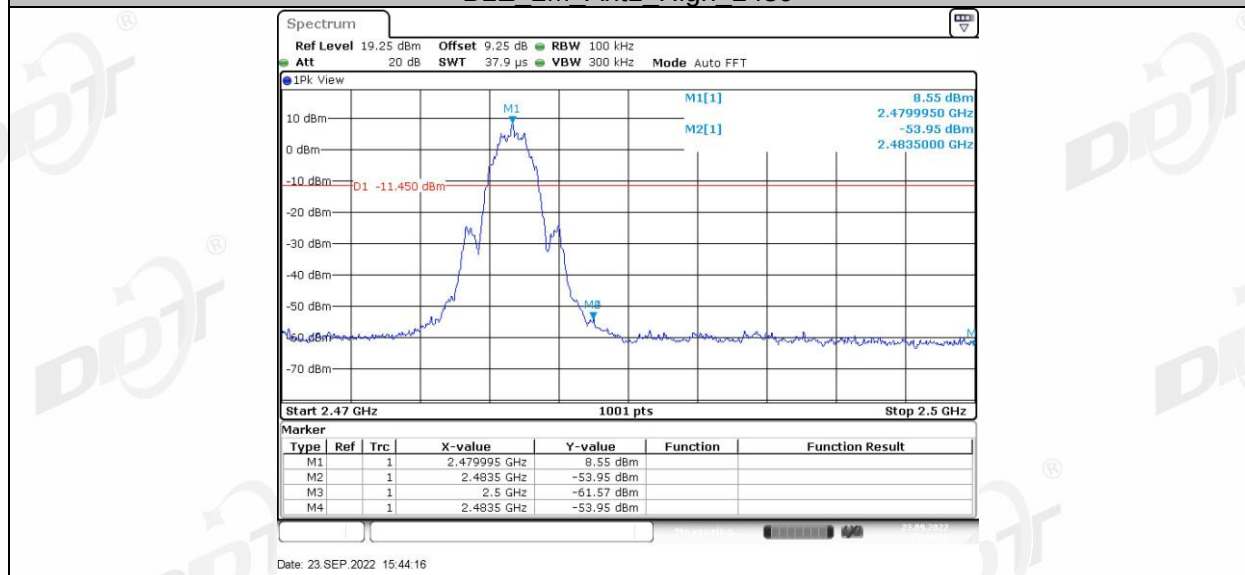
| EUT Set Mode | CH or Frequency | Measured Range        | Verdict |
|--------------|-----------------|-----------------------|---------|
| GFSK 1M      | CH0             | 2.310 GHz - 2.410 GHz | Pass    |
|              | CH39            | 2.470 GHz - 2.550 GHz | Pass    |
| GFSK 2M      | CH0             | 2.310 GHz - 2.410 GHz | Pass    |
|              | CH39            | 2.470 GHz - 2.550 GHz | Pass    |

## 7.5. Original test data





## BLE 2M Ant1 High 2480

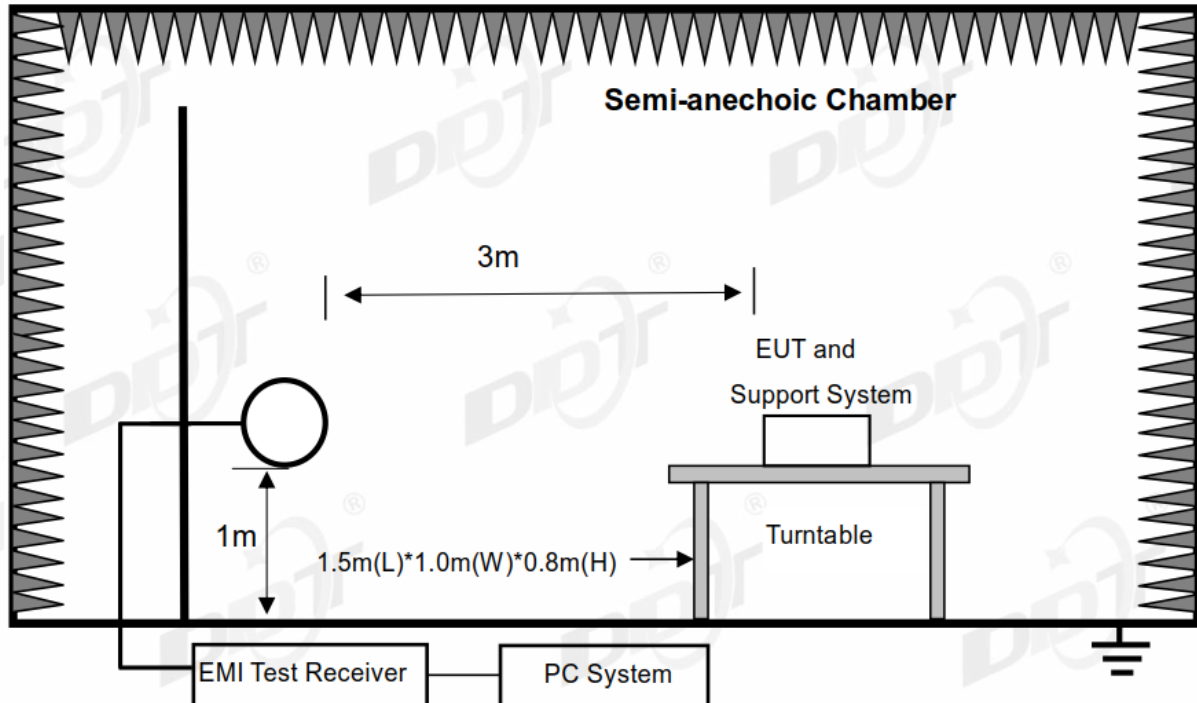




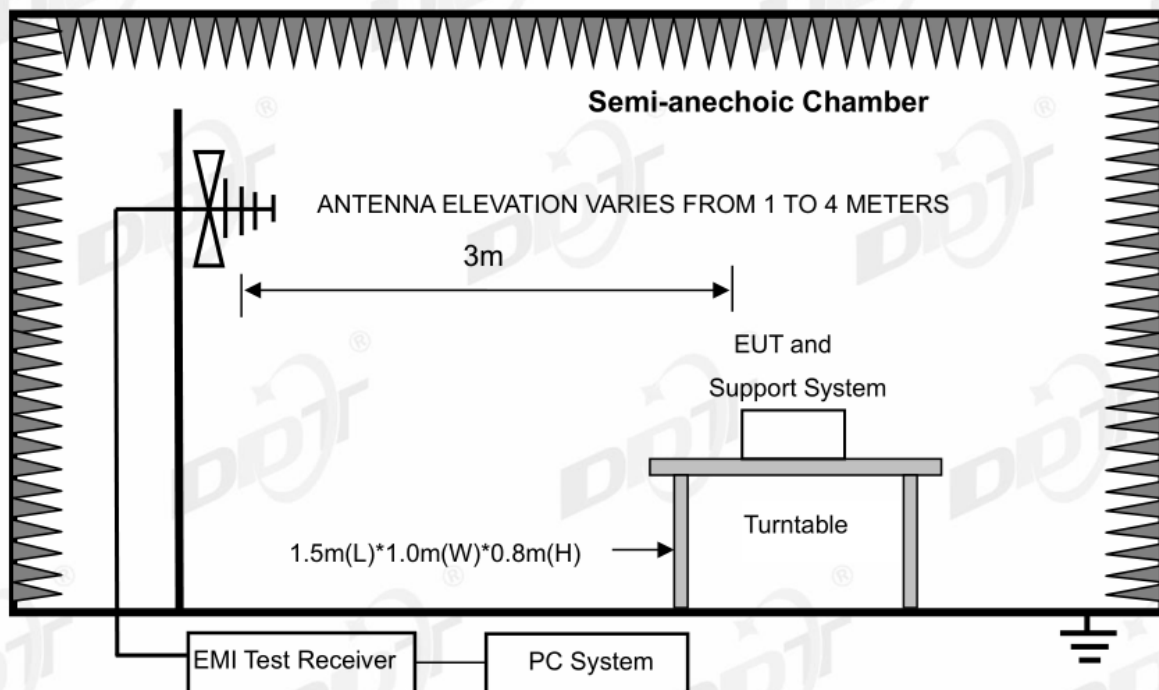
## 8. Radiated Emission

### 8.1. Block diagram of test setup

In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:

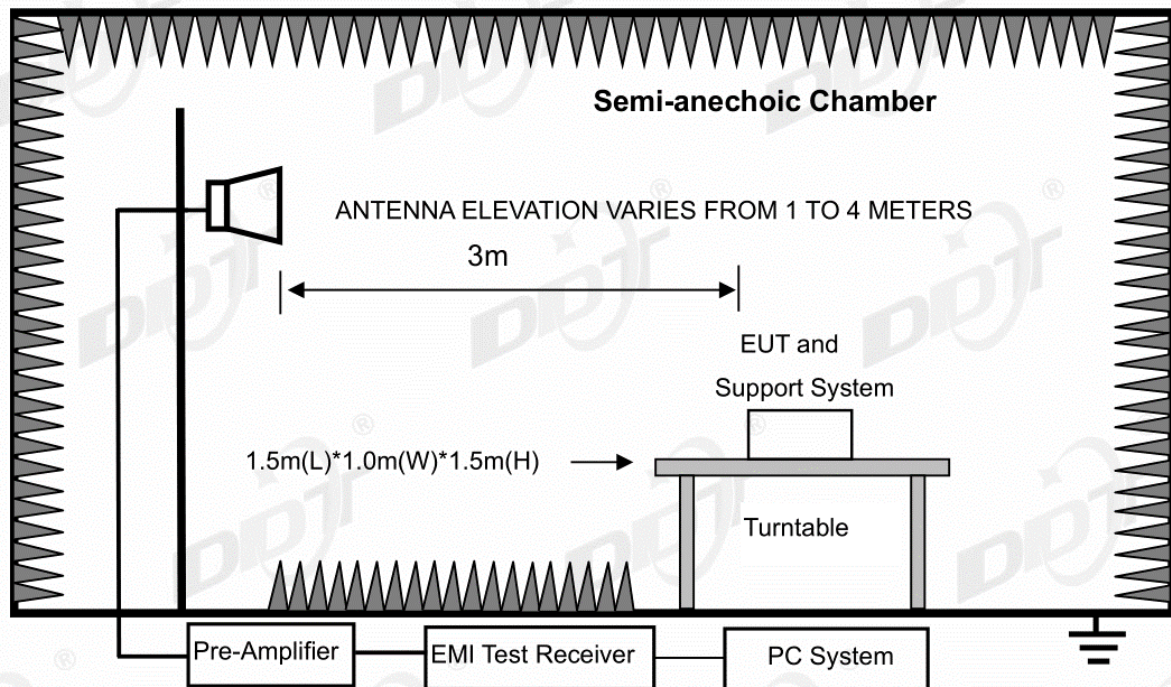


In 3 m Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:





Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

## 8.2. Limit

### (1) FCC 15.205 Restricted frequency band

| MHz                      | MHz                 | MHz           | GHz              |
|--------------------------|---------------------|---------------|------------------|
| 0.090-0.110              | 16.42-16.423        | 399.9-410     | 4.5-5.15         |
| <sup>1</sup> 0.495-0.505 | 16.69475-16.69525   | 608-614       | 5.35-5.46        |
| 2.1735-2.1905            | 16.80425-16.80475   | 960-1240      | 7.25-7.75        |
| 4.125-4.128              | 25.5-25.67          | 1300-1427     | 8.025-8.5        |
| 4.1772&4.17775           | 37.5-38.25          | 1435-1626.5   | 9.0-9.2          |
| 4.2072&4.20775           | 73-74.6             | 1645.5-1646.5 | 9.3-9.5          |
| 6.215-6.218              | 74.8-75.2           | 1660-1710     | 10.6-12.7        |
| 6.26775-6.26825          | 108-121.94          | 1718.8-1722.2 | 13.25-13.4       |
| 6.31175-6.31225          | 123-138             | 2200-2300     | 14.47-14.5       |
| 8.291-8.294              | 149.9-150.05        | 2310-2390     | 15.35-16.2       |
| 8.362-8.366              | 156.52475-156.52525 | 2483.5-2500   | 17.7-21.4        |
| 8.37625-8.38675          | 156.7-156.9         | 2690-2900     | 22.01-23.12      |
| 8.41425-8.41475          | 162.0125-167.17     | 3260-3267     | 23.6-24.0        |
| 12.29-12.293             | 167.72-173.2        | 3332-3339     | 31.2-31.8        |
| 12.51975-12.52025        | 240-285             | 3345.8-3358   | 36.43-36.5       |
| 12.57675-12.57725        | 322-335.4           | 3600-4400     | ( <sup>2</sup> ) |
| 13.36-13.41              |                     |               |                  |

<sup>1</sup>Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

<sup>2</sup>Above 38.6

### (2) FCC 15.209 Limit

| FREQUENCY<br>MHz | DISTANCE<br>Meters | FIELD STRENGTHS LIMIT                                                     |                                   |
|------------------|--------------------|---------------------------------------------------------------------------|-----------------------------------|
|                  |                    | $\mu\text{V/m}$                                                           | $\text{dB}(\mu\text{V})/\text{m}$ |
| 0.009 ~ 0.490    | 300                | 2400/F(kHz)                                                               | 67.6-20log(F)                     |
| 0.490 ~ 1.705    | 30                 | 24000/F(kHz)                                                              | 87.6-20log(F)                     |
| 1.705 ~ 30.0     | 30                 | 30                                                                        | 29.54                             |
| 30 ~ 88          | 3                  | 100                                                                       | 40.0                              |
| 88 ~ 216         | 3                  | 150                                                                       | 43.5                              |
| 216 ~ 960        | 3                  | 200                                                                       | 46.0                              |
| 960 ~ 1000       | 3                  | 500                                                                       | 54.0                              |
| Above 1000       | 3                  | 74.0 dB( $\mu\text{V}$ )/m (Peak)<br>54.0 dB( $\mu\text{V}$ )/m (Average) |                                   |

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz and above 1000 MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3\text{m}}(\text{dB}\mu\text{V}/\text{m}) = \text{Limit}_{30\text{m}}(\text{dB}\mu\text{V}/\text{m}) + 40\text{Log}(30\text{m}/3\text{m})$$

(3) Limit for this EUT

The emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits.

### 8.3. Test Procedure

(1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1 G and 150 cm above the ground plane inside a semi-anechoic chamber for above 1 G.

(2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

| Test frequency range | Test antenna used                              | Test antenna distance |
|----------------------|------------------------------------------------|-----------------------|
| 9 kHz - 30 MHz       | Active Loop antenna                            | 3 m                   |
| 30 MHz - 1 GHz       | Trilog Broadband Antenna                       | 3 m                   |
| 1 GHz - 18 GHz       | Double Ridged Horn Antenna<br>(1 GHz - 18 GHz) | 3 m                   |
| 18 GHz - 40 GHz      | Horn Antenna<br>(18 GHz - 40 GHz)              | 1 m                   |

According ANSI C63.10:2013 clause 6.4.4.2 and 6.5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also is positioned with its plane horizontal at the specified distance from the EUT. The center of the loop is 1 m above the ground. For measurement above 30 MHz, the Trilog Broadband Antenna or

Horn Antenna was located 3 m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so below final test was performed with frequency range from 30 MHz to 18 GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz, 110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW

| Frequency band   | RBW     |
|------------------|---------|
| 9 kHz - 150 kHz  | 200 Hz  |
| 150 kHz - 30 MHz | 9 kHz   |
| 30 MHz - 1 GHz   | 120 kHz |

For emissions above 1 GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10:2013 clause 4.1.4.2.2 procedure for average measure.

(8) X axis, Y axis, Z axis are tested, and worse setup X axis is reported.

#### 8.4. Test result

Pass. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limits.

Note1: According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

Note2: 30 MHz ~ 25 GHz: (Scan with GFSK 1M, GFSK 2M, the worst case is reported)

Note3: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in GFSK 1M, Tx 2402 MHz mode.

Note4: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.



## Radiated Emission test (below 1 GHz)

## TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC BELOW 1G.EM6

Test Date : 2022-09-16

Tested By : James Gan

EUT : StrideGym AI TV

Model Number : ST2-CX-30D-US

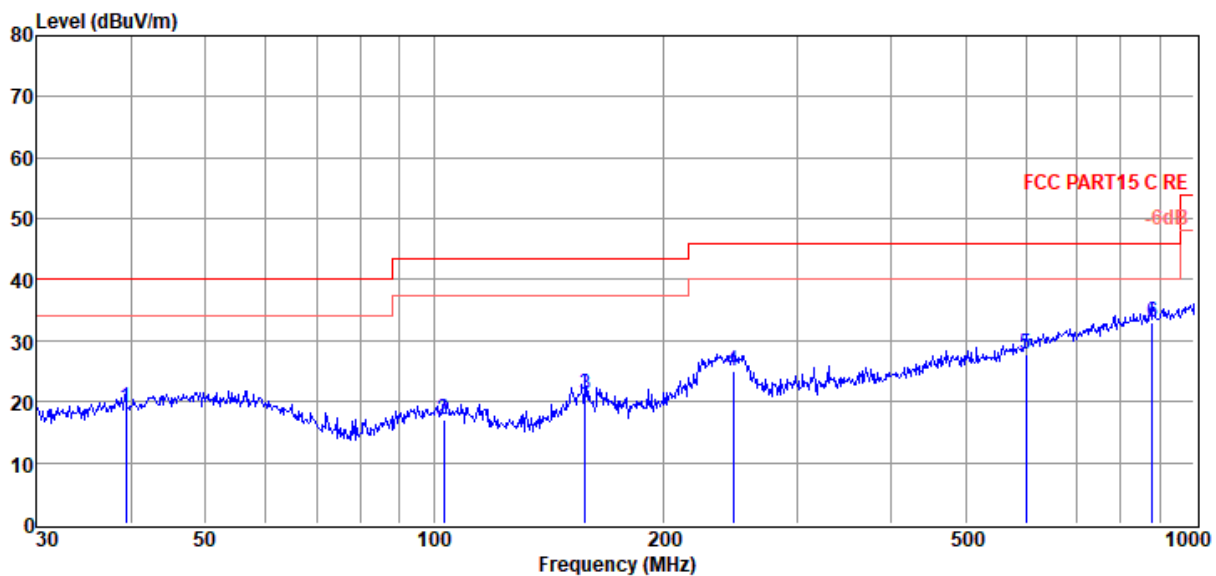
Power Supply : AC 120V/60Hz

Test Mode : Tx Mode

Condition : Temp:23.8°C,Humi:52.4%,Press:100.3kPa Antenna/Distance : 2022 VLUB9163 #3/3m/HORIZONTAL

Memo : BLE 1M (Adapter model: SA12BV-120100U)

Data:3



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>dB | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|---------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 39.30          | 3.50                    | 11.96                       | 3.61                | 19.07                       | 40.00                     | -20.93                | QP       | HORIZONTAL   |
| 2              | 103.08         | 2.13                    | 11.00                       | 4.00                | 17.13                       | 43.50                     | -26.37                | QP       | HORIZONTAL   |
| 3              | 158.11         | 9.02                    | 7.90                        | 4.29                | 21.21                       | 43.50                     | -22.29                | QP       | HORIZONTAL   |
| 4              | 247.68         | 8.05                    | 12.25                       | 4.65                | 24.95                       | 46.00                     | -21.05                | QP       | HORIZONTAL   |
| 5              | 601.43         | 3.43                    | 18.70                       | 5.74                | 27.87                       | 46.00                     | -18.13                | QP       | HORIZONTAL   |
| 6              | 881.41         | 4.33                    | 22.30                       | 6.43                | 33.06                       | 46.00                     | -12.94                | QP       | HORIZONTAL   |

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC BELOW 1G.EM6

**Test Date** : 2022-09-16

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

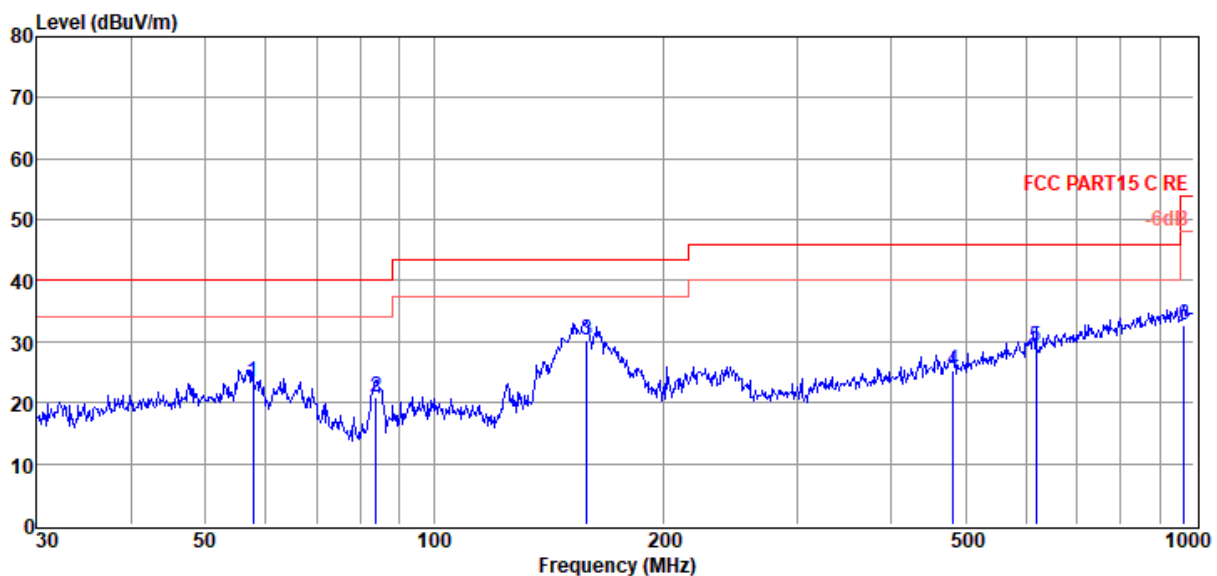
**Test Mode** : Tx Mode

**Condition** : Temp:23.8°C,Humi:52.4%,Press:100.3kPa

**Antenna/Distance** : 2022 VLUB9163 #3/3m/VERTICAL

**Memo** : BLE 1M (Adapter model: SA12BV-120100U)

Data:4



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>dB | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|---------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 57.80          | 7.42                    | 12.24                       | 3.73                | 23.39                       | 40.00                     | -16.61                | QP       | VERTICAL     |
| 2              | 83.82          | 9.10                    | 7.76                        | 3.90                | 20.76                       | 40.00                     | -19.24                | QP       | VERTICAL     |
| 3              | 158.67         | 18.08                   | 7.90                        | 4.29                | 30.27                       | 43.50                     | -13.23                | QP       | VERTICAL     |
| 4              | 482.22         | 3.23                    | 16.64                       | 5.43                | 25.30                       | 46.00                     | -20.70                | QP       | VERTICAL     |
| 5              | 618.54         | 4.58                    | 18.87                       | 5.79                | 29.24                       | 46.00                     | -16.76                | QP       | VERTICAL     |
| 6              | 968.93         | 3.14                    | 22.80                       | 6.67                | 32.61                       | 54.00                     | -21.39                | QP       | VERTICAL     |

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.



## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC BELOW 1G.EM6

**Test Date** : 2022-09-16

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

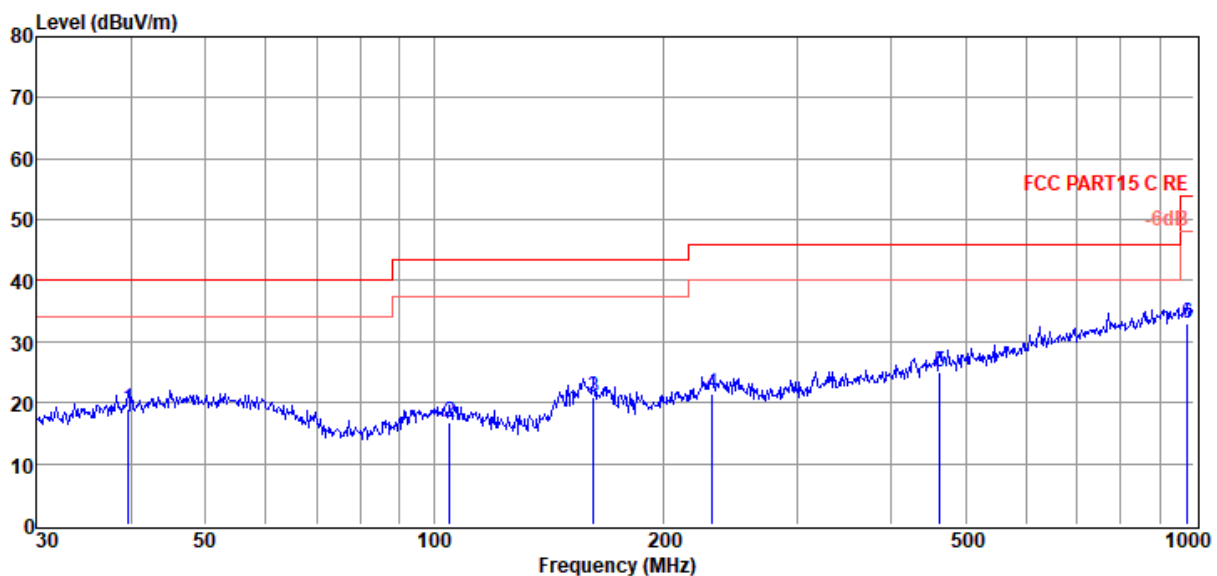
**Test Mode** : Tx Mode

**Condition** : Temp:23.8°C,Humi:52.4%,Press:100.3kPa

**Antenna/Distance** : 2022 VLUB9163 #3/3m/HORIZONTAL

**Memo** : BLE 2M (Adapter model: SA12BV-120100U)

Data:5



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>dB | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|---------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 39.58          | 3.29                    | 12.02                       | 3.61                | 18.92                       | 40.00                     | -21.08                | QP       | HORIZONTAL   |
| 2              | 104.90         | 1.72                    | 10.91                       | 4.01                | 16.64                       | 43.50                     | -26.86                | QP       | HORIZONTAL   |
| 3              | 162.04         | 8.61                    | 8.10                        | 4.31                | 21.02                       | 43.50                     | -22.48                | QP       | HORIZONTAL   |
| 4              | 232.53         | 5.11                    | 11.80                       | 4.59                | 21.50                       | 46.00                     | -24.50                | QP       | HORIZONTAL   |
| 5              | 462.35         | 3.36                    | 16.30                       | 5.36                | 25.02                       | 46.00                     | -20.98                | QP       | HORIZONTAL   |
| 6              | 979.18         | 3.40                    | 22.88                       | 6.73                | 33.01                       | 54.00                     | -20.99                | QP       | HORIZONTAL   |

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC BELOW 1G.EM6

**Test Date** : 2022-09-16

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

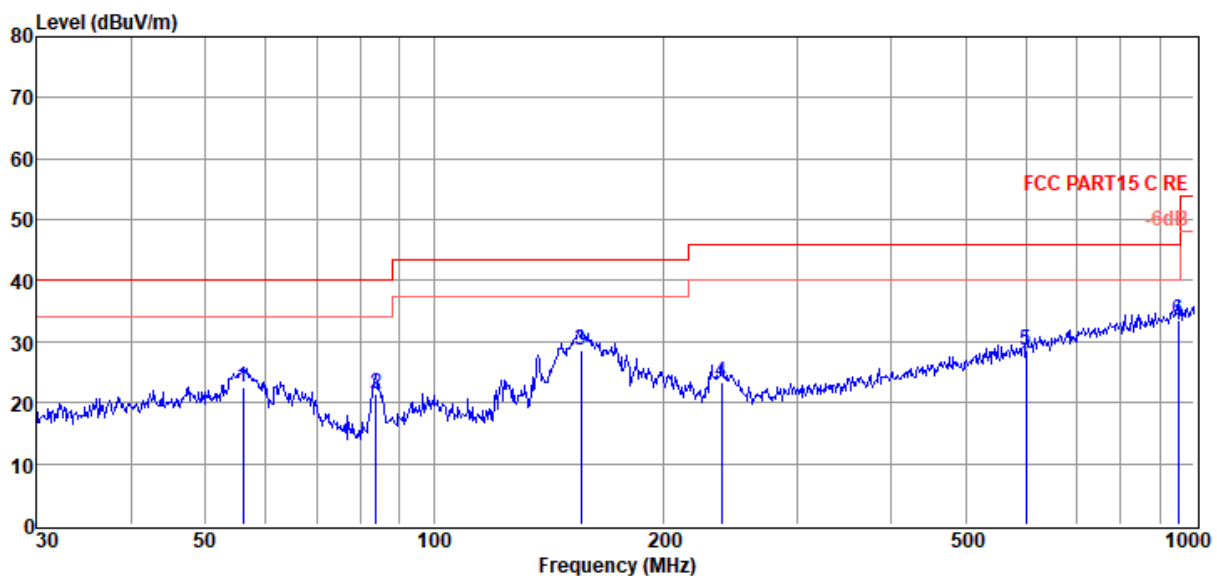
**Test Mode** : Tx Mode

**Condition** : Temp:23.8°C,Humi:52.4%,Press:100.3kPa

**Antenna/Distance** : 2022 VLUB9163 #3/3m/VERTICAL

**Memo** : BLE 2M (Adapter model: SA12BV-120100U)

Data:6



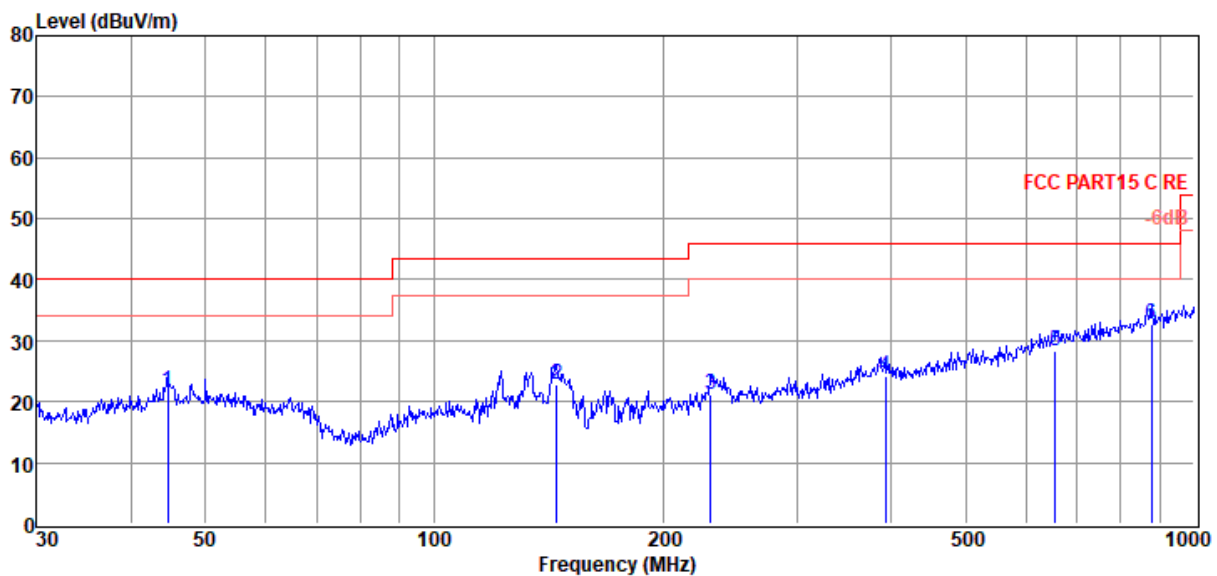
| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>dB | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|---------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 56.00          | 6.42                    | 12.50                       | 3.72                | 22.64                       | 40.00                     | -17.36                | QP       | VERTICAL     |
| 2              | 83.82          | 9.90                    | 7.76                        | 3.90                | 21.56                       | 40.00                     | -18.44                | QP       | VERTICAL     |
| 3              | 155.91         | 16.55                   | 7.79                        | 4.28                | 28.62                       | 43.50                     | -14.88                | QP       | VERTICAL     |
| 4              | 239.15         | 6.68                    | 11.98                       | 4.61                | 23.27                       | 46.00                     | -22.73                | QP       | VERTICAL     |
| 5              | 601.43         | 4.09                    | 18.70                       | 5.74                | 28.53                       | 46.00                     | -17.47                | QP       | VERTICAL     |
| 6              | 952.09         | 4.22                    | 22.70                       | 6.58                | 33.50                       | 46.00                     | -12.50                | QP       | VERTICAL     |

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC BELOW 1G 2#.EM6**Test Date** : 2022-10-19**Tested By** : James Gan**EUT** : StrideGym AI TV**Model Number** : ST2-CX-30D-US**Power Supply** : Battery**Test Mode** : Tx Mode**Condition** : Temp:23.7°C,Humi:45%,Press:100.3kPa**Antenna/Distance** : 2022 VLUB9163 #3/3m/HORIZONTAL**Memo** : BLE 1M (Adapter model: TPQ-368D120100UW01)Data:  
3

| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>dB | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|---------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 44.59          | 5.25                    | 12.96                       | 3.64                | 21.85                       | 40.00                     | -18.15                | QP       | HORIZONTAL   |
| 2              | 144.84         | 11.14                   | 7.40                        | 4.23                | 22.77                       | 43.50                     | -20.73                | QP       | HORIZONTAL   |
| 3              | 230.91         | 4.93                    | 11.74                       | 4.58                | 21.25                       | 46.00                     | -24.75                | QP       | HORIZONTAL   |
| 4              | 392.10         | 3.72                    | 15.24                       | 5.13                | 24.09                       | 46.00                     | -21.91                | QP       | HORIZONTAL   |
| 5              | 656.53         | 3.03                    | 19.33                       | 5.88                | 28.24                       | 46.00                     | -17.76                | QP       | HORIZONTAL   |
| 6              | 878.32         | 4.04                    | 22.30                       | 6.42                | 32.76                       | 46.00                     | -13.24                | QP       | HORIZONTAL   |

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC BELOW 1G 2#.EM6

**Test Date** : 2022-10-19

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : Battery

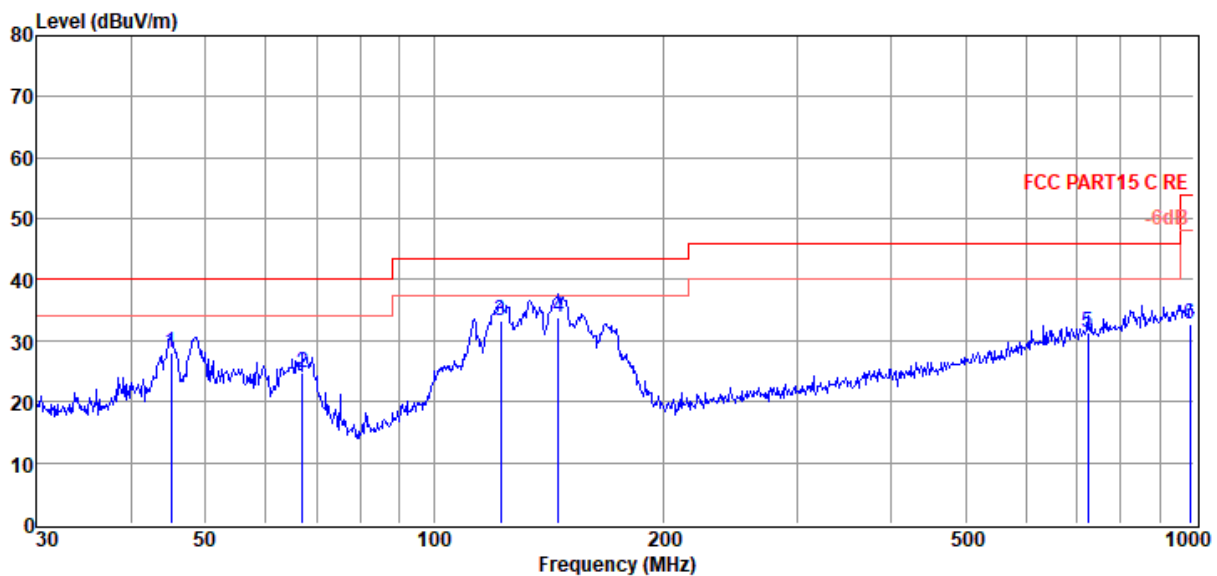
**Test Mode** : Tx Mode

**Condition** : Temp:23.7°C,Humi:45%,Press:100.3kPa

**Antenna/Distance** : 2022 VLUB9163 #3/3m/VERTICAL

**Memo** : BLE 1M (Adapter model: TPQ-368D120100UW01)

Data:  
4



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>dB | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|---------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 45.06          | 11.26                   | 13.01                       | 3.64                | 27.91                       | 40.00                     | -12.09                | QP       | VERTICAL     |
| 2              | 67.20          | 11.32                   | 9.62                        | 3.80                | 24.74                       | 40.00                     | -15.26                | QP       | VERTICAL     |
| 3              | 122.40         | 20.69                   | 8.46                        | 4.12                | 33.27                       | 43.50                     | -10.23                | QP       | VERTICAL     |
| 4              | 145.86         | 22.07                   | 7.40                        | 4.24                | 33.71                       | 43.50                     | -9.79                 | QP       | VERTICAL     |
| 5              | 724.26         | 4.79                    | 20.39                       | 6.04                | 31.22                       | 46.00                     | -14.78                | QP       | VERTICAL     |
| 6              | 986.07         | 3.15                    | 22.92                       | 6.77                | 32.84                       | 54.00                     | -21.16                | QP       | VERTICAL     |

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC BELOW 1G 2#.EM6

**Test Date** : 2022-10-19

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : Battery

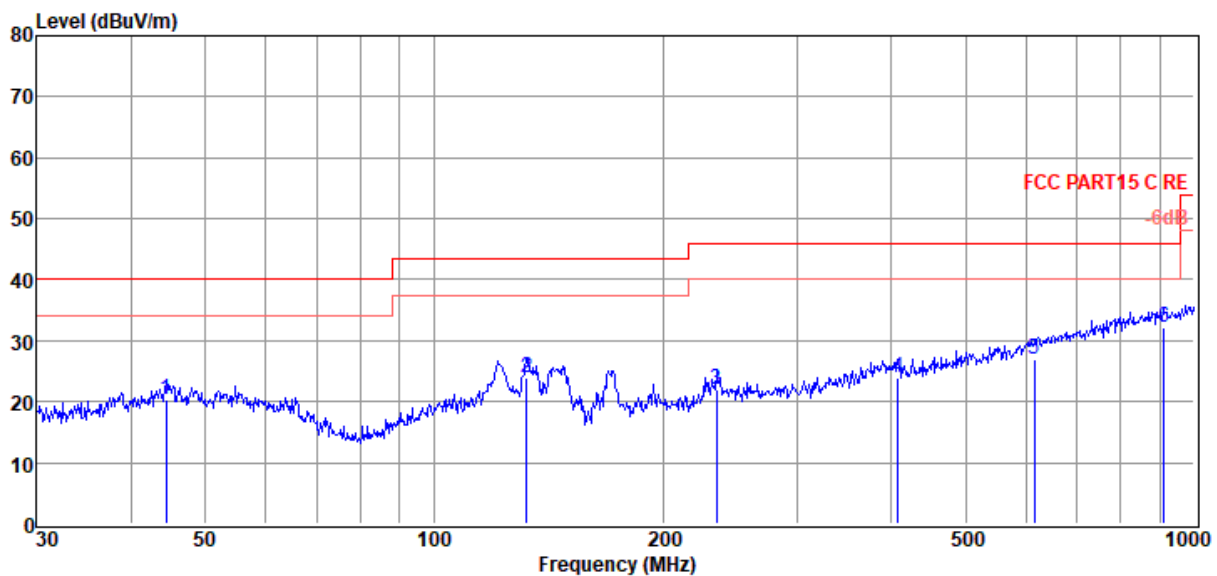
**Test Mode** : Tx Mode

**Condition** : Temp:23.7°C,Humi:45%,Press:100.3kPa

**Antenna/Distance** : 2022 VLUB9163 #3/3m/HORIZONTAL

**Memo** : BLE 2M (Adapter model: TPQ-368D120100UW01)

Data:  
5



| Item<br>(Mark) | Freq.<br>(MHz) | Read Level<br>(dBμV) | Antenna Factor<br>(dB/m) | Cable Loss<br>dB | Result Level<br>(dBμV/m) | Limit Line<br>(dBμV/m) | Over Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|----------------------|--------------------------|------------------|--------------------------|------------------------|--------------------|----------|--------------|
| 1              | 44.43          | 3.68                 | 12.94                    | 3.64             | 20.26                    | 40.00                  | -19.74             | QP       | HORIZONTAL   |
| 2              | 132.22         | 12.04                | 7.68                     | 4.17             | 23.89                    | 43.50                  | -19.61             | QP       | HORIZONTAL   |
| 3              | 234.99         | 5.42                 | 11.90                    | 4.60             | 21.92                    | 46.00                  | -24.08             | QP       | HORIZONTAL   |
| 4              | 407.51         | 3.24                 | 15.55                    | 5.18             | 23.97                    | 46.00                  | -22.03             | QP       | HORIZONTAL   |
| 5              | 616.37         | 2.25                 | 18.83                    | 5.78             | 26.86                    | 46.00                  | -19.14             | QP       | HORIZONTAL   |
| 6              | 912.86         | 3.28                 | 22.50                    | 6.50             | 32.28                    | 46.00                  | -13.72             | QP       | HORIZONTAL   |

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.



## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC BELOW 1G 2#.EM6

**Test Date** : 2022-10-19

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : Battery

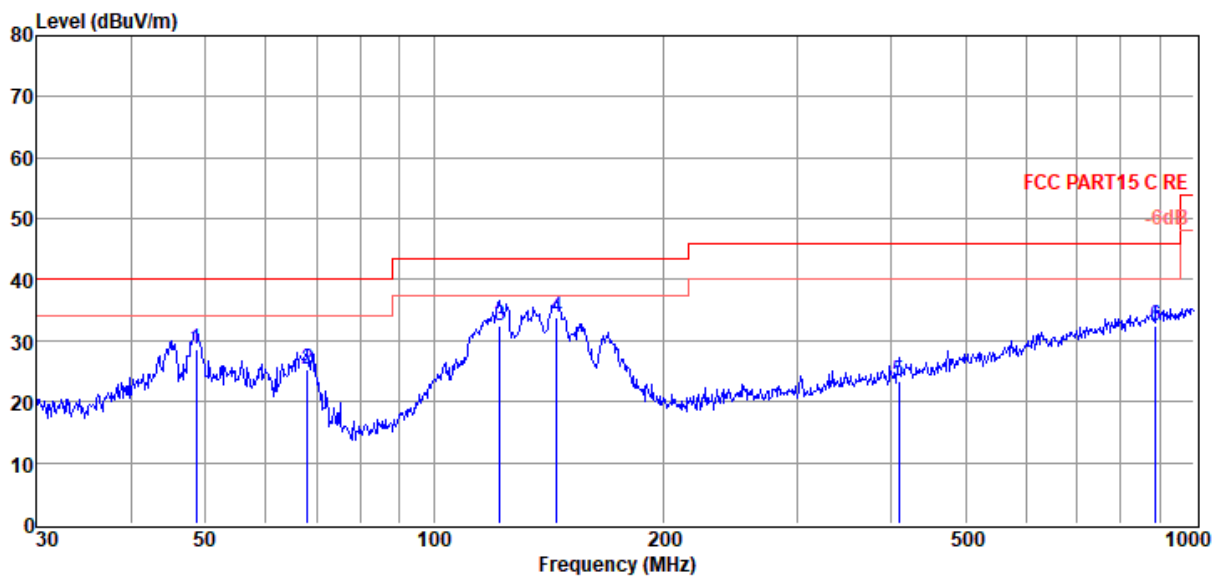
**Test Mode** : Tx Mode

**Condition** : Temp:23.7°C,Humi:45%,Press:100.3kPa

**Antenna/Distance** : 2022 VLUB9163 #3/3m/VERTICAL

**Memo** : BLE 2M (Adapter model: TPQ-368D120100UW01)

Data:  
6



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>dB | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|---------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 48.67          | 11.71                   | 13.20                       | 3.66                | 28.57                       | 40.00                     | -11.43                | QP       | VERTICAL     |
| 2              | 68.15          | 12.19                   | 9.24                        | 3.81                | 25.24                       | 40.00                     | -14.76                | QP       | VERTICAL     |
| 3              | 121.98         | 19.82                   | 8.50                        | 4.11                | 32.43                       | 43.50                     | -11.07                | QP       | VERTICAL     |
| 4              | 144.84         | 22.07                   | 7.40                        | 4.23                | 33.70                       | 43.50                     | -9.80                 | QP       | VERTICAL     |
| 5              | 408.95         | 2.49                    | 15.58                       | 5.18                | 23.25                       | 46.00                     | -22.75                | QP       | VERTICAL     |
| 6              | 890.73         | 3.70                    | 22.40                       | 6.45                | 32.55                       | 46.00                     | -13.45                | QP       | VERTICAL     |

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

## Radiated Emission test (above 1 GHz)

## TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

Test Date : 2022-09-20

Tested By : James Gan

EUT : StrideGym AI TV

Model Number : ST2-CX-30D-US

Power Supply : AC 120V/60Hz

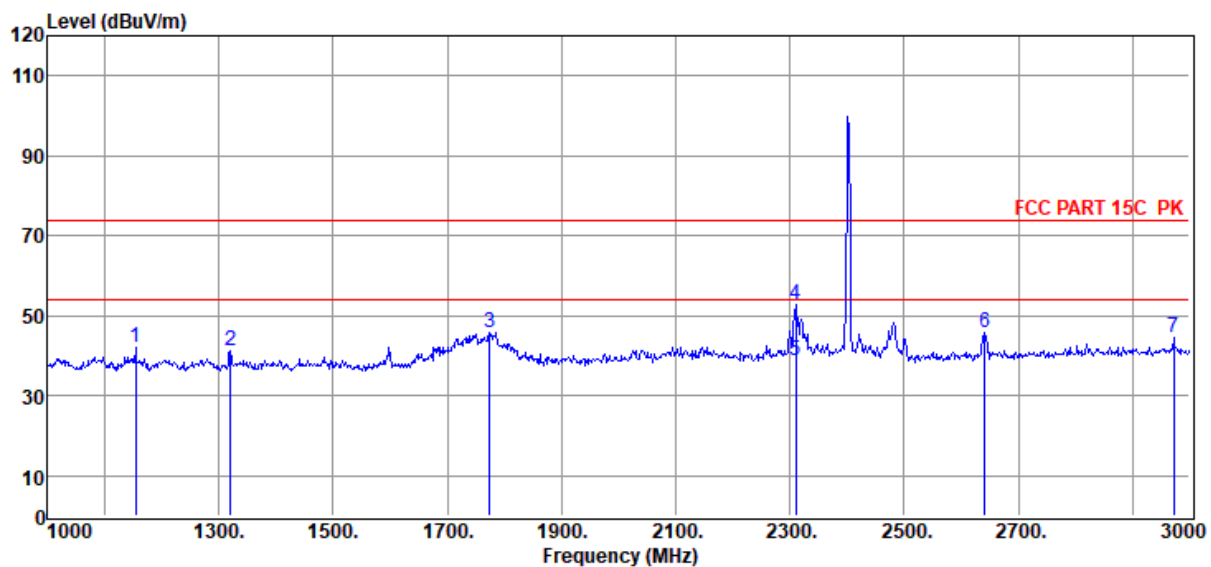
Test Mode : Tx Mode

Condition : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

Antenna/Distance : 2021 BBHA 9120D  
3#/3m/HORIZONTAL

Memo : BLE 1M 2402

Data: 25



| Item<br>(Mark) | Freq.<br>(MHz) | Read Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result Level<br>(dBμV/m) | Limit Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|----------------------|-----------------------------|-----------------------|-----------------------|--------------------------|--------------------------|------------------------|-----------------------|----------|--------------|
| 1              | 1154.00        | 52.99                | 25.47                       | 38.13                 | 1.19                  | 0.53                     | 42.05                    | 74.00                  | -31.95                | Peak     | HORIZONTAL   |
| 2              | 1320.00        | 52.48                | 25.44                       | 38.38                 | 1.28                  | 0.56                     | 41.38                    | 74.00                  | -32.62                | Peak     | HORIZONTAL   |
| 3              | 1774.00        | 56.74                | 26.11                       | 39.06                 | 1.50                  | 0.64                     | 45.93                    | 74.00                  | -28.07                | Peak     | HORIZONTAL   |
| 4              | 2310.00        | 62.88                | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 52.98                    | 74.00                  | -21.02                | Peak     | HORIZONTAL   |
| 5              | 2310.00        | 48.67                | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 38.77                    | 54.00                  | -15.23                | Average  | HORIZONTAL   |
| 6              | 2642.00        | 54.91                | 28.14                       | 39.72                 | 1.78                  | 0.75                     | 45.86                    | 74.00                  | -28.14                | Peak     | HORIZONTAL   |
| 7              | 2972.00        | 52.29                | 29.39                       | 39.89                 | 1.86                  | 0.79                     | 44.44                    | 74.00                  | -29.56                | Peak     | HORIZONTAL   |

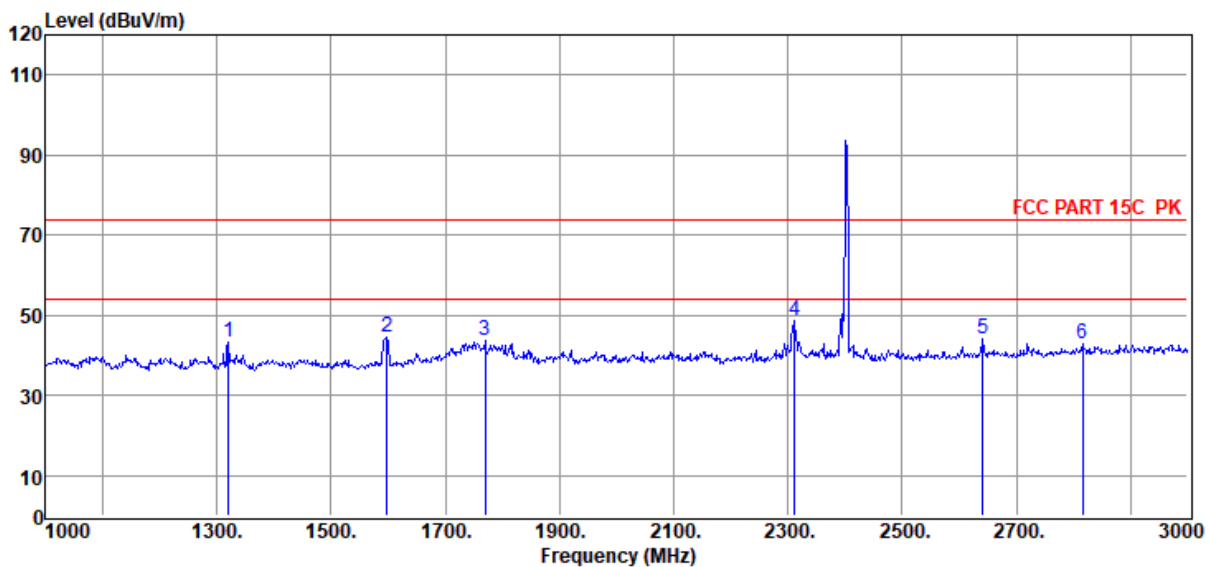
Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6**Test Date** : 2022-09-16**Tested By** : James Gan**EUT** : StrideGym AI TV**Model Number** : ST2-CX-30D-US**Power Supply** : AC 120V/60Hz**Test Mode** : Tx Mode**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa**Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL**Memo** : BLE 1M 2402

Data: 26



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 1320.00        | 54.32                   | 25.44                       | 38.38                 | 1.28                  | 0.56                     | 43.22                       | 74.00                     | -30.78                | Peak     | VERTICAL     |
| 2              | 1598.00        | 55.58                   | 25.65                       | 38.80                 | 1.42                  | 0.61                     | 44.46                       | 74.00                     | -29.54                | Peak     | VERTICAL     |
| 3              | 1770.00        | 54.70                   | 26.10                       | 39.06                 | 1.50                  | 0.64                     | 43.88                       | 74.00                     | -30.12                | Peak     | VERTICAL     |
| 4              | 2312.00        | 58.36                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 48.46                       | 74.00                     | -25.54                | Peak     | VERTICAL     |
| 5              | 2642.00        | 53.09                   | 28.14                       | 39.72                 | 1.78                  | 0.75                     | 44.04                       | 74.00                     | -29.96                | Peak     | VERTICAL     |
| 6              | 2816.00        | 51.39                   | 28.80                       | 39.81                 | 1.82                  | 0.77                     | 42.97                       | 74.00                     | -31.03                | Peak     | VERTICAL     |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

Test Date : 2022-09-16

Tested By : James Gan

EUT : StrideGym AI TV

Model Number : ST2-CX-30D-US

Power Supply : AC 120V/60Hz

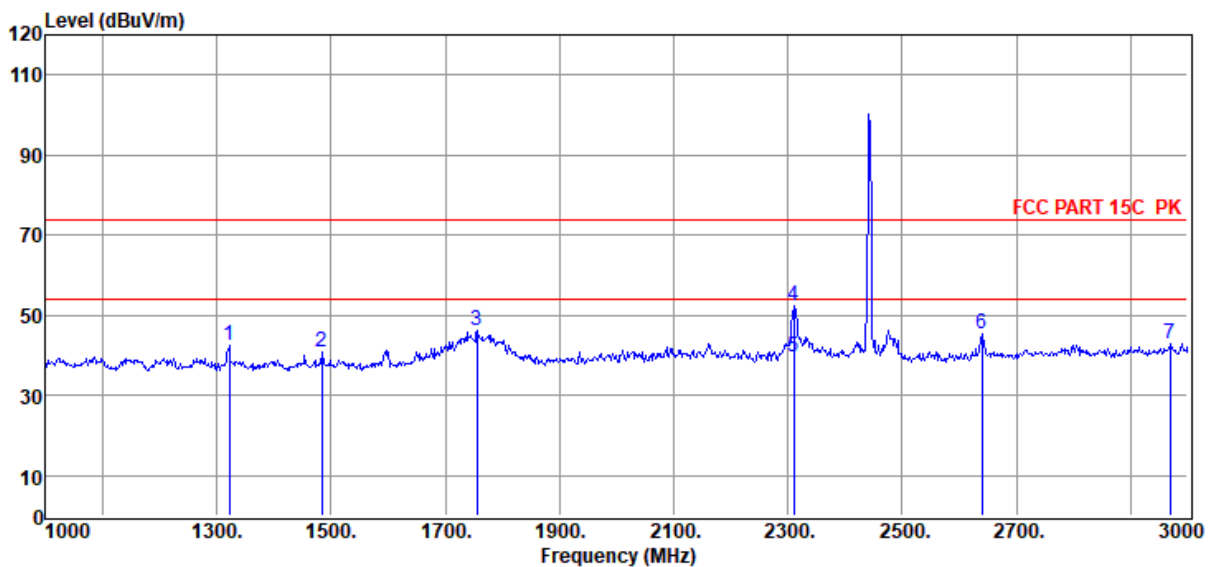
Test Mode : Tx Mode

Condition : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

Antenna/Distance : 2021 BBHA 9120D  
3#/3m/HORIZONTAL

Memo : BLE 1M 2440

Data: 27



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 1322.00        | 53.63                   | 25.44                       | 38.38                 | 1.28                  | 0.56                     | 42.53                       | 74.00                     | -31.47                | Peak     | HORIZONTAL   |
| 2              | 1484.00        | 52.24                   | 25.40                       | 38.63                 | 1.37                  | 0.59                     | 40.97                       | 74.00                     | -33.03                | Peak     | HORIZONTAL   |
| 3              | 1756.00        | 56.88                   | 26.07                       | 39.03                 | 1.49                  | 0.64                     | 46.05                       | 74.00                     | -27.95                | Peak     | HORIZONTAL   |
| 4              | 2310.00        | 62.43                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 52.53                       | 74.00                     | -21.47                | Peak     | HORIZONTAL   |
| 5              | 2310.00        | 49.61                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 39.71                       | 54.00                     | -14.29                | Average  | HORIZONTAL   |
| 6              | 2640.00        | 54.51                   | 28.13                       | 39.72                 | 1.78                  | 0.75                     | 45.45                       | 74.00                     | -28.55                | Peak     | HORIZONTAL   |
| 7              | 2970.00        | 50.90                   | 29.39                       | 39.89                 | 1.86                  | 0.79                     | 43.05                       | 74.00                     | -30.95                | Peak     | HORIZONTAL   |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

**Test Date** : 2022-09-16

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

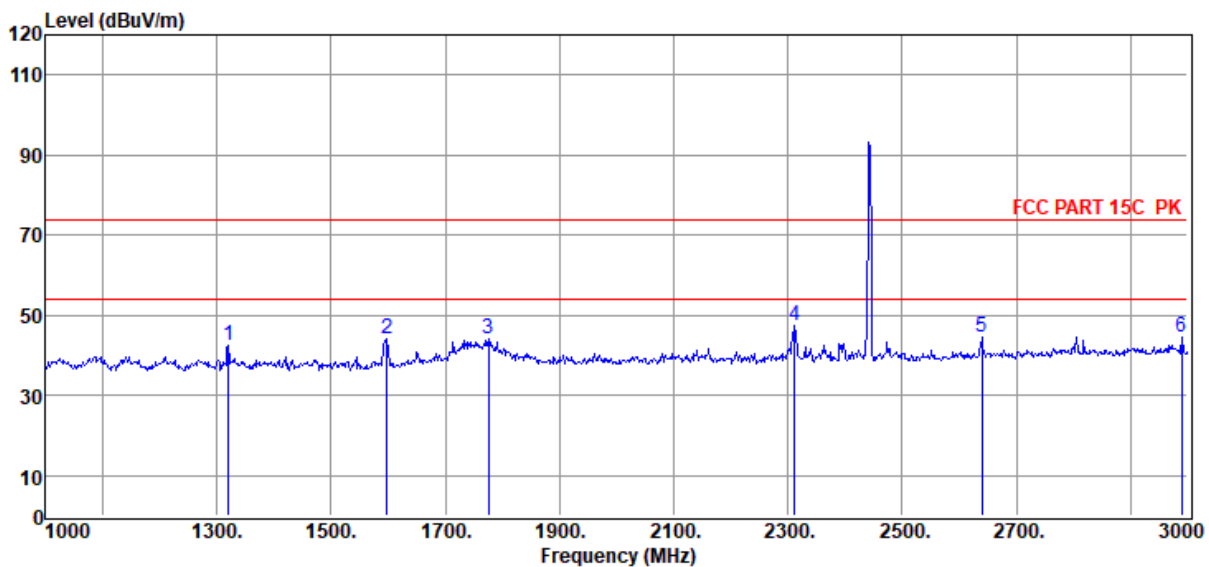
**Test Mode** : Tx Mode

**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

**Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL

**Memo** : BLE 1M 2440

Data: 28



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBuV/m) | Limit<br>Line<br>(dBuV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 1320.00        | 53.40                   | 25.44                       | 38.38                 | 1.28                  | 0.56                     | 42.30                       | 74.00                     | -31.70                | Peak     | VERTICAL     |
| 2              | 1598.00        | 55.14                   | 25.65                       | 38.80                 | 1.42                  | 0.61                     | 44.02                       | 74.00                     | -29.98                | Peak     | VERTICAL     |
| 3              | 1776.00        | 54.88                   | 26.12                       | 39.06                 | 1.50                  | 0.64                     | 44.08                       | 74.00                     | -29.92                | Peak     | VERTICAL     |
| 4              | 2312.00        | 57.19                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 47.29                       | 74.00                     | -26.71                | Peak     | VERTICAL     |
| 5              | 2640.00        | 53.63                   | 28.13                       | 39.72                 | 1.78                  | 0.75                     | 44.57                       | 74.00                     | -29.43                | Peak     | VERTICAL     |
| 6              | 2990.00        | 52.21                   | 29.46                       | 39.90                 | 1.87                  | 0.79                     | 44.43                       | 74.00                     | -29.57                | Peak     | VERTICAL     |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

**Test Date** : 2022-09-16

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

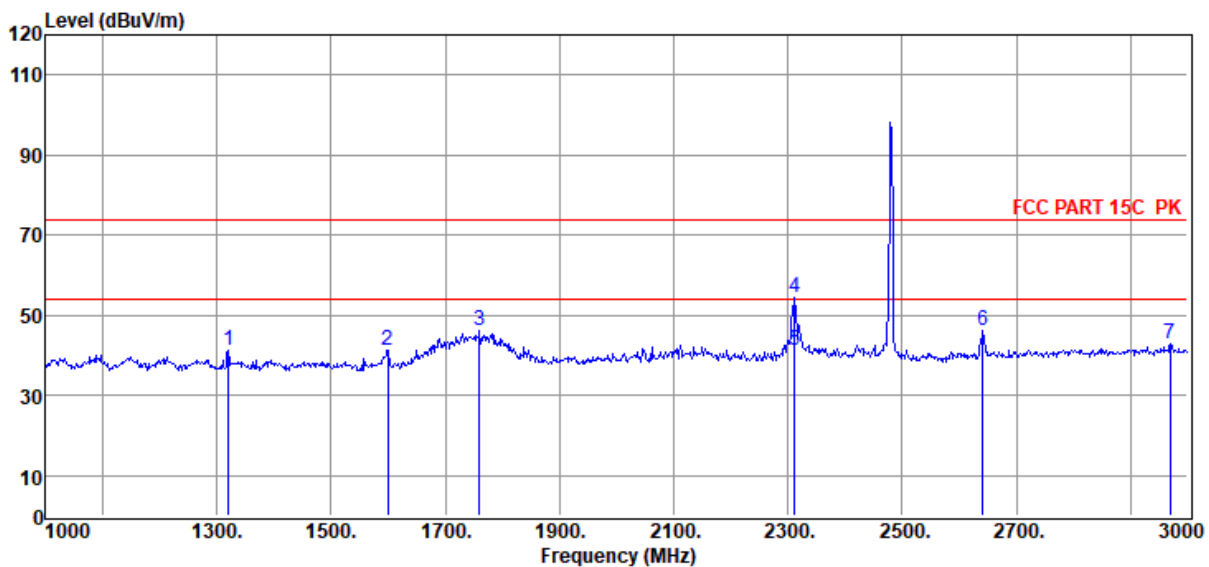
**Test Mode** : Tx Mode

**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

**Antenna/Distance** : 2021 BBHA 9120D  
3#/3m/HORIZONTAL

**Memo** : BLE 1M 2480

Data: 29



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 1320.00        | 52.37                   | 25.44                       | 38.38                 | 1.28                  | 0.56                     | 41.27                       | 74.00                     | -32.73                | Peak     | HORIZONTAL   |
| 2              | 1600.00        | 52.40                   | 25.66                       | 38.80                 | 1.42                  | 0.61                     | 41.29                       | 74.00                     | -32.71                | Peak     | HORIZONTAL   |
| 3              | 1760.00        | 56.96                   | 26.08                       | 39.04                 | 1.49                  | 0.64                     | 46.13                       | 74.00                     | -27.87                | Peak     | HORIZONTAL   |
| 4              | 2312.00        | 64.33                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 54.43                       | 74.00                     | -19.57                | Peak     | HORIZONTAL   |
| 5              | 2312.00        | 51.23                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 41.33                       | 54.00                     | -12.67                | Average  | HORIZONTAL   |
| 6              | 2642.00        | 55.24                   | 28.14                       | 39.72                 | 1.78                  | 0.75                     | 46.19                       | 74.00                     | -27.81                | Peak     | HORIZONTAL   |
| 7              | 2970.00        | 50.79                   | 29.39                       | 39.89                 | 1.86                  | 0.79                     | 42.94                       | 74.00                     | -31.06                | Peak     | HORIZONTAL   |

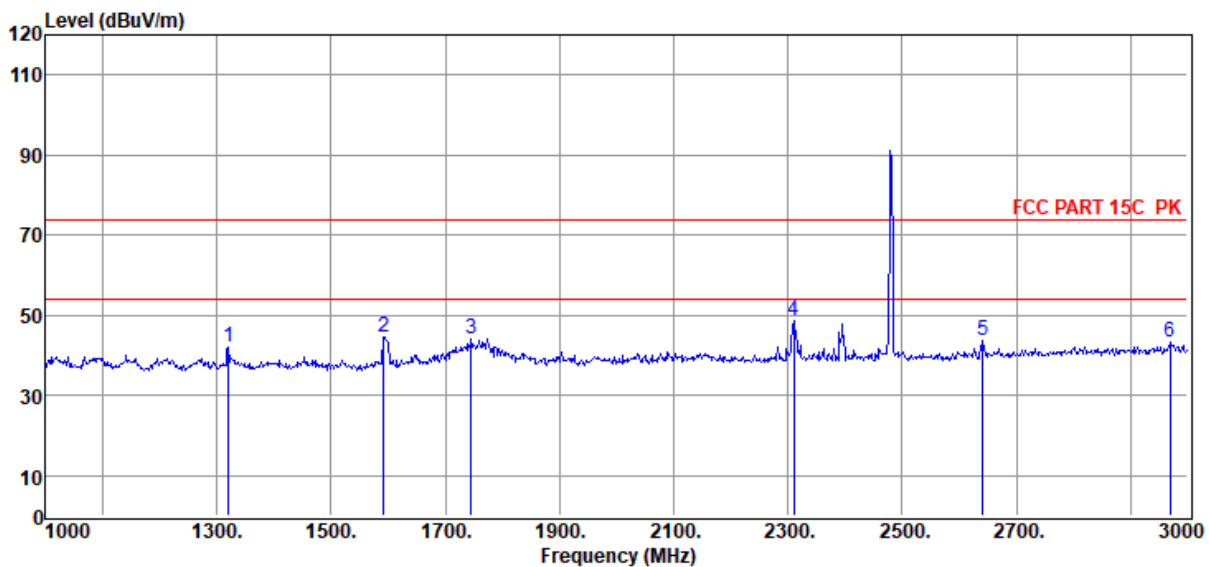
Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6**Test Date** : 2022-09-16**Tested By** : James Gan**EUT** : StrideGym AI TV**Model Number** : ST2-CX-30D-US**Power Supply** : AC 120V/60Hz**Test Mode** : Tx Mode**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa**Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL**Memo** : BLE 1M 2480

Data: 30



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 1320.00        | 53.30                   | 25.44                       | 38.38                 | 1.28                  | 0.56                     | 42.20                       | 74.00                     | -31.80                | Peak     | VERTICAL     |
| 2              | 1592.00        | 55.78                   | 25.64                       | 38.79                 | 1.42                  | 0.61                     | 44.66                       | 74.00                     | -29.34                | Peak     | VERTICAL     |
| 3              | 1746.00        | 55.18                   | 26.04                       | 39.02                 | 1.49                  | 0.63                     | 44.32                       | 74.00                     | -29.68                | Peak     | VERTICAL     |
| 4              | 2310.00        | 58.49                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 48.59                       | 74.00                     | -25.41                | Peak     | VERTICAL     |
| 5              | 2642.00        | 52.85                   | 28.14                       | 39.72                 | 1.78                  | 0.75                     | 43.80                       | 74.00                     | -30.20                | Peak     | VERTICAL     |
| 6              | 2970.00        | 51.02                   | 29.39                       | 39.89                 | 1.86                  | 0.79                     | 43.17                       | 74.00                     | -30.83                | Peak     | VERTICAL     |

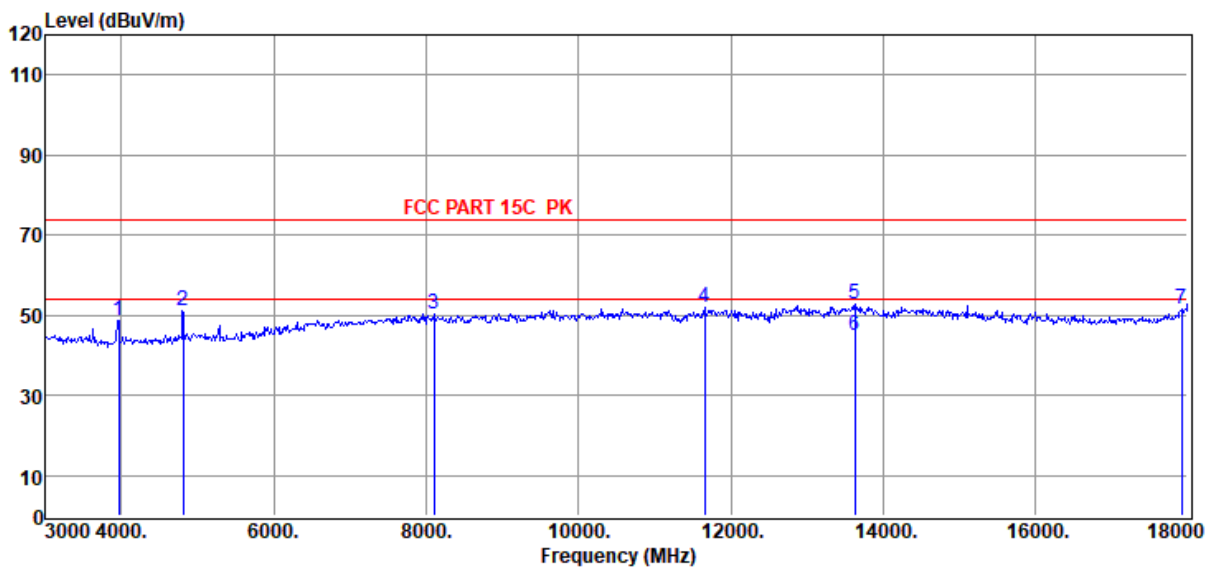
Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6**Test Date** : 2022-09-16**Tested By** : James Gan**EUT** : StrideGym AI TV**Model Number** : ST2-CX-30D-US**Power Supply** : AC 120V/60Hz**Test Mode** : Tx Mode**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa**Antenna/Distance** : 2021 BBHA 9120D  
3#/3m/HORIZONTAL**Memo** : BLE 1M 2402

Data: 31



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 3960.00        | 53.77                   | 30.96                       | 40.19                 | 2.08                  | 2.09                     | 48.71                       | 74.00                     | -25.29                | Peak     | HORIZONTAL   |
| 2              | 4804.00        | 54.58                   | 32.47                       | 40.36                 | 2.47                  | 2.16                     | 51.32                       | 74.00                     | -22.68                | Peak     | HORIZONTAL   |
| 3              | 8100.00        | 47.59                   | 37.16                       | 39.81                 | 3.20                  | 2.27                     | 50.41                       | 74.00                     | -23.59                | Peak     | HORIZONTAL   |
| 4              | 11655.00       | 46.53                   | 39.06                       | 40.13                 | 3.99                  | 2.39                     | 51.84                       | 74.00                     | -22.16                | Peak     | HORIZONTAL   |
| 5              | 13635.00       | 45.81                   | 39.97                       | 39.96                 | 4.14                  | 2.92                     | 52.88                       | 74.00                     | -21.12                | Peak     | HORIZONTAL   |
| 6              | 13635.00       | 37.99                   | 39.97                       | 39.96                 | 4.14                  | 2.92                     | 45.06                       | 54.00                     | -8.94                 | Average  | HORIZONTAL   |
| 7              | 17925.00       | 41.54                   | 42.03                       | 40.65                 | 4.94                  | 3.77                     | 51.63                       | 74.00                     | -22.37                | Peak     | HORIZONTAL   |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

**Test Date** : 2022-09-16

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

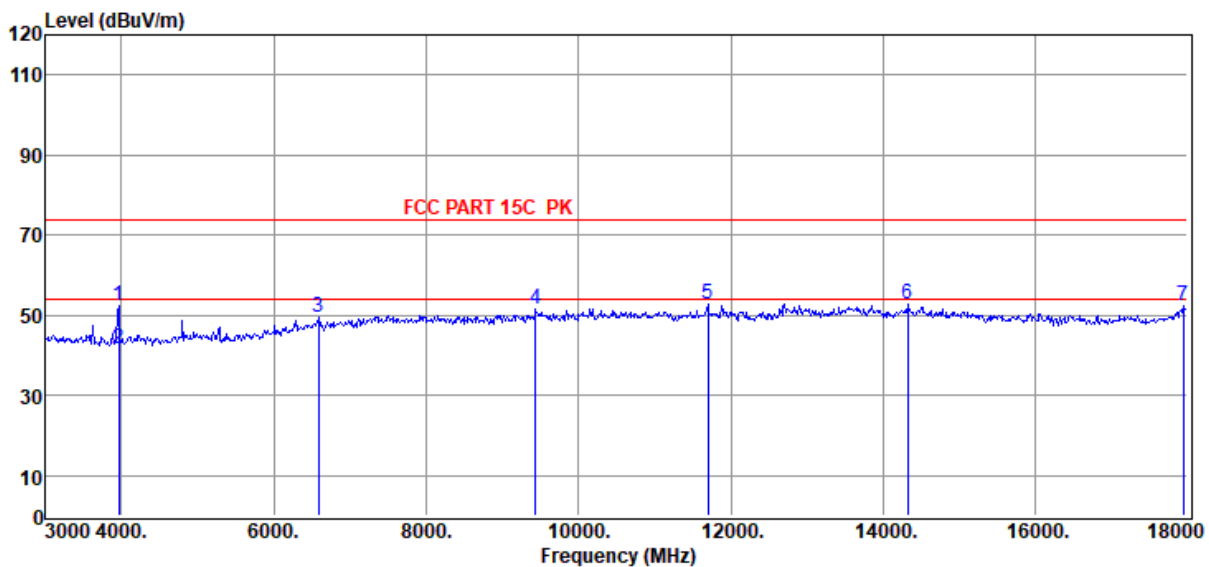
**Test Mode** : Tx Mode

**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

**Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL

**Memo** : BLE 1M 2402

Data: 32



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 3960.00        | 57.40                   | 30.96                       | 40.19                 | 2.08                  | 2.09                     | 52.34                       | 74.00                     | -21.66                | Peak     | VERTICAL     |
| 2              | 3960.00        | 46.71                   | 30.96                       | 40.19                 | 2.08                  | 2.09                     | 41.65                       | 54.00                     | -12.35                | Average  | VERTICAL     |
| 3              | 6585.00        | 48.44                   | 35.34                       | 40.03                 | 3.23                  | 2.48                     | 49.46                       | 74.00                     | -24.54                | Peak     | VERTICAL     |
| 4              | 9435.00        | 47.18                   | 38.65                       | 40.20                 | 3.58                  | 2.31                     | 51.52                       | 74.00                     | -22.48                | Peak     | VERTICAL     |
| 5              | 11700.00       | 47.30                   | 39.08                       | 40.13                 | 4.00                  | 2.39                     | 52.64                       | 74.00                     | -21.36                | Peak     | VERTICAL     |
| 6              | 14325.00       | 45.51                   | 39.90                       | 39.67                 | 4.41                  | 2.81                     | 52.96                       | 74.00                     | -21.04                | Peak     | VERTICAL     |
| 7              | 17940.00       | 42.26                   | 42.13                       | 40.66                 | 4.94                  | 3.77                     | 52.44                       | 74.00                     | -21.56                | Peak     | VERTICAL     |

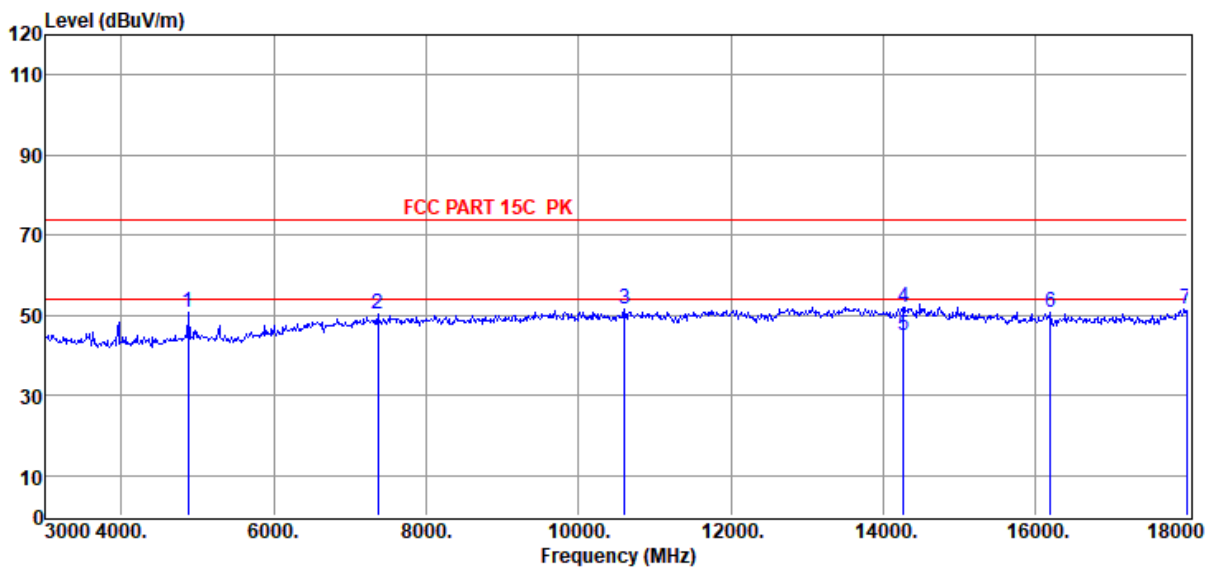
Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6**Test Date** : 2022-09-16**Tested By** : James Gan**EUT** : StrideGym AI TV**Model Number** : ST2-CX-30D-US**Power Supply** : AC 120V/60Hz**Test Mode** : Tx Mode**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa**Antenna/Distance** : 2021 BBHA 9120D  
3#/3m/HORIZONTAL**Memo** : BLE 1M 2440

Data: 33



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 4875.00        | 53.89                   | 32.70                       | 40.38                 | 2.49                  | 2.17                     | 50.87                       | 74.00                     | -23.13                | Peak     | HORIZONTAL   |
| 2              | 7365.00        | 48.17                   | 36.29                       | 39.74                 | 3.11                  | 2.27                     | 50.10                       | 74.00                     | -23.90                | Peak     | HORIZONTAL   |
| 3              | 10605.00       | 46.80                   | 39.06                       | 40.36                 | 3.70                  | 2.42                     | 51.62                       | 74.00                     | -22.38                | Peak     | HORIZONTAL   |
| 4              | 14265.00       | 44.55                   | 39.90                       | 39.67                 | 4.43                  | 2.83                     | 52.04                       | 74.00                     | -21.96                | Peak     | HORIZONTAL   |
| 5              | 14265.00       | 37.59                   | 39.90                       | 39.67                 | 4.43                  | 2.83                     | 45.08                       | 54.00                     | -8.92                 | Average  | HORIZONTAL   |
| 6              | 16200.00       | 44.76                   | 37.90                       | 39.94                 | 4.65                  | 3.20                     | 50.57                       | 74.00                     | -23.43                | Peak     | HORIZONTAL   |
| 7              | 17985.00       | 41.11                   | 42.41                       | 40.69                 | 4.96                  | 3.79                     | 51.58                       | 74.00                     | -22.42                | Peak     | HORIZONTAL   |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

**Test Date** : 2022-09-16

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

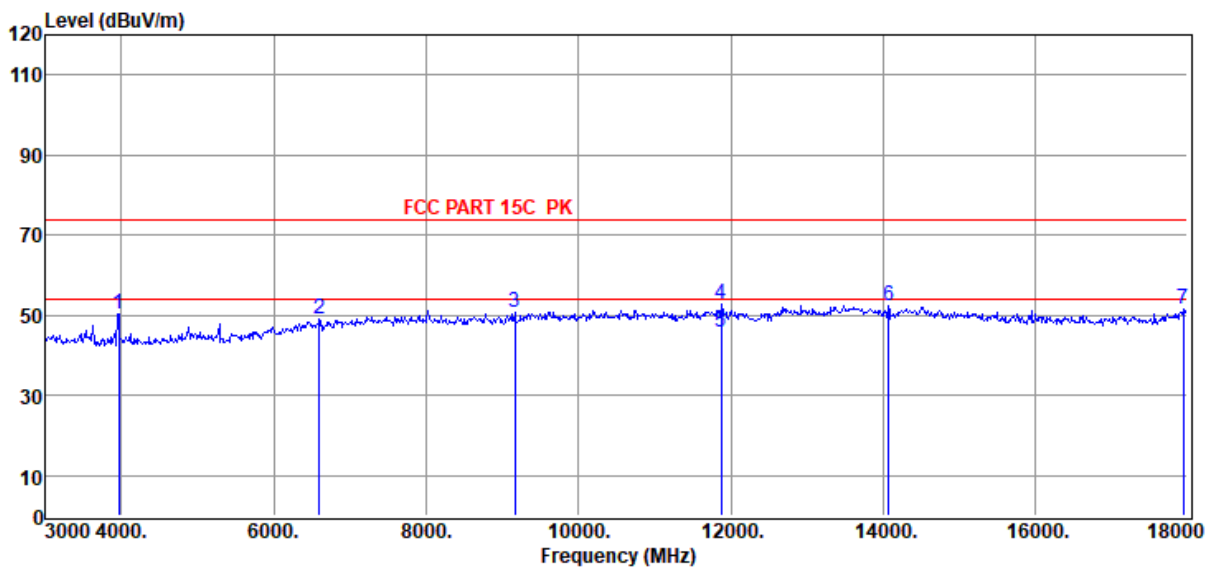
**Test Mode** : Tx Mode

**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

**Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL

**Memo** : BLE 1M 2440

Data: 34



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBuV/m) | Limit<br>Line<br>(dBuV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 3960.00        | 55.57                   | 30.96                       | 40.19                 | 2.08                  | 2.09                     | 50.51                       | 74.00                     | -23.49                | Peak     | VERTICAL     |
| 2              | 6600.00        | 47.93                   | 35.36                       | 40.02                 | 3.22                  | 2.48                     | 48.97                       | 74.00                     | -25.03                | Peak     | VERTICAL     |
| 3              | 9165.00        | 46.85                   | 38.43                       | 40.02                 | 3.43                  | 2.23                     | 50.92                       | 74.00                     | -23.08                | Peak     | VERTICAL     |
| 4              | 11880.00       | 47.18                   | 39.15                       | 40.11                 | 4.03                  | 2.40                     | 52.65                       | 74.00                     | -21.35                | Peak     | VERTICAL     |
| 5              | 11880.00       | 40.17                   | 39.15                       | 40.11                 | 4.03                  | 2.40                     | 45.64                       | 54.00                     | -8.36                 | Average  | VERTICAL     |
| 6              | 14070.00       | 44.69                   | 39.90                       | 39.69                 | 4.50                  | 2.88                     | 52.28                       | 74.00                     | -21.72                | Peak     | VERTICAL     |
| 7              | 17940.00       | 41.24                   | 42.13                       | 40.66                 | 4.94                  | 3.77                     | 51.42                       | 74.00                     | -22.58                | Peak     | VERTICAL     |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

**Test Date** : 2022-09-16

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

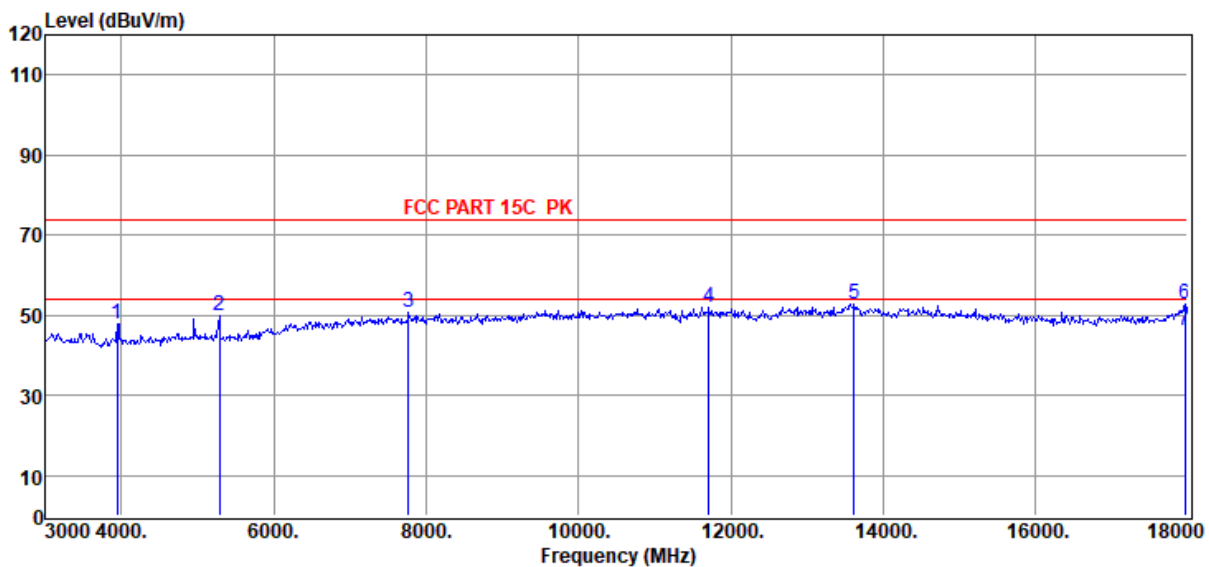
**Test Mode** : Tx Mode

**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

**Antenna/Distance** : 2021 BBHA 9120D  
3#/3m/HORIZONTAL

**Memo** : BLE 1M 2480

Data: 35



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBuV/m) | Limit<br>Line<br>(dBuV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 3945.00        | 53.12                   | 30.91                       | 40.18                 | 2.06                  | 2.10                     | 48.01                       | 74.00                     | -25.99                | Peak     | HORIZONTAL   |
| 2              | 5280.00        | 52.61                   | 32.93                       | 40.43                 | 2.56                  | 2.36                     | 50.03                       | 74.00                     | -23.97                | Peak     | HORIZONTAL   |
| 3              | 7770.00        | 48.13                   | 36.72                       | 39.78                 | 3.17                  | 2.28                     | 50.52                       | 74.00                     | -23.48                | Peak     | HORIZONTAL   |
| 4              | 11715.00       | 46.70                   | 39.09                       | 40.13                 | 4.00                  | 2.39                     | 52.05                       | 74.00                     | -21.95                | Peak     | HORIZONTAL   |
| 5              | 13620.00       | 45.76                   | 39.98                       | 39.97                 | 4.12                  | 2.92                     | 52.81                       | 74.00                     | -21.19                | Peak     | HORIZONTAL   |
| 6              | 17970.00       | 42.46                   | 42.31                       | 40.68                 | 4.95                  | 3.78                     | 52.82                       | 74.00                     | -21.18                | Peak     | HORIZONTAL   |
| 7              | 17970.00       | 35.73                   | 42.31                       | 40.68                 | 4.95                  | 3.78                     | 46.09                       | 54.00                     | -7.91                 | Average  | HORIZONTAL   |

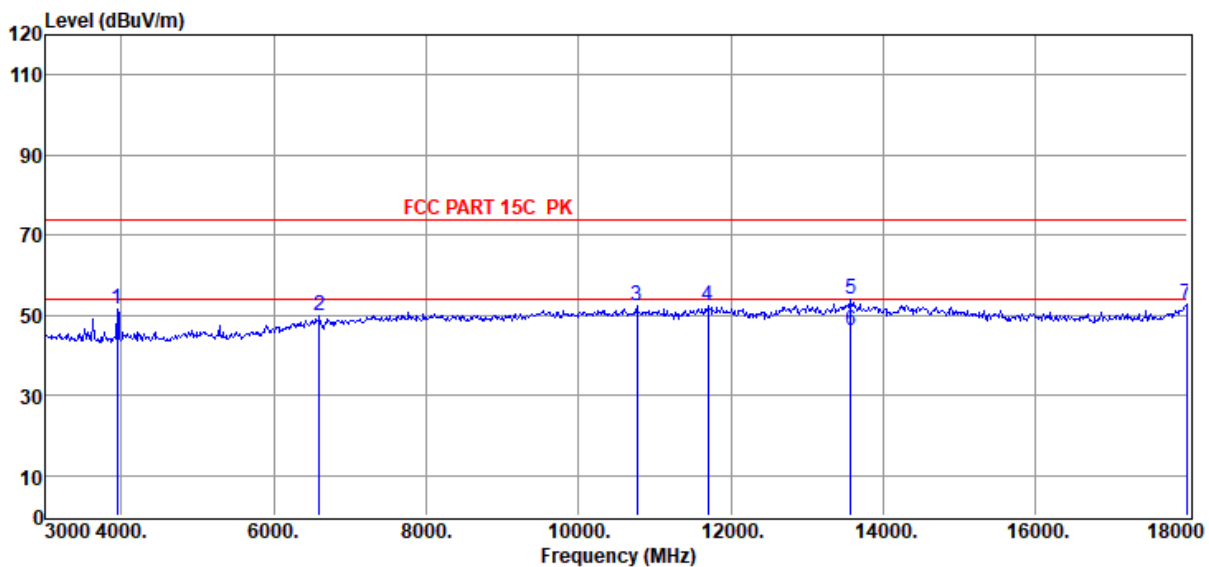
Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6**Test Date** : 2022-09-16**Tested By** : James Gan**EUT** : StrideGym AI TV**Model Number** : ST2-CX-30D-US**Power Supply** : AC 120V/60Hz**Test Mode** : Tx Mode**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa**Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL**Memo** : BLE 1M 2480

Data: 36



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 3945.00        | 56.51                   | 30.91                       | 40.18                 | 2.06                  | 2.10                     | 51.40                       | 74.00                     | -22.60                | Peak     | VERTICAL     |
| 2              | 6600.00        | 48.75                   | 35.36                       | 40.02                 | 3.22                  | 2.48                     | 49.79                       | 74.00                     | -24.21                | Peak     | VERTICAL     |
| 3              | 10770.00       | 47.22                   | 39.16                       | 40.29                 | 3.74                  | 2.40                     | 52.23                       | 74.00                     | -21.77                | Peak     | VERTICAL     |
| 4              | 11700.00       | 46.94                   | 39.08                       | 40.13                 | 4.00                  | 2.39                     | 52.28                       | 74.00                     | -21.72                | Peak     | VERTICAL     |
| 5              | 13575.00       | 46.92                   | 39.99                       | 40.00                 | 4.07                  | 2.93                     | 53.91                       | 74.00                     | -20.09                | Peak     | VERTICAL     |
| 6              | 13575.00       | 39.20                   | 39.99                       | 40.00                 | 4.07                  | 2.93                     | 46.19                       | 54.00                     | -7.81                 | Average  | VERTICAL     |
| 7              | 17985.00       | 42.37                   | 42.41                       | 40.69                 | 4.96                  | 3.79                     | 52.84                       | 74.00                     | -21.16                | Peak     | VERTICAL     |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

**Test Date** : 2022-09-23

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

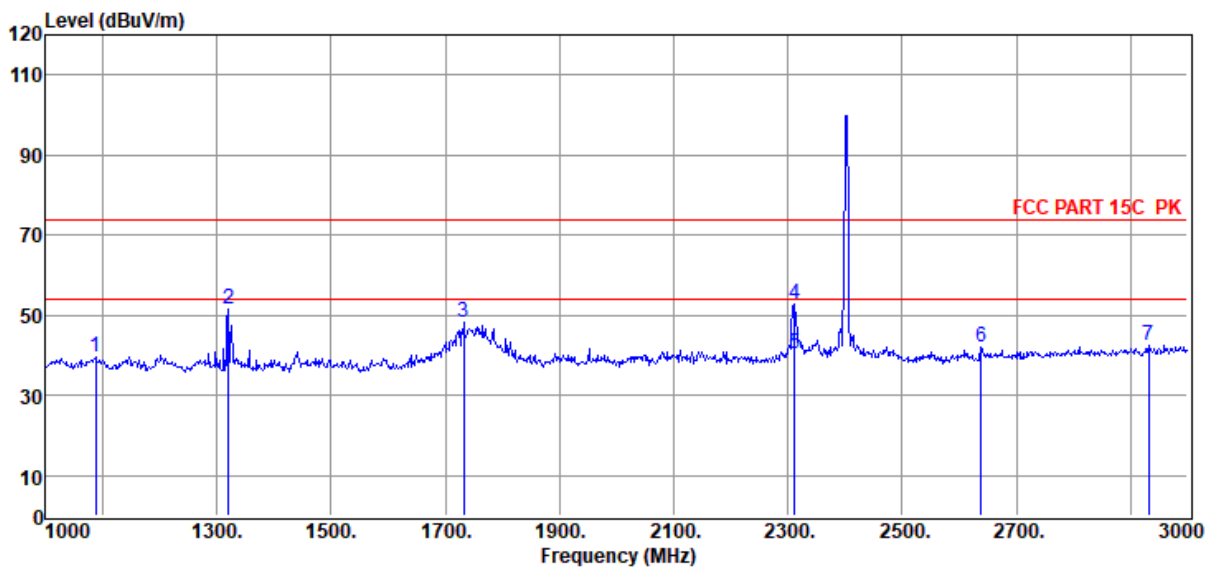
**Test Mode** : Tx Mode

**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

**Antenna/Distance** : 2021 BBHA 9120D  
3#/3m/HORIZONTAL

**Memo** : BLE 2M 2402

Data: 41



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 1088.00        | 50.45                   | 25.48                       | 38.03                 | 1.15                  | 0.52                     | 39.57                       | 74.00                     | -34.43                | Peak     | HORIZONTAL   |
| 2              | 1320.00        | 62.61                   | 25.44                       | 38.38                 | 1.28                  | 0.56                     | 51.51                       | 74.00                     | -22.49                | Peak     | HORIZONTAL   |
| 3              | 1732.00        | 59.22                   | 26.00                       | 39.00                 | 1.48                  | 0.63                     | 48.33                       | 74.00                     | -25.67                | Peak     | HORIZONTAL   |
| 4              | 2312.00        | 62.61                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 52.71                       | 74.00                     | -21.29                | Peak     | HORIZONTAL   |
| 5              | 2312.00        | 50.37                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 40.47                       | 54.00                     | -13.53                | Average  | HORIZONTAL   |
| 6              | 2638.00        | 51.32                   | 28.12                       | 39.72                 | 1.78                  | 0.75                     | 42.25                       | 74.00                     | -31.75                | Peak     | HORIZONTAL   |
| 7              | 2932.00        | 50.43                   | 29.24                       | 39.87                 | 1.85                  | 0.78                     | 42.43                       | 74.00                     | -31.57                | Peak     | HORIZONTAL   |

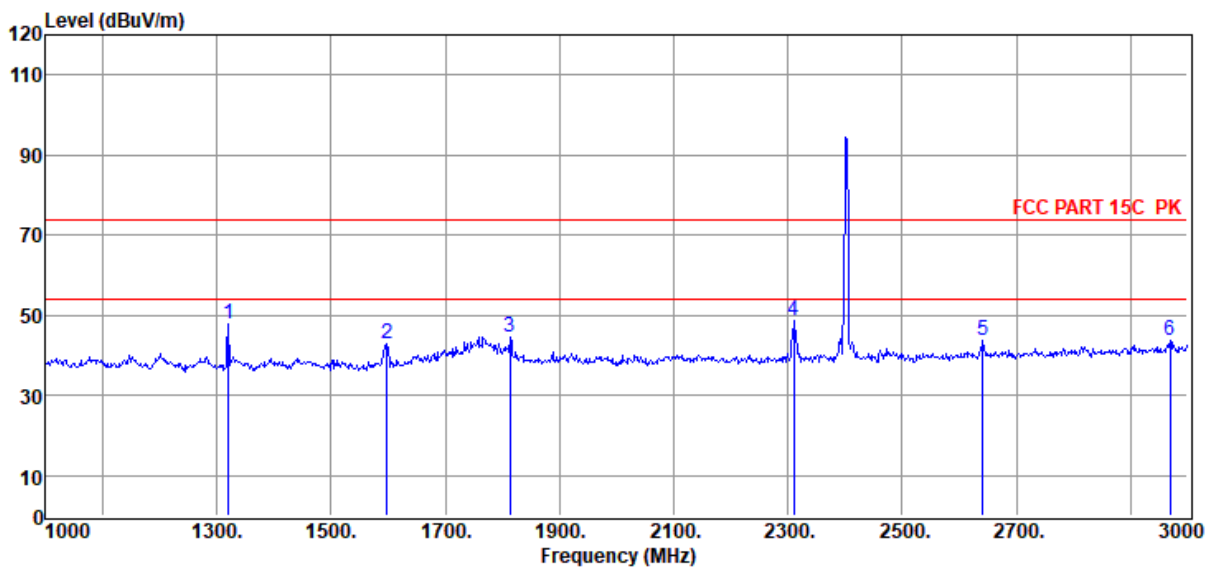
Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6**Test Date** : 2022-09-23**Tested By** : James Gan**EUT** : StrideGym AI TV**Model Number** : ST2-CX-30D-US**Power Supply** : AC 120V/60Hz**Test Mode** : Tx Mode**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa**Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL**Memo** : BLE 2M 2402

Data: 42



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 1320.00        | 59.11                   | 25.44                       | 38.38                 | 1.28                  | 0.56                     | 48.01                       | 74.00                     | -25.99                | Peak     | VERTICAL     |
| 2              | 1598.00        | 53.92                   | 25.65                       | 38.80                 | 1.42                  | 0.61                     | 42.80                       | 74.00                     | -31.20                | Peak     | VERTICAL     |
| 3              | 1814.00        | 55.44                   | 26.22                       | 39.12                 | 1.52                  | 0.65                     | 44.71                       | 74.00                     | -29.29                | Peak     | VERTICAL     |
| 4              | 2310.00        | 58.65                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 48.75                       | 74.00                     | -25.25                | Peak     | VERTICAL     |
| 5              | 2642.00        | 52.60                   | 28.14                       | 39.72                 | 1.78                  | 0.75                     | 43.55                       | 74.00                     | -30.45                | Peak     | VERTICAL     |
| 6              | 2970.00        | 51.72                   | 29.39                       | 39.89                 | 1.86                  | 0.79                     | 43.87                       | 74.00                     | -30.13                | Peak     | VERTICAL     |

Note:

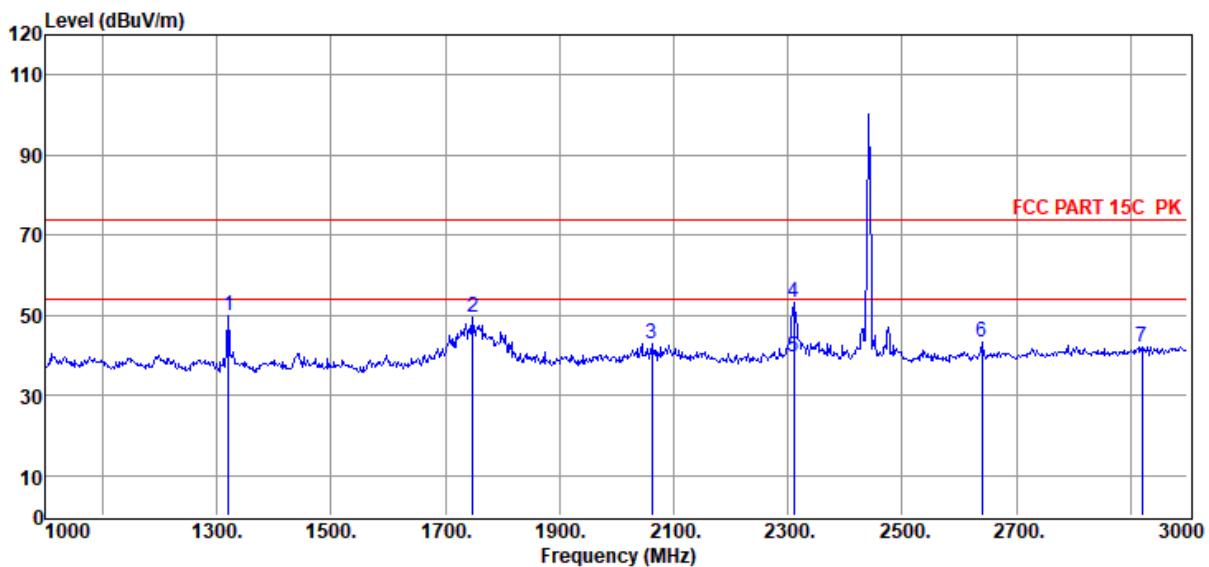
1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6**Test Date** : 2022-09-23**Tested By** : James Gan**EUT** : StrideGym AI TV**Model Number** : ST2-CX-30D-US**Power Supply** : AC 120V/60Hz**Test Mode** : Tx Mode**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa**Antenna/Distance** : 2021 BBHA 9120D  
3#/3m/HORIZONTAL**Memo** : BLE 2M 2440

Data: 43



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 1320.00        | 60.94                   | 25.44                       | 38.38                 | 1.28                  | 0.56                     | 49.84                       | 74.00                     | -24.16                | Peak     | HORIZONTAL   |
| 2              | 1748.00        | 60.38                   | 26.04                       | 39.02                 | 1.49                  | 0.63                     | 49.52                       | 74.00                     | -24.48                | Peak     | HORIZONTAL   |
| 3              | 2062.00        | 53.29                   | 26.81                       | 39.43                 | 1.62                  | 0.69                     | 42.98                       | 74.00                     | -31.02                | Peak     | HORIZONTAL   |
| 4              | 2310.00        | 62.90                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 53.00                       | 74.00                     | -21.00                | Peak     | HORIZONTAL   |
| 5              | 2310.00        | 49.57                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 39.67                       | 54.00                     | -14.33                | Average  | HORIZONTAL   |
| 6              | 2640.00        | 52.17                   | 28.13                       | 39.72                 | 1.78                  | 0.75                     | 43.11                       | 74.00                     | -30.89                | Peak     | HORIZONTAL   |
| 7              | 2920.00        | 50.13                   | 29.20                       | 39.86                 | 1.85                  | 0.78                     | 42.10                       | 74.00                     | -31.90                | Peak     | HORIZONTAL   |

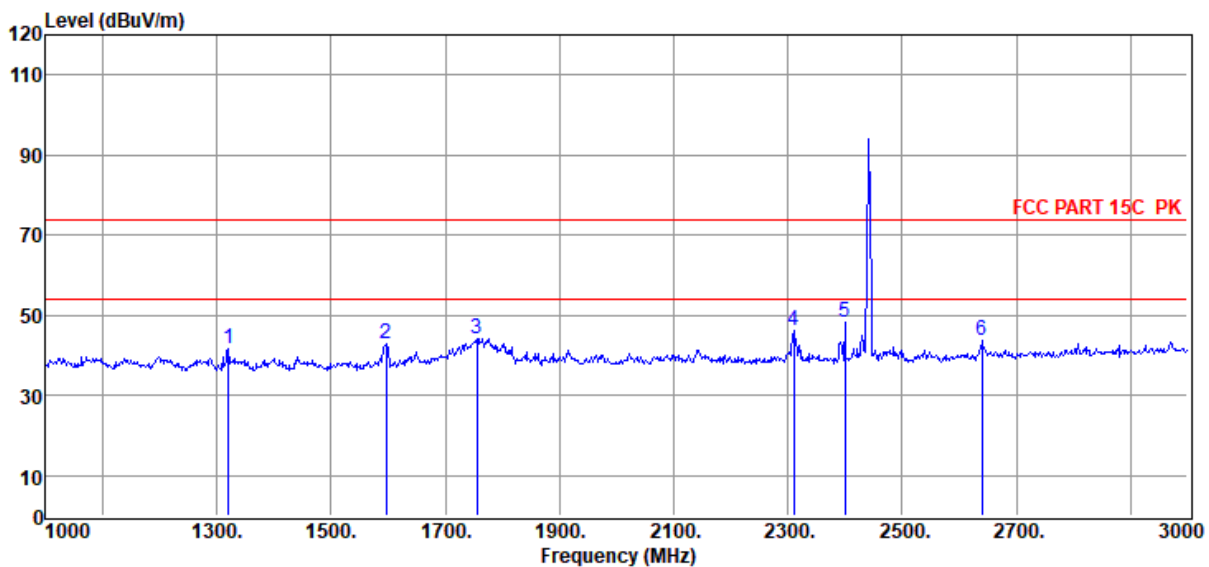
Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6**Test Date** : 2022-09-23**Tested By** : James Gan**EUT** : StrideGym AI TV**Model Number** : ST2-CX-30D-US**Power Supply** : AC 120V/60Hz**Test Mode** : Tx Mode**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa**Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL**Memo** : BLE 2M 2440

Data: 44



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 1320.00        | 52.77                   | 25.44                       | 38.38                 | 1.28                  | 0.56                     | 41.67                       | 74.00                     | -32.33                | Peak     | VERTICAL     |
| 2              | 1596.00        | 54.16                   | 25.65                       | 38.79                 | 1.42                  | 0.61                     | 43.05                       | 74.00                     | -30.95                | Peak     | VERTICAL     |
| 3              | 1756.00        | 55.11                   | 26.07                       | 39.03                 | 1.49                  | 0.64                     | 44.28                       | 74.00                     | -29.72                | Peak     | VERTICAL     |
| 4              | 2310.00        | 56.03                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 46.13                       | 74.00                     | -27.87                | Peak     | VERTICAL     |
| 5              | 2400.00        | 58.18                   | 27.42                       | 39.60                 | 1.71                  | 0.72                     | 48.43                       | 74.00                     | -25.57                | Peak     | VERTICAL     |
| 6              | 2640.00        | 52.57                   | 28.13                       | 39.72                 | 1.78                  | 0.75                     | 43.51                       | 74.00                     | -30.49                | Peak     | VERTICAL     |

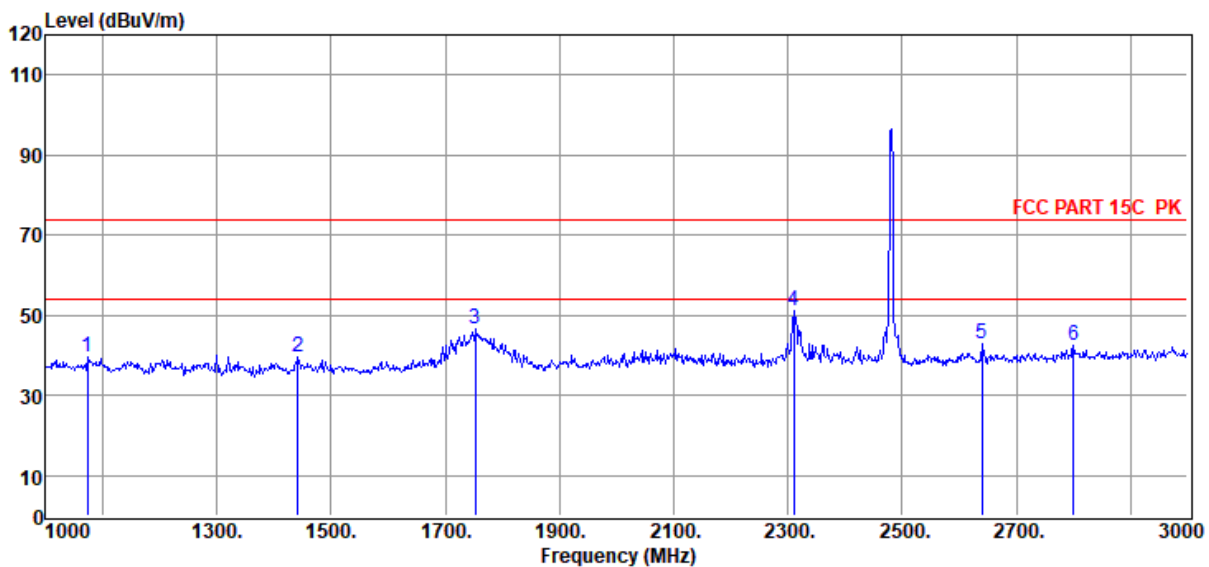
Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6**Test Date** : 2022-09-23**Tested By** : James Gan**EUT** : StrideGym AI TV**Model Number** : ST2-CX-30D-US**Power Supply** : AC 120V/60Hz**Test Mode** : Tx Mode**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa**Antenna/Distance** : 2021 BBHA 9120D  
3#/3m/HORIZONTAL**Memo** : BLE 2M 2480

Data: 45



Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

**Test Date** : 2022-09-23

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

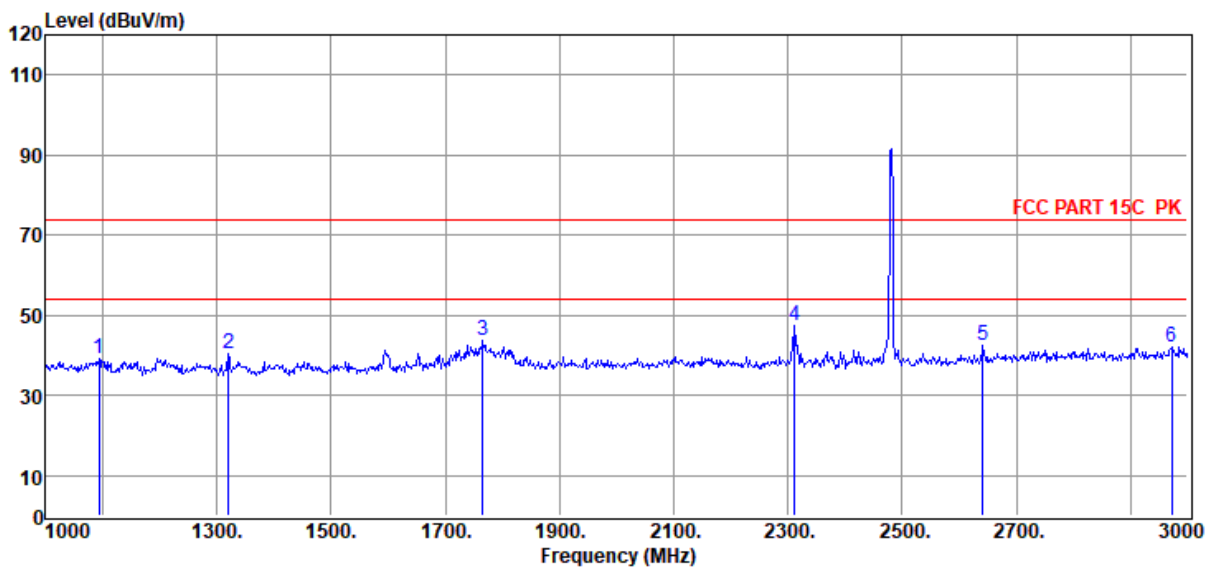
**Test Mode** : Tx Mode

**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

**Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL

**Memo** : BLE 2M 2480

Data: 46



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 1094.00        | 50.24                   | 25.48                       | 38.04                 | 1.15                  | 0.52                     | 39.35                       | 74.00                     | -34.65                | Peak     | VERTICAL     |
| 2              | 1320.00        | 51.67                   | 25.44                       | 38.38                 | 1.28                  | 0.56                     | 40.57                       | 74.00                     | -33.43                | Peak     | VERTICAL     |
| 3              | 1766.00        | 54.36                   | 26.09                       | 39.05                 | 1.50                  | 0.64                     | 43.54                       | 74.00                     | -30.46                | Peak     | VERTICAL     |
| 4              | 2312.00        | 57.13                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 47.23                       | 74.00                     | -26.77                | Peak     | VERTICAL     |
| 5              | 2642.00        | 51.61                   | 28.14                       | 39.72                 | 1.78                  | 0.75                     | 42.56                       | 74.00                     | -31.44                | Peak     | VERTICAL     |
| 6              | 2972.00        | 49.98                   | 29.39                       | 39.89                 | 1.86                  | 0.79                     | 42.13                       | 74.00                     | -31.87                | Peak     | VERTICAL     |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

**Test Date** : 2022-09-23

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

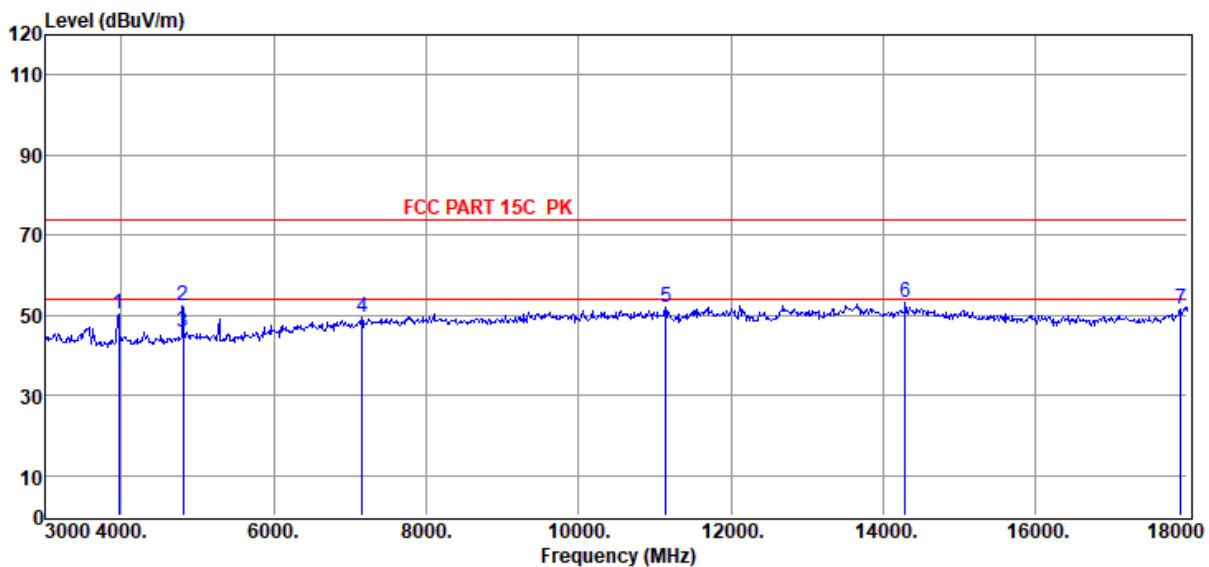
**Test Mode** : Tx Mode

**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

**Antenna/Distance** : 2021 BBHA 9120D  
3#/3m/HORIZONTAL

**Memo** : BLE 2M 2402

Data: 47



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBuV/m) | Limit<br>Line<br>(dBuV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 3960.00        | 55.53                   | 30.96                       | 40.19                 | 2.08                  | 2.09                     | 50.47                       | 74.00                     | -23.53                | Peak     | HORIZONTAL   |
| 2              | 4804.00        | 55.69                   | 32.47                       | 40.36                 | 2.47                  | 2.16                     | 52.43                       | 74.00                     | -21.57                | Peak     | HORIZONTAL   |
| 3              | 4804.00        | 49.07                   | 32.47                       | 40.36                 | 2.47                  | 2.16                     | 45.81                       | 54.00                     | -8.19                 | Average  | HORIZONTAL   |
| 4              | 7155.00        | 47.82                   | 36.12                       | 39.72                 | 3.06                  | 2.26                     | 49.54                       | 74.00                     | -24.46                | Peak     | HORIZONTAL   |
| 5              | 11145.00       | 46.62                   | 39.21                       | 40.19                 | 3.85                  | 2.38                     | 51.87                       | 74.00                     | -22.13                | Peak     | HORIZONTAL   |
| 6              | 14295.00       | 45.65                   | 39.90                       | 39.67                 | 4.42                  | 2.82                     | 53.12                       | 74.00                     | -20.88                | Peak     | HORIZONTAL   |
| 7              | 17910.00       | 41.68                   | 41.94                       | 40.65                 | 4.93                  | 3.76                     | 51.66                       | 74.00                     | -22.34                | Peak     | HORIZONTAL   |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

**Test Date** : 2022-09-23

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

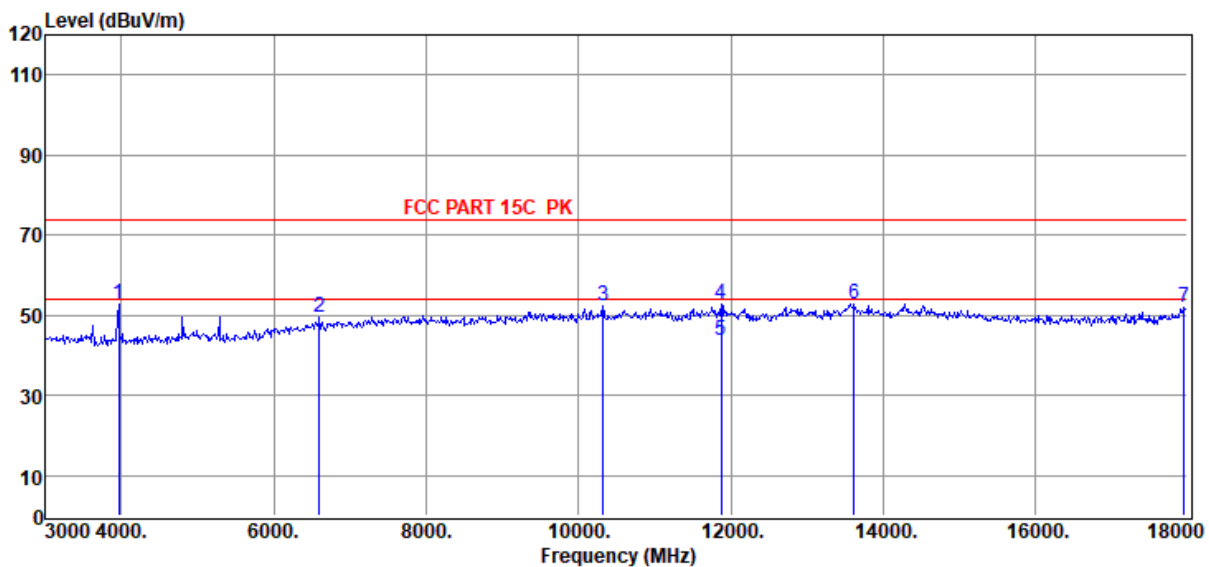
**Test Mode** : Tx Mode

**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

**Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL

**Memo** : BLE 2M 2402

Data: 48



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBuV/m) | Limit<br>Line<br>(dBuV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 3960.00        | 57.70                   | 30.96                       | 40.19                 | 2.08                  | 2.09                     | 52.64                       | 74.00                     | -21.36                | Peak     | VERTICAL     |
| 2              | 6600.00        | 48.50                   | 35.36                       | 40.02                 | 3.22                  | 2.48                     | 49.54                       | 74.00                     | -24.46                | Peak     | VERTICAL     |
| 3              | 10320.00       | 47.78                   | 38.78                       | 40.47                 | 3.67                  | 2.45                     | 52.21                       | 74.00                     | -21.79                | Peak     | VERTICAL     |
| 4              | 11880.00       | 47.50                   | 39.15                       | 40.11                 | 4.03                  | 2.40                     | 52.97                       | 74.00                     | -21.03                | Peak     | VERTICAL     |
| 5              | 11880.00       | 38.35                   | 39.15                       | 40.11                 | 4.03                  | 2.40                     | 43.82                       | 54.00                     | -10.18                | Average  | VERTICAL     |
| 6              | 13620.00       | 45.60                   | 39.98                       | 39.97                 | 4.12                  | 2.92                     | 52.65                       | 74.00                     | -21.35                | Peak     | VERTICAL     |
| 7              | 17955.00       | 41.88                   | 42.22                       | 40.67                 | 4.95                  | 3.78                     | 52.16                       | 74.00                     | -21.84                | Peak     | VERTICAL     |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

**Test Date** : 2022-09-23

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

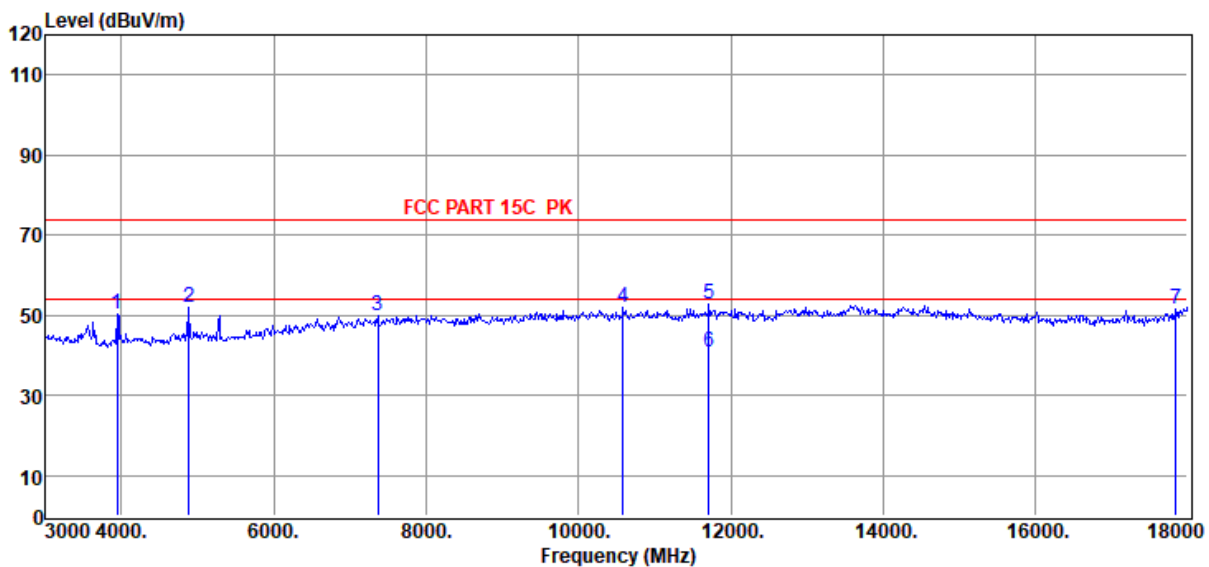
**Test Mode** : Tx Mode

**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

**Antenna/Distance** : 2021 BBHA 9120D  
3#/3m/HORIZONTAL

**Memo** : BLE 2M 2440

Data: 49



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBuV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBuV/m) | Limit<br>Line<br>(dBuV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 3945.00        | 55.29                   | 30.91                       | 40.18                 | 2.06                  | 2.10                     | 50.18                       | 74.00                     | -23.82                | Peak     | HORIZONTAL   |
| 2              | 4880.00        | 54.97                   | 32.72                       | 40.38                 | 2.50                  | 2.17                     | 51.98                       | 74.00                     | -22.02                | Peak     | HORIZONTAL   |
| 3              | 7365.00        | 47.77                   | 36.29                       | 39.74                 | 3.11                  | 2.27                     | 49.70                       | 74.00                     | -24.30                | Peak     | HORIZONTAL   |
| 4              | 10590.00       | 47.01                   | 39.05                       | 40.36                 | 3.69                  | 2.42                     | 51.81                       | 74.00                     | -22.19                | Peak     | HORIZONTAL   |
| 5              | 11715.00       | 47.40                   | 39.09                       | 40.13                 | 4.00                  | 2.39                     | 52.75                       | 74.00                     | -21.25                | Peak     | HORIZONTAL   |
| 6              | 11715.00       | 35.42                   | 39.09                       | 40.13                 | 4.00                  | 2.39                     | 40.77                       | 54.00                     | -13.23                | Average  | HORIZONTAL   |
| 7              | 17850.00       | 42.11                   | 41.57                       | 40.61                 | 4.92                  | 3.75                     | 51.74                       | 74.00                     | -22.26                | Peak     | HORIZONTAL   |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

**Test Date** : 2022-09-23

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

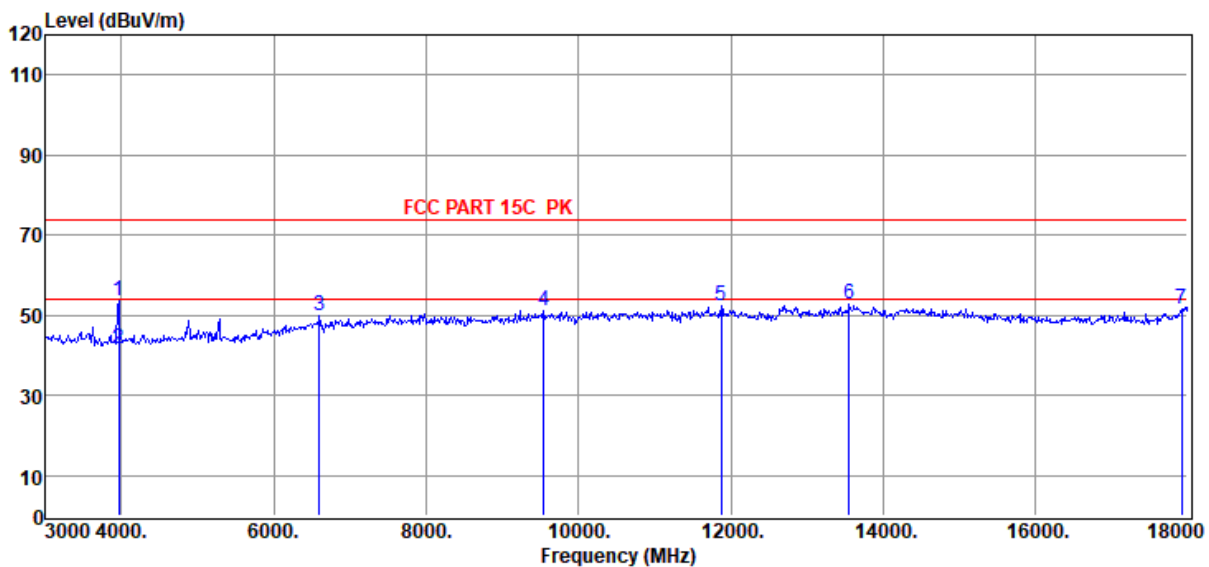
**Test Mode** : Tx Mode

**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

**Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL

**Memo** : BLE 2M 2440

Data: 50



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 3960.00        | 58.81                   | 30.96                       | 40.19                 | 2.08                  | 2.09                     | 53.75                       | 74.00                     | -20.25                | Peak     | VERTICAL     |
| 2              | 3960.00        | 46.62                   | 30.96                       | 40.19                 | 2.08                  | 2.09                     | 41.56                       | 54.00                     | -12.44                | Average  | VERTICAL     |
| 3              | 6600.00        | 48.91                   | 35.36                       | 40.02                 | 3.22                  | 2.48                     | 49.95                       | 74.00                     | -24.05                | Peak     | VERTICAL     |
| 4              | 9540.00        | 46.82                   | 38.68                       | 40.28                 | 3.62                  | 2.34                     | 51.18                       | 74.00                     | -22.82                | Peak     | VERTICAL     |
| 5              | 11880.00       | 46.99                   | 39.15                       | 40.11                 | 4.03                  | 2.40                     | 52.46                       | 74.00                     | -21.54                | Peak     | VERTICAL     |
| 6              | 13560.00       | 45.81                   | 39.99                       | 40.01                 | 4.05                  | 2.93                     | 52.77                       | 74.00                     | -21.23                | Peak     | VERTICAL     |
| 7              | 17925.00       | 41.39                   | 42.03                       | 40.65                 | 4.94                  | 3.77                     | 51.48                       | 74.00                     | -22.52                | Peak     | VERTICAL     |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

Test Date : 2022-09-23

Tested By : James Gan

EUT : StrideGym AI TV

Model Number : ST2-CX-30D-US

Power Supply : AC 120V/60Hz

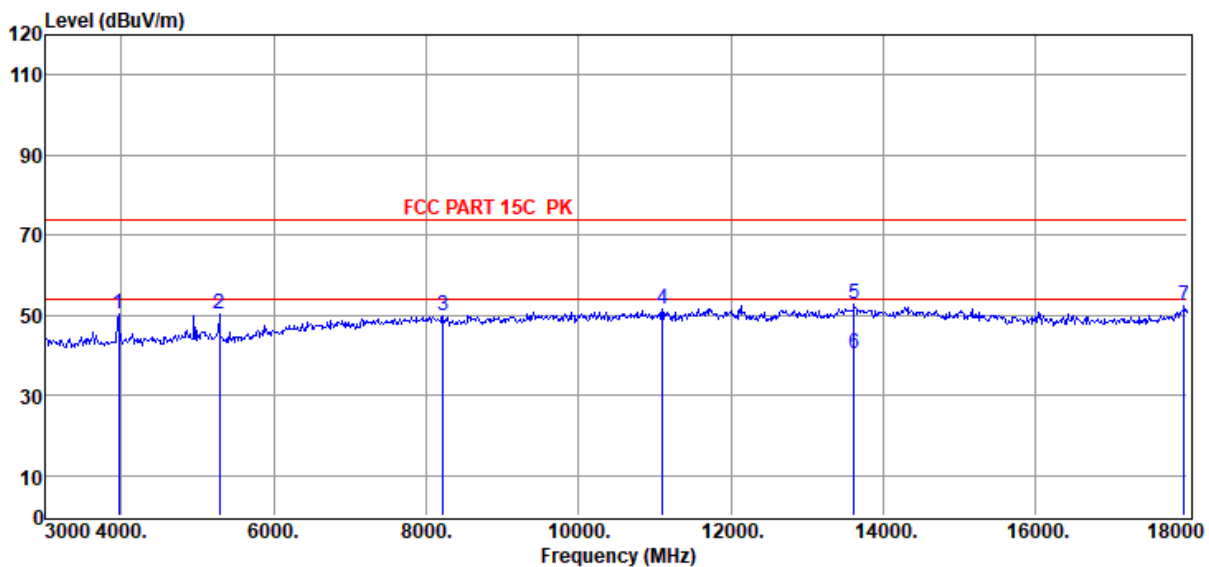
Test Mode : Tx Mode

Condition : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

Antenna/Distance : 2021 BBHA 9120D  
3#/3m/HORIZONTAL

Memo : BLE 2M 2480

Data: 51



| Item<br>(Mark) | Freq.<br>(MHz) | Read Level<br>(dBμV) | Antenna Factor<br>(dB/m) | PRM Factor<br>(dB) | Cable Loss<br>(dB) | Filter Factor<br>(dB) | Result Level<br>(dBμV/m) | Limit Line<br>(dBμV/m) | Over Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|----------------------|--------------------------|--------------------|--------------------|-----------------------|--------------------------|------------------------|--------------------|----------|--------------|
| 1              | 3960.00        | 55.25                | 30.96                    | 40.19              | 2.08               | 2.09                  | 50.19                    | 74.00                  | -23.81             | Peak     | HORIZONTAL   |
| 2              | 5280.00        | 52.86                | 32.93                    | 40.43              | 2.56               | 2.36                  | 50.28                    | 74.00                  | -23.72             | Peak     | HORIZONTAL   |
| 3              | 8220.00        | 46.94                | 37.35                    | 39.82              | 3.20               | 2.26                  | 49.93                    | 74.00                  | -24.07             | Peak     | HORIZONTAL   |
| 4              | 11100.00       | 46.40                | 39.24                    | 40.19              | 3.83               | 2.38                  | 51.66                    | 74.00                  | -22.34             | Peak     | HORIZONTAL   |
| 5              | 13620.00       | 45.62                | 39.98                    | 39.97              | 4.12               | 2.92                  | 52.67                    | 74.00                  | -21.33             | Peak     | HORIZONTAL   |
| 6              | 13620.00       | 33.26                | 39.98                    | 39.97              | 4.12               | 2.92                  | 40.31                    | 54.00                  | -13.69             | Average  | HORIZONTAL   |
| 7              | 17955.00       | 41.92                | 42.22                    | 40.67              | 4.95               | 3.78                  | 52.20                    | 74.00                  | -21.80             | Peak     | HORIZONTAL   |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

**Test Date** : 2022-09-23

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

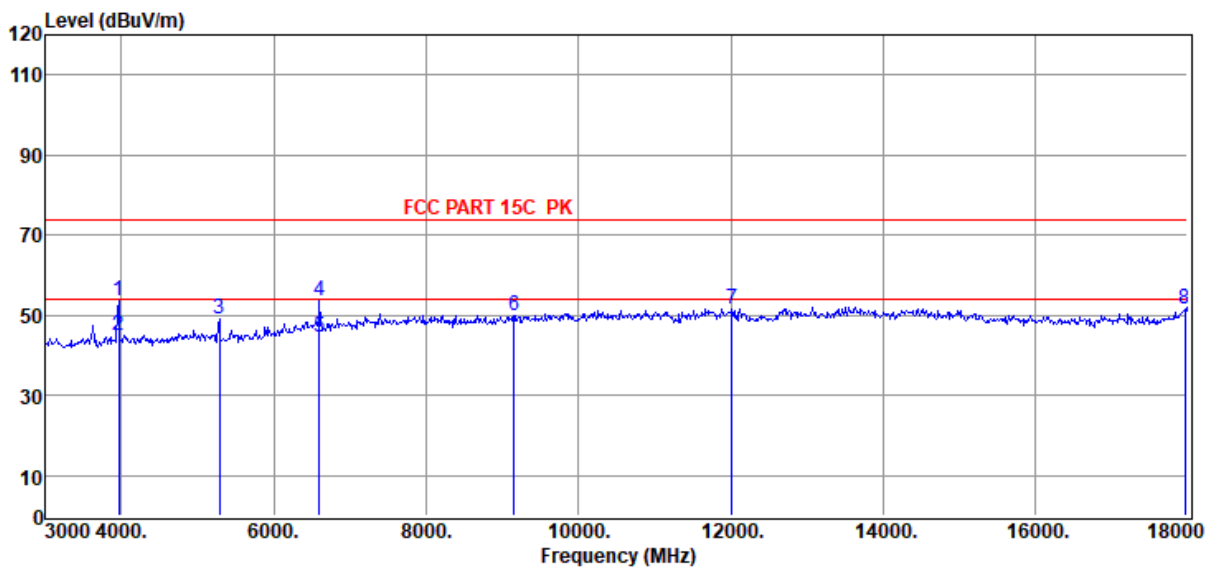
**Test Mode** : Tx Mode

**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

**Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL

**Memo** : BLE 2M 2480

Data: 52



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 3960.00        | 58.79                   | 30.96                       | 40.19                 | 2.08                  | 2.09                     | 53.73                       | 74.00                     | -20.27                | Peak     | VERTICAL     |
| 2              | 3960.00        | 49.92                   | 30.96                       | 40.19                 | 2.08                  | 2.09                     | 44.86                       | 54.00                     | -9.14                 | Average  | VERTICAL     |
| 3              | 5280.00        | 51.82                   | 32.93                       | 40.43                 | 2.56                  | 2.36                     | 49.24                       | 74.00                     | -24.76                | Peak     | VERTICAL     |
| 4              | 6600.00        | 52.42                   | 35.36                       | 40.02                 | 3.22                  | 2.48                     | 53.46                       | 74.00                     | -20.54                | Peak     | VERTICAL     |
| 5              | 6600.00        | 43.45                   | 35.36                       | 40.02                 | 3.22                  | 2.48                     | 44.49                       | 54.00                     | -9.51                 | Average  | VERTICAL     |
| 6              | 9150.00        | 45.98                   | 38.42                       | 40.01                 | 3.42                  | 2.23                     | 50.04                       | 74.00                     | -23.96                | Peak     | VERTICAL     |
| 7              | 12015.00       | 46.09                   | 39.19                       | 40.10                 | 4.04                  | 2.41                     | 51.63                       | 74.00                     | -22.37                | Peak     | VERTICAL     |
| 8              | 17970.00       | 41.24                   | 42.31                       | 40.68                 | 4.95                  | 3.78                     | 51.60                       | 74.00                     | -22.40                | Peak     | VERTICAL     |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## 9. RF Conducted Spurious Emissions

### 9.1. Block diagram of test setup

Same as section 4.1

### 9.2. Limits

In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

### 9.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Establish a reference level by using the following procedure:

|                  |                                                               |
|------------------|---------------------------------------------------------------|
| Center frequency | Test frequency                                                |
| RBW:             | 100 kHz                                                       |
| VBW:             | 300 kHz                                                       |
| Span             | Wide enough to capture the peak level of the in-band emission |
| Detector Mode:   | Peak                                                          |
| Sweep time:      | auto                                                          |
| Trace mode       | Max hold                                                      |

(3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.

(4) Set the spectrum analyzer as follows:

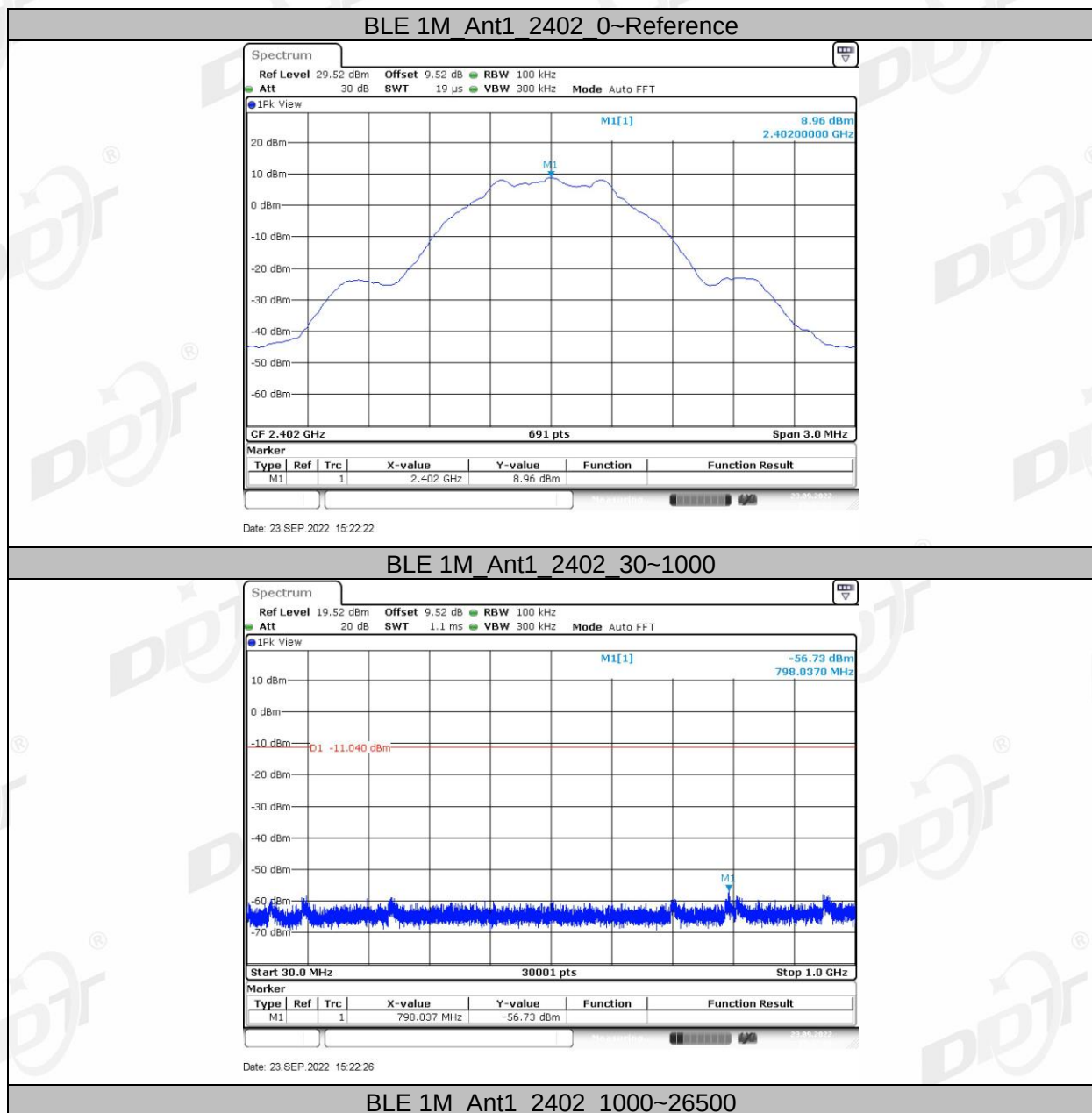
|                              |                                          |
|------------------------------|------------------------------------------|
| RBW:                         | 100 kHz                                  |
| VBW:                         | 300 kHz                                  |
| Span                         | Encompass frequency range to be measured |
| Number of measurement points | $\geq \text{span}/\text{RBW}$            |
| Detector Mode:               | Peak                                     |
| Sweep time:                  | auto                                     |
| Trace mode                   | Max hold                                 |

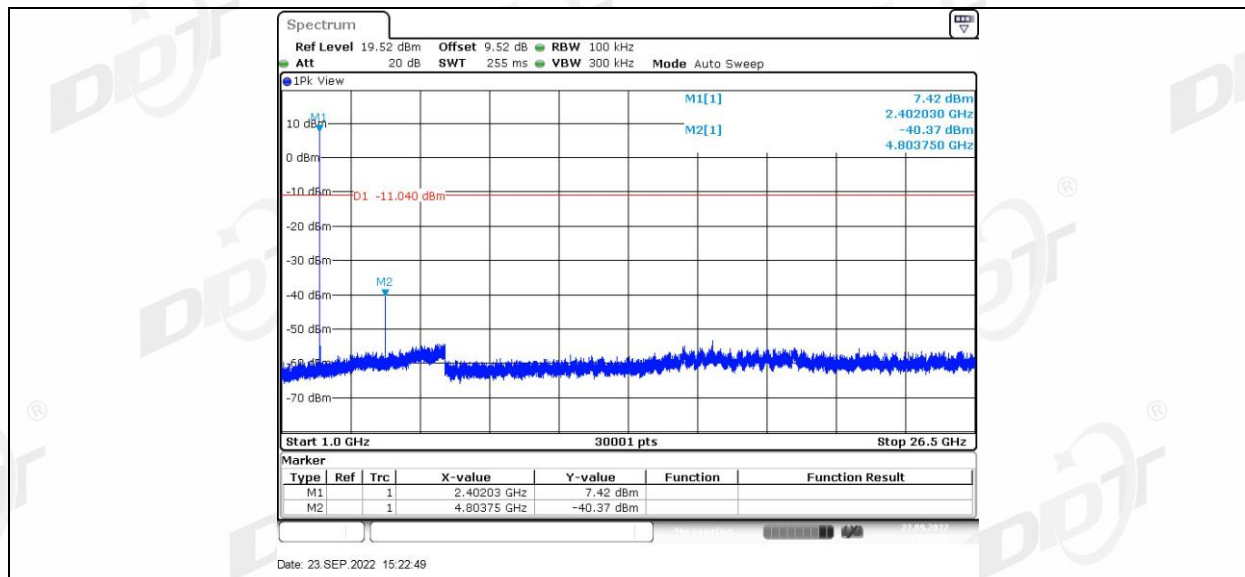
(5) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude of all unwanted emissions outside of the authorized frequency band

#### 9.4. Test result

| Mode    | Freq. (MHz) | Verdict |
|---------|-------------|---------|
| GFSK 1M | 2402        | Pass    |
|         | 2440        | Pass    |
|         | 2480        | Pass    |
| GFSK 2M | 2402        | Pass    |
|         | 2440        | Pass    |
|         | 2480        | Pass    |

#### 9.5. Original test data

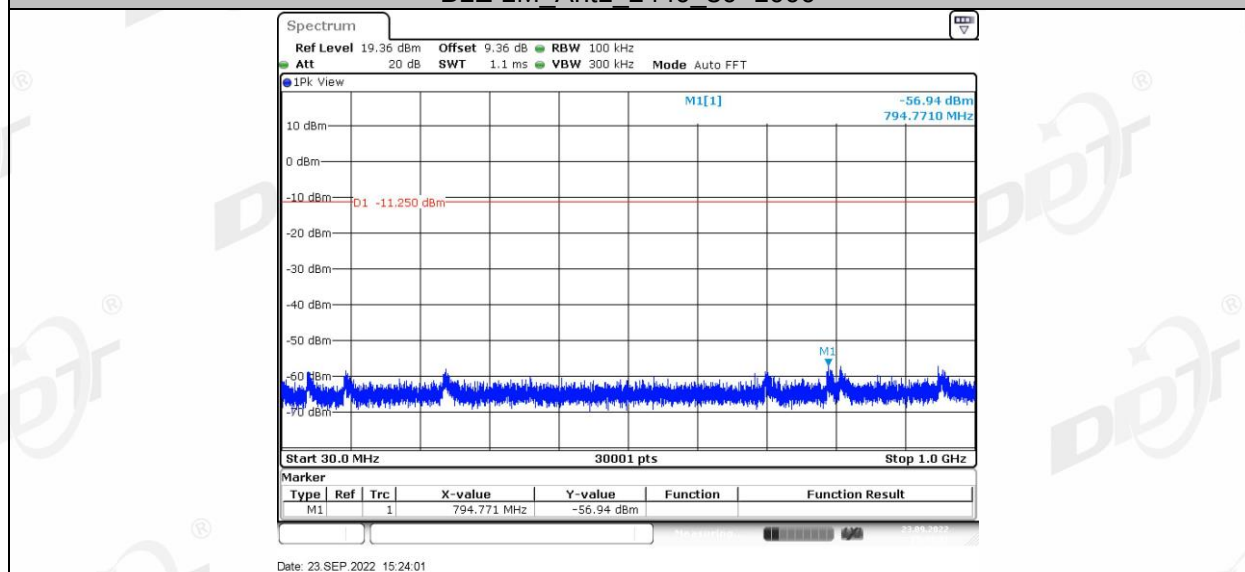




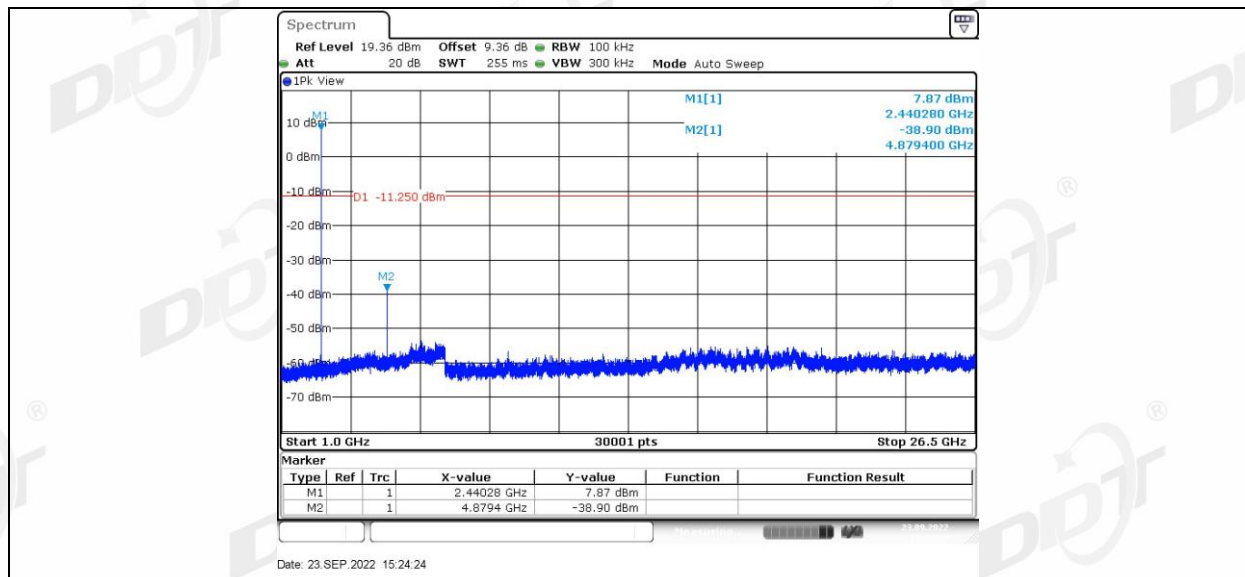
## BLE 1M Ant1\_2440\_0~Reference



## BLE 1M Ant1\_2440\_30~1000



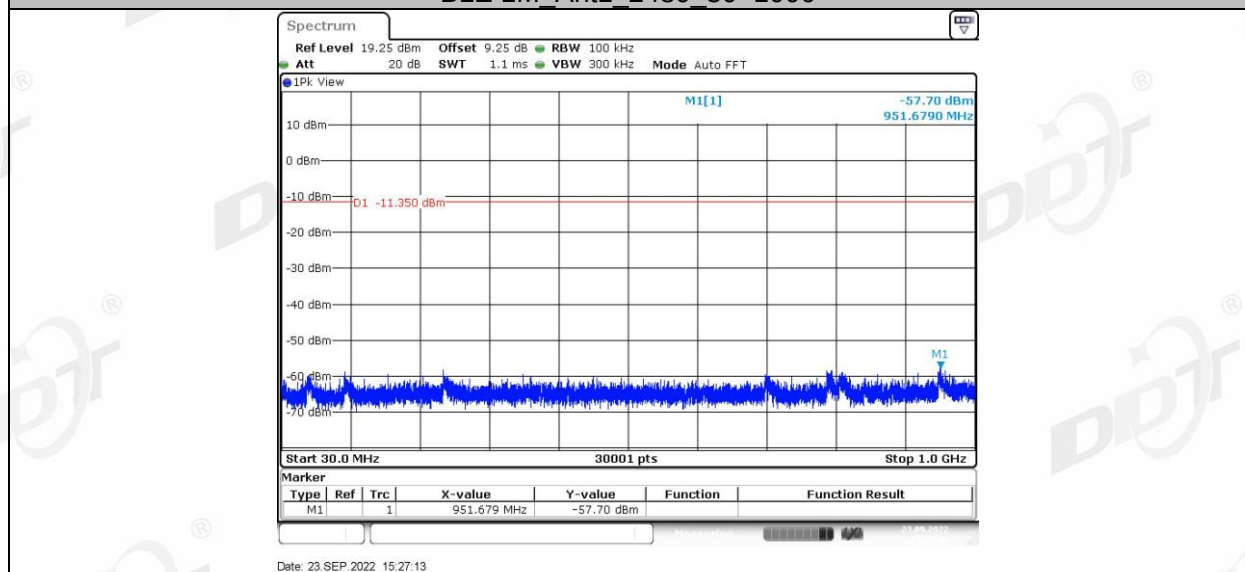
## BLE 1M Ant1\_2440\_1000~26500



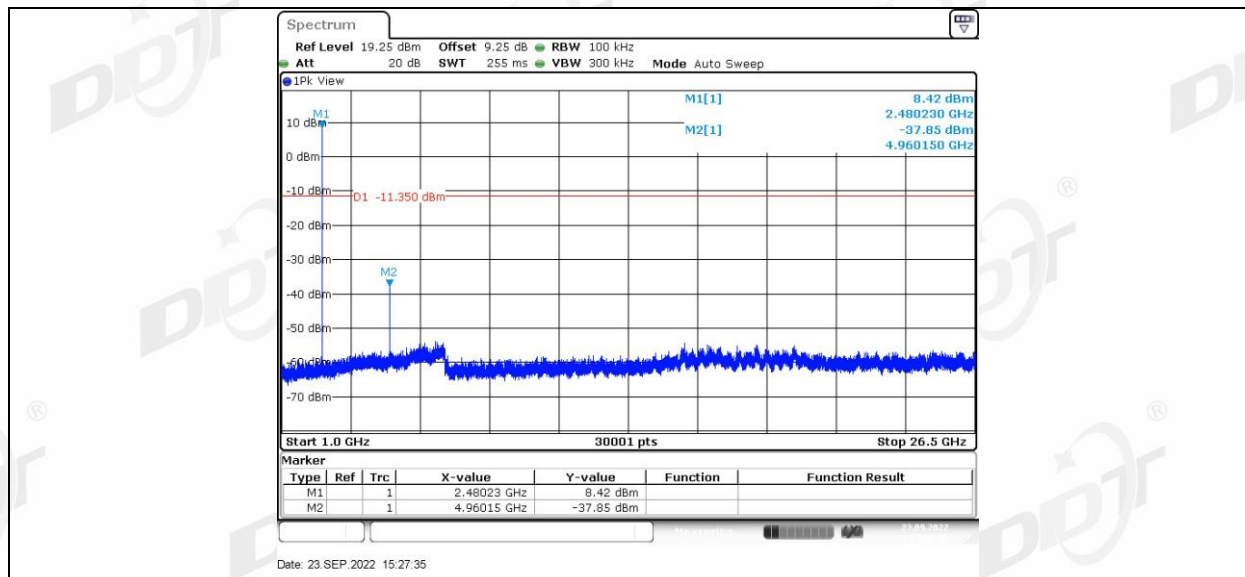
## BLE 1M Ant1\_2480\_0~Reference



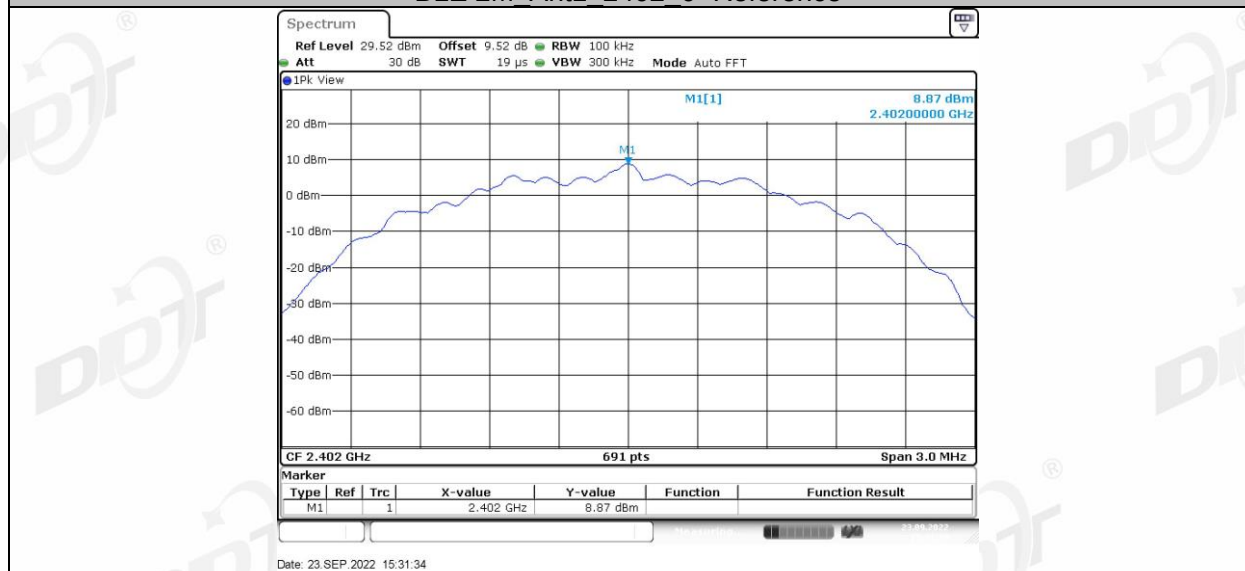
## BLE 1M Ant1\_2480\_30~1000



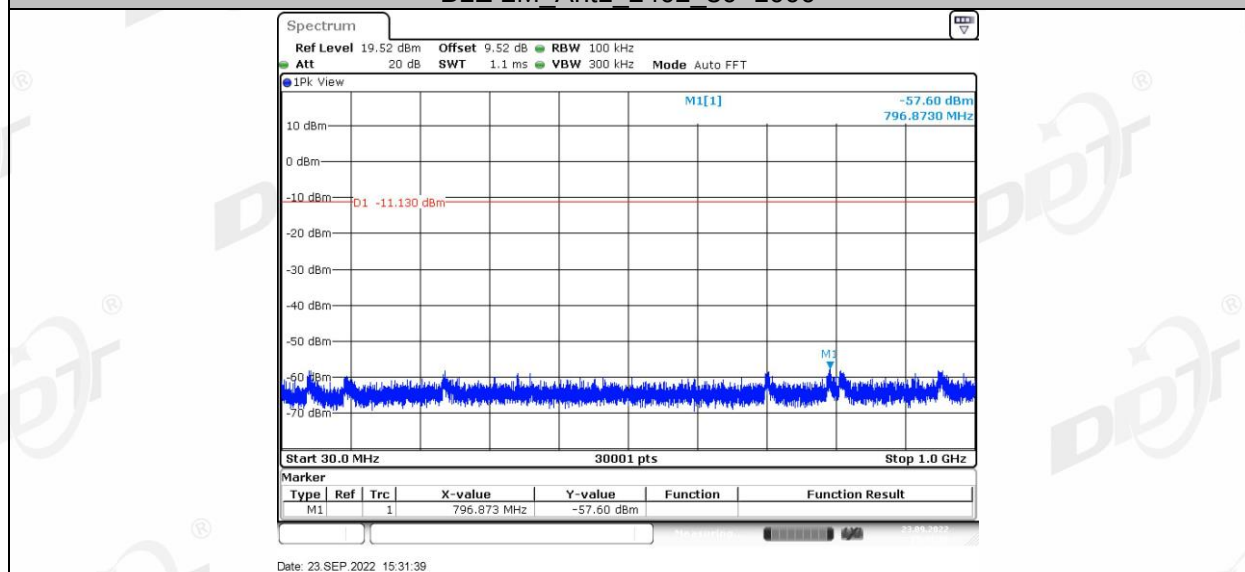
## BLE 1M Ant1\_2480\_1000~26500



## BLE 2M Ant1\_2402\_0~Reference

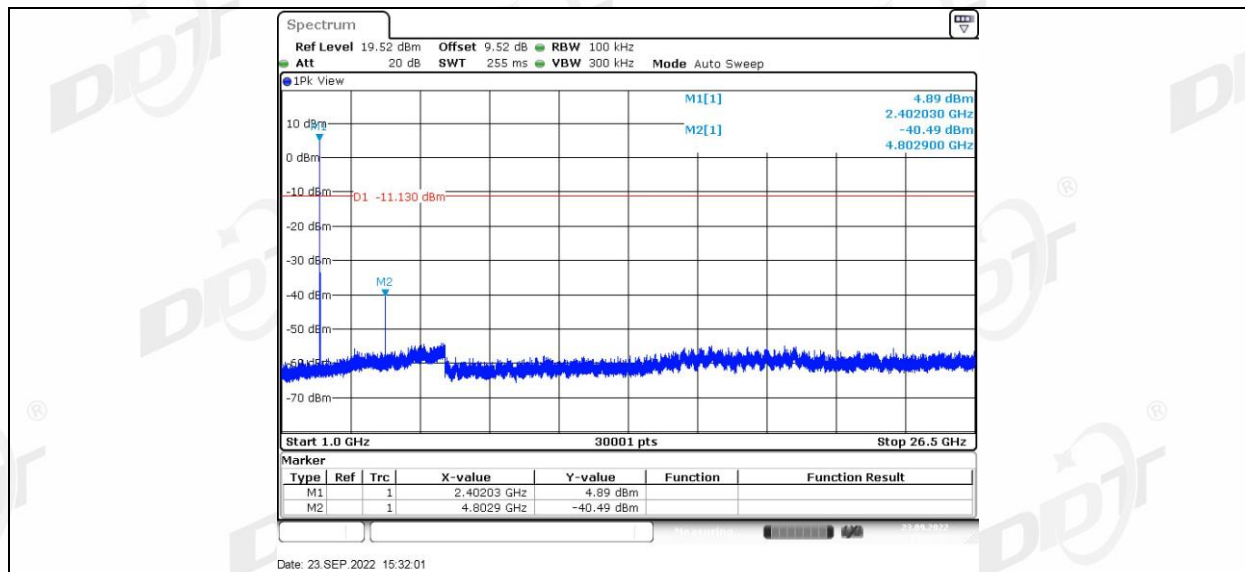


## BLE 2M Ant1\_2402\_30~1000

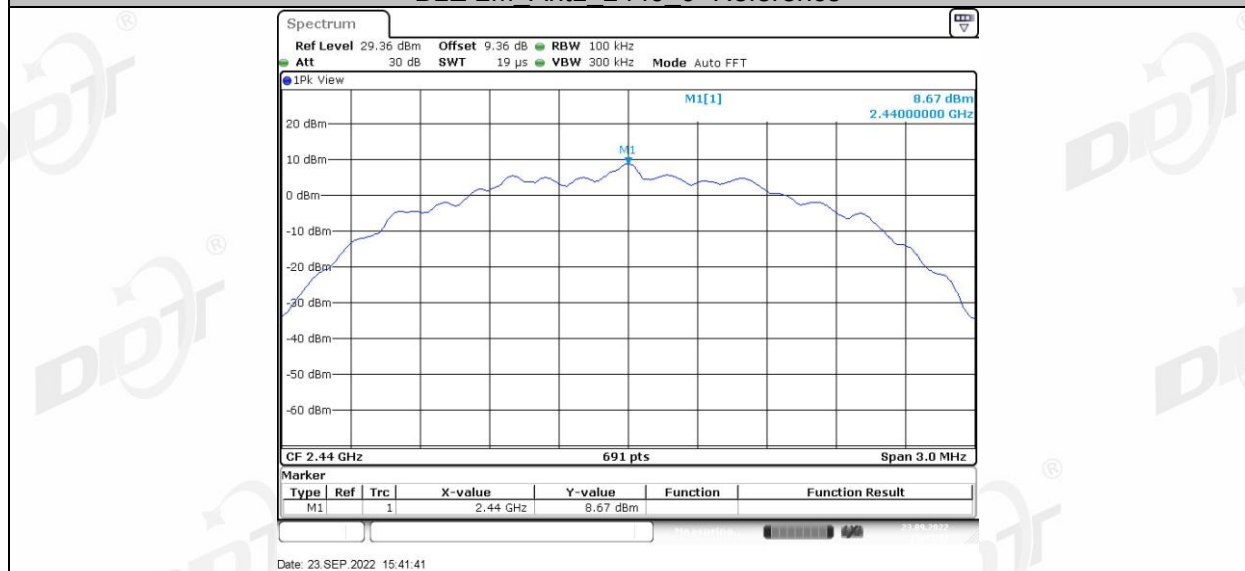


## BLE 2M Ant1\_2402\_1000~26500

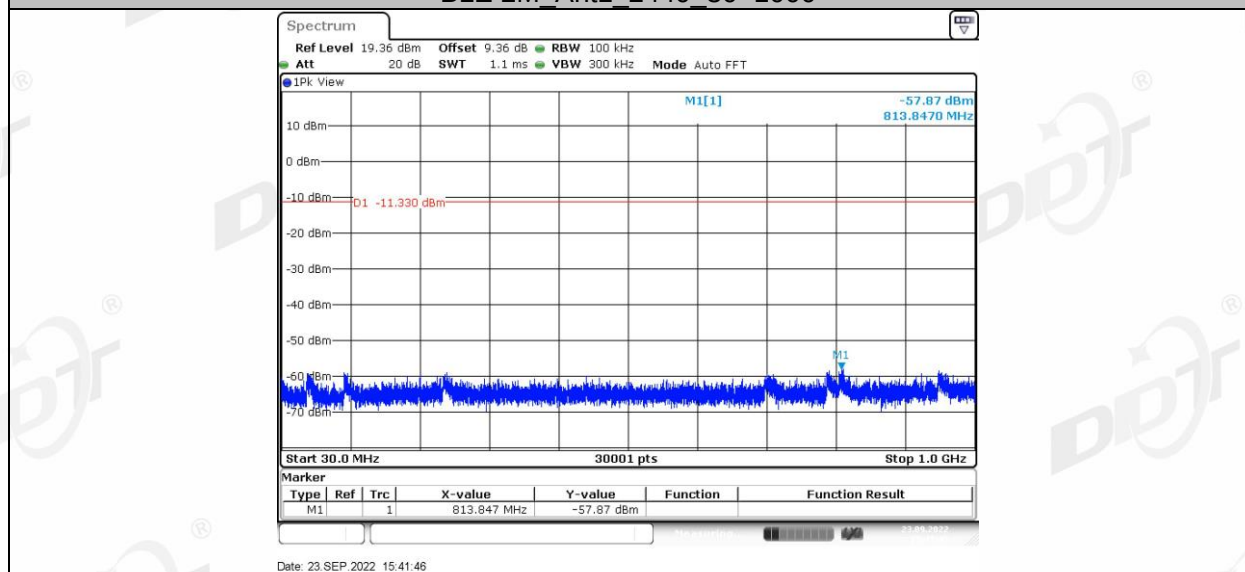




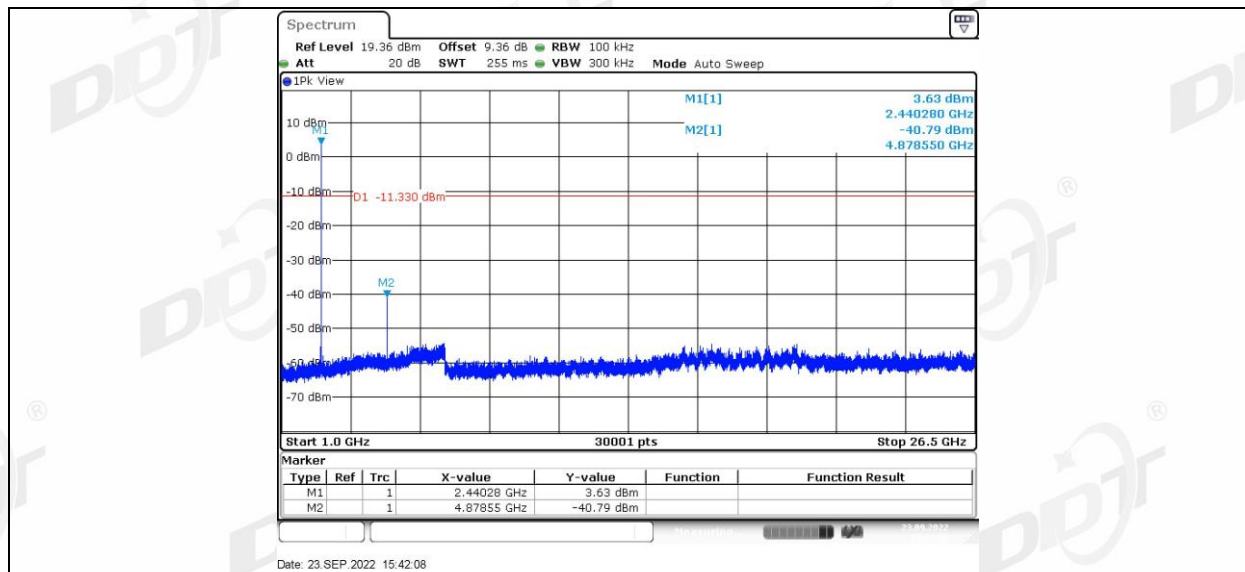
## BLE 2M Ant1\_2440\_0~Reference



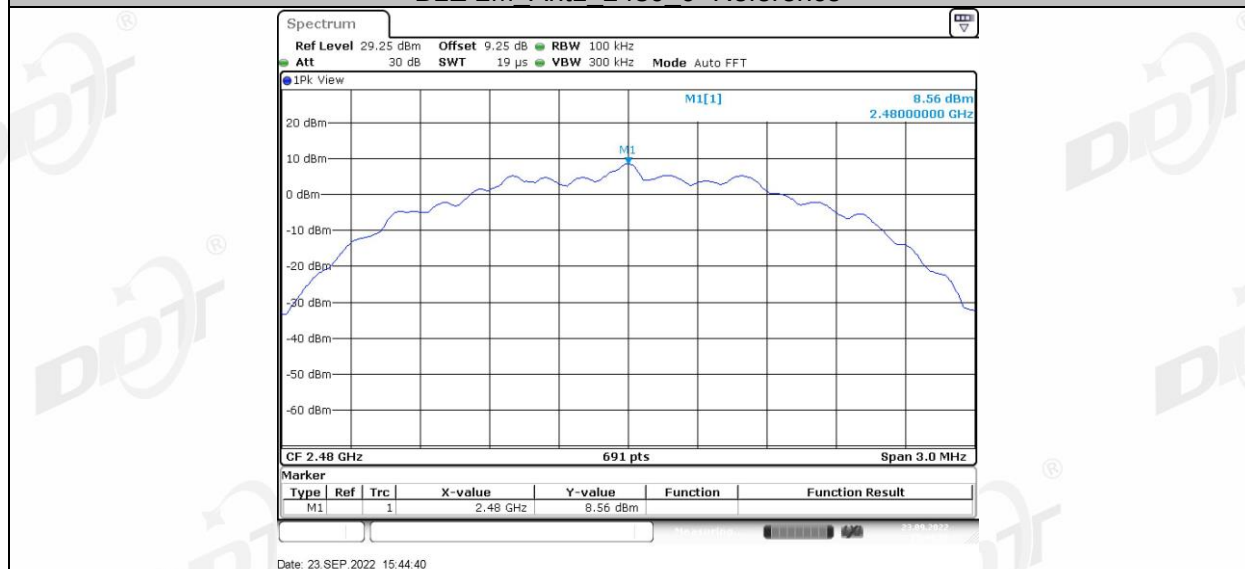
## BLE 2M Ant1\_2440\_30~1000



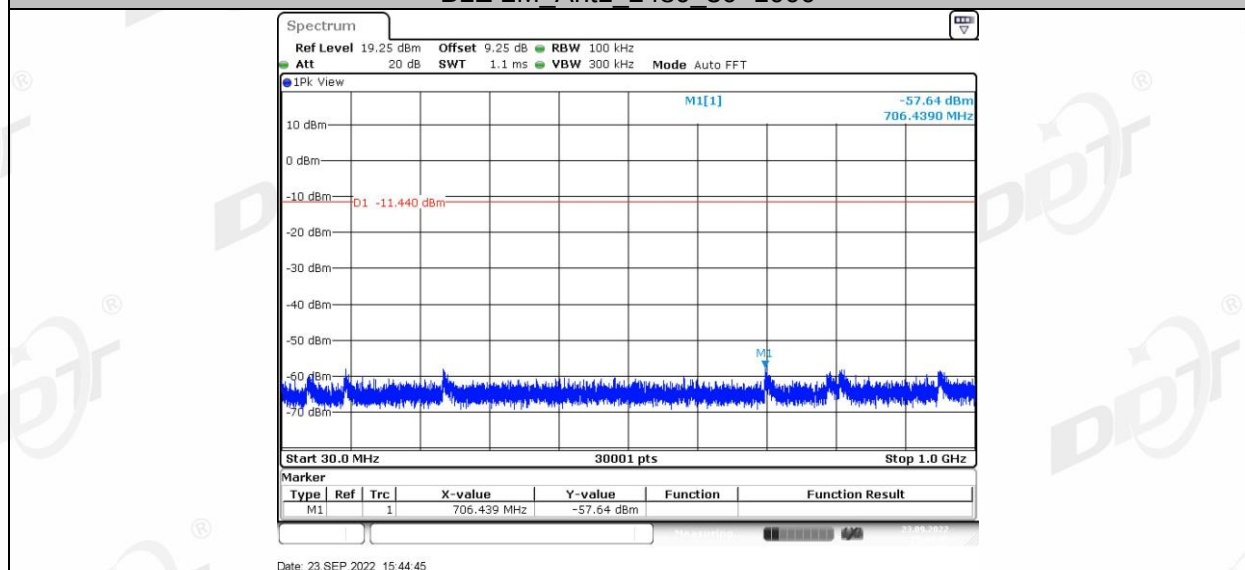
## BLE 2M Ant1\_2440\_1000~26500



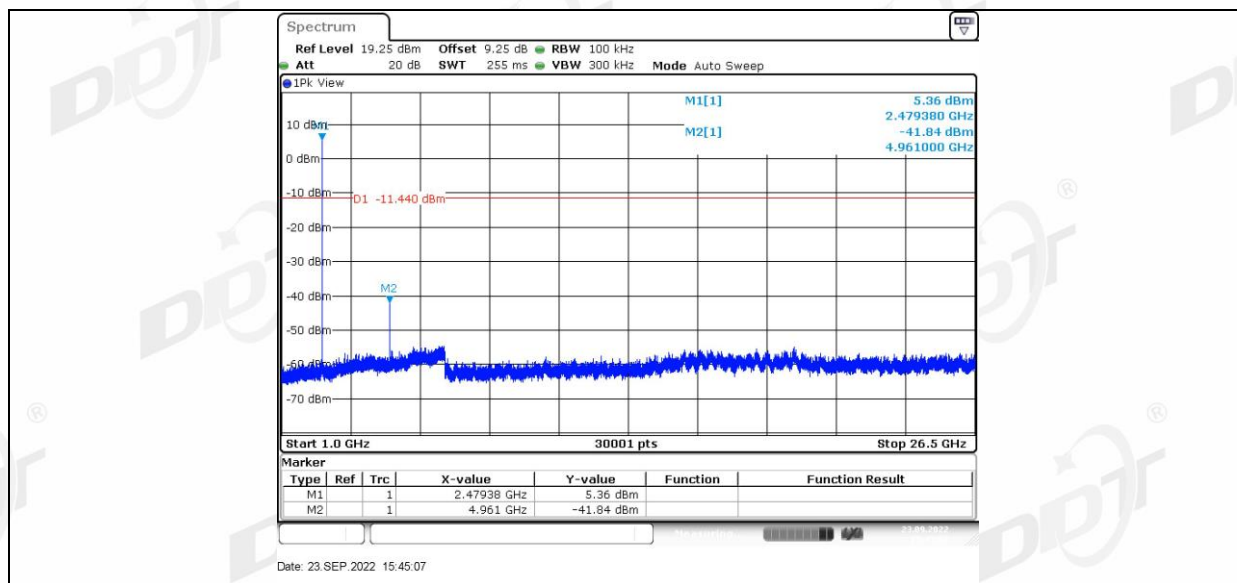
## BLE 2M Ant1\_2480\_0~Reference



## BLE 2M Ant1\_2480\_30~1000

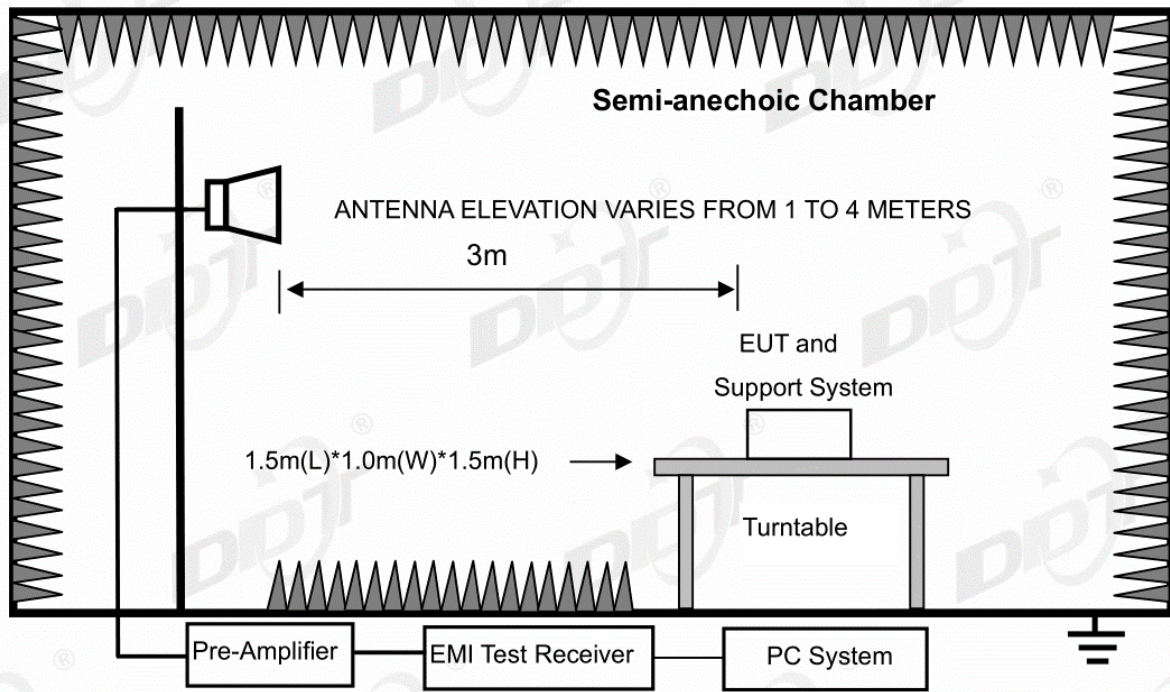


## BLE 2M Ant1\_2480\_1000~26500



## 10. Emissions in Restricted Frequency Bands

### 10.1. Block diagram of test setup



### 10.2. Limit

All restriction band should comply with 15.209 limits, other emission should be at least 20 dB below the fundamental.

### 10.3. Test procedure

Same with clause 8.3 except change investigated frequency range from 2310 MHz to 2410 MHz and 2475 MHz to 2500 MHz.

Remark: All restriction band have been tested, and only the worst case is shown in report.

### 10.4. Test result

Pass. (See below detailed test result)

Note: Scan with all mode, the worst case is recorded in this report.



## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

**Test Date** : 2022-09-16

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

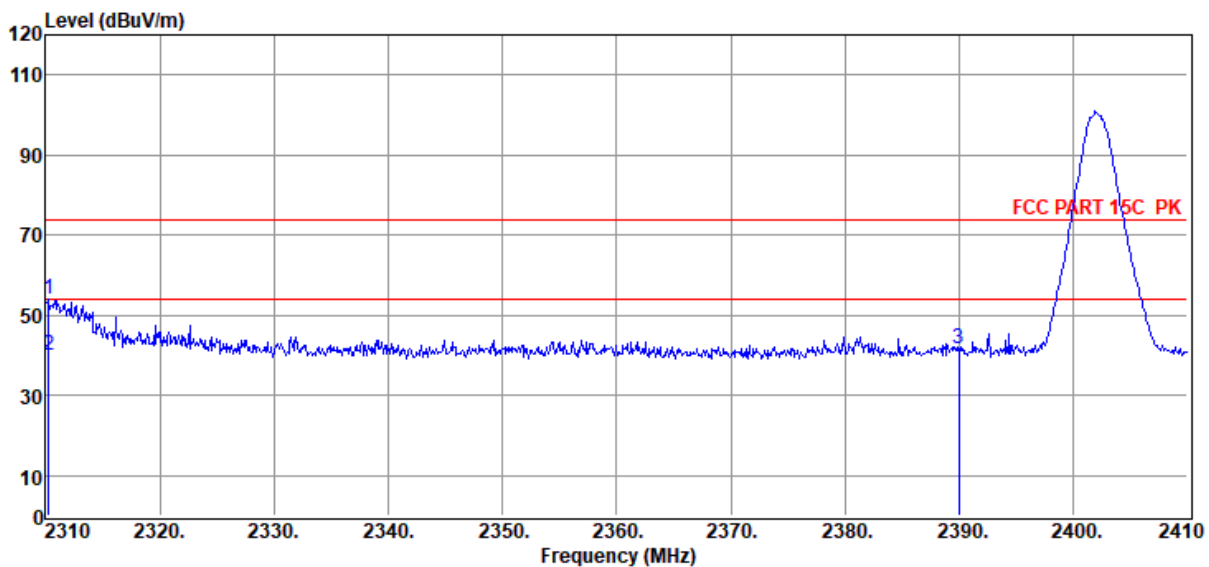
**Test Mode** : Tx Mode

**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

**Antenna/Distance** : 2021 BBHA 9120D  
3#/3m/HORIZONTAL

**Memo** : BLE 1M 2402

Data: 37



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 2310.30        | 63.72                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 53.82                       | 74.00                     | -20.18                | Peak     | HORIZONTAL   |
| 2              | 2310.30        | 49.89                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 39.99                       | 54.00                     | -14.01                | Average  | HORIZONTAL   |
| 3              | 2390.00        | 51.25                   | 27.40                       | 39.60                 | 1.71                  | 0.72                     | 41.48                       | 74.00                     | -32.52                | Peak     | HORIZONTAL   |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

**Test Date** : 2022-09-16

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

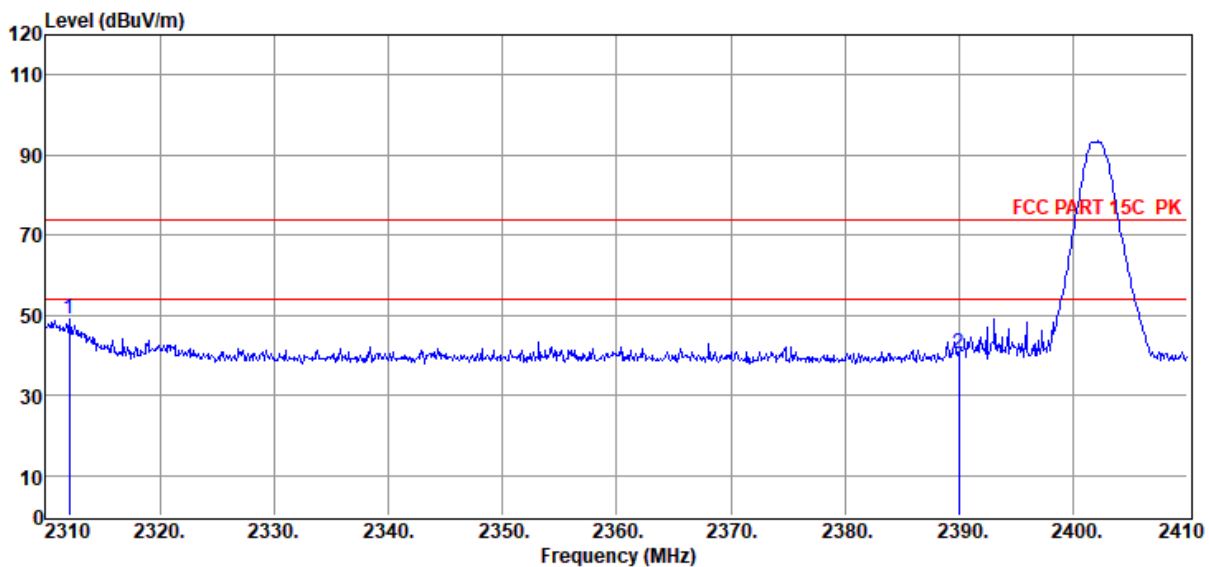
**Test Mode** : Tx Mode

**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

**Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL

**Memo** : BLE 1M 2402

Data: 38



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 2312.10        | 59.15                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 49.25                       | 74.00                     | -24.75                | Peak     | VERTICAL     |
| 2              | 2390.00        | 50.12                   | 27.40                       | 39.60                 | 1.71                  | 0.72                     | 40.35                       | 74.00                     | -33.65                | Peak     | VERTICAL     |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

Test Date : 2022-09-16

Tested By : James Gan

EUT : StrideGym AI TV

Model Number : ST2-CX-30D-US

Power Supply : AC 120V/60Hz

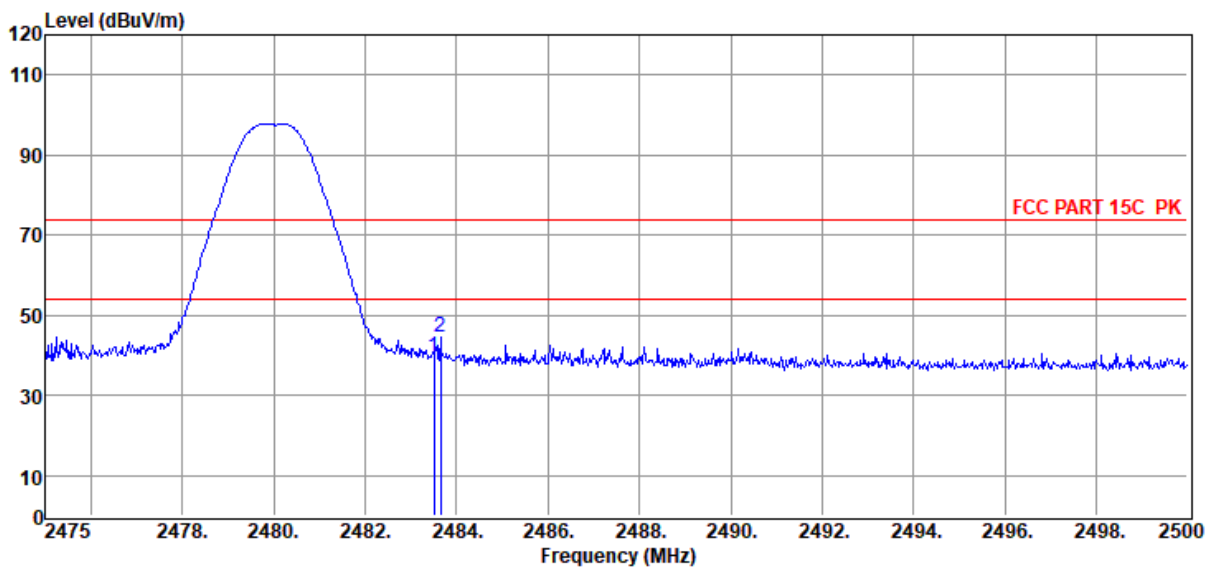
Test Mode : Tx Mode

Condition : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

Antenna/Distance : 2021 BBHA 9120D  
3#/3m/HORIZONTAL

Memo : BLE 1M 2480

Data: 39



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 2483.50        | 49.21                   | 27.57                       | 39.64                 | 1.74                  | 0.73                     | 39.61                       | 74.00                     | -34.39                | Peak     | HORIZONTAL   |
| 2              | 2483.65        | 53.94                   | 27.57                       | 39.64                 | 1.74                  | 0.73                     | 44.34                       | 74.00                     | -29.66                | Peak     | HORIZONTAL   |

Note:

- Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

Test Date : 2022-09-16

Tested By : James Gan

EUT : StrideGym AI TV

Model Number : ST2-CX-30D-US

Power Supply : AC 120V/60Hz

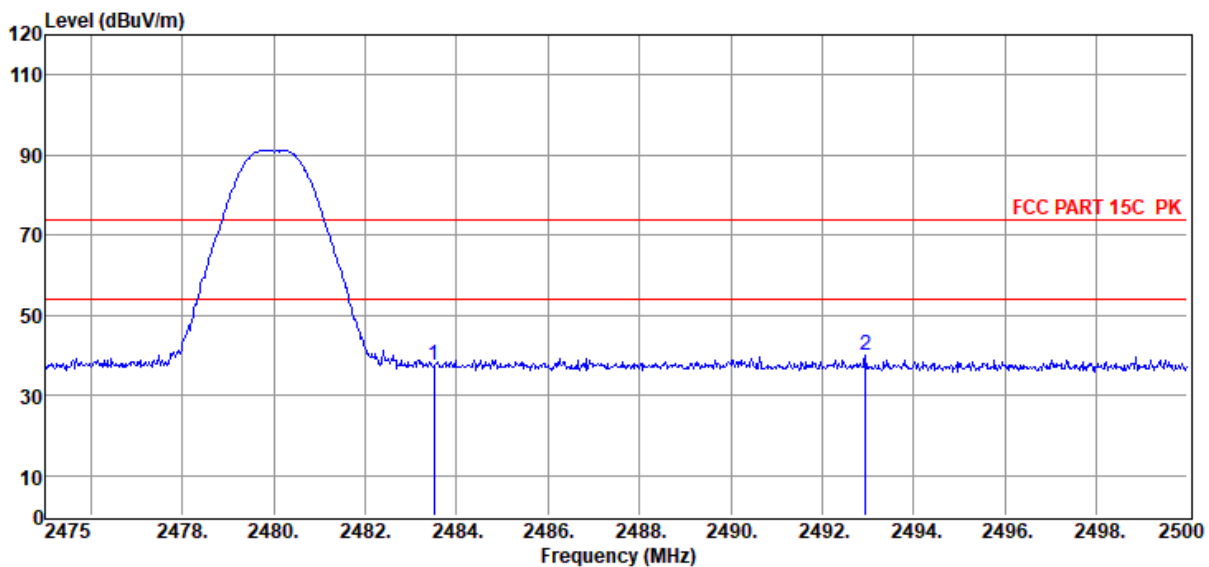
Test Mode : Tx Mode

Condition : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

Antenna/Distance : 2021 BBHA 9120D 3#/3m/VERTICAL

Memo : BLE 1M 2480

Data: 40



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 2483.50        | 47.18                   | 27.57                       | 39.64                 | 1.74                  | 0.73                     | 37.58                       | 74.00                     | -36.42                | Peak     | VERTICAL     |
| 2              | 2492.95        | 49.57                   | 27.59                       | 39.65                 | 1.74                  | 0.73                     | 39.98                       | 74.00                     | -34.02                | Peak     | VERTICAL     |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

**Test Date** : 2022-09-23

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

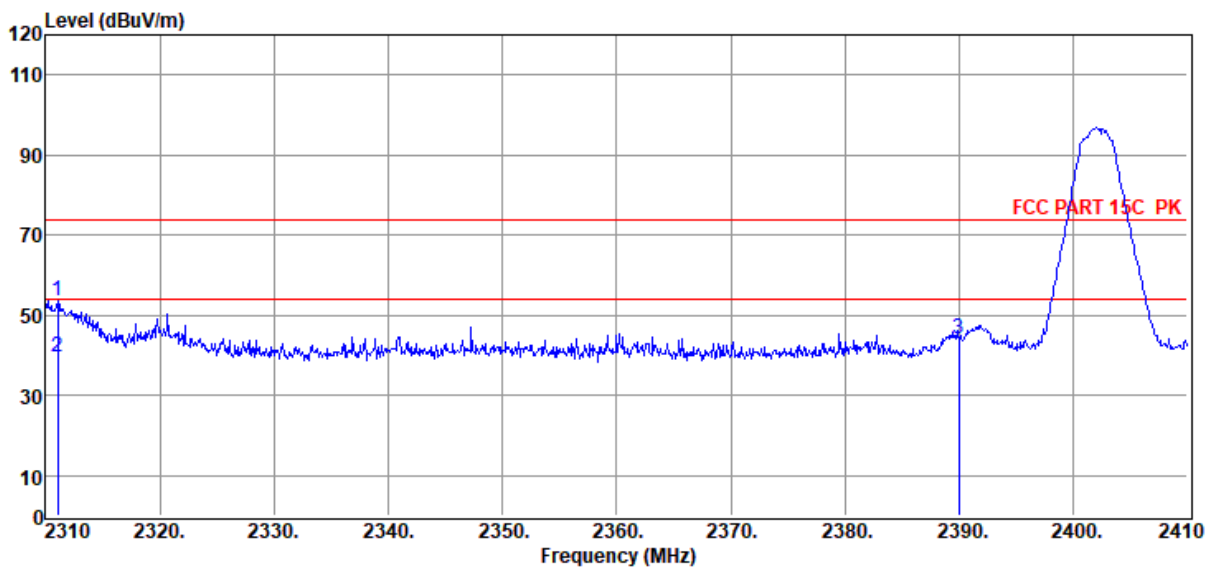
**Test Mode** : Tx Mode

**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

**Antenna/Distance** : 2021 BBHA 9120D  
3#/3m/HORIZONTAL

**Memo** : BLE 2M 2402

Data: 53



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 2311.10        | 63.42                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 53.52                       | 74.00                     | -20.48                | Peak     | HORIZONTAL   |
| 2              | 2311.10        | 49.63                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 39.73                       | 54.00                     | -14.27                | Average  | HORIZONTAL   |
| 3              | 2390.00        | 53.94                   | 27.40                       | 39.60                 | 1.71                  | 0.72                     | 44.17                       | 74.00                     | -29.83                | Peak     | HORIZONTAL   |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

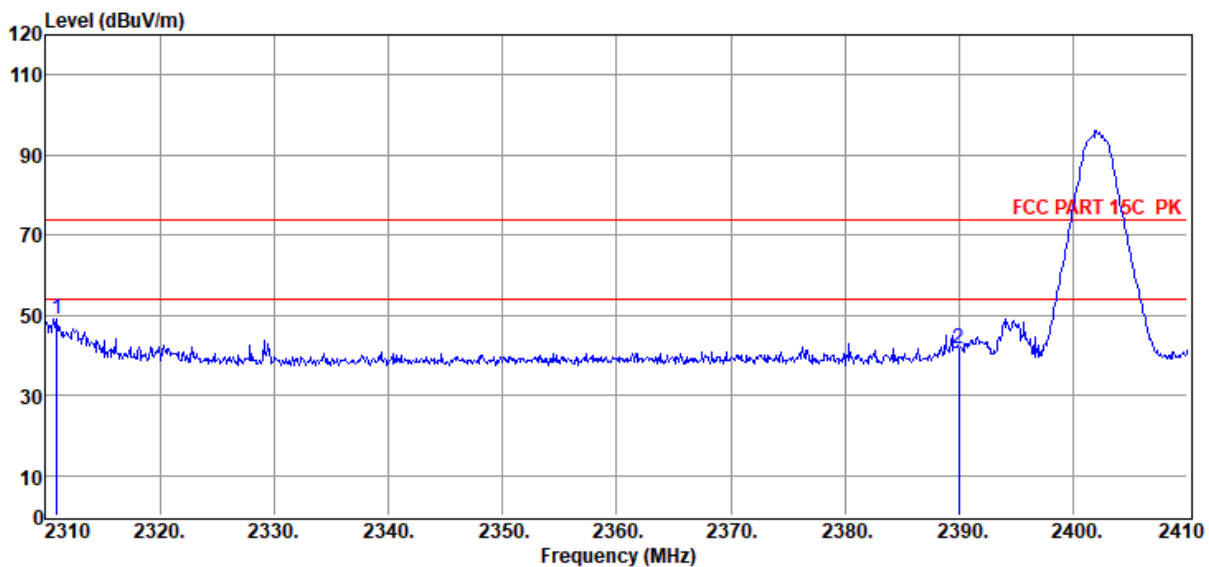
## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#  
**Test Date** : 2022-09-23  
**EUT** : StrideGym AI TV  
**Power Supply** : AC 120V/60Hz  
**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa  
**Memo** : BLE 2M 2402

**Tested By** : James Gan  
**Model Number** : ST2-CX-30D-US  
**Test Mode** : Tx Mode  
**Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL

D:\E3 6.111\2022 Report Data\Q22081816-2E  
 ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

Data: 54



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 2311.00        | 58.95                   | 27.26                       | 39.56                 | 1.69                  | 0.71                     | 49.05                       | 74.00                     | -24.95                | Peak     | VERTICAL     |
| 2              | 2390.00        | 51.42                   | 27.40                       | 39.60                 | 1.71                  | 0.72                     | 41.65                       | 74.00                     | -32.35                | Peak     | VERTICAL     |

Note:

- Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
- If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
- Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.



## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

**Test Date** : 2022-09-23

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

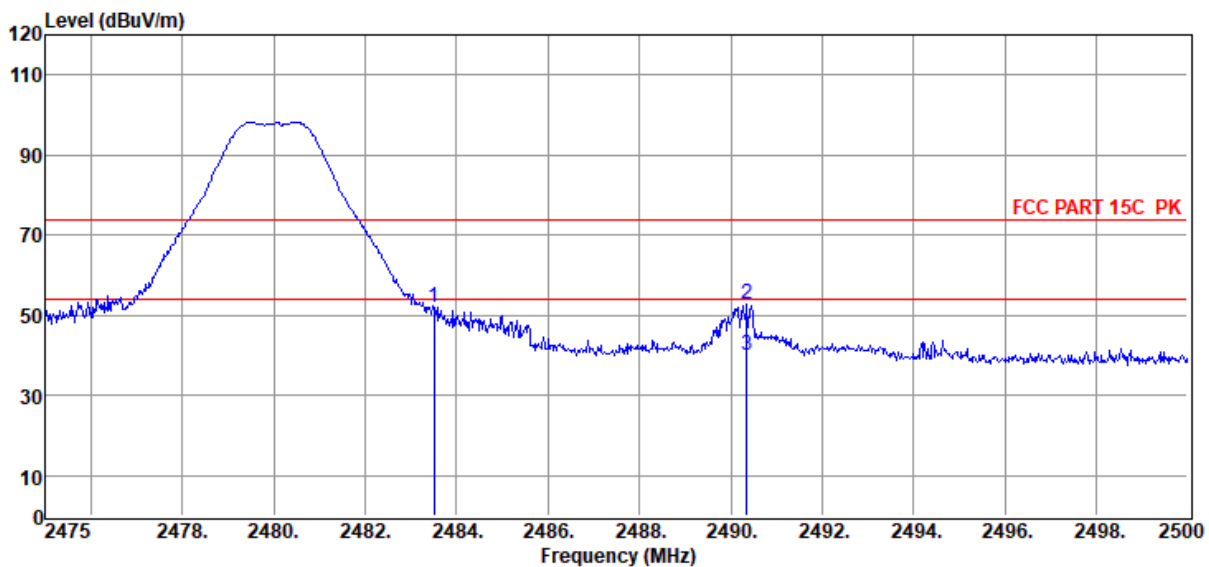
**Test Mode** : Tx Mode

**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

**Antenna/Distance** : 2021 BBHA 9120D  
3#/3m/HORIZONTAL

**Memo** : BLE 2M 2480

Data: 55



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 2483.50        | 61.50                   | 27.57                       | 39.64                 | 1.74                  | 0.73                     | 51.90                       | 74.00                     | -22.10                | Peak     | HORIZONTAL   |
| 2              | 2490.35        | 62.43                   | 27.58                       | 39.65                 | 1.74                  | 0.73                     | 52.83                       | 74.00                     | -21.17                | Peak     | HORIZONTAL   |
| 3              | 2490.35        | 49.56                   | 27.58                       | 39.65                 | 1.74                  | 0.73                     | 39.96                       | 54.00                     | -14.04                | Average  | HORIZONTAL   |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.

2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## TR-4-E-009 Radiated Emission Test Result

**Test Site** : DDT 3m Chamber 3#

D:\E3 6.111\2022 Report Data\Q22081816-2E  
ST2-CX-30D-US\FCC ABOVE 1G BT&BLE.EM6

**Test Date** : 2022-09-23

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

**Power Supply** : AC 120V/60Hz

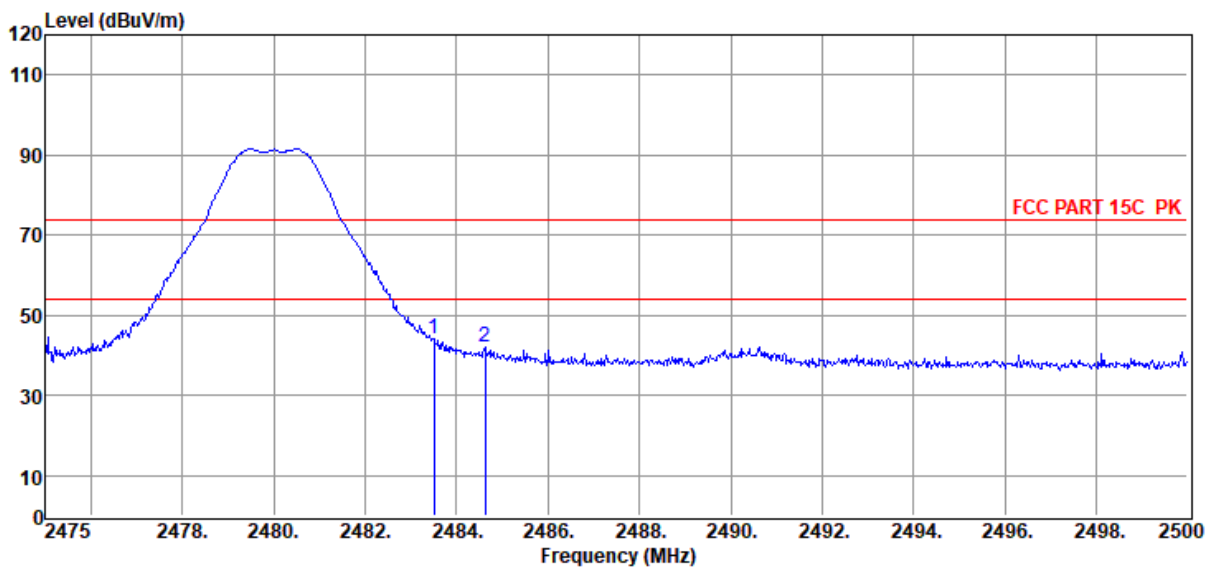
**Test Mode** : Tx Mode

**Condition** : Temp:23.4°C,Humi:51.8%,Press:100.3kPa

**Antenna/Distance** : 2021 BBHA 9120D 3#/3m/VERTICAL

**Memo** : BLE 2M 2480

Data: 56



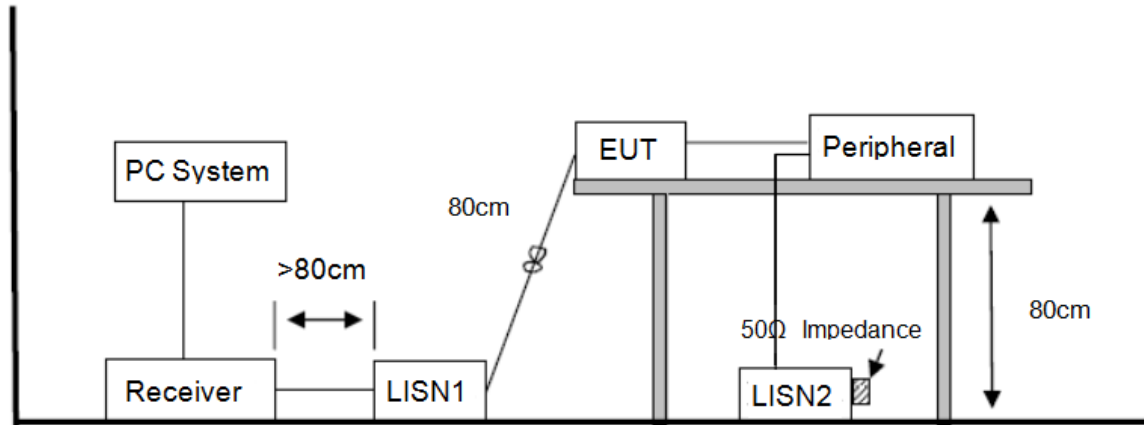
| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | Antenna<br>Factor<br>(dB/m) | PRM<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV/m) | Limit<br>Line<br>(dBμV/m) | Over<br>Limit<br>(dB) | Detector | Polarization |
|----------------|----------------|-------------------------|-----------------------------|-----------------------|-----------------------|--------------------------|-----------------------------|---------------------------|-----------------------|----------|--------------|
| 1              | 2483.50        | 53.86                   | 27.57                       | 39.64                 | 1.74                  | 0.73                     | 44.26                       | 74.00                     | -29.74                | Peak     | VERTICAL     |
| 2              | 2484.63        | 51.79                   | 27.57                       | 39.64                 | 1.74                  | 0.73                     | 42.19                       | 74.00                     | -31.81                | Peak     | VERTICAL     |

Note:

1. Result Level = Read Level + Antenna Factor + Cable loss + Filter Factor - PRM Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

## 11. Power Line Conducted Emission

### 11.1. Block diagram of test setup



### 11.2. Power line conducted emission limits

| Frequency         | Quasi-Peak Level<br>dB(μV) | Average Level<br>dB(μV) |
|-------------------|----------------------------|-------------------------|
| 150 kHz ~ 500 kHz | 66 ~ 56*                   | 56 ~ 46*                |
| 500 kHz ~ 5 MHz   | 56                         | 46                      |
| 5 MHz ~ 30 MHz    | 60                         | 50                      |

Note 1: \* Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

### 11.3. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80 cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

#### **11.4. Test result**

**Pass. (See below detailed test result)**

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: "----" means Peak detection; "----" means Average detection.

Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded worse case.

# TR-4-E-010 Conducted Emission Test Result

**Test Site** : DDT 1# Shield Room

D:\2022 CE report date\Q22081816-2E  
ST2-CX-30D-US\FCC.EM6

**Test Date** : 2022-09-23

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

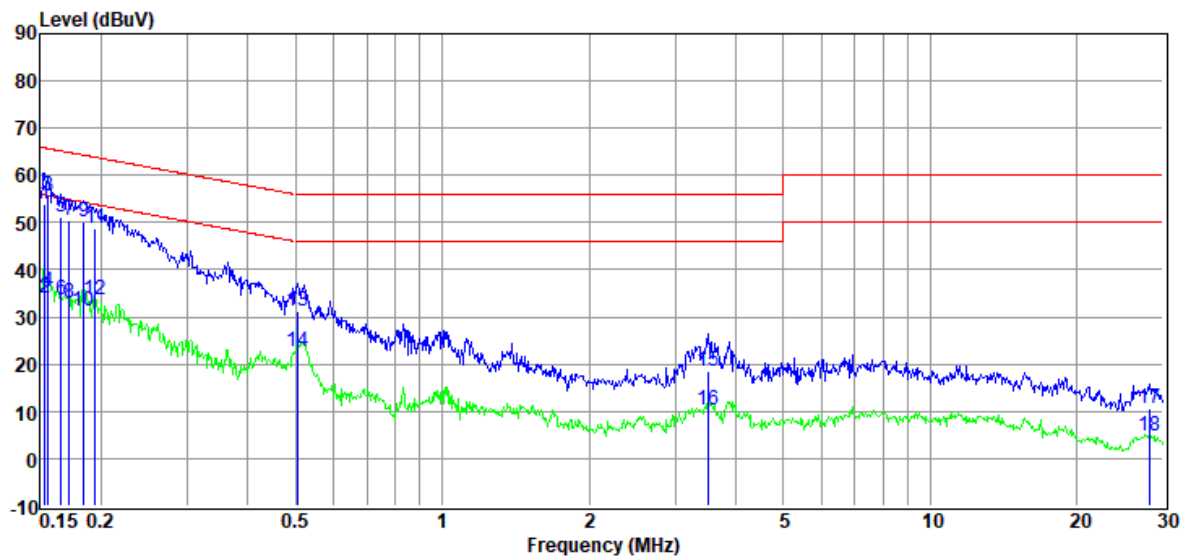
**Power Supply** : AC 120V/60Hz

**Test Mode** : TX mode

**Condition** : TEMP:23.8°C, RH:62.0%, BP:101.2kPa

**LISN** : 2021 1# ENV216/NEUTRAL

**Memo** : BLE 1M (Adapter model: SA12BV-120100U)



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Pulse<br>Limiter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV) | Limit<br>Line<br>(dBμV) | Over<br>Limit<br>(dB) | Detector | Phase   |
|----------------|----------------|-------------------------|------------------------|-----------------------|------------------------------------|---------------------------|-------------------------|-----------------------|----------|---------|
| 1              | 0.15           | 34.15                   | 9.80                   | 0.01                  | 9.92                               | 53.88                     | 65.82                   | -11.94                | QP       | NEUTRAL |
| 2              | 0.15           | 14.28                   | 9.80                   | 0.01                  | 9.92                               | 34.01                     | 55.82                   | -21.81                | Average  | NEUTRAL |
| 3              | 0.16           | 35.94                   | 9.80                   | 0.01                  | 9.92                               | 55.67                     | 65.69                   | -10.02                | QP       | NEUTRAL |
| 4              | 0.16           | 15.62                   | 9.80                   | 0.01                  | 9.92                               | 35.35                     | 55.69                   | -20.34                | Average  | NEUTRAL |
| 5              | 0.17           | 31.35                   | 9.80                   | 0.01                  | 9.92                               | 51.08                     | 65.16                   | -14.08                | QP       | NEUTRAL |
| 6              | 0.17           | 13.95                   | 9.80                   | 0.01                  | 9.92                               | 33.68                     | 55.16                   | -21.48                | Average  | NEUTRAL |
| 7              | 0.17           | 30.83                   | 9.80                   | 0.01                  | 9.92                               | 50.56                     | 64.86                   | -14.30                | QP       | NEUTRAL |
| 8              | 0.17           | 13.20                   | 9.80                   | 0.01                  | 9.92                               | 32.93                     | 54.86                   | -21.93                | Average  | NEUTRAL |
| 9              | 0.18           | 30.34                   | 9.80                   | 0.01                  | 9.92                               | 50.07                     | 64.28                   | -14.21                | QP       | NEUTRAL |
| 10             | 0.18           | 11.66                   | 9.80                   | 0.01                  | 9.92                               | 31.39                     | 54.28                   | -22.89                | Average  | NEUTRAL |
| 11             | 0.19           | 29.08                   | 9.80                   | 0.01                  | 9.92                               | 48.81                     | 63.84                   | -15.03                | QP       | NEUTRAL |
| 12             | 0.19           | 13.86                   | 9.80                   | 0.01                  | 9.92                               | 33.59                     | 53.84                   | -20.25                | Average  | NEUTRAL |

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.



# TR-4-E-010 Conducted Emission Test Result

**Test Site** : DDT 1# Shield Room

D:\2022 CE report date\Q22081816-2E  
ST2-CX-30D-US\FCC.EM6

**Test Date** : 2022-09-23

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

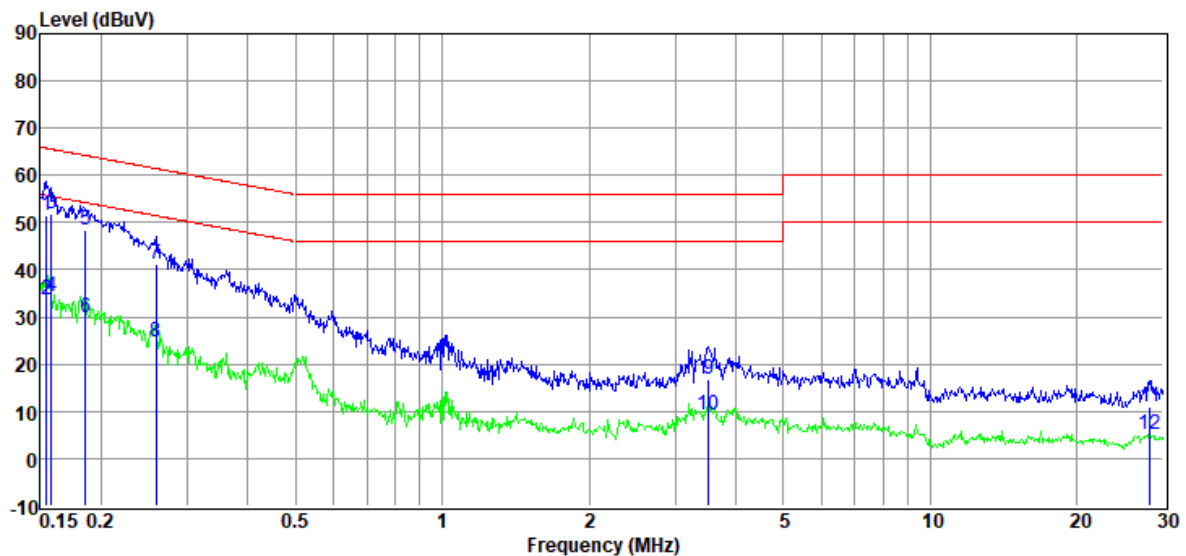
**Power Supply** : AC 120V/60Hz

**Test Mode** : TX mode

**Condition** : TEMP:23.8°C, RH:62.0%, BP:101.2kPa

**LISN** : 2021 1# ENV216/LINE

**Memo** : BLE 1M (Adapter model: SA12BV-120100U)



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Pulse<br>Limiter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV) | Limit<br>Line<br>(dBμV) | Over<br>Limit<br>(dB) | Detector | Phase |
|----------------|----------------|-------------------------|------------------------|-----------------------|------------------------------------|---------------------------|-------------------------|-----------------------|----------|-------|
| 1              | 0.15           | 31.80                   | 9.62                   | 0.01                  | 9.92                               | 51.35                     | 65.74                   | -14.39                | QP       | LINE  |
| 2              | 0.15           | 14.06                   | 9.62                   | 0.01                  | 9.92                               | 33.61                     | 55.74                   | -22.13                | Average  | LINE  |
| 3              | 0.16           | 32.13                   | 9.64                   | 0.01                  | 9.92                               | 51.70                     | 65.56                   | -13.86                | QP       | LINE  |
| 4              | 0.16           | 14.91                   | 9.64                   | 0.01                  | 9.92                               | 34.48                     | 55.56                   | -21.08                | Average  | LINE  |
| 5              | 0.19           | 28.80                   | 9.75                   | 0.01                  | 9.92                               | 48.48                     | 64.24                   | -15.76                | QP       | LINE  |
| 6              | 0.19           | 10.18                   | 9.75                   | 0.01                  | 9.92                               | 29.86                     | 54.24                   | -24.38                | Average  | LINE  |
| 7              | 0.26           | 21.45                   | 9.74                   | 0.02                  | 9.92                               | 41.13                     | 61.47                   | -20.34                | QP       | LINE  |
| 8              | 0.26           | 5.16                    | 9.74                   | 0.02                  | 9.92                               | 24.84                     | 51.47                   | -26.63                | Average  | LINE  |
| 9              | 3.51           | -2.74                   | 9.58                   | 0.05                  | 9.91                               | 16.80                     | 56.00                   | -39.20                | QP       | LINE  |
| 10             | 3.51           | -10.41                  | 9.58                   | 0.05                  | 9.91                               | 9.13                      | 46.00                   | -36.87                | Average  | LINE  |
| 11             | 28.15          | -8.76                   | 9.68                   | 0.20                  | 9.99                               | 11.11                     | 60.00                   | -48.89                | QP       | LINE  |
| 12             | 28.15          | -14.65                  | 9.68                   | 0.20                  | 9.99                               | 5.22                      | 50.00                   | -44.78                | Average  | LINE  |

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

# TR-4-E-010 Conducted Emission Test Result

**Test Site** : DDT 1# Shield Room

D:\2022 CE report date\Q22081816-2E  
ST2-CX-30D-US\FCC.EM6

**Test Date** : 2022-09-23

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

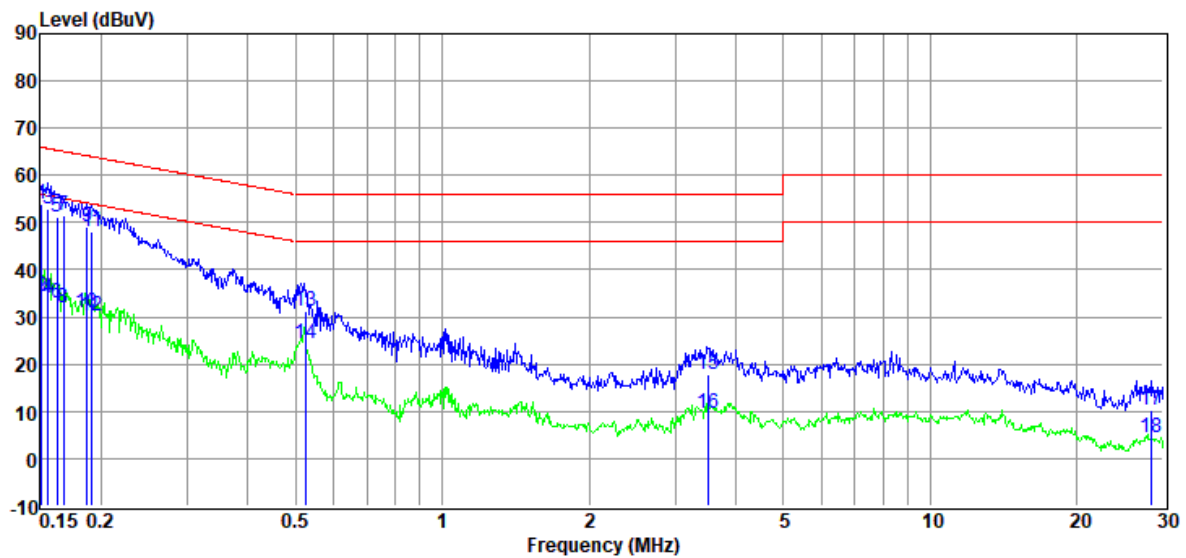
**Power Supply** : AC 120V/60Hz

**Test Mode** : TX mode

**Condition** : TEMP:23.8°C, RH:62.0%, BP:101.2kPa

**LISN** : 2021 1# ENV216/NEUTRAL

**Memo** : BLE 2M (Adapter model: SA12BV-120100U)



| Item<br>(Mark) | Freq.<br>(MHz) | Read Level<br>(dBμV) | LISN Factor<br>(dB) | Cable Loss<br>(dB) | Pulse Limiter Factor<br>(dB) | Result Level<br>(dBμV) | Limit Line<br>(dBμV) | Over Limit<br>(dB) | Detector | Phase   |
|----------------|----------------|----------------------|---------------------|--------------------|------------------------------|------------------------|----------------------|--------------------|----------|---------|
| 1              | 0.15           | 34.02                | 9.80                | 0.01               | 9.92                         | 53.75                  | 65.96                | -12.21             | QP       | NEUTRAL |
| 2              | 0.15           | 14.68                | 9.80                | 0.01               | 9.92                         | 34.41                  | 55.96                | -21.55             | Average  | NEUTRAL |
| 3              | 0.16           | 33.19                | 9.80                | 0.01               | 9.92                         | 52.92                  | 65.69                | -12.77             | QP       | NEUTRAL |
| 4              | 0.16           | 14.15                | 9.80                | 0.01               | 9.92                         | 33.88                  | 55.69                | -21.81             | Average  | NEUTRAL |
| 5              | 0.16           | 31.58                | 9.80                | 0.01               | 9.92                         | 51.31                  | 65.34                | -14.03             | QP       | NEUTRAL |
| 6              | 0.16           | 13.20                | 9.80                | 0.01               | 9.92                         | 32.93                  | 55.34                | -22.41             | Average  | NEUTRAL |
| 7              | 0.17           | 31.63                | 9.80                | 0.01               | 9.92                         | 51.36                  | 65.08                | -13.72             | QP       | NEUTRAL |
| 8              | 0.17           | 12.28                | 9.80                | 0.01               | 9.92                         | 32.01                  | 55.08                | -23.07             | Average  | NEUTRAL |
| 9              | 0.19           | 29.30                | 9.80                | 0.01               | 9.92                         | 49.03                  | 64.15                | -15.12             | QP       | NEUTRAL |
| 10             | 0.19           | 11.22                | 9.80                | 0.01               | 9.92                         | 30.95                  | 54.15                | -23.20             | Average  | NEUTRAL |
| 11             | 0.19           | 28.18                | 9.80                | 0.01               | 9.92                         | 47.91                  | 63.98                | -16.07             | QP       | NEUTRAL |
| 12             | 0.19           | 10.34                | 9.80                | 0.01               | 9.92                         | 30.07                  | 53.98                | -23.91             | Average  | NEUTRAL |

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

# TR-4-E-010 Conducted Emission Test Result

**Test Site** : DDT 1# Shield Room

D:\2022 CE report date\Q22081816-2E  
ST2-CX-30D-US\FCC.EM6

**Test Date** : 2022-09-23

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

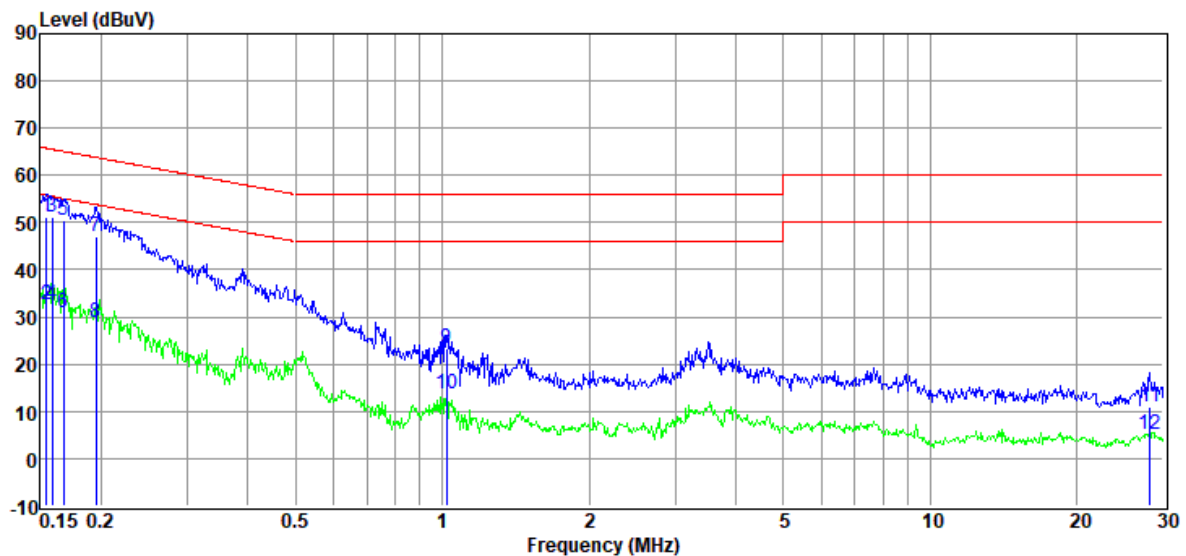
**Power Supply** : AC 120V/60Hz

**Test Mode** : TX mode

**Condition** : TEMP:23.8°C, RH:62.0%, BP:101.2kPa

**LISN** : 2021 1# ENV216/LINE

**Memo** : BLE 2M (Adapter model: SA12BV-120100U)



| Item   | Freq. | Read Level | LISN Factor | Cable Loss | Pulse Limiter Factor | Result Level | Limit Line | Over Limit | Detector | Phase |
|--------|-------|------------|-------------|------------|----------------------|--------------|------------|------------|----------|-------|
| (Mark) | (MHz) | (dBμV)     | (dB)        | (dB)       | (dB)                 | (dBμV)       | (dBμV)     | (dB)       |          |       |
| 1      | 0.15  | 31.78      | 9.62        | 0.01       | 9.92                 | 51.33        | 65.74      | -14.41     | QP       | LINE  |
| 2      | 0.15  | 13.04      | 9.62        | 0.01       | 9.92                 | 32.59        | 55.74      | -23.15     | Average  | LINE  |
| 3      | 0.16  | 31.60      | 9.64        | 0.01       | 9.92                 | 51.17        | 65.52      | -14.35     | QP       | LINE  |
| 4      | 0.16  | 13.16      | 9.64        | 0.01       | 9.92                 | 32.73        | 55.52      | -22.79     | Average  | LINE  |
| 5      | 0.17  | 30.93      | 9.68        | 0.01       | 9.92                 | 50.54        | 65.08      | -14.54     | QP       | LINE  |
| 6      | 0.17  | 11.45      | 9.68        | 0.01       | 9.92                 | 31.06        | 55.08      | -24.02     | Average  | LINE  |
| 7      | 0.20  | 27.31      | 9.78        | 0.01       | 9.92                 | 47.02        | 63.80      | -16.78     | QP       | LINE  |
| 8      | 0.20  | 9.13       | 9.78        | 0.01       | 9.92                 | 28.84        | 53.80      | -24.96     | Average  | LINE  |
| 9      | 1.02  | 3.78       | 9.60        | 0.03       | 9.89                 | 23.30        | 56.00      | -32.70     | QP       | LINE  |
| 10     | 1.02  | -5.87      | 9.60        | 0.03       | 9.89                 | 13.65        | 46.00      | -32.35     | Average  | LINE  |
| 11     | 28.15 | -8.84      | 9.68        | 0.20       | 9.99                 | 11.03        | 60.00      | -48.97     | QP       | LINE  |
| 12     | 28.15 | -14.70     | 9.68        | 0.20       | 9.99                 | 5.17         | 50.00      | -44.83     | Average  | LINE  |

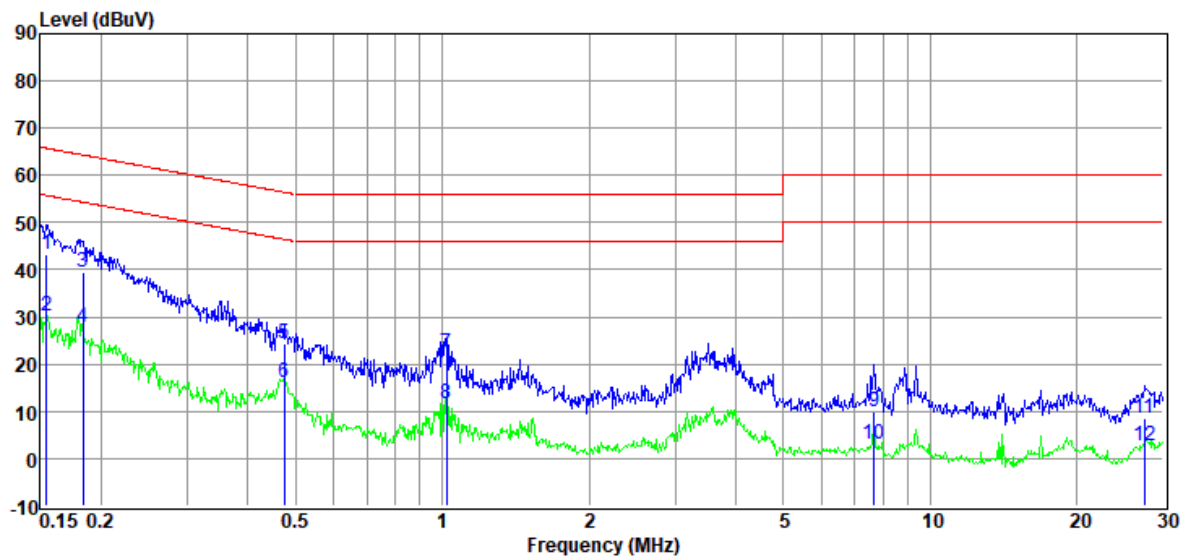
Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

## TR-4-E-010 Conducted Emission Test Result

**Test Site** : DDT 1# Shield Room  
**Test Date** : 2022-09-23  
**EUT** : StrideGym AI TV  
**Power Supply** : AC 120V/60Hz  
**Condition** : TEMP:23.8°C, RH:62.0%, BP:101.2kPa  
**Memo** : BLE 1M (Adapter model: TPQ-368D120100UW01)

**D:\2022 CE report date\Q22081816-2E**  
**ST2-CX-30D-US\FCC.EM6**  
**Tested By** : James Gan  
**Model Number** : ST2-CX-30D-US  
**Test Mode** : TX  
**LISN** : 2021 1# ENV216/NEUTRAL



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Pulse<br>Limiter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV) | Limit<br>Line<br>(dBμV) | Over<br>Limit<br>(dB) | Detector | Phase   |
|----------------|----------------|-------------------------|------------------------|-----------------------|------------------------------------|---------------------------|-------------------------|-----------------------|----------|---------|
| 1              | 0.15           | 23.64                   | 9.80                   | 0.01                  | 9.92                               | 43.37                     | 65.74                   | -22.37                | QP       | NEUTRAL |
| 2              | 0.15           | 10.56                   | 9.80                   | 0.01                  | 9.92                               | 30.29                     | 55.74                   | -25.45                | Average  | NEUTRAL |
| 3              | 0.18           | 19.62                   | 9.80                   | 0.01                  | 9.92                               | 39.35                     | 64.33                   | -24.98                | QP       | NEUTRAL |
| 4              | 0.18           | 8.03                    | 9.80                   | 0.01                  | 9.92                               | 27.76                     | 54.33                   | -26.57                | Average  | NEUTRAL |
| 5              | 0.47           | 4.81                    | 9.52                   | 0.02                  | 9.91                               | 24.26                     | 56.45                   | -32.19                | QP       | NEUTRAL |
| 6              | 0.47           | -3.27                   | 9.52                   | 0.02                  | 9.91                               | 16.18                     | 46.45                   | -30.27                | Average  | NEUTRAL |
| 7              | 1.02           | 2.81                    | 9.70                   | 0.03                  | 9.89                               | 22.43                     | 56.00                   | -33.57                | QP       | NEUTRAL |
| 8              | 1.02           | -7.95                   | 9.70                   | 0.03                  | 9.89                               | 11.67                     | 46.00                   | -34.33                | Average  | NEUTRAL |
| 9              | 7.69           | -9.69                   | 9.65                   | 0.09                  | 9.94                               | 9.99                      | 60.00                   | -50.01                | QP       | NEUTRAL |
| 10             | 7.69           | -16.63                  | 9.65                   | 0.09                  | 9.94                               | 3.05                      | 50.00                   | -46.95                | Average  | NEUTRAL |
| 11             | 27.42          | -11.38                  | 9.88                   | 0.20                  | 9.99                               | 8.69                      | 60.00                   | -51.31                | QP       | NEUTRAL |
| 12             | 27.42          | -17.30                  | 9.88                   | 0.20                  | 9.99                               | 2.77                      | 50.00                   | -47.23                | Average  | NEUTRAL |

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

## TR-4-E-010 Conducted Emission Test Result

**Test Site** : DDT 1# Shield Room

D:\2022 CE report date\Q22081816-2E  
ST2-CX-30D-US\FCC.EM6

**Test Date** : 2022-09-23

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

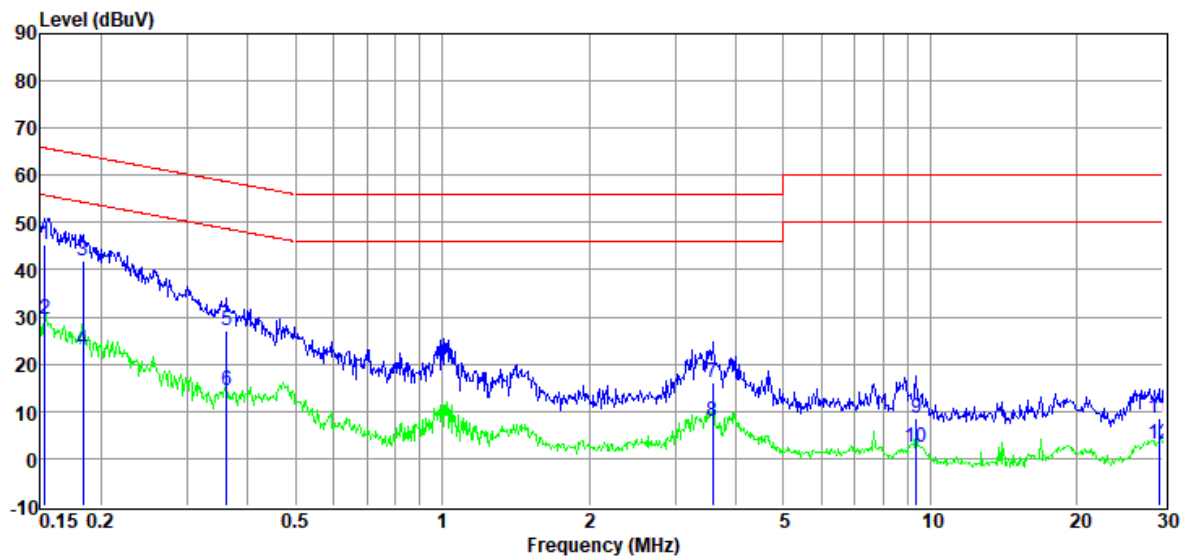
**Power Supply** : AC 120V/60Hz

**Test Mode** : TX

**Condition** : TEMP:23.8°C, RH:62.0%, BP:101.2kPa

**LISN** : 2021 1# ENV216/LINE

**Memo** : BLE 1M (Adapter model: TPQ-368D120100UW01)



| Item   | Freq. | Read Level | LISN Factor | Cable Loss | Pulse Limiter Factor | Result Level | Limit Line | Over Limit | Detector | Phase |
|--------|-------|------------|-------------|------------|----------------------|--------------|------------|------------|----------|-------|
| (Mark) | (MHz) | (dBμV)     | (dB)        | (dB)       | (dB)                 | (dBμV)       | (dBμV)     | (dB)       |          |       |
| 1      | 0.15  | 25.66      | 9.61        | 0.01       | 9.92                 | 45.20        | 65.82      | -20.62     | QP       | LINE  |
| 2      | 0.15  | 9.81       | 9.61        | 0.01       | 9.92                 | 29.35        | 55.82      | -26.47     | Average  | LINE  |
| 3      | 0.18  | 22.37      | 9.74        | 0.01       | 9.92                 | 42.04        | 64.33      | -22.29     | QP       | LINE  |
| 4      | 0.18  | 3.43       | 9.74        | 0.01       | 9.92                 | 23.10        | 54.33      | -31.23     | Average  | LINE  |
| 5      | 0.36  | 7.42       | 9.67        | 0.02       | 9.91                 | 27.02        | 58.69      | -31.67     | QP       | LINE  |
| 6      | 0.36  | -5.18      | 9.67        | 0.02       | 9.91                 | 14.42        | 48.69      | -34.27     | Average  | LINE  |
| 7      | 3.58  | -3.54      | 9.58        | 0.05       | 9.92                 | 16.01        | 56.00      | -39.99     | QP       | LINE  |
| 8      | 3.58  | -11.51     | 9.58        | 0.05       | 9.92                 | 8.04         | 46.00      | -37.96     | Average  | LINE  |
| 9      | 9.35  | -10.83     | 9.50        | 0.11       | 9.94                 | 8.72         | 60.00      | -51.28     | QP       | LINE  |
| 10     | 9.35  | -17.16     | 9.50        | 0.11       | 9.94                 | 2.39         | 50.00      | -47.61     | Average  | LINE  |
| 11     | 29.37 | -11.33     | 9.69        | 0.20       | 10.00                | 8.56         | 60.00      | -51.44     | QP       | LINE  |
| 12     | 29.37 | -16.71     | 9.69        | 0.20       | 10.00                | 3.18         | 50.00      | -46.82     | Average  | LINE  |

Note:

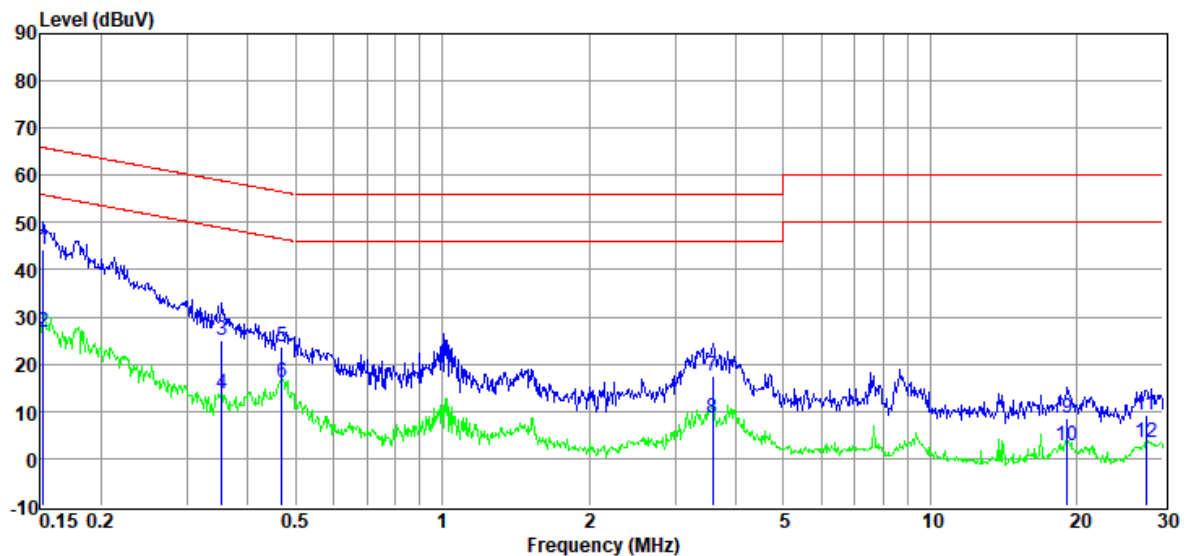
1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.



# TR-4-E-010 Conducted Emission Test Result

**Test Site** : DDT 1# Shield Room  
**Test Date** : 2022-09-23  
**EUT** : StrideGym AI TV  
**Power Supply** : AC 120V/60Hz  
**Condition** : TEMP:23.8°C, RH:62.0%, BP:101.2kPa  
**Memo** : BLE 2M (Adapter model: TPQ-368D120100UW01)

**D:\2022 CE report date\Q22081816-2E**  
**ST2-CX-30D-US\FCC.EM6**  
**Tested By** : James Gan  
**Model Number** : ST2-CX-30D-US  
**Test Mode** : TX  
**LISN** : 2021 1# ENV216/NEUTRAL



| Item<br>(Mark) | Freq.<br>(MHz) | Read<br>Level<br>(dBμV) | LISN<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Pulse<br>Limiter<br>Factor<br>(dB) | Result<br>Level<br>(dBμV) | Limit<br>Line<br>(dBμV) | Over<br>Limit<br>(dB) | Detector | Phase   |
|----------------|----------------|-------------------------|------------------------|-----------------------|------------------------------------|---------------------------|-------------------------|-----------------------|----------|---------|
| 1              | 0.15           | 24.51                   | 9.80                   | 0.01                  | 9.92                               | 44.24                     | 65.87                   | -21.63                | QP       | NEUTRAL |
| 2              | 0.15           | 7.19                    | 9.80                   | 0.01                  | 9.92                               | 26.92                     | 55.87                   | -28.95                | Average  | NEUTRAL |
| 3              | 0.35           | 5.50                    | 9.61                   | 0.02                  | 9.91                               | 25.04                     | 58.87                   | -33.83                | QP       | NEUTRAL |
| 4              | 0.35           | -5.69                   | 9.61                   | 0.02                  | 9.91                               | 13.85                     | 48.87                   | -35.02                | Average  | NEUTRAL |
| 5              | 0.47           | 4.17                    | 9.52                   | 0.02                  | 9.91                               | 23.62                     | 56.54                   | -32.92                | QP       | NEUTRAL |
| 6              | 0.47           | -3.48                   | 9.52                   | 0.02                  | 9.91                               | 15.97                     | 46.54                   | -30.57                | Average  | NEUTRAL |
| 7              | 3.58           | -2.12                   | 9.77                   | 0.05                  | 9.92                               | 17.62                     | 56.00                   | -38.38                | QP       | NEUTRAL |
| 8              | 3.58           | -11.35                  | 9.77                   | 0.05                  | 9.92                               | 8.39                      | 46.00                   | -37.61                | Average  | NEUTRAL |
| 9              | 19.12          | -11.24                  | 9.77                   | 0.17                  | 9.96                               | 8.66                      | 60.00                   | -51.34                | QP       | NEUTRAL |
| 10             | 19.12          | -17.24                  | 9.77                   | 0.17                  | 9.96                               | 2.66                      | 50.00                   | -47.34                | Average  | NEUTRAL |
| 11             | 27.71          | -10.83                  | 9.88                   | 0.20                  | 9.99                               | 9.24                      | 60.00                   | -50.76                | QP       | NEUTRAL |
| 12             | 27.71          | -16.54                  | 9.88                   | 0.20                  | 9.99                               | 3.53                      | 50.00                   | -46.47                | Average  | NEUTRAL |

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

# TR-4-E-010 Conducted Emission Test Result

**Test Site** : DDT 1# Shield Room

D:\2022 CE report date\Q22081816-2E  
ST2-CX-30D-US\FCC.EM6

**Test Date** : 2022-09-23

**Tested By** : James Gan

**EUT** : StrideGym AI TV

**Model Number** : ST2-CX-30D-US

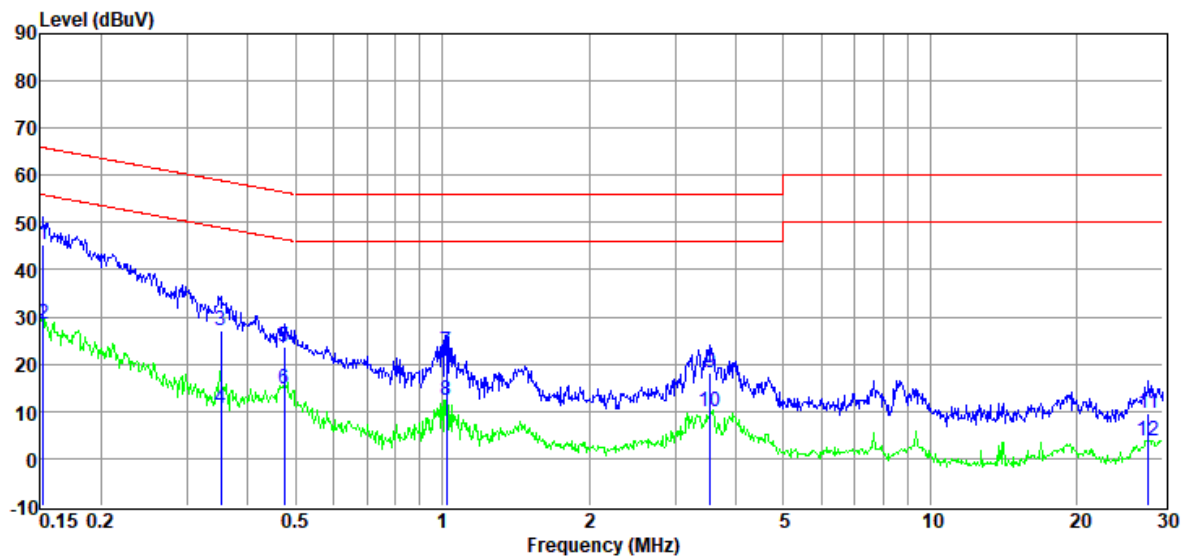
**Power Supply** : AC 120V/60Hz

**Test Mode** : TX

**Condition** : TEMP:23.8°C, RH:62.0%, BP:101.2kPa

**LISN** : 2021 1# ENV216/LINE

**Memo** : BLE 2M (Adapter model: TPQ-368D120100UW01)



| Item<br>(Mark) | Freq.<br>(MHz) | Read Level<br>(dBμV) | LISN Factor<br>(dB) | Cable Loss<br>(dB) | Pulse Limiter Factor<br>(dB) | Result Level<br>(dBμV) | Limit Line<br>(dBμV) | Over Limit<br>(dB) | Detector | Phase |
|----------------|----------------|----------------------|---------------------|--------------------|------------------------------|------------------------|----------------------|--------------------|----------|-------|
| 1              | 0.15           | 25.68                | 9.61                | 0.01               | 9.92                         | 45.22                  | 65.87                | -20.65             | QP       | LINE  |
| 2              | 0.15           | 9.11                 | 9.61                | 0.01               | 9.92                         | 28.65                  | 55.87                | -27.22             | Average  | LINE  |
| 3              | 0.35           | 7.66                 | 9.68                | 0.02               | 9.91                         | 27.27                  | 58.91                | -31.64             | QP       | LINE  |
| 4              | 0.35           | -8.92                | 9.68                | 0.02               | 9.91                         | 10.69                  | 48.91                | -38.22             | Average  | LINE  |
| 5              | 0.47           | 4.13                 | 9.61                | 0.02               | 9.91                         | 23.67                  | 56.45                | -32.78             | QP       | LINE  |
| 6              | 0.47           | -4.66                | 9.61                | 0.02               | 9.91                         | 14.88                  | 46.45                | -31.57             | Average  | LINE  |
| 7              | 1.02           | 3.13                 | 9.60                | 0.03               | 9.89                         | 22.65                  | 56.00                | -33.35             | QP       | LINE  |
| 8              | 1.02           | -7.33                | 9.60                | 0.03               | 9.89                         | 12.19                  | 46.00                | -33.81             | Average  | LINE  |
| 9              | 3.55           | -1.27                | 9.58                | 0.05               | 9.91                         | 18.27                  | 56.00                | -37.73             | QP       | LINE  |
| 10             | 3.55           | -9.75                | 9.58                | 0.05               | 9.91                         | 9.79                   | 46.00                | -36.21             | Average  | LINE  |
| 11             | 28.00          | -10.33               | 9.68                | 0.20               | 9.99                         | 9.54                   | 60.00                | -50.46             | QP       | LINE  |
| 12             | 28.00          | -15.97               | 9.68                | 0.20               | 9.99                         | 3.90                   | 50.00                | -46.10             | Average  | LINE  |

Note:

1. Result Level = Read Level + LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

## **12. Antenna Requirements**

### **12.1. Limit**

For intentional device, according to FCC 47 CFR Section 15.203, 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. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

### **12.2. Result**

The product is that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 2.67 dBi.