

CENTRE OF TESTING SERVICE INTERNATIONAL

OPERATE ACCORDING TO ISO/IEC 17025

FCC ID TEST REPORT

TEST REPORT NUMBER: CGZ3170207-00100-EF



CENTRE OF TESTING SERVICE CO., LTD.

A101, No.65, Zhuji Highway, Tianhe District, Guangzhou, China







| TEST REPORT For FCC ID 47 CFR PART 15 OCT, 2016 | | | |
|--|---|--|--|
| Report Reference No | CGZ3170207-00100-EF | | |
| Date of issue | 15 February 2017 | | |
| Testing Laboratory Name | CENTRE OF TESTING SERVICE CO., LTD. | | |
| Address | . A101, No.65, Zhuji Highway,Tianhe District, Guangzhou, China | | |
| Testing location/ procedure | Full application of Harmonised standards ■ | | |
| | Partial application of Harmonised standards \square | | |
| | Other standard testing method \square | | |
| Applicant's name | Venture Global Ltd. | | |
| Address | Room 1102, 11/F., Fabrico Industrial Building, 78-84 Kwai Cheong Road, Kwai Chung, N.T., Hong Kong. | | |
| Test specification | | | |
| Standard | 47 CFR PART 15 OCT, 2016 | | |
| Test Report Form No | CTSEMC-1.0 | | |
| TRF Originator | CENTRE OF TESTING SERVICE CO., LTD | | |
| Master TRF | Dated 2009-01 | | |
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| Test item description | Wireless Sensor Pad Transmitter | | |
| Trade Mark | VenGuard | | |
| Manufacturer | Venture Global Ltd. | | |
| Model/Type reference | SPX-1000 | | |
| Ratings | Battery 3V | | |
| Operating Frequency | 914.8MHz | | |

Compiled by:

Result Positive

Supervised by:

Approved by:

Kate zhang / File administrators

Duke yang / Technique principal

Vincent yao / Manager

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FCCID -- TEST REPORT

Test Report No. : CGZ3170207-00100-EF

15 February 2017
Date of issue

| Type / Model | SPX-1000 |
|--------------|---|
| EUT | Wireless Sensor Pad Transmitter |
| Applicant | Venture Global Ltd. |
| Address | Room 1102, 11/F., Fabrico Industrial Building, 78-84 Kwai Cheong Road, Kwai Chung, N.T., Hong Kong. |
| Telephone | +852-3529 1206 |
| Fax | |
| Contact | Liao Weihuang |
| | ŭ |
| Manufacturer | Venture Global Ltd. |
| Address | Room 1102, 11/F., Fabrico Industrial Building, 78-84 Kwai Cheong Road, Kwai Chung, N.T., Hong Kong. |
| Telephone | +852-3529 1206 |
| Fax | +852-3692 5980 |
| Contact | |
| | Ŭ |
| Factory | 1 |
| Address | 1 |
| Telephone | 1 |
| Fax | |
| Contact | 1 |

| Test Result according to the standards on page 1: | PASSED |
|---|--------|
|---|--------|

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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TABLE OF CONTENTS

| <u>Description</u> | Page |
|---|------|
| 1.TEST STANDARDS | 5 |
| 2.SUMMARY | 5 |
| 2.1 GENERAL REMARKS | 5 |
| 2.2 FINAL ASSESSMENT | |
| 3.EQUIPMENT UNDER TEST | 5 |
| 3.1 Power Supply System utilised | 5 |
| 3.2 SHORT DESCRIPTION OF THE EQUIPMENT UNDER TEST (EUT) | 5 |
| 3.3 EUT OPERATION MODE | |
| 3.4 EUT CONFIGURATION | 6 |
| 4.TEST ENVIRONMENT | 7 |
| 4.1 Address of the test laboratory | 7 |
| 4.2 Test facility | 7 |
| 4.3 ENVIRONMENTAL CONDITIONS | |
| 4.4 DEFINITIONS OF SYMBOLS USED IN THIS TEST REPORT | |
| 4.5 STATEMENT OF THE MEASUREMENT UNCERTAINTY | |
| 4.6 MEASUREMENT UNCERTAINTY | 8 |
| 5.SUMMARY OF STANDARDS AND RESULTS | 8 |
| 5.1.DESCRIPTION OF STANDARDS AND RESULTS | 8 |
| 6.TEST CONDITIONS AND RESULTS | 9 |
| 6.1 Power Line Conducted Emission Test | 9 |
| 7.TRANSMITTER OUPUT POWER AND SPURIOUS EMISSION (ELECTRIC FIELD) | 11 |
| 7.1.Test Equipment | |
| 7.2.BLOCK DIAGRAM OF TEST SETUP | 11 |
| 7.3. TRANSMITTER OUTPUT POWER AND SPURIOUS EMISSIONS LIMIT: | |
| 7.4.Test Procedure | |
| 7.5.RADIATED EMISSION TEST RESULTS | 13 |
| 8.BAND EDGE COMPLIANCE TEST | 19 |
| 8.1. Test Equipment | 19 |
| 8.2. Test Information | |
| 8.3. TEST PROCEDURE | 19 |
| 8.4. TEST RESULTS | 19 |
| 9 20 DB BANDWIDTH TEST | 22 |
| 9.1. Test Equipment | 22 |
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| 9.2. Test Information | 22 |
|--|----|
| 9.3. TEST RESULTS | |
| | |
| 10.0 ANTENNA REQUIREMENTS | 24 |
| 10.1 STANDARD APPLICABLE | 24 |
| 10.2 ANTENNA CONSTRUCTION AND DIRECTIONAL GAIN | |
| | |
| 11.0.DEVIATION TO TEST SPECIFICATIONS | 24 |

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1. TEST STANDARDS

The tests were performed according to following standards:

- 47 CFR PART 15 OCT, 2016
- ANSI C63.10-2013

2. SUMMARY

2.1 GENERAL REMARKS

| Date of receipt of test sample | 07 February 2017 | | |
|--------------------------------|---------------------|--|--|
| | | | |
| Testing commenced on | 07~15 February 2017 | | |
| | | | |
| Testing concluded on | 15 February 2017 | | |

2.2 FINAL ASSESSMENT

The FCC requirements pertaining to the technical standards and tested operation modes are

- fulfilled.
- □ **not** fulfilled.

The equipment under test

- fulfils the FCC requirements cited on page 1.
- does not fulfil the FCC requirements cited on page 1.

3. EQUIPMENT UNDER TEST

3.1 Power supply system utilised

Power supply voltage : ■ Battery 3V

3.2 Short description of the Equipment under Test (EUT)

Number of tested samples: 1
Serial number: Prototype

3.3 EUT operation mode

The equipment under test was operated during the measurement under the following conditions:

☐ TX- Y position☐ TX- Zposition

■ TX- X position

TX-X position: TX-X Position

Note: TX -X position of EUT is the worst case, so only these test results be recorded in the test report.

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Report No.: CGZ3170207-00100-EF







3.4 EUT configuration

3.4.1. Description of configuration (EUT)

| Description | : | Wireless Sensor Pad Transmitter |
|-----------------------|---|---------------------------------|
| Model Number | : | SPX-1000 |
| Operation frequency | : | 914.800MHz |
| Radio Technology | : | FSK |
| Modulation Technology | : | FSKmodulation |
| Antenna | : | Integral antenna |

3.4.2. Tested Supporting System Details

N/A

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Report No.: CGZ3170207-00100-EF Page 6 of 24





4. TEST ENVIRONMENT

4.1 Address of the test laboratory

A101, No.65, Zhuji Highway, Tianhe District, Guangzhou, China

Tel: +86-20-85543113 (32 lines) Fax: +86-20-38780406

4.2 Test facility

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

CNAS-Lab Code: L3394

CENTRE OF TESTING SERVICE CO., LTD has been assessed and proved to be in compliance with CNAS-CL01: 2006 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories.

IC-Registration No.: 8374A

The 3m Alternate Test Site of CENTRE OF TESTING SERVICE CO., LTD has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 8374A on May 22, 2014.

FCC-Registration No.: 971995

CENTRE OF TESTING SERVICE CO., LTD, EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration No.791995, July 13,2012.

4.3 Environmental conditions

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

| Temperature: | 15~35 ° C |
|-----------------------|------------|
| | |
| Humidity: | 25~75 % |
| | |
| Atmospheric pressure: | 86~106 kPa |

4.4 Definitions of symbols used in this test report

- - The black square indicates that the listed condition, standard or equipment is applicable for this report.
- The empty square indicates that the listed condition, standard or equipment is **not** applicable for this report.

4.5 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the CTS quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

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Report No.: CGZ3170207-00100-EF Page 7 of 24





4.6 Measurement Uncertainty

| Test Item | Frequency Range | Uncertainty | Note |
|-------------------------|-----------------|-------------|------|
| Conduction disturbance | 150kHz~30MHz | ±1.22dB | (1) |
| Power disturbance | 30MHz~300MHz | ±1.38dB | (1) |
| Radiation emission (3m) | 30MHz~300MHz | ±3.14dB | (1) |
| | 300MHz~1000MHz | ±3.18dB | (1) |
| | 1GHz~18GHz | ±3.54dB | (1) |

^{(1).} This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

5. SUMMARY OF STANDARDS AND RESULTS

5.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

| EMISSION | | | | |
|--|--|---------|--|--|
| Description of Test Item | Standard | Results | | |
| Conducted Emission Test | FCC Part 15 : 15.207 ANSI C63.10-2013 | N/A | | |
| Transmitter Output power and | FCC Part 15 C: 15.249 FCC Part 15 C: 15.209 | PASSED | | |
| Spurious Emissions | ANSI C63.10-2013 | | | |
| Band Edge Compliance Test | FCC Part 15 C: 15.249 ANSI C63.10-2013 | PASSED | | |
| 20 dB Bandwidth | FCC Part 15 C: 15.215 ANSI C63.10:2013 | PASSED | | |
| Antenna Requirement | FCC Part 15 C: 15.203 ANSI C63.10:2013 | PASSED | | |
| N/A is an abbreviation for Not Applicable. | | | | |

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Report No.: CGZ3170207-00100-EF





6. TEST CONDITIONS AND RESULTS

6.1 Power Line Conducted Emission Test

For test instruments and accessories used see section 6.1.5

6.1.1 Description of the test location

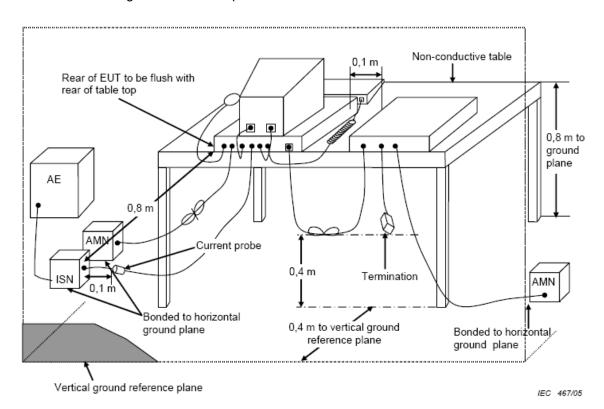
Test location : Shielding Room

6.1.2 Description of the test set-up

6.1.2.1 Operating Condition

The EUT is engraving during the test, and the results of the maximum emanation are recorded

6.1.2.2 Block Diagram of Test Setup



6.1.3 Limits of disturbance (Class B)

| | | Maximum RF Line Voltage | | |
|-----------|----------|-------------------------|---------------|--|
| Frequency | | Quasi-Peak Level | Average Level | |
| | | dB(μV) | dB(μV) | |
| 150kHz | ~ 500kHz | 66 ~ 56* | 56 ~ 46* | |
| 500kHz | ~ 5MHz | 56 | 46 | |
| 5MHz | ~ 30MHz | 60 | 50 | |

Note: (1) The tighter limit shall apply at the edge between two frequency bands.

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Report No.: CGZ3170207-00100-EF Page 9 of 24





6.1.4.Block Diagram of Test Setup

6.1.4.1 Block Diagram of connection between EUT and simulators

TXEUT

(EUT: Wireless Sensor Pad Transmitter)

6.1.5.Conduced disturbance Test Equipment

| Condu | ucted Disturbance | | | | |
|-------|-------------------|-----------------|-----------|------------|-----------|
| Item | Test Equipment | Manufacturer | Model No. | Serial No. | Last Cal. |
| 1 | EMI Test Receiver | ROHDE & SCHWARZ | ESHS10 | 842884/012 | 2016/10 |
| 2 | Artificial Mains | ROHDE & SCHWARZ | ESH3-Z5 | 832479/025 | 2016/10 |
| 3 | Pulse Limiter | ROHDE & SCHWARZ | ESHSZ2 | 100301 | 2016/10 |
| 4 | EMI Test Software | ROHDE & SCHWARZ | ESK1 | N/A | 2016/10 |

6.1.6 Test result

| The requirements are | Fulfilled |
|----------------------|--------------------------|
| Band width | 9kHz |
| Frequency range | 0.15kHz - 30 MHz |
| Min. limit margin | >N/A at 0.15MHz - 30 MHz |

Remarks: The EUT power supply by battery, Not applicable.

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Report No.: CGZ3170207-00100-EF Page 10 of 24





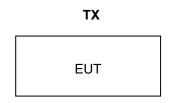
7. TRANSMITTER OUPUT POWER AND SPURIOUS EMISSION (Electric field)

7.1.Test Equipment

| Radiated disturbance (electric field) | | | | | | | |
|---------------------------------------|-------------------|-----------------|------------|------------|-----------|--|--|
| Item | Test Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | | |
| 1 | EMI Test Receiver | ROHDE & SCHWARZ | ESCI | 100868 | 2016/10 | | |
| 2 | Biconical Antenna | ROHDE & SCHWARZ | HK116 | 100221 | 2016/03 | | |
| 3 | Log per Antenna | ROHDE & SCHWARZ | HL223 | 100226 | 2016/03 | | |
| 4 | Log per Antenna | ROHDE & SCHWARZ | HL050 | 100186 | 2016/03 | | |
| 5 | Signal analyzer | ROHDE & SCHWARZ | FSIQ26 | 100311 | 2016/03 | | |
| 6 | Loop Antenna | A.R.A | PLA-1030/B | 1030 | 2016/10 | | |

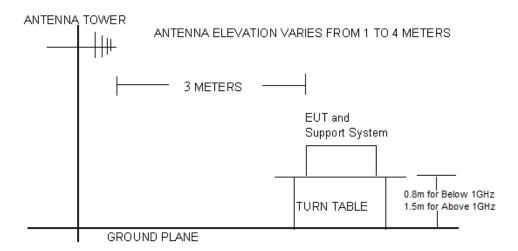
7.2.Block Diagram of Test Setup

7.2.1 Block Diagram of connection between EUT and simulators



(EUT: Wireless Sensor Pad Transmitter)

7.2.2 Anechoic Chamber Setup Diagram



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7.3. Transmitter Output power and Spurious Emissions Limit:

Standard: FCC Part 15:249.

Except as provided in paragraph (a) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

| Fundamental Frequency (MHz) | Field Strength of Fundamental (mV/m) | Field Strength of Harmonics (µV/m) |
|--------------------------------|--------------------------------------|------------------------------------|
| 902-928 | 50 | 500 |
| 2400-2483.5 | 50 | 500 |
| 5725-5875 | 50 | 500 |
| 24000-24250 | 250 | 2500 |

| Frequency (Hz) | Field Strength (μV/m at meter) | Measurement Distance (meter) |
|----------------|-----------------------------------|------------------------------|
| 0.009 - 0.490 | 2400 / F (kHz) | 300 |
| 0.490 – 1.705 | 24000 / F (kHz) | 30 |
| 1.705 – 30.0 | 30 | 30 |
| 30 - 88 | 100** | 3 |
| 88-216 | 150** | 3 |
| 216-960 | 200** | 3 |
| Above 960 | 500 | 3 |

- Remark: (1) Emission level $dB\mu V = 20 \log Emission level \mu V/m$
 - (2) The smaller limit shall apply at the cross point between two frequency bands.
 - (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

7.4.Test Procedure

The EUT and its simulators are placed on a turn table, which is 0.8 meter(1.5m for Above 1GHz) high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on Test. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2009on radiated emission Test.

The frequency range from 30MHz to 1000MHz and above 1GHz. is investigated. Please see the following pages.

All measurements for radiated emissions within the restricted bands were performed using a Quasi-Peak detector with 120kHz RBW below 1GHz and a Peak and Average detector with 1MHz RBW above 1GHz,

All measurements for radiated emissions within the restricted bands were performed using a Quasi-Peak detector with 300kHz VBW below 1GHz and a Peak detector with 1MHz VBW above 1GHz, A average detector with 10Hz VBW above 1GHz.

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Report No.: CGZ3170207-00100-EF Page 12 of 24







Pretest x, y, z position of EUT, final, select the worst case x position test and record the test results in the report.

The test modes (TX Mode) is tested in Anechoic Chamber and all the scanning waveforms are reported on section 7.5

7.5. Radiated Emission Test Results

PASSED.

The frequency range from 9KHz~30MHz,30MHz to 230MHz, 230MHz to 1000MHz and above 1GHz. is investigated. Please see the following pages.

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Report No.: CGZ3170207-00100-EF Page 13 of 24



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Test Mode: TX –X Position Mode Result: □ - passed Frequency range: 9KHz~30MHz □ - not passed

| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. | |
|-----|--|----------------|-------------------|-------------------|-------------------|----------------|------|--|
| | Remark:Other frequency no specific emission form the EUT (Margin > 20dB form the applicable Limit) | | | | | | | |

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Report No.: CGZ3170207-00100-EF Page 14 of 24

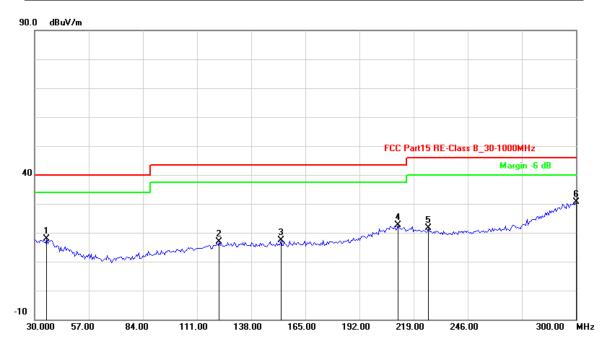






| Test Model: | TX –X | Result: | ■ - passed |
|------------------|-------------|---------|----------------|
| Test point: | Horizontal | | ☐ - not passed |
| Frequency range: | 30MHz~18GHz | | |

| EUT | Wireless Sensor Pad Transmitter | | |
|---------------------|---|--|--|
| Firm Name | Venture Global Ltd. | | |
| Operating Condition | Battery 3V | | |
| Test Condition | Ambient Temperature: 25°C Humidity: 56% | | |
| Test distance | 3 Meter | | |
| Operator | Duke | | |



| No. | Frequency | Factor | Reading (dBuV) | Level | Limit (dBuV/m) | Margin | Det. |
|-----|-----------|--------|-------------------|----------|-------------------|--------|------|
| | (MHz) | (dB) | | (dBuV/m) | | (dB) | |
| 1 | 35.9519 | -16.18 | 34.12 | 17.94 | 40.00 | -22.06 | QP |
| 2 | 121.9839 | -16.62 | 33.42 | 16.80 | 43.50 | -26.70 | QP |
| 3 | 152.8256 | -16.15 | 33.43 | 17.28 | 43.50 | -26.22 | QP |
| 4 | 211.2625 | -10.27 | 32.98 | 22.71 | 43.50 | -20.79 | QP |
| 5 | 226.4128 | -11.55 | 33.08 | 21.53 | 46.00 | -24.47 | QP |
| 6 | 300.0000 | -1.63 | 32.22 | 30.59 | 46.00 | -15.41 | QP |

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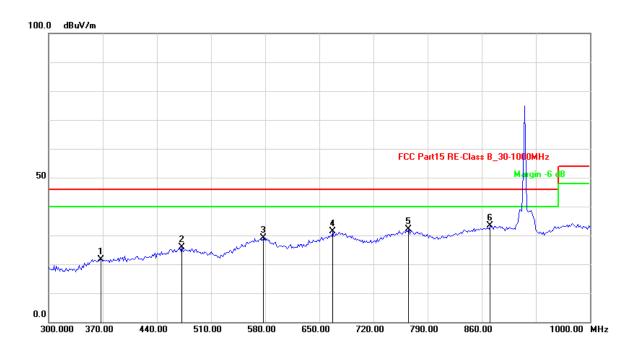
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| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|--------------------|----------------|-------------------|-------------------|-------------------|----------------|------|
| 1 | 914.80000 | -1.22 | 76.10 | 74.88 | 114.00 | -39.12 | Peak |
| 2 | 914.80000 | -1.22 | 72.03 | 70.81 | 94.00 | -23.19 | AVG |

| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|--------------------|----------------|-------------------|-------------------|-------------------|----------------|------|
| 1 | 367.3347 | -10.85 | 32.51 | 21.66 | 46.00 | -24.34 | QP |
| 2 | 472.5451 | -7.54 | 33.47 | 25.93 | 46.00 | -20.07 | QP |
| 3 | 577.7555 | -4.34 | 33.39 | 29.05 | 46.00 | -16.95 | QP |
| 4 | 667.5351 | -2.24 | 33.64 | 31.40 | 46.00 | -14.60 | QP |
| 5 | 765.7315 | -1.36 | 33.43 | 32.07 | 46.00 | -13.93 | QP |
| 6 | 870.9419 | 0.11 | 33.16 | 33.27 | 46.00 | -12.73 | QP |

Above 1GHz

| No. | Frequency | Factor | Reading | Level | Limit | Margin | Det. |
|-----|-----------|--------|---------|----------|----------|--------|------|
| | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 3204.409 | 4.18 | 38.04 | 42.22 | 74.00 | -31.78 | peak |
| 2 | 3204.409 | 4.18 | 27.36 | 31.54 | 54.00 | -22.46 | AVG |
| 3 | 5254.509 | 6.68 | 27.26 | 33.94 | 74.00 | -40.06 | peak |
| 4 | 5254.509 | 6.68 | 38.77 | 45.45 | 54.00 | -8.55 | AVG |

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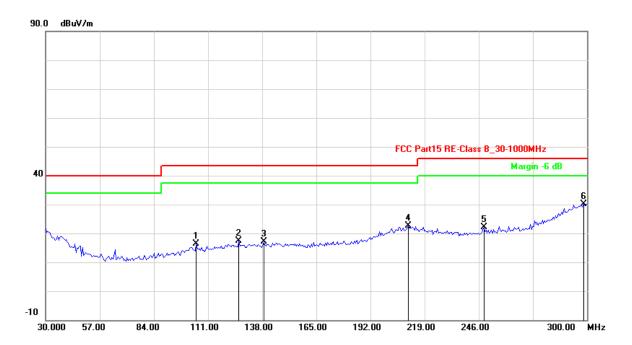
Report No.: CGZ3170207-00100-EF Page 16 of 24







| Test Model: | TX –X | Result: | ■ - passed |
|------------------|-------------|---------|----------------|
| Test point: | Vertical | | □ - not passed |
| Frequency range: | 30MHz~18GHz | | |



| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|--------------------|----------------|-------------------|-------------------|-------------------|----------------|------|
| 1 | 105.2104 | -17.98 | 34.47 | 16.49 | 43.50 | -27.01 | QP |
| 2 | 126.3126 | -16.43 | 33.92 | 17.49 | 43.50 | -26.01 | QP |
| 3 | 138.7575 | -16.32 | 33.33 | 17.01 | 43.50 | -26.49 | QP |
| 4 | 210.7214 | -10.23 | 32.84 | 22.61 | 43.50 | -20.89 | QP |
| 5 | 248.5972 | -11.62 | 33.76 | 22.14 | 46.00 | -23.86 | QP |
| 6 | 298.3768 | -2.06 | 32.24 | 30.18 | 46.00 | -15.82 | QP |

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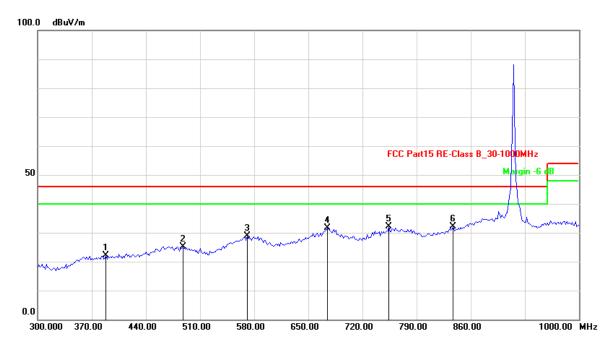
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| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|--------------------|----------------|-------------------|-------------------|-------------------|----------------|------|
| 1 | 914.80000 | -1.22 | 88.42 | 87.20 | 114.00 | -26.80 | Peak |
| 2 | 914.80000 | -1.22 | 82.72 | 81.50 | 94.00 | -12.50 | AVG |

| No. | Frequency | Factor | Reading | Level | Limit | Margin | Det. |
|-----|-----------|--------|---------|----------|----------|--------|------|
| | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dB) | |
| 1 | 388.3768 | -10.73 | 32.97 | 22.24 | 46.00 | -23.76 | QP |
| 2 | 487.9760 | -7.60 | 32.81 | 25.21 | 46.00 | -20.79 | QP |
| 3 | 570.7415 | -4.48 | 33.35 | 28.87 | 46.00 | -17.13 | QP |
| 4 | 674.5490 | -1.87 | 33.39 | 31.52 | 46.00 | -14.48 | QP |
| 5 | 754.5090 | -1.50 | 33.55 | 32.05 | 46.00 | -13.95 | QP |
| 6 | 837.2745 | -1.35 | 33.41 | 32.06 | 46.00 | -13.94 | QP |

Above 1GHz

| No. | Frequency (MHz) | Factor (dB) | Reading (dBuV) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Det. |
|-----|--------------------|----------------|-------------------|-------------------|-------------------|----------------|------|
| 1 | 1815.631 | 3.65 | 50.73 | 54.38 | 74.00 | -19.62 | peak |
| 2 | 1815.631 | 3.65 | 48.18 | 51.83 | 54.00 | -2.17 | AVG |
| 3 | 5541.082 | 7.53 | 39.85 | 47.38 | 74.00 | -26.62 | peak |
| 4 | 5541.082 | 7.53 | 29.03 | 36.56 | 54.00 | -17.44 | AVG |

Note:Level=Reading+Factor. Margin=Level-Limit.

Remark: Others frequency test result margin all >20dB of the limit.

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Report No.: CGZ3170207-00100-EF Page 18 of 24





8. BAND EDGE COMPLIANCE TEST

8.1. Test Equipment

| Band Edge Compliance test | | | | | | |
|---------------------------|-------------------|-----------------|-----------|------------|-----------|--|
| Item | Test Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | |
| 1 | EMI Test Receiver | ROHDE & SCHWARZ | ESCI | 10868 | 2016/10 | |
| 2 | Log per Antenna | ROHDE & SCHWARZ | HL050 | 100186 | 2016/03 | |
| 3 | Signal analyzer | ROHDE & SCHWARZ | FSIQ26 | 100311 | 2016/03 | |
| 4 | Log per Antenna | ROHDE & SCHWARZ | HL223 | 100226 | 2016/03 | |

8.2. Test Information

| EUT | Wireless Sensor Pad Transmitter | |
|----------------|---|--|
| Firm Name | Venture Global Ltd. | |
| Test Condition | Ambient Temperature: 25°C Humidity: 56% | |
| Test distance | 3 Meter | |
| Operator | Duke | |

8.3. Test procedure

- 1. The EUT operates at TX mode. The transmitter channel are tested to verify the largest transmission and spurious emissions power at the continuous transmission mode.
- 2. Max hold the trace of the setp 1,and the EUT operates at Normal test mode to verify the largest spurious emissions power.

8.4. Test Results

PASSED.

The EUT operates at TX test mode. The transmitter channel are tested to verify the band edge emissions.

| | Channel | Test Result Highest Emission (dBuv/m) | | | | | |
|--|---------------------|---------------------------------------|-------|----------|-------|--|--|
| Test Mode | Marked Frequency | Horizontal | | Vertical | | | |
| | | Peak | Limit | Peak | Limit | | |
| TV | 614MHz | 26.47 | 46 | 15.12 | 46 | | |
| TX 960MHz | | 32.56 | 54 | 32.04 | 54 | | |
| Remark: Other Spurious Emissions mini margin all >6 dB of Limit. | | | | | | | |

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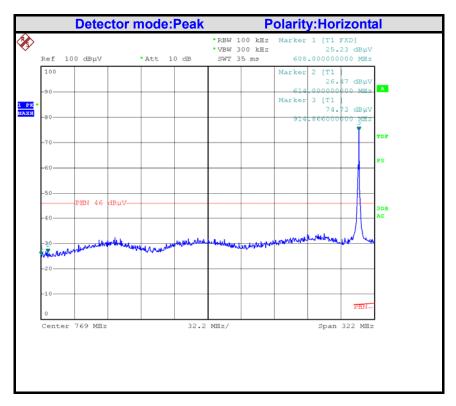
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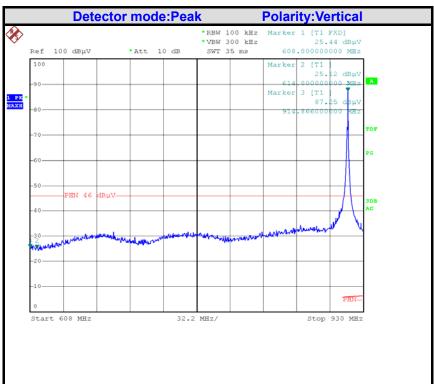
Report No.: CGZ3170207-00100-EF Page 19 of 24





Band Edges (Low)





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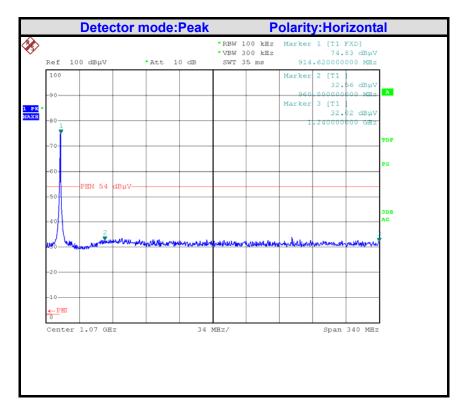
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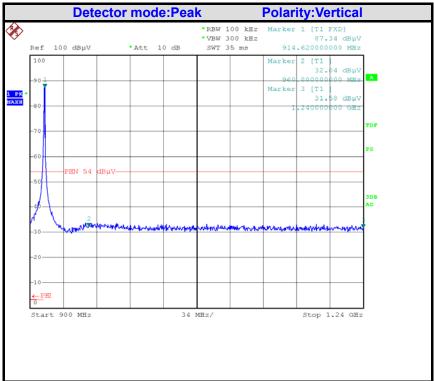
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Band Edges (High)





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9 20 dB Bandwidth test

9.1. Test Equipment

| 20 dB l | 20 dB Bandwidth test | | | | | | |
|---------|----------------------|-----------------|-----------|------------|-----------|--|--|
| Item | Test Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | | |
| 1 | EMI Test Receiver | ROHDE & SCHWARZ | ESCI | 10868 | 2016/10 | | |
| 2 | Log per Antenna | ROHDE & SCHWARZ | HL050 | 100186 | 2016/03 | | |
| 3 | Signal analyzer | ROHDE & SCHWARZ | FSIQ26 | 100311 | 2016/03 | | |

9.2. Test Information

| EUT | Wireless Sensor Pad Transmitter | |
|---------------------|---|--|
| Firm Name | Venture Global Ltd. | |
| Operating Condition | Battery 3V | |
| Test Condition | Ambient Temperature: 25°C Humidity: 56% | |
| Test distance | 3 Meter | |
| Operator | Duke | |

9.3. Test Results

PASSED.

The testing data was attached in the next pages.

| Channel | 20dB Bandwidth | Limit | Test Result |
|---------|----------------|-------|-------------|
| (MHz) | (MHz) | (MHz) | |
| 914.800 | 1.418 | | PASSED |

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Report No.: CGZ3170207-00100-EF Page 22 of 24







Test Plot:



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10.0 Antenna Requirements

10.1 Standard Applicable

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.

10.2 Antenna Construction and Directional Gain

Antenna type: Integral antenna

Antenna Gain: 0dBi

11.0. DEVIATION TO TEST SPECIFICATIONS

The following identical model(s):

N/A

Belong to the tested device:

Product description: Wireless Sensor Pad Transmitter

Model name: SPX-1000

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Report No.: CGZ3170207-00100-EF Page 24 of 24