# SPORTON INTERNATIONAL INC.



FCC TEST REPORT

**REPORT NO.: F951405** 

# **FCC TEST REPORT**

for

#### CISPR PUB.22 CLASS B

**EQUIPMENT**: MODEM CARD

MODEL NO. : PT-3517

FCC ID : H52PT-3517

FILING TYPE : ORIGINAL CERTIFICATION

APPLICANT : PURETEK INDUSTRIAL CO., LTD.

4F, No. 12, LANE 235, PAO-CHIAO RD. HSIN TIEN CITY, TAIPEI, TAIWAN, R.O.C.

- The test result refers exclusively to the test presented test model / sample.
- Without the written authorization of the test lab., the Test Report may not be copied.
- Certificate or Test Report must not be used by the applicant to claim the product in this test report endorsement by NVLAP or any agency of the U.S Government.

#### SPORTON INTERNATIONAL INC.

6F, No. 106, Sec. 1, Hsin Tai Wu Rd., Hsi Chih, Taipei Hsien, Taiwan, R.O.C.

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID : H52PT-3517

PAGE NUMBER : 1 OF 24

# **TABLE OF CONTENT**

SECTION TITLE	PAGE
CERTIFICATE OF COMPLIANCE	PAGE
1. GENERAL DESCRIPTION OF EQUIPMENT UNDER TEST	3
1.1. APPLICANT	4
1.2. MANUFACTURER	4
1.3. BASIC DESCRIPTION OF EQUIPMENT UNDER TEST	4
1.4. FEATURE OF EQUIPMENT UNDER TEST.	4
2. TEST CONFIGURATION OF EQUIPMENT UNDER TEST	5
2.1. TEST MANNER	6
2.2. DESCRIPTION OF TEST SYSTEM	6
2.3. CONNECTION DIAGRAM OF TEST SYSTEM	
3. TEST SOFTWARE	9
4. GENERAL INFORMATION OF TEST	10
4.1. TEST FACILITY	11
4.2. STANDARD FOR METHODS OF MEASUREMENT	11
4.3 .TEST IN COMPLIANCE WITH	11
4.4. FREQUENCY RANGE INVESTIGATED	11
4.5. TEST DISTANCE	11
5. TEST OF CONDUCTED POWERLINE	11
5.1. MAJOR MEASURING INSTRUMENTS	12
5.2. TEST PROCEDURES	12
5.3. TYPICAL TEST SETUP LAYOUT OF CONDUCTED POWERLINE	13
5.4. TEST RESULT OF AC POWERLINE CONDUCTED EMISSION	14
5.5. PHOTOGRAPHS OF CONDUCTED POWERLINE TEST CONFIGURATION	15
6. TEST OF RADIATED EMISSION	
6.1. MAJOR MEASURING INSTRUMENTS	18
6.2. TEST PROCEDURES	
6.3. TYPICAL TEST SETUP LAYOUT OF RADIATED EMISSION	19
6.4. Test Result of Radiated Emission	24
6.5. PHOTOGRAPHS OF RADIATED EMISSION TEST CONFIGURATION	27
7. ANTENNA FACTOR AND CABLE LOSS	22
8. LIST OF MEASURING INSTRUMENTS USED	4J

TEL: 886-2-2696-2468

# SPORTON INTERNATIONAL INC.





FCC TEST REPORT

**REPORT NO.: F951405** 

CERTIFICATE NO.: F951405

# CERTIFICATE OF COMPLIANCE

for

**CISPR PUB.22 CLASS B** 

EQUIPMENT: MODEM CARD

MODEL NO. : PT-3517

FCC ID : H52PT-3517

APPLICANT : PURETEK INDUSTRIAL CO., LTD.

4F, No. 12, LANE 235, PAO-CHIAO RD., HSIN TIEN CITY, TAIPEI, TAIWAN, R.O.C.

### I HEREBY CERTIFY THAT:

The measurement shown in this report were made in accordance with the procedures given in ANSI C63.4 -1992 and the energy emitted by this equipment was passed CISPR PUB.22 both radiated and conducted emissions class B limits. Testing was carried out on May 22, 1999 at SPORTON INTERNATIONAL INC. LAB.

President

#### SPORTON INTERNATIONAL INC.

6F, No. 106, Sec. 1, Hsin Tai Wu Rd., Hsi Chih, Taipei Hsien, Taiwan, R.O.C.

SPORTON International Inc.

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

: H52PT-3517

PAGE NUMBER: 3 OF 24

# 1. GENERAL DESCRIPTION OF EQUIPMENT UNDER TEST

#### 1.1. APPLICANT

PURETEK INDUSTRIAL Co., LTD.

4F, No. 12, LANE 235, PAO-CHIAO RD., HSIN TIEN CITY, TAIPEI, TAIWAN, R.O.C.

#### 1.2. MANUFACTURER

Same as 1.1.

### 1.3. BASIC DESCRIPTION OF EQUIPMENT UNDER TEST

**EQUIPMENT: MODEM CARD** 

MODEL NO. : PT-3517 FCC ID : H52PT-3517

TRADE NAME: PURETEK

MICROPONE, EARPHONE, TELEPHONE DATA CABLE: Non-shielded

POWER SUPPLY TYPE: N/A

POWER CORD: N/A

FAX: 886-2-2696-2255

SPORTON International Inc.
TEL: 886-2-2696-2468

FCC ID : H52PT-3517
PAGE NUMBER : 4 OF 24
ISSUED DATE : May 29, 1999

#### 1.4. FEATURE OF EQUIPMENT UNDER TEST

- I/O ports :
  - Phone : Phone jack
  - Line: Telephone line jack
  - MIC: Microphone jack
  - SPK: Speaker jack (for stereo only) jack
- Data
  - ITU-T V.90
  - Rockwell K56flex
  - ITU-T V.34, V.32bis, V.32, V.22bis, V.22
  - Bell 103 & 212A
  - V.42bis & MNP 5 (Data compression )
  - V.42 & MNP2-4 ( Error correction )
  - V.80 ( H.324 video conferencing interface )
- Fax
  - V.17 (14400bps FAX)
  - V.29 (96oobps FAX)
  - V.27ter ( 4800bps FAX )
- Voice
  - Voice/Audio mode
  - Full-Duplex speakerphone
  - ITU-T V.61 AudioSpan ( Simultaneous Audio / Voice / Data; SAVD )
  - ITU-T V.70 DSVD

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID : H52PT-3517

PAGE NUMBER : 5 OF 24

**REPORT NO.: F951405** FCC TEST REPORT

Support Device 2. --- MONITOR (HITACHI)

FCC ID

: N/A

Model No.

: CM753ET

Serial No.

: SP1011

Data Cable

: Shielded, 360 degree via metal backshells, 1.15m

Power Supply Type : Switching

Power Cord

: Non-shielded

( Remark : This support device was tested to comply with FCC standards and

authorized under a declaration of conformity.)

Support Device 3. --- PS/2 KEYBOARD (DELL)

FCC ID

: GYUM92SK

Model No.

: AT101 (DE8M)

Serial No.

: SP1021

Data Cable

: Shielded, 360 degree via metal backshells, 1.9m

Support Device 4. --- PS/2 MOUSE (PRIMAX)

FCC ID

: EMJMUSJQ

Model No.

: MUS9J

Serial No.

: SP1025

Data Cable

: Shielded, 360 degree via metal backshells,1.7m

Support Device 5. --- PRINTER (HP)

FCC ID

: B94C2642X

Model No.

: DESK JET 400

Serial No.

: SP1040

Data Cable

: Shielded, 360 degree via metal backshells, 1.35m

Power Supply Type

: Linear, Adapter

Power Cord

: Non-shielded

FCC ID SPORTON International Inc. TEL: 886-2-2696-2468

FAX: 886-2-2696-2255

PAGE NUMBER: 7 OF 24 ISSUED DATE : May 29, 1999

: H52PT-3517

# 2. TEST CONFIGURATION OF EQUIPMENT UNDER TEST

# 2.1. TEST MANNER

ď.

- and configuration operated in a manner, which tended to maximize its emission characteristics in a The EUT has been associated with personal computer and peripherals pursuant to ANSI C63.4-1992
- microphone, UNO earphone, GERICO telephonex2 and EUT were connected to the F.I.C. P.C. for The SONY monitor, PS/2 DELL keyboard, PRIMAX PS/2 mouse, HP printer, ACEEX modem, KOKA typical application.
- Frequency range investigated: Conduction 150 KHz to 30 MHz, Radiation 30 MHz to 1000MHz. The phone jack and line jack were both connected to the GERICO telephone by telephone line. EMI test.

### 5.2. DESCRIPTION OF TEST SYSTEM

Support Device 1. --- P.C. (FIC)

**ECCID** A/N:

.oM leboM : P2L97

Serial No. 300192 :

Data Cable : Shielded

: Switching Power Supply Type : Non-shielded Power Cord

(Remark : This support device was tested to comply with FCC standards and

authorized under a declaration of conformity.)

PAGE NUMBER : 6 OF 24 FCC ID 1152PT-3517

ISSUED DATE : May 29, 1999

SPORTON International Inc.

TEL: 886-2-2696-2468

FAX: 886-2-2696-2255

### **FCC TEST REPORT**

**REPORT NO.: F951405** 

Support Device 6. --- MODEM (ACEEX)

FCC ID

: IFAXDM1414

Model No.

: DM1414

Power Supply Type : Linear, AC Adapter

Power Cord

: Non-shielded

Serial No.

: SP1045

Data Cable

: Shielded, 360 degree via metal backshells, 1.15m

Support Device 7. --- MICROPHONE (KOKA)

FCC ID

: N/A

Model No.

: SM04

Serial No.

: SP1057

Data Cable

: Non-shielded, 2.8m

Support Device 8. --- EARPHONE (UNO)

FCC ID

: N/A

Model No.

: UNO-A214

Serial No.

: SP1047

Data Cable

: Non-shielded, 1.15m

Support Device 9. --- TELEPHONE (GERICO)

FCC ID

: N/A

Model No.

: GT-266

Serial No.

: SP1069

Data Cable

: Non-shielded, 2.1m

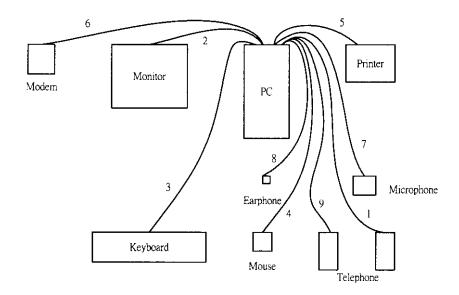
SPORTON International Inc.

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

: H52PT-3517

PAGE NUMBER: 8 OF 24

#### 2.3. CONNECTION DIAGRAM OF TEST SYSTEM



- 1. The I/O cable is connected from the EUT to the support device 9.
- 2. The I/O cable is connected from the support device 1 to the support device 2.
- 3. The I/O cable is connected from the support device 1 to the support device 3.
- 4. The I/O cable is connected from the EUT to the support device 4.
- 5. The I/O cable is connected from the support device 1 to the support device 5.
- 6. The I/O cable is connected from the support device 1 to the support device 6.
- 7. The I/O cable is connected from the support device 1 to the support device 7.
- 8. The I/O cable is connected from the EUT to the support device 8.
- 9. The I/O cable is connected from the EUT to the support device 9.

SPORTON International Inc.

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

: H52PT-3517

PAGE NUMBER: 9 OF 24

FCC TEST REPORT

# 3. TEST SOFTWARE

An executive program, EMITEST.EXE under WIN98, which generates a complete line of continuously repeating "H" pattern was used as the test software.

**REPORT NO.: F951405** 

The program was executed as follows:

- a. Turn on the power of all equipment.
- b. The PC reads the test program from the floppy disk drive and runs it.
- c. The PC sends "H" messages to the monitor, and the monitor displays "H" patterns on the screen.
- d. The PC sends "H" messages to the printer, then the printer prints them on the paper.
- e. The PC sends "H" messages to the modem.
- f. The PC sends "H" messages to the internal Hard Disk, and the Hard Disk reads and writes the message.
- g. Repeat the steps from b to f.

At the same time, HYPER TERMINAL under WIN98, was executed during testing as follows.

- a. Run the "HYPER TERMINAL" from the "Accessory" and get the modern linked with another PC.
- b. The PC keeps sending "H" messages to another PC through the modem.

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID : H52PT-3517

PAGE NUMBER : 10 OF 24

FCC TEST REPORT

### 4. GENERAL INFORMATION OF TEST

#### 4.1. TEST FACILITY

This test was carried out by SPORTON INTERNATIONAL INC. in an openarea test site.

Test Site Location

: No. 30-1, Lin 6, Diing-Fwu Tsuen, Lin-Kou-Hsiang,

**REPORT NO.: F951405** 

Taipei Hsien, Taiwan, R.O.C.

TEL: 886-2-2601-1640, FAX: 886-2-2601-1695

#### 4.2. STANDARD FOR METHODS OF MEASUREMENT

ANSI C63.4-1992

#### 4.3 .TEST IN COMPLIANCE WITH

CISPR PUB.22 CLASS B

#### 4.4. FREQUENCY RANGE INVESTIGATED

a. Conduction : from 150 KHz to 30 MHz

b. Radiation : from 30 MHz to 1000 MHz.

#### 4.5. TEST DISTANCE

The test distance of radiated emission from antenna to EUT is 10M.

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC | D : H52PT-3517

PAGE NUMBER: 11 OF 24

FCC TEST REPORT NO.: F951405

#### 5. TEST OF CONDUCTED POWERLINE

Conducted Emissions were measured from 150 KHz to 30 MHz with a bandwidth of 9 KHz on the 115 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-1992 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in Figure 5-3. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

#### 5.1. MAJOR MEASURING INSTRUMENTS

• Test Receiver (HP 8591EM)

Attenuation 0 dB Start Frequency 0.15 MHz

Stop Frequency 30 MHz
Step MHz 0.007 MHz

IF Bandwidth 9 KHz

SPORTON International Inc. FCC ID : H52PT-3517

TEL: 886-2-2696-2468 PAGE NUMBER: 12 OF 24
FAX: 886-2-2696-2255 ISSUED DATE: May 29, 1999

FCC TEST REPORT **REPORT NO.: F951405** 

#### **5.2. TEST PROCEDURES**

The EUT was placed 0.4 meter from the conducting wall of the shielding room and was kept at least 80 centimeters from any other grounded conducting surface.

- Connect EUT to the power mains through a line impedance stabilization network ( LISN ). b.
- All the support units are connect to the other LISN.
- The LISN provides 50 ohm coupling impedance for the measuring instrument. d.
- The FCC states that a 50 ohm, 50 microhenry LISN should be used. e.
- Both sides of AC line were checked for maximum conducted interference. f.
- The frequency range from 150 KHz to 30 MHz was searched. g.
- Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold h. Mode.
- If the emission level of the EUT in peak mode was 6 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported otherwise the emissions which do not have 6 dB margin will be retested on by one using the quasi-peak method and reported.

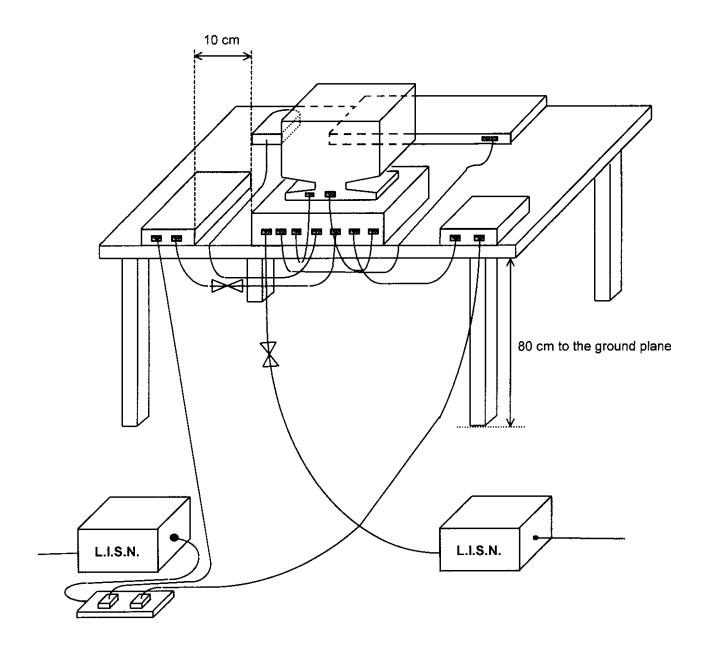
SPORTON International Inc.

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

: H52PT-3517

PAGE NUMBER: 13 OF 24

### 5.3. TYPICAL TEST SETUP LAYOUT OF CONDUCTED POWERLINE



TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID : H52PT-3517

ISSUED DATE : May 29, 1999

PAGE NUMBER: 14 OF 24

#### 5.4. TEST RESULT OF AC POWERLINE CONDUCTED EMISSION

All emissions not reported here are more than 10 dB below the prescribed limit.

• Frequency Range of Test: from 0.15 MHz to 30 MHz

Temperature : 25℃

Relative Humidity: 60% RHTest Date: May 22, 1999

### The Conducted Emission test was passed at Line 20.97 MHz / 42.80 dBuV.

Frequency	Line	Meter Reading			Limits				Margin		
	or	Q.P.	A.V.	Q.P.	A.V.	Q.P.	A.V.	Q.P.	A.V.	Q.P.	A.V.
(MHz)	Neutral	(dBuV)	(dBuV)	( uV )	( uV )	(dBuV)	(dBuV)	( uV )	( uV )	(dB)	(dB)
0.20	Line	46.10	45.30	201.84	184.08	63.61	53.61	1515.40	479.21	-17.51	-8.31
0.31	Line	35.30	33.00	58.21	44.67	59.97	49.97	996.61	315.16	-24.67	-16.97
0.51	Line	31.20	26.80	36.31	21.88	56.00	46.00	630.96	199.53	-24.80	-19.20
20.97	Line	42.80	36.40	138.04	66.07	60.00	50.00	1000.00	316.23	-17.20	-13.60
0.20	Neutral	45.70	45.10	192.75	179.89	63.61	53.61	1515.40	479.21	-17.91	-8.51
20.98	Neutral	42.50	36.80	133.35	69.18	60.00	50.00	1000.00	316.23	-17.50	-13.20

Test Engineer:

Alex Wu

SPORTON International Inc. FCC ID : H52PT-3517

TEL: 886-2-2696-2468 PAGE NUMBER: 15 OF 24
FAX: 886-2-2696-2255 ISSUED DATE: May 29, 1999

FCC TEST REPORT

**REPORT NO. : F951405** 

# 6. TEST OF RADIATED EMISSION

Radiated emissions from 30 MHz to 1000 MHz were measured with a bandwidth of 120 KHz according to the methods defines in ANSI C63.4-1992. The EUT was placed on a nonmetallic stand in the open-field site, 0.8 meter above the ground plane, as shown in Figure 6-3. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions.

# 6.1. MAJOR MEASURING INSTRUMENTS

Amplifier (HP 8447D)

Attenuation 0 dB RF Gain 25 dB

Signal Input 0.1 MHz to 1.3 GHz

Spectrum Analyzer (ADVANTEST R3261C)

Attenuation 0 dB

Start Frequency 30 MHz

Stop Frequency 1000 MHz

Resolution Bandwidth 1 MHz

Video Bandwidth 1 MHz

Signal Input 9 kHz to 2.6 GHz

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID : H52PT-3517

PAGE NUMBER : 18 OF 24
ISSUED DATE : May 29, 1999

FCC TEST REPORT REPORT NO.: F951405

**6.2. TEST PROCEDURES** 

a. The EUT was placed on a rotatable table top 0.8 meter above ground.

b. The EUT was set 10 meters from the interference receiving antenna which was mounted on the top of

a variable height antenna tower.

c. The table was rotated 360 degrees to determine the position of the highest radiation.

d. The antenna is a half wave dipole and its height is varied between one meter and four meters above

ground to find the maximum value of the field strength both horizontal polarization and vertical

polarization of the antenna are set to make the measurement.

e. For each suspected emission the EUT was arranged to its worst case and then tune the antenna

tower ( from 1 M to 4 M ) and turn table ( from 0 degree to 360 degrees ) to find the maximum reading.

Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold

Mode.

g. If the emission level of the EUT in peak mode was 6 dB lower than the limit specified, then testing will

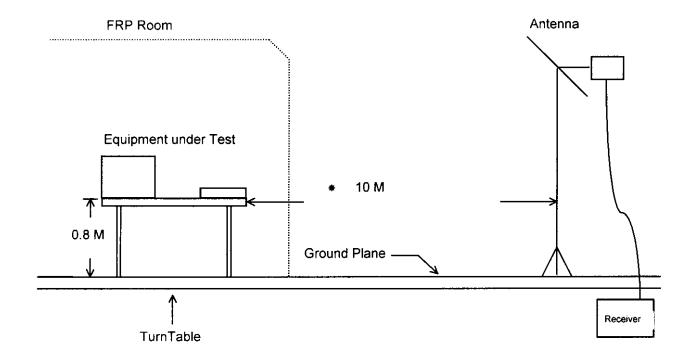
be stopped and peak values of EUT will be reported otherwise the emissions which do not have 6 dB

margin will be repeated one by one using the quasi-peak method and reported.

SPORTON International Inc. FCC ID : H52PT-3517

TEL: 886-2-2696-2468 PAGE NUMBER: 19 OF 24
FAX: 886-2-2696-2255 ISSUED DATE: May 29, 1999

### 6.3. TYPICAL TEST SETUP LAYOUT OF RADIATED EMISSION



TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC ID : H52PT-3517

PAGE NUMBER: 20 OF 24

#### 6.4. TEST RESULT OF RADIATED EMISSION

Equipment meets the technical specifications of CISPR PUB.22

Frequency Range of Test: from 30 MHz to 1000 MHz

Test Distance : 10 M
 Temperature : 22℃

Relative Humidity: 74 % RHTest Date: May 19, 1999

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

Corrected Reading = Antenna Factor + Cable Loss + Reading = Emission

# The Radiated Emission test was passed at minimum margin Vertical 508.50 MHz / 31.80 dBuV

Antenna Height 2.3 Meter, Turntable Degree 172°

Frequency		Antenna	Cable	Reading	Limi	its	Emission	Level	Margin
	Polarity	Factor	Loss						
( MHz )		(dB/m)	(dB)	( dBuV )	(dBuV/m)	(uV/m)	(dBuV/m)	(uV/m)	( dB )
199.90	Н	8.70	1.70	12.90	30.00	32	23.30	14.62	-6.70
669.00	Н	19.10	3.14	7.20	37.00	71	29.44	29.65	-7.56
199.90	V	8.70	1.70	12.10	30.00	32	22.50	13.34	-7.50
206.40	٧	9.17	1.73	10.11	30.00	32	21.01	11.23	-8.99
508.50	٧	17.38	2.64	11.78	37.00	71	31.80	38.90	-5.20
667.80	٧	19.10	3.14	8.80	37.00	71	31.04	35.65	-5.96

Test Engineer: Jones Jan

Jones Jan

SPORTON International Inc.

TEL: 886-2-2696-2468 FAX: 886-2-2696-2255 FCC | D : H52PT-3517
PAGE NUMBER : 21 OF 24
ISSUED DATE : May 29, 1999

## 7. ANTENNA FACTOR AND CABLE LOSS

7.5	1.02	0001
8.8	8.61	096 006
8.E 8.E	19.5 20.2	008
3.5	8.8† 3.01	008
3.5	S.91	097
2.8	1.91	007
3.1	1'61	099
3.0	18.3	009
6.2	2.81	099
9'Z	2.71	009
2.6	9.91	094
2.3	6.31	00 <del>1</del>
2.3	8.8t	380
2.4	2,21	098
2.3	7.41 2.41	078
2.1	7.41	350
2.0	9.51	300
8.1	1.21	087
6´l 6`l	11.5 12.5	240 540
8.1	1.01	220
<u> </u>	7.8	200
2.1	1.6	061
ŽΊ	<b>t</b> .9	180
3.f 	9.6	021
g·i	7.01	091
9.1	10.5	09L
3.1	1.11	0 <del>۷</del> ۱
3.f	8.11	130
<b>b</b> .f	4.11	120
<b>b</b> `l	l'.ll	OLL
<b> </b>	8.01	001
4.1	6.6	96
8.1 8.1	۲.8 0.9	06 98
į. į	1.2	08
<u> </u>	1.9	94
i i	6.3	02
1.1	₽.G	99
o'i	9.9	09
Ō'Ĺ	6.3	99
8.0	0.7	09
8.0	10.5	97
6.0	12.6	07
6.0	9.31	98
Cable Loss ( dB )	Antenna Factor ( dB )	30 Eredneucy ( MHz )
	Lan Languellandu	i izuminanuannatu

SPORTON International Inc.

FCC ID : H62PT-3617

TEL : 886-2-2696-2468

PAGE NUMBER : 23 OF 24

FAX: 886-2-2696-2255

FCC TEST REPORT NO.: F95/405

# 8. LIST OF MEASURING INSTRUMENTS USED

	A/N	1 m-4 m	9112-1126	2075	EWCO	(a efie) <b>IssM sn</b> netnA
roitsibeR		0 ~ 360 degree	1202-1126	2080	EWCO	(8 afte) sldsT muT
Radiation	∀/N		0071-00/6	31216	EWCO	Half-wave dipole antenna (Site 6)
Radiation	9991 ,71 ysM	28 M - 1GHz	9821-9076			
Radiation	9661 ,71 .nst	30MHz -2GHz	<b>535</b> 5	CBL6112A	CHASE	Silog Antenna (Site 6)
Radiation	8661 ,E1 ,VON	0.1MHz -1.3GHz	06Z80A446S	<b>□</b> 7 <b>₽₽</b> 8	чH	(8 stis) natitiqmA
	9991 ,80 .1sM	9 kHz to 2.6 GHz	09702717	A1926A	TS3TNAVQA	Spectrum Analyzer (Site 6)
noitsibs/R		480 VAC / 30 A	A/N	MRI-2030	совсом	EMI Fifter (site 1)
Conduction	A/N	V 067 3 V / CO.		43.483134	KAOBITSU	LISN (site 1)
Conduction	9661, 23, 1998	Hu 03 \ mdo 03	01-569-8	KNM-47	113110001	
Conduction	Oct. 23, 1998	Hu 03 / mrlo 03	9601-0136	3850/2	EWCO	LISN (site 1)
	8661 ,7S .guA	9 KHZ - 1.8 GHZ	£7800A8£₹	M∃1638	дН	EMC Receiver (site 1)
Conduction	Calibration Date	- Company Comp	Serial No.	Model No.	Nanufacturer	Instrument

<sup>\*</sup> The column of Remark indicates that the instruments used for conduction ("C") or radiation ("R") test.

**ECCID** : H62PT-3517 PAGE NUMBER : 24 OF 24 1830 PATE : May 29, 1999

SPORTON International Inc. TEL: 886-2-2696-2468

522-9692-2-988 : XA7