# **FCC REPORT**

Applicant: Nexus Telecom Inc

Address of Applicant:

PO Box 873, Venterpool Plaza 873 Road Town, Tortola Virgin

Islands (British), UK

**Equipment Under Test (EUT)** 

Product Name: 4G mobile phone

Model No.: GO1001

Trade mark: GOMOBILE

FCC ID: YSEGO1001

Applicable standards: FCC CFR Title 47 Part 15 Subpart B

Date of sample receipt: 28 Aug., 2015

**Date of Test:** 28 Aug., to 19 Oct., 2015

Date of report issued: 21 Oct., 2015

Test Result: Pass \*

#### Authorized Signature:



Bruce Zhang Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.





### 2 Version

| Version No. | Date          | Description |
|-------------|---------------|-------------|
| 00          | 21 Oct., 2015 | Original    |
|             |               |             |
|             |               |             |
|             |               |             |
|             |               |             |

Tested by: Date: 21 Oct., 2015

Test Engineer

**Reviewed by:** Date: 21 Oct., 2015

**Project Engineer** 





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# 4 Test Summary

| Test Item          | Section in CFR 47 | Result |
|--------------------|-------------------|--------|
| Conducted Emission | Part 15.107       | Pass   |
| Radiated Emission  | Part 15.109       | Pass   |

Pass: The EUT complies with the essential requirements in the standard.



### 5 General Information

### 5.1 Client Information

| Applicant:                       | Nexus Telecom Inc   |
|----------------------------------|---|
| Address of Applicant:            | PO Box 873, Venterpool Plaza 873 Road Town, Tortola Virgin Islands (British),UK                         |
| Manufacturer/ Factory:           | United Time Technology Co., Ltd   |
| Address of Manufacturer/Factory: | 7/F.,5-A Building, Software IndustrialBase,<br>No.1006 Keyuan Road, Nanshan District,Shenzhen,P.R.China |

# 5.2 General Description of E.U.T.

| Product Name:     | 4G mobile phone                            |  |  |
|-------------------|--|--|--|
| Model No.: GO1001 |  |  |  |
| Power supply:     | Rechargeable Li-ion Battery DC3.8V-2000mAh |  |  |
| AC adaptor :      | Input:100-240V AC,50/60Hz 0.2A             |  |  |
| AC adapter :      | Output:5V DC MAX 1.0A                      |  |  |

### 5.3 Test Mode

| Operating mode          | Detail description                           |
|-------------------------|--|
| PC mode                 | Keep the EUT in Downloading mode(Worst case) |
| Charging+recording mode | Keep the EUT in Charging+recording mode      |
| Charging+Playing mode   | Keep the EUT in Charging+Playing mode        |
| FM mode                 | Keep the EUT in FM receiver mode             |
| GPS mode                | Keep the EUT in GPS receiver mode            |

The sample was placed 0.8m above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.



### 5.4 Description of Support Units

| Manufacturer               | Description             | Model       | Serial Number | FCC ID/DoC |
|----------------------------|-------------------------|-------------|---------------|------------|
| DELL                       | PC                      | OPTIPLEX745 | N/A           | DoC        |
| DELL                       | MONITOR                 | E178FPC     | N/A           | DoC        |
| DELL                       | KEYBOARD                | SK-8115     | N/A           | DoC        |
| DELL                       | MOUSE                   | MOC5UO N/A  |               | DoC        |
| HP                         | Printer                 | CB495A      | 05257893      | DoC        |
| MERCURY                    | MERCURY Wireless router |             | 12922104015   | FCC ID     |
| NAKAMICHI Bluetooth earpho |                         | T8          | N/A           | FCC ID     |

### 5.5 Laboratory Facility

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

#### • FCC - Registration No.: 817957

Shenzhen Zhongjian Nanfang Testing 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 out files. Registration 817957, February 27, 2012.

#### • IC - Registration No.: 10106A-1

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

### • CNAS - Registration No.: CNAS L6048

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

### 5.6 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,

Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755-23118282 Fax: +86-755-23116366



### 5.7 Test Instruments list

| Radia               | Radiated Emission:                |                                   |                   |                  |                         |                             |  |  |  |  |
|---------------------|-----------------------------------|-----------------------------------|-------------------|------------------|-------------------------|-----------------------------|--|--|--|--|
| Item Test Equipment |                                   | Manufacturer                      | Model No.         | Inventory<br>No. | Cal. Date<br>(mm-dd-yy) | Cal. Due date<br>(mm-dd-yy) |  |  |  |  |
| 1                   | 1 3m Semi- Anechoic SAEMC Chamber |                                   | 9(L)*6(W)* 6(H)   | CCIS0001         | 08-23-2014              | 08-22-2017                  |  |  |  |  |
| 2                   | BiConiLog Antenna                 | SCHWARZBECK<br>MESS-ELEKTRONIK    | VULB9163          | CCIS0005         | 03-28-2015              | 03-28-2016                  |  |  |  |  |
| 3                   | Double -ridged<br>waveguide horn  | SCHWARZBECK<br>MESS-ELEKTRONIK    | BBHA9120D         | CCIS0006         | 03-28-2015              | 03-28-2016                  |  |  |  |  |
| 4                   | EMI Test Software                 | AUDIX                             | E3                | N/A              | N/A                     | N/A                         |  |  |  |  |
| 5                   | Amplifier<br>(10kHz-1.3GHz)       | HP                                | 8447D             | CCIS0003         | 04-01-2015              | 03-31-2016                  |  |  |  |  |
| 6                   | Amplifier<br>(1GHz-18GHz)         | Compliance Direction Systems Inc. | PAP-1G18          | CCIS0011         | 04-01-2015              | 03-31-2016                  |  |  |  |  |
| 7                   | Printer                           | HP                                | HP LaserJet P1007 | N/A              | N/A                     | N/A                         |  |  |  |  |
| 8                   | Positioning Controller            | UC                                | UC3000            | CCIS0015         | N/A                     | N/A                         |  |  |  |  |
| 9                   | Spectrum analyzer<br>9k-30GHz     | Rohde & Schwarz                   | FSP               | CCIS0023         | 03-28-2015              | 03-28-2016                  |  |  |  |  |
| 10                  | EMI Test Receiver                 | Rohde & Schwarz                   | ESRP7             | CCIS0167         | 03-28-2015              | 03-28-2016                  |  |  |  |  |

| Cond | Conducted Emission: |                    |  |                  |                        |                            |  |  |  |  |  |
|------|---------------------|--------------------|--|------------------|------------------------|----------------------------|--|--|--|--|--|
| Item | Test Equipment      | Manufacturer       | Model No.                                    | Inventory<br>No. | Cal.Date<br>(mm-dd-yy) | Cal.Due date<br>(mm-dd-yy) |  |  |  |  |  |
| 1    | Chielding Doom      | 7hongShua Elastron | 11 0(1) \\ \ 1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | CCIS0061         | 11-10-2012             | 11-09-2015                 |  |  |  |  |  |
| ı    | Shielding Room      | ZhongShuo Electron | 11.0(L)x4.0(W)x3.0(H)                        | CC130061         | 11-10-2012             | 11-09-2015                 |  |  |  |  |  |
| 2    | EMI Test Receiver   | Rohde & Schwarz    | ESCI   | CCIS0002         | 03-28-2015             | 03-28-2016                 |  |  |  |  |  |
| 3    | LISN                | CHASE              | MN2050D                                      | CCIS0074         | 03-28-2015             | 03-28-2016                 |  |  |  |  |  |
| 4    | Coaxial Cable       | CCIS               | N/A  | CCIS0086         | 04-01-2015             | 03-31-2016                 |  |  |  |  |  |



## 6 Test results and Measurement Data

### **6.1 Conducted Emission**

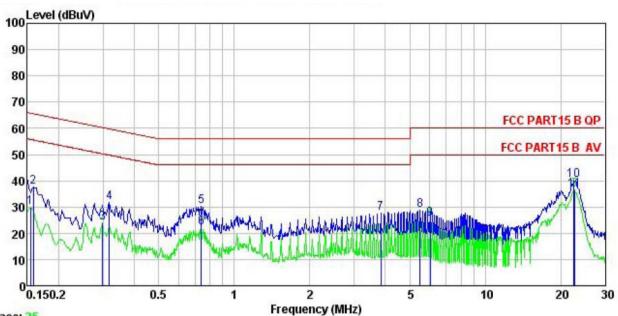
| Test Requirement:     | FCC Part 15 B Section 15.10  | )7  |   |  |  |  |  |  |  |
|-----------------------|--|---|---|--|--|--|--|--|--|
| Test Method:          | ANSI C63.4:2009  |   |   |  |  |  |  |  |  |
| Test Frequency Range: | 150kHz to 30MHz  | 150kHz to 30MHz   |   |  |  |  |  |  |  |
| Class / Severity:     | Class B  |   |   |  |  |  |  |  |  |
| Receiver setup:       | RBW=9kHz, VBW=30kHz  |   |   |  |  |  |  |  |  |
| Limit:                |  | Limit   | (dBµV)  |  |  |  |  |  |  |
|                       | Frequency range (MHz)  | Quasi-peak  | Average   |  |  |  |  |  |  |
|                       | 0.15-0.5   | 66 to 56*   | 56 to 46*   |  |  |  |  |  |  |
|                       | 0.5-5 56 46<br>0.5-30 60 50  |   |   |  |  |  |  |  |  |
|                       | 0.5-30 60 50  * Decreases with the logarithm of the frequency.   |   |   |  |  |  |  |  |  |
| Test setup:           | Reference Plan   | · · · · · ·   |   |  |  |  |  |  |  |
| Test procedure        | AUX Equipment  Test table/Insulation plane  Remark E.U.T: Equipment Under Test LISN Line Impedence Stabilization Network Test table height=0.8m  1. The E.U.T and simulators   | Filter AC p   | main power through a  |  |  |  |  |  |  |
|                       | line impedance stabilization 500hm/50uH coupling imposed 2. The peripheral devices are a LISN that provides a 500 termination. (Please refers photographs).  3. Both sides of A.C. line are interference. In order to fir positions of equipment an according to ANSI C63.4: | pedance for the measure also connected to the ohm/50uH coupling imports to the block diagram are checked for maximulate maximum emissed all of the interface care | aring equipment.  e main power through apedance with 50ohm of the test setup and m conducted sion, the relative ables must be changed |  |  |  |  |  |  |
| Test environment:     | Temp.: 23 °C Hun   | nid.: 56% P   | ress.: 1 01kPa  |  |  |  |  |  |  |
| Measurement Record:   |  | •   | Uncertainty: 3.28dB   |  |  |  |  |  |  |
| Test Instruments:     | Refer to section 5.7 for detail  | ls  |   |  |  |  |  |  |  |
| Test mode:            | Refer to section 5.3 for detail  | ls  |   |  |  |  |  |  |  |
| Test results:         | Pass   |   |   |  |  |  |  |  |  |





#### Measurement data:

Line:



Trace: 25 Site

: CCIS Shielding Room : FCC PART15 B QP LISN LINE Condition

EUT : 4G mobile phone

: G01001 Model Test Mode : PC mode
Power Rating : AC 120V/60Hz
Environment : Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: MT.liang

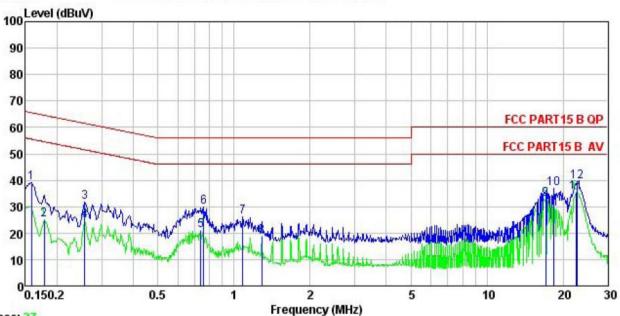
Remark

| iomarii     | Freq   | Read<br>Level | LISN<br>Factor | Cable<br>Loss | Level | Limit<br>Line | Over<br>Limit | Remark  |
|-------------|--------|---------------|----------------|---------------|-------|---------------|---------------|---------|
|             | MHz    | dBu∀          | dB             | ₫B            | dBu∜  | dBu∜          | <u>dB</u>     |         |
| 1           | 0.154  | 18.71         | 0.27           | 10.78         | 29.76 | 55.78         | -26.02        | Average |
| 1<br>2<br>3 | 0.158  | 26.57         | 0.27           | 10.78         | 37.62 | 65.56         | -27.94        | QP      |
| 3           | 0.299  | 12.92         | 0.26           | 10.74         | 23.92 | 50.28         | -26.36        | Average |
| 4           | 0.318  | 20.73         | 0.26           | 10.74         | 31.73 | 59.75         | -28.02        | QP      |
| 5           | 0.739  | 19.41         | 0.22           | 10.79         | 30.42 | 56.00         | -25.58        | QP      |
| 4<br>5<br>6 | 0.739  | 11.14         | 0.22           | 10.79         | 22.15 | 46.00         | -23.85        | Average |
| 7           | 3.840  | 16.59         | 0.28           | 10.89         | 27.76 | 56.00         | -28.24        | QP      |
| 8           | 5.505  | 17.60         | 0.30           | 10.83         | 28.73 | 60.00         | -31.27        | QP      |
| 9           | 6.024  | 14.30         | 0.31           | 10.82         | 25.43 | 50.00         | -24.57        | Average |
| 10          | 22.535 | 28.74         | 0.44           | 10.89         | 40.07 |               | -19.93        |         |
| 11          | 22.655 | 25.11         | 0.44           | 10.89         | 36.44 | 50.00         | -13.56        | Average |









Trace: 27

Site

: CCIS Shielding Room : FCC PART15 B QP LISN NEUTRAL Condition

EUT : 4G mobile phone

: GO1001 Model Test Mode : PC mode
Power Rating : AC 120V/60Hz
Environment : Temp: 23 °C Huni:56% Atmos:101KPa
Test Engineer: MT.liang

Remark

| Even   | Read   | LISN  | Cable  | I 1  | Limit  | Over  | Paraula  |
|--------|--|---|--|--|--|---|--|
| rreq   | rever  | ractor  | LOSS   | rever  | Line   | Limit   | Kemark   |
| MHz    | dBu∀   | ₫B  | ₫B   | dBu∜   | dBu∜   | ₫B  |  |
| 0.158  | 28.13  | 0.25  | 10.78  | 39.16  | 65.56  | -26.40  | QP   |
| 0.178  | 13.91  | 0.25  | 10.77  | 24.93  | 54.59  | -29.66  | Average  |
| 0.258  | 20.78  | 0.26  | 10.75  | 31.79  | 61.51  | -29.72  | QP   |
| 0.258  | 13.83  | 0.26  | 10.75  | 24.84  | 51.51  | -26.67  | Average  |
| 0.739  | 10.10  | 0.19  | 10.79  | 21.08  | 46.00  | -24.92  | Average  |
| 0.759  | 18.91  | 0.19  | 10.80  | 29.90  | 56.00  | -26.10  | QP   |
| 1.082  | 15.19  | 0.23  | 10.88  | 26.30  | 56.00  | -29.70  | QP   |
| 1.289  | 7.78   | 0.25  | 10.90  | 18.93  | 46.00  | -27.07  | Average  |
| 17.018 | 21.85  | 0.25  | 10.91  | 33.01  | 50.00  | -16.99  | Average  |
| 18.328 | 25.83  | 0.26  | 10.91  | 37.00  | 60.00  | -23.00  | QP   |
| 22.416 | 24.29  | 0.37  | 10.90  | 35.56  | 50.00  | -14.44  | Average  |
| 22.775 | 28.19  | 0.39  | 10.89  | 39.47  | 60.00  | -20.53  | QP   |
|        | MHz  0. 158 0. 178 0. 258 0. 258 0. 739 0. 759 1. 082 1. 289 17. 018 18. 328 22. 416 | MHz dBuV  0.158 28.13 0.178 13.91 0.258 20.78 0.258 13.83 0.739 10.10 0.759 18.91 1.082 15.19 1.289 7.78 17.018 21.85 18.328 25.83 22.416 24.29 | MHz         dBuV         dB           0.158         28.13         0.25           0.178         13.91         0.25           0.258         20.78         0.26           0.258         13.83         0.26           0.739         10.10         0.19           0.759         18.91         0.19           1.082         15.19         0.23           1.289         7.78         0.25           17.018         21.85         0.25           18.328         25.83         0.26           22.416         24.29         0.37 | Freq Level Factor Loss    MHz   dBuV   dB   dB | MHz         dBuV         dB         dB         dBuV           0.158         28.13         0.25         10.78         39.16           0.178         13.91         0.25         10.77         24.93           0.258         20.78         0.26         10.75         31.79           0.258         13.83         0.26         10.75         24.84           0.739         10.10         0.19         10.79         21.08           0.759         18.91         0.19         10.80         29.90           1.082         15.19         0.23         10.88         26.30           1.289         7.78         0.25         10.90         18.93           17.018         21.85         0.25         10.91         33.01           18.328         25.83         0.26         10.91         37.00           22.416         24.29         0.37         10.90         35.56 | MHz         dBuV         dB         dB         dBuV         dBuV           0.158         28.13         0.25         10.78         39.16         65.56           0.178         13.91         0.25         10.77         24.93         54.59           0.258         20.78         0.26         10.75         31.79         61.51           0.258         13.83         0.26         10.75         24.84         51.51           0.739         10.10         0.19         10.79         21.08         46.00           0.759         18.91         0.19         10.80         29.90         56.00           1.082         15.19         0.23         10.88         26.30         56.00           1.289         7.78         0.25         10.90         18.93         46.00           17.018         21.85         0.25         10.91         33.01         50.00           18.328         25.83         0.26         10.91         37.00         60.00           22.416         24.29         0.37         10.90         35.56         50.00 | MHz         dBuV         dB         dB         dBuV         dBuV         dB           0.158         28.13         0.25         10.78         39.16         65.56         -26.40           0.178         13.91         0.25         10.77         24.93         54.59         -29.66           0.258         20.78         0.26         10.75         31.79         61.51         -29.72           0.258         13.83         0.26         10.75         24.84         51.51         -26.67           0.739         10.10         0.19         10.79         21.08         46.00         -24.92           0.759         18.91         0.19         10.80         29.90         56.00         -26.10           1.082         15.19         0.23         10.88         26.30         56.00         -29.70           1.289         7.78         0.25         10.90         18.93         46.00         -27.07           17.018         21.85         0.25         10.91         33.01         50.00         -16.99           18.328         25.83         0.26         10.91         37.00         60.00         -23.00           22.416         24.29         0.37 |

#### Notes:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT
- 2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.





### 6.2 Radiated Emission

| 6.2 Radiated Emission |  |                    |  |                          |  |        |                          |  |  |
|-----------------------|--|--------------------|--|--------------------------|--|--------|--------------------------|--|--|
| Test Requirement:     | FCC Part 15 B Section 15.109                     |                    |  |                          |  |        |                          |  |  |
| Test Method:          | ANSI C63.4:2009                                  |                    |  |                          |  |        |                          |  |  |
| Test Frequency Range: | 30MHz to 6000MHz                                 |                    |  |                          |  |        |                          |  |  |
| Test site:            | Measurement Distance: 3m (Semi-Anechoic Chamber) |                    |  |                          |  |        |                          |  |  |
| Receiver setup:       | Frequency Detector RBW V                         |                    |  |                          |  |        | Remark                   |  |  |
|                       | 30MHz-<br>1GHz Quasi-p                           |                    |  |                          | 300k   |        | Quasi-peak Value         |  |  |
|                       | Above 1GHz                                       | Peak<br>RMS        |  | 1MHz<br>1MHz             | 3MHz<br>3MHz   |        | Peak Value Average Value |  |  |
| Limit:                | Frequen  |                    |  | (dBuV/m @                |  |        | Remark                   |  |  |
| Liiiit.               | 30MHz-88   | •                  |  | 40.0                     | 70111)   | (      | Quasi-peak Value         |  |  |
|                       | 88MHz-216  |                    |  | 43.5                     |  |        | Quasi-peak Value         |  |  |
|                       | 216MHz-96  |                    |  | 46.0                     |  |        | Quasi-peak Value         |  |  |
|                       | 960MHz-1   |                    |  | 54.0                     |  |        |                          |  |  |
|                       | 300IVII 12-1                                     | OFIZ               |  |                          |  |        | Quasi-peak Value         |  |  |
|                       | Above 10   | GHz -              |  | 54.0<br>74.0             |  |        | Average Value Peak Value |  |  |
| Test setup:           | Below 1GHz                                       |                    |  |                          |  |        |                          |  |  |
|                       | EUT  | AE EUT (Turntable) |  | 3m round Reference Plane | Antenna Search Antenna RF Test Receiver — Horn Antenna | h h na | untenna Tower            |  |  |





|                     | <del>,</del>  |  |  |  |  |  |  |  |
|---------------------|---|--|--|--|--|--|--|--|
| Test Procedure:     | <ol> <li>The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> </ol> |  |  |  |  |  |  |  |
|                     | 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.   |  |  |  |  |  |  |  |
|                     | 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.   |  |  |  |  |  |  |  |
|                     | 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.   |  |  |  |  |  |  |  |
|                     | 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.                      |  |  |  |  |  |  |  |
| Test environment:   | Temp.: 25 °C Humid.: 55% Press.: 1 01kPa  |  |  |  |  |  |  |  |
| Measurement Record: | Uncertainty: 4.88dB   |  |  |  |  |  |  |  |
| Test Instruments:   | Refer to section 5.7 for details  |  |  |  |  |  |  |  |
| Test mode:          | Refer to section 5.3 for details  |  |  |  |  |  |  |  |
| Test results:       | Passed  |  |  |  |  |  |  |  |

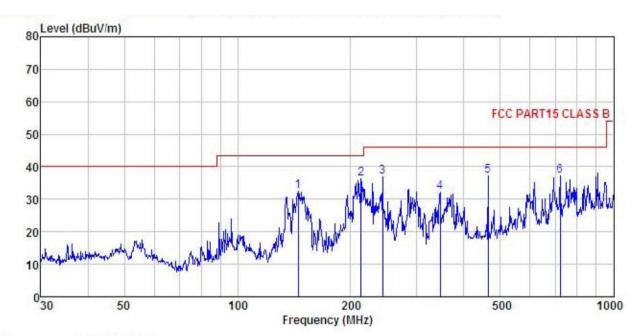




#### **Measurement Data**

#### **Below 1GHz**

Horizontal:



Site : 3m chamber

Condition : FCC PART15 CLASS B 3m VULB9163(30M1G) HORIZONTAL

EUT : 4G mobile phone

Model : GO1001

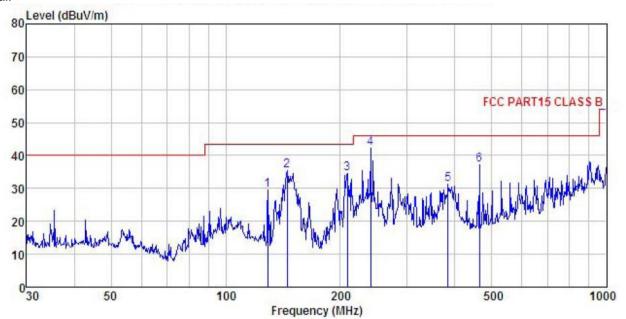
Test mode : PC Mode Power Rating : AC 120V/60Hz Environment : Temp:25.5°C Huni:55% Test Engineer: MT REMARK

| Freq    |  |   |  |  |   |  | Over<br>Limit  | Remark  |
|---------|--|---|--|--|---|--|--|---|
| MHz     | dBu∜   | <u>dB</u> /m  | d <u>B</u>   | dB   | $\overline{dBuV/m}$   | dBuV/m   | dB   |   |
| 144.842 | 52.25  | 8.23  | 1.29   | 29.25  | 32.52   | 43.50  | -10.98   | QP  |
| 213.015 | 52.54  | 10.97   | 1.45   | 28.75  | 36.21   | 43.50  | -7.29  | QP  |
| 243.377 | 51.76  | 12.08   | 1.59   | 28.58  | 36.85   | 46.00  | -9.15  | QP  |
| 345.595 | 44.55  | 14.20   | 1.92   | 28.55  | 32.12   | 46.00  | -13.88   | QP  |
| 463.970 | 48.08  | 15.71   | 2.30   | 28.89  | 37.20   | 46.00  | -8.80  | QP  |
| 721.726 | 43.72  | 19.10   | 2.97   | 28.58  | 37.21   | 46.00  | -8.79  | QP  |
|         | MHz<br>144.842<br>213.015<br>243.377<br>345.595<br>463.970 | Freq Level  MHz dBuV  144.842 52.25 213.015 52.54 243.377 51.76 345.595 44.55 463.970 48.08 | Freq Level Factor  MHz dBuV dB/m  144.842 52.25 8.23 213.015 52.54 10.97 243.377 51.76 12.08 345.595 44.55 14.20 463.970 48.08 15.71 | MHz         dBuV         dB/m         dB           144.842         52.25         8.23         1.29           213.015         52.54         10.97         1.45           243.377         51.76         12.08         1.59           345.595         44.55         14.20         1.92           463.970         48.08         15.71         2.30 | MHz         dBuV         dB/m         dB         dB           144.842         52.25         8.23         1.29         29.25           213.015         52.54         10.97         1.45         28.75           243.377         51.76         12.08         1.59         28.58           345.595         44.55         14.20         1.92         28.55           463.970         48.08         15.71         2.30         28.89 | MHz         dBuV         dB/m         dB         dB         dBuV/m           144.842         52.25         8.23         1.29         29.25         32.52           213.015         52.54         10.97         1.45         28.75         36.21           243.377         51.76         12.08         1.59         28.58         36.85           345.595         44.55         14.20         1.92         28.55         32.12           463.970         48.08         15.71         2.30         28.89         37.20 | MHz dBuV dB/m dB dB dBuV/m dBuV/m  144.842 52.25 8.23 1.29 29.25 32.52 43.50 213.015 52.54 10.97 1.45 28.75 36.21 43.50 243.377 51.76 12.08 1.59 28.58 36.85 46.00 345.595 44.55 14.20 1.92 28.55 32.12 46.00 463.970 48.08 15.71 2.30 28.89 37.20 46.00 | MHz         dBuV         dB/m         dB         dB         dBuV/m         dBuV/m <t< td=""></t<> |





#### Vertical:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M1G) VERTICAL Condition

EUT : 4G mobile phone

: GO1001 Model Test mode : PC Mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5°C Huni:55%
Test Engineer: MT

REMARK

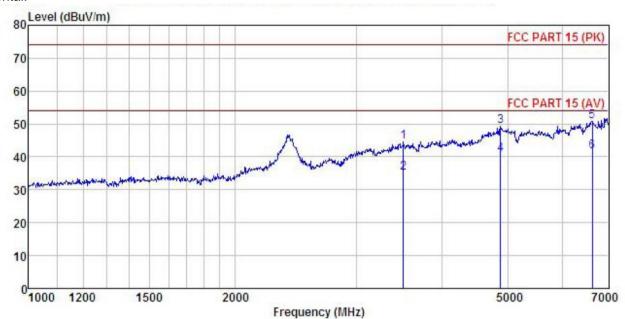
| and at |         |       | Antenna |      |        |        | Limit  | Over      |        |
|--------|---------|-------|---------|------|--------|--------|--------|-----------|--------|
|        | Freq    | Level | Factor  | Loss | Factor | Level  | Line   | Limit     | Remark |
| -      | MHz     | dBu₹  | dB/m    | ₫B   | dB     | dBuV/m | dBuV/m | <u>dB</u> |        |
| 1      | 129.015 | 48.62 | 9.12    | 1.19 | 29.33  | 29.60  | 43.50  | -13.90    | QP     |
| 2      | 144.842 | 55.10 | 8.23    | 1.29 | 29.25  | 35.37  | 43.50  | -8.13     | QP     |
| 2      | 208.580 | 51.08 | 10.84   | 1.42 | 28.78  | 34.56  | 43.50  | -8.94     | QP     |
| 4      | 239.987 | 57.20 | 12.09   | 1.58 | 28.59  | 42.28  | 46.00  | -3.72     | QP     |
| 4<br>5 | 383.932 | 43.17 | 14.68   | 2.06 | 28.71  | 31.20  | 46.00  | -14.80    | QP     |
| 6      | 463.970 | 48.19 | 15.71   | 2.30 | 28.89  | 37.31  | 46.00  | -8.69     | QP     |
|        |         |       |         |      |        |        |        |           |        |





#### **Above 1GHz**

#### Horizontal:



Site

: 3m chamber : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL Condition

EUT : 4G mobile phone

Model : G01001
Test mode : PC Mode
Power Rating : AC 120V/60Hz

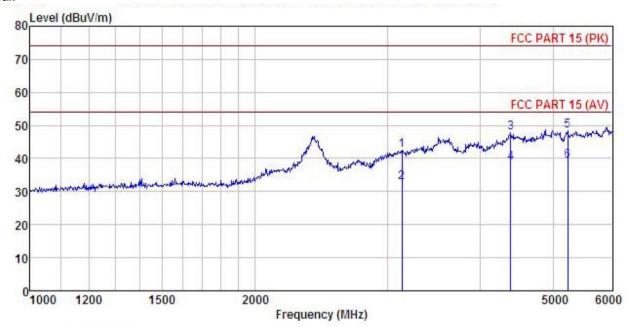
Environment : Temp: 25.5°C Huni: 55% Test Engineer: MT REMARK :

| mar. | <i>r</i> : |       |         |           |            |                     |        |           |         |
|------|------------|-------|---------|-----------|------------|---------------------|--------|-----------|---------|
|      |            |       | Antenna |           |            |                     | Limit  |           |         |
|      | Freq       | Level | Factor  | Loss      | Factor     | Level               | Line   | Limit     | Remark  |
|      | MHz        | dBu∜  | dB/m    | <u>dB</u> | <u>d</u> B | $\overline{dBuV/m}$ | dBu√/m | <u>dB</u> |         |
| 1    | 3515.065   | 46.43 | 28.95   | 8.81      | 39.71      | 44.48               | 74.00  | -29.52    | Peak    |
| 2    | 3515.065   | 37.02 | 28.95   | 8.81      | 39.71      | 35.07               | 54.00  | -18.93    | Average |
| 3    | 4874.272   | 47.30 | 31.57   | 10.64     | 40.15      | 49.36               | 74.00  | -24.64    | Peak    |
| 4    | 4874.272   | 38.70 | 31.57   | 10.64     | 40.15      | 40.76               | 54.00  | -13.24    | Average |
| 5    | 6628.806   | 45.51 | 34.55   | 11.97     | 41.24      | 50.79               | 74.00  | -23.21    | Peak    |
| 6    | 6628.806   | 36.25 | 34.55   | 11.97     | 41.24      | 41.53               | 54.00  | -12.47    | Average |





#### Vertical:



Site

: 3m chamber : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL Condition

EUT : 4G mobile phone

Model : GO1001
Test mode : PC Mode
Power Rating : AC 120V/60Hz
Environment : Temp: 25.5 C Huni: 55%

Test Engineer: MT REMARK :

| PHETT | •        |       | •       |       |        |        |        | 1-12-1-12-12-12-12-12-12-12-12-12-12-12- |         |  |
|-------|----------|-------|---------|-------|--------|--------|--------|--|---------|--|
|       |          | Kead  | Antenna | Cable | Preamp |        | Limit  | Over                                     |         |  |
|       | Freq     | Level | Factor  | Loss  | Factor | Level  | Line   | Limit                                    | Remark  |  |
|       | MHz      | dBu∜  | dB/m    | dB    | dB     | dBu√/m | dBu√/m | <u>dB</u>                                |         |  |
| 1     | 3139.913 | 46.18 | 28.81   | 8.11  | 40.66  | 42.44  | 74.00  | -31.56                                   | Peak    |  |
| 2     | 3139.913 | 36.58 | 28.81   | 8.11  | 40.66  | 32.84  | 54.00  | -21.16                                   | Average |  |
| 3     | 4388.080 | 47.94 | 30.54   | 10.10 | 40.78  |        |        | -26.20                                   |         |  |
| 4     | 4388.080 | 38.77 | 30.54   | 10.10 | 40.78  | 38.63  | 54.00  | -15.37                                   | Average |  |
| 5     | 5227.973 | 45.67 | 31.83   | 11.05 | 40.11  | 48.44  | 74.00  | -25.56                                   | Peak    |  |
| 6     | 5227.973 | 36.63 | 31.83   | 11.05 | 40.11  |        |        | -14.60                                   | Average |  |
|       |          |       |         |       |        |        |        |  |         |  |