Report No: CCISE170200504

# **FCC REPORT**

**Applicant:** Ingram Micro Mexico, S.A. DE C.V.

Address of Applicant: Laguna de Terminos 249, Anahuac Miguel Hidalgo, Mexico

11320

**Equipment Under Test (EUT)** 

Product Name: WIFI Tablet

Model No.: W101, H100

Trade mark: L1BRE

**FCC ID:** 2AK7BW101

Applicable standards: FCC CFR Title 47 Part 15 Subpart B

Date of sample receipt: 08 Feb., 2017

**Date of Test:** 08 Feb., to 07 Mar., 2017

Date of report issued: 07 Mar., 2017

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.

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





# 2 Version

| Version No. | Date          | Description |
|-------------|---------------|-------------|
| 00          | 07 Mar., 2017 | Original    |
|             |               |             |
|             |               |             |
|             |               |             |
|             |               |             |

Tested by: Zora Lee Date: 07 Mar., 2017

Test Engineer

Reviewed by: O7 Mar., 2017

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:                        | Ingram Micro Mexico, S.A. DE C.V.                            |
|-----------------------------------|--|
| Address of Applicant:             | Laguna de Terminos 249, Anahuac Miguel Hidalgo, Mexico 11320 |
| Manufacturer/ Factory:            | Ingram Micro Mexico, S.A. DE C.V.                            |
| Address of Manufacturer/ Factory: | Laguna de Terminos 249, Anahuac Miguel Hidalgo, Mexico 11320 |

# 5.2 General Description of E.U.T.

| Product Name: | WIFI Tablet   |
|---------------|---|
| Model No.:    | W101, H100  |
| Power supply: | Rechargeable Li-ion Battery DC3.7V-3000mAh  |
| Remark:       | The No.: W101, H100 were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being model name. |

### 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 Measurement Uncertainty

| Items                               | Expanded Uncertainty (Confidence of 95%) |
|-------------------------------------|--|
| Conducted Emission (9kHz ~ 30MHz)   | 2.14 dB (k=2)                            |
| Radiated Emission (9kHz ~ 30MHz)    | 4.24 dB (k=2)                            |
| Radiated Emission (30MHz ~ 1000MHz) | 4.35 dB (k=2)                            |
| Radiated Emission (1GHz ~ 18GHz)    | 4.44 dB (k=2)                            |
| Radiated Emission (18GHz ~ 26.5GHz) | 4.56 dB (k=2)                            |



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### 5.5 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        |

### 5.6 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.

# 5.7 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





# 5.8 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 SAC                          | SAEMC                                 | 9(L)*6(W)* 6(H) | CCIS0001         | 08-23-2014              | 08-22-2017                  |  |  |
| 2                  | BiConiLog Antenna               | SCHWARZBECK                           | VULB9163        | CCIS0005         | 03-25-2016              | 03-25-2017                  |  |  |
| 3                  | Horn Antenna                    | SCHWARZBECK                           | BBHA9120D       | CCIS0006         | 03-25-2016              | 03-25-2017                  |  |  |
| 4                  | Pre-amplifier<br>(10kHz-1.3GHz) | HP                                    | 8447D           | CCIS0003         | 04-01-2016              | 03-31-2017                  |  |  |
| 5                  | Pre-amplifier<br>(1GHz-18GHz)   | Compliance Direction Systems Inc.     | PAP-1G18        | CCIS0011         | 04-01-2016              | 03-31-2017                  |  |  |
| 6                  | Spectrum analyzer<br>9k-30GHz   | Rohde & Schwarz                       | FSP30           | CCIS0023         | 03-28-2016              | 03-28-2017                  |  |  |
| 7                  | EMI Test Receiver               | Rohde & Schwarz                       | ESRP7           | CCIS0167         | 03-28-2016              | 03-28-2017                  |  |  |
| 8                  | EMI Test Software               | AUDIX                                 | E3              | N/A              | N/A                     | N/A                         |  |  |
| 9                  | Coaxial Cable                   | N/A                                   | N/A             | CCIS0018         | 04-01-2016              | 03-31-2017                  |  |  |
| 10                 | Coaxial Cable                   | N/A                                   | N/A             | CCIS0020         | 04-01-2016              | 03-31-2017                  |  |  |

| 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    | Shielding Room      | ZhongShuo Electron | 11.0(L)x4.0(W)x3.0(H) | CCIS0061         | 08-23-2014             | 08-22-2017                 |  |  |  |  |
| 2    | EMI Test Receiver   | Rohde & Schwarz    | ESCI                  | CCIS0002         | 03-24-2016             | 03-24-2017                 |  |  |  |  |
| 3    | LISN                | CHASE              | MN2050D               | CCIS0074         | 03-26-2016             | 03-26-2017                 |  |  |  |  |
| 4    | Coaxial Cable       | CCIS               | N/A                   | CCIS0086         | 04-01-2016             | 03-31-2017                 |  |  |  |  |
| 5    | EMI Test Software   | AUDIX              | E3                    | N/A              | N/A                    | N/A                        |  |  |  |  |



# 6 Test results and Measurement Data

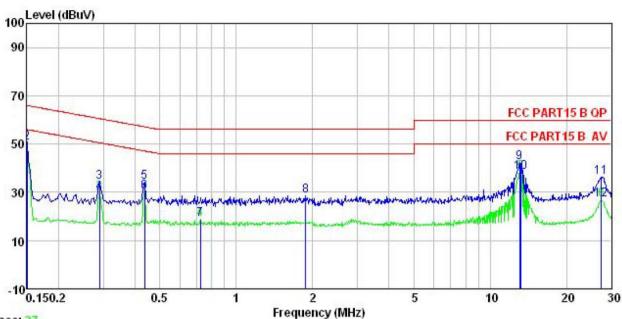
# **6.1 Conducted Emission**

| Test Requirement:     | FCC Part 15 B Section 15.107   |            |                |  |  |  |
|-----------------------|--|------------|----------------|--|--|--|
| Test Method:          | ANSI C63.4:2014  |            |                |  |  |  |
| Test Frequency Range: | 150kHz to 30MHz  |            |                |  |  |  |
| Class / Severity:     | Class B  |            |                |  |  |  |
| Receiver setup:       | RBW=9kHz, VBW=30kHz  |            |                |  |  |  |
| Limit:                | Francisco de (MILE)  | Lir        | mit (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             |  |  |  |
|                       | * Decreases with the logarith  |            | •              |  |  |  |
| Test setup:           | Reference Plan   | ne         |                |  |  |  |
|                       | 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 are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 500hm/50uH coupling impedance for the measuring equipment.  2. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50uH coupling impedance with 500hm termination. (Please refers to the block diagram of the test setup and photographs).  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: 2014 on conducted measurement. |            |                |  |  |  |
| Test procedure        |  |            |                |  |  |  |
| Test environment:     | Temp.: 23 °C Hun   | nid.: 56%  | Press.: 101kPa |  |  |  |
| Test Instruments:     | Refer to section 5.7 for details   |            |                |  |  |  |
| Test mode:            | Refer to section 5.3 for detail  | ls         |                |  |  |  |
| Test results:         | Pass   |            |                |  |  |  |



#### Measurement data:

Line:



Trace: 27 Site

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

: WIFI Tablet EUT

: W101 Model Test Mode : PC mode Power Rating : AC120/60Hz

Environment : Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: Zora

Remark

| Freq   | Read<br>Level   | LISN<br>Factor  | Cable<br>Loss   | Level  | Limit<br>Line  | Over<br>Limit                | Remark  |
|--------|---|---|---|--|--|------------------------------|---|
| MHz    | dBu∜  | dB  | dB  | dBu₹   | dBu∀   | <u>dB</u>                    |   |
| 0.150  | 39.93   | 0.14  | 10.78   | 50.85  | 66.00  | -15.15                       | QP  |
| 0.150  | 39.42   | 0.14  | 10.78   | 50.34  | 56.00  | -5.66                        | Average   |
| 0.289  | 23.30   | 0.16  | 10.74   | 34.20  | 60.54  | -26.34                       | QP  |
| 0.289  | 18.79   | 0.16  | 10.74   | 29.69  | 50.54  | -20.85                       | Average   |
| 0.435  | 23.43   | 0.24  | 10.73   | 34.40  | 57.15  | -22.75                       | QP  |
| 0.435  | 19.24   | 0.24  | 10.73   | 30.21  | 47.15  | -16.94                       | Average   |
| 0.724  | 7.84  | 0.31  | 10.78   | 18.93  | 46.00  | -27.07                       | Average   |
| 1.878  | 17.37   | 0.31  | 10.95   | 28.63  | 56.00  | -27.37                       | QP  |
| 13.057 | 31.05   | 0.27  | 10.91   | 42.23  | 60.00  | -17.77                       | QP  |
| 13.197 | 27.11   | 0.27  | 10.91   | 38.29  | 50.00  | -11.71                       | Average   |
| 27.271 | 24.99   | 0.35  | 10.87   | 36.21  | 60.00  | -23.79                       | QP  |
| 27.416 | 15.69   | 0.35  | 10.87   | 26.91  | 50.00  | -23.09                       | Average   |
|        | Freq<br>0.150<br>0.150<br>0.289<br>0.435<br>0.435<br>0.724<br>1.878<br>13.057<br>13.197<br>27.271 | Read<br>Freq Level  MHz dBuV  0.150 39.93 0.150 39.42 0.289 23.30 0.289 18.79 0.435 23.43 0.435 19.24 0.724 7.84 1.878 17.37 13.057 31.05 13.197 27.11 27.271 24.99 | Read LISN Freq Level Factor  MHz dBuV dB  0.150 39.93 0.14 0.150 39.42 0.14 0.289 23.30 0.16 0.289 18.79 0.16 0.435 23.43 0.24 0.435 19.24 0.24 0.435 19.24 0.24 0.724 7.84 0.31 1.878 17.37 0.31 13.057 31.05 0.27 13.197 27.11 0.27 27.271 24.99 0.35 | Read LISN Cable Freq Level Factor Loss    MHz   dBuV   dB   dB | Read LISN Cable Freq Level Factor Loss Level  MHz dBuV dB dB dB dBuV  0.150 39.93 0.14 10.78 50.85 0.150 39.42 0.14 10.78 50.34 0.289 23.30 0.16 10.74 34.20 0.289 18.79 0.16 10.74 29.69 0.435 23.43 0.24 10.73 34.40 0.435 19.24 0.24 10.73 30.21 0.724 7.84 0.31 10.78 18.93 1.878 17.37 0.31 10.95 28.63 13.057 31.05 0.27 10.91 42.23 13.197 27.11 0.27 10.91 38.29 27.271 24.99 0.35 10.87 36.21 | Read LISN Cable   Limit Line | Read         LISN         Cable         Limit         Over           Freq         Level         Factor         Loss         Level         Limit         Over           MHz         dBuV         dB         dB         dBuV         dBuV         dB         dB           0.150         39.93         0.14         10.78         50.85         66.00         -15.15           0.150         39.42         0.14         10.78         50.34         56.00         -5.66           0.289         23.30         0.16         10.74         34.20         60.54         -26.34           0.289         18.79         0.16         10.74         29.69         50.54         -20.85           0.435         23.43         0.24         10.73         34.40         57.15         -22.75           0.435         19.24         0.24         10.73         30.21         47.15         -16.94           0.724         7.84         0.31         10.78         18.93         46.00         -27.07           1.878         17.37         0.31         10.95         28.63         56.00         -27.37           13.057         31.05         0.27         10.91 <t< td=""></t<> |

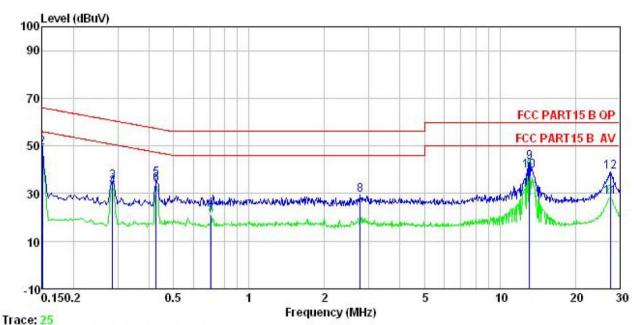
#### Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level = Receiver Read level + LISN Factor + Cable Loss.

Shenzhen Zhongjian Nanfang Testing Co., Ltd. No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China Telephone: +86 (0) 755 2311 8282 Fax: +86 (0) 755 2311 6366



### Neutral:



Site

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

: WIFI Tablet EUT Model : W101

Test Mode : PC mode Power Rating : AC120/60Hz

Environment : Temp: 23 °C Huni: 56% Atmos: 101KPa

Test Engineer: Zora Remark

| Nemaik                                    | Freq   | Read<br>Level | LISN<br>Factor | Cable<br>Loss |       | Limit<br>Line | Over<br>Limit | Remark  |
|---|--------|---------------|----------------|---------------|-------|---------------|---------------|---------|
|   | MHz    | dBu∀          | <u>dB</u>      | ₫B            | dBu₹  | dBu∀          | <u>ab</u>     |         |
| 1   | 0.150  | 39.19         | 0.12           | 10.78         | 50.09 | 66.00         | -15.91        | QP      |
| 2   | 0.150  | 38.53         | 0.12           | 10.78         | 49.43 | 56.00         | -6.57         | Average |
| 3   | 0.286  | 24.05         | 0.19           | 10.74         | 34.98 | 60.63         | -25.65        | QP      |
| 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9 | 0.286  | 21.61         | 0.19           | 10.74         | 32.54 | 50.63         | -18.09        | Average |
| 5   | 0.426  | 25.29         | 0.23           | 10.73         | 36.25 | 57.33         | -21.08        | QP      |
| 6   | 0.426  | 22.83         | 0.23           | 10.73         | 33.79 | 47.33         | -13.54        | Average |
| 7   | 0.708  | 9.92          | 0.33           | 10.77         | 21.02 | 46.00         | -24.98        | Average |
| 8   | 2.779  | 18.21         | 0.30           | 10.93         | 29.44 | 56.00         | -26.56        | QP      |
|   | 13.127 | 32.10         | 0.25           | 10.91         | 43.26 | 60.00         | -16.74        | QP      |
| 10  | 13.127 | 28.26         | 0.25           | 10.91         | 39.42 |               |               | Average |
| 11  | 27.562 | 17.28         | 0.28           | 10.87         | 28.43 | 50.00         | -21.57        | Average |
| 12  | 27.708 | 27.82         | 0.28           | 10.87         | 38.97 | 60.00         | -21.03        | QP      |

### Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level = Receiver Read level + LISN Factor + Cable Loss.



# 6.2 Radiated Emission

| 0.2 Radiated Ellission |   |  |        |                   |                |       |                         |  |  |
|------------------------|---|--|--------|-------------------|----------------|-------|-------------------------|--|--|
| Test Requirement:      | FCC Part 15 B Section 15.109  |  |        |                   |                |       |                         |  |  |
| Test Method:           | ANSI C63.4:201  | 14   |        |                   |                |       |                         |  |  |
| Test Frequency Range:  | 30MHz to 26000  | OMHz   |        |                   |                |       |                         |  |  |
| Test site:             | Measurement D   | istance:   | 3m (Se | mi-Anechoi        | c Chan         | nber) |                         |  |  |
| Receiver setup:        | Frequency   | Dete   | ctor   | RBW               | VB\            |       | Remark                  |  |  |
|                        | 30MHz-1GHz  | Quasi-   |        | 120kHz            | 300kHz         |       | Quasi-peak Value        |  |  |
|                        | Above 1GHz  | Pea<br>RM  |        | 1MHz              | 3MHz<br>3MHz   |       | Peak Value              |  |  |
| Limit:                 | Frequenc  |  |        | 1MHz<br>(dBuV/m @ |                | 72    | Average Value<br>Remark |  |  |
| LITTIL.                | 30MHz-88M   |  | LIIIII | 40.0              | <i>(</i> 3111) | (     | Quasi-peak Value        |  |  |
|                        | 88MHz-216N  |  |        | 43.5              |                |       | Quasi-peak Value        |  |  |
|                        | 216MHz-960  |  |        | 46.0              |                |       | Quasi-peak Value        |  |  |
|                        | 960MHz-1G   |  |        | 54.0              |                |       | Quasi-peak Value        |  |  |
|                        |   |  |        | 54.0              |                |       | Average Value           |  |  |
|                        | Above 1GI   | 72   |        | 74.0              |                |       | Peak Value              |  |  |
|                        | Antenna Tower  Search Antenna  RF Test Receiver  Ground Plane  Above 1GHz |  |        |                   |                |       |                         |  |  |
|                        | 80CM +  | Horn Anlenna Tower  Ground Reference Plane  Test Receiver  Amplifier  Controller |        |                   |                |       |                         |  |  |





| T . D .           | T  | _  |         |     |         |         |  |  |  |
|-------------------|--|--|---------|-----|---------|---------|--|--|--|
| Test Procedure:   | 1. 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 cas 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 |  |  |  |
| Test Instruments: | Refer to se  | ection 5.7 for   | details | -   |         |         |  |  |  |
| Test mode:        | Refer to section 5.3 for details   |  |         |     |         |         |  |  |  |
| Test results:     | Passed   |  |         |     |         |         |  |  |  |
| Remark:           | All of the observed value above 6GHz ware the niose floor , which were no recorded   |  |         |     |         |         |  |  |  |

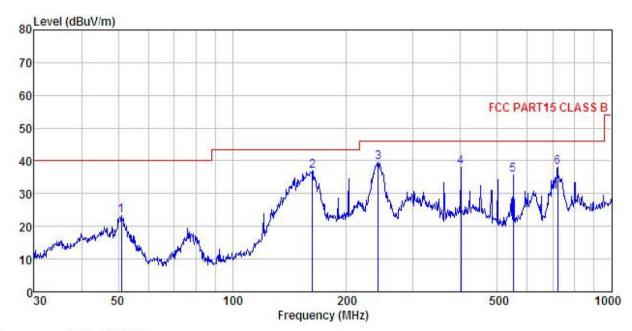




#### **Measurement Data:**

#### **Below 1GHz**

Horizontal:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M3G) HORIZONTAL Condition

EUT : WIFI Tablet

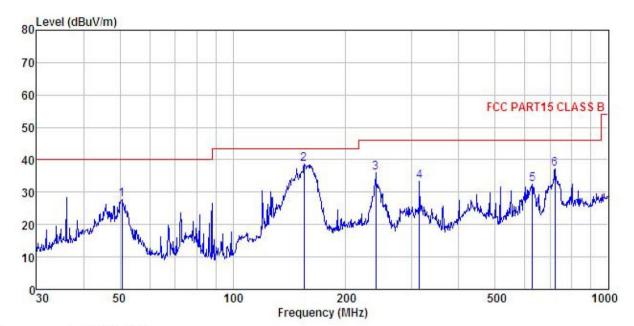
Test mode : PC mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55% 101KPa
Test Engineer: Zora Model : W101

REMARK

|             | Freq                          |       | Antenna<br>Factor |      |           |                     |                     |           | Remark |
|-------------|-------------------------------|-------|-------------------|------|-----------|---------------------|---------------------|-----------|--------|
|             | MHz                           | dBu∀  | <u>dB</u> /π      |      | <u>ab</u> | $\overline{dBuV/m}$ | $\overline{dBuV/m}$ | <u>dB</u> |        |
| 1           | 50.942<br>162.611             |       |                   |      | 29.82     |                     |                     |           |        |
| 2           | 242.525                       | 53.47 | 11.82             | 2.82 | 28.58     | 39.53               | 46.00               | -6.47     | QP     |
| 4<br>5<br>6 | 400.432<br>550.948<br>721.726 | 42.72 | 18.10             | 3.89 |           | 35.61               | 46.00               | -10.39    | QP     |



### Vertical:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M3G) VERTICAL : WIFI Tablet Condition

EUT Model : W101

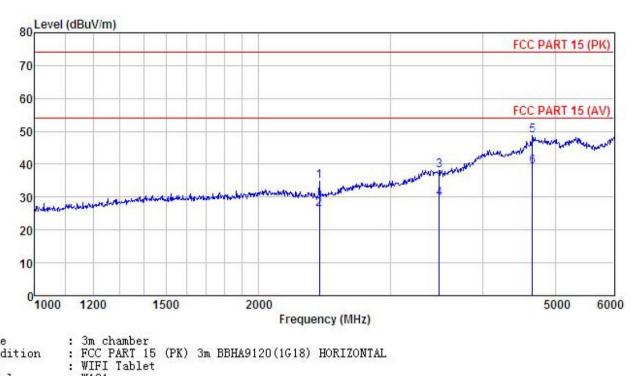
Test mode: PC mode
Power Rating: AC120V/60Hz
Environment: Temp:25.5°C Huni:55% 101KPa
Test Engineer: Zora

| THUTH                 |         |       |                   |      |           |        |        |               |        |
|-----------------------|---------|-------|-------------------|------|-----------|--------|--------|---------------|--------|
|                       | Freq    |       | Antenna<br>Factor |      |           |        |        | Over<br>Limit | Remark |
|                       | MHz     | dBu₹  | dB/m              | dB   | <u>dB</u> | dBuV/m | dBuV/m | <u>dB</u>     |        |
| 1                     | 50.586  | 41.67 | 14.75             | 1.25 | 29.82     | 27.85  | 40.00  | -12.15        | QP     |
| 2                     | 154.821 | 54.99 | 10.30             | 2.55 | 29.18     | 38.66  | 43.50  | -4.84         | QP     |
| 2<br>3<br>4<br>5<br>6 | 239.987 | 49.98 | 11.80             | 2.82 | 28.59     | 36.01  | 46.00  | -9.99         | QP     |
| 4                     | 314.377 | 45.75 | 13.12             | 2.98 | 28.48     | 33.37  | 46.00  | -12.63        | QP     |
| 5                     | 627.274 | 38.90 | 18.66             | 3.90 | 28.85     | 32.61  | 46.00  | -13.39        | QP     |
| 6                     | 721.726 | 41.67 | 19.76             | 4.26 | 28.58     | 37.11  | 46.00  | -8.89         | QP     |
|                       |         |       |                   |      |           |        |        |               |        |



#### **Above 1GHz**

Horizontal:



Site

Condition

EUT

: W101 Model Test mode : PC mode Power Rating : AC120V/60Hz Environment : Temp:25.5°C

Huni:55% 101KPa

Test Engineer: Zora

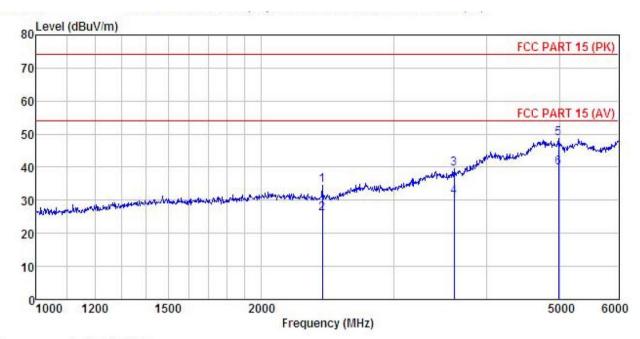
REMARK

| TIME | n :      |       |                    |      |           |                     |               |               |         |
|------|----------|-------|--------------------|------|-----------|---------------------|---------------|---------------|---------|
|      | Freq     |       | Antenna<br>Factor  |      |           |                     | Limit<br>Line | Over<br>Limit | Remark  |
|      | MHz      | dBu₹  | $\overline{-dB/m}$ | dB   | <u>dB</u> | $\overline{dBuV/m}$ | dBuV/m        | dB            |         |
| 1    | 2410.306 | 48.37 | 23.68              | 4.71 | 41.93     | 34.83               | 74.00         | -39.17        | Peak    |
| 2    | 2410.306 | 39.75 | 23.68              | 4.71 | 41.93     | 26.21               | 54.00         | -27.79        | Average |
| 2    | 3492.606 | 46.10 | 27.80              | 5.76 | 41.44     | 38.22               | 74.00         | -35.78        | Peak    |
| 4    | 3492.606 | 37.40 | 27.80              | 5.76 | 41.44     | 29.52               | 54.00         | -24.48        | Average |
| 5    | 4660.494 | 48.67 | 35.28              | 6.87 | 42.05     | 48.77               | 74.00         | -25.23        | Peak    |
| 6    | 4660.494 | 39.17 | 35.28              | 6.87 | 42.05     | 39.27               | 54.00         | -14.73        | Average |
|      |          |       |                    |      |           |                     |               |               |         |





### Vertical:



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

EUT Model : W101

Test mode : PC mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5°C Huni:55% 101KPa

Test Engineer: Zora REMARK :

| (EMAR) | :        |       |                   |      |       |        |               |        |         |
|--------|----------|-------|-------------------|------|-------|--------|---------------|--------|---------|
|        | Freq     |       | Antenna<br>Factor |      |       |        | Limit<br>Line |        | Remark  |
|        |          |       |                   |      |       |        |               |        |         |
| -      | MHz      | ₫₿u₹  | dB/m              | ₫B   | ₫B    | dBuV/m | dBuV/m        | ₫B     |         |
| 1      | 2410.306 | 48.15 | 23.68             | 4.71 | 41.93 | 34.61  | 74.00         | -39.39 | Peak    |
| 2      | 2410.306 | 39.58 | 23.68             | 4.71 | 41.93 | 26.04  | 54.00         | -27.96 | Average |
| 3      | 3613.553 | 46.33 | 28.85             | 5.90 | 41.55 | 39.53  | 74.00         | -34.47 | Peak    |
| 4      | 3613.553 | 37.92 | 28.85             | 5.90 | 41.55 | 31.12  | 54.00         | -22.88 | Average |
| 5      | 4988.864 | 46.83 | 36.84             | 6.93 | 41.88 | 48.72  | 74.00         | -25.28 | Peak    |
| 6      | 4988.864 | 37.84 | 36.84             | 6.93 | 41.88 | 39.73  | 54.00         | -14.27 | Average |