# Exhibit C

# Measurement Report

**C-ONE TECHNOLOGY CORP.,**

**FCC ID.:LXLC1VFM5614R**

**Rockwell 56k PCMCIA Modem Card**

# FCC CLASS B
# EMI TEST REPORT

of

EUT : Rockwell 56K PCMCIA Modem Card

MODEL NO. : C2VFM-5614RA

FCC ID. : LXLC1VFM5614R

for

APPLICANT : C-ONE TECHNOLOGY CORP.

ADDRESS : B1, NO. 57, DONG-GUANG RD., HSIN-CHU, TAIWAN, R.O.C.

Test Performed by

**ELECTRONICS TESTING CENTER, TAIWAN**

NO. 8 LANE 29, WENMIMG ROAD,
LOSHAN TSUN, KUI-SHAN HSIANG,
TAOYUAN, TAIWAN, R.O.C.

Tel:(03)3280026-32,
Fax:(03)3280034

Report Number : ET87R-04-066
Issued Date : JUN. 01, 1998

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# TEST REPORT CERTIFICATION

| | |
|---|---|
| Applicant | : C-ONE TECHNOLOGY CORP.<br>B1, NO. 57, DONG-GUANG RD., HSIN-CHU, TAIWAN, R.O.C. |
| Manufacturer | : C-ONE TECHNOLOGY CORP.<br>B1, NO. 57, DONG-GUANG RD., HSIN-CHU, TAIWAN, R.O.C. |
| Description of EUT | : Rockwell 56K PCMCIA Modem Card |
| a) Brand Name | : PRETEC |
| b) Model No. | : C2VFM-5614RA |
| c) FCC ID. | : LXLC1VFM5614R |
| d) Power Supply | : DC 5V |
| Regulation Applied | : FCC Rules and Regulations Part 15 Subpart B (1993) |

I HEREBY CERTIFY THAT: The data shown in this report was in accordance with the procedures given in ANSI-63.4 and the energy emitted by the device was found to be within the limits applicable. I assume full responsibility for accuracy and completeness of these data.

Note : 1. The results of the testing report relate only to the items tested.
2. The testing report shall not be reproduced except in full, without the written approval of ETC.

Test Dated : MAY 21, 1998

Test Engineer : Chin Cheng Yeh.
( Chin Cheng Yeh )

Approve & Authorized : W. H Yauo
Will Yauo, Supervisor
EMI Test Site of ELECTRONICS
TESTING CENTER, TAIWAN

## 1.2 Tested System Details

The Tested System Detail equipment, plus description of all cables used in the tested system are :

| Description | Model No. | FCC ID. | Manufacturer | Cable |
|---|---|---|---|---|
| Rockwell 56K PCMCIA Modem Card *1 | C2VFM-5614RA | LXLC1VFM5614R | C-ONE TECHNOLOGY CORP. | ---- |
| Notebook | PA1114U | ---- | TOSHIBA | 1.8m Unshielded |
| Adaptor | PA2478U | CJ6UK394 | TOSHIBA | ---- |
| Monitor | 8512-001 | C5F7NF13CM14 | IBM Co. | 1.6m Shielded Cable |
| Modem | 1200AT | EF56A51200AT | Smar TEAM Co.. | 2.0m Shielded Cable |
| Printer | 2225C+ | DSI6XU2225 | Hewlett-Packard | 1.2m Shielded Cable |
| Mouse | M-S34 | LZA71661735 | Hewlett-Packard | 1.8m Unshielded Cable |

*1 EUT submitted for test.

## 1.3 Test Methodology

Both conducted and radiated testing were performed according to the procedures in FCC/ANSI C63.4, Radiated testing was performed at an antenna to EUT distance of 3 meters.

## 1.4 Test Facility

The open area test site and conducted measurement facility used to collect the radiated data is located on the roof top of Building at No.34, 5 Lirn, Din Fu Tsun, Lin Kou, Taipei, Taiwan, R.O.C.

This site has been fully described in a report submitted to your office, and accepted in a letter dated Feb., 10,1997.

# 2. PRODUCT LABELING AND USER INFORMATION

## 2.1 Class Definition

Class A Digital Device: A digital device which is marketed for use in commercial or business environment; exclusive of a device which is market for use by the general public, or which is intended to be used in the home.

Class B Digital Device : A digital device which is marketed for use in a residential environment notwithstanding use in a commercial, business of industrial environment. Example of such devices that are marketed for the general public.

Note : A manufacturer may also qualify a device intended to be marketed in a commercial ,business, or industrial environment as a Class B digital device, and in fact is encouraged to do so, provided the device complies with the technical specifications for a Class B Digital Device. In the event that a particular type of device has been found to repeatedly cause harmful interference to radio communications, the Commission may classify such a digital device as a Class B Digital Device, Regardless of its intended use.

## 2.3 Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference

(2) this device must accept any interference received, including interference that may cause undesired operation.

## 2.4 User Information

For a Class B digital device or peripheral, the instructions furnished the user shall include the following or similar statement, placed in a prominent location in the text of the manual.

The Federal Communications Commission Radio Frequency Interference Statement includes the following paragraph.

This equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio / TV technician for help.

# 3. SYSTEM TEST CONFIGURATION

## 3.1 Justification

The system was configured for testing in EUT is working.

The EUT was rotated to obtain the maximum level of radiated emissions .The antenna was varied in height above ground to obtain the maximum signal strength. The antenna height was varied from 1 to 4 meters.

All test results are listing on chapter 5 and 6.

## 3.2 Configuration of Tested System

Please Refer to Page 08 & Page 09

# 1. GENERAL INFORMATION

## 1.1 Product Description

a) Description of EUT : Rockwell 56K PCMCIA Modem Card

b) Brand Name : PRETEC

c) Model No. : C2VFM-5614RA

d) FCC ID : LXLC1VFM5614R

e) Power Supply : DC 5V

# 5. CONDUCTED EMISSION DATA

## 5.1 Conducted Test Results

The initial setup in collecting conducted data is a spectrum analyzer peak scan of the measurement range. Significant peaks are then marked as shown on following data pages, and these signals are the quasi-peaked.

# CONDUCTED EMISSION DATA

**A.**

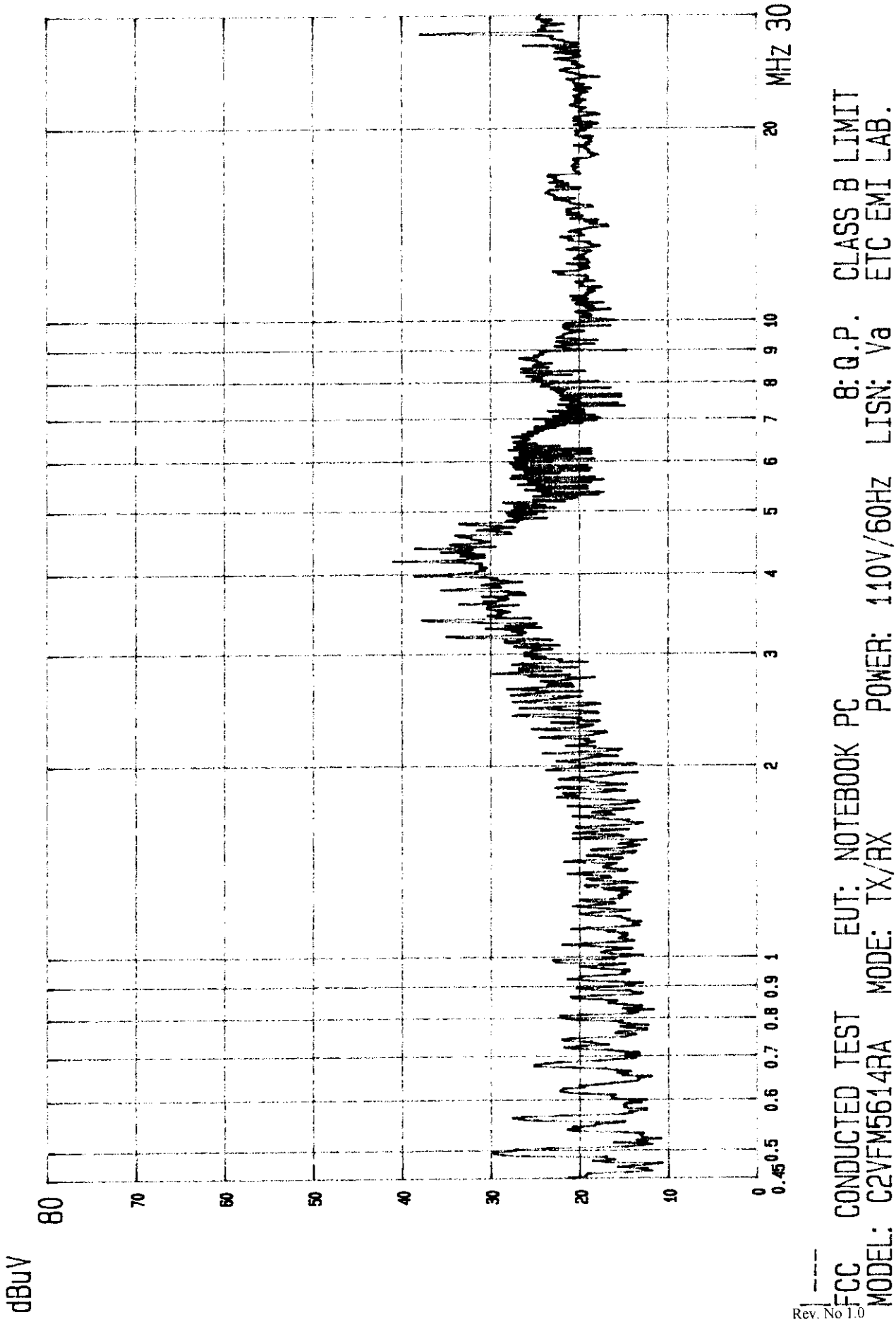
Model No. : C2VFM-5614RA

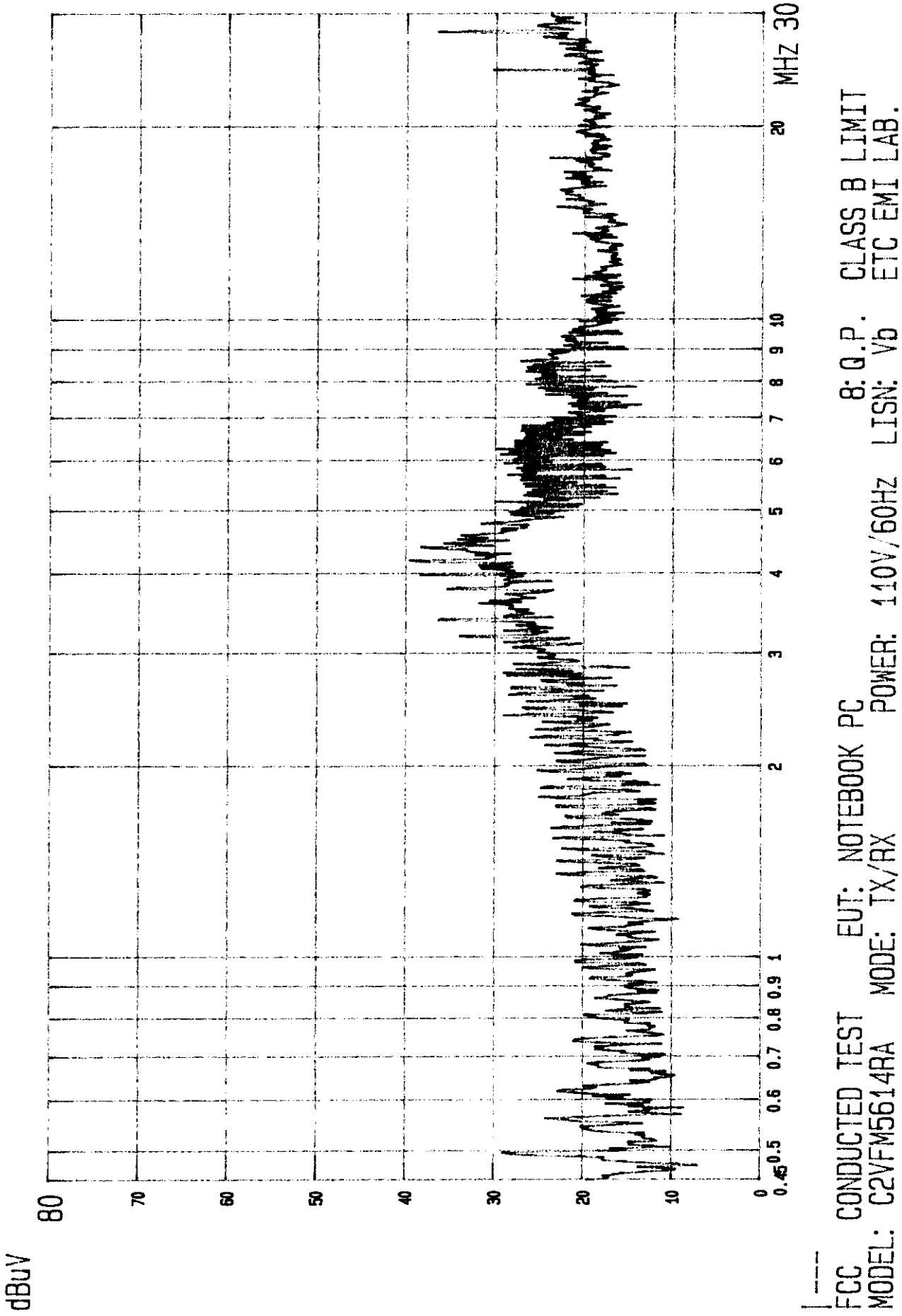
Operation Mode : TX/RX

Judgment : Passed by 8.7 dB

Test Date : MAY 12, 1998 Temperature : 25 ℃ Humidity : 60 %

| **Emission Frequency** | **Meter Reading** ( dB $\mu$ V ) | | **LISN Factor** | **Results** ( dB $\mu$ V ) | | **Limit** (dB $\mu$ V) | **Margins** ( dB ) |
|---|---|---|---|---|---|---|---|
| ( MHz) | **VA** | **VB** | ( dB ) | **VA** | **VB** | | |
| 0.496 | 27.3 | 27.8 | 0.2 | 27.5 | 28.0 | 48.0 | -20.0 |
| 3.394 | 35.2 | 34.3 | 0.3 | 35.5 | 34.6 | 48.0 | -12.5 |
| 4.187 | 39.0 | 37.8 | 0.3 | 39.3 | 38.1 | 48.0 | -8.7 |
| 6.254 | 23.2 | 27.4 | 0.4 | 23.6 | 27.8 | 48.0 | -20.2 |
| 8.392 | 22.4 | 24.2 | 0.4 | 22.8 | 24.6 | 48.0 | -23.4 |
| 28.224 | 37.6 | 38.0 | 1.0 | 38.6 | 39.0 | 48.0 | -9.0 |


dBuV
80
70
60
50
40
30
20
10
0
0.45
0.5
0.6
0.7
0.8
0.9
1
2
3
4
5
6
7
8
9
10
20
MHz 30
FCC CONDUCTED TEST EUT: NOTEBOOK PC 8: Q.P. CLASS B LIMIT
MODEL: C2VFM5614RA MODE: TX/RX POWER: 110V/60Hz LISN: Va ETC EMI LAB.


dBuV
80
70
60
50
40
30
20
10
0
0.45
0.5
0.6
0.7
0.8
0.9
1
2
3
4
5
6
7
8
9
10
20
MHz 30
FCC CONDUCTED TEST EUT: NOTEBOOK PC 8: Q.P. CLASS B LIMIT
MODEL: C2VFM5614RA MODE: TX/RX POWER: 110V/60Hz LISN: Vb ETC EMI LAB.

# CONDUCTED EMISSION DATA

**B.**

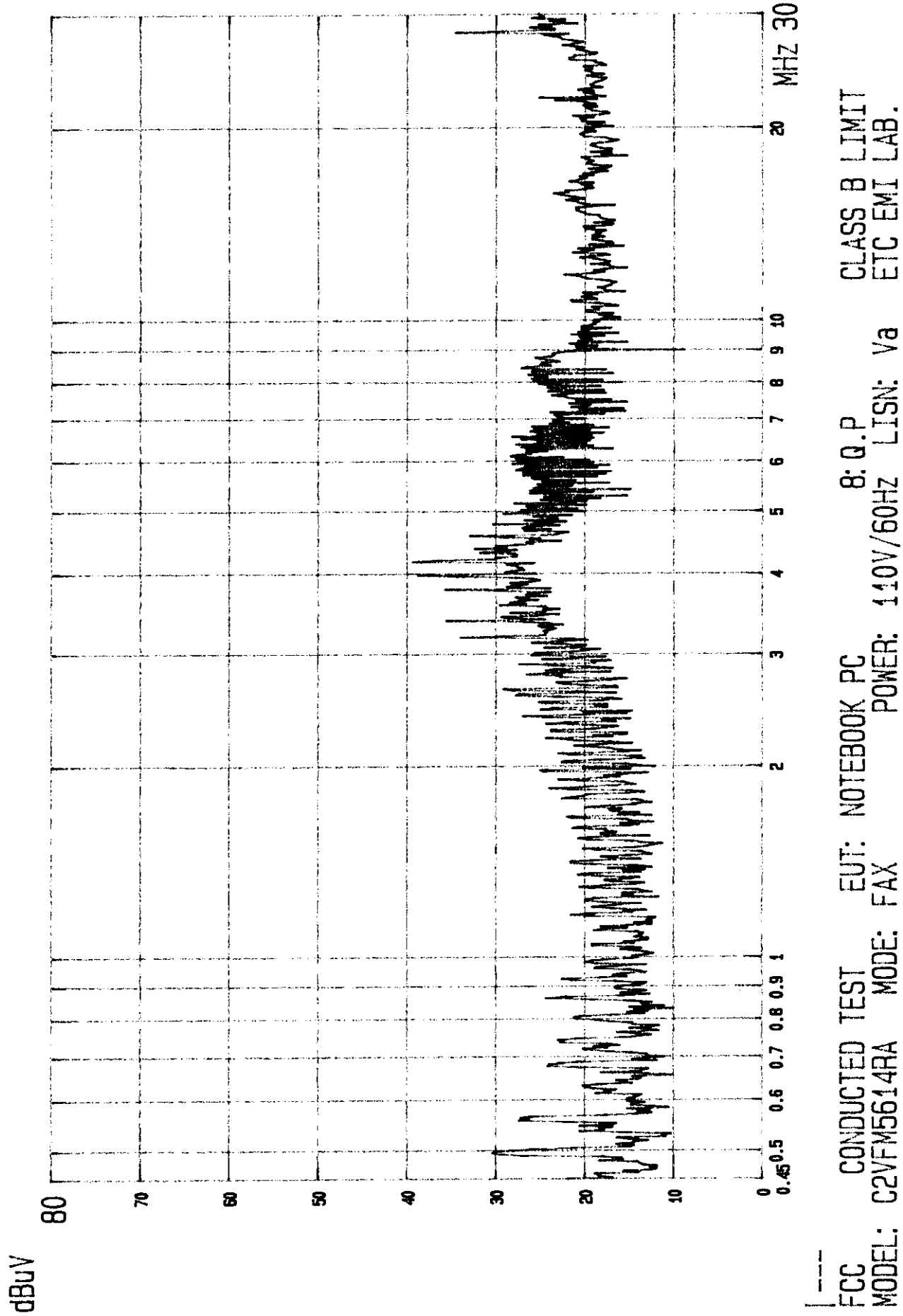
Model No. : C2VFM-5614RA

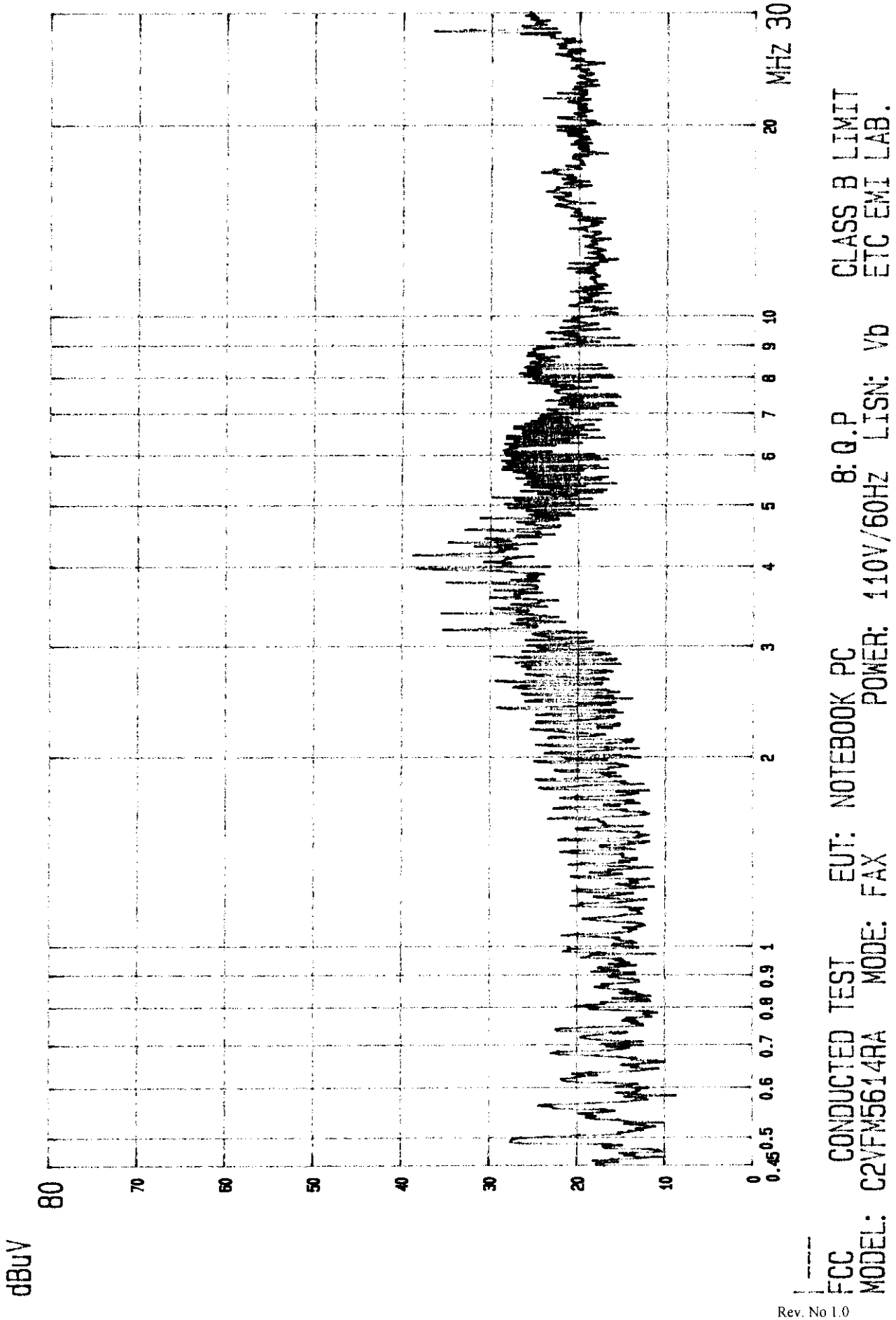
Operation Mode : FAX

Judgment : Passed by 8.7 dB

Test Date : MAY 12, 1998 Temperature : 25 ℃ Humidity : 60 %

| **Emission Frequency** | **Meter Reading** ( dB $\mu$ V ) | | **LISN Factor** | **Results** ( dB $\mu$ V ) | | **Limit** (dB $\mu$ V) | **Margins** ( dB ) |
|---|---|---|---|---|---|---|---|
| ( MHz) | **VA** | **VB** | ( dB ) | **VA** | **VB** | | |
| 0.496 | 27.3 | 27.9 | 0.2 | 27.5 | 28.1 | 48.0 | -19.9 |
| 3.395 | 35.3 | 34.4 | 0.3 | 35.6 | 34.7 | 48.0 | -12.4 |
| 4.187 | 39.0 | 37.8 | 0.3 | 39.3 | 38.1 | 48.0 | -8.7 |
| 6.255 | 23.2 | 27.4 | 0.4 | 23.6 | 27.8 | 48.0 | -20.2 |
| 8.393 | 22.5 | 24.3 | 0.4 | 22.9 | 24.7 | 48.0 | -23.3 |
| 28.223 | 37.6 | 38.1 | 1.0 | 38.6 | 39.1 | 48.0 | -8.9 |


dBuV
80
70
60
50
40
30
20
10
0
0.45
0.5
0.6
0.7
0.8
0.9
1
2
3
4
5
6
7
8
9
10
20
MHz 30
FCC CONDUCTED TEST EUT: NOTEBOOK PC 8: Q.P CLASS B LIMIT
MODEL: C2VFM5614RA MODE: FAX POWER: 110V/60HZ LISN: Va ETC EMI LAB.


dBuV
80
70
60
50
40
30
20
10
0
0.45
0.5
0.6
0.7
0.8
0.9
1
2
3
4
5
6
7
8
9
10
20
MHz 30
FCC CONDUCTED TEST EUT: NOTEBOOK PC 8: Q.P CLASS B LIMIT
MODEL: C2VFM5614RA MODE: FAX POWER: 110V/60Hz LISN: Vb ETC EMI LAB.

# 6. RADIATED EMISSION DATA

## 6.1 Open Site Radiated Test Results

The following data lists the significant emission frequencies, measured levels, correction factor (includes cable and antenna corrections),the corrected reading, and the limit. The result value is quasi-peaked by R & S Test Receiver. Explanation of the Correction Factor is given in paragraph 6.2.

# RADIATED EMISSION DATA

**A.**

Model No. : C2VFM-5614RA

Operation Mode : TX/RX

Judgment : Passed by 0.7 dB

Test Date : MAY 21, 1998 Temperature : 25 ℃ Humidity : 60 %

| Emission **Frequency** ( MHz) | **Meter Reading** ( dB $\mu$ V ) | | CORR'd **Factor** ( dB ) | **Results** ( dB $\mu$ V/m ) | | **Limit** (dB $\mu$ V/m) | **Margins** ( dB ) |
|---|---|---|---|---|---|---|---|
| | **HOR.** | **VERT.** | | **HOR.** | **VERT.** | | |
| 36.793 | 45.1 | 49.8 | -12.1 | 33.0 | 37.7 | 40.0 | -2.3 |
| 169.336 | 51.5 | 50.7 | -10.2 | 41.3 | 40.5 | 43.5 | -2.2 |
| 199.829 | 51.6 | 48.9 | -8.8 | 42.8 | 40.1 | 43.5 | -0.7 |
| 239.143 | 47.9 | 42.1 | -4.9 | 43.0 | 37.2 | 46.0 | -3.0 |
| 329.700 | 50.4 | 51.2 | -7.1 | 43.3 | 44.1 | 46.0 | -1.9 |
| 423.357 | 50.4 | 49.8 | -5.7 | 44.7 | 44.1 | 46.0 | -1.3 |

# RADIATED EMISSION DATA

**B.**

Model No. : C2VFM-5614RA

Operation Mode : FAX

Judgment : Passed by 0.6 dB

Test Date : MAY 21, 1998 Temperature : 25 ℃ Humidity : 60 %

| Emission **Frequency** ( MHz) | **Meter Reading** ( dB $\mu$ V ) | | CORR'd **Factor** ( dB ) | **Results** ( dB $\mu$ V/m ) | | **Limit** (dB $\mu$ V/m) | **Margins** ( dB ) |
|---|---|---|---|---|---|---|---|
| | **HOR.** | **VERT.** | | **HOR.** | **VERT.** | | |
| 36.795 | 45.2 | 49.9 | -12.1 | 33.1 | 37.8 | 40.0 | -2.2 |
| 169.335 | 51.4 | 50.8 | -10.2 | 41.2 | 40.6 | 43.5 | -2.3 |
| 198.207 | 51.7 | 48.8 | -8.8 | 42.9 | 40.0 | 43.5 | -0.6 |
| 239.145 | 47.9 | 41.9 | -4.9 | 43.0 | 37.0 | 46.0 | -3.0 |
| 329.700 | 50.5 | 51.3 | -7.1 | 43.4 | 44.2 | 46.0 | -1.8 |
| 451.700 | 50.5 | 49.7 | -5.7 | 44.8 | 44.0 | 46.0 | -1.2 |

## 6.2 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor. The basic equation with a sample calculation is as follows:

Results = Meter Reading + CORR'd Factor

CORR'd Factor = AF + CF - AG

AF = Antenna Factor

CF = Cable Attenuation Factor

AG = Amplifier Gain

## 2.2 Class Limitations

Class A Line Conducted Emission Limits :

| Frequency MHZ | Emissions uV | Emissions dBuV |
|---|---|---|
| 0.45 - 1.705 | 1000 | 60.0 |
| 1.705 - 30.0 | 3000 | 69.5 |

Class A Radiated Emission Limits :

| Frequency MHZ | Distance Meters | Radiated dBuV/m | Radiated uV/m |
|---|---|---|---|
| 30 - 88 | 10 | 39.0 | 90 |
| 88 - 216 | 10 | 43.5 | 150 |
| 216 - 960 | 10 | 46.4 | 210 |
| above 960 | 10 | 49.5 | 300 |

Class B Line Conducted Emission Limits :

| Frequency MHZ | Emissions uV | Emissions dBuV |
|---|---|---|
| 0.45 - 30.0 | 250 | 48.0 |

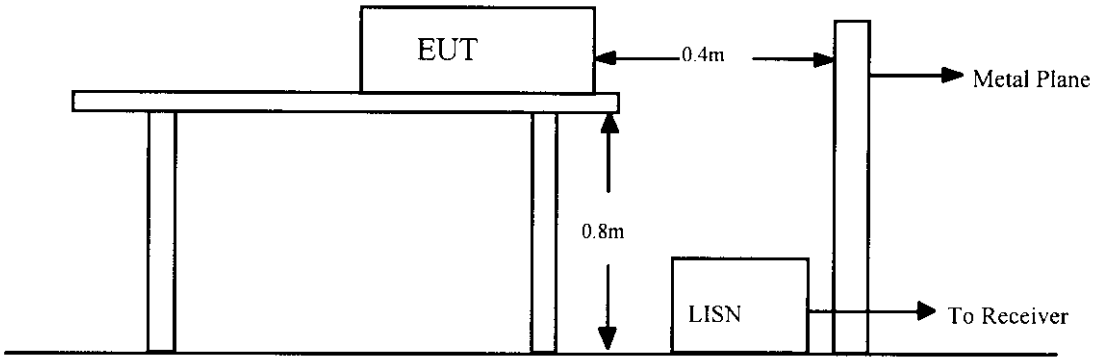
Class B Radiated Emission Limits :

| Frequency MHZ | Distance Meters | Radiated dBuV/m | Radiated uV/m |
|---|---|---|---|
| 30 - 88 | 3 | 40.0 | 100 |
| 88 - 216 | 3 | 43.5 | 150 |
| 216 - 960 | 3 | 46.0 | 200 |
| above 960 | 3 | 54.0 | 500 |

# 7. TEST EQUIPMENT

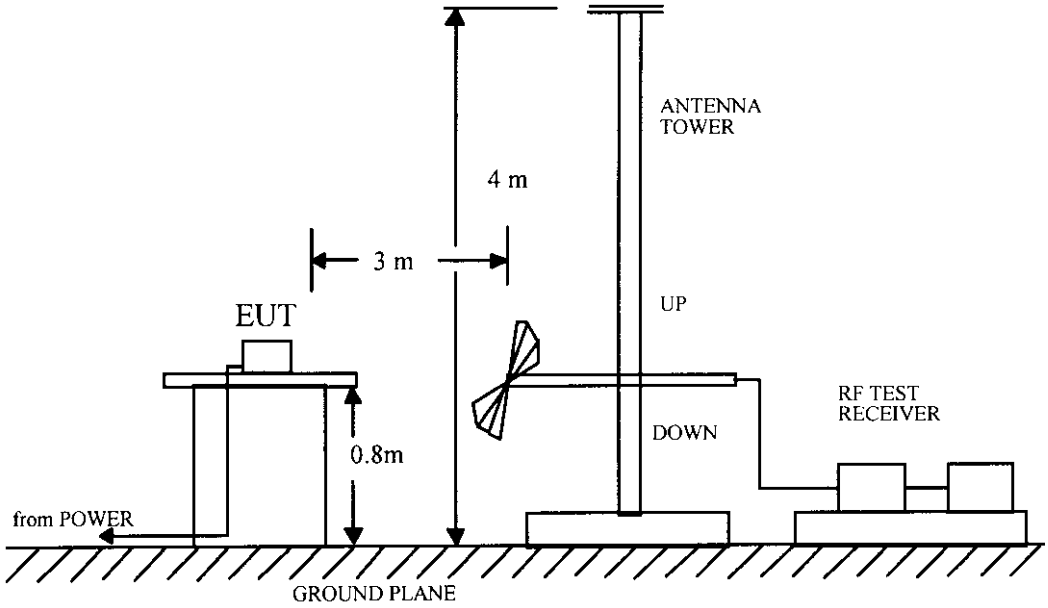
## 7.1 Test Setup

I. Conducted Test Setup Diagram




Metal floor surfaced with 30mm of insulating material

II. Open Field Test Site Setup Diagram



## 7.2 Conducted Test Equipments

The following test equipments are used during the conducted test .

| Equipments | Manufacturer | Model No. | Next Cal. Date |
|---|---|---|---|
| Test Receiver | Rohde and Schwarz | ESH3 | JAN. 04, 1999 |
| Spectrum Monitor | Rohde and Schwarz | EZM | N.C.R. |
| Line Impedance Stabilization Network | Kyoritsu | KNW-407 | DEC. 18, 1998 |
| Line Impedance Stabilization Network | Shiba Soku | 563 | AUG. 18, 1998 |
| Printer | Rohde and Schwarz | PUD-3 | N/A |
| Plotter | Hewlett-Packard | 7440A | N/A |
| Shielded Room | Riken | ---- | N.C.R. |

## 7.3 Radiated Test Equipments

The following test equipments are used during the radiated test .

| Equipments | Manufacturer | Model No. | Next Cal. Date |
|---|---|---|---|
| EMI Receiver | Hewlett-Packard | 8546A | DEC. 01, 1999 |
| Test Receiver | Rohde and Schwarz | ESVS 30 | DEC. 19, 1998 |
| Biconical Antenna | EMCO | 3108 | AUG. 05, 1998 |
| Log Periodic Antenna | EMCO | 3146 | AUG. 05, 1998 |