

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 5240MHz

1 @ 2 @		Freq	dBu∀/m 58.57	Limit dB -15.43	Line dBuV/m 74.00	43. 28	Factor dB 45.59	Loss dB 9.41 9.41	Remark	P	nt Table os Pos cm des
	97	Level (dBuV	//m)		0.0011111111111111111111111111111111111		20-000-000-000-000-000-000-000-000-000-	Da	te: 2004-07-	21 Time: 1	0:08:22
										FCC CL	ASS-B -6dB
	49								FC	C CLASS-E	B (AVG) -6dB
	0.00	and the second			Mahama	~~Mr~~~~~	metranous	m-m	- was placed and the second	MANAGER	where
		www.ywy.	mar direct	~ and parties							
	0	1000 ce: (Discrete	1400).	180)O. Frequenc	220 y (MHz)	0.	2600	i.	3000

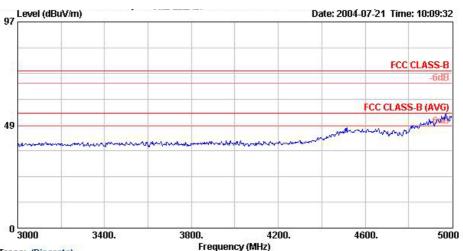
: 03CH06 Site

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

EUT 802.11a/b/g Access Point Power AC 120V / 60Hz : WASP - 5110 : 802.11a TX 5240MHz Model Memo

SPORTON International Inc.

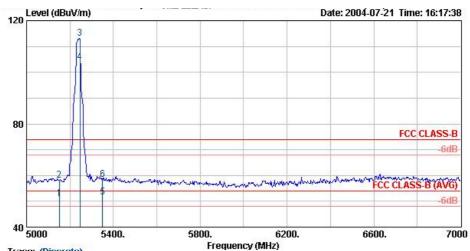
FCC ID : H9PWSAP5100 : 58 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004



Trace: (Discrete)

Site

03CH06 FCC CLASS-B 3m HF-HORN AH-118 VERTICAL 802.11a/b/g Access Point AC 120V / 60Hz Condition EUT Power Model WASP - 5110 Memo 802.11a TX 5240MHz



Trace: (Discrete)

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

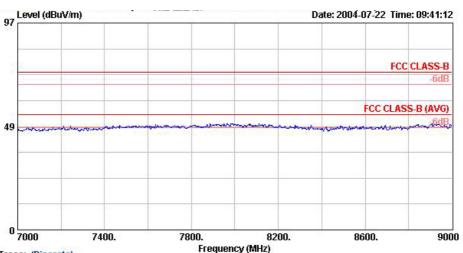
EUT 802.11a/b/g Access Point Power AC 120V/60Hz WASP - 5110 802.11a TX 5240MHz Model

Memo	. 002.114 1A J240WIIZ			- W W		_				
	Freq	Over Limit				Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dB	dBu∛/m	$\overline{dBuV/m}$	dB/m	dB	dB		ст	deg
1 [5150.00	-2.96	51.04	54.00	33.71	45.91	5.00	Average	0	0
2	5150.00	-15, 73	58.27	74.00	33.71	45.91		Peak	0	0
3 X	5246.52		113.17		33.85	46.05	5.07	Peak	0	0
4 @	5246.52		103.83		33.85	46.05	5.07	Average	0	0
5 !	5350.00	-2.52	51.48	54.00	33.99	46.19		Average	Û	Û
6	5350.00	-15.63	58, 37	74.00	33.99	46.19	5.14	Peak	Û	0

Remark: The "X" represent a fundamental frequency.

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FCC ID : H9PWSAP5100 : 59 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004

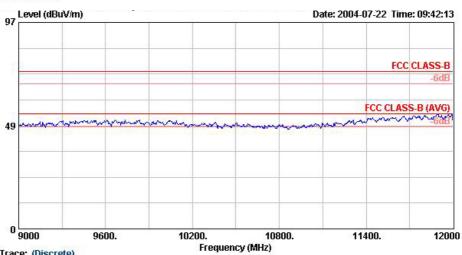


Trace: (Discrete)

03CH06

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

802.11a/b/g Access Point AC 120V / 60Hz WASP - 5110 802.11a TX 5240MHz EUT Power Model Memo

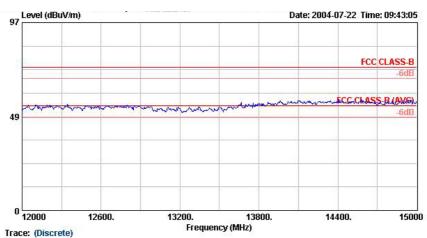


Trace: (Discrete) : 03CH06

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

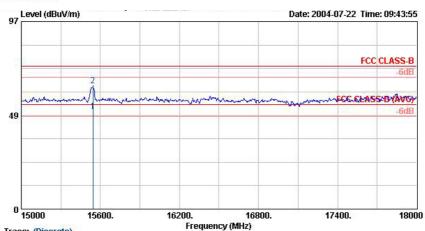
EUT 802.11a/b/g Access Point Power AC 120V / 60Hz WASP - 5110 802.11a TX 5240MHz Model Memo

FCC ID : H9PWSAP5100 : 60 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004



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

802.11a/b/g Access Point AC 120V / 60Hz WASP - 5110 EUT Power 802.11a TX 5240MHz



Trace: (Discrete): 03CH06

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

: 802.11ab/g Access Point : AC 120V / 60Hz : WASP - S110 : 802.11a TX 5240MHz Power Model

	Freq	Level	evel Limit				Remark	Pos Cm	lable Pos
	MHz	$\overline{\text{dBuV/m}}$		dBuV/m	dB/m				deg
1 @ 2 @	15544.00 15544.00			54.00 74.00		45.59 45.59	Average Peak	0 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 TEL: 886-2-2696-2468 Page No. : 61 of 114 FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004

Test Mode: 802.11a TX Frequency = 5260 MHz

Test Distance: 3 M Temperature: 25.3°C Relative Humidity:53.5 %

Emission level $(dBuV/m) = 20 \log Emission level (uV/m)$

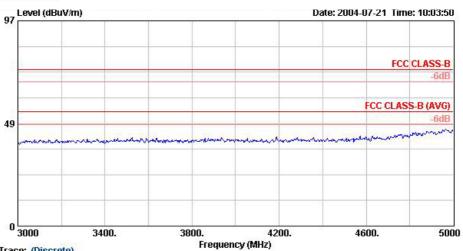
Corrected Reading: Probe Factor + Cable Loss + Read Level - Preamp Factor = Level



Trace: (Discrete)

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

EUT 802.11a/b/g Access Point Power AC 120V / 60Hz Model WASP - 5110 802.11a TX 5260MHz Memo



Trace: (Discrete)

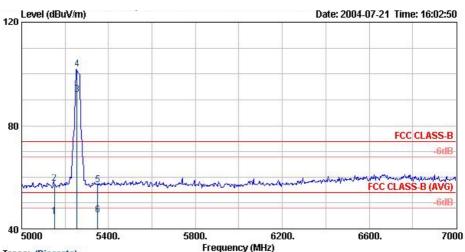
03CH06 Site

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

EUT 802.11a/b/g Access Point Power ${\tt AC\,120V\,/\,60Hz}$ WASP - 5110 802.11a TX 5260MHz Model Memo

SPORTON International Inc.

FCC ID : H9PWSAP5100 TEL: 886-2-2696-2468 Page No. : 62 of 114 FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004



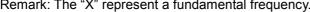
Trace: (Discrete) 03CH06

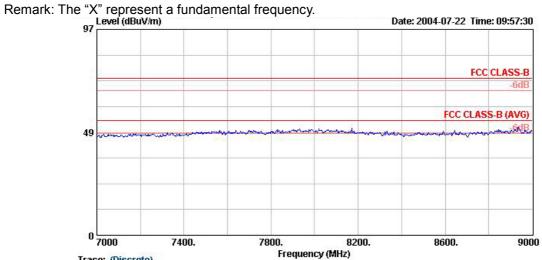
Site

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

802.11a/b/g Access Point AC 120V / 60Hz EUT Power Model WASP - 5110 Memo 802.11a TX 5260MHz

	Freq	Over Limit	Level			Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dB	dBu∛/m	dBu∛/m	dB/m	dB	dB		cm	deg
1 2 3 X 4 X	5150.00 5150.00 5254.00 5254.00	-9.14 -16.35		54.00 74.00	33. 71 33. 71 33. 85 33. 85	45. 91 45. 91 46. 05 46. 05	5.00 5.07	Average Peak Average Peak	0 0 0	0 0 0
5 "	5350.00 5350.00	-17.13 -8.54		74.00 54.00	33. 99 33. 99	46. 19 46. 19	5.14	Peak Average	Ŏ O	ă





Trace: (Discrete)

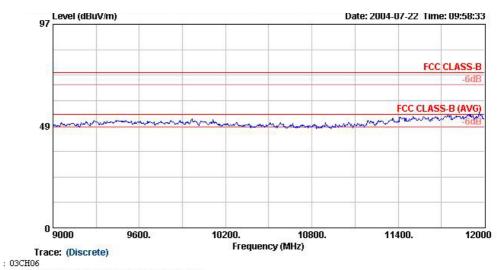
: 03CH06 Site

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

EUT 802.11a/b/g Access Point Power AC 120V / 60Hz WASP - 5110 802.11a TX 5260MHz Model Memo

SPORTON International Inc.

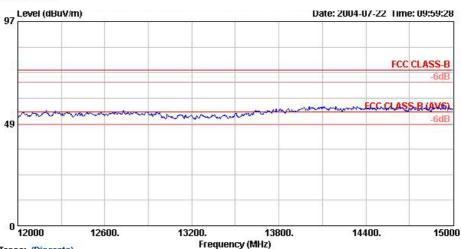
FCC ID : H9PWSAP5100 : 63 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004



Site

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

EUT 802.11a/b/g Access Point AC 120V/60Hz WASP - 5110 802.11a TX 5260MHz ModelMemo



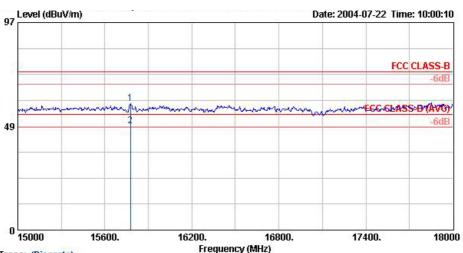
Trace: (Discrete)

Site

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

802.11a/b/g Access Point AC 120V / 60Hz EUT Power WASP - 5110 802.11a TX 5260MHz Model

FCC ID : H9PWSAP5100 : 64 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004



Trace: (Discrete)

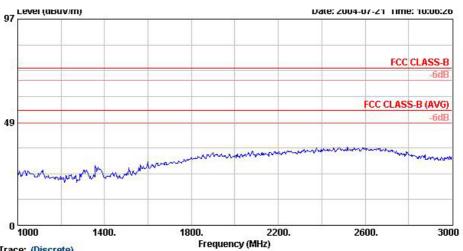
Site 03CH06

1 @ 2 @

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

802.11ab/g Access Point AC 120V / 60Hz WASP - 5110 802.11a TX 5260MHz EUT Power Model Memo

Table Pos	Ant Pos		Preamp Factor				Level	Freq
deg	CID.	 dB	dB	dB/m	dBu∛/m	dB	dBu∛/m	MHz
								15777.00 15777.00



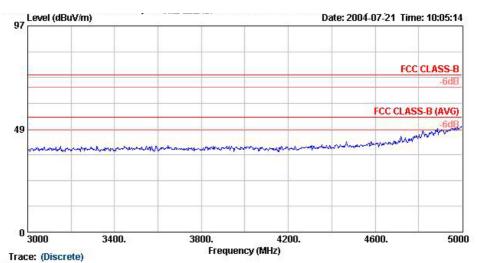
Trace: (Discrete)

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

EUT 802.11a/b/g Access Point : AC 120V / 60Hz : WASP - 5110 : 802.11a TX 5260MHz Model Memo

SPORTON International Inc.

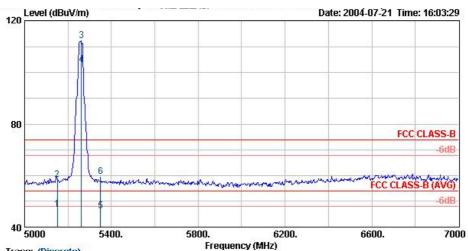
FCC ID : H9PWSAP5100 : 65 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004



Site

Condition

03CH06 FCC CLASS-B 3m HF-HORN AH-118 VERTICAL 802.11a/b/g Access Point AC 120V / 60Hz EUT Power Model WASP - 5110 Memo 802.11a TX 5260MHz



Trace: (Discrete)

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

EUT 802.11a/b/g Access Point Power AC 120V / 60Hz WASP - 5110 802.11a TX 5260MHz Model Memo

	Freq	Over Limit	Level			Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dB	dBu∛/m	dBu∛/m	dB/m	dB	dB		cm	deg
1 2 3 X 4 @ 5	5150.00 5150.00 5262.00 5262.00 5350.00 5350.00	-15.54 -7.65	58. 46 112. 12 103. 15 46. 35	74.00	33. 71 33. 71 33. 87 33. 87 33. 99 33. 99	45. 91 45. 91 46. 07 46. 07 46. 19 46. 19	5.00 5.08 5.08 5.14	Average Peak Peak Average Average Peak	0 0 0 0 0	0 0 0 0 0

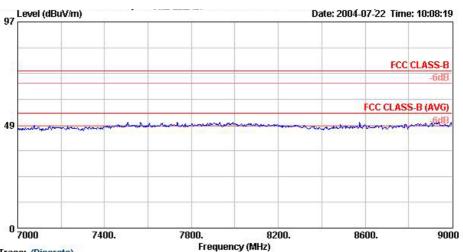
Remark: The "X" represent a fundamental frequency.

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

FCC ID

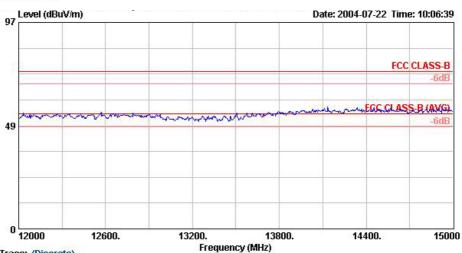
: H9PWSAP5100



Trace: (Discrete)

Site Condition

03CH06
FCC CLASS-B 3m HF-HORN AH-118 VERTICAL
802.11a/b/g Access Point
AC 120V / 60Hz EUT Power Model WASP - 5110 Memo 802.11a TX 5260MHz

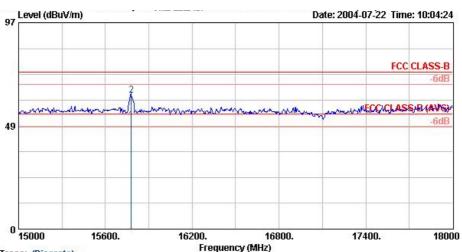


Trace: (Discrete) : 03CH06

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

EUT 802.11a/b/g Access Point Power AC 120V / 60Hz WASP - 5110 802.11a TX 5260MHz Model Memo

FCC ID : H9PWSAP5100 : 67 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004



Trace: (Discrete)

| Site | 103CH06 | 107CH06 Model

WASP - 5110 802.11a TX 5260MHz Memo

	Freq	Level				Preamp Factor		Remark	Ant Pos	Table Pos
	MHz	dBu∜/m	dB	dBu∀/m	dB/m	dB	dB		ст	deg
10	15779.00	51.36	-2.64	54.00	43.39	46.00	9.51	Average	0	0
2 @	15779.00	63.14	-10.86	74.00	43.39	46.00	9.51	Peak	200	222

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

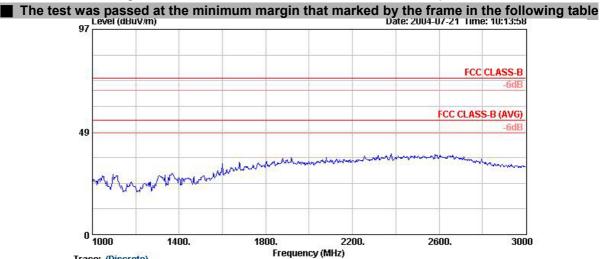
Test Engineer : Jones Tsai

FCC ID : H9PWSAP5100 : 68 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

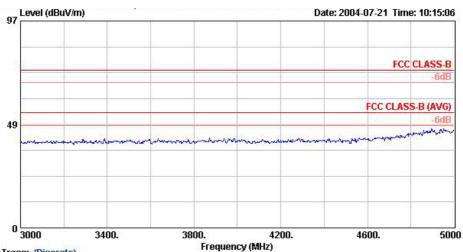


Trace: (Discrete)

03CH06 Site

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

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



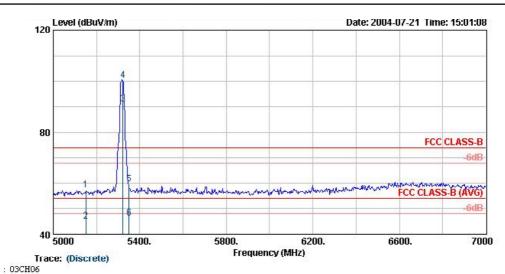
Trace: (Discrete)

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

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

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FCC ID : H9PWSAP5100 TEL: 886-2-2696-2468 Page No. : 69 of 114 FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004



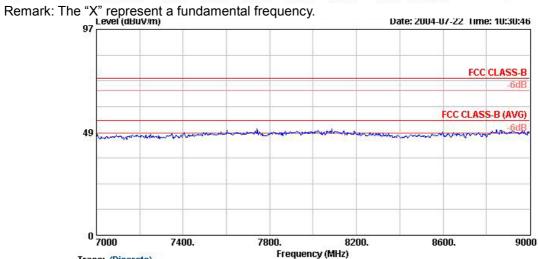
Site

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

802.11a/b/g Access Point EUT AC 120V / 60Hz ModelWASP - 5110 $802.11\mathtt{a}\,\mathrm{TX}\,5320\mathrm{MHz}$ Memo

	Freq	Over Limit	Level			Preamp Factor	Cable Loss	Remark	Ant Pos	Table Pos
	MHz	dB	dBu∜/m	dBu∛/m	dB/m	dB	dB		сп	deg
1 2 3 x	5150.00 5150.00 5322.00		57. 25 45. 05 91. 09		33. 71 33. 71 33. 94	45. 91 45. 91 46. 14	5.00	Peak Average Average	0	0
4 X 5	5322.00 5350.00 5350.00		100.48 59.65		33. 94 33. 99 33. 99	46.14 46.19	5. 12 5. 14	Peak Peak Average	0 0 0	ŏ O O





Trace: (Discrete)

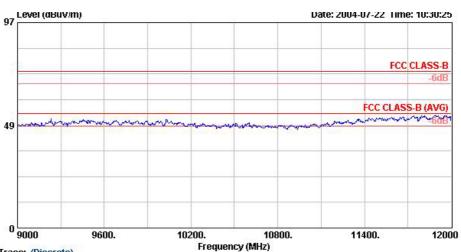
03CH06

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

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

SPORTON International Inc.

FCC ID : H9PWSAP5100 : 70 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004

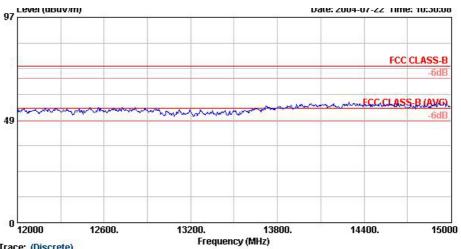


Trace: (Discrete)

03CH06 Site

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

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 HORIZONTAL

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

FCC ID : H9PWSAP5100 : 71 of 114 TEL: 886-2-2696-2468 Page No. FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004

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15000 Trace: (Discrete)

03CH06

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

15600.

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

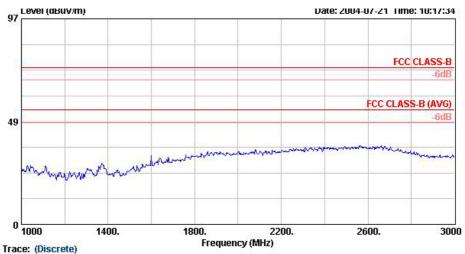
Site

Over LimitAntenna Preamp Freq Level Limit Line Factor Factor Cable Ant Table Loss Remark Pos Pos MHz dBuV/m dB dBu∜/m dB/m dB dB СD deg 1 @ 2 @ 9.60 Peak 9.60 Average

Frequency (MHz)

16200.

16800.



: 03CH06 Site

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

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

SPORTON International Inc.

FCC ID : H9PWSAP5100 TEL: 886-2-2696-2468 Page No. : 72 of 114 FAX: 886-2-2696-2255 Issued Date : Aug. 10, 2004