

Testing Lab. This document may be altered or revised by Shenzhen Tongce Testing Lab personnel only, and shall be noted in the revision section of the document. The test results in the report only apply to the tested sample.

TABLE OF CONTENTS

TCT通测检测 TESTING CENTRE TECHNOLOGY

| 1 . c | Test Certification | | |
|--------------|---|------------|----|
| 2. | Test Result Summary | | |
| 3. | EUT Description | | |
| 4. | Test Methodology | | 6 |
| | 4.1. Decision of Final Test Mode | <u> </u> | 6 |
| | 4.2. EUT System Operation | | 6 |
| 5. | Setup of Equipment under Test | | |
| | 5.1. Description of Support Units | <u>(0)</u> | 7 |
| | 5.2. Configuration of System Under Test | | 7 |
| 6. | Facilities and Accreditations | | 8 |
| | 6.1. Facilities | | 8 |
| | 6.2. Measurement Uncertainty | | |
| 7. | Emission Test | | |
| | 7.1. Conducted Emission at Mains Term | inals | |
| | 7.2. Radiated Emission | | 11 |
| 8. | Photographs of Test Configuration | | 15 |
| 9. | Photographs of EUT | | |
| | | | |

Report No.: TCT180926E013





1. Test Certification

| Product: | Vitamine Devices | | | | | | |
|--------------------------|--|--|--|--|--|--|--|
| Model No.: | Boisterous Berry, Marvelous Mint, Vintage Vanilla, Cool Citrus, Charming Cherry, Succulent Strawberry, Slim, Kama Sutra, Surge, Max Menthol, Freedom, Rejuvenate, Stress | | | | | | |
| Applicant: | VitaCig Inc. | | | | | | |
| Address: | 2375 Watermill Dr, Orange Park, Florida, 32073 | | | | | | |
| Manufacturer: | SURPASS INTERNATIONAL TECHNOLOGY LTD | | | | | | |
| Address: | Area B, 2/F, Building C2, Fuyuan Industrial Zone, Tangwei, Fuyong Street, Bao'an District, Shenzhen | | | | | | |
| Test Voltage: | DC 3.7 V | | | | | | |
| Date of Test: | Sep. 28, 2018 ~ Sep. 30, 2018 | | | | | | |
| Applicable Standards: | 47 CFR FCC Part 15 Subpart B ANSI C63.4: 2014 | | | | | | |

The above equipment has been tested by Shenzhen Tongce Testing Lab and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

| Tested By: | Zak | Date: | Sep. 30, 2018 | _ |
|--------------|--------------|-------|---------------|---------|
| Check By: | Howie TONGCE | Date: | Sep. 30, 2018 | _ |
| Approved By: | Tomsin's | Date: | Sep. 30, 2018 | -3 |
| | | | Page | 3 of 20 |



2. Test Result Summary

| X | | Emission | |
|---|------------------------------|--|--------|
| | Test Method | Item | Result |
| | FCC 47 CFR Part 15 Subpart B | Conducted Emission at Mains Terminals | N/A |
| | | Radiated Emission | Pass |

Note:

- 1. Pass: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.
- 5. The information of measurement uncertainty is available upon the customer's request.

EUT Description 3.

| Product | Name: | Vitamine Devices | | |
|-----------|-------------|---|--|--|
| Model No | D .: | Boisterous Berry | | |
| Product | Parameter: | Battery Capacity: DC 3.7 V, 1.0 Wh | | |
| AC Mains | S: | Shielded Unshielded, Detachable Un-detachable | | |
| DC Line: | | Shielded Unshielded, Detachable Un-detachable | | |
| Control L | _ine: | Shielded Unshielded, Detachable Un-detachable | | |

Model(s) List

| Model(| s) List | 3 | | | |
|---|------------------|-------------|--|--|--|
| No. | Model Number | Tested With | | | |
| 1 | Boisterous Berry | \square | | | |
| Other models | | | | | |
| Note: Boisterous Berry is tested model, other models are derivative models. The model are identical in circuit and PCB layout, only different on the model names. So the data of Boisterous Berry can represent the remaining models. | | | | | |



| thi | nfiguration, s report. | s tested toget , which produ | uced the v | worst emiss | | | |
|-----|------------------------|---|------------|-------------|---------|--|--|
| | est Mode | test mode(s |) were as | sessed: | <u></u> | | |
| N | lode 1: Wo | orking | | | | | |
| 1. | Set up EU | em Operation T with the su the EUT wo | pport equ | | e test. | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Setup of Equipment under Test 5.

5.1. Description of Support Units

TCT 通测检测 TESTING CENTRE TECHNOLOGY

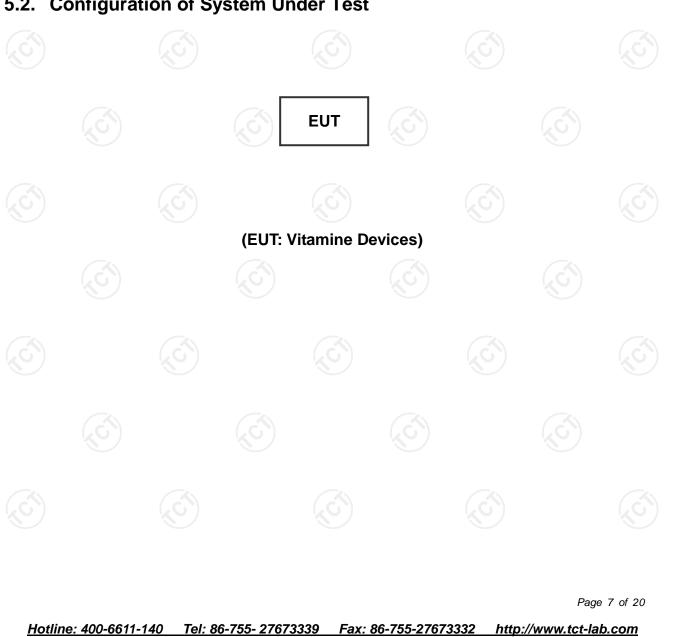
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Equipment | Model No. | Serial No. | FCC ID | Trade Name |
|-----------|-----------|------------|--------|------------|
| / | 1 | 1 | 1 | 1 |

Note:

- 1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
- 2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

5.2. Configuration of System Under Test



6. Facilities and Accreditations

6.1. Facilities

The test facility is recognized, certified, or accredited by the following organizations: FCC - Registration No.: 645098

Shenzhen Tongce Testing Lab

The 3m Semi-anechoic chamber has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

The sites are constructed in conformance with the requirements of ANSI C63.4 and CISPR Publication 32. All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

6.2. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

| No. | Item | MU |
|-----|-------------------------------|---------------|
| 1. | Temperature | ±0.1℃ |
| 2. | Humidity | ±1.0 % |
| 3. | Spurious Emissions, Conducted | \pm 2.56 dB |
| 4. | All Emissions, Radiated | ±4.28 dB |

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

7. Emission Test

TCT 通测检测 TESTING CENTRE TECHNOLOGY

7.1. Conducted Emission at Mains Terminals

7.1.1. Test Specification

| Test Requirement: | FCC 47 CFR Part 15 Subpart B | | |
|-------------------|------------------------------|-------------------------------------|--|
| Test Method: | ANSI C63.4: 2014 | $\langle \mathcal{C}^{(n)} \rangle$ | |
| Frequency Range: | 150 kHz to 30 MHz | | |

7.1.2. Limits

| Class A | dB(uV) | Class | B dB(uV) |
|-------------|------------------------|----------------------|---|
| Quasi-peak | Average | Quasi-peak | Average |
| 79 | 66 | 66 – 56 ^a | 56 – 46 ^a |
| 73 | 60 | 56 | 46 |
| 6 73 | 60 | 60 | 50 |
| | Quasi-peak 79 73 | 79 66 73 60 | Quasi-peak Average Quasi-peak 79 66 66 - 56 ^a 73 60 56 |

a. Decreases with the logarithm of the frequency

7.1.3. Test Instruments

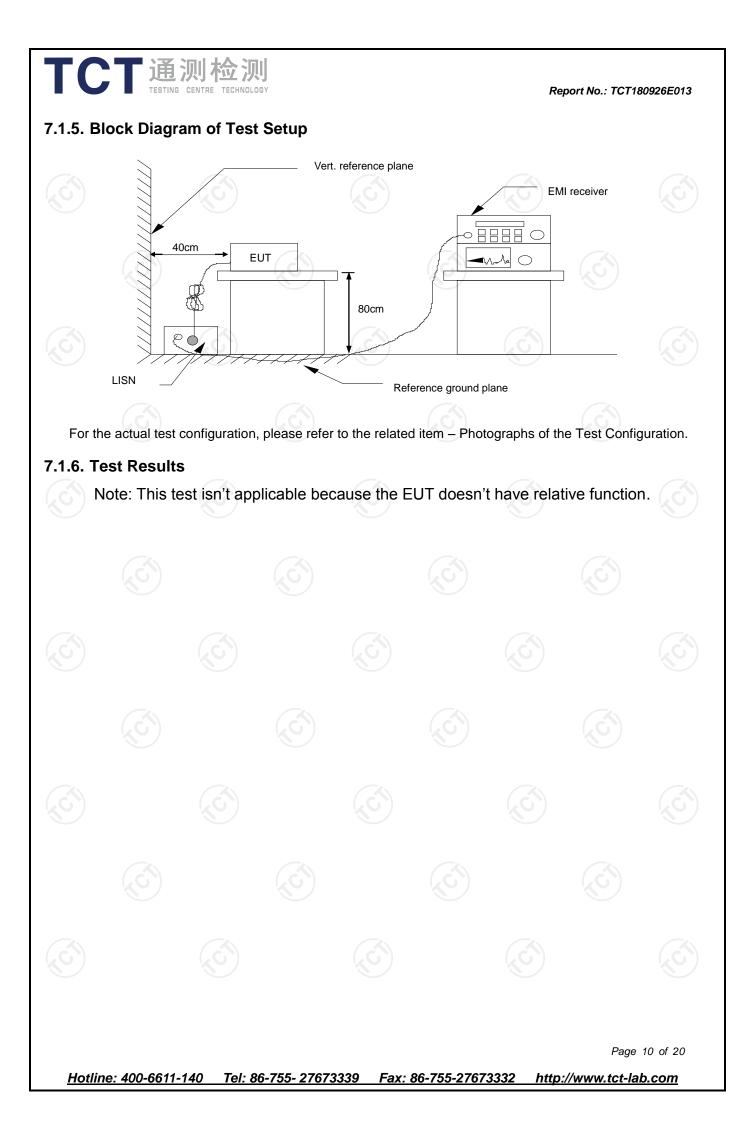
| Conducted Emission Shielding Room Test Site (843) | | | | | | |
|---|--------------|-----------|---------------|-----------------|--|--|
| Equipment | Manufacturer | Model | Serial Number | Calibration Due | | |
| EMI Test Receiver | R&S | ESCS30 | 100139 | Aug. 27, 2019 | | |
| LISN | Schwarzbeck | NSLK 8126 | 8126453 | Aug. 27, 2019 | | |

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

7.1.4. Test Method

The AMN was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane. This distance was between the closest points of the AMN and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the AMN. All power was connected to the system through Artificial Mains Network (AMN). Conducted voltage measurements on mains lines were made at the output of the AMN

Report No.: TCT180926E013



7.2. Radiated Emission

TCT 通测检测 TESTING CENTRE TECHNOLOGY

7.2.1. Test Specification

| Test Requirement: | FCC 47 CFR Part 15 Subpart B | 6 |
|-----------------------|------------------------------|---|
| Test Method: | ANSI C63.4: 2014 | |
| Frequency Range: | 30 MHz to 1000 MHz | |
| Measurement Distance: | 3 m | |
| Antenna Polarization: | Horizontal & Vertical | |
| | | |

7.2.2. Limits

| Class A (at 3m) | Class B (at 3m) | | |
|-----------------|----------------------|--|--|
| dBuV/m | dBuV/m | | |
| 49.0 | 40.0 | | |
| 53.5 | 43.5 | | |
| 56.4 | 46.0 | | |
| 59.5 | 54.0 | | |
| | 49.0 53.5 56.4 | | |

Note:

1. The lower limit shall apply at the transition frequencies.

2. Emission level dB(μ V/m) = 20 log Emission level (μ V/m).

7.2.3. Test Instruments

| Radiated Emission Test Site (966) | | | | | | |
|-----------------------------------|--------------|-------------|------------------|-----------------|--|--|
| Name of Equipment | Manufacturer | Model | Serial Number | Calibration Due | | |
| EMI Test Receiver | R&S | ESVD | 100008 | Aug. 27, 2019 | | |
| Spectrum Analyzer | R&S | FSEM | 848597-001 | Aug. 27, 2019 | | |
| Amplifier | HP | 8447D | 2727A05017 | Aug. 27, 2019 | | |
| Amplifier | EM | EM30265 | 07032613 | Aug. 27, 2019 | | |
| Broadband Antenna | Schwarzbeck | VULB9163 | 340 | Aug. 27, 2019 | | |
| Horn Antenna | Schwarzbeck | BBHA 9120D | 631 | Aug. 27, 2019 | | |

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

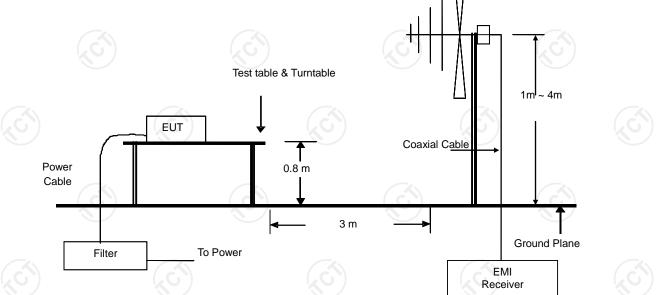
Page 11 of 20

7.2.4. Test Method

TCT 通测检测 TESTING CENTRE TECHNOLOGY

> Measurements were made in a 3-meter semi-anechoic chamber or Open Area Test Site that complies to CISPR 16. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 3 meter. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements (quasi-peak) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable. Block Diagram of Test Setup.

7.2.5. Block Diagram of Test Setup



For the actual test configuration, please refer to the related item - Photographs of the Test Configuration

7.2.6. Test Results

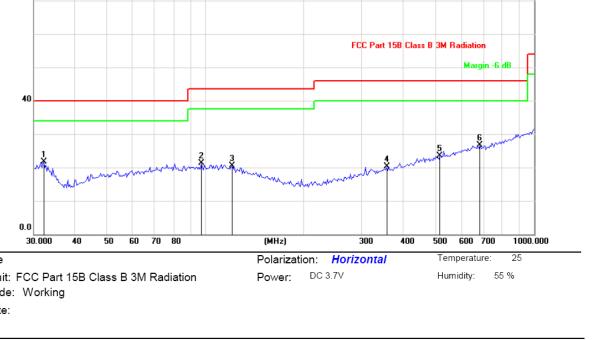
| Test Environment: | Temp.: 25 ℃ | Humid.: 5 | 5% Pres | s:: 96 kPa |
|--|-----------------------|-------------------------------|------------------------|-----------------|
| Test Mode: | Mode 1 | | | |
| Test Voltage: | DC 3.7 V | $\langle \mathcal{O} \rangle$ | | |
| Test Result: | Pass | | | |
| Note: Freg. = Emission frequen | cy in MHz | | | |
| Reading level (dBµV/m) = | | | | |
| Corr. Factor (dB) = Anten | | | | |
| Measurement (dBµV/m) = | | /m) + Corr. Factor (d | IB) | |
| Limit (dBµV/m) = Limit sta | | | | |
| Margin (dB) = Measurem * is meaning the worst fre | | | ncy range | |
| * is meaning the worst fre | equency has been test | ed in the test frequer | ncy range | Page 12 of |
| | | | | Page 12 of 20 |
| <u>tline: 400-6611-140 Te</u> | el: 86-755- 27673339 | Fax: 86-755-2767 | 7 <u>3332 http://w</u> | /ww.tct-lab.com |

Please refer to following diagram for individual 80.0 dBuV/m FCC Part 15B Class B 3M Radiation Margin -6 dB 40 ê 5 2 0.0 30.000 40 50 60 70 80 (MHz) 300 400 500 600 700 1000.000 Site Temperature: 25 Polarization: Horizontal

Limit: FCC Part 15B Class B 3M Radiation Mode: Working Note:

TCT 通测检测 TESTING CENTRE TECHNOLOGY

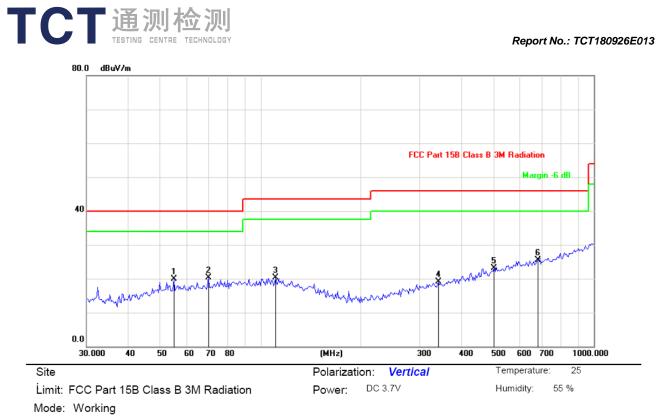
| No. | Mk | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | Antenna Height | Table Degree | |
|-----|----|----------|------------------|-------------------|------------------|-------|--------|----------|-------------------|-----------------|---------|
| | | MHz | dBuV | dB | dBuV/m | dB/m | dB | Detector | cm | degree | Comment |
| 1 | * | 32.1840 | 32.68 | -11.01 | 21.67 | 40.00 | -18.33 | peak | | | |
| 2 | | 97.0023 | 29.97 | -8.72 | 21.25 | 43.50 | -22.25 | peak | | | |
| 3 | | 120.6118 | 32.21 | -11.68 | 20.53 | 43.50 | -22.97 | peak | | | |
| 4 | | 355.9397 | 28.69 | -8.41 | 20.28 | 46.00 | -25.72 | peak | | | |
| 5 | | 516.5651 | 28.97 | -5.51 | 23.46 | 46.00 | -22.54 | peak | | | |
| 6 | | 684.2259 | 29.64 | -3.02 | 26.62 | 46.00 | -19.38 | peak | | | |



Hotline: 400-6611-140 Tel: 86-755- 27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Page 13 of 20

Report No.: TCT180926E013



Note:

| 2 * 69.7179 35.76 -15.55 20.21 40.00 -19.79 pe 3 110.8581 29.28 -9.05 20.23 43.50 -23.27 pe 4 341.2442 27.90 -8.76 19.14 46.00 -26.86 pe 5 502.2473 28.80 -5.68 23.12 46.00 -22.88 pe | Antenna Table Height Degree |
|---|--------------------------------|
| 2 * 69.7179 35.76 -15.55 20.21 40.00 -19.79 pe 3 110.8581 29.28 -9.05 20.23 43.50 -23.27 pe 4 341.2442 27.90 -8.76 19.14 46.00 -26.86 pe 5 502.2473 28.80 -5.68 23.12 46.00 -22.88 pe | ector cm degree Comment |
| 3 110.8581 29.28 -9.05 20.23 43.50 -23.27 pe 4 341.2442 27.90 -8.76 19.14 46.00 -26.86 pe 5 502.2473 28.80 -5.68 23.12 46.00 -22.88 pe | eak |
| 4 341.2442 27.90 -8.76 19.14 46.00 -26.86 pe 5 502.2473 28.80 -5.68 23.12 46.00 -22.88 pe | eak |
| 5 502.2473 28.80 -5.68 23.12 46.00 -22.88 pe | eak |
| · ···· ··· ··· ··· ··· ··· ··· ··· ··· | eak |
| 6 679 4346 28 65 -3 05 25 60 46 00 -20 40 pe | eak |
| | eak |

