



Shenzhen VITE Technology Co., Ltd
Tel: +86-755-89486194 Fax: +86-755-89486187

FCC PART 15 SUBPART B TEST REPORT

FCC Part 15B

Report Reference No......: **VITE10016B1**

Compiled by

(position+printed name+signature)..
File administrators Andy Zhang

Andy Zhang

Name of the organization performing
the tests

Test Engineer Kendy Wang

Kendy Wang

(position+printed name+signature)..
.....

Approved by

(position+printed name+signature)..
Manager Tracy Qi

Tracy Qi

Date of issue.....: Oct 18, 2010

Representative Laboratory Name ..: **Shenzhen VITE Technology Co., Ltd**

Address.....: Suite 2123, Building 4, Hongfa Centre, Central Area Baoan, Baoan
District, Shenzhen, Guangdong, 518101, P.R. China

Test Firm.....: **Bontek Compliance Testing Laboratory Ltd**

Address.....: 1/F, Block East H-3, OCT Eastern Ind. Zone, Qiaocheng East
Road, Nanshan, Shenzhen, China

Applicant's name.....: **Newport Wholesale**

Address.....: 11037 Warner AVE#201,Fountain Valley,CA92708,USA

Test specification:

Standard: FCC Part 15B: Unintentional Radiators

TRF Originator.....: Shenzhen VITE Technology CO., Ltd

Master TRF: Dated 2009-03

Shenzhen VITE Technology Co., Ltd. All rights reserved.

This publication may be reproduced in whole or in part for non-commercial purposes as long as the
Shenzhen VITE Technology Co., Ltd is acknowledged as copyright owner and source of the material.
Shenzhen VITE Technology Co., Ltd takes no responsibility for and will not assume liability for damages
resulting from the reader's interpretation of the reproduced material due to its placement and context.

Test item description: Mobile Phone

Trade Mark: MAXWEST

Model/Type reference.....: WT8000

Listed Models: WT8001, WT8002

Difference description.....: Only the model name is difference

Modulation: /

Work Frequency Range.....: /

Antenna Type.....: /

FCC ID.....: YNFWT8000

Result.....: **Positive**

TEST REPORT

| | | |
|--------------------------|--------------------|---------------|
| Test Report No. : | VITE10016B1 | Oct 18, 2010 |
| | | Date of issue |

Equipment under Test : Mobile Phone

Model /Type : WT8000

Listed Models : WT8001, WT8002

Applicant : Newport Wholesale

Address : 11037 Warner AVE#201,Fountain Valley,CA92708,USA

Manufacturer : Newport Wholesale

Address : 11037 Warner AVE#201,Fountain Valley,CA92708,USA

| | |
|--|-----------------|
| Test Result according to the standards on page 4: | Positive |
|--|-----------------|

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Contents

| | | |
|-----------|--|-----------|
| <u>1.</u> | <u>TEST STANDARDS</u> | <u>4</u> |
| <u>2.</u> | <u>SUMMARY</u> | <u>5</u> |
| 2.1. | General Remarks | 5 |
| 2.2. | Equipment Under Test | 5 |
| 2.3. | Short description of the Equipment under Test (EUT) | 5 |
| 2.4. | EUT operation mode | 5 |
| 2.5. | EUT configuration | 5 |
| 2.6. | Related Submittal(s) / Grant (s) | 6 |
| 2.7. | Modifications | 6 |
| <u>3.</u> | <u>TEST ENVIRONMENT</u> | <u>7</u> |
| 3.1. | Address of the test laboratory | 7 |
| 3.2. | Test Facility | 7 |
| 3.3. | Environmental conditions | 7 |
| 3.4. | Configuration of Tested System | 7 |
| 3.5. | Statement of the measurement uncertainty | 8 |
| 3.6. | Equipments Used during the Test | 8 |
| 3.7. | Summary of Test Result | 9 |
| <u>4.</u> | <u>TEST CONDITIONS AND RESULTS</u> | <u>10</u> |
| 4.1. | Conducted Emissions Test | 10 |
| 4.2. | Radiated Emissions Test | 14 |
| <u>5.</u> | <u>TEST SETUP PHOTOS OF THE EUT</u> | <u>18</u> |
| <u>6.</u> | <u>EXTERNAL AND INTERNAL PHOTOS OF THE EUT</u> | <u>19</u> |

1. TEST STANDARDS

The tests were performed according to following standards:

[FCC PartB: Unintentional Radiators](#)

[ANCI C63.4: 2003](#)

2. SUMMARY

2.1. General Remarks

Date of receipt of test sample : Sep 16, 2010

Testing commenced on : Sep 18, 2010

Testing concluded on : Oct 17, 2010

2.2. Equipment Under Test

Power supply system utilised

Power supply voltage : 120V / 60 Hz 115V / 60Hz
 12 V DC 24 V DC
 Other (specified in blank below)

DC 5V from USB

2.3. Short description of the Equipment under Test (EUT)

GSM mobile phone with Bluetooth and Wi-fi function.

For more details, refer to the user's manual of the EUT.

Serial number: Prototype

2.4. EUT operation mode

Test Mode:

1. The EUT has been tested under normal operating condition.
2. No test program used to control the EUT within testing.

2.5. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

- supplied by the manufacturer

- supplied by the lab

Notebook Computer

Manufacturer : DELL

Model No. : PP26L

Manufacturer :

Model No. :

2.6. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: **YNFWT8000** filing to comply with of the FCC Part 15B Rules.

2.7. Modifications

No modifications were implemented to meet testing criteria.

3. TEST ENVIRONMENT

3.1. Address of the test laboratory

Bontek Compliance Testing Laboratory Ltd
1/F, Block East H-3, OCT Eastern Ind. Zone, Qiaocheng East Road, Nanshan, Shenzhen, China

The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 (2003) and CISPR Publication 22.

3.2. Test Facility

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

IC Registration No.: 7631A

The 3m alternate test site of Bontek Compliance Testing Laboratory Ltd EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 7631A on March, 2008.

FCC-Registration No.: 338263

Bontek Compliance Testing Laboratory 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 our files. Registration 338263, March 24, 2008.

3.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

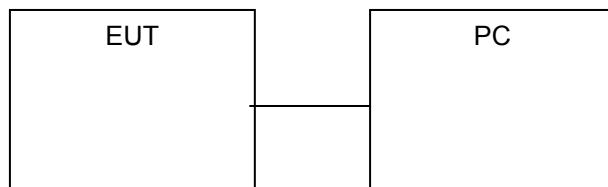
Temperature: 15-35 ° C

Humidity: 30-60 %

Atmospheric pressure: 950-1050mbar

3.4. Configuration of Tested System

Fig. 2-1 Configuration of Tested System



3.5. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the Bontek Compliance Testing Laboratory Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Bontek laboratory is reported:

| Test | Range | Measurement Uncertainty | Notes |
|-----------------------|------------|-------------------------|-------|
| Radiated Emission | 30~1000MHz | 4.10dB | (1) |
| Radiated Emission | 1~12.75GHz | 4.32dB | (1) |
| Conducted Disturbance | 0.15~30MHz | 3.20dB | (1) |

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

3.6. Equipments Used during the Test

| Item | Test Equipment | Manufacturer | Model No. | Last Cal. | Due. Date |
|------|-----------------------------|-----------------|-----------------------|------------|------------|
| 1 | EMI Test Receiver | ROHDE & SCHWARZ | ESCI | 2010/04/15 | 2011/04/14 |
| 2 | Radio Communication Tester | ROHDE & SCHWARZ | CMU200 | 2010/04/15 | 2011/04/14 |
| 3 | Dual Directional Coupler | Agilent | 778D | 2010/04/15 | 2011/04/14 |
| 4 | 10dB attenuator | SCHWARZBECK | MTAIMP-136 | 2010/04/15 | 2011/04/14 |
| 5 | Tunable Bandreject filter | K&L | 3TNF-800 | 2010/04/15 | 2011/04/14 |
| 6 | Tunable Bandreject filter | K&L | 5TNF-1700 | 2010/04/15 | 2011/04/14 |
| 7 | High-Pass Filter | K&L | 9SH10-2700/X12750-O/O | 2010/04/15 | 2011/04/14 |
| 8 | High-Pass Filter | K&L | 41H10-1375/U12750-O/O | 2010/04/15 | 2011/04/14 |
| 9 | Coaxial Cable | Huber+Suhner | AC4-RF-H | 2010/04/15 | 2011/04/14 |
| 10 | AC Power Supply | IDRC | CF-500TP | 2010/04/15 | 2011/04/14 |
| 11 | DC Power Supply | IDRC | CD-035-020PR | 2010/04/15 | 2011/04/14 |
| 12 | RF Current Probe | FCC | F-33-4 | 2010/04/15 | 2011/04/14 |
| 13 | Temperature /Humidity Meter | zhicheng | ZC1-2 | 2010/04/15 | 2011/04/14 |
| 14 | MICROWAVE AMPLIFIER | HP | 8349B | 2010/04/15 | 2011/04/14 |
| 15 | Amplifier | HP | 8447D | 2010/04/15 | 2011/04/14 |
| 16 | SIGNAL GENERATOR | HP | 8647A | 2010/04/15 | 2011/04/14 |
| 17 | Log Periodic Antenna | ELECTRO-METRICS | EM-6950 | 2010/04/15 | 2011/04/14 |
| 18 | Horn Antenna | Schwarzbeck | BBHA9120A | 2010/04/15 | 2011/04/14 |
| 19 | EMI Test Receiver | R&S | ESPI | 2010/04/15 | 2011/04/14 |

3.7. Summary of Test Result

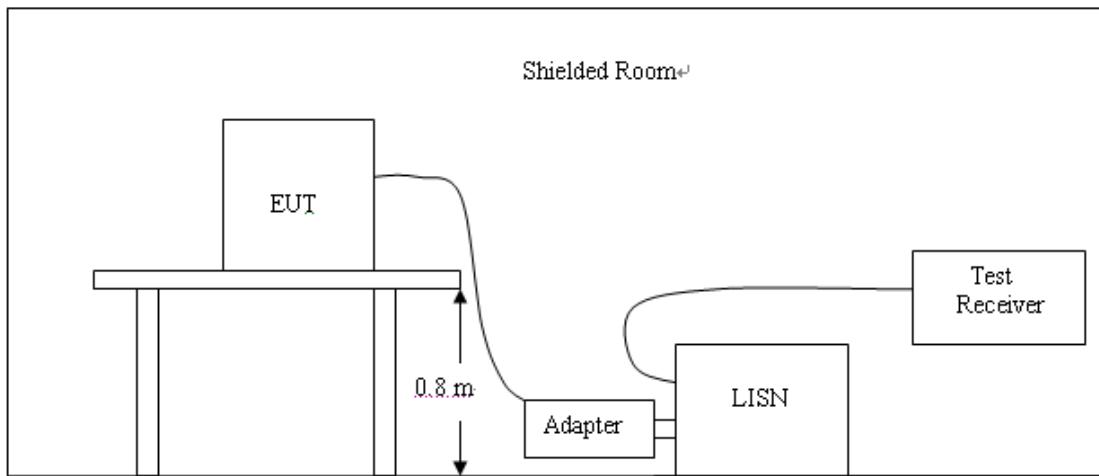
No deviations from the test standards

| Test Item | Test Requirement | Standard Paragraph | Result |
|--------------------|------------------|--------------------|--------|
| Radiated Emission | FCC PART 15 | Section 15.109 | PASS |
| Conducted Emission | FCC PART 15 | Section 15.107 | N/A |

4. TEST CONDITIONS AND RESULTS

4.1. Conducted Emissions Test

TEST CONFIGURATION



TEST PROCEDURE

For unintentional device, according to § 15.107(a) Line Conducted Emission Limits is as following:

| Frequency (MHz) | Maximum RF Line Voltage (dB μ V) | | | |
|--------------------|--------------------------------------|------|---------|--------|
| | CLASS A | | CLASS B | |
| | Q.P. | Ave. | Q.P. | Ave. |
| 0.15 - 0.50 | 79 | 66 | 66-56* | 56-46* |
| 0.50 - 5.00 | 73 | 60 | 56 | 46 |
| 5.00 - 30.0 | 73 | 60 | 60 | 50 |

* Decreasing linearly with the logarithm of the frequency

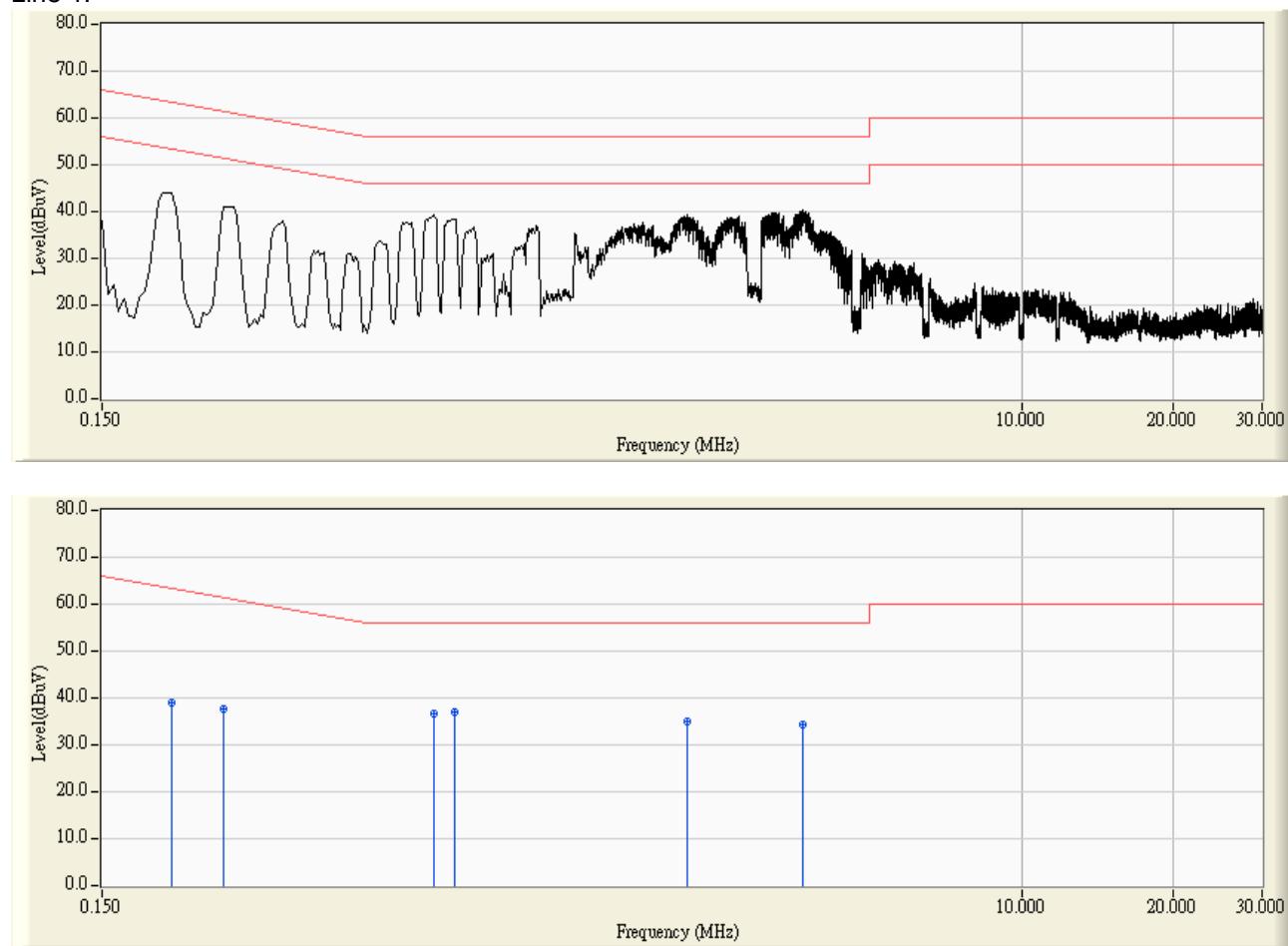
For intentional device, according to §15.207(a) Line Conducted Emission Limit is same as above table.

1. Please follow the guidelines in ANSI C63.4-2003.
2. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
3. Connect EUT to the power mains through a line impedance stabilization network (LISN).
4. All the support units are connecting to the other LISN.
5. The LISN provides 50 ohm coupling impedance for the measuring instrument.
6. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
7. Both sides of AC line were checked for maximum conducted interference.
8. The frequency range from 150 kHz to 30 MHz was searched.
9. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

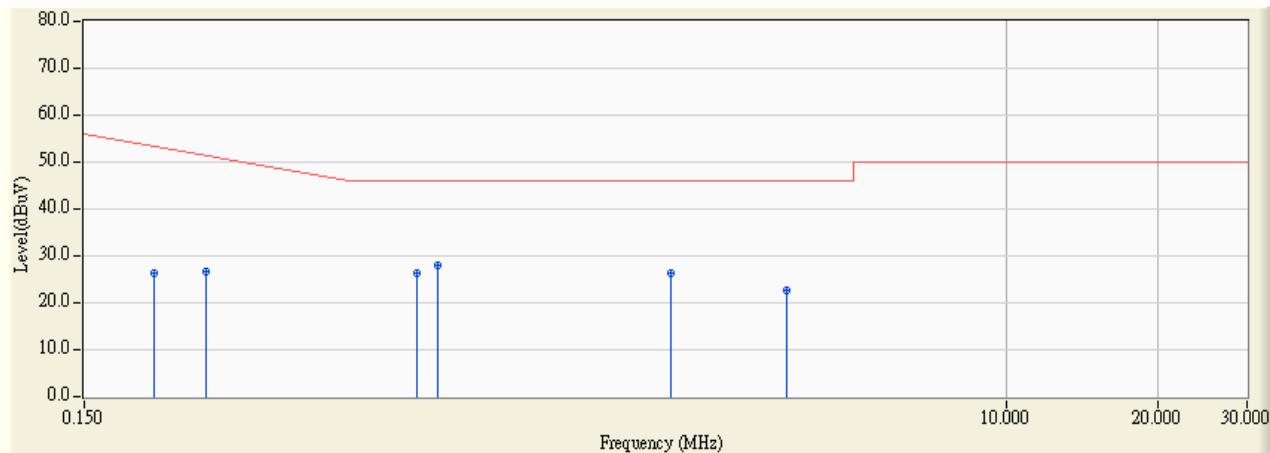
The RBW/VBW for 150KHz to 30MHz: 9KHz

TEST RESULTS

Line 1:



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV) | Margin (dB) | Limit (dBuV) | Detector Type |
|---|---|-----------------|---------------------|----------------------|----------------------|-------------|--------------|---------------|
| 1 | | 0.206 | 9.526 | 29.500 | 39.026 | -25.374 | 64.400 | QUASIPEAK |
| 2 | | 0.262 | 9.469 | 28.200 | 37.669 | -25.131 | 62.800 | QUASIPEAK |
| 3 | | 0.682 | 9.674 | 26.900 | 36.574 | -19.426 | 56.000 | QUASIPEAK |
| 4 | * | 0.750 | 9.687 | 27.300 | 36.987 | -19.013 | 56.000 | QUASIPEAK |
| 5 | | 2.170 | 9.690 | 25.300 | 34.990 | -21.010 | 56.000 | QUASIPEAK |
| 6 | | 3.678 | 9.790 | 24.500 | 34.290 | -21.710 | 56.000 | QUASIPEAK |

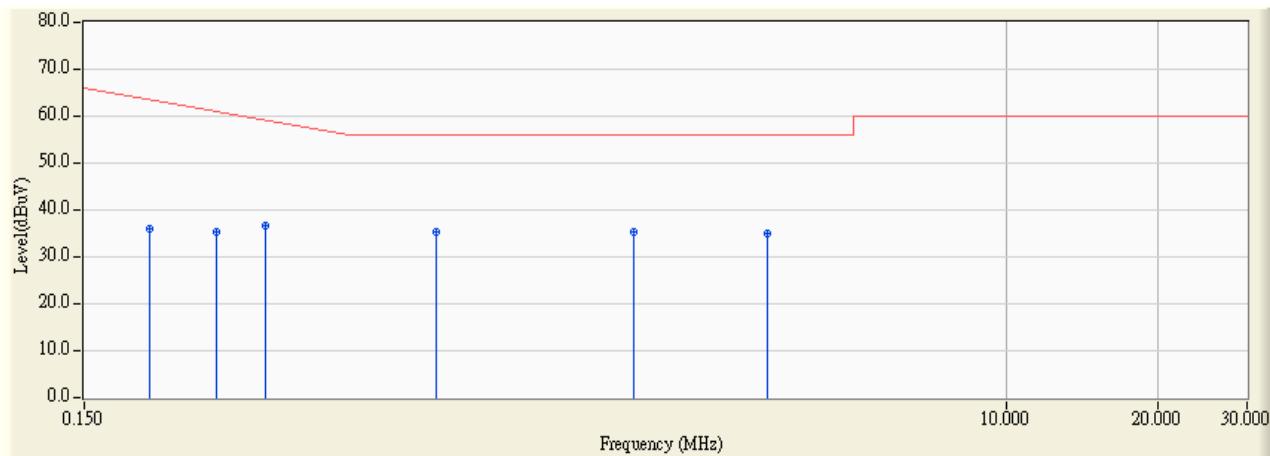
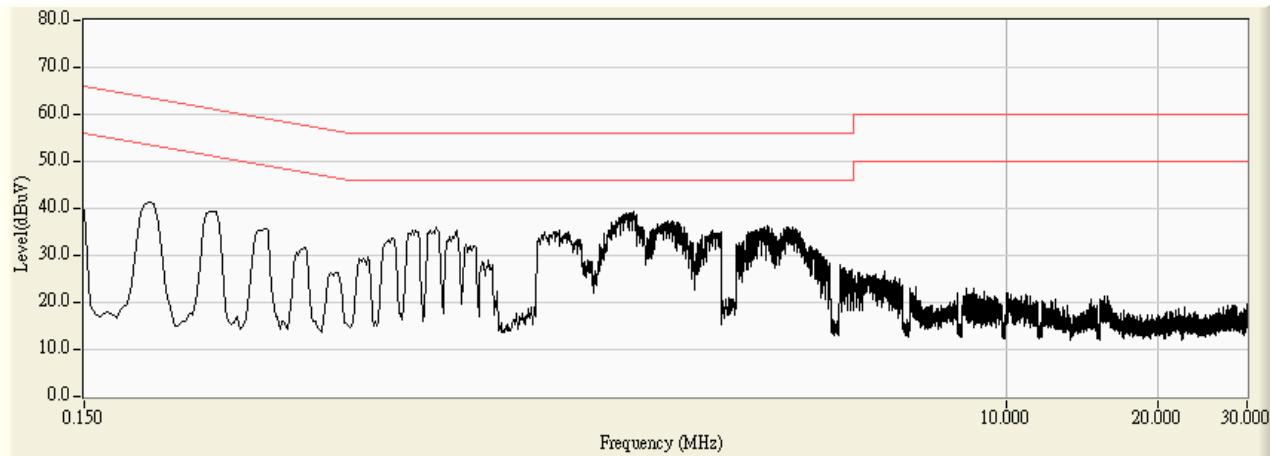


| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV) | Margin (dB) | Limit (dBuV) | Detector Type |
|---|---|-----------------|---------------------|----------------------|----------------------|-------------|--------------|---------------|
| 1 | | 0.206 | 9.526 | 16.800 | 26.326 | -28.074 | 54.400 | AVERAGE |
| 2 | | 0.262 | 9.469 | 17.300 | 26.769 | -26.031 | 52.800 | AVERAGE |
| 3 | | 0.682 | 9.674 | 16.800 | 26.474 | -19.526 | 46.000 | AVERAGE |
| 4 | * | 0.750 | 9.687 | 18.400 | 28.087 | -17.913 | 46.000 | AVERAGE |
| 5 | | 2.170 | 9.690 | 16.500 | 26.190 | -19.810 | 46.000 | AVERAGE |
| 6 | | 3.678 | 9.790 | 12.900 | 22.690 | -23.310 | 46.000 | AVERAGE |

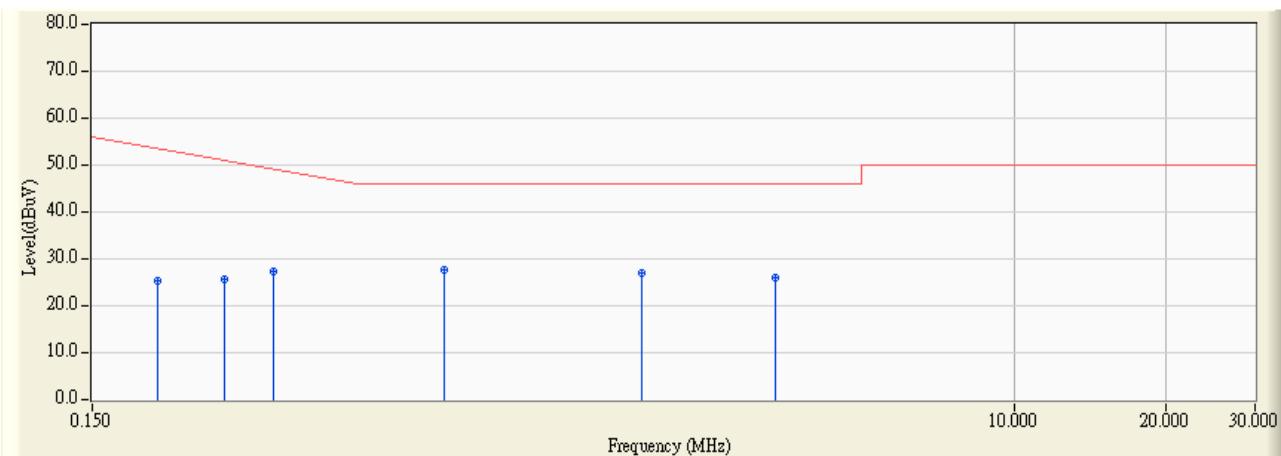
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. "*", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

Line 2:



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV) | Margin (dB) | Limit (dBuV) | Detector Type |
|---|---|-----------------|---------------------|----------------------|----------------------|-------------|--------------|---------------|
| 1 | | 0.202 | 9.648 | 26.300 | 35.948 | -28.566 | 64.514 | QUASIPEAK |
| 2 | | 0.274 | 9.590 | 25.800 | 35.390 | -27.067 | 62.457 | QUASIPEAK |
| 3 | | 0.342 | 9.601 | 27.200 | 36.801 | -23.713 | 60.514 | QUASIPEAK |
| 4 | * | 0.746 | 9.770 | 25.600 | 35.370 | -20.630 | 56.000 | QUASIPEAK |
| 5 | | 1.830 | 9.680 | 25.600 | 35.280 | -20.720 | 56.000 | QUASIPEAK |
| 6 | | 3.366 | 9.690 | 25.400 | 35.090 | -20.910 | 56.000 | QUASIPEAK |



| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV) | Margin (dB) | Limit (dBuV) | Detector Type |
|---|---|-----------------|---------------------|----------------------|----------------------|-------------|--------------|---------------|
| 1 | | 0.202 | 9.648 | 15.600 | 25.248 | -29.266 | 54.514 | AVERAGE |
| 2 | | 0.274 | 9.590 | 16.200 | 25.790 | -26.667 | 52.457 | AVERAGE |
| 3 | | 0.342 | 9.601 | 17.600 | 27.201 | -23.313 | 50.514 | AVERAGE |
| 4 | * | 0.746 | 9.770 | 18.000 | 27.770 | -18.230 | 46.000 | AVERAGE |
| 5 | | 1.830 | 9.680 | 17.200 | 26.880 | -19.120 | 46.000 | AVERAGE |
| 6 | | 3.366 | 9.690 | 16.300 | 25.990 | -20.010 | 46.000 | AVERAGE |

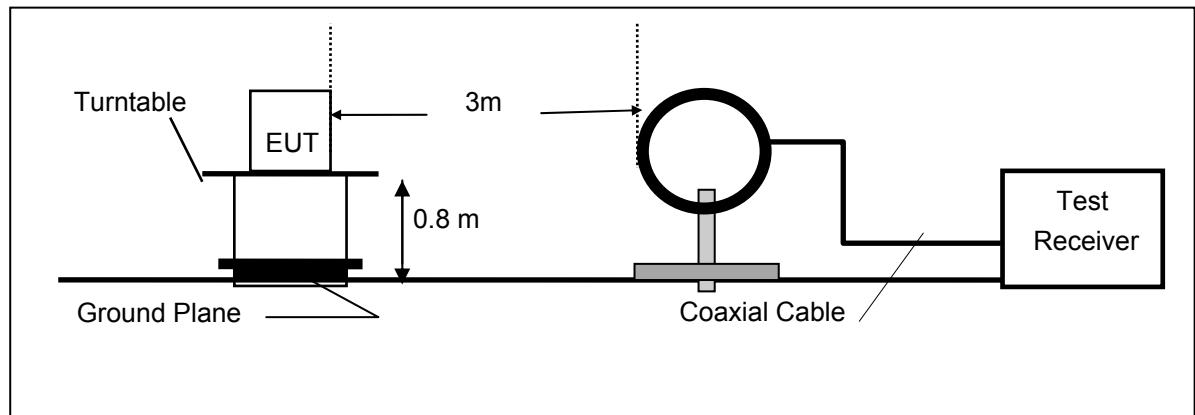
Note:

1. All Reading Levels are Quasi-Peak and average value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor

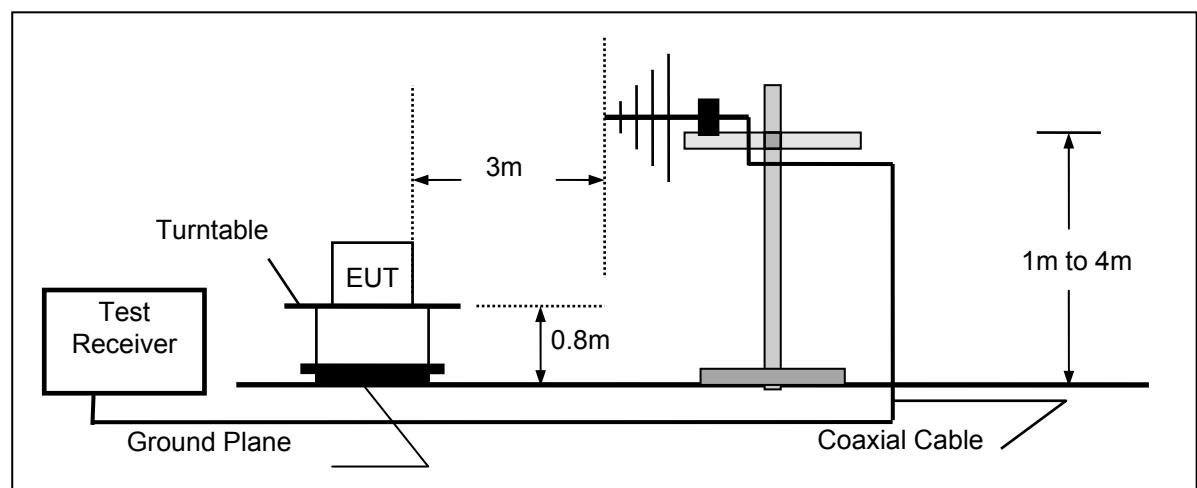
4.2. Radiated Emissions Test

TEST CONFIGURATION

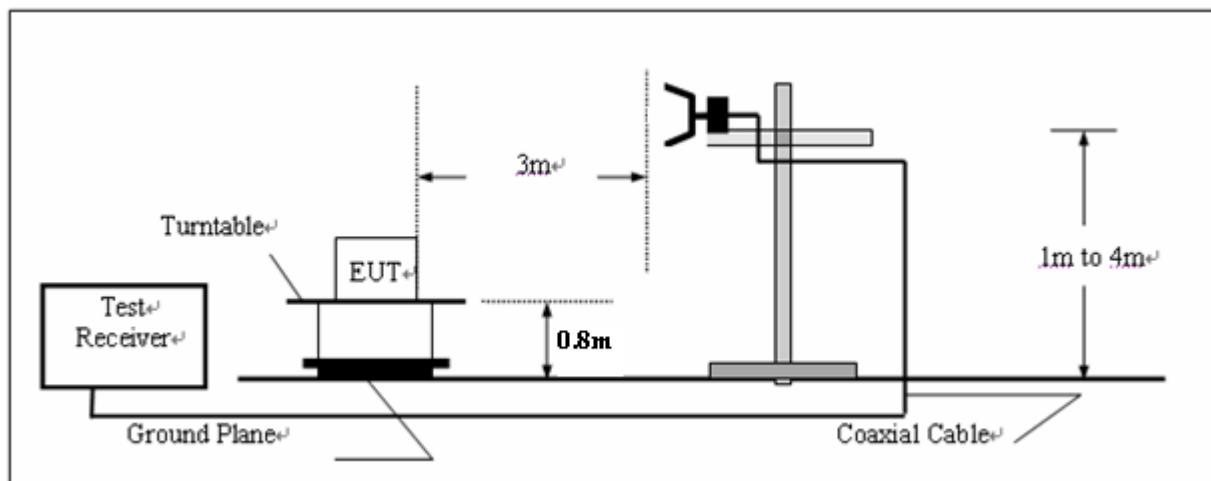
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency Below 1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1000MHz



FIELD STRENGTH CALCULATION

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

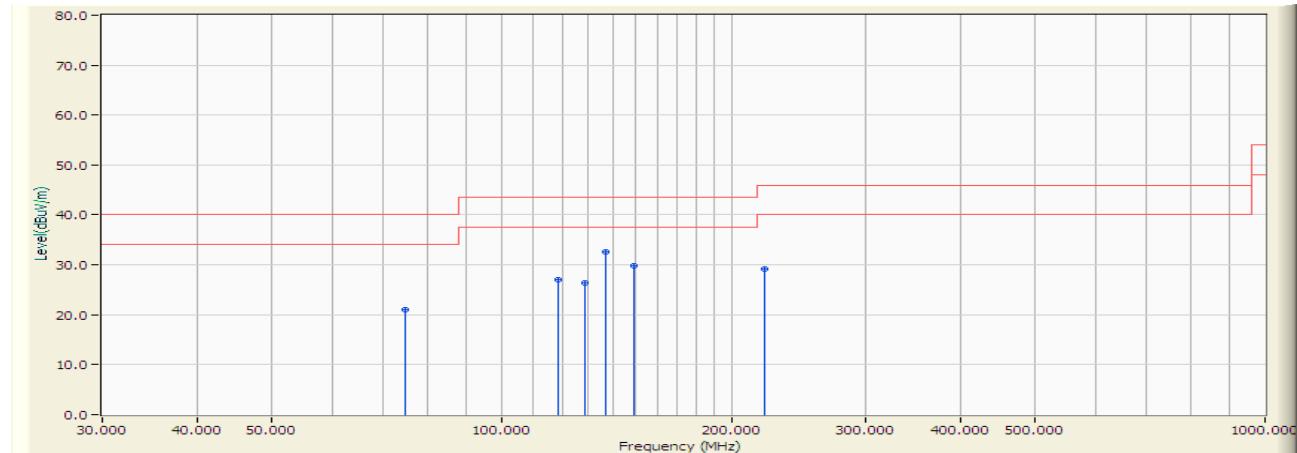
$$FS = RA + AF + CL - AG$$

| | |
|---------------------------|--|
| Where FS = Field Strength | CL = Cable Attenuation Factor (Cable Loss) |
| RA = Reading Amplitude | AG = Amplifier Gain |
| AF = Antenna Factor | |

TEST PROCEDURE

1. The testing follows the guidelines in ANSI C63.4-200
2. The EUT was placed on a turn table which is 0.8m above ground plane.
3. Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0°C to 360°C to acquire the highest emissions from EUT
4. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
5. Repeat above procedures until all frequency measurements have been completed.

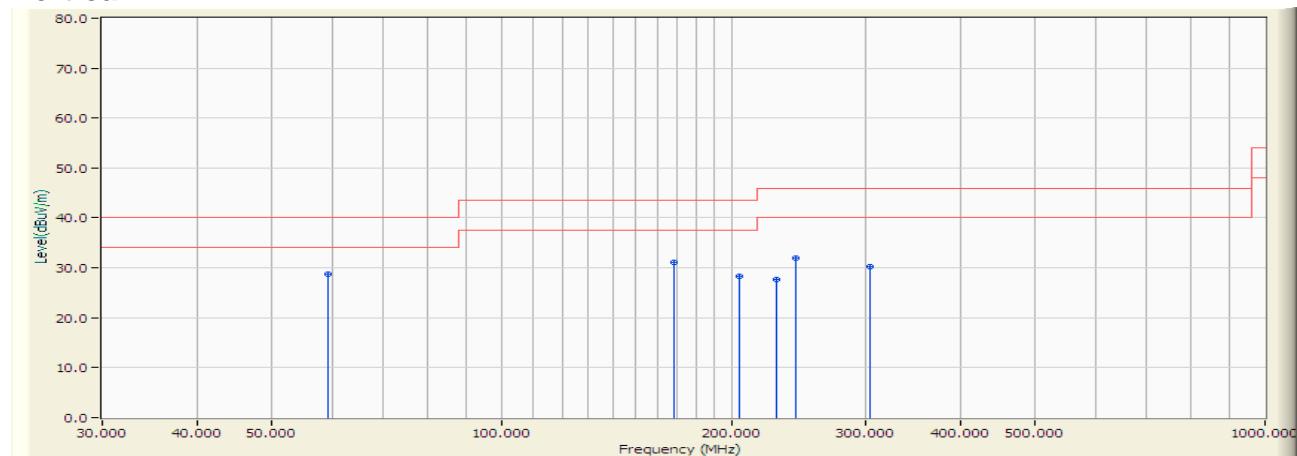
TEST RESULTS

Horizontal:

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|-----------------|---------------------|----------------------|------------------------|-------------|----------------|---------------|
| 1 | | 74.675 | -15.248 | 36.200 | 20.953 | -19.047 | 40.000 | QUASIPEAK |
| 2 | | 118.700 | -9.224 | 36.200 | 26.976 | -16.524 | 43.500 | QUASIPEAK |
| 3 | | 128.475 | -9.119 | 35.600 | 26.481 | -17.019 | 43.500 | QUASIPEAK |
| 4 | * | 136.700 | -9.609 | 42.200 | 32.591 | -10.909 | 43.500 | QUASIPEAK |
| 5 | | 148.800 | -10.553 | 40.300 | 29.747 | -13.753 | 43.500 | QUASIPEAK |
| 6 | | 221.500 | -11.722 | 40.800 | 29.078 | -16.922 | 46.000 | QUASIPEAK |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The IF bandwidth of EMI Test Receiver was 120KHz for measuring from 30 MHz to 1 GHz and 1 MHz for measuring above 1 GHz.

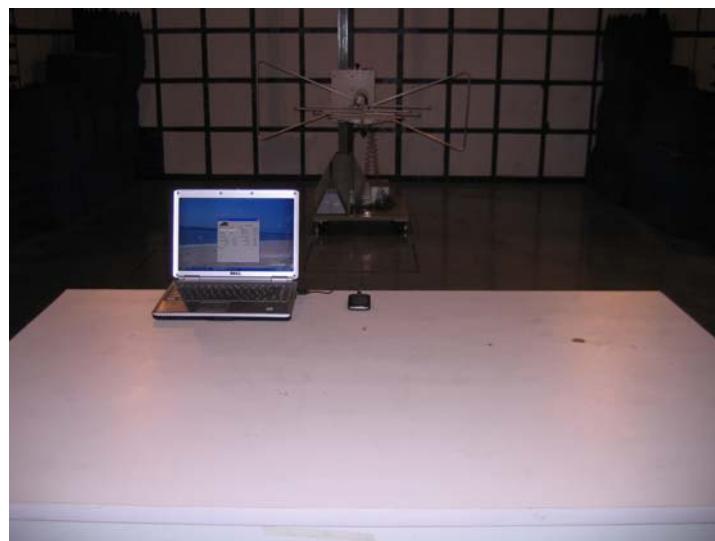
Vertical:

| | | Frequency (MHz) | Correct Factor (dB) | Reading Level (dBuV) | Measure Level (dBuV/m) | Margin (dB) | Limit (dBuV/m) | Detector Type |
|---|---|-----------------|---------------------|----------------------|------------------------|-------------|----------------|---------------|
| 1 | * | 59.200 | -15.923 | 44.600 | 28.677 | -11.323 | 40.000 | QUASIPEAK |
| 2 | * | 168.200 | -11.392 | 42.500 | 31.108 | -12.392 | 43.500 | QUASIPEAK |
| 3 | | 204.600 | -11.714 | 40.000 | 28.286 | -15.214 | 43.500 | QUASIPEAK |
| 4 | | 228.800 | -10.792 | 38.400 | 27.608 | -18.392 | 46.000 | QUASIPEAK |
| 5 | | 243.400 | -8.942 | 40.900 | 31.958 | -14.042 | 46.000 | QUASIPEAK |
| 6 | | 304.000 | -6.678 | 37.000 | 30.322 | -15.678 | 46.000 | QUASIPEAK |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The IF bandwidth of EMI Test Receiver was 120KHz for measuring from 30 MHz to 1 GHz and 1 MHz for measuring above 1 GHz

5. Test Setup Photos of the EUT

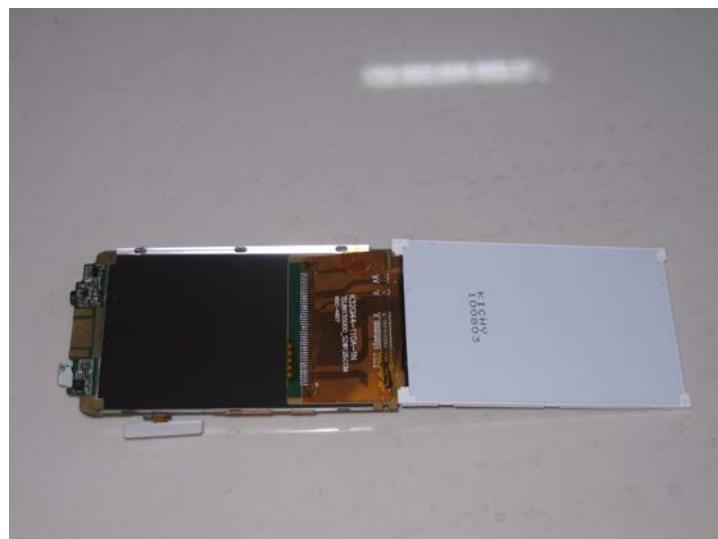


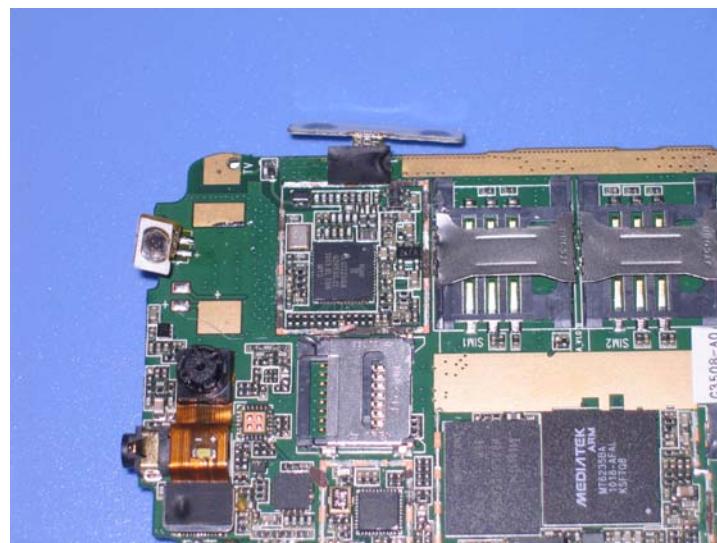
6. External and Internal Photos of the EUT

External Photos



Internal Photos





.....End of Report.....