# FCC TEST REPORT

# (PART 24)

| | |
|---|---|
| **REPORT NO.:** | RF150324C22-1 |
| **MODEL NAME:** | 0PM9400 |
| **FCC ID:** | NM80PM9400 |
| **RECEIVED:** | Mar. 24, 2015 |
| **TESTED:** | Apr. 17, 2015 ~ May 01, 2015 |
| **ISSUED:** | May 19, 2015 |

| | |
|---|---|
| **APPLICANT:** | HTC Corporation |
| **ADDRESS:** | 1F, 6-3 Baoqiang Road, Xindian District, New Taipei City, Taiwan 231 |

| | |
|---|---|
| **ISSUED BY:** | Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch |
| **LAB ADDRESS:** | No. 47-2, 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 Vil., Kwei Shan Dist., Taoyuan City 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 |
|---|---|---|
| RF150324C22-1 | Original release | May 19, 2015 |

# 1 CERTIFICATION

| | |
|---|---|
| **PRODUCT:** | Smartphone |
| **MODEL:** | 0PM9400 |
| **BRAND:** | HTC |
| **APPLICANT:** | HTC Corporation |
| **TESTED:** | Apr. 17, 2015 ~ May 01, 2015 |
| **TEST SAMPLE:** | Production Unit |
| **STANDARDS:** | **FCC Part 24, Subpart E** |

The above equipment (model: 0PM9400) 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 :** May 19, 2015

Ivonne Wu / Supervisor

**APPROVED BY** : _____ **, DATE :** May 19, 2015

Sam Chen / Senior Project Engineer

# 2 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

| APPLIED STANDARD: FCC Part 24 & Part 2 | | | |
|---|---|---|---|
| **STANDARD SECTION** | **TEST TYPE** | **RESULT** | **REMARK** |
| 2.1046<br>24.232 | Equivalent Isotropic Radiated Power | PASS | Meet the requirement of limit. |
| 2.1055<br>24.235 | Frequency Stability | PASS | Meet the requirement of limit. |
| 2.1049<br>24.238(b) | Occupied Bandwidth | PASS | Meet the requirement of limit. |
| 24.232(d) | Peak to average ratio | PASS | Meet the requirement of limit. |
| 24.238(b) | Band Edge Measurements | PASS | Meet the requirement of limit. |
| 2.1051<br>24.238 | Conducted Spurious Emissions | PASS | Meet the requirement of limit. |
| 2.1053<br>24.238 | Radiated Spurious Emissions | PASS | Meet the requirement of limit.<br>Minimum passing margin is -22.07dB at 5640.00MHz. |

## 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 | 2.93 dB |
| | 200MHz ~1000MHz | 2.95 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.

## 2.2 TEST SITE AND INSTRUMENTS

| DESCRIPTION & MANUFACTURER | MODEL NO. | SERIAL NO. | DATE OF CALIBRATION | DUE DATE OF CALIBRATION |
|---|---|---|---|---|
| Test Receiver Agilent | N9038A | MY51210203 | Jan. 21, 2015 | Jan. 21, 2016 |
| Spectrum Analyzer Agilent | N9010A | MY52220314 | Sep. 03, 2014 | Sep. 02, 2015 |
| Spectrum Analyzer ROHDE & SCHWARZ | FSU43 | 101261 | Dec. 10, 2014 | Dec. 09, 2015 |
| BILOG Antenna SCHWARZBECK | VULB9168 | 9168-472 | Feb. 04, 2015 | Feb. 04, 2016 |
| HORN Antenna SCHWARZBECK | BBHA 9120 D | 9120D-969 | Feb. 09, 2015 | Feb. 09, 2016 |
| HORN Antenna SCHWARZBECK | BBHA 9170 | 9170-480 | Feb. 04, 2015 | Feb. 04, 2016 |
| Preamplifier EMCI | EMC 012645 | 980115 | Dec. 12, 2014 | Dec. 11, 2015 |
| Preamplifier EMCI | EMC 184045 | 980116 | Jan. 09, 2015 | Jan. 08, 2016 |
| Preamplifier EMCI | EMC 330H | 980112 | Dec. 27, 2014 | Dec. 26, 2015 |
| Power Meter Anritsu | ML2495A | 1232002 | Sep. 17, 2014 | Sep. 16, 2015 |
| Power Sensor Anritsu | MA2411B | 1207325 | Sep. 17, 2014 | Sep. 16, 2015 |
| RF signal cable HUBER+SUHNNER | SUCOFLEX 104 | 309219/4 2950114 | Oct. 18, 2014 | Oct. 17, 2015 |
| RF signal cable HUBER+SUHNNER | SUCOFLEX 104 | 250130/4 | Oct. 18, 2014 | Oct. 17, 2015 |
| RF Coaxial Cable Worken | 8D-FB | Cable-Ch10-01 | Nov. 07, 2014 | Nov. 06, 2015 |
| Software BV ADT | E3 6.120103 | NA | NA | NA |
| Antenna Tower MF | MFA-440H | NA | NA | NA |
| Turn Table MF | MFT-201SS | NA | NA | NA |
| Antenna Tower &Turn Table Controller MF | MF-7802 | NA | NA | NA |
| Radio Communication Analyzer | MT8820C | 6201300640 | Aug. 01, 2013 | Jul. 31, 2015 |

**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 test was performed in HwaYa Chamber 10.
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 690701.
5. The IC Site Registration No. is IC 7450F-10.

# 3 GENERAL INFORMATION

## 3.1 GENERAL DESCRIPTION OF EUT

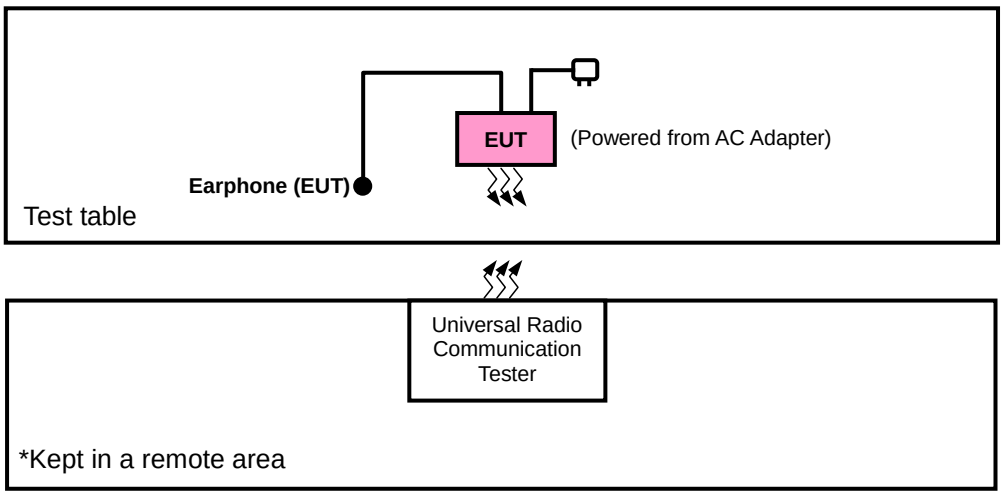
| | | |
|---|---|---|
| **EUT** | Smartphone | |
| **MODEL NAME** | 0PM9400 | |
| **POWER SUPPLY** | 5.0Vdc (adapter or host equipment)<br>3.8Vdc or 3.85Vdc (battery) | |
| **MODULATION TYPE** | **CDMA** | QPSK, OQPSK, HPSK |
| **FREQUENCY RANGE** | **CDMA** | 1851.3MHz ~ 1908.8MHz |
| **MAX. EIRP POWER** | **CDMA** | 246.04mW |
| **EMISSION DESIGNATOR** | **CDMA** | 1M28F9W |
| **ANTENNA TYPE** | Fixed Internal Antenna | |
| **I/O PORTS** | Refer to users' manual | |
| **DATA CABLE** | Refer to NOTE as below | |
| **ACCESSORY DEVICES** | Refer to NOTE as below | |

**NOTE:**

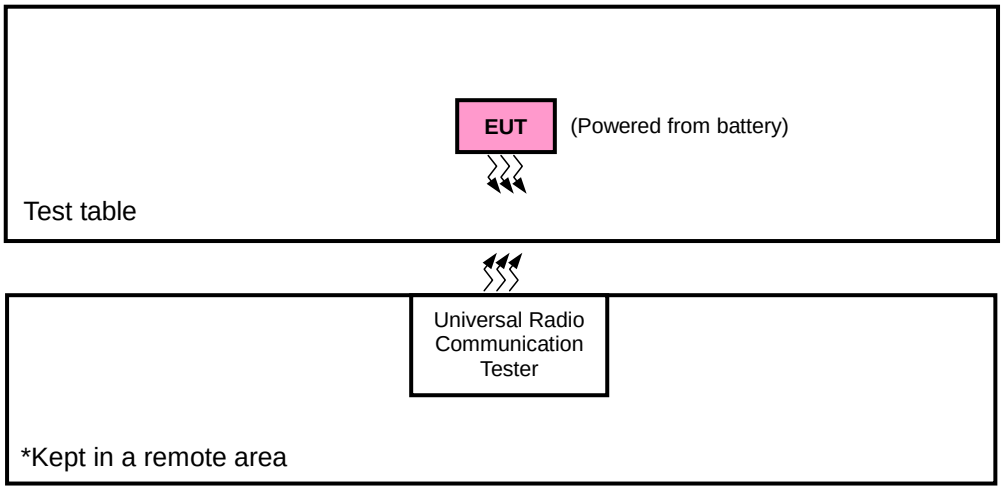
1. There're 2 configurations for the EUT listed as below.
   Main sample (A): Phone + Battery 1 + LCD Panel 1
   2nd sample (B): Phone + Battery 2 + LCD Panel 2
   ✧Only the worst test data was presented in the report.
2. The EUT's accessories list refers to Ext. Pho.
3. The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or User's Manual.

## 3.2 CONFIGURATION OF SYSTEM UNDER TEST

**FOR RADIATION EMISSION TEST**




**FOR E.I.R.P. TEST**




## 3.3 DESCRIPTION OF SUPPORT UNITS

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

## 3.4 TEST ITEM AND TEST CONFIGURATION

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports. The worst case was found as the list below. Following channel(s) was (were) selected for the final test as listed below:

| EUT CONFIGURE MODE | DESCRIPTION |
|---|---|
| A | Main sample |
| B | 2nd sample |

| EUT CONFIGURE MODE | EIRP | RADIATED EMISSION |
|---|---|---|
| A | X-plane | Y-axis |
| B | X-plane | Z-axis |

**CDMA MODE**

| EUT CONFIGURE MODE | TEST ITEM | AVAILABLE CHANNEL | TESTED CHANNEL | MODE |
|---|---|---|---|---|
| A, B | EIRP | 25 to 1175 | 25, 600, 1175 | 1xRTT |
| A | FREQUENCY STABILITY | 25 to 1175 | 600 | 1xRTT |
| A | OCCUPIED BANDWIDTH | 25 to 1175 | 25, 600, 1175 | 1xRTT |
| A | PEAK TO AVERAGE RATIO | 25 to 1175 | 25, 600, 1175 | 1xRTT |
| A | BAND EDGE | 25 to 1175 | 25, 1175 | 1xRTT |
| A | CONDUCTED EMISSION | 25 to 1175 | 600 | 1xRTT |
| A, B | RADIATED EMISSION | 25 to 1175 | 600 | 1xRTT |

**TEST CONDITION:**

| TEST ITEM | ENVIRONMENTAL CONDITIONS | INPUT POWER | TESTED BY |
|---|---|---|---|
| EIRP | 26deg. C, 58%RH | 3.8Vdc | Hwa Chiang |
| FREQUENCY STABILITY | 26deg. C, 58%RH | 3.8Vdc | Howard Kao |
| OCCUPIED BANDWIDTH | 26deg. C, 58%RH | 3.8Vdc | Howard Kao |
| PEAK TO AVERAGE RATIO | 26deg. C, 58%RH | 3.8Vdc | Howard Kao |
| BAND EDGE | 26deg. C, 58%RH | 3.8Vdc | Howard Kao |
| CONDUCTED EMISSION | 26deg. C, 58%RH | 3.8Vdc | Howard Kao |
| RADIATED EMISSION | 25deg. C, 65%RH | 120Vac, 60Hz | Hwa Chiang / Charles Hsiao |

## 3.5 EUT OPERATING CONDITIONS

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency

## 3.6 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 47 CFR Part 2**
**FCC 47 CFR Part 24**
**ANSI/TIA/EIA-603-C 2004**

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

# 4 TEST TYPES AND RESULTS

## 4.1 OUTPUT POWER MEASUREMENT

### 4.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

Mobile and portable stations are limited to 2 watts EIRP.

### 4.1.2 TEST PROCEDURES

**EIRP MEASUREMENT:**

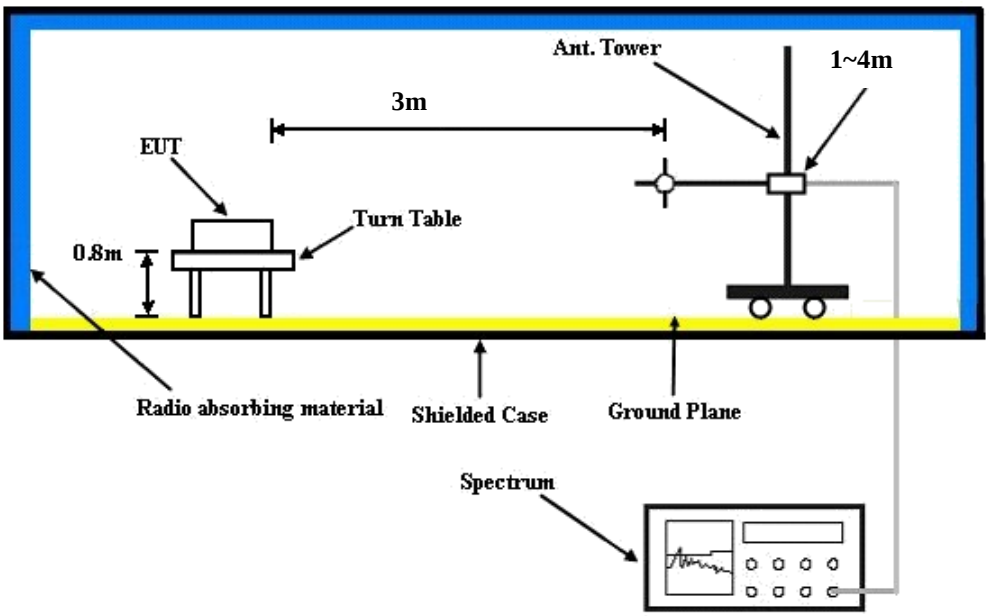
a. All measurements were done at low, middle and high operational frequency range. RBW and VBW is 5MHz for CDMA mode.
b. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.
c. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a tx cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value” of step b. Record the power level of S.G
d. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.

**CONDUCTED POWER MEASUREMENT:**

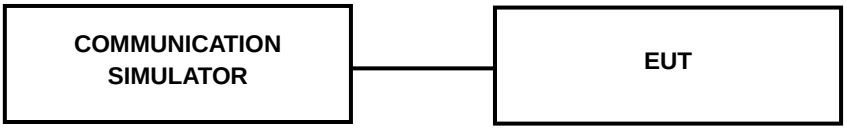
The EUT was set up for the maximum power with LTE link data modulation and link up with simulator. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

### 4.1.3 TEST SETUP

**EIRP / ERP MEASUREMENT:**




**CONDUCTED POWER MEASUREMENT:**



### 4.1.4 TEST RESULTS

**CONDUCTED OUTPUT POWER (dBm)**

| Band | CDMA | | |
|---|---|---|---|
| Channel | 25 | 600 | 1175 |
| Frequency (MHz) | 1851.25 | 1880 | 1908.75 |
| RC1+SO55 | 23.54 | 23.52 | 23.50 |
| RC3+SO55 | **23.55** | 23.53 | 23.51 |
| RC3+SO32(+ F-SCH) | 23.50 | 23.48 | 23.46 |
| RC3+SO32(+SCH) | 23.51 | 23.49 | 23.47 |
| RTAP 153.6 | 23.53 | 23.51 | 23.49 |
| RETAP 4096 | 23.49 | 23.47 | 23.45 |

**EIRP POWER (dBm)**

**MODE A**

| CDMA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Plane | Channel | Frequency (MHz) | LVL (dBm) | Correction Factor(dB) | EIRP(dBm) | EIRP(mW) | Polarization (H/V) |
| X | 25 | 1851.25 | -21.20 | 44.70 | 23.50 | 223.87 | H |
| | 600 | 1880.00 | -20.97 | 44.70 | 23.73 | 236.05 | H |
| | 1175 | 1908.75 | -20.69 | 44.57 | 23.88 | 244.51 | H |
| | 25 | 1851.25 | -27.24 | 44.27 | 17.03 | 50.47 | V |
| | 600 | 1880.00 | -27.47 | 44.87 | 17.40 | 54.95 | V |
| | 1175 | 1908.75 | -27.38 | 44.61 | 17.23 | 52.88 | V |

**MODE B**

| CDMA | | | | | | | |
|---|---|---|---|---|---|---|---|
| Plane | Channel | Frequency (MHz) | LVL (dBm) | Correction Factor(dB) | EIRP(dBm) | EIRP(mW) | Polarization (H/V) |
| X | 25 | 1851.25 | -21.09 | 44.70 | 23.61 | 229.61 | H |
| | 600 | 1880.00 | -20.79 | 44.70 | 23.91 | 246.04 | H |
| | 1175 | 1908.75 | -20.74 | 44.57 | 23.83 | 241.71 | H |
| | 25 | 1851.25 | -27.39 | 44.27 | 16.88 | 48.75 | V |
| | 600 | 1880.00 | -27.99 | 44.87 | 16.88 | 48.75 | V |
| | 1175 | 1908.75 | -27.35 | 44.61 | 17.26 | 53.25 | V |

## 4.2 FREQUENCY STABILITY MEASUREMENT

### 4.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

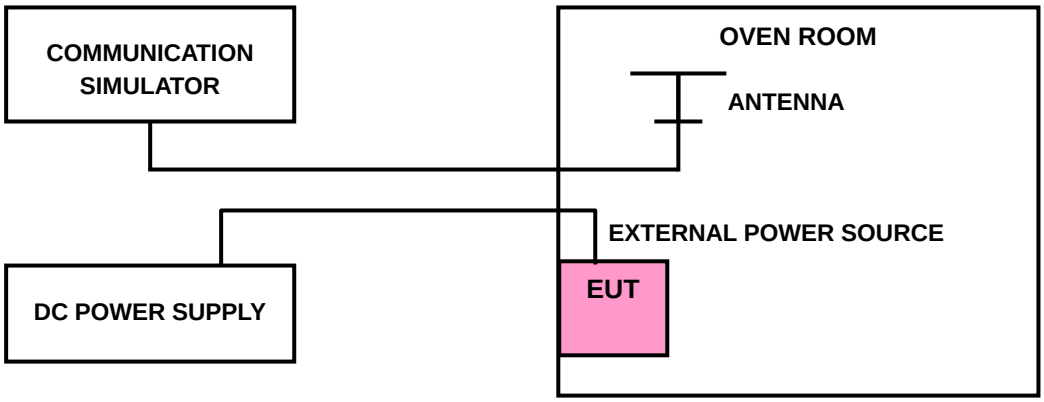
The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

### 4.2.2 TEST PROCEDURE

a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
b. EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ±0.5℃ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

**NOTE:** The frequency error was recorded frequency error from the communication simulator.

### 4.2.3 TEST SETUP



### 4.2.4 TEST RESULTS

**FREQUENCY ERROR vs. VOLTAGE**

| VOLTAGE (Volts) | FREQUENCY ERROR (ppm) | LIMIT (ppm) |
|---|---|---|
| | CDMA | |
| 3.8 | 0.001 | 2.5 |
| 3.6 | 0.001 | 2.5 |
| 4.4 | 0.002 | 2.5 |

**NOTE:** The applicant defined the normal working voltage of the battery is from 3.6Vdc to 4.4Vdc.

**FREQUENCY ERROR vs. TEMPERATURE**

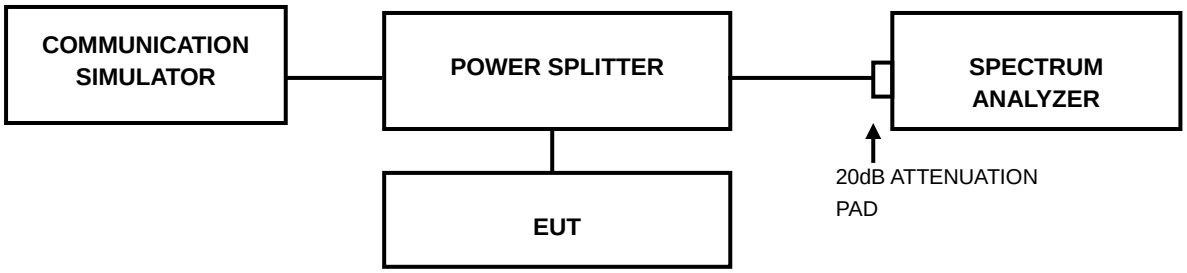
| TEMP. (℃) | FREQUENCY ERROR (ppm) | LIMIT (ppm) |
|---|---|---|
| | CDMA | |
| -30 | 0.002 | 2.5 |
| -20 | 0.001 | 2.5 |
| -10 | -0.001 | 2.5 |
| 0 | -0.001 | 2.5 |
| 10 | -0.002 | 2.5 |
| 20 | -0.001 | 2.5 |
| 30 | -0.001 | 2.5 |
| 40 | 0.002 | 2.5 |
| 50 | 0.001 | 2.5 |
| 60 | 0.001 | 2.5 |

## 4.3 OCCUPIED BANDWIDTH MEASUREMENT

### 4.3.1 TEST PROCEDURES

The EUT makes a call to the communication simulator. All measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

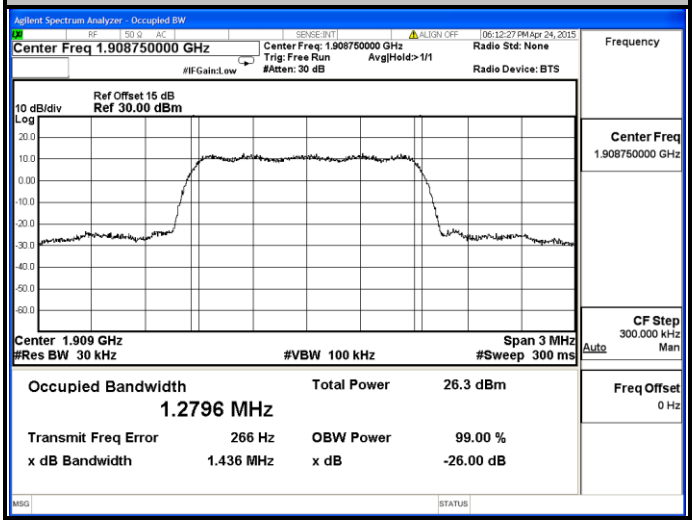
### 4.3.2 TEST SETUP



### 4.3.3 TEST RESULTS

| CDMA | | | |
|---|---|---|---|
| CHANNEL | FREQUENCY (MHz) | 99% OCCUPIED BANDWIDTH (MHz) | 26dB BANDWIDTH (MHz) |
| 25 | 1851.25 | 1.2793 | 1.432 |
| 600 | 1880.00 | 1.2787 | 1.433 |
| 1175 | 1908.75 | 1.2796 | 1.436 |

| SPECTRUM PLOT OF WORST VALUE |
|---|
| CDMA |

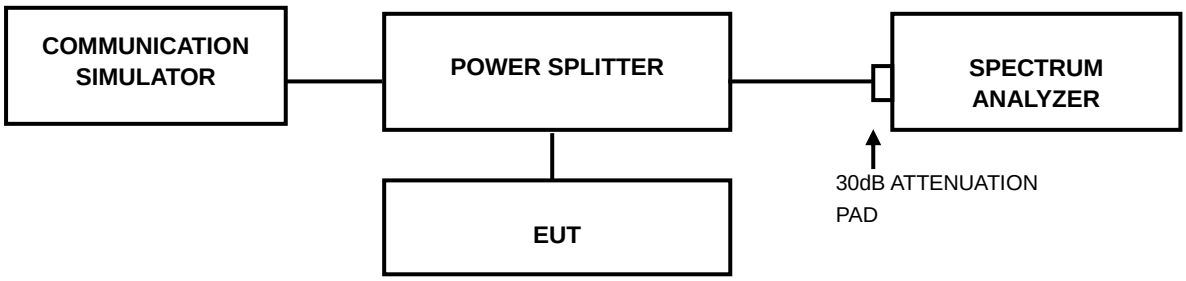


## 4.4 PEAK TO AVERAGE RATIO

### 4.4.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB.

### 4.4.2 TEST SETUP



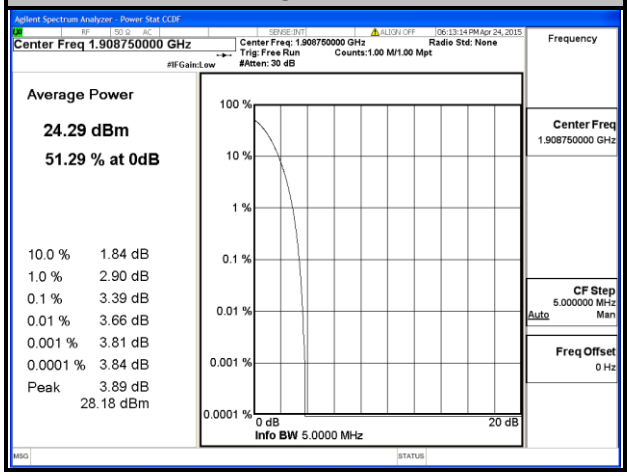

### 4.4.3 TEST PROCEDURES

1. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.

### 4.4.4 TEST RESULTS

| CHANNEL | FREQUENCY (MHz) | PEAK TO AVERAGE RATIO (dB) |
|---|---|---|
| | | CDMA |
| 25 | 1851.25 | 3.35 |
| 600 | 1880.00 | 3.23 |
| 1175 | 1908.75 | 3.39 |

| SPECTRUM PLOT OF WORST VALUE |
|---|
| CDMA |

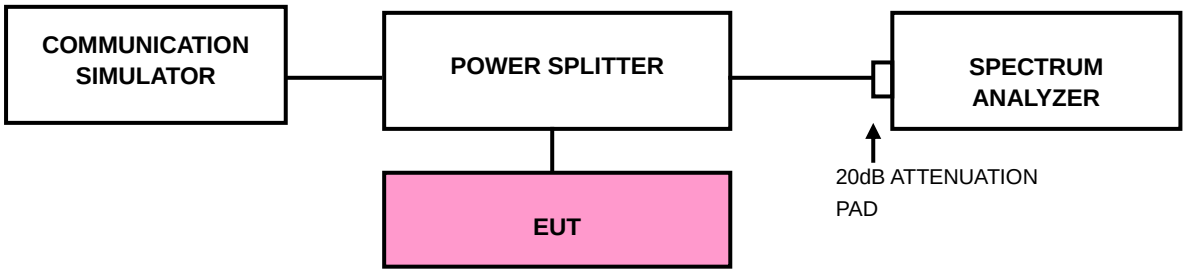


## 4.5 BAND EDGE MEASUREMENT

### 4.5.1 LIMITS OF BAND EDGE MEASUREMENT

Power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

### 4.5.2 TEST SETUP

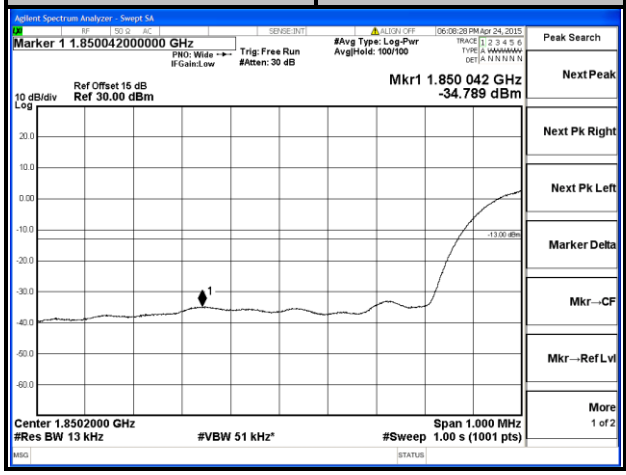


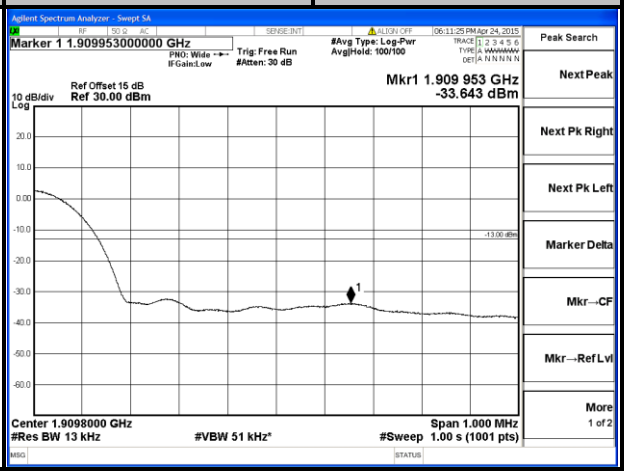

### 4.5.3 TEST PROCEDURES

a. All measurements were done at low and high operational frequency range.
b. The center frequency of spectrum is the band edge frequency and span is 1MHz. RB of the spectrum is 13kHz and VB of the spectrum is 51kHz.
c. Record the max trace plot into the test report.

### 4.5.4 TEST RESULTS

| CDMA | | | |
|---|---|---|---|
| CHANNEL | 25 | CHANNEL | 1175 |



## 4.6 CONDUCTED SPURIOUS EMISSIONS

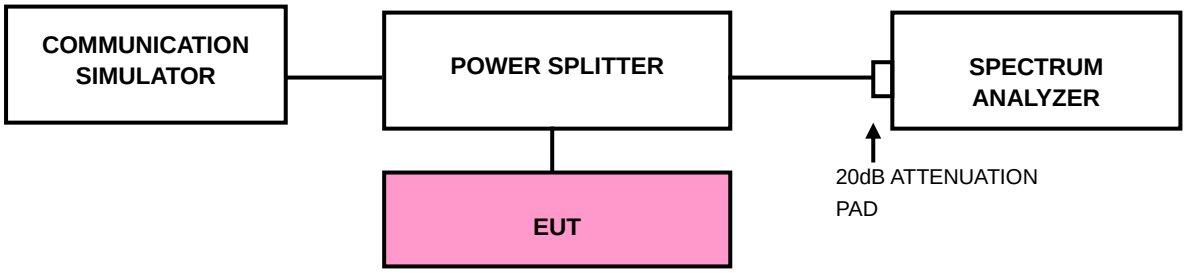
### 4.6.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit is equal to -13dBm.

### 4.6.2 TEST PROCEDURE

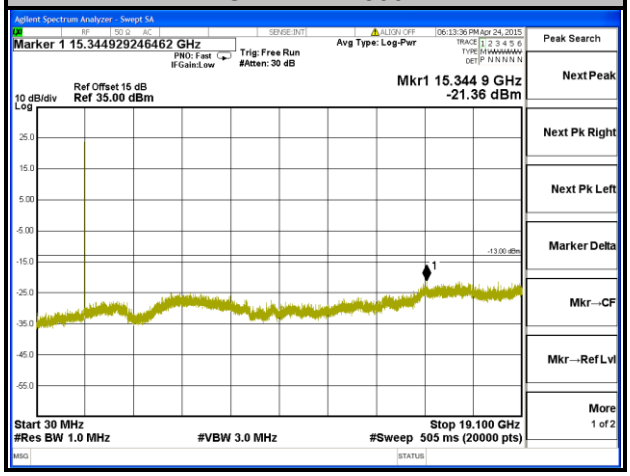
a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
b. Measuring frequency range is from 30 MHz to 19.1GHz. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

### 4.6.3 TEST SETUP



### 4.6.4 TEST RESULTS

| CDMA |
| --- |
| CHANNEL 600 |



## 4.7 RADIATED EMISSION MEASUREMENT

### 4.7.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit is equal to -13dBm.

### 4.7.2 TEST PROCEDURES

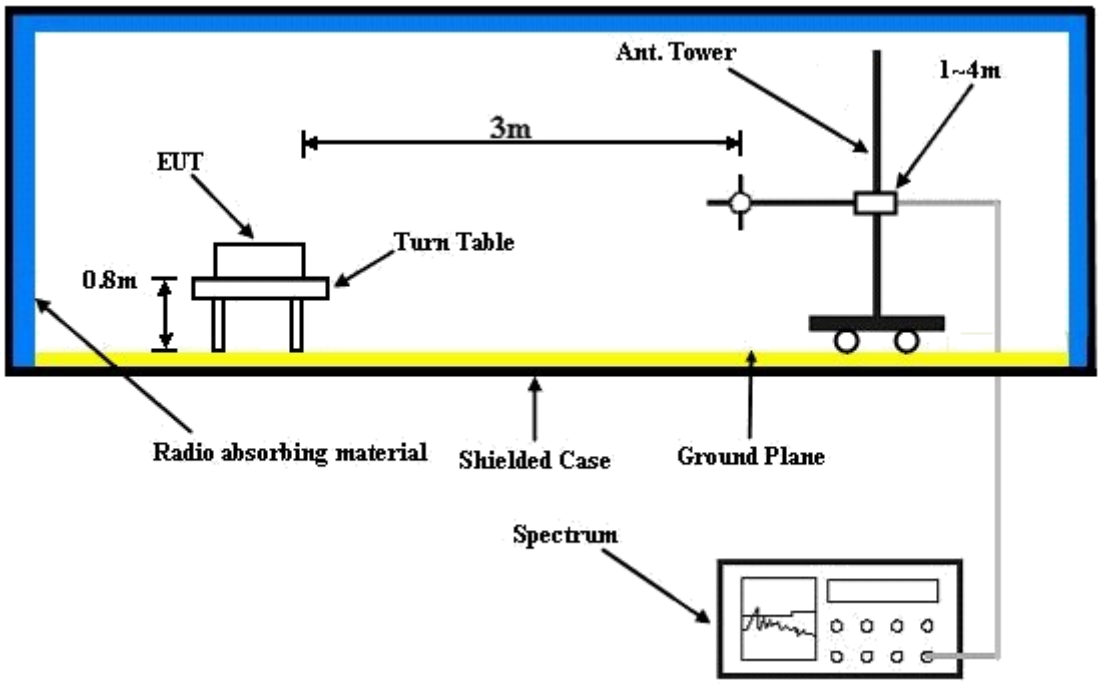
a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.
b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value” of step a. Record the power level of S.G
c. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.
d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.R.P power - 2.15dBi.

**NOTE:** The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

### 4.7.3 DEVIATION FROM TEST STANDARD

No deviation

### 4.7.4 TEST SETUP

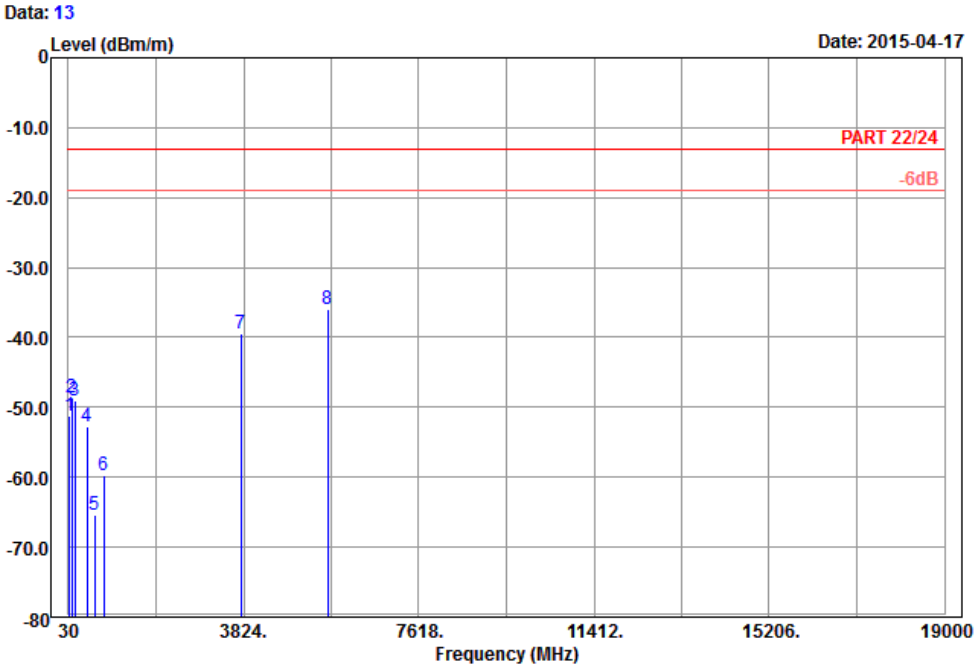



For the actual test configuration, please refer to the attached file (Test Setup Photo).

### 4.7.5 TEST RESULTS

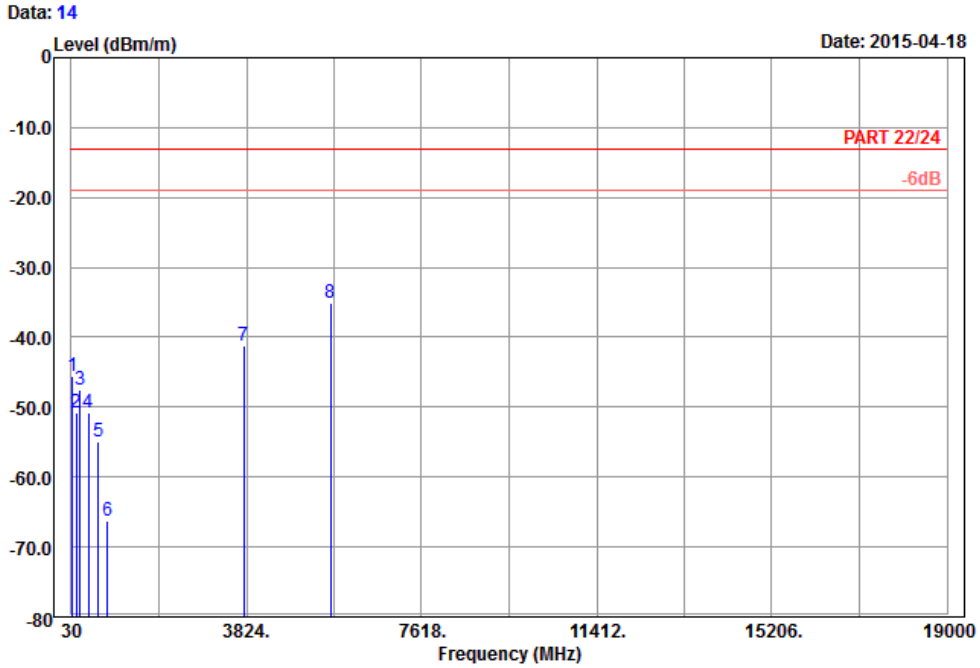
**MODE A:**

Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch




Site : 966 chamber 1
Condition: PART 22/24 3m Horizontal
Remark : BC1_Link_CH600
Tested by: Hwa Chiang
Plane : Y

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark |
|---|---|---|---|---|---|---|---|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | |
| 1 | 58.89 | -51.21 | -37.15 | -13.00 | -38.21 | -14.06 | Peak |
| 2 | 105.06 | -48.60 | -39.07 | -13.00 | -35.60 | -9.53 | Peak |
| 3 | 170.13 | -49.04 | -42.33 | -13.00 | -36.04 | -6.71 | Peak |
| 4 | 429.50 | -52.78 | -49.38 | -13.00 | -39.78 | -3.40 | Peak |
| 5 | 596.80 | -65.46 | -65.73 | -13.00 | -52.46 | 0.27 | Peak |
| 6 | 791.40 | -59.81 | -61.25 | -13.00 | -46.81 | 1.44 | Peak |
| 7 | 3760.00 | -39.50 | -55.64 | -13.00 | -26.50 | 16.14 | Peak |
| 8 pp | 5640.00 | -35.94 | -56.41 | -13.00 | -22.94 | 20.47 | Peak |

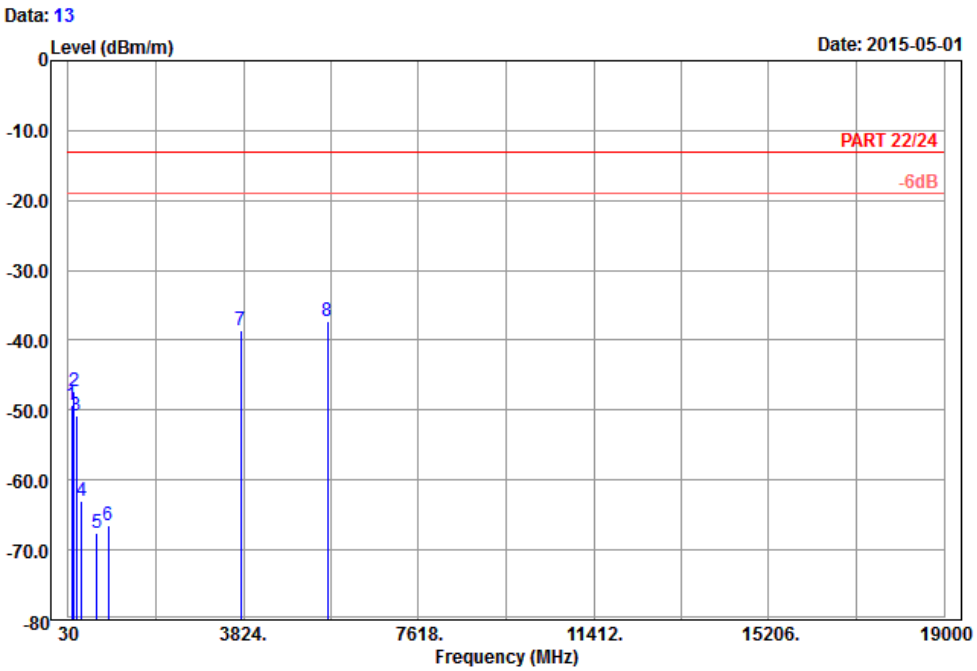



Site : 966 chamber 1
Condition: PART 22/24 3m Vertical
Remark : BC1_Link_CH600
Tested by: Hwa Chiang
Plane : Y

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark |
|---|---|---|---|---|---|---|---|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | |
| 1 | 47.55 | -45.51 | -32.40 | -13.00 | -32.51 | -13.11 | Peak |
| 2 | 143.94 | -50.68 | -42.89 | -13.00 | -37.68 | -7.79 | Peak |
| 3 | 216.57 | -47.42 | -41.46 | -13.00 | -34.42 | -5.96 | Peak |
| 4 | 407.10 | -50.74 | -47.83 | -13.00 | -37.74 | -2.91 | Peak |
| 5 | 622.00 | -54.90 | -55.08 | -13.00 | -41.90 | 0.18 | Peak |
| 6 | 808.90 | -66.35 | -68.26 | -13.00 | -53.35 | 1.91 | Peak |
| 7 | 3760.00 | -41.12 | -57.26 | -13.00 | -28.12 | 16.14 | Peak |
| 8 pp | 5640.00 | -35.07 | -55.54 | -13.00 | -22.07 | 20.47 | Peak |

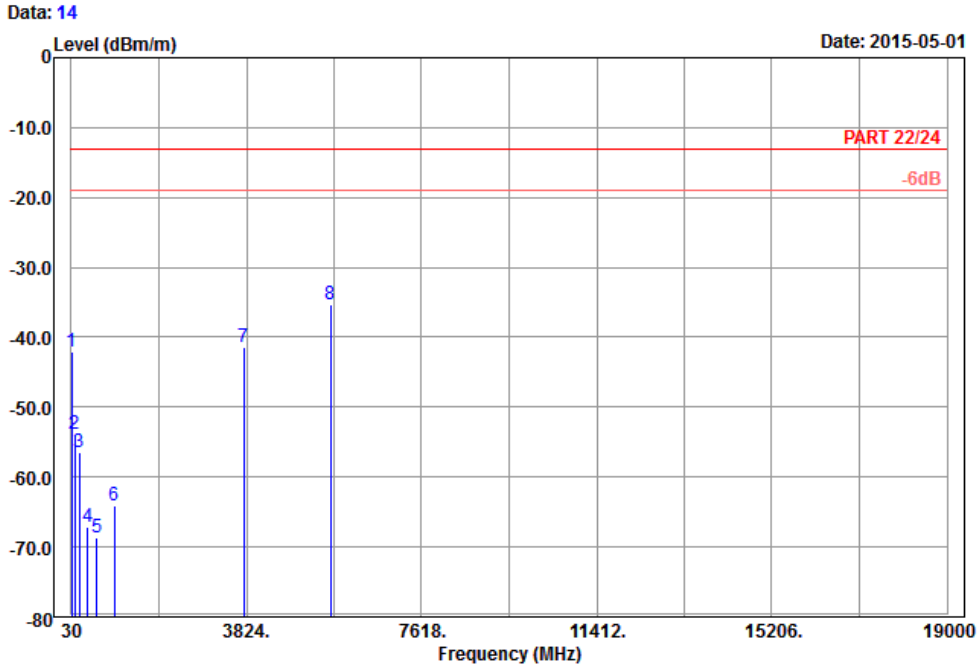
**MODE B:**

Bureau Veritas Consumer Products Services Ltd.,Taoyuan Branch




Site : 966 chamber 1
Condition: PART 22/24 3m Horizontal
Remark : BC1_Link_CH600
Tested by: Charles Hsiao
Plane : Z

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark |
|---|---|---|---|---|---|---|---|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | |
| 1 | 103.44 | -49.28 | -39.63 | -13.00 | -36.28 | -9.65 | Peak |
| 2 | 147.45 | -47.37 | -39.49 | -13.00 | -34.37 | -7.88 | Peak |
| 3 | 204.96 | -50.83 | -44.71 | -13.00 | -37.83 | -6.12 | Peak |
| 4 | 314.70 | -63.02 | -57.24 | -13.00 | -50.02 | -5.78 | Peak |
| 5 | 649.30 | -67.66 | -67.54 | -13.00 | -54.66 | -0.12 | Peak |
| 6 | 894.30 | -66.55 | -69.27 | -13.00 | -53.55 | 2.72 | Peak |
| 7 | 3760.00 | -38.50 | -54.64 | -13.00 | -25.50 | 16.14 | Peak |
| 8 pp | 5640.00 | -37.37 | -57.84 | -13.00 | -24.37 | 20.47 | Peak |




Site : 966 chamber 1
Condition: PART 22/24 3m Vertical
Remark : BC1_Link_CH600
Tested by: Charles Hsiao
Plane : Z

| | Freq | Level | Read Level | Limit Line | Over Limit | Factor | Remark |
|---|---|---|---|---|---|---|---|
| | MHz | dBm/m | dBm | dBm/m | dB | dB/m | |
| 1 | 31.89 | -42.13 | -31.37 | -13.00 | -29.13 | -10.76 | Peak |
| 2 | 102.90 | -53.91 | -44.14 | -13.00 | -40.91 | -9.77 | Peak |
| 3 | 208.47 | -56.41 | -50.34 | -13.00 | -43.41 | -6.07 | Peak |
| 4 | 380.50 | -67.21 | -63.44 | -13.00 | -54.21 | -3.77 | Peak |
| 5 | 588.40 | -68.57 | -68.52 | -13.00 | -55.57 | -0.05 | Peak |
| 6 | 956.60 | -64.05 | -69.18 | -13.00 | -51.05 | 5.13 | Peak |
| 7 | 3760.00 | -41.48 | -57.62 | -13.00 | -28.48 | 16.14 | Peak |
| 8 pp | 5640.00 | -35.39 | -55.86 | -13.00 | -22.39 | 20.47 | Peak |

# 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 – MODIFICATIONS 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---**