FCC Test Report

APPLICANT : BLU Products, Inc.

EQUIPMENT: Mobile phone

BRAND NAME : BLU

MODEL NAME : ENERGY JR

FCC ID : YHLBLUENERGYJR

STANDARD : FCC 47 CFR FCC Part 15 Subpart B

CLASSIFICATION: Certification

The product was received on Mar. 11, 2016 and testing was completed on Apr. 09, 2016. We, SPORTON INTERNATIONAL (SHENZHEN) INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2014 and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL (SHENZHEN) INC., the test report shall not be reproduced except in full.

Prepared by: Ken Chen / Manager

Van Chen

Approved by: Jones Tsai / Manager

SPORTON INTERNATIONAL (SHENZHEN) INC.

1F & 2F, Building A, Morning Business Center, No. 4003 ShiGu Rd., Xili Town, Nanshan District, Shenzhen, Guangdong, P. R. China

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Testing Laboratory

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REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|------------|---------|-------------------------|---------------|
| FC631106 | Rev. 01 | Initial issue of report | Apr. 13, 2016 |
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SUMMARY OF TEST RESULT

| Report Section | FCC Rule | IC Rule | Description | Limit | Result | Remark |
|-------------------|----------|------------------------|-----------------------|---|--------|---|
| 3.1 | 15.107 | ICES003 Section 6.1 | AC Conducted Emission | < 15.107 limits < ICES003 6.1 limits | PASS | Under limit 14.22 dB at 0.410 MHz |
| 3.2 | 15.109 | ICES003 Section 6.2 | Radiated Emission | < 15.109 limits < ICES003 6.2 limits | PASS | Under limit 0.04 dB at 33.240 MHz for Quasi-Peak |

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1. General Description

1.1. Applicant

BLU Products, Inc.

10814 NW 33rd St # 100 Doral, FL 33172

1.2. Manufacturer

BLU Products, Inc.

10814 NW 33rd St # 100 Doral, FL 33172

1.3. Product Feature of Equipment Under Test

| | Product Feature |
|---------------------------------|--|
| Equipment | Mobile phone |
| Brand Name | BLU |
| Model Name | ENERGY JR |
| FCC ID | YHLBLUENERGYJR |
| | GSM/GPRS |
| FUT augusta Dadica annication | WLAN2.4GHz 802.11b/g/n HT20/HT40 |
| EUT supports Radios application | Bluetooth v3.0+EDR |
| | Bluetooth v4.0 LE |
| IMEI Code | Conduction: 351171053544152/35117053544160 |
| I IWEI Code | Radiation: 351771053544194/351771053544202 |
| HW Version | S4025-MB-V1.0 |
| SW Version | BLU_E070_V01_GENERIC_160310_1625 |
| EUT Stage | Production Unit |

Remark:

The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

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1.4. Product Specification of Equipment Under Test

| Standards-related Product Specification | | | | |
|---|---|--|--|--|
| | GSM850: 824.2 MHz ~ 848.8 MHz | | | |
| Ty Fraguency | GSM1900: 1850.2 MHz ~ 1909.8MHz | | | |
| Tx Frequency | 802.11b/g/n: 2412 MHz ~ 2462 MHz | | | |
| | Bluetooth: 2402 MHz ~ 2480 MHz | | | |
| | GSM850: 869.2 MHz ~ 893.8 MHz | | | |
| Dy Fraguency | GSM1900: 1930.2 MHz ~ 1989.8 MHz | | | |
| Rx Frequency | 802.11b/g/n: 2412 MHz ~ 2462 MHz | | | |
| | Bluetooth: 2402 MHz ~ 2480 MHz | | | |
| | WWAN: IFA Antenna | | | |
| Antenna Type | WLAN: PIFA Antenna | | | |
| | Bluetooth : PIFA Antenna | | | |
| | GSM: GMSK | | | |
| | GPRS: GMSK | | | |
| | 802.11b: DSSS (DBPSK / DQPSK / CCK) | | | |
| Type of Medulation | 802.11g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) | | | |
| Type of Modulation | Bluetooth LE : GFSK | | | |
| | Bluetooth (1Mbps) : GFSK | | | |
| | Bluetooth (2Mbps) : π /4-DQPSK | | | |
| | Bluetooth (3Mbps): 8-DPSK | | | |

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1.5. Modification of EUT

No modifications are made to the EUT during all test items.

1.6. Test Location

| Test Site | SPORTON INTERNATIONAL (SHENZHEN) INC. | | | | |
|--------------------|---|--|--|--|--|
| | 1F & 2F,Building A, Morning Business Center, No. 4003 ShiGu Rd., Xili Town, | | | | |
| | Nanshan District, Shenzhen, Guangdong, P. R. China | | | | |
| Test Site Location | TEL: +86-755-8637-9589 | | | | |
| | FAX: +86-755-8637-9595 | | | | |
| Took Cita No | Sporton Site No. | | | | |
| Test Site No. | CO01-SZ | | | | |

| Test Site | SPORTON INTERNATIONAL (SHENZHEN) INC. | | | | |
|--------------------|--|--------------|--|--|--|
| Test Site Location | No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan warehouse, Nanshan District, Shenzhen, Guangdong, P. R. China | | | | |
| | TEL: +86-755- 3320-2398 | | | | |
| Took Cita No | Sporton Site No. FCC/IC Registration No. | | | | |
| Test Site No. | 03CH02-SZ | 566869/4086F | | | |

1.7. Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC 47 CFR FCC Part 15 Subpart B
- ANSI C63.4-2014
- IC ICES-003 Issue 6
- IC RSS-Gen Issue 4

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

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2. Test Configuration of Equipment Under Test

2.1. Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2014 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

Frequency range investigated: conduction (150 kHz to 30 MHz), radiation (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

The following tables are showing the test modes as the worst cases and recorded in this report.

| | | Te | st Condition | on |
|------|---|----|--------------|--------------|
| Item | EUT Configuration | | EMI RE<1G | EMI RE≥1G |
| 1. | Charging Mode (EUT with adapter) | | | |
| 2. | Data application transferred mode (EUT with notebook) | | \boxtimes | \boxtimes |

Abbreviations:

EMI AC: AC conducted emissions

• EMI RE ≥ 1G: EUT radiated emissions ≥ 1GHz

EMI RE < 1G: EUT radiated emissions < 1GHz

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| Test Items | EUT Configure Mode | Function Type |
|------------------------------|--------------------------|--|
| | | Mode 1: GSM1900 Idle + Bluetooth Idle + WLAN Idle + Adapter + Battery + Earphone + Camera(Front) + SIM1 <fig.1></fig.1> |
| AC Conducted | | Mode 2: GSM850 Idle + Bluetooth Idle + WLAN Idle + Adapter + Battery + Earphone + Camera(Back) + SIM2 <fig.1></fig.1> |
| Emission | 1/2 | Mode 3: GSM1900 Idle + Bluetooth Idle + WLAN Idle + Adapter + Battery + Earphone + MPEG4 + SIM1 <fig.1></fig.1> |
| | | Mode 4: GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Battery + Earphone + SD Card + SIM2 <fig.2></fig.2> |
| | 1/2 | Mode 1: GSM1900 Idle + Bluetooth Idle + WLAN Idle + Adapter + Battery + Earphone + Camera(Front) + SIM1 <fig.1></fig.1> |
| Dadioted | | Mode 2: GSM850 Idle + Bluetooth Idle + WLAN Idle + Adapter + Battery + Earphone + Camera(Back) + SIM2 <fig.1></fig.1> |
| Radiated Emissions < 1GHz | | Mode 3: GSM1900 Idle + Bluetooth Idle + WLAN Idle + Adapter + Battery + Earphone + MPEG4 + SIM1 <fig.1></fig.1> |
| | | Mode 4: GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Battery + Earphone + SD Card + SIM2 <fig.2></fig.2> |
| Dedicted | 1/2 | Mode 1: GSM1900 Idle + Bluetooth Idle + WLAN Idle + Adapter + Battery + Earphone + MPEG4 + SIM1 <fig.1></fig.1> |
| Radiated Emissions ≥ 1GHz | | Mode 2: GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with Notebook) + Battery + Earphone + SD Card + SIM2 <fig.2></fig.2> |

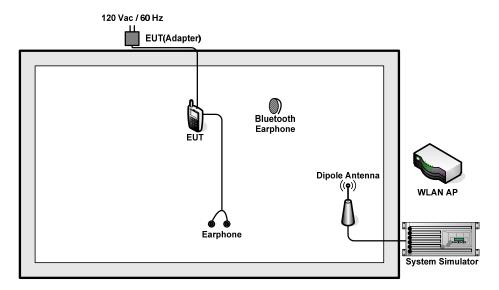
Remark:

- 1. The worst case of AC is mode 2; and the USB Link mode of AC is mode 4, the test data of these modes were reported.
- 2. The worst case of RE < 1G is mode 3; and the USB Link mode of RE is mode 4, the test data of these modes were reported.
- **3.** Data Link with Notebook means data application transferred mode between EUT and Notebook.

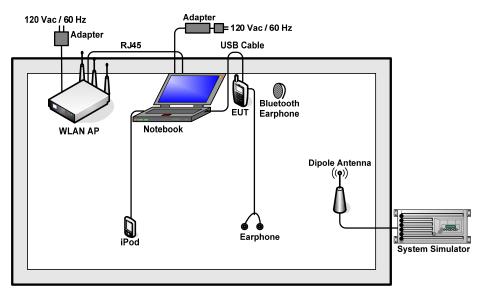
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2.2. Connection Diagram of Test System



<Fig.1>



<Fig.2>

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2.3. Support Unit used in test configuration and system

| Item | Equipment | Trade Name | Model Name | FCC ID | Data Cable | Power Cord |
|------|-----------------------|------------|------------|-------------|-------------------|--|
| 1. | System Simulator | Anritsu | MT8820C | N/A | N/A | Unshielded, 1.8 m |
| 2. | WLAN AP | ASUS | RT-AC66U | MSQ-RTAC66U | N/A | Unshielded, 2.7 m |
| 3. | Bluetooth Earphone | Nokia | BH-108 | PYAHS-107W | N/A | N/A |
| 4. | Bluetooth Earphone | Samsung | HS3000 | A3LHS3000 | N/A | N/A |
| 5. | Notebook | Lenovo | E540 | FCC DoC | N/A | AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m |
| 6. | SD Card | SanDisk | 4G class 4 | FCC DoC | N/A | N/A |
| 7. | iPod nano 8GB | Apple | MC690 ZP/A | FCC DoC | Shielded, 1.2 m | N/A |
| 8. | iPod | Apple | MC525 ZP/A | FCC DoC | Shielded, 1.0 m | N/A |
| 9. | iPod Earphone | Apple | MC690 ZP/A | N/A | Unshielded, 1.0 m | N/A |
| 10. | USB Cable | Motorola | SKN6378A | N/A | Unshielded, 1.0 m | N/A |

2.4. EUT Operation Test Setup

The EUT was in GSM idle mode during the testing. The EUT was synchronized to the BCCH, and is in continuous receiving mode by setting system simulator's paging reorganization.

At the same time, the EUT was attached to the Bluetooth earphone or WLAN AP, and the following programs installed in the EUT were programmed during the test.

- 1. Data application is transferred between Notebook and EUT via USB cable.
- 2. Execute "Video player" to play MPEG4 files.
- 3. Turn on camera to capture images.

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3. Test Result

3.1. Test of AC Conducted Emission Measurement

3.1.1 Limits of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

| Frequency of emission | Conducted | limit (dBuV) |
|-----------------------|------------|--------------|
| (MHz) | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56* | 56 to 46* |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

^{*}Decreases with the logarithm of the frequency.

3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedure

- The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other LISN.
- 4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- 6. Both sides of AC line were checked for maximum conducted interference.
- 7. The frequency range from 150 kHz to 30 MHz was searched.
- 8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

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3.1.4 Test Setup

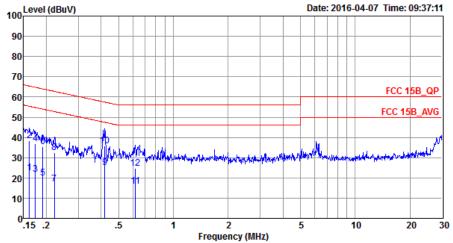


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3.1.5 Test Result of AC Conducted Emission

| Test Mode : | Mode 2 | Temperature : | 21~23℃ |
|-----------------|---|---------------------|-----------------------------|
| Test Engineer : | Tao Cheng | Relative Humidity : | 41~43% |
| Test Voltage : | 120Vac / 60Hz | Phase : | Line |
| Function Type | GSM850 Idle + Bluetooth Idle + WLAN Idle + Adapter + Battery + Earphone + | | |
| Function Type : | Camera(Back) + SIM2 | | |
| | ovol (dDu\/) | Date | · 2016-04-07 Time· 09·37·11 |



Site : CO01-SZ

Condition: FCC 15B_QP LISN_L_20160112 LINE

Project : (FC)631106 Mode : Mode 2

IMEI : 351171053544152/35117053544160

| | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark |
|------|------|-------|---------------|---------------|---------------|----------------|---------------|---------|
| | MHz | dBu₹ | dB | dBu∇ | dBu∀ | dB | dB | |
| 1 | 0.16 | 22.60 | -32.78 | 55.38 | 11.81 | 0.45 | 10.34 | Average |
| 2 | 0.16 | 38.40 | -26.98 | 65.38 | 27.61 | 0.45 | 10.34 | QP |
| 3 | 0.17 | 21.90 | -32.87 | 54.77 | 11.09 | 0.48 | 10.33 | Average |
| 4 | 0.17 | 36.90 | -27.87 | 64.77 | 26.09 | 0.48 | 10.33 | QP |
| 5 | 0.19 | 19.81 | -34.17 | 53.98 | 9.00 | 0.51 | 10.30 | Average |
| 6 | 0.19 | 35.41 | -28.57 | 63.98 | 24.60 | 0.51 | 10.30 | QP |
| 7 | 0.22 | 17.00 | -35.74 | 52.74 | 6.20 | 0.53 | 10.27 | Average |
| 8 | 0.22 | 32.40 | -30.34 | 62.74 | 21.60 | 0.53 | 10.27 | QP |
| 9 | 0.42 | 24.94 | -22.52 | 47.46 | 14.20 | 0.57 | 10.17 | Average |
| 10 * | 0.42 | 35.64 | -21.82 | 57.46 | 24.90 | 0.57 | 10.17 | QP |
| 11 | 0.62 | 16.04 | -29.96 | 46.00 | 5.30 | 0.59 | 10.15 | Average |
| 12 | 0.62 | 24.74 | -31.26 | 56.00 | 14.00 | 0.59 | 10.15 | QP |

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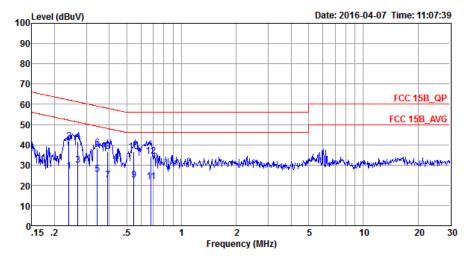
| Test Mode : | Mode 2 | | | Tem | peratur | e: | 21~23°C | | | | |
|--|--|--|--|--|--|--|---|--|--------------|--------|--|
| Test Engineer : | Tao Chen | g | | Rela | tive Hu | midity: | 41~43% | | | | |
| Test Voltage : | 120Vac / | 60Hz | | Phas | se: | | Neutra | Neutral | | | |
| | GSM850 | ldle + I | Bluetoot | h Idle + | WLAN | Idle + A | dapter | + Batter | y + E | arphor | |
| Function Type : | Camera(E | Back) + | SIM2 | | | | • | | | | |
| 400 | Level (dBuV) | | | | | Dat | te: 2016-0 | 4-07 Time: 0 | 9:41:17 | | |
| | | | | | | | | | | | |
| 90 | | | | | | | | | | | |
| 80 | | | | | | | | | | | |
| 70 | | | | | | | | | | | |
| 60 | | | | | | | | FCC 1 | 5B_QP | | |
| | | - | | | | | | FCC 15 | B AVG | | |
| 50 | | 4 | | | | | | . 55 15 | | | |
| 40 | ZY Maria | <u>п.</u> Пл | are deep | nd | | | | | | | |
| 30 | - Annual Andreway | Markhan | √ 16 "₩₩¶₩₩ | nervi kalleriya milale | NA CONTRACTOR | MANA PROPERTY OF | helis hijihaa | Hillander | الهململيديان | | |
| 20 | 1 | | 5 19 | | | | | | | | |
| 20 | | | | | | | | | | | |
| | | | | | | | | | | | |
| 10 | | | | | | | | | | | |
| | | 5 | | | 2 | 5 | 10 |) 2 | n 3 | 0 | |
| | .15 .2 | .5 | 1 | | 2 ency (MHz) | 5) | 10 |) 2 | 0 3 | 0 | |
| | | | 1 | | _ | _ | 10 |) 2 | 0 3 | 0 | |
| 0 Site Conditi | .15 .2 : CO01-S on: FCC 15 | SZ SB_QP LI: | | Frequ | ency (MHz) | _ | 10 |) 2 | 0 3 | 0 | |
| Site Conditi Project | .15 .2 : CO01-S on: FCC 15 : (FC) 63 | 3Z 3B_QP LI: 31106 | | Frequ | ency (MHz) | _ | 10 |) 2 | 0 3 | 0 | |
| 0 Site Conditi | : CO01-S on: FCC 15 : (FC) 63 : Mode 2 | SZ SB_QP LI: 81106 | SN_N_201 | Frequ | ency (MHz) | _ | 10 |) 2 | 0 3 | 0 | |
| Site Conditi Project Mode | : CO01-S on: FCC 15 : (FC) 63 : Mode 2 | SZ SB_QP LI: 81106 | SN_N_201 | Frequ | ency (MHz) |) | |) 2 | 0 3 | 0 | |
| Site Conditi Project Mode | : CO01-S on: FCC 15 : (FC) 63 : Mode 2 : 351171 | SZ SB_QP LI: S1106 ! .0535441 | SN_N_201 | Frequ 60112 NE 05354416 Limit | ency (MHz) UTRAL O Read |) | Cable |) 2 | 0 3 | 0 | |
| Site Conditi Project Mode | : CO01-S on: FCC 15 : (FC) 63 : Mode 2 : 351171 | SZ SB_QP LI: S1106 ! .0535441 | SN_N_201 52/35117 Over | Frequ 60112 NE 05354416 Limit | ency (MHz) UTRAL O Read | LISN | Cable | | 0 3 | 0 | |
| Site Conditi Project Mode | 15 .2 : CO01-S on: FCC 15 : (FC) 63 : Mode 2 : 351171 Freq | 6Z 6B_QP LI: 11106 1. 0535441: Level — dBuV | SN_N_201 52/35117 Over Limit | Frequ 60112 NE 05354416 Limit Line dBuV | UTRAL Read Level dBuV | LISN Factor | Cable Loss dB | | | 0 | |
| Site Conditi Project Mode IMEI | 15 .2 : CO01-S on: FCC 15 : (FC) 63 : Mode 2 : 351171 Freq MHz 0.18 0.18 | 5Z 5B_QP LI: 51106 .0535441: Level dBuV 22.61 36.31 | 5N_N_201 52/35117 Over Limit | Frequ 60112 NE 05354416 Limit Line dBuV 54.64 64.64 | UTRAL Read Level dBuV 11.81 25.51 | LISN Factor dB 0.48 0.48 | Cable Loss dB 10.32 10.32 | Remark Average | | 0 | |
| Site Conditi Project Mode IMEI | 15 .2 : CO01-S on: FCC 15 : (FC) 63 : Mode 2 : 351171 Freq MHz 0.18 0.18 0.41 | BE QF LI: 01106 0535441: Level dBuV 22.61 36.31 33.33 | 5N_N_201 52/35117 Over Limit | Frequ 60112 NE 05354416 Limit Line dBuV 54.64 64.64 47.55 | UTRAL Read Level dBuV 11.81 25.51 22.60 | LISN Factor dB 0.48 0.48 0.56 | Cable Loss dB 10.32 10.32 10.32 | Remark Average QP Average | | 0 | |
| Site Conditi Project Mode IMEI | 15 .2 : CO01-S on: FCC 15 : (FC) 63 : Mode 2 : 351171 Freq MHz 0.18 0.18 0.41 0.41 | BE QF LI: 0535441: Level dBuV 22.61 36.31 33.33 42.33 | 5N_N_201 52/35117 Over Limit | Freque 60112 NE 05354416 Limit Line dBuV 54.64 64.64 47.55 57.55 | 0 Read Level dBuV 11.81 25.51 22.60 31.60 | LISN Factor dB 0.48 0.56 0.56 | Cable Loss dB 10.32 10.32 10.17 10.17 | Remark Average QP Average QP | | 0 | |
| Site Conditi Project Mode IMEI | 15 .2 : CO01-S on: FCC 15 : (FC) 63 : Mode 2 : 351171 Freq MHz 0.18 0.18 0.41 0.41 0.62 | BE QF LI: 0535441: Level dBuV 22.61 36.31 33.33 42.33 19.02 | 52/35117 Over Limit ——————————————————————————————————— | Freque 60112 NE 05354416 Limit Line dBuV 54.64 64.64 47.55 57.55 46.00 | UTRAL Read Level dBuV 11.81 25.51 22.60 31.60 8.30 | LISN Factor dB 0.48 0.56 0.56 0.57 | Cable Loss dB 10.32 10.32 10.17 10.17 | Remark Average QP Average QP Average | | 0 | |
| Site Conditi Project Mode IMEI | .15 .2 : CO01-S on: FCC 15 : (FC) 63 : Mode 2 : 351171 Freq MHz 0.18 0.18 0.41 0.41 0.62 0.62 | B_QP LI: 0535441: Level dBuV 22.61 36.31 33.33 42.33 19.02 31.12 | 52/35117 Over Limit ——————————————————————————————————— | Freque 60112 NE 05354416 Limit Line dBuV 54.64 64.64 47.55 57.55 46.00 56.00 | 0 Read Level dBuV 11.81 25.51 22.60 31.60 8.30 20.40 | LISN Factor dB 0.48 0.56 0.56 0.57 | Cable Loss dB 10.32 10.32 10.17 10.17 10.15 10.15 | Remark Average QP Average QP Average QP | | 0 | |
| Site Conditi Project Mode IMEI 1 2 3 * 4 5 6 7 | .15 .2 : CO01-S on: FCC 15 : (FC) 63 : Mode 2 : 351171 Freq MHz 0.18 0.18 0.41 0.41 0.62 0.62 0.82 0.82 | BE_QF LI: 0535441: Level dBuV 22.61 36.31 33.33 42.33 19.02 31.12 24.20 33.20 | 52/35117 Over Limit ——————————————————————————————————— | 05354416 Limit Line dBuV 54.64 64.64 47.55 57.55 46.00 56.00 56.00 | 0 Read Level dBuV 11.81 22.60 31.60 8.30 20.40 13.50 22.50 | LISN Factor dB 0.48 0.48 0.56 0.56 0.57 0.57 0.55 | Cable Loss dB 10.32 10.32 10.17 10.17 10.15 10.15 10.15 | Remark Average QP Average QP Average QP Average QP | | 0 | |
| Site Conditi Project Mode IMEI 1 2 3 * 4 5 6 7 8 9 | .15 .2 : C001-S on: FCC 15 : (FC) 63 : Mode 2 : 351171 Freq MHz 0.18 0.41 0.41 0.62 0.62 0.82 0.82 0.88 | BB_QP LI: 1106 .0535441: Level dBuV 22.61 36.31 33.33 42.33 19.02 31.12 24.20 33.20 23.21 | 5N_N_201 52/35117 Over Limit -32.03 -28.33 -14.22 -15.22 -26.98 -24.88 -21.80 -22.80 -22.79 | 053544166 Limit Line dBuV 54.64 64.64 47.55 57.55 46.00 56.00 46.00 56.00 | 0 Read Level dBuV 11.81 25.51 22.60 31.60 8.30 20.40 13.50 22.50 12.50 | LISN Factor dB 0.48 0.56 0.56 0.57 0.57 0.55 0.55 | Cable Loss dB 10.32 10.32 10.17 10.15 10.15 10.15 10.15 10.15 | Remark Average QP Average QP Average QP Average QP Average QP | | 0 | |
| Site Conditi Project Mode IMEI 1 2 3 * 4 5 6 7 | .15 .2 : CO01-S on: FCC 15 : (FC) 63 : Mode 2 : 351171 Freq MHz 0.18 0.41 0.41 0.62 0.62 0.82 0.82 0.88 0.88 | dBuV 22.61 36.31 33.33 42.33 19.02 31.12 24.20 33.20 23.21 32.91 | 5N_N_201 52/35117 Over Limit -32.03 -28.33 -14.22 -15.22 -26.98 -24.88 -21.80 -22.79 -23.09 | 05354416 Limit Line dBuV 54.64 64.64 47.55 57.55 46.00 56.00 46.00 56.00 56.00 | DTRAL Read Level dBuV 11.81 22.60 31.60 31.50 20.40 13.50 22.50 12.50 22.20 | LISN Factor dB 0.48 0.48 0.56 0.56 0.57 0.57 0.55 | Cable Loss dB 10.32 10.32 10.17 10.15 10.15 10.15 10.15 10.15 | Remark Average QP Average QP Average QP Average QP Average QP | | 0 | |

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| Test Mode : | Mode 4 | Temperature : | 21~23℃ | | | | | | | | |
|-----------------|--|---|--------|--|--|--|--|--|--|--|--|
| Test Engineer : | Tao Cheng | Relative Humidity : | 41~43% | | | | | | | | |
| Test Voltage : | 120Vac / 60Hz | Phase : | Line | | | | | | | | |
| Function Type: | GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with | | | | | | | | | | |
| | Notebook) + Battery + Earph | Notebook) + Battery + Earphone + SD Card + SIM2 | | | | | | | | | |



: CO01-SZ

Condition: FCC 15B_QP LISN_L_20160112 LINE

Project : (FC) 631106 Mode : Mode 4

: 351171053544152/35117053544160 IMEI

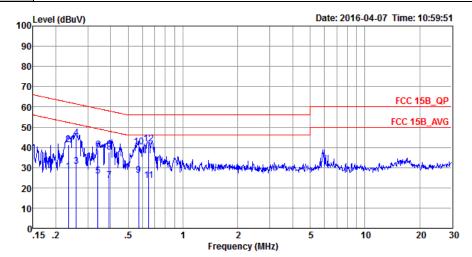
| | | | Over | Limit | Read | LISN | Cable | |
|------|------|-------|--------|-------|-------|--------|-------|---------|
| | Freq | Level | Limit | Line | Level | Factor | Loss | Remark |
| | MHz | dBuV | dB | dBu∀ | dBu∀ | dB | dB | |
| 1 | 0.24 | 26.79 | -25.29 | 52.08 | 16.00 | 0.54 | 10.25 | Average |
| 2 | 0.24 | 41.59 | -20.49 | 62.08 | 30.80 | 0.54 | 10.25 | QP |
| 3 | 0.27 | 29.98 | -21.18 | 51.16 | 19.19 | 0.56 | 10.23 | Average |
| 4 | 0.27 | 41.78 | -19.38 | 61.16 | 30.99 | 0.56 | 10.23 | QP |
| 5 | 0.34 | 25.64 | -23.45 | 49.09 | 14.89 | 0.56 | 10.19 | Average |
| 6 | 0.34 | 38.24 | -20.85 | 59.09 | 27.49 | 0.56 | 10.19 | QP |
| 7 | 0.39 | 22.61 | -25.38 | 47.99 | 11.90 | 0.54 | 10.17 | Average |
| 8 | 0.39 | 36.51 | -21.48 | 57.99 | 25.80 | 0.54 | 10.17 | QP |
| 9 | 0.55 | 22.69 | -23.31 | 46.00 | 11.90 | 0.64 | 10.15 | Average |
| 10 * | 0.55 | 36.69 | -19.31 | 56.00 | 25.90 | 0.64 | 10.15 | QP |
| 11 | 0.68 | 21.90 | -24.10 | 46.00 | 11.20 | 0.55 | 10.15 | Average |
| 12 | 0.68 | 34.40 | -21.60 | 56.00 | 23.70 | 0.55 | 10.15 | QP |
| | | | | | | | | |

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| Test Mode : | Mode 4 | Temperature : | 21~23℃ | | | | | | |
|-----------------|--|----------------------|---------|--|--|--|--|--|--|
| Test Engineer : | Tao Cheng | Relative Humidity : | 41~43% | | | | | | |
| Test Voltage : | 120Vac / 60Hz | Phase : | Neutral | | | | | | |
| Function Type : | GSM850 Idle + Bluetooth Idle + WLAN Idle + USB Cable (Data Link with | | | | | | | | |
| | Notebook) + Battery + Earph | none + SD Card + SIM | 2 | | | | | | |



Site : CO01-SZ

Condition: FCC 15B_QP LISN_N_20160112 NEUTRAL

Project : (FC) 631106 : Mode 4

: 351171053544152/35117053544160

| | Freq | Level | Over Limit | Limit Line | Read Level | LISN Factor | Cable Loss | Remark |
|------|------|-------|---------------|---------------|---------------|----------------|---------------|---------|
| | MHz | dBu∀ | dB | dBuV | dBu∀ | dB | dB | |
| 1 | 0.23 | 28.20 | -24.10 | 52.30 | 17.40 | 0.54 | 10.26 | Average |
| 2 | 0.23 | 41.30 | -21.00 | 62.30 | 30.50 | 0.54 | 10.26 | QP |
| 3 | 0.26 | 30.70 | -20.77 | 51.47 | 19.91 | 0.56 | 10.23 | Average |
| 4 | 0.26 | 44.80 | -16.67 | 61.47 | 34.01 | 0.56 | 10.23 | QP |
| 5 | 0.34 | 25.66 | -23.52 | 49.18 | 14.90 | 0.57 | 10.19 | Average |
| 6 | 0.34 | 38.76 | -20.42 | 59.18 | 28.00 | 0.57 | 10.19 | QP |
| 7 | 0.39 | 23.53 | -24.46 | 47.99 | 12.81 | 0.55 | 10.17 | Average |
| 8 | 0.39 | 37.53 | -20.46 | 57.99 | 26.81 | 0.55 | 10.17 | QP |
| 9 | 0.57 | 26.14 | -19.86 | 46.00 | 15.40 | 0.59 | 10.15 | Average |
| 10 | 0.57 | 40.24 | -15.76 | 56.00 | 29.50 | 0.59 | 10.15 | QP |
| 11 | 0.65 | 23.71 | -22.29 | 46.00 | 13.00 | 0.56 | 10.15 | Average |
| 12 * | 0.65 | 41.71 | -14.29 | 56.00 | 31.00 | 0.56 | 10.15 | QP |

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3.2. Test of Radiated Emission Measurement

3.2.1. Limit of Radiated Emission

The emissions from an unintentional radiator shall not exceed the field strength levels specified in the following table:

| Frequency | Field Strength | Measurement Distance | | | | |
|-----------|--------------------|----------------------|--|--|--|--|
| (MHz) | (microvolts/meter) | (meters) | | | | |
| 30 – 88 | 100 | 3 | | | | |
| 88 – 216 | 150 | 3 | | | | |
| 216 - 960 | 200 | 3 | | | | |
| Above 960 | 500 | 3 | | | | |

3.2.2. Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3. Test Procedures

- 1. The EUT was placed on a turntable with 0.8 meter above ground.
- 2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 3. The table was rotated 360 degrees to determine the position of the highest radiation.
- 4. The antenna is a Bi-Log antenna and its height is adjusted between one to four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
- 5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
- 6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
- 7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
- 8. Emission level (dB μ V/m) = 20 log Emission level (μ V/m)
- 9. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level

SPORTON INTERNATIONAL (SHENZHEN) INC.

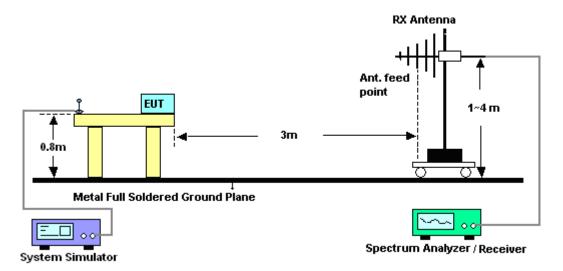
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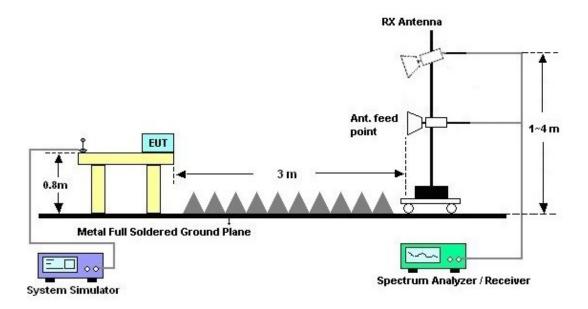
Report Template No.: BU5-FC15B Version 1.3

3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



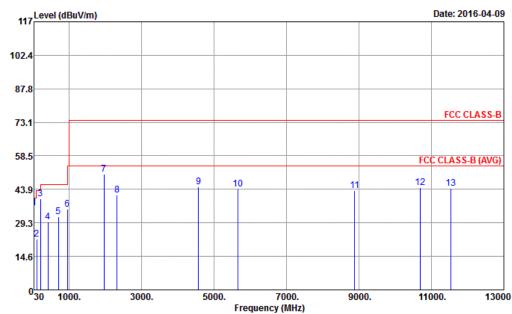
SPORTON INTERNATIONAL (SHENZHEN) INC.

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3.2.5. Test Result of Radiated Emission

| Test Mode : | Mode 3 | Temperature : | 23~25°C | | | | | | |
|-----------------|--|---------------------|------------|--|--|--|--|--|--|
| Test Engineer : | Leo Liao | Relative Humidity : | 48~52% | | | | | | |
| Test Distance : | 3m | Polarization : | Horizontal | | | | | | |
| Function Type | GSM1900 Idle + Bluetooth Idle + WLAN Idle + Adapter + Battery + Earphone + | | | | | | | | |
| Function Type : | MPEG4 + SIM1 | | | | | | | | |
| Remark : | #7 is system simulator signal which can be ignored. | | | | | | | | |
| | | | | | | | | | |



Site : 03CH02-SZ

: FCC CLASS-B 3m LF_ANT(23188)6_15101 HORIZONTAL Condition

Project : (FC) 631106

Mode : Mode 3

IMEI : 351771053544194/351771053544202

| | Freq | Level | Over Limit | | | Antenna Factor | | Preamp Factor | A/Pos | T/Pos | Remark |
|----|----------|--------|---------------|--------|-------|-------------------|-------|------------------|-------|-------|--------|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB/m | dB | dB | cm | deg | |
| 1 | 33.51 | 36.00 | -4.00 | 40.00 | 36.21 | 25.08 | 0.75 | 26.04 | | | Peak |
| 2 | 103.44 | 22.30 | -21.20 | 43.50 | 28.40 | 18.52 | 1.14 | 25.76 | | | Peak |
| 3 | 212.25 | 39.77 | -3.73 | 43.50 | 47.85 | 15.60 | 1.54 | 25.22 | 100 | 360 | Peak |
| 4 | 415.50 | 29.54 | -16.46 | 46.00 | 29.82 | 23.53 | 2.08 | 25.89 | | | Peak |
| 5 | 701.80 | 31.86 | -14.14 | 46.00 | 29.06 | 26.52 | 2.65 | 26.37 | | | Peak |
| 6 | 948.90 | 35.04 | -10.96 | 46.00 | 28.50 | 28.89 | 3.15 | 25.50 | | | Peak |
| 7 | 1960.00 | 50.56 | | | 72.87 | 31.74 | 4.59 | 58.64 | | | Peak |
| 8 | 2326.00 | 41.37 | -32.63 | 74.00 | 62.45 | 32.53 | 4.98 | 58.59 | | | Peak |
| 9 | 4576.00 | 44.96 | -29.04 | 74.00 | 63.06 | 34.24 | 7.26 | 59.60 | 100 | 0 | Peak |
| 10 | 5650.00 | 43.92 | -30.08 | 74.00 | 59.47 | 35.32 | 8.15 | 59.02 | | | Peak |
| 11 | 8878.00 | 43.31 | -30.69 | 74.00 | 53.78 | 36.64 | 10.86 | 57.97 | | | Peak |
| 12 | 10684.00 | 44.65 | -29.35 | 74.00 | 52.87 | 38.61 | 12.41 | 59.24 | | | Peak |
| 13 | 11540.00 | 44.21 | -29.79 | 74.00 | 52.18 | 39.22 | 12.60 | 59.79 | | | Peak |

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| Test Mode : | Mode 3 | | Temperatu | ire : | 23~25°C | 23~25°C | | | |
|--|---|--|--|---|------------------|----------------------------|-----------------|--|--|
| Test Engineer : | Leo Liao | | Relative H | umidity : | 48~52% | | | | |
| Test Distance : | 3m | | Polarizatio | n : | Vertical | | | | |
| Function Type : | GSM1900 lo MPEG4 + SI | lle + Bluetooth M1 | Idle + WLA | N Idle + A | dapter + | Battery + Ear | rphone + | | |
| Remark : | #7 is system | simulator sign | al which can | be ignored | d. | | | | |
| 117 Level (di | BuV/m) | | | | | Date: 2016-04-08 | 3] | | |
| 102.4 | | | | | | | | | |
| 87.8 | | | | | | | | | |
| 73.1 | | | | | | FCC CLASS-B | | | |
| 58.5 | 7 | | | | ı | FCC CLASS-B (AVG) | | | |
| 43.9 | 8 | 910 | | 11 | 12 | 13 | | | |
| 29.3 | | | | | | | | | |
| 14.6 | | | | | | | | | |
| 030 10 | 00. 300 | 00. 5000. | 7000. Frequency (MHz) | 9000 |). | 11000. 1300 |] 0 0 | | |
| Site Condition Project Mode IMEI | : (FC) 631106 : Mode 3 | B 3m LF_ANT(2318; | 8)6_15101 VERT | | | | | | |
| Fr | Ov req Level Lin | | Antenna Cable Factor Loss | Preamp A/Po Factor | os T/Pos | Remark | | | |
| | | dB dBuV/m dBuV | dB/m dB | | m deg | | | | |
| 2 213 3 266 4 510 5 686 | .33 40.99 -2. .79 26.53 -19. .00 30.36 -15. .40 32.51 -13. | 04 40.00 39.80 51 43.50 49.05 47 46.00 32.90 64 46.00 31.65 49 46.00 30.10 | 15.62 1.54 17.17 1.57 22.89 2.17 26.18 2.61 | 25.11 26.35 26.38 | 90 0 0 F F | DP Peak Peak Peak | | | |
| 7 1960 8 2396 9 4966 | .00 51.47 .00 42.29 -31. .00 44.10 -29. | 72 46.00 29.43 73.78 71 74.00 63.25 90 74.00 60.36 65 74.00 58.62 | 31.74 4.59 32.60 5.07 34.48 7.56 | 25.77 58.64 58.63 58.30 57.60 | F | Peak Peak Peak | | | |
| 11 8308 12 10024 | .00 44.59 -29. | 41 74.00 54.76 63 74.00 53.11 85 74.00 53.27 | 36.31 11.07 38.13 12.03 | 57.55 58.90 | P | eak eak | | | |

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| SPORTON LAB. | FCC Test Report |
|--------------|-----------------|

| Test Mode | : | Mode 4 | | | | Tem | peratu | ıre : | | 23~25°C | | | | |
|-----------------|--------------------------|-------------------------|---|-----------------------|----------|----------|----------------|----------------|-------|---------|--------------|--------------|------|------|
| Test Engine | eer: | Leo Liad |) | | | Rela | tive H | umidit | ty: | 48~529 | % | | | |
| Test Distan | ce : | 3m | | | | Pola | Polarization : | | | | Horizontal | | | |
| | | GSM850 |) Idle | + Blu | etooth | ldle | + WI | _AN I | dle + | USB | Cable | (Data | Link | with |
| Function T | ype : | Noteboo | Notebook) + Battery + Earphone + SD Card + SIM2 | | | | | | | | | | | |
| Remark : | | #7 is sys | #7 is system simulator signal which can be ignored. | | | | | | | | | | | |
| 447 | Level (d | BuV/m) | | | | | | | | | Date | e: 2016-04-0 | 9 | |
| 11/ | | | | | | | | | | | | | | |
| 102.4 | | | | | | | | | | | | | | |
| 87.8 | | | | | | | | | | | | | | |
| 51.5 | | | | | | | | | | | E/ | CC CLASS-B | | |
| 73.1 | | | | | | | | | | | - ' | CC CLASS-D | | |
| 58.5 | | | | | | | | | | | FCC CL/ | ASS-B (AVG) | - | |
| | | | | | 9 10 | | | - | 11 | 12 | 12 | , , | | |
| 43.9 | 7 ⁶ 67 145 | | i | | | | | | | | | | | |
| 29.3 | | | | | | | | | | | | | | |
| 14.6 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 0 | 30 10 | 00. | 3000. | | 5000. | Fraguan | 7000. | | 9000. | | 11000. | 130 | 00 | |
| Site | | : 03CH02 | -SZ | | | Frequen | Cy (WHZ) | , | | | | | | |
| Condi Projec | | : FCC CL : (FC) 63 | | m LF_Al | NT(23188 | 8)6_1510 | 1 HORIZ | ONTAL | | | | | | |
| Mode IMEI | | : Mode 4 : 351771 | 05354419 |)4/35177 [,] | 10535442 | 202 | | | | | | | | |
| | | | | Limit | | | Cable | Preamp | A/Pos | s T/Pos | | | | |
| | | req Level | | | | | | Factor | | | Remark | | | |
| 1 | | MHz dBuV/m .74 34.78 | | dBuV/m | | | | dB 25 35 | cr | _ | Peak | | | |
| 2 | 196 | .05 34.97 .06 41.57 | -8.53 | 43.50 | 43.26 | 15.48 | 1.50 | | | | Peak Peak | | | |
| 4 | 300 | .00 35.35 | -10.65 | 46.00 | 40.18 | 18.50 | 1.71 | 25.04 | | | Peak | | | |
| 5 6 | | .00 33.13 .00 40.22 | | | | | | 25.74 26.33 | | | Peak Peak | | | |
| 7 | | .70 40.58 | | 7/ 00 | | 28.29 | | 25.93 | | | Peak Peak | | | |
| 8 9 | | .00 42.23 .00 45.44 | | | | | | 59.10 58.62 | 100 | | Peak | | | |
| 10 11 | | .00 43.41 .00 43.16 | | | | | | 57.89 57.50 | | | Peak Peak | | | |
| 12 | 10396 | .00 43.40 | -30.60 | 74.00 | 51.76 | 38.42 | 12.23 | 59.01 | | | Peak | | | |
| 13 | 11306 | .00 45.33 | -28.67 | 74.00 | 53.38 | 39.04 | 12.59 | 59.68 | | | Peak | | | |

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| 基 | |
|--------------|-----------------|
| SPORTON LAB. | FCC Test Report |

| Test Mode : | N | Mode 4 | | | | | peratu | ıre : | 2 | 23~25° | 3~25°C | | | |
|---|------------|---|---------------------------|-------------------------|----------------|------------------------|-------------------|------------------|-----------------------------|--------|------------|-------|--------------|---|
| Test Engineer | r: L | eo Liao | | | | Rela | tive H | umidit | t y : 4 | 48~52% | | | | |
| Test Distance | : 3 | 3m | | Polarization : Vertical | | | | | | | | | | |
| Function Type | <u>.</u> (| GSM850 Idle + Bluetooth Idle + WLAN Idle + | | | | | | dle + | + USB Cable (Data Link with | | | | | |
| Function Type : Notebook) + Battery + | | | | | + Earp | phone + SD Card + SIM2 | | | | | | | | |
| Remark: #7 is system simulator signal which can be ignored. | | | | | | | | | | | | | | |
| 117 Leve | el (dBu | V/m) | | | | | | | | | | Date: | : 2016-04-09 | |
| | | | | | | | | | | | | | | |
| 102.4 | | | | | | | | | | | | | | |
| 87.8 | | | | | | | | | | | | | | |
| 70.4 | | | | | | | | | | | | FC | C CLASS-B | |
| 73.1 | | | | | | | | | | | | | | |
| 58.5 | | | | | | | | | | | FC | C CLA | SS-B (AVG) | |
| 43.9 | 67 | | 8 | | 9 | | 10 | 11 | | | 12 | 13 | | |
| A 5 | 7.11 | | | | | | | | | | | | | |
| 29.3 | | | | | | | | | | | | | | |
| 14.6 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| 030 | 1000 | | 3000. | | 5000. | Frequen | 7000. cy (MHz) | | 9000. | | 110 | 000. | 1300 | 0 |
| Site Condition Project Mode IMEI | | : 03CH02- : FCC CL/ : (FC) 631 : Mode 4 : 3517710 | ASS-B 3 106 5354419 | 4/351771 | 10535442 | 202 | | | | | | | | |
| | Free | q Level | | Limit Line | ReadA Level | | | Preamp Factor | A/Pos | T/Pos | Rem | ark | | |
| | | z dBuV/m | | dBuV/m | dBuV | dB/m | dB | dB | cm | deg | | | | |
| 2 | 240.0 | 1 31.40 6 39.11 | -6.89 | 46.00 | 46.46 | 16.27 | 1.54 | 25.23 25.16 | | | Pea | ık | | |
| | | 3 33.75 0 33.58 | | | | | | 25.04 25.04 | | | | | | |
| 5 | 518.4 | 0 34.99 | -11.01 | 46.00 | 36.02 | 23.16 | 2.17 | 26.36 | | | Pea | k | | |
| | | 0 39.61 0 40.66 | -0.39 | 40.00 | | 28.29 | | 26.33 25.93 | 100 | | Pea Pea | | | |
| 8 2 | 674.0 | 0 42.60 | | | 63.34 | 32.83 | 5.41 | 58.98 | | | Pea | ık | | |
| | | 0 44.79 0 44.69 | | 74.00 74.00 | | | | 58.07 57.17 | | | | | | |
| | | 0 44.69 | | | | | | | | | | | | |
| | | 0 46.38 0 45.34 | | | | | | | 100 | 200 | | | | |
| 15 11 | .255.0 | · -5.5+ | 20.00 | 74.00 | 33.72 | 30.99 | 12.50 | 55.05 | | | . ca | | | |

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4. List of Measuring Equipment

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|-----------------------------------|-----------------|---------------------------------|------------------|---------------------------|---------------------|---------------------------------|---------------|--------------------------|
| EMI Test Receiver | R&S | ESR7 | 101404 | 9kHz~7GHz;Ma x 30dBm | Oct. 20, 2015 | Apr. 07, 2016 | Oct. 19, 2016 | Conduction (CO01-SZ) |
| AC LISN | EMCO | 3816/2SH | 00103892 | 9kHz~30MHz | Jan. 12, 2016 | Apr. 07, 2016 | Jan. 11, 2017 | Conduction (CO01-SZ) |
| AC LISN (for auxiliary equipment) | MessTec | 3816/2SH | 00103912 | 9kHz~30MHz | Jan. 12, 2016 | Apr. 07, 2016 | Jan. 11, 2017 | Conduction (CO01-SZ) |
| AC Power Source | Chroma | 61602 | 61602000089 1 | 100Vac~250Vac | Aug. 07, 2015 | Apr. 07, 2016 | Aug. 06, 2016 | Conduction (CO01-SZ) |
| Pulse Limiter | COM-POWER | LIT-153 Transient Limiter | 53139 | 150kHz~30MHz | Oct. 20, 2015 | Apr. 07, 2016 | Oct. 19, 2016 | Conduction (CO01-SZ) |
| EMI Test Receiver | R&S | ESR7 | 101404 | 9kHz~7GHz; Max 30dBm | Oct. 20, 2015 | Apr. 08, 2016~ Apr. 09, 2016 | Oct. 19, 2016 | Radiation (03CH02-SZ) |
| Spectrum Analyzer | R&S | FSV40 | 101041 | 10kHz~40GHz; Max 30dBm | Oct. 20, 2015 | Apr. 08, 2016~ Apr. 09, 2016 | Oct. 19, 2016 | Radiation (03CH02-SZ) |
| Bilog Antenna | TeseQ | CBL6112D | 35407 | 30MHz~2GHz | May 06, 2015 | Apr. 08, 2016~ Apr. 09, 2016 | May 05, 2016 | Radiation (03CH02-SZ) |
| Double Ridge Horn Antenna | SCHWARZBE CK | BBHA 9120D | 9120D-1285 | 1GHz~18GHz | Jan. 11, 2016 | Apr. 08, 2016~ Apr. 09, 2016 | Jan. 10, 2017 | Radiation (03CH02-SZ) |
| Amplifier | HP | 8447F | 3113A04622 | 9kHz~1300MHz / 30 dB | Aug. 07, 2015 | Apr. 08, 2016~ Apr. 09, 2016 | Aug. 06, 2016 | Radiation (03CH02-SZ) |
| Amplifier | Agilent | 8449B | 3008A01023 | 1GHz~26.5GHz | Oct. 20, 2015 | Apr. 08, 2016~ Apr. 09, 2016 | Oct. 19, 2016 | Radiation (03CH02-SZ) |
| AC Power Source | Chroma | 61601 | 61601000247 0 | N/A | NCR | Apr. 08, 2016~ Apr. 09, 2016 | NCR | Radiation (03CH02-SZ) |
| Turn Table | Chaintek | T-200 | N/A | 0~360 degree | NCR | Apr. 08, 2016~ Apr. 09, 2016 | NCR | Radiation (03CH02-SZ) |
| Antenna Mast | Chaintek | MBS-400 | N/A | 1 m~4 m | NCR | Apr. 08, 2016~ Apr. 09, 2016 | NCR | Radiation (03CH02-SZ) |

NCR: No Calibration Required

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5. Uncertainty of Evaluation

<u>Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)</u>

| Measuring Uncertainty for a Level of | 2.3 dB | | |
|--------------------------------------|--------|--|--|
| Confidence of 95% (U = 2Uc(y)) | 2.3 UB | | |

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

| Management Unagentainty for a Lavel of | |
|--|--------|
| Measuring Uncertainty for a Level of | 5.0 dB |
| Confidence of 95% (U = 2Uc(y)) | 3.0 UB |

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