

CLASS B CERTIFICATION APPLICATION
UNDER PART 15, SUBPART B

EUT: PC SYSTEM
MODEL: PRS-TRIBOOK
FCC ID: NPHPRS-TRIBOOK

SRT REPORT # T8B29-1

PREPARED FOR :

PROSIDE CORP.
KANDA EIGHT BLDG., 4F,
4-6-7 SOTOKANDA CHIYODA-KU,
TOKYO, 101
JAPAN

EMI TESTING REPORT

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TOKYO, 101 JAPAN

PREPARED BY:

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1. TEST REPORT CERTIFICATION

APPLICANT : PROSIDE CORP.

ADDRESS : KANDA EIGHT BLDG., 4F,
4-6-7 SOTOKANDA, CHIYODA-KU,
TOKYO, 101 JAPAN

EUT DESCRIPTION : PC SYSTEM

(A) POWER SUPPLY : 115/230V

(B) MODEL : PRS-TRIBOOK

(C) FCC ID : NPHPRS-TRIBOOK

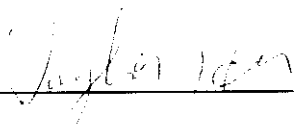
FINAL TEST DATE : 03/20/1998

MEASUREMENT PROCEDURE USED :

PART 15 SUB PART B OF FCC RULES AND
REGULATIONS (47 CFR PART 15)
FCC / ANSI C63.4 - 1992

WE HEREBY SHOW THAT:

THE MEASUREMENTS SHOWN IN THE ATTACHMENT WERE
MADE IN ACCORDANCE WITH THE PROCEDURES INDICATED,
AND THE ENERGY EMITTED BY THE EQUIPMENT WAS
FOUND TO BE WITHIN THE LIMITS APPLICABLE.

TESTING ENGINEER :  DATE 3/20/98

SUPERVISOR :  DATE 3/20/98

APPROVED BY :  DATE 3/20/98

2. TEST STATEMENT

2.1 TEST STATEMENT

TO whom it may concern,

This letter is to explain the test condition of this project.
The EUT be tested as the following status.

CPU: PENTIUM - 200 MHz

CPU Clock Signal: 66 MHz

RESOLUTION: 640 X 480
 1024 X 768
 1600 X 1200

The data shown in this report reflects the worst-case data for each condition as listed ablve.

Please disregard any other conditions that shown in this user manual.

2. TEST STATEMENT

2.2 DEPARTURE FROM DOCUMENT POLICIES, PROCEDURE OR SPECIFICATIONS

DID HAVE
ANY DEPARTURE FROM DOCUMENT POLICIES
& PROCEDURES OR FROM SPECIFICATIONS.

YES _____ , NO N/A .

IF YES, THE DESCRIPTION AS BELOW.

2.3 TEST STATEMENT

1. THE CERTIFICATE OR REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY.
2. THE REPORT MUST NOT BE USED BY THE CLIENT TO CLAIM PRODUCT ENDORSEMENT BY NVLAP OR ANY AGENCY OF THE U.S. GOVERNMENT.

3. EUT MODIFICATIONS

THE FOLLOWING ACCESSORIES WERE ADDED TO THE EUT DURING TESTING:

- 1). MP6000 VGA CARD:
 - A. L9, L10, L11 ADD CAP 82pF TO GROUND. (R,G,B)
 - B. CHANGE C86 FROM CAP 47pF TO CAP 130pF.
 - C. IMPROVE P1, J1, JP5, J3 OF GROUND CONTACT TO COVER PALATE.
- 2). MAIN BOARD:
 - A. J6 PIN 1, 2, 3, 4 SERIES FERRITE BEAD BLM11A221S (220ohm AT 100 MHz) AND CAP 220pF TO GROUND.
 - B. C105, C67, C56, C69 FROM CAP 22uF/25 TO CAP 47uF/10.
 - C. CHANGE L4, L5, L6, L7, L8, L9 TO BEAD CORES AV035090-105 (105ohm AT 100MHz)
 - D. CHANGE L12 TO LINE FILTER BCB0401RI-560-01 (2590OHM AT 100MHz).
 - E. J6 LINE ADD CORE 33RI 2 (5*6, 4*13).
 - F. CHANGE R21, R24, R37, R39 FROM 0ohm TO FERRITE BEAD BLM21A401S (400ohm AT 100MHz)
 - G. KB1 AND J1(MOUSE) PIN1, PIN5 ADD CAP 470pF TO GROUND.
- 3). SWITCH POWER:
 - A. D2 PARALLEL CAP 221pF/1KV.
 - B. CHANGE C1 FROM 0.22UF/250V TO 0.47uF/250V
 - C. CHANGE L1 FROM 22mH TO 48mH.
 - D. INPUT OF POWER CABLE SEAT PARALLEL CAP 0.33uF/250V
 - E. POWER CABLE MAST SHIELD.
 - F. MONITOR SEAT OF POWER SERIES COMMON CHOKE 0C9080-D601 (600ohm AT 100MHz).
 - G. INPUT OF POWER CABLE SEAT SERIES COMMON CHOKE 1.2mH AND COMMON CHOKE, PIN1, PIN2 AND FERRITE CORE (K5B T4X3X2)*2.
 - H. POWER OUT CABLE (+5, +12V, -12V) PARALLEL CAP 0.1uF TO GROUND.
- 4). CASE:
 - A. MUST IMPROVE CASE OF PC (UP, DOWN, BACK, FRONT) CONTACT.
 - B. IMPROVE FRONT OF PC SHIELD.
 - C. RISER CARD OF CT1 AND CT2 GROUND CONTACT TO CASE.

4. MODIFICATION LETTER

THIS SECTION CONTAINS THE FOLLOWING DOCUMENTS:

A. LETTER OF MODIFICATIONS

5. CONDUCTED POWER LINE TEST

5.1 TEST EQUIPMENT

THE FOLLOWING TEST EQUIPMENT WAS USED DURING THE
CONDUCTED POWER LINE TEST :

| EQUIPMENT/ FACILITIES | SPECIFICAT -IONS | MANUFACTURER | MODEL#/ SERIAL# | DATE OF CAL. & CAL.CENTER | DUE DATE |
|--------------------------|--------------------------------|----------------------|--------------------------------|------------------------------|-------------|
| SPECTRUM ANALZER | 9 KHz TO 1 GHz | HP | 8590L/ 3624A01317 | OCT, 1997 ETC | 1Y |
| EMI TEST RECEIVER | 9 KHz TO 30 MHz | ROHDE & SCHWARZ | ESHS30/ 893517/013 | OCT, 1997 ETC | 1Y |
| LISN | 50 uH, 50 ohm | SOLAR ELECTRONICS | 9252-50- R24-BNC/ 951315 | AUGUST, 1997 ETC | 1Y |
| LISN | 50 uH, 50 ohm | SOLAR ELECTRONICS | 9252-50- R24-BNC/ 951318 | AUGUST, 1997 ETC | 1Y |
| SIGNAL GENERATOR | 9 KHz TO 1080 MHz | ROHDE & SCHWARZ | SMY01/ 841104/019 | MAY, 1997 ETC | 1Y |
| POWER CONVERTER | 0 TO 300 VAC 47 - 500 Hz | AFC | AFC-1KW/ 850510 | APRIL, 1997 SRT | 1Y |

5.2 CONFIGURATION OF THE EUT

THE EUT WAS CONFIGURED ACCORDING TO ANSI C63.4 - 1992.
ALL INTERFACE PORTS WERE CONNECTED TO THE APPROPRIATE
PERIPHERALS. ALL PERIPHERALS AND CABLES ARE LISTED
BELOW.

-EUT

| DEVICE | MANUFACTURER | MODEL # | FCCID |
|-----------|------------------|-------------|----------------|
| PC SYSTEM | PROSIDE CORP. | PRS-TRIBOOK | NPHPRS-TRIBOOK |

-REMARK

-INTERNAL DEVICES

| <u>DEVICE</u> | <u>MANUFACTURER</u> | <u>MODEL #</u> | <u>FCCID</u> |
|---------------|---------------------|----------------|--------------|
| MAIN BOARD | PROSIDE | PRS-PR058 | N/A |
| POWER SUPPLY | PROSIDE | FT-8075 | N/A |
| HDD | CAVIAR | AC11200-00LA | N/A |
| FDD (3.5") | MITSUMI | D359T6 | N/A |
| CD ROM | PIONEER | DVD-101 | AJDT057 |
| RISER CARD | PROSIDE | PRS-TRIBOOK | N/A |
| MPACT CARD | PROSIDE | PRS-MP6000P | N/A |

-PERIPHERALS

| DEVICE | MANUFAC-TURER | MODEL# / SERIAL# | FCCID | CABLE |
|-----------|---------------|------------------|----------------|---------------------|
| MONITOR | OPTIQUEST | 4500DC | GWGMULTI82 | POWER-UNS DATA-S |
| PRINTER | HP | 2225C | BS46XU2225C | POWER-UNS DATA-S |
| MODEM | HAYES | 4007AM | BFJ4000AM | POWER-UNS DATA-S |
| MODEM | SMARTEAM | 103/212A | EF56A5103/212A | POWER-UNS DATA-S |
| KEYBOARD | EPSON | N860-4871-T001 | C9SKB4870 | DATA-S |
| MOUSE | HP | M-S34 | DZL211029 | DATA-UNS |
| USB MOUSE | ABIT | 97M320 | M5497M32U | DATA-S |
| USB MOUSE | ABIT | 97M32U | M5497M32U | DATA-S |
| VCR | RCA | VR720HF | ACJ927092AHS | DATA-UNS |
| | | | | |
| | | | | |

-REMARK

- (1). CABLE - UNS : UNSHIELDED CABLE
S : SHIELDED CABLE
- (2). CABLES - ALL 1m OR GREATER IN LENGTH-
BUNDLED ACCORDING TO ANSI C63.4 - 1992.

5.3 EUT OPERATING CONDITION

OPERATING CONDITION IS ACCORDING TO ANSI C63.4 - 1992.

1. EUT POWER ON.

2. "H" PATTERN SENT TO THE FOLLOWING PERIPHERALS:

- PRINTER
- MONITOR
- MODEM * 2

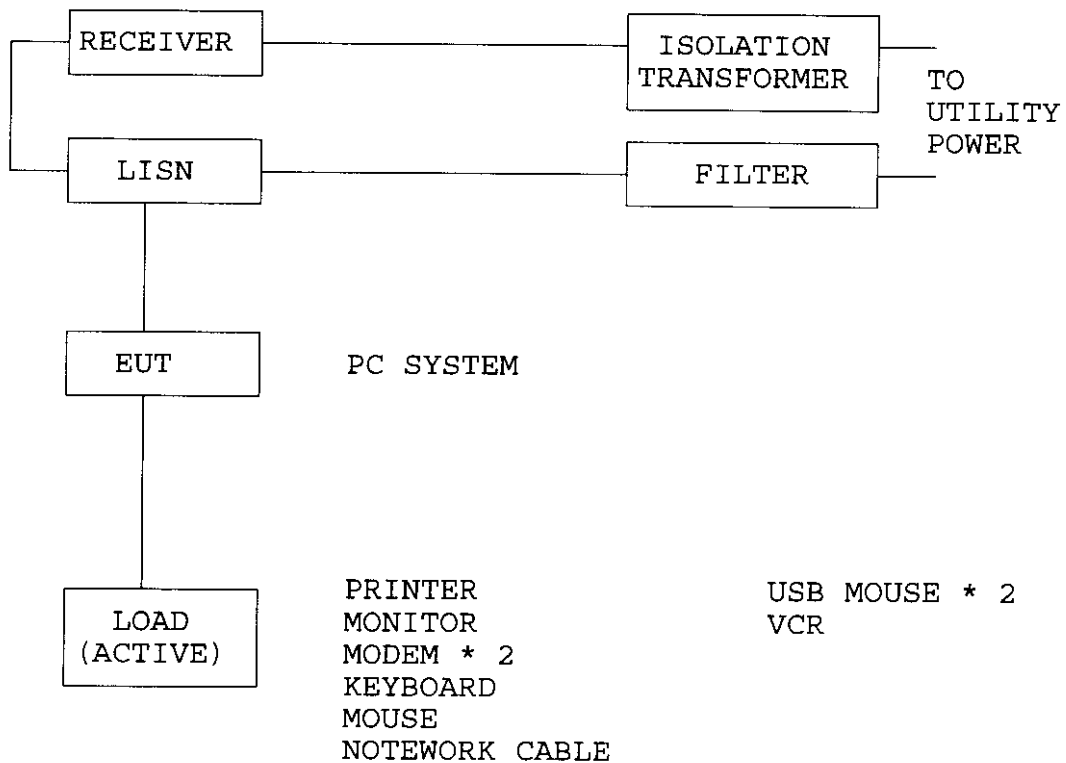
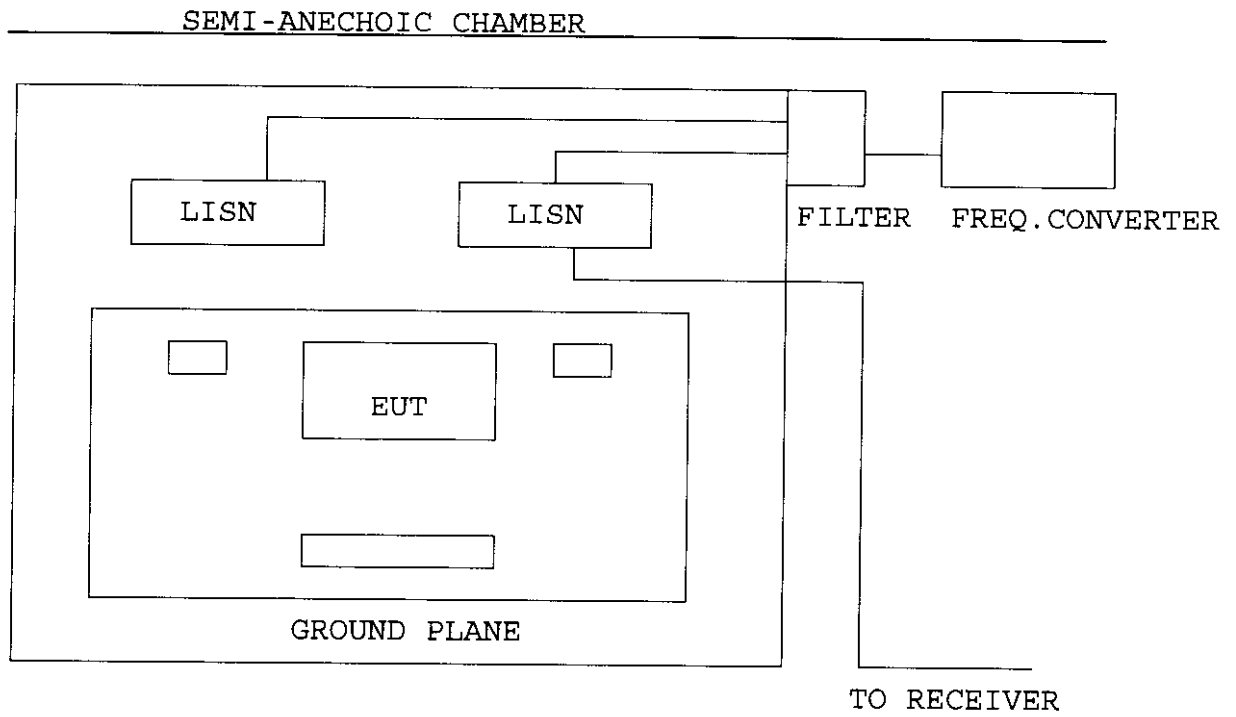
3. CPU : PENTIUM - 200MHz
CLOCK CHIP : 66MHz

4. RESOLUTION: 640 X 480
 1024 X 768
 1600 X 1200

5.4 TEST PROCEDURE

THE EUT WAS TESTED ACCORDING TO ANSI C63.4 - 1992. THE CONDUCTED TEST WAS PERFORMED IN AN ANECHOIC CHAMBER. THE FREQUENCY SPECTRUM FROM 0.45 MHz TO 30 MHz WAS INVESTIGATED. THE LISN USED WAS 50 ohm / 50 uHenry AS SPECIFIED BY SECTION 5.1 OF ANSI C63.4 - 1992. CABLES AND PERIPHERALS WERE MOVED TO FIND THE MAXIMUM EMISSION LEVELS FOR EACH FREQUENCY.

5.5 TEST SETUP



5.6 CONDUCTED POWER LINE EMISSION LIMIT

| FREQUENCY RANGE (MHz) | CLASS A | CLASS B |
|-----------------------|---------|---------|
| 0.045 - 1.705 | 1000 uV | 250 uV |
| 1.705 - 30 | 3000 uV | 250 uV |

NOTE : IN THE ABOVE TABLE, THE TIGHTER LIMIT
APPLIES AT THE BAND EDGES.

5.7 CONDUCTED POWER LINE TEST RESULT

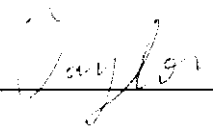
THE FREQUENCY SPECTRUM FROM 0.45 MHz TO 30 MHz WAS INVESTIGATED. ALL READINGS ARE QUASI-PEAK VALUES WITH A RESOLUTION BANDWIDTH OF 9 KHZ.

TEMPERATURE : 28 C

HUMIDITY : 78 %RH

| FREQUENCY (MHz) | LINE 1 (uv) | LINE 2 (uv) | LIMIT (uv) |
|-----------------|-------------|-------------|------------|
| 0.47 | 87.10 | 71.61 | 250 |
| 0.83 | 26.30 | 17.78 | 250 |
| 3.78 | 20.42 | 16.98 | 250 |
| 6.26 | 6.026 | 10.84 | 250 |
| 14.7 | 32.36 | 31.26 | 250 |
| | | | |
| | | | |
| | | | |
| | | | |

- REMARKS : (1) . * = MEMENT DOES NOT APPLY FOR THIS FREQUENCY
- (2) . UNCERTAINTY IN CONDUCTED EMISSION MEASURED IS <+/-2dB
- (3) . CPU: PENTIUM - 200MHz CLOCK CHIP : 66MHz
RESOLUTION: 640 X 480
- (4) . TEST CONFIGURATION PLEASE SEE 4.2
- (5) . TEST EQUIPMENT PLEASE SEE 4.1
- (6) . ANY DEPARTURE FROM SPECIFICATION : N/A

SIGNED BY TESTING ENGINEER : 

5.7 CONDUCTED POWER LINE TEST RESULT

THE FREQUENCY SPECTRUM FROM 0.45 MHz TO 30 MHz WAS INVESTIGATED. ALL READINGS ARE QUASI-PEAK VALUES WITH A RESOLUTION BANDWIDTH OF 9 KHZ.

TEMPERATURE : 28 C

HUMIDITY : 78 %RH

| FREQUENCY (MHz) | LINE 1 (uv) | LINE 2 (uv) | LIMIT (uv) |
|-----------------|-------------|-------------|------------|
| 0.47 | 88.10 | 60.95 | 250 |
| 0.83 | 26.00 | 25.12 | 250 |
| 3.90 | 16.98 | 17.38 | 250 |
| 14.7 | 29.51 | 30.90 | 250 |
| 26.3 | 44.16 | 55.59 | 250 |
| | | | |
| | | | |
| | | | |
| | | | |

- REMARKS : (1). * = MEMENT DOES NOT APPLY FOR THIS FREQUENCY
- (2). UNCERTAINTY IN CONDUCTED EMISSION MEASURED IS <+/-2dB
- (3). CPU: PENTIUM - 200MHz CLOCK CHIP : 66MHz
RESOLUTION: 1024X 768
- (4). TEST CONFIGURATION PLEASE SEE 4.2
- (5). TEST EQUIPMENT PLEASE SEE 4.1
- (6). ANY DEPARTURE FROM SPECIFICATION : N/A

SIGNED BY TESTING ENGINEER :

Taylor

5.7 CONDUCTED POWER LINE TEST RESULT

THE FREQUENCY SPECTRUM FROM 0.45 MHz TO 30 MHz WAS INVESTIGATED. ALL READINGS ARE QUASI-PEAK VALUES WITH A RESOLUTION BANDWIDTH OF 9 KHZ.

TEMPERATURE : 28 C

HUMIDITY : 78 %RH

| FREQUENCY (MHz) | LINE 1 (uv) | LINE 2 (uv) | LIMIT (uv) |
|-----------------|-------------|-------------|------------|
| 0.47 | 87.10 | 59.57 | 250 |
| 0.83 | 25.41 | 17.38 | 250 |
| 1.06 | 19.50 | * | 250 |
| 2.95 | * | 26.61 | 250 |
| 13.5 | 24.55 | * | 250 |
| 25.9 | * | 50.12 | 250 |
| | | | |
| | | | |
| | | | |

- REMARKS : (1) . * = MEMENT DOES NOT APPLY FOR THIS FREQUENCY
- (2) . UNCERTAINTY IN CONDUCTED EMISSION MEASURED IS <+/-2dB
- (3) . CPU: PENTIUM - 200MHz CLOCK CHIP : 66MHz
RESOLUTION: 1600X1200
- (4) . TEST CONFIGURATION PLEASE SEE 4.2
- (5) . TEST EQUIPMENT PLEASE SEE 4.1
- (6) . ANY DEPARTURE FROM SPECIFICATION : N/A

SIGNED BY TESTING ENGINEER :

Jaylen

6. RADIATED EMISSION TEST

6.1 TEST EQUIPMENT

THE FOLLOWING TEST EQUIPMENT WAS USED DURING THE
RADIATED EMISSION TEST :

| EQUIPMENT / FACILITIES | SPECIFICAT -IONS | MANUFACTUR -ER | MODEL#/ SERIAL# | DATE OF CAL. & CAL. CENTER | DUE DATE |
|---------------------------|------------------------|--------------------|------------------------|-------------------------------|-------------|
| RECEIVER | 20 MHz TO 1000 MHz | R & S | ESVS 30/ 841977/003 | MARCH, 1997 ITRI | 1Y |
| SPECTRUM ANALYZER | 100 Hz TO 1500 MHz | HP | 8568B/ 3019A05294 | OCT , 1997 ETC | 1Y |
| SPECTRUM ANALYZER | 9 KHz TO 22 GHz | HP | 8593E/ 3322A00670 | OCT, 1997 ETC | 1Y |
| SPECTRUM ANALYZER | 100 Hz TO 1000 MHz | IFR | A-7550/ 2684/1248 | AUGUST, 1997 ETC | 1Y |
| SPECTRUM ANALYZER | 9 KHz TO 2900 MHz | HP | 8594A/ 3229A00399 | MAY, 1997 ETC | 1Y |
| SIGNAL GENERATOR | 9 KHz TO 1080 MHz | ROHDE & SCHWARZ | SMY01/ 841104/019 | MAY, 1997 ETC | 1Y |
| DIPOLE ANTENNA | 28 MHz TO 1000 MHz | EMCO | 3121C/ 9003-535 | MARCH, 1997 SRT | 1Y |
| DIPOLE ANTENNA | 28 MHz TO 1000 MHz | EMCO | 3121C/ 9611-1239 | DEC, 1997 SRT | 1Y |
| BI-LOG ANTENNA | 26 MHz TO 2000 MHz | EMCO | 3142/ 96081-1073 | DEC, 1997 SRT | 1Y |
| BI-LOG ANTENNA | 26 MHz TO 1100 MHz | EMCO | 3143/ 9509-1152 | DEC, 1997 SRT | 1Y |
| PRE-AMPLIFIER | 0.1 MHz TO 1300 MHz | HP | 8447D/ 2944A08402 | MARCH, 1997 ETC | 1Y |
| PRE-AMPLIFIER | 0.1 MHz TO 1300 MHz | HP | 8447D/ 2944A06412 | OCT, 1997 ETC | 1Y |
| HORN ANTENNA | 1 GHz TO 18 GHz | EMCO | 3115/ 9012-3619 | DEC, 1997 SRT | 1Y |

6.2 CONFIGURATION OF THE EUT

SAME AS SECTION 5.4 OF THIS REPORT.

6.3 EUT OPERATING CONDITION

SAME AS SECTION 5.3 OF THIS REPORT.

6.4 TEST PROCEDURE

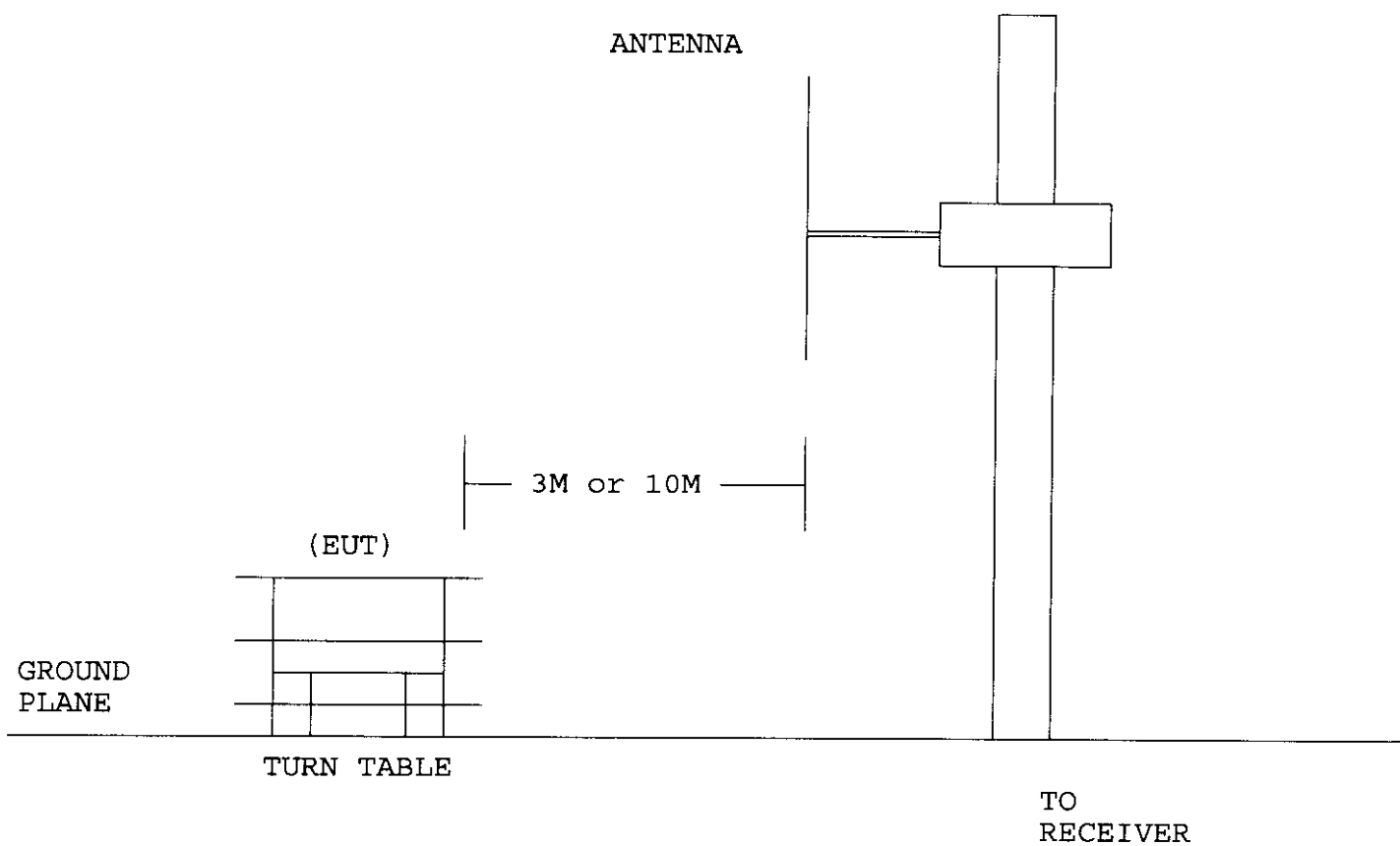
THE EUT WAS TESTED ACCORDING TO ANSI C63.4 - 1992. THE RADIATED TEST WAS PERFORMED AT SRT LAB'S OPEN SITE. THIS SITE IS ON FILE WITH THE FCC LABORATORY DIVISION, REFERENCE 31040/SIT.

THE FREQUENCY SPECTRUM FROM 30 MHz TO 2 GHz WAS INVESTIGATED. MEASUREMENTS WERE MADE AT THREE METERS WITH AN ADJUSTABLE DIPOLE ANTENNA. PERIPHERALS, CABLES, EUT ORIENTATION, AND ANTENNA HEIGHT WERE VARIED TO FIND THE MAXIMUM EMISSION FOR EACH FREQUENCY.

THE FREQUENCY SPECTRUM FROM 30 MHz TO 2 GHz WAS INVESTIGATED. THE MEASUREMENTS UNDER 1 GHz WITH RESOLUTION BANDWIDTH OF 120 KHz ARE QUASI-PEAK READING MADE AT THREE METERS USING AN ADJUSTABLE DIPOLE ANTENNA. PERIPHERALS, CABLES, EUT ORIENTATION, AND ANTENNA HEIGHT WERE VARIED TO FIND THE MAXIMUM EMISSION FOR EACH FREQUENCY.

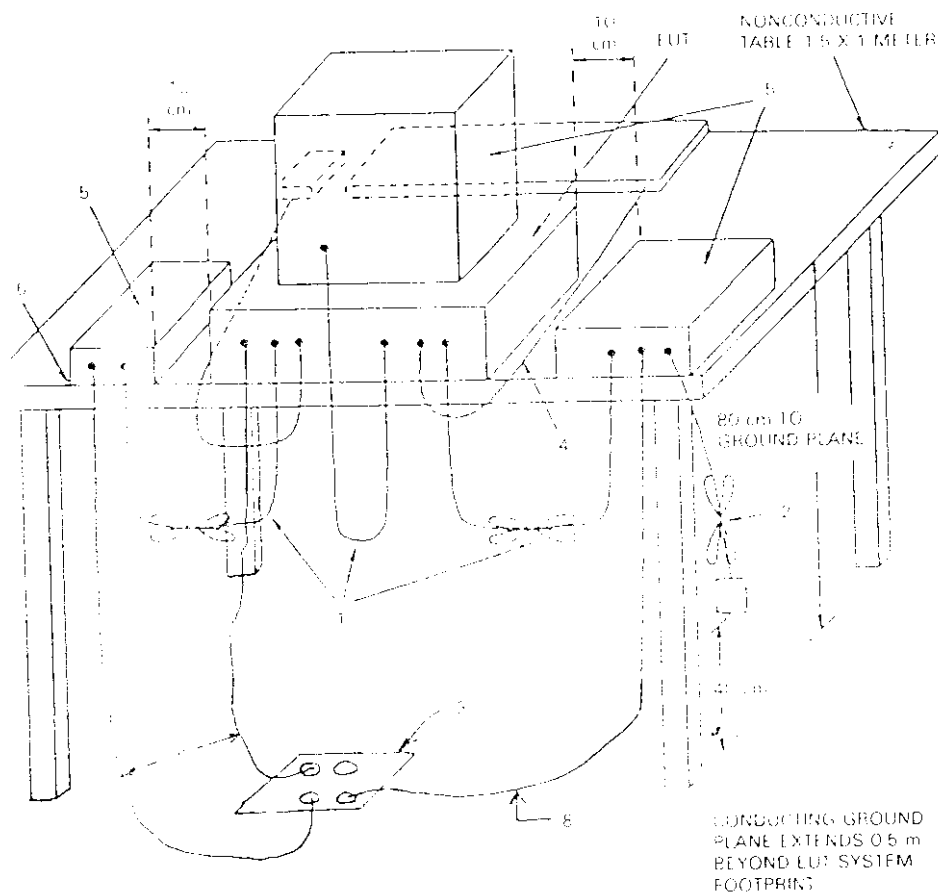
THE MEASUREMENTS ABOVE 1 GHz WITH A RESOLUTION BANDWIDTH OF 1 MHz ARE PEAK READING AT A DISTANCE OF THREE METERS WITH A HORN ANTENNA.

6.5 RADIATED TEST SETUP



6. PREPARED TEST SETUP

AND ELECTRONIC EQUIPMENT IN THE RANGE OF 9 kHz TO 40 GHz
ANSI
C63.4-1992



- Connecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth as a bundle 30 to 40 cm long, hanging approximately in the middle between ground plane and table.
- Cables that are connected to a peripheral shall be bundled in center. The end of the cable may be terminated if required using correct terminating impedance. The total length shall not exceed 1 m.
- If cables are kept in the test setup for radiated emissions, it is preferred that they be installed under the table with the receptacle flush with the ground plane.
- If hand-operated devices, such as keyboards, mouses, etc., have to be placed as close as possible to the controller.
- EUT components of EUT system being tested.
- Rear of all components of the system under test shall be located flush with the rear of the table.
- Vertical conducting wall used.
- Cables drape to the floor and are routed over to receptacle.

6.6 RADIATED EMISSION LIMIT

ALL EMISSION FROM A DIGITAL DEVICE, INCLUDING ANY NETWORK OF CONDUCTORS AND APPARATUS CONNECTED THERETO, SHALL NOT EXCEED THE LEVEL OF FIELD STRENGTH SPECIFIED BELOW :

CLASS B

| FREQUENCY (MHz) | DISTANCE (m) | FIELD STRENGTH (uV/m) |
|--------------------|-----------------|--------------------------|
| 30 - 88 | 3 | 100 |
| 88 - 216 | 3 | 150 |
| 216 - 960 | 3 | 200 |
| ABOVE 960 | 3 | 500 |

CLASS B (OPEN CASE)

| FREQUENCY (MHz) | DISTANCE (m) | FIELD STRENGTH (uV/m) |
|--------------------|-----------------|--------------------------|
| 30 - 88 | 3 | 199.5 |
| 88 - 216 | 3 | 298.5 |
| 216 - 960 | 3 | 398.1 |

CLASS A

| FREQUENCY (MHz) | DISTANCE (m) | FIELD STRENGTH (uV/m) |
|--------------------|-----------------|--------------------------|
| 30 - 88 | 3 | 316.3 |
| 88 - 216 | 3 | 473.2 |
| 216 - 960 | 3 | 613.0 |
| ABOVE 960 | 3 | 1000.0 |

- NOTE : 1. IN THE EMISSION TABLES ABOVE, THE TIGHTER LIMIT APPLIES AT THE BAND EDGES.
2. DISTANCE REFERS TO THE DISTANCE BETWEEN MEASURING INSTRUMENT, ANTENNA, AND THE CLOSEST POINT OF ANY PART OF THE DEVICE OR SYSTEM.

6.7 RADIATED EMISSION TEST RESULT

THE FREQUENCY SPECTRUM FROM 30 MHz TO 2 GHz WAS INVESTIGATED. ALL READINGS UNDER 1 GHz ARE QUASI-PEAK VALUES WITH A RESOLUTION BANDWIDTH OF 120 KHZ. MEASUREMENTS WERE MADE AT 3 METERS.

THE MEASUREMENTS ABOVE 1 GHz WITH A RESOLUTION BANDWIDTH OF 1 MHz ARE PEAK READING AT A DISTANCE OF 3 METERS.

TEMPERATURE : 28 CHUMIDITY : 78 %RH

| FREQ. (MHz) | CABLE LOSS (dB) | ANT. FACTOR (dB) | READING (dBuV) | | EMISSION (uV) | | LMTS (uV) |
|----------------|-----------------------|------------------------|----------------|-------|---------------|-------|--------------|
| | | | HORIZ | VERT | HORIZ | VERT | |
| 98.87 | 1.2 | 7.40 | 28.34 | 26.26 | 70.31 | 55.34 | 150 |
| 130.9 | 1.4 | 8.10 | 27.72 | 26.18 | 72.61 | 60.81 | 150 |
| 165.8 | 1.6 | 8.90 | 28.05 | 22.21 | 84.63 | 43.20 | 150 |
| 699.3 | 3.4 | 20.2 | 15.09 | 14.99 | 86.00 | 85.02 | 200 |
| 802.1 | 3.5 | 20.6 | 18.04 | 17.79 | 127.9 | 124.2 | 200 |
| 984.5 | 4.1 | 22.5 | 15.17 | 15.93 | 122.6 | 133.8 | 200 |
| | | | | | | | |
| | | | | | | | |

REMARKS : (1). MEASUREMENT DOES NOT APPLY FOR THIS FREQUENCY.

(2). THE MAXIMUM CONDITION WAS WITH THE MONITOR POWER CORD CONNECTED TO THE PERSONAL COMPUTER.

(3). CPU : PENTIUM - 200MHz CLOCK CHIP : 66MHz
RESOLUTION: 640 X 480

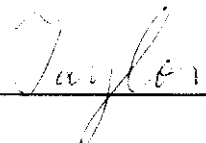
(4). SAMPLE CALCULATION
 $20 \text{ LOG (EMISSION) uV/m} = \text{CABLE LOSS (dB)} + \text{FACTOR (dB)} + \text{READING (dBuV/m)}$

(5). TEST EQUIPMENT PLEASE SEE 5.1

(6). UNCERTAINTY IN RADIATED EMISSION MEASURED IS $<+/-4\text{dB}$

(7). ANY DEPARTURE FROM SPECIFICATION : N/A

SIGNED BY TESTING ENGINEER :



6.7 RADIATED EMISSION TEST RESULT

THE FREQUENCY SPECTRUM FROM 30 MHz TO 2 GHz WAS INVESTIGATED. ALL READINGS UNDER 1 GHz ARE QUASI-PEAK VALUES WITH A RESOLUTION BANDWIDTH OF 120 KHz. MEASUREMENTS WERE MADE AT 3 METERS.

THE MEASUREMENTS ABOVE 1 GHz WITH A RESOLUTION BANDWIDTH OF 1 MHz ARE PEAK READING AT A DISTANCE OF 3 METERS.

TEMPERATURE : 28 C

HUMIDITY : 78 %RH

| FREQ. (MHz) | CABLE LOSS (dB) | ANT. FACTOR (dB) | READING (dBuV) | | EMISSION (uV) | | LMTS (uV) |
|----------------|-----------------------|------------------------|----------------|-------|---------------|-------|--------------|
| | | | HORIZ | VERT | HORIZ | VERT | |
| 97.90 | 1.2 | 7.40 | 30.81 | 28.36 | 93.43 | 70.47 | 150 |
| 165.8 | 1.6 | 8.90 | 24.55 | 22.41 | 56.56 | 44.21 | 150 |
| 272.5 | 2.0 | 13.1 | 23.83 | 19.44 | 88.41 | 53.33 | 200 |
| 327.8 | 2.2 | 14.7 | 14.83 | 20.83 | 38.59 | 77.00 | 200 |
| 699.3 | 3.4 | 20.2 | 15.19 | 13.89 | 87.00 | 74.90 | 200 |
| 802.1 | 3.5 | 20.6 | 16.54 | 16.38 | 107.6 | 105.7 | 200 |
| | | | | | | | |
| | | | | | | | |

REMARKS : (1). MEASUREMENT DOES NOT APPLY FOR THIS FREQUENCY.

(2). THE MAXIMUM CONDITION WAS WITH THE MONITOR POWER CORD CONNECTED TO THE PERSONAL COMPUTER.

(3). CPU : PENTIUM - 200MHz CLOCK CHIP : 66MHz
RESOLUTION: 1024 X 768

(4). SAMPLE CALCULATION
 $20 \text{ LOG}(\text{EMISSION}) \text{ uV/m} = \text{CABLE LOSS (dB)} + \text{FACTOR (dB)} + \text{READING (dBuV/m)}$

(5). TEST EQUIPMENT PLEASE SEE 5.1

(6). UNCERTAINTY IN RADIATED EMISSION MEASURED IS <+/-4dB

(7). ANY DEPARTURE FROM SPECIFICATION : N/A

SIGNED BY TESTING ENGINEER :

Taylor

6.7 RADIATED EMISSION TEST RESULT

THE FREQUENCY SPECTRUM FROM 30 MHz TO 2 GHz WAS INVESTIGATED. ALL READINGS UNDER 1 GHz ARE QUASI-PEAK VALUES WITH A RESOLUTION BANDWIDTH OF 120 KHZ. MEASUREMENTS WERE MADE AT 3 METERS.

THE MEASUREMENTS ABOVE 1 GHz WITH A RESOLUTION BANDWIDTH OF 1 MHz ARE PEAK READING AT A DISTANCE OF 3 METERS.

TEMPERATURE : 28 CHUMIDITY : 78 %RH

| FREQ. (MHz) | CABLE LOSS (dB) | ANT. FACTOR (dB) | READING (dBuV) | | EMISSION (uV) | | LMTS (uV) |
|----------------|-----------------------|------------------------|----------------|-------|---------------|-------|--------------|
| | | | HORIZ | VERT | HORIZ | VERT | |
| 98.87 | 1.2 | 7.40 | 28.44 | 25.86 | 71.12 | 52.84 | 150 |
| 165.8 | 1.6 | 8.90 | 28.35 | 22.91 | 87.60 | 46.83 | 150 |
| 222.1 | 1.8 | 10.7 | 28.15 | 26.39 | 107.8 | 88.00 | 200 |
| 283.2 | 2.0 | 13.1 | 26.12 | 23.28 | 115.1 | 82.99 | 200 |
| 400.5 | 2.2 | 15.6 | 13.98 | 17.38 | 38.82 | 57.41 | 200 |
| 699.3 | 3.4 | 20.2 | 15.89 | 14.59 | 94.30 | 81.19 | 200 |
| 802.1 | 3.5 | 20.6 | 17.14 | 17.48 | 115.3 | 119.9 | 200 |
| | | | | | | | |

REMARKS : (1). MEASUREMENT DOES NOT APPLY FOR THIS FREQUENCY.

(2). THE MAXIMUM CONDITION WAS WITH THE MONITOR POWER CORD CONNECTED TO THE PERSONAL COMPUTER.

(3). CPU : PENTIUM - 200MHz CLOCK CHIP : 66MHz
RESOLUTION: 1600 X 1200

(4). SAMPLE CALCULATION
 $20 \text{ LOG}(\text{EMISSION}) \text{ uV/m} = \text{CABLE LOSS (dB)} + \text{FACTOR (dB)} + \text{READING (dBuV/m)}$

(5). TEST EQUIPMENT PLEASE SEE 5.1

(6). UNCERTAINTY IN RADIATED EMISSION MEASURED IS $\pm 4\text{dB}$

(7). ANY DEPARTURE FROM SPECIFICATION : N/A

SIGNED BY TESTING ENGINEER :