SPORTON International Inc.
TEL : 886-2-2696-2468
FAX : 886-2-2696-2255

EXHIBIT B

FCC TEST REPORT

for

PART 15, SUBPART B CLASS B

Equipment : PC CMOS CAMERA

MODEL NO. : PT-6101

F C C I D : H52PT-6101

Filing Type : Original Grant

APPLICANT : **PURETEK INDUSTRIAL CO., LTD.**
4F, No. 12, Lane 235, Pao-Chiao Rd., Hsintien 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.

SPORTON INTERNATIONAL INC.

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

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

REPORT NO. : F833104

CERTIFICATE NO. : F833104

CERTIFICATE OF COMPLIANCE

for

FCC PART 15, SUBPART B CLASS B

Equipment : PC CMOS CAMERA

MODEL NO. : PT-6101

F C C I D : H52PT-6101

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4F, No. 12, Lane 235, Pao-Chiao Rd., Hsintien 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*** both radiated and conducted emissions class B limits. Testing was carried out on APR. 17, 1998 at **SPORTON International Inc.** in NEI HWU.

W. L. Huang APR 29,98
W. L. Huang
General Manager

1. GENERAL DESCRIPTION OF EQUIPMENT UNDER TEST

1.1. APPLICANT

PURETEK INDUSTRIAL CO., LTD.
4F, No. 12, Lane 235, Pao-Chiao Rd., Hsintien City,
Taipei, Taiwan, R.O.C.

1.2. MANUFACTURER

Same as 1.1

1.3. BASIC DESCRIPTION OF EQUIPMENT UNDER TEST

EQUIPMENT : PC CMOS CAMERA
MODEL NO. : PT-6101
FCC ID:H52PT-6101
TRADE NAME : PURETEK
S-video, AV-video DATA CABLE : Shielded
POWER SUPPLY TYPE : N/A
POWER CORD : N/A

1.4. FEATURE OF EQUIPMENT UNDER TEST

- Component video: RGB or YCrCb
- Sensitivity boost (+18dB)/AGC on-off
- Automatic white balance/Push to set
- Adjustments: hue, color sat., brightness, contrast
- Gamma correction (0.45)-on/off
- External video signal capture capability

2. TEST CONFIGURATION OF EQUIPMENT UNDER TEST

2.1. TEST MANNER

a. The EUT has been associated with personal computer and peripherals pursuant to ANSI C63.4-1992 and configuration operated in a manner which tended to maximize its emission characteristics in a typical application.

b. The DELL keyboard, SONY monitor, HP printer, KYE mouse, PURETEK PC camera and ACCEX modem were connected to the LEO PC.

c. The EUT has two specifcation. one is for PAL, the othere is for NTSC.

d. The PAL and NTSC were tested in order to find the maximum emissions. Since the NTSC generates the worst case, the mode was used as the final data.

e. The following display resolution were investigated during the compliance test:
   1. H pattern.
   2. VIDEO motion.

f. Frequency range investigated: Conduction 450 KHz to 30 MHz, Radiation 30 MHz to 1000 MHz.

2.2. DESCRIPTION OF TEST SYSTEM

Support Device 1. --- PERSONAL COMPUTER (LEO)

FCC ID	:N/A
Model No.	:P2L97
Serial No.	:SP1039
Data Cable	:Shielded, 360 degree via metal backshells.
Power Supply Type	:Switching
Power Cord	:Shielded

Remark:This support device was tested to comply with FCC standards and authorized under a declaration of conformity.

Support Device 2. --- VGA CARD (BRITEK)

FCC ID	:ILLS386XP
Model No.	:BTK-076
Serial No.	:SP1015
Data Cable	: Shielded, 360 degree via metal backshells.

Support Device 3. --- PRINTER (HP)

FCC ID	:B94C2642X
Model No.	:DESKJET 400
Serial No.	:SP0003
Data Cable	:Shielded, 360 degree via metal backshells
Power Supply Type	:Linear

Support Device 4. --- MONITOR (SONY)

FCC ID	:AK8GDM17SE2T
Model No.	:GDM-17SE2T
Serial No.	:SP1047
Data Cable	:Shielded
Power Supply Type	:Switching
Power Cord	:Non-shielded

Support Device 5. --- KEYBOARD (DELL)

FCC ID	:GYUM92SK
Model No.	:AT101
Serial No.	:SP1008
Data Cable	:Shielded

Support Device 6. --- MOUSE (KYE)

FCC ID	:FSUGMZFC
Model No.	:NETMOUSE
Serial No.	:SP1036
Data Cable	: Non-shielded

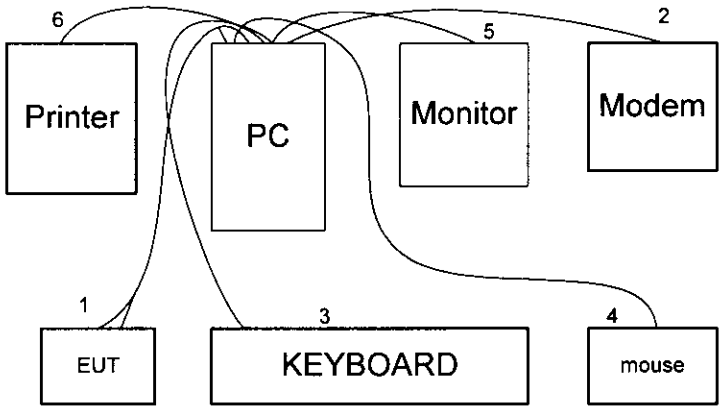
Support Device 7. --- CAPTURE CARD (PURETEK)

FCC ID	:H52PT-6002
Model No.	:PT-6002
Serial No.	:SP0019
Data Cable	: shielded

Support Device 8. --- MODEM (ACEEX)

FCC ID	:IFAXDM1414
Model No.	:DM1414
Serial No.	:SP0016
Data Cable	:Shielded, 360 degree via metal backshells.
Power Supply Type	:Linear

2.3. CONNECTION DIAGRAM OF TEST SYSTEM



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

3. TEST SOFTWARE

An executive program, FCC.EXE, which generates a complete line of continuously repeating " H " pattern is used as the test software.

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. (for H pattern mode)
d. The PC sends " VIDEO MOTION" messages to the monitor, and the monitor displays " VIDEO MOTION " on the screen. (for VIDEO MOTION mode)
e. The PC sends " H " messages to the printer, then the printer prints them on the paper.
f. The PC sends " H " messages to the modem.
g. The PC sends " H " messages to the internal Hard Disk, then the hard disk reads and writes the message.
h. Repeat the steps from b to g.

4. GENERAL INFORMATION OF TEST

4.1. TEST FACILITY

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

Openarea Test Site Location : No. 30-1, Lin 6, Diing-Fwu Tsuen, Lin-Kou-Hsiang, 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

FCC PART 15, SUBPART B CLASS B

4.4. FREQUENCY RANGE INVESTIGATED

a. Conduction : from 450 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 3M.

5. TEST OF CONDUCTED POWERLINE

Conducted Emissions were measured from 450 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	HP85462A
Attenuation	0 dB
Start Frequency	0.45 MHz
Stop Frequency	30 MHz
Step MHz	0.007 MHz
IF Bandwidth	9 KHz

5.2. TEST PROCEDURES

a. 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.

b. Connect EUT to the power mains through a line impedance stabilization network (LISN).

c. All the support units are connect to the other LISN.

d. The LISN provides 50 ohm coupling impedance for the measuring instrument.

e. The FCC states that a 50 ohm , 50 microhenry LISN should be used.

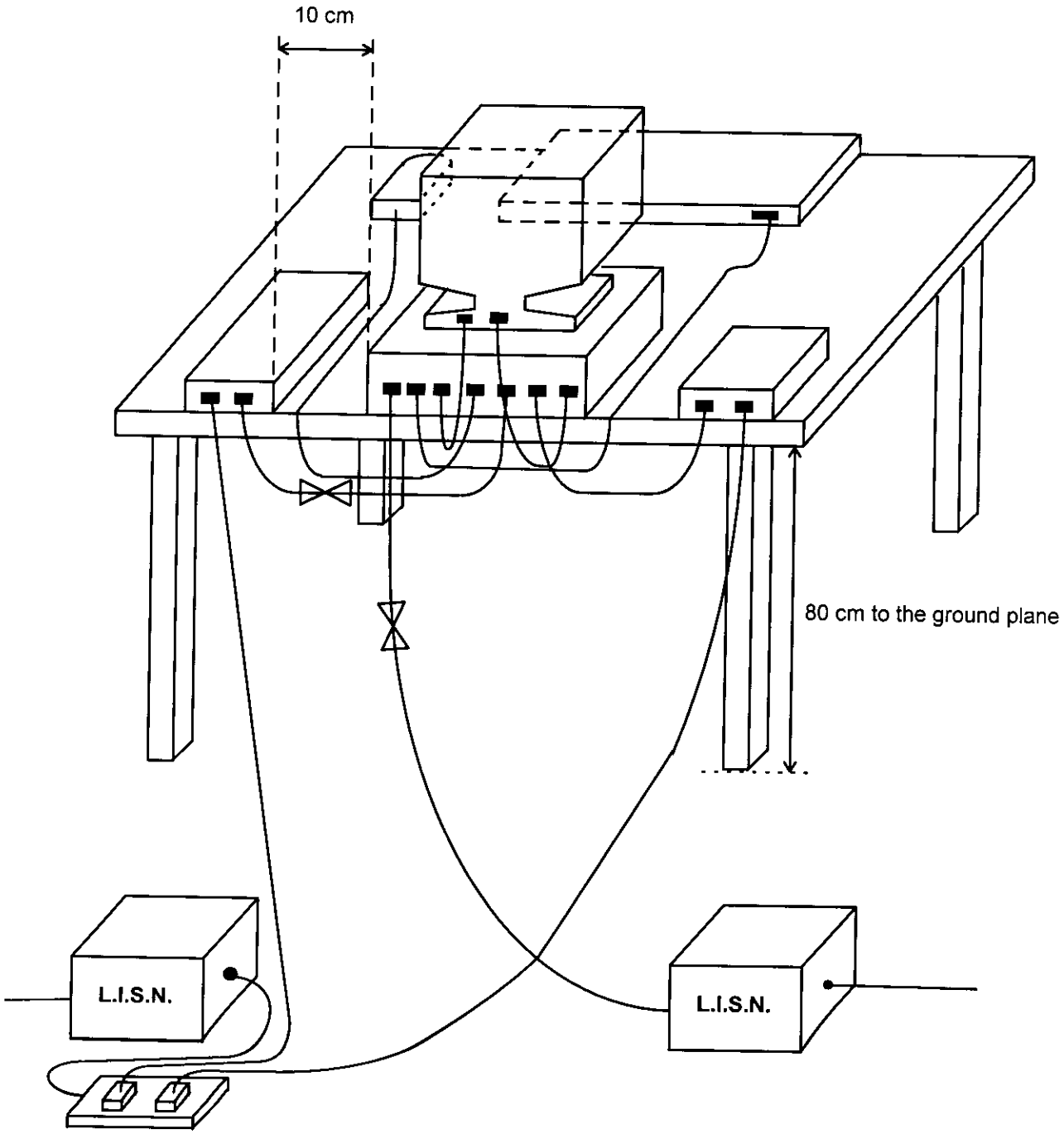
f. Both sides of AC line were checked for maximum conducted interference.

g. The frequency range from 450 KHz to 30 MHz was searched.

h. Set the test-receiver system (HP receiver 85462A) to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

i. 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.

5.3. TYPICAL TEST SETUP LAYOUT OF CONDUCTED POWERLINE



5.4. TEST RESULT OF AC POWERLINE CONDUCTED EMISSION

- Frequency Range of Test : from 0.45 MHz to 30 MHz
- Temperature : 25 °C
- Relative Humidity :73% RH
- Test mode: H pattern.
- All emissions not reported here are more than 10 dB below the prescribed limit.
- Test Date : APR. 17, 1998

The Conducted Emission test was passed at minimum margin

LINE 0.51MHz /43.80dBuV.

Frequency (MHz)	Line / Neutral	Meter Reading (dBuV)	(uV)	Limits (dBuV)	(uV)	Margin (dB)
0.51	L	43.80	154.88	48.00	251.19	-4.20
0.52	L	44.50	167.88	48.00	251.19	-3.50
0.56	L	39.70	96.61	48.00	251.19	-8.30
0.51	N	44.60	169.82	48.00	251.19	-3.40
0.56	N	39.70	96.61	48.00	251.19	-8.30
0.62	N	36.90	69.98	48.00	251.19	-11.10

Test Engineer : Alex

6. TEST OF RADIATED EMISSION

Radiated emissions from 30 MHz to 1000MHz 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

- RF Preselector

Attenuation	0 dB
RF Gain	20 dB
Signal Input	Input 2 (for 20 MHz to 2 GHz)

- Spectrum Analyzer 8568B

Attenuation	0 dB
Start Frequency	30 MHz
Stop Frequency	1000MHz
Resolution Bandwidth	1 MHz
Video Bandwidth	1 MHz
Signal Input	Input 1 (for 100KHz to 1.5 GHz)

- Quasi-Peak Adapter

Resolution Bandwidth	120 KHz
Frequency Band	30 MHz to 1 GHz
Quasi-Peak Detector	ON for Quasi-Peak Mode
	OFF for Peak Mode

6.2. TEST PROCEDURES

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

b. The EUT was set 3 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.

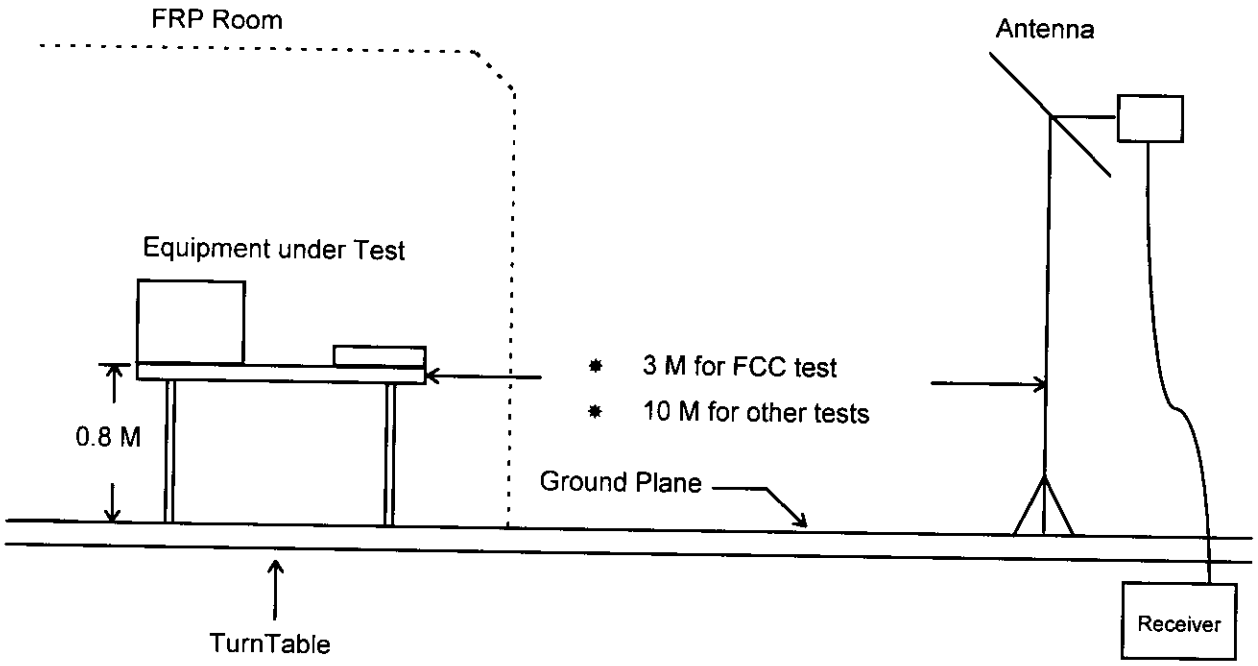
d. The antenna is a half wave dipole and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.

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.

f. Set the test-receiver system (HP 8568B) 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.

6.3. TYPICAL TEST SETUP LAYOUT OF RADIATED EMISSION



6.4. TEST RESULT OF RADIATED EMISSION

- Equipment meets the technical specifications of 15.109
- Frequency Range of Test : from 30 MHz to 1000 MHz
- Test Distance : 3 M
- Temperature : 25 ℃
- Relative Humidity : 77% RH
- Test mode: H pattern
- Test Date :APR. 01, 1998
- Emission level (dBuV/m) = 20 log Emission level (uV/m)
- Sample Calculation at 160.30MHz
  Corrected Reading = 12.25+ 2.02+ 24.66= 38.93(dBuV/m)

The Radiated Emission test was passed at minimum margin

Vertical 314.40MHz /40.48dBuV

Antenna Height 1.1 Meter , Turntable Degree 76°

Frequency		Antenna	Cable	Reading	Limits		Emission	Level	Margin
(MHz)	Polarity	Factor (dB)	Loss (dB)	(dBuV)	(dBuV)	(uV)	(dBuV)	(uV)	(dB)
160.00	H	12.25	2.01	24.74	43.50	150	39.00	89.13	-4.50
314.40	H	18.07	3.10	19.31	46.00	200	40.48	105.68	-5.52
646.40	V	25.03	4.97	10.53	46.00	200	40.53	106.29	-5.47
314.40	V	18.07	3.10	20.51	46.00	200	41.68	121.34	-4.32
902.41	V	28.00	6.20	6.59	46.00	200	40.80	109.65	-5.20
160.30	V	12.25	2.02	24.66	43.50	150	38.93	88.41	-4.57

Test Engineer : Peter Wang

6.4.1 TEST RESULT OF RADIATED EMISSION

- Equipment meets the technical specifications of 15.109
- Frequency Range of Test : from 30 MHz to 1000 MHz
- Test Distance : 3 M
- Temperature : 25 ℃
- Relative Humidity : 77% RH
- Test mode: VIDEO MOTION
- Test Date :APR. 01, 1998
- Emission level (dBuV/m) = 20 log Emission level (uV/m)
- Sample Calculation at 200.06MHz

  Corrected Reading = 14.05+ 2.40+ 19.25= 35.70(dBuV/m)

The Radiated Emission test was passed at minimum margin

Vertical 532.16MHz /40.96dBuV

Antenna Height 1.5 Meter , Turntable Degree 174°

Frequency		Antenna	Cable	Reading	Limits		Emission	Level	Margin
(MHz)	Polarity	Factor (dB)	Loss (dB)	(dBuV)	(dBuV)	(uV)	(dBuV)	(uV)	(dB)
126.36	H	10.62	1.76	23.43	43.50	150	35.81	61.73	-7.69
200.06	H	14.05	2.40	21.42	43.50	150	37.87	78.25	-5.63
532.16	V	23.09	4.29	13.58	46.00	200	40.96	111.69	-5.04
66.60	V	5.28	1.20	26.11	40.00	100	32.59	42.61	-7.41
169.78	V	12.22	2.21	20.64	43.50	150	35.07	56.69	-8.43
200.06	V	14.05	2.40	19.25	43.50	150	35.70	60.95	-7.80

Test Engineer : Peter Wang

7. ANTENNA FACTOR AND CABLE LOSS

Frequency (Mhz)	Antenna Factor (dB)	Cable Loss (dB)
30	-1.91	0.90
35	-0.50	0.92
40	0.61	1.04
45	1.40	1.28
50	2.39	1.10
55	3.54	1.11
60	4.40	1.30
65	4.84	1.40
70	5.59	1.37
75	6.21	1.24
80	7.60	1.51
85	7.73	1.60
90	8.22	1.60
95	8.90	1.70
100	9.36	1.70
110	10.01	1.70
120	10.41	1.90
130	10.84	1.90
140	11.42	1.91
150	11.91	2.01
160	12.25	2.11
170	12.72	2.21
180	13.02	2.30
190	13.50	2.30
200	14.05	2.40
220	15.11	2.50
240	16.81	2.60
260	17.51	2.71
280	17.70	2.90
300	17.89	2.91
320	18.00	3.10
340	18.33	3.20
360	19.44	3.30
380	20.31	3.40
400	21.19	3.50
450	21.10	3.70
500	22.21	4.10
550	23.42	4.30
600	24.01	4.50
650	25.11	4.70
700	26.00	4.90
750	26.41	5.11
800	27.10	5.50
850	27.51	5.60
900	27.90	5.80
950	28.01	5.90
1000	29.00	6.20

※ Remark: For frequency above 1000 MHz, we used low cable loss BNC cable to test.

8. LIST OF MEASURING INSTRUMENTS USED

INSTRUMENT	Manufacturer	Model No.	Serial No.	Characteristic	Calibration date	Remark
Receiver RF Section	HP	85462A	3325A00108	9 KHz - 6.5 GHz	Oct. 22, 1997	C
RF Section	HP	85460A	3308A00104	9 KHz - 6.5 GHz	Oct. 22, 1997	C
LISN	EMCO	3850/2	1035	50 ohm / 50 uH	Oct. 27, 1997	C
LISN	KYORITSU	KNW-407	8-693-10	50 ohm / 50 uH	Oct. 04, 1997	C
EMI Filter	CORCOM	MRI-2030	N/A	480 VAC / 30 A	N/A	C
EMI Filter	CORCOM	MRI-2030	N/A	480 VAC / 30 A	N/A	C
Spectrum Analyzer (Site 1)	HP	8568B	2732A04100	100Hz - 1500GHz	Jun 17, 1997	R
Quasi-peak Adapter (site 1)	HP	85650A	2811A01116	9KHz -1 GHz	Jun. 17, 1997	R
Amplifier (Site 1)	HP	8447D	2944A08291	0.1 MHz -1.3 GHz	Nov. 12, 1997	R
Bilog Antenna (Site 1)	CHASE	CBL6111	1378	30 MHz -1000 MHz	Aug. 11, 1997	R
Half-wave dipole antenna	EMCO	3121C	9705-1285	28M-1GHZ	May. 19, 1997	R
Turn Table (site 1)	EMCO	1060-1.211	9508-1805	0 ~ 360 degree	N/A	R
Antenna Mast (site 1)	EMCO	1051-1.2	9502-1868	1 m- 4 m	N/A	R

※ The column of Remark indicates that the instruments used for conduction ("C") or radiation ("R") test.