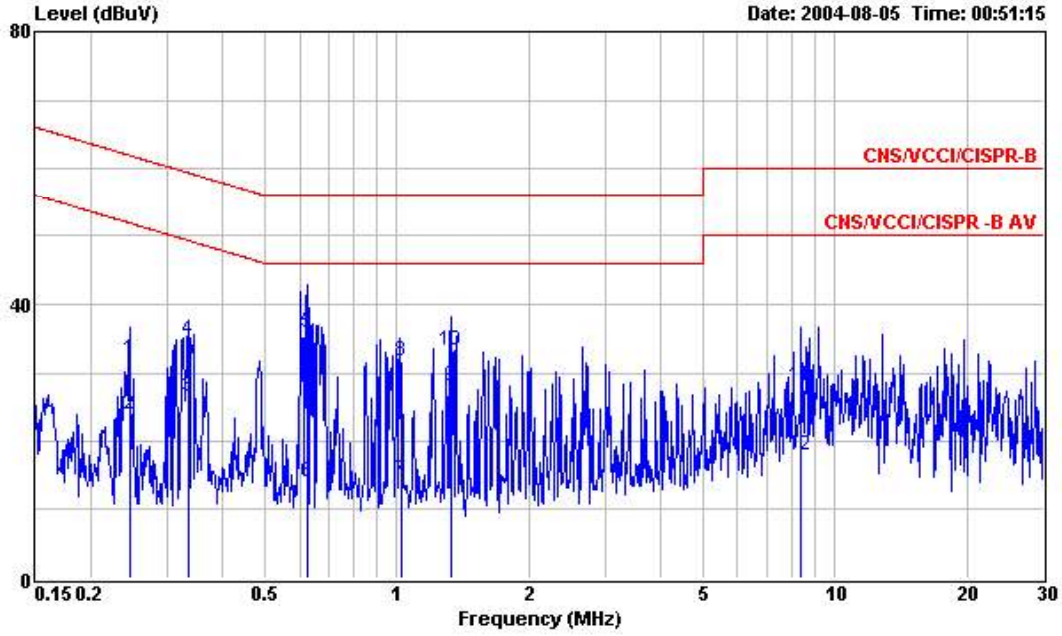
6.3.5 Frequency Range of Test : 150kHz to 30 MHz

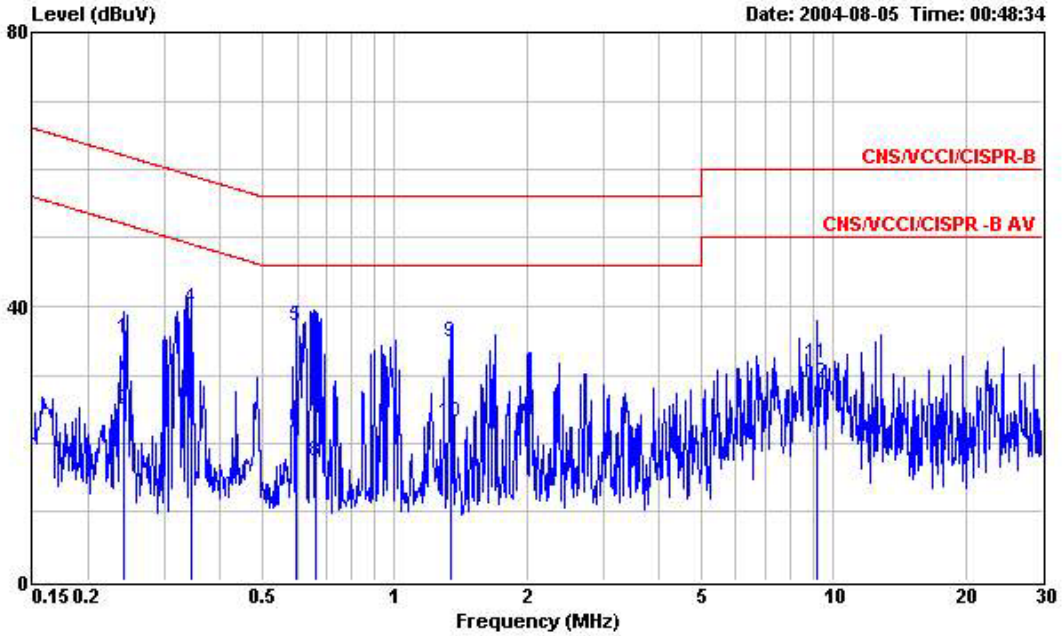
- Test Mode : Mode 5
- Temperature : 25.5°C
- Relative Humidity : 53 %

**■ The test that passed at minimum margin was marked by the frame in the following table.**




Site : CO01-HY
Condition : CNS/VCCI/CISPR-B 2003 2001/008 LINE
EUT : 802.11a/b/g Access Point
Power : 120Vac/60Hz
Model : WASP-5100
Memo : 802.11 a link mode

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Remark |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | dB | |
| 1 | 0.246 | 32.03 | -29.86 | 61.89 | 31.91 | 0.10 | 0.02 | QP |
| 2 | 0.246 | 23.86 | -28.03 | 51.89 | 23.74 | 0.10 | 0.02 | Average |
| 3 | 0.334 | 26.37 | -22.98 | 49.35 | 26.25 | 0.10 | 0.02 | Average |
| 4 | 0.334 | 34.79 | -24.56 | 59.35 | 34.67 | 0.10 | 0.02 | QP |
| 5 | 0.627 | 35.88 | -20.12 | 56.00 | 35.75 | 0.10 | 0.03 | QP |
| 6 | 0.627 | 14.14 | -31.86 | 46.00 | 14.01 | 0.10 | 0.03 | Average |
| 7 | 1.020 | 14.39 | -31.61 | 46.00 | 14.25 | 0.10 | 0.04 | Average |
| 8 | 1.020 | 31.70 | -24.30 | 56.00 | 31.56 | 0.10 | 0.04 | QP |
| 9 | 1.330 | 27.93 | -18.07 | 46.00 | 27.77 | 0.10 | 0.06 | Average |
| 10 | 1.330 | 33.17 | -22.83 | 56.00 | 33.01 | 0.10 | 0.06 | QP |
| 11 | 8.370 | 27.94 | -32.06 | 60.00 | 27.66 | 0.18 | 0.10 | QP |
| 12 | 8.370 | 17.80 | -32.20 | 50.00 | 17.52 | 0.18 | 0.10 | Average |




Site : CO01-HY
Condition : CNS/VCCI/CISPR-B 2003 2001/008 NEUTRAL
EUT : 802.11a/b/g Access Point
Power : 120Vac/60Hz
Model : WASP-5100
Memo : 802.11 a link mode

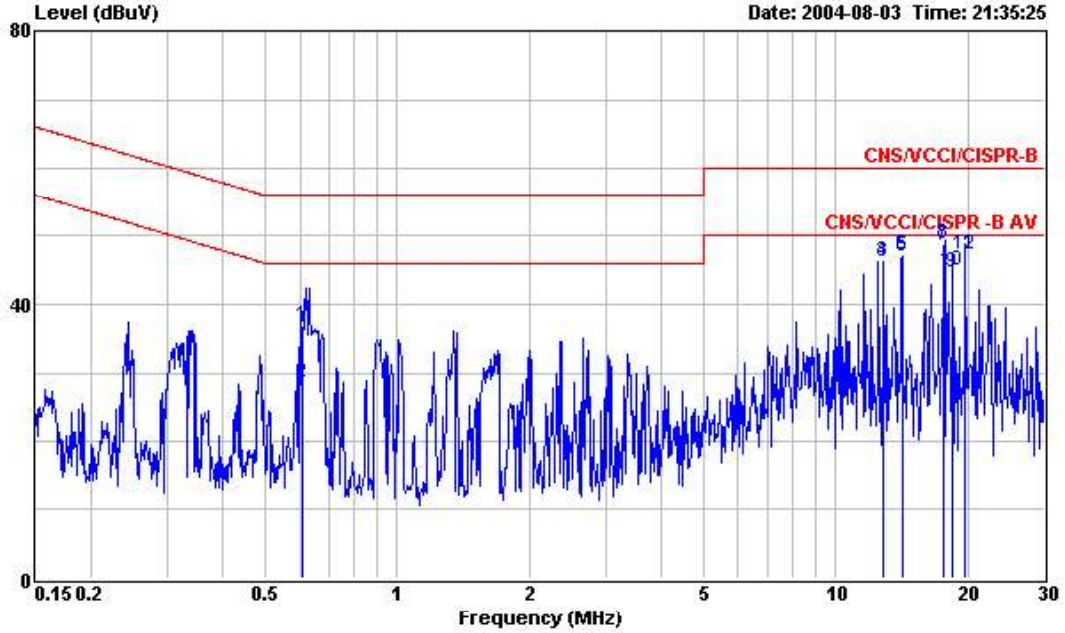
| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Remark |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | dB | |
| 1 | 0.242 | 35.42 | -26.61 | 62.03 | 35.30 | 0.10 | 0.02 | QP |
| 2 | 0.242 | 24.97 | -27.06 | 52.03 | 24.85 | 0.10 | 0.02 | Average |
| 3 | 0.343 | 26.37 | -22.76 | 49.13 | 26.24 | 0.10 | 0.03 | Average |
| 4 | 0.343 | 39.65 | -19.48 | 59.13 | 39.52 | 0.10 | 0.03 | QP |
| 5 | 0.599 | 37.05 | -18.95 | 56.00 | 36.92 | 0.10 | 0.03 | QP |
| 6 | 0.599 | 22.38 | -23.62 | 46.00 | 22.25 | 0.10 | 0.03 | Average |
| 7 | 0.658 | 35.99 | -20.01 | 56.00 | 35.85 | 0.10 | 0.04 | QP |
| 8 | 0.658 | 17.44 | -28.56 | 46.00 | 17.30 | 0.10 | 0.04 | Average |
| 9 | 1.340 | 34.71 | -21.29 | 56.00 | 34.55 | 0.10 | 0.06 | QP |
| 10 | 1.340 | 23.13 | -22.87 | 46.00 | 22.97 | 0.10 | 0.06 | Average |
| 11 | 9.200 | 31.76 | -28.24 | 60.00 | 31.46 | 0.20 | 0.10 | QP |
| 12 | 9.200 | 28.73 | -21.27 | 50.00 | 28.43 | 0.20 | 0.10 | Average |

Test Engineer : Jay

6.3.6 Frequency Range of Test : 150kHz to 30 MHz

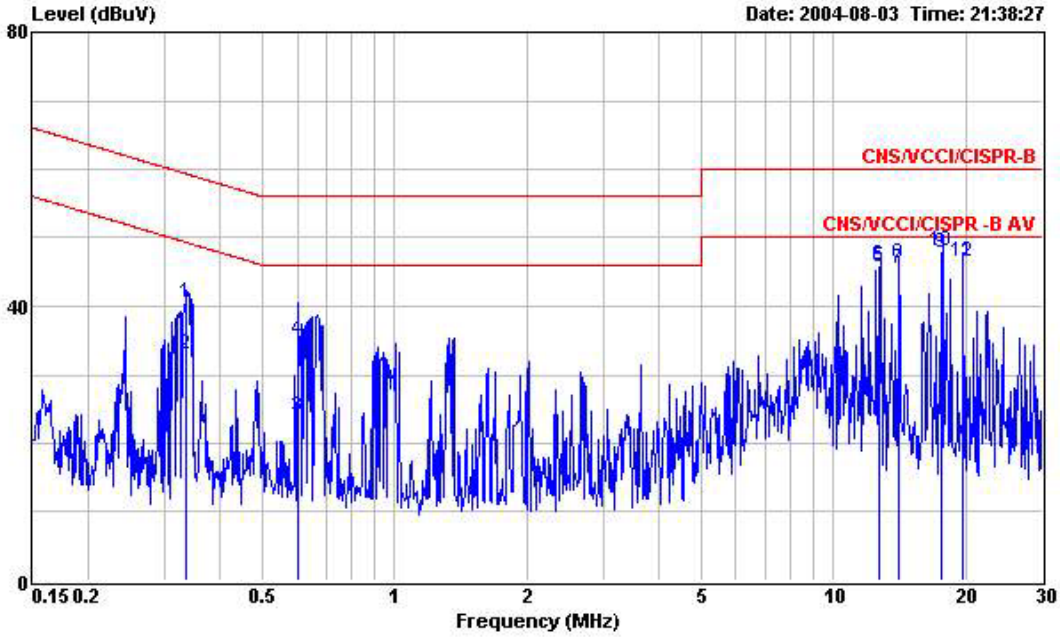
- Test Mode : Mode 6
- Temperature : 25.5°C
- Relative Humidity : 53 %

**■ The test that passed at minimum margin was marked by the frame in the following table.**




Site : CO01-HY
Condition : CNS/VCCI/CISPR-B 2003 2001/008 LINE
EUT : 802.11a/b/g Access Point
Power : 120Vac/60Hz
Model : WASP-5100
Memo : 802.11 a+g link mode

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Remark |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | dB | |
| 1 | 0.606 | 36.99 | -19.01 | 56.00 | 36.86 | 0.10 | 0.03 | QP |
| 2 | 0.606 | 28.52 | -17.48 | 46.00 | 28.39 | 0.10 | 0.03 | Average |
| 3 | 12.810 | 46.18 | -3.82 | 50.00 | 45.87 | 0.20 | 0.11 | Average |
| 4 | 12.810 | 46.26 | -13.74 | 60.00 | 45.95 | 0.20 | 0.11 | QP |
| 5 | 14.214 | 46.94 | -13.06 | 60.00 | 46.62 | 0.20 | 0.12 | QP |
| 6 | 14.214 | 47.27 | -2.73 | 50.00 | 46.95 | 0.20 | 0.12 | Average |
| 7 | 17.695 | 48.48 | -11.52 | 60.00 | 48.08 | 0.26 | 0.14 | QP |
| 8 | 17.695 | 48.85 | -1.15 | 50.00 | 48.45 | 0.26 | 0.14 | Average |
| 9 | 18.489 | 44.65 | -15.35 | 60.00 | 44.24 | 0.27 | 0.14 | QP |
| 10 | 18.489 | 45.02 | -4.98 | 50.00 | 44.61 | 0.27 | 0.14 | Average |
| 11 | 19.710 | 47.27 | -2.73 | 50.00 | 46.82 | 0.30 | 0.15 | Average |
| 12 | 19.710 | 47.31 | -12.69 | 60.00 | 46.86 | 0.30 | 0.15 | QP |




Site : CO01-HY
Condition : CNS/VCCI/CISPR-B 2003 2001/008 NEUTRAL
EUT : 802.11a/b/g Access Point
Power : 120Vac/60Hz
Model : WASP-5100
Memo : 802.11 a+g link mode

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Remark |
|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV | dB | dBuV | dBuV | dB | dB | |
| 1 | 0.336 | 40.43 | -18.87 | 59.30 | 40.31 | 0.10 | 0.02 | QP |
| 2 | 0.336 | 33.08 | -16.22 | 49.30 | 32.96 | 0.10 | 0.02 | Average |
| 3 | 0.602 | 23.85 | -22.15 | 46.00 | 23.72 | 0.10 | 0.03 | Average |
| 4 | 0.602 | 35.15 | -20.85 | 56.00 | 35.02 | 0.10 | 0.03 | QP |
| 5 | 12.750 | 45.67 | -14.33 | 60.00 | 45.30 | 0.26 | 0.11 | QP |
| 6 | 12.750 | 46.01 | -3.99 | 50.00 | 45.64 | 0.26 | 0.11 | Average |
| 7 | 14.154 | 45.41 | -14.59 | 60.00 | 45.00 | 0.29 | 0.12 | QP |
| 8 | 14.154 | 46.24 | -3.76 | 50.00 | 45.83 | 0.29 | 0.12 | Average |
| 9 | 17.696 | 47.73 | -12.27 | 60.00 | 47.29 | 0.30 | 0.14 | QP |
| 10 | 17.696 | 48.02 | -1.98 | 50.00 | 47.58 | 0.30 | 0.14 | Average |
| 11 | 19.710 | 46.59 | -3.41 | 50.00 | 46.14 | 0.30 | 0.15 | Average |
| 12 | 19.710 | 46.54 | -13.46 | 60.00 | 46.09 | 0.30 | 0.15 | QP |

Test Engineer : Jay

# 7. Test of Radiated Emission

Radiated emissions from 30 MHz to 25 GHz were measured according to the methods defined in ANSI C63.4-2001. The EUT was placed, 0.8 meter above the ground plane, as shown in section 5.6.3. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions

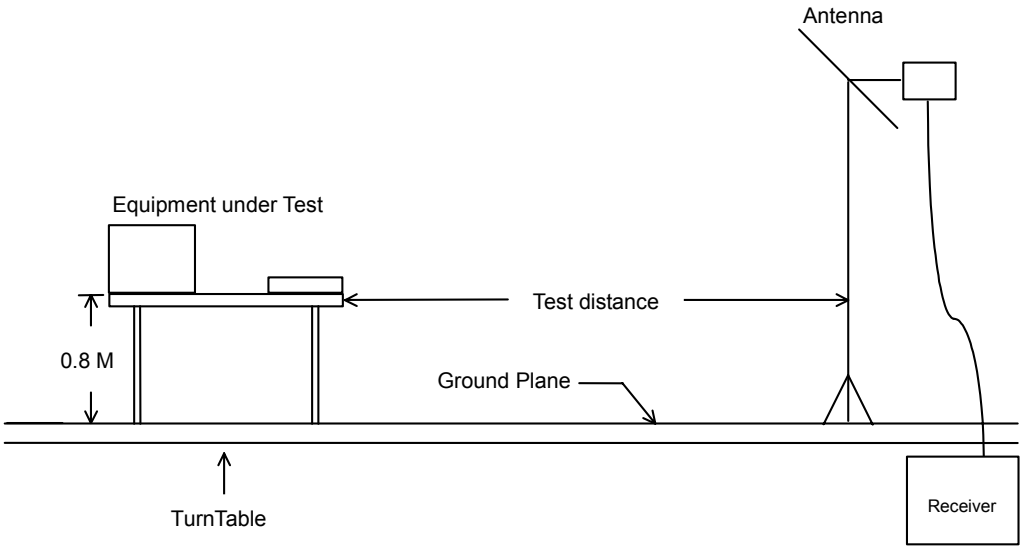
## 7.1. Major Measuring Instruments

| | |
|---|---|
| ● Amplifier | (MITEQ AFS44 ) |
| RF Gain | 40 dB |
| Signal Input | 100 MHz to 26.5 GHz |
| ● Spectrum analyzer | (HP 8447D ) |
| RF Gain | 30 dB |
| Signal Input | 100 kHz to 1.3 GHz |
| ● Amplifier | (PA-103) |
| RF Gain | 30 dB |
| Signal Input | 100 MHz to 1 GHz |
| ● Spectrum analyzer | ( R&S FSP40 ) |
| Attenuation | 10 dB |
| Start Frequency | 1 GHz |
| Stop Frequency | 25 GHz |
| Resolution Bandwidth | 1 MHz |
| Video Bandwidth | 1 MHz |
| Signal Input | 9 kHz to 40 GHz |
| ● Spectrum analyzer | ( R&S FSP40 ) |
| Attenuation | 10 dB |
| Start Frequency | 30MHz |
| Stop Frequency | 1 GHz |
| Resolution Bandwidth | 120 KHz |
| Video Bandwidth | 300KHz |
| Signal Input | 9 kHz to 40 GHz |

## 7.2. Test Procedures

1. The EUT was placed on a rotatable table top 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
7. For testing below 1GHz, If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the quasi-peak method and reported.
8. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in average mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

## 7.3. Typical Test Setup Layout of Radiated Emission



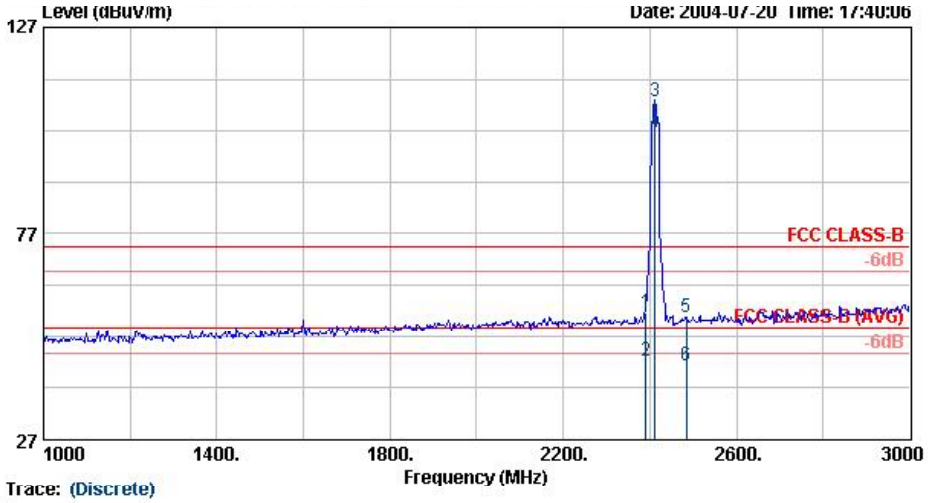
## 7.4. Test Result of Radiated Emission

### 7.4.1 Antenna 1

Test Mode: 802.11b TX CH01

- Test Distance : 3 m
- Temperature : 25.3 °C
- Relative Humidity :53.5 %
- Emission level (dBuV/m) = 20 log Emission level (uV/m)
- Corrected Reading : Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

**■ The test that passed at minimum margin was marked by the frame in the following table.**

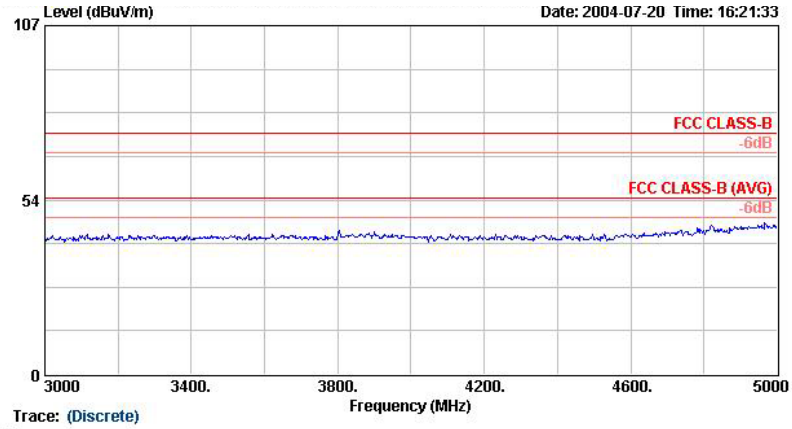



Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP - 5110
Memo : 802.11b TX CH01 2412MHz

| | Freq | Level | Over Limit | Limit Line | Antenna Factor | Preamp Factor | Cable Loss | Remark | Ant Pos | Table Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dB/m | dB | dB | | cm | deg |
| 1 | 2390.00 | 57.94 | -16.06 | 74.00 | 28.40 | 44.34 | 3.33 | Peak | 0 | 0 |
| 2 | 2390.00 | 46.09 | -7.91 | 54.00 | 28.40 | 44.34 | 3.33 | Average | 0 | 0 |
| 3 @ | 2412.30 | 109.17 | | | 28.41 | 44.34 | 3.35 | Peak | 0 | 0 |
| 4 @ | 2412.30 | 101.61 | | | 28.41 | 44.34 | 3.35 | Average | 0 | 0 |
| 5 | 2483.50 | 56.83 | -17.17 | 74.00 | 28.48 | 44.31 | 3.40 | Peak | --- | --- |
| 6 | 2483.50 | 44.92 | -9.08 | 54.00 | 28.48 | 44.31 | 3.40 | Average | 0 | 0 |

Remark:

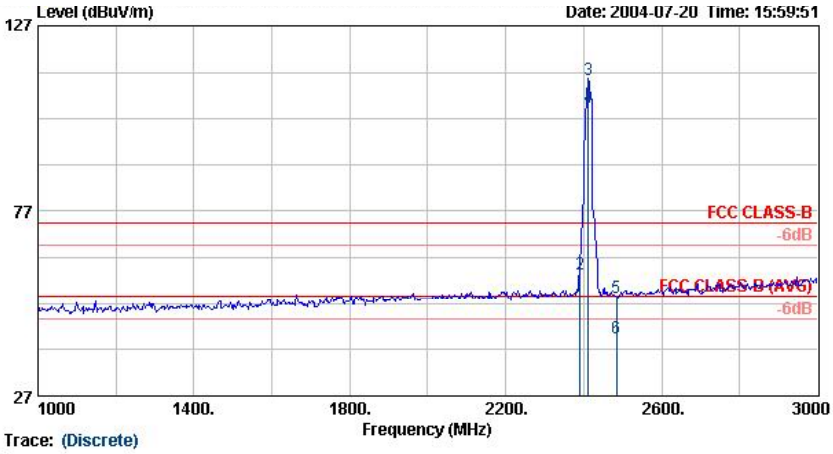
The “X” represent a fundamental frequency.




Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP - 5110
Memo : 802.11b TX CH01 2412MHz

Remark:

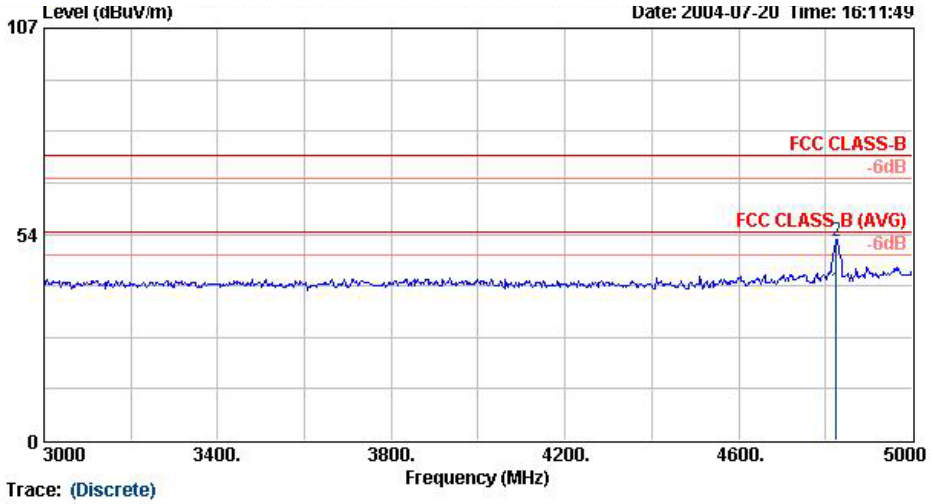
The “X” represent a fundamental frequency.




Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP - 5110
Memo : 802.11b TX CH01 2412MHz

| | Freq | Over Limit | Level | Limit Line | Antenna Factor | Preamp Factor | Cable Loss | Remark | Ant Pos | Table Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dBuV/m | dBuV/m | dB/m | dB | dB | | cm | deg |
| 1 ! | 2390.00 | -2.41 | 51.59 | 54.00 | 28.40 | 44.34 | 3.33 | Average | 0 | 0 |
| 2 | 2390.00 | -13.89 | 60.11 | 74.00 | 28.40 | 44.34 | 3.33 | Peak | 0 | 0 |
| 3 X | 2412.00 | | 112.43 | | 28.41 | 44.34 | 3.35 | Peak | 0 | 0 |
| 4 @ | 2412.00 | | 105.11 | | 28.41 | 44.34 | 3.32 | Average | 0 | 0 |
| 5 | 2483.50 | -20.16 | 53.84 | 74.00 | 28.48 | 44.31 | 3.40 | Peak | --- | --- |
| 6 | 2483.50 | -11.31 | 42.69 | 54.00 | 28.48 | 44.31 | 3.40 | Average | 0 | 0 |

Remark: The “X” represent a fundamental frequency.




Trace: (Discrete)

Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP - 5110
Memo : 802.11b TX CH01 2412MHz

| | Freq | Level | Over Limit | Limit Line | Antenna Factor | Preamp Factor | Cable Loss | Remark | Ant Pos | Table Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dB/m | dB | dB | | cm | deg |
| 1 | 4824.00 | 39.06 | -14.94 | 54.00 | 32.36 | 45.56 | 4.76 | Average | 0 | 0 |
| 2 | 4824.00 | 51.58 | -22.42 | 74.00 | 32.36 | 45.56 | 4.76 | Peak | 0 | 0 |

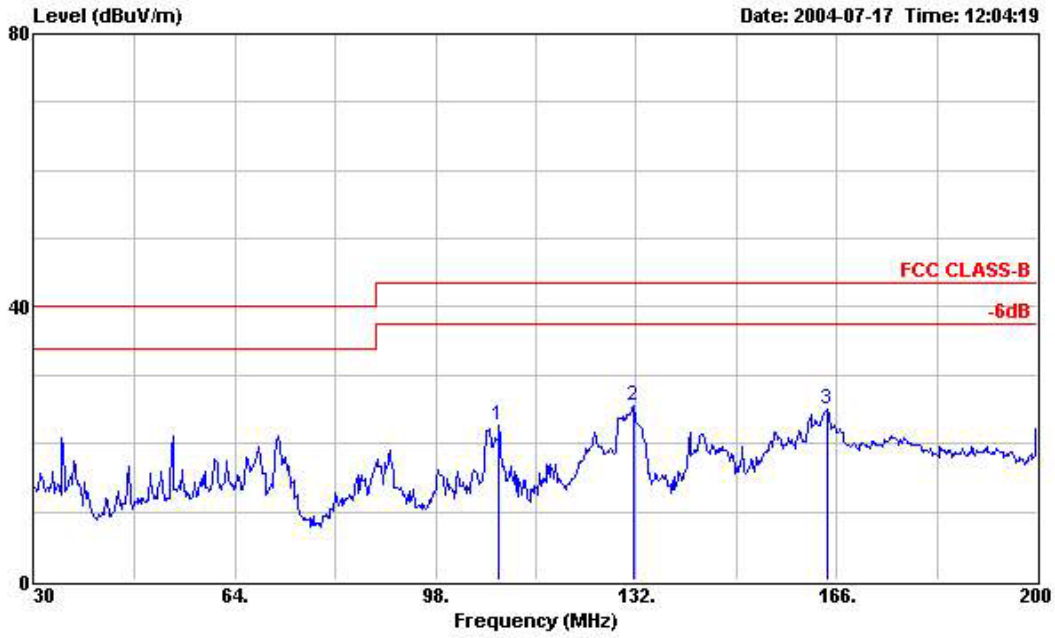
Remark:

Frequency from 5GHz to 25GHz, the emission emitted by the EUT is too low to be measured.

Test Mode: 802.11b TX CH06

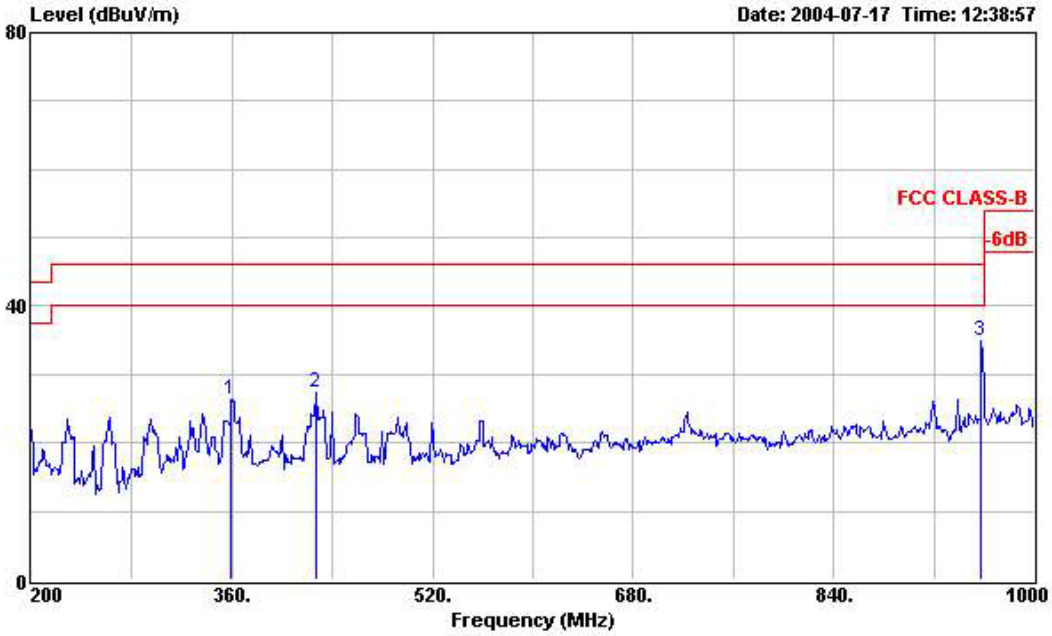
- Test Distance : 3 m
- Temperature : 25.3 °C
- Relative Humidity :53.5 %
- Emission level (dBuV/m) = 20 log Emission level (uV/m)
- Corrected Reading : Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

**■ The test that passed at minimum margin was marked by the frame in the following table.**



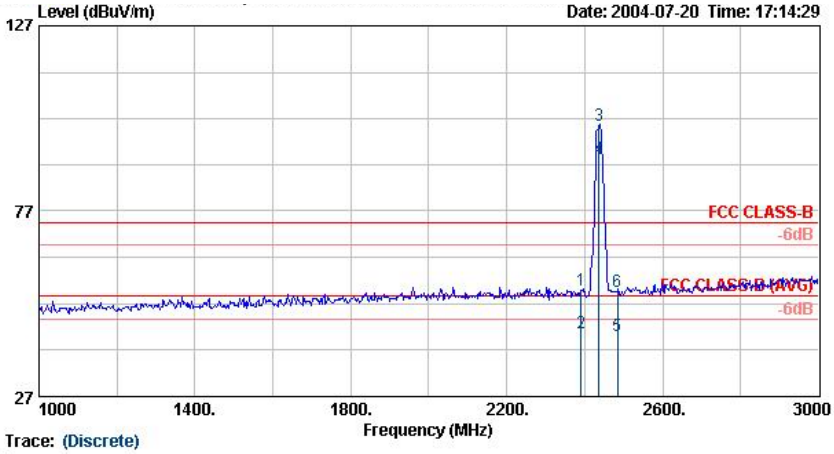

Site : 03CH03-HY
Condition : FCC CLASS-B 3m BIC-9124--301 HORIZONTAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP-5110
Memo : 11b TX CH06 2437MHz
: WS2000

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 108.710 | 22.65 | -20.85 | 43.50 | 38.32 | 10.35 | 1.86 | 27.88 | Peak | --- | --- |
| 2 | 131.660 | 25.62 | -17.88 | 43.50 | 39.96 | 11.43 | 2.07 | 27.84 | Peak | --- | --- |
| 3 | 164.470 | 25.03 | -18.47 | 43.50 | 37.54 | 12.94 | 2.32 | 27.77 | Peak | --- | --- |




Site : 03CH03-HY
Condition : FCC CLASS-B 3m LOG-9111-221 HORIZONTAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP-5110
Memo : 11b TX CH06 2437MHz
: WS2000

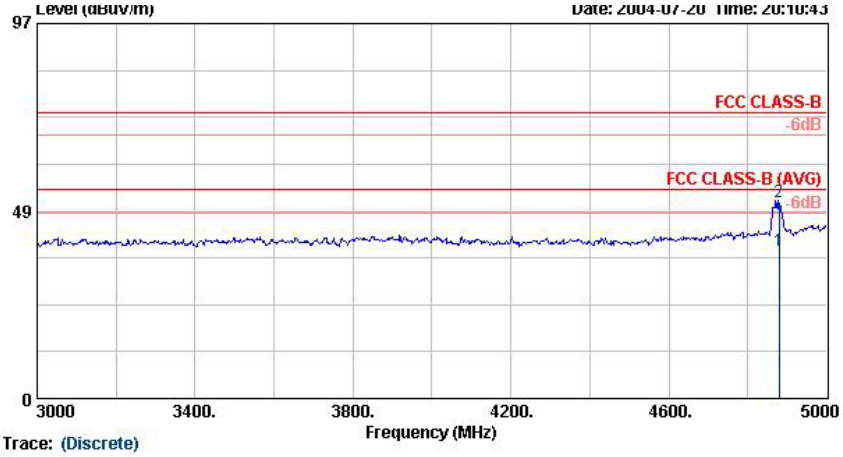
| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 359.200 | 26.43 | -19.57 | 46.00 | 35.46 | 15.23 | 3.34 | 27.60 | Peak | --- | --- |
| 2 | 426.400 | 27.41 | -18.59 | 46.00 | 35.66 | 16.18 | 3.60 | 28.03 | Peak | --- | --- |
| 3 | 957.600 | 34.86 | -11.14 | 46.00 | 35.55 | 21.90 | 5.65 | 28.24 | Peak | --- | --- |




Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP - 5110
Memo : 802.11b TX CH06 2437MHz

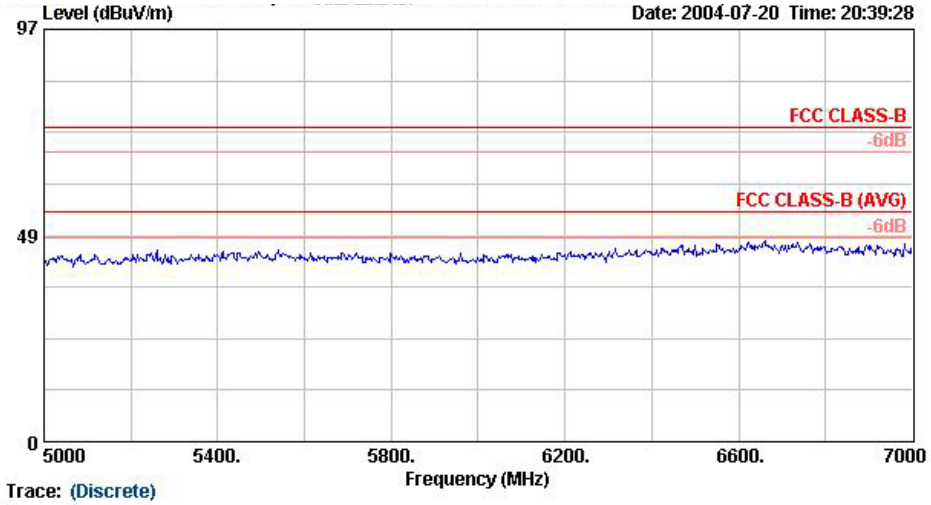
| | Freq | Level | Over Limit | Limit Line | Antenna Factor | Preamp Factor | Cable Loss | Remark | Ant Pos | Table Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dB/m | dB | dB | | cm | deg |
| 1 | 2390.00 | 55.71 | -18.29 | 74.00 | 28.40 | 44.34 | 3.33 | Peak | --- | --- |
| 2 | 2390.00 | 44.15 | -9.85 | 54.00 | 28.40 | 44.34 | 3.33 | Average | --- | --- |
| 3 X | 2437.00 | 100.21 | | | 28.45 | 44.32 | 3.37 | Peak | --- | --- |
| 4 @ | 2437.00 | 91.15 | | | 28.45 | 44.32 | 3.37 | Average | --- | --- |
| 5 | 2483.50 | 43.48 | -10.52 | 54.00 | 28.48 | 44.31 | 3.40 | Average | --- | --- |
| 6 | 2483.50 | 55.12 | -18.88 | 74.00 | 28.48 | 44.31 | 3.40 | Peak | --- | --- |

Remark: The “X” represent a fundamental frequency.

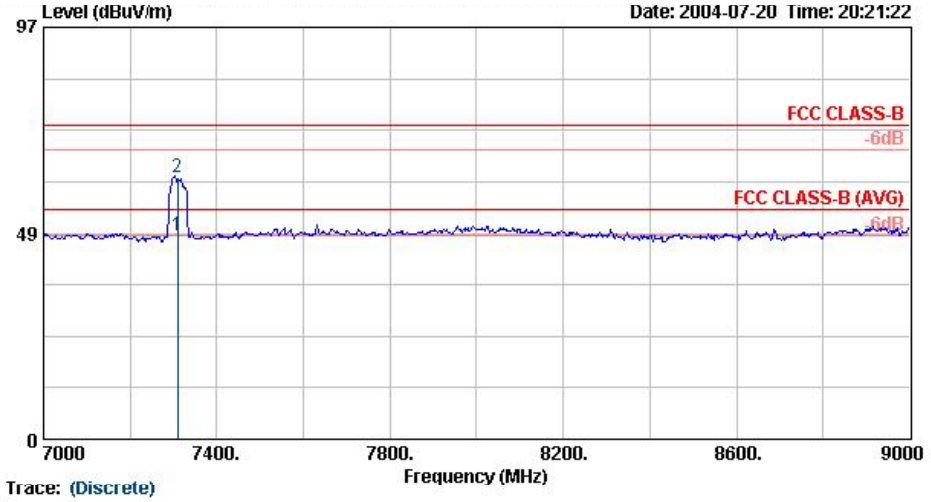



Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP - 5110
Memo : 802.11b TX CH06 2437MHz

| | Freq | Level | Over Limit | Limit Line | Antenna Factor | Preamp Factor | Cable Loss | Remark | Ant Pos | Table Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dB/m | dB | dB | | cm | deg |
| 1 | 4879.00 | 38.05 | -15.95 | 54.00 | 32.70 | 45.60 | 4.80 | Average | 0 | 0 |
| 2 | 4879.00 | 50.92 | -23.08 | 74.00 | 32.70 | 45.60 | 4.80 | Peak | 0 | 0 |

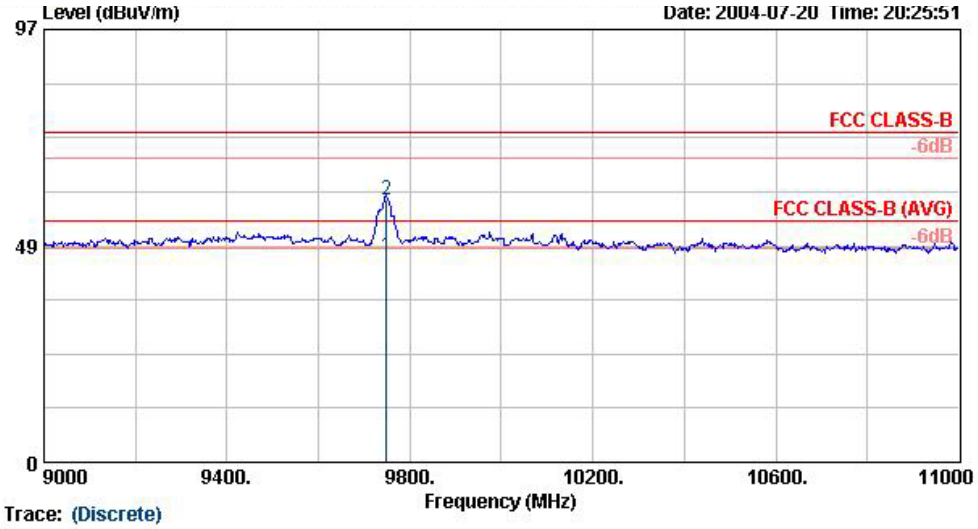



Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP - 5110
Memo : 802.11b TX CH06 2437MHz



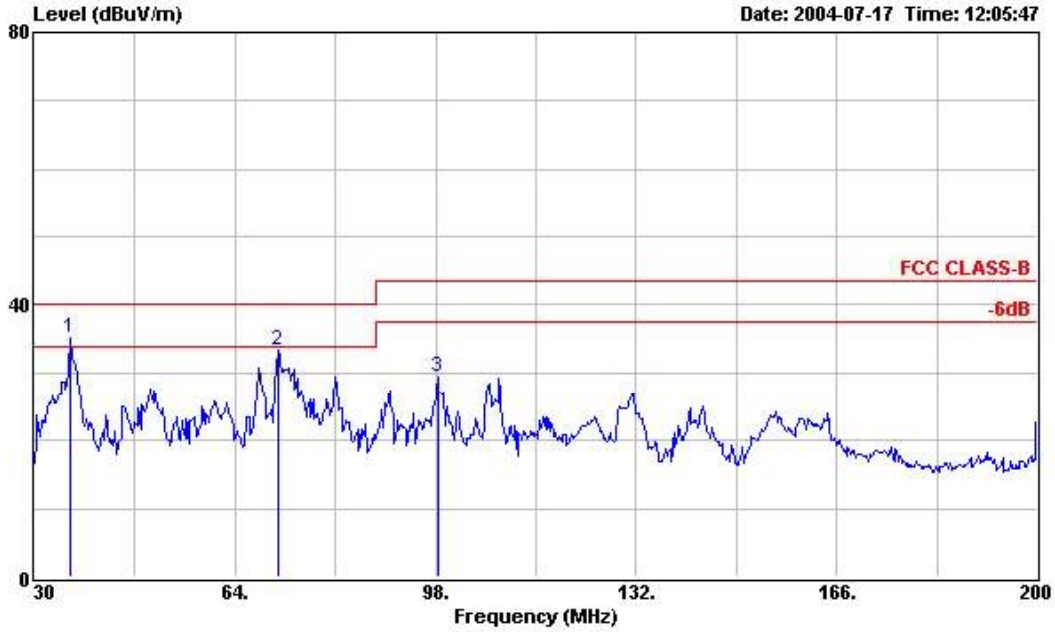

Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP - 5110
Memo : 802.11b TX CH06 2437MHz

| | Freq | Level | Over Limit | Limit Line | Antenna Factor | Preamp Factor | Cable Loss | Remark | Ant Pos | Table Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dB/m | dB | dB | | cm | deg |
| 1 | 7310.00 | 47.93 | -6.07 | 54.00 | 35.51 | 46.24 | 6.20 | Average | 0 | 0 |
| 2 | 7310.00 | 61.59 | -12.41 | 74.00 | 35.51 | 46.24 | 6.20 | Peak | 0 | 0 |



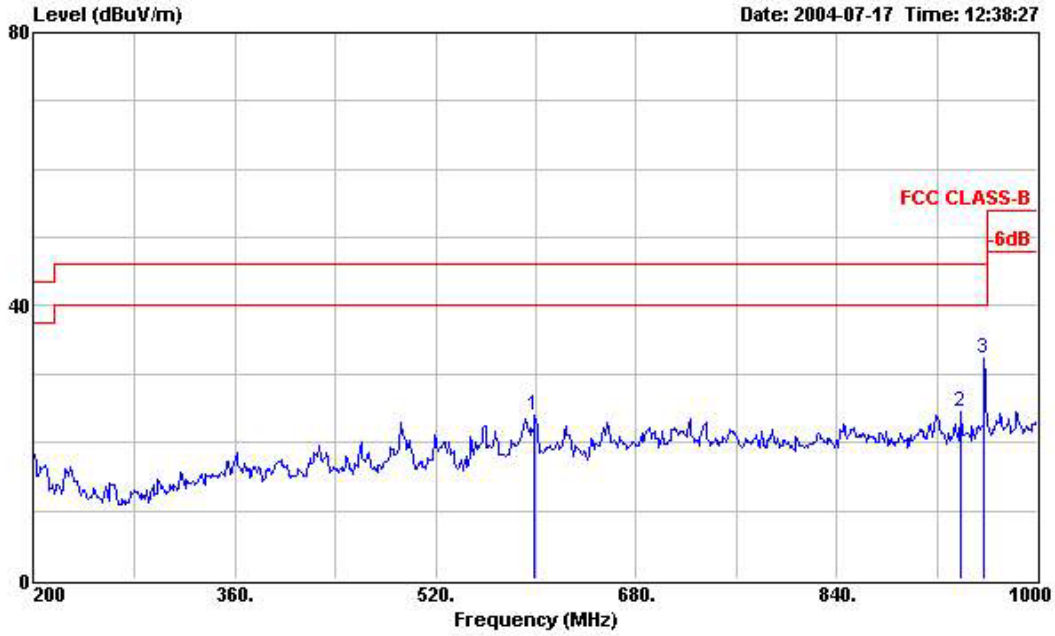

Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP - 5110
Memo : 802.11b TX CH06 2437MHz

| | Freq | Level | Over Limit | Limit Line | Antenna Factor | Preamp Factor | Cable Loss | Remark | Ant Pos | Table Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dB/m | dB | dB | | cm | deg |
| 1 | 9748.00 | 46.20 | -7.80 | 54.00 | 38.26 | 44.45 | 7.91 | Average | 0 | 0 |
| 2 | 9748.00 | 58.86 | -15.14 | 74.00 | 38.26 | 44.45 | 7.91 | Peak | 0 | 0 |



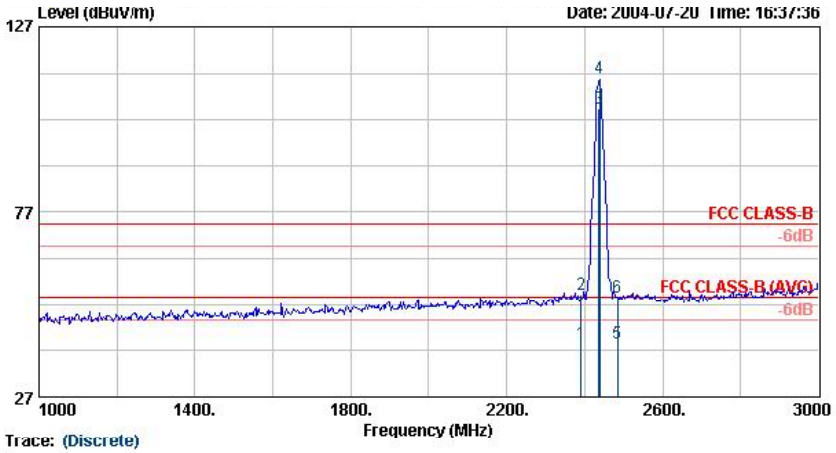

Site : 03CH03-HY
Condition : FCC CLASS-B 3m BIC-9124--301 VERTICAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP-5110
Memo : 11b TX CH06 2437MHz
: WS2000

| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 ! | 35.950 | 35.05 | -4.95 | 40.00 | 49.32 | 12.73 | 1.03 | 28.03 | Peak | 105 | 313 |
| 2 | 71.310 | 33.23 | -6.77 | 40.00 | 50.81 | 8.96 | 1.42 | 27.96 | Peak | --- | --- |
| 3 | 98.340 | 29.34 | -14.16 | 43.50 | 45.84 | 9.65 | 1.75 | 27.90 | Peak | --- | --- |




Site : 03CH03-HY
Condition : FCC CLASS-B 3m LOG-9111-221 VERTICAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP-5110
Memo : 11b TX CH06 2437MHz
: WS2000

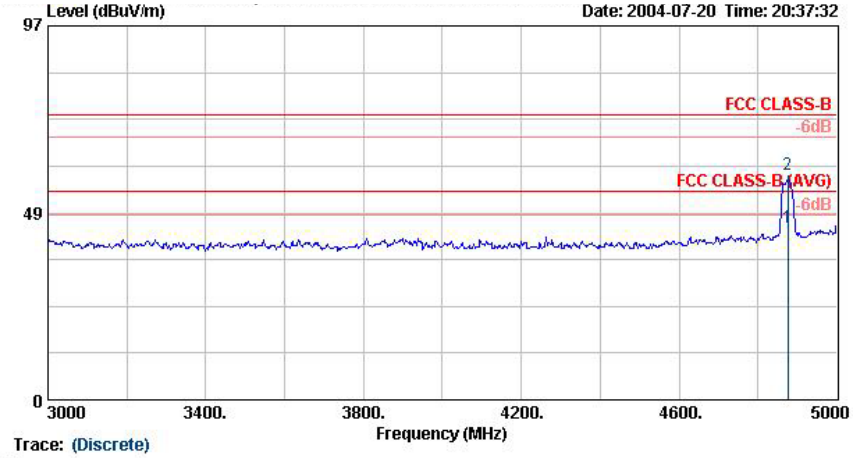
| | Freq | Level | Over Limit | Limit Line | Read Level | Probe Factor | Cable Loss | Preamp Factor | Remark | Ant Pos | Table Pos |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dBuV | dB | dB | dB | | cm | deg |
| 1 | 599.200 | 23.91 | -22.09 | 46.00 | 29.36 | 18.98 | 4.37 | 28.80 | Peak | --- | --- |
| 2 | 938.400 | 24.38 | -21.62 | 46.00 | 25.53 | 21.66 | 5.45 | 28.26 | Peak | --- | --- |
| 3 | 957.600 | 32.39 | -13.61 | 46.00 | 33.08 | 21.90 | 5.65 | 28.24 | Peak | --- | --- |




Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP - 5110
Memo : 802.11b TX CH06 2437MHz

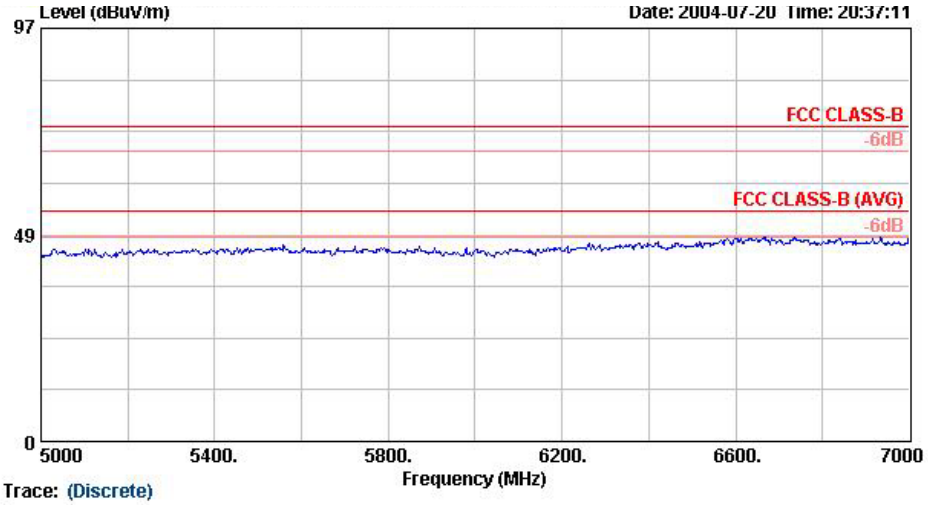
| | Freq | Level | Over Limit | Limit Line | Antenna Factor | Preamp Factor | Cable Loss | Remark | Ant Pos | Table Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dB/m | dB | dB | | cm | deg |
| 1 | 2390.00 | 41.33 | -12.67 | 54.00 | 28.40 | 44.34 | 3.33 | Average | --- | --- |
| 2 | 2390.00 | 54.85 | -19.15 | 74.00 | 28.40 | 44.34 | 3.33 | Peak | --- | --- |
| 3 @ | 2437.00 | 104.92 | | | 28.45 | 44.32 | 3.37 | Average | --- | --- |
| 4 @ | 2438.00 | 113.11 | | | 28.45 | 44.32 | 3.37 | Peak | --- | --- |
| 5 | 2483.50 | 41.61 | -12.39 | 54.00 | 28.48 | 44.31 | 3.40 | Average | --- | --- |
| 6 | 2483.50 | 54.11 | -19.89 | 74.00 | 28.48 | 44.31 | 3.40 | Peak | --- | --- |

Remark: The “X” represent a fundamental frequency.



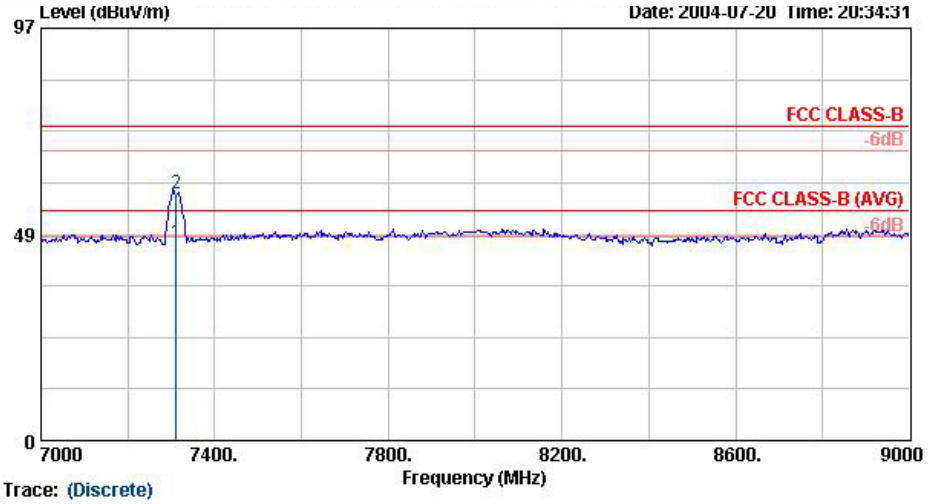

Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP - 5110
Memo : 802.11b TX CH06 2437MHz

| | Freq | Level | Over Limit | Limit Line | Antenna Factor | Preamp Factor | Cable Loss | Remark | Ant Pos | Table Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dB/m | dB | dB | | cm | deg |
| 1 | 4875.00 | 44.88 | -9.12 | 54.00 | 32.70 | 45.60 | 4.80 | Average | 0 | 0 |
| 2 | 4875.00 | 58.53 | -15.47 | 74.00 | 32.70 | 45.60 | 4.80 | Peak | 0 | 0 |




Trace: (Discrete)

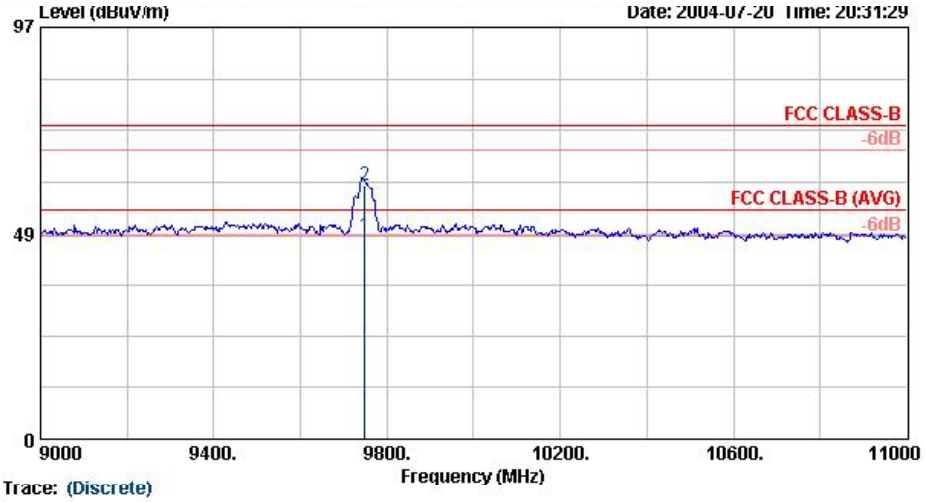
Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP - 5110
Memo : 802.11b TX CH06 2437MHz




Trace: (Discrete)

Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP - 5110
Memo : 802.11b TX CH06 2437MHz

| | Freq | Level | Over Limit | Limit Line | Antenna Factor | Preamp Factor | Cable Loss | Remark | Ant Pos | Table Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dB/m | dB | dB | | cm | deg |
| 1 | 7312.00 | 46.57 | -7.43 | 54.00 | 35.51 | 46.24 | 6.20 | Average | 0 | 0 |
| 2 | 7312.00 | 58.17 | -15.83 | 74.00 | 35.51 | 46.24 | 6.20 | Peak | 0 | 0 |




Trace: (Discrete)

Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP - 5110
Memo : 802.11b TX CH06 2437MHz

| | Freq | Level | Over Limit | Limit Line | Antenna Factor | Preamp Factor | Cable Loss | Remark | Ant Pos | Table Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dBuV/m | dB | dBuV/m | dB/m | dB | dB | | cm | deg |
| 1 | 9748.00 | 47.93 | -6.07 | 54.00 | 38.26 | 44.45 | 7.91 | Average | 0 | 0 |
| 2 | 9748.00 | 59.89 | -14.11 | 74.00 | 38.26 | 44.45 | 7.91 | Peak | 0 | 0 |

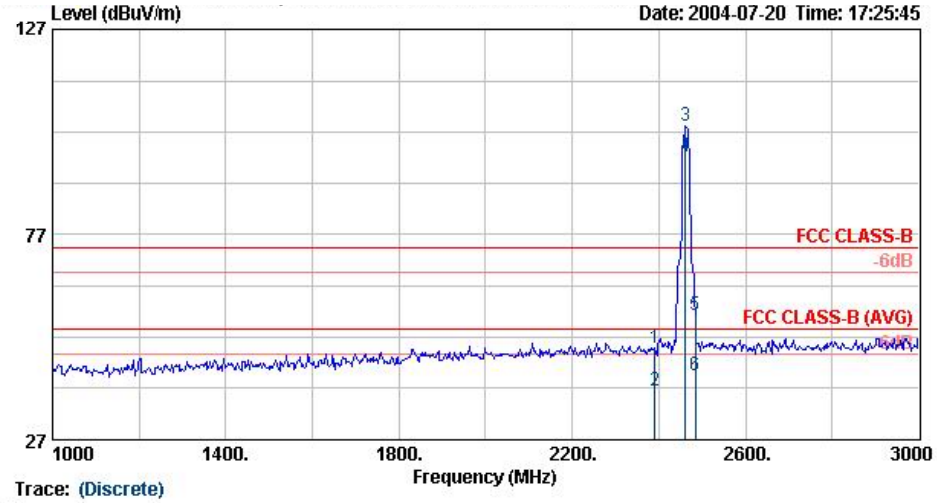
Remark:

Frequency from 11GHz to 25GHz, the emission emitted by the EUT is too low to be measured.

Test Mode: 802.11b TX CH11

- Test Distance : 3 m
- Temperature : 25.3 °C
- Relative Humidity :53.5 %
- Emission level (dBuV/m) = 20 log Emission level (uV/m)
- Corrected Reading : Probe Factor + Cable Loss + Read Level - Preamp Factor = Level

**■ The test that passed at minimum margin was marked by the frame in the following table.**




Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL
EUT : 802.11a/b/g Access Point
Power : AC 120V / 60Hz
Model : WASP - 5110
Memo : 802.11b TX CH11 2462MHz

| | Freq | Over Limit | Level | Limit Line | Antenna Factor | Preamp Factor | Cable Loss | Remark | Ant Pos | Table Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | MHz | dB | dBuV/m | dBuV/m | dB/m | dB | dB | | cm | deg |
| 1 | 2390.00 | -24.53 | 49.47 | 74.00 | 28.40 | 44.34 | 3.33 | Peak | --- | --- |
| 2 | 2390.00 | -15.11 | 38.89 | 54.00 | 28.40 | 44.34 | 3.33 | Average | --- | --- |
| 3 X | 2462.00 | | 103.60 | | 28.47 | 44.32 | 3.38 | Peak | --- | --- |
| 4 @ | 2462.00 | | 95.98 | | 28.47 | 44.32 | 3.36 | Average | --- | --- |
| 5 | 2483.50 | -16.45 | 57.55 | 74.00 | 28.48 | 44.31 | 3.40 | Peak | --- | --- |
| 6 | 2483.50 | -11.28 | 42.72 | 54.00 | 28.48 | 44.31 | 3.40 | Average | --- | --- |

Remark: The “X” represent a fundamental frequency.