EMI TESTING REPORT

EUT : PC SYSTEM

MODEL: CM0103

FCCID: EUNCM0103

PREPARED FOR:

FIRST INTERNATIONL COMPUTER, INC.

6F., FORMOSA PLASTICS REAR BUILDING

201-24, TUNG HWA N. RD.,

TAIPEI, TAIWAN, R.O.C.

PREPARED BY:

SPECTRUM RESEARCH & TESTING
LABORATORY INC.

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CHUNG-LI CITY, TAOYUAN, TAIWAN, R.O.C.

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TABLE OF CONTENTS

1. TEST REPORT CERTIFICATION.....4

2. TEST STATEMENT

2.1 TEST STATEMENT.....5

2.2 DEPARTURE FROM DOCUMENT POLICIES, PROCEDURE OR SPECIFICATIONS.....6

3. EUT MODIFICATIONS.....7

4. MODIFICATION LETTER.....8

5. CONDUCTED POWER LINE TEST

5.1 TEST EQUIPMENT.....9

5.2 TEST PROCEDURE.....10-11

5.3 EUT OPERATING CONDITION.....12

5.4 TEST PROCEDURE.....13

5.5 TEST SETUP.....14

5.6 RADIATED EMISSION LIMIT.....15

5.7 CONDUCTED POWER LINE TEST RESULT.....16-23

6. RADIATED EMISSION TEST

6.1 TEST EQUIPMENT.....24

6.2 CONFIGURATION OF THE EUT.....25

6.3 EUT OPERATING CONDITION.....25

6.4 TEST PROCEDURE.....25

6.5 TEST SETUP.....26-27

6.6 RADIATED EMISSION LIMIT.....28

6.7 RADIATED EMISSION TEST RESULT.....29-36

7. PHOTOS OF TESTING.....37-90

1. TEST REPORT CERTIFICATION

APPLICANT : FIRST INTERNATIONAL COMPUTER, INC.

ADDRESS : 6F., FORMOSA PLASTICS REAR BUILIDING
201-24, TUNG HWA N. RD.,
TAIPEI, TAIWAN, R.O.C.

EUT DESCRIPTION : PC SYSTEM

(A) POWER SUPPLY : 115/230V

(B) MODEL : CM0103

(C) FCCID : EUNCM0103

FINAL TEST DATE : 07/31/1998

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 : Taylor Ho DATE 7/31/98

SUPERVISOR : Jesse Ho DATE 7/31/98

APPROVED BY : Johnson Ho DATE 7/31/98

# 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: IBM MX-300: 225MHz** | **CPU Clock Signal: 75 MHz** |
| **CPU: IBM MX-300: 233MHz** | **CPU Clock Signal: 66 MHz** |
| **CPU: AMD K6/2 : 300MHz** | **CPU Clock Signal: 66 MHz** |
| **CPU: AMD K6/2 : 333MHz** | **CPU Clock Signal: 66 MHz** |

**VGA RESOLUTION : 1024*768**

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

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:

NO MODIFICATION BY SRT LAB.

4. MODIFICATION LETTER

THIS SECTION CONTAINS THE FOLLOWING DOCUMENTS:

A. LETTER OF MODIFICATIONS

大衆電腦股份有限公司
FIRST INTERNATIONAL COMPUTER, INC.
台北市敦化北路201號之24 台塑大樓後棟6樓
6F., FORMOSA PLASTICS REAR BUILDING
201, TUNG HWA N. ROAD, TAIPEI, TAIWAN
TEL:(02)717-4500 (代表線)
FAX:(02)712-0231

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

To whom it may concern:

This is to serve as proper notice that our company agrces to make all modifications to FCCID: EUNCM0103 as listed in section 3.0 of the test report submitted by Spectrum Research andTesting Laboratory,Inc.

Respectfully,

JEFF HSUE
(Name,Surname)

(Position/Title)

DATE: 5/22/97

Effective Dates:

From 5/1/97 to 5/1/99

## 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 | APRIL, 1998 ITRI | 1Y |
| POWER CONVERTER | 0 TO 300 VAC 47 - 500 Hz | AFC | AFC-1KW/ 850510 | APRIL, 1998 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 STSTEM | FIRST INTERNATIONAL COMPUTER, INC. | CM0103 | EUNCM0103 |

-REMARK

-INTERNAL DEVICES

| DEVICE | MANUFACTURER | MODEL # | FCCID/DoC |
|---|---|---|---|
| MAIN BOARD | FIC | CM0103 | N/A |
| POWER SUPPLY | HIPRO | HP-Q075YF5 | DoC |
| POWER SUPPLY | DELTA | DPS-75UB | DoC |
| HDD | SEAGATE | ST32111A 2.1GB | N/A |
| HDD | SEAGATE | ST34323A 4.3GB | N/A |
| HDD | SEAGATE | ST38641A 8.0GB | N/A |
| HDD | FUJITSU | FB11 2.1GB | N/A |
| HDD | JTS | C4300-3AS 4.3GB | N/A |
| FDD(3.5") | NEC | FD1231T | N/A |
| FDD(3.5") | MITSUBISHI | MF355F-3494UL | N/A |
| CD ROM | TRAY LOAD | CRD-8320B | BEJCRD-8320B |
| CD ROM | LITEON | LTN-301 | DoC |
| CD ROM | PANASONIC | CR-588-CCQ | DoC |
| SDRAM | HYU | N/A | N/A |
| SDRAM | LGS | N/A | N/A |
| SDRAM | MITSUBISHI | N/A | N/A |
| SDRAM | NEC | N/A | N/A |
| RISER CARD(WITH/ NIC) | CM0103 | N/A | DoC |
| RISER CARD(W/O NIC) | CM0103 | N/A | DoC |
| MODEM CARD | SHETLAND | 007201-003 | DoC |
| MODEM CARD | ZEPHYR | M1-5614PM3 | DoC |
| MODEM CARD | DIAMOND | 007201-003 | DoC |

- PERIPHERALS

| DEVICE | MANUFAC-TURER | MODEL# / SERIAL# | FCCID | CABLE |
|---|---|---|---|---|
| MONITOR | PHILIPS | 14B1320W | A3KM064 | POWER-UNS DATA -S |
| PRINTER | HP | 2225C+ | DSI6XU2225 | POWER-UNS DATA -S |
| MODEM | SMARTEAM | 103/212A | EF56A5103/212A | POWER-UNS DATA -S |
| KEYBOARD | CRIBBEAN | SK-2700 | GYUR55SK | DATA -UNS |
| KEYBOARD | NMB | 122741-001 | AQ6-71Z15 | DATA -UNS |
| MOUSE | LOGITECH | M-S34 | DZL211029 | DATA -UNS |
| MOUSE | PRIMAX | MUS9JN | EMJMUSJR | DATA -UNS |
| USB MOUSE | ABIT | 97M32U | M5497M32U | DATA -S |
| USB MOUSE | ABIT | 97M32U | M5497M32U | DATA -S |
| SPEAKER | J-S | J-003 | N/A | DATA -S |
| MICROPHONE | TAKY | UDM-606 | N/A | DATA -S |
| EARPHONE | ALWA | HP-V141 | N/A | DATA -S |
| EARPHONE | ALWA | HP-V141 | N/A | DATA -S |
| TELEPHONE | PANASONIC | VB-9211EX | N/A | DATA -S |
| JOYSTICK | CH | 4620176 | N/A | DATA -S |

-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
   - KEYBOARD
   - HDD
   - FDD

3. CONNECT RISER CARD (WITH NIC) TO FILE SERVE AND SENT SIGNAL BETWEEN FILE SERVE & RISER CARD (WITH NIC)

4. CD ROM PLAY MUSIC

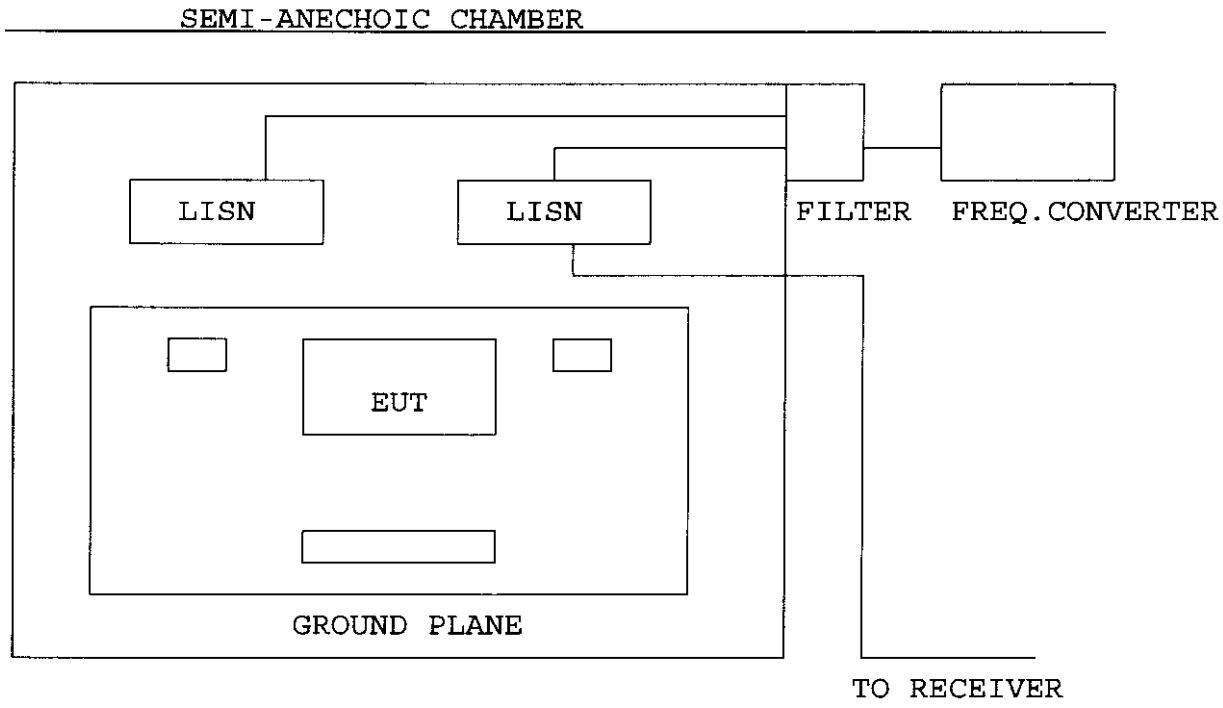
5. CPU : IBM MX-300 : 225MHz
   CLOCK CHIP : 75MHz
   CPU : IBM MX-300 : 233MHz
   CLOCK CHIP : 66MHz
   CPU : AMD K6/2 : 300MHz
   CLOCK CHIP : 66MHz
   CPU : AMD K6/2 : 333MHz
   CLOCK CHIP : 66MHz

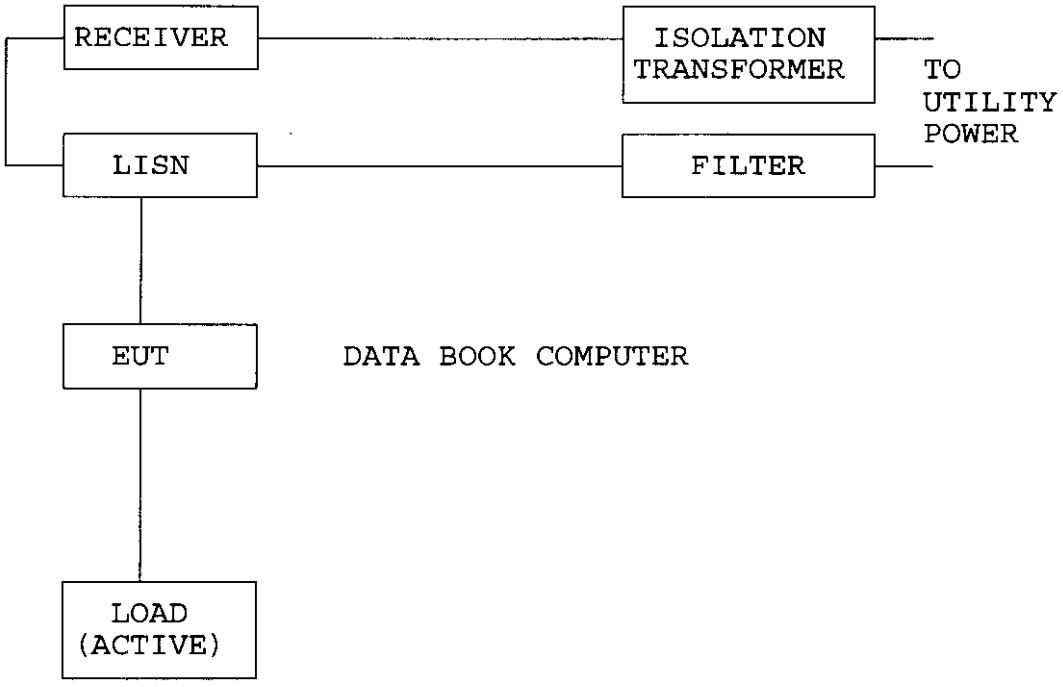
   VGA RESULOTION : 1024*768

## 5.4 TEST PROCEDURE

THE EUT WAS TESTED ACCORDING TO ANSI C63.4 - 1992. THE CONDUCTED TEST WAS PERFORMED ACCORDING TO ANSI C63.4 7.2 TEST PROCEDURES. 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) |
|---|---|---|---|
| 0.69 | 37.58 | 36.73 | 250 |
| 0.77 | 37.58 | 39.36 | 250 |
| 3.58 | 7.240 | * | 250 |
| 10.0 | 18.20 | 21.88 | 250 |
| 26.0 | 38.02 | 38.90 | 250 |
| | | | |
| | | | |
| | | | |
| | | | |

REMARKS : (1).* = MEMENT DOES NOT APPLY FOR THIS FREQUENCY

(2).UNCERTAINTY IN CONDUCTED EMISSION MEASURED IS <+/-2dB

(3).CPU: IBM MX-300 :225MHz CLOCK CHIP : 75MHz
WITH HIPRO POWER
WITH RISER CARD W/O NIC
HDD:SEAGATE 4.3GB
FDD:MITSUBLSHI
CD ROM:LITEON
SDRAM:LGS
MODEM CARD:MIAMOND

(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) |
|---|---|---|---|
| 0.82 | 46.24 | 130.3 | 250 |
| 1.17 | * | 125.9 | 250 |
| 4.45 | 52.48 | * | 250 |
| 10.7 | 109.6 | 95.50 | 250 |
| 23.1 | 91.20 | 118.9 | 250 |
| | | | |
| | | | |
| | | | |
| | | | |

REMARKS : (1).* = MEMENT DOES NOT APPLY FOR THIS FREQUENCY

(2).UNCERTAINTY IN CONDUCTED EMISSION MEASURED IS <+/-2dB

(3).CPU: IBM MX-300 :225MHz CLOCK CHIP : 75MHz
WITH DOLTA POWER
WITH RISER CARD W/O NIC
HDD:SEAGATE 2.1GB
FDD:NEC
CD ROM:TRAY LOAD
SDRAM HYU
MODEM CARD:SHETLAND

(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) |
|---|---|---|---|
| 0.70 | 27.54 | 40.74 | 250 |
| 0.77 | 39.81 | 38.90 | 250 |
| 1.49 | 41.21 | 26.92 | 250 |
| 4.03 | 8.040 | 6.610 | 250 |
| 9.93 | 16.79 | 16.98 | 250 |
| 26.6 | 26.00 | 24.55 | 250 |
| | | | |
| | | | |
| | | | |

REMARKS : (1).* = MEMENT DOES NOT APPLY FOR THIS FREQUENCY

(2).UNCERTAINTY IN CONDUCTED EMISSION MEASURED IS <+/-2dB

(3).CPU: IBM MX-300 :233MHz CLOCK CHIP : 66MHz
WITH HIPRO POWER
WITH RISER CARD W/O NIC
HDD:SEAGATE 8GB
FDD:NEC
CD ROM:PANASONIC
SDRAM:MITSUBISHI
MODEM CARD:DIAMOND

(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) |
|---|---|---|---|
| 0.49 | 28.84 | 139.6 | 250 |
| 0.82 | 40.74 | 128.8 | 250 |
| 1.15 | 53.09 | 118.9 | 250 |
| 3.13 | 50.12 | 89.13 | 250 |
| 4.36 | 39.81 | * | 250 |
| | | | |
| | | | |
| | | | |
| | | | |

REMARKS : (1).* = MEMENT DOES NOT APPLY FOR THIS FREQUENCY

(2).UNCERTAINTY IN CONDUCTED EMISSION MEASURED IS <+/-2dB

(3).CPU: IBM MX-300 :233MHz CLOCK CHIP : 66MHz
WITH DELTA POWER
WITH RISER CARD W/O NIC
HDD:FUJITSU 2.1GB
FDD:MITSUBISHI
CD ROM:TRAY LOAD
SDRAM:NEC
MODEM CARD:SHETLAND

(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) |
|---|---|---|---|
| 0.52 | 16.60 | 5.880 | 250 |
| 1.22 | 19.72 | * | 250 |
| 2.99 | 3.98 | 5.820 | 250 |
| 4.14 | 3.590 | * | 250 |
| 10.4 | * | 41.21 | 250 |
| | | | |
| | | | |
| | | | |
| | | | |

REMARKS : (1).* = MEMENT DOES NOT APPLY FOR THIS FREQUENCY

(2).UNCERTAINTY IN CONDUCTED EMISSION MEASURED IS <+/-2dB

(3).CPU: AMD K6/2 :300MHz CLOCK CHIP : 66MHz
WITH HIPRO POWER
WITH RISER CARD WITH NIC
HDD:JTS 4.3GB
FDD:NEC
CD ROM:LITEON
SDRAM:HYU
MODEM CARD:ZEPHYR

(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) |
|---|---|---|---|
| 0.82 | 43.65 | 121.6 | 250 |
| 1.15 | 51.29 | 117.5 | 250 |
| 2.47 | * | 90.16 | 250 |
| 4.83 | 25.70 | * | 250 |
| 11.6 | 52.48 | 51.88 | 250 |
| 23.1 | 100.0 | 114.8 | 250 |
| | | | |
| | | | |
| | | | |

REMARKS : (1).* = MEMENT DOES NOT APPLY FOR THIS FREQUENCY

(2).UNCERTAINTY IN CONDUCTED EMISSION MEASURED IS <+/-2dB

(3).CPU: AMD K6/2 :300MHz CLOCK CHIP : 66MHz
WITH DELTA POWER
WITH RISER CARD WITH NIC
HDD:SEAGATE 2.1GB
FDD:MITSUBISHI
CD ROM:PANASONIC
SDRAM:LGS
MODEM CARD:DIAMOND

(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

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) |
|---|---|---|---|
| 0.53 | 16.98 | 6.610 | 250 |
| 1.50 | * | 28.18 | 250 |
| 3.16 | 9.770 | * | 250 |
| 6.18 | 18.84 | * | 250 |
| 9.54 | * | 20.42 | 250 |
| | | | |
| | | | |
| | | | |
| | | | |

REMARKS : (1).* = MEMENT DOES NOT APPLY FOR THIS FREQUENCY

(2).UNCERTAINTY IN CONDUCTED EMISSION MEASURED IS <+/-2dB

(3).CPU: AMD K6/2 :333MHz CLOCK CHIP : 66MHz
WITH HIPRO POWER
WITH RISER CARD WITH NIC
HDD:SEAGATE 4.3GB
FDD:NEC
CD ROM:TRAY LOAD
SDRAM:MITSUBISHI
MODEM CARD:SHETLAND

(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 : Tonglen

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 | 19.50 | 136.5 | 250 |
| 0.82 | 44.16 | 123.0 | 250 |
| 1.15 | 50.70 | 121.6 | 250 |
| 3.86 | * | 74.99 | 250 |
| 8.22 | 11.09 | * | 250 |
| | | | |
| | | | |
| | | | |
| | | | |

REMARKS : (1).* = MEMENT DOES NOT APPLY FOR THIS FREQUENCY

(2).UNCERTAINTY IN CONDUCTED EMISSION MEASURED IS <+/-2dB

(3).CPU: AMD K6/2 :333MHz CLOCK CHIP : 66MHz
WITH DELTA POWER
WITH RISER CARD WITH NIC
HDD:SEAGATE 8GB
FDD:MITSUBISHI
CD ROM:LITEON
SDRAM:NEC
MODEM CARD:ZEPHYR

(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 : _____

## 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 | APRIL, 1998 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 | APRIL,1998 ITRI | 1Y |
| SPECTRUM ANALYZER | 100 Hz TO 1000 MHz | IFR | A-7550/ 2684/1248 | JULY, 1998 ETC | 1Y |
| SIGNAL GENERATOR | 9 KHz TO 1080 MHz | ROHDE & SCHWARZ | SMY01/ 841104/019 | APRIL,1998 ITRI | 1Y |
| DIPOLE ANTENNA | 28 MHz TO 1000 MHz | EMCO | 3121C/ 9003-535 | DEC, 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 | APRIL, 1998 ITRI | 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

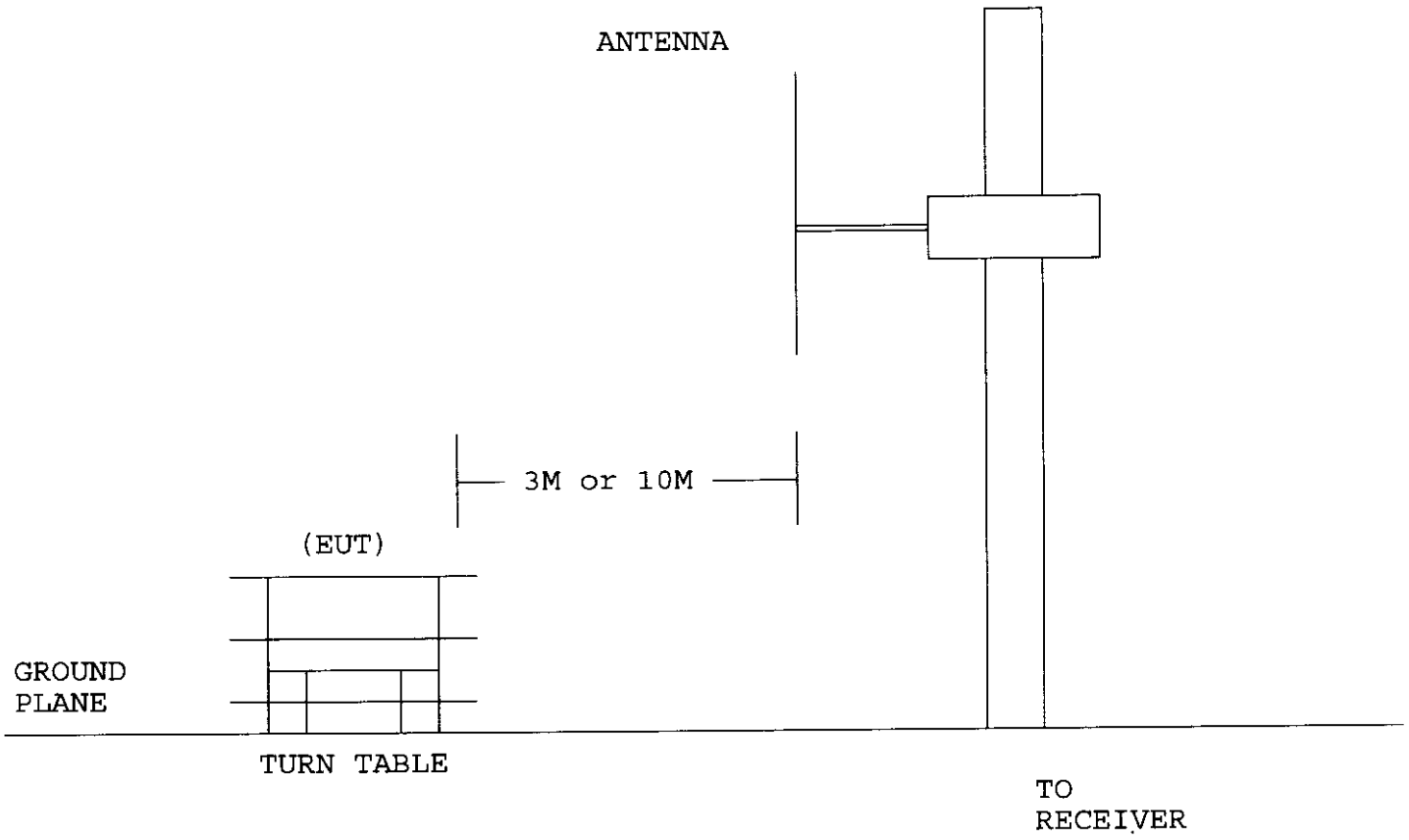
THE EUT WAS TESTED ACCORDING TO ANSI C63.4 - 1992. THE RADIATED TEST WAS PERFORMED AT SRT LAB's OPEN SITE. THIS SITE IS ON FILE WITH THE FCC LABORATORY DIVISION, REFERENCE 31040/SIT.

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 MAXTMUM EMISSION FOR EACH FREQUENCY.

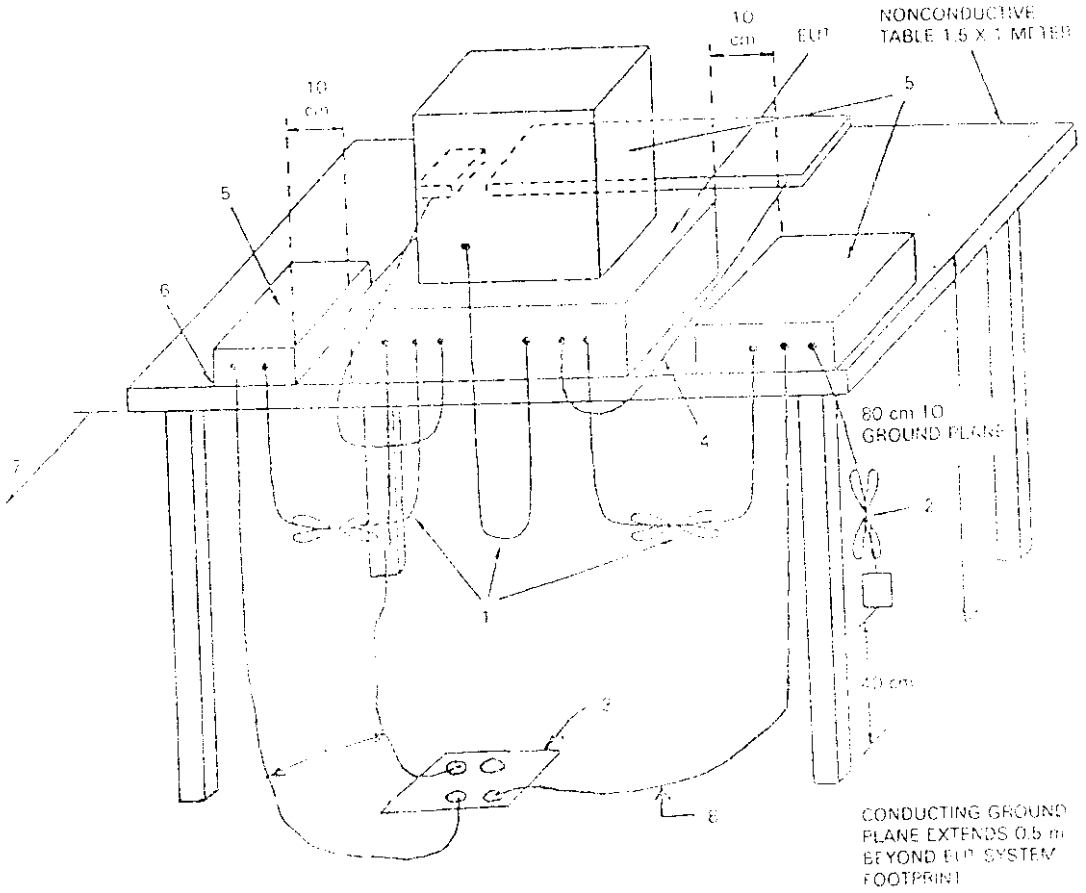
THE MEASUREMENTS ABOVE 1 GHz WITH A RESOLUTION BANDWIDTH OF 1 MHz ARE PEAK READING AT A DISTANCE OF THREE METERS WITH A HORN ANTENNA.

6.5 RADIATED TEST SETUP



## 6.5 RADIATED TEST SETUP






LEGEND:

1. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth forming a bundle 30 to 40 cm long, hanging approximately in the middle between ground plane and table.
2. I/O 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.
3. If LISNs are kept in the test setup for radiated emissions, it is preferred that they be installed under the ground plane with the receptacle flush with the ground plane.
4. Cables of hand-operated devices, such as keyboards, mouses, etc., have to be placed as close as possible to the controller.
5. Non-EUT components of EUT system being tested.
6. The rear of all components of the system under test shall be located flush with the rear of the table.
7. No vertical conducting wall used.
8. Power cords 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 C HUMIDITY : 78 %RH

| FREQ. (MHz) | CABLE LOSS (dB) | ANT. FACTOR (dB) | READING(dBuV) | | EMISSION(uV) | | LMTS (uV) |
|---|---|---|---|---|---|---|---|
| | | | HORIZ | VERT | HORIZ | VERT | |
| 185.2 | 1.70 | 9.10 | 24.93 | 21.29 | 61.64 | 40.23 | 150 |
| 335.6 | 1.20 | 14.7 | 15.81 | 15.51 | 38.50 | 37.20 | 200 |
| 523.0 | 3.00 | 17.9 | 14.39 | 15.41 | 58.14 | 65.39 | 200 |
| 824.4 | 3.60 | 21.2 | 12.72 | 12.22 | 75.16 | 70.96 | 200 |
| 971.9 | 4.1 | 22.5 | * | 17.05 | * | 152.2 | 500 |
| | | | | | | | |
| | | | | | | | |

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 : IBM MX-300 : 225MHz CLOCK CHIP : 75MHz
WITH HIPRO POWER
WITH RISER CARD W/O NIC
HDD:SEAGATE 4.3GB
FDD:MITSUBISHI
CD ROM:LITEON
SDRAM:LGS
MODEM CARD:MIAMOND
(4). SAMPLE CALCULATION
20 LOG(EMISSION)uV/m = CABLE LOSS(dB)+FACTOR(dB)+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 : _____

## 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 | |
| 43.58 | 0.80 | 9.80 | * | 24.40 | * | 56.23 | 100 |
| 186.2 | 1.70 | 9.90 | 24.59 | 21.39 | 64.49 | 44.62 | 150 |
| 337.5 | 1.20 | 14.7 | 14.32 | 14.42 | 32.43 | 32.81 | 200 |
| 522.8 | 3.00 | 17.9 | 16.89 | 15.86 | 77.54 | 68.87 | 200 |
| 972.8 | 4.1 | 22.5 | 13.16 | 15.65 | 97.27 | 129.6 | 500 |
| | | | | | | | |
| | | | | | | | |

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 : IBM MX-300 : 225MHz CLOCK CHIP : 75MHz
WITH DOLTA POWER
WITH RISER CARD W/O NIC
HDD:SEAGATE 2.1GB
FDD:NEC
CD ROM:TRAY LOAD
SDRAM HYU
MODEM CARD:SHETLAND
(4). SAMPLE CALCULATION
20 LOG(EMISSION)uV/m = CABLE LOSS(dB)+FACTOR(dB)+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 C HUMIDITY : 78 %RH

| FREQ. (MHz) | CABLE LOSS (dB) | ANT. FACTOR (dB) | READING(dBuV) | | EMISSION(uV) | | LMTS (uV) |
|---|---|---|---|---|---|---|---|
| | | | HORIZ | VERT | HORIZ | VERT | |
| 66.86 | 1.00 | 7.50 | 23.51 | * | 39.86 | * | 100 |
| 198.8 | 1.70 | 9.90 | 22.49 | 23.77 | 50.64 | 58.68 | 150 |
| 299.7 | 2.20 | 14.5 | 14.86 | 19.74 | 37.84 | 66.37 | 200 |
| 575.1 | 3.00 | 18.8 | 12.36 | * | 51.05 | * | 200 |
| 686.7 | 3.30 | 20.1 | * | 13.53 | * | 70.23 | 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 : IBM MX-300 : 233MHz CLOCK CHIP : 66MHz
WITH HIPRO POWER
WITH RISER CARD W/O NIC
HDD:SEAGATE 8GB
FDD:NEC
CD ROM:PANASONIC
SDRAM:MITSUBISHI
MODEM CARD:DIAMOND
(4). SAMPLE CALCULATION
20 LOG(EMISSION)uV/m = CABLE LOSS(dB)+FACTOR(dB)+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 : _____

## 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 | |
| 165.8 | 1.60 | 9.30 | 21.25 | * | 40.50 | * | 150 |
| 233.7 | 1.80 | 10.7 | 21.18 | 16.84 | 48.31 | 29.31 | 200 |
| 367.6 | 2.20 | 14.9 | * | 11.97 | * | 28.41 | 200 |
| 466.5 | 2.60 | 17.0 | 13.48 | * | 45.08 | * | 200 |
| 715.8 | 3.40 | 20.5 | 11.97 | 15.23 | 62.16 | 90.47 | 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 : IBM MX-300 : 233MHz CLOCK CHIP : 66MHz
WITH DELTA POWER
WITH RISER CARD W/O NIC
HDD:FUJITSU 2.1GB
FDD:MITSUBISHI
CD ROM:TRAY LOAD
SDRAM:NEC
MODEM CARD:SHETLAND
(4). SAMPLE CALCULATION
20 LOG(EMISSION)uV/m = CABLE LOSS(dB)+FACTOR(dB)+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 : _____

## 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 | |
| 98.87 | 1.20 | 7.40 | 17.34 | * | 19.82 | * | 150 |
| 198.8 | 1.70 | 9.90 | 20.39 | 18.27 | 39.76 | 31.15 | 150 |
| 238.6 | 1.80 | 10.7 | 23.02 | 22.64 | 59.70 | 57.15 | 200 |
| 601.3 | 3.00 | 19.0 | 15.71 | 18.62 | 76.82 | 107.4 | 200 |
| 857.4 | 3.50 | 21.5 | 11.43 | * | 66.30 | * | 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 : AMD K6/2 : 300MHz CLOCK CHIP : 66MHz
WITH HIPRO POWER
WITH RISER CARD WITH NIC
HDD:JTS 4.3GB
FDD:NEC
CD ROM:LITEON
SDRAM:HYU
MODEM CARD:ZEPHYR
(4). SAMPLE CALCULATION
20 LOG(EMISSION)uV/m = CABLE LOSS(dB)+FACTOR(dB)+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 : _____

## 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 | |
| 127.0 | 1.40 | 8.10 | 25.66 | 24.15 | 57.28 | 48.14 | 150 |
| 333.6 | 1.20 | 14.7 | 14.59 | 15.29 | 33.46 | 36.27 | 200 |
| 601.3 | 3.00 | 19.0 | 18.71 | 18.29 | 108.5 | 103.4 | 200 |
| 699.3 | 3.40 | 20.2 | 15.19 | 14.69 | 87.00 | 82.13 | 200 |
| 904.0 | 3.90 | 22.6 | 12.08 | 14.00 | 84.92 | 105.9 | 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 : AMD K6/2 : 300MHz CLOCK CHIP : 66MHz
WITH DELTA POWER
WITH RISER CARD WITH NIC
HDD:SEAGATE 2.1GB
FDD:MITSUBISHI
CD ROM:PANASONIC
SDRAM:LGS
MODEM CARD:DIAMOND
(4). SAMPLE CALCULATION
20 LOG(EMISSION)uV/m = CABLE LOSS(dB)+FACTOR(dB)+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 : _____

## 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 | |
| 198.8 | 1.70 | 9.90 | 20.99 | 20.27 | 42.61 | 39.22 | 150 |
| 239.5 | 2.00 | 12.0 | 19.58 | 15.54 | 47.75 | 29.99 | 200 |
| 428.7 | 2.30 | 16.1 | * | 11.99 | * | 33.08 | 200 |
| 668.3 | 3.30 | 20.1 | 16.22 | 19.98 | 95.72 | 145.9 | 200 |
| 911.7 | 3.90 | 22.6 | 10.81 | * | 73.37 | * | 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 : AMD K6/2 : 333MHz CLOCK CHIP : 66MHz
WITH HIPRO POWER
WITH RISER CARD WITH NIC
HDD:SEAGATE 4.3GB
FDD:NEC
CD ROM:TRAY LOAD
SDRAM:MITSUBISHI
MODEM CARD:SHETLAND
(4). SAMPLE CALCULATION
20 LOG(EMISSION)uV/m = CABLE LOSS(dB)+FACTOR(dB)+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 C HUMIDITY : 78 %RH

| FREQ. (MHz) | CABLE LOSS (dB) | ANT. FACTOR (dB) | READING(dBuV) | | EMISSION(uV) | | LMTS (uV) |
|---|---|---|---|---|---|---|---|
| | | | HORIZ | VERT | HORIZ | VERT | |
| 42.61 | 0.80 | 9.80 | 20.44 | 26.34 | 35.65 | 70.31 | 100 |
| 199.8 | 1.70 | 9.90 | 21.07 | 16.97 | 43.00 | 26.82 | 150 |
| 238.6 | 2.00 | 10.7 | 22.02 | 17.34 | 54.45 | 31.77 | 200 |
| 431.6 | 2.30 | 16.1 | 10.76 | * | 28.71 | * | 200 |
| 668.3 | 3.30 | 20.1 | 17.12 | 18.39 | 106.2 | 122.9 | 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 : AMD K6/2 : 333MHz CLOCK CHIP : 66MHz
WITH DELTA POWER
WITH RISER CARD WITH NIC
HDD:SEAGATE 8GB
FDD:MITSUBISHI
CD ROM:LITEON
SDRAM:NEC
MODEM CARD:ZEPHYR
(4). SAMPLE CALCULATION
20 LOG(EMISSION)uV/m = CABLE LOSS(dB)+FACTOR(dB)+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