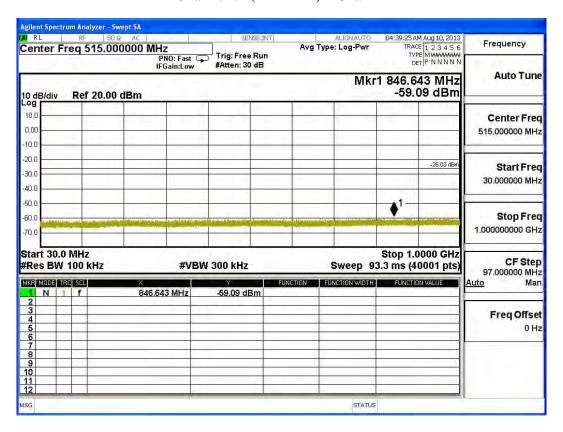


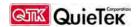
Test Item : RF Antenna Conducted Spurious

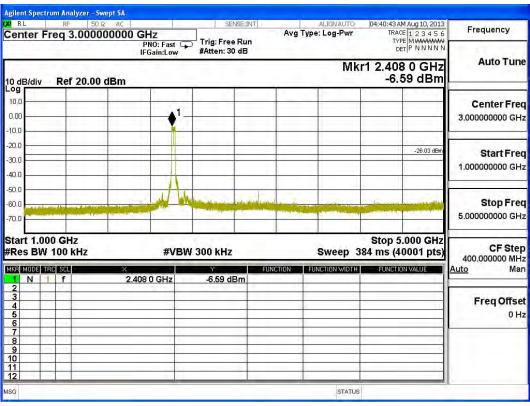
Test Site : No.3 OATS

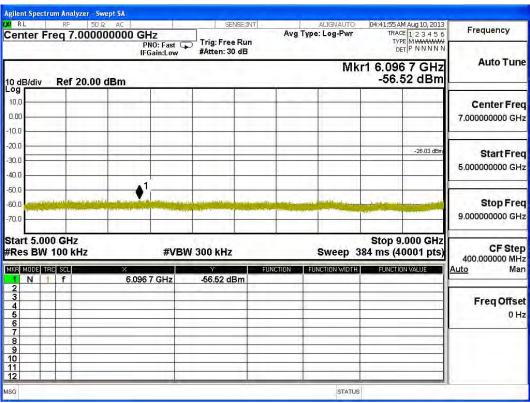
Test Mode : Mode 4: Transmit (802.11n MCS8 30Mbps 40M-BW)

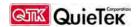
Channel 01 (2422MHz) - Chain A

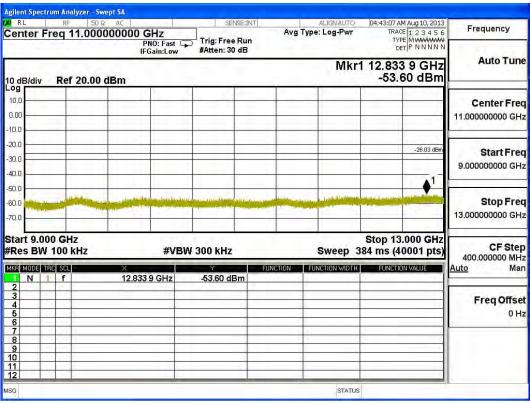


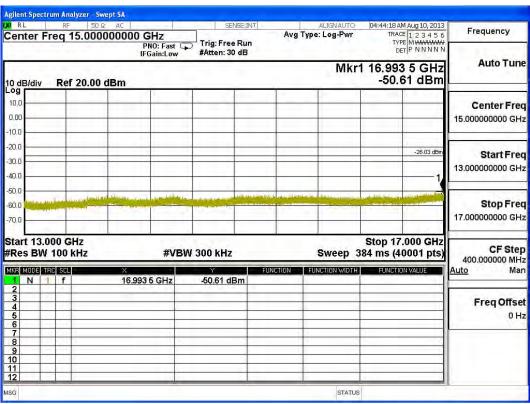




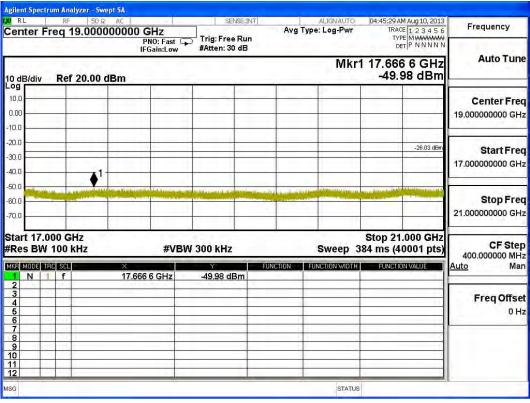


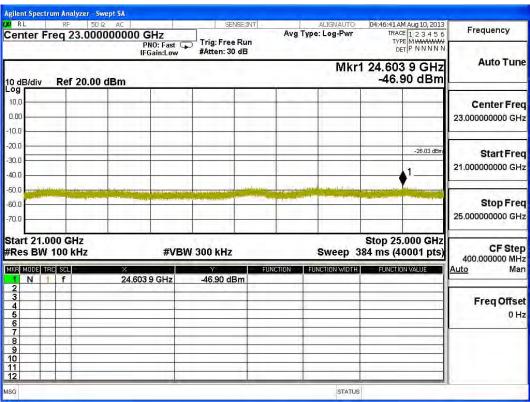






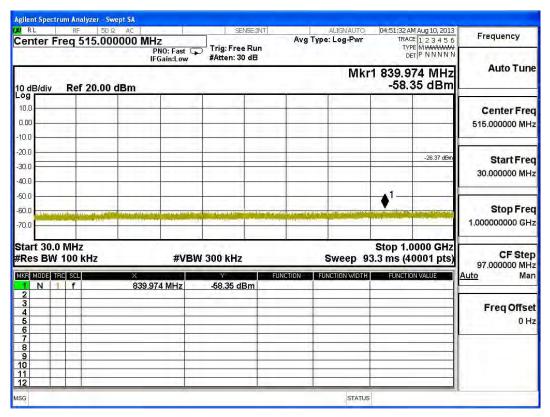


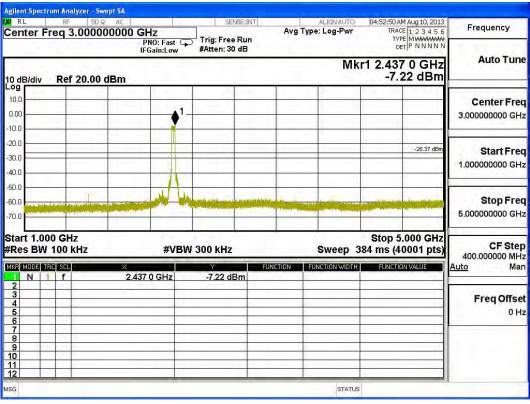


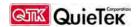


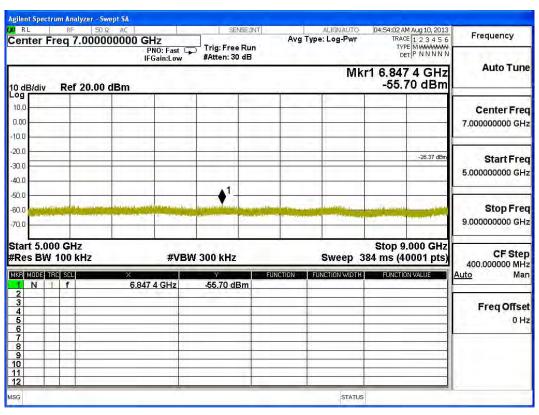


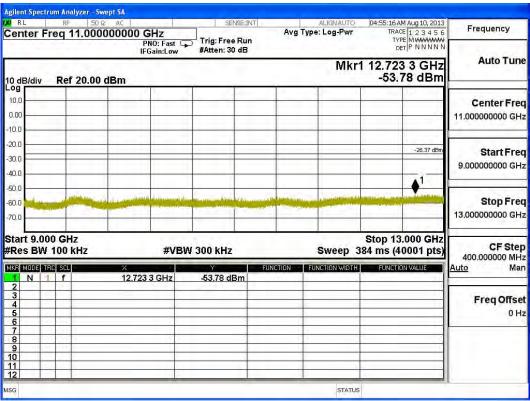
Channel 01 (2422MHz) - Chain B

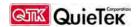


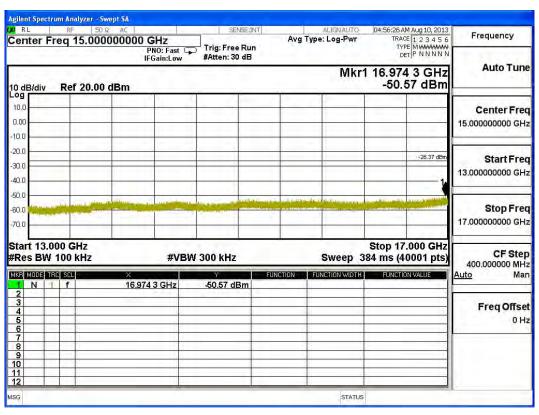


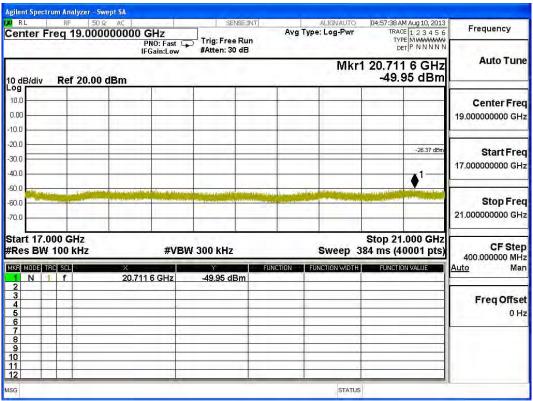




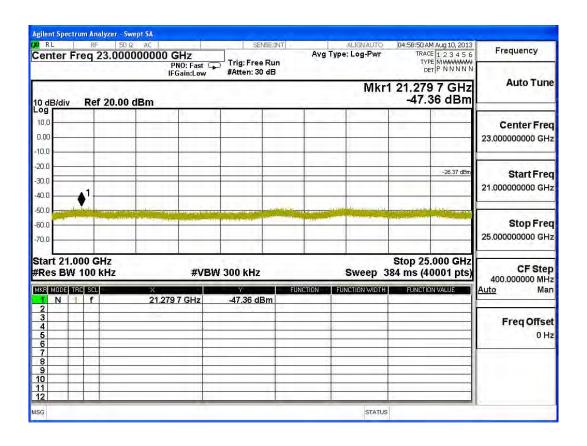






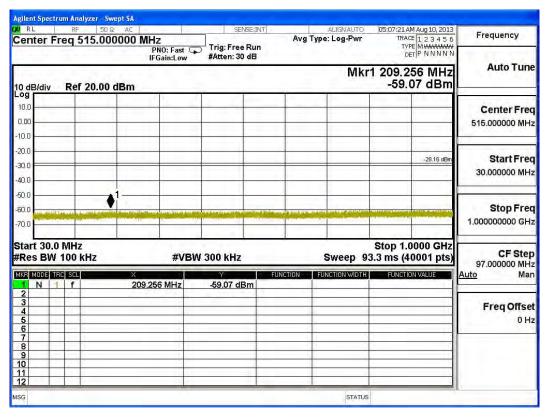


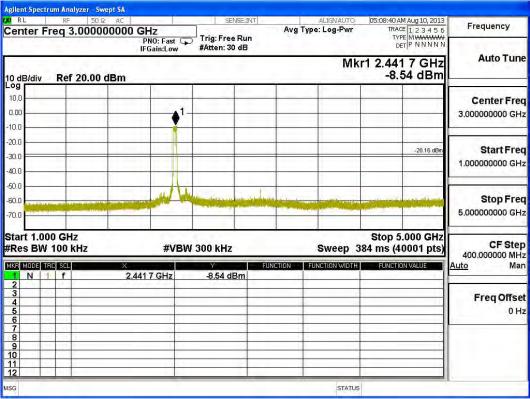




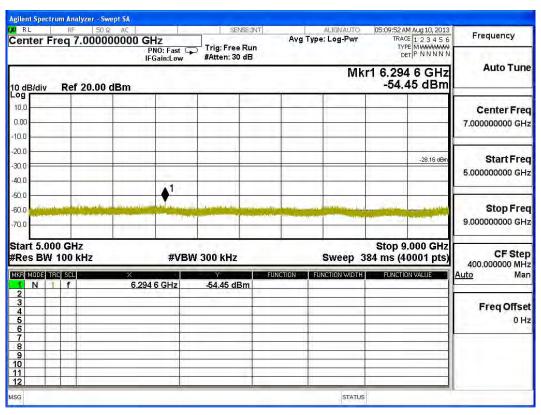


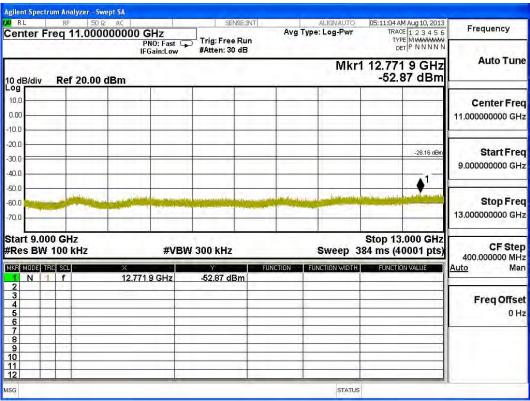
Channel 04 (2437MHz) - Chain A

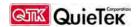


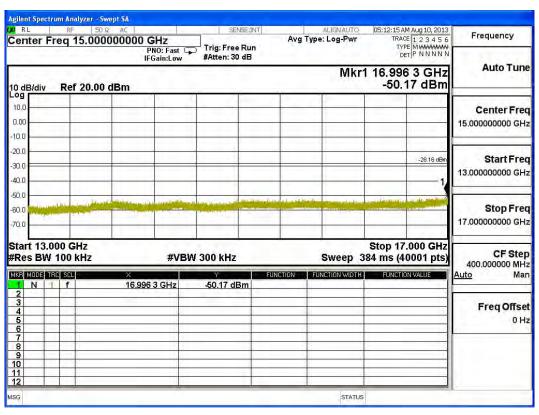


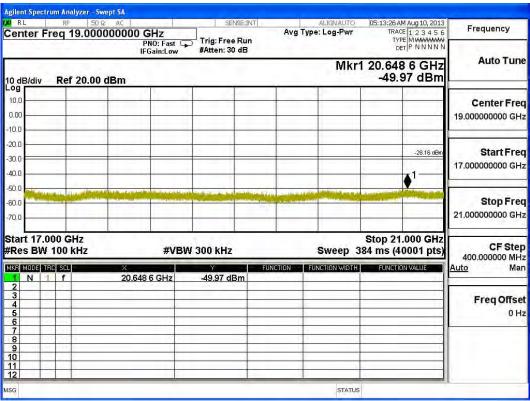




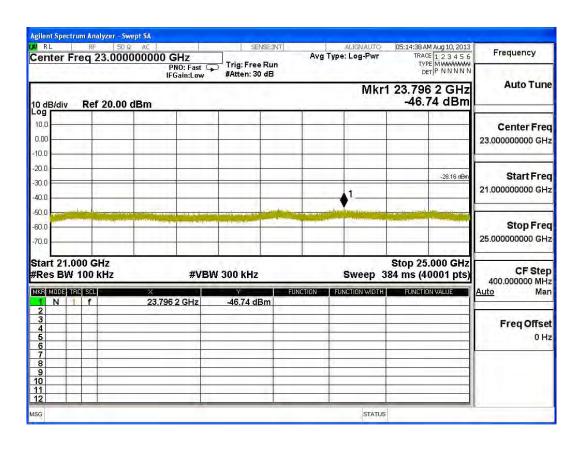






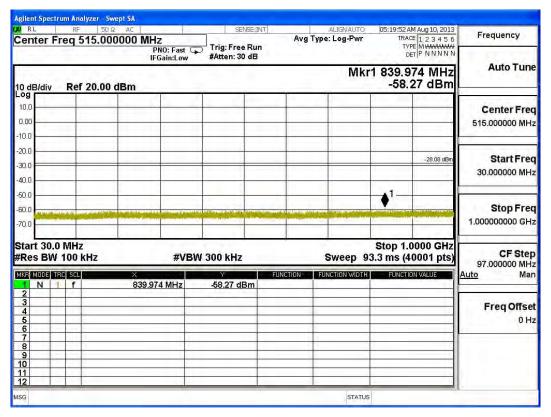


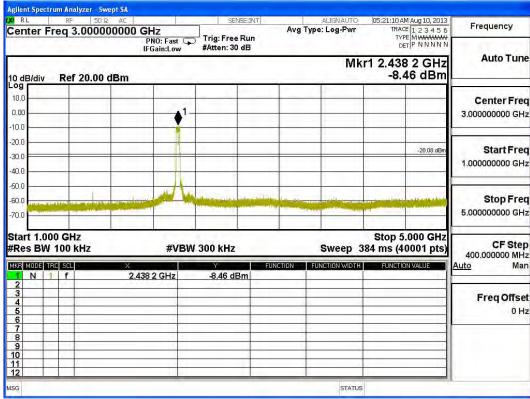




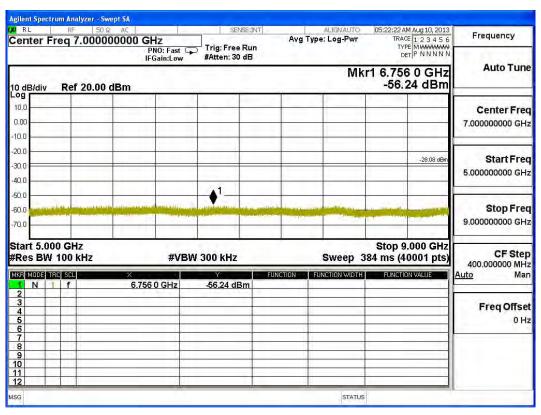


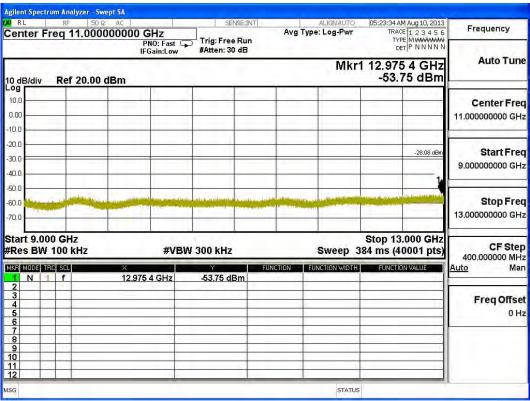
Channel 04 (2437MHz) - Chain B

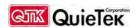


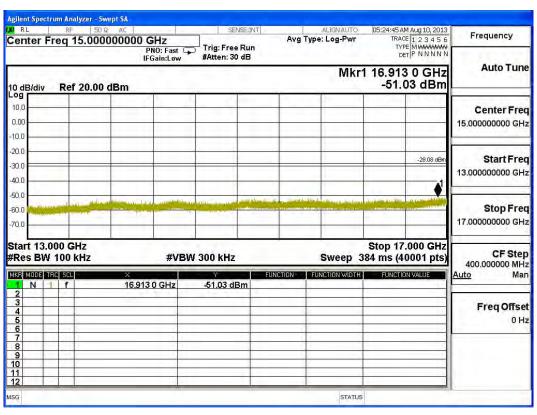


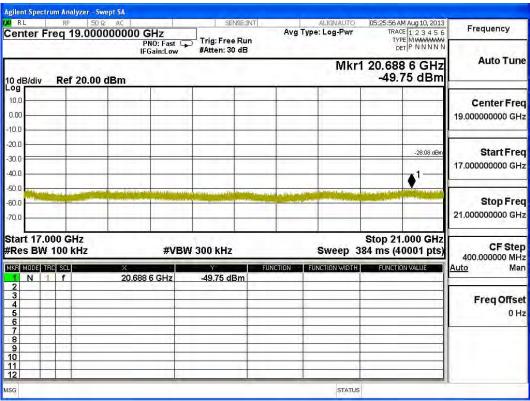


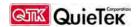


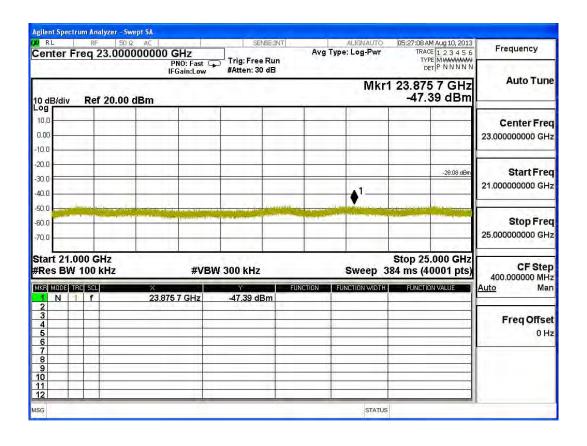






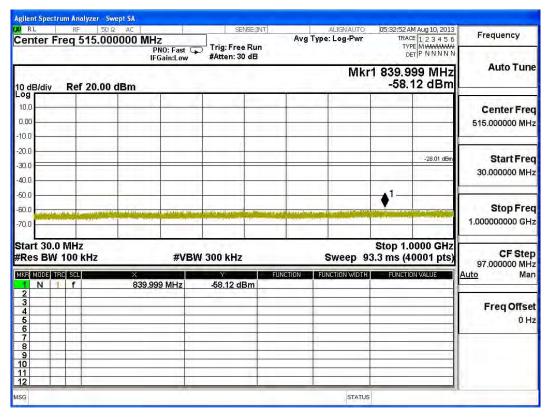


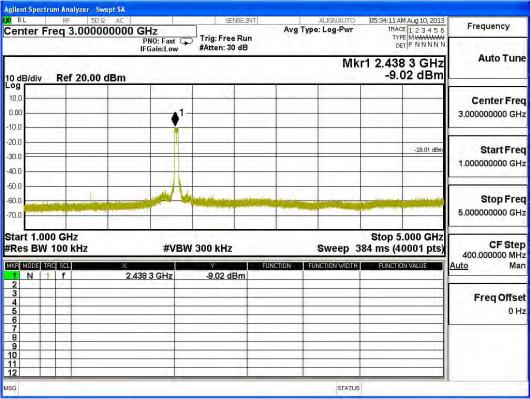


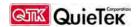


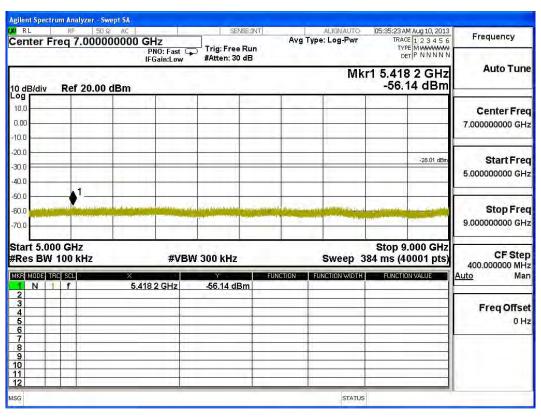


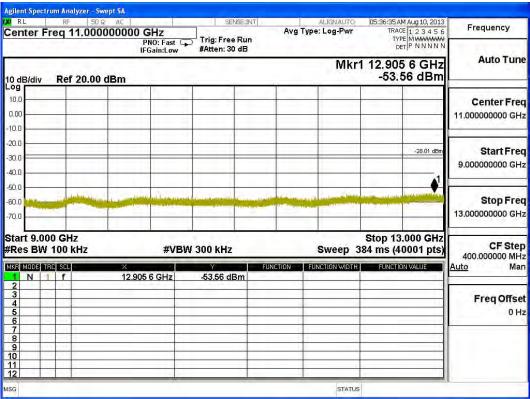
Channel 07 (2452MHz) - Chain A



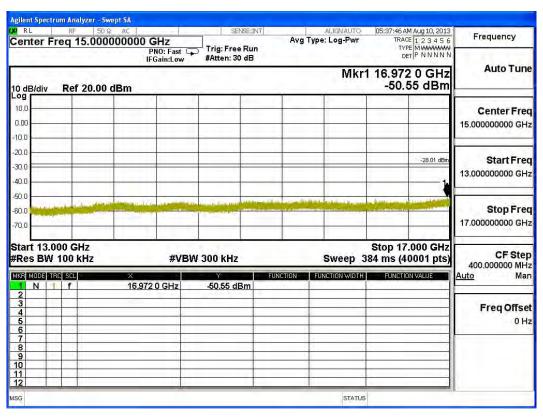


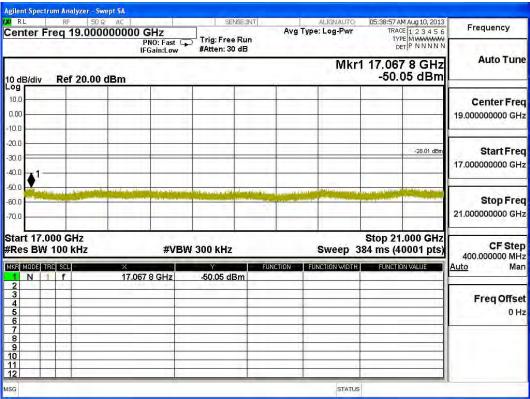




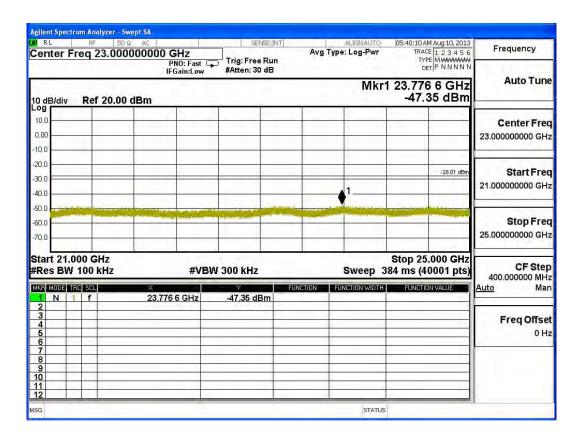






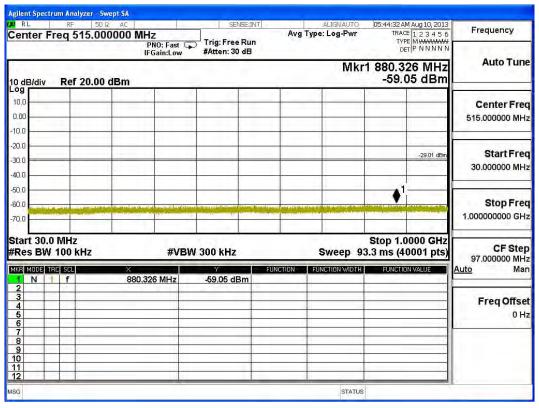


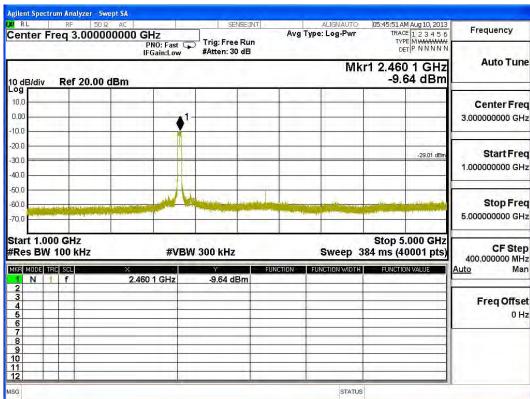


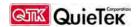


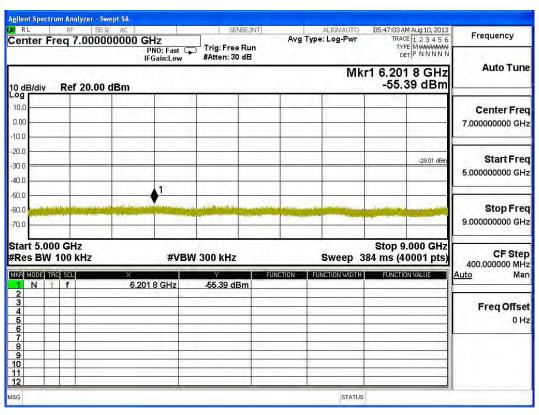


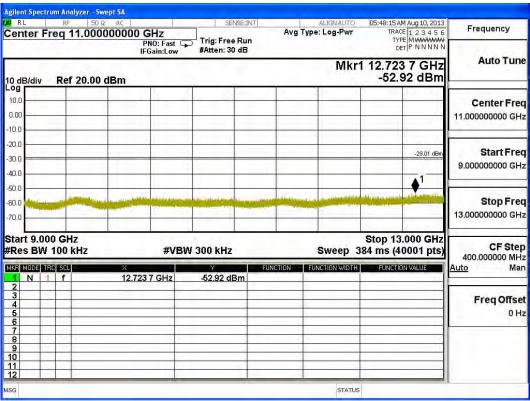
Channel 07 (2452MHz) - Chain B



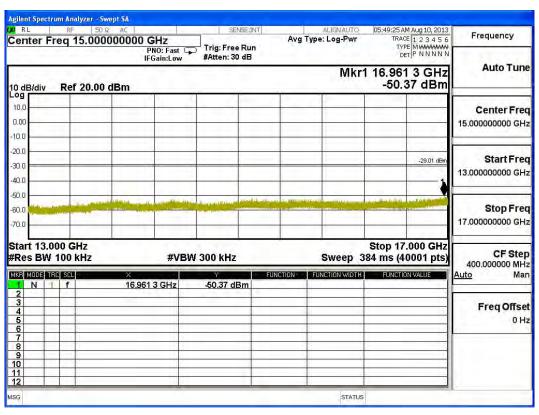


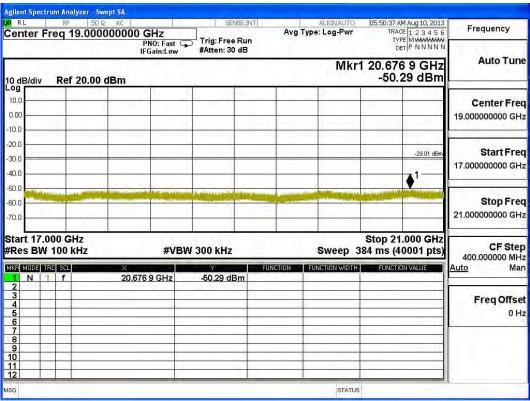




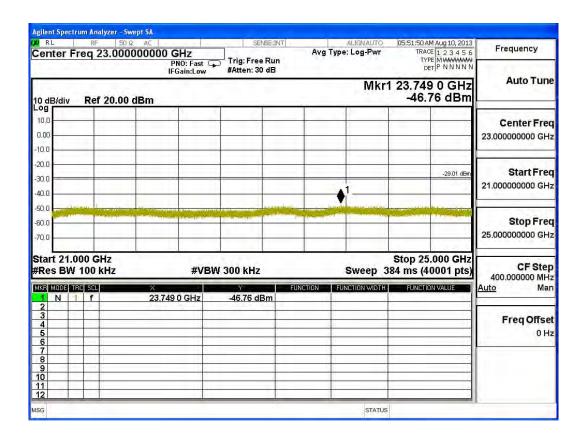














6. Band Edge

6.1. Test Equipment

RF Radiated Measurement:

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

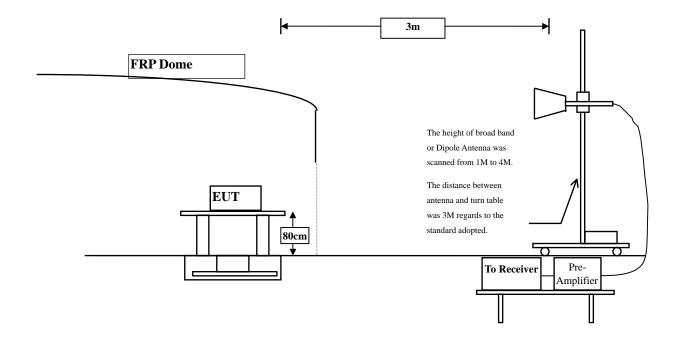
| Test Site | | Equipment | Manufacturer | Model No./Serial No. | Last Cal. |
|-----------|-----------------|-------------------|-----------------|-----------------------|------------|
| ⊠Site # 3 | | Bilog Antenna | Schaffner Chase | CBL6112B/2673 | Sep., 2012 |
| | X | Horn Antenna | Schwarzbeck | BBHA9120D/D305 | Sep., 2012 |
| | | Horn Antenna | Schwarzbeck | BBHA9170/208 | Jul., 2013 |
| | X Pre-Amplifier | | Agilent | 8447D/2944A09549 | Sep., 2012 |
| | X | Spectrum Analyzer | Agilent | E4407B / US39440758 | May, 2013 |
| | | Test Receiver | R & S | ESCS 30/ 825442/018 | Sep., 2012 |
| | X | Coaxial Cable | QuieTek | QTK-CABLE/ CAB5 | Feb., 2013 |
| | X | Controller | QuieTek | QTK-CONTROLLER/ CTRL3 | N/A |
| | X | Coaxial Switch | Anritsu | MP59B/6200265729 | N/A |

Note:

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

6.2. Test Setup

RF Radiated Measurement:



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6.3. Limits

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

6.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2009 and tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

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

The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10: 2009 on radiated measurement.

6.5. Uncertainty

- ± 3.9 dB above 1GHz
- ± 3.8 dB below 1GHz



6.6. Test Result of Band Edge

Product : 802.11b/g/n 2T2R Wireless LAN USB Module

Test Item : Band Edge Data
Test Site : No.3 OATS

Test Mode : Mode 1: Transmit (802.11b 1Mbps)

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency | Correct Factor | Reading Level | Emission Level | Peak Limit | Average Limit | Result |
|--------------|-----------|----------------|---------------|-----------------------|------------|---------------|--------|
| Chainlei No. | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dBuV/m) | Kesuit |
| 01 (Peak) | 2388.000 | 33.737 | 25.108 | 58.845 | 74.000 | 54.000 | Pass |
| 01 (Peak) | 2390.000 | 33.739 | 24.097 | 57.836 | 74.000 | 54.000 | Pass |
| 01 (Peak) | 2413.000 | 33.775 | 73.823 | 107.597 | | | |
| 01 (Average) | 2390.000 | 33.739 | 14.149 | 47.888 | 74.000 | 54.000 | Pass |
| 01 (Average) | 2414.800 | 33.778 | 70.108 | 103.887 | | | |

Figure Channel 01:

Horizontal (Peak)

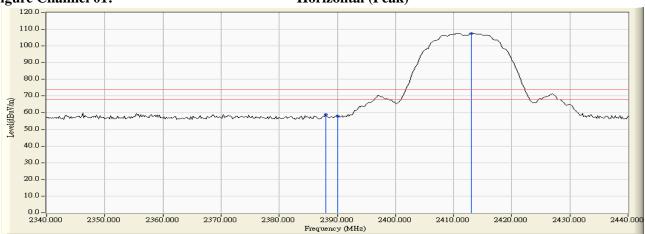


Figure Channel 01:

Horizontal (Average)



- 1. All readings 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 worst emission level.
- 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.



Test Item : Band Edge Data
Test Site : No.3 OATS

Test Mode : Mode 1: Transmit (802.11b 1Mbps)

RF Radiated Measurement (Vertical):

| Channel No. | Frequency | Correct Factor | Reading Level | Emission Level | Peak Limit | Average Limit | Result |
|--------------|-----------|----------------|---------------|----------------|------------|---------------|--------|
| Chamilei No. | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dBuV/m) | Kesuit |
| 01 (Peak) | 2362.600 | 32.459 | 24.835 | 57.295 | 74.000 | 54.000 | Pass |
| 01 (Peak) | 2390.000 | 32.267 | 22.670 | 54.937 | 74.000 | 54.000 | Pass |
| 01 (Peak) | 2413.000 | 32.254 | 64.153 | 96.406 | | | |
| 01 (Average) | 2390.000 | 32.267 | 13.140 | 45.407 | 74.000 | 54.000 | Pass |
| 01 (Average) | 2411.200 | 32.245 | 60.453 | 92.698 | | | |

Figure Channel 01:

Vertical (Peak)

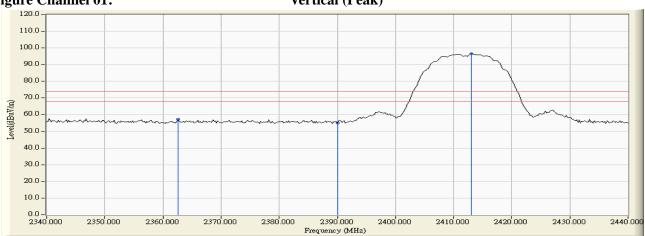
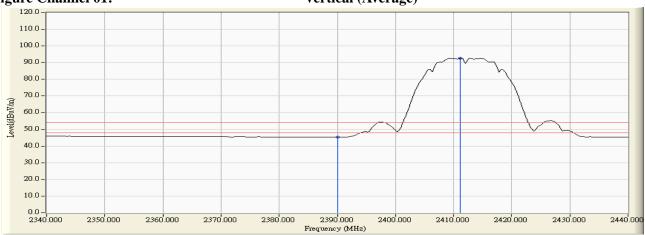
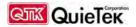


Figure Channel 01:

Vertical (Average)



- 1. All readings 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 worst emission level.
- 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.



Test Item : Band Edge Data
Test Site : No.3 OATS

Test Mode : Mode 1: Transmit (802.11b 1Mbps)

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency | Correct Factor | Reading Level | Emission Level | Peak Limit | Average Limit | Result |
|--------------|-----------|----------------|---------------|----------------|------------|---------------|--------|
| Chaimei No. | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dBuV/m) | Kesuit |
| 11 (Peak) | 2462.900 | 33.895 | 71.678 | 105.573 | | | |
| 11 (Peak) | 2483.500 | 33.951 | 24.788 | 58.738 | 74.000 | 54.000 | Pass |
| 11 (Average) | 2459.300 | 33.886 | 68.161 | 102.047 | | | |
| 11 (Average) | 2483.500 | 33.951 | 13.719 | 47.669 | 74.000 | 54.000 | Pass |

Figure Channel 11:

Horizontal (Peak)

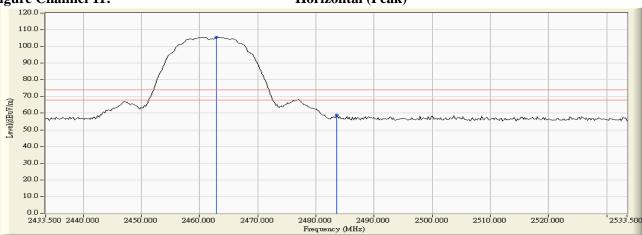


Figure Channel 11:

Horizontal (Average)



- 1. All readings 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 worst emission level.
- 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.



Test Item : Band Edge Data
Test Site : No.3 OATS

Test Mode : Mode 1: Transmit (802.11b 1Mbps)

RF Radiated Measurement (Vertical):

| Channel No. | Frequency | Correct Factor | Reading Level | Emission Level | Peak Limit | Average Limit | Result |
|--------------|-----------|----------------|---------------|----------------|------------|---------------|--------|
| | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dBuV/m) | Kesuit |
| 11 (Peak) | 2460.900 | 32.476 | 63.898 | 96.373 | | | - |
| 11 (Peak) | 2483.500 | 32.586 | 21.836 | 54.421 | 74.000 | 54.000 | Pass |
| 11 (Peak) | 2504.700 | 32.688 | 24.674 | 57.362 | 74.000 | 54.000 | Pass |
| 11 (Average) | 2459.300 | 32.468 | 60.443 | 92.910 | | | |
| 11 (Average) | 2483.500 | 32.586 | 13.079 | 45.664 | 74.000 | 54.000 | Pass |

Figure Channel 11:

Vertical (Peak)

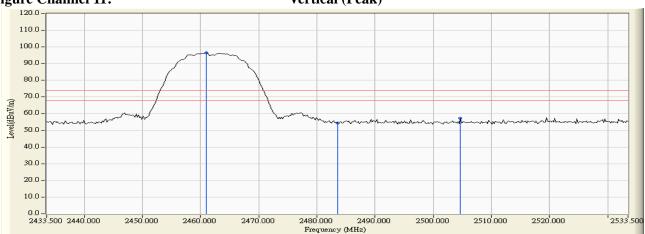


Figure Channel 11:

Vertical (Average)



- 1. All readings 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 worst emission level.
- 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.



Test Item : Band Edge Data
Test Site : No.3 OATS

Test Mode : Mode 2: Transmit (802.11g 6Mbps)

RF Radiated Measurement (Horizontal):

| Channel No. | 1 | | _ | Emission Level | | _ | Result |
|--------------|----------|--------|--------|----------------|----------|----------|--------|
| | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dBuV/m) | |
| 01 (Peak) | 2390.000 | 33.739 | 34.655 | 68.394 | 74.000 | 54.000 | Pass |
| 01 (Peak) | 2414.200 | 33.777 | 73.504 | 107.281 | | | |
| 01 (Average) | 2390.000 | 33.739 | 18.139 | 51.878 | 74.000 | 54.000 | Pass |
| 01 (Average) | 2414.800 | 33.778 | 64.538 | 98.317 | | | |

Figure Channel 01:

Horizontal (Peak)

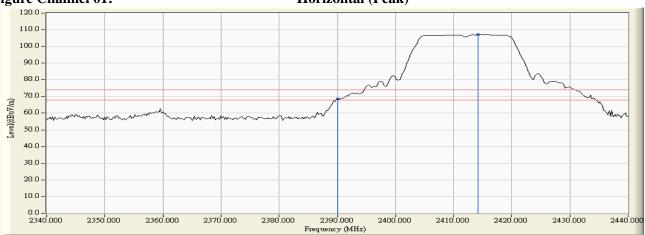
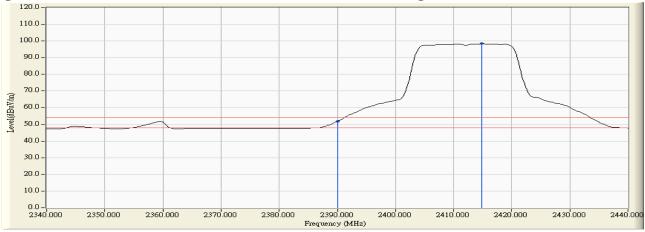


Figure Channel 01:

Horizontal (Average)



- 1. All readings 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 worst emission level.
- 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.



Test Item : Band Edge Data
Test Site : No.3 OATS

Test Mode : Mode 2: Transmit (802.11g 6Mbps)

RF Radiated Measurement (Vertical):

| Channel No. | Frequency | Correct Factor | Reading Level | Emission Level | Peak Limit | Average Limit | Result |
|--------------|-----------|----------------|---------------|----------------|------------|---------------|--------|
| Chamilei No. | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dBuV/m) | Kesuit |
| 01 (Peak) | 2390.000 | 32.267 | 27.004 | 59.271 | 74.000 | 54.000 | Pass |
| 01 (Peak) | 2414.400 | 32.260 | 63.198 | 95.458 | | | |
| 01 (Average) | 2390.000 | 32.267 | 13.895 | 46.162 | 74.000 | 54.000 | Pass |
| 01 (Average) | 2414.800 | 32.261 | 54.292 | 86.554 | | | |

Figure Channel 01:

Vertical (Peak)

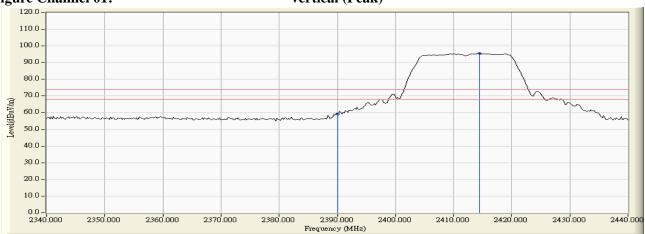
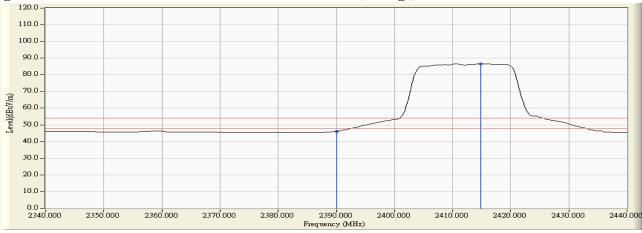


Figure Channel 01:

Vertical (Average)



- 1. All readings 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 worst emission level.
- 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.



Test Item : Band Edge Data
Test Site : No.3 OATS

Test Mode : Mode 2: Transmit (802.11g 6Mbps)

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency | Correct Factor | Reading Level | Emission Level | Peak Limit | Average Limit | Result |
|--------------|-----------|----------------|---------------|----------------|------------|---------------|--------|
| | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dBuV/m) | Result |
| 11 (Peak) | 2458.900 | 33.885 | 72.257 | 106.142 | | | |
| 11 (Peak) | 2483.500 | 33.951 | 35.522 | 69.472 | 74.000 | 54.000 | Pass |
| 11 (Average) | 2464.900 | 33.900 | 63.305 | 97.205 | | | |
| 11 (Average) | 2483.500 | 33.951 | 17.979 | 51.929 | 74.000 | 54.000 | Pass |



Horizontal (Peak)

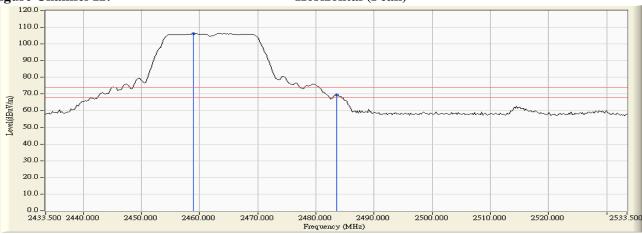
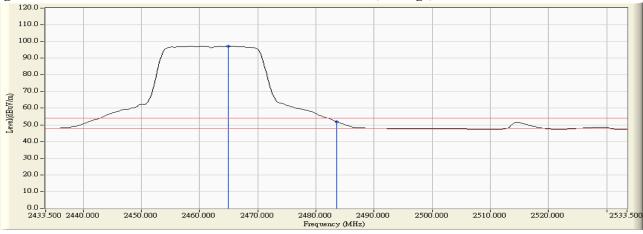


Figure Channel 11:

Horizontal (Average)



- 1. All readings 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 worst emission level.
- 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.

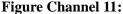


Test Item : Band Edge Data
Test Site : No.3 OATS

Test Mode : Mode 2: Transmit (802.11g 6Mbps)

RF Radiated Measurement (Vertical):

| Channel No. | Frequency | Correct Factor | Reading Level | Emission Level | Peak Limit | Average Limit | Result |
|--------------|-----------|----------------|---------------|-----------------------|------------|---------------|--------|
| | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dBuV/m) | Kesuit |
| 11 (Peak) | 2458.900 | 32.466 | 64.871 | 97.337 | | | |
| 11 (Peak) | 2483.500 | 32.586 | 28.449 | 61.034 | 74.000 | 54.000 | Pass |
| 11 (Average) | 2460.700 | 32.475 | 55.897 | 88.371 | | | |
| 11 (Average) | 2483.500 | 32.586 | 14.429 | 47.014 | 74.000 | 54.000 | Pass |



Vertical (Peak)

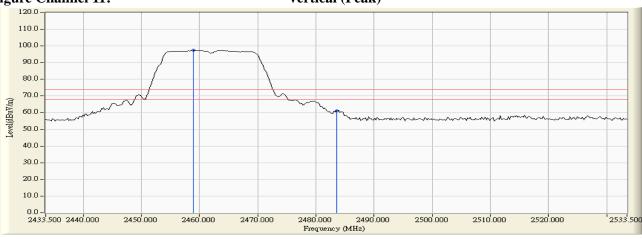
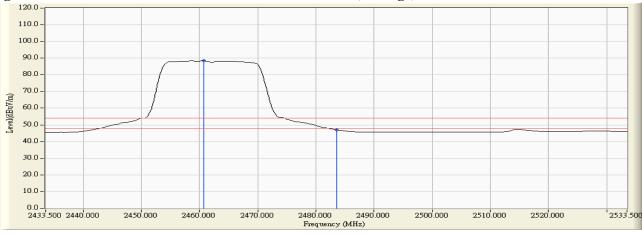


Figure Channel 11:

Vertical (Average)



- 1. All readings 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 worst emission level.
- 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.



Test Item : Band Edge Data
Test Site : No.3 OATS

Test Mode : Mode 3: Transmit (802.11n MCS8 14.4Mbps 20M-BW)

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency | Correct Factor | Reading Level | Emission Level | Peak Limit | Average Limit | Result |
|--------------|-----------|----------------|---------------|----------------|------------|---------------|--------|
| Chamier 110. | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dBuV/m) | Result |
| 01 (Peak) | 2390.000 | 33.739 | 28.286 | 62.025 | 74.000 | 54.000 | Pass |
| 01 (Peak) | 2407.800 | 33.765 | 71.047 | 104.811 | - | | |
| 01 (Average) | 2390.000 | 33.739 | 15.866 | 49.605 | 74.000 | 54.000 | Pass |
| 01 (Average) | 2408.600 | 33.766 | 60.014 | 93.779 | | | |

Figure Channel 01:

Horizontal (Peak)

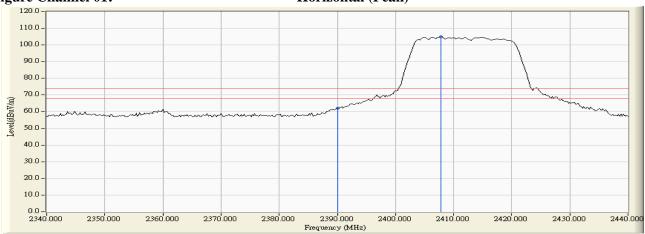
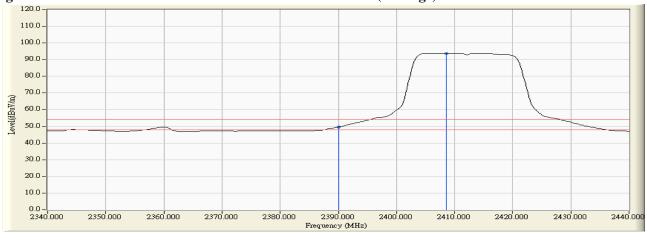


Figure Channel 01:

Horizontal (Average)



- 1. All readings 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 worst emission level.
- 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.



Test Item : Band Edge Data
Test Site : No.3 OATS

Test Mode : Mode 3: Transmit (802.11n MCS8 14.4Mbps 20M-BW)

RF Radiated Measurement (Vertical):

| Channel No. | Frequency | Correct Factor | Reading Level | Emission Level | Peak Limit | Average Limit | Result |
|--------------|-----------|----------------|---------------|----------------|------------|---------------|--------|
| | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dBuV/m) | Kesuit |
| 01 (Peak) | 2388.400 | 32.278 | 25.376 | 57.654 | 74.000 | 54.000 | Pass |
| 01 (Peak) | 2390.000 | 32.267 | 24.097 | 56.364 | 74.000 | 54.000 | Pass |
| 01 (Peak) | 2413.400 | 32.255 | 64.752 | 97.007 | | | |
| 01 (Average) | 2390.000 | 32.267 | 13.670 | 45.937 | 74.000 | 54.000 | Pass |
| 01 (Average) | 2415.000 | 32.263 | 53.781 | 86.043 | | | |

Figure Channel 01:

Vertical (Peak)

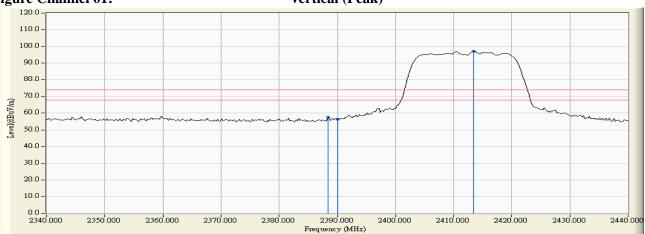
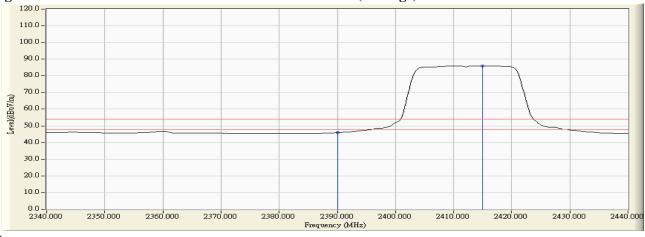


Figure Channel 01:

Vertical (Average)



- 1. All readings 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 worst emission level.
- 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.



Test Item : Band Edge Data
Test Site : No.3 OATS

Test Mode : Mode 3: Transmit (802.11n MCS8 14.4Mbps 20M-BW)

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency | Correct Factor | Reading Level | Emission Level | Peak Limit | Average Limit | Result |
|--------------|-----------|----------------|---------------|-----------------------|------------|---------------|--------|
| Channel No. | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dBuV/m) | Resuit |
| 11 (Peak) | 2463.300 | 33.895 | 71.857 | 105.753 | | | |
| 11 (Peak) | 2483.500 | 33.951 | 29.947 | 63.897 | 74.000 | 54.000 | Pass |
| 11 (Peak) | 2483.900 | 33.951 | 30.936 | 64.887 | 74.000 | 54.000 | Pass |
| 11 (Average) | 2465.100 | 33.900 | 61.104 | 95.005 | | | |
| 11 (Average) | 2483.500 | 33.951 | 16.243 | 50.193 | 74.000 | 54.000 | Pass |

Figure Channel 11:

Horizontal (Peak)

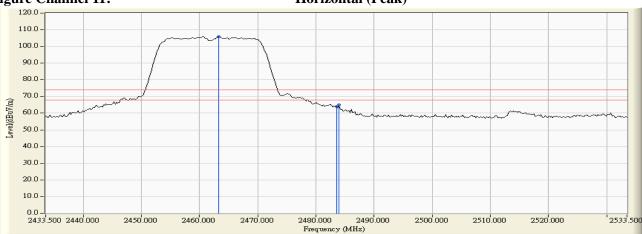
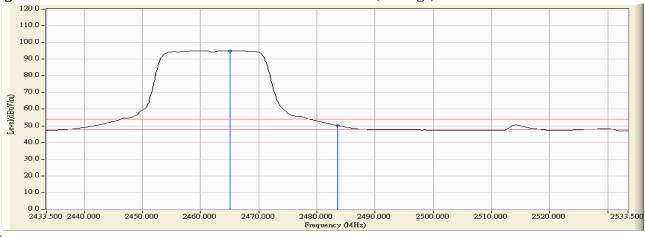


Figure Channel 11:

Horizontal (Average)



- 1. All readings 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 worst emission level.
- 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.



Test Item : Band Edge Data
Test Site : No.3 OATS

Test Mode : Mode 3: Transmit (802.11n MCS8 14.4Mbps 20M-BW)

RF Radiated Measurement (Vertical):

| Channel No. | Frequency | Correct Factor | Reading Level | Emission Level | Peak Limit | Average Limit | Result |
|--------------|-----------|----------------|---------------|----------------|------------|---------------|--------|
| Chamici No. | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dBuV/m) | Result |
| 11 (Peak) | 2460.300 | 32.472 | 66.541 | 99.013 | - | | |
| 11 (Peak) | 2483.500 | 32.586 | 26.468 | 59.053 | 74.000 | 54.000 | Pass |
| 11 (Peak) | 2484.100 | 32.588 | 27.444 | 60.032 | 74.000 | 54.000 | Pass |
| 11 (Average) | 2459.500 | 32.468 | 54.611 | 87.079 | | | |
| 11 (Average) | 2483.500 | 32.586 | 13.941 | 46.526 | 74.000 | 54.000 | Pass |

Figure Channel 11:

Vertical (Peak)

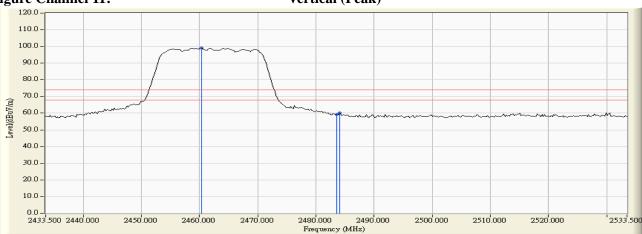
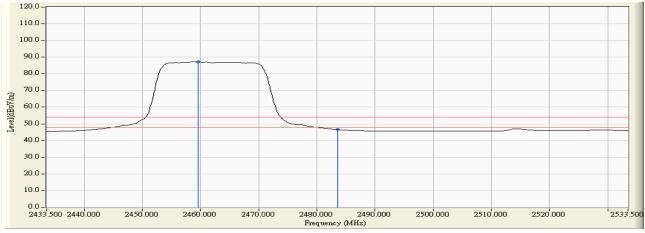


Figure Channel 11:

Vertical (Average)



- 1. All readings 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 worst emission level.
- 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.



Test Item : Band Edge Data
Test Site : No.3 OATS

Test Mode : Mode 4: Transmit (802.11n MCS8 30Mbps 40M-BW)

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency | Correct Factor | Reading Level | Emission Level | Peak Limit | Average Limit | Result |
|--------------|-----------|----------------|---------------|-----------------------|------------|---------------|--------|
| Chamilei No. | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dBuV/m) | Kesuit |
| 03 (Peak) | 2388.800 | 33.738 | 32.600 | 66.338 | 74.000 | 54.000 | Pass |
| 03 (Peak) | 2390.000 | 33.739 | 30.045 | 63.784 | 74.000 | 54.000 | Pass |
| 03 (Peak) | 2411.200 | 33.770 | 68.464 | 102.234 | | | |
| 03 (Average) | 2390.000 | 33.739 | 17.993 | 51.732 | 74.000 | 54.000 | Pass |
| 03 (Average) | 2412.600 | 33.773 | 58.118 | 91.891 | | | |

Figure Channel 03:

Horizontal (Peak)

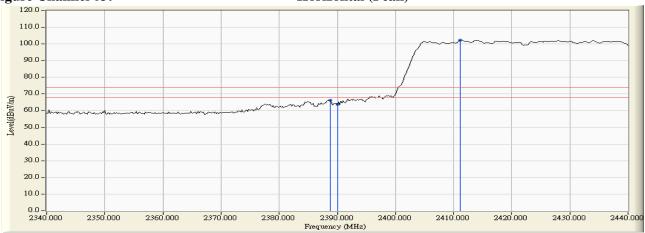
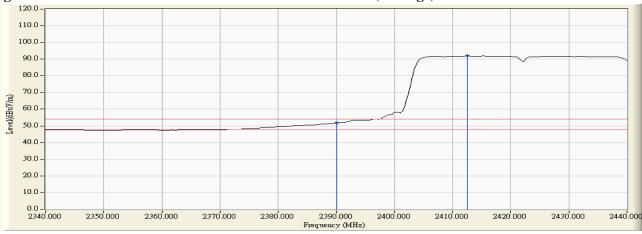


Figure Channel 03:

Horizontal (Average)



- 1. All readings 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 worst emission level.
- 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.



Test Item : Band Edge Data
Test Site : No.3 OATS

Test Mode : Mode 4: Transmit (802.11n MCS8 30Mbps 40M-BW)

RF Radiated Measurement (Vertical):

| Channel No. | Frequency | Correct Factor | Reading Level | Emission Level | Peak Limit | Average Limit | Result |
|--------------|-----------|----------------|---------------|----------------|------------|---------------|--------|
| Chainlei No. | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dBuV/m) | Kesuit |
| 03 (Peak) | 2383.600 | 32.311 | 25.613 | 57.924 | 74.000 | 54.000 | Pass |
| 03 (Peak) | 2390.000 | 32.267 | 24.130 | 56.397 | 74.000 | 54.000 | Pass |
| 03 (Peak) | 2427.000 | 32.317 | 60.993 | 93.309 | | | |
| 03 (Average) | 2390.000 | 32.267 | 14.164 | 46.431 | 74.000 | 54.000 | Pass |
| 03 (Average) | 2426.600 | 32.315 | 49.905 | 82.220 | | | |

Figure Channel 03:

Vertical (Peak)

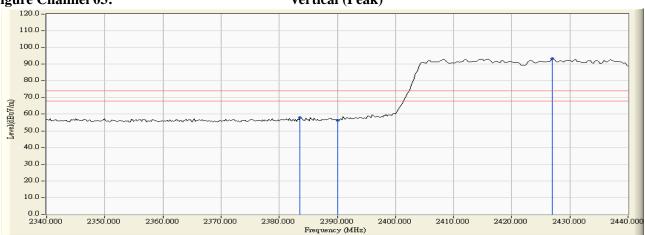
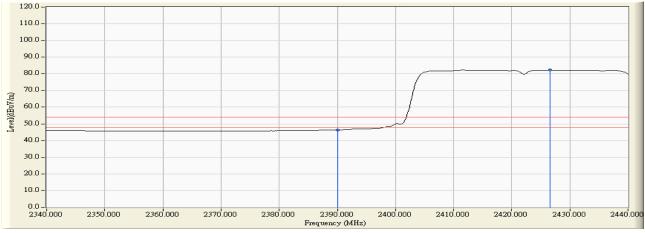
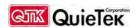


Figure Channel 03:

Vertical (Average)



- 1. All readings 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 worst emission level.
- 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.



Test Item : Band Edge Data
Test Site : No.3 OATS

Test Mode : Mode 4: Transmit (802.11n MCS8 30Mbps 40M-BW)

RF Radiated Measurement (Horizontal):

| Channel No. | Frequency | Correct Factor | Reading Level | Emission Level | Peak Limit | Average Limit | Result |
|--------------|-----------|----------------|---------------|----------------|------------|---------------|--------|
| Chamilei No. | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dBuV/m) | Kesuit |
| 09 (Peak) | 2455.900 | 33.877 | 67.289 | 101.166 | | | |
| 09 (Peak) | 2483.500 | 33.951 | 28.902 | 62.852 | 74.000 | 54.000 | Pass |
| 09 (Average) | 2462.500 | 33.894 | 56.629 | 90.523 | | | |
| 09 (Average) | 2483.500 | 33.951 | 16.551 | 50.501 | 74.000 | 54.000 | Pass |

Figure Channel 09:

Horizontal (Peak)

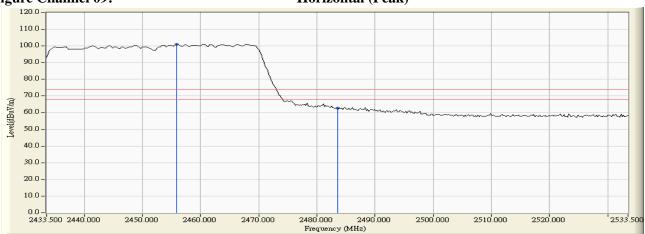
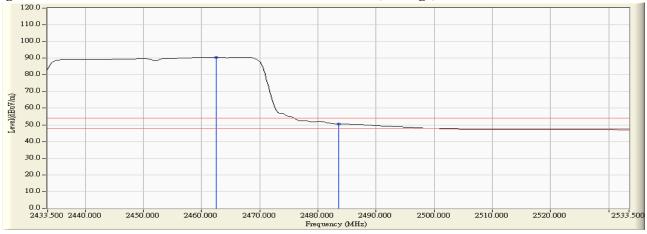


Figure Channel 09:

Horizontal (Average)



- 1. All readings 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 worst emission level.
- 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.



Test Item : Band Edge Data
Test Site : No.3 OATS

Test Mode : Mode 4: Transmit (802.11n MCS8 30Mbps 40M-BW)

RF Radiated Measurement (Vertical):

| Channel No. | Frequency | Correct Factor | Reading Level | Emission Level | Peak Limit | Average Limit | Result |
|--------------|-----------|----------------|---------------|----------------|------------|---------------|--------|
| Chamile No. | (MHz) | (dB) | (dBuV) | (dBuV/m) | (dBuV/m) | (dBuV/m) | Kesuit |
| 09 (Peak) | 2438.100 | 32.367 | 61.524 | 93.891 | | | |
| 09 (Peak) | 2483.500 | 32.586 | 25.878 | 58.463 | 74.000 | 54.000 | Pass |
| 09 (Average) | 2436.500 | 32.359 | 50.571 | 82.931 | | | |
| 09 (Average) | 2483.500 | 32.586 | 13.932 | 46.517 | 74.000 | 54.000 | Pass |

Figure Channel 09:

Vertical (Peak)

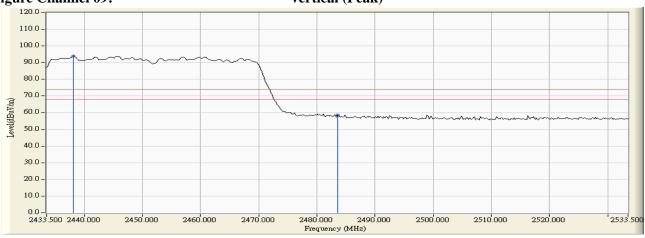


Figure Channel 09:

Vertical (Average)



- 1. All readings 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 worst emission level.
- 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. Occupied Bandwidth

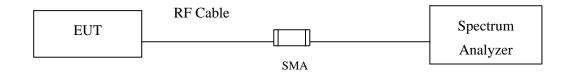
7.1. Test Equipment

| | Equipment | Manufacturer | Model No./Serial No. | Last Cal. | |
|---|-------------------|--------------|----------------------|------------|--|
| | Spectrum Analyzer | R&S | FSP40 / 100170 | Jun, 2013 | |
| | Spectrum Analyzer | Agilent | E4407B / US39440758 | Jun, 2013 | |
| X | Spectrum Analyzer | Agilent | N9010A / MY48030495 | Apr., 2013 | |

Note:

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

7.2. Test Setup



7.3. Limits

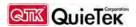
The minimum bandwidth shall be at least 500 kHz.

7.4. Test Procedure

The EUT was setup according to ANSI C63.10: 2009; tested according to DTS test procedure of KDB558074 for compliance to FCC 47CFR 15.247 requirements.

7.5. Uncertainty

 \pm 150Hz



7.6. Test Result of Occupied Bandwidth

Product : 802.11b/g/n 2T2R Wireless LAN USB Module

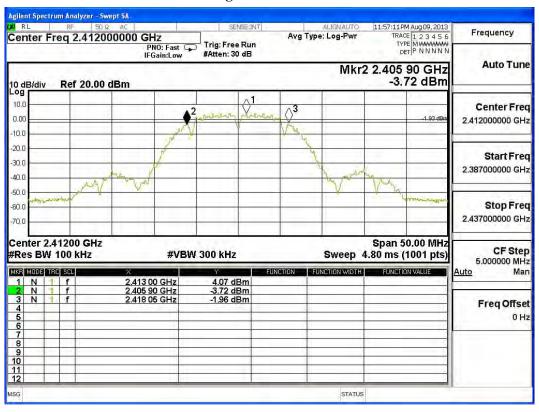
Test Item : Occupied Bandwidth Data

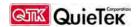
Test Site : No.3 OATS

Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|-------------------------|--------|
| 1 | 2412 | 12150 | >500 | Pass |

Figure Channel 1:





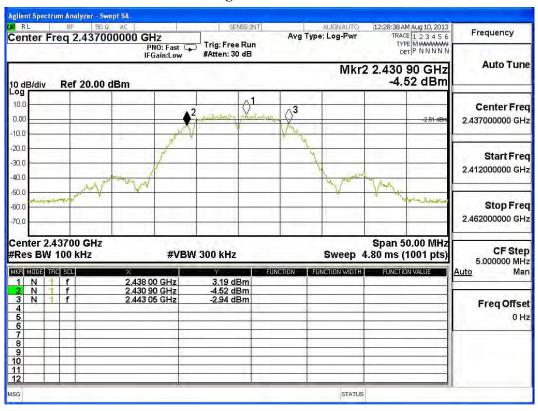
Test Item : Occupied Bandwidth Data

Test Site : No.3 OATS

Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|-------------------------|--------|
| 6 | 2437 | 12150 | >500 | Pass |

Figure Channel 6:





MSG

Product 802.11b/g/n 2T2R Wireless LAN USB Module

Test Item Occupied Bandwidth Data

Test Site No.3 OATS

Test Mode Mode 1: Transmit (802.11b 1Mbps) (2462MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|-------------------------|--------|
| 11 | 2462 | 12150 | >500 | Pass |

Figure Channel 11: Agilent Spectrum Analyzer - Swept SA 12:41:59 AM Aug 10, 2013 TRACE 1 2 3 4 5 6 TYPE M WWWWWWW DET P N N N N N Frequency Center Freq 2.462000000 GHz Avg Type: Log-Pwr Trig: Free Run #Atten: 30 dB PNO: Fast IFGain:Low **Auto Tune** Mkr2 2.455 90 GHz -4.93 dBm 10 dB/div Log Ref 20.00 dBm 10.0 Center Freq 2.462000000 GHz -10.0 -20.0 Start Freq -30.0 2.437000000 GHz -40.0 -50.0 Stop Freq -60.0 2.487000000 GHz -70.0 Center 2.46200 GHz Span 50.00 MHz CF Step 5.000000 MHz #Res BW 100 kHz **#VBW 300 kHz** Sweep 4.80 ms (1001 pts) FUNCTION FUNCTION WIDTH FUNCTION VALUE MKR MODE TRC SCL Auto 2.463 00 GHz 2.455 90 GHz 2.468 05 GHz 2.80 dBm -4.93 dBm -3.35 dBm Freq Offset 0 Hz

STATUS

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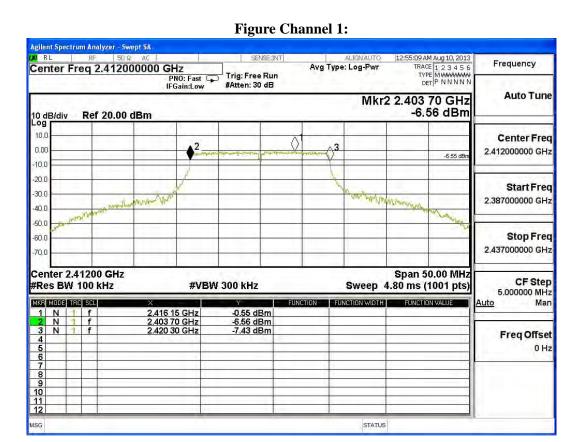


Test Item : Occupied Bandwidth Data

Test Site : No.3 OATS

Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|-------------------------|--------|
| 1 | 2412 | 16600 | >500 | Pass |



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MSG

802.11b/g/n 2T2R Wireless LAN USB Module Product

Test Item Occupied Bandwidth Data

Test Site No.3 OATS

Test Mode Mode 2: Transmit (802.11g 6Mbps) (2437MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|-------------------------|--------|
| 6 | 2437 | 16600 | >500 | Pass |

Figure Channel 6: Agilent Spectrum Analyzer - Swept SA UN RL | RF | 50 Ω AC | Center Freq 2.437000000 GHz 01:51:06 AM Aug 10, 2013 TRACE 1 2 3 4 5 6 TYPE MWWWWWW DET P N N N N ALIGNAUTO Avg Type: Log-Pwr Frequency Trig: Free Run #Atten: 30 dB PNO: Fast 😱 IFGain:Low **Auto Tune** Mkr2 2.428 70 GHz -8.05 dBm 10 dB/div Log Ref 20.00 dBm Center Freq 10.0 0.00 2.437000000 GHz -7.99 dB -10.0 -20.0 Start Freq -30.0 2.412000000 GHz -40.0 -50.0 -60.0 Stop Freq 2.462000000 GHz -70.0 Center 2.43700 GHz Span 50.00 MHz CF Step 5.000000 MHz Man **#VBW** 300 kHz #Res BW 100 kHz Sweep 4.80 ms (1001 pts) MKR MODE TRO SCL 1 N 1 f FUNCTION VALUE FUNCTION FUNCTION WIDTH 2.441 15 GHz 2.428 70 GHz 2.445 30 GHz -1.99 dBm -8.05 dBm -8.46 dBm 3 4 5 6 7 8 9 10 11 N 1 f Freq Offset 0 Hz STATUS

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MSG

Product 802.11b/g/n 2T2R Wireless LAN USB Module

Test Item Occupied Bandwidth Data

Test Site No.3 OATS

Test Mode Mode 2: Transmit (802.11g 6Mbps) (2462MHz)

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|-------------------------|--------|
| 11 | 2462 | 16650 | >500 | Pass |

Figure Channel 11: Agilent Spectrum Analyzer - Swept SA 02:31:35 AM Aug 10, 2013 TRACE 1 2 3 4 5 6 TYPE M WWWWWWW DET P N N N N N Frequency Center Freq 2.462000000 GHz Avg Type: Log-Pwr Trig: Free Run #Atten: 30 dB PNO: Fast 😱 IFGain:Low **Auto Tune** Mkr2 2.453 65 GHz -10.93 dBm 10 dB/div Log Ref 20.00 dBm 10.0 Center Freq 2.462000000 GHz -8.02 dB -10.0 -20.0 Start Freq -30.0 2.437000000 GHz -40.0 -50.0 Stop Freq -60.0 2.487000000 GHz -70.0 Center 2.46200 GHz Span 50.00 MHz CF Step 5.000000 MHz #Res BW 100 kHz **#VBW 300 kHz** Sweep 4.80 ms (1001 pts) FUNCTION FUNCTION WIDTH FUNCTION VALUE MKR MODE TRC SCL Auto 2.466 15 GHz 2.453 65 GHz 2.470 30 GHz -2.02 dBm -10.93 dBm -8.35 dBm Freq Offset 0 Hz

STATUS

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Test Item : Occupied Bandwidth Data

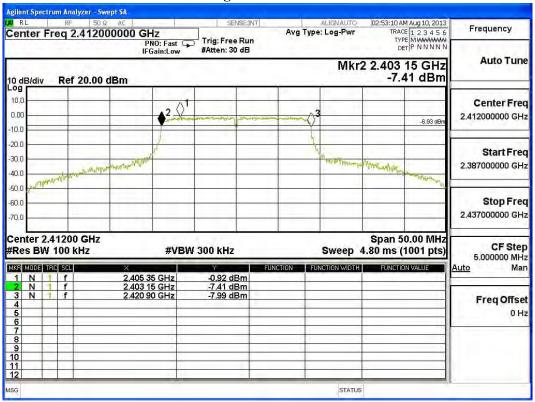
Test Site : No.3 OATS

Test Mode : Mode 3: Transmit (802.11n MCS8 14.4Mbps 20M-BW) (2412MHz)

Chain - A

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|-------------------------|--------|
| 1 | 2412 | 17750 | >500 | Pass |

Figure Channel 1:





Test Item : Occupied Bandwidth Data

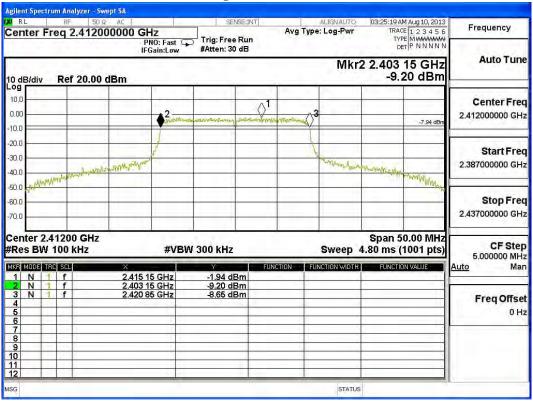
Test Site : No.3 OATS

Test Mode : Mode 3: Transmit (802.11n MCS8 14.4Mbps 20M-BW) (2412MHz)

Chain - B

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|-------------------------|--------|
| 1 | 2412 | 17700 | >500 | Pass |

Figure Channel 1:





Test Item : Occupied Bandwidth Data

Test Site : No.3 OATS

Test Mode : Mode 3: Transmit (802.11n MCS8 14.4Mbps 20M-BW) (2437MHz)

Chain - A

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|-------------------------|--------|
| 6 | 2437 | 17700 | >500 | Pass |

Figure Channel 6:





Test Item : Occupied Bandwidth Data

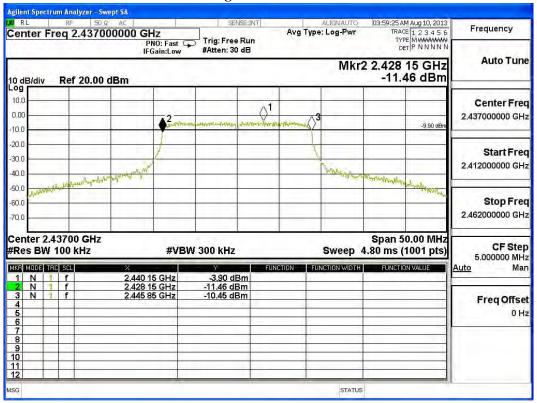
Test Site : No.3 OATS

Test Mode : Mode 3: Transmit (802.11n MCS8 14.4Mbps 20M-BW) (2437MHz)

Chain - B

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|-------------------------|--------|
| 6 | 2437 | 17700 | >500 | Pass |

Figure Channel 6:





Test Item : Occupied Bandwidth Data

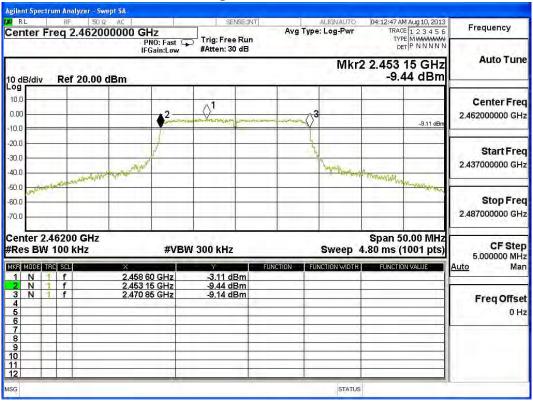
Test Site : No.3 OATS

Test Mode : Mode 3: Transmit (802.11n MCS8 14.4Mbps 20M-BW) (2462MHz)

Chain - A

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|--------------------|-------------------------|-------------------------|--------|
| 11 | 2462 | 17700 | >500 | Pass |

Figure Channel 11:





Test Item : Occupied Bandwidth Data

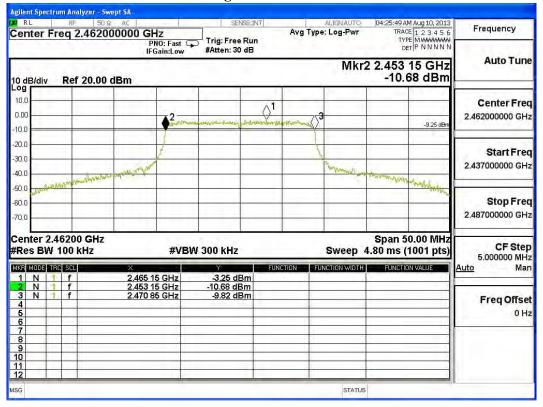
Test Site : No.3 OATS

Test Mode : Mode 3: Transmit (802.11n MCS8 14.4Mbps 20M-BW) (2462MHz)

Chain - B

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|-------------------------|--------|
| 11 | 2462 | 17700 | >500 | Pass |

Figure Channel 11:





Test Item : Occupied Bandwidth Data

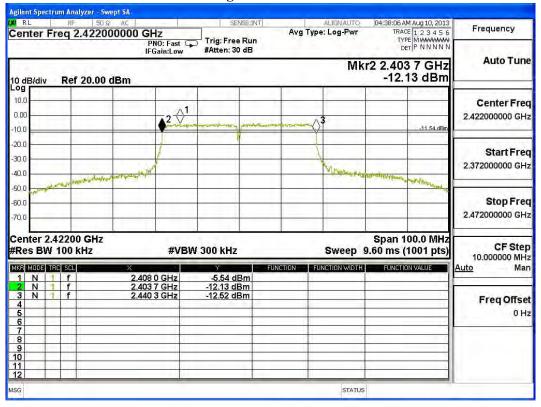
Test Site : No.3 OATS

Test Mode : Mode 4: Transmit (802.11n MCS8 30Mbps 40M-BW) (2422MHz)

Chain - A

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|-------------------------|--------|
| 3 | 2422 | 36600 | >500 | Pass |

Figure Channel 3:





Test Item : Occupied Bandwidth Data

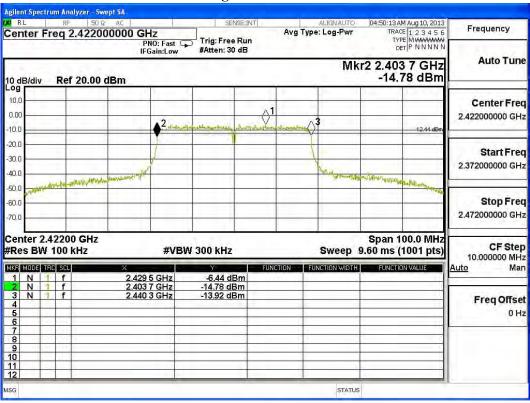
Test Site : No.3 OATS

Test Mode : Mode 4: Transmit (802.11n MCS8 30Mbps 40M-BW) (2422MHz)

Chain - B

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|-------------------------|--------|
| 3 | 2422 | 36600 | >500 | Pass |

Figure Channel 3:





Test Item : Occupied Bandwidth Data

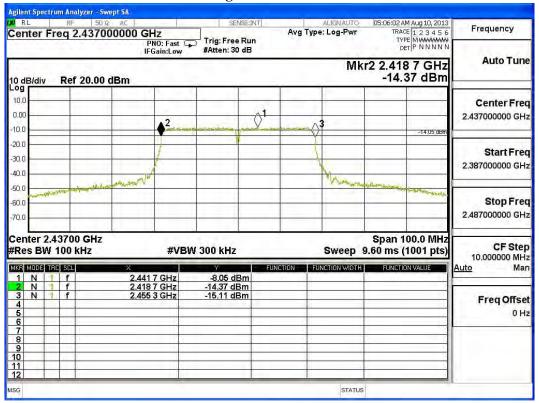
Test Site : No.3 OATS

Test Mode : Mode 4: Transmit (802.11n MCS8 30Mbps 40M-BW) (2437MHz)

Chain - A

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|-------------------------|--------|
| 6 | 2437 | 36600 | >500 | Pass |

Figure Channel 6:





Test Item : Occupied Bandwidth Data

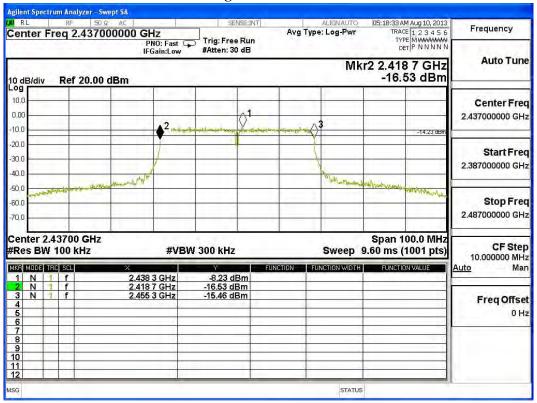
Test Site : No.3 OATS

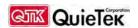
Test Mode : Mode 4: Transmit (802.11n MCS8 30Mbps 40M-BW) (2437MHz)

Chain - B

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|-------------------------|--------|
| 6 | 2437 | 36600 | >500 | Pass |

Figure Channel 6:





Test Item : Occupied Bandwidth Data

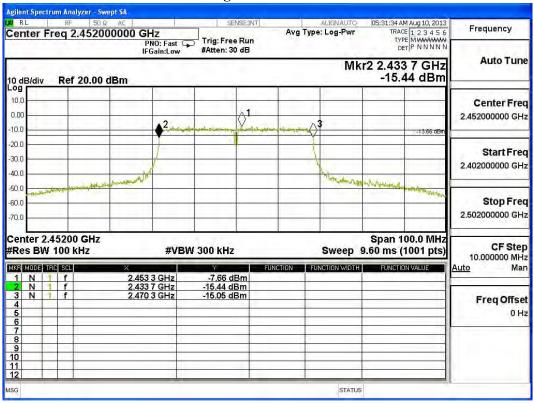
Test Site : No.3 OATS

Test Mode : Mode 4: Transmit (802.11n MCS8 30Mbps 40M-BW) (2452MHz)

Chain - A

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|-------------------------|--------|
| 9 | 2452 | 36600 | >500 | Pass |

Figure Channel 9:





Test Item : Occupied Bandwidth Data

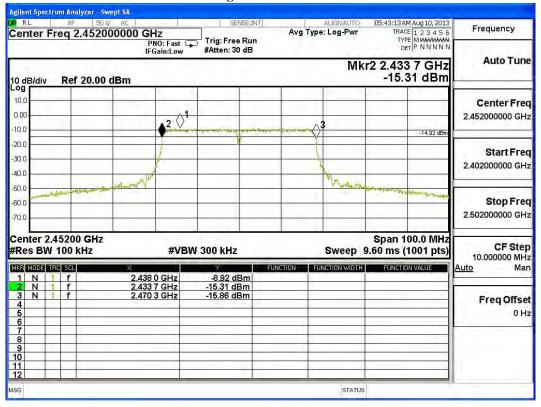
Test Site : No.3 OATS

Test Mode : Mode 4: Transmit (802.11n MCS8 30Mbps 40M-BW) (2452MHz)

Chain - B

| Channel No. | Frequency (MHz) | Measurement Level (kHz) | Required Limit (kHz) | Result |
|-------------|-----------------|-------------------------|-------------------------|--------|
| 9 | 2452 | 36600 | >500 | Pass |

Figure Channel 9:





8. Power Density

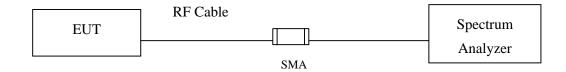
8.1. Test Equipment

| | Equipment | Manufacturer | Model No./Serial No. | Last Cal. |
|---|-------------------|--------------|----------------------|------------|
| | Spectrum Analyzer | R&S | FSP40 / 100170 | Jun, 2013 |
| | Spectrum Analyzer | Agilent | E4407B / US39440758 | Jun, 2013 |
| X | Spectrum Analyzer | Agilent | N9010A / MY48030495 | Apr., 2013 |

Note:

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

8.2. Test Setup



8.3. Limits

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

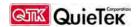
8.4. Test Procedure

The EUT was setup according to ANSI C63.10, 2009; tested according to DTS test procedure of KDB 558074 for compliance to FCC 47CFR 15.247 requirements.

The maximum power spectral density using KDB 558074 section 10.2 PKPSD (peak PSD) method.

8.5. Uncertainty

 \pm 1.27 dB



8.6. Test Result of Power Density

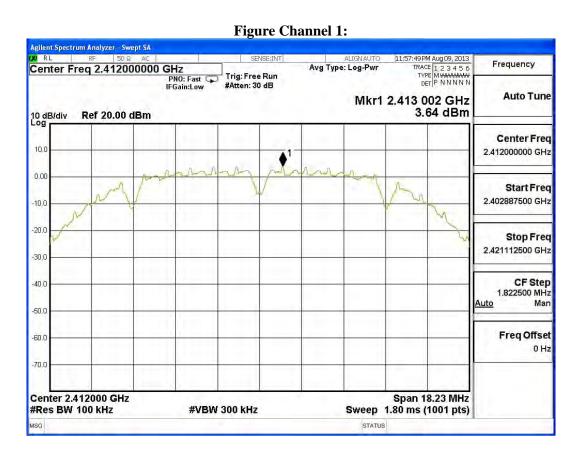
Product : 802.11b/g/n 2T2R Wireless LAN USB Module

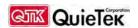
Test Item : Power Density Data

Test Site : No.3 OATS

Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2412MHz)

| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
|-------------|-----------------|---------------------|----------------|--------|
| 1 | 2412 | 3.64 | < 8dBm | Pass |



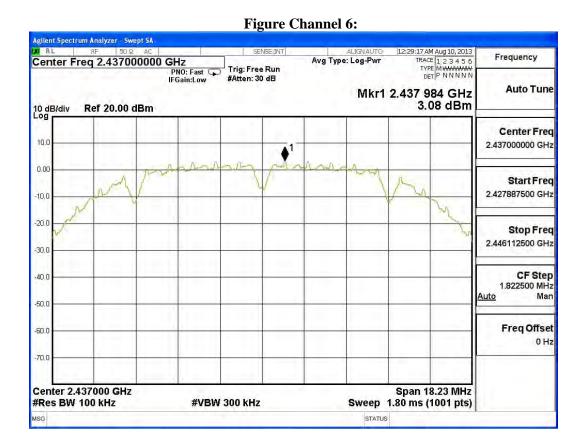


Test Item : Power Density Data

Test Site : No.3OATS

Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2437MHz)

| Channel No. | Frequency (MHz) | Measurement Level (dBm) | Required Limit (dBm) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 6 | 2437 | 3.08 | < 8dBm | Pass |



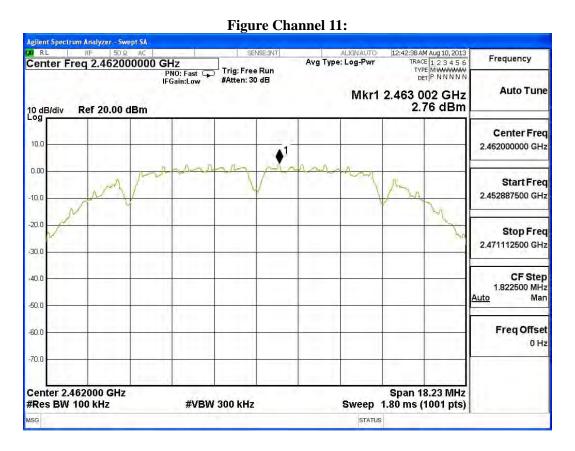


Test Item : Power Density Data

Test Site : No.3 OATS

Test Mode : Mode 1: Transmit (802.11b 1Mbps) (2462MHz)

| Channel No. | Frequency (MHz) | Measurement Level (dBm) | Required Limit (dBm) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 11 | 2462 | 2.76 | < 8dBm | Pass |



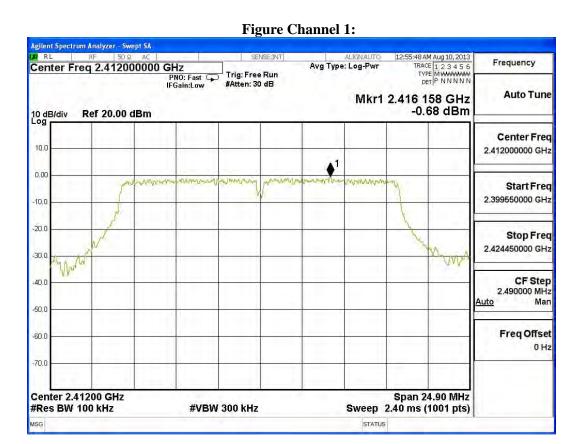


Test Item : Power Density Data

Test Site : No.3 OATS

Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2412MHz)

| Channel No. | Frequency (MHz) | Measure Level (dBm) | Limit (dBm) | Result |
|-------------|-----------------|---------------------|----------------|--------|
| 1 | 2412 | -0.68 | < 8dBm | Pass |



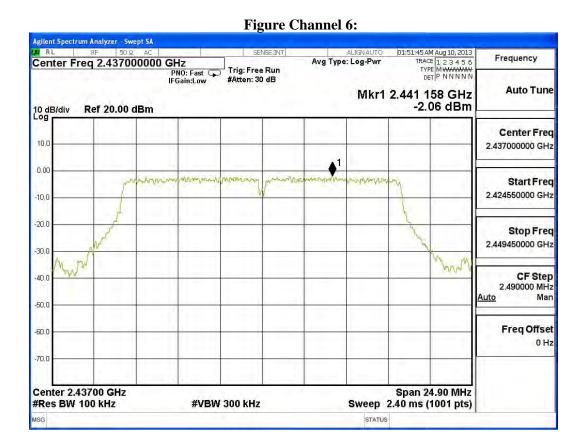


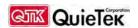
Test Item : Power Density Data

Test Site : No.3OATS

Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2437MHz)

| Channel No. | Frequency (MHz) | Measurement Level (dBm) | Required Limit (dBm) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 6 | 2437 | -2.06 | < 8dBm | Pass |



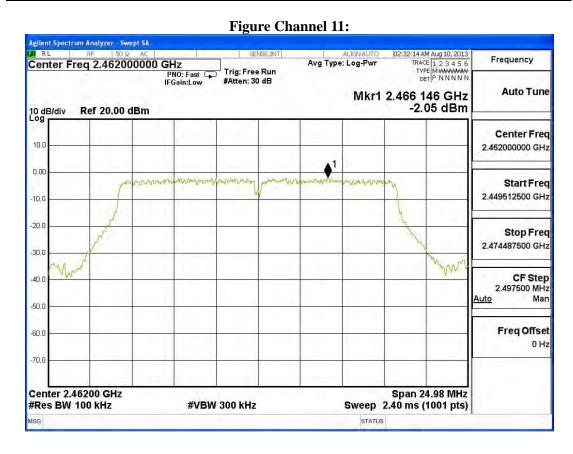


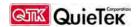
Test Item : Power Density Data

Test Site : No.3 OATS

Test Mode : Mode 2: Transmit (802.11g 6Mbps) (2462MHz)

| Channel No. | Frequency (MHz) | Measurement Level (dBm) | Required Limit (dBm) | Result |
|-------------|-----------------|-------------------------|----------------------|--------|
| 11 | 2462 | -2.05 | < 8dBm | Pass |





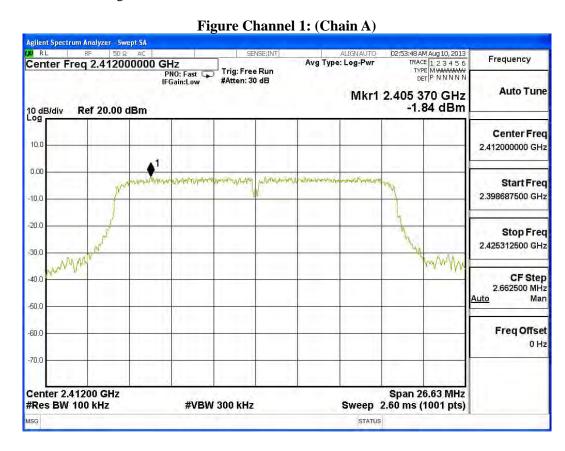
Test Item : Power Density Data

Test Site : No.3 OATS

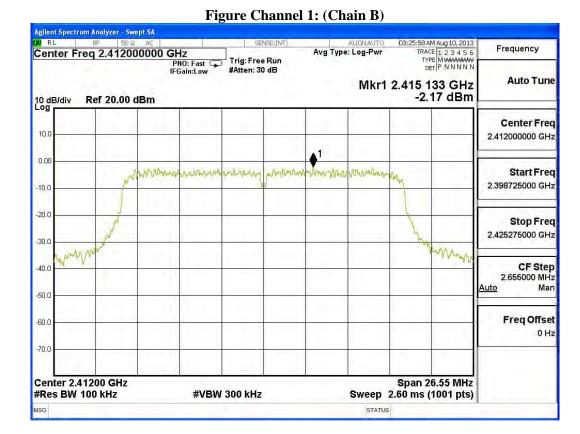
Test Mode : Mode 3: Transmit (802.11n MCS8 14.4Mbps 20M-BW) (2412MHz)

| CHAIN | PPSD/MHz (dBm) | Total PPSD/MHz (dBm)ı | Limit | Result |
|-------|-------------------|-----------------------|--------|--------|
| A | -1.850 | 1.160 | < 8dBm | Pass |
| В | -2.170 | 0.840 | < 8dBm | Pass |

Note 1: The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.







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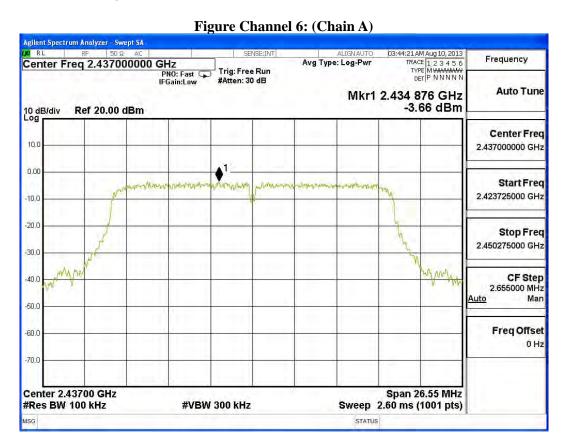
Test Item : Power Density Data

Test Site : No.3OATS

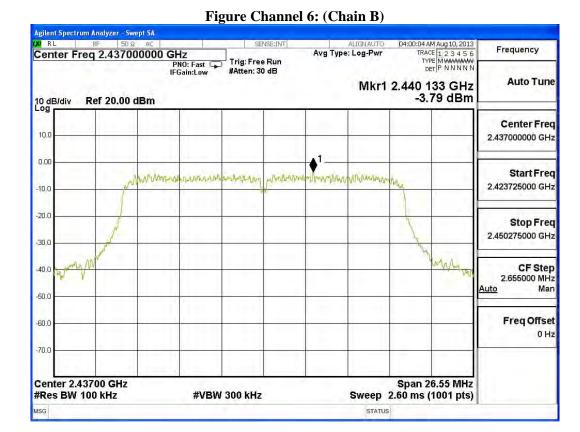
Test Mode : Mode 3: Transmit (802.11n MCS8 14.4Mbps 20M-BW) (2437MHz)

| CHAIN | PPSD/MHz (dBm) | Total PPSD/MHz (dBm)ı | Limit | Result |
|-------|-------------------|-----------------------------|--------|--------|
| A | -3.660 | -0.650 | < 8dBm | Pass |
| В | -3.790 | -0.780 | < 8dBm | Pass |

Note 1: The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.









Test Item : Power Density Data

Test Site : No.3 OATS

Test Mode : Mode 3: Transmit (802.11n MCS8 14.4Mbps 20M-BW) (2462MHz)

| CHAIN | PPSD/MHz (dBm) | Total PPSD/MHz (dBm)ı | Limit | Result |
|-------|-------------------|-----------------------------|--------|--------|
| Α | -3.620 | -0.610 | < 8dBm | Pass |
| В | -3.080 | -0.070 | < 8dBm | Pass |

Note 1: The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.

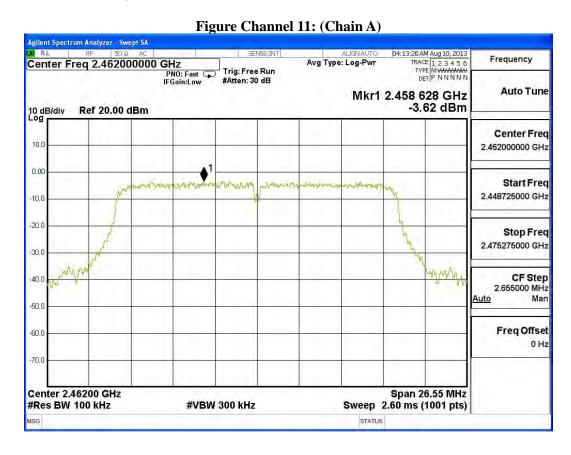
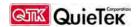




Figure Channel 11: (Chain B) Center Freq 2.462000000 GHz
PNO: Fast Figure 1.0 Processor Freq Processor Freq Processor Frequency Process 04:26:28 AM Aug 10, 2013 TRACE 1 2 3 4 5 6 TYPE M WWWWW DET P N N N N N Frequency Trig: Free Run #Atten: 30 dB **Auto Tune** Mkr1 2.465 133 GHz -3.08 dBm 10 dB/div Log Ref 20.00 dBm Center Freq 10.0 2.462000000 GHz 0.00 Start Freq Marshow not by your and a color of the gray MANAMA MAN MAR 2.448725000 GHz -10.0 -20.0 Stop Freq 2.475275000 GHz -30.0 w Whanty CF Step 2.655000 MHz Man -40.0 Auto -50.0 Freq Offset -60.0 0 Hz -70.0 Span 26.55 MHz Sweep 2.60 ms (1001 pts) Center 2.46200 GHz #Res BW 100 kHz

STATUS

#VBW 300 kHz



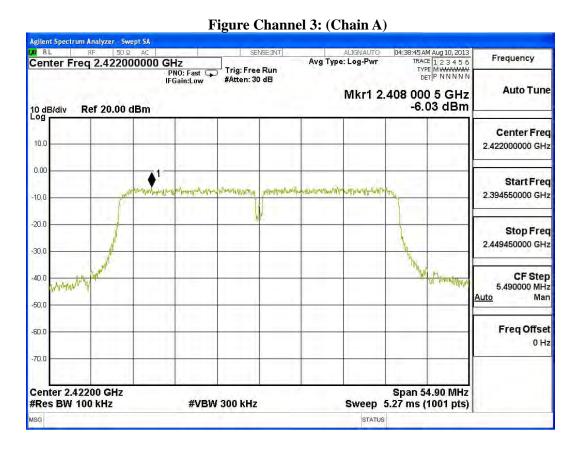
Test Item : Power Density Data

Test Site : No.3 OATS

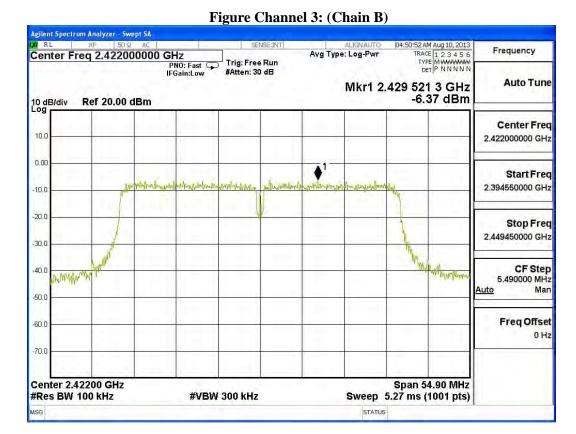
Test Mode : Mode 4: Transmit (802.11n MCS8 30Mbps 40M-BW) (2422MHz)

| CHAIN | PPSD/MHz (dBm) | Total PPSD/MHz (dBm)ı | Limit | Result |
|-------|-------------------|-----------------------------|--------|--------|
| A | -6.030 | -3.020 | < 8dBm | Pass |
| В | -6.370 | -3.360 | < 8dBm | Pass |

Note 1: The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.









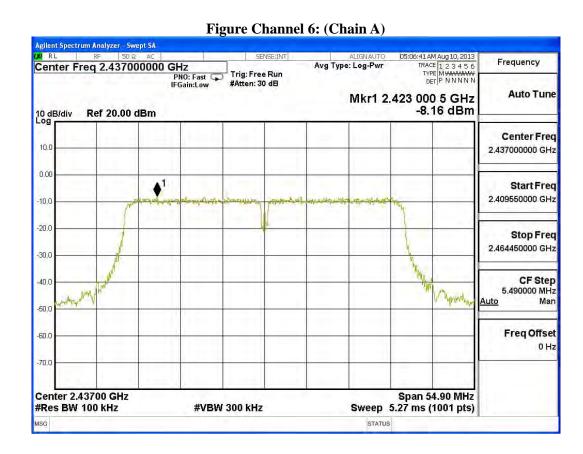
Test Item : Power Density Data

Test Site : No.3OATS

Test Mode : Mode 4: Transmit (802.11n MCS8 30Mbps 40M-BW) (2437MHz)

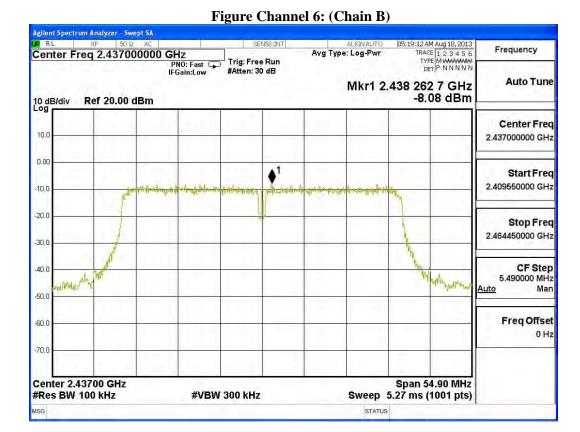
| CHAIN | PPSD/MHz (dBm) | Total PPSD/MHz (dBm)ı | Limit | Result |
|-------|-------------------|-----------------------------|--------|--------|
| Α | -8.160 | -5.150 | < 8dBm | Pass |
| В | -8.080 | -5.070 | < 8dBm | Pass |

Note 1: The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.



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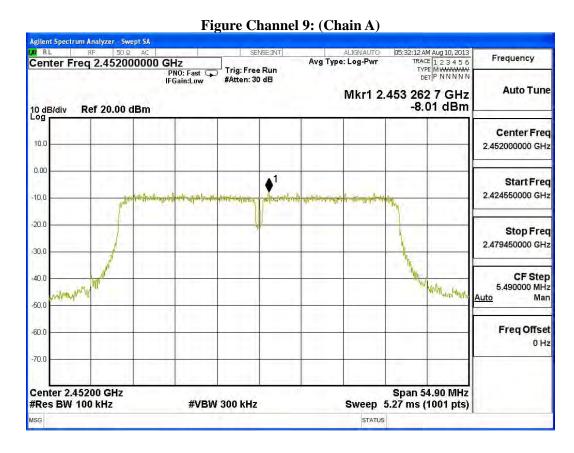
Test Item : Power Density Data

Test Site : No.3 OATS

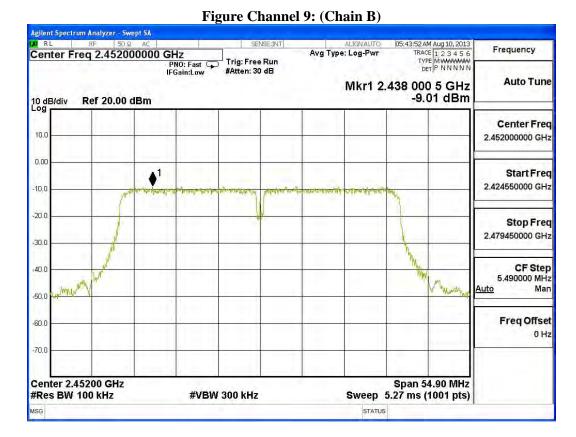
Test Mode : Mode 4: Transmit (802.11n MCS8 30Mbps 40M-BW) (2452MHz)

| CHAIN | PPSD/MHz (dBm) | Total PPSD/MHz (dBm)ı | Limit | Result |
|-------|-------------------|-----------------------------|--------|--------|
| A | -8.010 | -5.000 | < 8dBm | Pass |
| В | -9.010 | -6.000 | < 8dBm | Pass |

Note 1: The quantity 10*log 2 (two antennas) is added to the spectrum peak value according to document 662911 D01.









9. EMI Reduction Method During Compliance Testing

No modification was made during testing.

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