# **FCC REPORT**

**Applicant:** AZUMI S.A

Avenida Aquilino de la Guardia con Calle 47, PH Ocean Plaza,

Address of Applicant: Piso 16 of. 16-01, Marbella, Ciudad de Panamá City, Rep.

Panamá

**Equipment Under Test (EUT)** 

Product Name: Mobile phone

Model No.: A40M

FCC ID: QRP-AZUMIA40M

**Applicable standards:** FCC CFR Title 47 Part 15 Subpart B

Date of sample receipt: 26 Sep., 2014

**Date of Test:** 27 Sep., to 11 Oct., 2014

Date of report issued: 13 Oct., 2014

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          | 13 Oct., 2014 | Original    |
|             |               |             |
|             |               |             |
|             |               |             |
|             |               |             |

Prepared by: Yoy0 Lu0 Date: 13 Oct., 2014

Report Clerk

Reviewed by: Date: 13 Oct., 2014

Project Engineer



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|   |     |                                   | age |
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# 4 Test Summary

| Test Item          | Section in CFR 47 | Result |  |  |
|--------------------|-------------------|--------|--|--|
| Conducted Emission | Part15.107        | Pass   |  |  |
| Radiated Emission  | Part15.109        | Pass   |  |  |

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



## 5 General Information

#### 5.1 Client Information

| Applicant:               | AZUMI S.A  |
|--------------------------|--|
| Address of Applicant:    | Avenida Aquilino de la Guardia con Calle 47, PH Ocean Plaza, Piso 16 of. 16-01, Marbella, Ciudad de Panamá City, Rep. Panamá |
| Manufacturer :           | AZUMI (HK) Limited   |
| Address of Manufacturer: | RM 2309, 23/F HO KING COMM CTR, 2-16 FAYUEN ST, MONGKOKKOWLOON, HONG KONG  |
| Factory:                 | SHENZHEN CHINO-E ELECTRONIC INDUSTRY CO.,LTD.  |
| Address of Factory:      | chino-E Industrial Park,longhua ,Baoan Area,shenzhen   |

## 5.2 General Description of E.U.T.

| Product Name: | Mobile phone                               |
|---------------|--|
| Model No.:    | A40M                                       |
| Power supply: | Rechargeable Li-ion Battery DC3.8V-1450mAh |
|               | Model:SC050060-US                          |
| AC adapter :  | Input: AC 100-240V 50/60Hz 0.15A           |
|               | Output: DC 5.0V, 600mA                     |

## 5.3 Test Mode

| Operating mode Detail description |  |  |  |
|-----------------------------------|--|--|--|
| PC mode                           | Keep the EUT in Downloading mode(Worst case) |  |  |
| Recording mode                    | Keep the EUT in Recording mode               |  |  |
| Playing mode                      | Keep the EUT in Playing mode                 |  |  |
| FM mode                           | Keep the EUT in FM 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         | DELL MONITOR  |             | N/A           | DoC        |
| DELL         | DELL KEYBOARD |             | N/A           | DoC        |
| DELL         | MOUSE         | MOC5UO      | N/A           | DoC        |
| HP           | HP Printer    |             | 05257893      | DoC        |
| MERCURY      |               |             | 12922104015   | 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: 0755-23118282 Fax: 0755-23116366



Project No.: CCIS140900815RF

## 5.7 Test Instruments list

| Radiated Emission: |  |   |                             |                  |                         |                             |  |  |  |
|--------------------|--|---|-----------------------------|------------------|-------------------------|-----------------------------|--|--|--|
| Item               | Test Equipment   | Test Equipment   Manufacturer   Model No. |                             | Inventory<br>No. | Cal. Date<br>(mm-dd-yy) | Cal. Due date<br>(mm-dd-yy) |  |  |  |
| 1                  | 3m Semi- Anechoic<br>Chamber                             | SAEMC                                     | 9(L)*6(W)* 6(H)             | CCIS0001         | Aug 23 2014             | Aug 22 2017                 |  |  |  |
| 2                  | BiConiLog Antenna  | SCHWARZBECK<br>MESS-ELEKTRONIK            | VULB9163                    | CCIS0005         | Apr 19 2014             | Apr 19 2015                 |  |  |  |
| 3                  | Double -ridged waveguide horn                            | SCHWARZBECK<br>MESS-ELEKTRONIK            | BBHA9120D                   | CCIS0006         | Apr 19 2014             | Apr 19 2015                 |  |  |  |
| 4                  | EMI Test Software  | AUDIX                                     | E3                          | N/A              | N/A                     | N/A                         |  |  |  |
| 5                  | Coaxial Cable  | CCIS                                      | N/A                         | CCIS0016         | Apr. 01 2014            | Mar. 31 2015                |  |  |  |
| 6                  | Coaxial Cable  | CCIS                                      | N/A                         | CCIS0017         | Apr. 01 2014            | Mar. 31 2015                |  |  |  |
| 7                  | Coaxial cable  | CCIS                                      | N/A                         | CCIS0018         | Apr. 01 2014            | Mar. 31 2015                |  |  |  |
| 8                  | Coaxial Cable  | CCIS                                      | N/A                         | CCIS0019         | Apr. 01 2014            | Mar. 31 2015                |  |  |  |
| 9                  | Coaxial Cable  | CCIS                                      | N/A                         | CCIS0087         | Apr. 01 2014            | Mar. 31 2015                |  |  |  |
| 10                 | Amplifier(10kHz-<br>1.3GHz)                              | HP  | 8447D                       | CCIS0003         | Apr. 01 2014            | Mar. 31 2015                |  |  |  |
| 11                 | Amplifier(1GHz- Compliance Direction 18GHz) Systems Inc. |   | PAP-1G18                    | CCIS0011         | June 09 2014            | June 08 2015                |  |  |  |
| 12                 | Pre-amplifier<br>(18-26GHz)                              | Rohde & Schwarz                           | AFS33-18002<br>650-30-8P-44 | GTS218           | Apr. 01 2014            | Mar. 31 2015                |  |  |  |
| 13                 | Horn Antenna   | ETS-LINDGREN                              | 3160                        | GTS217           | Mar. 30 2014            | Mar. 29 2015                |  |  |  |
| 14                 | Printer  | HP  | HP LaserJet P1007           | N/A              | N/A                     | N/A                         |  |  |  |
| 15                 | Positioning Controller                                   | UC  | UC3000                      | CCIS0015         | N/A                     | N/A                         |  |  |  |
| 16                 | Spectrum analyzer<br>9k-30GHz                            | Rohde & Schwarz                           | FSP                         | CCIS0023         | Apr 19 2014             | Apr 19 2015                 |  |  |  |
| 17                 | EMI Test Receiver  | Rohde & Schwarz                           | ESPI                        | CCIS0022         | Apr 01 2014             | Mar. 31 2015                |  |  |  |
| 18                 | Loop antenna   | Laplace instrument                        | RF300                       | EMC0701          | Apr 01 2014             | Mar. 31 2015                |  |  |  |
| 19                 | Universal radio communication tester                     | Rhode & Schwarz                           | CMU200                      | CCIS0069         | May. 29 2014            | May. 28 2015                |  |  |  |
| 20                 | Signal Analyzer  | Rohde & Schwarz                           | FSIQ3                       | CCIS0088         | Apr 19 2014             | Apr 19 2015                 |  |  |  |

| Cond | Conducted Emission: |                    |                        |                            |              |              |  |  |  |  |
|------|---------------------|--------------------|------------------------|----------------------------|--------------|--------------|--|--|--|--|
| Item | Test Equipment      | Inventory<br>No.   | Cal.Date<br>(mm-dd-yy) | Cal.Due date<br>(mm-dd-yy) |              |              |  |  |  |  |
| 1    | Shielding Room      | ZhongShuo Electron | 11.0(L)x4.0(W)x3.0(H)  | CCIS0061                   | Oct 10 2012  | Oct 09 2015  |  |  |  |  |
| 2    | EMI Test Receiver   | Rohde & Schwarz    | ESCI                   | CCIS0002                   | Apr 10 2014  | Apr 09 2015  |  |  |  |  |
| 3    | LISN                | CHASE              | MN2050D                | CCIS0074                   | Apr 10 2014  | Apr 10 2015  |  |  |  |  |
| 4    | Coaxial Cable       | CCIS               | N/A                    | CCIS0086                   | Apr. 01 2014 | Mar. 31 2015 |  |  |  |  |

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# 6 Test results and Measurement Data

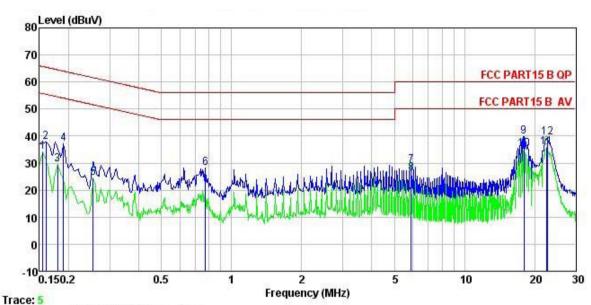
## 6.1 Conducted Emission

| Test Requirement:     | FCC Part15 B Section 15.107   | FCC Part15 B Section 15.107 |                     |  |  |  |  |  |  |
|-----------------------|---|-----------------------------|---------------------|--|--|--|--|--|--|
| Test Method:          | ANSI C63.4:2003   | ANSI C63.4:2003             |                     |  |  |  |  |  |  |
| Test Frequency Range: | 150kHz to 30MHz   |                             |                     |  |  |  |  |  |  |
| Class / Severity:     | Class B   | 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                  |  |  |  |  |  |  |
|                       | 0.5-30  | 60                          | 50                  |  |  |  |  |  |  |
| Test procedure        | Reference Plane  LISN 40cm 80cm Filter AC power  Equipment  Test table/Insulation plane  Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m   |                             |                     |  |  |  |  |  |  |
| Test procedure        | <ol> <li>The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs).</li> <li>Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2003 on conducted measurement.</li> </ol> |                             |                     |  |  |  |  |  |  |
| Test environment:     | Temp.: 23 °C Humid  | d.: 56%                     | Press.: 1 01kPa     |  |  |  |  |  |  |
| Measurement Record:   |   |                             | Uncertainty: 3.28dB |  |  |  |  |  |  |
| Test Instruments:     | Refer to section 5.7 for details  |                             |                     |  |  |  |  |  |  |
| Test mode:            | Refer to section 5.3 for details  |                             |                     |  |  |  |  |  |  |
| Test results:         | Passed  |                             |                     |  |  |  |  |  |  |



#### Measurement data:

Line:



: CCIS Shielding Room : FCC PART15 B QP LISN LINE : 815RF Site Condition

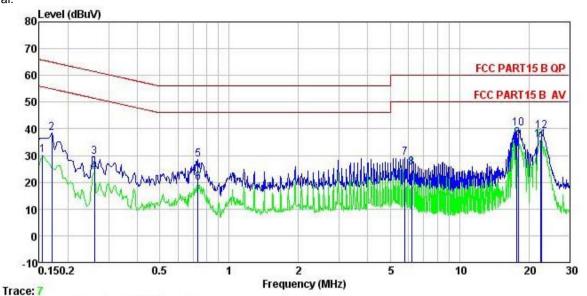
Job. no Model : A40M
Test Mode : PC Mode
Power Rating : AC 120V/60Hz
Environment : Temp: 23 °C Huni:56% Atmos:101KPa
Test Engineer: MT
Remark

Remark

| Kemark                                    | Freq   | Read<br>Level | LISN<br>Factor | Cable<br>Loss | Level | Limit<br>Line | Over<br>Limit | Remark  |  |
|---|--------|---------------|----------------|---------------|-------|---------------|---------------|---------|--|
| 300                                       | MHz    | dBu∇          | <u>d</u> B     |               | dBu₹  | dBu∇          | <u>ab</u>     |         |  |
| 1   | 0.155  | 23.00         | 0.27           | 10.78         | 34.05 | 55.74         | -21.69        | Average |  |
| 2   | 0.160  | 26.80         | 0.27           | 10.78         | 37.85 | 65.47         | -27.62        | QP      |  |
| 3   | 0.180  | 18.31         | 0.28           | 10.77         | 29.36 | 54.50         | -25.14        | Average |  |
| 4   | 0.190  | 25.97         | 0.28           | 10.76         | 37.01 | 64.02         | -27.01        | QP      |  |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9 | 0.255  | 13.57         | 0.27           | 10.75         | 24.59 | 51.60         | -27.01        | Average |  |
| 6   | 0.771  | 17.26         | 0.23           | 10.80         | 28.29 |               | -27.71        |         |  |
| 7   | 5.898  | 18.22         | 0.31           | 10.82         | 29.35 | 60.00         | -30.65        | QP      |  |
| 8   | 5.898  | 15.02         | 0.31           | 10.82         | 26.15 | 50.00         | -23.85        | Average |  |
| 9   | 17.944 | 28.57         | 0.33           | 10.90         | 39.80 | 60.00         | -20.20        | QP      |  |
| 10  | 17.944 | 23.78         | 0.33           | 10.90         | 35.01 | 50.00         | -14.99        | Average |  |
| 11  | 22.535 | 24.49         | 0.44           | 10.89         | 35.82 | 50.00         | -14.18        | Average |  |
| 12  | 22.655 | 28.06         | 0.44           | 10.89         | 39.39 | 60.00         | -20.61        | QP      |  |
|   |        |               |                |               |       |               |               |         |  |



#### Neutral:



Site

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

815RF Job. no EUT : Mobile phone Model : A40M
Test Mode : PC Mode
Power Rating : AC 120V/60Hz
Environment : Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: MT

| emark  |        |               |                |               |       | (23) (FFS)    |               |         |
|--------|--------|---------------|----------------|---------------|-------|---------------|---------------|---------|
|        | Freq   | Read<br>Level | LISN<br>Factor | Cable<br>Loss | Level | Limit<br>Line | Over<br>Limit | Remark  |
| V-50-0 | MHz    | dBu∜          | dB             | d₿            | dBu₹  | dBu∀          | d₿            |         |
| 1      | 0.155  | 19.24         | 0.25           | 10.78         | 30.27 | 55.74         | -25.47        | Average |
| 2      | 0.170  | 27.47         | 0.25           | 10.77         | 38.49 | 64.94         | -26.45        | QP      |
| 3      | 0.260  | 18.62         | 0.26           | 10.75         | 29.63 | 61.42         | -31.79        | QP      |
| 4      | 0.260  | 12.83         | 0.26           | 10.75         | 23.84 | 51.42         | -27.58        | Average |
| 5      | 0.731  | 17.47         | 0.18           | 10.78         | 28.43 | 56.00         | -27.57        | QP      |
| 6      | 0.731  | 8.86          | 0.18           | 10.78         | 19.82 | 46.00         | -26.18        | Average |
| 7      | 5.805  | 17.97         | 0.27           | 10.83         | 29.07 | 60.00         | -30.93        | QP      |
| 8      | 6.186  | 14.52         | 0.27           | 10.82         | 25.61 | 50.00         | -24.39        | Average |
| 9      | 17.755 | 25.24         | 0.26           | 10.90         | 36.40 | 50.00         | -13.60        | Average |
| 10     | 18.039 | 29.03         | 0.26           | 10.90         | 40.19 | 60.00         | -19.81        | QP      |
| 11     | 22.416 | 24,50         | 0.37           | 10.90         | 35.77 | 50.00         | -14.23        | Average |
| 12     | 22.655 | 27.81         | 0.38           | 10.89         | 39.08 | 60.00         | -20.92        | QP      |

#### Notes:

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

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## 6.2 Radiated Emission

| 0.2 Radiated Lillission |  |            |             |         |                  |  |  |
|-------------------------|--|------------|-------------|---------|------------------|--|--|
| Test Requirement:       | FCC Part15 B Section 15.109                      |            |             |         |                  |  |  |
| Test Method:            | ANSI C63.4:2003                                  |            |             |         |                  |  |  |
| Test Frequency Range:   | 30MHz to 6000MHz                                 |            |             |         |                  |  |  |
| Test site:              | Measurement Distance: 3m (Semi-Anechoic Chamber) |            |             |         |                  |  |  |
| Receiver setup:         | Frequency  | Detector   | RBW         | VBW     | Remark           |  |  |
|                         | 30MHz-1GHz                                       | Quasi-peak | 120 kHz     | 300KHz  | Quasi-peak Value |  |  |
|                         | Above 1GHz Peak                                  |            | 1MHz        | 3MHz    | Peak Value       |  |  |
|                         | Above Toriz                                      | Peak       | 1MHz        | 10Hz    | Average Value    |  |  |
| Limit:                  | Freque   | ency       | Limit (dBuV | /m @3m) | Remark           |  |  |
|                         | 30MHz-8  | 8MHz       | 40.0        |         | Quasi-peak Value |  |  |
|                         | 88MHz-2  |            | 43.5        | 5       | Quasi-peak Value |  |  |
|                         | 216MHz-9   | 60MHz      | 46.0        |         | Quasi-peak Value |  |  |
|                         | 960MHz-  | ·1GHz      | 54.0        |         | Quasi-peak Value |  |  |
|                         | Above 1  | IGHz       | 54.0        |         | Average Value    |  |  |
|                         |  |            | 74.0        | )       | Peak Value       |  |  |
|                         | Ground Plane –  Above 1GHz                       |            |             |         |                  |  |  |



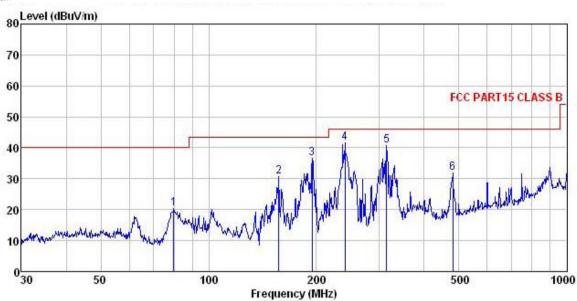
| Test Procedure:     | The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.   |  |  |  |  |  |  |  |
|---------------------|--|--|--|--|--|--|--|--|
|                     | 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.   |  |  |  |  |  |  |  |
|                     | 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.  |  |  |  |  |  |  |  |
|                     | 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 : FCC PART15 CLASS B 3m VULB9163(30M1G) HORIZONTAL : Mobile Phone Condition

EUT

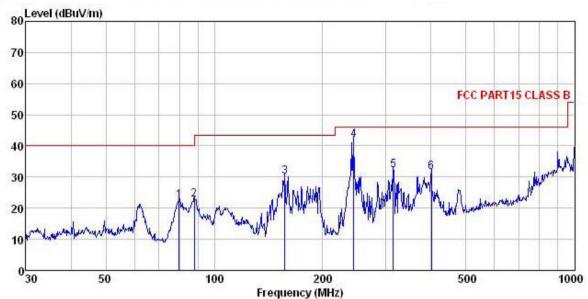
model : A40M
Test mode : PC Mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C
Test Engineer: MT
REMARK

Huni:55%

|             | Freq    |       | Antenna<br>Factor |      |       |       | Limit<br>Line | Over<br>Limit | Remark |
|-------------|---------|-------|-------------------|------|-------|-------|---------------|---------------|--------|
| 5.70        | MHz     | dBm   | dB/m              | ₫B   | dB    | dBm/m | dBm/m         | dB            |        |
| 1           | 79.800  | 40.60 | 8.54              | 0.85 | 29.64 | 20.35 | 40.00         | -19.65        | QP     |
| 1<br>2<br>3 | 157.007 | 49.86 | 8.54              | 1.33 | 29.16 | 30.57 | 43.50         | -12.93        | QP     |
| 3           | 194.453 | 53.58 | 10.56             | 1.37 | 28.87 | 36.64 | 43.50         | -6.86         | QP     |
| 4<br>5      | 239.987 | 56.56 | 12.09             | 1.58 | 28.59 | 41.64 | 46.00         | -4.36         | QP     |
| 5           | 314.377 | 54.14 | 13.26             | 1.82 | 28.48 | 40.74 | 46.00         | -5.26         | QP     |
| 6           | 480.528 | 42.29 | 16.07             | 2.35 | 28.92 | 31.79 | 46.00         | -14.21        | QP     |



#### Vertical:



Site Condition

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

EUT : Mobile Phone Model : A40M
Test mode : PC Mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55%

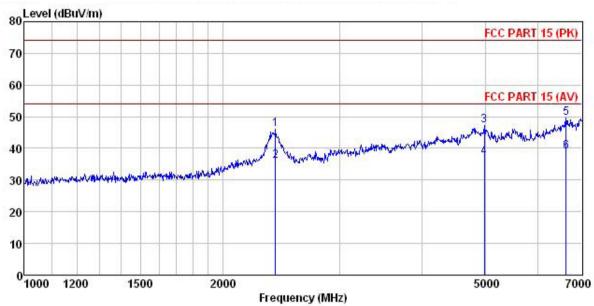
Test Engineer: MT REMARK :

| THUTTE | •       |       |                   |           |           |        |               |            |        |
|--------|---------|-------|-------------------|-----------|-----------|--------|---------------|------------|--------|
|        | Freq    |       | Antenna<br>Factor |           |           |        | Limit<br>Line |            | Remark |
| _      | MHz     | dBm   | <u>dB</u> /m      | <u>ab</u> | <u>dB</u> | _dBm/m | dBm/m         | <u>d</u> B |        |
| 1      | 79.800  | 42.73 | 8.54              | 0.85      | 29.64     | 22.48  | 40.00         | -17.52     | QP     |
| 2      | 88.033  | 39.94 | 11.32             | 0.90      | 29.58     | 22.58  | 43.50         | -20.92     | QP     |
| 3      | 157.007 | 49.53 | 8.54              | 1.33      | 29.16     | 30.24  | 43.50         | -13.26     | QP     |
| 4 5    | 244.232 | 56.96 | 12.08             | 1.59      | 28.57     | 42.06  | 46.00         | -3.94      | QP     |
| 5      | 314.377 | 45.72 | 13.26             | 1.82      | 28.48     | 32.32  | 46.00         | -13.68     | QP     |
| 6      | 400 432 | 43 00 | 15 10             | 2 12      | 28 78     | 31 44  | 46 00         | -14.56     | OP     |



#### Above 1GHz

#### Horizontal:



Site

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

EUT : Mobile Phone

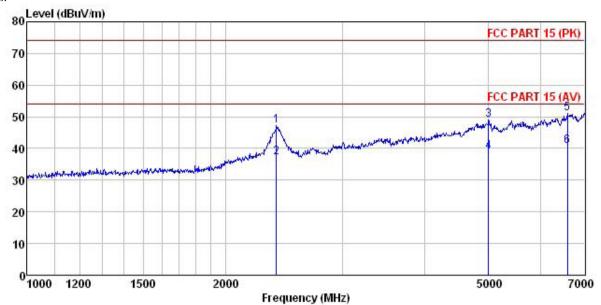
Model : A40M Test mode : PC Mode Power Rating : AC120V/60Hz Environment : Temp:25.5°C Huni:55%

Test Engineer: MT REMARK :

|     | Freq     |       | Antenna<br>Factor |       |           |        | Limit<br>Line | Over<br>Limit | Remark  |  |
|-----|----------|-------|-------------------|-------|-----------|--------|---------------|---------------|---------|--|
| -   | MHz      | dBu∜  | <u>dB</u> /π      |       | <u>ab</u> | dBuV/m | dBuV/m        | <u>dB</u>     |         |  |
| 1   | 2400.458 | 44.04 | 27.58             | 5.67  | 31.35     | 45.94  | 74.00         | -28.06        | Peak    |  |
|     | 2400.458 | 34.07 | 27.58             | 5.67  | 31.35     | 35.97  | 54.00         | -18.03        | Average |  |
| 3 . | 4979.731 | 46.34 | 31.74             | 9.10  | 40.00     | 47.18  | 74.00         | -26.82        | Peak    |  |
| 4   | 4979.731 | 36.37 | 31.74             | 9.10  | 40.00     | 37.21  | 54.00         | -16.79        | Average |  |
| 5   | 6615.919 | 45.95 | 34.55             | 10.38 | 41.23     | 49.65  | 74.00         | -24.35        | Peak    |  |
| 6   | 6615.919 | 35.23 | 34.55             | 10.38 | 41.23     | 38.93  | 54.00         | -15.07        | Average |  |



#### Vertical:



Site

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

EUT

Model : A40M Test mode : PC Mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55%

Test Engineer: MT REMARK

| THETHE |          |       |                   |       |            |        |               |               |         |  |
|--------|----------|-------|-------------------|-------|------------|--------|---------------|---------------|---------|--|
|        | Freq     |       | Antenna<br>Factor |       |            |        | Limit<br>Line | Over<br>Limit | Remark  |  |
|        | MHz      | —dBu∜ | <u>dB</u> /m      | dB    | <u>d</u> B | dBuV/m | dBuV/m        | <u>d</u> B    |         |  |
| 1      | 2386.486 | 45.27 | 27.58             | 5.67  | 31.35      | 47.17  | 74.00         | -26.83        | Peak    |  |
| 2      | 2386.486 | 35.34 | 27.58             | 5.67  | 31.35      | 37.24  | 54.00         | -16.76        | Average |  |
| 3      | 4999.149 | 48.11 | 31.79             | 9.12  | 39.98      | 49.04  | 74.00         | -24.96        | Peak    |  |
| 4      | 4999.149 | 38.09 | 31.79             | 9.12  | 39.98      | 39.02  | 54.00         | -14.98        | Average |  |
| 5      | 6590.221 | 47.41 | 34.58             | 10.38 | 41.22      | 51.15  | 74.00         | -22.85        | Peak    |  |
| 6      | 6590.221 | 37.12 | 34.58             | 10.38 | 41.22      | 40.86  | 54.00         | -13.14        | Average |  |