# VARIANT FCC TEST REPORT (15.407)

| | |
|---|---|
| **REPORT NO.:** | RF130814C33B-4 |
| **MODEL NO.:** | NeverLost® 6 Tablet |
| **FCC ID:** | 2AA4L-HTZNLTABLET |
| **RECEIVED:** | Jun. 09, 2014 |
| **TESTED:** | Jun. 21, 2014 ~ Jun. 22, 2014 |
| **ISSUED:** | Jul. 01, 2014 |

| | |
|---|---|
| **APPLICANT:** | MiTAC International Corp. |
| **ADDRESS:** | Building B, No. 209, Sec. 1, Nan Gang Rd., Nan Gang Dist., Taipei 11568, Taiwan, R.O.C. |

| | |
|---|---|
| **ISSUED BY:** | Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch |
| **LAB ADDRESS:** | No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan, R.O.C. |
| **TEST LOCATION:** | No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C. |

This report should not be used by the client to claim product certification, approval, or endorsement by TAF or any government agencies.

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# RELEASE CONTROL RECORD

| ISSUE NO. | REASON FOR CHANGE | DATE ISSUED |
|---|---|---|
| RF130814C33B-4 | Original release | Jul. 01, 2014 |

# 1. CERTIFICATION

**PRODUCT:** Automotive Navigation Device
**MODEL:** NeverLost® 6 Tablet
**BRAND:** Hertz
**APPLICANT:** MiTAC International Corp.
**TESTED:** Jun. 21, 2014 ~ Jun. 22, 2014
**TEST SAMPLE:** Production Unit
**STANDARDS:** **FCC Part 15, Subpart E (Section 15.407)**
ANSI C63.10-2009

This report is issued as a supplementary report to BV ADT report no.: RF130814C33-4. This report shall be used by combining with its original report.

| | | | |
|---|---|---|---|
| **PREPARED BY** | : Gina Liu / Specialist | **DATE :** | Jul. 01, 2014 |
| **APPROVED BY** | : Sam Chen / Senior Project Engineer | **DATE :** | Jul. 01, 2014 |

# 2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

| APPLIED STANDARD: FCC PART 15, SUBPART E (SECTION 15.407) | | | |
|---|---|---|---|
| **STANDARD SECTION** | **TEST TYPE** | **RESULT** | **REMARK** |
| 15.407(b)(6) | AC Power Conducted Emission | NA | Refer to Note |
| 15.407(b/1/2/3)(b)(6) | Radiated Emissions | PASS | Meet the requirement of limit.<br>Minimum passing margin is -1.56dB at 5150MHz. |
| 15.407(a/1/2) | Max Average Transmit Power | NA | Refer to Note |
| 15.407(a)(6) | Peak Power Excursion | NA | Refer to Note |
| 15.407(a/1/2) | Peak Power Spectral Density | NA | Refer to Note |
| 15.407(g) | Frequency Stability | NA | Refer to Note |
| 15.203 | Antenna Requirement | NA | Refer to Note |

**NOTE:**

1. Only radiated emissions test was performed for this addendum. Refer to original report for other test data.

## 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:

| MEASUREMENT | FREQUENCY | UNCERTAINTY |
|---|---|---|
| Conducted emissions | 9kHz~30MHz | 2.44 dB |
| Radiated emissions | 30MHz ~ 200MHz | 3.34 dB |
| | 200MHz ~1000MHz | 3.35 dB |
| | 1GHz ~ 18GHz | 2.26 dB |
| | 18GHz ~ 40GHz | 1.94 dB |

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

# 3. GENERAL INFORMATION

## 3.1 GENERAL DESCRIPTION OF EUT

| | |
|---|---|
| **EUT** | Automotive Navigation Device |
| **MODEL NO.** | NeverLost® 6 Tablet |
| **POWER SUPPLY** | 3.7Vdc (battery) |
| **MODULATION TYPE** | 64QAM, 16QAM, QPSK, BPSK |
| **MODULATION TECHNOLOGY** | OFDM |
| **TRANSFER RATE** | 802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps<br>802.11n: up to 300.0Mbps |
| **OPERATING FREQUENCY** | 5180 ~ 5240MHz, 5260 ~ 5320MHz & 5500 ~ 5700MHz |
| **NUMBER OF CHANNEL** | 5180 ~ 5240MHz: 4 for 802.11a, 802.11n (20MHz)<br>2 for 802.11n (40MHz)<br>5260 ~ 5320MHz: 4 for 802.11a, 802.11n (20MHz)<br>2 for 802.11n (40MHz)<br>5500 ~ 5700MHz: 8 for 802.11a, 802.11n (20MHz)<br>3 for 802.11n (40MHz) |
| **ANTENNA TYPE** | PIFA antenna with 3.3dBi gain (5180 ~ 5240MHz)<br>PIFA antenna with 3.2dBi gain (5260 ~ 5320MHz)<br>PIFA antenna with 3.9dBi gain (5500 ~ 5700MHz) |
| **ANTENNA CONNECTOR** | NA |
| **DATA CABLE** | Refer to Note as below |
| **I/O PORTS** | Refer to user's manual |
| **ACCESSORY DEVICES** | Refer to Note as below |

**NOTE:**

1. This report is issued as a supplementary report to BV ADT report no.: RF130814C33-4. The difference compared with original report is update Main board. Therefore, only radiated emissions test was performed and presented in the test report.
2. The EUT incorporates a MIMO function. Physically, the EUT provides 2 completed transmitters and 2 receivers.

| MODULATION MODE | TX FUNCTION |
|---|---|
| **802.11b** | 1TX |
| **802.11g** | 1TX |
| **802.11a** | 1TX |
| **802.11n (20MHz)** | 2TX |
| **802.11n (40MHz)** | 2TX |

3. The EUT contains following accessory devices.

| ITEM | BRAND | MODEL | DESCRIPTION |
|---|---|---|---|
| Battery | Tian Yu | N425 | Rating: 3.7Vdc, 920mAh |
| WWAN Module | CINTERION | PHS8-P | -- |
| WLAN Module | nFore | NF3301 | -- |
| NFC Module | Jogtek | TM-007A | -- |
| BT Module | nFore | NF3301 | -- |

4. 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

### FOR 5180 ~ 5240MHz

4 channels are provided for 802.11a, 802.11n (20MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 36 | 5180 MHz | 44 | 5220 MHz |
| 40 | 5200 MHz | 48 | 5240 MHz |

2 channels are provided for 802.11n (40MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 38 | 5190 MHz | 46 | 5230 MHz |

### FOR 5260 ~ 5320MHz

4 channels are provided for 802.11a, 802.11n (20MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 52 | 5260 MHz | 60 | 5300 MHz |
| 56 | 5280 MHz | 64 | 5320 MHz |

2 channels are provided for 802.11n (40MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 54 | 5270 MHz | 62 | 5310 MHz |

### FOR 5500 ~ 5700MHz

8 channels are provided for 802.11a, 802.11n (20MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 100 | 5500 MHz | 116 | 5580 MHz |
| 104 | 5520 MHz | 132 | 5660 MHz |
| 108 | 5540 MHz | 136 | 5680 MHz |
| 112 | 5560 MHz | 140 | 5700 MHz |

3 channels are provided for 802.11n (40MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---|---|---|---|
| 102 | 5510 MHz | 134 | 5670 MHz |
| 110 | 5550 MHz | | |

## 3.2.1 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

| EUT CONFIGURE MODE | APPLICABLE TO | | DESCRIPTION |
|---|---|---|---|
| | RE≥1G | RE<1G | |
| A | √ | - | Chain 0 only |
| B | √ | √ | Chain 0 + Chain 1 |

Where **RE≥1G:** Radiated Emission above 1GHz **RE<1G:** Radiated Emission below 1GHz

**NOTE:**
The antenna of the EUT had been pre-tested on the positioned of each 3 axis. The worst case was found when positioned on **Y-plane.**

**RADIATED EMISSION TEST (ABOVE 1GHz):**

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT CONFIGURE MODE | MODE | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
|---|---|---|---|---|---|---|---|
| A | 802.11a | 5180-5240 | 36 to 48 | 36 | OFDM | BPSK | 6.0 |
| B | 802.11n (40MHz) | | 38 to 46 | 38 | OFDM | BPSK | 15.0 |
| A | 802.11a | 5260-5320 | 52 to 64 | 64 | OFDM | BPSK | 6.0 |
| B | 802.11n (20MHz) | | 52 to 64 | 64 | OFDM | BPSK | 7.2 |
| A | 802.11a | 5500-5700 | 100 to 140 | 100 | OFDM | BPSK | 6.0 |
| B | 802.11n (40MHz) | | 102 to 134 | 102 | OFDM | BPSK | 15.0 |

**RADIATED EMISSION TEST (BELOW 1GHz):**

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT CONFIGURE MODE | MODE | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION TECHNOLOGY | MODULATION TYPE | DATA RATE (Mbps) |
|---|---|---|---|---|---|---|---|
| B | 802.11n (40MHz) | 5180-5240 | 38 to 46 | 38 | OFDM | BPSK | 15.0 |
| | 802.11n (20MHz) | 5260-5320 | 52 to 64 | 64 | OFDM | BPSK | 7.2 |
| | 802.11n (40MHz) | 5500-5700 | 102 to 134 | 102 | OFDM | BPSK | 15.0 |

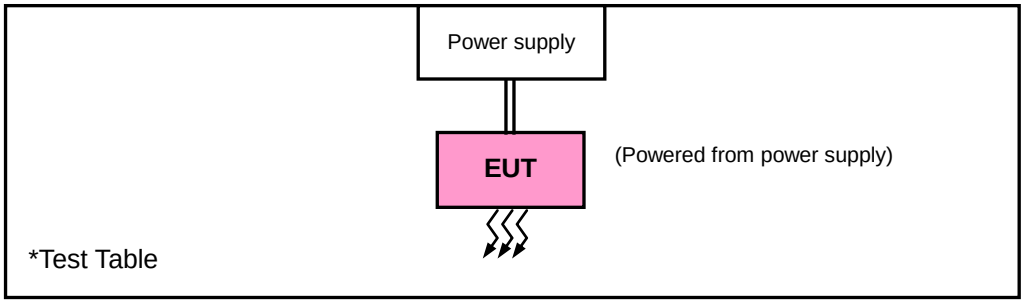
**TEST CONDITION:**

| APPLICABLE TO | ENVIRONMENTAL CONDITIONS | INPUT POWER (SYSTEM) | TESTED BY |
|---|---|---|---|
| RE≥1G | 25deg. C, 65%RH | 120Vac, 60Hz | Peter Weng, Anson Lin |
| RE<1G | 25deg. C, 65%RH | 120Vac, 60Hz | Peter Weng |

## 3.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units.

### 3.3.1 CONFIGURATION OF SYSTEM UNDER TEST




## 3.4 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

**FCC Part 15, Subpart E (15.407)**
**789033 D01 General UNII Test Procedures v01 r03**
**662911 D01 Multiple Transmitter Output v02**
ANSI C63.10-2009

All test items have been performed and recorded as per the above standards.

**NOTE:** The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

# 4. TEST TYPES AND RESULTS

## 4.1 RADIATED EMISSION AND BANDEDGE MEASUREMENT

### 4.1.1 LIMITS OF RADIATED EMISSION AND BANDEDGE MEASUREMENT

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

| FREQUENCIES (MHz) | FIELD STRENGTH (microvolts/meter) | MEASUREMENT DISTANCE (meters) |
|---|---|---|
| 0.009 ~ 0.490 | 2400/F(kHz) | 300 |
| 0.490 ~ 1.705 | 24000/F(kHz) | 30 |
| 1.705 ~ 30.0 | 30 | 30 |
| 30 ~ 88 | 100 | 3 |
| 88 ~ 216 | 150 | 3 |
| 216 ~ 960 | 200 | 3 |
| Above 960 | 500 | 3 |

**NOTE**:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. 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.

### 4.1.2 LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

| APPLICABLE TO | LIMIT | |
|---|---|---|
| | FIELD STRENGTH AT 3m (dBµV/m) | |
| | PK | AV |
| | 74 | 54 |
| | EIRP LIMIT (dBm) | EQUIVALENT FIELD STRENGTH AT 3m (dBµV/m) |
| √ | PK | PK |
| | -27 | 68.3 |

**NOTE:** The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3}$$ µV/m, where P is the eirp (Watts).

## 4.1.3 TEST INSTRUMENTS

| DESCRIPTION & MANUFACTURER | MODEL NO. | SERIAL NO. | DATE OF CALIBRATION | DUE DATE OF CALIBRATION |
|---|---|---|---|---|
| Test Receiver<br>ROHDE & SCHWARZ | ESCI | 100424 | Sep. 09, 2013 | Sep. 08, 2014 |
| Spectrum Analyzer<br>ROHDE & SCHWARZ | FSU 43 | 100115 | Dec. 18, 2013 | Dec. 17, 2014 |
| BILOG Antenna<br>SCHWARZBECK | VULB9168 | 9168-155 | Feb. 26, 2014 | Feb. 25, 2015 |
| HORN Antenna<br>SCHWARZBECK | BBHA 9120D | 9120D-404 | Jan. 05, 2014 | Jan. 04, 2015 |
| HORN Antenna<br>SCHWARZBECK | BBHA 9170 | 148 | Jul. 15, 2013 | Jul. 14, 2014 |
| Loop Antenna | HFH2-Z2 | 100070 | Mar. 06, 2014 | Mar. 05, 2016 |
| Preamplifier<br>EMCI | EMC 012645 | 980115 | Dec. 26, 2013 | Dec. 25, 2014 |
| Preamplifier<br>EMCI | EMC 184045 | 980116 | Jan. 13, 2014 | Jan. 12, 2015 |
| Preamplifier<br>EMCI | EMC 330H | 980112 | Dec. 27, 2013 | Dec. 26, 2014 |
| RF signal cable<br>HUBER+SUHNNER | SUCOFLEX 104 | 309219/4<br>2950114 | Oct. 18, 2013 | Oct. 17, 2014 |
| RF signal cable<br>HUBER+SUHNNER | SUCOFLEX 104 | 250130/4 | Oct. 18, 2013 | Oct. 17, 2014 |
| RF signal cable<br>Worken | RG-213 | NA | Nov. 07, 2013 | Nov. 06, 2014 |
| Software<br>BV ADT | E3<br>6.120103 | NA | NA | NA |
| Antenna Tower<br>MF | MFA-440H | NA | NA | NA |
| Turn Table<br>MF | MFT-201SS | NA | NA | NA |
| Antenna Tower &Turn Table Controller<br>MF | MF-7802 | NA | NA | NA |
| Power Meter | ML2495A | 1012010 | Jul. 31, 2013 | Jul. 30, 2014 |
| Power Sensor | MA2411B | 1315050 | Jul. 31, 2013 | Jul. 30, 2014 |

**NOTE:** 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 calibration interval of the loop antenna is 24 months and the calibrations are traceable to NML/ROC and NIST/USA.
3. The test was performed in HwaYa Chamber 10.
4. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.
5. The FCC Site Registration No. is 690701.
6. The IC Site Registration No. is IC 7450F-10.

### 4.1.4 TEST PROCEDURES

a. 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.

b. 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. The antenna is a broadband antenna, and its 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.

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 Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. 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.

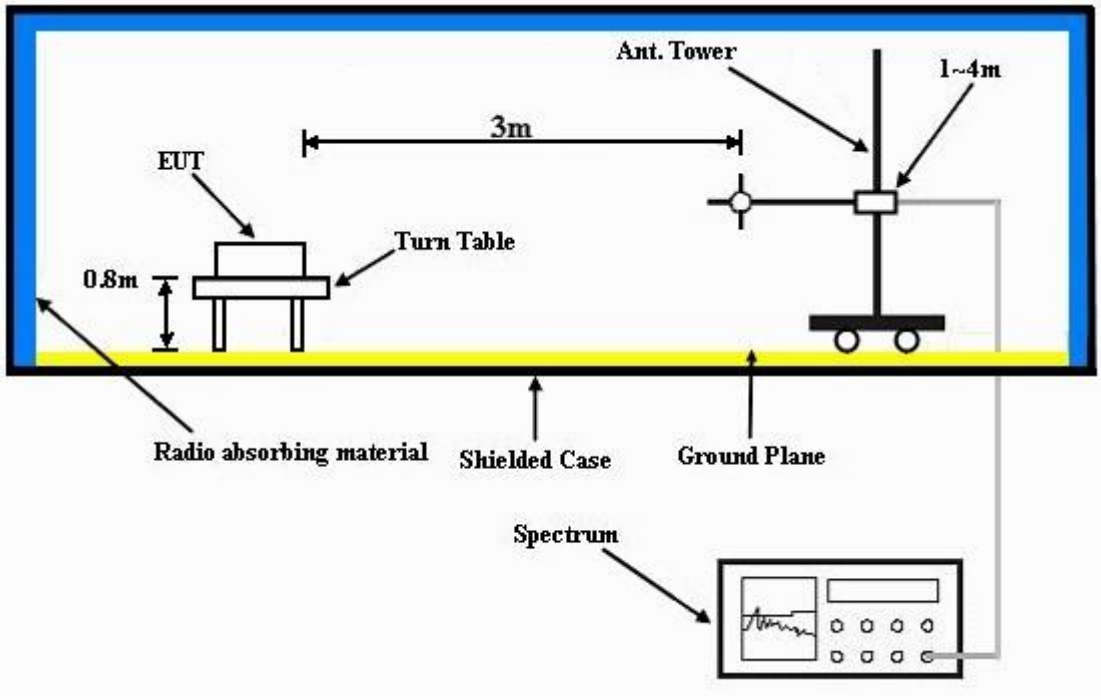
**NOTE:**

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 1kHz(Duty cycle < 98%) or 10Hz(Duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

### 4.1.5 DEVIATION FROM TEST STANDARD

No deviation.

### 4.1.6 TEST SETUP




For the actual test configuration, please refer to the attached file (Test Setup Photo).

### 4.1.7 EUT OPERATING CONDITION

a. Plugged the EUT into a notebook through a convertible board and placed on a test table.
b. The notebook ran a test program (provided by manufacturer) to enable EUT under transmission condition continuously at specific channel frequency.

## 4.1.8 TEST RESULTS

**ABOVE 1GHz DATA：**

**MODE A**

**802.11a**

| EUT TEST CONDITION | | MEASUREMENT DETAIL | |
|---|---|---|---|
| **CHANNEL** | Channel 36 | **FREQUENCY RANGE** | 1GHz ~ 40GHz |
| **INPUT POWER (SYSTEM)** | 120Vac, 60 Hz | **DETECTOR FUNCTION** | Peak (PK)<br>Average (AV) |
| **ENVIRONMENTAL CONDITIONS** | 25deg. C, 65%RH | **TESTED BY** | Peter Weng |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **FREQ. (MHz)** | **EMISSION LEVEL (dBuV/m)** | **READ LEVEL (dBuV)** | **LIMIT (dBuV/m)** | **MARGIN (dB)** | **ANTENNA FACTOR (dB/m)** | **CABLE LOSS (dB)** | **PREAMP FACTOR (dB)** | **ANTENNA HEIGHT (cm)** | **TABLE ANGLE (Degree)** | **REMARK** |
| 5150 | 49.62 | 50.33 | 54 | -4.38 | 31.32 | 5.29 | 37.32 | 133 | 252 | Average |
| 5150 | 67.22 | 67.93 | 74 | -6.78 | 31.32 | 5.29 | 37.32 | 133 | 252 | Peak |
| 5180 | 95.87 | 96.55 | | | 31.35 | 5.31 | 37.34 | 133 | 252 | Average |
| 5180 | 105.12 | 105.8 | | | 31.35 | 5.31 | 37.34 | 133 | 252 | Peak |
| 5350 | 39.38 | 39.69 | 54 | -14.62 | 31.48 | 5.39 | 37.18 | 133 | 252 | Average |
| 5350 | 58.12 | 58.43 | 74 | -15.88 | 31.48 | 5.39 | 37.18 | 133 | 252 | Peak |
| **ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M** | | | | | | | | | | |
| **FREQ. (MHz)** | **EMISSION LEVEL (dBuV/m)** | **READ LEVEL (dBuV)** | **LIMIT (dBuV/m)** | **MARGIN (dB)** | **ANTENNA FACTOR (dB/m)** | **CABLE LOSS (dB)** | **PREAMP FACTOR (dB)** | **ANTENNA HEIGHT (cm)** | **TABLE ANGLE (Degree)** | **REMARK** |
| 5150 | 51.93 | 52.64 | 54 | -2.07 | 31.32 | 5.29 | 37.32 | 100 | 208 | Average |
| 5150 | 69.52 | 70.23 | 74 | -4.48 | 31.32 | 5.29 | 37.32 | 100 | 208 | Peak |
| 5180 | 98.62 | 99.3 | | | 31.35 | 5.31 | 37.34 | 100 | 208 | Average |
| 5180 | 108.47 | 109.15 | | | 31.35 | 5.31 | 37.34 | 100 | 208 | Peak |
| 5350 | 39.08 | 39.39 | 54 | -14.92 | 31.48 | 5.39 | 37.18 | 100 | 208 | Average |
| 5350 | 56.72 | 57.03 | 74 | -17.28 | 31.48 | 5.39 | 37.18 | 100 | 208 | Peak |

**REMARKS:**

1. Emission Level = Read Level + Antenna Factor + Cable Loss - Preamp Factor
   Margin Value = Emission Level - Limit Value
2. 5180MHz: Fundamental frequency.

| EUT TEST CONDITION | | MEASUREMENT DETAIL | |
|---|---|---|---|
| CHANNEL | Channel 64 | FREQUENCY RANGE | 1GHz ~ 40GHz |
| INPUT POWER (SYSTEM) | 120Vac, 60 Hz | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
| ENVIRONMENTAL CONDITIONS | 25deg. C, 65%RH | TESTED BY | Peter Weng |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB/m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 5150 | 37.36 | 38.07 | 54 | -16.64 | 31.32 | 5.29 | 37.32 | 100 | 28 | Average |
| 5150 | 57.29 | 58 | 74 | -16.71 | 31.32 | 5.29 | 37.32 | 100 | 28 | Peak |
| 5320 | 95.68 | 96.04 | | | 31.45 | 5.38 | 37.19 | 100 | 28 | Average |
| 5320 | 104.64 | 105 | | | 31.45 | 5.38 | 37.19 | 100 | 28 | Peak |
| 5350 | 40.41 | 40.72 | 54 | -13.59 | 31.48 | 5.39 | 37.18 | 100 | 28 | Average |
| 5350 | 61.42 | 61.73 | 74 | -12.58 | 31.48 | 5.39 | 37.18 | 100 | 28 | Peak |
| **ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M** | | | | | | | | | | |
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB/m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 5150 | 37.5 | 38.21 | 54 | -16.5 | 31.32 | 5.29 | 37.32 | 113 | 68 | Average |
| 5150 | 56.88 | 57.59 | 74 | -17.12 | 31.32 | 5.29 | 37.32 | 113 | 68 | Peak |
| 5320 | 94.04 | 94.4 | | | 31.45 | 5.38 | 37.19 | 113 | 68 | Average |
| 5320 | 103.24 | 103.6 | | | 31.45 | 5.38 | 37.19 | 113 | 68 | Peak |
| 5350 | 45.82 | 46.13 | 54 | -8.18 | 31.48 | 5.39 | 37.18 | 113 | 68 | Average |
| 5350 | 58.7 | 59.01 | 74 | -15.3 | 31.48 | 5.39 | 37.18 | 113 | 68 | Peak |

**REMARKS:**

3. Emission Level = Read Level + Antenna Factor + Cable Loss - Preamp Factor
   Margin Value = Emission Level - Limit Value
4. 5320MHz: Fundamental frequency.

| EUT TEST CONDITION | | MEASUREMENT DETAIL | |
|---|---|---|---|
| CHANNEL | Channel 100 | FREQUENCY RANGE | 1GHz ~ 40GHz |
| INPUT POWER (SYSTEM) | 120Vac, 60 Hz | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
| ENVIRONMENTAL CONDITIONS | 25deg. C, 65%RH | TESTED BY | Peter Weng |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB/m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 5460 | 39.01 | 39.09 | 54 | -14.99 | 31.56 | 5.44 | 37.08 | 100 | 177 | Average |
| 5460 | 58.53 | 58.61 | 74 | -15.47 | 31.56 | 5.44 | 37.08 | 100 | 177 | Peak |
| 5470 | 59.23 | 59.29 | 68.3 | -9.07 | -9.07 | 5.45 | 37.08 | 100 | 177 | Peak |
| 5500 | 91.59 | 91.56 | | | 31.6 | 5.46 | 37.03 | 100 | 177 | Average |
| 5500 | 100.93 | 100.9 | | | 31.6 | 5.46 | 37.03 | 100 | 177 | Peak |
| 5725 | 60.13 | 60.01 | 68.3 | -8.17 | -8.17 | 5.59 | 37.43 | 100 | 177 | Peak |
| **ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M** | | | | | | | | | | |
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB/m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 5460 | 46.17 | 46.25 | 54 | -7.83 | 31.56 | 5.44 | 37.08 | 100 | 234 | Average |
| 5460 | 62.23 | 62.31 | 74 | -11.77 | -11.77 | 5.44 | 37.08 | 100 | 234 | Peak |
| 5470 | 61.57 | 61.63 | 68.3 | -6.73 | 31.57 | 5.45 | 37.08 | 100 | 234 | Peak |
| 5500 | 96.53 | 96.5 | | | 31.6 | 5.46 | 37.03 | 100 | 234 | Average |
| 5500 | 105.56 | 105.53 | | | 31.6 | 5.46 | 37.03 | 100 | 234 | Peak |
| 5725 | 58.03 | 57.91 | 68.3 | -10.27 | -10.27 | 5.59 | 37.43 | 100 | 234 | Peak |

**REMARKS:**

5. Emission Level = Read Level + Antenna Factor + Cable Loss - Preamp Factor
   Margin Value = Emission Level - Limit Value
6. 5500MHz: Fundamental frequency.

## MODE B

### 802.11n (40MHz)

| EUT TEST CONDITION | | MEASUREMENT DETAIL | |
|---|---|---|---|
| CHANNEL | Channel 38 | FREQUENCY RANGE | 1GHz ~ 40GHz |
| INPUT POWER (SYSTEM) | 120Vac, 60 Hz | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
| ENVIRONMENTAL CONDITIONS | 25deg. C, 65%RH | TESTED BY | Anson Lin |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB/m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 5146 | 49.87 | 50.58 | 54 | -4.13 | 31.32 | 5.29 | 37.32 | 100 | 118 | Average |
| 5146 | 66.55 | 67.26 | 74 | -7.45 | 31.32 | 5.29 | 37.32 | 100 | 118 | Peak |
| 5190 | 89.81 | 90.48 | | | 31.35 | 5.32 | 37.34 | 100 | 118 | Average |
| 5190 | 100.8 | 101.47 | | | 31.35 | 5.32 | 37.34 | 100 | 118 | Peak |
| 5456 | 38.27 | 38.35 | 54 | -15.73 | 31.56 | 5.44 | 37.08 | 100 | 118 | Average |
| 5456 | 59.94 | 60.02 | 74 | -14.06 | 31.56 | 5.44 | 37.08 | 100 | 118 | Peak |
| **ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M** | | | | | | | | | | |
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB/m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 5150 | 52.44 | 53.15 | 54 | -1.56 | 31.32 | 5.29 | 37.32 | 100 | 207 | Average |
| 5150 | 69.99 | 70.7 | 74 | -4.01 | 31.32 | 5.29 | 37.32 | 100 | 207 | Peak |
| 5190 | 95.21 | 95.88 | | | 31.35 | 5.32 | 37.34 | 100 | 207 | Average |
| 5190 | 104.54 | 105.21 | | | 31.35 | 5.32 | 37.34 | 100 | 207 | Peak |
| 5442 | 38.25 | 38.39 | 54 | -15.75 | 31.55 | 5.44 | 37.13 | 100 | 207 | Average |
| 5442 | 59.44 | 59.58 | 74 | -14.56 | 31.55 | 5.44 | 37.13 | 100 | 207 | Peak |

**REMARKS:**

1. Emission Level = Read Level + Antenna Factor + Cable Loss - Preamp Factor
   Margin Value = Emission Level - Limit Value
2. 5190MHz: Fundamental frequency.

## 802.11n (20MHz)

| EUT TEST CONDITION | | MEASUREMENT DETAIL | |
|---|---|---|---|
| CHANNEL | Channel 64 | FREQUENCY RANGE | 1GHz ~ 40GHz |
| INPUT POWER (SYSTEM) | 120Vac, 60 Hz | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
| ENVIRONMENTAL CONDITIONS | 25deg. C, 65%RH | TESTED BY | Anson Lin |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB/m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 5076 | 38.47 | 39.21 | 54 | -15.53 | 31.27 | 5.26 | 37.27 | 103 | 204 | Average |
| 5076 | 59.73 | 60.47 | 74 | -14.27 | 31.27 | 5.26 | 37.27 | 103 | 204 | Peak |
| 5320 | 97.36 | 97.72 | | | 31.45 | 5.38 | 37.19 | 103 | 204 | Average |
| 5320 | 107.06 | 107.42 | | | 31.45 | 5.38 | 37.19 | 103 | 204 | Peak |
| 5350 | 50.9 | 51.21 | 54 | -3.1 | 31.48 | 5.39 | 37.18 | 103 | 204 | Average |
| 5350 | 70.15 | 70.46 | 74 | -3.85 | 31.48 | 5.39 | 37.18 | 103 | 204 | Peak |
| **ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M** | | | | | | | | | | |
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB/m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 5024 | 37.69 | 38.46 | 54 | -16.31 | 31.23 | 5.24 | 37.24 | 121 | 22 | Average |
| 5024 | 60.12 | 60.89 | 74 | -13.88 | 31.23 | 5.24 | 37.24 | 121 | 22 | Peak |
| 5320 | 94.64 | 95 | | | 31.45 | 5.38 | 37.19 | 121 | 22 | Average |
| 5320 | 104.43 | 104.79 | | | 31.45 | 5.38 | 37.19 | 121 | 22 | Peak |
| 5350 | 45.4 | 45.71 | 54 | -8.6 | 31.48 | 5.39 | 37.18 | 121 | 22 | Average |
| 5350 | 61.35 | 61.66 | 74 | -12.65 | 31.48 | 5.39 | 37.18 | 121 | 22 | Peak |

**REMARKS:**

1. Emission Level = Read Level + Antenna Factor + Cable Loss - Preamp Factor
   Margin Value = Emission Level - Limit Value
2. 5320MHz: Fundamental frequency.

## 802.11n (40MHz)

| EUT TEST CONDITION | | MEASUREMENT DETAIL | |
|---|---|---|---|
| CHANNEL | Channel 102 | FREQUENCY RANGE | 1GHz ~ 40GHz |
| INPUT POWER (SYSTEM) | 120Vac, 60 Hz | DETECTOR FUNCTION | Peak (PK)<br>Average (AV) |
| ENVIRONMENTAL CONDITIONS | 25deg. C, 65%RH | TESTED BY | Peter Weng |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB/m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 5460 | 50.26 | 50.34 | 54 | -3.74 | 31.56 | 5.44 | 37.08 | 119 | 130 | Average |
| 5460 | 65.38 | 65.46 | 74 | -8.62 | 31.56 | 5.44 | 37.08 | 119 | 130 | Peak |
| 5470 | 66.47 | 66.53 | 68.3 | -1.83 | 31.57 | 5.45 | 37.08 | 119 | 130 | Peak |
| 5510 | 91.01 | 91.01 | | | 31.6 | 5.46 | 37.06 | 119 | 130 | Average |
| 5510 | 101.19 | 101.19 | | | 31.6 | 5.46 | 37.06 | 119 | 130 | Peak |
| 5725 | 60.12 | 60 | 68.3 | -8.18 | 31.96 | 5.59 | 37.43 | 119 | 130 | Peak |
| **ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M** | | | | | | | | | | |
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB/m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 5460 | 50.52 | 50.6 | 54 | -3.48 | 31.56 | 5.44 | 37.08 | 124 | 234 | Average |
| 5460 | 65.24 | 65.32 | 74 | -8.76 | 31.56 | 5.44 | 37.08 | 124 | 234 | Peak |
| 5470 | 66.23 | 66.29 | 68.3 | -2.07 | 31.57 | 5.45 | 37.08 | 124 | 234 | Peak |
| 5510 | 93.76 | 93.76 | | | 31.6 | 5.46 | 37.06 | 124 | 234 | Average |
| 5510 | 103.81 | 103.81 | | | 31.6 | 5.46 | 37.06 | 124 | 234 | Peak |
| 5725 | 57.72 | 57.6 | 68.3 | -10.58 | 31.96 | 5.59 | 37.43 | 124 | 234 | Peak |

**REMARKS:**

1. Emission Level = Read Level + Antenna Factor + Cable Loss - Preamp Factor
   Margin Value = Emission Level - Limit Value
2. 5190MHz: Fundamental frequency.
3. 5470MHz & 5725MHz: Out of restricted band

## BELOW 1GHz WORST-CASE DATA：

### MODE B

### 802.11n (40MHz)

| EUT TEST CONDITION | | MEASUREMENT DETAIL | |
|---|---|---|---|
| CHANNEL | Channel 38 | FREQUENCY RANGE | 30MHz ~ 1GHz |
| INPUT POWER (SYSTEM) | 120Vac, 60 Hz | DETECTOR FUNCTION | Peak (PK)<br>Quasi-Peak (QP) |
| ENVIRONMENTAL CONDITIONS | 25deg. C, 65%RH | TESTED BY | Peter Weng |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB/m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 43.5 | 17.08 | 33.89 | 40 | -22.92 | 13.59 | 0.71 | 31.11 | 117 | 196 | Peak |
| 143.13 | 18.85 | 36.7 | 43.5 | -24.65 | 12.47 | 1.31 | 31.63 | 100 | 65 | Peak |
| 264.09 | 27.27 | 45.43 | 46 | -18.73 | 11.88 | 1.88 | 31.92 | 105 | 18 | Peak |
| 330.1 | 30.09 | 46.08 | 46 | -15.91 | 13.66 | 2.16 | 31.81 | 137 | 318 | Peak |
| 559 | 22.45 | 32.87 | 46 | -23.55 | 18.66 | 2.97 | 32.05 | 100 | 109 | Peak |
| 744.5 | 26.36 | 32.74 | 46 | -19.64 | 21.45 | 3.56 | 31.39 | 100 | 312 | Peak |
| **ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M** | | | | | | | | | | |
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB/m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 30.81 | 27.94 | 46.35 | 40 | -12.06 | 12.14 | 0.57 | 31.12 | 100 | 331 | Peak |
| 153.93 | 18.59 | 36.23 | 43.5 | -24.91 | 12.72 | 1.36 | 31.72 | 100 | 287 | Peak |
| 241.95 | 22.87 | 41.74 | 46 | -23.13 | 11.15 | 1.8 | 31.82 | 104 | 256 | Peak |
| 330.1 | 22.13 | 38.12 | 46 | -23.87 | 13.66 | 2.16 | 31.81 | 102 | 86 | Peak |
| 461.7 | 29.41 | 42.17 | 46 | -16.59 | 16.56 | 2.65 | 31.97 | 111 | 10 | Peak |
| 659.8 | 26.88 | 35.22 | 46 | -19.12 | 20.33 | 3.28 | 31.95 | 118 | 189 | Peak |

**REMARKS:**

1. Emission Level = Read Level + Antenna Factor + Cable Loss - Preamp Factor
   Margin Value = Emission Level - Limit Value

## 802.11n (20MHz)

| EUT TEST CONDITION | | MEASUREMENT DETAIL | |
|---|---|---|---|
| CHANNEL | Channel 64 | FREQUENCY RANGE | 30MHz ~ 1GHz |
| INPUT POWER (SYSTEM) | 120Vac, 60 Hz | DETECTOR FUNCTION | Peak (PK)<br>Quasi-Peak (QP) |
| ENVIRONMENTAL CONDITIONS | 25deg. C, 65%RH | TESTED BY | Peter Weng |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB/m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 44.85 | 17.72 | 34.53 | 40 | -22.28 | 13.6 | 0.73 | 31.14 | 105 | 304 | Peak |
| 143.13 | 21.39 | 39.24 | 43.5 | -22.11 | 12.47 | 1.31 | 31.63 | 114 | 12 | Peak |
| 264.09 | 26.02 | 44.18 | 46 | -19.98 | 11.88 | 1.88 | 31.92 | 100 | 337 | Peak |
| 330.1 | 30.63 | 46.62 | 46 | -15.37 | 13.66 | 2.16 | 31.81 | 100 | 170 | Peak |
| 572.3 | 23.92 | 34.03 | 46 | -22.08 | 18.97 | 3.01 | 32.09 | 104 | 149 | Peak |
| 722.1 | 26.45 | 33.46 | 46 | -19.55 | 21.13 | 3.5 | 31.64 | 100 | 346 | Peak |
| **ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M** | | | | | | | | | | |
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB/m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 30.81 | 27.97 | 46.38 | 40 | -12.03 | 12.14 | 0.57 | 31.12 | 100 | 197 | Peak |
| 153.93 | 17.97 | 35.61 | 43.5 | -25.53 | 12.72 | 1.36 | 31.72 | 122 | 174 | Peak |
| 241.95 | 23.07 | 41.94 | 46 | -22.93 | 11.15 | 1.8 | 31.82 | 100 | 77 | Peak |
| 461.7 | 28.99 | 41.75 | 46 | -17.01 | 16.56 | 2.65 | 31.97 | 106 | 89 | Peak |
| 549.9 | 28.07 | 38.61 | 46 | -17.93 | 18.46 | 2.95 | 31.95 | 100 | 41 | Peak |
| 783.7 | 27.9 | 33.67 | 46 | -18.1 | 22 | 3.65 | 31.42 | 137 | 110 | Peak |

**REMARKS:**

2. Emission Level = Read Level + Antenna Factor + Cable Loss - Preamp Factor
   Margin Value = Emission Level - Limit Value

## 802.11n (40MHz)

| EUT TEST CONDITION | | MEASUREMENT DETAIL | |
|---|---|---|---|
| CHANNEL | Channel 102 | FREQUENCY RANGE | 30MHz ~ 1GHz |
| INPUT POWER (SYSTEM) | 120Vac, 60 Hz | DETECTOR FUNCTION | Peak (PK)<br>Quasi-Peak (QP) |
| ENVIRONMENTAL CONDITIONS | 25deg. C, 65%RH | TESTED BY | Peter Weng |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB/m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 37.83 | 17.06 | 34.21 | 40 | -22.94 | 13.24 | 0.63 | 31.02 | 113 | 139 | Peak |
| 165 | 19.29 | 37.43 | 43.5 | -24.21 | 12.25 | 1.42 | 31.81 | 124 | 239 | Peak |
| 264.09 | 26 | 44.16 | 46 | -20 | 11.88 | 1.88 | 31.92 | 100 | 113 | Peak |
| 330.1 | 31.3 | 47.29 | 46 | -14.7 | 13.66 | 2.16 | 31.81 | 129 | 158 | Peak |
| 505.8 | 22.73 | 34.07 | 46 | -23.27 | 17.46 | 2.8 | 31.6 | 100 | 284 | Peak |
| 671.7 | 25.17 | 33.18 | 46 | -20.83 | 20.48 | 3.33 | 31.82 | 166 | 300 | Peak |
| **ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M** | | | | | | | | | | |
| FREQ. (MHz) | EMISSION LEVEL (dBuV/m) | READ LEVEL (dBuV) | LIMIT (dBuV/m) | MARGIN (dB) | ANTENNA FACTOR (dB/m) | CABLE LOSS (dB) | PREAMP FACTOR (dB) | ANTENNA HEIGHT (cm) | TABLE ANGLE (Degree) | REMARK |
| 30.81 | 27.84 | 46.25 | 40 | -12.16 | 12.14 | 0.57 | 31.12 | 100 | 121 | Peak |
| 153.93 | 18.61 | 36.25 | 43.5 | -24.89 | 12.72 | 1.36 | 31.72 | 100 | 331 | Peak |
| 241.95 | 23.95 | 42.82 | 46 | -22.05 | 11.15 | 1.8 | 31.82 | 101 | 144 | Peak |
| 374.2 | 22.14 | 37.02 | 46 | -23.86 | 14.73 | 2.32 | 31.93 | 111 | 232 | Peak |
| 461.7 | 29.56 | 42.32 | 46 | -16.44 | 16.56 | 2.65 | 31.97 | 113 | 133 | Peak |
| 572.3 | 27 | 37.11 | 46 | -19 | 18.97 | 3.01 | 32.09 | 110 | 106 | Peak |

**REMARKS:**

3. Emission Level = Read Level + Antenna Factor + Cable Loss - Preamp Factor
   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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Tel: 886-2-26052180
Fax: 886-2-26051924

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

# 7. APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

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

**---END---**