





RADIO TEST REPORT (EN 301 908-1)

Product: ELECTRON

Model Name: U201

Applicant: Particle Industries,Inc

Address: 126 Post St, 4th floor, San Francisco, CA 94108 USA

Manufacturer: Particle Industries,Inc

Address: 126 Post St, 4th floor, San Francisco, CA 94108 USA

Prepared by: BV 7Layers Communications Technology (Shenzhen) Co. Ltd

Lab Location: No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue,

North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen,

Guangdong, China

TEL: +86 755 8869 6566

FAX: +86 755 8869 6577

E-MAIL: <u>customerservice.dg@cn.bureauveritas.com</u>

Report No.: RE171208W002

Received Date: Dec. 08, 2017

Test Date: Dec. 09, 2017 ~ Jan. 22, 2018

Issued Date: Jan. 23, 2018

This report should not be used by the client to claim product certification, approval, or endorsement by A2LA or any government agencies.

This report is for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents. Unless specific mention, the uncertainty of measurement has been explicitly taken into account to declare the compliance or non-compliance to the specification.

Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



TABLE OF CONTENTS

| R | RELEASE CONTROL RECORD3 | | | | |
|--------|--|---|--|--|--|
| 1 | 1 CERTIFICATION | 4 | | | |
| 2 | 2 SUMMARY OF TEST RESUL | TS5 | | | |
| | | | | | |
| 3 | 3 GENERAL INFORMATION | 8 | | | |
| | 3.2 CONDUCTED POWER 3.3 DESCRIPTION OF TEST | NOF EUT | | | |
| | 3.4 GENERAL DESCRIPTION | OF APPLIED STANDARDS10 | | | |
| | 3.5 DESCRIPTION OF SUPP3.6 CONFIGURATION OF SY | ORT UNITS | | | |
| 4 | 4 TEST TYPES AND RESULTS | 11 | | | |
| | 4.1.1 LIMIT OF RADIATED 4.1.2 TEST PROCEDURES 4.1.3 TEST SETUP 4.1.4 DEVIATION FROM T 4.1.5 TEST RESULTS 4.2 CONTROL AND MONITO 4.2.1 LIMIT OF CONTROL | MISSIONS – IN LINK MODE | | | |
| | 4.2.3 TEST SETUP | S | | | |
| | 4.3.4 TEST SETUP 4.3.4 DEVIATION FROM T 4.3.5 TEST RESULTS | S | | | |
| 5 | 5 PHOTOGRAPHS OF THE TE | ST CONFIGURATION19 | | | |
| 6 B | | NS RECORDERS FOR ENGINEERING CHANGES TO THE EUT | | | |



RELEASE CONTROL RECORD

| ISSUE NO. | REASON FOR CHANGE | DATE ISSUED |
|--------------|-------------------|---------------|
| RE171208W002 | Original release | Jan. 23, 2018 |

Tel: +86 755 8869 6566

BV 7Layers Communications



1 CERTIFICATION

PRODUCT: ELECTRON

BRAND NAME: Particle **MODEL NAME:** U201

APPLICANT: Particle Industries.Inc

TEST DATE: Dec. 09, 2017 ~ Jan. 22, 2018

TEST SAMPLE: Identical Prototype

STANDARD: EN 301 908-1 V11.1.1 (2016-07)

TEST ITEM: RADIATED SPURIOUS EMISSIONS (Clause 4.2.2)

CONTROL AND MONITORING FUNCTIONS

(Clause 4.2.4)

The above equipment has been tested by BV 7Layers Communications Technology (Shenzhen) Co. Ltd and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY: , DATE: Jan. 23, 2018

(Yuqiang Yin/ Engineer)

APPROVED BY: , DATE: Jan. 23, 2018

(Bill Yao / Manager)



2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

| | APPLIED STANDARD: EN 301 908-1 V11.1.1 | | | | |
|---|--|----------------|-----------|--|--|
| STANDARD SUBCLAUSE | TEST TYPE AND LIMIT REMAI | | PASS/FAIL | | |
| CROSS REFER | CROSS REFERENCES FOR USER EQUIPMENT (UE) | | | | |
| 4.2.2 | Radiated emissions | Applicable | Pass | | |
| 4.2.4 | Control and monitoring functions | Applicable | Pass | | |
| CROSS REFERENCES FOR BASE STATIONS (BS) AND REPEATERS | | | | | |
| 4.2.3 | Radiated emissions | Not Applicable | NA | | |

Tel: +86 755 8869 6566



2.1 TEST INSTRUMENTS

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|------------------------------------|---------------|-------------|-------------------------------------|------------|------------|
| Signal Pre-Amplifier | EMSI | EMC 9135 | 980249 | Jul. 24,17 | Jul. 23,18 |
| Signal Pre-Amplifier | EMSI | EMC 012645B | 980257 | Jul. 24,17 | Jul. 23,18 |
| 3m Fully-anechoic Chamber | ETS-LINDGREN | 10m*5m*5m | Euroshieldpn- CT0001143-12 17 | Apr. 15,17 | Apr. 14,18 |
| RS Antenna_LF | Rohde&Schwarz | R&S® HL046E | HL064E | Jun. 26,17 | Jun. 25,18 |
| Horn Antenna | ETS-LINDGREN | 3117 | 00168692 | Nov. 26,16 | Nov. 25,18 |
| EXA Signal Analyzer | KEYSIGHT | N9010A-544 | MY54510335 | Mar. 01,17 | Feb. 28,18 |
| Radio Communication Analyzer | ANRITSU | MT8820C | 6201465426 | Mar. 01,17 | Feb. 28,18 |

NOTE:

- 1. The calibration interval of the above test instruments is 12 months or 24 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
- 2. The test was performed in 3m Fully-anechoic Chamber.
- The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.



2.2 MEASUREMENT UNCERTAINTY

For the test methods, according to the present document, the measurement uncertainty figures shall be calculated and shall correspond to an expansion factor (coverage factor) k = 1,96 (which provides a confidence level of 95 % in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian)). Principles for the calculation of measurement uncertainty are contained in ETSI TR 100 028 [i.3], in particular in annex D of the ETSI TR 100 028-2 [i.3].

Tables 5.2-1 and 5.2-2 are based on such expansion factors.

Table 5.2-1: Maximum measurement uncertainty (UE)

| Parameter | Uncertainty |
|---|-------------|
| Effective radiated RF power between 30 MHz and 180 MHz | ±6 dB |
| Effective radiated RF power between 180 MHz and 12,75 GHz | ±3 dB |
| Conducted RF power | ±1 dB |



3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

| PRODUCT | ELECTRON |
|---------------------|--|
| MODEL NAME | U201 |
| MODULATION TYPE | BPSK,QPSK,16QAM |
| RADIO TECHNOLOGY | WCDMA / HSDPA / HSUPA |
| OPERATING FREQUENCY | WCDMA Band I Tx: 1922.6 ~ 1977.4MHz Rx: 2112.6 ~ 2167.4MHz WCDMA Band VIII Tx: 882.4 ~ 912.6MHz Rx: 927.4MHz ~ 957.6MHz |
| ANTENNA TYPE | Fixed External Antenna |
| MAX. ANTENNA GAIN | -1.52dBi For WCDMA Band I -2.92dBi For WCDMA Band VIII |
| HW VERSION | V005 |
| SW VERSION | 0.6.4 |
| I/O PORTS | Refer to user's manual |
| CABLE SUPPLIED | USB cable: non-shielded, detachable, 0.5 meter |

NOTE:

- 1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
- 2. The EUT matched the following USB cable:

| USB CABLE | | | | |
|--------------|-----------------|--|--|--|
| BRAND: | HOP ELECTRONICS | | | |
| MODEL: | USB-C-15052 | | | |
| SIGNAL LINE: | 0.5 METER | | | |

3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

Page 8 of 20

BV 7Layers Communications

Technology (Shenzhen) Co. Ltd



3.2 CONDUCTED POWER

WCDMA Band I & Band VIII

| Band | WCDMA I | | WCDMA VIII | | | |
|-----------------|---------|-------|------------|-------|-------|-------|
| Channel | 9613 | 9750 | 9887 | 2712 | 2788 | 2863 |
| Rx Channel | 10563 | 10700 | 10837 | 2937 | 3013 | 3088 |
| Frequency | 1922.6 | 1950 | 1977.4 | 882.4 | 897.6 | 912.6 |
| AMR | - | - | - | - | - | - |
| RMC 12.2K | 22.53 | 21.89 | 21.91 | 23.16 | 22.91 | 23.18 |
| HSDPA Subtest-1 | 21.32 | 20.68 | 20.70 | 21.95 | 21.70 | 21.97 |
| HSDPA Subtest-2 | 21.30 | 20.66 | 20.68 | 21.93 | 21.68 | 21.95 |
| HSDPA Subtest-3 | 21.27 | 20.63 | 20.65 | 21.90 | 21.65 | 21.92 |
| HSDPA Subtest-4 | 21.23 | 20.59 | 20.61 | 21.86 | 21.61 | 21.88 |
| HSUPA Subtest-1 | 21.33 | 20.69 | 20.71 | 21.96 | 21.71 | 21.98 |
| HSUPA Subtest-2 | 19.48 | 18.84 | 18.86 | 20.11 | 19.86 | 20.13 |
| HSUPA Subtest-3 | 20.44 | 19.80 | 19.82 | 21.07 | 20.82 | 21.09 |
| HSUPA Subtest-4 | 19.42 | 18.78 | 18.80 | 20.05 | 19.80 | 20.07 |
| HSUPA Subtest-5 | 21.56 | 20.92 | 20.94 | 22.19 | 21.94 | 22.21 |

Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



3.3 DESCRIPTION OF TEST MODES

The EUT was tested under following conditions:

| BAND | OPERATING CONDITIONS | AXIS |
|-----------------|---|---------|
| WCDMA Band I | Linking / Idle mode at middle channel (CH 9750) | X-Plane |
| WCDMA Band VIII | Linking / Idle mode at middle channel (CH 2788) | X-Plane |

NOTE:

3.4 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product. According to the specifications of the manufacturer, it must comply with the requirements of the following standard:

EN 301 908-1 V11.1.1 (2016-07)

All tests have been performed and recorded as per the above standard.

3.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together without any other necessary accessories or support units.

| NO. | PRODUCT | BRAND | MODEL NO. | SERIAL NO. | FCC ID |
|-----|---------|--------|-----------|------------|--------|
| 1 | Desktop | Lenovo | M73 SFF | PC04GRQV | N/A |
| 2 | Adapter | N/A | N/A | N/A | N/A |

| NO. | SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS | | | |
|-----|---|--|--|--|
| 1 | AC Line: Unshielded, Detachable 1.5m | | | |
| 2 | DC 5.0V | | | |

3.6 CONFIGURATION OF SYSTEM UNDER TEST

Please see section 5 photograph of the test configuration for reference.

^{1.} Since the EUT is considered a portable unit, it was pre-tested on the positioned of each 3 axis. Only the worst case was present in this report positioned.



TEST TYPES AND RESULTS

4.1 RADIATED SPURIOUS EMISSIONS – IN LINK MODE

4.1.1 LIMIT OF RADIATED SPURIOUS EMISSIONS - IN LINK MODE

| FREQUENCY RANGE | FREQUENCIES BELOW 1GHz | FREQUENCIES ABOVE 1GHz |
|-----------------|---------------------------|---------------------------|
| Limit value | 250nW (–36dBm/100KHz) | 1μW (-30dBm/1MHz) |

4.1.2 TEST PROCEDURES

Whenever possible the test site should be a fully anechoic chamber simulating the free-space conditions. EUT shall be placed on a non-conducting support. Mean power of any spurious components shall be detected by the test antenna and measuring receiver (e.g. a spectrum analyser).

Measurements are made with a tuned dipole antenna or a reference antenna with a known gain referenced to an isotropic antenna. Unless otherwise stated, all measurements are done as mean power (RMS).

4.1.3 TEST SETUP

For the actual test configuration, please refer to the related Item in this test report (Photographs of the Test Configuration).

4.1.4 DEVIATION FROM TEST STANDARD

No deviation

Page 11 of 20



4.1.5 TEST RESULTS

Note: For higher frequency, the emission is too low to be detected.

LINKING MODE AT MIDDLE CHANNEL WCDMA B1

| FREQUENCY RANGE | 30 ~ 12750 MHz | TEST VOLTAGE | 230Vac, 50Hz | |
|--------------------------|--|--------------|--------------|--|
| ENVIRONMENTAL CONDITIONS | 25deg.C,55%RH | TESTED BY | Alex Chen | |
| OPERATING CONDITIONS | Linking mode at middle channel (CH 9750) | | | |

| SPURIOUS EMISSION LEVEL | | | | |
|-------------------------|-------------------------|-----------------|----------------|----------------|
| Frequency (MHz) | Antenna Polarization | Level (dBm) | Limit (dBm) | Margin (dB) |
| 31.94 | Н | -70.16 | -36 | -34.16 |
| 150.28 | Н | -81.04 | -36 | -45.04 |
| 292.87 | Н | -72.54 | -36 | -36.54 |
| 375.32 | Н | -67.78 | -36 | -31.78 |
| 534.4 | Н | -69.54 | -36 | -33.54 |
| 614.91 | Н | -75.35 | -36 | -39.35 |
| 3901.86 | Н | -48.22 | -30 | -18.22 |
| 5850.63 | Н | -47.69 | -30 | -17.69 |
| | SPURI | OUS EMISSION LE | VEL | |
| Frequency (MHz) | Antenna Polarization | Level (dBm) | Limit (dBm) | Margin (dB) |
| 32.91 | V | -68.98 | -36 | -32.98 |
| 150.28 | V | -81.14 | -36 | -45.14 |
| 292.87 | V | -71.18 | -36 | -35.18 |
| 397.63 | V | -66.95 | -36 | -30.95 |
| 534.4 | V | -69.25 | -36 | -33.25 |
| 637.22 | V | -75.25 | -36 | -39.25 |
| 3897.78 | V | -50.11 | -30 | -20.11 |
| 5852.82 | V | -47.28 | -30 | -17.28 |

Fax: +86 755 8869 6577

Tel: +86 755 8869 6566



LINKING MODE AT MIDDLE CHANNEL WCDMA B8

| FREQUENCY RANGE | 30 ~ 12750 MHz | TEST VOLTAGE | 230Vac, 50Hz |
|--------------------------|--|--------------|--------------|
| ENVIRONMENTAL CONDITIONS | 25deg.C,55%RH | TESTED BY | Alex Chen |
| OPERATING CONDITIONS | Linking mode at middle channel (CH 2788) | | |

| | SPURIOUS EMISSION LEVEL | | | | | |
|--------------------|-------------------------|-------------------|----------------|----------------|--|--|
| Frequency (MHz) | Antenna Polarization | Level (dBm) | Limit (dBm) | Margin (dB) | | |
| 32.91 | Н | -70.05 | -36 | -34.05 | | |
| 157.07 | Н | -79.91 | -36 | -43.91 | | |
| 295.78 | Н | -70.45 | -36 | -34.45 | | |
| 397.63 | Н | -66.64 | -36 | -30.64 | | |
| 534.4 | Н | -70.57 | -36 | -34.57 | | |
| 790.48 | Н | -76.09 | -36 | -40.09 | | |
| 1792.56 | Н | -34.69 | -30 | -4.69 | | |
| 2689.86 | Н | -50.41 | -30 | -20.41 | | |
| | SPUF | RIOUS EMISSION LE | VEL | | | |
| Frequency (MHz) | Antenna Polarization | Level (dBm) | Limit (dBm) | Margin (dB) | | |
| 32.91 | V | -69.28 | -36 | -33.28 | | |
| 120.21 | V | -83.17 | -36 | -47.17 | | |
| 359.8 | V | -68.26 | -36 | -32.26 | | |
| 442.25 | V | -72.08 | -36 | -36.08 | | |
| 534.4 | V | -71.64 | -36 | -35.64 | | |
| 614.91 | V | -78.27 | -36 | -42.27 | | |
| 1792.77 | V | -35.48 | -30 | -5.48 | | |
| 2696.35 | V | -50.86 | -30 | -20.86 | | |

Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



4.2 CONTROL AND MONITORING FUNCTIONS (UE)

4.2.1 LIMIT OF CONTROL AND MONITORING FUNCTIONS (UE)

The maximum measured power during the duration of the test shall not exceed -30 dBm.

4.2.2 TEST PROCEDURES

At the start of the test, the UE shall be switched off. The UE antenna connector shall be connected to a power. The UE shall be switched on for a period of approximately fifteen minutes, and then switched off. The EUT shall remain switched off for a period of at least thirty seconds, and shall then be switched on for a period of approximately one minute. The maximum power emitted from the UE throughout the duration of the test shall be recorded.

4.2.3 TEST SETUP



4.2.4 DEVIATION FROM TEST STANDARD

No deviation

Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



4.2.5 TEST RESULTS

WCDMA B1

| TEST VOLTAGE | 1230\/ac 50Hz | ENVIRONMENTAL CONDITIONS | 25deg.C, 54%RH |
|----------------------|-----------------------|--------------------------|----------------|
| OPERATING CONDITIONS | Mid channel (CH 9750) | TESTED BY | Yuqiang Yin |

| THE MAXIMUM MEASURED POWER DURING THE DURATION OF THE TEST LEVEL | | | | |
|--|-------------------------------|-------------|--------|--|
| TEST TIMES | MEASUREMENT POWER LEVEL (dBm) | LIMIT (dBm) | RESULT | |
| 1 | -62.70 | -30.0 | PASS | |
| 2 | -62.83 | -30.0 | PASS | |
| 3 | -62.67 | -30.0 | PASS | |
| 4 | -62.36 | -30.0 | PASS | |
| 5 | -62.45 | -30.0 | PASS | |

WCDMA B8

| TEST VOLTAGE | 1230Vac 50Hz | ENVIRONMENTAL CONDITIONS | 25deg.C, 54%RH |
|----------------------|-----------------------|--------------------------|----------------|
| OPERATING CONDITIONS | Mid channel (CH 2788) | TESTED BY | Yuqiang Yin |

| THE MAXIMUM MEASURED POWER DURING THE DURATION OF THE TEST LEVEL | | | | |
|--|-------------------------------|-------------|--------|--|
| TEST TIMES | MEASUREMENT POWER LEVEL (dBm) | LIMIT (dBm) | RESULT | |
| 1 | -62.69 | -30.0 | PASS | |
| 2 | -62.44 | -30.0 | PASS | |
| 3 | -62.58 | -30.0 | PASS | |
| 4 | -62.62 | -30.0 | PASS | |
| 5 | -62.71 | -30.0 | PASS | |



4.3 RADIATED SPURIOUS EMISSIONS – IN IDLE MODE

4.3.1 LIMIT OF RADIATED SPURIOUS EMISSIONS - IN IDLE MODE

| FREQUENCY RANGE | FREQUENCIES BELOW 1GHz | OTHER FREQUENCIES ABOVE 1GHz |
|-----------------|---------------------------|---------------------------------|
| Limit value | -57dBm/100KHz | -47dBm/1MHz |

4.3.2 TEST PROCEDURES

Whenever possible the test site should be a fully anechoic chamber simulating the free-space conditions. EUT shall be placed on a non-conducting support. Mean power of any spurious components shall be detected by the test antenna and measuring receiver (e.g. a spectrum analyser).

Measurements are made with a tuned dipole antenna or a reference antenna with a known gain referenced to an isotropic antenna. Unless otherwise stated, all measurements are done as mean power (RMS).

4.3.3 **TEST SETUP**

For the actual test configuration, please refer to the related Item in this test report (Photographs of the Test Configuration).

4.3.4 DEVIATION FROM TEST STANDARD

No deviation

Fax: +86 755 8869 6577

Tel: +86 755 8869 6566



4.3.5 TEST RESULTS

Note: For higher frequency, the emission is too low to be detected.

IDLE MODE AT MIDDLE CHANNEL WCDMA B1

| FREQUENCY RANGE | 30 ~ 12750 MHz | TEST VOLTAGE | 230Vac, 50Hz |
|--------------------------|---------------------------------------|--------------|--------------|
| ENVIRONMENTAL CONDITIONS | 25deg.C,55%RH | TESTED BY | Alex Chen |
| OPERATING CONDITIONS | Idle mode at middle channel (CH 9750) | | |

| | SPURIOUS EMISSION LEVEL | | | | |
|--------------------|-------------------------|------------------|----------------|----------------|--|
| Frequency (MHz) | Antenna Polarization | Level (dBm) | Limit (dBm) | Margin (dB) | |
| 32.91 | Н | -71.1 | -57 | -14.1 | |
| 150.28 | Н | -85.62 | -57 | -28.62 | |
| 266.68 | Н | -79.39 | -57 | -22.39 | |
| 359.8 | Н | -68.13 | -57 | -11.13 | |
| 534.4 | Н | -70.41 | -57 | -13.41 | |
| 667.29 | Н | -76.27 | -57 | -19.27 | |
| 3808.25 | Н | -61.16 | -47 | -14.16 | |
| 6898.5 | Н | -55.34 | -47 | -8.34 | |
| | SPUF | RIOUS EMISSION L | EVEL | • | |
| Frequency (MHz) | Antenna Polarization | Level (dBm) | Limit (dBm) | Margin (dB) | |
| 32.91 | V | -69.91 | -57 | -12.91 | |
| 150.28 | V | -84.64 | -57 | -27.64 | |
| 267.65 | V | -78.33 | -57 | -21.33 | |
| 375.32 | V | -69.32 | -57 | -12.32 | |
| 535.37 | V | -70.55 | -57 | -13.55 | |
| 614.91 | V | -74.26 | -57 | -17.26 | |
| 3150.25 | V | -61.56 | -47 | -14.56 | |
| 7392 | V | -55.55 | -47 | -8.55 | |

Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



IDLE MODE AT MIDDLE CHANNEL WCDMA B8

| FREQUENCY RANGE | 30 ~ 12750 MHz | TEST VOLTAGE | 230Vac, 50Hz |
|--------------------------|---------------------------------------|--------------|--------------|
| ENVIRONMENTAL CONDITIONS | 25deg.C,55%RH | TESTED BY | Alex Chen |
| OPERATING CONDITIONS | Idle mode at middle channel (CH 2788) | | |

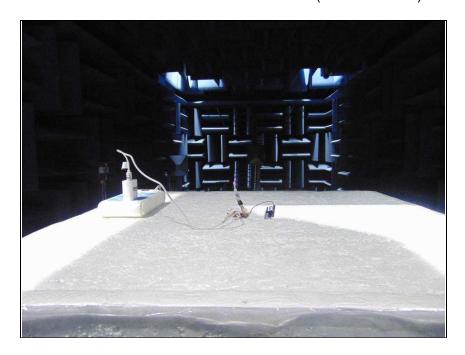
| SPURIOUS EMISSION LEVEL | | | | |
|-------------------------|-------------------------|-----------------|----------------|----------------|
| Frequency (MHz) | Antenna Polarization | Level (dBm) | Limit (dBm) | Margin (dB) |
| 32.91 | Н | -66.69 | -57 | -9.69 |
| 157.07 | Н | -80.98 | -57 | -23.98 |
| 295.78 | Н | -70.47 | -57 | -13.47 |
| 397.63 | Н | -66.29 | -57 | -9.29 |
| 534.4 | Н | -68.87 | -57 | -11.87 |
| 802.12 | Н | -77.4 | -57 | -20.4 |
| 3397 | Н | -60.12 | -47 | -13.12 |
| 7697.5 | Н | -55.15 | -47 | -8.15 |
| | SPUR | IOUS EMISSION L | EVEL | |
| Frequency (MHz) | Antenna Polarization | Level (dBm) | Limit (dBm) | Margin (dB) |
| 31.94 | V | -69.82 | -57 | -12.82 |
| 120.21 | V | -83.95 | -57 | -26.95 |
| 359.8 | V | -68.18 | -57 | -11.18 |
| 397.63 | V | -67.18 | -57 | -10.18 |
| 534.4 | V | -71.41 | -57 | -14.41 |
| 637.22 | V | -78.44 | -57 | -21.44 |
| 3185.5 | V | -62.1 | -47 | -15.1 |
| 7157 | V | -55.19 | -47 | -8.19 |

Tel: +86 755 8869 6566 Fax: +86 755 8869 6577

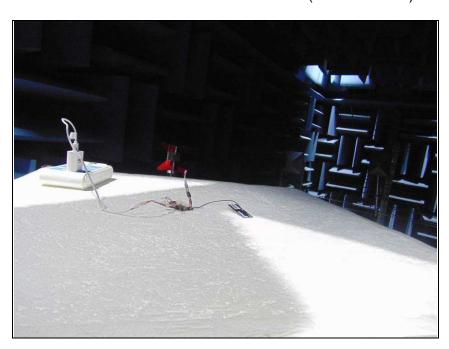


5 PHOTOGRAPHS OF THE TEST CONFIGURATION

LINK AND IDLE SPURIOUS EMISSION (BELOW 1GHz)



LINK AND IDLE SPURIOUS EMISSION (ABOVE 1GHZ)



BV 7Layers Communications Technology (Shenzhen) Co. Ltd No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China Tel: +86 755 8869 6566 Fax: +86 755 8869 6577



6 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications were made to the EUT by the lab during the test.

--- END ---

Email: customerservice.dg@cn.bureauveritas.com

Tel: +86 755 8869 6566

Fax: +86 755 8869 6577