

Trace: (Discrete)

: 03CH06

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

EUT : 802.11a/b/g Access Point : AC 120V / 60Hz : WASP - 5110 Power Model Memo : 802.11a TX 5785MHz

	Freq	Level	Over Limit			Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBu∜/m	dB	dBu∜/m	dB/m	dB	dB		сто	deg
1 @ 2 @	5150.00 5150.00	47. 48 60. 17	-6. 52 -13. 83	54.00 74.00	33. 71 33. 71	45. 91 45. 91	5.00 5.00	Average Peak		
3 @	5725.00	49.32	-4.68	54.00	33.89	46.62		Average		
4 @	5725.00	60.17	-13.83	74.00	33.89	46.62		Peak		
5 @ X	5780.00	114.46			33.81	46.68	5.44	Peak		
6 @ X	5780.00	104.71			33.81	46.68	5.44	Average		
7 @	5850.00	61.78	-12.22	74.00	33.72	46.74	5.49	Peak -		
8 @	5850.00	49.01	-4.99	54.00	33, 72	46.74	5.49	Average		

Remark: The "X" represent a fundamental frequency.

Frequency from 7GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

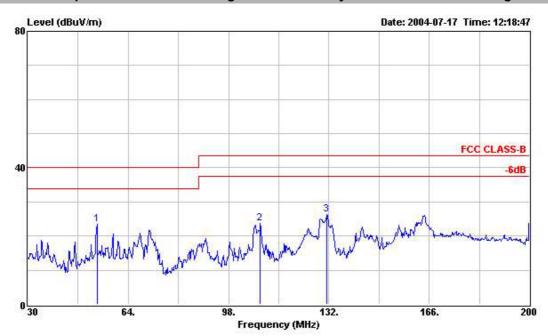
: H9PWSAP5100 FCC ID : 163 of 50 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004

Test Mode: 802.11a TX 5825MHz

 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

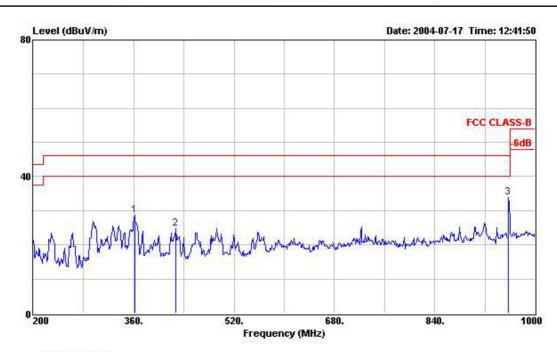
Power : AC 120V / 60Hz Model : WASP-5110 Memo : 11a TX 5825MHz

: WS2000

	Freq	Level	Over Limit			Probe Factor				Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	×	cm	deg
1	53.460	23.58	-16.42	40.00	40.17	10.16	1.24	27.99	Peak	122	3224
2	108.710	23.83	-19.67	43.50	39.50	10.35	1.86	27.88	Peak		
3	131.150	26.32	-17.18	43.50	40.66	11.42	2.08	27.84	Peak		

SPORTON International Inc.

: H9PWSAP5100 FCC ID Page No. : 164 of 50 TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004



: 03CH03-HY Site

Condition: FCC CLASS-B 3m LOG-9111-221 HORIZONTAL

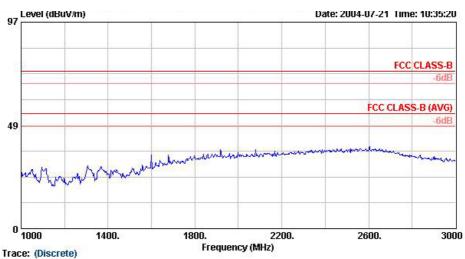
EUT : 802.11a/b/g Access Point

Power : AC 120V / 60Hz Model : WASP-5110 Memo : 11a TX 5825MHz

: WS2000

	Freq	Level	Over Limit			Probe Factor			Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	· · · · · · · · · · · · · · · · · · ·	CIV.	deg
1	361.600	28.58	-17.42	46.00	37.60	15.24	3.35	27.61	Peak	222	224
2	426.400	24.75	-21.25	46.00	33.00	16.18	3.60	28.03	Peak		0444
3	957.600	33.92	-12.08	46.00	34.61	21.90	5.65	28.24	Peak		

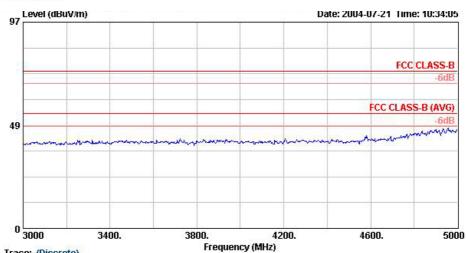
: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 165 of 50 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004



: 03CH06 Site

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

EUT 802.11a/b/g Access Point : AC 120V/60Hz : WASP - 5110 : 802.11a TX 5825MHz Power Model Memo



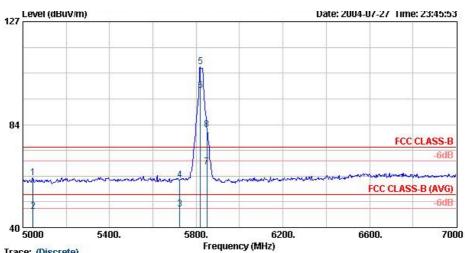
Trace: (Discrete)

Site : 03CH06

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

: 802.11a/b/g Access Point : AC 120V / 60Hz EUT Power Model : WASP - 5110 : 802.11a TX 5825MHz Memo

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 166 of 50 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004



Trace: (Discrete)

: 03CH06 Site

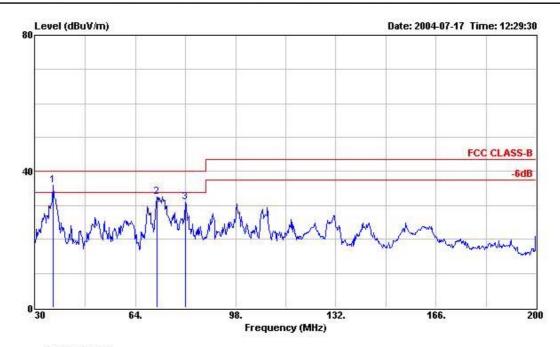
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL

: 802.11ab/g Access Point : AC 120V / 60Hz : WASP - 5110 : 802.11a TX 5825MHz EUT Power Model

	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		СТО	deg
1 @ 2 @	5046.00 5046.00	60. 89 46. 88	-13.11 -7.12	74.00 54.00	33. 57 33. 57	45. 77 45. 77		Peak Average		<u> </u>
3 @	5724.00	47.79	-6. 21	54.00	33.89	46.62		Average		
4 @	5724.00	59.98	-14.02	74.00	33.89	46.62	5.40	Peak		
5 @>	5820.00	107.90			33.74	46.73		Peak		
6 @>	5820.00	97.84			33.74	46.73	5.48	Average		
7 @>		65.40			33.72	46.74	5.49	Average		
8 @>	5850.00	81.33			33.72	46.74	5.49	Peak -		

Remark: The "X" represent a fundamental frequency.

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 167 of 50 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004



Site : 03CH03-HY

Condition: FCC CLASS-B 3m BIC-9124--301 VERTICAL

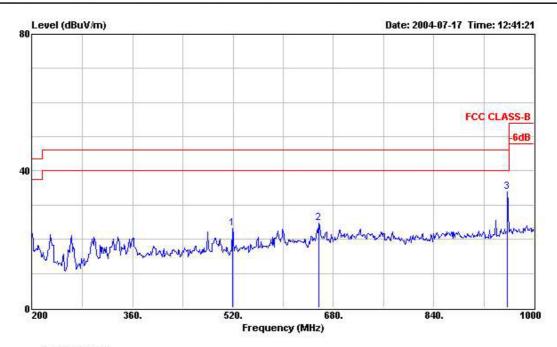
EUT : 802.11a/b/g Access Point

Power : AC 120V / 60Hz Model : WASP-5110 Memo : 11a TX 5825MHz

: WS2000

	Freq		Over Limit			Probe Factor		Preamp Factor	Remark	Ant Pos	Table Pos
-	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	8 	CW	deg
1 !	35.950	35.94	-4.06	40.00	50.21	12.73	1.03	28.03	Peak	121	327
2	71.310	32.56	-7.44	40.00	50.14	8.96	1.42	27.96	Peak		
3	80.830	30.91	-9.09	40.00	47.74	9.56	1.55	27.94	Peak		

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 168 of 50 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004



Site : 03CH03-HY

Condition: FCC CLASS-B 3m LOG-9111-221 VERTICAL

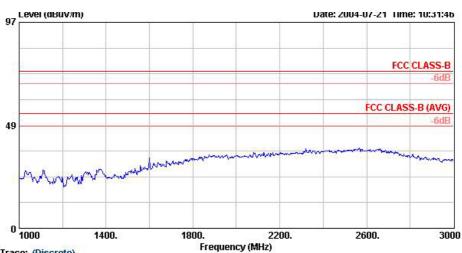
EUT : 802.11a/b/g Access Point

Power : AC 120V / 60Hz Model : WASP-5110 Memo : 11a TX 5825MHz

: WS2000

	Freq	Level	Over Limit	Limit Line		Probe Factor				Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	(()	cm	deg
1	519.200	23.30	-22.70	46.00	30.52	17.51	3.99	28.72	Peak		224
2	656.800	24.68	-21.32	46.00	29.85	18.93	4.64	28.74	Peak		
3	957.600	33.95	-12.05	46.00	34.64	21.90	5.65	28.24	Peak		

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 169 of 50 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004

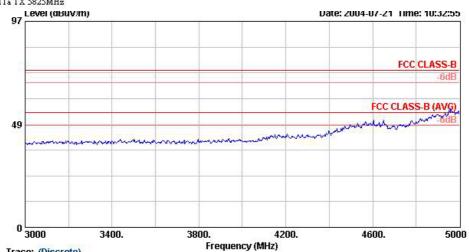


Trace: (Discrete)

: 03CH06

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

EUT : 802.11a/b/g Access Point : AC 120V / 60Hz : WASP - 5110 Power Model Memo : 802.11a TX 5825MHz



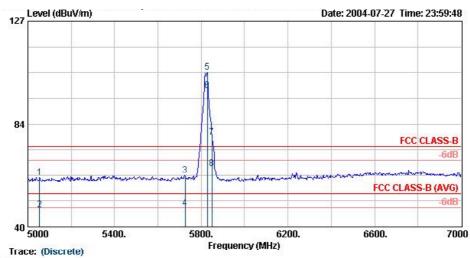
Trace: (Discrete)

Site : 03CH06

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

: 802.11ab/g Access Point : AC 120V / 60Hz : WASP - 5110 : 802.11a TX 5825MHz EUT Power Model Memo

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 170 of 50 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004



: 03CH06 Site

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

: 802.11ab/g Access Point : AC 120V / 60Hz : WASP - 5110 : 802.11a TX 5825MHz EUT Model Memo

	Freq	Level	Over Limit		Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBu∛/m	dB/m	dB	dB		СТО	deg
1 @	5054.00		-13.34	74.00	33. 57	45.77		Peak		
2@	5054.00	46.96	-7.04	54.00	33.57	45.77	4.93	Average		
3 @	5725.00	61.72	-12.28	74.00	33.89	46.62		Peak		
1 @ 2 @ 3 @ 4 @ 5 @×	5725.00		-6.21	54.00	33.89	46.62	5.40	Average		
5 @x	5828.00	105.36			33.74	46.73		Peak		-
6 @X	5828.00	97.65			33.74	46.73	5.48	Average		
7 @X	5850.00	77.96			33.72	46.74		Peak		
8 @X	5850.00				33.72	46.74		Average		

Remark: The "X" represent a fundamental frequency.

Frequency from 7GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

: H9PWSAP5100 FCC ID : 171 of 50 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004

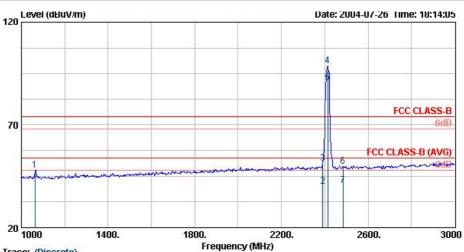
7.4.2 Antenna 2

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

802.11b TX CH01 2412MHz Memo

: Wide Angle Coverage Directi, Gain:11.2dBi

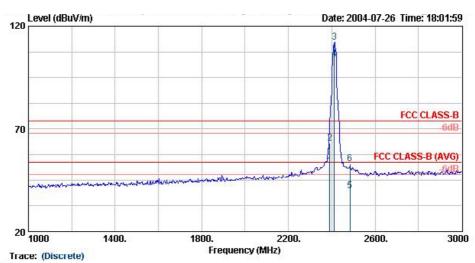
	Freq	Level	Over Limit		Antenna Factor	Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB	-	cm	deg
1 @	1062.00	47.93	-26.07	74.00	24.21	43.58	2.16	Peak	272.0	222
2 @	2390.00	40.01	-13.99	54.00	28.40	44.34	3.33	Average		
1 @ 2 @ 3 @	2390.00	51.06	-22.94	74.00	28.40	44.34	3.33	Peak		
4 @ X	2414.00	98.81			28.41	44.34		Peak		
5 @ X	2414.00	90.57			28.41	44.34	3.35	Average		
6 @	2483.50	49.83	-24.17	74.00	28.48	44.31	3.40	Peak		
5 @ X 6 @ 7 @	2483.50	40.48	-13.52	54.00	28.48	44.31	3.40	Average		

Remark:

The "X" represent a fundamental frequency.

SPORTON International Inc.

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 172 of 50 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004



: 03CH06 Site

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

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

Model802.11b TX CH01 2412MHz Wide Angle Coverage Directi (Memo

: VV 1	ide wuste coverase Dite	en,Gain:11.	20D1				150" 103/465				
	Freq	Level	Over Limit			Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos	
	MHz	dBu∛/m	dB	dBuV/m	dB/m	dB	dB			deg	
1 @	2390.00	51.95	-2.05	54.00	28.40	44.34	3.33	Average	0	0	٦
2 @	2390.00	63.05	-10.95	74.00	28.40	44.34	3, 33	Peak	0	0	
3 @ X	2412.00	112.02			28.41	44.34	3.35	Peak	0	0	
4 @ X	2412.00	103.87			28.41	44.34		Average	Û	Ó	
5 @	2483.50	39.55	-14.45	54.00	28.48	44.31		Average	ã	á	
6 @	2483.50		-20.94		28.48	44.31		Peak	Õ	Õ	

Remark: The "X" represent a fundamental frequency.

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

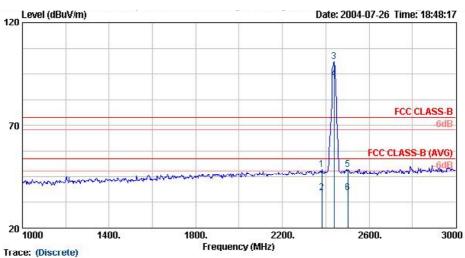
: H9PWSAP5100 FCC ID : 173 of 50 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004

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.



: 03CH06

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

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

802.11b TX CH06 2437MHz

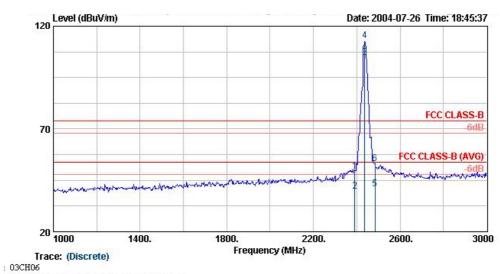
: Wide Angle Coverage Directi, Gain:11.2dBi

	Freq	Level	Over Limit			Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	——dB	dBuV/m	dB/m	dB	dB		cn	deg
1 @ 2 @ 3 @ X	2382.00	48.65	-25.35	74.00	28.38	44.35	3.32	Peak		
2 @	2382.00	37.15	-16.85	54.00	28.38	44.35	3.32	Average		
3 @ X	2438.00	100.88			28, 45	44.32	3.37	Peak		
4 @ X	2438, 00	92.45			28.45			Average		
ร์ดั	2502, 00		-25.35	74 00	28.50	44.30		Peak		
4 @X 5 @ 6 @	2502.00		-16.85		28.50			Average		

Remark: The "X" represent a fundamental frequency.

SPORTON International Inc.

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 174 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

 $802.11b \ TX \ CH06 \ 2437MHz$ Memo

Wide Angle Coverage Directi, Gain:11.2dBi

	Freq	Level	Over Limit		Antenna Factor		Cable Loss	Remark	Ant Pos	Table Pos
-	MHz	dBu∜/m	——dB	dBu∛/m	_dB/m	dB	dB		сп	deg
1 @	2390.00		-24.46		28.40	44.34		Peak	222	
2@	2390.00	39.61	-14.39	54.00	28.40	44.34	3.33	Average		
3 @X	2437.00	104.80			28.45	44.32	3.37	Average		
4 @X	2437.00	112.98			28.45	44.32		Peak		
5 @	2483.50	40.71	-13.29	54.00	28.48	44.31	3.40	Average		888
6 @	2483.50	52. 91	-21.09	74.00	28.48	44.31		Peak	===	===

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. : 175 of 50 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004

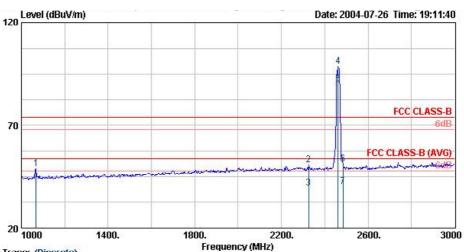
Test Mode: 802.11b TX CH11

 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

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

Memo 802.11b TX CH11 2462MHz

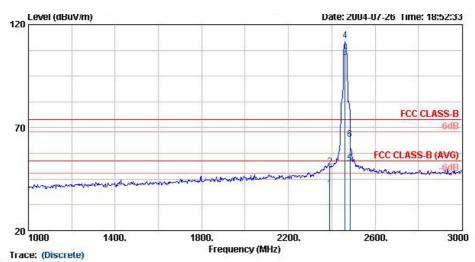
Wide Angle Coverage Directi, Gain:11.2dBi

Free	Level	Over Limit			Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
MHa	dBuV/m	dB	dBuV/m	dB/m	dB	dB		сп	deg
1 @ 1068.00 2 @ 2326.00		-25.01 -23.32	74.00 74.00	24. 21 28. 33	43.58 44.37		Peak Peak	222	
3 @ 2326.00	39.15	-23.32 -14.85		28.33	44.37	3.28	Average		
4 @ X 2462.00 5 @ X 2462.00	90.42			28. 47 28. 47	$\frac{44.32}{44.32}$		Peak Average		
1 @ 1068.00 2 @ 2326.00 3 @ 2326.00 4 @ X 2462.00 5 @ X 2463.50 7 @ 2483.50		-22. 68 -13. 88		28. 48 28. 48			Peak Average		

Remark: The "X" represent a fundamental frequency.

SPORTON International Inc.

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 176 of 79 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004



Site : 03CH06

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

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

802.11b TX CH11 2462MHz Memo

Wide Angle Coverage Directi, Gain:11.2dBi

	Freq	Level	Over Limit		Antenna Factor		Cable Loss	Remark	Ant Pos	Table Pos
•	MHz	dBu∛/m	dB	dBu∛/m	dB/m	dB	dB			deg
1 @ 2 @	2390.00 2390.00	50.87	-13. 75 -23. 13		28. 40 28. 40	44.34 44.34	3.33	Average Peak		0
3 @ X 4 @ X	2462.00	103.90 112.08			28.47 28.47	$\frac{44.32}{44.32}$		Average Peak	U 0	U 0
5 @ 6 @	2483.50 2483.50	52.40 64.07	$\frac{-1.60}{-9.93}$	54.00 74.00	28. 48 28. 48	44.31 44.31		<u>Average</u> Peak	0	0 0

Remark:

The "X" represent a fundamental frequency.

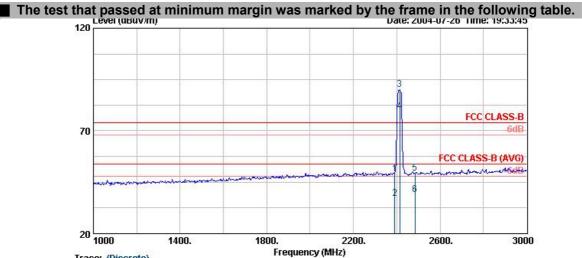
Frequency from 3GHz to 25GHz, the emission emitted by the EUT is too low to be measured.

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 177 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

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

802.11g TX CH01 2412MHz Memo

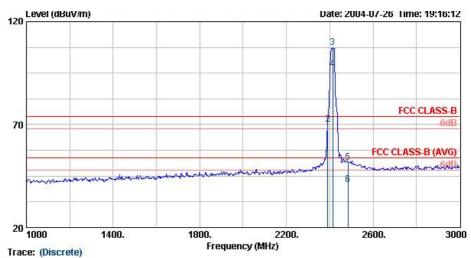
: Wide Angle Coverage Directi, Gain:11.2dBi

	: Wide Angle Coverage Directi,Gain:11.2dBi				lntenno	Preamp	Cable		Ant	Table
	Freq	Level	Over Limit			Factor		Remark	Pos	Pos
	MHz	dBuV/m	dB	dBu∛/m	dB/m	dB	dB		сп	deg
1 @	2390.00	48.90	-25.10	74.00	28.40	44.34	3.33	Peak		
1 @ X 3 @ X 4 @ @ 5 @	2390.00		-16.85	54.00	28.40	44.34		Average		
3 @ ^	2414.00 2414.00	90. 21 79. 45			28.41 28.41	44.34		Peak Average		
4 W \	2483.50	49.30	-24.70	74.00	28. 48	44.34 44.31		Average Peak	===	
ე ₩ (@									10000000	10,00,000
છ છ	2483.50	99. IU	-14.90	54.00	28.48	44.31	0.40	Average	.2.2.2.	9.9.9.

Remark: The "X" represent a fundamental frequency.

SPORTON International Inc.

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 178 of 79 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004



03CH06

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

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

Memo

802.11g TX CH01 2412MHz Wide Angle Coverage Directi, Gain:11.2dBi

. 1122	Freq		0ver			Preamp Factor		Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB		сп	deg
1 @	2390.00	52.94	-1.06	54.00	28, 40	44.34	3, 33	Average	0	0
2 @	2390.00	70.13	-3.87	74.00	28.40	44.34	3.33	Peak	0	0
3 @ X	2414.00	107.21			28.41	44.34	3.35	Peak		
4 @ X	2414.00	97.11			28.41	44.34	3.35	Average	0	0
5 @	2483.50	51.76	-22.24	74.00	28.48	44.31	3.40	Peak		
4 @ X 5 @ 6 @	2483.50	40.87	-13.13	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 TEL: 886-2-2696-2468 Page No. : 179 of 79 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004

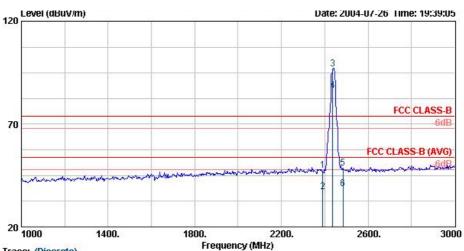
Test Mode: 802.11g TX CH06

 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

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

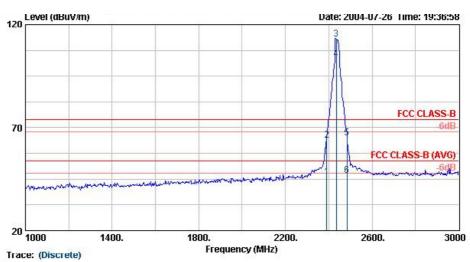
802.11g TX CH06 2437MHz Memo

			2dBi							
,	Freq	Level	0ver				Cable Loss	Remark	Ant Pos	Table Pos
_	MHz	dBu∀/m	dB	dBu∛/m	dB/m	dB	dB		сп	deg
	2390.00			74.00	28.40	44.34			222	200
<			-16.88	54.00						
(2436.00	86.45	05 00	T . 00	28.43	44.33	3.36	Average		===
	2483.50 2483.50			74.00 54.00	28. 48	44.31				
		: Wide Angle Coverage Dire Freq MHz 2390.00 2390.00	Freq Level MHz dBuV/m 2390.00 47.63 2390.00 37.12 4 2436.00 96.83	: Wide Angle Coverage Directi, Gain: 11.2dBi Over Freq Level Limit MHz dBuV/m dB 2390.00 47.63 -26.37 2390.00 37.12 -16.88 2436.00 96.83	: Wide Angle Coverage Directi, Gain: 11.2dBi Over Limits Freq Level Limit Line MHz dBuV/m dB dBuV/m 2390.00 47.63 -26.37 74.00 2390.00 37.12 -16.88 54.00 2436.00 96.83	: Wide Angle Coverage Directi, Gain: 11.2dBi Over LimitAntenna Freq Level Limit Line Factor MHz dBuV/m dB dBuV/m dB/m 2390.00 47.63 -26.37 74.00 28.40 2390.00 37.12 -16.88 54.00 28.40 2436.00 96.83 28.43	: Wide Angle Coverage Directi, Gain: 11.2dBi Over Freq Level Limit Line Factor Factor MHz dBuV/m dB dBuV/m dB/m dB 2390.00 47.63 -26.37 74.00 28.40 44.34 2390.00 37.12 -16.88 54.00 28.40 44.34 2436.00 96.83	: Wide Angle Coverage Directi, Gain: 11 2dBi Over Limit Antenna Preamp Cable Freq Level Limit Line Factor Factor Loss MHz dBuV/m dB dBuV/m dB/m dB dB 2390.00 47.63 -26.37 74.00 28.40 44.34 3.33 2390.00 37.12 -16.88 54.00 28.40 44.34 3.33 4436.00 96.83	: Wide Angle Coverage Directi, Gain: 11.2dBi	: Wide Angle Coverage Directi, Gain: 11.2dBi Over LimitAntenna Preamp Cable Ant Freq Level Limit Line Factor Factor Loss Remark Pos MHz dBuV/m dB dBuV/m dB/m dB dB cm 2390.00 47.63 -26.37 74.00 28.40 44.34 3.33 Peak 2390.00 37.12 -16.88 54.00 28.40 44.34 3.33 Average 2436.00 96.83 28.43 44.33 3.36 Peak

Remark: The "X" represent a fundamental frequency.

SPORTON International Inc.

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 180 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

Memo

802.11g TX CH06 2437MHz Wide Angle Coverage Directi, Gain:11.2dBi

	Freq	Freq L evel				Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dB dBu∀/m	dB/m	dB	dB		сп	deg
l @	2390.00	45.95	-8.05	54.00	28.40	44.34	3, 33	Average	200	2.2.2
2 @	2390.00	64.01	-9.99		28.40	44.34		Peak		
3 @ X	2434.00	113.10			28.43	44.33	3.36	Peak		
4 @ X	2434.00	103.12			28.43	44.33	3.36	Average		
5 @	2483.50	65.00	-9.00	74.00	28.48	44.31		Peak		
6 @	2483 50	46 79	-7 21	54 00	28 48	44 31	3 40	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 : 181 of 79 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004

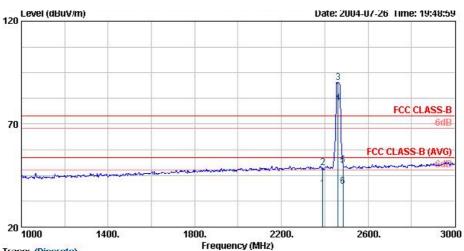
Test Mode: 802.11g 11b TX CH11

 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 ModelWASP5100 802.11g TX CH11 2462M Memo

vlemo		X CH11 2462M le Coverage Dire		2dBi							
	1	Freq	Level	Over Limit			Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
		MHz	dBu∀/m	dB	dBu∛/m	dB/m	dB	dB		сп	deg
1 @ 2 @ 3 @		2390.00 2390.00		-15.55 -25.14	54.00 74.00	28. 40 28. 40	44.34 44.34		Average Peak	222	
2 @ 3 @	X	2462.00 2462.00	90.35 80.12			28. 47 28. 47	44.32 44.32	3.38	Peak Average		===
4 @ 5 @ 6 @	^	2483.50	50.25	-23.75	74.00	28.48	44.31	3.40	Peak -		
6 @		2483.50	39.88	-14.12	54.00	28.48	44.31	3.40	Average	2.2.2	0.000

Remark: The "X" represent a fundamental frequency.

SPORTON International Inc.

: H9PWSAP5100 FCC ID TEL: 886-2-2696-2468 Page No. : 182 of 50 FAX: 886-2-2696-2255 Issued Date : Aug. 12, 2004