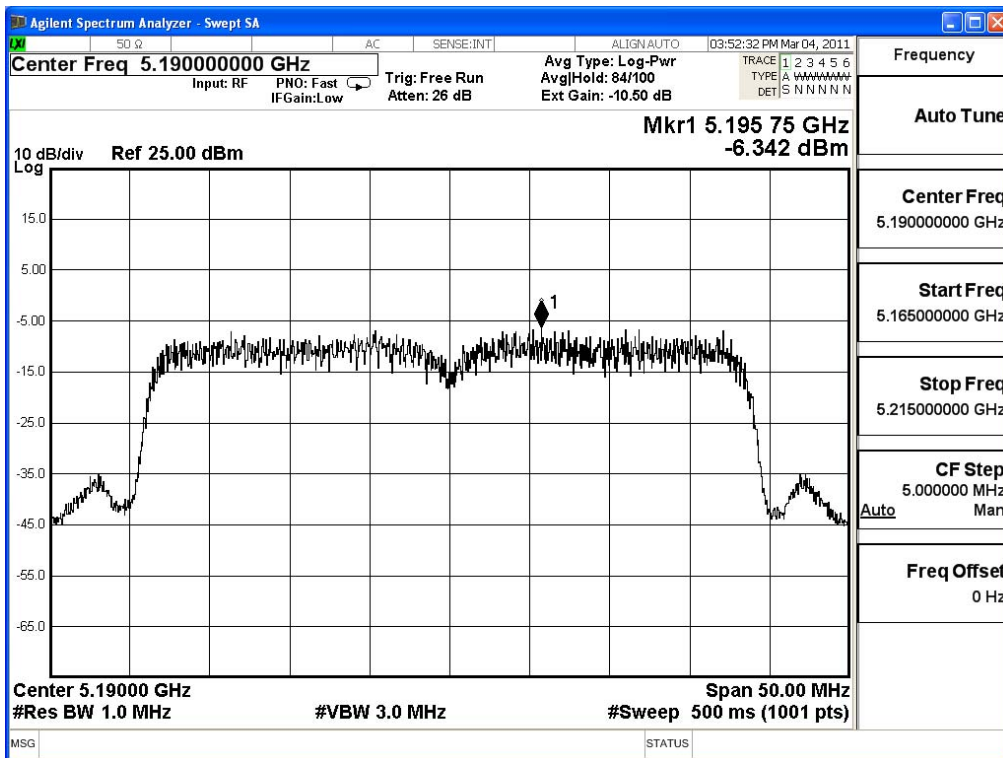


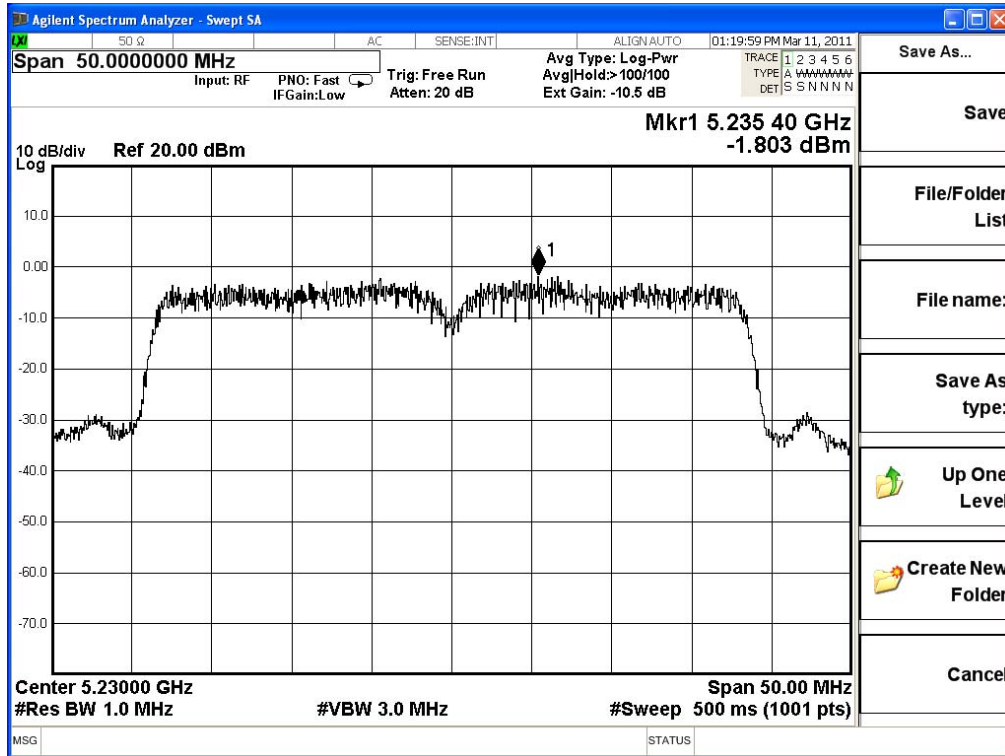
Product : 802.11 a/b/g/n module  
 Test Item : Peak Power Spectral Density  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps)

| Channel No. | Frequency (MHz) | Measurement Level (dBm) | Required Limit (dBm) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 38          | 5190            | -6.342                  | <4                   | Pass   |
| 46          | 5230            | -1.803                  | <4                   | Pass   |
| 54          | 5270            | 1.375                   | <11                  | Pass   |
| 62          | 5310            | -5.108                  | <11                  | Pass   |
| 102         | 5510            | -6.457                  | <11                  | Pass   |
| 118         | 5590            | 2.846                   | <11                  | Pass   |
| 134         | 5670            | 4.502                   | <11                  | Pass   |

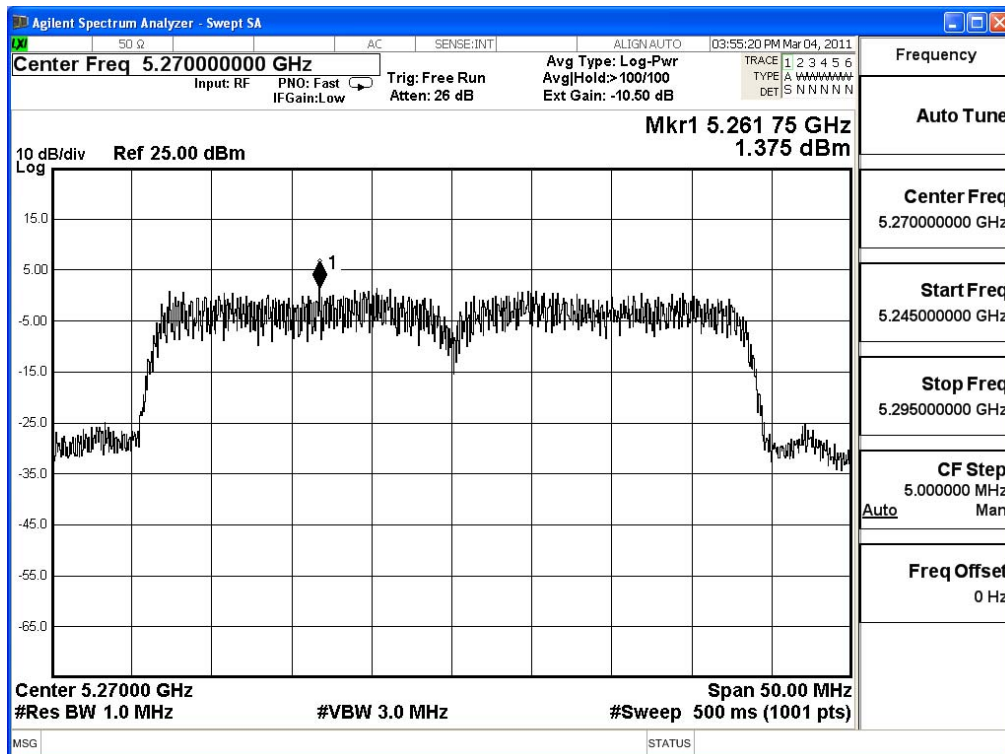
**Channel 38:**



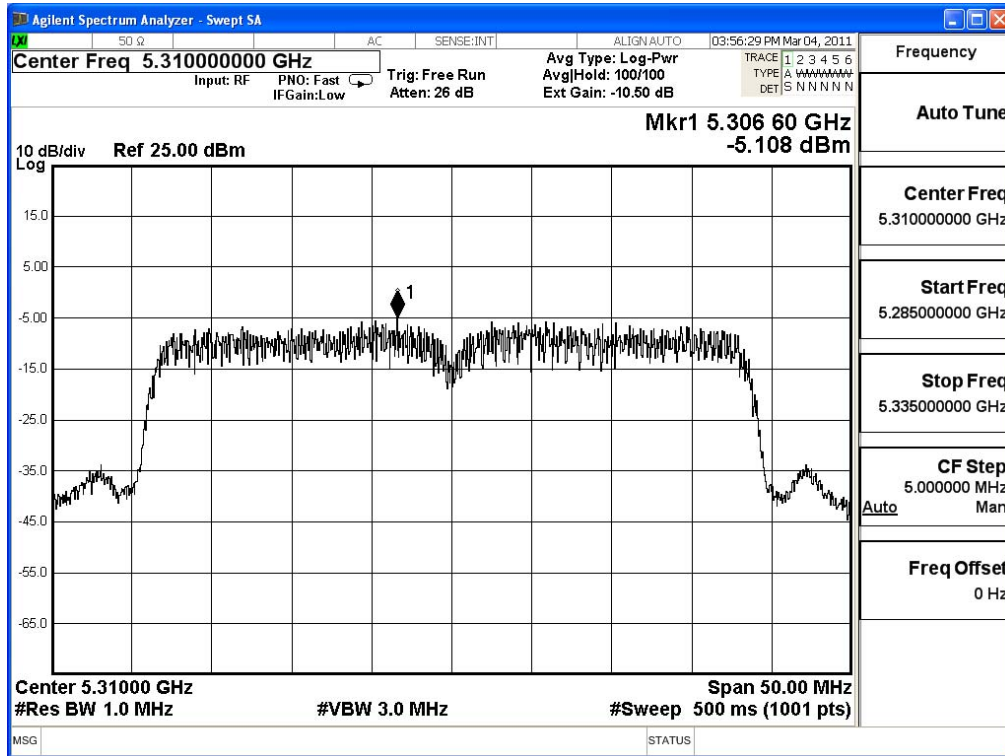
**Channel 46:**



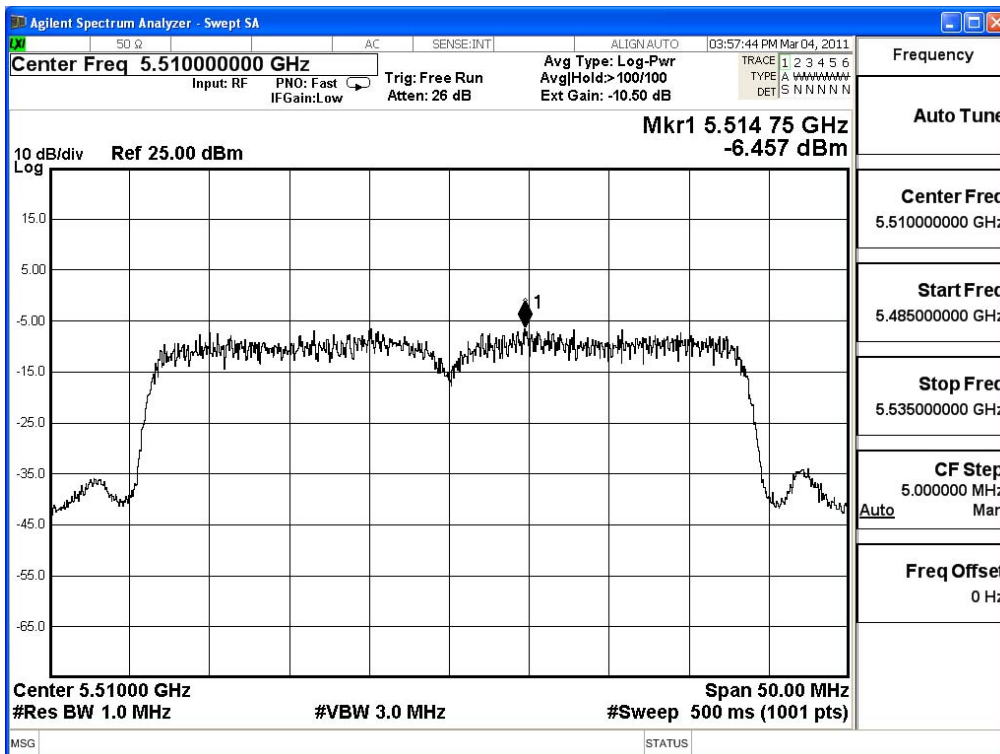
**Channel 54:**



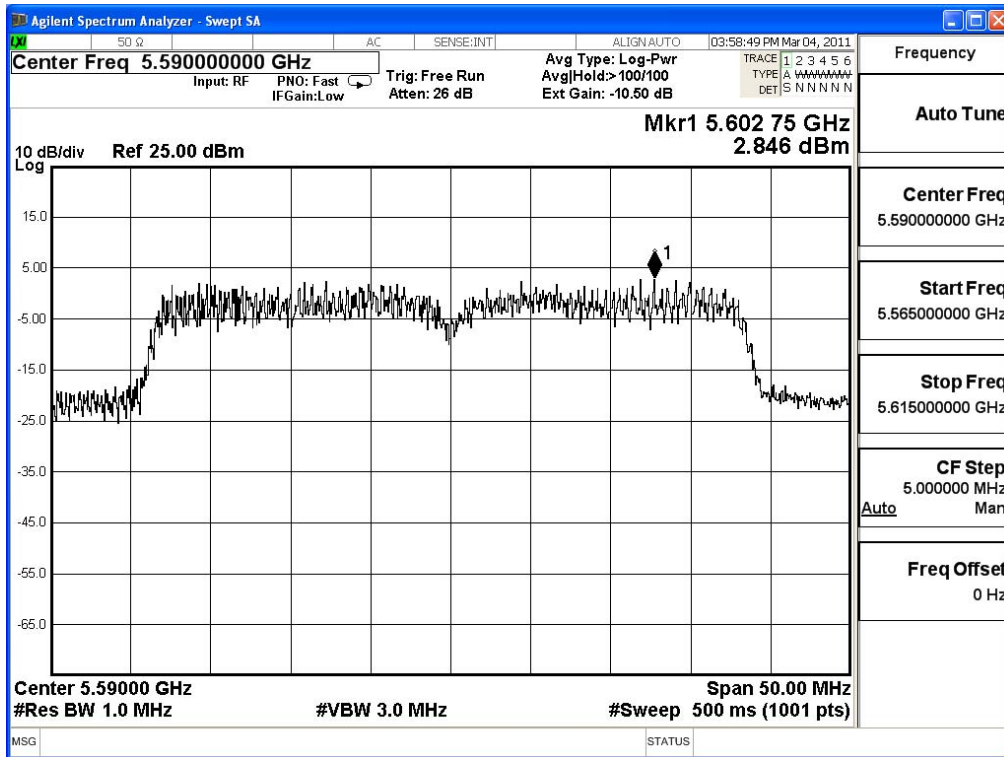
**Channel 62:**



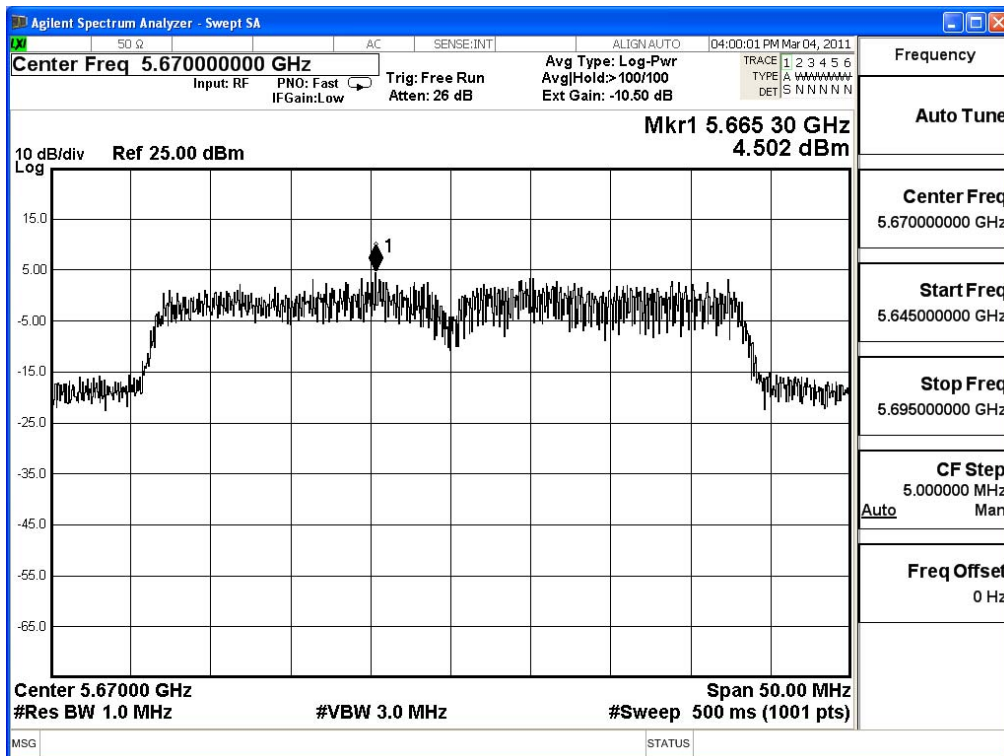
**Channel 102:**



**Channel 118:**



**Channel 134:**



**5. Peak Excursion**

**5.1. Test Equipment**

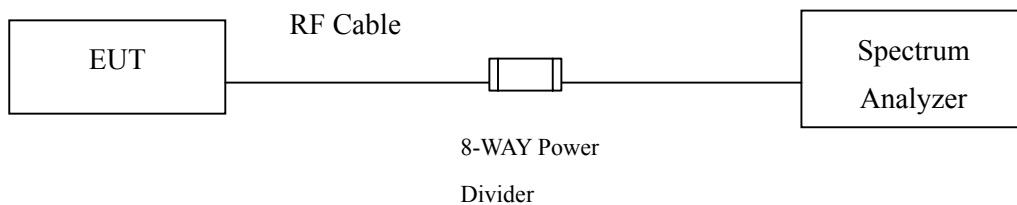
|   | Equipment           | Manufacturer | Model No./Serial No.   | Last Cal.  |
|---|---------------------|--------------|------------------------|------------|
|   | Spectrum Analyzer   | R&S          | FSP40 / 100170         | Jun, 2010  |
|   | Spectrum Analyzer   | Agilent      | E4407B / US39440758    | Jun, 2010  |
| X | Spectrum Analyzer   | Agilent      | N9010A / MY48030495    | Apr., 2010 |
| X | 8-WAY Power Divider | JFW          | 50PD-647 / 526770 0916 | Apr., 2010 |

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.
3. The power combiner is used for measure 11n mode.

**5.2. Test Setup**

**Conduction Power Measurement**



**5.3. Limits**

The ratio of the peak excursion of the modulation envelope (measured using a peak hold function) to the peak transmit power (measured as specified above) shall not exceed 13 dB across any 1 MHz bandwidth or the emission bandwidth whichever is less.

**5.4. Test Procedure**

The EUT was setup to ANSI C63.4: 2009; tested to DTS test procedure of Aug 2002 DA 02-2138 for compliance to FCC 47CFR Subpart E requirements.

**5.5. Uncertainty**

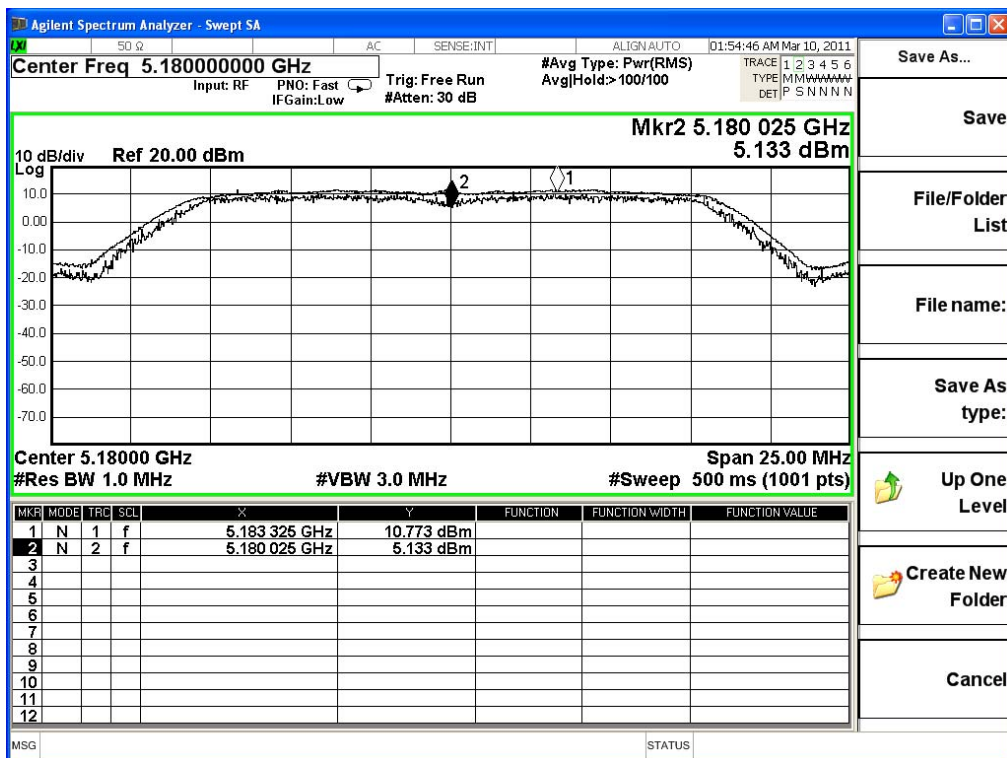
± 1.27 dB

### 5.6. Test Result of Peak Excursion

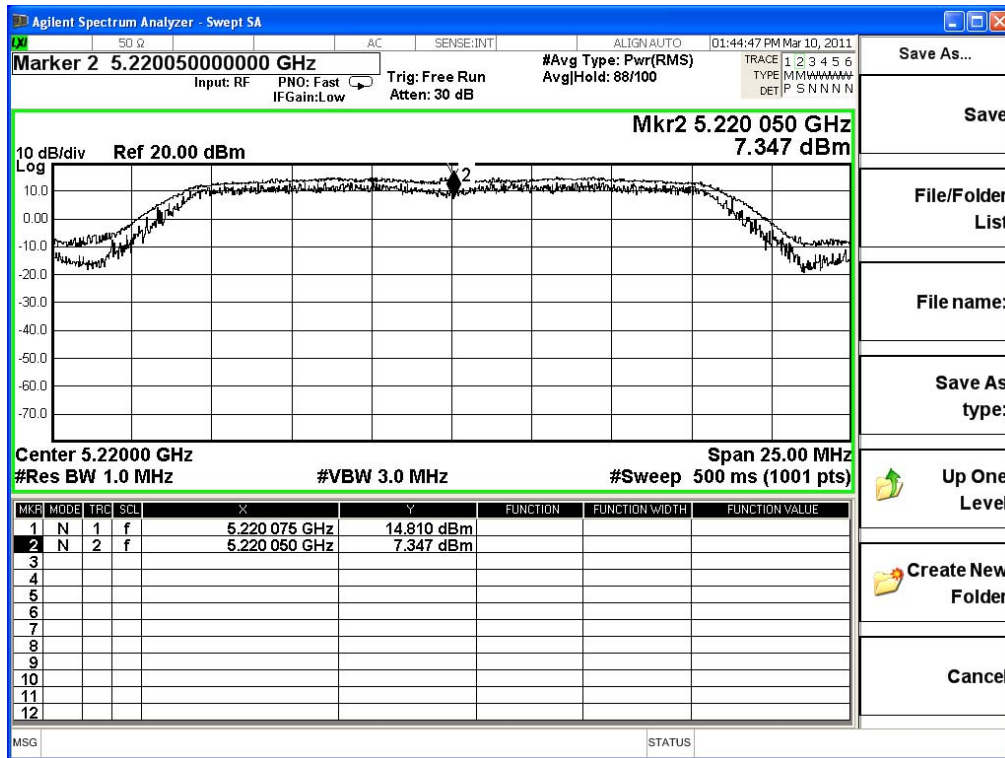
Product : 802.11 a/b/g/n module  
 Test Item : Peak Excursion  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps)

| Channel No. | Frequency (MHz) | Measurement Level (dB) | Required Limit (dB) | Result |
|-------------|-----------------|------------------------|---------------------|--------|
| 36          | 5180            | 5.640                  | <13                 | Pass   |
| 44          | 5220            | 7.463                  | <13                 | Pass   |
| 48          | 5240            | 6.491                  | <13                 | Pass   |
| 52          | 5260            | 7.111                  | <13                 | Pass   |
| 60          | 5300            | 7.897                  | <13                 | Pass   |
| 64          | 5320            | 3.411                  | <13                 | Pass   |
| 100         | 5500            | 7.407                  | <13                 | Pass   |
| 120         | 5600            | 7.005                  | <13                 | Pass   |
| 140         | 5700            | 7.487                  | <13                 | Pass   |

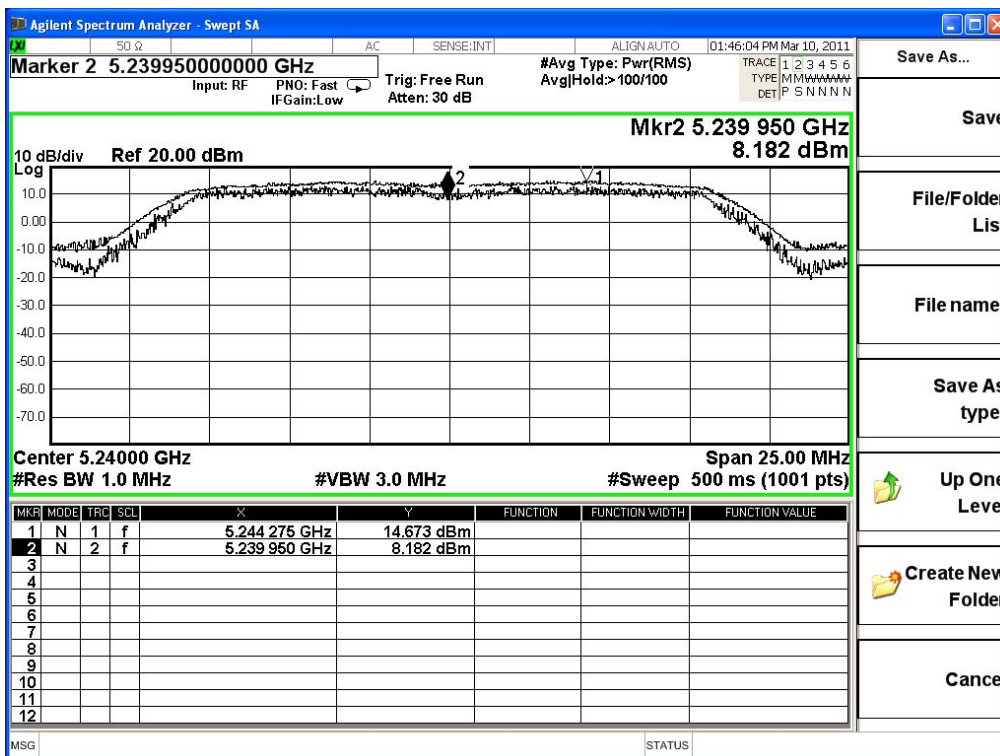
Channel 36:



**Channel 44:**

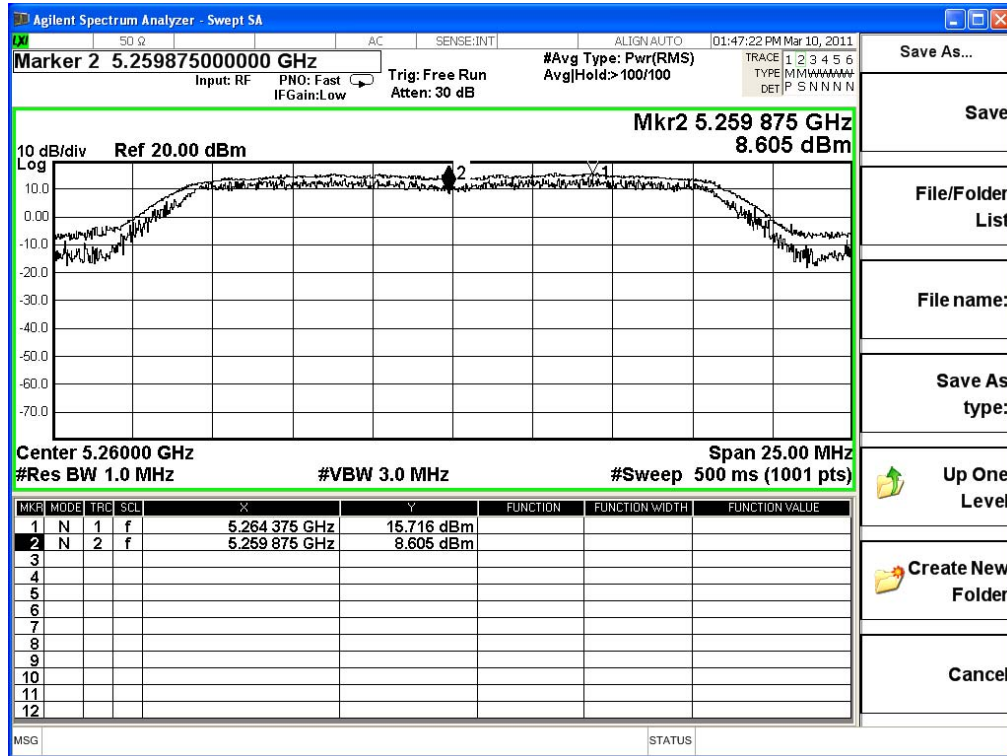


**Channel 48:**

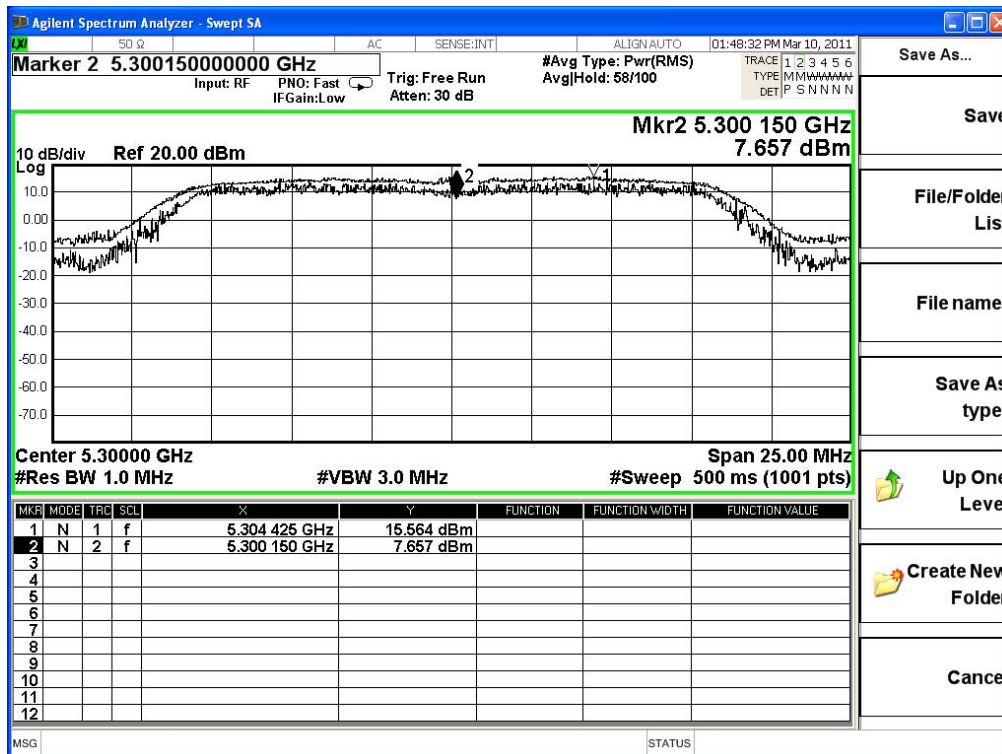




**Channel 52:**

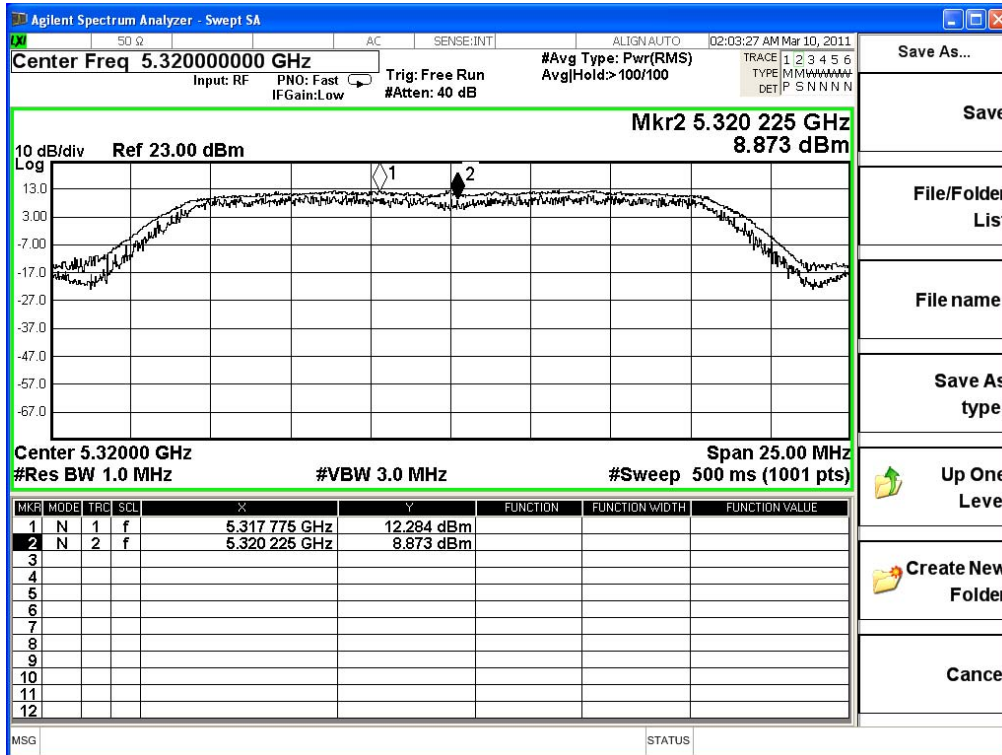


**Channel 60:**

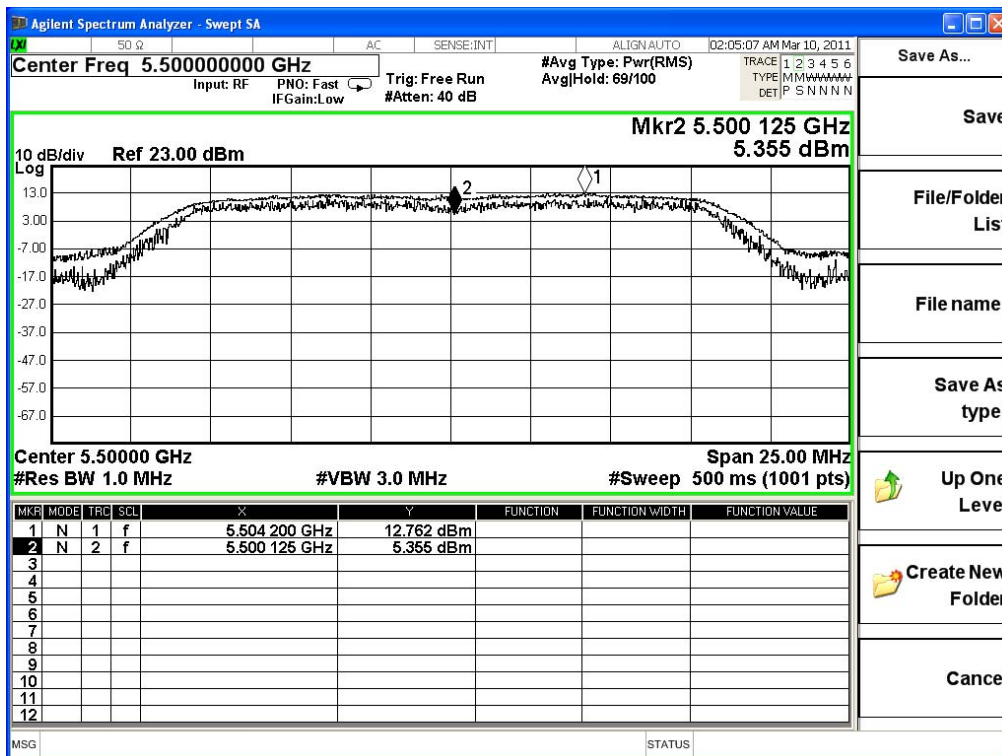




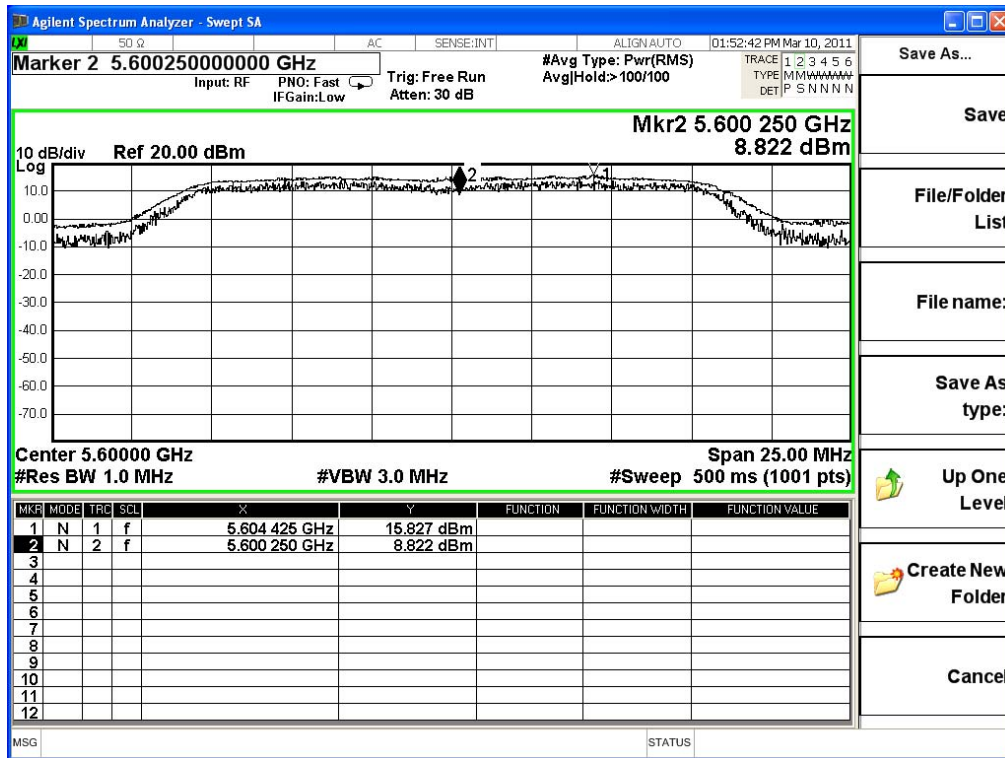
**Channel 64:**



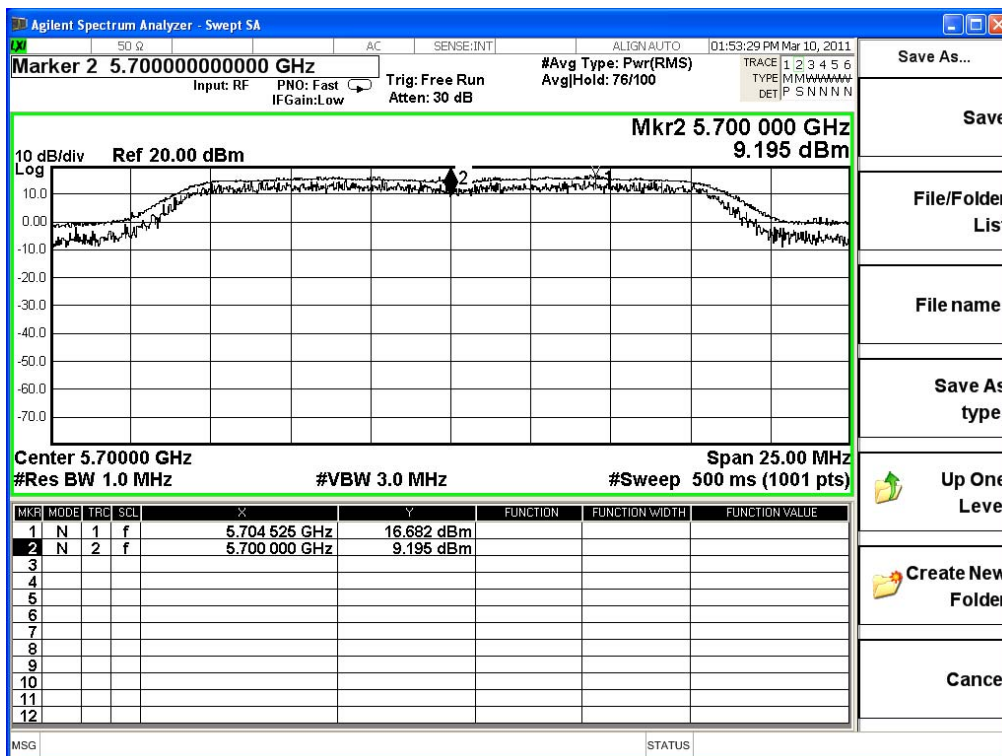
**Channel 100:**



**Channel 120:**



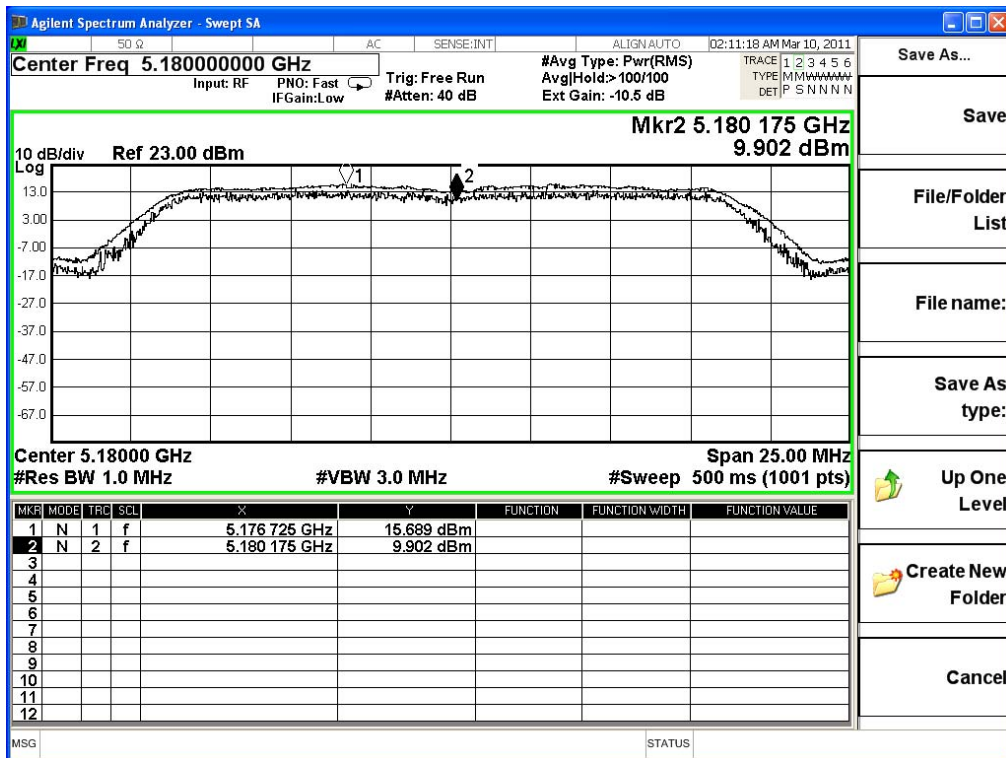
**Channel 140:**



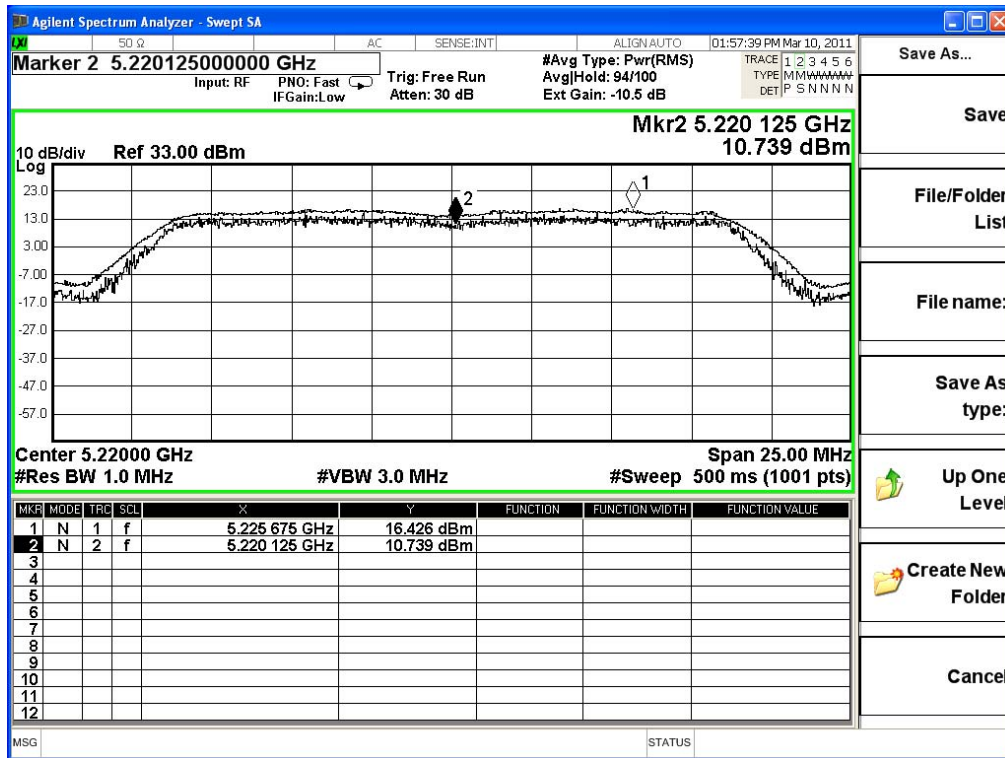
Product : 802.11 a/b/g/n module  
 Test Item : Peak Excursion  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps)

| Channel No. | Frequency (MHz) | Measurement Level (dB) | Required Limit (dB) | Result |
|-------------|-----------------|------------------------|---------------------|--------|
| 36          | 5180            | 5.687                  | <13                 | Pass   |
| 44          | 5220            | 5.687                  | <13                 | Pass   |
| 48          | 5240            | 8.047                  | <13                 | Pass   |
| 52          | 5260            | 8.988                  | <13                 | Pass   |
| 60          | 5300            | 7.212                  | <13                 | Pass   |
| 64          | 5320            | 8.594                  | <13                 | Pass   |
| 100         | 5500            | 8.964                  | <13                 | Pass   |
| 120         | 5600            | 8.085                  | <13                 | Pass   |
| 140         | 5700            | 9.665                  | <13                 | Pass   |

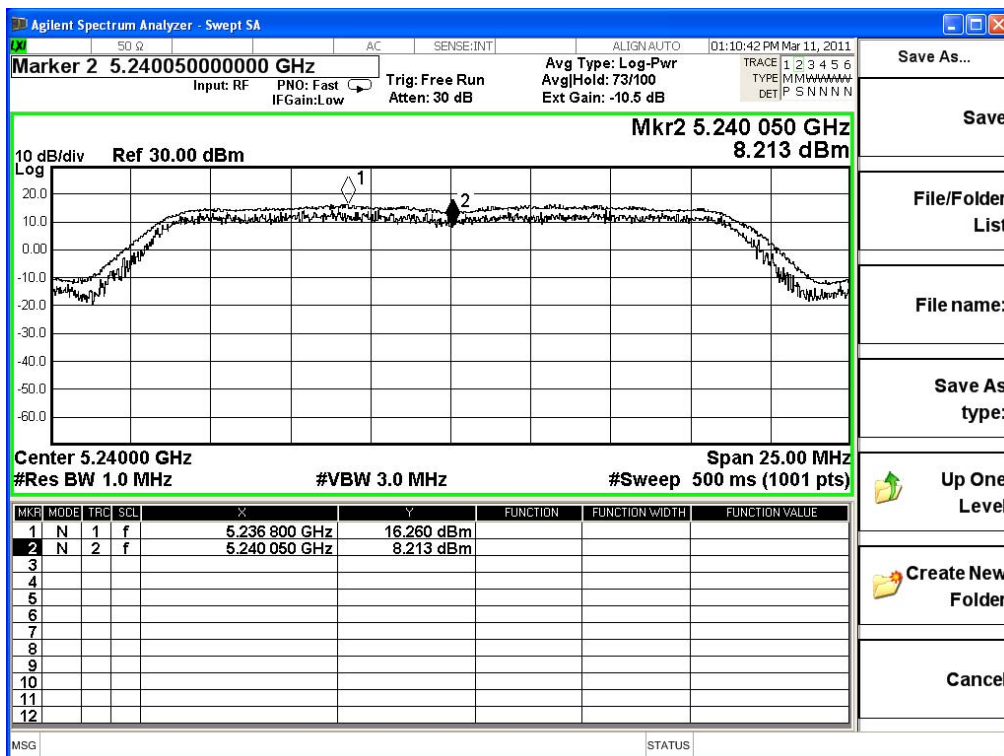
**Channel 36:**



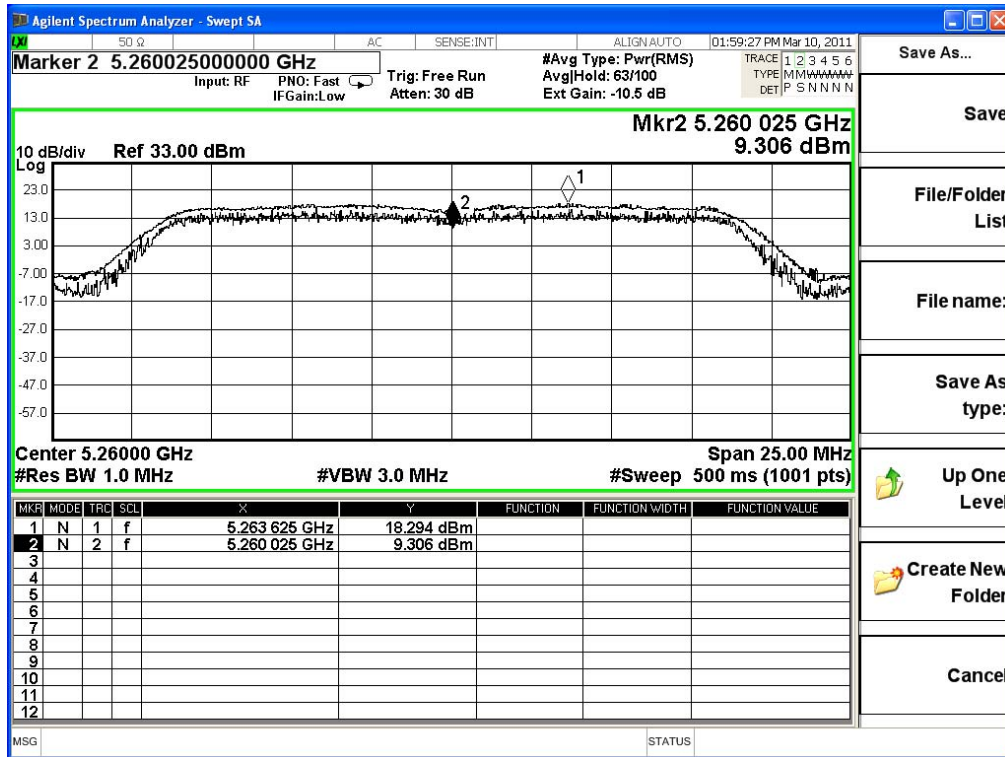
**Channel 44:**



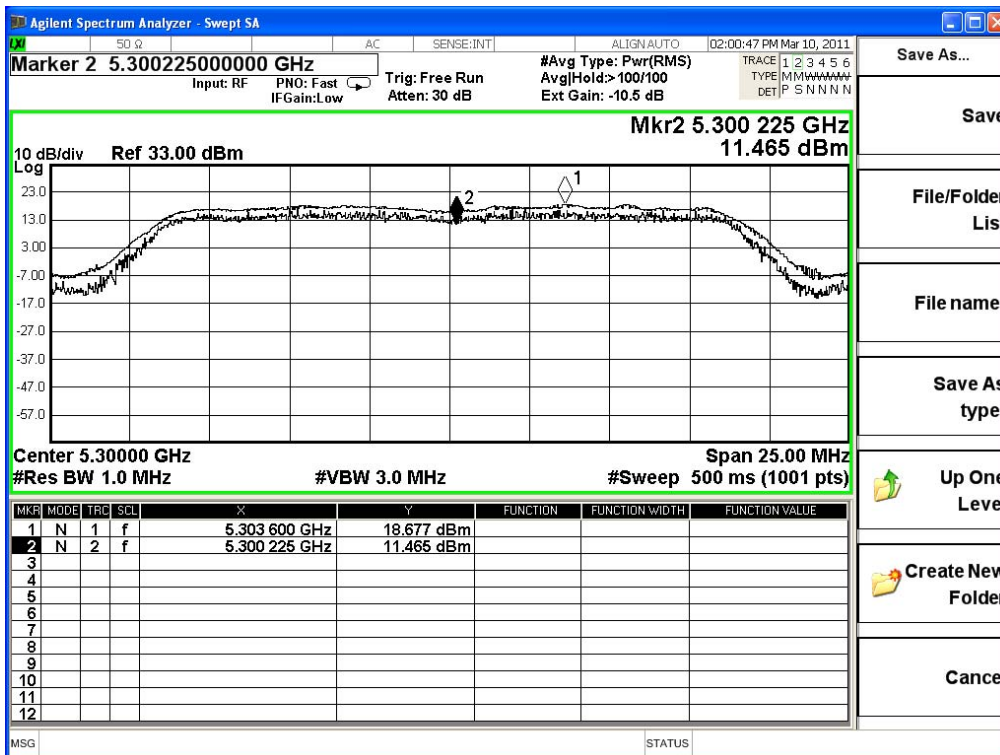
**Channel 48:**



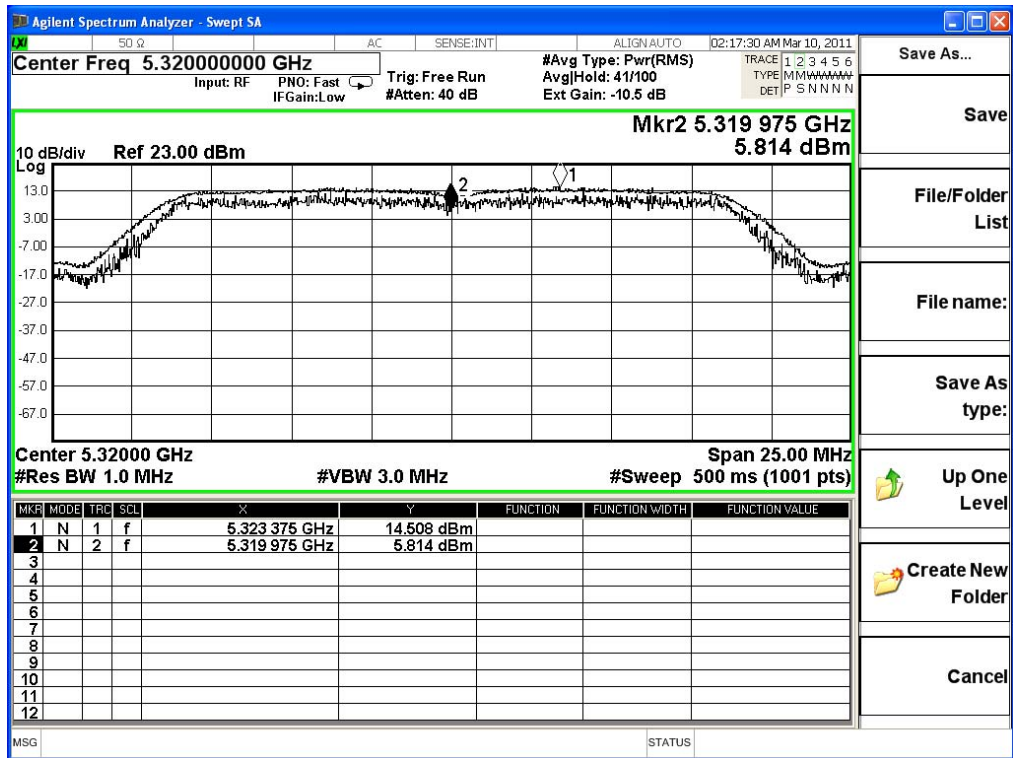
**Channel 52:**



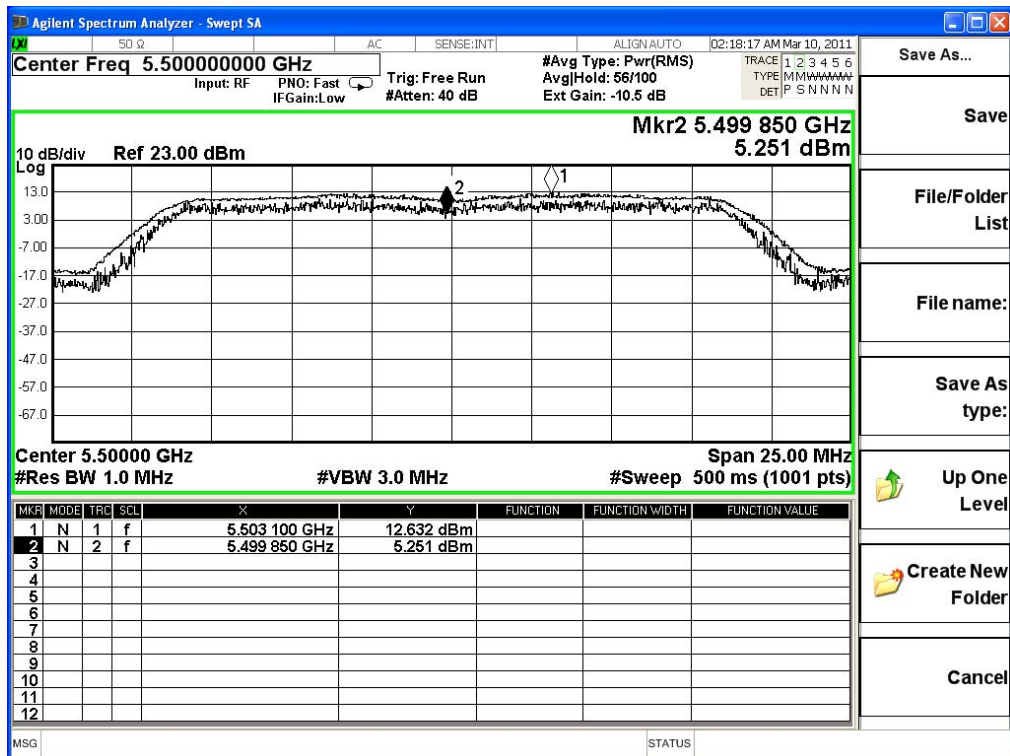
**Channel 60:**



Channel 64:

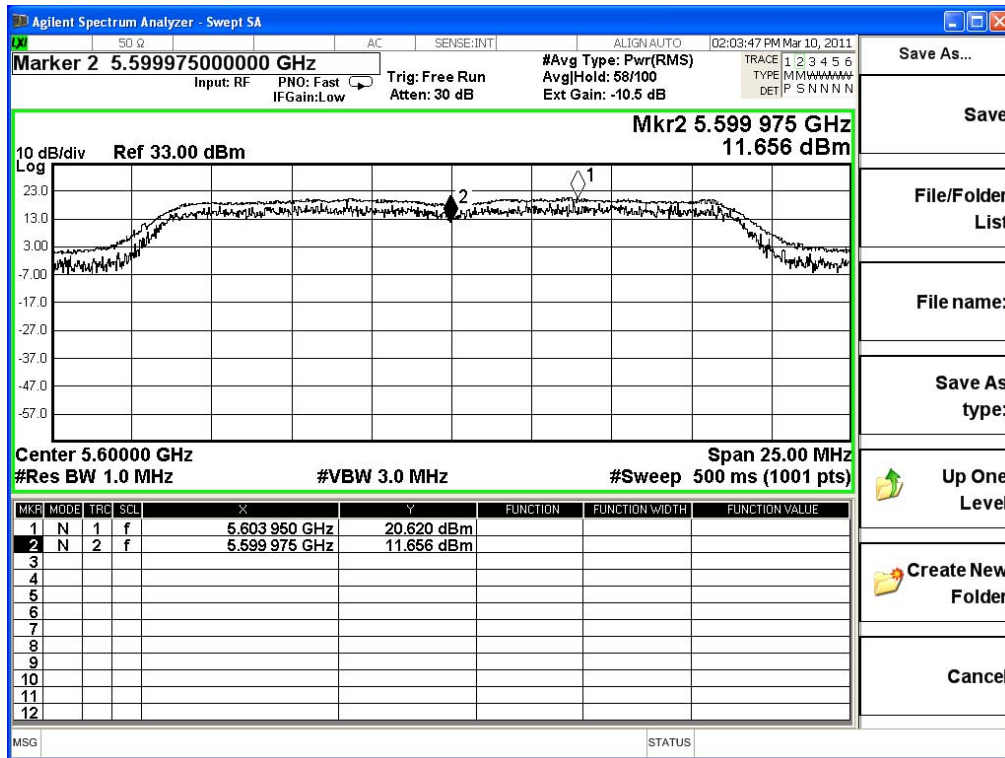


Channel 100:

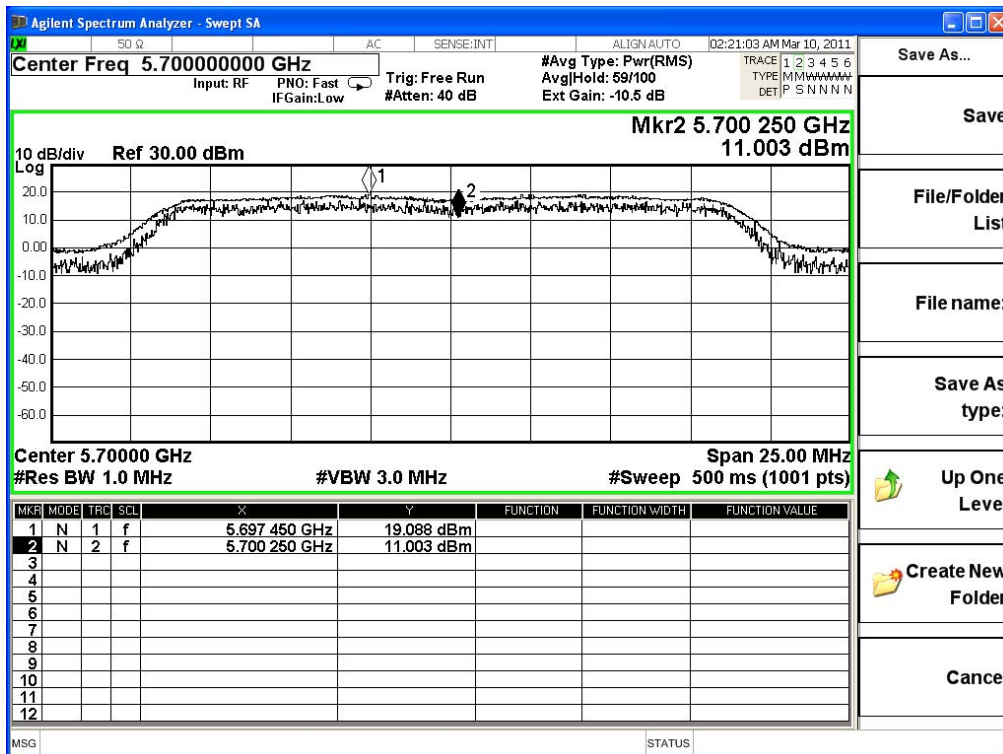




**Channel 120:**



**Channel 140:**

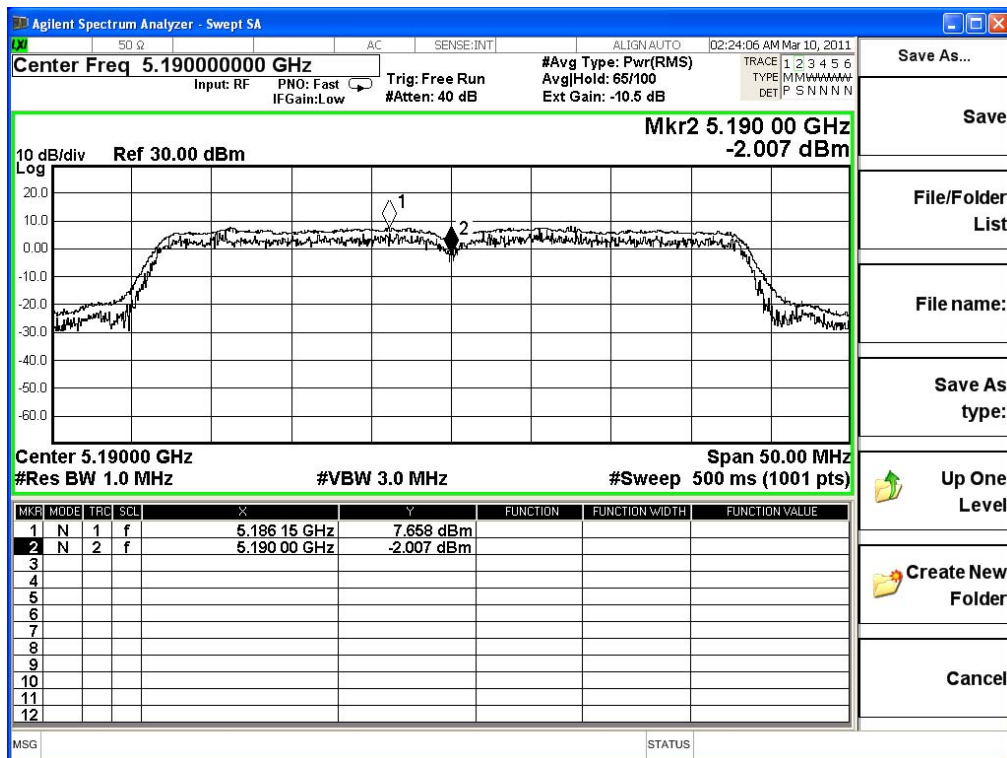




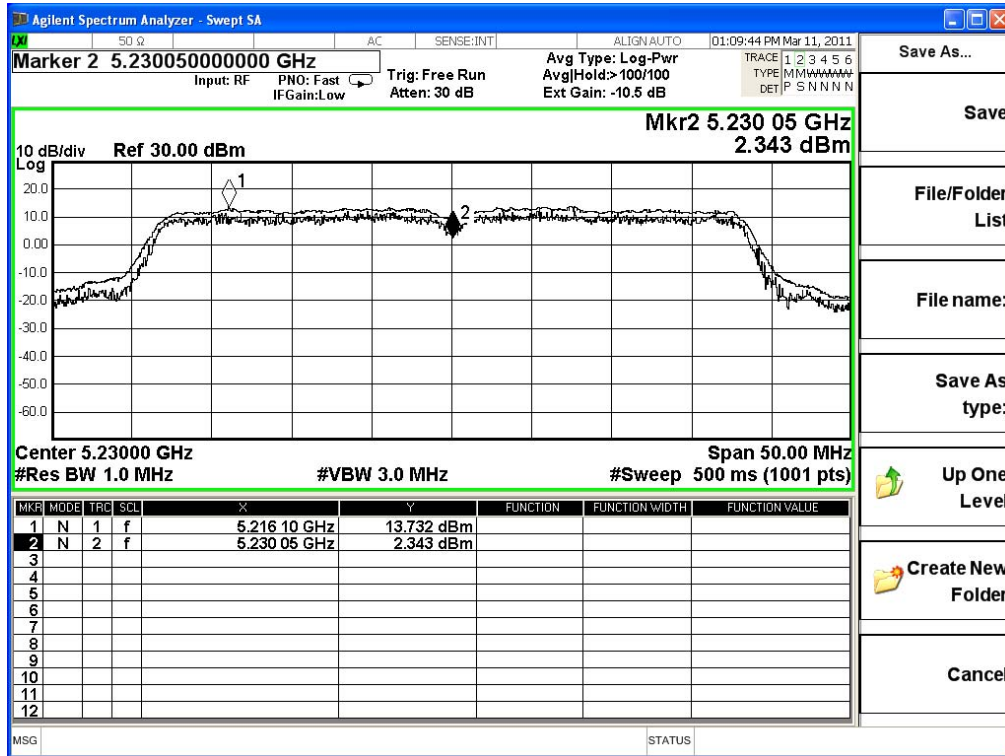
Product : 802.11 a/b/g/n module  
 Test Item : Peak Excursion  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps)

| Channel No. | Frequency (MHz) | Measurement Level (dB) | Required Limit (dB) | Result |
|-------------|-----------------|------------------------|---------------------|--------|
| 38          | 5190            | 9.665                  | <13                 | Pass   |
| 46          | 5230            | 11.389                 | <13                 | Pass   |
| 54          | 5270            | 10.753                 | <13                 | Pass   |
| 62          | 5310            | 9.762                  | <13                 | Pass   |
| 102         | 5510            | 10.549                 | <13                 | Pass   |
| 118         | 5590            | 11.573                 | <13                 | Pass   |
| 134         | 5670            | 10.552                 | <13                 | Pass   |

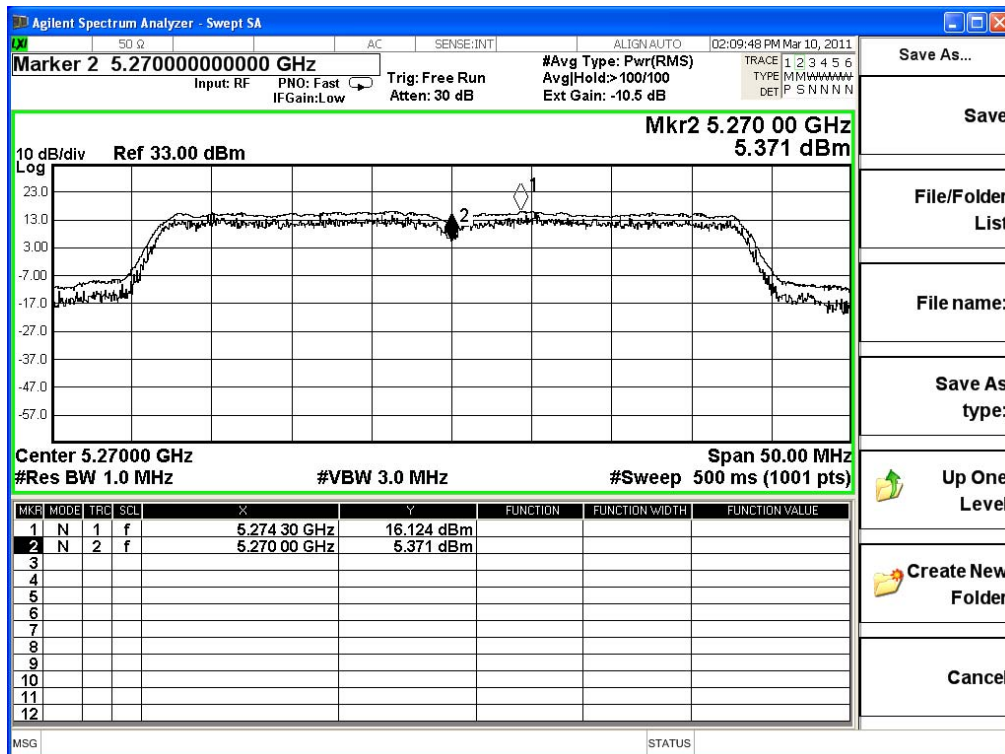
**Channel 38:**



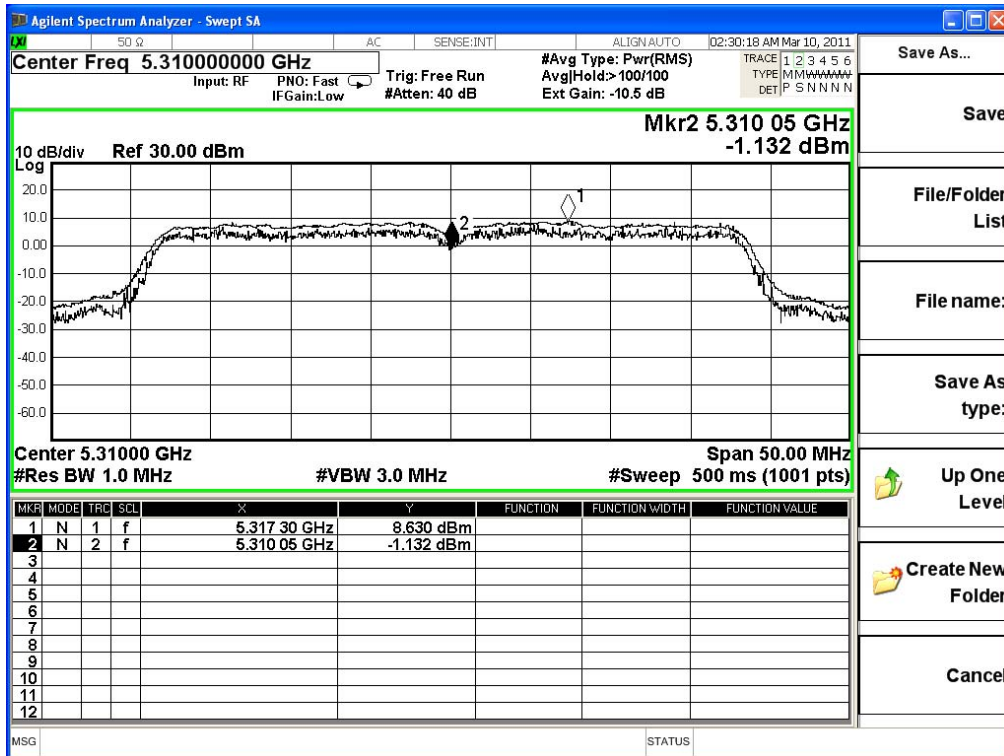
**Channel 46:**



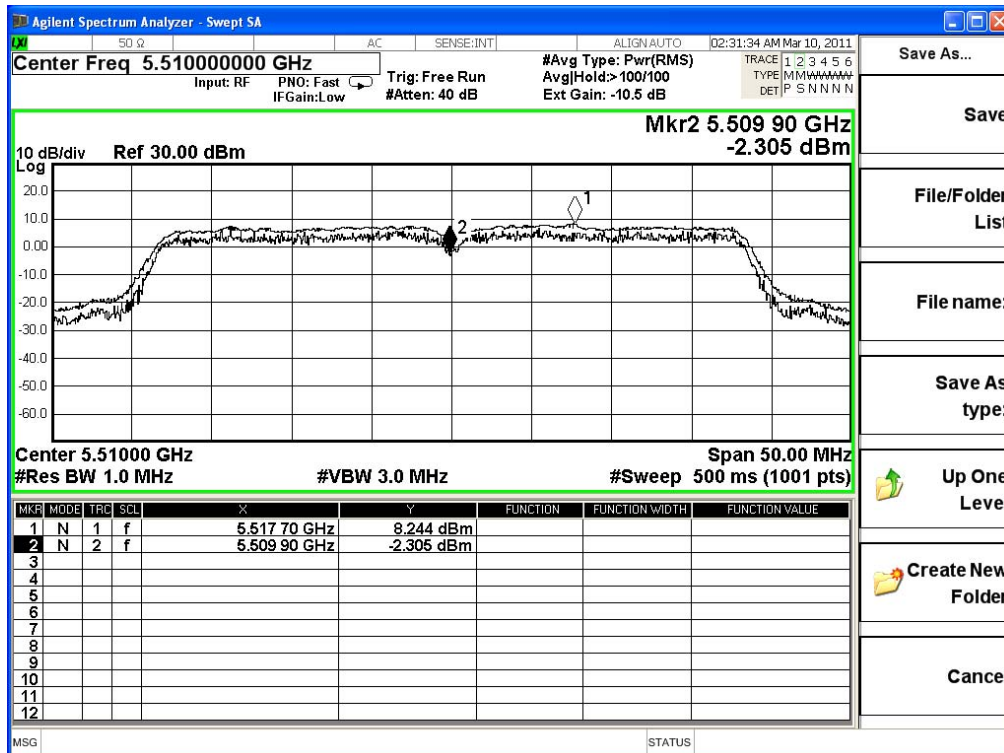
**Channel 54:**



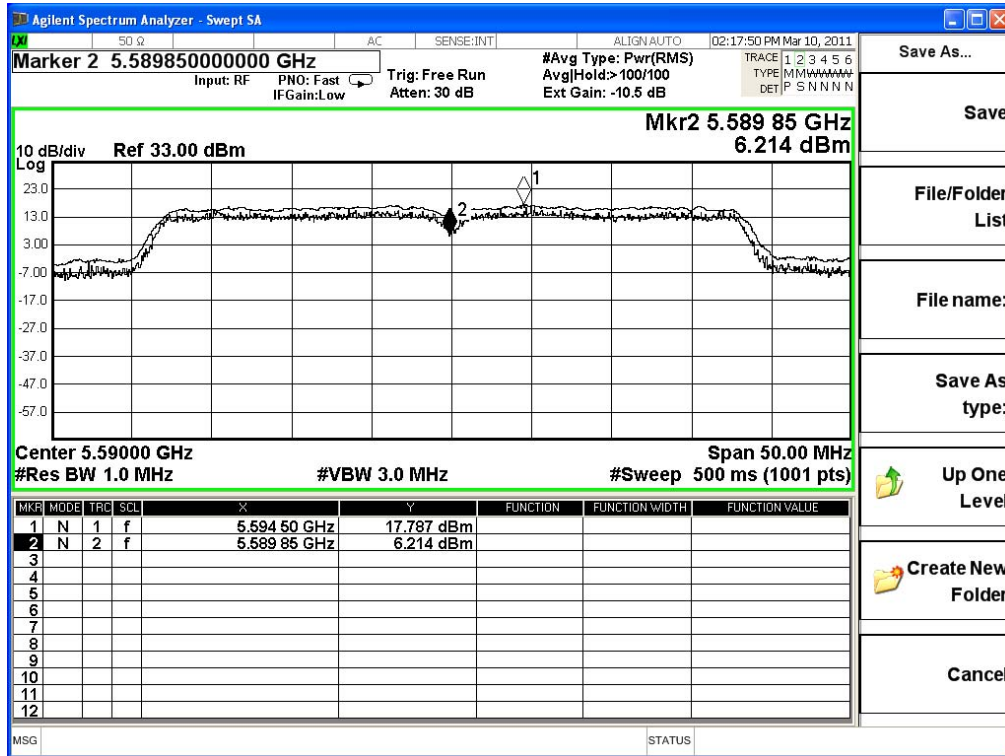
**Channel 62:**



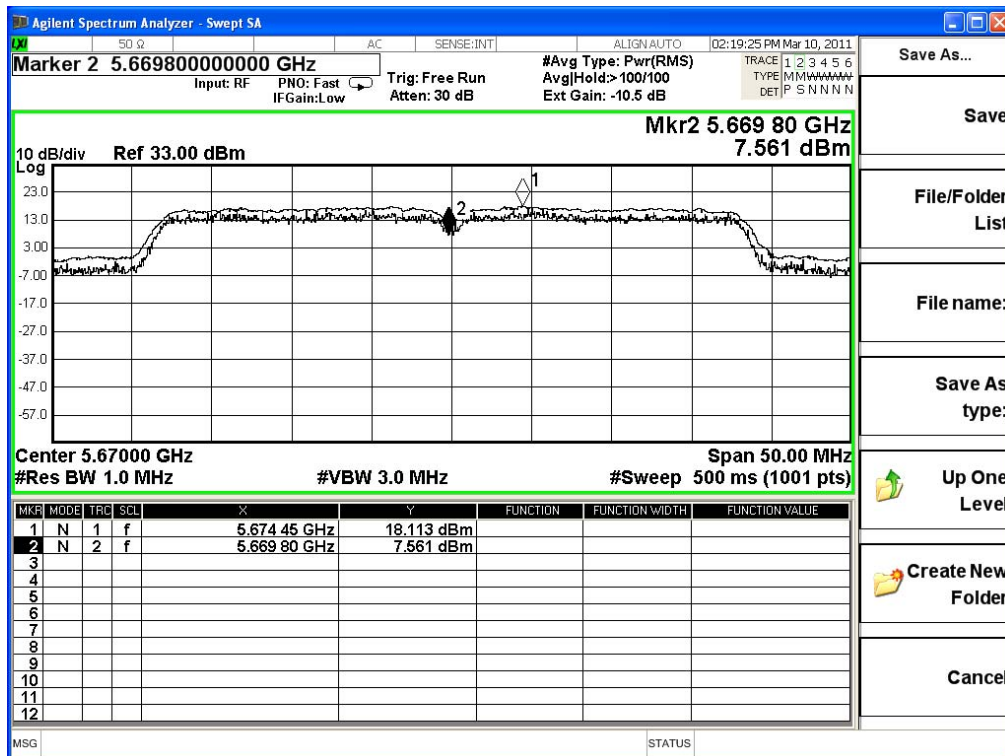
**Channel 102:**



**Channel 118:**



**Channel 134:**



## 6. Radiated Emission

### 6.1. Test Equipment

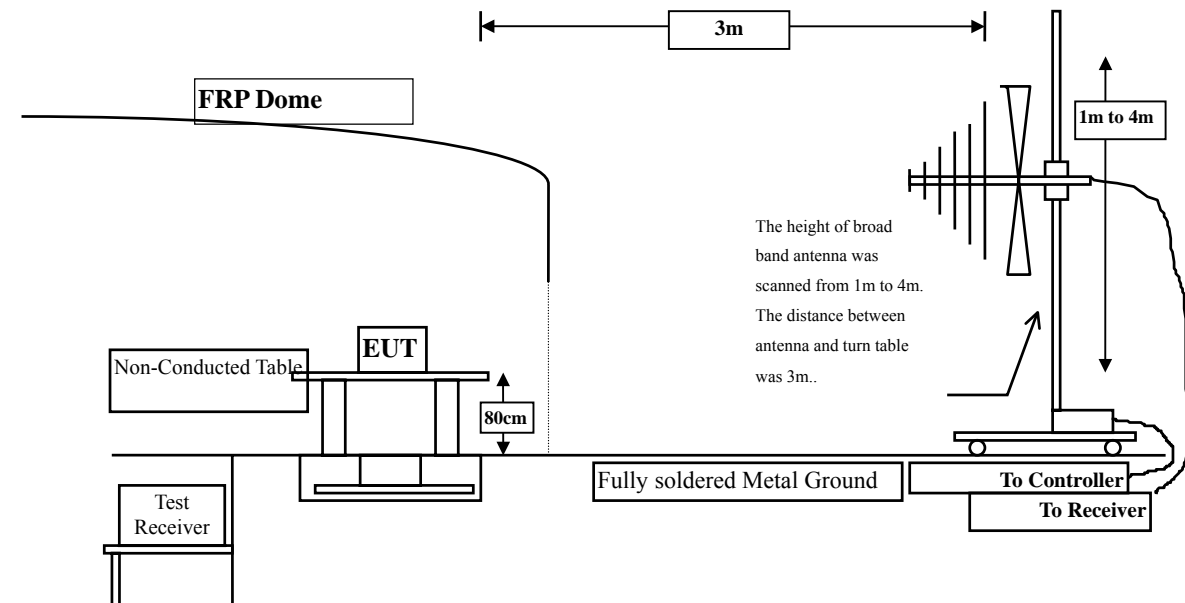
The following test equipments are used during the radiated emission test:

| Test Site  | Equipment |                   | Manufacturer    | Model No./Serial No.  | Last Cal.  |
|------------|-----------|-------------------|-----------------|-----------------------|------------|
| ☒ Site # 3 | X         | Bilog Antenna     | Schaffner Chase | CBL6112B/2673         | Sep., 2010 |
|            | X         | Horn Antenna      | Schwarzbeck     | BBHA9120D/D305        | Sep., 2010 |
|            | X         | Horn Antenna      | Schwarzbeck     | BBHA9170/208          | Jul., 2010 |
|            | X         | Pre-Amplifier     | Agilent         | 8447D/2944A09549      | Sep., 2010 |
|            | X         | Spectrum Analyzer | Agilent         | E4407B / US39440758   | May, 2010  |
|            | X         | Test Receiver     | R & S           | ESCS 30/ 825442/018   | Sep., 2010 |
|            | X         | Coaxial Cable     | Quietek         | QTK-CABLE/ CAB5       | Feb., 2011 |
|            | X         | Controller        | Quietek         | QTK-CONTROLLER/ CTRL3 | N/A        |
|            | X         | Coaxial Switch    | Anritsu         | MP59B/6200265729      | N/A        |

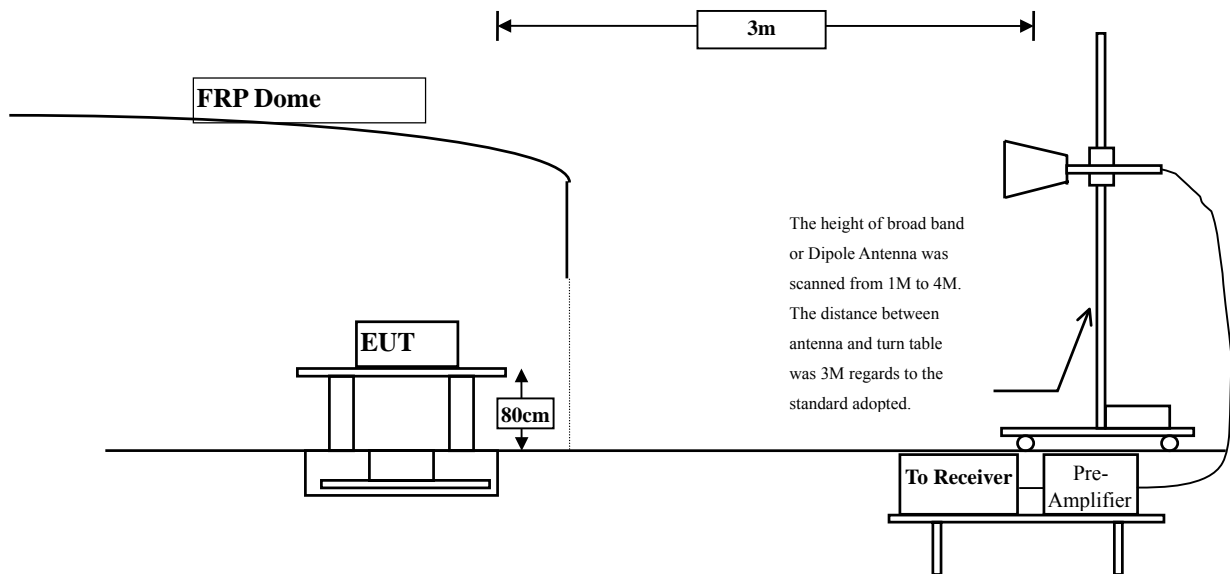
- Note: 1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.  
 2. The test instruments marked with "X" are used to measure the final test results.

### 6.2. Test Setup

Radiated Emission Below 1GHz



Radiated Emission Above 1GHz



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.

| FCC Part 15 Subpart C Paragraph 15.209(a) Limits |          |           |
|--|----------|-----------|
| Frequency MHz                                    | uV/m @3m | dBuV/m@3m |
| 30-88  | 100      | 40        |
| 88-216   | 150      | 43.5      |
| 216-960  | 200      | 46        |
| Above 960  | 500      | 54        |

Remarks: E field strength (dBuV/m) = 20 log E field strength (uV/m)

#### 6.4. Test Procedure

The EUT was setup according to ANSI C63.4: 2009 and tested according to FCC Public Notice DA 02-2138 test procedure for compliance to FCC 47CFR 15. 407 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: 2009 on radiated measurement.

The resolution bandwidth below 1GHz setting on the field strength meter is 120 kHz and above 1GHz is 1MHz.

Radiated emission measurements below 1GHz are made using broadband Bilog antenna and above 1GHz are made using Horn Antennas.

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with the measurement antenna kept pointed at the source of the emission both in azimuth and elevation, with the polarization of the antenna oriented for maximum response. The antenna is pointed at an angle towards the source of the emission, and the EUT is rotated in both height and polarization to maximize the measured emission. The emission is kept within the illumination area of the 3 dB bandwidth of the antenna.

The worst radiated emission is measured in the Open Area Test Site on the Final Measurement.

The measurement frequency range form 30MHz - 10th Harmonic of fundamental was investigated.

#### 6.5. Uncertainty

± 3.8 dB below 1GHz

± 3.9 dB above 1GHz



## 6.6. Test Result of Radiated Emission

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5180MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10360.000                    | 12.930                  | 38.310                   | 51.240                         | -22.760      | 74.000          |
| 15540.000                    | *                       | *                        | *                              | *            | 74.000          |
| 20720.000                    | *                       | *                        | *                              | *            | 74.000          |
| 25900.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31080.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36260.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10360.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15540.000                    | *                       | *                        | *                              | *            | 54.000          |
| 20720.000                    | *                       | *                        | *                              | *            | 54.000          |
| 25900.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31080.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36260.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5180MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10360.000                    | 13.724                  | 38.070                   | 51.794                         | -22.206      | 74.000          |
| 15540.000                    | *                       | *                        | *                              | *            | 74.000          |
| 20720.000                    | *                       | *                        | *                              | *            | 74.000          |
| 25900.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31080.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36260.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10360.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15540.000                    | *                       | *                        | *                              | *            | 54.000          |
| 20720.000                    | *                       | *                        | *                              | *            | 54.000          |
| 25900.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31080.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36260.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10400.000                    | 12.959                  | 40.680                   | 53.639                         | -20.361      | 74.000          |
| 15660.000                    | *                       | *                        | *                              | *            | 74.000          |
| 20880.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26100.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31320.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36540.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10440.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15660.000                    | *                       | *                        | *                              | *            | 54.000          |
| 20880.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26100.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31320.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36540.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5220MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10440.000                    | 14.245                  | 38.750                   | 52.995                         | -21.005      | 74.000          |
| 15660.000                    | *                       | *                        | *                              | *            | 74.000          |
| 20880.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26100.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31320.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36540.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10440.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15660.000                    | *                       | *                        | *                              | *            | 54.000          |
| 20880.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26100.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31320.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36540.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5240MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10480.000                    | 13.693                  | 40.070                   | 53.764                         | -20.236      | 74.000          |
| 15720.000                    | *                       | *                        | *                              | *            | 74.000          |
| 20960.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26200.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31440.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36680.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10480.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15720.000                    | *                       | *                        | *                              | *            | 54.000          |
| 20960.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26200.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31440.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36680.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5240MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10480.000                    | 14.620                  | 36.730                   | 51.351                         | -22.649      | 74.000          |
| 15720.000                    | *                       | *                        | *                              | *            | 74.000          |
| 20960.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26200.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31440.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36680.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10480.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15720.000                    | *                       | *                        | *                              | *            | 54.000          |
| 20960.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26200.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31440.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36680.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5260MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10520.000                    | 14.015                  | 39.860                   | 53.875                         | -20.125      | 74.000          |
| 15780.000                    | *                       | *                        | *                              | *            | 74.000          |
| 21040.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26300.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31560.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36820.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10520.000                    | *                       | *                        | *                              | *            | 74.000          |
| 15780.000                    | *                       | *                        | *                              | *            | 54.000          |
| 21040.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26300.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31560.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36820.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.



Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5260MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10520.000                    | 14.818                  | 36.590                   | 51.408                         | -22.592      | 74.000          |
| 15780.000                    | *                       | *                        | *                              | *            | 74.000          |
| 21040.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26300.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31560.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36820.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10520.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15780.000                    | *                       | *                        | *                              | *            | 54.000          |
| 21040.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26300.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31560.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36820.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10600.000                    | 14.550                  | 46.200                   | 60.749                         | -13.251      | 74.000          |
| 15900.000                    | *                       | *                        | *                              | *            | 74.000          |
| 21200.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26500.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31800.000                    | *                       | *                        | *                              | *            | 74.000          |
| 37100.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10600.000                    | 14.550                  | 31.340                   | 45.889                         | -8.111       | 54.000          |
| 15900.000                    | *                       | *                        | *                              | *            | 54.000          |
| 21200.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26500.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31800.000                    | *                       | *                        | *                              | *            | 54.000          |
| 37100.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “\*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5300MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10600.000                    | 14.881                  | 35.840                   | 50.721                         | -23.279      | 74.000          |
| 15900.000                    | *                       | *                        | *                              | *            | 74.000          |
| 21200.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26500.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31800.000                    | *                       | *                        | *                              | *            | 74.000          |
| 37100.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10600.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15900.000                    | *                       | *                        | *                              | *            | 54.000          |
| 21200.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26500.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31800.000                    | *                       | *                        | *                              | *            | 54.000          |
| 37100.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5320MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10640.000                    | 14.690                  | 38.910                   | 53.600                         | -20.400      | 74.000          |
| 15960.000                    | *                       | *                        | *                              | *            | 74.000          |
| 21280.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26600.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31920.000                    | *                       | *                        | *                              | *            | 74.000          |
| 37240.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10640.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15960.000                    | *                       | *                        | *                              | *            | 54.000          |
| 21280.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26600.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31920.000                    | *                       | *                        | *                              | *            | 54.000          |
| 37240.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5320MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10640.000                    | 15.083                  | 36.060                   | 51.143                         | -22.857      | 74.000          |
| 15960.000                    | *                       | *                        | *                              | *            | 74.000          |
| 21280.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26600.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31920.000                    | *                       | *                        | *                              | *            | 74.000          |
| 37240.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10640.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15960.000                    | *                       | *                        | *                              | *            | 54.000          |
| 21280.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26600.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31920.000                    | *                       | *                        | *                              | *            | 54.000          |
| 37240.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5500MHz)

| Frequency<br>MHz      | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|-----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>     |                         |                          |                                |              |                 |
| <b>Peak Detector:</b> |                         |                          |                                |              |                 |
| 11000.000             | 16.399                  | 36.420                   | 52.819                         | -21.181      | 74.000          |
| 16500.000             | *                       | *                        | *                              | *            | 74.000          |
| 22000.000             | *                       | *                        | *                              | *            | 74.000          |
| 27500.000             | *                       | *                        | *                              | *            | 74.000          |
| 33000.000             | *                       | *                        | *                              | *            | 74.000          |
| 38500.000             | *                       | *                        | *                              | *            | 74.000          |
| <b>Average</b>        |                         |                          |                                |              |                 |
| <b>Detector:</b>      |                         |                          |                                |              |                 |
| 11000.000             | *                       | *                        | *                              | *            | 54.000          |
| 16500.000             | *                       | *                        | *                              | *            | 54.000          |
| 22000.000             | *                       | *                        | *                              | *            | 54.000          |
| 27500.000             | *                       | *                        | *                              | *            | 54.000          |
| 33000.000             | *                       | *                        | *                              | *            | 54.000          |
| 38500.000             | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5500MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 11000.000                    | 17.132                  | 34.740                   | 51.872                         | -22.128      | 74.000          |
| 16500.000                    | *                       | *                        | *                              | *            | 74.000          |
| 22000.000                    | *                       | *                        | *                              | *            | 74.000          |
| 27500.000                    | *                       | *                        | *                              | *            | 74.000          |
| 33000.000                    | *                       | *                        | *                              | *            | 74.000          |
| 38500.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 11000.000                    | *                       | *                        | *                              | *            | 54.000          |
| 16500.000                    | *                       | *                        | *                              | *            | 54.000          |
| 22000.000                    | *                       | *                        | *                              | *            | 54.000          |
| 27500.000                    | *                       | *                        | *                              | *            | 54.000          |
| 33000.000                    | *                       | *                        | *                              | *            | 54.000          |
| 38500.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.



Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5600MHz)

| Frequency<br>MHz      | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|-----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>     |                         |                          |                                |              |                 |
| <b>Peak Detector:</b> |                         |                          |                                |              |                 |
| 11200.000             | 16.656                  | 43.640                   | 60.296                         | -13.704      | 74.000          |
| 16800.000             | *                       | *                        | *                              | *            | 74.000          |
| 22400.000             | *                       | *                        | *                              | *            | 74.000          |
| 28000.000             | *                       | *                        | *                              | *            | 74.000          |
| 33600.000             | *                       | *                        | *                              | *            | 74.000          |
| 39200.000             | *                       | *                        | *                              | *            | 74.000          |
| <b>Average</b>        |                         |                          |                                |              |                 |
| <b>Detector:</b>      |                         |                          |                                |              |                 |
| 11200.000             | 16.656                  | 29.940                   | 46.596                         | -7.404       | 54.000          |
| 16800.000             | *                       | *                        | *                              | *            | 54.000          |
| 22400.000             | *                       | *                        | *                              | *            | 54.000          |
| 28000.000             | *                       | *                        | *                              | *            | 54.000          |
| 33600.000             | *                       | *                        | *                              | *            | 54.000          |
| 39200.000             | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5600MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 11200.000                    | 17.726                  | 35.710                   | 53.436                         | -20.564      | 74.000          |
| 16800.000                    | *                       | *                        | *                              | *            | 74.000          |
| 22400.000                    | *                       | *                        | *                              | *            | 74.000          |
| 28000.000                    | *                       | *                        | *                              | *            | 74.000          |
| 33600.000                    | *                       | *                        | *                              | *            | 74.000          |
| 39200.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 11200.000                    | *                       | *                        | *                              | *            | 54.000          |
| 16800.000                    | *                       | *                        | *                              | *            | 54.000          |
| 22400.000                    | *                       | *                        | *                              | *            | 54.000          |
| 28000.000                    | *                       | *                        | *                              | *            | 54.000          |
| 33600.000                    | *                       | *                        | *                              | *            | 54.000          |
| 39200.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5700MHz)

| Frequency<br>MHz      | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|-----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>     |                         |                          |                                |              |                 |
| <b>Peak Detector:</b> |                         |                          |                                |              |                 |
| 11400.000             | 16.530                  | 37.350                   | 53.881                         | -20.119      | 74.000          |
| 17100.000             | *                       | *                        | *                              | *            | 74.000          |
| 22800.000             | *                       | *                        | *                              | *            | 74.000          |
| 28500.000             | *                       | *                        | *                              | *            | 74.000          |
| 34200.000             | *                       | *                        | *                              | *            | 74.000          |
| 39900.000             | *                       | *                        | *                              | *            | 74.000          |
| <b>Average</b>        |                         |                          |                                |              |                 |
| <b>Detector:</b>      |                         |                          |                                |              |                 |
| 11400.000             | *                       | *                        | *                              | *            | 54.000          |
| 17100.000             | *                       | *                        | *                              | *            | 54.000          |
| 22800.000             | *                       | *                        | *                              | *            | 54.000          |
| 28500.000             | *                       | *                        | *                              | *            | 54.000          |
| 34200.000             | *                       | *                        | *                              | *            | 54.000          |
| 39900.000             | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5700MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 11400.000                    | 17.138                  | 36.130                   | 53.268                         | -20.732      | 74.000          |
| 17100.000                    | *                       | *                        | *                              | *            | 74.000          |
| 22800.000                    | *                       | *                        | *                              | *            | 74.000          |
| 28500.000                    | *                       | *                        | *                              | *            | 74.000          |
| 34200.000                    | *                       | *                        | *                              | *            | 74.000          |
| 39900.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 11400.000                    | *                       | *                        | *                              | *            | 54.000          |
| 17100.000                    | *                       | *                        | *                              | *            | 54.000          |
| 22800.000                    | *                       | *                        | *                              | *            | 54.000          |
| 28500.000                    | *                       | *                        | *                              | *            | 54.000          |
| 34200.000                    | *                       | *                        | *                              | *            | 54.000          |
| 39900.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5180MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10360.000                    | 12.930                  | 37.880                   | 50.810                         | -23.190      | 74.000          |
| 15540.000                    | *                       | *                        | *                              | *            | 74.000          |
| 20720.000                    | *                       | *                        | *                              | *            | 74.000          |
| 25900.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31080.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36260.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10360.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15540.000                    | *                       | *                        | *                              | *            | 54.000          |
| 20720.000                    | *                       | *                        | *                              | *            | 54.000          |
| 25900.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31080.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36260.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “\*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5180MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10360.000                    | 13.724                  | 36.930                   | 50.654                         | -23.346      | 74.000          |
| 15540.000                    | *                       | *                        | *                              | *            | 74.000          |
| 20720.000                    | *                       | *                        | *                              | *            | 74.000          |
| 25900.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31080.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36260.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10360.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15540.000                    | *                       | *                        | *                              | *            | 54.000          |
| 20720.000                    | *                       | *                        | *                              | *            | 54.000          |
| 25900.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31080.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36260.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5220MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10440.000                    | 13.322                  | 37.670                   | 50.992                         | -23.008      | 74.000          |
| 15660.000                    | *                       | *                        | *                              | *            | 74.000          |
| 20880.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26100.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31320.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36540.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10440.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15660.000                    | *                       | *                        | *                              | *            | 54.000          |
| 20880.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26100.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31320.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36540.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.



Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5220MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10440.000                    | 14.245                  | 37.150                   | 51.395                         | -22.605      | 74.000          |
| 15660.000                    | *                       | *                        | *                              | *            | 74.000          |
| 20880.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26100.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31320.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36540.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10440.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15660.000                    | *                       | *                        | *                              | *            | 54.000          |
| 20880.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26100.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31320.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36540.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5240MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10480.000                    | 13.693                  | 37.930                   | 51.624                         | -22.376      | 74.000          |
| 15720.000                    | *                       | *                        | *                              | *            | 74.000          |
| 20960.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26200.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31440.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36680.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10480.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15720.000                    | *                       | *                        | *                              | *            | 54.000          |
| 20960.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26200.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31440.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36680.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5240MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10480.000                    | 14.620                  | 39.270                   | 53.891                         | -20.109      | 74.000          |
| 15720.000                    | *                       | *                        | *                              | *            | 74.000          |
| 20960.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26200.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31440.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36680.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10480.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15720.000                    | *                       | *                        | *                              | *            | 54.000          |
| 20960.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26200.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31440.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36680.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5260MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10520.000                    | 14.015                  | 39.740                   | 53.755                         | -20.245      | 74.000          |
| 15780.000                    | *                       | *                        | *                              | *            | 74.000          |
| 21040.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26300.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31560.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36820.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10520.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15780.000                    | *                       | *                        | *                              | *            | 54.000          |
| 21040.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26300.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31560.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36820.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “\*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5260MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10520.000                    | 14.818                  | 36.730                   | 51.548                         | -22.452      | 74.000          |
| 15780.000                    | *                       | *                        | *                              | *            | 74.000          |
| 21040.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26300.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31560.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36820.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10520.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15780.000                    | *                       | *                        | *                              | *            | 54.000          |
| 21040.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26300.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31560.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36820.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5300MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10600.000                    | 14.550                  | 39.050                   | 53.599                         | -20.401      | 74.000          |
| 15900.000                    | *                       | *                        | *                              | *            | 74.000          |
| 21200.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26500.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31800.000                    | *                       | *                        | *                              | *            | 74.000          |
| 37100.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10600.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15900.000                    | *                       | *                        | *                              | *            | 54.000          |
| 21200.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26500.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31800.000                    | *                       | *                        | *                              | *            | 54.000          |
| 37100.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “\*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5300MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10600.000                    | 14.881                  | 36.150                   | 51.031                         | -22.969      | 74.000          |
| 15900.000                    | *                       | *                        | *                              | *            | 74.000          |
| 21200.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26500.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31800.000                    | *                       | *                        | *                              | *            | 74.000          |
| 37100.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10600.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15900.000                    | *                       | *                        | *                              | *            | 54.000          |
| 21200.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26500.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31800.000                    | *                       | *                        | *                              | *            | 54.000          |
| 37100.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.



Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5320MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10640.000                    | 14.690                  | 39.170                   | 53.860                         | -20.140      | 74.000          |
| 15960.000                    | *                       | *                        | *                              | *            | 74.000          |
| 21280.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26600.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31920.000                    | *                       | *                        | *                              | *            | 74.000          |
| 37240.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10640.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15960.000                    | *                       | *                        | *                              | *            | 54.000          |
| 21280.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26600.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31920.000                    | *                       | *                        | *                              | *            | 54.000          |
| 37240.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “\*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5320MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10640.000                    | 15.083                  | 36.170                   | 51.253                         | -22.747      | 74.000          |
| 15960.000                    | *                       | *                        | *                              | *            | 74.000          |
| 21280.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26600.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31920.000                    | *                       | *                        | *                              | *            | 74.000          |
| 37240.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10640.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15960.000                    | *                       | *                        | *                              | *            | 54.000          |
| 21280.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26600.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31920.000                    | *                       | *                        | *                              | *            | 54.000          |
| 37240.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5500MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 11000.000                    | 16.399                  | 36.300                   | 52.699                         | -21.301      | 74.000          |
| 16500.000                    | *                       | *                        | *                              | *            | 74.000          |
| 22000.000                    | *                       | *                        | *                              | *            | 74.000          |
| 27500.000                    | *                       | *                        | *                              | *            | 74.000          |
| 33000.000                    | *                       | *                        | *                              | *            | 74.000          |
| 38500.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 11000.000                    | *                       | *                        | *                              | *            | 54.000          |
| 16500.000                    | *                       | *                        | *                              | *            | 54.000          |
| 22000.000                    | *                       | *                        | *                              | *            | 54.000          |
| 27500.000                    | *                       | *                        | *                              | *            | 54.000          |
| 33000.000                    | *                       | *                        | *                              | *            | 54.000          |
| 38500.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “\*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5500MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 11000.000                    | 17.132                  | 36.390                   | 53.522                         | -20.478      | 74.000          |
| 16500.000                    | *                       | *                        | *                              | *            | 74.000          |
| 22000.000                    | *                       | *                        | *                              | *            | 74.000          |
| 27500.000                    | *                       | *                        | *                              | *            | 74.000          |
| 33000.000                    | *                       | *                        | *                              | *            | 74.000          |
| 38500.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 11000.000                    | *                       | *                        | *                              | *            | 54.000          |
| 16500.000                    | *                       | *                        | *                              | *            | 54.000          |
| 22000.000                    | *                       | *                        | *                              | *            | 54.000          |
| 27500.000                    | *                       | *                        | *                              | *            | 54.000          |
| 33000.000                    | *                       | *                        | *                              | *            | 54.000          |
| 38500.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5600MHz)

| Frequency<br>MHz      | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|-----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>     |                         |                          |                                |              |                 |
| <b>Peak Detector:</b> |                         |                          |                                |              |                 |
| 11200.000             | 16.656                  | 45.850                   | 62.506                         | -11.494      | 74.000          |
| 16800.000             | *                       | *                        | *                              | *            | 74.000          |
| 22400.000             | *                       | *                        | *                              | *            | 74.000          |
| 28000.000             | *                       | *                        | *                              | *            | 74.000          |
| 33600.000             | *                       | *                        | *                              | *            | 74.000          |
| 39200.000             | *                       | *                        | *                              | *            | 74.000          |
| <b>Average</b>        |                         |                          |                                |              |                 |
| <b>Detector:</b>      |                         |                          |                                |              |                 |
| 11200.000             | 16.656                  | 30.710                   | 47.366                         | -6.634       | 54.000          |
| 16800.000             | *                       | *                        | *                              | *            | 54.000          |
| 22400.000             | *                       | *                        | *                              | *            | 54.000          |
| 28000.000             | *                       | *                        | *                              | *            | 54.000          |
| 33600.000             | *                       | *                        | *                              | *            | 54.000          |
| 39200.000             | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5600MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 11200.000                    | 17.726                  | 35.710                   | 53.436                         | -20.564      | 74.000          |
| 16800.000                    | *                       | *                        | *                              | *            | 74.000          |
| 22400.000                    | *                       | *                        | *                              | *            | 74.000          |
| 28000.000                    | *                       | *                        | *                              | *            | 74.000          |
| 33600.000                    | *                       | *                        | *                              | *            | 74.000          |
| 39200.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 11200.000                    | *                       | *                        | *                              | *            | 54.000          |
| 16800.000                    | *                       | *                        | *                              | *            | 54.000          |
| 22400.000                    | *                       | *                        | *                              | *            | 54.000          |
| 28000.000                    | *                       | *                        | *                              | *            | 54.000          |
| 33600.000                    | *                       | *                        | *                              | *            | 54.000          |
| 39200.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5700MHz)

| Frequency<br>MHz      | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|-----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>     |                         |                          |                                |              |                 |
| <b>Peak Detector:</b> |                         |                          |                                |              |                 |
| 11400.000             | 16.530                  | 37.020                   | 53.551                         | -20.449      | 74.000          |
| 17100.000             | *                       | *                        | *                              | *            | 74.000          |
| 22800.000             | *                       | *                        | *                              | *            | 74.000          |
| 28500.000             | *                       | *                        | *                              | *            | 74.000          |
| 34200.000             | *                       | *                        | *                              | *            | 74.000          |
| 39900.000             | *                       | *                        | *                              | *            | 74.000          |
| <b>Average</b>        |                         |                          |                                |              |                 |
| <b>Detector:</b>      |                         |                          |                                |              |                 |
| 11400.000             | *                       | *                        | *                              | *            | 54.000          |
| 17100.000             | *                       | *                        | *                              | *            | 54.000          |
| 22800.000             | *                       | *                        | *                              | *            | 54.000          |
| 28500.000             | *                       | *                        | *                              | *            | 54.000          |
| 34200.000             | *                       | *                        | *                              | *            | 54.000          |
| 39900.000             | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5700MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 11400.000                    | 17.138                  | 36.630                   | 53.768                         | -20.232      | 74.000          |
| 17100.000                    | *                       | *                        | *                              | *            | 74.000          |
| 22800.000                    | *                       | *                        | *                              | *            | 74.000          |
| 28500.000                    | *                       | *                        | *                              | *            | 74.000          |
| 34200.000                    | *                       | *                        | *                              | *            | 74.000          |
| 39900.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 11400.000                    | *                       | *                        | *                              | *            | 54.000          |
| 17100.000                    | *                       | *                        | *                              | *            | 54.000          |
| 22800.000                    | *                       | *                        | *                              | *            | 54.000          |
| 28500.000                    | *                       | *                        | *                              | *            | 54.000          |
| 34200.000                    | *                       | *                        | *                              | *            | 54.000          |
| 39900.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.



Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5190MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 11380.000                    | 16.480                  | 37.330                   | 53.811                         | -20.189      | 74.000          |
| 15570.000                    | *                       | *                        | *                              | *            | 74.000          |
| 20760.000                    | *                       | *                        | *                              | *            | 74.000          |
| 25950.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31140.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36330.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10380.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15570.000                    | *                       | *                        | *                              | *            | 54.000          |
| 20760.000                    | *                       | *                        | *                              | *            | 54.000          |
| 25950.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31140.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36330.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5190MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 11380.000                    | 17.125                  | 36.030                   | 53.156                         | -20.844      | 74.000          |
| 15570.000                    | *                       | *                        | *                              | *            | 74.000          |
| 20760.000                    | *                       | *                        | *                              | *            | 74.000          |
| 25950.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31140.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36330.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10380.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15570.000                    | *                       | *                        | *                              | *            | 54.000          |
| 20760.000                    | *                       | *                        | *                              | *            | 54.000          |
| 25950.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31140.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36330.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5230MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10460.000                    | 13.508                  | 37.550                   | 51.058                         | -22.942      | 74.000          |
| 15690.000                    | *                       | *                        | *                              | *            | 74.000          |
| 20920.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26150.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31380.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36610.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10460.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15690.000                    | *                       | *                        | *                              | *            | 54.000          |
| 20920.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26150.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31380.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36610.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “\*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5230MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10460.000                    | 14.433                  | 38.170                   | 52.603                         | -21.397      | 74.000          |
| 15690.000                    | *                       | *                        | *                              | *            | 74.000          |
| 20920.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26150.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31380.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36610.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10460.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15690.000                    | *                       | *                        | *                              | *            | 54.000          |
| 20920.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26150.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31380.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36610.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5270MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10540.000                    | 14.151                  | 39.570                   | 53.720                         | -20.280      | 74.000          |
| 15810.000                    | *                       | *                        | *                              | *            | 74.000          |
| 21080.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26350.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31620.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36890.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10540.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15810.000                    | *                       | *                        | *                              | *            | 54.000          |
| 21080.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26350.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31620.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36890.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5270MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10540.000                    | 14.829                  | 36.610                   | 51.438                         | -22.562      | 74.000          |
| 15810.000                    | *                       | *                        | *                              | *            | 74.000          |
| 21080.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26350.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31620.000                    | *                       | *                        | *                              | *            | 74.000          |
| 36890.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10540.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15810.000                    | *                       | *                        | *                              | *            | 54.000          |
| 21080.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26350.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31620.000                    | *                       | *                        | *                              | *            | 54.000          |
| 36890.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5310MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10620.000                    | 14.623                  | 36.710                   | 51.333                         | -22.667      | 74.000          |
| 15930.000                    | *                       | *                        | *                              | *            | 74.000          |
| 21240.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26550.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31860.000                    | *                       | *                        | *                              | *            | 74.000          |
| 37170.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10620.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15930.000                    | *                       | *                        | *                              | *            | 54.000          |
| 21240.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26550.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31860.000                    | *                       | *                        | *                              | *            | 54.000          |
| 37170.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “\*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5310MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 10620.000                    | 14.970                  | 36.710                   | 51.680                         | -22.320      | 74.000          |
| 15930.000                    | *                       | *                        | *                              | *            | 74.000          |
| 21240.000                    | *                       | *                        | *                              | *            | 74.000          |
| 26550.000                    | *                       | *                        | *                              | *            | 74.000          |
| 31860.000                    | *                       | *                        | *                              | *            | 74.000          |
| 37170.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 10620.000                    | *                       | *                        | *                              | *            | 54.000          |
| 15930.000                    | *                       | *                        | *                              | *            | 54.000          |
| 21240.000                    | *                       | *                        | *                              | *            | 54.000          |
| 26550.000                    | *                       | *                        | *                              | *            | 54.000          |
| 31860.000                    | *                       | *                        | *                              | *            | 54.000          |
| 37170.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.



Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5510MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>            |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 11020.000                    | 16.474                  | 36.460                   | 52.933                         | -21.067      | 74.000          |
| 16530.000                    | *                       | *                        | *                              | *            | 74.000          |
| 22040.000                    | *                       | *                        | *                              | *            | 74.000          |
| 27550.000                    | *                       | *                        | *                              | *            | 74.000          |
| 33060.000                    | *                       | *                        | *                              | *            | 74.000          |
| 38570.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 11020.000                    | *                       | *                        | *                              | *            | 54.000          |
| 16530.000                    | *                       | *                        | *                              | *            | 54.000          |
| 22040.000                    | *                       | *                        | *                              | *            | 54.000          |
| 27550.000                    | *                       | *                        | *                              | *            | 54.000          |
| 33060.000                    | *                       | *                        | *                              | *            | 54.000          |
| 38570.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “\*”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5510MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 11020.000                    | 17.224                  | 36.190                   | 53.414                         | -20.586      | 74.000          |
| 16530.000                    | *                       | *                        | *                              | *            | 74.000          |
| 22040.000                    | *                       | *                        | *                              | *            | 74.000          |
| 27550.000                    | *                       | *                        | *                              | *            | 74.000          |
| 33060.000                    | *                       | *                        | *                              | *            | 74.000          |
| 38570.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 11020.000                    | *                       | *                        | *                              | *            | 54.000          |
| 16530.000                    | *                       | *                        | *                              | *            | 54.000          |
| 22040.000                    | *                       | *                        | *                              | *            | 54.000          |
| 27550.000                    | *                       | *                        | *                              | *            | 54.000          |
| 33060.000                    | *                       | *                        | *                              | *            | 54.000          |
| 38570.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5590MHz)

| Frequency<br>MHz      | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|-----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>     |                         |                          |                                |              |                 |
| <b>Peak Detector:</b> |                         |                          |                                |              |                 |
| 11180.000             | 16.657                  | 36.960                   | 53.616                         | -20.384      | 74.000          |
| 16770.000             | *                       | *                        | *                              | *            | 74.000          |
| 22360.000             | *                       | *                        | *                              | *            | 74.000          |
| 27950.000             | *                       | *                        | *                              | *            | 74.000          |
| 33540.000             | *                       | *                        | *                              | *            | 74.000          |
| 39130.000             | *                       | *                        | *                              | *            | 74.000          |
| <b>Average</b>        |                         |                          |                                |              |                 |
| <b>Detector:</b>      |                         |                          |                                |              |                 |
| 11180.000             | *                       | *                        | *                              | *            | 54.000          |
| 16770.000             | *                       | *                        | *                              | *            | 54.000          |
| 22360.000             | *                       | *                        | *                              | *            | 54.000          |
| 27950.000             | *                       | *                        | *                              | *            | 54.000          |
| 33540.000             | *                       | *                        | *                              | *            | 54.000          |
| 39130.000             | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5590MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 11180.000                    | 17.681                  | 35.450                   | 53.130                         | -20.870      | 74.000          |
| 16770.000                    | *                       | *                        | *                              | *            | 74.000          |
| 22360.000                    | *                       | *                        | *                              | *            | 74.000          |
| 27950.000                    | *                       | *                        | *                              | *            | 74.000          |
| 33540.000                    | *                       | *                        | *                              | *            | 74.000          |
| 39130.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 11180.000                    | *                       | *                        | *                              | *            | 54.000          |
| 16770.000                    | *                       | *                        | *                              | *            | 54.000          |
| 22360.000                    | *                       | *                        | *                              | *            | 54.000          |
| 27950.000                    | *                       | *                        | *                              | *            | 54.000          |
| 33540.000                    | *                       | *                        | *                              | *            | 54.000          |
| 39130.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5670MHz)

| Frequency<br>MHz      | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|-----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>     |                         |                          |                                |              |                 |
| <b>Peak Detector:</b> |                         |                          |                                |              |                 |
| 11340.000             | 16.408                  | 37.340                   | 53.747                         | -20.253      | 74.000          |
| 17010.000             | *                       | *                        | *                              | *            | 74.000          |
| 22680.000             | *                       | *                        | *                              | *            | 74.000          |
| 28350.000             | *                       | *                        | *                              | *            | 74.000          |
| 34020.000             | *                       | *                        | *                              | *            | 74.000          |
| 39690.000             | *                       | *                        | *                              | *            | 74.000          |
| <b>Average</b>        |                         |                          |                                |              |                 |
| <b>Detector:</b>      |                         |                          |                                |              |                 |
| 11340.000             | *                       | *                        | *                              | *            | 54.000          |
| 17010.000             | *                       | *                        | *                              | *            | 54.000          |
| 22680.000             | *                       | *                        | *                              | *            | 54.000          |
| 28350.000             | *                       | *                        | *                              | *            | 54.000          |
| 34020.000             | *                       | *                        | *                              | *            | 54.000          |
| 39690.000             | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : Harmonic Radiated Emission Data  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5670MHz)

| Frequency<br>MHz             | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|------------------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Vertical</b>              |                         |                          |                                |              |                 |
| <b>Peak Detector:</b>        |                         |                          |                                |              |                 |
| 11340.000                    | 17.167                  | 36.340                   | 53.507                         | -20.493      | 74.000          |
| 17010.000                    | *                       | *                        | *                              | *            | 74.000          |
| 22680.000                    | *                       | *                        | *                              | *            | 74.000          |
| 28350.000                    | *                       | *                        | *                              | *            | 74.000          |
| 34020.000                    | *                       | *                        | *                              | *            | 74.000          |
| 39690.000                    | *                       | *                        | *                              | *            | 74.000          |
| <b>Average<br/>Detector:</b> |                         |                          |                                |              |                 |
| 11340.000                    | *                       | *                        | *                              | *            | 54.000          |
| 17010.000                    | *                       | *                        | *                              | *            | 54.000          |
| 22680.000                    | *                       | *                        | *                              | *            | 54.000          |
| 28350.000                    | *                       | *                        | *                              | *            | 54.000          |
| 34020.000                    | *                       | *                        | *                              | *            | 54.000          |
| 39690.000                    | *                       | *                        | *                              | *            | 54.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above 1GHz are performed with peak and/or average measurements as necessary.
2. Peak measurements: RBW = 1MHz, VBW = 3 MHz, Sweep: Auto.
3. Average measurements: RBW = 1MHz, VBW = 10 Hz, Sweep: Auto.
4. “ \* ”, means this data is the too weak instrument of signal is unable to test.
5. Measurement Level = Reading Level + Correct Factor.
6. The average measurement was not performed when the peak measured data under the limit of average detection.
7. The emission levels of other frequencies are very lower than the limit and not show in test report.

Product : 802.11 a/b/g/n module  
 Test Item : General Radiated Emission  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11 a-6Mbps) (5220MHz)

| Frequency<br>MHz     | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>    |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 57.160               | -13.583                 | 47.502                   | 33.919                         | -6.081       | 40.000          |
| 152.220              | -10.135                 | 47.471                   | 37.336                         | -6.164       | 43.500          |
| 237.580              | -7.700                  | 49.386                   | 41.686                         | -4.314       | 46.000          |
| 350.100              | -2.332                  | 42.902                   | 40.570                         | -5.430       | 46.000          |
| 480.080              | -0.329                  | 33.580                   | 33.251                         | -12.749      | 46.000          |
| 798.240              | 5.148                   | 35.213                   | 40.361                         | -5.639       | 46.000          |
| <b>Vertical</b>      |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 128.940              | -4.128                  | 40.425                   | 36.297                         | -7.203       | 43.500          |
| 198.780              | -8.221                  | 46.961                   | 38.740                         | -4.760       | 43.500          |
| 324.880              | -5.841                  | 34.694                   | 28.853                         | -17.147      | 46.000          |
| 388.900              | -3.064                  | 34.019                   | 30.955                         | -15.045      | 46.000          |
| 499.480              | -0.852                  | 33.230                   | 32.378                         | -13.622      | 46.000          |
| 800.180              | 2.801                   | 37.462                   | 40.263                         | -5.737       | 46.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested.  
Only the worst case is shown on the report.

Product : 802.11 a/b/g/n module  
 Test Item : General Radiated Emission  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11 a-6Mbps) (5300MHz)

| Frequency<br>MHz     | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>    |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 39.700               | -3.616                  | 32.752                   | 29.136                         | -10.864      | 40.000          |
| 239.520              | -6.851                  | 45.266                   | 38.416                         | -7.584       | 46.000          |
| 307.420              | -3.301                  | 35.603                   | 32.302                         | -13.698      | 46.000          |
| 584.840              | 3.391                   | 29.331                   | 32.722                         | -13.278      | 46.000          |
| 714.820              | 3.562                   | 27.298                   | 30.860                         | -15.140      | 46.000          |
| 798.240              | 5.148                   | 31.436                   | 36.584                         | -9.416       | 46.000          |
| <b>Vertical</b>      |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 37.760               | -1.539                  | 38.505                   | 36.966                         | -3.034       | 40.000          |
| 128.940              | -4.128                  | 40.908                   | 36.780                         | -6.720       | 43.500          |
| 198.780              | -8.221                  | 46.351                   | 38.130                         | -5.370       | 43.500          |
| 264.740              | -7.681                  | 41.481                   | 33.800                         | -12.200      | 46.000          |
| 518.880              | -0.546                  | 36.543                   | 35.997                         | -10.003      | 46.000          |
| 798.240              | 2.808                   | 38.938                   | 41.746                         | -4.254       | 46.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested.  
Only the worst case is shown on the report.



Product : 802.11 a/b/g/n module  
 Test Item : General Radiated Emission  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (802.11a-6Mbps) (5500MHz)

| Frequency<br>MHz     | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>    |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 53.280               | -12.652                 | 49.199                   | 36.547                         | -3.453       | 40.000          |
| 154.160              | -10.091                 | 48.033                   | 37.942                         | -5.558       | 43.500          |
| 243.400              | -6.441                  | 47.464                   | 41.023                         | -4.977       | 46.000          |
| 499.480              | 0.048                   | 33.277                   | 33.325                         | -12.675      | 46.000          |
| 625.580              | 1.770                   | 31.218                   | 32.988                         | -13.012      | 46.000          |
| 798.240              | 5.148                   | 34.401                   | 39.549                         | -6.451       | 46.000          |
| <b>Vertical</b>      |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 37.760               | -1.539                  | 38.335                   | 36.796                         | -3.204       | 40.000          |
| 198.780              | -8.221                  | 46.718                   | 38.497                         | -5.003       | 43.500          |
| 299.660              | -6.855                  | 40.719                   | 33.864                         | -12.136      | 46.000          |
| 518.880              | -0.546                  | 34.508                   | 33.962                         | -12.038      | 46.000          |
| 749.740              | 2.510                   | 31.831                   | 34.341                         | -11.659      | 46.000          |
| 798.240              | 2.808                   | 37.063                   | 39.871                         | -6.129       | 46.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. “█” means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested.  
Only the worst case is shown on the report.

Product : 802.11 a/b/g/n module  
 Test Item : General Radiated Emission  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5220MHz)

| Frequency<br>MHz     | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>    |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 55.220               | -13.109                 | 49.570                   | 36.461                         | -3.539       | 40.000          |
| 154.160              | -10.091                 | 48.801                   | 38.710                         | -4.790       | 43.500          |
| 237.580              | -7.700                  | 47.695                   | 39.995                         | -6.005       | 46.000          |
| 299.660              | -3.585                  | 38.434                   | 34.849                         | -11.151      | 46.000          |
| 644.980              | 1.552                   | 28.132                   | 29.684                         | -16.316      | 46.000          |
| 798.240              | 5.148                   | 33.581                   | 38.729                         | -7.271       | 46.000          |
| <b>Vertical</b>      |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 37.760               | -1.539                  | 37.574                   | 36.035                         | -3.965       | 40.000          |
| 196.840              | -8.766                  | 46.628                   | 37.862                         | -5.638       | 43.500          |
| 379.200              | -1.505                  | 38.642                   | 37.136                         | -8.864       | 46.000          |
| 518.880              | -0.546                  | 37.092                   | 36.546                         | -9.454       | 46.000          |
| 749.740              | 2.510                   | 30.835                   | 33.345                         | -12.655      | 46.000          |
| 800.180              | 2.801                   | 36.554                   | 39.355                         | -6.645       | 46.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested.  
Only the worst case is shown on the report.

Product : 802.11 a/b/g/n module  
 Test Item : General Radiated Emission  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5300MHz)

| Frequency<br>MHz     | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>    |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 53.280               | -12.652                 | 49.440                   | 36.788                         | -3.212       | 40.000          |
| 161.920              | -11.626                 | 48.948                   | 37.323                         | -6.177       | 43.500          |
| 241.460              | -6.531                  | 45.951                   | 39.420                         | -6.580       | 46.000          |
| 388.900              | -1.684                  | 33.274                   | 31.590                         | -14.410      | 46.000          |
| 499.480              | 0.048                   | 33.211                   | 33.259                         | -12.741      | 46.000          |
| 798.240              | 5.148                   | 33.901                   | 39.049                         | -6.951       | 46.000          |
| <b>Vertical</b>      |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 37.760               | -1.539                  | 38.457                   | 36.918                         | -3.082       | 40.000          |
| 154.160              | -6.221                  | 40.553                   | 34.332                         | -9.168       | 43.500          |
| 200.720              | -7.835                  | 45.582                   | 37.747                         | -5.753       | 43.500          |
| 264.740              | -7.681                  | 41.712                   | 34.031                         | -11.969      | 46.000          |
| 503.360              | -0.852                  | 35.502                   | 34.650                         | -11.350      | 46.000          |
| 798.240              | 2.808                   | 37.681                   | 40.489                         | -5.511       | 46.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested.  
Only the worst case is shown on the report.

Product : 802.11 a/b/g/n module  
 Test Item : General Radiated Emission  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (802.11n-20BW 14.4Mbps) (5500MHz)

| Frequency<br>MHz     | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>    |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 53.280               | -12.652                 | 48.714                   | 36.062                         | -3.938       | 40.000          |
| 154.160              | -10.091                 | 48.530                   | 38.439                         | -5.061       | 43.500          |
| 243.400              | -6.441                  | 46.958                   | 40.517                         | -5.483       | 46.000          |
| 324.880              | -4.491                  | 34.202                   | 29.711                         | -16.289      | 46.000          |
| 625.580              | 1.770                   | 31.270                   | 33.040                         | -12.960      | 46.000          |
| 798.240              | 5.148                   | 33.936                   | 39.084                         | -6.916       | 46.000          |
| <b>Vertical</b>      |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 37.760               | -1.539                  | 38.486                   | 36.947                         | -3.053       | 40.000          |
| 161.920              | -6.696                  | 39.856                   | 33.161                         | -10.339      | 43.500          |
| 196.840              | -8.766                  | 43.366                   | 34.600                         | -8.900       | 43.500          |
| 266.680              | -8.213                  | 41.833                   | 33.620                         | -12.380      | 46.000          |
| 518.880              | -0.546                  | 34.910                   | 34.364                         | -11.636      | 46.000          |
| 798.240              | 2.808                   | 36.597                   | 39.405                         | -6.595       | 46.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested.  
Only the worst case is shown on the report.

Product : 802.11 a/b/g/n module  
 Test Item : General Radiated Emission  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5190MHz)

| Frequency<br>MHz     | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>    |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 53.280               | -12.652                 | 48.902                   | 36.250                         | -3.750       | 40.000          |
| 156.100              | -10.461                 | 49.041                   | 38.579                         | -4.921       | 43.500          |
| 239.520              | -6.851                  | 48.051                   | 41.201                         | -4.799       | 46.000          |
| 299.660              | -3.585                  | 38.565                   | 34.980                         | -11.020      | 46.000          |
| 390.840              | -1.849                  | 37.115                   | 35.266                         | -10.734      | 46.000          |
| 798.240              | 5.148                   | 35.244                   | 40.392                         | -5.608       | 46.000          |
| <b>Vertical</b>      |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 43.580               | -2.986                  | 38.470                   | 35.484                         | -4.516       | 40.000          |
| 198.780              | -8.221                  | 46.759                   | 38.538                         | -4.962       | 43.500          |
| 264.740              | -7.681                  | 41.887                   | 34.206                         | -11.794      | 46.000          |
| 400.540              | -5.156                  | 41.298                   | 36.143                         | -9.857       | 46.000          |
| 518.880              | -0.546                  | 34.999                   | 34.453                         | -11.547      | 46.000          |
| 798.240              | 2.808                   | 37.822                   | 40.630                         | -5.370       | 46.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested.  
Only the worst case is shown on the report.

Product : 802.11 a/b/g/n module  
 Test Item : General Radiated Emission  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5270MHz)

| Frequency<br>MHz     | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>    |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 53.280               | -12.652                 | 48.894                   | 36.242                         | -3.758       | 40.000          |
| 154.160              | -10.091                 | 50.020                   | 39.929                         | -3.571       | 43.500          |
| 243.400              | -6.441                  | 47.352                   | 40.911                         | -5.089       | 46.000          |
| 361.740              | -1.549                  | 34.848                   | 33.299                         | -12.701      | 46.000          |
| 449.040              | -2.238                  | 35.192                   | 32.954                         | -13.046      | 46.000          |
| 798.240              | 5.148                   | 34.180                   | 39.328                         | -6.672       | 46.000          |
| <b>Vertical</b>      |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 39.700               | -1.056                  | 37.730                   | 36.674                         | -3.326       | 40.000          |
| 128.940              | -4.128                  | 40.659                   | 36.531                         | -6.969       | 43.500          |
| 202.660              | -7.739                  | 45.435                   | 37.696                         | -5.804       | 43.500          |
| 264.740              | -7.681                  | 41.691                   | 34.010                         | -11.990      | 46.000          |
| 375.320              | -2.029                  | 37.167                   | 35.138                         | -10.862      | 46.000          |
| 798.240              | 2.808                   | 38.844                   | 41.652                         | -4.348       | 46.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested.  
Only the worst case is shown on the report.

Product : 802.11 a/b/g/n module  
 Test Item : General Radiated Emission  
 Test Site : No.3 OATS  
 Test Mode : Mode 3: Transmit (802.11n-40BW 30Mbps) (5590MHz)

| Frequency<br>MHz     | Correct<br>Factor<br>dB | Reading<br>Level<br>dBuV | Measurement<br>Level<br>dBuV/m | Margin<br>dB | Limit<br>dBuV/m |
|----------------------|-------------------------|--------------------------|--------------------------------|--------------|-----------------|
| <b>Horizontal</b>    |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 55.220               | -13.109                 | 48.583                   | 35.474                         | -4.526       | 40.000          |
| 127.000              | -10.017                 | 44.090                   | 34.073                         | -9.427       | 43.500          |
| 154.160              | -10.091                 | 48.758                   | 38.667                         | -4.833       | 43.500          |
| 241.460              | -6.531                  | 46.757                   | 40.226                         | -5.774       | 46.000          |
| 454.860              | -0.779                  | 39.542                   | 38.762                         | -7.238       | 46.000          |
| 575.140              | 2.923                   | 34.585                   | 37.508                         | -8.492       | 46.000          |
| <b>Vertical</b>      |                         |                          |                                |              |                 |
| <b>Peak Detector</b> |                         |                          |                                |              |                 |
| 128.940              | -4.128                  | 39.224                   | 35.096                         | -8.404       | 43.500          |
| 196.840              | -8.766                  | 47.681                   | 38.915                         | -4.585       | 43.500          |
| 375.320              | -2.029                  | 36.082                   | 34.053                         | -11.947      | 46.000          |
| 518.880              | -0.546                  | 37.432                   | 36.886                         | -9.114       | 46.000          |
| 749.740              | 2.510                   | 31.681                   | 34.191                         | -11.809      | 46.000          |
| 798.240              | 2.808                   | 36.906                   | 39.714                         | -6.286       | 46.000          |

Note:

1. All Readings below 1GHz are Quasi-Peak, above are average value.
2. "█" means the worst emission level.
3. Measurement Level = Reading Level + Correct Factor
4. The radiated emissions below 1GHz of the lowest, middle, highest frequency are pretested.  
Only the worst case is shown on the report.