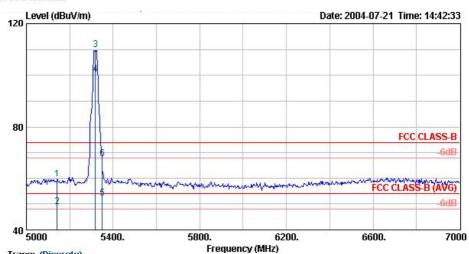


03CH06 Site

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

802.11a/b/g Access Point AC 120V / 60Hz EUT Power Model WASP - 5110 Memo 802.11a TX 5320MHz



Trace: (Discrete)

: 03CH06

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

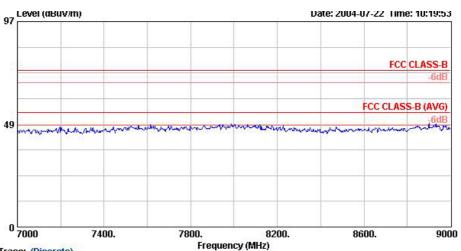
802.11a/b/g Access Point AC 120V / 60Hz EUT Power : WASP - 5110 Model : 802.11a TX 5320MHz Memo

	Freq	Over Limit	Level	Limit/ Line		Preamp Factor		Remark	Ant Pos	Table Pos
	MHz	dB	dBu∛/m	dBu∛/m	dB/m	dB	dB		CID	deg
l l	5142.00 5142.00		59. 59 48. 80	74.00 54.00	33.71 $33.71$	45.91 $45.91$	5.00	Peak Average	888	
3 X	5318.00	=:x=2.11	109.76		33.94	46.14	5.12	Peak		<u></u>
4 @ 5 !	5318.00 5350.00	-1.72	100.37 52.28	54.00	$\frac{33.94}{33.99}$	46.14 46.19	5.14	Average Average		
6	5350.00	-6.41	67.59	74.00	33.99	46.19	5.14	Peak		

Remark: The "X" represent a fundamental frequency.

## SPORTON International Inc.

FCC ID : H9PWSAP5100 : 73 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004

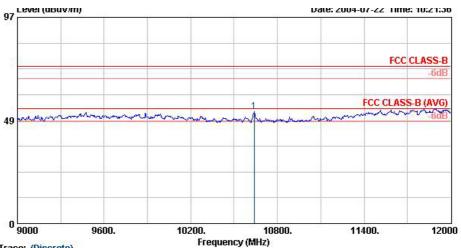


Trace: (Discrete)

03CH06 Site

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

802.11a/b/g Access Point AC 120V / 60Hz WASP - 5110 EUT Power Model Memo 802.11a TX 5320MHz



Trace: (Discrete)

Site : 03CH06

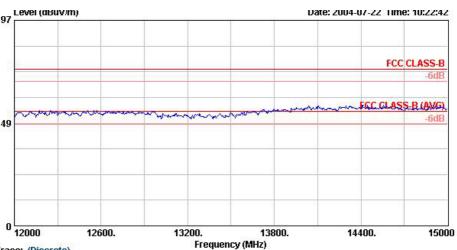
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL

EUT 802.11a/b/g Access Point Power AC 120V / 60Hz ModelWASP - 5110 Memo : 802.11a TX 5320MHz

lemo	: 802.11a 1 A 33201VITZ		Over	Limit	Antonno	Preamp	Cable		Ant	Table
	Freq	Level				Factor			Pos	Pos
	MHz	dBu∛/m	dB	dBu¥/m	dB/m	dB	dB			deg
1 @	10638.00	52.64	-21.36	74.00	36.50	43.78	7.68	Peak	0.00	

SPORTON International Inc.

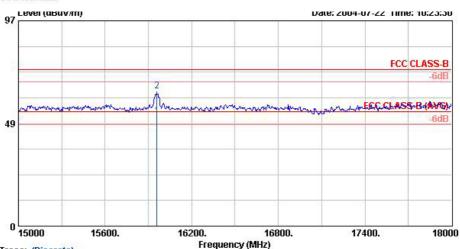
FCC ID : H9PWSAP5100 : 74 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004



03CH06

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

802.11a/b/g Access Point AC 120V / 60Hz EUT Power Model WASP - 5110 Memo 802.11a TX 5320MHz



Trace: (Discrete)

Site

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

802.11a/b/g Access Point AC 120V / 60Hz EUT Power Model WASP - 5110 Memo 802.11a TX 5320MHz

Freq	Level				Preamp Factor		Remark	Ant Pos	Table Pos
MHz	dBu∜/m	dB	dBu¥/m	dB/m	dB	dB		cn	deg
15960.00 15960.00					$\frac{46.34}{46.34}$		Average Peak	0	0

Remark: Frequency from 18GHz to 40GHz, the emission emitted by the EUT is too low to be measured.

Test Engineer: Jones Tsai

SPORTON International Inc.

FCC ID : H9PWSAP5100 : 75 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004

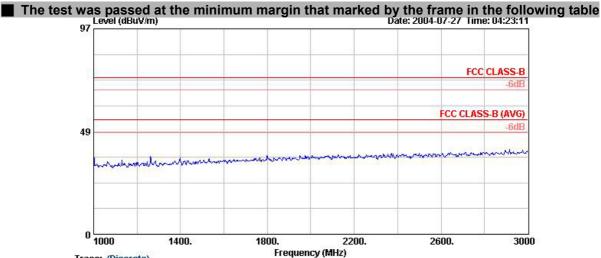
### 5.6.4.2 Antenna 6

Test Mode: 802.11a TX Frequency = 5260 MHz

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

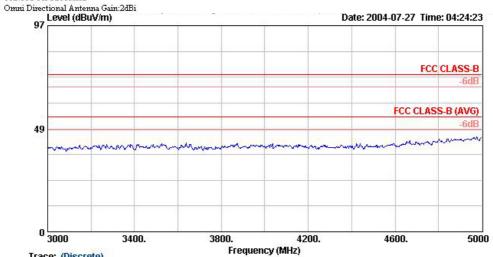


Trace: (Discrete)

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 802.11a TX 5260MHz



Trace: (Discrete)

03CH06 Site

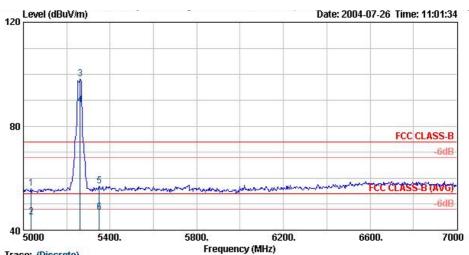
Condition FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL

EUT 802.11a/b/g Access Point Powe: AC 120v/60Hz WASP5100 Model 802.11a TX 5260MHz Memo

Omni Directional Antenna Gain:2dBi

## SPORTON International Inc.

FCC ID : H9PWSAP5100 : 76 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004



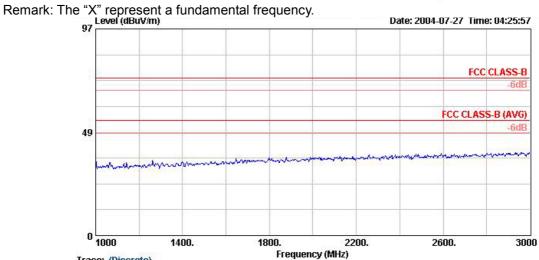
03CH06 Site

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

EUT 802.11a/b/g Access Point AC 120v/60Hz WASP5100 Power Model 802.11a TX 5260MHz Memo

Omni Directional Antenna Gain:2dBi

	Freq	Level	Over Limit			Preamp Factor		Remark	Ant Pos	Table Pos
	MHz	dBu∛/m	dB	dBu∛/m	dB/m	dB	dB		cm	deg
1 @	5036.00	56, 11	-17, 89	74.00	33, 55	45, 75	4.92	Peak	201212	20.00
1 @ 2 @ 4 @ 5 @	5036.00	45.01		54.00	33.55	45.75	4.92	Average		
3 @	5262.00	98.44			33.87	46.07		Peak		
4 @	5262.00	88.15			33.87	46.07	5.08	Average	-	
5 @	5350.00	57.07	-16.93	74.00	33.99	46.19		Peak -		
6 @	5350, 00	46.84	-7.16	54,00	33.99	46.19	5.14	Average		



Trace: (Discrete)

03CH06 Site

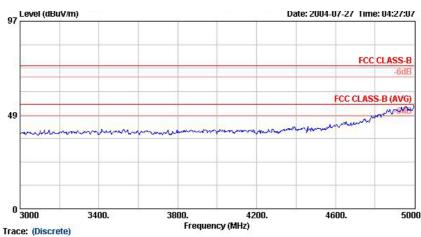
FCC CLASS-B 3m HF-HORN AH-118 VERTICAL Condition : EUT 802.11a/b/g Access Point

Power AC 120v/60Hz ModelWASP5100  $802.11a\,TX\,5260MHz$ Memo

Omni Directional Antenna Gain:2dBi

# SPORTON International Inc.

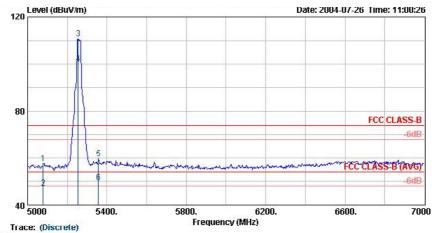
FCC ID : H9PWSAP5100 : 77 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004



03CH06 Site

802.11a TX 5260MHz

Omni Directional Antenna Gain:2dBi



: 03CH06

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

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

802.11a TX 5260MHz Omni Directional Antenna Gain:2dBi

	Freq	Level	Over Limit			Preamp Factor		Remark	Ant Pos	Table Pos
	MHz	dBu∜/m	dB	dBu∛/m	dB/m	dB	dB		cm	deg
1 @ 2 @ 3 @ 4 @	5078.00	57.57	-16.43	74.00	33.62	45.82	4.96	Peak	222	
2 @ 3 @ 4 @ 5 @	5078.00	47.15	-6.85	54.00	33.62	45.82	4.96	Average		
3 @	5254.00	110.69			33.85	46.05	5.07	Peak		
4 @	5254.00	100.15			33.85	46.05	5.07	Average		
5 @	5358 00	59 60	-14 40	74 00	33 99	46 19	5 14	Peak		
6 @	5358.00	49.48	-4.52	54.00	33.99	46.19	5.14	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.

Test Engineer: Jones Tsai

Jones Tsai

SPORTON International Inc.

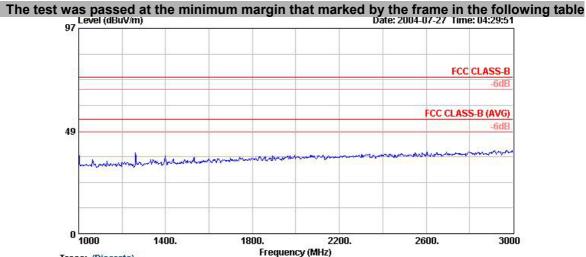
FCC ID : H9PWSAP5100 TEL: 886-2-2696-2468 Page No. : 78 of 114 FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004

Test Mode: 802.11a TX Frequency = 5320 MHz

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

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

802.11a/b/g Access Point EUT Power AC 120v/60Hz Model WASP5100 Memo 802.11a TX 5320MHz

Omni Directional Antenna Gain:2dBi Level (dBuV/m) Date: 2004-07-27 Time: 04:30:58 FCC CLASS-B FCC CLASS-B (AVG) -6dE 49 0 3000 3400. 3800. 4200. 4600. 5000 Frequency (MHz)

Trace: (Discrete)

03CH06 Site

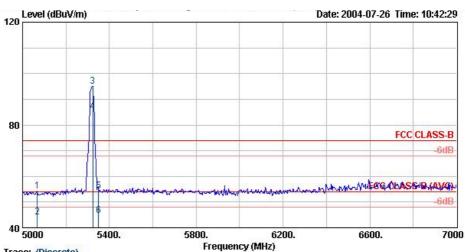
FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL Condition

EUT 802.11a/b/g Access Point AC 120v/60Hz Power Model WASP5100  $802.11a\,TX\,5320MHz$ Memo

Omni Directional Antenna Gain:2dBi

## SPORTON International Inc.

FCC ID : H9PWSAP5100 TEL: 886-2-2696-2468 Page No. : 79 of 114 FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004



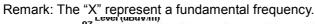
03CH06 Site

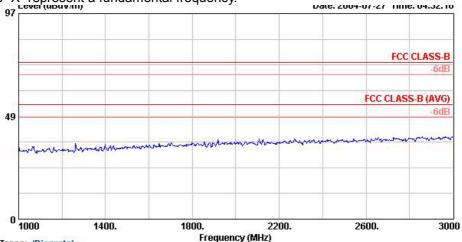
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL

EUT 802.11a/b/g Access Point AC 120v/60Hz WASP5100 Model  $802.11\mathtt{a}\,\mathrm{TX}\,5320\mathrm{MHz}$ Memo

Omni Directional Antenna Gain:2dBi

	. Ontal Directional America	Oani.zubi	0ver	Limita	Antenna	Preamp	Cable		Ant	Table
	Freq	Level	Limit			Factor		Remark	Pos	Pos
	MHz	dBu∛/m	dB	dBu∛/m	dB/m	dB	dB		cn	deg
1 @	5068.00	54.19	-19.81	74.00	33, 59	45.79	4.94	Peak		222
1 @ 2 @ 4 @ 5 @	5068.00	44.25	-9.75	54.00	33.59	45.79		Average		
3 @	5324.00	95.08			33.94	46.14		Peak		
4 @	5324.00	85.12			33.94	46.14	5.12	Average	-	
5 @	5350.00	54.40	-19.60	74.00	33.99	46.19	5.14	Peak	888	
6 @	5350.00	44.62	-9.38	54.00	33.99	46.19	5.14	Average	3.3.3	





Trace: (Discrete)

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

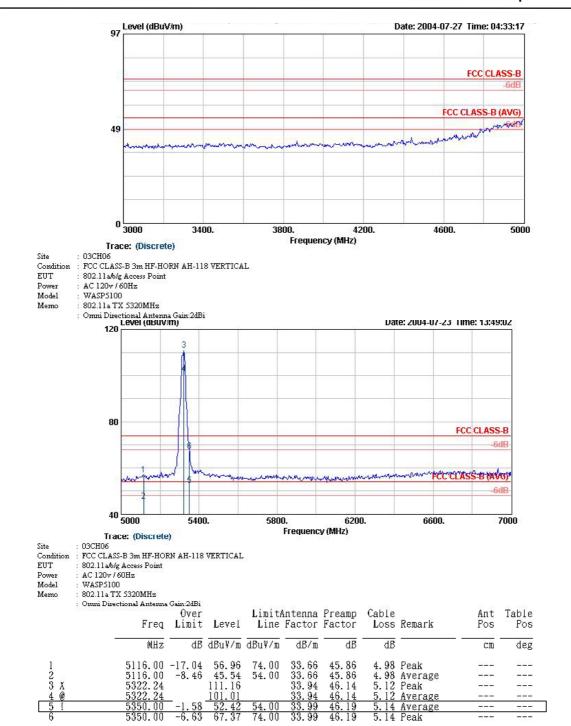
EUT

802.11a/b/g Access Point AC 120v / 60Hz Power WASP5100 Model 802.11a TX 5320MHz Memo

Omni Directional Antenna Gain:2dBi

## SPORTON International Inc.

FCC ID : H9PWSAP5100 : 80 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004



Remark: The "X" represent a fundamental frequency.

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

Jones Tsai Test Engineer:

SPORTON International Inc.

FCC ID : H9PWSAP5100 TEL: 886-2-2696-2468 Page No. : 81 of 114 FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004

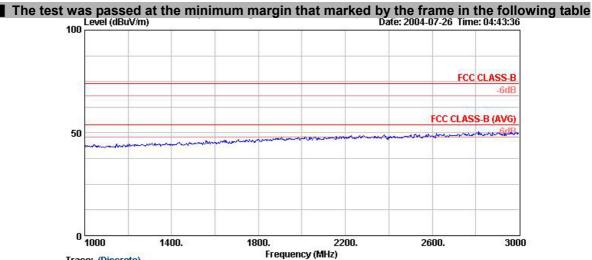
### 5.6.4.3 Antenna 7

Test Mode: 802.11a TX Frequency = 5260 MHz

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

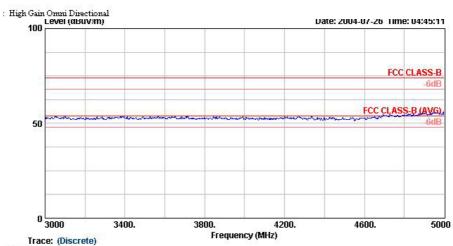


Trace: (Discrete)

03CH06 Site

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

EUT 802.11a/b/g Access Point Power AC 120V/60Hz Model WASP5100 802.11a TX 5260MHz Memo



Site

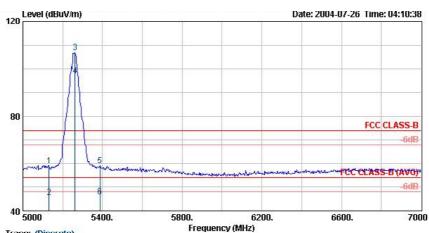
: 03CH06 : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL Condition

EUT 802.11a/b/g Access Point Power Model AC 120V / 60Hz WASP5100 802.11a TX 5260MHz

: High Gain Omni Directional

# SPORTON International Inc.

FCC ID : H9PWSAP5100 : 82 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004

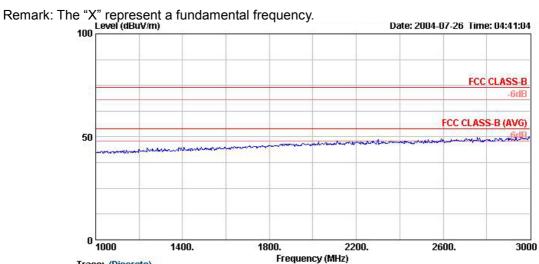


Trace: (Discrete)
Site : 03CH06
Condition : FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL

802.11ab/g Access Point AC 120V / 60Hz WASP5100 EUT Power Model 802.11a TX 5260MHz

: High Gain Omni Directional

	: High Gain Omni Direction	al	0ver	13-34	Antanna	Preamp	Cable		0 n +	Table
	Freq	Level	Limit		Factor			Remark	Ant Pos	Pos
	MHz	$\overline{\text{dBuV/m}}$	dB	dBu∜/m	dB/m	dB	dB		cn	deg
1 @	5132.00	59.17	-14.83	74.00	33.69	45.89		Peak		
2@	5132.00	45.56	-8.44	54.00	33.69	45.89	4.99	Average	-	
3 @	5262.00	106.90			33.87	46.07	5.08	Peak	A	
4 @	5262.00	97.15			33.87	46.07	5.08	Average		
5 @	5388.00	59.06	-14.94	74.00	34.04	46.24		Peak		
6 @	5388.00	46.08	-7.92	54,00	34.04	46.24	5, 16	Average	222	



Trace: (Discrete)

Site 03CH06

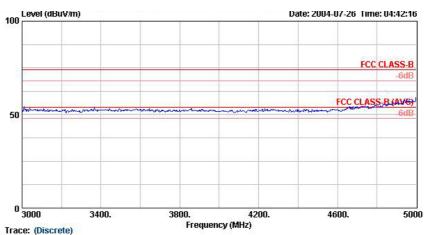
Condition : FCC CLASS-B 3m HF-HORN AH-118 VERTICAL

802.11a/b/g Access Point AC 120V / 60Hz EUT Power Model WASP5100 802.11a TX 5260MHz

: High Gain Omni Directional

# SPORTON International Inc.

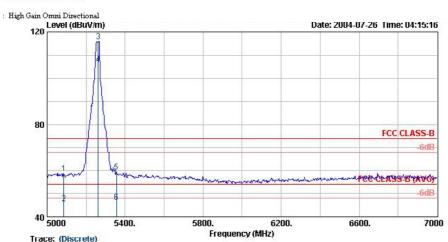
FCC ID : H9PWSAP5100 : 83 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004



Site : Condition :

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

EUT 802.11a/b/g Access Point Power Model AC 120V / 60Hz WASP5100 802.11a TX 5260MHz



Site

Trace: (Discrete)
03CH06
FCC CLASS-B 3m HF-HORN AH-118 VERTICAL Condition

802.11a/b/g Access Point AC 120V / 60Hz WASP5100 EUT Power Model 802.11a TX 5260MHz

: High Gain Omni Directional

	Freq	Level	Over Limit			Preamp Factor			Ant Pos	Table Pos
	MHz	dBu∜/m	dB	$\overline{\mathtt{dBuV/m}}$	dB/m	dB	dB		CID.	deg
1 @	5086.00	58. 78	-15.22	74.00	33, 62	45.82	4.96	Peak		
2@	5086.00	45.54	-8.46	54.00	33.62	45.82	4.96	Average		
3 @	5262.00	115.85			33.87	46.07	5.08	Peak		
4 @	5262.00	106.06			33.87	46.07	5.08	Average		
5 @	5356.00	59.48	-14.52	74.00	33.99	46.19	5.14	Peak -		
6.0	5356 00	46 34	-7 66	54 00	33 99	46 19	5 14	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.

Test Engineer: Jones Tsai

Jones Tsai

SPORTON International Inc.

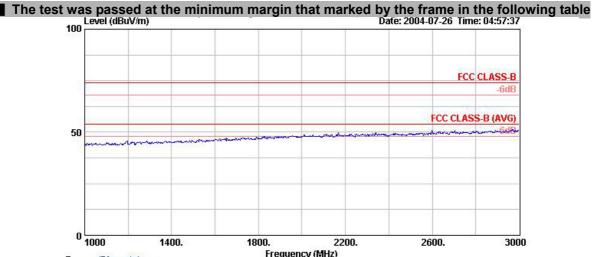
FCC ID : H9PWSAP5100 : 84 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004

Test Mode: 802.11a TX Frequency = 5320 MHz

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

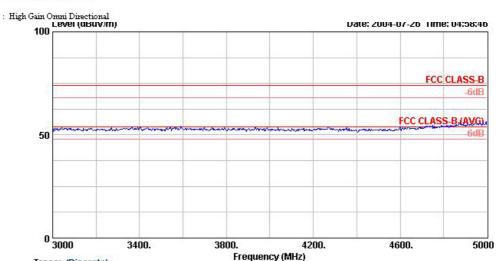


Trace: (Discrete)

Site 03CH06

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

EUT 802.11a/b/g Access Point AC 120V / 60Hz WASP5100 Power Model : 802.11a TX 5320MHz Memo



Trace: (Discrete)

Site 03CH06

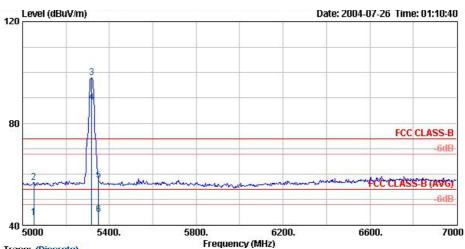
FCC CLASS-B 3m HF-HORN AH-118 HORIZONTAL Condition

EUT 802.11a/b/g Access Point AC 120V / 60Hz Power Model WASP5100 802.11a TX 5320MHz Memo

: High Gain Omni Directional

## SPORTON International Inc.

FCC ID : H9PWSAP5100 : 85 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004



Trace: (Discrete): 03CH06

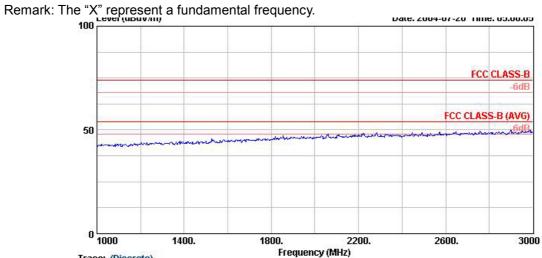
Site

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

802.11a/b/g Access Point EUT Power AC 120V/60Hz Model WASP5100 : 802.11a TX 5320MHz Memo

: High Gain Omni Directional

	Freq	Level	Over Limit		Antenna Factor		Loss	Remark	Ant Pos	lable Pos
	MHz	dBuV/m	dB	dBuV/m	dB/m	dB	dB		cm	deg
1 @	5052.00	43.01	-10.99	54.00	33.57	45.77	4.93	Average		
1 @ 2 @ 3 @ 4 @ 5 @	5052.00	56.75	-17.25	74.00	33.57	45.77	4.93	Peak		
3 @	5318.00	98.02			33.94	46.14	5.12	Peak	77.77.77	(7)
4 @	5318.00	88.04			33.94	46.14	5.12	Average		
5 @	5350.00	57.49	-16.51	74.00	33.99	46.19	5.14	Peak	555	
6 @	5350.00	44.23	-9.77	54.00	33.99	46.19	5.14	Average	000	000



Trace: (Discrete)

Site : 03CH06

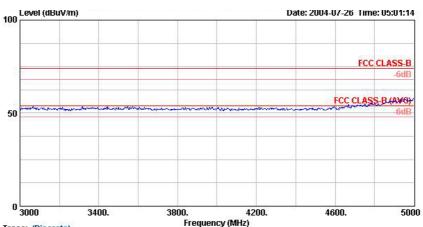
FCC CLASS-B 3m HF-HORN AH-118 VERTICAL Condition :

802.11a/b/g Access Point EUT AC 120V / 60Hz Power Model WASP5100 : 802.11a TX 5320MHz

: High Gain Omni Directional

SPORTON International Inc.

FCC ID : H9PWSAP5100 : 86 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004

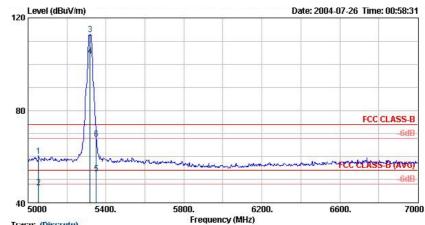


: 03CH06 Site : Condition :

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

: 802.11ab/g Access Point : AC 120V / 60Hz : WASP5100 : 802.11a TX 5320MHz EUT

: High Gain Omni Directional



Trace: (Discrete)

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

802.11a/b/g Access Point AC 120V / 60Hz WASP5100 EUT Power Model 802.11a TX 5320MHz

: High Gain Omni Directional

)AT	Freq	Over Limit	Level			Preamp Factor			Ant Pos	Table Pos
	MHz	dB	dBu∜/m	dBu∛/m	dB/m	dB	dB		cn	deg
1	5054.00	-13.84	60.16	74.00	33. 57	45.77	4.93	Peak		
2	5054.00	-7.60	46.40	54.00	33.57	45.77	4.93	Average		
3 X	5318.00	38.86			33.94	46.14	5.12	Peak -		
4 @	5318.00	49.61			33.94	46.14	5.12	Average		
5 !	5350.00	-1.42	52.58	54.00	33.99	46.19	5.14	Average	555	555
6	5350_00	-6 40	67, 60	74 00	33 99	46 19	5 14	Peak		

Remark: The "X" represent a fundamental frequency.

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

Test Engineer: Jones Tsai

Jones Tsai

SPORTON International Inc.

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