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# FCC Test Report

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Report No.: AGC14G120401-5F2C

**FCC ID** : JJMFUSION

**PRODUCT DESIGNATION** : GSM/WCDMA mobile phone/Smart phone (Fusion)

**BRAND NAME** : NUQLEO

**MODEL NAME** : QS-G3UCT1BK, QS-G3UCT1BL, QS-G3UCT1RD,  
QS-G3UCT1WH, QS-G3UCT1SL, QS-G3UCT1YL,  
QS-G3UCT1PR, QS-G3UCT1GN, QS-G3UCT1PK,  
QS-G3UCT1OR

**CLIENT** : Accvent LLC

**DATE OF ISSUE** : May 14, 2012

**STANDARD(S)** : FCC Part 15 Rules

**REPORT VERSION** : V1.0

**Attestation of Global Compliance Co., Ltd.**

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## VERIFICATION OF COMPLIANCE

|                      |                                                                                                                           |
|----------------------|---------------------------------------------------------------------------------------------------------------------------|
| Applicant:           | Accvent LLC                                                                                                               |
|                      | 454 Holiday Drive Hallandale,Florida,33009.USA                                                                            |
| Manufacturer:        | Accvent LLC                                                                                                               |
|                      | 454 Holiday Drive Hallandale,Florida,33009.USA                                                                            |
| Product Designation: | GSM/WCDMA mobile phone/Smart phone (Fusion)                                                                               |
| Brand name:          | NUQLEO                                                                                                                    |
| Test Model:          | QS-G3UCT1BK                                                                                                               |
| Series Model:        | QS-G3UCT1BL, QS-G3UCT1RD, QS-G3UCT1WH,<br>QS-G3UCT1SL, QS-G3UCT1YL, QS-G3UCT1PR,<br>QS-G3UCT1GN, QS-G3UCT1PK, QS-G3UCT1OR |
| Model Difference:    | All above models are the except for appearance.                                                                           |
| FCC ID:              | JJMFUSION                                                                                                                 |
| Report Number:       | AGC14G120401-5F2C                                                                                                         |
| Date of Test:        | May 04 to May 12, 2012                                                                                                    |

### WE HEREBY CERTIFY THAT:

The above equipment was tested by Attestation of Global Compliance Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2003) and the energy emitted by the sample EUT tested as described in this report is in compliance with requirement of FCC Part 15 Rules and RSS-210 requirement.

Tested By: Leo Lee  
Leo Lee May 14,2012

Reviewed By: Forrest Lei  
Forrest Lei May 14,2012

Approved By: Solger Zhang  
Solger Zhang May 14,2012

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## 1. GENERAL INFORMATION

### 1.1 PRODUCT DESCRIPTION

The EUT is a GSM/WCDMA mobile phone/Smart phone (Fusion) designed as an "Wifi Device". It is designed by way of utilizing the DSSS and OFDM technology to achieve the system operation.

A major technical description of EUT is described as following

|                     |                                                                             |
|---------------------|-----------------------------------------------------------------------------|
| Operation Frequency | 2.412 GHz to 2.462GHz                                                       |
| Max. Output Power   | 11b:12.88 dBm,11g:11.74 dBm,11n(20):11.38 dBm                               |
| Modulation          | DSSS,OFDM                                                                   |
| Data Rate           | DSSS(1/2/5.5/11),OFDM(6/9/12/18/24/36/48/54)<br>See section 1.3 for 802.11n |
| Number of channels  | 11                                                                          |
| Antenna Designation | Integrated Antenna                                                          |
| Antenna Gain(WIFI)  | 1.1dBi(Max.)                                                                |
| Power Supply        | DC 3.7V by battery                                                          |

### 1.2 TABLE OF CARRIER FREQUENCIES

| Frequency Band | Channel Number | Frequency |
|----------------|----------------|-----------|
| 2400~2483.5MHZ | 1              | 2412MHZ   |
|                | 2              | 2417MHZ   |
|                | 3              | 2422 MHZ  |
|                | 4              | 2427 MHZ  |
|                | 5              | 2432 MHZ  |
|                | 6              | 2437 MHZ  |
|                | 7              | 2442 MHZ  |
|                | 8              | 2447 MHZ  |
|                | 9              | 2452 MHZ  |
|                | 10             | 2457 MHZ  |
|                | 11             | 2462MHZ   |

**Note:** For 20MHZ bandwidth system use Channel 1 to Channel 11

### 1.3 IEEE 802.11N MODULATION SCHEME

| MCS Index | Nss | Modulation | R   | NBPSC | NCBPS | NCBPS | Data Rate(Mbps)  |
|-----------|-----|------------|-----|-------|-------|-------|------------------|
|           |     |            |     |       | 20MHz | 20MHz | 800nsGI<br>20MHz |
| 0         | 1   | BPSK       | 1/2 | 1     | 52    | 26    | 6.5              |
| 1         | 1   | QPSK       | 1/2 | 2     | 104   | 52    | 13.0             |
| 2         | 1   | QPSK       | 3/4 | 2     | 104   | 78    | 19.5             |
| 3         | 1   | 16-QAM     | 1/2 | 4     | 208   | 104   | 26.0             |
| 4         | 1   | 16-QAM     | 3/4 | 4     | 208   | 156   | 39.0             |
| 5         | 1   | 64-QAM     | 2/3 | 6     | 312   | 208   | 52.0             |
| 6         | 1   | 64-QAM     | 3/4 | 6     | 312   | 234   | 58.5             |
| 7         | 1   | 64-QAM     | 5/6 | 6     | 312   | 260   | 65.0             |

| Symbol | Explanation                             |
|--------|-----------------------------------------|
| NSS    | Number of spatial streams               |
| R      | Code rate                               |
| NBPSC  | Number of coded bits per single carrier |
| NCBPS  | Number of coded bits per symbol         |
| NDBPS  | Number of data bits per symbol          |
| GI     | guard interval                          |

### 1.4 RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for **FCC ID: JJMFUSION**, filing to comply with the FCC Part 15 and RSS-210 requirements.

### 1.5 TEST METHODOLOGY

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4 (2003). Radiated testing was performed at an antenna to EUT distance 3 meters.

### 1.6 TEST FACILITY

The test site used to collect the radiated data is located on the address of Attestation of Global Compliance Co., Ltd. 2F., No.2 Building, Huafeng No.1 Technical Industrial Park, Sanwei, Xixiang, Baoan District, Shenzhen. The test site is constructed and calibrated to meet the FCC requirements in documents ANSI C63.4: 2003 and IC requirements in documents RS212.  
FCC register No.: 259865

### 1.7 SPECIAL ACCESSORIES

Refer to section 2.2.

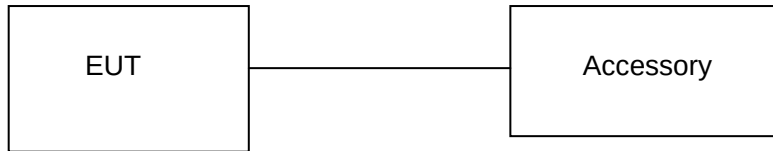
### 1.8 EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

## 2. SYSTEM TEST CONFIGURATION

### 2.1 CONFIGURATION OF EUT SYSTEM

Configure 1:



### 2.2 EQUIPMENT USED IN EUT SYSTEM

| Item | Equipment                                       | Model No.   | ID or Specification  | Note      |
|------|-------------------------------------------------|-------------|----------------------|-----------|
| 1    | GSM/WCDMA mobile phone/<br>Smart phone (Fusion) | QS-G3UCT1BK | FCC ID:<br>JJMFUSION | EUT       |
| 2    | Adapter                                         | Fusion      | N/A                  | Accessory |
| 3    | Battery                                         | Fusion      | N/A                  | Accessory |
| 4    | Earphone                                        | N/A         | N/A                  | Accessory |
| 5    | USB Cable                                       | N/A         | N/A                  | Accessory |

*Note: All the accessories have been used during the test except earphone.  
The EUT in test setup diagram means "EUT system".*

### 3. SUMMARY OF TEST RESULTS

| FCC RULES | DESCRIPTION OF TEST         | RESULT    |
|-----------|-----------------------------|-----------|
| §15.247   | Peak Output Power           | Compliant |
| §15.247   | 20 dB Bandwidth             | Compliant |
| §15.247   | Conducted Spurious Emission | Compliant |
| §15.209   | Radiated Emission           | Compliant |
| §15.247   | Band Edges                  | Compliant |
| §15.207   | Line Conduction Emission    | Compliant |

### 4. DESCRIPTION OF TEST MODES

| TEST MODES                                                               |
|--------------------------------------------------------------------------|
| Transmit by 802.11b with Data rate( 1/2/5.5/11)                          |
| Transmit by 802.11g with Data rate (6/9/12/18/24/36/48/54)               |
| Transmit by 802.11n (20MHz) with Data rate(6.5/13/19.5/26/39/52/58.5/65) |
| Normal (Wi-Fi)                                                           |

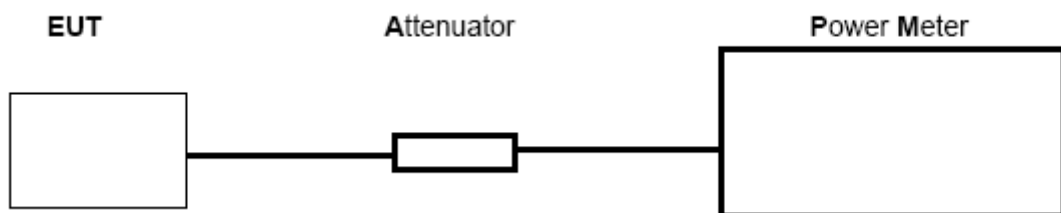
- Note: 1 The EUT has been set to operate continuously on the lowest, middle and highest operation frequency individually.  
 2 All modes under which configure applicable have been tested and the worst mode test data recording in the test report.  
 3 For Radiated Emission, 3 axis were chosen for testing for each applicable modes.

## 5. PEAK OUTPUT POWER

### 5.1 MEASUREMENT PROCEDURE

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Connect EUT RF output port to power meter through an RF attenuator
3. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
4. Set the RBW greater than 6DB bandwidth of emission.
5. Record the maximum power from the power meter.

### 5.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



### 5.3 MEASUREMENT EQUIPMENT USED

| Description   | Manufacturer | Model   | SERIAL NUMBER | Cal. Date  | Cal. Due   |
|---------------|--------------|---------|---------------|------------|------------|
| Power meter   | Agilent      | N1911A  | N/A           | 06/27/2011 | 06/26/2012 |
| Power sensor  | Agilent      | N192XA  | N/A           | 06/27/2011 | 06/26/2012 |
| RF attenuator | N/A          | RFA20db | N/A           | N/A        | N/A        |
| AGILENT       | Agilent      | E4440A  | N/A           | 06/27/2011 | 06/26/2012 |

#### 5.4 LIMITS AND MEASUREMENT RESULT

|                  |                          |
|------------------|--------------------------|
| <b>TEST ITEM</b> | PEAK POWER               |
| <b>TEST MODE</b> | 802.11b with data rate 1 |

|                 | <b>LIMITS AND MEASUREMENT RESULT</b> |                  |                         |              |
|-----------------|--------------------------------------|------------------|-------------------------|--------------|
| Frequency (GHz) | Average Power (dBm)                  | Peak Power (dBm) | Applicable Limits (dBm) | Pass or Fail |
| 2.412           | 12.21                                | 12.88            | 30                      | Pass         |
| 2.437           | 12.13                                | 12.81            | 30                      | Pass         |
| 2.462           | 7.14                                 | 7.56             | 30                      | Pass         |

|                  |                          |
|------------------|--------------------------|
| <b>TEST ITEM</b> | PEAK POWER               |
| <b>TEST MODE</b> | 802.11g with data rate 6 |

|                 | <b>LIMITS AND MEASUREMENT RESULT</b> |                  |                         |              |
|-----------------|--------------------------------------|------------------|-------------------------|--------------|
| Frequency (GHz) | Average Power (dBm)                  | Peak Power (dBm) | Applicable Limits (dBm) | Pass or Fail |
| 2.412           | 10.25                                | 11.74            | 30                      | Pass         |
| 2.437           | 11.18                                | 11.67            | 30                      | Pass         |
| 2.462           | 7.05                                 | 7.33             | 30                      | Pass         |

|                  |                               |
|------------------|-------------------------------|
| <b>TEST ITEM</b> | PEAK POWER                    |
| <b>TEST MODE</b> | 802.11n 20 with data rate 6.5 |

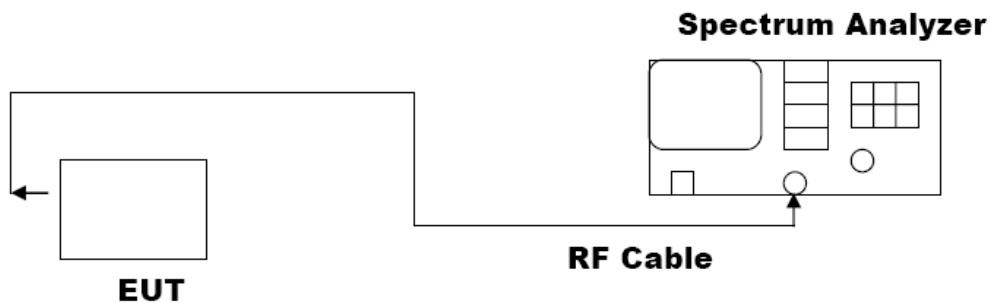
|                    | <b>LIMITS AND MEASUREMENT RESULT</b> |                     |                            |              |
|--------------------|--------------------------------------|---------------------|----------------------------|--------------|
| Frequency<br>(GHz) | Average Power<br>(dBm)               | Peak Power<br>(dBm) | Applicable Limits<br>(dBm) | Pass or Fail |
| 2.412              | 10.89                                | 11.38               | 30                         | Pass         |
| 2.437              | 10.77                                | 11.31               | 30                         | Pass         |
| 2.462              | 6.83                                 | 7.15                | 30                         | Pass         |

## 6. 6 DB BANDWIDTH

### 6.1 MEASUREMENT PROCEDURE

1. The EUT was placed on a table which is 0.8m above ground plane.
2. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
3. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
3. Set SPA Centre Frequency = Operation Frequency, RBW= 100 KHz, VBW= 100 KHz.
4. Set SPA Trace 1 Max hold, then View.

### 6.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)



### 6.3 MEASUREMENT EQUIPMENT USED

| Description       | Manufacturer | Model   | SERIAL NUMBER | Cal. Date  | Cal. Due   |
|-------------------|--------------|---------|---------------|------------|------------|
| Spectrum Analyzer | Agilent      | E4440A  | N/A           | 06/27/2011 | 06/26/2012 |
| RF attenuator     | N/A          | RFA20db | N/A           | N/A        | N/A        |

### 6.4 LIMITS AND MEASUREMENT RESULTS

|                  |                           |
|------------------|---------------------------|
| <b>TEST ITEM</b> | 6DB BANDWIDTH             |
| <b>TEST MODE</b> | 802.11b with data rate 11 |

| LIMITS AND MEASUREMENT RESULT |                    |       |          |
|-------------------------------|--------------------|-------|----------|
| Applicable Limits             | Measurement Result |       |          |
|                               | Test Data (MHz)    |       | Criteria |
| >500KHZ                       | Low Channel        | 10.13 | PASS     |
|                               | Middle Channel     | 10.08 | PASS     |
|                               | High Channel       | 10.15 | PASS     |

|                  |                           |
|------------------|---------------------------|
| <b>TEST ITEM</b> | 6DB BANDWIDTH             |
| <b>TEST MODE</b> | 802.11g with data rate 54 |

| LIMITS AND MEASUREMENT RESULT |                    |       |          |
|-------------------------------|--------------------|-------|----------|
| Applicable Limits             | Measurement Result |       |          |
|                               | Test Data (MHz)    |       | Criteria |
| >500KHZ                       | Low Channel        | 16.58 | PASS     |
|                               | Middle Channel     | 16.70 | PASS     |
|                               | High Channel       | 16.69 | PASS     |

|                  |                              |
|------------------|------------------------------|
| <b>TEST ITEM</b> | 6DB BANDWIDTH                |
| <b>TEST MODE</b> | 802.11n 20 with data rate 65 |

| LIMITS AND MEASUREMENT RESULT |                    |       |          |
|-------------------------------|--------------------|-------|----------|
| Applicable Limits             | Measurement Result |       |          |
|                               | Test Data (MHz)    |       | Criteria |
| >500KHZ                       | Low Channel        | 17.79 | PASS     |
|                               | Middle Channel     | 17.76 | PASS     |
|                               | High Channel       | 17.83 | PASS     |

|                  |                           |
|------------------|---------------------------|
| <b>TEST ITEM</b> | 99% OBW                   |
| <b>TEST MODE</b> | 802.11b with data rate 11 |

| LIMITS AND MEASUREMENT RESULT |                    |       |          |
|-------------------------------|--------------------|-------|----------|
| Applicable Limits             | Measurement Result |       |          |
|                               | Test Data (MHz)    |       | Criteria |
| >500KHZ                       | Low Channel        | 14.10 | PASS     |
|                               | Middle Channel     | 14.07 | PASS     |
|                               | High Channel       | 14.29 | PASS     |

|                  |                           |
|------------------|---------------------------|
| <b>TEST ITEM</b> | 99% OBW                   |
| <b>TEST MODE</b> | 802.11g with data rate 54 |

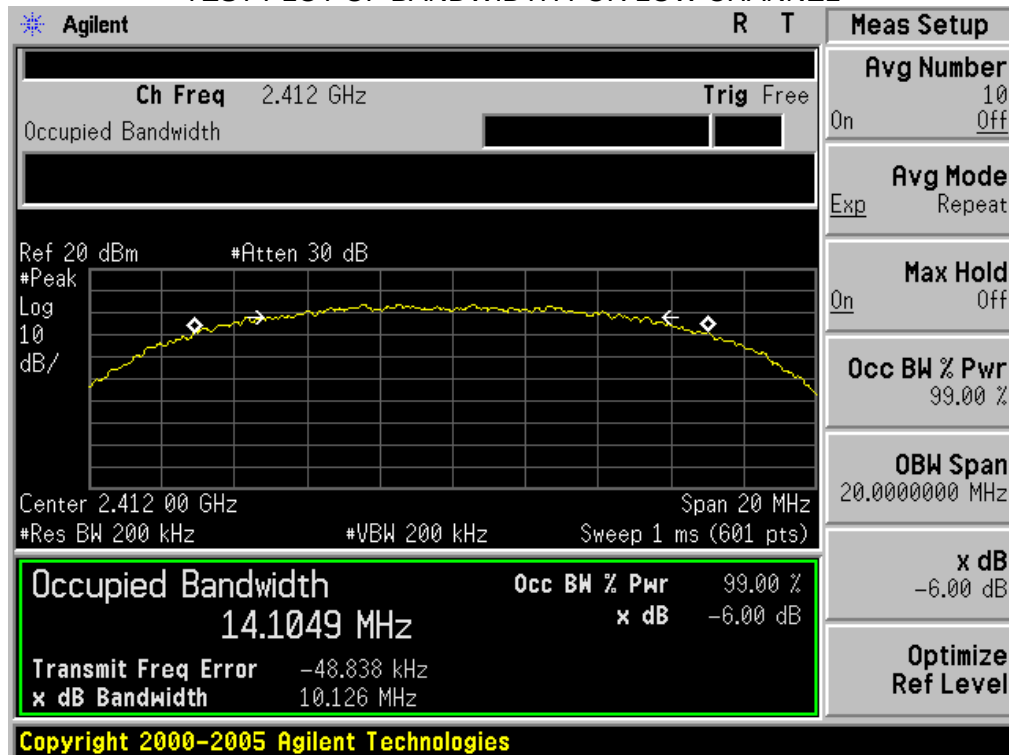
| LIMITS AND MEASUREMENT RESULT |                    |       |          |
|-------------------------------|--------------------|-------|----------|
| Applicable Limits             | Measurement Result |       |          |
|                               | Test Data (MHz)    |       | Criteria |
| >500KHZ                       | Low Channel        | 16.69 | PASS     |
|                               | Middle Channel     | 16.97 | PASS     |
|                               | High Channel       | 16.87 | PASS     |

|                  |                              |
|------------------|------------------------------|
| <b>TEST ITEM</b> | 99% OBW                      |
| <b>TEST MODE</b> | 802.11n 20 with data rate 65 |

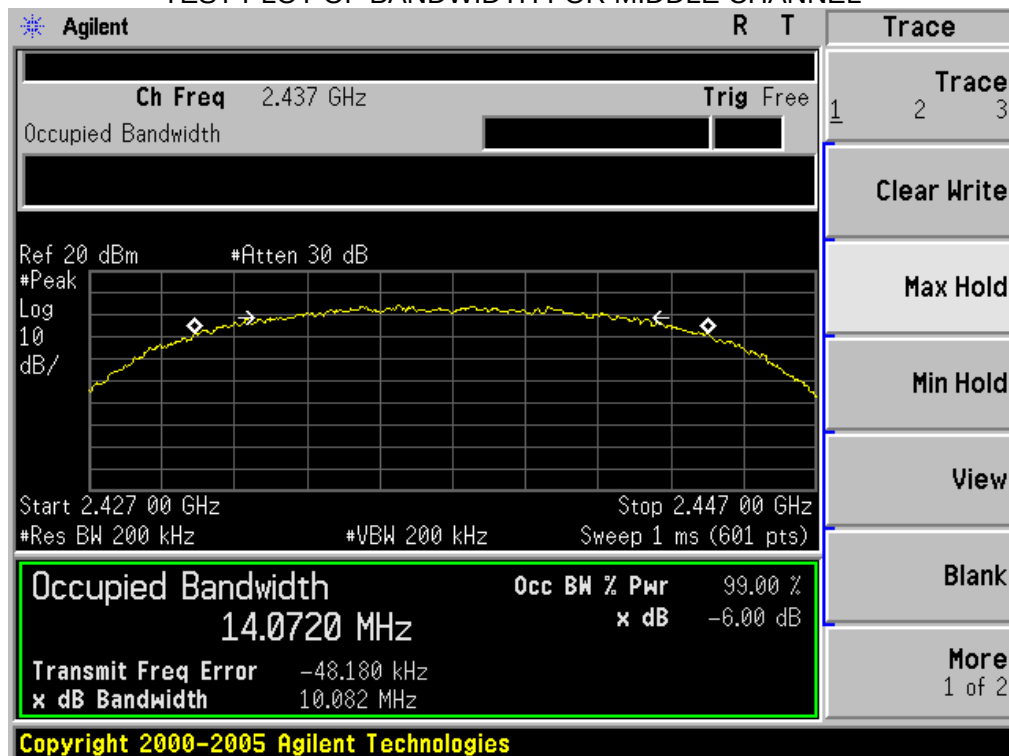
| LIMITS AND MEASUREMENT RESULT |                    |       |          |
|-------------------------------|--------------------|-------|----------|
| Applicable Limits             | Measurement Result |       |          |
|                               | Test Data (MHz)    |       | Criteria |
| >500KHZ                       | Low Channel        | 17.78 | PASS     |
|                               | Middle Channel     | 17.74 | PASS     |
|                               | High Channel       | 17.75 | PASS     |

# 802.11b TEST RESULT

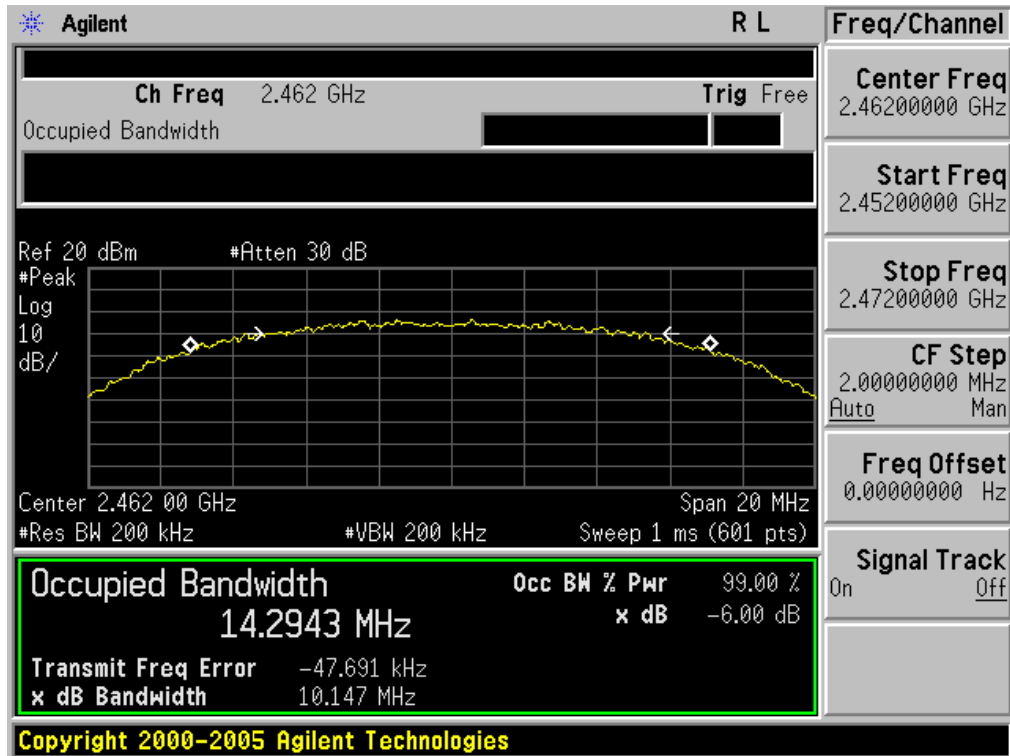
## TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



## TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

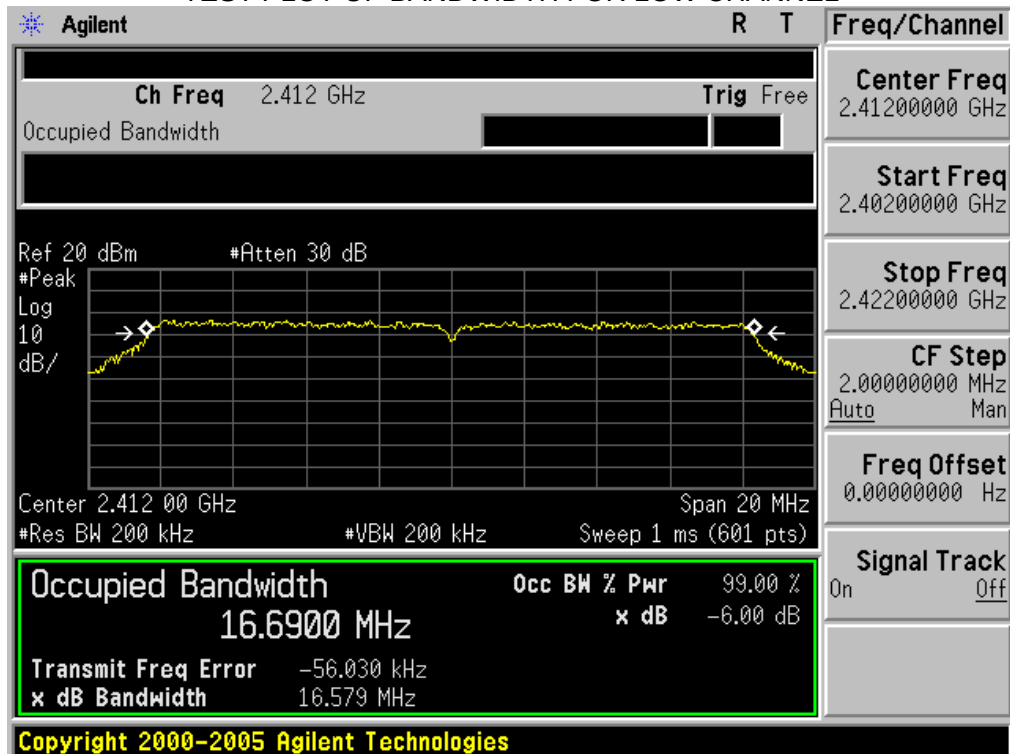


### TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL

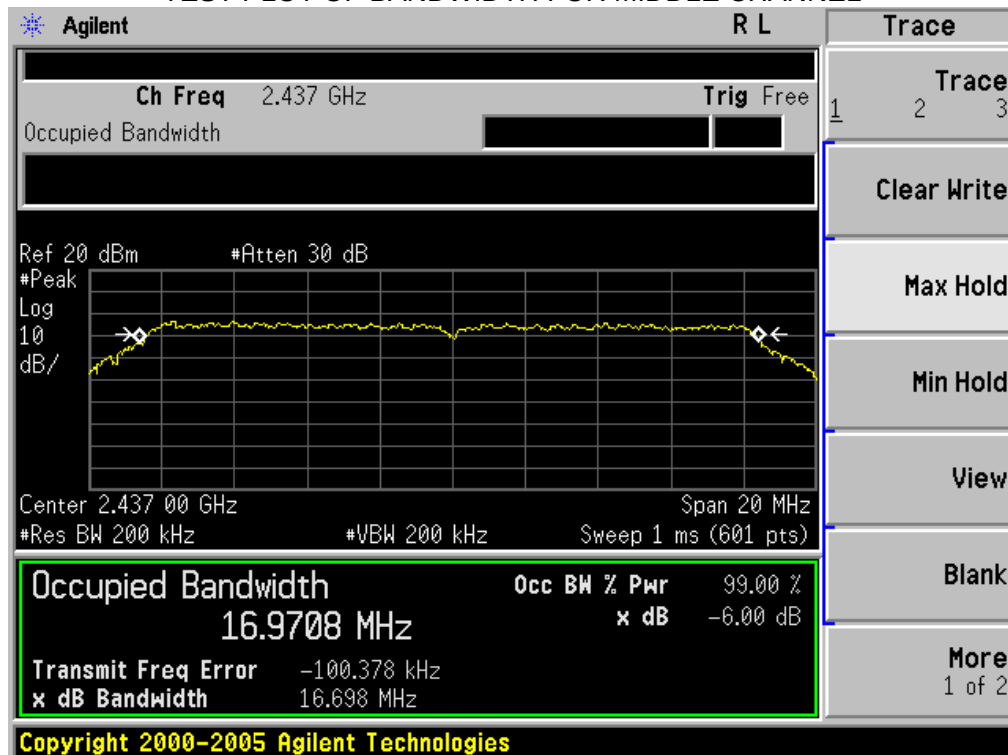


### 802.11g TEST RESULT

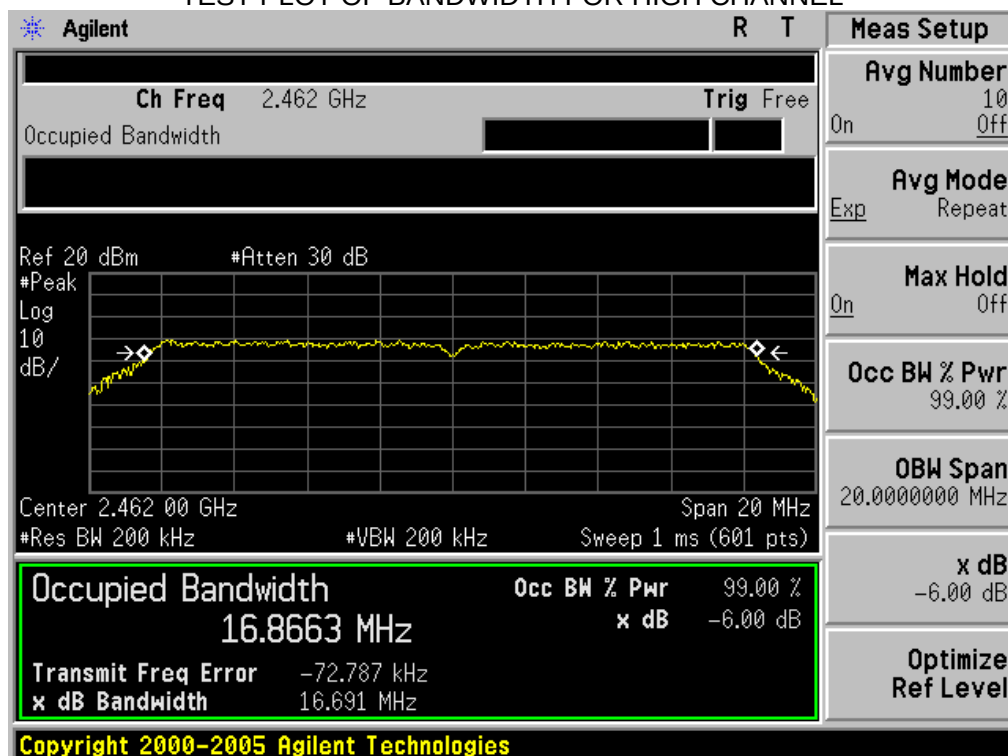
### TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

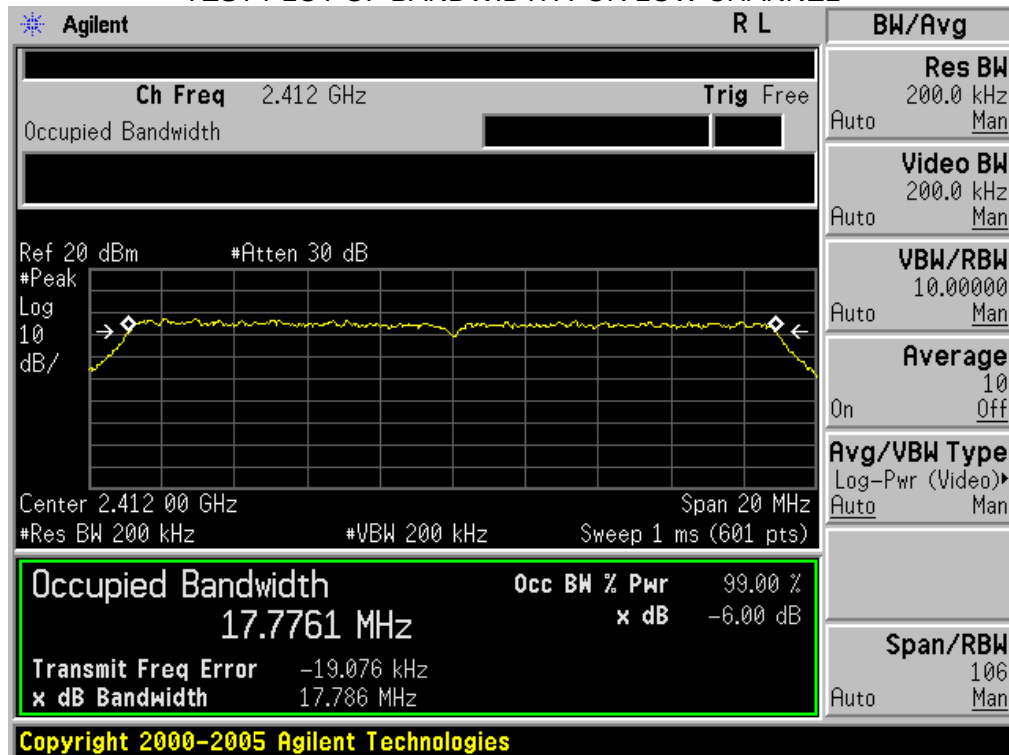


### TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL

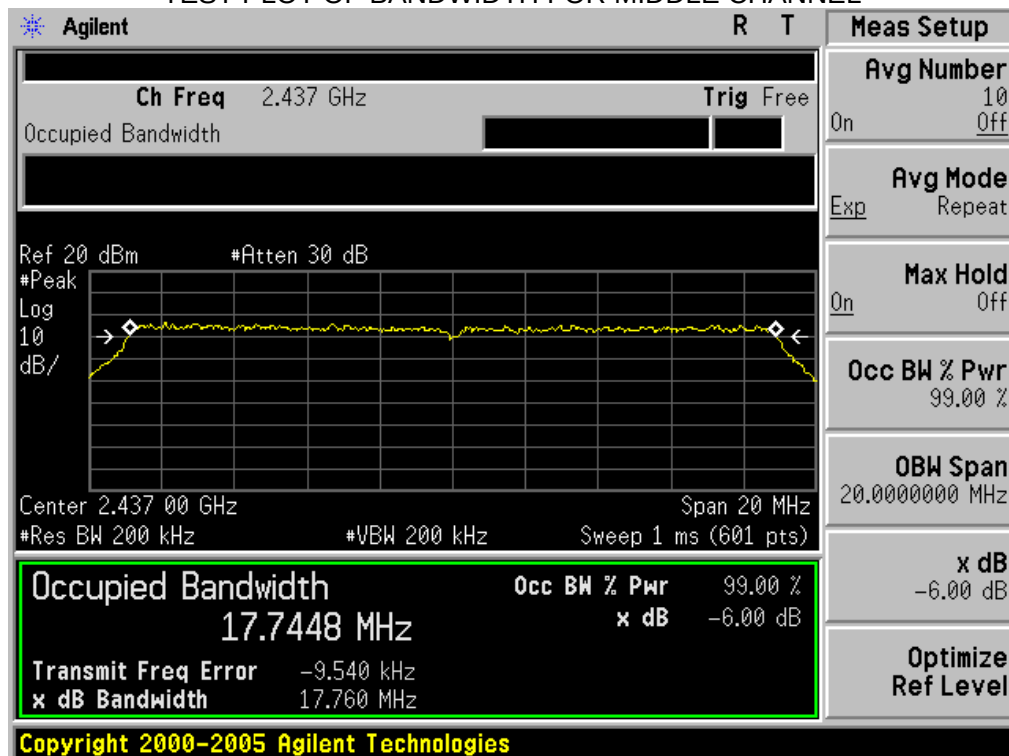


## 802.11n(20) TEST RESULT

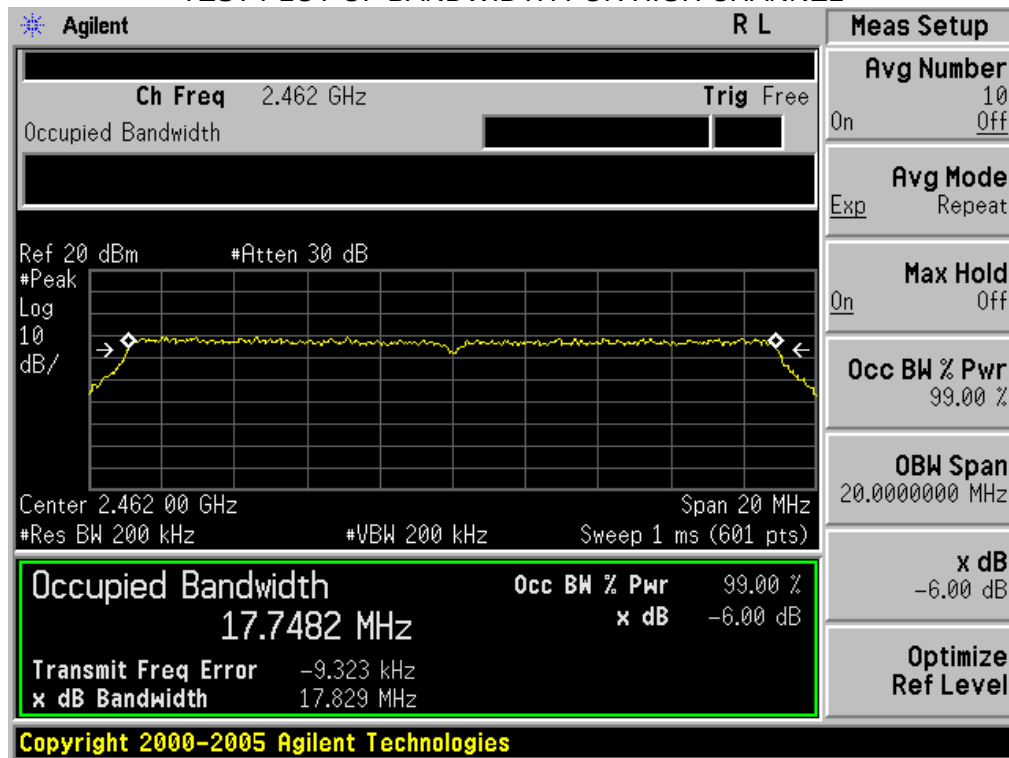
### TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



### TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



# TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



## 7. MAXIMUM CONDUCTED OUTPUT POWER SPECTRAL DENSITY

### 7.1 MEASUREMENT PROCEDURE

- (1). The EUT was placed on a turn table which is 0.8m above ground plane.
- (2). Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- (3). Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- (4). Set SPA Centre Frequency = Operation Frequency, RBW= 3 KHz,  
VBW= 3 KHz., Sweep time= AUTO
- (5). Set SPA Trace 1 Max hold, then View.

### 7.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

Refer To Section 6.2

### 7.3 MEASUREMENT EQUIPMENT USED

Refer To Section 6.3

### 7.4 LIMITS AND MEASUREMENT RESULT

| TEST ITEM | POWER PECTRAL DENSITY    |
|-----------|--------------------------|
| TEST MODE | 802.11b with data rate 1 |

| LIMITS AND MEASUREMENT RESULT |                      |        |          |
|-------------------------------|----------------------|--------|----------|
| Applicable Limits             | Measurement Result   |        |          |
|                               | Test Data (dBm/3KHz) |        | Criteria |
| 8 dBm / 3KHz                  | Low Channel          | -12.42 | Pass     |
|                               | Middle Channel       | -12.11 | Pass     |
|                               | High Channel         | -19.99 | Pass     |

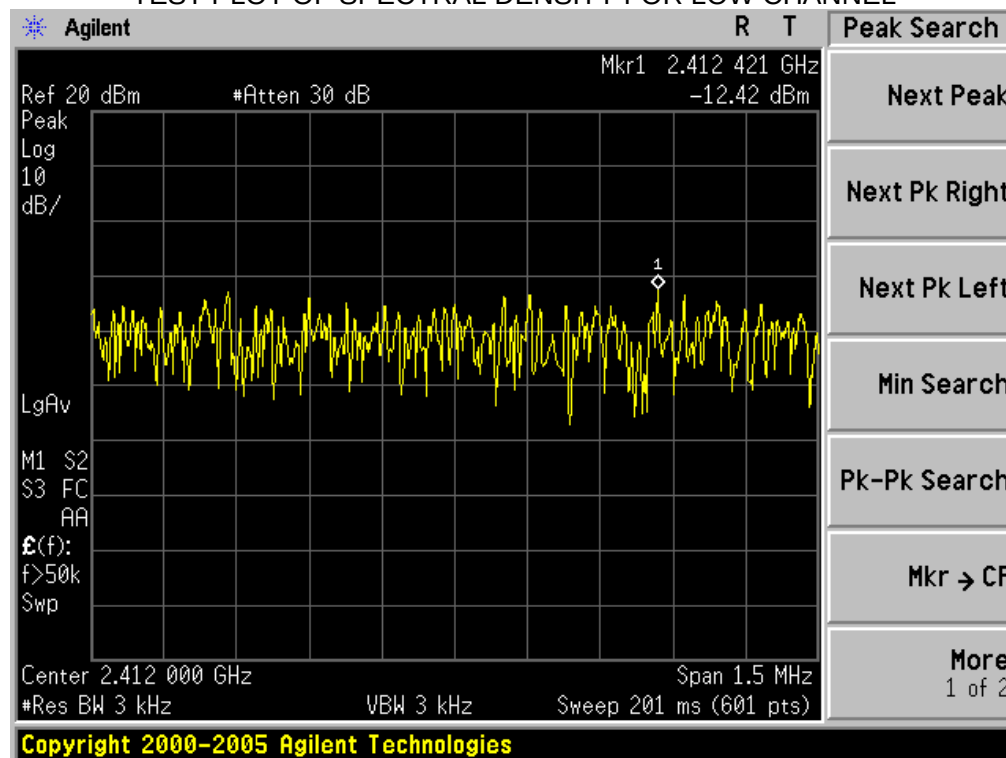
| TEST ITEM | POWER PECTRAL DENSITY    |
|-----------|--------------------------|
| TEST MODE | 802.11b with data rate 6 |

| LIMITS AND MEASUREMENT RESULT |                      |        |          |
|-------------------------------|----------------------|--------|----------|
| Applicable Limits             | Measurement Result   |        |          |
|                               | Test Data (dBm/3KHz) |        | Criteria |
| 8 dBm / 3KHz                  | Low Channel          | -22.82 | Pass     |
|                               | Middle Channel       | -22.24 | Pass     |
|                               | High Channel         | -29.86 | Pass     |

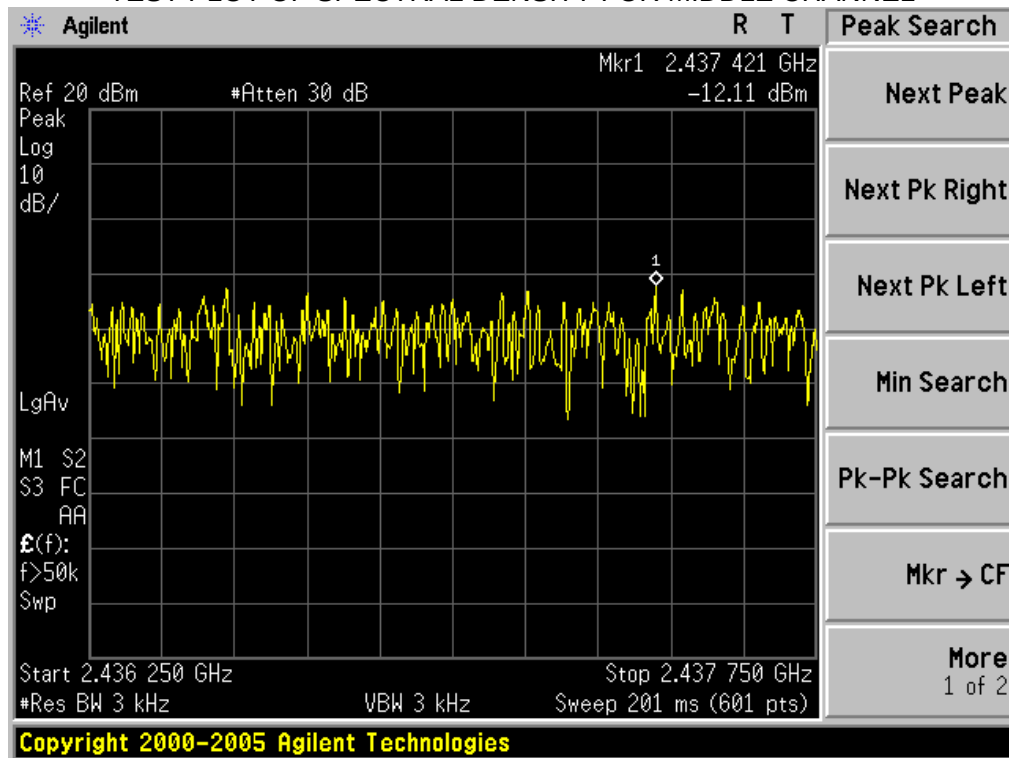
|           |                               |
|-----------|-------------------------------|
| TEST ITEM | POWER PECTRAL DENSITY         |
| TEST MODE | 802.11n 20 with data rate 6.5 |

| LIMITS AND MEASUREMENT RESULT |                      |        |          |
|-------------------------------|----------------------|--------|----------|
| Applicable Limits             | Measurement Result   |        |          |
|                               | Test Data (dBm/3KHz) |        | Criteria |
| 8 dBm / 3KHz                  | Low channel          | -21.71 | Pass     |
|                               | Middle Channel       | -21.11 | Pass     |
|                               | High channel         | -28.44 | Pass     |

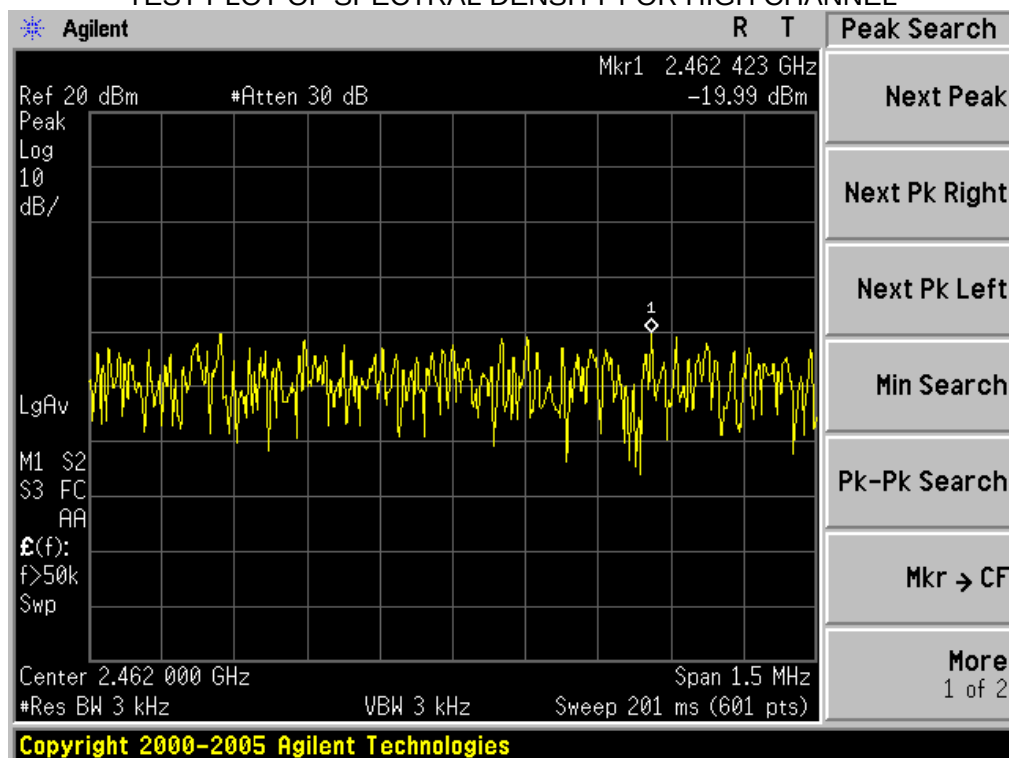
802.11b TEST RESULT  
TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL



### TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL

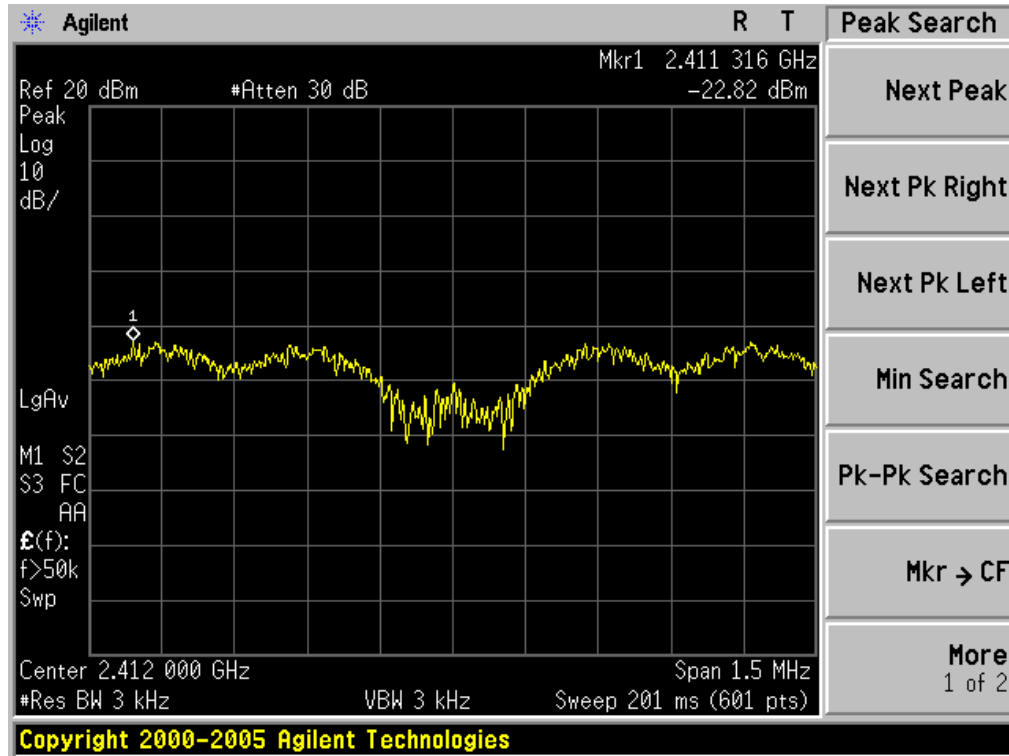


### TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL

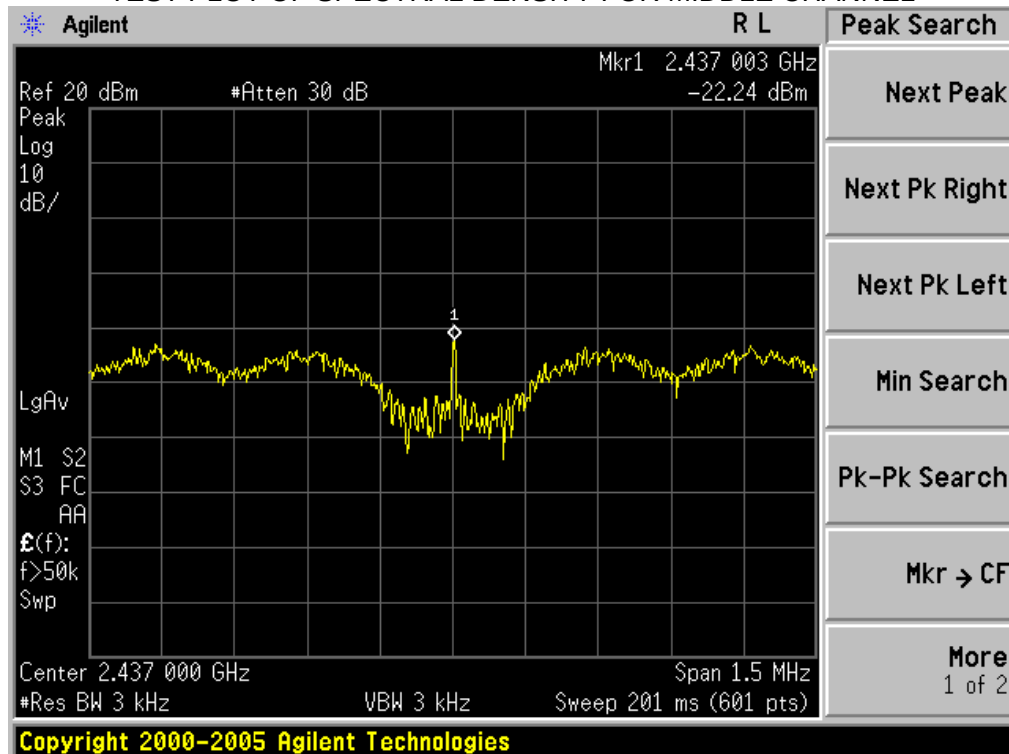


### 802.11g TEST RESULT

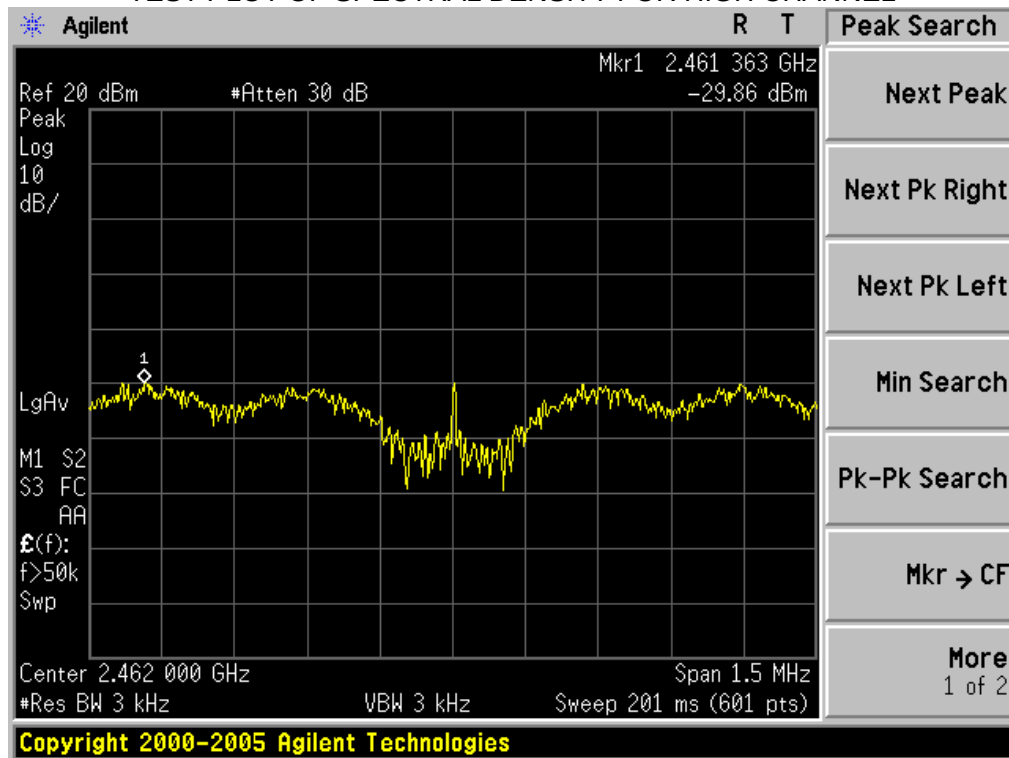
TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL



TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL

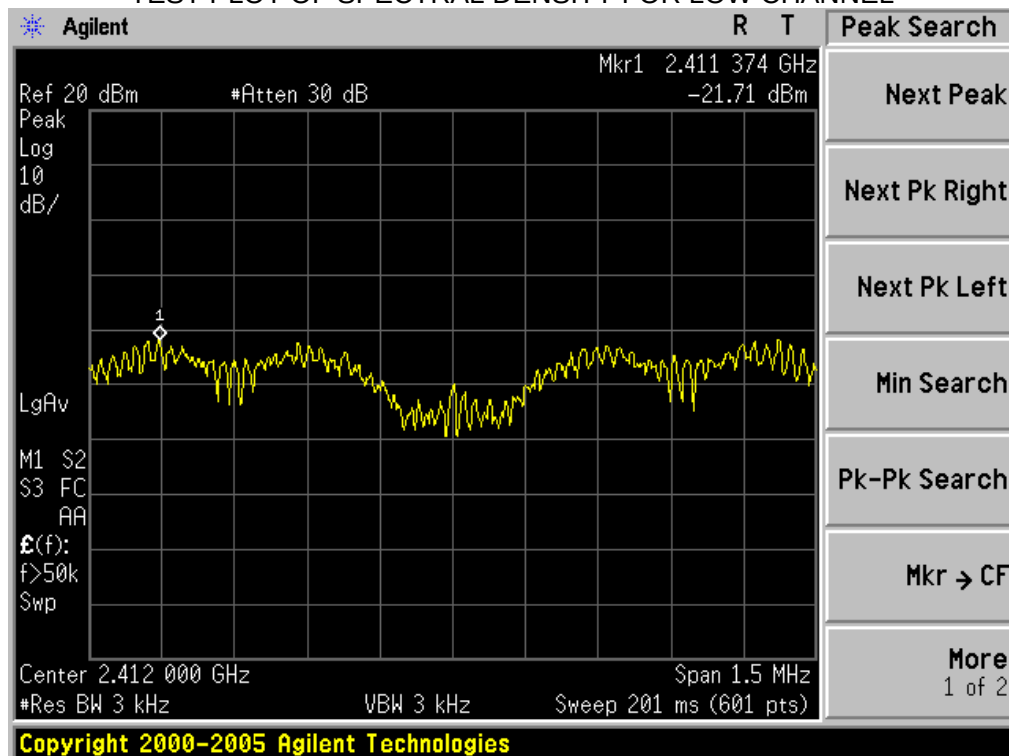


#### TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL

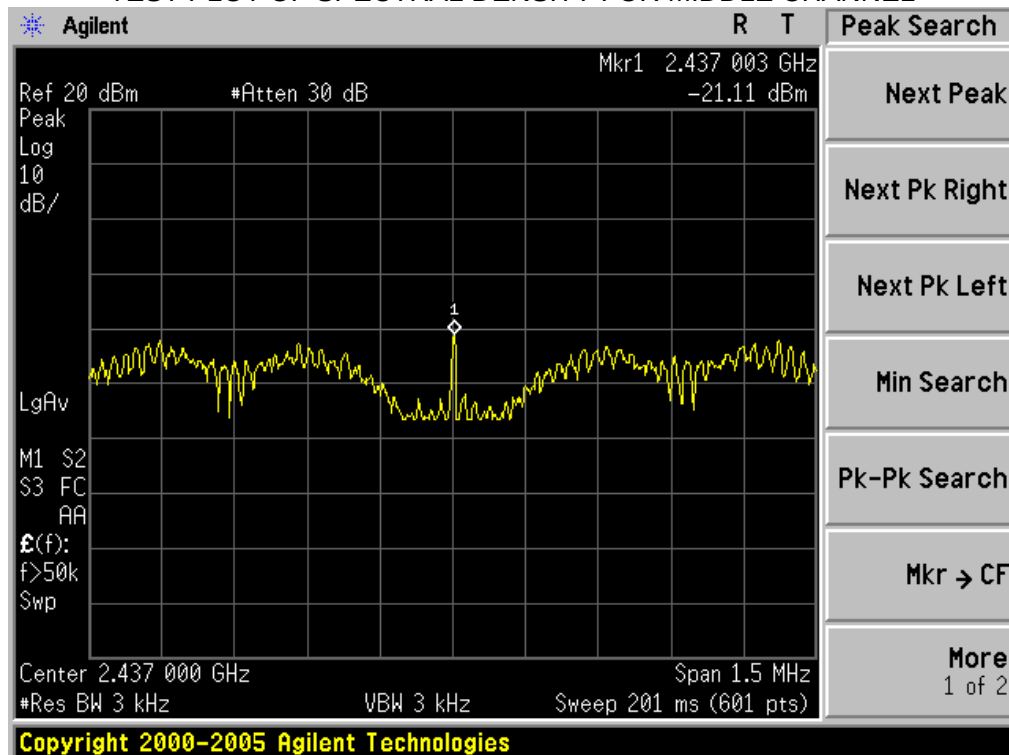


#### 802.11n(20) TEST RESULT

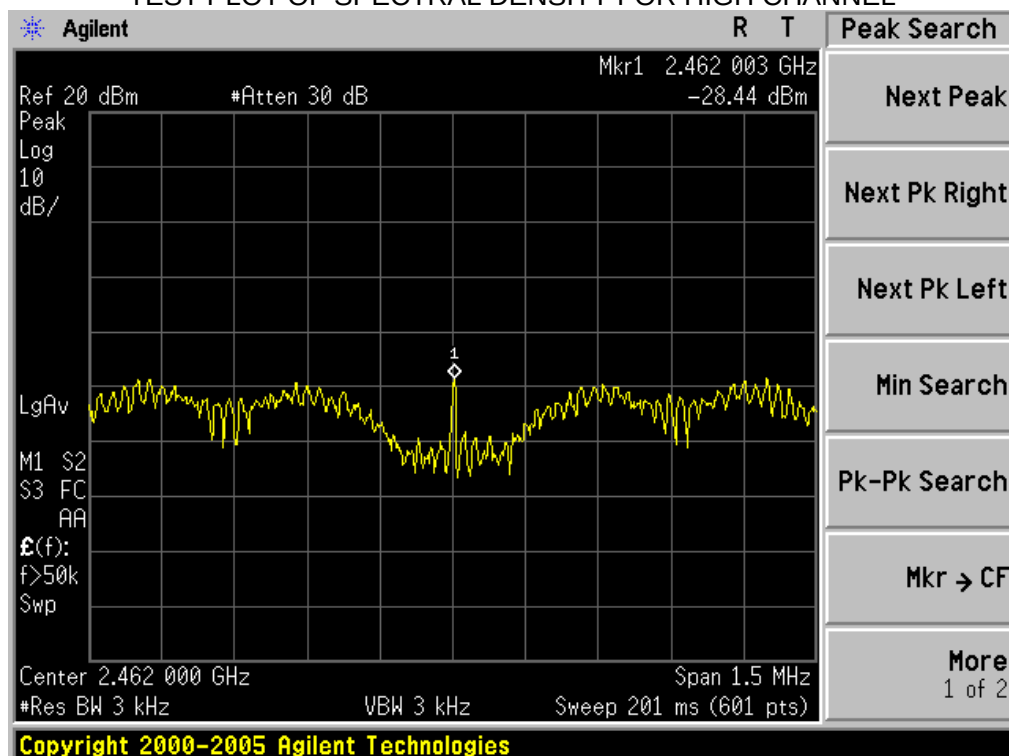
#### TEST PLOT OF SPECTRAL DENSITY FOR LOW CHANNEL



### TEST PLOT OF SPECTRAL DENSITY FOR MIDDLE CHANNEL



### TEST PLOT OF SPECTRAL DENSITY FOR HIGH CHANNEL



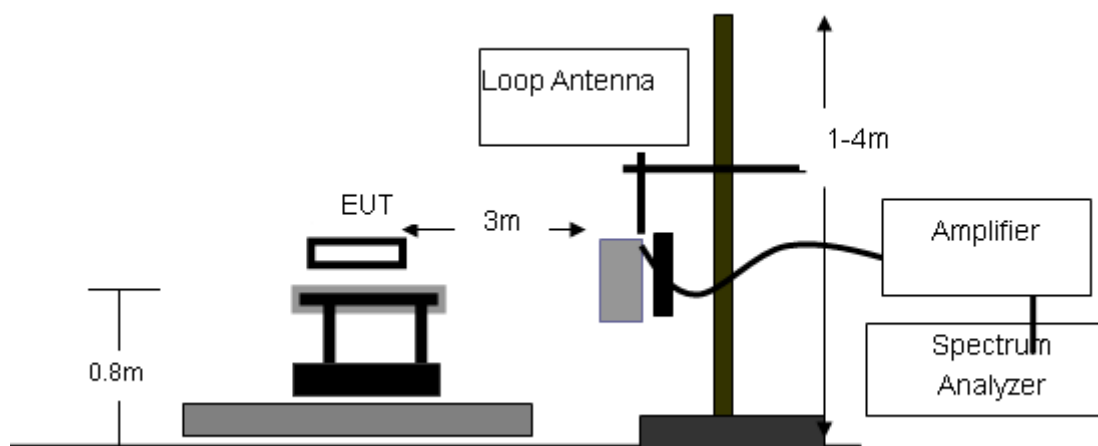
## 8. RADIATED EMISSION MEASUREMENT

### 8.1 MEASUREMENT PROCEDURE

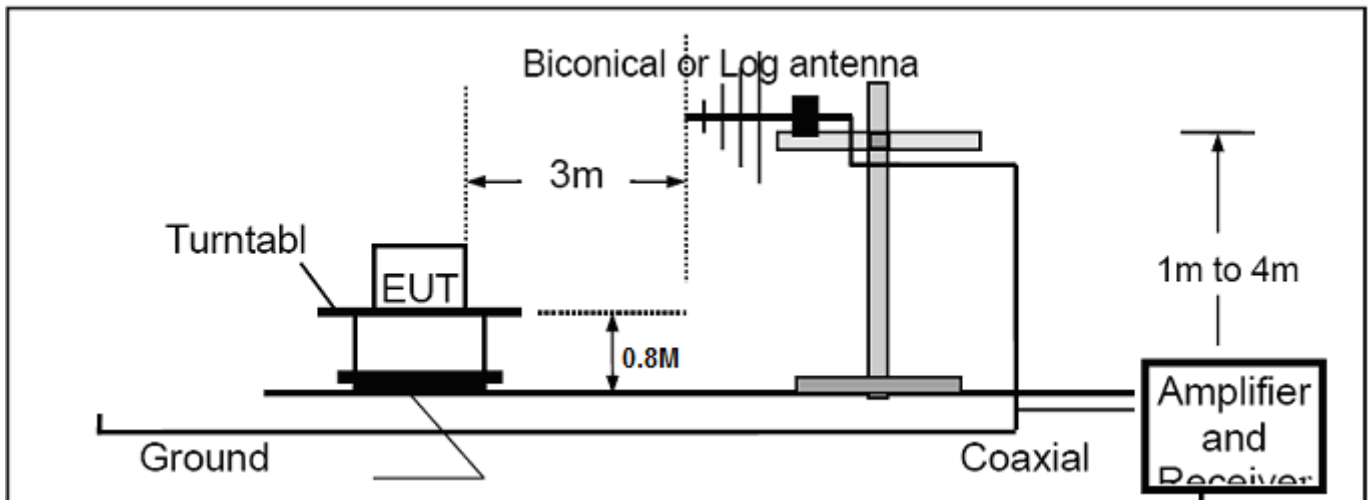
- 1 Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 Meter above ground. The phase center of the receiving antenna mounted on the top of a height-Variable antenna tower was placed 3 meters far away from the turntable.
- 2 Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine The position of the highest radiation.
- 3 The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4 For each suspected emissions, the antenna tower was scan(from 1M to 4M)and then the turntable was Rotated(from 0 degree to 360degrees) to find the maximum reading.
- 5 Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode
- 6 For emission above 1GHZ, use 1MHZ VBW and RBW for peak reading. Then 1MHZ RBW and 10Hz VBW For average reading in spectrum analyzer.
- 7 When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one Complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative(provided the transmitter operates for longer than 0.1 seconds) or in cases where the Pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 seconds interval during which the field strength is at its maximum value.
- 8 If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9 For testing above 1GHZ,the emissions level of the EUT in peak mode was lower than average limit(that Means the emissions level in peak mode also complies with the limit in average mode)then testing will be Stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average Mode again and reported.
- 10 in case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded Data should be QP measured by receiver. High-Low scan is not required in this case.

### 8.2 TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

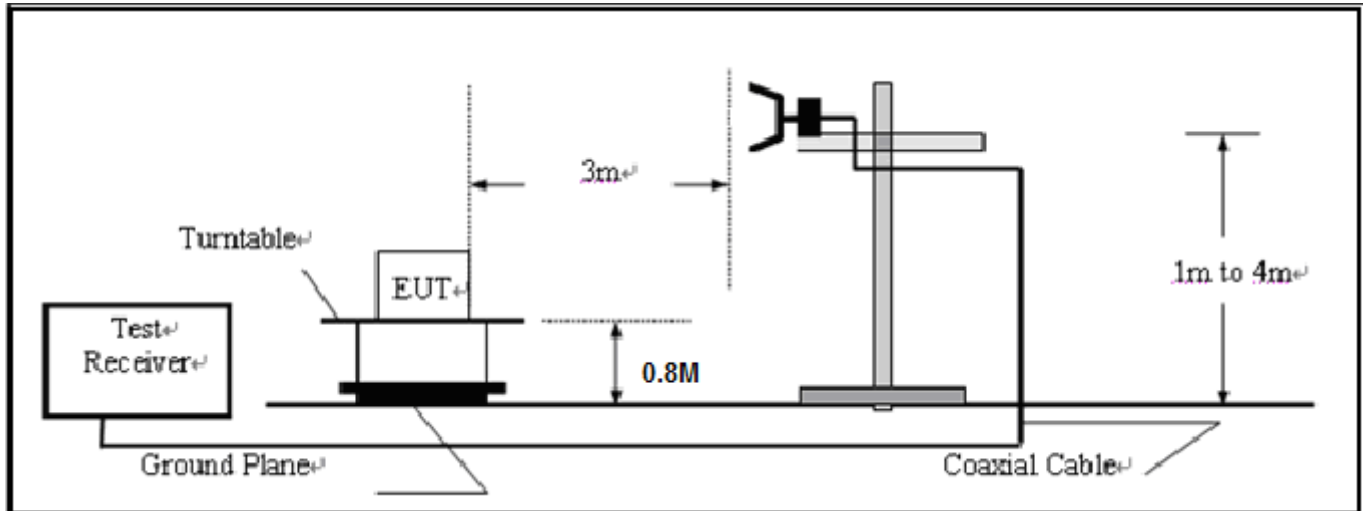
RADIATED EMISSION TEST SETUP BELOW 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



### 8.3 MEASUREMENT EQUIPMENT USED

| Description           | Manufacturer      | Model       | SERIAL NUMBER | Cal. Date  | Cal. Due   |
|-----------------------|-------------------|-------------|---------------|------------|------------|
| Spectrum Analyzer     | Agilent           | E4440A      | N/A           | 06/27/2011 | 06/26/2012 |
| Amplifier             | EM                | EM30180     | 0607030       | 06/27/2011 | 06/26/2012 |
| Horn Antenna          | EM                | EM-AH-10180 | N/A           | 06/27/2011 | 06/26/2012 |
| Horn Antenna          | A.H. Systems Inc. | SAS-574     | --            | 06/27/2011 | 06/26/2012 |
| EMI Test Receiver     | Rohde & Schwarz   | ESCI        | N/A           | 06/27/2011 | 06/26/2012 |
| Amplifier             | EM                | EM30180     | N/A           | 06/27/2011 | 06/26/2012 |
| Biological Antenna    | A.H. Systems Inc. | SAS-521-4   | N/A           | 06/27/2011 | 06/26/2012 |
| Loop Antenna          | A.H.              | SAS-526B    | 264           | 06/27/2011 | 06/26/2012 |
| Isolation Transformer | LETEAC            | LTBK        | --            | 06/27/2011 | 06/26/2012 |

#### 8.4 LIMITS AND MEASUREMENT RESULT

15.209(a) Limit in the below table has to be followed

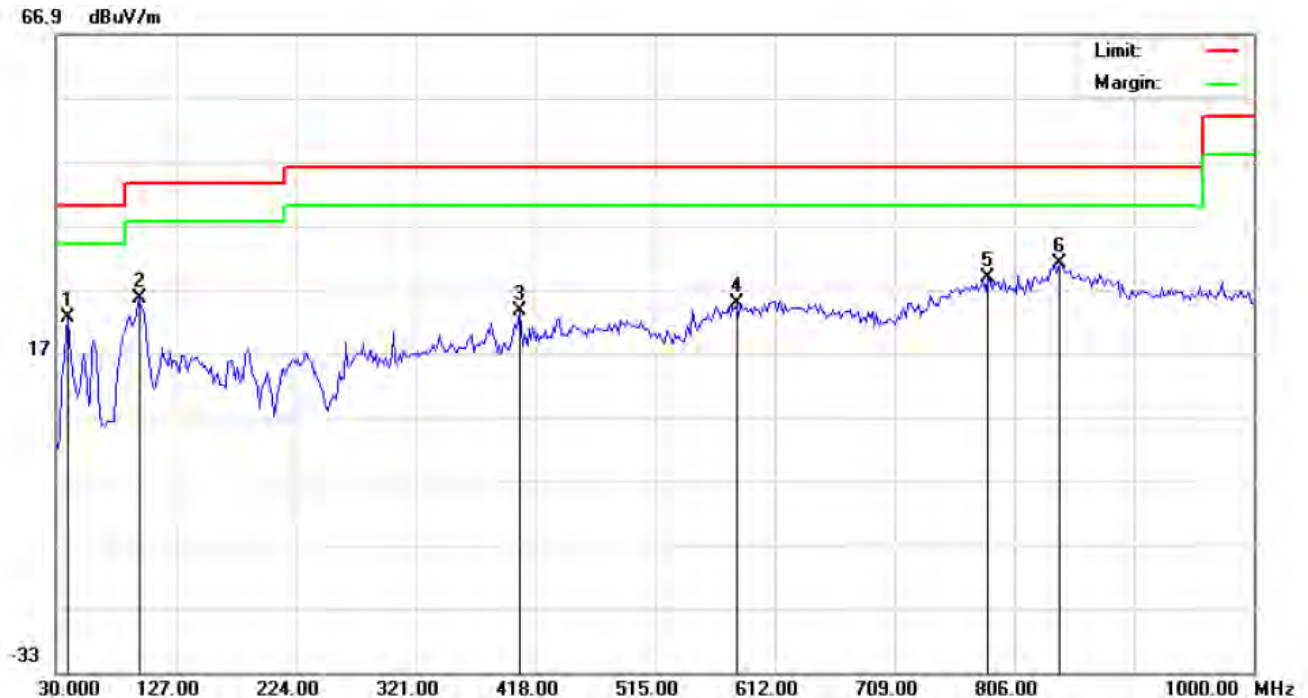
| Frequencies<br>(MHz) | Field Strength<br>(micorvolts/meter) | Measurement Distance<br>(meters) |
|----------------------|--------------------------------------|----------------------------------|
| 0.009~0.490          | 2400/F(KHz)                          | 300                              |
| 0.490~1.705          | 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: All modes were tested For restricted band radiated emission,  
the test records reported below are the worst result compared to other modes.

### RADIATED EMISSION BELOW 30MHZ

No emission found between lowest internal used/generated frequency to 30MHz.

### RADIATED EMISSION BELOW 1GHZ

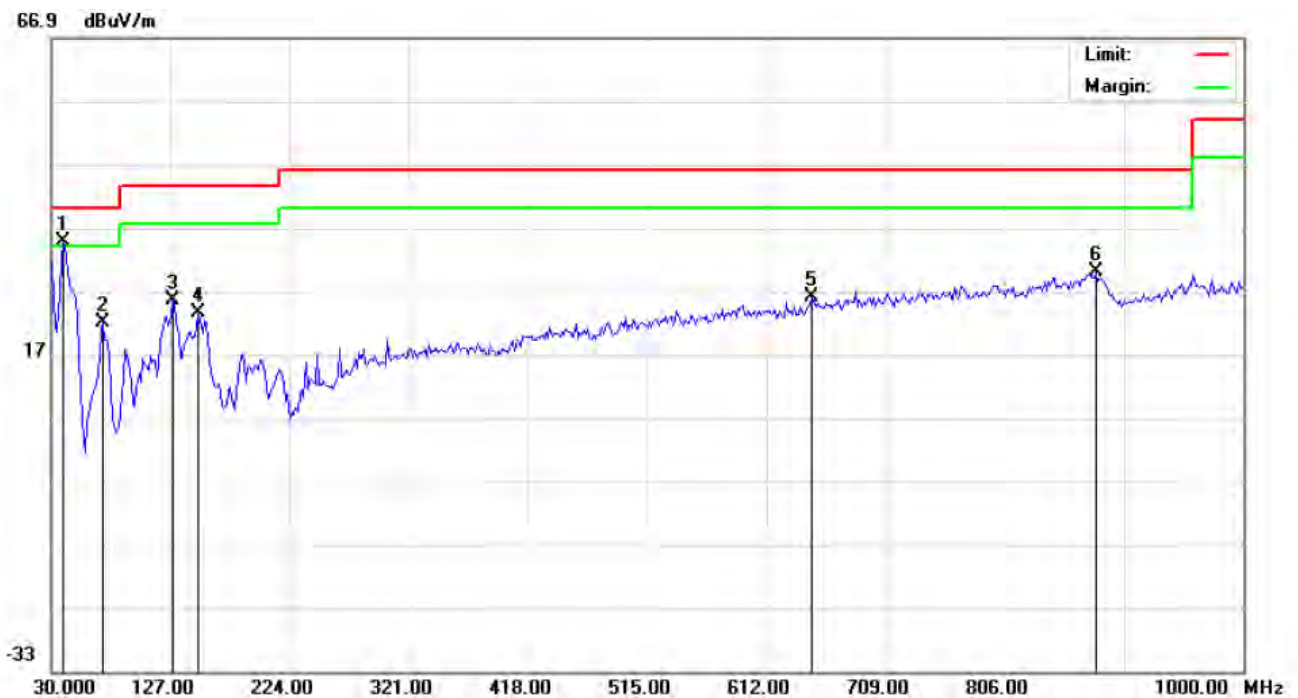


Site: site #1  
Limit: FCC Class B 3M Radiation  
EUT: GSM/WCDMA mobile phone/Smart phone  
M/N: QS-G3UCT1BK  
Mode: 802.11b-CH1-rate 5.5  
Note:

Polarization: **Horizontal**  
Power: AC 120V/60Hz  
Distance:

Temperature: 26  
Humidity: 60 %

| No. | Mk | Freq.    | Reading | Factor | Measurement | Limit  | Over   | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
|     |    | MHz      | dBuV    | dB/m   | dBuV/m      | dBuV/m | dB     |          | cm             | degree       |         |
| 1   |    | 39.7000  | 14.64   | 7.98   | 22.62       | 40.00  | -17.38 | peak     |                |              |         |
| 2   |    | 97.9000  | 12.24   | 13.24  | 25.48       | 43.50  | -18.02 | peak     |                |              |         |
| 3   |    | 405.0667 | 6.42    | 17.00  | 23.42       | 46.00  | -22.58 | peak     |                |              |         |
| 4   |    | 581.2833 | 0.10    | 24.68  | 24.78       | 46.00  | -21.22 | peak     |                |              |         |
| 5   |    | 784.9833 | 0.73    | 28.11  | 28.84       | 46.00  | -17.16 | peak     |                |              |         |
| 6   | *  | 843.1833 | -0.05   | 30.99  | 30.94       | 46.00  | -15.06 | peak     |                |              |         |

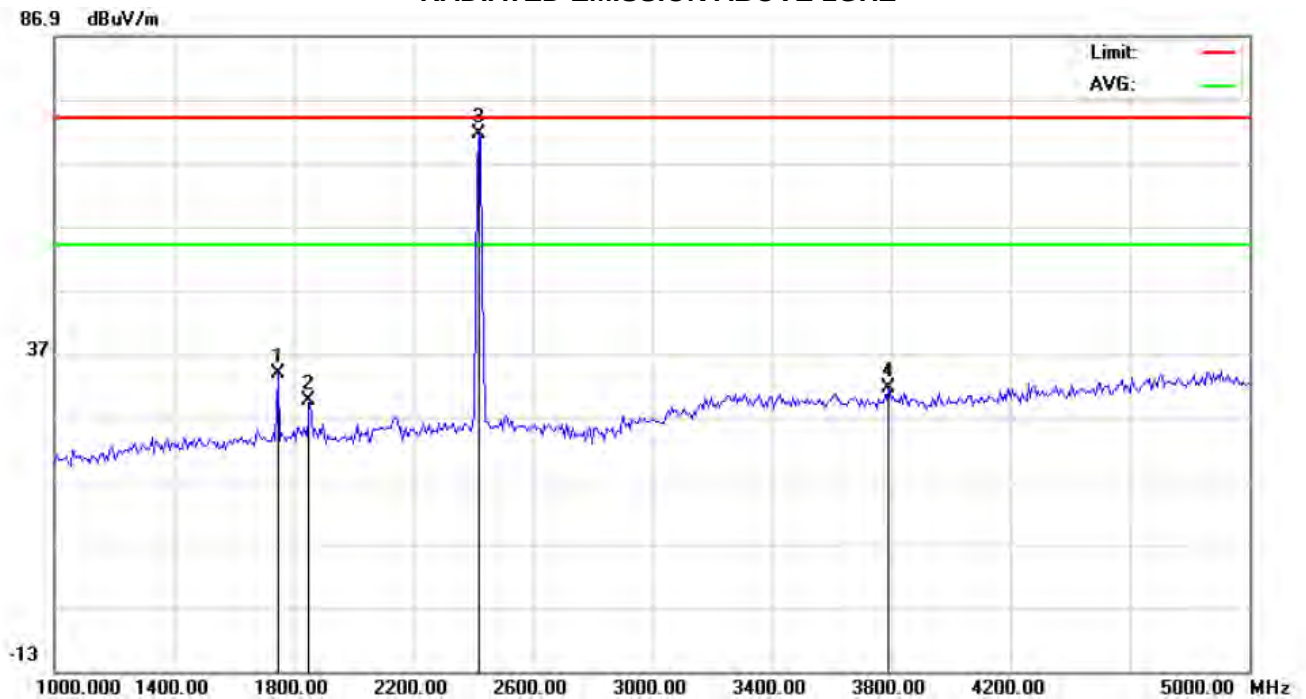


Site: site #1 Polarization: Vertical Temperature: 26  
Limit: FCC Class B 3M Radiation Power: AC 120V/60Hz Humidity: 60 %  
EUT: GSM/WCDMA mobile phone/Smart phone Distance:  
M/N: QS-G3UCT1BK  
Mode: 802.11b-CH1-rate 5.5  
Note:

| No. | Mk | Freq.    | Reading | Factor | Measurement | Limit  | Over   | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
|     |    | MHz      | dBuV    | dB/m   | dBuV/m      | dBuV/m | dB     |          | cm             | degree       |         |
| 1   | *  | 39.7000  | 28.87   | 5.88   | 34.75       | 40.00  | -5.25  | peak     |                |              |         |
| 2   |    | 72.0333  | 17.17   | 4.84   | 22.01       | 40.00  | -17.99 | peak     |                |              |         |
| 3   |    | 128.6167 | 15.60   | 9.81   | 25.41       | 43.50  | -18.09 | peak     |                |              |         |
| 4   |    | 149.6333 | 4.58    | 18.90  | 23.48       | 43.50  | -20.02 | peak     |                |              |         |
| 5   |    | 649.1833 | 0.74    | 25.24  | 25.98       | 46.00  | -20.02 | peak     |                |              |         |
| 6   |    | 880.3667 | -0.34   | 30.35  | 30.01       | 46.00  | -15.99 | peak     |                |              |         |

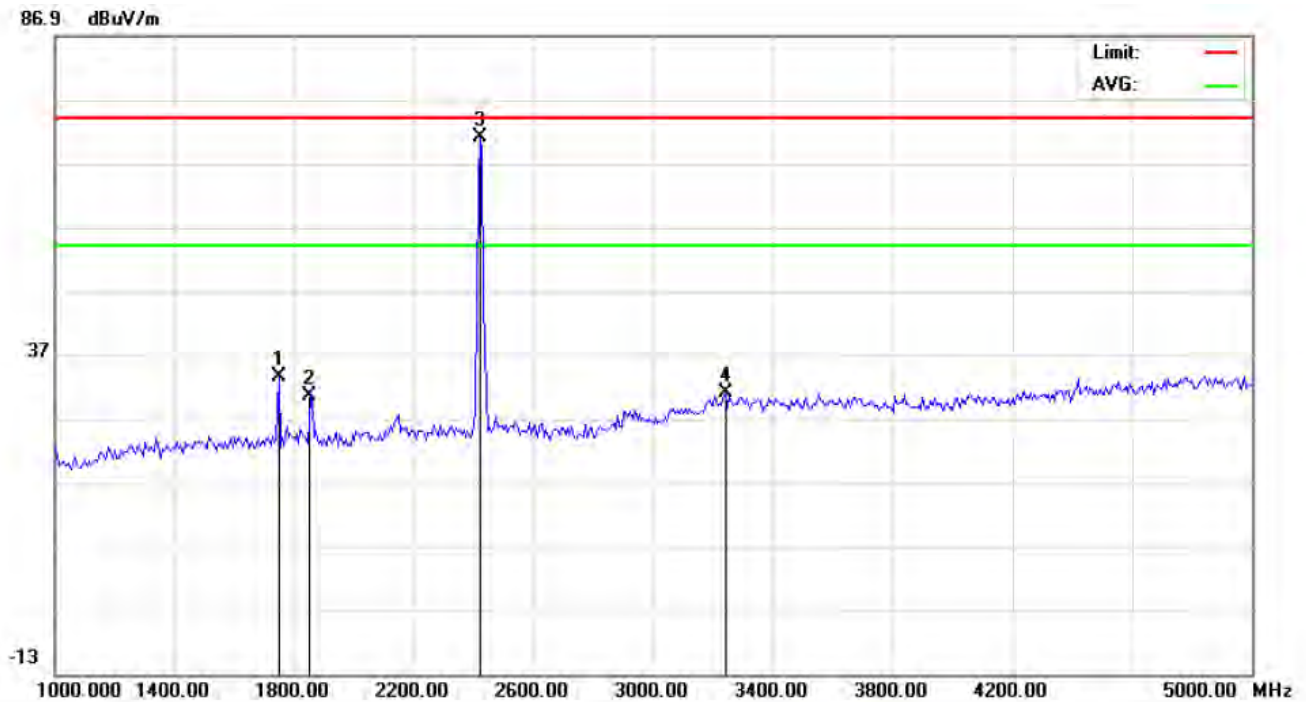
**Note:** Measurement= Reading + Factor, Over=Measure-Limit.

### RADIATED EMISSION ABOVE 1GHZ



Site: site #1 Polarization: **Horizontal** Temperature: 26  
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: AC 120V/60Hz Humidity: 60 %  
EUT: GSM/WCDMA mobile phone/Smart phone Distance:  
M/N: QS-G3UCT1BK  
Mode: 802.11b-CH1-rate 5.5  
Note:

| No. | Mk | Freq.    | Reading | Factor | Measurement | Limit  | Over   | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
|     |    | MHz      | dBuV    | dB/m   | dBuV/m      | dBuV/m | dB     |          | cm             | degree       |         |
| 1   |    | 1746.667 | 43.98   | -10.25 | 33.73       | 74.00  | -40.27 | peak     |                |              |         |
| 2   |    | 1853.333 | 39.57   | -10.14 | 29.43       | 74.00  | -44.57 | peak     |                |              |         |
| 3   | *  | 2420.000 | 79.96   | -8.32  | 71.64       | 74.00  | -2.36  | peak     |                |              |         |
| 4   |    | 3793.333 | 38.75   | -7.32  | 31.43       | 74.00  | -42.57 | peak     |                |              |         |



Site: site #1 Polarization: **Vertical** Temperature: 26  
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: AC 120V/60Hz Humidity: 60 %  
EUT: GSM/WCDMA mobile phone/Smart phone Distance:  
M/N: QS-G3UCT1BK  
Mode: 802.11b-CH1-rate 5.5  
Note:

| No. | Mk | Freq.    | Reading | Factor | Measurement | Limit  | Over   | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
|     |    | MHz      | dBuV    | dB/m   | dBuV/m      | dBuV/m | dB     |          | cm             | degree       |         |
| 1   |    | 1746.667 | 43.74   | -10.25 | 33.49       | 74.00  | -40.51 | peak     |                |              |         |
| 2   |    | 1853.333 | 40.76   | -10.14 | 30.62       | 74.00  | -43.38 | peak     |                |              |         |
| 3   | *  | 2420.000 | 79.30   | -8.32  | 70.98       | 74.00  | -3.02  | peak     |                |              |         |
| 4   |    | 3240.000 | 39.29   | -8.20  | 31.09       | 74.00  | -42.91 | peak     |                |              |         |

**Note:** The other modes radiation emissions have more than 20dB margin.  
Measurement= Reading + Factor, Over=Measure-Limit.  
All modes radiation emission from 5GHz to 24GHz at least have 20dB margin.

## **9. BAND EDGE EMISSION**

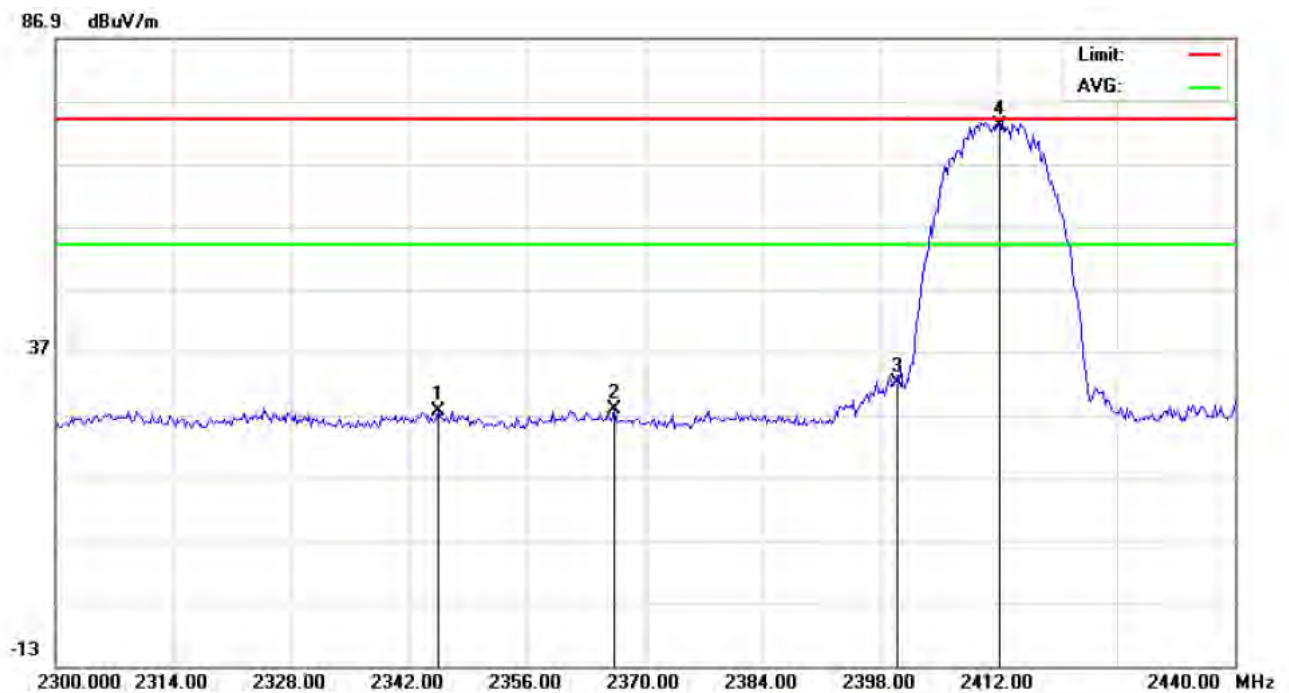
### **9.1 MEASUREMENT PROCEDURE**

- 1, Set the EUT Work on the top, the bottom operation frequency individually.
2. Set SPA Start or Stop Frequency = Operation Frequency, RBW= 1MHz, VBW= 1MHz.
3. The band edges was measured and recorded.

### **9.2 TEST SET-UP**

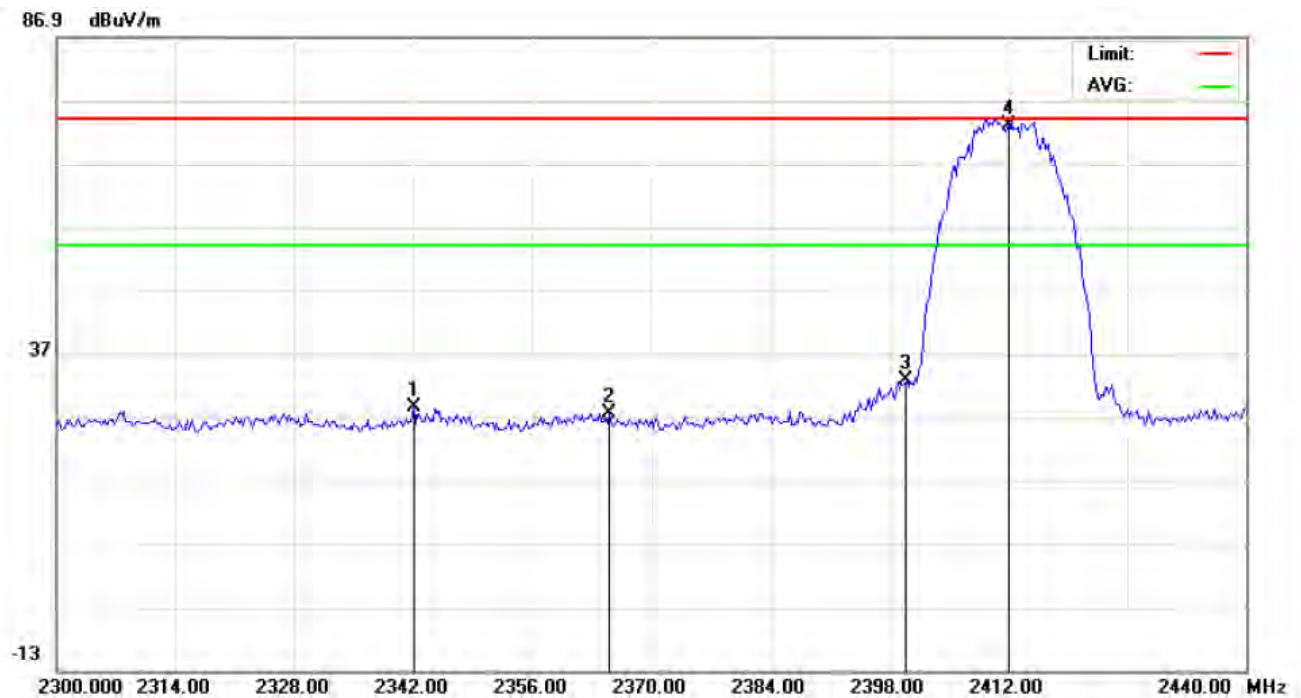
The Same as described in section 8.2

### **9.3 TEST RESULT**



Site: site #1 Polarization: **Horizontal** Temperature: 26  
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: AC 120V/60Hz Humidity: 60 %  
EUT: GSM/WCDMA mobile phone/Smart phone Distance:  
M/N: QS-G3UCT1BK  
Mode: 802.11b-CH1-rate 5.5  
Note:

| No. | Mk | Freq.    | Reading | Factor | Measurement | Limit  | Over   | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
|     |    | MHz      | dBuV    | dB/m   | dBuV/m      | dBuV/m | dB     |          | cm             | degree       |         |
| 1   |    | 2345.500 | 36.17   | -8.62  | 27.55       | 74.00  | -46.45 | peak     |                |              |         |
| 2   |    | 2366.267 | 36.23   | -8.53  | 27.70       | 74.00  | -46.30 | peak     |                |              |         |
| 3   |    | 2400.000 | 40.38   | -8.40  | 31.98       | 74.00  | -42.02 | peak     |                |              |         |
| 4   | *  | 2412.000 | 81.45   | -8.35  | 73.10       | 74.00  | -0.90  | peak     |                |              |         |



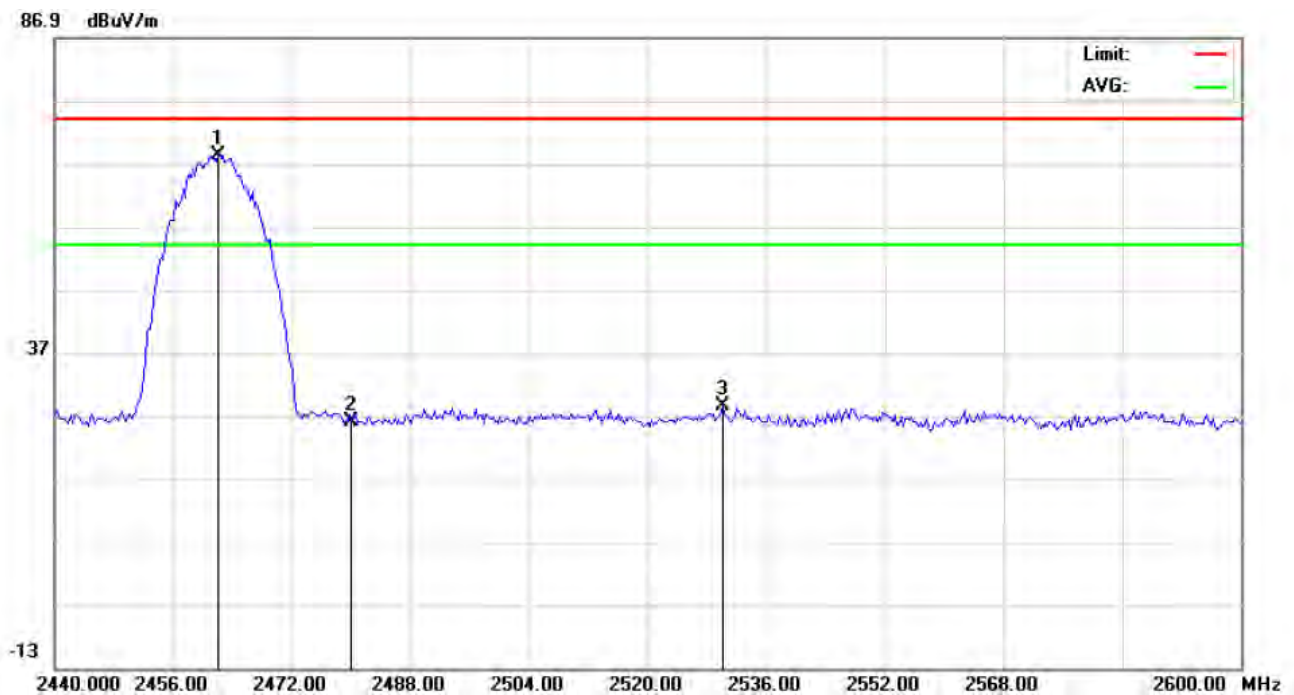
Site: site #1 Polarization: **Vertical** Temperature: 26  
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: AC 120V/60Hz Humidity: 60 %  
EUT: GSM/WCDMA mobile phone/Smart phone Distance:  
M/N: QS-G3UCT1BK  
Mode: 802.11b-CH1-rate 5.5  
Note:

| No. | Mk | Freq.    | Reading | Factor | Measurement | Limit  | Over   | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
|     |    | MHz      | dBuV    | dB/m   | dBuV/m      | dBuV/m | dB     |          | cm             | degree       |         |
| 1   |    | 2342.000 | 37.28   | -8.63  | 28.65       | 74.00  | -45.35 | peak     |                |              |         |
| 2   |    | 2365.100 | 36.10   | -8.54  | 27.56       | 74.00  | -46.44 | peak     |                |              |         |
| 3   |    | 2400.000 | 41.23   | -8.40  | 32.83       | 74.00  | -41.17 | peak     |                |              |         |
| 4   | *  | 2412.000 | 81.37   | -8.35  | 73.02       | 74.00  | -0.98  | peak     |                |              |         |



Site: site #1 Polarization: **Horizontal** Temperature: 26  
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: AC 120V/60Hz Humidity: 60 %  
EUT: GSM/WCDMA mobile phone/Smart phone Distance:  
M/N: QS-G3UCT1BK  
Mode: 802.11b-CH11-rate5.5  
Note:

| No. | Mk | Freq.    | Reading | Factor | Measurement | Limit  | Over   | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
|     |    | MHz      | dBuV    | dB/m   | dBuV/m      | dBuV/m | dB     |          | cm             | degree       |         |
| 1   | *  | 2462.000 | 75.19   | -8.15  | 67.04       | 74.00  | -6.96  | peak     |                |              |         |
| 2   |    | 2483.500 | 34.48   | -8.07  | 26.41       | 74.00  | -47.59 | peak     |                |              |         |
| 3   |    | 2514.133 | 36.31   | -8.02  | 28.29       | 74.00  | -45.71 | peak     |                |              |         |



Site: site #1

Polarization: **Vertical**

Temperature: 26

Limit: FCC Class B 3M Radiation above 1GHZ(PK)

Power: AC 120V/60Hz

Humidity: 60 %

EUT: GSM/WCDMA mobile phone/Smart phone

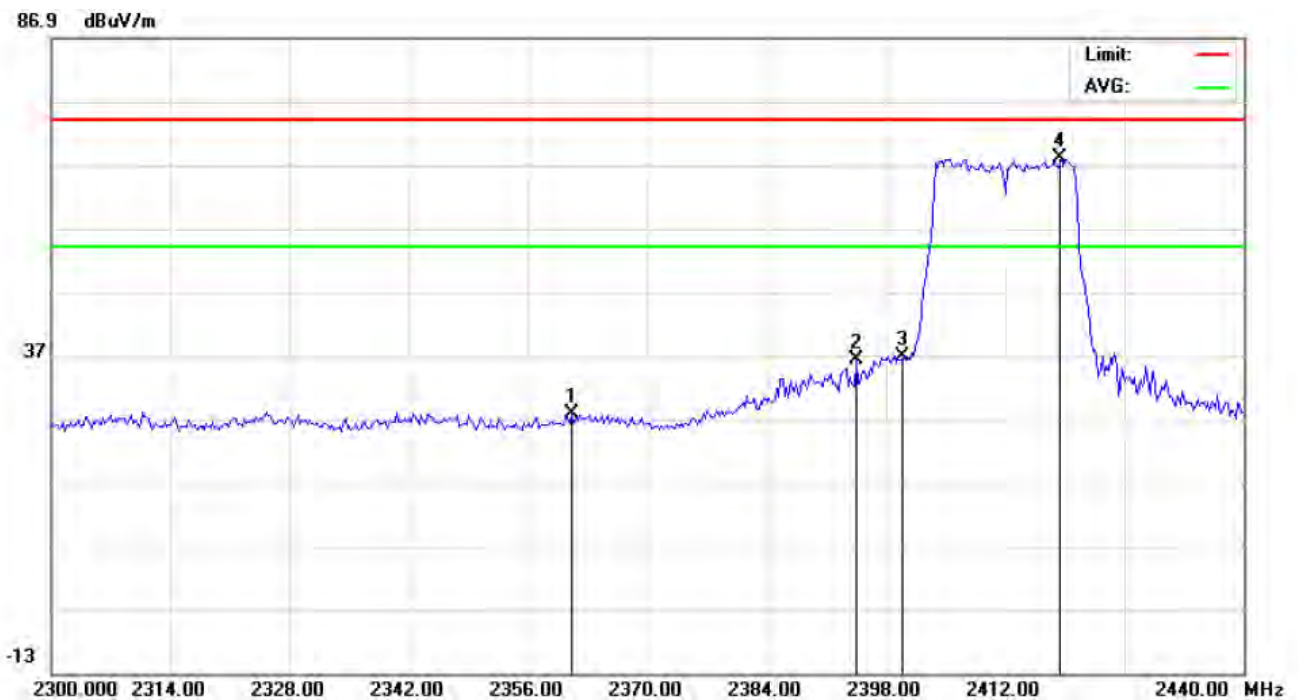
Distance:

M/N: QS-G3UCT1BK

Mode: 802.11b-CH1-rate5.5

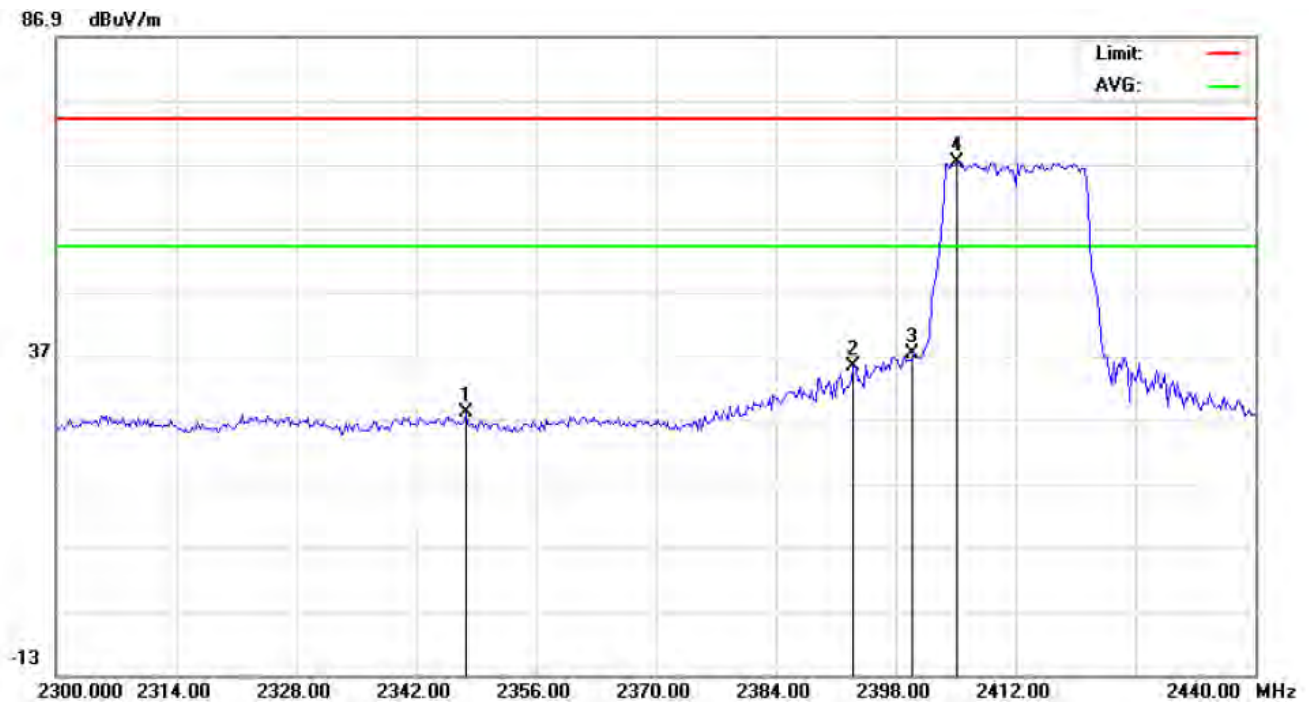
Note:

| No. | Mk | Freq.    | Reading | Factor | Measurement | Limit  | Over   | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
|     |    | MHz      | dBuV    | dB/m   | dBuV/m      | dBuV/m | dB     |          | cm             | degree       |         |
| 1   | *  | 2462.000 | 76.47   | -8.15  | 68.32       | 74.00  | -5.68  | peak     |                |              |         |
| 2   |    | 2480.000 | 34.00   | -8.08  | 25.92       | 74.00  | -48.08 | peak     |                |              |         |
| 3   |    | 2530.133 | 36.53   | -8.05  | 28.48       | 74.00  | -45.52 | peak     |                |              |         |



Site: site #1 Polarization: **Horizontal** Temperature: 26  
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: AC 120V/60Hz Humidity: 60 %  
EUT: GSM/WCDMA mobile phone/Smart phone Distance:  
M/N: QS-G3UCT1BK  
Mode: 802.11n(20)-CH1-rate6.5  
Note:

| No. | Mk | Freq.    | Reading | Factor | Measurement | Limit  | Over   | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
|     |    | MHz      | dBuV    | dB/m   | dBuV/m      | dBuV/m | dB     |          | cm             | degree       |         |
| 1   |    | 2361.133 | 36.31   | -8.56  | 27.75       | 74.00  | -46.25 | peak     |                |              |         |
| 2   |    | 2394.500 | 44.59   | -8.42  | 36.17       | 74.00  | -37.83 | peak     |                |              |         |
| 3   |    | 2400.000 | 45.19   | -8.40  | 36.79       | 74.00  | -37.21 | peak     |                |              |         |
| 4   | *  | 2418.533 | 76.34   | -8.33  | 68.01       | 74.00  | -5.99  | peak     |                |              |         |



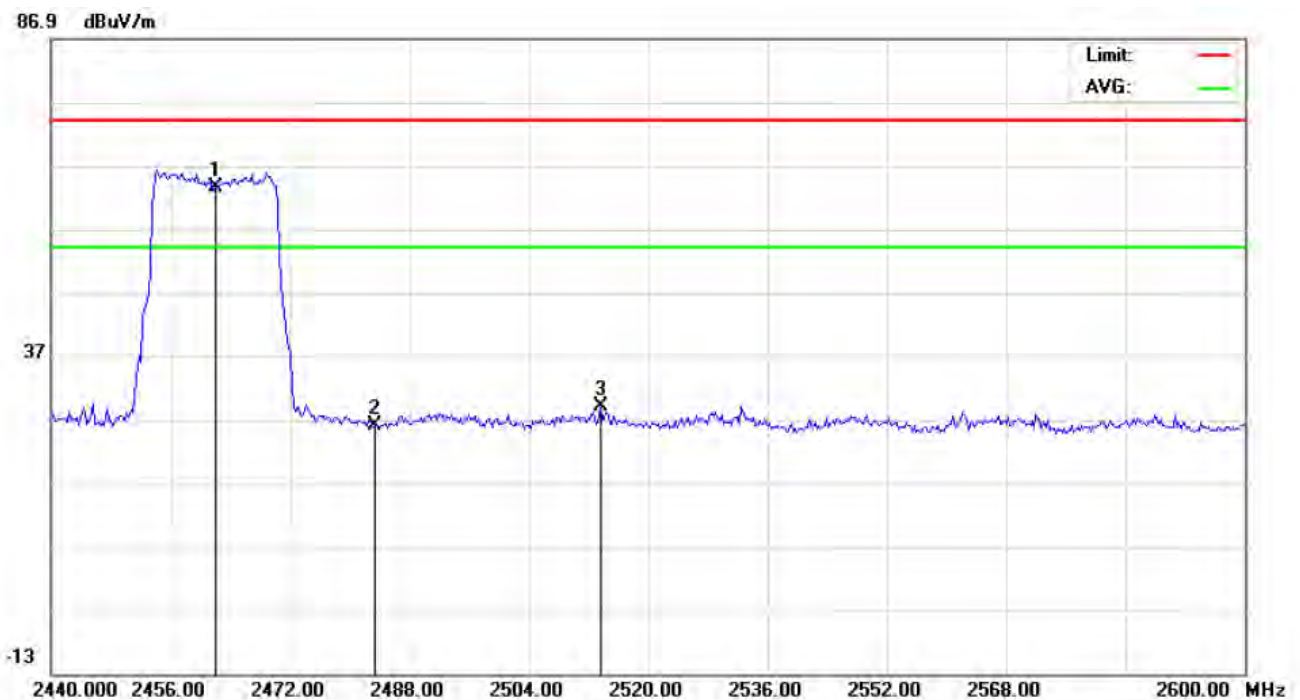
Site: site #1 Polarization: **Vertical** Temperature: 26  
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: AC 120V/60Hz Humidity: 60 %  
EUT: GSM/WCDMA mobile phone/Smart phone Distance:  
M/N: QS-G3UCT1BK  
Mode: 802.11n(20)-CH1-rate6.5  
Note:

| No. | Mk | Freq.    | Reading | Factor | Measurement | Limit  | Over   | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
|     |    | MHz      | dBuV    | dB/m   | dBuV/m      | dBuV/m | dB     |          | cm             | degree       |         |
| 1   |    | 2347.833 | 36.69   | -8.61  | 28.08       | 74.00  | -45.92 | peak     |                |              |         |
| 2   |    | 2393.100 | 43.63   | -8.43  | 35.20       | 74.00  | -38.80 | peak     |                |              |         |
| 3   |    | 2400.000 | 45.67   | -8.40  | 37.27       | 74.00  | -36.73 | peak     |                |              |         |
| 4   | *  | 2405.233 | 75.74   | -8.38  | 67.36       | 74.00  | -6.64  | peak     |                |              |         |



Site: site #1 Polarization: **Horizontal** Temperature: 26  
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: AC 120V/60Hz Humidity: 60 %  
EUT: GSM/WCDMA mobile phone/Smart phone Distance:  
M/N: QS-G3UCT1BK  
Mode: 802.11n(20)-CH11-rate6.5  
Note:

| No. | Mk | Freq.    | Reading | Factor | Measurement | Limit  | Over   | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
|     |    | MHz      | dBuV    | dB/m   | dBuV/m      | dBuV/m | dB     |          | cm             | degree       |         |
| 1   | *  | 2462.000 | 70.77   | -8.15  | 62.62       | 74.00  | -11.38 | peak     |                |              |         |
| 2   |    | 2483.500 | 34.07   | -8.07  | 26.00       | 74.00  | -48.00 | peak     |                |              |         |
| 3   |    | 2533.333 | 35.83   | -8.05  | 27.78       | 74.00  | -46.22 | peak     |                |              |         |



Site: site #1 Polarization: **Vertical** Temperature: 26  
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: AC 120V/60Hz Humidity: 60 %  
EUT: GSM/WCDMA mobile phone/Smart phone Distance:  
M/N: QS-G3UCT1BK  
Mode: 802.11n(20)-CH11-rate6.5  
Note:

| No. | Mk | Freq.    | Reading | Factor | Measurement | Limit  | Over   | Detector | Antenna Height | Table Degree | Comment |
|-----|----|----------|---------|--------|-------------|--------|--------|----------|----------------|--------------|---------|
|     |    | MHz      | dBuV    | dB/m   | dBuV/m      | dBuV/m | dB     |          | cm             | degree       |         |
| 1   | *  | 2462.000 | 71.74   | -8.15  | 63.59       | 74.00  | -10.41 | peak     |                |              |         |
| 2   |    | 2483.500 | 34.10   | -8.07  | 26.03       | 74.00  | -47.97 | peak     |                |              |         |
| 3   |    | 2513.600 | 36.98   | -8.02  | 28.96       | 74.00  | -45.04 | peak     |                |              |         |

**Note:** the other modes radiation emission have enough 20dB margin.  
Measurement= Reading + Factor, Over=Measure-Limit.

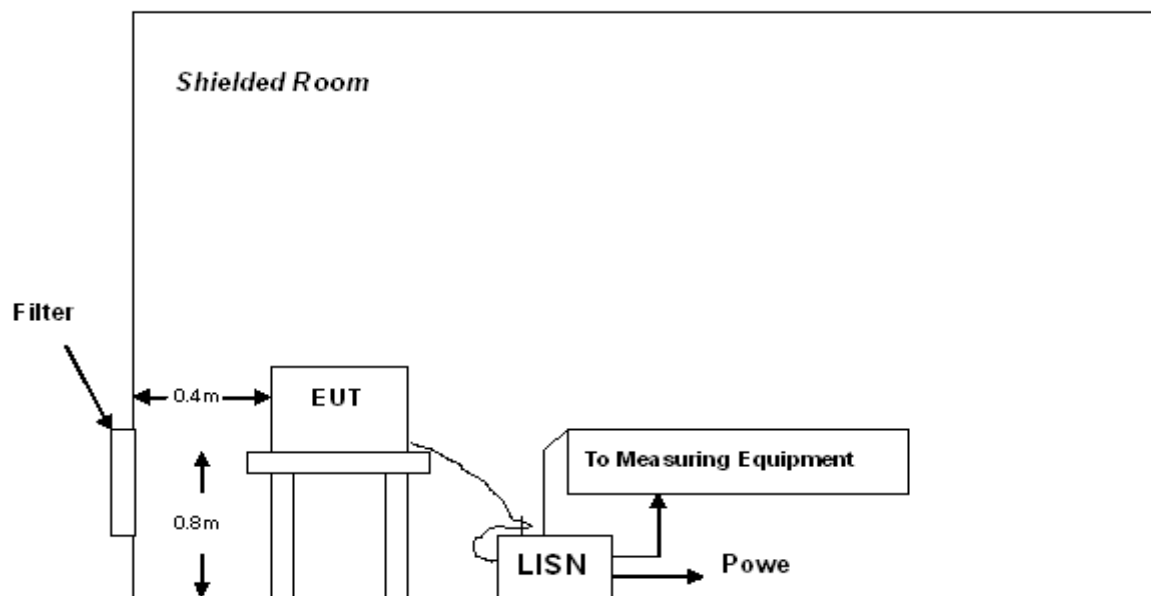
## 10. FCC LINE CONDUCTED EMISSION TEST

### 10.1 LIMITS OF LINE CONDUCTED EMISSION TEST

| Frequency     | Maximum RF Line Voltage |                |
|---------------|-------------------------|----------------|
|               | Q.P.( dBuV)             | Average( dBuV) |
| 150kHz~500kHz | 66-56                   | 56-46          |
| 500kHz~5MHz   | 56                      | 46             |
| 5MHz~30MHz    | 60                      | 50             |

\*\*Note: 1. The lower limit shall apply at the transition frequency.  
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz

### 10.2 BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



A: Powered through filter

### **10.3 PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST**

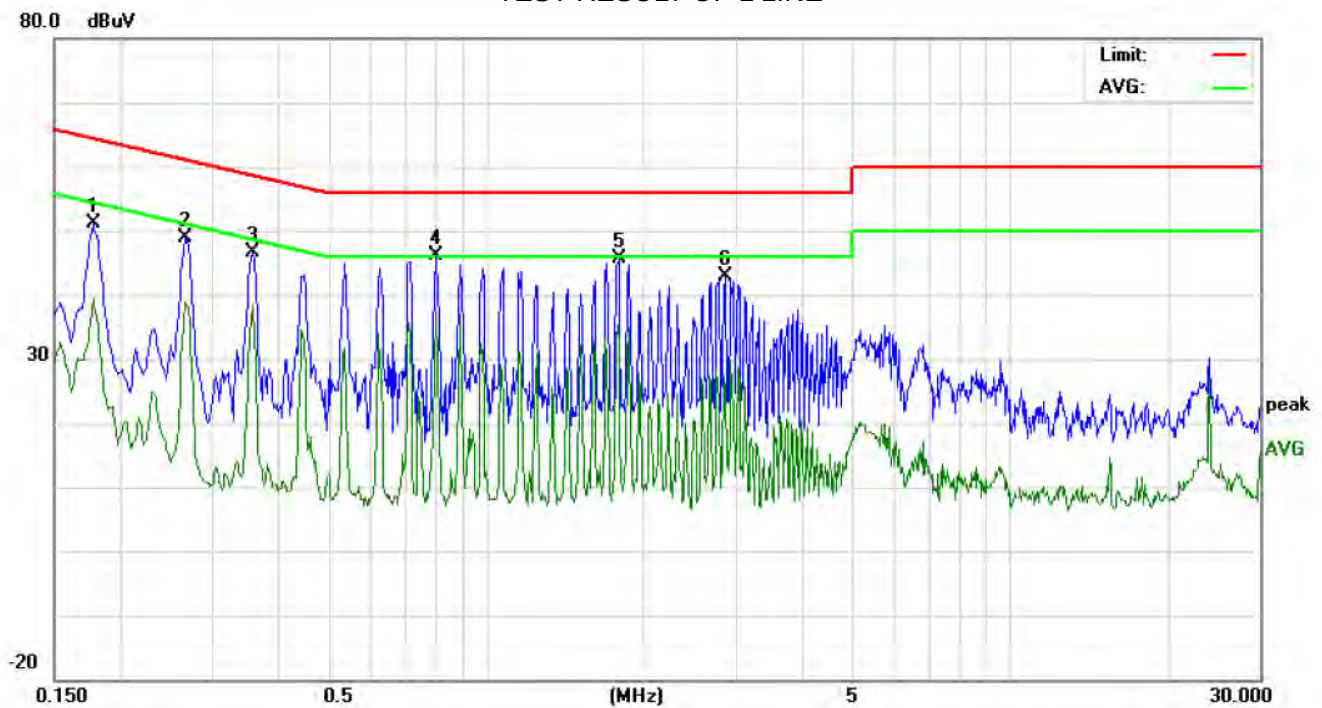
- 1) The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- 2) Support equipment, if needed, was placed as per ANSI C63.4.
- 3) All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- 4) All support equipments received AC120V power from a LISN, if any.
- 5) The EUT received DC 5V power by adapter which received 120V/60Hz power from a LISN.
- 6) The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7) Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- 8) During the above scans, the emissions were maximized by cable manipulation.
- 9) All test mode(s) were scanned during the preliminary test.

### **10.4 FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST**

- 1) EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
- 2) A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less -2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
- 3) The test data of the worst case condition(s) was reported on the Summary Data page.

## 10.5 TEST RESULT OF LINE CONDUCTED EMISSION TEST

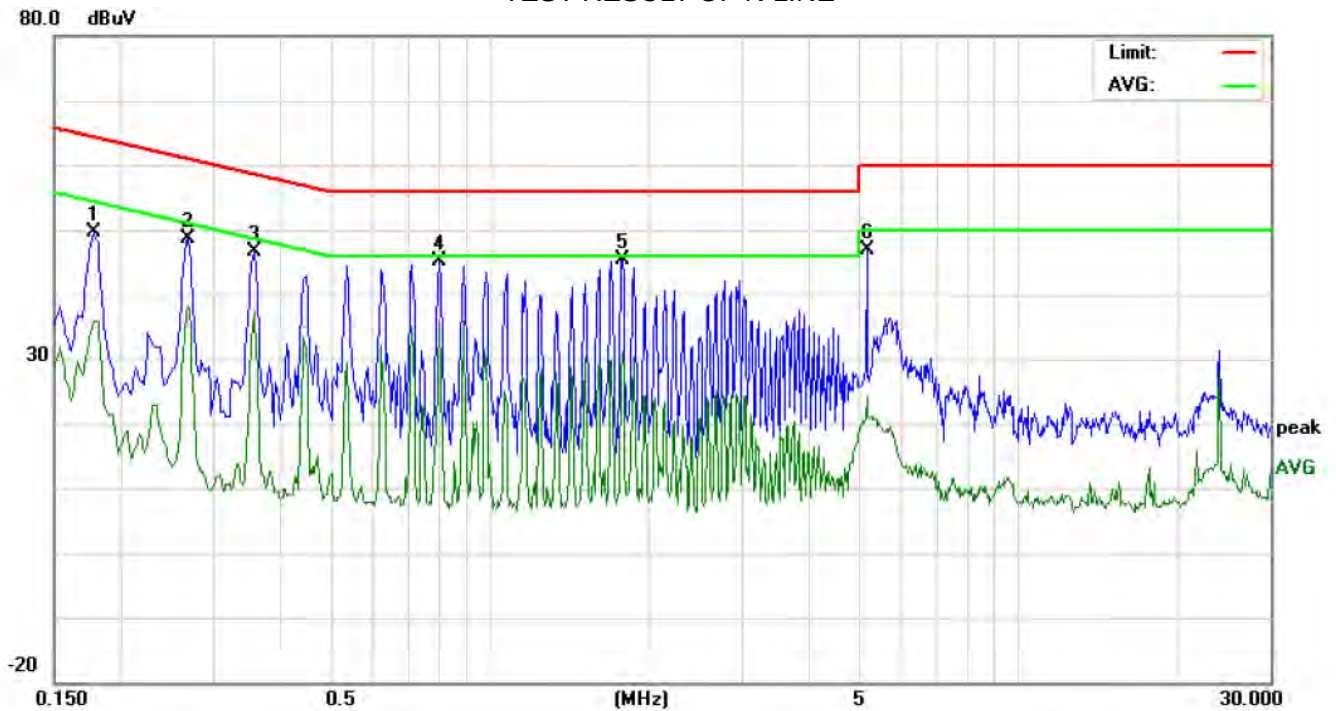
### TEST RESULT OF L LINE



Site: Conduction Phase: **L1** Temperature: 26  
Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 60 %  
EUT: GSM/WCDMA mobile phone/Smart phone(Fusion)  
M/N: QS-G3GUCT1BK  
Mode: Normal(WIFI)  
Note:

| No. | Freq.<br>(MHz) | Reading_Level<br>(dBuV) |    |       | Correct<br>Factor | Measurement<br>(dBuV) |    |       | Limit<br>(dBuV) |       | Margin<br>(dB) |        | P/F | Comment |
|-----|----------------|-------------------------|----|-------|-------------------|-----------------------|----|-------|-----------------|-------|----------------|--------|-----|---------|
|     |                | Peak                    | QP | AVG   |                   | Peak                  | QP | AVG   | QP              | AVG   | QP             | AVG    |     |         |
| 1   | 0.1779         | 40.81                   |    | 29.20 | 10.19             | 51.00                 |    | 39.39 | 64.58           | 54.58 | -13.58         | -15.19 | P   |         |
| 2   | 0.2660         | 38.63                   |    | 28.70 | 10.28             | 48.91                 |    | 38.98 | 61.24           | 51.24 | -12.33         | -12.26 | P   |         |
| 3   | 0.3578         | 36.29                   |    | 28.02 | 10.31             | 46.60                 |    | 38.33 | 58.78           | 48.78 | -12.18         | -10.45 | P   |         |
| 4   | 0.8020         | 35.75                   |    | 26.59 | 10.28             | 46.03                 |    | 36.87 | 56.00           | 46.00 | -9.97          | -9.13  | P   |         |
| 5   | 1.7940         | 35.31                   |    | 21.90 | 10.29             | 45.60                 |    | 32.19 | 56.00           | 46.00 | -10.40         | -13.81 | P   |         |
| 6   | 2.8699         | 32.43                   |    | 14.66 | 10.52             | 42.95                 |    | 25.18 | 56.00           | 46.00 | -13.05         | -20.82 | P   |         |

# TEST RESULT OF N LINE



Site: Conduction Phase: **N** Temperature: 26  
Limit: FCC Class B Conduction(QP) Power: AC 120V/60Hz Humidity: 60 %  
EUT: GSM/WCDMA mobile phone/Smart phone(Fusion)  
M/N: QS-G3GUCT1BK  
Mode: Normal(WIFI)  
Note:

| No. | Freq.<br>(MHz) | Reading_Level<br>(dBuV) |    |       | Correct<br>Factor<br>dB | Measurement<br>(dBuV) |    |       | Limit<br>(dBuV) |       | Margin<br>(dB) |        | P/F | Comment |
|-----|----------------|-------------------------|----|-------|-------------------------|-----------------------|----|-------|-----------------|-------|----------------|--------|-----|---------|
|     |                | Peak                    | QP | AVG   |                         | Peak                  | QP | AVG   | QP              | AVG   | QP             | AVG    |     |         |
| 1   | 0.1779         | 39.38                   |    | 25.79 | 10.19                   | 49.57                 |    | 35.98 | 64.58           | 54.58 | -15.01         | -18.60 | P   |         |
| 2   | 0.2700         | 38.30                   |    | 27.76 | 10.28                   | 48.58                 |    | 38.04 | 61.12           | 51.12 | -12.54         | -13.08 | P   |         |
| 3   | 0.3578         | 36.35                   |    | 27.06 | 10.31                   | 46.66                 |    | 37.37 | 58.78           | 48.78 | -12.12         | -11.41 | P   |         |
| 4   | 0.8059         | 34.87                   |    | 25.32 | 10.29                   | 45.16                 |    | 35.61 | 56.00           | 46.00 | -10.84         | -10.39 | P   |         |
| 5   | 1.7900         | 35.17                   |    | 20.76 | 10.29                   | 45.46                 |    | 31.05 | 56.00           | 46.00 | -10.54         | -14.95 | P   |         |
| 6   | 5.1897         | 36.65                   |    | 14.19 | 10.24                   | 46.89                 |    | 24.43 | 60.00           | 50.00 | -13.11         | -25.57 | P   |         |

**APPENDIX I**  
**PHOTOGRAPHS OF THE EUT**  
**TOTAL VIEW OF EUT**



**TOP VIEW OF EUT**



BOTTOM VIEW OF EUT



FRONT VIEW OF EUT



BACK VIEW OF EUT



LEFT VIEW OF EUT



RIGHT VIEW OF EUT



OPEN VIEW OF EUT-1



INTERNAL VIEW OF EUT-1



INTERNAL VIEW OF EUT-2



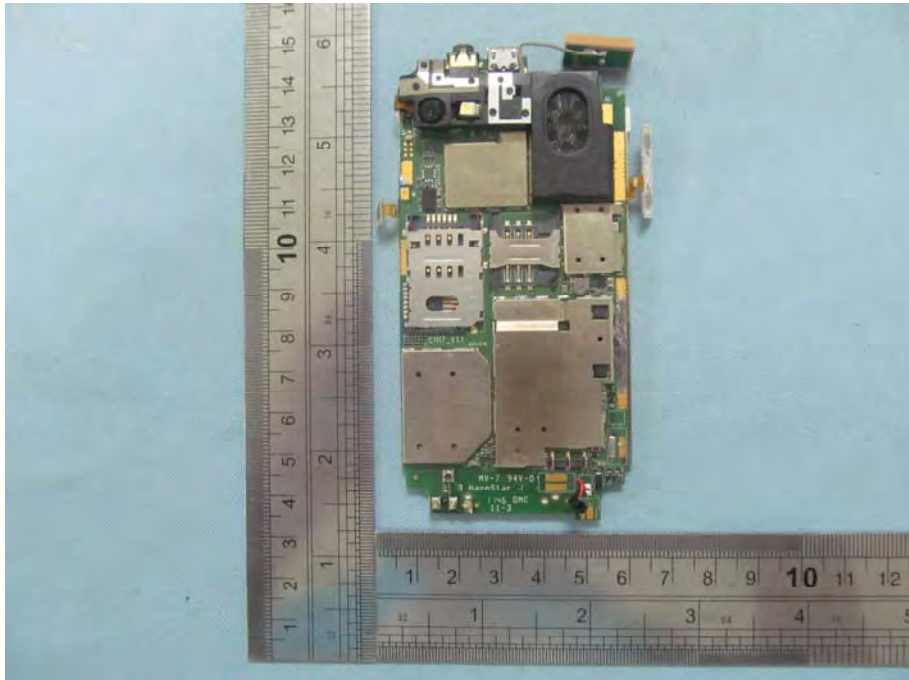
INTERNAL VIEW OF EUT-3



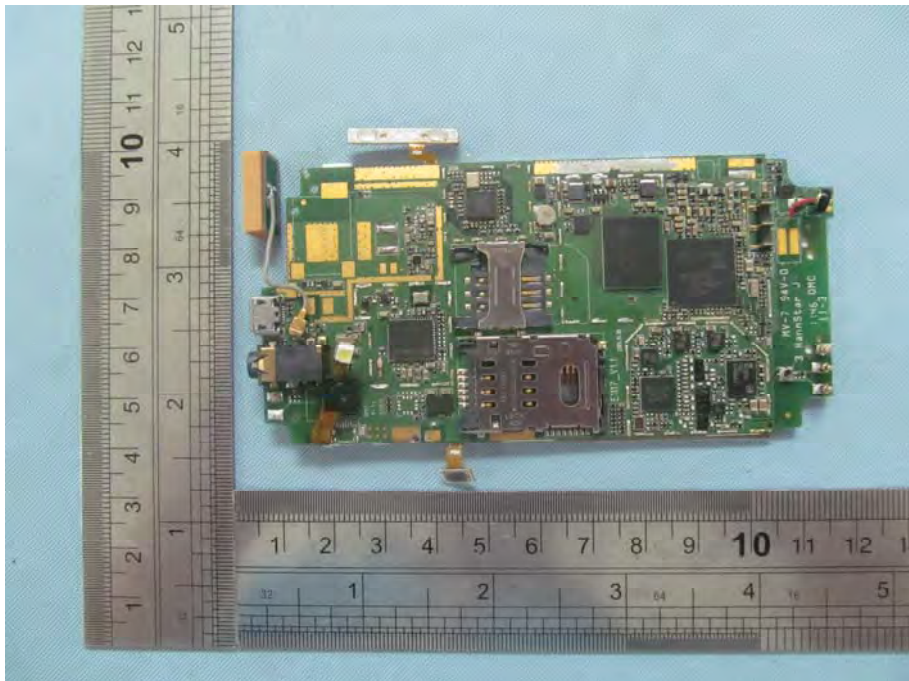
INTERNAL VIEW OF EUT-4



INTERNAL VIEW OF EUT-5



INTERNAL VIEW OF EUT-6



**APPENDIX II**  
**PHOTOGRAPHS OF THE TEST SETUP**  
**FCC LINE CONDUCTED EMISSION TEST SETUP**



**FCC RADIATED EMISSION TEST SETUP**



----END OF REPORT----