

Site : 03CH06

FCC CLASS-B 3m HF-HORN AH-118 VERTICAL Condition :

802.11a/b/g Access Point AC 120V / 60Hz EUT Power Model WASP5100

802.11g TX CH11 2462M Memo

Memo :	802.11g TX CH11 2462M Wide Angle Coverage Dire		2dBi							
	Freq	Level	Over Limit		Antenna Factor		Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB			deg
1 @ 2 @ 3 @ 4 @ 5 @	2390.00 2390.00 2462.00 2462.00 2483.50		-15.08 -21.94 -6.10		28. 40 28. 40 28. 47 28. 47 28. 48	44.34 44.32 44.32 44.32	3, 33 3, 38 3, 38	Average Peak Peak Average Peak	0 0 0	0 0 0
60	2483.50	52.33	-1.67	54.00	28. 48	44.31		Average	Ŏ	Ŏ

Remark: The "X" represent a fundamental frequency.

Frequency from 3GHz to 25GHz, the emission emitted by the EUT is too low to be measured.

: H9PWSAP5100 FCC ID : 183 of 50 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004

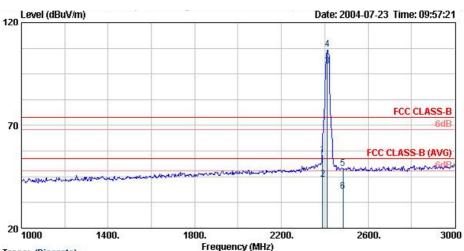
7.4.3 Antenna 3

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.



Trace: (Discrete)

: 03CH06

Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL

802.11a/b/g Access Point AC 120v / 60Hz EUT Power Model : WASP5100

Site

Memo : 802.11b TX CH01 2412MHz

: Dipole Antenna , Gain:2dBi

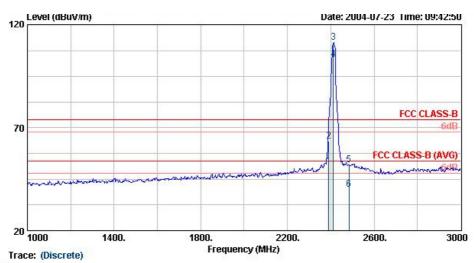
	Freq	Level	Over Limit			Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBu∜/m	dB	dBu∛/m	dB/m	dB	dB		cm	deg
1 @ 2 @ 3 @ X 4 @ X	2390.00 2390.00 2412.00 2412.00	43.72 98.84 106.88		54.00	28. 40 28. 40 28. 41 28. 41	44.34 44.34	3.35 3.35	Average Average Peak	100 100 100 100	117 117 117 117
4 @X 5 @ 6 @	$2483.50 \\ 2483.50$		-25. 15 -16. 28	74.00 54.00	28. 48 28. 48		3.40 3.40	Peak Average	100	117

Remark:

The "X" represent a fundamental frequency.

SPORTON International Inc.

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 184 of 50 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004



: 03CH06 Site

FCC CLASS-B 3m HF-HORN AH-118 VERTICAL Condition :

EUT 802.11a/b/g Access Point Power AC 120v/60Hz Model WASP5100

: 802.11b TX CH01 2412MHz Memo

: Dipole Antenna , Gain:2dBi

	Freq	Level	Over Limit			Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos	
_	MHz	dBu∛/m	dB	dBuV/m	dB/m	dB	dB		cm	deg	
1 @	2390.00	51.40	-2.60	54.00	28.40	44.34	3.33	Average	100	82	\Box
2 @ 3 @ X	2390.00	63.56	-10.44	74.00	28.40	44.34	3.33	Peak	222		
3 @ X	2412.00	111.38			28.41	44.34	3.35	Peak			
4 @ X	2412.00	103.38			28.41	44.34	3.35	Average	100	81	
5 @	2483.50	51.99	-22.01	74.00	28.48	44.31	3.40	Peak			
4 @X 5 @ 6 @	2483.50	40.12	-13.88	54.00	28.48	44.31	3.40	Average	100	82	

Remark: The "X" represent a fundamental frequency.

Frequency from 3GHz to 25GHz, the emission emitted by the EUT is too low to be measured.

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 185 of 50 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004

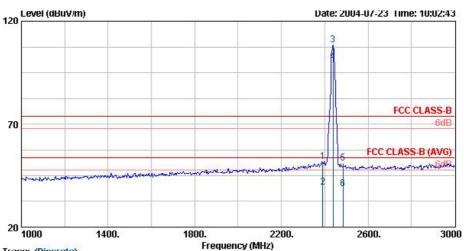
Test Mode: 802.11b TX CH06

 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.



Trace: (Discrete)

: 03CH06 Site

Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL

EUT 802.11a/b/g Access Point Power AC 120v/60Hz Model WASP5100

: 802.11b TX CH06 2437MHz Memo

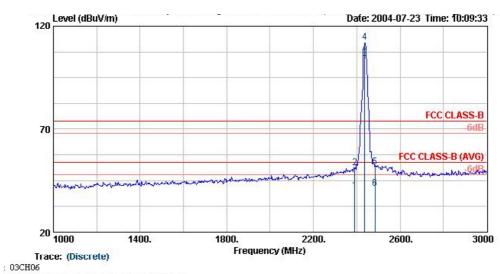
: Dipole Antenna , Gain:2dBi

Free	Level	Over Limit			Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
MHa	dBuV/m	dB	dBu∛/m	dB/m	dB	dB		сп	deg
1 @ 2390.00 2 @ 2390.00 3 @ × 2438.00 4 @ × 2438.00 5 @ 2483.50 6 @ 2483.50	39.51 108.47 100.37 51.05	-21.88 -14.49 -22.95 -15.53	54.00 74.00	28. 40 28. 45 28. 45 28. 45 28. 48 28. 48	44.32 44.31	3. 37 3. 37 3. 40	Average Peak Average	0 0 0 0 0	0 0 0 0 0

Remark: The "X" represent a fundamental frequency.

SPORTON International Inc.

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 186 of 50 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004



Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL

802.11a/b/g Access Point AC 120v / 60Hz EUT Power Model WASP5100

802.11b TX CH06 2437MHz Memo

: Dipole Antenna , Gain:2dBi

	Freq	Level	Over Limit	Limit/ Line		Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBu∜/m	dB	dBu∛/m	dB/m	dB	dB		сп	deg
l @	2390.00		-13.98		28.40	44.34	3.33	Average	0	0
2 @ 3 @ X	2390.00 2437.00	104.27	-22.62	74.00	28. 40 28. 45	44.34 44.32	3.37	Peak Average	0	0
4 @ X 5 @	$2437.00 \\ 2483.50$		-22. 38	74.00	28. 45 28. 48	$\frac{44.32}{44.31}$		Peak Peak	0	0
6 @	2483, 50	41.11	-12.89	54.00	28, 48	44.31	3, 40	Average	0	0

Remark: The "X" represent a fundamental frequency.

Frequency from 3GHz to 25GHz, the emission emitted by the EUT is too low to be measured.

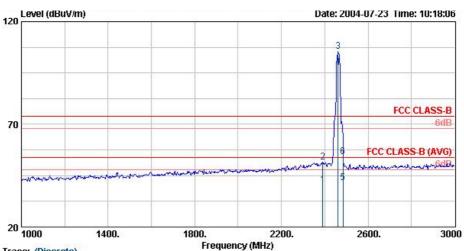
: H9PWSAP5100 FCC ID : 187 of 50 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004

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.



Trace: (Discrete) : 03CH06

Site Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL

EUT 802.11a/b/g Access Point Power AC 120v/60Hz Model

: WASP5100 : 802.11b TX CH11 2462MHz Memo

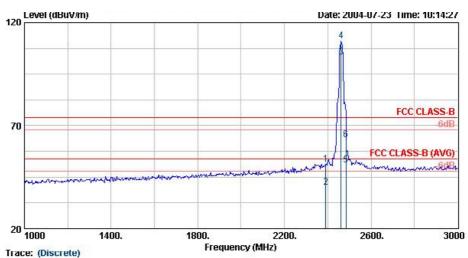
: Dipole Antenna , Gain:2dBi

	Freq	Level	Over Limit		Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBu∛/m	dB	dBu∛/m	dB/m	dB	dB		cn	deg
1 @ 2 @ 3 @ X	2390.00 2390.00 2462.00		-13.60 -22.51	54.00 74.00	28. 40 28. 40 28. 47	44.34 44.34 44.32	3.33	Average Peak Peak	0 	0
4 @ X 5 @ 6 @	2462.00 2483.50 2483.50	97.70 41.46	-12.54 -19.64	54.00 74.00	28. 47 28. 48 28. 48	44. 32 44. 31 44. 31	3.38 3.40	Average Average Peak	0 100 100	0 149 149

Remark: The "X" represent a fundamental frequency.

SPORTON International Inc.

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 188 of 79 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004



Site : 03CH06

Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL

802.11a/b/g Access Point AC 120v / 60Hz EUT Power ModelWASP5100

: 802.11b TX CH11 2462MHz Memo

: Dipole Antenna , Gain:2dBi

	Freq	Level	Over Limit			Preamp Factor		Remark	Ant Pos	Table Pos
	MHz	dBu∜/m	dB	dBu∛/m	dB/m	dB	dB			deg
1 @ 2 @ 3 @ X		40.15 103.18	-22. 72 -13. 85		28.47	44.34 44.32	3.38	Average Average	 0 0	 0 0
4 @ X 5 @	2462,00 2483,50	111.03 51.03	-2.97	54.00	28. 47 28. 48	44.32 44.31	3, 38 3, 40	<u>Peak</u> Average	0 100	258
6.00	2483, 50		-10.99	74.00	28, 48	44, 31	3, 40		Û	0

Remark:

The "X" represent a fundamental frequency.

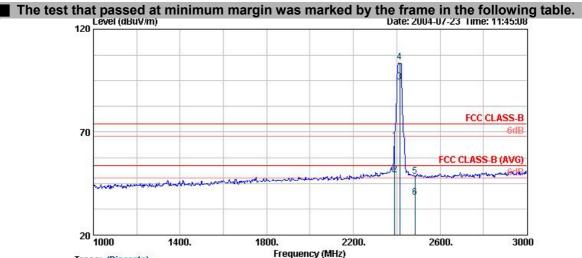
Frequency from 3GHz to 25GHz, the emission emitted by the EUT is too low to be measured.

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 189 of 79 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004

Test Mode: 802.11g 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



Trace: (Discrete)

03CH06 Site

Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL

802.11a/b/g Access Point AC 120v / 60Hz EUT Power WASP5100 Model

Memo 802.11g TX CH01 2412MHz Dipole Antenna, Gain:2dBi

	Freq	Level	Limit		Factor	Factor	Loss	Remark	Pos	Pos
	MHz	$\overline{\text{dBuV/m}}$	——dB	dBuV/m	dB/m	dB	dB		сп	deg
1 @ 2 @ 3 @ X	2390.00 2390.00	65.78 49.48	-8. 22	74.00 54.00	28. 40 28. 40	44.34 44.34		Peak Average	222	222
3 @ X 4 @ X	2414.00 2414.00	94.37	-4.32	34.00	28.41	44.34 44.34	3.35	Average Peak	104	151
4 W ^ 5 @ 6 @	2483.50	48.59	-25.41	74.00	28. 41 28. 48	44.31	3.40	Peak		
5 @	2483.50	38.12	-15.88	54.00	28.48	44.31	3.40	Average	3.0	0.00

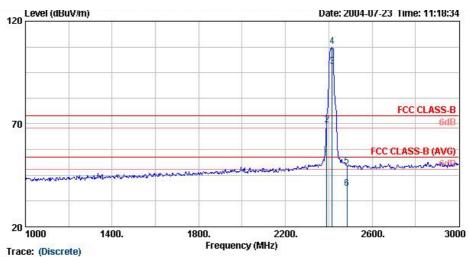
Over LimitAntenna Preamo Cable

Ant Table

Remark: The "X" represent a fundamental frequency.

SPORTON International Inc.

: H9PWSAP5100 FCC ID : 190 of 79 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004



: 03CH06

Site

Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL

EUT Power Model

: 802.11ab/g Access Point : AC 120v / 60Hz : WASPS100 : 802.11g TX CH01 2412MHz : Dipole Antenna, Gain:2dBi Memo

Savēni Ince	Freq	Level	Over Limit			Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBu∛/m	dB/m	dB	dB		cm	deg
1 @	2390.00	52. 75	-1.25	54.00	28.40	44.34	3.33	Average	162	194
2 @ 3 @x	2390.00	69.54	-4.46	74.00	28.40	44.34	3.33	Peak		
3 @X	2414.68	98.22			28.41	44.34	3.35	Average	156	231
4 @ X	2414.68	107.61			28.41	44.34		Peak		20020
5 @ ^	2483.50	49.37	-24.63	74.00	28.48	44.31	3.40	Peak		
6 @	2483.50		-15.55		28.48	44.31		Average		

Remark: The "X" represent a fundamental frequency.

Frequency from 3GHz to 25GHz, the emission emitted by the EUT is too low to be measured.

: H9PWSAP5100 FCC ID : 191 of 79 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004

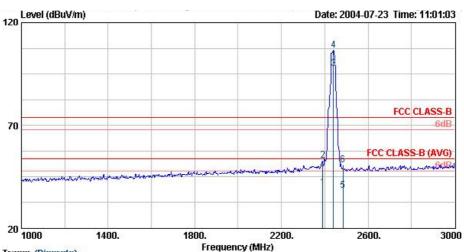
Test Mode: 802.11g TX CH06

 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.



Trace: (Discrete)

: 03CH06 Site

Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL

802.11a/b/g Access Point AC 120v / 60Hz EUT Power Model WASP5100

802.11g TX CH06 2437MHz Memo

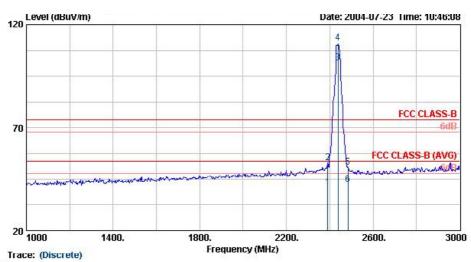
Dipole Antenna , Gain:2dBi

	Freq	Level	Over Limit		Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
_	MHz	dBu∛/m	dB	dBuV/m	dB/m	——dB	dB		сп	deg
2 @ 3 @ X 4 @ X 5 @	2390.00 2390.00 2439.75 2439.75 2483.50 2483.50	53. 08 97. 53 106. 79 38. 23	-14.30 -20.92 -15.77 -23.21	54.00 74.00 54.00 74.00	28. 40 28. 45 28. 45 28. 45 28. 48 28. 48	44. 34 44. 32 44. 32 44. 31 44. 31	3. 33 3. 37 3. 37 3. 40	Average Peak Average Peak Average Peak	0 0 0 0 0	0 0 0 0

Remark: The "X" represent a fundamental frequency.

SPORTON International Inc.

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 192 of 79 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004



Site : 03CH06

FCC CLASS-B 3m HF-HORN AH-118 VERTICAL Condition :

802.11a/b/g Access Point AC 120v / 60Hz EUT Power Model WASP5100

802.11g TX CH06 2437MHz Memo

: Dipole Antenna , Gain:2dBi

: Dipole Ant	enna , Gain:2db	01	0ver	Limita	Antenna	Preamp	Cable		Ant	Table
	Freq	Level	Limit			Factor		Remark	Pos	Pos
-	MHz	dBu∛/m	dB	dBu∛/m	dB/m	dB	——dB			deg
1 @ 2 @	2390.00 2390.00		-13.11 -21.09	54.00 74.00	28. 40 28. 40	44.34 44.34	$\frac{3}{3}, \frac{33}{33}$	Average Peak	100	27
3 @ X 4 @ X	2438.00 2438.00	101.30	211.00		28. 45 28. 45	44. 32 44. 32		Average	100 100	27 27
5 @ 6 @	2483.50 2483.50	50.78 42.42	-23.22 -11.58	74.00 54.00	28. 48 28. 48	44.31 44.31	3.40		100	27

Remark: The "X" represent a fundamental frequency.

Frequency from 3GHz to 25GHz, the emission emitted by the EUT is too low to be measured.

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 193 of 79 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004

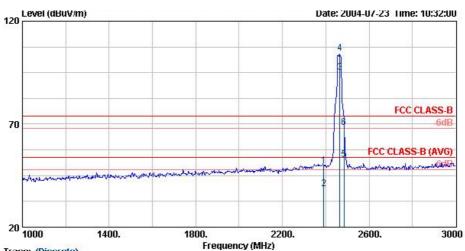
Test Mode: 802.11g TX CH11

 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.



Trace: (Discrete)

: 03CH06 Site

Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL

EUT 802.11a/b/g Access Point Power AC 120v/60Hz Model : WASP5100

802.11g TX CH11 2462MHz Memo

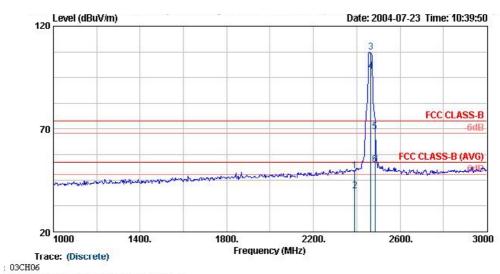
: Dipole Antenna , Gain:2dBi

	: Dipole Antenna, Gain:2df Freq	Level	Over Limit		Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB			deg
1 @ 2 @ 3 @ 4 @ 5 @	2390. 00 2390. 00 2464. 00 2464. 00 2483. 50 2483. 50		-24. 31 -15. 55 -1. 32 -5. 78	74.00 54.00 54.00 74.00	28. 40 28. 40 28. 47 28. 47 28. 48 28. 48	44. 34 44. 32 44. 32 44. 31 44. 31	3. 33 3. 38 3. 38 3. 40	Peak Average Average Peak Average Peak	 0 0 0 0	 0 0 0 0

Remark: The "X" represent a fundamental frequency.

SPORTON International Inc.

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 194 of 50 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004



Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL

802.11a/b/g Access Point AC 120v / 60Hz EUT Power ModelWASP5100

802.11g TX CH11 2462MHz Memo

: Dipole Antenna , Gain:2dBi

	Freq	Level	Over Limit		Antenna Factor	Preamp Factor	Cable Loss Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	<u>dB</u>	сп	deg
1 @ 2 @	2390.00 2390.00		-24.12 -14.17		28. 40 28. 40	44.34 44.34	3.33 Peak 3.33 Average		
3 @X 4 @X		107. 37 97. 94	11.11	J1.00	28. 47 28. 47	44. 32 44. 32	3.38 Peak 3.38 Average	Ö	Ŏ
5 @ 6 @	2483.50 2483.50	68. 67 52. 75	-5.33 -1.25	74.00 54.00	28. 48 28. 48	44.31 44.31	3.40 Peak 3.40 Average	<u>0</u> 110	0 84

Remark: The "X" represent a fundamental frequency.

Frequency from 3GHz to 25GHz, the emission emitted by the EUT is too low to be measured.

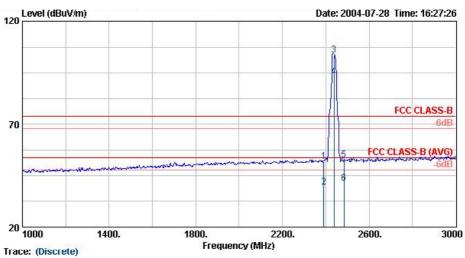
: H9PWSAP5100 FCC ID : 195 of 50 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004

Test Mode: 802.11a Tx 5260MHz+802.11g 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.



03CH06 Site

Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL

EUT 802.11a/b/g Access Point AC 120V / 60Hz Power Model

 $11a_TX 5260MHz + 11gTX CH06 2437MHz$

ni Directional : 2dBi + Dirole : 2dBi

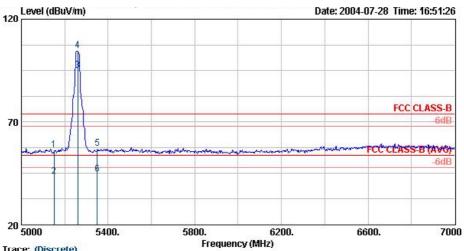
	. Ollan Directional . Edit .	Dipole . Lui									
	Freq	Over Limit	Level			Preamp Factor		Remark	Ant Pos	Table Pos	
	MHz	dB	dBuV/m	dBuV/m	dB/m	dB	dB		cm	deg	
_1	2390.00	-21.95	52.05	74.00	28.40	44.34	3, 32	Peak			_
2	2390.00	-14.76	39.24	54.00	28.40	44.34		Average]
3 X	2438.00		103.58		28.45	44.32	3.34	Peak			-
4 @	2438.00		93.11		28.45	44.32	3.34	Average		-	
5	2483.50	-21.47	52.53	74.00	28.48	44.31	3.38	Peak _			
6	2483.50	-12.72	41.28	54.00	28.48	44.31	3.38	Average			

Remark: The "X" represent a fundamental frequency.

Frequency from 3GHz to 5GHz, the emission emitted by the EUT is too low to be measured.

SPORTON International Inc.

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 196 of 50 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004



Trace: (Discrete): 03CH06

Site

Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL

EUT Power

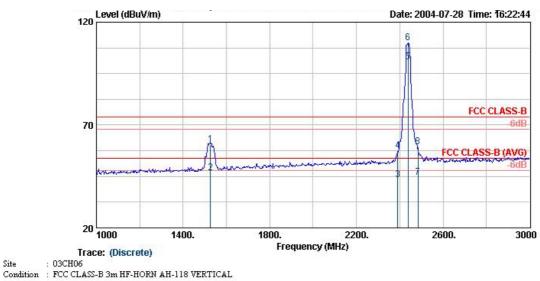
: 802.11a/b/g Access Point : AC 120V / 60Hz : WASP5100 : 11a_TX 5260MHz + 11g TX CH06 2437MHz : Onui Directional : 2dBi + Dipole : 2dBi ModelMemo

	Freq	Over Limit	Level			Preamp Factor		Remark	Ant Pos	Table Pos
	MHz	dB	dBuV/m	dBuV/m	dB/m	dB	dB		cm	deg
12300 400 500	5150.00 5150.00 5260.00 5260.00		56.34 43.50 95.24 104.64		33. 87 33. 87	45. 91 45. 91 46. 07 46. 07	5.08	Peak Average Average Peak	0 0 0 0	0 0 0 0
5 6 @	5350.00 5350.00	-16.84 -9.52		74.00 54.00	33.99 33.99	46.19 46.19	5.14 5.14	Peak Average	0	0

Remark:

Frequency from 7GHz to 25GHz, the emission emitted by the EUT is too low to be measured.

: H9PWSAP5100 FCC ID : 197 of 50 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004



802.11a/b/g Access Point AC 120V / 60Hz EUT Power Model

11a_TX 5260MHz + 11g TX CH06 2437MHz Memo

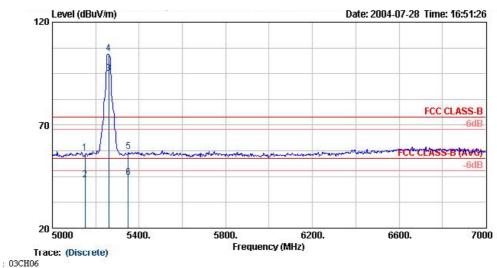
Omni Directional : 2dBi + Dipole : 2dBi

			5.57(2)							
	Freq	Over Limit				Preamp Factor		Remark	Ant Pos	Table Pos
	MHz	dB	dBuV/m	dBuV/m	dB/m	dB	dB		ст	deg
1	1525, 84	-13.41	60.59	74.00	25, 67	44.13	2, 65	Peak	2000	200
2	1525. 84	-7.19	46.81	54.00	25.67	44.13	2.65	Average		
3	2390.00				28.40	44.34		Average		
4	2390.00	-16.40	57.60	74.00	28.40	44.34		Peak	===	
5 @ 6 X	2438.00		100.85		28.45	44.32	3.37	Average		
5 @ 6 X	2438.00		110.10		28.45			Peak		
7	2483.50	-9.54	44.46	54.00	28.48		3.40	Average		
8	2483.50				28.48			Peak		(8)(8)(8)

Remark: The "X" represent a fundamental frequency.

Frequency from 3GHz to 5GHz, the emission emitted by the EUT is too low to be measured.

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Site

Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL

EUT 802.11a/b/g Access Point AC 120V/60Hz WASP5100 Power Model

: 11a_TX 5260MHz + 11g TX CH06 2437MHz : Omni Directional : 2dBi + Dipole : 2dBi Memo

OHILL Diechonal . Edbi .	Dipole . Eu	74							
Freq	Over Limit	Level			Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
MHz	dB	dBu∛/m	dBuV/m	dB/m	dB	dB		cn	deg
5150.00	-17.66	56.34	74.00	33.71	45.91	5.00	Peak	0	0
5150.00	-10.50	43.50	54.00	33.71	45.91	5.00	Average	0	0
5260.00		95.24		33.87	46.07	5.08	Average	0	0
5260.00		104.64		33.87	46.07		Peak	0	0
5350.00	-16.84	57.16	74.00	33.99	46.19		Peak	Û	Û
5350.00				33, 99			Average	Ŏ	Ŏ

Remark:

Frequency from 7GHz to 25GHz, the emission emitted by the EUT is too low to be measured.

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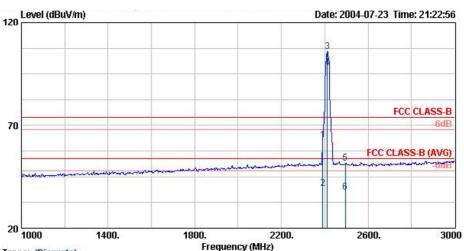
7.4.4 Antenna 4

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.



Trace: (Discrete)

: 03CH06 Site

Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL

EUT 802.11a/b/g Access Point AC 120V / 60Hz Power Model WASP5100

Memo 802.11b TX CH01 2412MHz

Omini Directional Antenna, Gain:4.6dBi

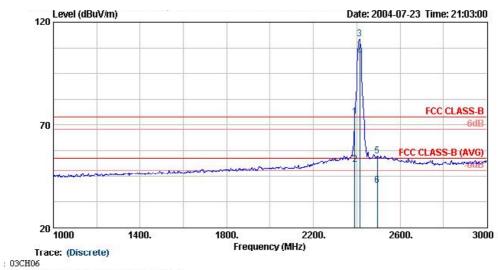
	Freq		0ver			Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBu∛/m	dB	dBu∛/m	dB/m	dB	dB		cm	deg
1 2 3 @ X 4 @ X 5	2390.00 2390.00 2412.00 2412.00 2494.00 2494.00	39.19 105.89 97.94 51.63	-11.37 -14.81 -22.37 -16.68	74.00 54.00 74.00 54.00	28. 40 28. 40 28. 41 28. 41 28. 50 28. 50	44.34 44.34 44.34 44.34 44.30 44.30	3. 33 3. 35 3. 35 3. 39	Peak Average Peak Average Peak Average	100 100 100	21 21 21

Remark:

The "X" represent a fundamental frequency.

SPORTON International Inc.

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

ModelWASP5100 $802.11b \ TX \ CH01 \ 2412MHz$ Memo

Omini Directional Antenna Gain: 4 6dBi

· Olimir D	nectional America	a, oani. 4.00	0ver	Limit	Antenna	Preamp	Cable		Ant	Table	
	Freq	Level	Limit	Line			Loss	Remark	Pos	Pos	
	MHz	dBuV/m	dB	dBu∛/m	dB/m	dB	dB		ст	deg	
_1 X	2390.00	74.01			28.40	44.34	3, 33	Peak		222	
2 !	2390.00	50.87	-3.13	54.00	28.40	44.34	3.33	Average	100	0]
3 @ X	2414.00	111.87			28.41	44.34	3.35	Peak	50,50,50	===	_
4 @ X	2414.00	103.27			28.41	44.34	3.35	Average	100	0	
5	2494.00	55.06	-18.94	74.00	28.50	44.30		Peak	::::::::::::::::::::::::::::::::::::::		
6	2494 00		-13.50		28.50	44 30		Average	1.00	n	

Remark: The "X" represent a fundamental frequency.

Frequency from 3GHz to 25GHz, the emission emitted by the EUT is too low to be measured.

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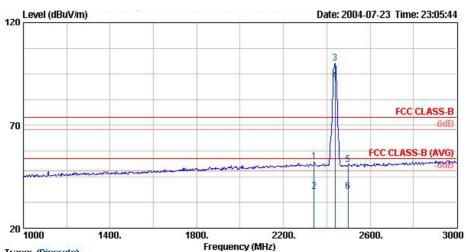
Test Mode: 802.11b TX CH06

 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.



Trace: (Discrete)

03CH06 Site

Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL

EUT 802.11a/b/g Access Point AC 120V / 60Hz Power Model WASP5100

802.11b TX CH06 2437MHz

Omini Directional Antenna , Gain:4.6dBi

	Freq	Level	Over Limit			Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBu∛/m	dB	dBuV/m	dB/m	dB	dB		cn	deg
1	2342.00	52, 49	-21.51	74.00	28.34	44.36	3, 29	Peak		2000
2	2342.00	37.82	-16.18		28.34	44.36	3.29	Average	100	5
3 X	2438.00	100.32			28.45	44.32	3.37	Peak	50.50.50	
4 @	2438.00	91.59			28.45	44.32	3.37	Average	100	5
5	2498.00	50.71	-23.29	74.00	28.50	44.30	3, 39	Peak		
6	2498.00		-16.15		28.50			Average	100	5

Remark: The "X" represent a fundamental frequency.

SPORTON International Inc.

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