

## 6. Band Edge

### 6.1. Test Equipment

#### RF Conducted Measurement

The following test equipments are used during the band edge tests:

|   | Equipment         | Manufacturer | Model No./Serial No. | Last Cal.  |
|---|-------------------|--------------|----------------------|------------|
|   | Spectrum Analyzer | R&S          | FSP40 / 100170       | Jun, 2012  |
|   | Spectrum Analyzer | Agilent      | E4407B / US39440758  | Jun, 2012  |
| X | Spectrum Analyzer | Agilent      | N9010A / MY48030495  | Apr., 2012 |

Note:

1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with "X" are used to measure the final test results.

#### RF Radiated Measurement:

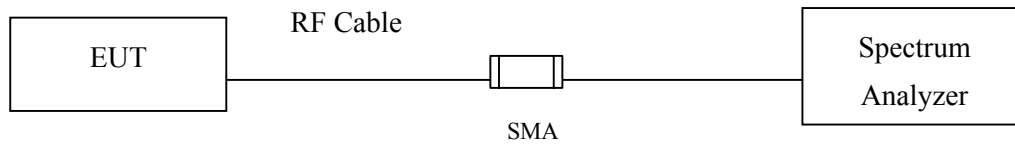
The following test equipments are used during the band edge tests:

| Test Site  |   | Equipment         | Manufacturer    | Model No./Serial No.  | Last Cal.  |
|------------|---|-------------------|-----------------|-----------------------|------------|
| ☒ Site # 3 |   | Bilog Antenna     | Schaffner Chase | CBL6112B/2673         | Sep., 2011 |
|            | X | Horn Antenna      | Schwarzbeck     | BBHA9120D/D305        | Sep., 2011 |
|            |   | Horn Antenna      | Schwarzbeck     | BBHA9170/208          | Jul., 2012 |
|            | X | Pre-Amplifier     | Agilent         | 8447D/2944A09549      | Sep., 2011 |
|            | X | Spectrum Analyzer | Agilent         | E4407B / US39440758   | May, 2012  |
|            |   | Test Receiver     | R & S           | ESCS 30/ 825442/018   | Sep., 2011 |
|            | X | Coaxial Cable     | Quietek         | QTK-CABLE/ CAB5       | Feb., 2012 |
|            | X | Controller        | Quietek         | QTK-CONTROLLER/ CTRL3 | N/A        |
|            | X | Coaxial Switch    | Anritsu         | MP59B/6200265729      | N/A        |

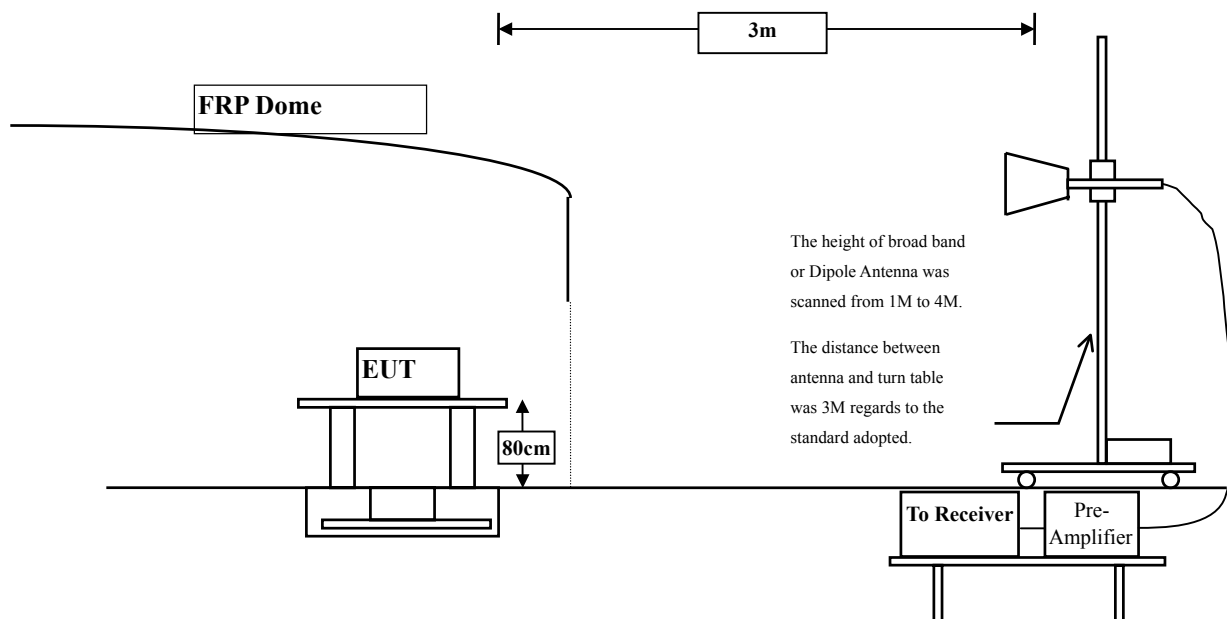
- Note:
1. All instruments are calibrated every one year.
  2. The test instruments marked by "X" are used to measure the final test results.

## 6.2. Test Setup

### RF Conducted Measurement



### RF Radiated Measurement:



## 6.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

#### **6.4. Test Procedure**

The EUT was setup according to ANSI C63.4: 2003 and tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4: 2003 on radiated measurement.

#### **6.5. Uncertainty**

± 3.9 dB above 1GHz

± 3.8 dB below 1GHz

## 6.6. Test Result of Band Edge

Product : ASUS Tablet  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11b 1Mbps)

### Fundamental Filed Strength

| Antenna Pole | Frequency [MHz] | Correction Factor [dB/m] | Reading Level [dBuV] | Emission Level [dBuV/m] | Detector |
|--------------|-----------------|--------------------------|----------------------|-------------------------|----------|
| Horizontal   | 2412            | 31.639                   | 69.98                | 101.618                 | Peak     |
| Horizontal   | 2412            | 31.639                   | 65.99                | 97.628                  | Average  |
| Vertical     | 2412            | 30.95                    | 68.29                | 99.239                  | Peak     |
| Vertical     | 2412            | 30.95                    | 64.15                | 95.099                  | Average  |

Note: 1:Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=10Hz

### Band Edge Test Data

| Antenna Pole | Test Frequency (MHz) | Fundamental (dBuV/m) | $\Delta$ (dB) | Band Edge Field Strength (dBuV/m) | Limit (dBuV/m) | Detector |
|--------------|----------------------|----------------------|---------------|-----------------------------------|----------------|----------|
| Horizontal   | 2389.1               | 101.618              | 49.07         | 52.548                            | 74.000         | Peak     |
| Horizontal   | 2385.4               | 97.628               | 56.07         | 41.558                            | 54.000         | Average  |
| Vertical     | 2389.1               | 99.239               | 49.07         | 50.169                            | 74.000         | Peak     |
| Vertical     | 2385.4               | 95.099               | 56.07         | 39.029                            | 54.000         | Average  |

Note:

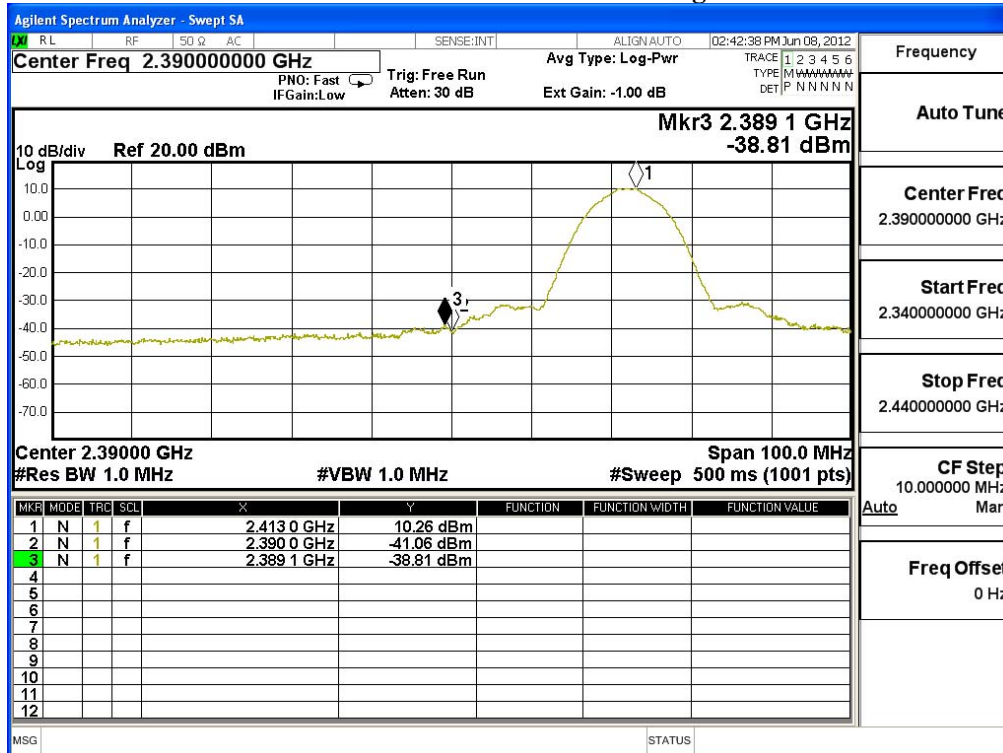
The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = F -  $\Delta$

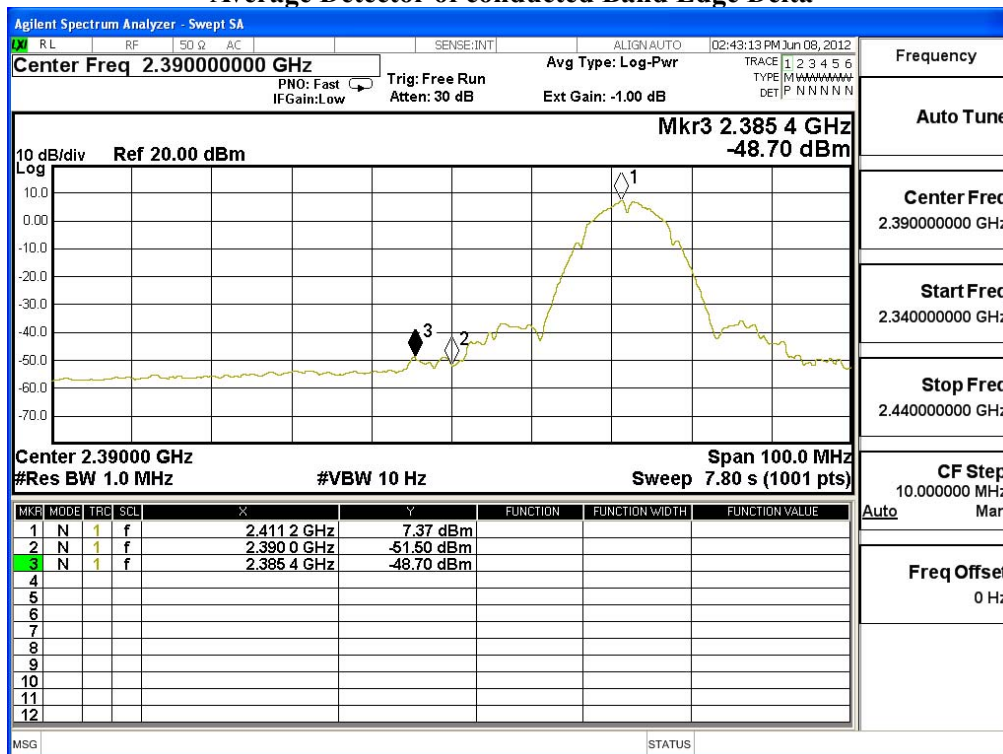
F = Fundamental field Strength (Peak or Average)

$\Delta$  = Conducted Band Edge Delta (Peak or Average)

### Peak Detector of conducted Band Edge Delta



### Average Detector of conducted Band Edge Delta



Product : ASUS Tablet  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11b 1Mbps)

#### Fundamental Filed Strength

| Antenna Pole | Frequency [MHz] | Correction Factor [dB/m] | Reading Level [dBuV] | Emission Level [dBuV/m] | Detector |
|--------------|-----------------|--------------------------|----------------------|-------------------------|----------|
| Horizontal   | 2462            | 32.019                   | 70.79                | 102.809                 | Peak     |
| Horizontal   | 2462            | 32.019                   | 67.03                | 99.049                  | Average  |
| Vertical     | 2462            | 31.29                    | 69.15                | 100.44                  | Peak     |
| Vertical     | 2462            | 31.29                    | 65.41                | 96.7                    | Average  |

Note: 1:Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=10Hz

#### Band Edge Test Data

| Antenna Pole | Test Frequency (MHz) | Fundamental (dBuV/m) | $\Delta$ (dB) | Band Edge Field Strength (dBuV/m) | Limit (dBuV/m) | Detector |
|--------------|----------------------|----------------------|---------------|-----------------------------------|----------------|----------|
| Horizontal   | 2488.5               | 102.809              | 49.7          | 53.109                            | 74.000         | Peak     |
| Horizontal   | 2487.7               | 99.049               | 58.61         | 40.439                            | 54.000         | Average  |
| Vertical     | 2488.5               | 100.44               | 49.7          | 50.74                             | 74.000         | Peak     |
| Vertical     | 2487.7               | 96.7                 | 58.61         | 38.09                             | 54.000         | Average  |

Note:

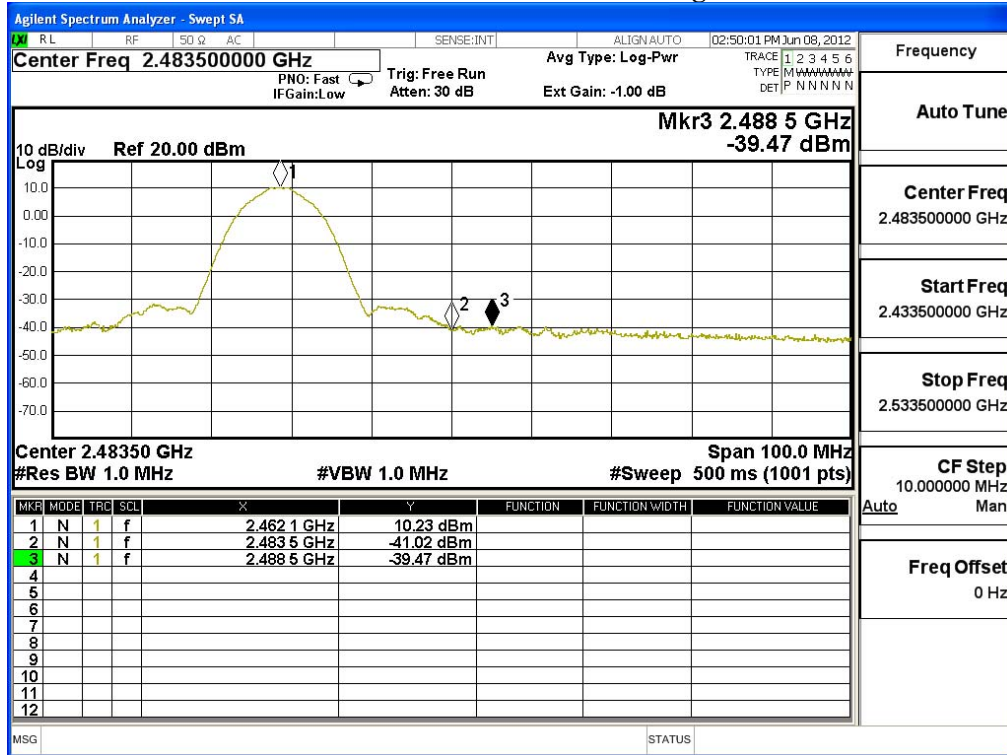
The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = F -  $\Delta$

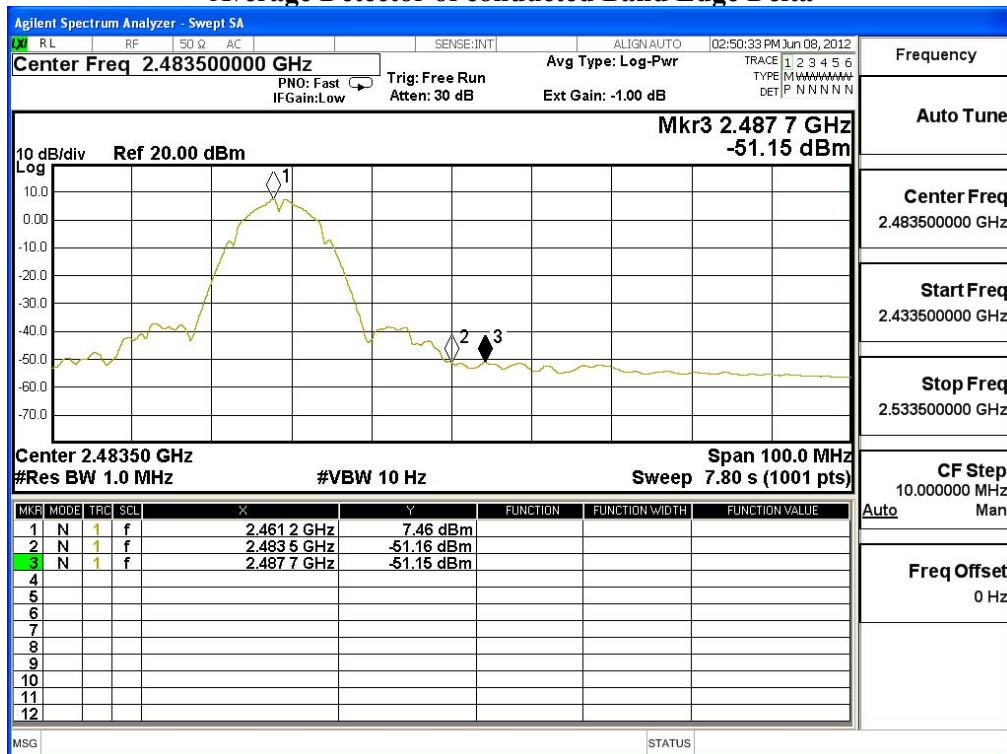
F = Fundamental field Strength (Peak or Average)

$\Delta$  = Conducted Band Edge Delta (Peak or Average)

### Peak Detector of conducted Band Edge Delta



### Average Detector of conducted Band Edge Delta



Product : ASUS Tablet  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11g 6Mbps)

#### Fundamental Filed Strength

| Antenna Pole | Frequency [MHz] | Correction Factor [dB/m] | Reading Level [dBuV] | Emission Level [dBuV/m] | Detector |
|--------------|-----------------|--------------------------|----------------------|-------------------------|----------|
| Horizontal   | 2412            | 31.639                   | 71.83                | 103.468                 | Peak     |
| Horizontal   | 2412            | 31.639                   | 57.48                | 89.118                  | Average  |
| Vertical     | 2412            | 30.95                    | 69.74                | 100.689                 | Peak     |
| Vertical     | 2412            | 30.95                    | 55.86                | 86.809                  | Average  |

Note: 1:Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=10Hz

#### Band Edge Test Data

| Antenna Pole | Test Frequency (MHz) | Fundamental (dBuV/m) | $\Delta$ (dB) | Band Edge Field Strength (dBuV/m) | Limit (dBuV/m) | Detector |
|--------------|----------------------|----------------------|---------------|-----------------------------------|----------------|----------|
| Horizontal   | 2389                 | 103.468              | 40.2          | 63.268                            | 74.000         | Peak     |
| Horizontal   | 2390                 | 89.118               | 46.47         | 42.648                            | 54.000         | Average  |
| Vertical     | 2389                 | 100.689              | 40.2          | 60.489                            | 74.000         | Peak     |
| Vertical     | 2390                 | 86.809               | 46.47         | 40.339                            | 54.000         | Average  |

Note:

The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

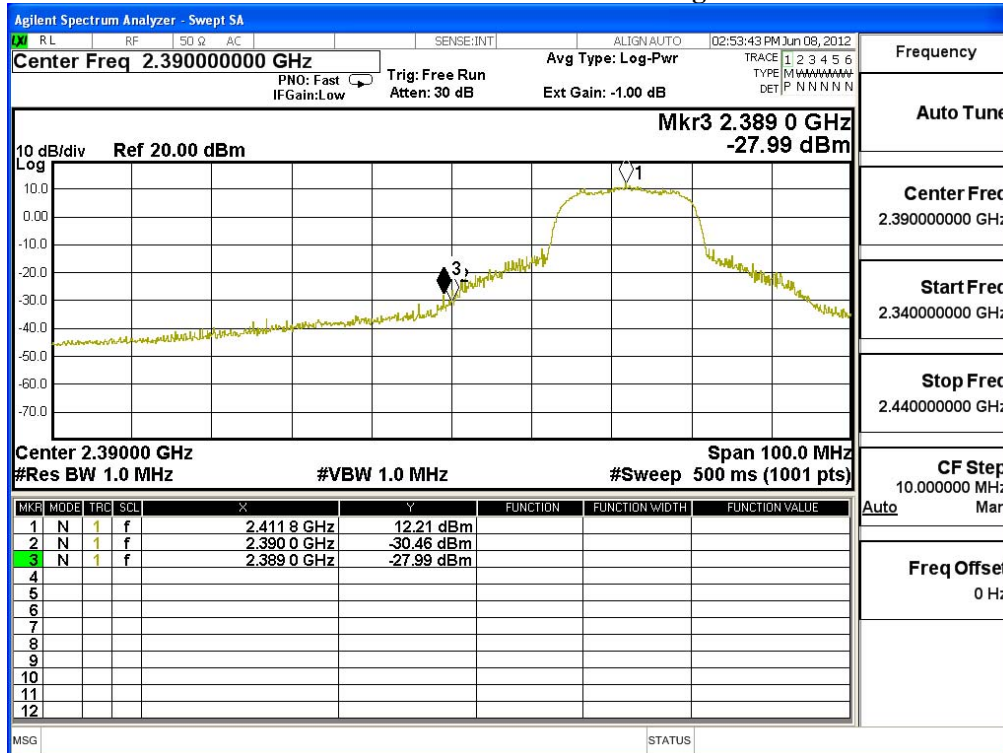
Band Edge field Strength = F -  $\Delta$

F = Fundamental field Strength (Peak or Average)

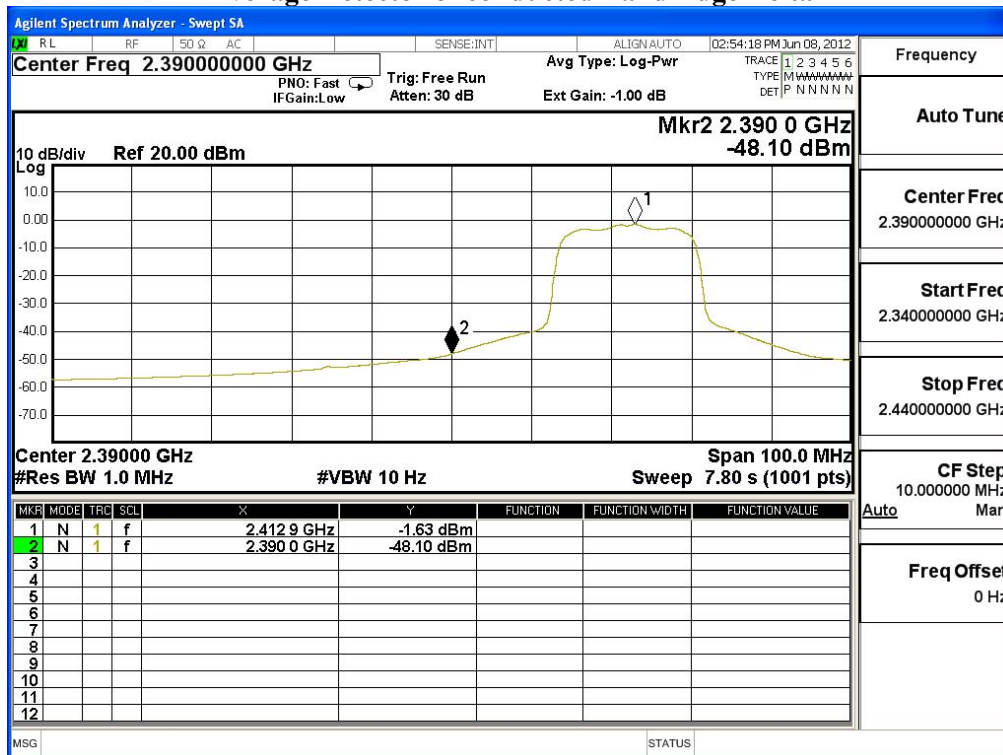
$\Delta$  = Conducted Band Edge Delta (Peak or Average)



### Peak Detector of conducted Band Edge Delta



### Average Detector of conducted Band Edge Delta



Product : ASUS Tablet  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11g 6Mbps)

#### Fundamental Filed Strength

| Antenna Pole | Frequency [MHz] | Correction Factor [dB/m] | Reading Level [dBuV] | Emission Level [dBuV/m] | Detector |
|--------------|-----------------|--------------------------|----------------------|-------------------------|----------|
| Horizontal   | 2462            | 32.019                   | 72.4                 | 104.419                 | Peak     |
| Horizontal   | 2462            | 32.019                   | 57.93                | 89.949                  | Average  |
| Vertical     | 2462            | 31.29                    | 71.01                | 102.3                   | Peak     |
| Vertical     | 2462            | 31.29                    | 56.63                | 87.92                   | Average  |

Note: 1:Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=10Hz

#### Band Edge Test Data

| Antenna Pole | Test Frequency (MHz) | Fundamental (dBuV/m) | $\Delta$ (dB) | Band Edge Field Strength (dBuV/m) | Limit (dBuV/m) | Detector |
|--------------|----------------------|----------------------|---------------|-----------------------------------|----------------|----------|
| Horizontal   | 2483.5               | 104.419              | 36.73         | 67.689                            | 74.000         | Peak     |
| Horizontal   | 2483.5               | 89.949               | 47.06         | 42.889                            | 54.000         | Average  |
| Vertical     | 2483.5               | 102.3                | 36.73         | 65.57                             | 74.000         | Peak     |
| Vertical     | 2483.5               | 87.92                | 47.06         | 40.86                             | 54.000         | Average  |

Note:

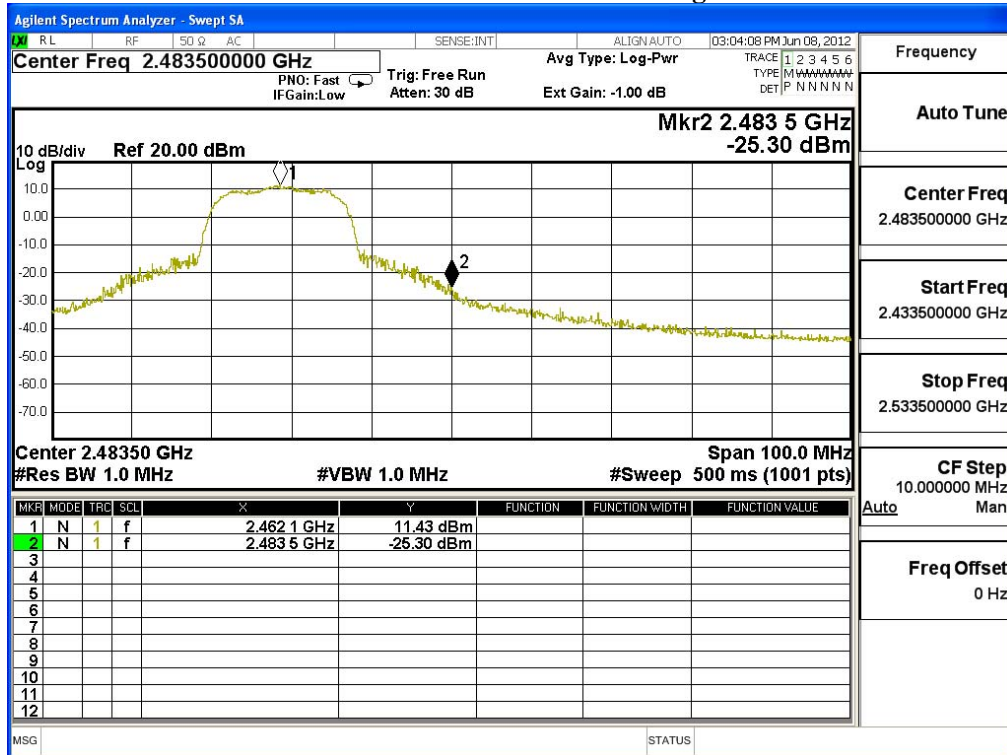
The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = F -  $\Delta$

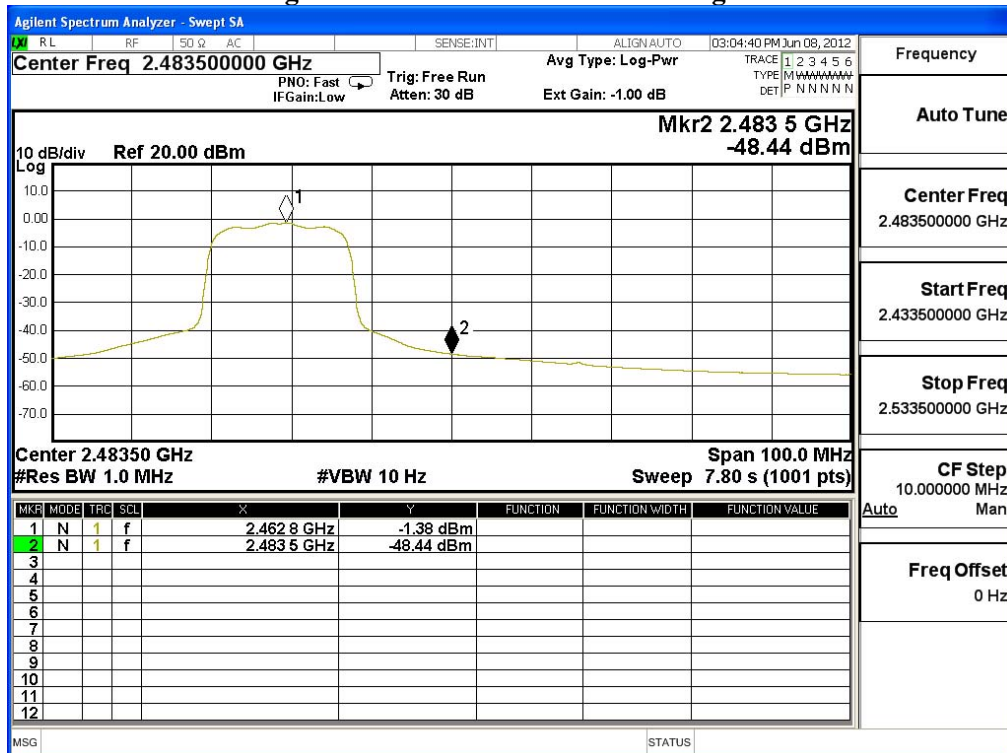
F = Fundamental field Strength (Peak or Average)

$\Delta$  = Conducted Band Edge Delta (Peak or Average)

### Peak Detector of conducted Band Edge Delta



### Average Detector of conducted Band Edge Delta



Product : ASUS Tablet  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW)

#### Fundamental Filed Strength

| Antenna Pole | Frequency [MHz] | Correction Factor [dB/m] | Reading Level [dBuV] | Emission Level [dBuV/m] | Detector |
|--------------|-----------------|--------------------------|----------------------|-------------------------|----------|
| Horizontal   | 2412            | 31.639                   | 69.77                | 101.408                 | Peak     |
| Horizontal   | 2412            | 31.639                   | 52.26                | 83.898                  | Average  |
| Vertical     | 2412            | 30.95                    | 68.65                | 99.599                  | Peak     |
| Vertical     | 2412            | 30.95                    | 50.97                | 81.919                  | Average  |

Note: 1:Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=10Hz

#### Band Edge Test Data

| Antenna Pole | Test Frequency (MHz) | Fundamental (dBuV/m) | $\Delta$ (dB) | Band Edge Field Strength (dBuV/m) | Limit (dBuV/m) | Detector |
|--------------|----------------------|----------------------|---------------|-----------------------------------|----------------|----------|
| Horizontal   | 2389.7               | 101.408              | 38.26         | 63.148                            | 74.000         | Peak     |
| Horizontal   | 2390                 | 83.898               | 42.16         | 41.738                            | 54.000         | Average  |
| Vertical     | 2389.7               | 99.599               | 38.26         | 61.339                            | 74.000         | Peak     |
| Vertical     | 2390                 | 81.919               | 42.16         | 39.759                            | 54.000         | Average  |

Note:

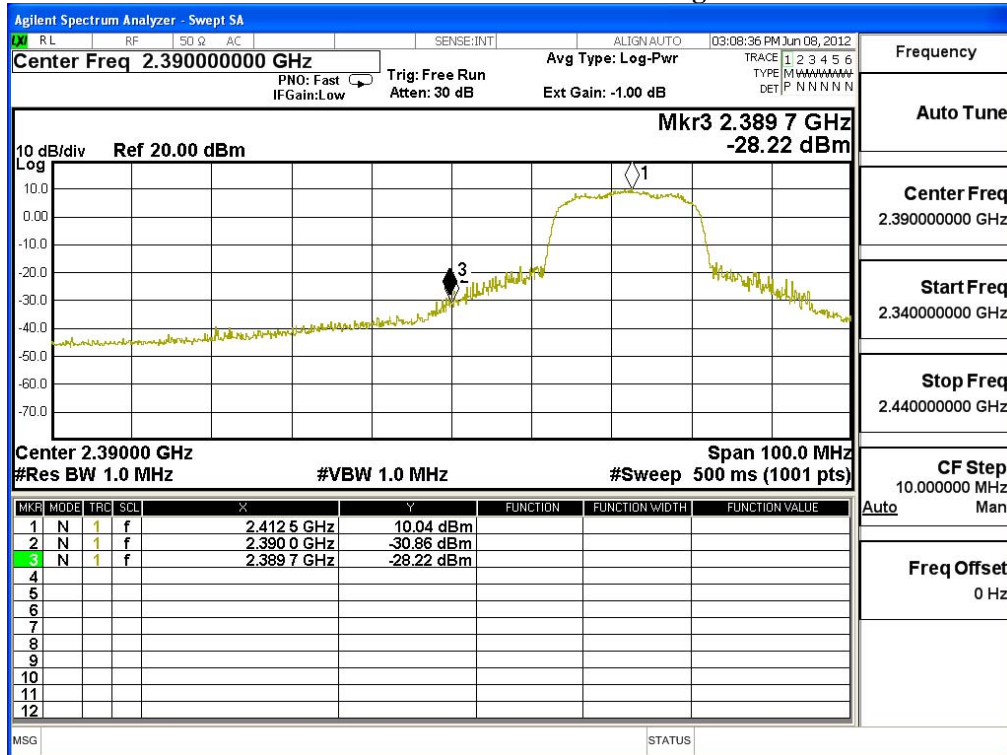
The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = F -  $\Delta$

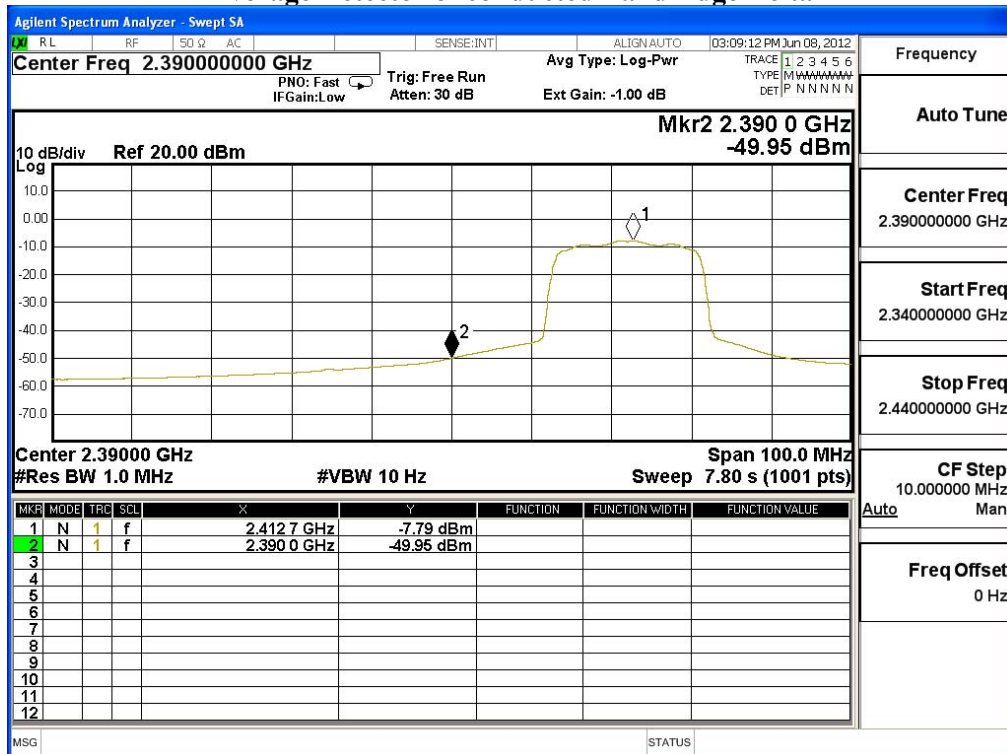
F = Fundamental field Strength (Peak or Average)

$\Delta$  = Conducted Band Edge Delta (Peak or Average)

### Peak Detector of conducted Band Edge Delta



### Average Detector of conducted Band Edge Delta



Product : ASUS Tablet  
 Test Item : Band Edge Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW)

#### Fundamental Filed Strength

| Antenna Pole | Frequency [MHz] | Correction Factor [dB/m] | Reading Level [dBuV] | Emission Level [dBuV/m] | Detector |
|--------------|-----------------|--------------------------|----------------------|-------------------------|----------|
| Horizontal   | 2462            | 32.019                   | 70.36                | 102.379                 | Peak     |
| Horizontal   | 2462            | 32.019                   | 52.77                | 84.789                  | Average  |
| Vertical     | 2462            | 31.29                    | 69.05                | 100.34                  | Peak     |
| Vertical     | 2462            | 31.29                    | 51.66                | 82.95                   | Average  |

Note: 1:Spectrum Analyzer setting:

Peak detector: RBW=1MHz, VBW=1MHz

Average detector: RBW=1MHz, VBW=10Hz

#### Band Edge Test Data

| Antenna Pole | Test Frequency (MHz) | Fundamental (dBuV/m) | $\Delta$ (dB) | Band Edge Field Strength (dBuV/m) | Limit (dBuV/m) | Detector |
|--------------|----------------------|----------------------|---------------|-----------------------------------|----------------|----------|
| Horizontal   | 2483.9               | 102.379              | 38.4          | 63.979                            | 74.000         | Peak     |
| Horizontal   | 2483.6               | 84.789               | 42.76         | 42.029                            | 54.000         | Average  |
| Vertical     | 2483.9               | 100.34               | 38.4          | 61.94                             | 74.000         | Peak     |
| Vertical     | 2483.6               | 82.95                | 42.76         | 40.19                             | 54.000         | Average  |

Note:

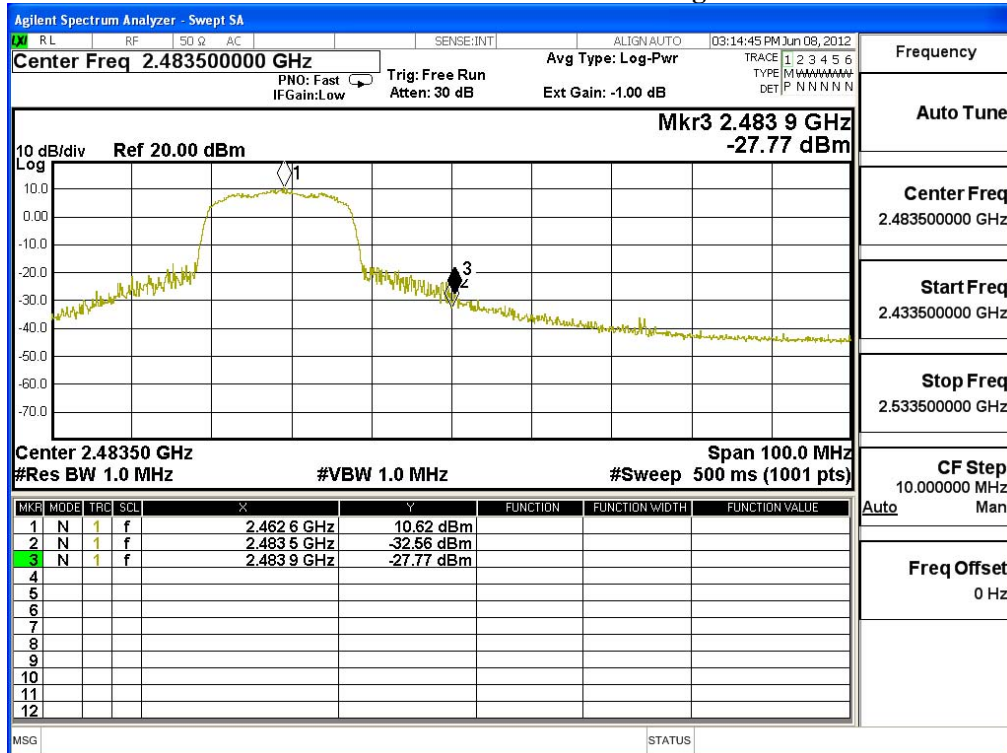
The Band Edge Field Strength was calculated using the Fundamental and Conducted Band Edge measurements per the Marker-Delta Method with the following formula:

Band Edge field Strength = F -  $\Delta$

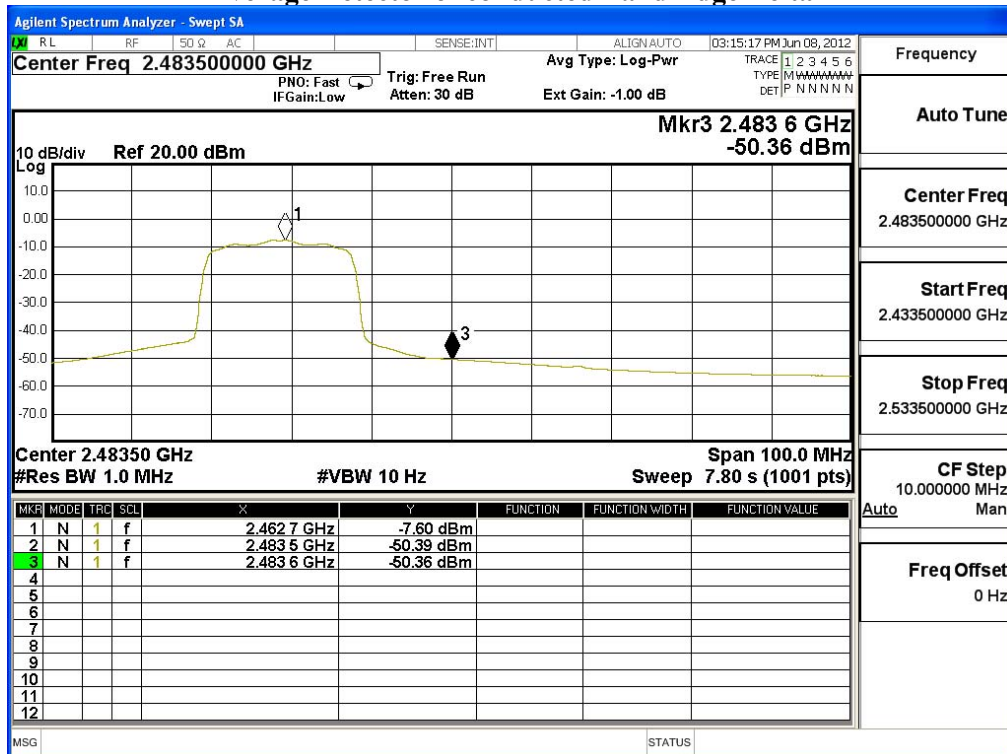
F = Fundamental field Strength (Peak or Average)

$\Delta$  = Conducted Band Edge Delta (Peak or Average)

### Peak Detector of conducted Band Edge Delta



### Average Detector of conducted Band Edge Delta





## 7. Occupied Bandwidth

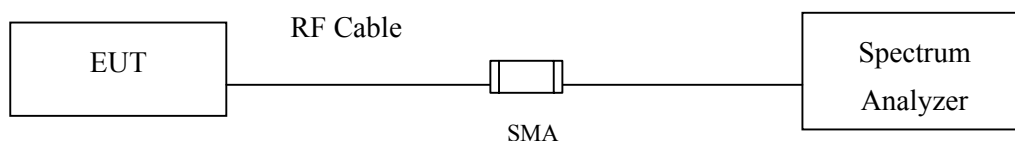
### 7.1. Test Equipment

|   | Equipment         | Manufacturer | Model No./Serial No. | Last Cal.  |
|---|-------------------|--------------|----------------------|------------|
|   | Spectrum Analyzer | R&S          | FSP40 / 100170       | Jun, 2012  |
|   | Spectrum Analyzer | Agilent      | E4407B / US39440758  | Jun, 2012  |
| X | Spectrum Analyzer | Agilent      | N9010A / MY48030495  | Apr., 2012 |

Note:

1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with “X” are used to measure the final test results.

### 7.2. Test Setup



### 7.3. Limits

The minimum bandwidth shall be at least 500 kHz.

### 7.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2003; tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW = 1-5% of the emission bandwidth, VBW $\geq$ 3\*RBW

### 7.5. Uncertainty

$\pm 150\text{Hz}$

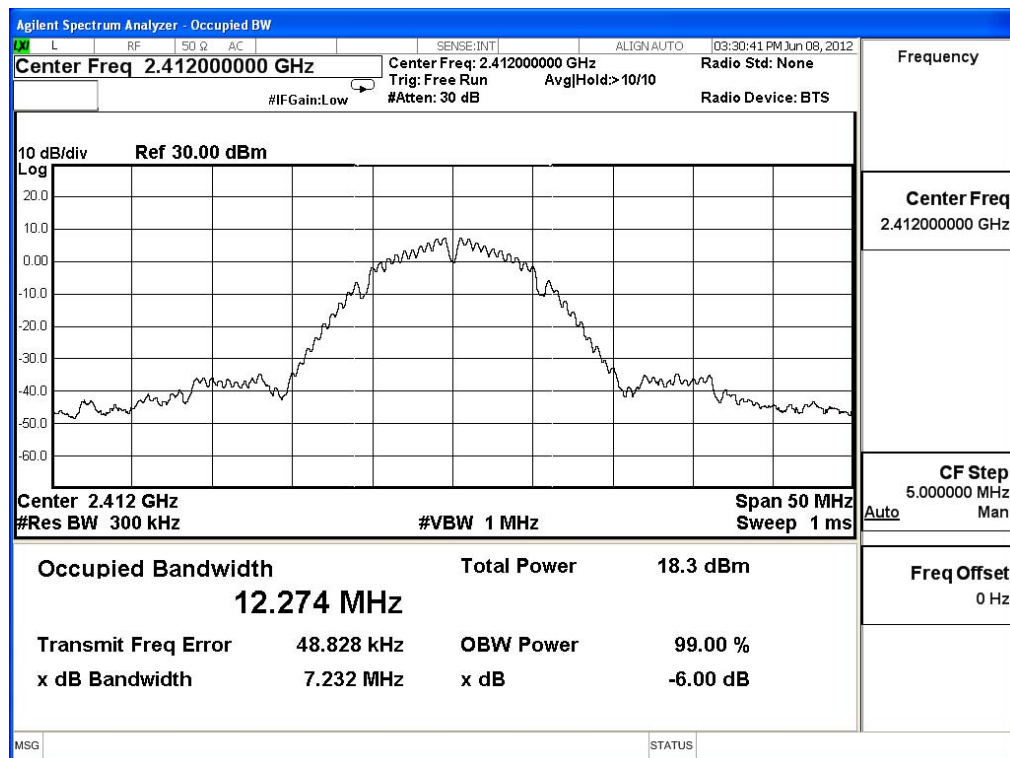


## 7.6. Test Result of Occupied Bandwidth

Product : ASUS Tablet  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 1           | 2412            | 7232                    | >500                 | Pass   |

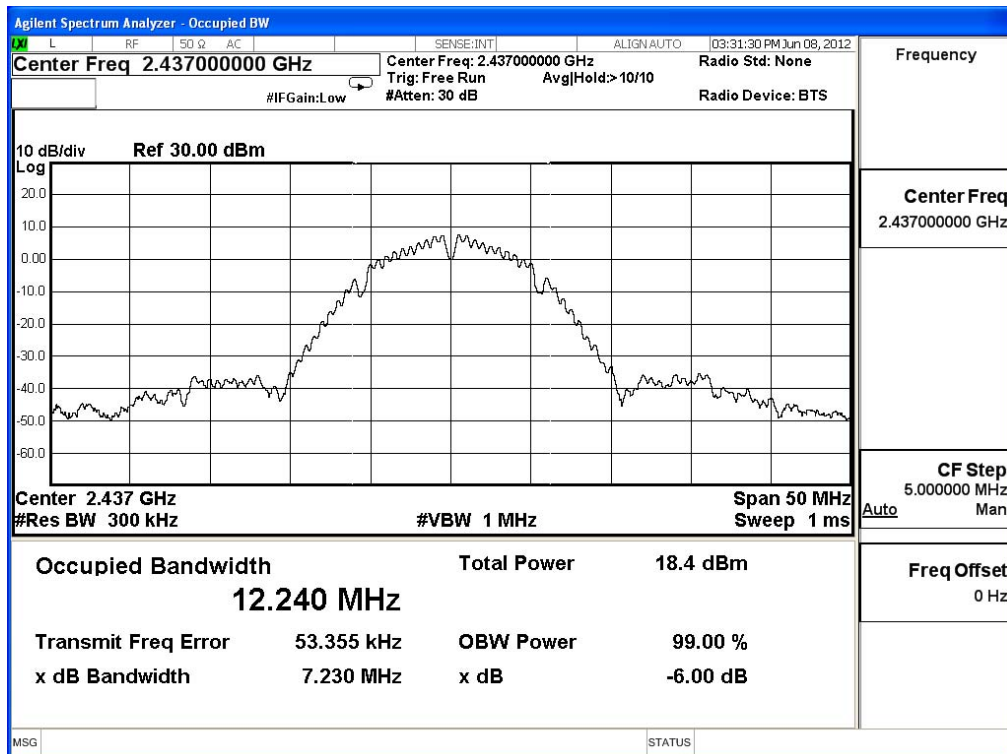
Figure Channel 1:



Product : ASUS Tablet  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 6           | 2437            | 7230                    | >500                 | Pass   |

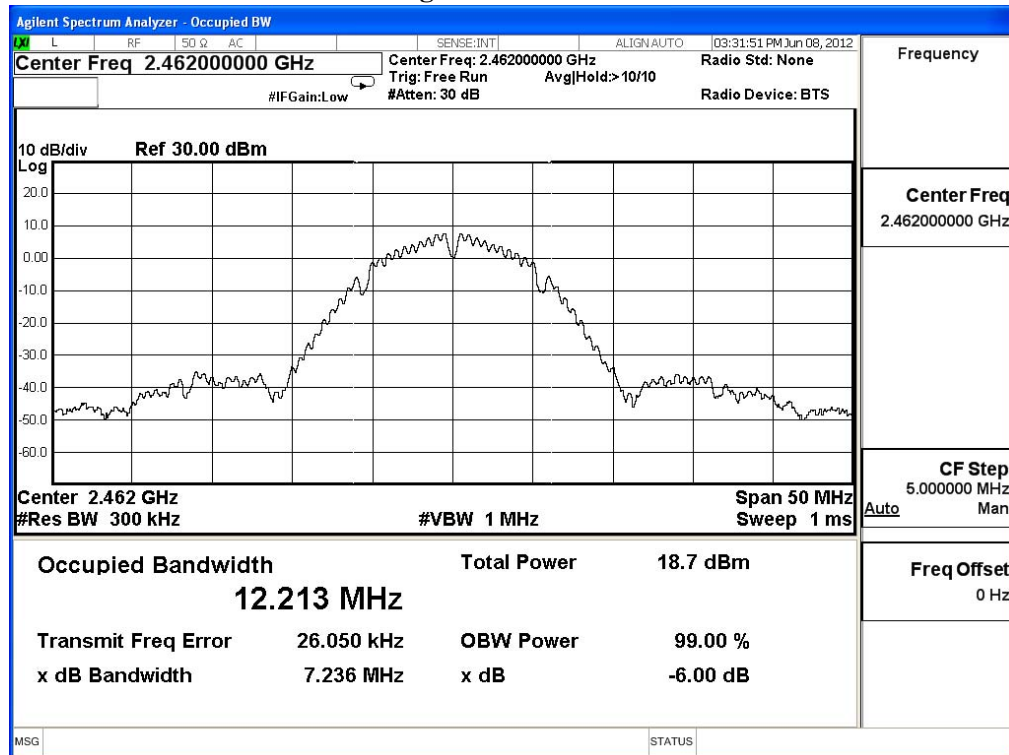
Figure Channel 6:



Product : ASUS Tablet  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 11          | 2462            | 7236                    | >500                 | Pass   |

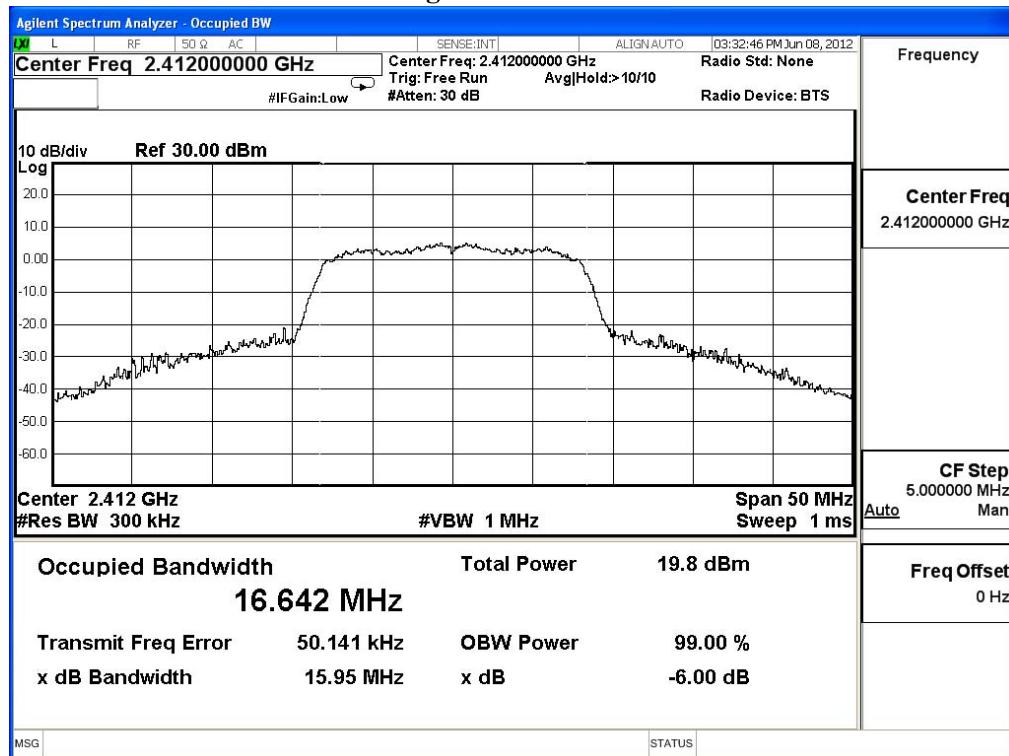
Figure Channel 11:



Product : ASUS Tablet  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 1           | 2412            | 15950                   | >500                 | Pass   |

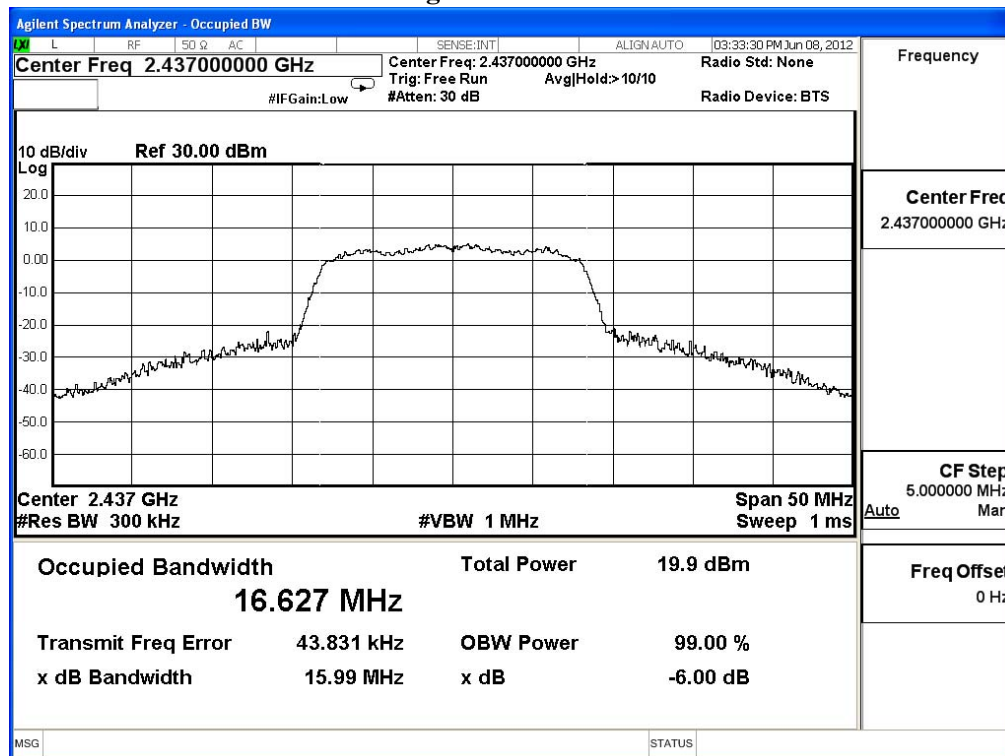
Figure Channel 1:



Product : ASUS Tablet  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 6           | 2437            | 15990                   | >500                 | Pass   |

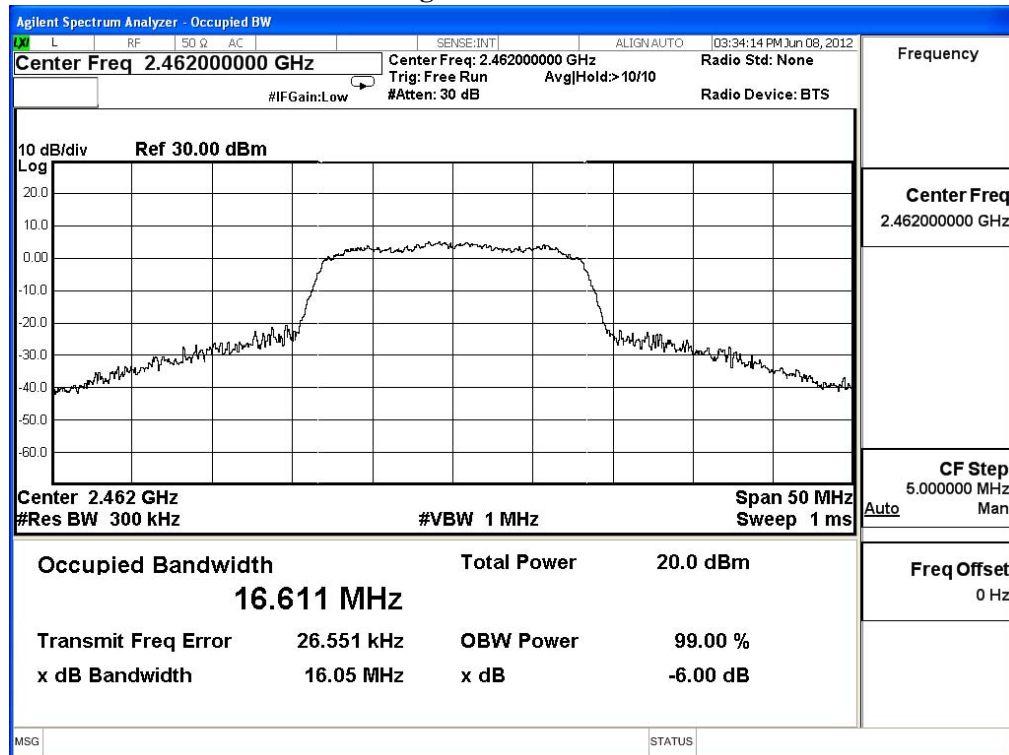
Figure Channel 6:



Product : ASUS Tablet  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 11          | 2462            | 16050                   | >500                 | Pass   |

**Figure Channel 11:**



| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 1           | 2412            | 17400                   | >500                 | Pass   |

Agilent Spectrum Analyzer - Occupied BW

Center Freq 2.41200000 GHz

Center Freq: 2.412000000 GHz  
Trig: Free Run  
Avg/Hold: > 10/10

Radio Std: None

Radio Device: BTS

#IF Gain: Low

#Atten: 30 dB

Frequency

Center Freq 2.412000000 GHz

CF Step 5.000000 MHz

Auto

Mar

Freq Offset 0 Hz

10 dB/div

Ref 30.00 dBm

Log

Center 2.412 GHz

#Res BW 300 kHz

#VBW 1 MHz

Span 50 MHz

Sweep 1 ms

Occupied Bandwidth

Total Power

18.6 dBm

17.516 MHz

Transmit Freq Error

21.270 kHz

OBW Power

99.00 %

x dB Bandwidth

17.40 MHz

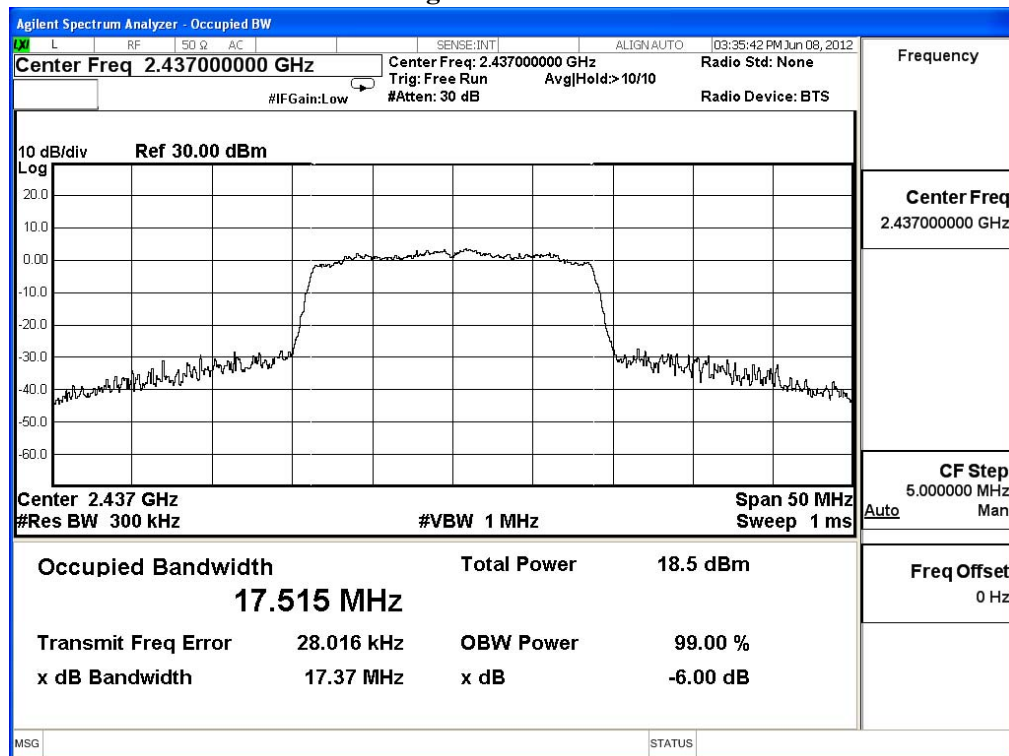
x dB

-6.00 dB

Product : ASUS Tablet  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2437MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 6           | 2437            | 17370                   | >500                 | Pass   |

Figure Channel 6:

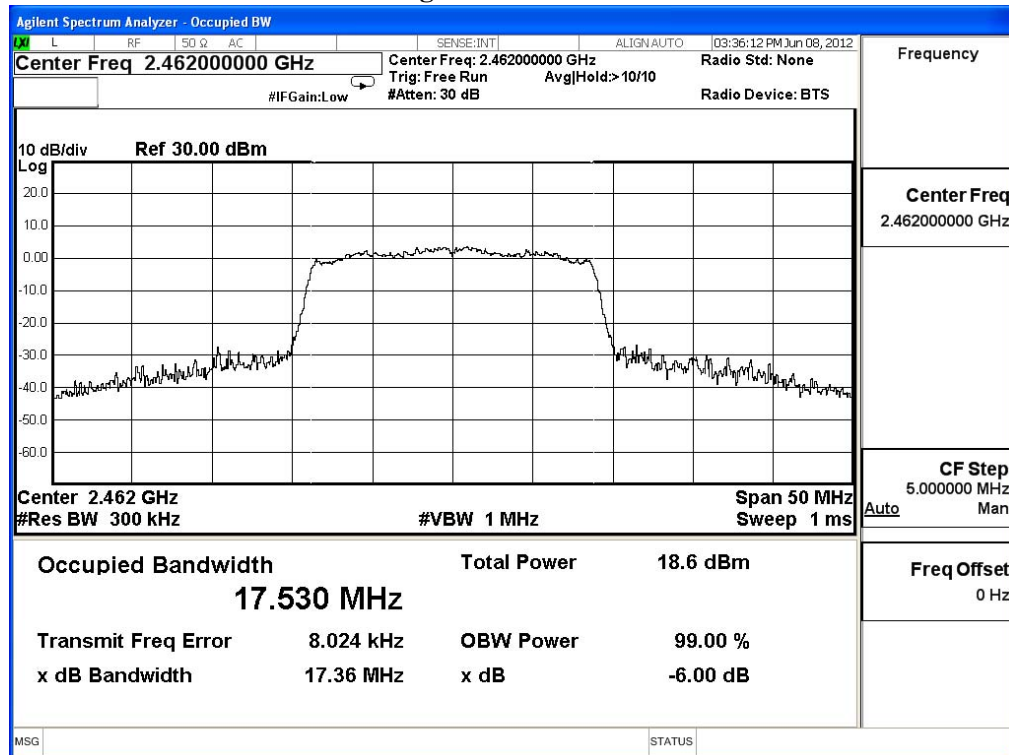




Product : ASUS Tablet  
 Test Item : Occupied Bandwidth Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2462MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 11          | 2462            | 17360                   | >500                 | Pass   |

Figure Channel 11:



## 8. Power Density

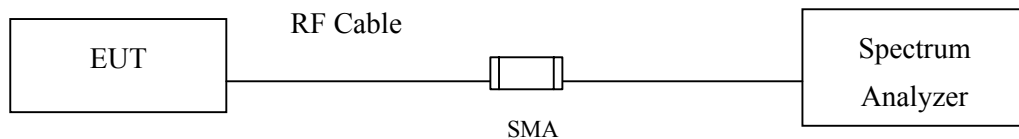
### 8.1. Test Equipment

|   | Equipment         | Manufacturer | Model No./Serial No. | Last Cal.  |
|---|-------------------|--------------|----------------------|------------|
|   | Spectrum Analyzer | R&S          | FSP40 / 100170       | Jun, 2012  |
|   | Spectrum Analyzer | Agilent      | E4407B / US39440758  | Jun, 2012  |
| X | Spectrum Analyzer | Agilent      | N9010A / MY48030495  | Apr., 2012 |

Note:

1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with "X" are used to measure the final test results.

### 8.2. Test Setup



### 8.3. Limits

The transmitted power density averaged over any 1 second interval shall not be greater +8dBm in any 3kHz bandwidth.

### 8.4. Test Procedure

The EUT was setup according to ANSI C63.4, 2003; tested according to DTS test procedure of Jan. 2012 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

Set RBW= 100 kHz, VBW $\geq$ 300KHz, SPAN to 5-30 % greater than the EBW,

Scale the observed power level to an equivalent value in 3 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where  $BWCF = 10\log(3\text{ kHz}/100\text{ kHz}) = -15.2\text{ dB}$ .

### 8.5. Uncertainty

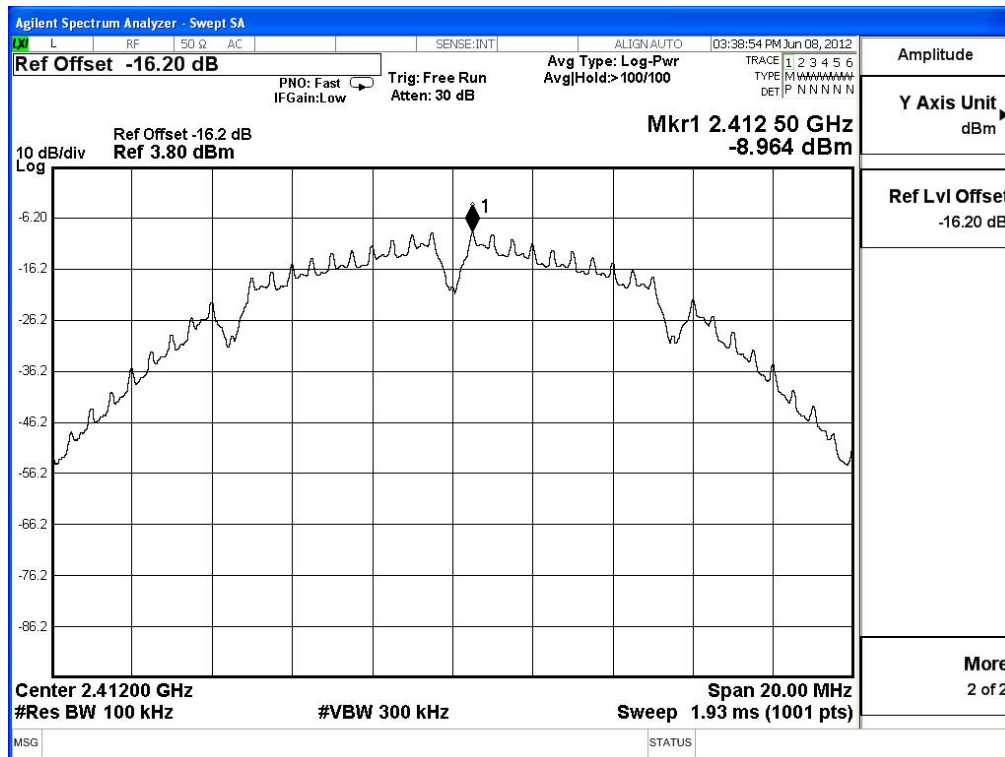
$\pm 1.27\text{ dB}$

## 8.6. Test Result of Power Density

Product : ASUS Tablet  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)

| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 1           | 2412            | -8.964              | < 8dBm      | Pass   |

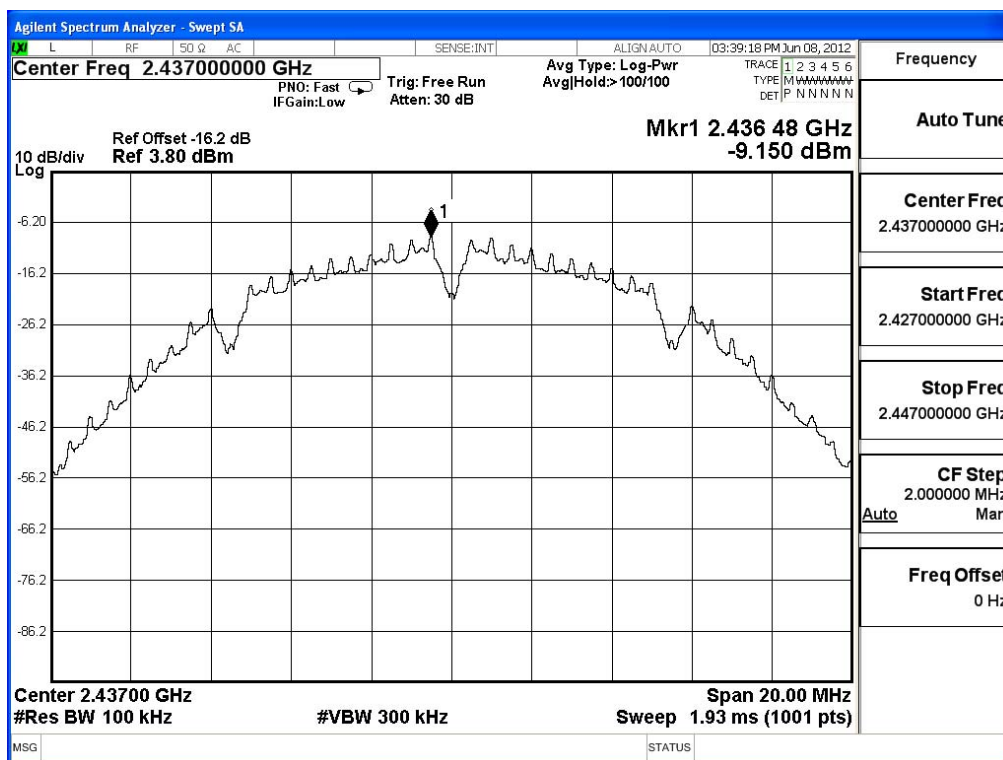
Figure Channel 1:



Product : ASUS Tablet  
 Test Item : Power Density Data  
 Test Site : No.3OATS  
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437MHz)

| Channel No. | Frequency (MHz) | Measurement Level (dBm) | Required Limit (dBm) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 6           | 2437            | -9.150                  | < 8dBm               | Pass   |

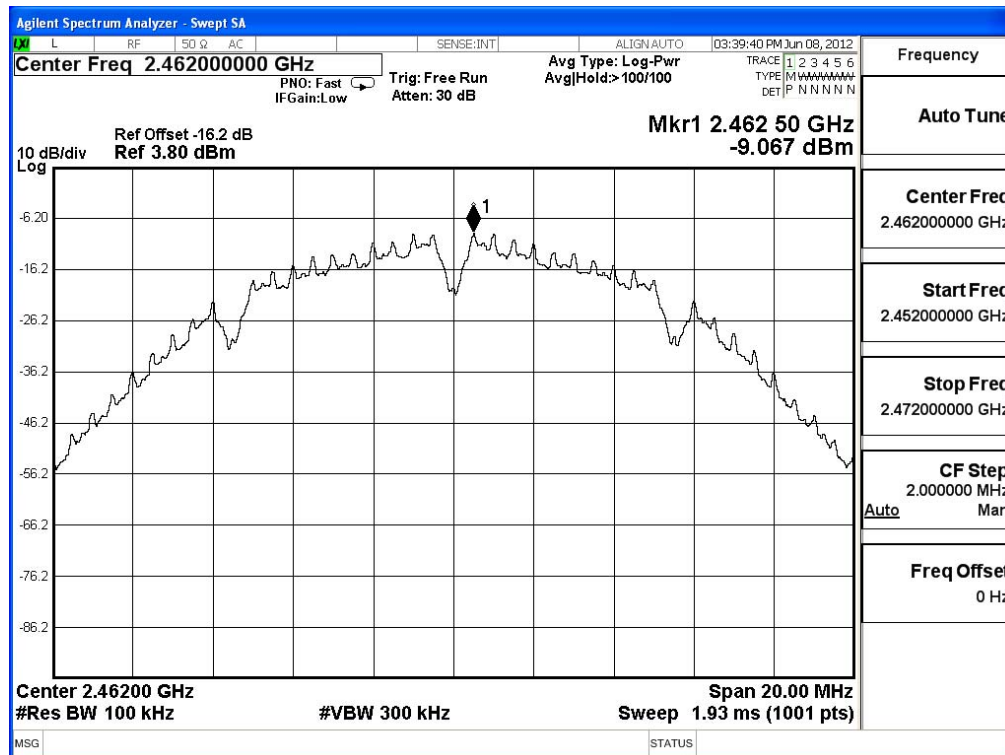
Figure Channel 6:



Product : ASUS Tablet  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462MHz)

| Channel No. | Frequency (MHz) | Measurement Level (dBm) | Required Limit (dBm) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 11          | 2462            | -9.067                  | < 8dBm               | Pass   |

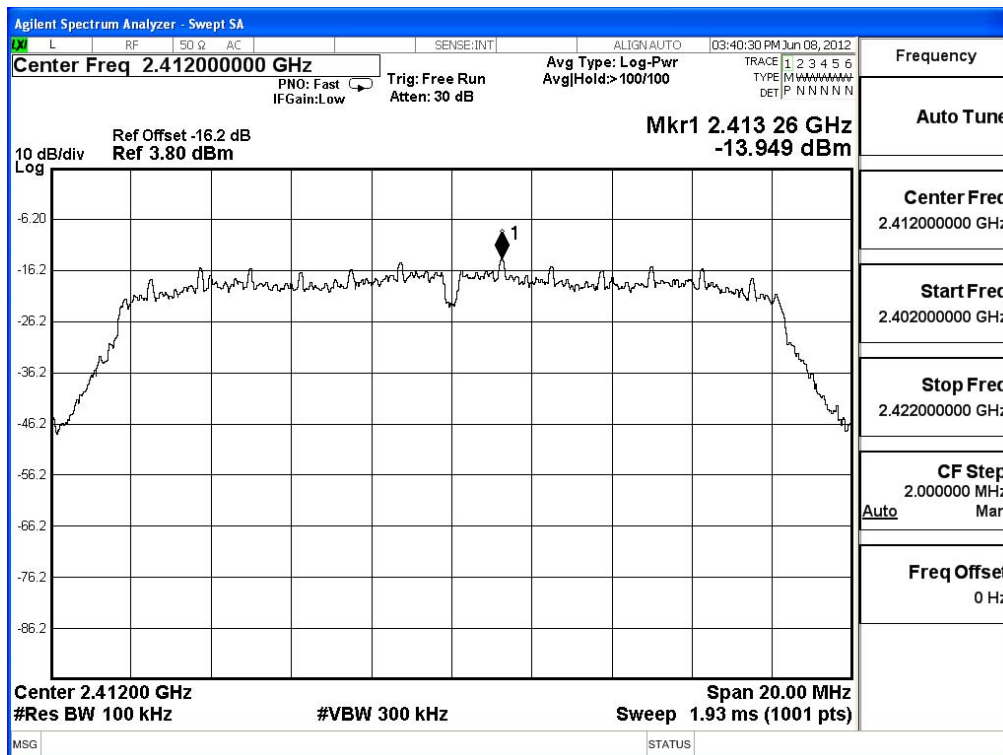
Figure Channel 11:



Product : ASUS Tablet  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)

| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 1           | 2412            | -13.949             | < 8dBm      | Pass   |

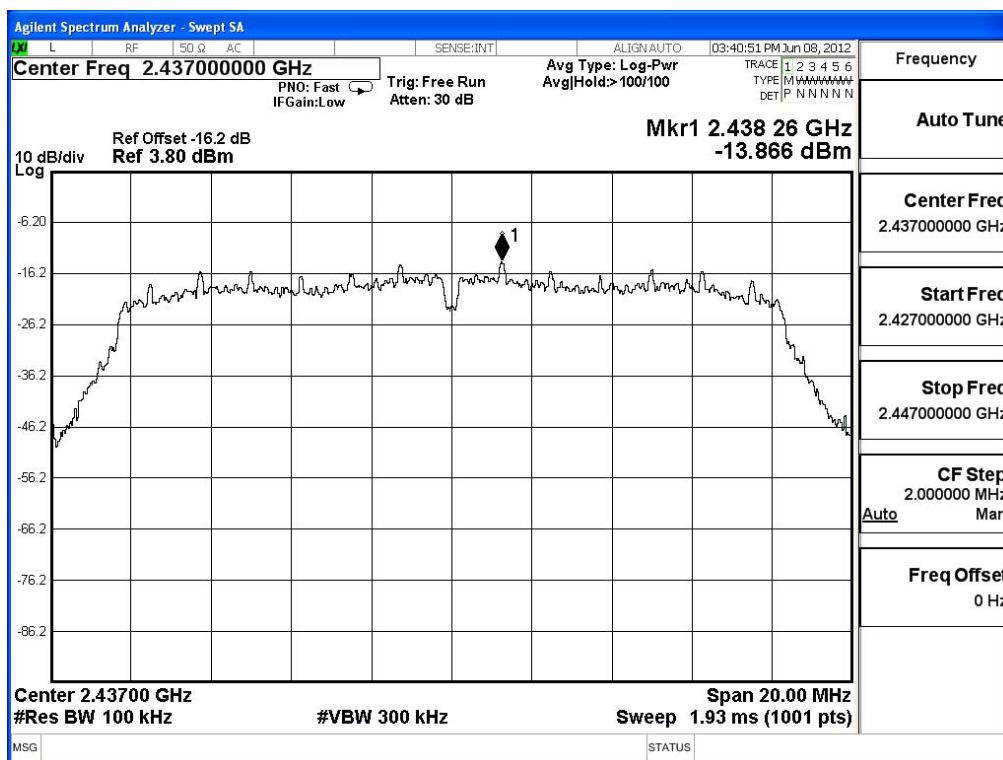
Figure Channel 1:



Product : ASUS Tablet  
 Test Item : Power Density Data  
 Test Site : No.3OATS  
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437MHz)

| Channel No. | Frequency (MHz) | Measurement Level (dBm) | Required Limit (dBm) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 6           | 2437            | -13.866                 | < 8dBm               | Pass   |

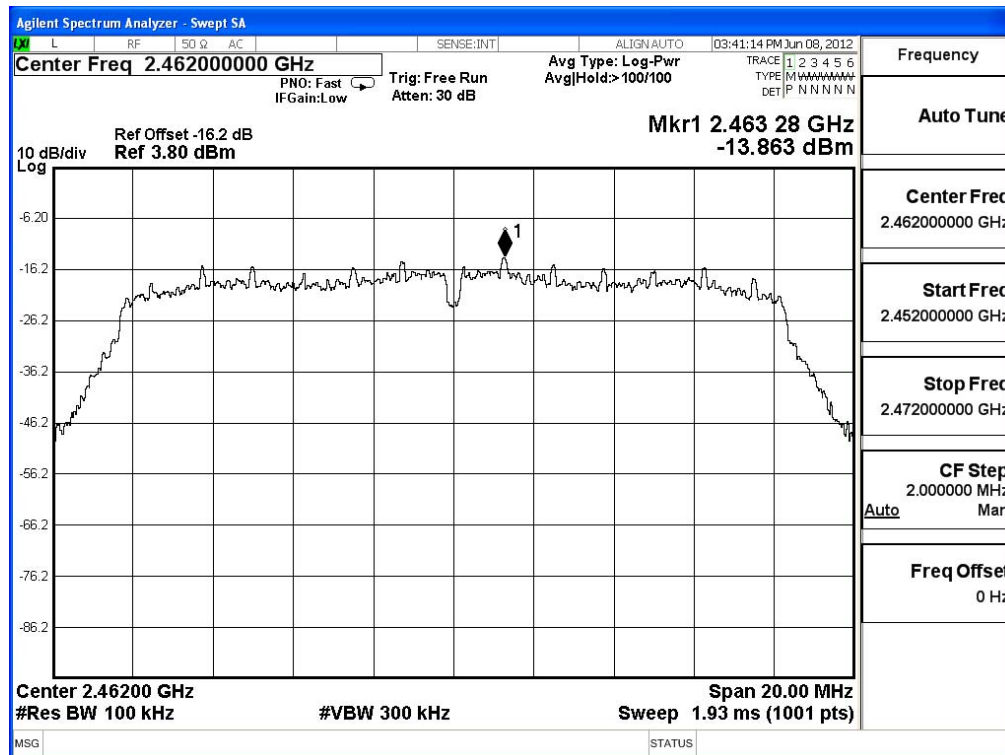
**Figure Channel 6:**



Product : ASUS Tablet  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462MHz)

| Channel No. | Frequency (MHz) | Measurement Level (dBm) | Required Limit (dBm) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 11          | 2462            | -13.863                 | < 8dBm               | Pass   |

Figure Channel 11:

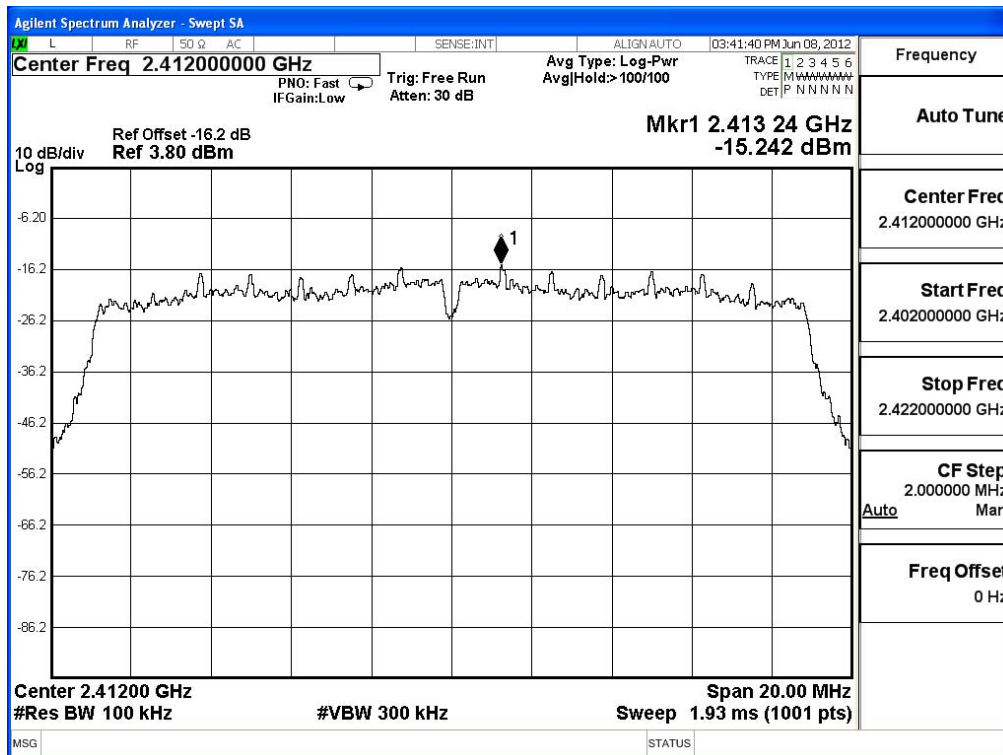




Product : ASUS Tablet  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2412MHz)

| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
|-------------|-----------------|---------------------|-------------|--------|
| 1           | 2412            | -15.242             | < 8dBm      | Pass   |

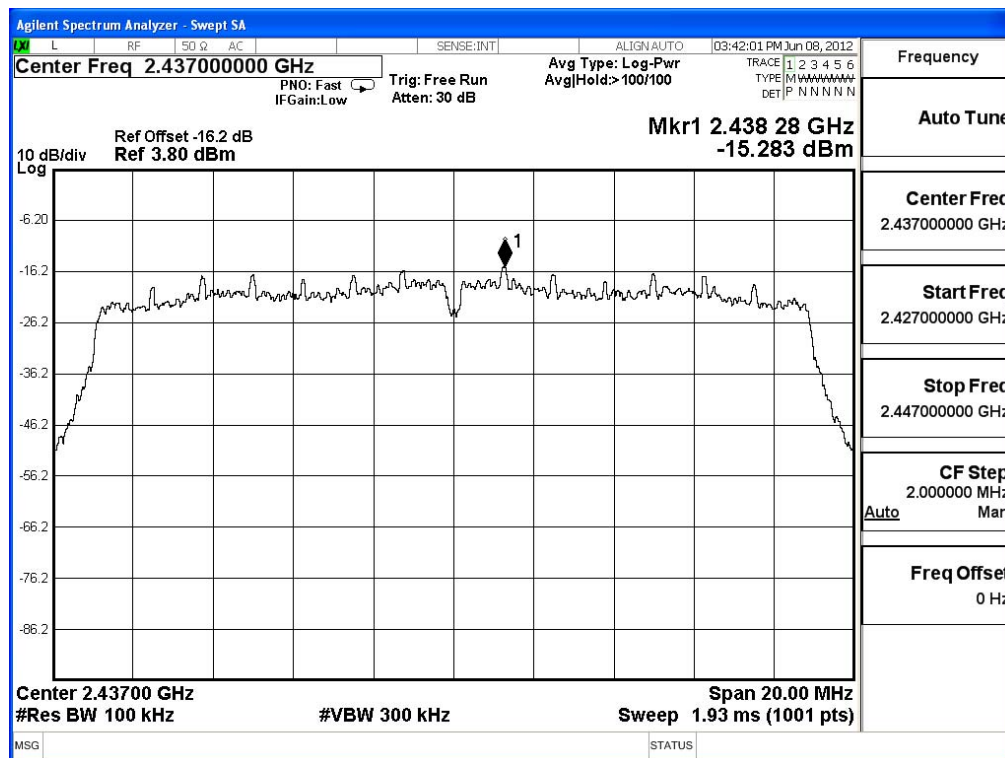
Figure Channel 1:



Product : ASUS Tablet  
 Test Item : Power Density Data  
 Test Site : No.3OATS  
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2437MHz)

| Channel No. | Frequency (MHz) | Measurement Level (dBm) | Required Limit (dBm) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 6           | 2437            | -15.283                 | < 8dBm               | Pass   |

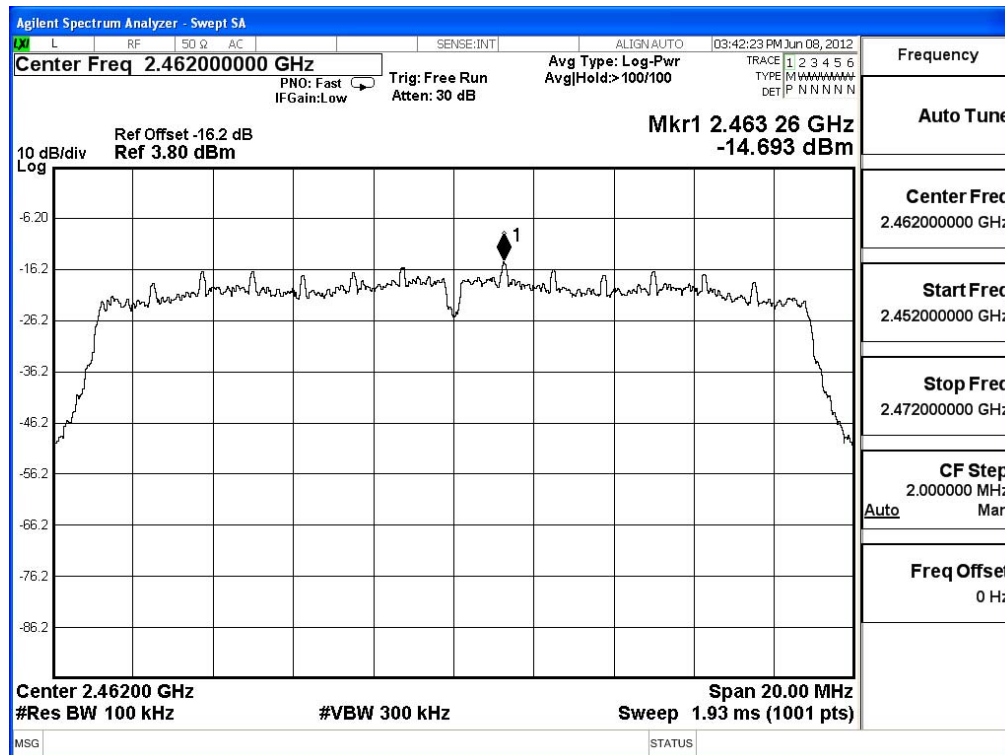
Figure Channel 6:



Product : ASUS Tablet  
 Test Item : Power Density Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n MCS0 7.2Mbps 20M-BW) (2462MHz)

| Channel No. | Frequency (MHz) | Measurement Level (dBm) | Required Limit (dBm) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 11          | 2462            | -14.693                 | < 8dBm               | Pass   |

Figure Channel 11:



## **9. EMI Reduction Method During Compliance Testing**

No modification was made during testing.

## Attachment 1: EUT Test Photographs

## Attachment 2: EUT Detailed Photographs