

# FCC CERTIFICATION TEST REPORT

**REPORT NO.:** FC140807C02

**MODEL NO.:** F-03G

**FCC ID:** VQK-F03G

**RECEIVED:** Aug. 08, 2014

**TESTED:** Aug. 20 ~ Aug. 21, 2014

**ISSUED:** Sep. 01, 2014

**APPLICANT:** FUJITSU LIMITED

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**ISSUED BY:** Bureau Veritas Consumer Products Services (H.K.)  
Ltd., Taoyuan Branch

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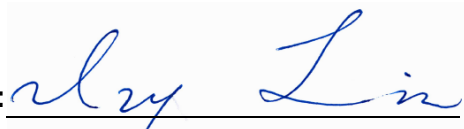
## RELEASE CONTROL RECORD

| ISSUE NO.   | REASON FOR CHANGE | DATE ISSUED   |
|-------------|-------------------|---------------|
| FC140807C02 | Original release  | Sep. 01, 2014 |

## 1 CERTIFICATION

**PRODUCT:** Tablet PC  
**MODEL:** F-03G  
**BRAND:** FUJITSU  
**APPLICANT:** FUJITSU LIMITED  
**TEST SAMPLE:** ENGINEERING SAMPLE  
**TESTED:** Aug. 20 ~ Aug. 21, 2014  
**STANDARD:** **FCC Part 15, Subpart B, Class B**  
**ICES-003:2012 Issue 5, Class B**  
ANSI C63.4:2009

The above equipment (Model: F-03G) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

**PREPARED BY :**  , **DATE :** Sep. 01, 2014  
Ivy Lin / Specialist

**APPROVED BY :**  , **DATE :** Sep. 01, 2014  
Ken Liu / Senior Manager

## 2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications.

| EMISSION                        |                                       |        |                                                                                 |
|---------------------------------|---------------------------------------|--------|---------------------------------------------------------------------------------|
| Standard                        | Test Type                             | Result | Remarks                                                                         |
| FCC Part 15, Subpart B, Class B | Conducted emissions test              | PASS   | Meet the requirement of limit. Minimum passing margin is -3.25dB at 0.55988MHz. |
| ICES-003:2012 Issue 5, Class B  | Radiated emissions test (30MHz~40GHz) | PASS   | Meet the requirement of limit. Minimum passing margin is -5.58dB at 355.21MHz.  |

### 2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .

| Measurement         | Frequency      | Uncertainty |
|---------------------|----------------|-------------|
| Conducted emissions | 150kHz ~ 30MHz | 2.44 dB     |
| Radiated emissions  | 30MHz ~ 1GHz   | 4.70 dB     |
|                     | Above 1GHz     | 2.26 dB     |

The listed uncertainties are the worst case uncertainty for the entire range of measurement. Please note that the uncertainty values are provided for informational purposes only and are not used in determining the PASS/FAIL results.

### 3 GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

|                          |                                                                                                                    |
|--------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>EUT</b>               | Tablet PC                                                                                                          |
| <b>MODEL NO.</b>         | F-03G                                                                                                              |
| <b>POWER SUPPLY</b>      | 3.75Vdc (Battery)<br>5Vdc (Adapter or cradle when normal charging)<br>9Vdc (Adapter or cradle when quick charging) |
| <b>I/O PORTS</b>         | Refer to users' manual                                                                                             |
| <b>ACCESSORY DEVICES</b> | Refer to Note as below                                                                                             |

**NOTE:**

1. The EUT contains the following accessories.

| No. | Product | Brand      | Model | Description                                                                   |
|-----|---------|------------|-------|-------------------------------------------------------------------------------|
| 1   | Battery | NTT docomo | N/A   | 3.75Vdc, 7,840mAh                                                             |
| 2   | Cradle  | NTT docomo | F48   | Input : 5.0Vdc, 1.5A, 9.0V 1.5A (QC)<br>Output : 5.0Vdc, 1.5A, 9.0V 1.5A (QC) |

2. The following adapter is supports only.

| PRODUCT | BRAND      | MODEL         | DESCRIPTION                                                                                                                                    |
|---------|------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Adapter | NTT docomo | AC Adaptor 05 | Input: 100-240Vac, 50-60Hz, 0.4A<br>Output: 5.0Vdc, 1.8A<br>9.0Vdc, 1.8A (QC)<br>Power line:<br>1.25m cable with two cores attached on adapter |

- SW version is R07Ae.
- HW version is V2.1.0.
- IMEI Code: 354015060005048.
- The EUT's highest operating frequency is 5GHz. Therefore the radiated emissions tests are tested up to 40GHz.
- The above EUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

### 3.2 DESCRIPTION OF TEST MODES

The EUT consumes power from adapter, which is designed with AC power supply of 100-240Vac, 50-60Hz or from cradle with AC power supply of 100-240Vac.

For radiated emissions below 1GHz test, the EUT has been pre-tested under the following test modes, and **test mode 3** was found to be the worst case for final test.

| Test Mode | Test Condition                                                                                        |
|-----------|-------------------------------------------------------------------------------------------------------|
| 1         | GSM 850 Idle + WIFI Idle + BT Idle + GPS RX + ANT plus Idle + MP4 (SD card) + Earphone + Adapter      |
| 2         | GSM 1900 Idle + WIFI Idle + BT Idle + GPS RX + ANT plus Idle + MP4 (SD card) + Adapter                |
| 3         | WCDMA Band 5 Idle + WIFI Idle + BT Idle + GPS RX+ ANT plus Idle + Camera (Front) + Earphone + Adapter |
| 4         | GSM 850 Idle + WIFI Idle + BT Idle + GPS RX + ANT plus Idle + Camera (Back) + Earphone + Adapter      |
| 5         | GSM 1900 Idle + WIFI Idle + BT Idle + GPS RX + ANT plus Idle + NFC Idle + USB R/W + Earphone          |
| 6         | EUT Charging + Adapter + Cradle + Earphone                                                            |

Test results are presented in the report as below.

| Test Result                     | Test Condition                                                                                        |
|---------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Conducted emissions test</b> |                                                                                                       |
| A                               | WCDMA Band 5 Idle + WIFI Idle + BT Idle + GPS RX+ ANT plus Idle + Camera (Front) + Earphone + Adapter |
| B                               | EUT Charging + Adapter + Cradle + Earphone                                                            |
| <b>Radiated emissions test</b>  |                                                                                                       |
| A                               | WCDMA Band 5 Idle + WIFI Idle + BT Idle + GPS RX+ ANT plus Idle + Camera (Front) + Earphone + Adapter |

### 3.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| No. | Product                              | Brand      | Model No.     | Serial No.    | FCC ID     | Remark                                                                   |
|-----|--------------------------------------|------------|---------------|---------------|------------|--------------------------------------------------------------------------|
| A.  | Universal Radio Communication Tester | R&S        | CMU200        | 122554        | NA         | -                                                                        |
| B.  | GPS simulator                        | T&E        | GS-50         | 610493        | NA         | -                                                                        |
| C.  | Bluetooth Earphone                   | ELECOM     | LBT-MPHS400   | NA            | NA         | -                                                                        |
| D.  | Wireless N Dual band Router          | D-LINK     | DIR-815       | PVK21B5000399 | KA21R815A1 | -                                                                        |
| E.  | Adapter                              | NTT docomo | AC Adapter 05 | NA            | NA         | I/P: 100-240Vac, 50-60Hz 0.4A<br>O/P: 5.0Vdc, 1.8A,<br>9.0Vdc, 1.8A (QC) |
| F.  | Earphone                             | htc        | NA            | NA            | NA         | -                                                                        |
| G.  | Antenna                              | Adidas     | Q00145        | NA            | NA         | -                                                                        |
| H.  | SIM Card                             | R&S        | CMW-Z04       | N/A           | N/A        | -                                                                        |
| I.  | SD Card                              | SanDisk    | 8GB           | N/A           | N/A        | -                                                                        |

**NOTE:**

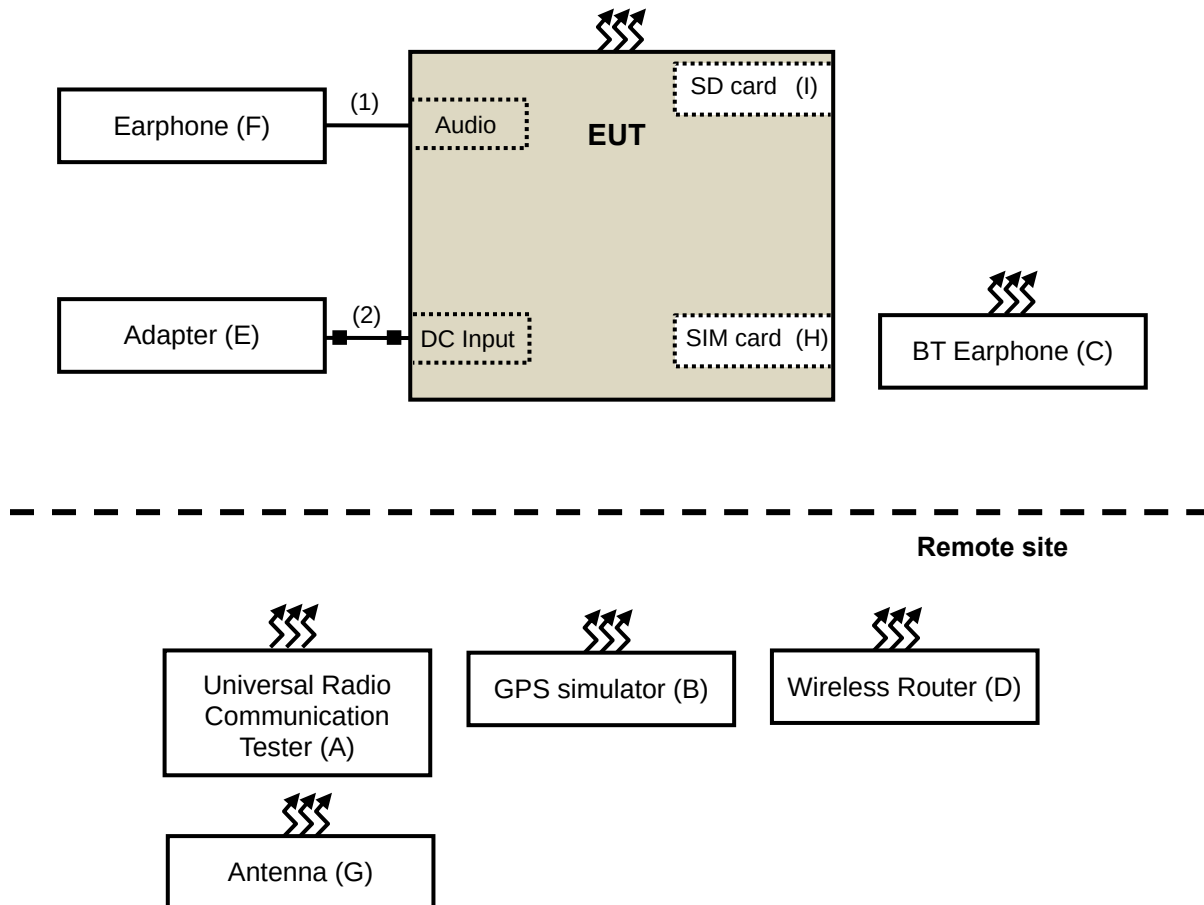
1. All power cords of the above support units are non-shielded (1.8 m).
2. Items A-D & G acted as communication partners to transfer data.
3. Item E was provided by the client.

| No. | Cable          | Qty. | Length (m) | Shielded (Yes/ No) | Cores (Number) | Remark                 |
|-----|----------------|------|------------|--------------------|----------------|------------------------|
| 1.  | Earphone cable | 1    | 1.20       | N                  | 0              | -                      |
| 2.  | USB cable      | 1    | 1.25       | N                  | 2              | Provided by the client |

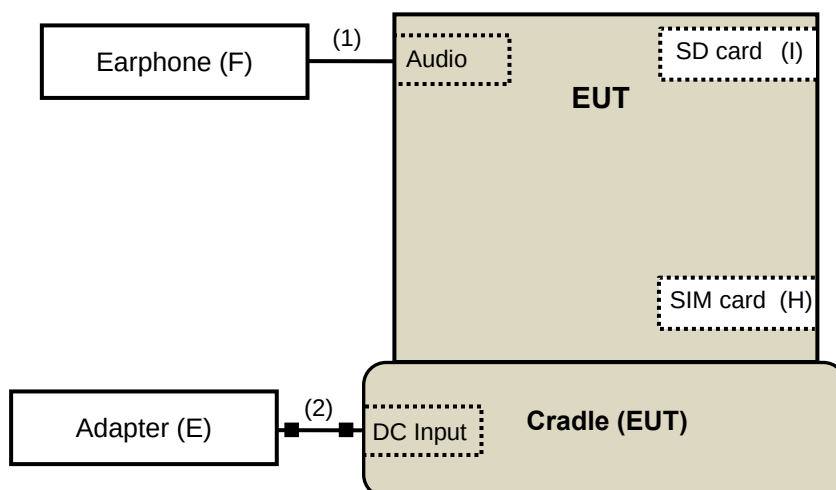
**NOTE:** The core(s) is(are) originally attached to the cable(s).

### 3.4 CONFIGURATION OF SYSTEM UNDER TEST

#### TEST MODE A



#### TEST MODE B



## 4 TEST TYPES AND RESULTS

### 4.1 CONDUCTED EMISSIONS MEASUREMENT

#### 4.1.1 LIMITS OF CONDUCTED EMISSIONS MEASUREMENT

##### TEST STANDARD:

FCC Part 15, Subpart B (section: 15.107)

ICES-003:2012 Issue 5 (section: 6.1)

| Frequency (MHz) | Class A (dBuV) |         | Class B (dBuV) |         |
|-----------------|----------------|---------|----------------|---------|
|                 | Quasi-peak     | Average | Quasi-peak     | Average |
| 0.15-0.5        | 79             | 66      | 66-56          | 56-46   |
| 0.5-5           | 73             | 60      | 56             | 46      |
| 5-30            | 73             | 60      | 60             | 50      |

- NOTE:**
1. The lower limit shall apply at the transition frequencies.
  2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
  3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

#### 4.1.2 TEST INSTRUMENTS

| DESCRIPTION & MANUFACTURER              | MODEL NO.                | SERIAL NO.     | DATE OF CALIBRATION | DUE DATE OF CALIBRATION |
|-----------------------------------------|--------------------------|----------------|---------------------|-------------------------|
| Test Receiver<br>ROHDE & SCHWARZ        | ESCS30                   | 100289         | Nov. 29, 2013       | Nov. 28, 2014           |
| RF signal cable<br>Woken                | 5D-FB                    | Cable-HYC01-01 | Dec. 27, 2013       | Dec. 26, 2014           |
| LISN<br>ROHDE & SCHWARZ<br>(EUT)        | ESH3-Z5                  | 835239/001     | Feb. 13, 2014       | Feb. 12, 2015           |
| LISN<br>ROHDE & SCHWARZ<br>(Peripheral) | ESH3-Z5                  | 100311         | Jul. 21, 2014       | Jul. 20, 2015           |
| Software<br>ADT                         | BV ADT_Cond_<br>V7.3.7.3 | NA             | NA                  | NA                      |

- Notes:
1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
  2. The test was performed in HwaYa Shielded Room 1.
  3. The VCCI Site Registration No. is C-2040.

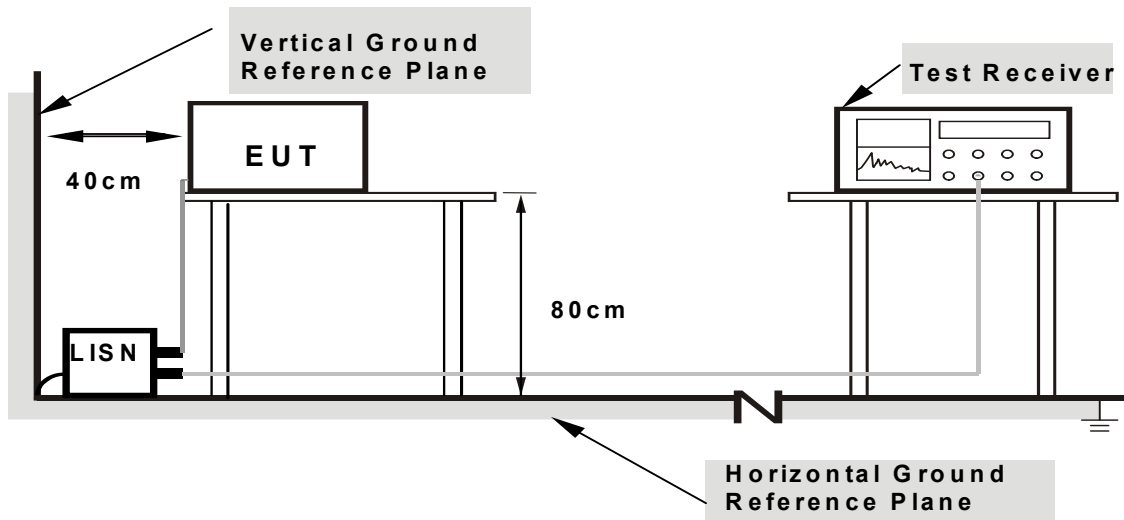
#### 4.1.3 TEST PROCEDURES

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under Limit - 20dB was not recorded.

#### 4.1.4 DEVIATION FROM TEST STANDARD

No deviation.

#### 4.1.5 TEST SETUP



**Note: 1.Support units were connected to second LISN.**

**2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes**

For the actual test configuration, please refer to the related item – Photographs of the Test Configuration.

#### 4.1.6 EUT OPERATING CONDITIONS

##### TEST MODE A

- Placed the EUT on the test table.
- The EUT linked with the Bluetooth Earphone, GPS simulator, Universal Radio Communication Tester, Wireless N Dual band Router and Ant., which acted as a communication partner, and then set the LTE, WIFI, Bluetooth and ANT plus function in idle condition, GPS function in RX condition.
- Camera function of EUT was enabled during testing.
- The EUT played MP4 function and sent audio signals to the earphone.

##### TEST MODE B

- Placed the EUT on the cradle and located it on the test table, the EUT was powered by cradle at charging mode.

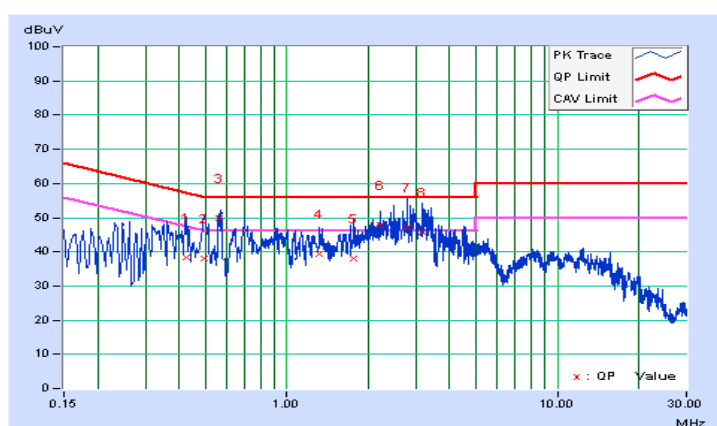
#### 4.1.7 TEST RESULTS

|                 |                |                                          |                                      |
|-----------------|----------------|------------------------------------------|--------------------------------------|
| Frequency Range | 150kHz ~ 30MHz | Detector Function & Resolution Bandwidth | Quasi-Peak (QP) / Average (AV), 9kHz |
| Input Power     | 120Vac, 60Hz   | Environmental Conditions                 | 22°C, 63%RH                          |
| Tested by       | Daniel Lin     | Test Date                                | 2014/8/20                            |
| Test Mode       | Mode A         |                                          |                                      |

| Phase Of Power : Line (L) |                 |                        |                      |              |                       |              |              |              |              |              |
|---------------------------|-----------------|------------------------|----------------------|--------------|-----------------------|--------------|--------------|--------------|--------------|--------------|
| No                        | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |              | Emission Level (dBuV) |              | Limit (dBuV) |              | Margin (dB)  |              |
|                           |                 |                        | Q.P.                 | AV.          | Q.P.                  | AV.          | Q.P.         | AV.          | Q.P.         | AV.          |
| 1                         | 0.42370         | 0.11                   | 38.19                | 26.31        | 38.30                 | 26.42        | 57.38        | 47.38        | -19.07       | -20.95       |
| 2                         | 0.49454         | 0.13                   | 38.06                | 27.08        | 38.19                 | 27.21        | 56.09        | 46.09        | -17.91       | -18.89       |
| <b>3</b>                  | <b>0.55988</b>  | <b>0.14</b>            | <b>49.67</b>         | <b>42.61</b> | <b>49.81</b>          | <b>42.75</b> | <b>56.00</b> | <b>46.00</b> | <b>-6.19</b> | <b>-3.25</b> |
| 4                         | 1.31909         | 0.22                   | 39.19                | 31.54        | 39.41                 | 31.76        | 56.00        | 46.00        | -16.59       | -14.24       |
| 5                         | 1.77265         | 0.24                   | 37.93                | 27.46        | 38.17                 | 27.70        | 56.00        | 46.00        | -17.83       | -18.30       |
| 6                         | 2.21057         | 0.25                   | 47.48                | 32.39        | 47.73                 | 32.64        | 56.00        | 46.00        | -8.27        | -13.36       |
| 7                         | 2.77361         | 0.25                   | 46.97                | 31.88        | 47.22                 | 32.13        | 56.00        | 46.00        | -8.78        | -13.87       |
| 8                         | 3.14897         | 0.26                   | 45.57                | 36.59        | 45.83                 | 36.85        | 56.00        | 46.00        | -10.17       | -9.15        |

#### Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

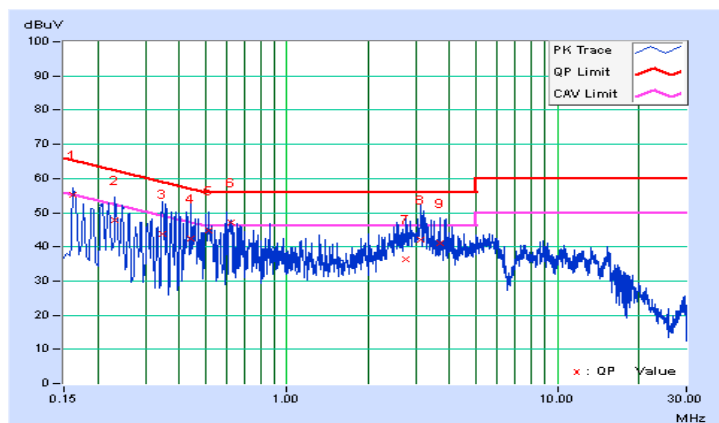


|                 |                |                                          |                                      |
|-----------------|----------------|------------------------------------------|--------------------------------------|
| Frequency Range | 150kHz ~ 30MHz | Detector Function & Resolution Bandwidth | Quasi-Peak (QP) / Average (AV), 9kHz |
| Input Power     | 120Vac, 60Hz   | Environmental Conditions                 | 22°C, 63%RH                          |
| Tested by       | Daniel Lin     | Test Date                                | 2014/8/20                            |
| Test Mode       | Mode A         |                                          |                                      |

| Phase Of Power : Neutral (N) |                 |                        |                      |       |                       |       |              |       |             |        |
|------------------------------|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
| No                           | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|                              |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1                            | 0.16181         | 0.06                   | 55.24                | 44.16 | 55.30                 | 44.22 | 65.37        | 55.37 | -10.07      | -11.15 |
| 2                            | 0.23216         | 0.10                   | 47.69                | 35.81 | 47.79                 | 35.91 | 62.37        | 52.37 | -14.58      | -16.46 |
| 3                            | 0.34550         | 0.15                   | 43.68                | 31.82 | 43.83                 | 31.97 | 59.07        | 49.07 | -15.24      | -17.10 |
| 4                            | 0.44325         | 0.17                   | 42.16                | 26.75 | 42.33                 | 26.92 | 57.00        | 47.00 | -14.67      | -20.08 |
| 5                            | 0.51448         | 0.18                   | 44.74                | 34.35 | 44.92                 | 34.53 | 56.00        | 46.00 | -11.08      | -11.47 |
| 6                            | 0.62311         | 0.19                   | 46.95                | 37.67 | 47.14                 | 37.86 | 56.00        | 46.00 | -8.86       | -8.14  |
| 7                            | 2.74233         | 0.23                   | 36.28                | 23.89 | 36.51                 | 24.12 | 56.00        | 46.00 | -19.49      | -21.88 |
| 8                            | 3.11769         | 0.24                   | 41.88                | 30.79 | 42.12                 | 31.03 | 56.00        | 46.00 | -13.88      | -14.97 |
| 9                            | 3.66900         | 0.25                   | 40.94                | 28.27 | 41.19                 | 28.52 | 56.00        | 46.00 | -14.81      | -17.48 |

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

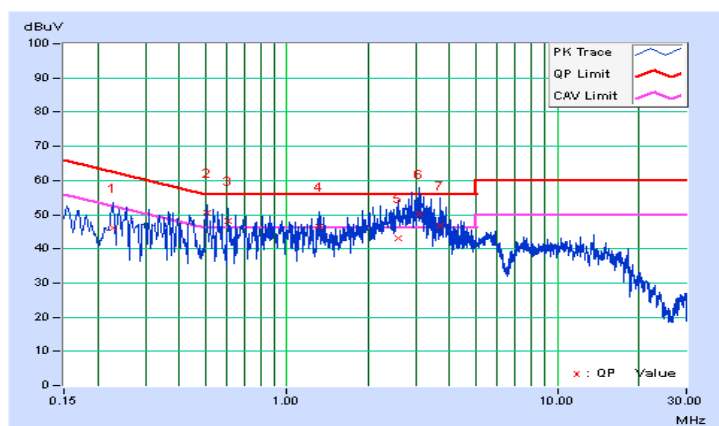


|                 |                |                                          |                                      |
|-----------------|----------------|------------------------------------------|--------------------------------------|
| Frequency Range | 150kHz ~ 30MHz | Detector Function & Resolution Bandwidth | Quasi-Peak (QP) / Average (AV), 9kHz |
| Input Power     | 120Vac, 60Hz   | Environmental Conditions                 | 22°C, 63%RH                          |
| Tested by       | Daniel Lin     | Test Date                                | 2014/8/20                            |
| Test Mode       | Mode B         |                                          |                                      |

| Phase Of Power : Line (L) |                 |                        |                      |       |                       |       |              |       |             |        |
|---------------------------|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
| No                        | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|                           |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1                         | 0.22820         | 0.09                   | 45.89                | 37.01 | 45.98                 | 37.10 | 62.51        | 52.51 | -16.53      | -15.41 |
| 2                         | 0.50581         | 0.13                   | 50.43                | 42.13 | 50.56                 | 42.26 | 56.00        | 46.00 | -5.44       | -3.74  |
| 3                         | 0.60747         | 0.14                   | 48.08                | 36.68 | 48.22                 | 36.82 | 56.00        | 46.00 | -7.78       | -9.18  |
| 4                         | 1.31127         | 0.22                   | 46.38                | 35.63 | 46.60                 | 35.85 | 56.00        | 46.00 | -9.40       | -10.15 |
| 5                         | 2.58984         | 0.25                   | 42.74                | 33.61 | 42.99                 | 33.86 | 56.00        | 46.00 | -13.01      | -12.14 |
| 6                         | 3.07859         | 0.26                   | 50.06                | 39.95 | 50.32                 | 40.21 | 56.00        | 46.00 | -5.68       | -5.79  |
| 7                         | 3.70028         | 0.26                   | 46.41                | 36.06 | 46.67                 | 36.32 | 56.00        | 46.00 | -9.33       | -9.68  |

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
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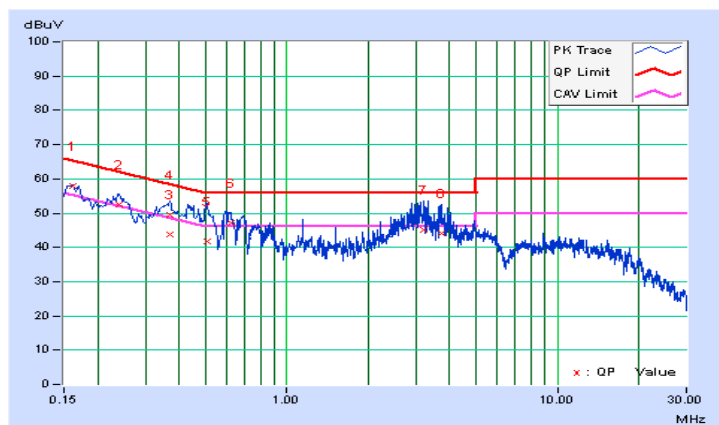


|                 |                |                                          |                                      |
|-----------------|----------------|------------------------------------------|--------------------------------------|
| Frequency Range | 150kHz ~ 30MHz | Detector Function & Resolution Bandwidth | Quasi-Peak (QP) / Average (AV), 9kHz |
| Input Power     | 120Vac, 60Hz   | Environmental Conditions                 | 22°C, 63%RH                          |
| Tested by       | Daniel Lin     | Test Date                                | 2014/8/20                            |
| Test Mode       | Mode B         |                                          |                                      |

| Phase Of Power : Neutral (N) |                 |                        |                      |       |                       |       |              |       |             |        |
|------------------------------|-----------------|------------------------|----------------------|-------|-----------------------|-------|--------------|-------|-------------|--------|
| No                           | Frequency (MHz) | Correction Factor (dB) | Reading Value (dBuV) |       | Emission Level (dBuV) |       | Limit (dBuV) |       | Margin (dB) |        |
|                              |                 |                        | Q.P.                 | AV.   | Q.P.                  | AV.   | Q.P.         | AV.   | Q.P.        | AV.    |
| 1                            | 0.16096         | 0.06                   | 57.72                | 45.90 | 57.78                 | 45.96 | 65.41        | 55.41 | -7.64       | -9.46  |
| 2                            | 0.23898         | 0.11                   | 52.51                | 40.56 | 52.62                 | 40.67 | 62.13        | 52.13 | -9.52       | -11.47 |
| 3                            | 0.36913         | 0.16                   | 43.66                | 30.80 | 43.82                 | 30.96 | 58.52        | 48.52 | -14.70      | -17.56 |
| 4                            | 0.36913         | 0.16                   | 49.18                | 37.22 | 49.34                 | 37.38 | 58.52        | 48.52 | -9.18       | -11.14 |
| 5                            | 0.50774         | 0.18                   | 41.46                | 27.72 | 41.64                 | 27.90 | 56.00        | 46.00 | -14.36      | -18.10 |
| 6                            | 0.61868         | 0.19                   | 47.02                | 37.25 | 47.21                 | 37.44 | 56.00        | 46.00 | -8.79       | -8.56  |
| 7                            | 3.20762         | 0.24                   | 45.01                | 35.16 | 45.25                 | 35.40 | 56.00        | 46.00 | -10.75      | -10.60 |
| 8                            | 3.71197         | 0.25                   | 43.95                | 32.70 | 44.20                 | 32.95 | 56.00        | 46.00 | -11.80      | -13.05 |

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level – Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value



## 4.2 RADIATED EMISSIONS MEASUREMENT

### 4.2.1 LIMITS OF RADIATED EMISSIONS MEASUREMENT

#### TEST STANDARD:

**FCC Part 15, Subpart B (section: 15.109)**

**ICES-003:2012 Issue 5 (section: 6.2)**

Emissions radiated outside of the specified bands, shall be according to the general radiated limits as following:

| Radiated Emissions Limits at 10 meters (dBμV/m) |                            |                             |                   |                   |
|-------------------------------------------------|----------------------------|-----------------------------|-------------------|-------------------|
| Frequencies (MHz)                               | FCC 15B/ ICES-003, Class A | FCC 15B / ICES-003, Class B | CISPR 22, Class A | CISPR 22, Class B |
| 30-88                                           | 39                         | 29.5                        | 40                | 30                |
| 88-216                                          | 43.5                       | 33.1                        |                   |                   |
| 216-230                                         | 46.4                       | 35.6                        |                   |                   |
| 230-960                                         |                            |                             | 47                | 37                |
| 960-1000                                        | 49.5                       | 43.5                        |                   |                   |
| 1000-3000                                       | Avg: 49.5                  | Avg: 43.5                   | Not defined       | Not defined       |
| Above 3000                                      | Peak: 69.5                 | Peak: 63.5                  | Not defined       | Not defined       |

| Radiated Emissions Limits at 3 meters (dBμV/m) |                             |                             |                     |                     |
|------------------------------------------------|-----------------------------|-----------------------------|---------------------|---------------------|
| Frequencies (MHz)                              | FCC 15B / ICES-003, Class A | FCC 15B / ICES-003, Class B | CISPR 22, Class A   | CISPR 22, Class B   |
| 30-88                                          | 49.5                        | 40                          | 50.5                | 40.5                |
| 88-216                                         | 54                          | 43.5                        |                     |                     |
| 216-230                                        | 56.9                        | 46                          |                     |                     |
| 230-960                                        |                             |                             |                     |                     |
| 960-1000                                       | 60                          | 54                          | 57.5                | 47.5                |
| 1000-3000                                      | Avg: 60<br>Peak: 80         | Avg: 54<br>Peak: 74         | Avg: 56<br>Peak: 76 | Avg: 50<br>Peak: 70 |
| Above 3000                                     |                             |                             | Avg: 60<br>Peak: 80 | Avg: 54<br>Peak: 74 |

- NOTE:**
1. The lower limit shall apply at the transition frequencies.
  2. Emission level (dB $\mu$ V/m) = 20 log Emission level (uV/m).
  3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.
  4. QP detector shall be applied if not specified.

| Radiated Emissions Limits at 1.5 meter (dBμV/m) |                             |                             |
|-------------------------------------------------|-----------------------------|-----------------------------|
| Frequencies (MHz)                               | FCC 15B / ICES-003, Class A | FCC 15B / ICES-003, Class B |
| 18000-40000                                     | Avg: 66<br>Peak: 86         | Avg: 60<br>Peak: 80         |

**Note:** Limit@1.5m = Limit@3m + 20log(3/1.5)

#### FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

| Highest frequency generated or used in the device or on which the device operates or tunes (MHz) | Upper frequency of measurement range (MHz)                          |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Below 1.705                                                                                      | 30                                                                  |
| 1.705-108                                                                                        | 1000                                                                |
| 108-500                                                                                          | 2000                                                                |
| 500-1000                                                                                         | 5000                                                                |
| Above 1000                                                                                       | 5th harmonic of the highest frequency or 40 GHz, whichever is lower |

## 4.2.2 TEST INSTRUMENTS

### Frequency range 30MHz~1GHz

| DESCRIPTION & MANUFACTURER              | MODEL NO.                       | SERIAL NO.     | DATE OF CALIBRATION | DUE DATE OF CALIBRATION |
|-----------------------------------------|---------------------------------|----------------|---------------------|-------------------------|
| Test Receiver<br>ROHDE & SCHWARZ<br>(V) | ESR-7                           | 101240         | Sep. 23, 2013       | Sep. 22, 2014           |
| Test Receiver<br>ROHDE & SCHWARZ<br>(H) | ESR-7                           | 101264         | Nov. 29, 2013       | Nov. 28, 2014           |
| BILOG Antenna<br>SCHWARZBECK (V)        | VULB9168                        | 9168-148       | Feb. 25, 2014       | Feb. 24, 2015           |
| BILOG Antenna<br>SCHWARZBECK (H)        | VULB9168                        | 9168-149       | Feb. 25, 2014       | Feb. 24, 2015           |
| Preamplifier<br>Agilent (V)             | 8447D                           | 2944A10636     | Oct. 18, 2013       | Oct. 17, 2014           |
| Preamplifier<br>Agilent (H)             | 8447D                           | 2944A10637     | Oct. 18, 2013       | Oct. 17, 2014           |
| Preamplifier<br>Agilent                 | 8449B                           | 3008A01959     | Oct. 18, 2013       | Oct. 17, 2014           |
| RF signal cable<br>Woken (V)            | 8D-FB                           | Cable-Hych1-01 | Oct. 26, 2013       | Oct. 25, 2014           |
| RF signal cable<br>Woken (H)            | 8D-FB                           | Cable-Hych1-02 | Oct. 26, 2013       | Oct. 25, 2014           |
| Software<br>BV ADT                      | BV<br>ADT_Radiated_<br>V 8.7.07 | NA             | NA                  | NA                      |
| Antenna Tower (V)                       | MFA-440                         | 9707           | NA                  | NA                      |
| Antenna Tower (H)                       | MFA-440                         | 970705         | NA                  | NA                      |
| Turn Table                              | DS430                           | 50303          | NA                  | NA                      |
| Controller (V)                          | MF7802                          | 074            | NA                  | NA                      |
| Controller (H)                          | MF7802                          | 08093          | NA                  | NA                      |

- Notes: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
2. The test was performed in HwaYa Chamber 1.
3. The FCC Site Registration No. is 477732.
4. The IC Site Registration No. is IC 7450F-1.
5. The VCCI Site Registration No. is R-1893, G-113.

### Frequency range above 1GHz

| DESCRIPTION & MANUFACTURER              | MODEL NO.                       | SERIAL NO.                 | DATE OF CALIBRATION | DUE DATE OF CALIBRATION |
|-----------------------------------------|---------------------------------|----------------------------|---------------------|-------------------------|
| Test Receiver<br>ROHDE & SCHWARZ        | ESCI                            | 100613                     | Oct. 24, 2013       | Oct. 23, 2014           |
| Spectrum Analyzer<br>Agilent            | E4446A                          | MY44360124                 | Feb. 12, 2014       | Feb. 11, 2015           |
| BILOG Antenna<br>SCHWARZBECK            | VULB9168                        | 9168-157                   | Feb. 26, 2014       | Feb. 25, 2015           |
| RF signal cable<br>Woken                | 8D-FB                           | NA                         | Mar. 21, 2014       | Mar. 20, 2015           |
| HORN Antenna<br>SCHWARZBECK             | BBHA 9120 D                     | 9120D-404                  | Jan. 05, 2014       | Jan. 04, 2015           |
| Preamplifier<br>Agilent<br>(Below 1GHz) | 8447D                           | 2944A10629                 | Oct. 18, 2013       | Oct. 17, 2014           |
| Preamplifier<br>Agilent<br>(Above 1GHz) | 8449B                           | 3008A01959                 | Oct. 18, 2013       | Oct. 17, 2014           |
| RF signal cable<br>HUBER+SUHNER         | SUCOFLEX 104                    | MWX322+MWX2211<br>308S0295 | Sep. 09, 2013       | Sep. 08, 2014           |
| Software<br>BV ADT                      | BV ADT_Radiated_<br>V7.6.15.9.4 | NA                         | NA                  | NA                      |
| Antenna Tower<br>BV ADT                 | AT100                           | AT93021702                 | NA                  | NA                      |
| Turn Table<br>BV ADT                    | TT100                           | TT93021702                 | NA                  | NA                      |
| Controller<br>BV ADT                    | SC100                           | SC93021702                 | NA                  | NA                      |
| HORN Antenna<br>SCHWARZBECK             | BBHA 9170                       | BBHA9170243                | Jan. 09, 2014       | Jan. 08, 2015           |
| RF signal cable<br>HUBER+SUHNER         | SUCOFLEX 102                    | 38218/2+<br>37433/2        | Oct. 26, 2013       | Oct. 25, 2014           |
| Fix tool for Boresight<br>antenna tower | BAF-01                          | 2                          | NA                  | NA                      |
| 26GHz ~ 40GHz<br>Amplifier              | EMC26400                        | 815221                     | Oct. 18, 2013       | Oct. 17, 2014           |

- Notes: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.  
2. The test was performed in HwaYa Chamber 2.  
3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.  
4. The FCC Site Registration No. is 686814.  
5. The IC Site Registration No. is IC 7450F-2.  
6. The VCCI Site Registration No. is G-18.

### 4.2.3 TEST PROCEDURES

#### Frequency range 30MHz~1GHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from 1 meter to 4 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.
- d. 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.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1GHz.

**NOTE:** The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-Peak (QP) detection at frequency below 1GHz.

### Frequency range above 1GHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For frequency range 1GHz ~ 18GHz, the EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. For frequency range 18GHz ~ 40GHz, the EUT was set 1.5 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The height of antenna can be varied from 1 meter to 4 meters, the height of adjustment depends on the EUT height and the antenna 3dB beamwidth both, to detect the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.

**NOTE:**

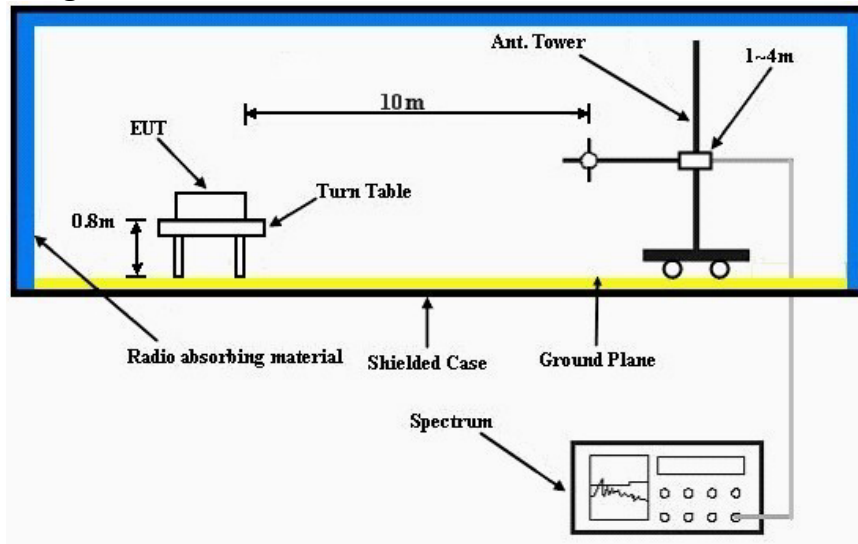
1. The resolution bandwidth is 1MHz and video bandwidth of test receiver/spectrum analyzer is 3MHz for Peak (PK) detection at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz for Average (AV) detection at frequency above 1GHz.
2. For measurement of frequency above 1000MHz, the EUT was set 3 meters away from the receiver antenna.

### 4.2.4 DEVIATION FROM TEST STANDARD

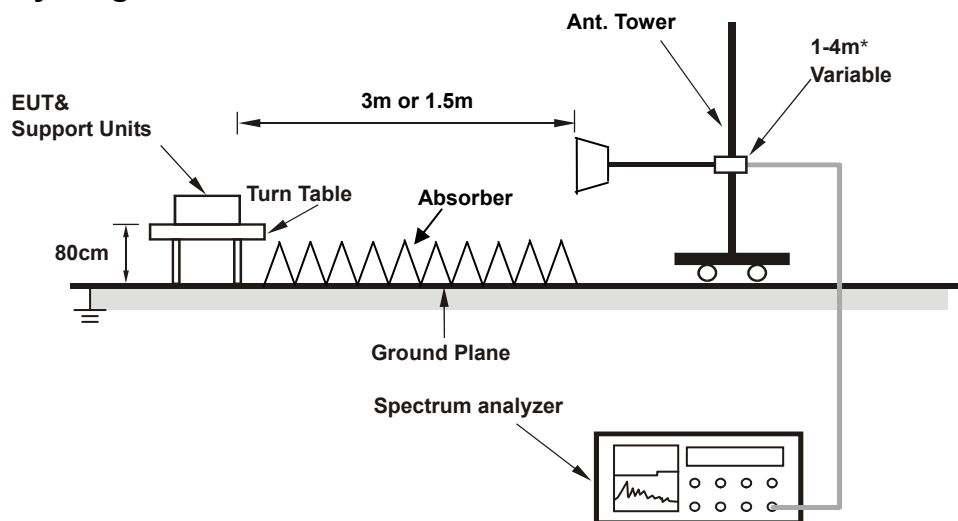
No deviation.

## 4.2.5 TEST SETUP

### Frequency range 30MHz~1GHz



### Frequency range above 1GHz



\* : depends on the EUT height and the antenna 3dB beamwidth both.

For the actual test configuration, please refer to the related Item – Photographs of the Test Configuration.

## 4.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6.

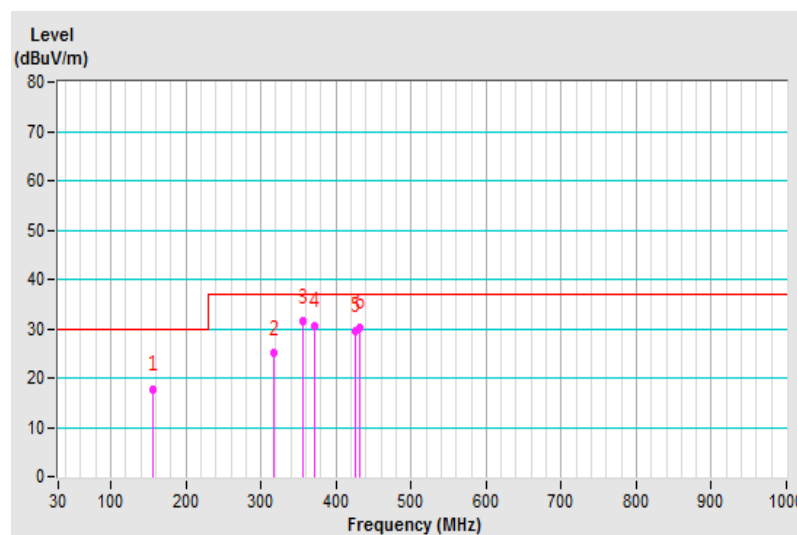
## 4.2.7 TEST RESULTS

|                 |              |                                          |                         |
|-----------------|--------------|------------------------------------------|-------------------------|
| Frequency Range | 30MHz ~ 1GHz | Detector Function & Resolution Bandwidth | Quasi-Peak (QP), 120kHz |
| Input Power     | 120Vac, 60Hz | Environmental Conditions                 | 23°C, 60%RH             |
| Tested by       | Scott Yang   | Test Date                                | 2014/8/20               |

| Antenna Polarity & Test Distance : Horizontal at 10 m |                 |                         |                |              |                    |                      |                  |                          |
|-------------------------------------------------------|-----------------|-------------------------|----------------|--------------|--------------------|----------------------|------------------|--------------------------|
| No                                                    | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB)  | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                     | 156.79          | 17.59 QP                | 30.00          | -12.41       | 4.00 H             | 148                  | 31.62            | -14.03                   |
| 2                                                     | 316.79          | 24.97 QP                | 37.00          | -12.03       | 3.00 H             | 259                  | 36.34            | -11.37                   |
| <b>3</b>                                              | <b>355.21</b>   | <b>31.42 QP</b>         | <b>37.00</b>   | <b>-5.58</b> | <b>3.00 H</b>      | <b>81</b>            | <b>42.04</b>     | <b>-10.62</b>            |
| 4                                                     | 371.21          | 30.62 QP                | 37.00          | -6.38        | 3.00 H             | 81                   | 40.63            | -10.01                   |
| 5                                                     | 425.59          | 29.50 QP                | 37.00          | -7.50        | 2.00 H             | 227                  | 38.39            | -8.89                    |
| 6                                                     | 431.99          | 30.15 QP                | 37.00          | -6.85        | 2.00 H             | 239                  | 38.82            | -8.67                    |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)  
– Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value

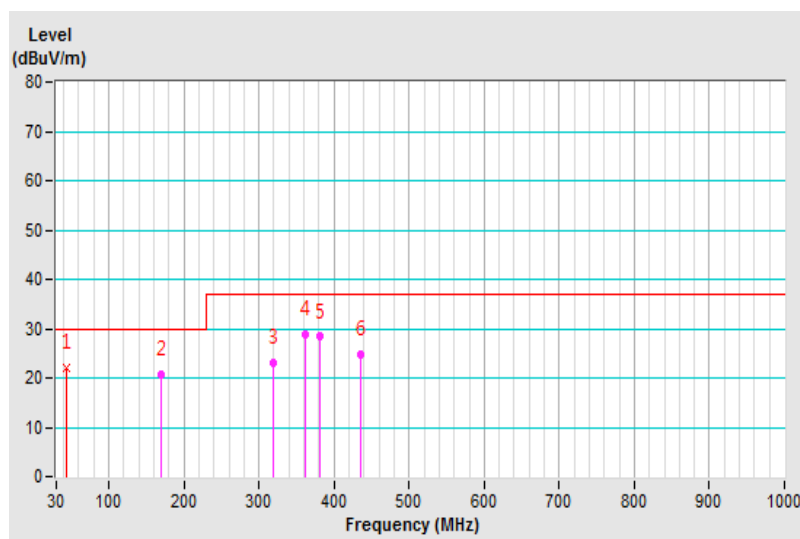


|                 |              |                                          |                         |
|-----------------|--------------|------------------------------------------|-------------------------|
| Frequency Range | 30MHz ~ 1GHz | Detector Function & Resolution Bandwidth | Quasi-Peak (QP), 120kHz |
| Input Power     | 120Vac, 60Hz | Environmental Conditions                 | 23°C, 60%RH             |
| Tested by       | Scott Yang   | Test Date                                | 2014/8/20               |

| Antenna Polarity & Test Distance : Vertical at 10 m |                 |                         |                |             |                    |                      |                  |                          |
|-----------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                  | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                   | 43.24           | 21.98 QP                | 30.00          | -8.02       | 1.00 V             | 67                   | 36.19            | -14.21                   |
| 2                                                   | 169.59          | 20.72 QP                | 30.00          | -9.28       | 1.50 V             | 98                   | 34.33            | -13.61                   |
| 3                                                   | 320.00          | 23.06 QP                | 37.00          | -13.94      | 1.00 V             | 98                   | 33.53            | -10.47                   |
| 4                                                   | 361.61          | 28.73 QP                | 37.00          | -8.27       | 1.00 V             | 177                  | 38.46            | -9.73                    |
| 5                                                   | 380.77          | 28.37 QP                | 37.00          | -8.63       | 1.00 V             | 181                  | 37.62            | -9.25                    |
| 6                                                   | 435.19          | 24.87 QP                | 37.00          | -12.13      | 1.00 V             | 183                  | 32.97            | -8.10                    |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)  
– Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value

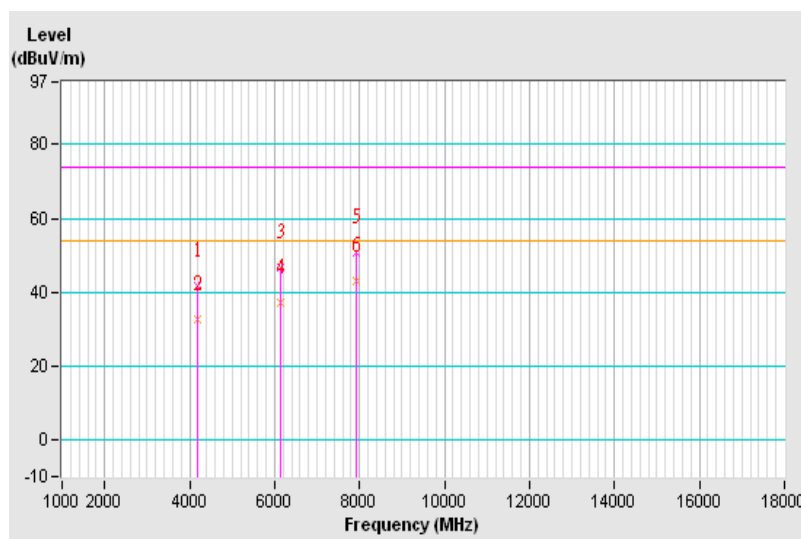


|                 |              |                                          |                                |
|-----------------|--------------|------------------------------------------|--------------------------------|
| Frequency Range | 1GHz ~ 18GHz | Detector Function & Resolution Bandwidth | Peak (PK) / Average (AV), 1MHz |
| Input Power     | 120Vac, 60Hz | Environmental Conditions                 | 22°C, 63%RH                    |
| Tested by       | Pon Tasi     | Test Date                                | 2014/8/21                      |

| Antenna Polarity & Test Distance : Horizontal at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 4201.66         | 41.67 PK                | 74.00          | -32.33      | 1.00 H             | 346                  | 40.71            | 0.96                     |
| 2                                                    | 4201.66         | 32.55 AV                | 54.00          | -21.45      | 1.00 H             | 346                  | 31.59            | 0.96                     |
| 3                                                    | 6156.33         | 46.60 PK                | 74.00          | -27.40      | 1.00 H             | 355                  | 40.57            | 6.03                     |
| 4                                                    | 6156.33         | 37.12 AV                | 54.00          | -16.88      | 1.00 H             | 355                  | 31.09            | 6.03                     |
| 5                                                    | 7913.22         | 50.92 PK                | 74.00          | -23.08      | 1.00 H             | 262                  | 39.52            | 11.40                    |
| 6                                                    | 7913.22         | 43.15 AV                | 54.00          | -10.85      | 1.00 H             | 262                  | 31.75            | 11.40                    |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value

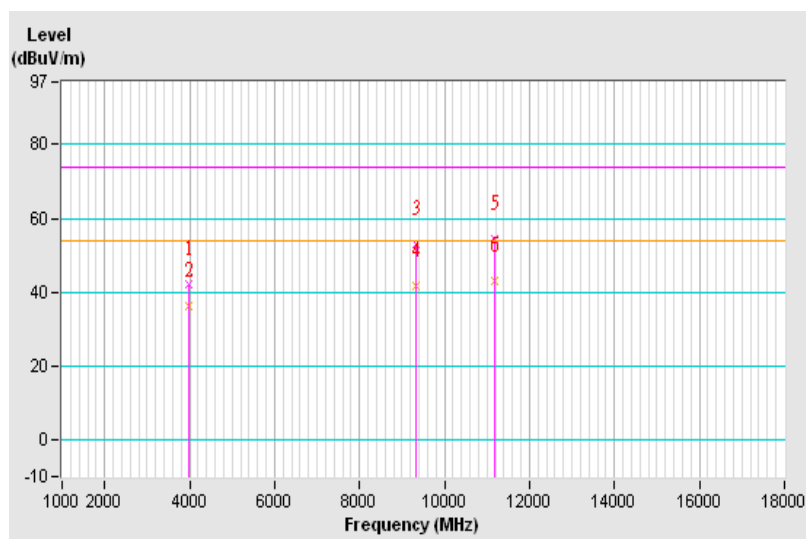


|                 |              |                                          |                                |
|-----------------|--------------|------------------------------------------|--------------------------------|
| Frequency Range | 1GHz ~ 18GHz | Detector Function & Resolution Bandwidth | Peak (PK) / Average (AV), 1MHz |
| Input Power     | 120Vac, 60Hz | Environmental Conditions                 | 22°C, 63%RH                    |
| Tested by       | Pon Tasi     | Test Date                                | 2014/8/21                      |

| Antenna Polarity & Test Distance : Vertical at 3 m |                 |                         |                |             |                    |                      |                  |                          |
|----------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                 | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                  | 3975.00         | 41.98 PK                | 74.00          | -32.02      | 1.00 V             | 12                   | 41.78            | 0.20                     |
| 2                                                  | 3975.00         | 36.32 AV                | 54.00          | -17.68      | 1.00 V             | 12                   | 36.12            | 0.20                     |
| 3                                                  | 9330.02         | 53.13 PK                | 74.00          | -20.87      | 1.00 V             | 28                   | 41.29            | 11.84                    |
| 4                                                  | 9330.02         | 41.55 AV                | 54.00          | -12.45      | 1.00 V             | 28                   | 29.71            | 11.84                    |
| 5                                                  | 11171.67        | 54.43 PK                | 74.00          | -19.57      | 1.00 V             | 18                   | 39.16            | 15.27                    |
| 6                                                  | 11171.67        | 43.02 AV                | 54.00          | -10.98      | 1.00 V             | 18                   | 27.75            | 15.27                    |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)  
– Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value

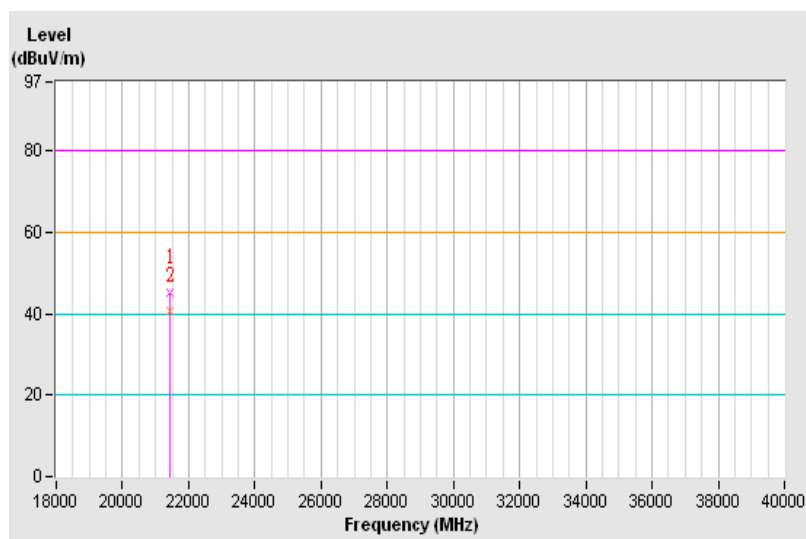


|                 |               |                                          |                                |
|-----------------|---------------|------------------------------------------|--------------------------------|
| Frequency Range | 18GHz ~ 40GHz | Detector Function & Resolution Bandwidth | Peak (PK) / Average (AV), 1MHz |
| Input Power     | 120Vac, 60Hz  | Environmental Conditions                 | 22°C, 63%RH                    |
| Tested by       | Pon Tasi      | Test Date                                | 2014/8/21                      |

| Antenna Polarity & Test Distance : Horizontal at 1.5 m |                 |                         |                |             |                    |                      |                  |                          |
|--------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                     | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                      | 21410.22        | 45.33 PK                | 80.00          | -34.67      | 1.00 H             | 113                  | 47.80            | -2.47                    |
| 2                                                      | 21410.22        | 40.56 AV                | 60.00          | -19.44      | 1.00 H             | 113                  | 43.03            | -2.47                    |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)  
– Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value

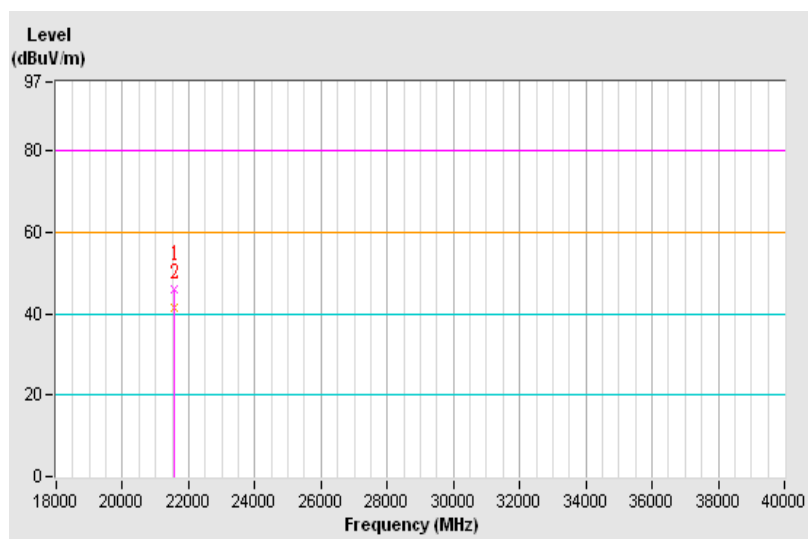


|                 |               |                                          |                                |
|-----------------|---------------|------------------------------------------|--------------------------------|
| Frequency Range | 18GHz ~ 40GHz | Detector Function & Resolution Bandwidth | Peak (PK) / Average (AV), 1MHz |
| Input Power     | 120Vac, 60Hz  | Environmental Conditions                 | 22°C, 63%RH                    |
| Tested by       | Pon Tasi      | Test Date                                | 2014/8/21                      |

| Antenna Polarity & Test Distance : Vertical at 1.5 m |                 |                         |                |             |                    |                      |                  |                          |
|------------------------------------------------------|-----------------|-------------------------|----------------|-------------|--------------------|----------------------|------------------|--------------------------|
| No                                                   | Frequency (MHz) | Emission Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Antenna Height (m) | Table Angle (Degree) | Raw Value (dBuV) | Correction Factor (dB/m) |
| 1                                                    | 21551.06        | 46.17 PK                | 80.00          | -33.83      | 1.00 V             | 255                  | 48.53            | -2.36                    |
| 2                                                    | 21551.06        | 41.55 AV                | 60.00          | -18.45      | 1.00 V             | 255                  | 43.91            | -2.36                    |

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Pre-Amplifier Factor (dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value



## 5 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

## 6 INFORMATION ON THE TESTING LABORATORIES

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

## **7 APPENDIX A – MODIFICATION RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB**

No any modifications were made to the EUT by the lab during the test.

**--- END ---**