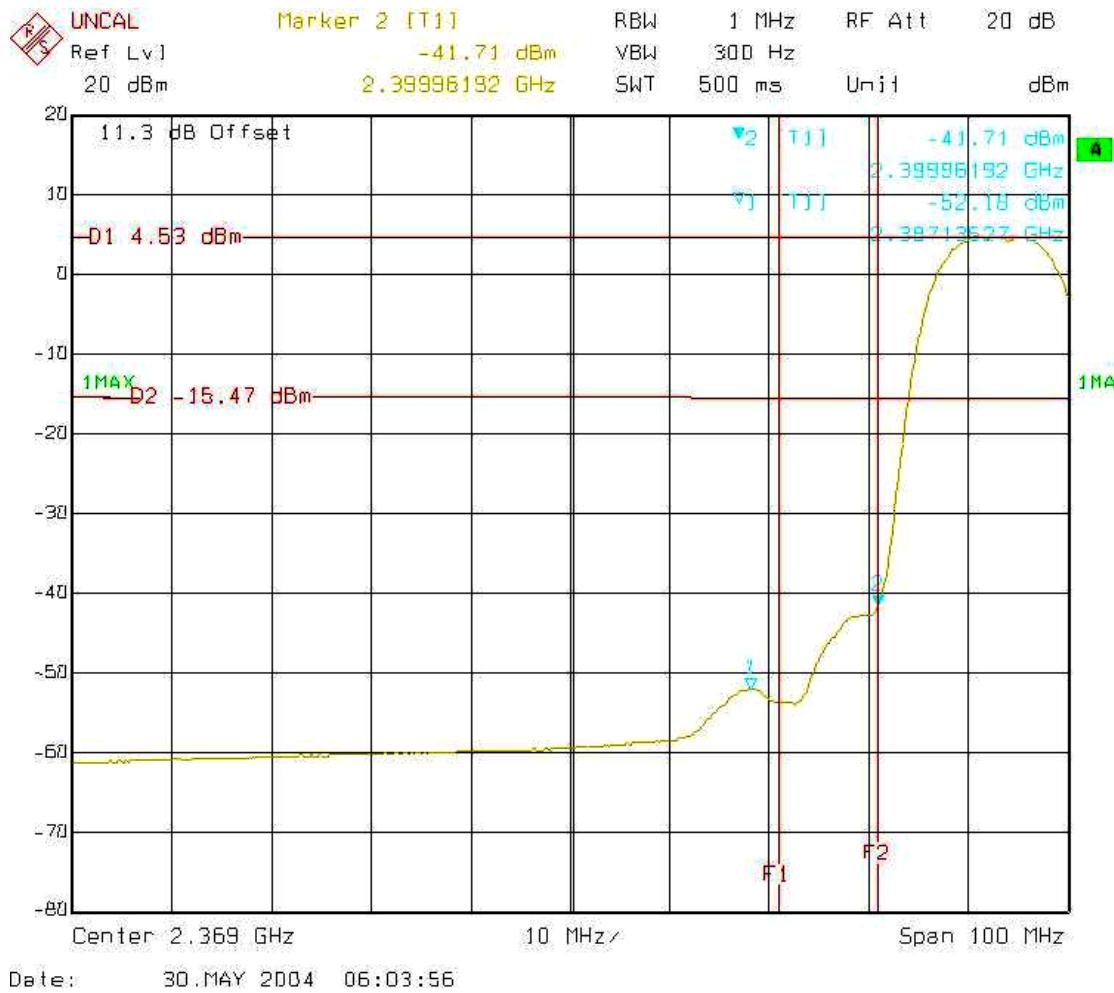




FCC ID: RC6AWI-926W  
Issued on Jun. 05, 2004

Report No.: F452117

Modulation Type: CCK(Channel 01) :



Observation : All emissions in the 100kHz bandwidth are 20dB lower than the carrier strength.

**SPORTON International Inc.**

TEL : 886-2-2696-2468

FAX : 886-2-2696-2255

FCC ID. : RC6AWI-926W

Page No. : 23 of 48

Issued Date : Jun. 05, 2004

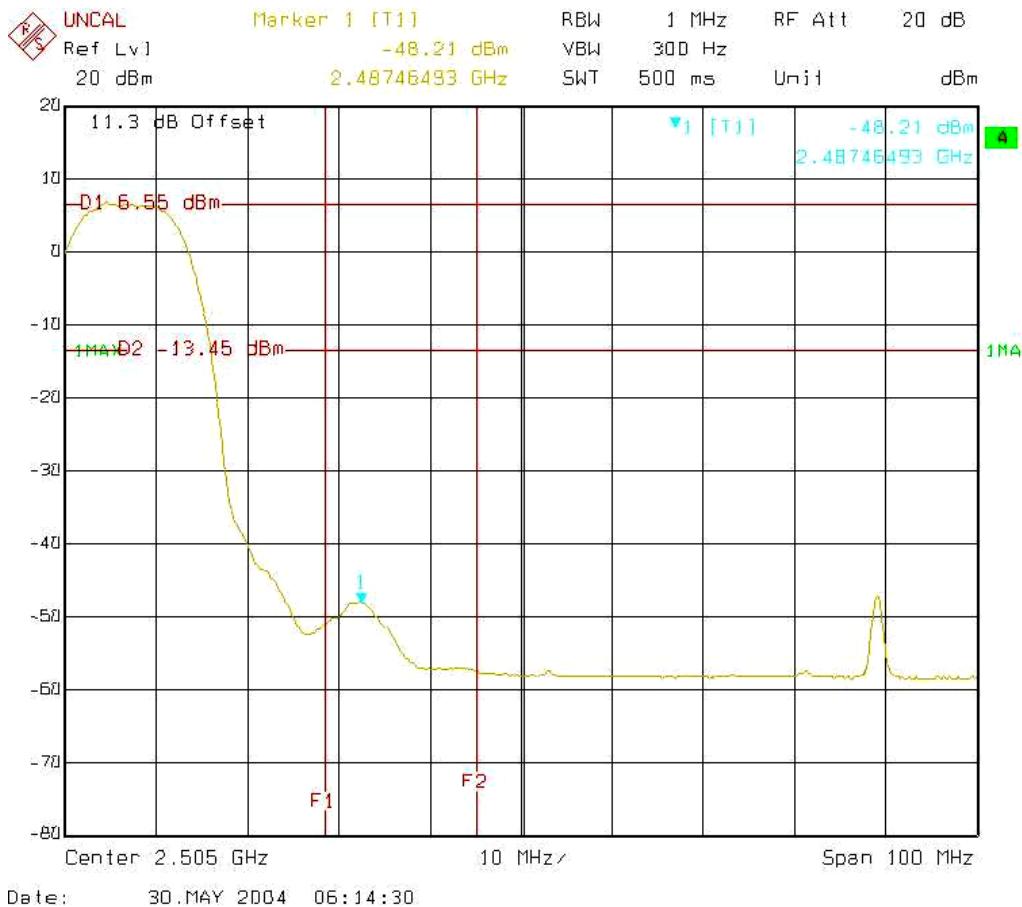
### (B) Right Edge

The band edge emission plot shows 54.76dB delta between carrier maximum power and local maximum emission in the restricted band.

CH11 Carrier Power Strength (dBuV/m)	Delta (dB)	The Maximum Field Strength in Restrict Band (dBuV/m)	Limit (dBuV/m)	Margin (dB)
95.82	54.76	41.06	54.00	-12.94

\* The maximum field strength in restricted band is the emission of carrier power strength subtract to the delta between carrier maximum power and local maximum emission in the restricted band.

Modulation Type: CCK (Channel 11) :



Observation : All emissions in the 100kHz bandwidth are 20dB lower than the carrier strength.



#### 5.4.4. Test Result :

- Modulation Type: OFDM
- Test Engineer: Murray Lu

##### (A) Left Edge

The band edge emission plot shows 53.08dB delta between carrier maximum power and local maximum emission in the restricted band.

CH01 Carrier Power Strength (dBuV/m)	Delta (dB)	The Maximum Field Strength in Restrict Band (dBuV/m)	Limit (dBuV/m)	Margin (dB)
60.45	53.08	7.37	54.00	-46.63

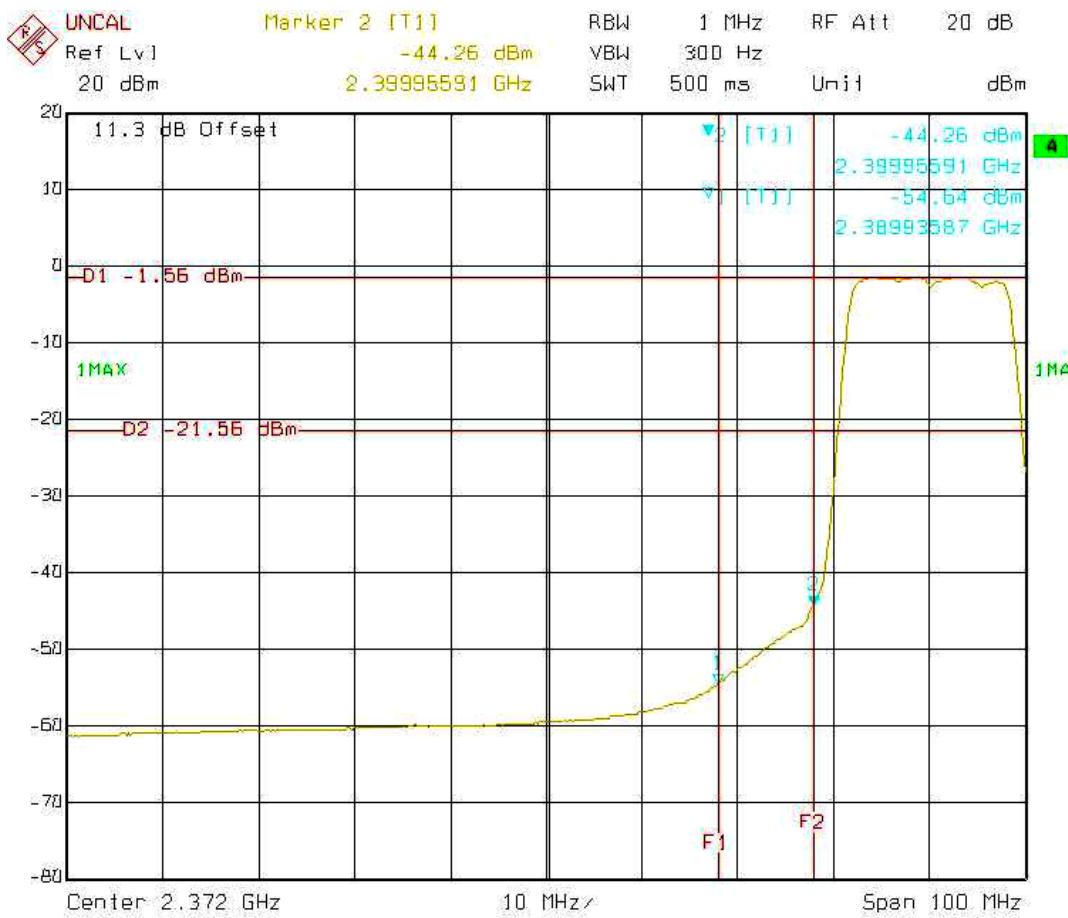
\*The maximum field strength in restricted band is the emission of carrier power strength subtract to the delta between carrier maximum power and local maximum emission in the restricted band



FCC ID: RC6AWI-926W  
Issued on Jun. 05, 2004

Report No.: F452117

Modulation Type: OFDM (Channel 01) :



Date: 30.MAY.2004 06:57:59

**SPORTON International Inc.**

TEL : 886-2-2696-2468  
FAX : 886-2-2696-2255

FCC ID. : RC6AWI-926W  
Page No. : 26 of 48  
Issued Date : Jun. 05, 2004



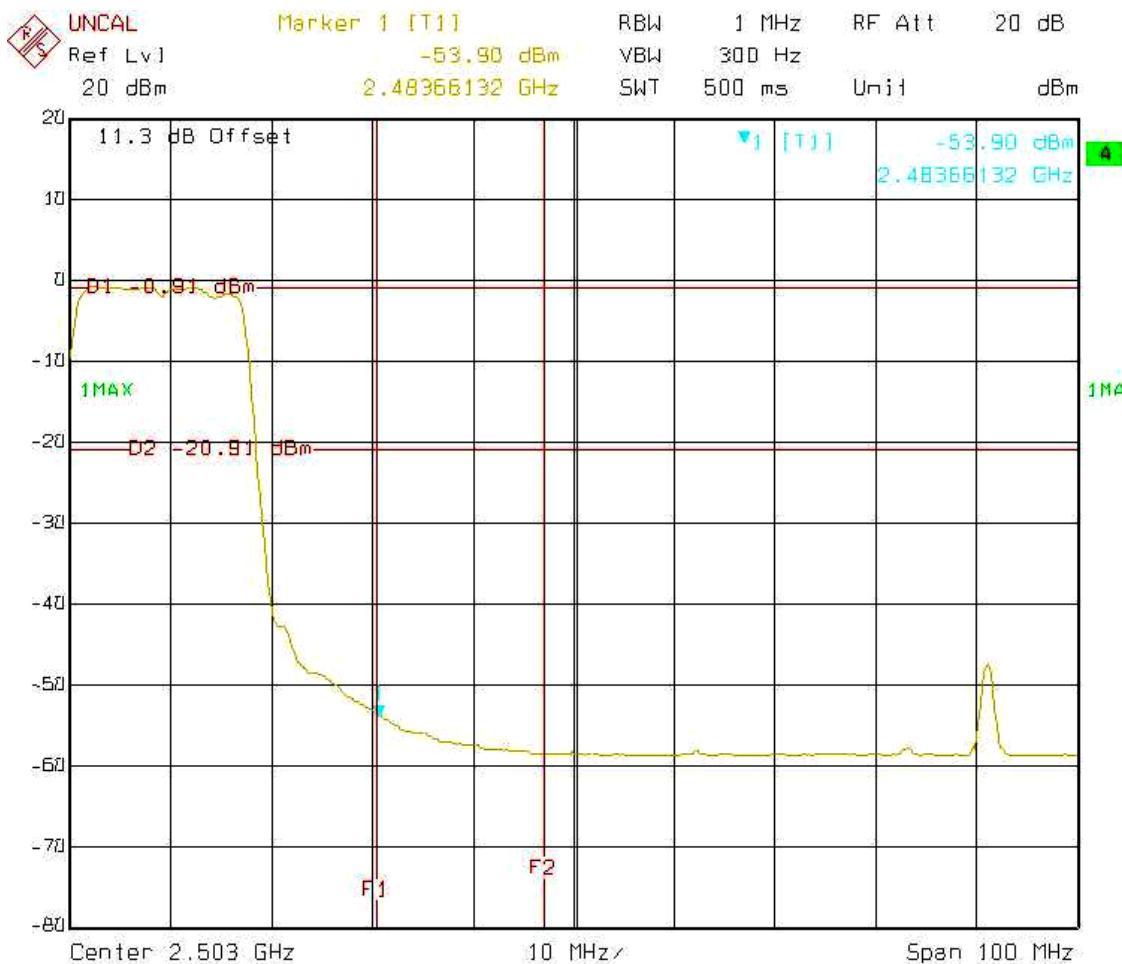
(B) Right Edge

The band edge emission plot shows 52.99dB delta between carrier maximum power and local maximum emission in the restricted band.

CH11 Carrier Power Strength (dBuV/m)	Delta (dB)	The Maximum Field Strength in Restrict Band (dBuV/m)	Limit (dBuV/m)	Margin (dB)
60.71	52.99	7.72	54.00	-46.28

\* The maximum field strength in restricted band is the emission of carrier power strength subtract to the delta between carrier maximum power and local maximum emission in the restricted band

Modulation Type: OFDM (Channel 11) :



Date: 30.MAY.2004 07:07:16

Observation : All emissions in the 100kHz bandwidth are 20dB lower than the carrier strength.



## 5.5. Test of AC Power Line Conducted Emission

### 5.5.1. Measuring Instruments

Please reference item 1~7 in chapter 6 for the instruments used for testing.

### 5.5.2. Test Procedures

1. Configure the EUT according to ANSI C63.4.
2. The EUT has to be placed 0.4 meter far from the conducting wall of the shielding room and at least 80 centimeters from any other grounded conducting surface.
3. Connect EUT to the power mains through a line impedance stabilization network (LISN).
4. All the support units are connected to the other LISNs. The LISN should provides 50uH/50ohms coupling impedance.
5. The frequency range from 150 KHz to 30 MHz was searched.
6. Use the Channel & Power Controlling software to make the EUT working on selected channel and expected output power, then use the "H" Patter Generator software to make the supporting equipments stay on working condition.
7. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
8. The measurement has to be done between each power line and ground at the power terminal for each RF channel. Only one RF channel has to be investigated since this test is independent with the RF channel selection.



### 5.5.3. Test Result of Conducted Emission

Test Mode	RF LINK	Tested By	
Temperature / Humidity	26deg. C / 56%		Brian Lin

#### *Line to Ground*

Freq	Level	Over	Limit	Read	LISN	Cable	Remark
		MHz	dBuV	dB	dBuV	dBuV	
1	0.1604520	41.74	-23.70	65.44	41.63	0.10	0.01 QP
2	0.1604520	33.14	-22.30	55.44	33.03	0.10	0.01 Average
3	0.1860800	39.27	-24.94	64.21	39.16	0.10	0.01 QP
4	0.1860800	36.56	-17.65	54.21	36.45	0.10	0.01 Average
5	0.2939830	32.48	-27.93	60.41	32.36	0.10	0.02 QP
6	0.2939830	28.89	-21.52	50.41	28.77	0.10	0.02 Average
7	0.3976320	29.11	-28.79	57.90	28.99	0.10	0.02 QP
8	0.3976320	25.28	-22.62	47.90	25.16	0.10	0.02 Average
9	12.706	28.62	-21.38	50.00	28.32	0.16	0.14 Average
10	12.706	34.98	-25.02	60.00	34.68	0.16	0.14 QP
11	13.431	33.45	-26.55	60.00	33.13	0.17	0.15 QP
12	13.431	28.18	-21.82	50.00	27.86	0.17	0.15 Average

#### *Neutral to Ground*

Freq	Level	Over	Limit	Read	LISN	Cable	Remark
		MHz	dBuV	dB	dBuV	dBuV	
1	0.1598470	42.54	-22.93	65.47	42.43	0.10	0.01 QP
2	0.1598470	34.40	-21.07	55.47	34.29	0.10	0.01 Average
3	0.1866800	36.93	-27.25	64.18	36.82	0.10	0.01 QP
4	0.1866800	34.59	-19.59	54.18	34.48	0.10	0.01 Average
5	0.2403720	31.33	-30.75	62.08	31.22	0.10	0.01 QP
6	0.2403720	25.15	-26.93	52.08	25.04	0.10	0.01 Average
7	0.2939830	32.20	-28.21	60.41	32.08	0.10	0.02 QP
8	0.2939830	29.13	-21.28	50.41	29.01	0.10	0.02 Average
9	11.500	32.49	-27.51	60.00	32.16	0.20	0.13 QP
10	11.500	30.65	-19.35	50.00	30.32	0.20	0.13 Average
11	26.958	33.35	-26.65	60.00	32.53	0.59	0.23 QP
12	26.958	29.66	-20.34	50.00	28.84	0.59	0.23 Average

#### 5.5.4. Photographs of Conducted Emission Test Configuration

- The photographs show the configuration that generates the maximum emission.

Mode 1

FRONT VIEW



REAR VIEW

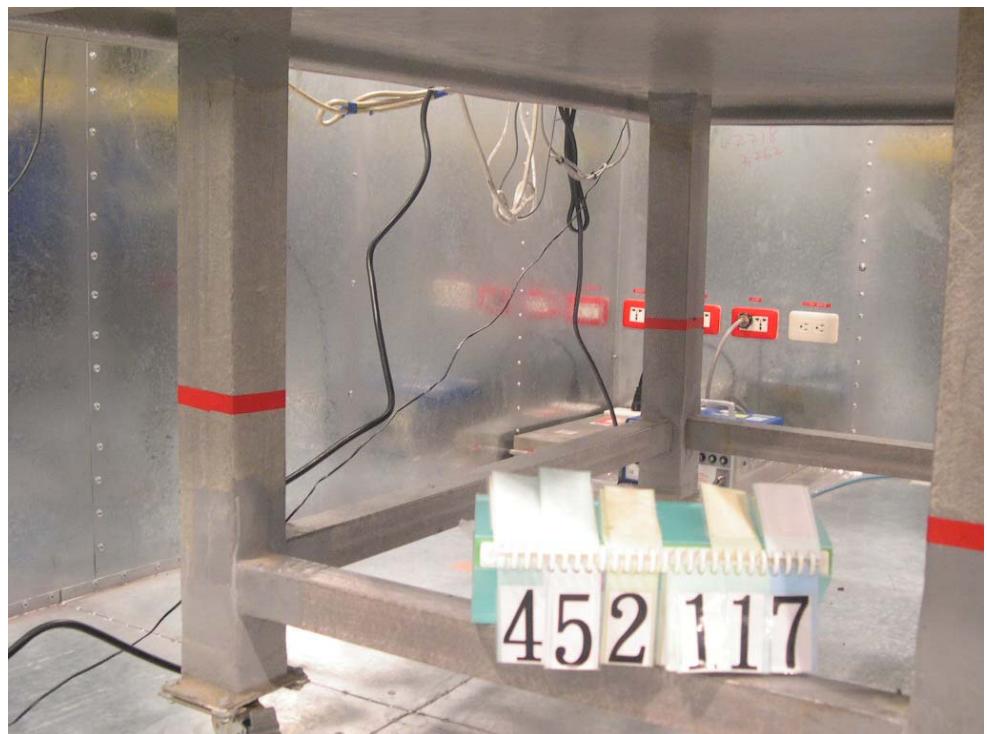




**FCC ID: RC6AWI-926W**  
Issued on Jun. 05, 2004

Report No.: F452117

SIDE VIEW



---

***SPORTON International Inc.***

TEL : 886-2-2696-2468

FAX : 886-2-2696-2255

FCC ID. : RC6AWI-926W

Page No. : 31 of 48

Issued Date : Jun. 05, 2004



**FCC ID: RC6AWI-926W**  
Issued on Jun. 05, 2004

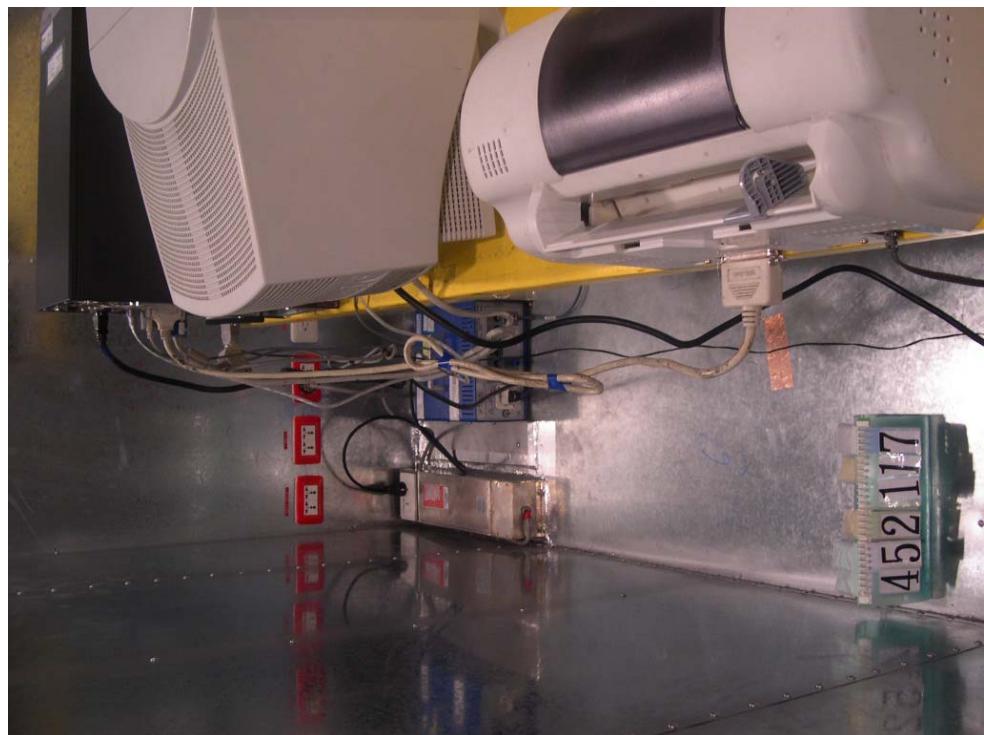
Report No.: F452117

Mode 2

FRONT VIEW



REAR VIEW



---

**SPORTON International Inc.**

TEL : 886-2-2696-2468  
FAX : 886-2-2696-2255

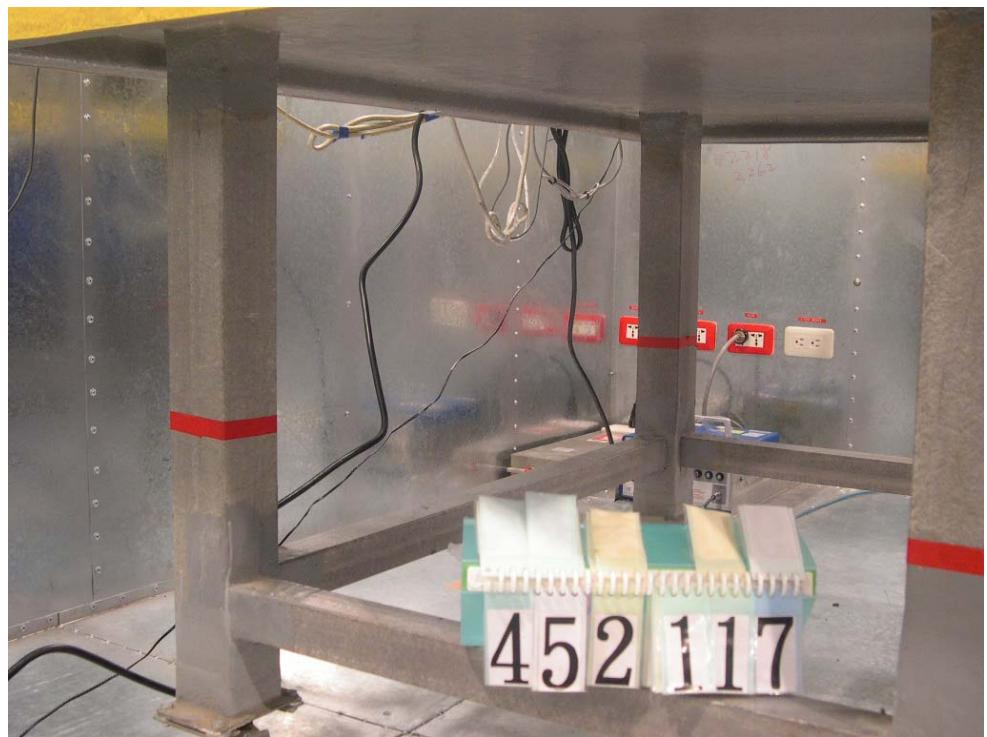
FCC ID. : RC6AWI-926W  
Page No. : 32 of 48  
Issued Date : Jun. 05, 2004



**FCC ID: RC6AWI-926W**  
Issued on Jun. 05, 2004

Report No.: F452117

SIDE VIEW



---

***SPORTON International Inc.***

TEL : 886-2-2696-2468

FAX : 886-2-2696-2255

FCC ID. : RC6AWI-926W

Page No. : 33 of 48

Issued Date : Jun. 05, 2004



**FCC ID: RC6AWI-926W**  
Issued on Jun. 05, 2004

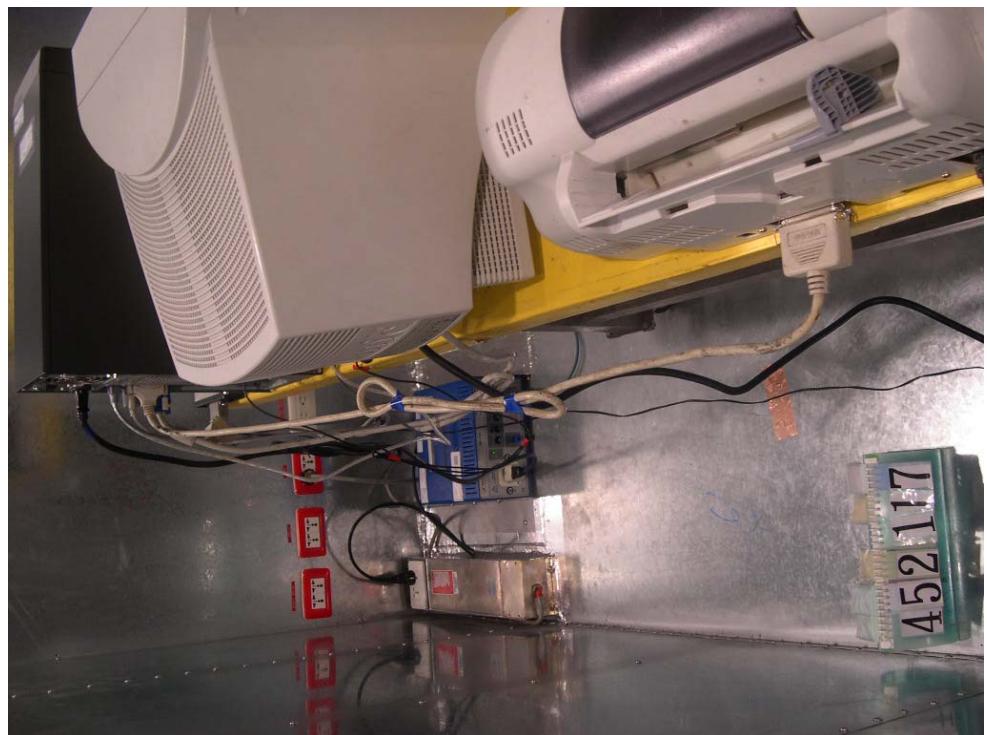
Report No.: F452117

Mode 3

FRONT VIEW



REAR VIEW



---

**SPORTON International Inc.**

TEL : 886-2-2696-2468  
FAX : 886-2-2696-2255

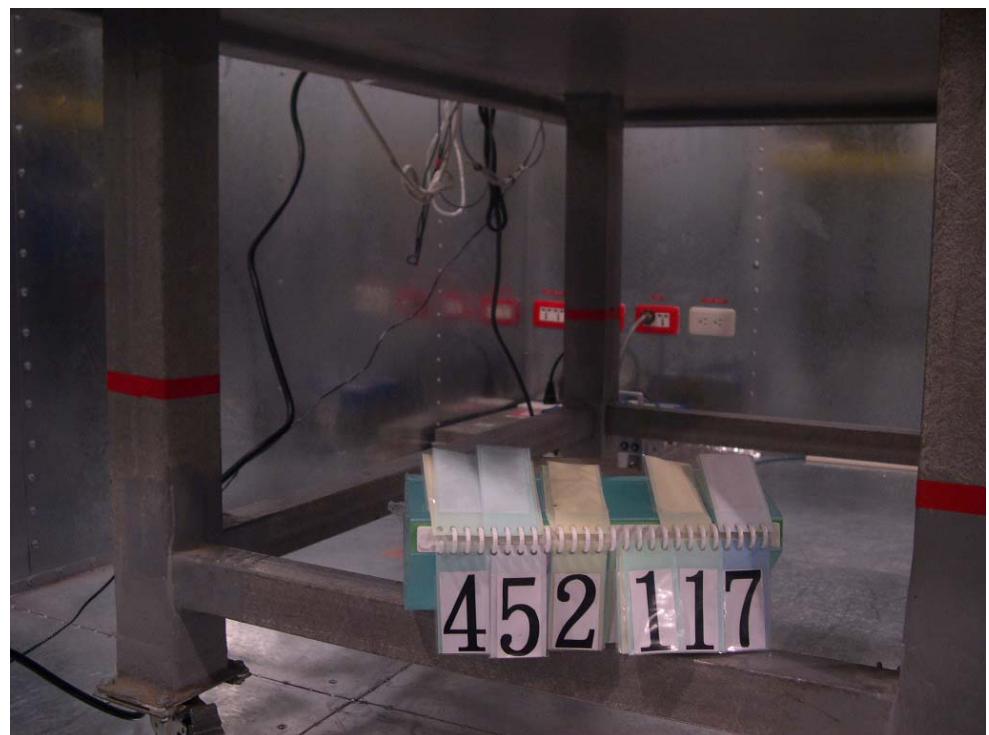
FCC ID. : RC6AWI-926W  
Page No. : 34 of 48  
Issued Date : Jun. 05, 2004



**FCC ID: RC6AWI-926W**  
Issued on Jun. 05, 2004

Report No.: F452117

SIDE VIEW



---

***SPORTON International Inc.***

TEL : 886-2-2696-2468

FAX : 886-2-2696-2255

FCC ID. : RC6AWI-926W

Page No. : 35 of 48

Issued Date : Jun. 05, 2004



## 5.6. Test of Spurious Radiated Emission

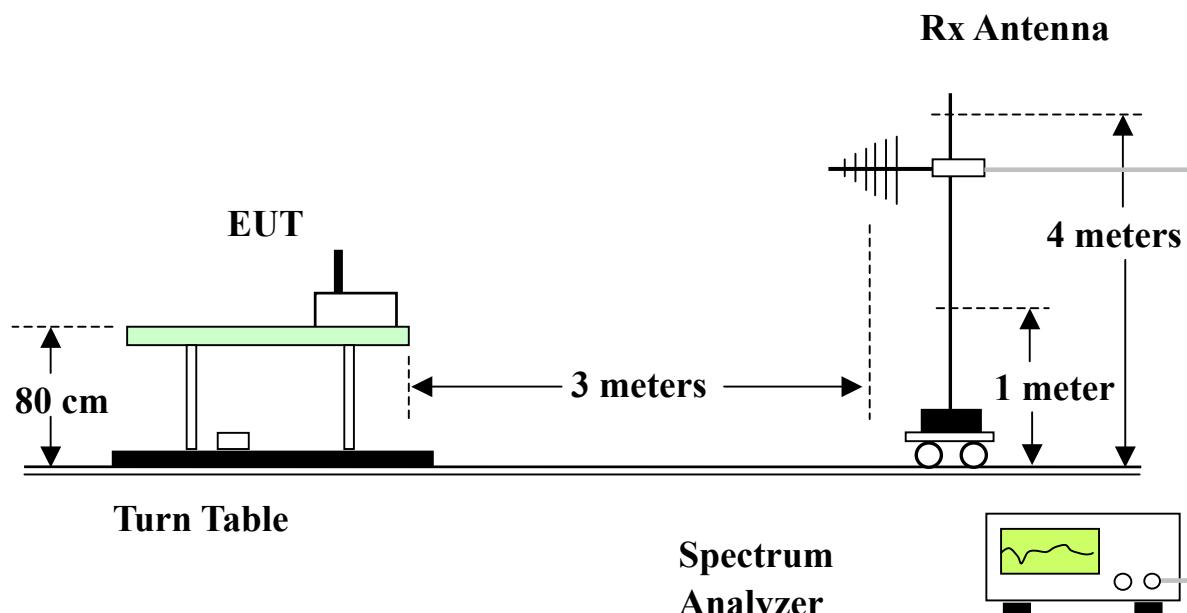
### 5.6.1. Measuring Instruments

Please reference item 8~19 in chapter 6 for the instruments used for testing.

### 5.6.2. Test Procedures

- a) Configure the EUT according to ANSI C63.4.
- b) The EUT was placed on the top of the turn table 0.8 meter above ground.
- c) The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turn table.
- d) Power on the EUT and all the supporting units.
- e) The turn table was rotated by 360 degrees to determine the position of the highest radiation.
- f) The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emission field strength of both horizontal and vertical polarization.
- g) For each suspected emission, the antenna tower was scan (from 1 M to 4 M) and then the turn table was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- h) Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- i) For emission above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
- j) If the emission level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz and average method for above the 1GHz. the reported.
- k) For testing above 1GHz, the emission level of the EUT in peak mode was 20dB higher than average limit (that means the emission level in peak 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.

### 5.6.3. Test Setup Layout





#### 5.6.4. Test Results and Limit

**Note:**

Emission level (dB<sub>uV/m</sub>) = 20 log Emission level (uV/m)

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

<b>Test Mode</b>	OFDM Channel 11	<b>Temperature</b>	25 deg. C	<b>Tested By</b>	Steve Chen
<b>Freq. Range</b>	30MHz~1GHz	<b>Humidity</b>	65%		

#### (A) *Polarization: Horizontal*

Freq	Level	Over Limit		Read Line	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant	Table
		MHz	dB <sub>uV/m</sub>	dB	dB <sub>uV/m</sub>	dB	dB	dB	Pos	Pos
1	180.110	28.20	-15.30	43.50	39.95	13.56	2.43	27.74 QP	---	---
2	186.740	25.93	-17.57	43.50	36.97	14.23	2.46	27.73 QP	---	---
3	194.900	28.90	-14.60	43.50	39.42	14.68	2.51	27.71 QP	100	135
1	218.400	29.49	-16.51	46.00	40.28	14.19	2.65	27.63 QP	---	---
2	228.000	26.45	-19.55	46.00	37.72	13.60	2.72	27.59 QP	---	---
3	960.000	29.14	-16.86	46.00	29.79	21.92	5.67	28.24 QP	---	---

#### (B) *Polarization: Vertical*

Freq	Level	Over Limit		Read Line	Probe Factor	Cable Loss	Preamp Factor	Remark	Ant	Table
		MHz	dB <sub>uV/m</sub>	dB	dB <sub>uV/m</sub>	dB	dB	dB	Pos	Pos
1	67.740	23.52	-16.48	40.00	41.11	8.98	1.39	27.96 QP	---	---
2	164.980	28.65	-14.85	43.50	41.13	12.97	2.32	27.77 QP	---	---
3	195.070	24.87	-18.63	43.50	35.38	14.69	2.51	27.71 QP	---	---
1	218.400	25.10	-20.90	46.00	35.89	14.19	2.65	27.63 QP	---	---
2	308.000	27.30	-18.70	46.00	37.85	13.67	3.12	27.34 QP	---	---
3	960.800	30.06	-23.94	54.00	30.71	21.92	5.67	28.24 QP	---	---



FCC ID: RC6AWI-926W

Issued on Jun. 05, 2004

Report No.: F452117

Modulation Type	CCK									
Test Mode	Mode 1 ( 2412MHz )			Temperature	25 deg. C			Tested By	Steve Chen	
Freq. Range	1GHz~25GHz			Humidity	65%					

**(A) Polarization: Horizontal**

Freq	Level	Over Limit		Read Line		Probe Factor	Cable Preamp		Ant Remark	Table Pos	Table Pos
		MHz	dBuV/m	dB	dBuV/m		dBuV	dB			
1	2038.000	42.82	-11.18	54.00	54.89	27.21	1.65	40.93	Average	---	---
2	2374.000	39.09	-14.91	54.00	50.41	28.10	1.71	41.13	Average	---	---
3	2900.000	40.92	-13.08	54.00	50.33	29.85	1.94	41.20	Average	---	---
1	4076.000	43.54	-10.46	54.00	49.90	32.66	2.55	41.57	Average	---	---
2	4822.000	47.95	-26.05	74.00	54.62	33.23	2.47	42.37	Peak	---	---

**(B) Polarization: Vertical**

Freq	Level	Over Limit		Read Line		Probe Factor	Cable Preamp		Ant Remark	Table Pos	Table Pos
		MHz	dBuV/m	dB	dBuV/m		dBuV	dB			
1	2038.000	41.45	-12.55	54.00	53.52	27.21	1.65	40.93	Average	---	---
2	2382.000	42.84	-11.16	54.00	54.15	28.12	1.71	41.14	Average	---	---
3	2572.000	46.72	-7.28	54.00	57.33	28.69	1.90	41.20	Average	---	---
1	4822.000	49.40	-4.60	54.00	56.07	33.23	2.47	42.37	Average	102	156



FCC ID: RC6AWI-926W  
Issued on Jun. 05, 2004

Report No.: F452117

<b>Modulation Type</b>	CCK									
<b>Test Mode</b>	Mode 2 ( 2437MHz )			<b>Temperature</b>	25 deg. C			<b>Tested By</b>	Steve Chen	
<b>Freq. Range</b>	1GHz~25GHz			<b>Humidity</b>	65%					

**(A) Polarization: Horizontal**

Freq	Level	Over Limit		Read Level		Probe Factor		Cable Loss		Preamp Factor	Remark	Ant Pos	Table Pos
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB				
1	2062.000	44.09	-9.91	54.00	56.10	27.27	1.66	40.94	Average	---	---	---	---
2	2350.000	39.00	-15.00	54.00	50.40	28.04	1.68	41.12	Average	---	---	---	---
3	2900.000	40.53	-13.47	54.00	49.94	29.85	1.94	41.20	Average	---	---	---	---
1	4876.000	43.60	-10.40	54.00	50.17	33.35	2.52	42.44	Average	---	---	---	---

**(B) Polarization: Vertical**

Freq	Level	Over Limit		Read Level		Probe Factor		Cable Loss		Preamp Factor	Remark	Ant Pos	Table Pos
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB				
1	2062.000	47.72	-6.28	54.00	59.73	27.27	1.66	40.94	Average	121	138	---	---
2	2358.000	41.56	-12.44	54.00	52.93	28.06	1.69	41.12	Average	---	---	---	---
3	2566.000	47.25	-6.75	54.00	57.89	28.67	1.89	41.20	Average	---	---	---	---
4	2812.000	46.49	-27.51	74.00	56.19	29.54	1.96	41.20	Peak	---	---	---	---
1	4876.000	47.42	-6.58	54.00	53.99	33.35	2.52	42.44	Average	---	---	---	---



FCC ID: RC6AWI-926W  
Issued on Jun. 05, 2004

Report No.: F452117

Modulation Type	CCK							
Test Mode	Mode 3 ( 2462MHz )			Temperature		25 deg. C	Tested By	Steve Chen
Freq. Range	1GHz~25GHz		Humidity		65%			

**(A) Polarization: Horizontal**

Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Ant Pos	Table Pos
		Line	Limit	Level	Factor	Loss	Factor		
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	cm	deg
1	2086.000	44.12	-9.88	54.00	56.08	27.34	1.66	40.96 Average	---
2	2358.000	38.98	-15.02	54.00	50.35	28.06	1.69	41.12 Average	---
3	2900.000	40.61	-13.39	54.00	50.02	29.85	1.94	41.20 Average	---
1	4924.000	43.92	-10.08	54.00	50.50	33.46	2.47	42.51 Average	---

**(B) Polarization: Vertical**

Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Ant Pos	Table Pos
		Line	Limit	Level	Factor	Loss	Factor		
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	cm	deg
1	2086.000	46.45	-7.55	54.00	58.41	27.34	1.66	40.96 Average	---
2	2348.000	42.67	-11.33	54.00	54.08	28.03	1.68	41.12 Average	---
3	2606.000	46.76	-7.24	54.00	57.23	28.81	1.92	41.20 Average	---
1	4924.000	46.84	-7.16	54.00	53.42	33.46	2.47	42.51 Average	102 149



FCC ID: RC6AWI-926W

Issued on Jun. 05, 2004

Report No.: F452117

<b>Modulation Type</b>	OFDM										
<b>Test Mode</b>	Mode 1 ( 2412MHz )			<b>Temperature</b>		25 deg. C		<b>Tested By</b>		Steve Chen	
<b>Freq. Range</b>	1GHz~25GHz			<b>Humidity</b>		65%					

**(A) Polarization: Horizontal**

Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Ant	Table	Pos	Pos
		Limit	Line	Level	Factor	Loss	Factor				
1	1150.000	37.46	-16.54	54.00	52.25	24.25	1.22	40.26	Average	---	---
2	2038.000	43.35	-10.65	54.00	55.42	27.21	1.65	40.93	Average	---	---
3	2382.000	42.03	-11.97	54.00	53.34	28.12	1.71	41.14	Average	---	---
1	3062.000	41.16	-12.84	54.00	50.03	30.34	2.00	41.21	Average	---	---
2	4076.000	43.94	-10.06	54.00	50.30	32.66	2.55	41.57	Average	---	---

**(B) Polarization: Vertical**

Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Ant	Table	Pos	Pos
		Limit	Line	Level	Factor	Loss	Factor				
1	2038.000	41.12	-12.88	54.00	53.19	27.21	1.65	40.93	Average	---	---
2	2380.000	43.84	-10.16	54.00	55.15	28.11	1.71	41.13	Average	---	---
3	2518.000	45.60	-8.40	54.00	56.43	28.51	1.86	41.20	Average	105	223
4	2774.000	41.64	-32.36	74.00	51.49	29.41	1.94	41.20	Peak	---	---
1	4828.000	45.28	-8.72	54.00	51.93	33.24	2.49	42.38	Average	---	---



FCC ID: RC6AWI-926W  
Issued on Jun. 05, 2004

Report No.: F452117

<b>Modulation Type</b>	OFDM									
<b>Test Mode</b>	Mode 2 ( 2437MHz )			<b>Temperature</b>		25 deg. C		<b>Tested By</b>	Steve Chen	
<b>Freq. Range</b>	1GHz~25GHz			<b>Humidity</b>		65%				

**(A) Polarization: Horizontal**

Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Ant	Table	Table
		Line	Limit	Level	Factor	Loss	Factor		Pos	
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	cm
1	1150.000	38.08	-15.92	54.00	52.87	24.25	1.22	40.26	Average	---
2	2062.000	44.44	-9.56	54.00	56.45	27.27	1.66	40.94	Average	---
3	2350.000	38.05	-15.95	54.00	49.45	28.04	1.68	41.12	Average	---
1	3268.000	45.30	-8.70	54.00	53.59	30.80	2.17	41.26	Average	---
2	4382.000	42.16	-11.84	54.00	48.99	32.54	2.45	41.82	Average	---

**(B) Polarization: Vertical**

Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Ant	Table	Table
		Line	Limit	Level	Factor	Loss	Factor		Pos	
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	cm
1	2062.000	45.11	-8.89	54.00	57.12	27.27	1.66	40.94	Average	---
2	2364.000	42.01	-11.99	54.00	53.36	28.07	1.70	41.12	Average	---
3	2524.000	46.54	-7.46	54.00	57.34	28.53	1.87	41.20	Average	102 131
1	3332.000	42.83	-11.17	54.00	51.00	30.94	2.16	41.27	Average	---
2	4126.000	43.16	-10.84	54.00	49.64	32.64	2.49	41.61	Average	---
3	4862.000	45.10	-8.90	54.00	51.67	33.32	2.53	42.42	Average	---



FCC ID: RC6AWI-926W  
Issued on Jun. 05, 2004

Report No.: F452117

Modulation Type	OFDM							
Test Mode	Mode 3 ( 2462MHz )			Temperature	25 deg. C		Tested By	Steve Chen
Freq. Range	1GHz~25GHz		Humidity		65%			

**(A) Polarization: Horizontal**

Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Ant Pos	Table Pos
		Limit	Line	Level	Factor	Loss	Factor		
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	cm	deg
1	1150.000	38.18	-15.82	54.00	52.97	24.25	1.22	40.26	Average
2	2086.000	43.73	-10.27	54.00	55.69	27.34	1.66	40.96	Average
3	2462.000	43.06	-10.94	54.00	54.12	28.33	1.79	41.18	Average
1	3332.000	42.93	-11.07	54.00	51.10	30.94	2.16	41.27	Average
2	4174.000	43.94	-10.06	54.00	50.52	32.63	2.44	41.65	Average

**(B) Polarization: Vertical**

Freq	Level	Over	Limit	Read	Probe	Cable	Preamp	Ant Pos	Table Pos
		Limit	Line	Level	Factor	Loss	Factor		
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	cm	deg
1	2086.000	47.30	-6.70	54.00	59.26	27.34	1.66	40.96	Average
2	2372.000	42.87	-11.13	54.00	54.21	28.09	1.70	41.13	Average
3	2542.000	48.48	-5.52	54.00	59.21	28.59	1.88	41.20	Average

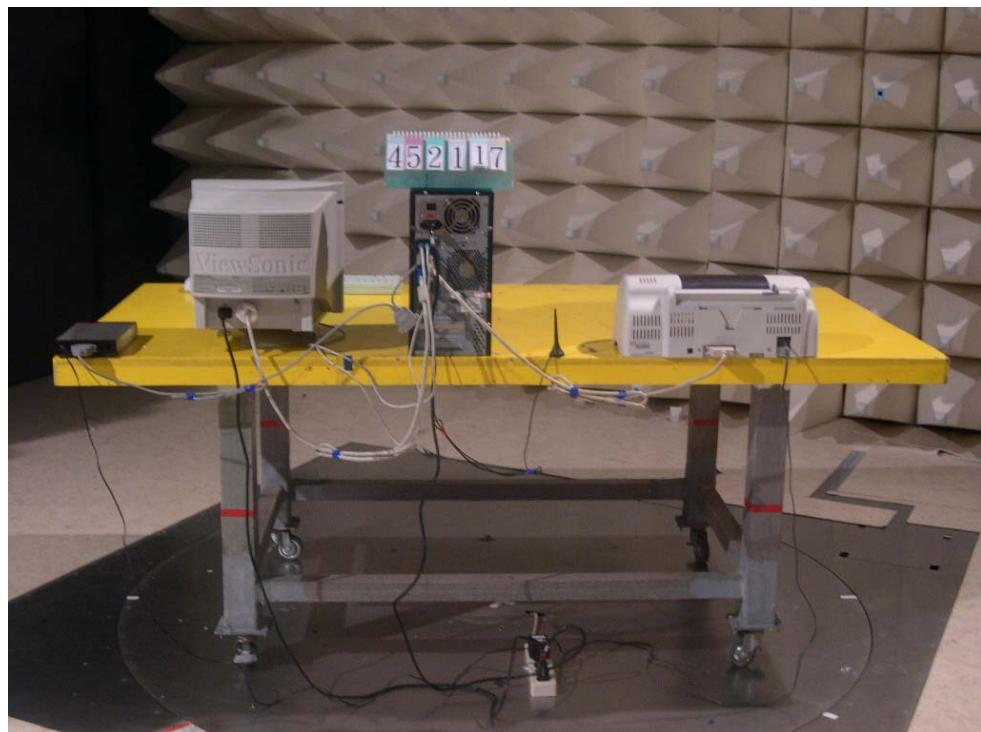
## 5.6.5. Photographs of Radiated Emission Test Configuration

- The photographs show the configuration that generates the maximum emission.

FRONT VIEW



REAR VIEW





## 5.7. Antenna Requirements

### 5.7.1. Standard Applicable

47 CFR Part15 Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

47 CFR Part15 Section 15.247 (b):

If transmitting antennas of directional gain greater than 6 dBi are used, the peak output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

If the intentional radiator is used exclusively for fixed, point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum peak output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

### 5.7.2. Antenna Connected Construction

The antennas used in this product are monopole antenna with Reverse SMA Plug connector.



SPORTON LAB.

FCC ID: RC6AWI-926W  
Issued on Jun. 05, 2004

Report No.: F452117

## 6. List of Measuring Equipments Used

Items	Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
1	EMC Receiver	R&S	ESCS 30	100132	9 KHz – 2.75 GHz	Jun. 12, 2003	Conduction (CO01-HY)
2	LISN	MessTec	NNB-2/16Z	2001/008	9 KHz – 30 MHz	May 03, 2004	Conduction (CO01-HY)
3	LISN	MessTec	NNB-2/16Z	2001/009	9 KHz – 30 MHz	Apr. 19, 2004	Conduction (CO01-HY)
4	EMI Filter	LINDGREN	LRE-2060	1004	< 450 Hz	N/A	Conduction (CO01-HY)
5	EMI Filter	LINDGREN	N6006	201052	0 ~ 60 Hz	N/A	Conduction (CO01-HY)
6	RF Cable-CON	Suhner Switzerland	RG223/U	CB029	9KHz~30MHz	Dec. 24, 2003	Conduction (CO01-HY)
7	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	Jun. 21, 2003	Radiation (03CH03-HY)
8	Spectrum analyzer	R&S	FSP40	100004	9KHZ~40GHz	Aug. 23, 2003	Radiation (03CH03-HY)
9	Amplifier	HP	8447D	2944A09072	100KHz – 1.3GHz	Nov. 05, 2003	Radiation (03CH03-HY)
10	Biconical Antenna	SCHWARZBECK	VHBB 9124	301	30MHz –200MHz	Jul. 24, 2003	Radiation (03CH03-HY)
11	Log Antenna	SCHWARZBECK	VUSLP 9111	221	200MHz -1GHz	Jul. 24, 2003	Radiation (03CH03-HY)
12	RF Cable-R03m	Jye Bao	RG142	CB021	30MHz~1GHz	Dec. 03, 2003	Radiation (03CH03-HY)
13	Amplifier	MITEQ	AFS44	879981	100MHz~26.5GHz	Jul. 23, 2003	Radiation (03CH03-HY)
14	Horn Antenna	COM-POWER	3115	6741	1GHz – 18GHz	Apr. 07, 2004	Radiation (03CH03-HY)
15	Turn Table	HD	DS 420	420/650/00	0 ~ 360 degree	N/A	Radiation (03CH03-HY)
16	Antenna Mast	HD	MA 240	240/560/00	1 m - 4 m	N/A	Radiation (03CH03-HY)
17	Horn Antenna	Schwarzbeck	BBHA9170	154	15GHz~40GHz	Jun. 01, 2004	Radiation (03CH03-HY)
18	RF Cable-HIGH	Jye Bao	RG142	CB030-HIGH	1GHz~29.5GHz	Dec. 05, 2003	Radiation (03CH03-HY)

※ Calibration Interval of instruments listed above is one year.



**FCC ID: RC6AWI-926W**  
Issued on Jun. 05, 2004

Report No.: F452117

Items	Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
19	Spectrum analyzer	R&S	FSP7	838858/014	9KHZ~7GHZ	Sep. 03, 2003	Conducted
20	Power meter	R&S	NRVS	100444	DC~40GHz	May 27, 2004	Conducted
21	Power sensor	R&S	NRV-Z55	100049	DC~40GHz	May 27, 2004	Conducted
22	Power Sensor	R&S	NRV-Z32	100057	30MHz-6GHz	May 27, 2004	Conducted
23	AC power source	HPC	HPA-500W	HPA-9100024	AC 0~300V	May 26, 2004	Conducted
24	AC power source	G.W.	GPC-6030D	C671845	DC 1V~60V	Nov. 06, 2003	Conducted
25	Temp. and	KSON	THS-C3L	612	N/A	Oct. 01, 2003	Conducted
26	RF CABLE-1m	Jye Bao	RG142	CB034-1m	20MHz~7GHz	Jan. 01, 2004	Conducted
27	RF CABLE-2m	Jye Bao	RG142	CB035-2m	20MHz~1GHz	Jan. 01, 2004	Conducted

※ Calibration Interval of instruments listed above is one year.