

# FCC REPORT

**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 Panama City, Rep.  
Panama

**Equipment Under Test (EUT)**

Product Name: Mobile phone

Model No.: Q10G

**FCC ID:** QRP-AZUMIQ10G

**Applicable standards:** FCC CFR Title 47 Part 15 Subpart B: 2011

**Date of sample receipt:** 22 Oct., 2012

**Date of Test:** 22 Oct., to 25 Oct., 2012

**Date of report issued:** 25 Oct., 2012

**Test Result :** Pass \*

\* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

A circular blue stamp with the text "CHINA CERTIFICATION & INSPECTION SERVICES" around the perimeter. In the center, there is a handwritten signature in black ink that appears to read "Bruce Zhang" and the date "2012.10.25".

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."

## 2 Version

| Version No. | Date          | Description |
|-------------|---------------|-------------|
| 00          | 25 Oct., 2012 | Original    |
|             |               |             |
|             |               |             |
|             |               |             |
|             |               |             |

**Prepared By:** Joe. Zhou **Date:** 25 Oct., 2012  
**Project Engineer**

**Check By:** Bruce Zhang **Date:** 25 Oct., 2012  
**Reviewer**

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## 4 Test Summary

| Test Item          | Section in CFR 47 | Result |
|--------------------|-------------------|--------|
| Conducted Emission | Part15.107        | Pass   |
| Radiated Emissions | 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 Panama City, Rep. Panama      |
| Manufacturer:            | ZECHIN Technology Co., Ltd  |
| Address of Manufacturer: | Unit804,8th Floor Desay Tech Building Gaoxin Road South,Nanshan District Shenzhen,China   |
| Factory:                 | Longconn Electronics(Shenzhen) Co.;Ltd  |
| Address of Factory:      | (Xinchuangji Industrial park) NO. 42,Xingye 1 Road,Phoenix 1st Industrial Zone,Fuyong Town,Baoan District, Shenzhen,518103 ,China |

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

|               |  |
|---------------|--|
| Product Name: | Mobile Phone   |
| Model No.:    | Q10G   |
| AC adapter:   | Trade Mark: azumi<br>Input:100-240V AC,50/60Hz 0.15A<br>Output:5V DC MAX 400mA |
| Power supply: | Rechargeable Li-ion Battery DC3.7V/850mAh                                      |

### 5.3 Operating Modes

| Operating mode   | Detail description                           |
|------------------|--|
| Downloading mode | Keep the EUT in Downloading mode(Worst case) |
| Camera mode      | Keep the EUT in Camera mode                  |
| Play mode        | Keep the EUT in Play mode                    |
| Recording mode   | Keep the EUT in Recording mode               |

All modes have been tested, But the worst case mode data has been shown in this report.

## 5.4 Description of Support Units

| Manufacturer | Description | Model          | Serial Number | FCC ID/DoC |
|--------------|-------------|----------------|---------------|------------|
| HP           | Printer     | P1007          | VNFP409729    | DoC        |
| HP           | PC          | Pro 2000MT     | N/A           | DoC        |
| HP           | MONITOR     | CompaqLE1851WL | 515682-070    | DoC        |
| HP           | KEYBOARD    | SK-2880        | 434820-AA2    | DoC        |
| HP           | MOUSE       | MOC5UO         | N/A           | DoC        |
| Kingston     | Micro SD    | SDC4/4GBSP     | 136361        | DoC        |

## 5.5 Deviation from Standards

|      |
|------|
| None |
|------|

## 5.6 Abnormalities from Standard Conditions

|       |
|-------|
| None. |
|-------|

## 5.7 Other Information Requested by the Customer

|       |
|-------|
| None. |
|-------|

## 5.8 Test Facility

|  |
|--|
| <p>The test facility is recognized, certified, or accredited by the following organizations:</p> <ul style="list-style-type: none"> <li>● <b>FCC —Registration No.:</b> 817957</li> </ul> <p>China Certification &amp; Inspection Services Co., Ltd., Shenzhen 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</p> <ul style="list-style-type: none"> <li>● <b>Industry Canada (IC)</b></li> </ul> <p>The 3m Semi-anechoic chamber of China Certification &amp; Inspection Services Co., Ltd. Has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.</p> |
|--|

## 5.9 Test Location

|   |
|---|
| All tests were performed at:  |
| <p>China Certification &amp; Inspection Services Co., Ltd.<br/>         Address: 1st Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China<br/>         Tel: 0755-23118282<br/>         Fax: 0755-23116366</p> |

## 6 Test Instruments list

| Radiated Emission: |                               |                                      |                       |               |                     |                         |
|--------------------|-------------------------------|--------------------------------------|-----------------------|---------------|---------------------|-------------------------|
| Item               | Test Equipment                | Manufacturer                         | Model No.             | Inventory No. | Cal.Date (dd-mm-yy) | Cal.Due date (dd-mm-yy) |
| 1                  | 3m Semi- Anechoic Chamber     | SAEMC                                | 9(L)*6(W)* 6(H)       | CCIS0001      | June 09 2012        | June 09 2013            |
| 2                  | Control Room                  | ZhongYu Electron                     | 6.2(L)*2.5(W)* 2.4(H) | GTS202        | N/A                 | N/A                     |
| 3                  | BiConiLog Antenna             | SCHWARZBECK<br>MESS-ELEKTRONIK       | VULB9163              | CCIS0005      | June 04 2012        | June 04 2013            |
| 4                  | Double -ridged waveguide horn | SCHWARZBECK<br>MESS-ELEKTRONIK       | BBHA9120D             | CCIS0006      | May 30 2012         | May 30 2013             |
| 5                  | EMI Test Software             | AUDIX                                | E3                    | N/A           | N/A                 | N/A                     |
| 6                  | Coaxial Cable                 | CCIS                                 | N/A                   | CCIS0016      | Apr. 01 2012        | Apr. 01 2013            |
| 7                  | Coaxial Cable                 | CCIS                                 | N/A                   | CCIS0017      | Apr. 01 2012        | Apr. 01 2013            |
| 8                  | Coaxial cable                 | CCIS                                 | N/A                   | CCIS0018      | Apr. 01 2012        | Apr. 01 2013            |
| 9                  | Coaxial Cable                 | CCIS                                 | N/A                   | CCIS0019      | Apr. 01 2012        | Apr. 01 2013            |
| 10                 | Coaxial Cable                 | CCIS                                 | N/A                   | CCIS0087      | Apr. 01 2012        | Apr. 01 2013            |
| 11                 | Amplifier(10KHz-1.3GHz)       | HP                                   | 8447D                 | CCIS0003      | Apr. 01 2012        | Apr. 01 2013            |
| 12                 | Amplifier(1GHz-18GHz)         | Compliance<br>Direction Systems Inc. | PAP-1G18              | CCIS0011      | June 09 2012        | June 09 2013            |
| 13                 | Printer                       | Hp                                   | HP LaserJet P1007     | N/A           | N/A                 | N/A                     |
| 14                 | Positioning Controller        | UC                                   | UC3000                | CCIS0015      | N/A                 | N/A                     |

| Conducted Emission: |                   |                    |                       |               |                     |                         |
|---------------------|-------------------|--------------------|-----------------------|---------------|---------------------|-------------------------|
| Item                | Test Equipment    | Manufacturer       | Model No.             | Inventory No. | Cal.Date (dd-mm-yy) | Cal.Due date (dd-mm-yy) |
| 1                   | Shielding Room    | ZhongShuo Electron | 11.0(L)x4.0(W)x3.0(H) | CCIS0061      | June 09 2012        | June 09 2013            |
| 2                   | EMI Test Receiver | Rohde & Schwarz    | ESPI                  | CCIS0022      | Apr 01 2012         | Apr 01 2013             |
| 3                   | LISN              | CHASE              | MN2050D               | CCIS0074      | Apr 01 2012         | Apr 01 2013             |
| 4                   | Coaxial Cable     | CCIS               | N/A                   | CCIS0086      | Apr. 01 2012        | Apr. 01 2013            |
| 5                   | Shielding Room    | ZhongShuo Electron | 11.0(L)x4.0(W)x3.0(H) | CCIS0061      | June 09 2012        | June 09 2013            |
| 6                   | EMI Test Software | AUDIX              | E3                    | N/A           | N/A                 | N/A                     |

## 7 Test results and Measurement Data

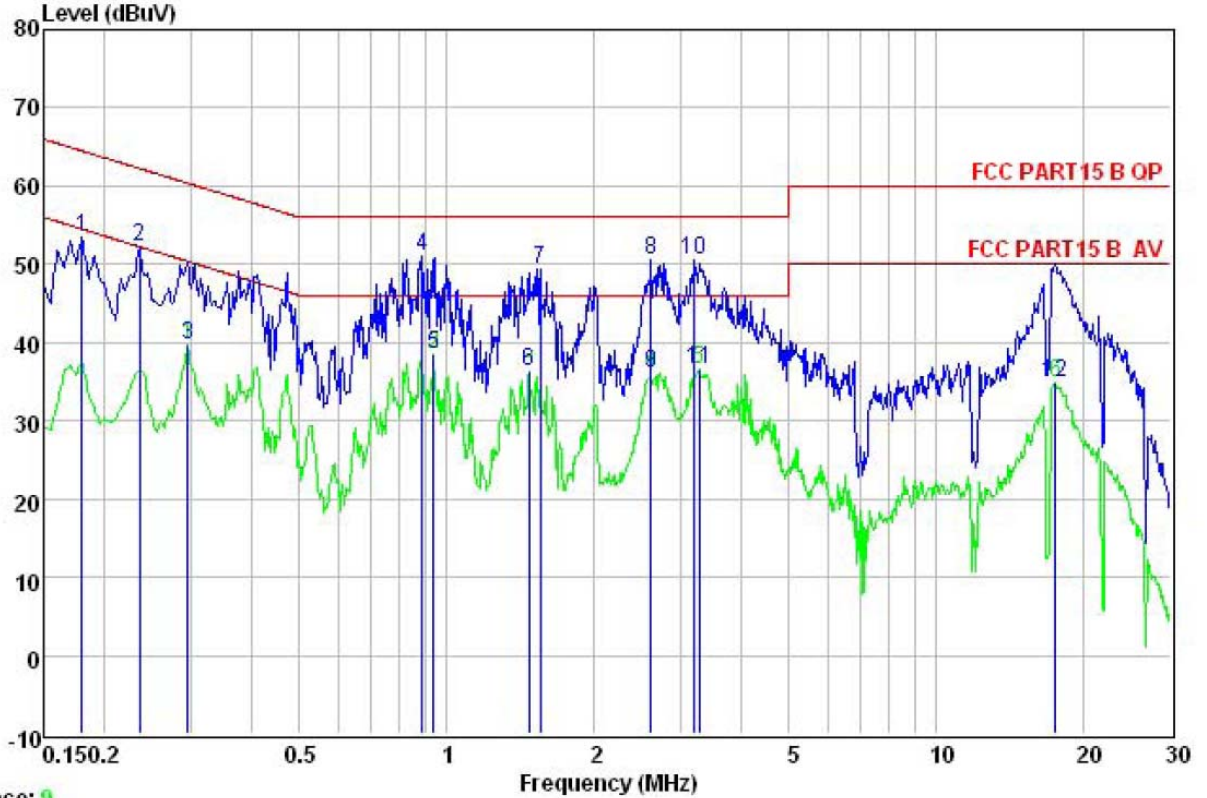
### 7.1 Conducted Emissions

| Test Requirement:     | FCC Part15 B Section 15.107  |                       |              |  |            |         |          |           |           |       |    |    |        |    |    |
|-----------------------|--|-----------------------|--------------|--|------------|---------|----------|-----------|-----------|-------|----|----|--------|----|----|
| Test Method:          | ANSI C63.4:2003  |                       |              |  |            |         |          |           |           |       |    |    |        |    |    |
| Test Frequency Range: | 150kHz to 30MHz  |                       |              |  |            |         |          |           |           |       |    |    |        |    |    |
| Class / Severity:     | Class B  |                       |              |  |            |         |          |           |           |       |    |    |        |    |    |
| Receiver setup:       | RBW=9kHz, VBW=30kHz  |                       |              |  |            |         |          |           |           |       |    |    |        |    |    |
| Limit:                | <table border="1"> <thead> <tr> <th rowspan="2">Frequency range (MHz)</th> <th colspan="2">Limit (dBμV)</th> </tr> <tr> <th>Quasi-peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15-0.5</td> <td>66 to 56*</td> <td>56 to 46*</td> </tr> <tr> <td>0.5-5</td> <td>56</td> <td>46</td> </tr> <tr> <td>0.5-30</td> <td>60</td> <td>50</td> </tr> </tbody> </table>  | Frequency range (MHz) | Limit (dBμV) |  | Quasi-peak | Average | 0.15-0.5 | 66 to 56* | 56 to 46* | 0.5-5 | 56 | 46 | 0.5-30 | 60 | 50 |
| Frequency range (MHz) | Limit (dBμV)   |                       |              |  |            |         |          |           |           |       |    |    |        |    |    |
|                       | Quasi-peak   | Average               |              |  |            |         |          |           |           |       |    |    |        |    |    |
| 0.15-0.5              | 66 to 56*  | 56 to 46*             |              |  |            |         |          |           |           |       |    |    |        |    |    |
| 0.5-5                 | 56   | 46                    |              |  |            |         |          |           |           |       |    |    |        |    |    |
| 0.5-30                | 60   | 50                    |              |  |            |         |          |           |           |       |    |    |        |    |    |
| Test setup:           | <p>Remark:<br/> E.U.T: Equipment Under Test<br/> LISN: Line Impedance Stabilization Network<br/> Test table height=0.8m</p>  |                       |              |  |            |         |          |           |           |       |    |    |        |    |    |
| Test procedure        | <ol style="list-style-type: none"> <li>1. 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>2. 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>3. 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.: 25 °C Humid.: 52% Press.: 1 012mbar   |                       |              |  |            |         |          |           |           |       |    |    |        |    |    |
| Measurement Record:   | Uncertainty: 3.28dB  |                       |              |  |            |         |          |           |           |       |    |    |        |    |    |
| Test Instruments:     | Refer to section 6 for details   |                       |              |  |            |         |          |           |           |       |    |    |        |    |    |
| Test mode:            | Pre-scan all test mode in the section 5.3, and found the blew mode which it is worse case mode.  |                       |              |  |            |         |          |           |           |       |    |    |        |    |    |
| Test results:         | Pass   |                       |              |  |            |         |          |           |           |       |    |    |        |    |    |



**Measurement data:**

Line:

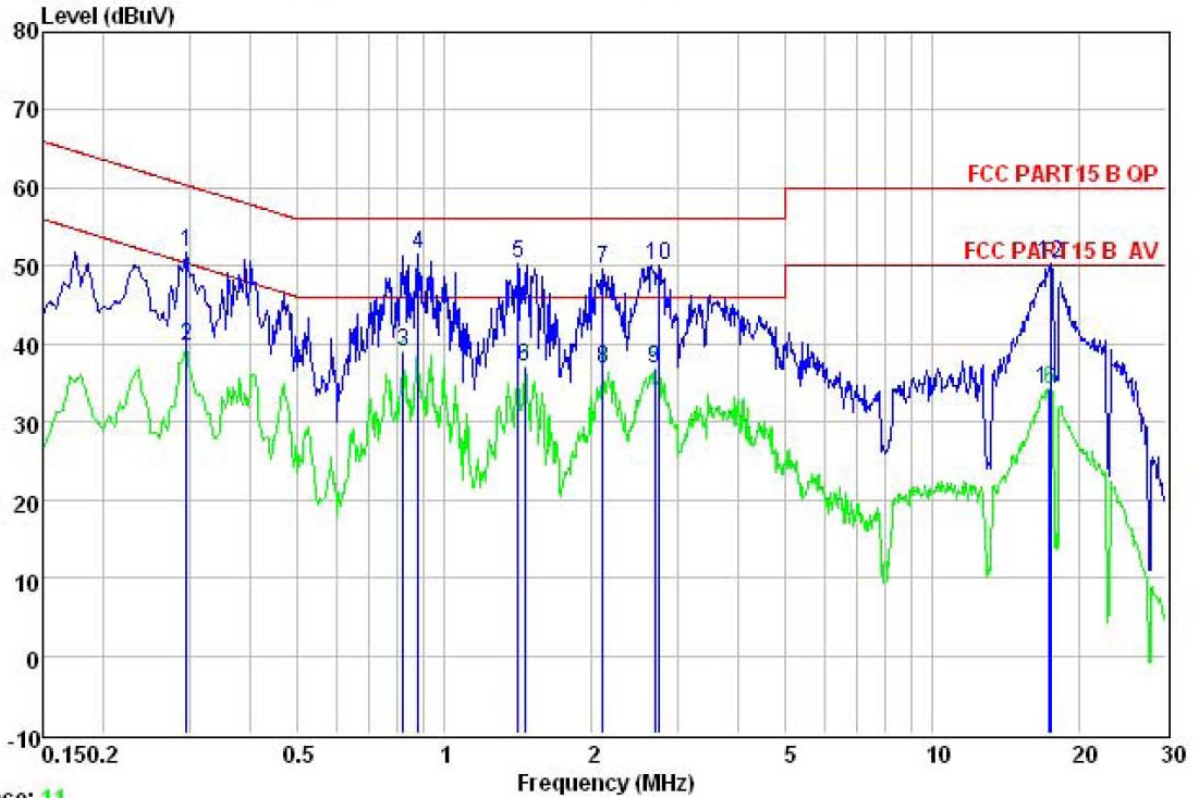


Trace: 9

Site : CCIS Conducted Test Site  
 Condition : FCC PART15 B QP LISN LINE  
 Job NO. : 206RF  
 Test Mode : downloading mode  
 Test engineer: Joe  
 Power Rating: AC 120V/60Hz

|    | Read Freq | LISN Level | Cable Factor | Cable Loss | Level | Limit Line | Over Limit | Remark  |
|----|-----------|------------|--------------|------------|-------|------------|------------|---------|
|    | MHz       | dBuV       | dB           | dB         | dBuV  | dBuV       | dB         |         |
| 1  | 0.180     | 42.56      | 10.22        | 0.77       | 53.55 | 64.50      | -10.95     | QP      |
| 2  | 0.235     | 41.25      | 10.23        | 0.75       | 52.23 | 62.26      | -10.03     | QP      |
| 3  | 0.296     | 28.61      | 10.26        | 0.74       | 39.61 | 50.37      | -10.76     | Average |
| 4  | 0.890     | 39.97      | 10.20        | 0.84       | 51.01 | 56.00      | -4.99      | QP      |
| 5  | 0.938     | 27.55      | 10.20        | 0.86       | 38.61 | 46.00      | -7.39      | Average |
| 6  | 1.472     | 25.70      | 10.25        | 0.35       | 36.30 | 46.00      | -9.70      | Average |
| 7  | 1.552     | 38.90      | 10.25        | 0.24       | 49.39 | 56.00      | -6.61      | QP      |
| 8  | 2.608     | 39.37      | 10.28        | 0.94       | 50.59 | 56.00      | -5.41      | QP      |
| 9  | 2.608     | 24.93      | 10.28        | 0.94       | 36.15 | 46.00      | -9.85      | Average |
| 10 | 3.207     | 39.25      | 10.29        | 0.91       | 50.45 | 56.00      | -5.55      | QP      |
| 11 | 3.276     | 25.42      | 10.29        | 0.90       | 36.61 | 46.00      | -9.39      | Average |
| 12 | 17.475    | 23.61      | 10.28        | 0.92       | 34.81 | 50.00      | -15.19     | Average |

Neutral:



Trace: 11

Site : CCIS Conducted Test Site  
 Condition : FCC PART15 B QP LISN NEUTRAL  
 Job NO. : 206RF  
 Test Mode : downloading mode  
 Test engineer: Joe  
 Power Rating: AC 120V/60Hz

|      | Read   | LISN   | Cable | Limit | Over  |        |                |
|------|--------|--------|-------|-------|-------|--------|----------------|
| Freq | Level  | Factor | Loss  | Line  | Limit | Remark |                |
| MHz  | dBuV   | dB     | dB    | dBuV  | dBuV  | dB     |                |
| 1    | 0.296  | 40.75  | 10.24 | 0.74  | 51.73 | 60.37  | -8.64 QP       |
| 2    | 0.296  | 28.62  | 10.24 | 0.74  | 39.60 | 50.37  | -10.77 Average |
| 3    | 0.822  | 27.89  | 10.18 | 0.81  | 38.88 | 46.00  | -7.12 Average  |
| 4    | 0.880  | 40.56  | 10.19 | 0.84  | 51.59 | 56.00  | -4.41 QP       |
| 5    | 1.411  | 39.58  | 10.23 | 0.46  | 50.27 | 56.00  | -5.73 QP       |
| 6    | 1.456  | 26.39  | 10.24 | 0.37  | 37.00 | 46.00  | -9.00 Average  |
| 7    | 2.110  | 38.36  | 10.27 | 0.96  | 49.59 | 56.00  | -6.41 QP       |
| 8    | 2.110  | 25.52  | 10.27 | 0.96  | 36.75 | 46.00  | -9.25 Average  |
| 9    | 2.692  | 25.52  | 10.27 | 0.93  | 36.72 | 46.00  | -9.28 Average  |
| 10   | 2.750  | 38.92  | 10.27 | 0.93  | 50.12 | 56.00  | -5.88 QP       |
| 11   | 17.291 | 23.00  | 10.28 | 0.91  | 34.19 | 50.00  | -15.81 Average |
| 12   | 17.383 | 39.04  | 10.29 | 0.92  | 50.25 | 60.00  | -9.75 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.

## 7.2 Radiated Emission

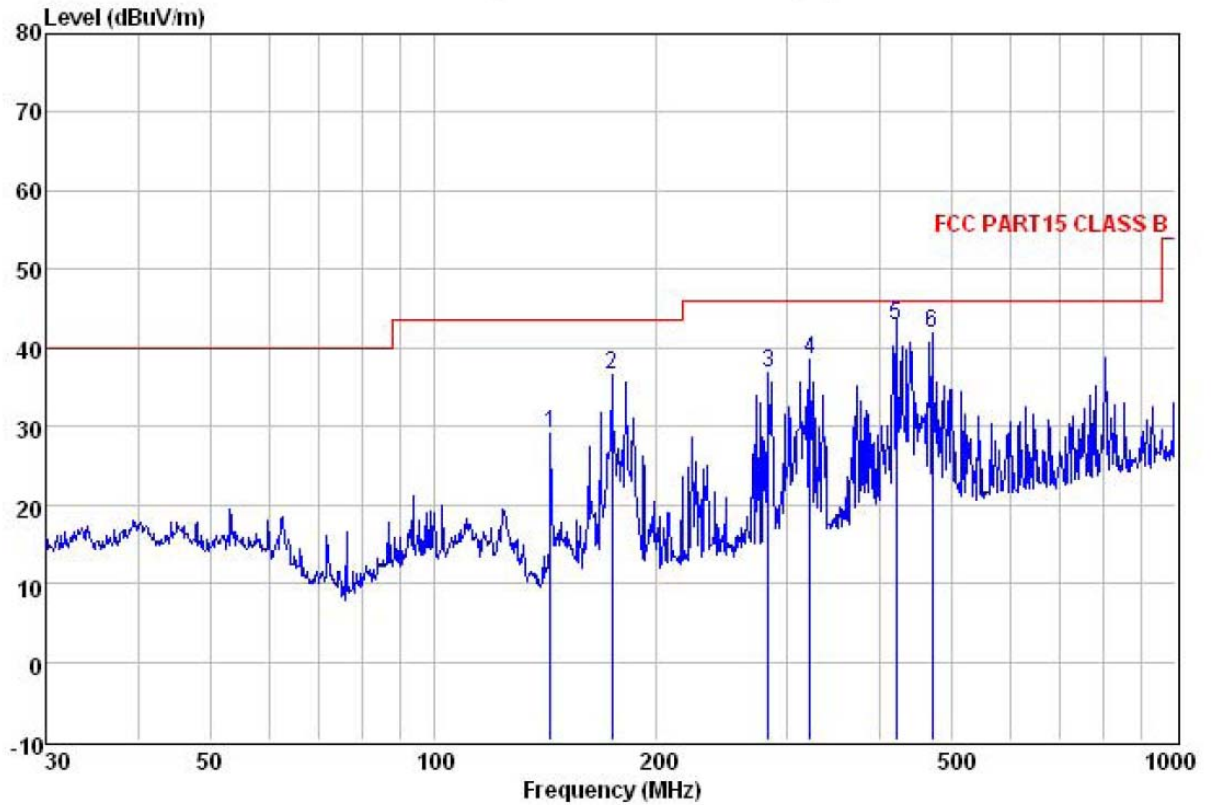
|                       |  |                    |        |                  |                  |
|-----------------------|--|--------------------|--------|------------------|------------------|
| Test Requirement:     | FCC Part15 B Section 15.109                      |                    |        |                  |                  |
| 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         | 100KHz | 300KHz           | Quasi-peak Value |
|                       | Above 1GHz                                       | Peak               | 1MHz   | 3MHz             | Peak Value       |
| Peak                  |  | 1MHz               | 10Hz   | Average Value    |                  |
| Limit:                | Frequency  | Limit (dBuV/m @3m) |        | Remark           |                  |
|                       | 30MHz-88MHz                                      | 40.0               |        | Quasi-peak Value |                  |
|                       | 88MHz-216MHz                                     | 43.5               |        | Quasi-peak Value |                  |
|                       | 216MHz-960MHz                                    | 46.0               |        | Quasi-peak Value |                  |
|                       | Above 1GHz                                       | 54.0               |        | Average Value    |                  |
| 74.0                  |  | Peak Value         |        |                  |                  |
| Test setup:           | Below 1GHz                                       |                    |        |                  |                  |
|                       |  |                    |        |                  |                  |
| Test setup:           | Above 1GHz                                       |                    |        |                  |                  |
|                       |  |                    |        |                  |                  |

|                     |   |
|---------------------|---|
| Test Procedure:     | <ol style="list-style-type: none"> <li>1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>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.</li> <li>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.</li> <li>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.</li> <li>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>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.</li> </ol> |
| Test environment:   | Temp.: 25 °C Humid.: 52% Press.: 1 012mbar  |
| Measurement Record: | Uncertainty: 4.88dB   |
| Test Instruments:   | Refer to section 6 for details  |
| Test mode:          | Pre-scan all test mode in the section 5.3, and found the bleed mode which it is worse case mode.  |
| Test results:       | Passed  |

**Measurement Data**

Below 1GHz

Horizontal:

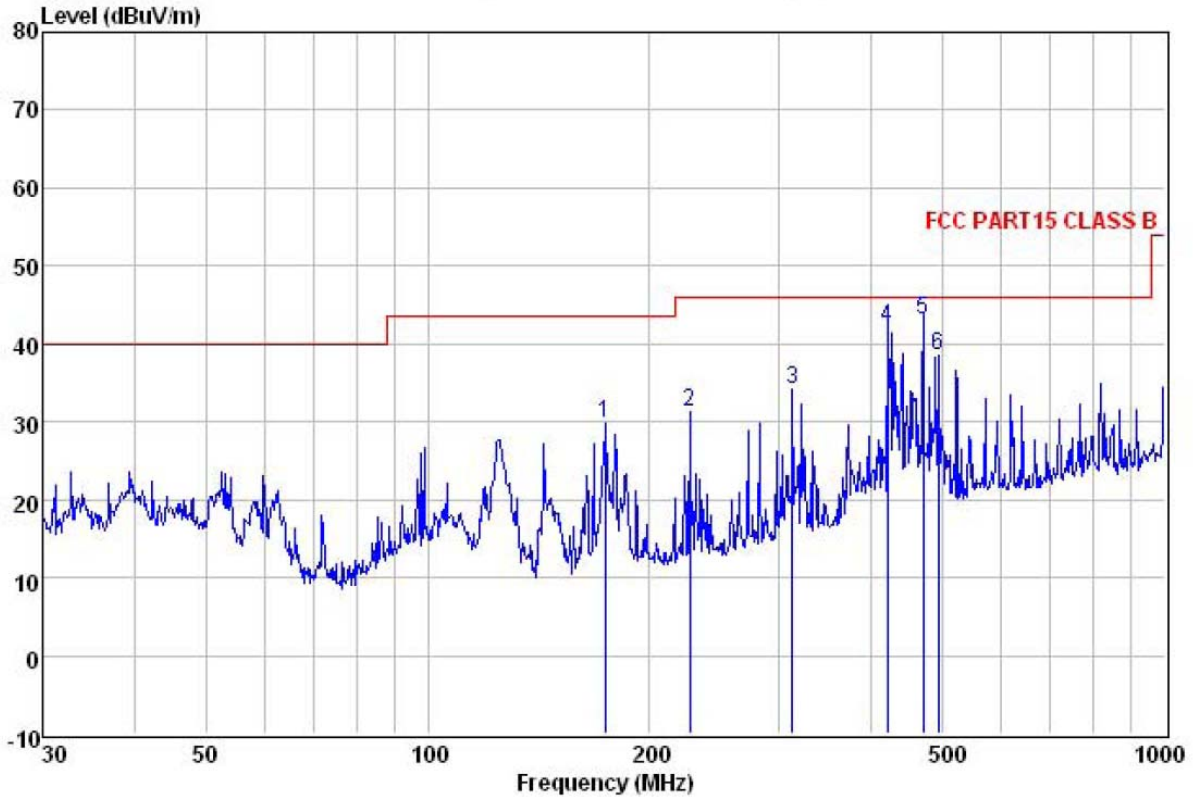


Site : 3m chamber  
 Condition : FCC PART15 CLASS B 3m VULB9163(2012.4.1) HORIZONTAL  
 Job No. : 206RF  
 Test mode : downloading mode  
 Test Engineer: Joe

|      | Read    | Antenna | Cable | Preamp | Limit  | Over   |        |           |
|------|---------|---------|-------|--------|--------|--------|--------|-----------|
| Freq | Level   | Factor  | Loss  | Factor | Line   | Limit  | Remark |           |
| MHz  | dBuV    | dB/m    | dB    | dB     | dBuV/m | dBuV/m | dB     |           |
| 1    | 143.830 | 47.67   | 8.22  | 2.44   | 29.32  | 29.01  | 43.50  | -14.49 QP |
| 2    | 173.814 | 52.44   | 9.23  | 2.68   | 27.87  | 36.48  | 43.50  | -7.02 QP  |
| 3    | 282.985 | 50.62   | 12.73 | 2.89   | 29.49  | 36.75  | 46.00  | -9.25 QP  |
| 4    | 322.189 | 51.62   | 13.46 | 3.01   | 29.54  | 38.55  | 46.00  | -7.45 QP  |
| 5    | 420.580 | 54.45   | 15.47 | 3.13   | 30.17  | 42.88  | 46.00  | -3.12 QP  |
| 6    | 470.523 | 53.20   | 15.83 | 3.37   | 30.52  | 41.88  | 46.00  | -4.12 QP  |



Vertical:

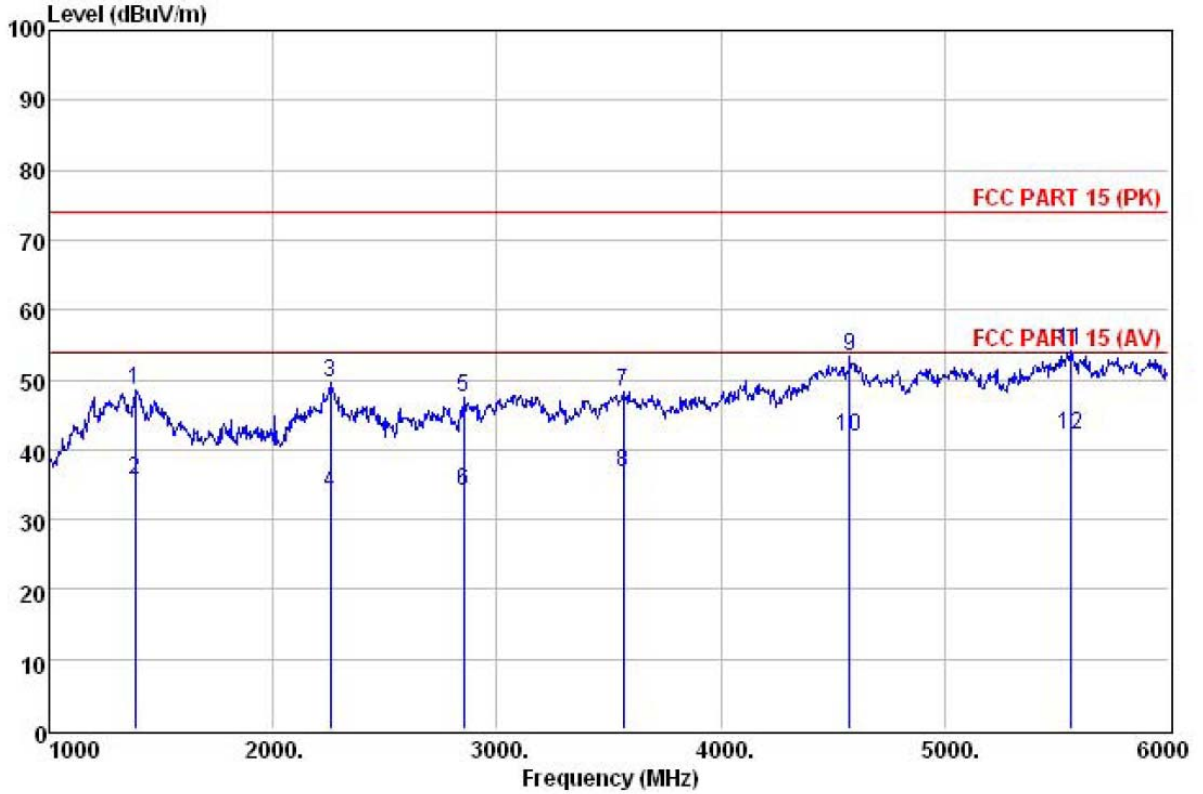


Site : 3m chamber  
 Condition : FCC PART15 CLASS B 3m VULB9163(2012.4.1) VERTICAL  
 Job No. : 206RF  
 Test mode : downloading mode  
 Test Engineer: Joe

|   | Freq    | ReadAntenna |        | Cable Preamp |        | Level  | Limit  | Over   | Remark |
|---|---------|-------------|--------|--------------|--------|--------|--------|--------|--------|
|   |         | Level       | Factor | Loss         | Factor |        |        |        |        |
|   | MHz     | dBuV        | dB/m   | dB           | dB     | dBuV/m | dBuV/m | dB     |        |
| 1 | 173.814 | 45.67       | 9.23   | 2.68         | 27.87  | 29.71  | 43.50  | -13.79 | QP     |
| 2 | 226.894 | 46.50       | 11.51  | 2.84         | 29.69  | 31.16  | 46.00  | -14.84 | QP     |
| 3 | 312.179 | 47.46       | 13.22  | 2.98         | 29.49  | 34.17  | 46.00  | -11.83 | QP     |
| 4 | 420.580 | 53.75       | 15.47  | 3.13         | 30.17  | 42.18  | 46.00  | -3.82  | QP     |
| 5 | 470.523 | 54.30       | 15.83  | 3.37         | 30.52  | 42.98  | 46.00  | -3.02  | QP     |
| 6 | 492.469 | 49.09       | 16.39  | 3.55         | 30.52  | 38.51  | 46.00  | -7.49  | QP     |

Above 1GHz

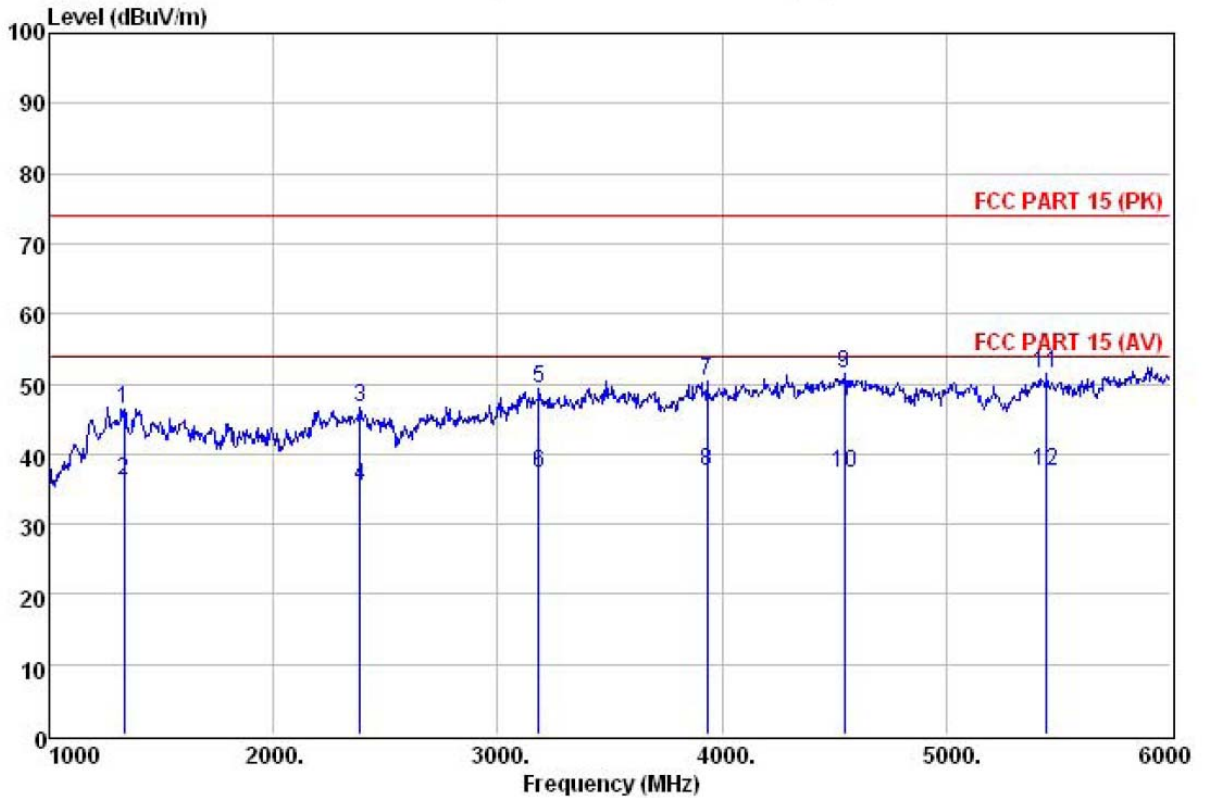
Horizontal:



Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(>1GHZ) HORIZONTAL  
 Job No. : 206RF  
 Test mode : downloading mode  
 Test Engineer: Joe

|      | ReadAntenna | Cable  | Preamp | Limit  | Over   |        |       |                |
|------|-------------|--------|--------|--------|--------|--------|-------|----------------|
| Freq | Level       | Factor | Loss   | Factor | Level  | Line   | Limit | Remark         |
| MHz  | dBuV        | dB/m   | dB     | dB     | dBuV/m | dBuV/m | dB    |                |
| 1    | 1385.000    | 41.68  | 25.50  | 2.86   | 21.39  | 48.65  | 74.00 | -25.35 Peak    |
| 2    | 1385.000    | 28.60  | 25.50  | 2.86   | 21.39  | 35.57  | 54.00 | -18.43 Average |
| 3    | 2255.000    | 48.32  | 28.02  | 3.72   | 30.50  | 49.56  | 74.00 | -24.44 Peak    |
| 4    | 2255.000    | 32.65  | 28.02  | 3.72   | 30.50  | 33.89  | 54.00 | -20.11 Average |
| 5    | 2850.000    | 44.98  | 28.38  | 4.20   | 30.10  | 47.46  | 74.00 | -26.54 Peak    |
| 6    | 2850.000    | 31.50  | 28.38  | 4.20   | 30.10  | 33.98  | 54.00 | -20.02 Average |
| 7    | 3565.000    | 41.91  | 29.11  | 4.92   | 27.78  | 48.16  | 74.00 | -25.84 Peak    |
| 8    | 3565.000    | 30.50  | 29.11  | 4.92   | 27.78  | 36.75  | 54.00 | -17.25 Average |
| 9    | 4575.000    | 41.14  | 30.92  | 5.72   | 24.43  | 53.35  | 74.00 | -20.65 Peak    |
| 10   | 4575.000    | 29.60  | 30.92  | 5.72   | 24.43  | 41.81  | 54.00 | -12.19 Average |
| 11   | 5560.000    | 39.55  | 32.09  | 6.31   | 23.81  | 54.14  | 74.00 | -19.86 Peak    |
| 12   | 5560.000    | 27.59  | 32.09  | 6.31   | 23.81  | 42.18  | 54.00 | -11.82 Average |

Vertical:



Site : 3m chamber  
 Condition : FCC PART 15 (PK) 3m BBHA9120(>1GHZ) VERTICAL  
 Job No. : 206RF  
 Test mode : downloading mode  
 Test Engineer: Joe

|    | Freq     | Read Level | Antenna Factor | Cable Loss | Preamp Factor | Level  | Limit Line | Over Limit | Remark  |
|----|----------|------------|----------------|------------|---------------|--------|------------|------------|---------|
|    | MHz      | dBuV       | dB/m           | dB         | dB            | dBuV/m | dBuV/m     | dB         |         |
| 1  | 1335.000 | 38.55      | 25.65          | 2.80       | 20.58         | 46.42  | 74.00      | -27.58     | Peak    |
| 2  | 1335.000 | 28.19      | 25.65          | 2.80       | 20.58         | 36.06  | 54.00      | -17.94     | Average |
| 3  | 2385.000 | 45.41      | 27.58          | 3.81       | 30.15         | 46.65  | 74.00      | -27.35     | Peak    |
| 4  | 2385.000 | 34.16      | 27.58          | 3.81       | 30.15         | 35.40  | 54.00      | -18.60     | Average |
| 5  | 3185.000 | 45.12      | 28.76          | 4.55       | 29.20         | 49.23  | 74.00      | -24.77     | Peak    |
| 6  | 3185.000 | 33.16      | 28.76          | 4.55       | 29.20         | 37.27  | 54.00      | -16.73     | Average |
| 7  | 3935.000 | 42.23      | 29.78          | 5.23       | 26.80         | 50.44  | 74.00      | -23.56     | Peak    |
| 8  | 3935.000 | 29.36      | 29.78          | 5.23       | 26.80         | 37.57  | 54.00      | -16.43     | Average |
| 9  | 4545.000 | 39.35      | 30.86          | 5.70       | 24.45         | 51.46  | 74.00      | -22.54     | Peak    |
| 10 | 4545.000 | 25.10      | 30.86          | 5.70       | 24.45         | 37.21  | 54.00      | -16.79     | Average |
| 11 | 5450.000 | 36.94      | 31.99          | 6.25       | 23.81         | 51.37  | 74.00      | -22.63     | Peak    |
| 12 | 5450.000 | 23.14      | 31.99          | 6.25       | 23.81         | 37.57  | 54.00      | -16.43     | Average |