

# FCC PART 15

# EMI TEST REPORT

of

E.U.T. : notebook computer  
MODEL : H300  
TYPE NO. : H330  
FCC ID. : NYYH300

for

**APPLICANT : MOVITA TECHNOLOGIES INC.**

ADDRESS : No. 26, Wu-Chuan 7th Rd., Wu-Ku Industrial Park,  
Taipei County, Taiwan, R.O.C.

Test Performed by

**ELECTRONICS TESTING CENTER, TAIWAN**  
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Report Number : ET91R-11-032-01

# TEST REPORT VERIFICATION

Applicant : MOVITA TECHNOLOGIES INC.  
No. 26, Wu-Chuan 7th Rd., Wu-Ku Industrial Park, Taipei County,  
Taiwan, R.O.C.

Manufacturer : MOVITA TECHNOLOGIES INC.  
No. 26, Wu-Chuan 7th Rd., Wu-Ku Industrial Park, Taipei County,  
Taiwan, R.O.C.

Description of EUT :  
a) Type of EUT : notebook computer  
b) Trade Name : MOVITA ; MUSTEK  
c) Model No. : H300  
d) Type No. : H330  
e) Power Supply : Adaptor 1 : MHASV08IA  
I/P:100~240VAC, 1.5A,50/60Hz; O/P:16VDC, 3.12A  
Adaptor 2 : LSE9802A1650  
I/P:100~240VAC, 1.5A,50/60Hz; O/P:16VDC, 3.13A

Regulation Applied : FCC Rules and Regulations Part 15 Subpart B (2002)

I HEREBY CERTIFY THAT: The data shown in this report were made in accordance with the procedures given in ANSI C63.4, and the energy emitted by the device was founded to be within the limits applicable. I assume full responsibility for accuracy and completeness of these data.

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

Issued Date: Dec. 20, 2002

Test Engineer: Ion Lin  
( Ion Lin )

Approve & Authorized Signer: Will Yauo  
Will Yauo, Manager  
EMC Dept. II of ELECTRONICS  
TESTING CENTER, TAIWAN

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## 1 GENERAL INFORMATION

### 1.1 Product Description

- a) Type of EUT : notebook computer
- b) Trade Name : MOVITA ; MUSTEK
- c) Model No. : H300
- d) Type No. : H330
- e) Power Supply : Adaptor 1 : HASV08IA  
I/P:100~240VAC, 1.5A,50/60Hz; O/P:16VDC, 3.12A  
Adaptor 2 : LSE9802A1650  
I/P:100~240VAC, 1.5A,50/60Hz; O/P:16VDC, 3.13A

### 1.2 Characteristics of Device

1. LAN RJ-45 Jack, Mic Jack, Modem RJ-11 Jac.
2. Standard Internal HDD.
3. DDR Memory SIMM.
4. Three USB connector.
5. D-Sub Connector
6. CPU speed 933MHz

### **1.3 Test Methodology**

For notebook computer, both conducted, radiated, conducted RF output signal and spurious level and transfer switch isolation testing were performed according to the procedures in section 12.2 of ANSI C63.4 (1992).

### **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, Lin 5, Ding Fu Tsun, Linkou Hsiang, Taipei Hsien, 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, 2000.

## 2 LIMITATIONS AND LABELING REQUIREMENT

### 2.1 Definition

Unintentional radiator:

A device that intentionally generates and radio frequency energy for use within the device, or that sends radio frequency signals by conduction to associated equipment via connecting wiring, but which is not intended to emit RF energy by radiation or induction.

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 or 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.

## 2.2 Limitation

### (1) Conducted Emission Limits :

Except for Class A digital devices, for equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50 $\Omega$  H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the band edges.

| Frequency<br>MHz | Quasi Peak<br>dB $\mu$ V | Average<br>dB $\mu$ V |
|------------------|--------------------------|-----------------------|
| 0.15 - 0.5       | 66-56*                   | 56-46*                |
| 0.5 - 5.0        | 56                       | 46                    |
| 5.0 - 30.0       | 60                       | 50                    |

\* Decreases with the logarithm of the frequency

### (2) Radiated Emission Limits:

According to 15.109, Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

#### Class B Radiated Emission Limits:

| Frequency<br>MHz | Distance<br>Meters | Radiated<br>dB $\mu$ V/m | Radiated<br>$\mu$ V/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                   |

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

## 2.4 User Information

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 a typical fashion, as a customer would normally use it.

For radiated emission measuring, the EUT was rotated to obtain the maximum level of radiated emissions. The antenna was varied in height from 1 to 4 meters above ground to obtain the maximum signal strength. Measurement was performed under the condition that a computer program was exercised to simulate data communication of EUT. Three highest emissions were verified with varying placement of the connected cable to maximize the emission from EUT.

#### 3.2 Device for Tested System

| Device             | Manufacture              | Model          | Description  |
|--------------------|--------------------------|----------------|--|
| Notebook computer* | MOVITA TECHNOLOGIES INC. | H300           | 1.8m Unshielded AC Adaptor Power Cord<br>1.2m Unshielded RJ-11 Telephone Line<br>2.0m Shielded RJ-45 LAN Cable |
| Monitor            | View Sonic               | E653           | 2.0m Shielded Video Cable With 2 Core  |
| USB Mouse          | Logitech                 | M-U48a         | 1.5m Unshielded USB Cable  |
| USB Mouse          | Logitech                 | M-UB48         | 1.5m Unshielded USB Cable  |
| Keyboard           | Solidtek                 | ACK-298        | 1.0m Unshielded Cable  |
| Microphone         | ----                     | ----           | 1.2m Unshielded Cable  |
| Earphone           | ----                     | ----           | 1.3m Unshielded Cable  |
| Hard Disk Drive    | Fujitsu                  | MHN2300AT      | ----   |
| RAM                | Winbond                  | PB20           | ----   |
| CPU                | VIA                      | C3             | ----   |
| Pannel             | LG PHILIPS               | LP104S5 (B2AP) | ----   |
| Adaptor 1          | HJC                      | HASU08IA       | ----   |
| Adaptor 2          | LS                       | LSE9802A1650   | ----   |

Remark “\*” means equipment under test.

## 4 RADIATED EMISSION MEASUREMENT

### 4.1 Description for Radiated Emission Measured

According to § 15.33 (b)(3), except for a CB receiver, a receiver employing super-heterodyne techniques shall be investigated from 30 MHz up to at least the second harmonic of the highest local oscillator frequency generated in the device.

The field strength measurements of the receiver under test which was placed on an wooden turntable 0.8 meter in height. The receiving antenna polarized horizontally was varied from 1 to 4 meters and the wooden turntable was rotated through 360 degrees to obtain the highest reading on the field strength meter or on the display of the spectrum analyzer. And also, each emission was to be maximized by changing the orientation of the equipment under test. These measurements were repeated with the receiving antenna polarized vertically.

The following data lists the significant emission frequencies, measured levels, correction factor (includes cable and antenna corrections), the corrected reading, the limit , and margin. Explanation of the Correction Factor is given in paragraph 4.3.

## 4.2 Radiated Emission Data

### 4.2.1 Below 1 GHz

A.

Operation Mode : Adaptor 1

Test Date : Nov. 22, 2002 Temperature : 26 Humidity: 65 %

| Frequency<br>(MHz) | Ant-Pol | Meter<br>Reading<br>(dBuV) | Corrected<br>Factor<br>(dB) | Result<br>@3m<br>(dBuV/m) | Limit<br>@3m<br>(dBuV/m) | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant. High<br>(m) |
|--------------------|---------|----------------------------|-----------------------------|---------------------------|--------------------------|----------------|---------------------------|------------------|
| 178.120            | V       | 37.7                       | -9.1                        | 28.6                      | 43.5                     | -14.9          | 285                       | 1.2              |
| 181.845            | V       | 43.3                       | -9.0                        | 34.3                      | 43.5                     | -9.2           | 105                       | 1.1              |
| 184.814            | V       | 42.4                       | -8.8                        | 33.6                      | 43.5                     | -9.9           | 95                        | 1.2              |
| 198.407            | V       | 37.7                       | -7.3                        | 30.4                      | 43.5                     | -13.1          | 270                       | 1.1              |
| 689.810            | H       | 41.9                       | -1.0                        | 40.9                      | 46.0                     | -5.1           | 185                       | 1.3              |
| 699.721            | H       | 40.6                       | -1.0                        | 39.6                      | 46.0                     | -6.4           | 60                        | 1.4              |

Note :

1. Remark “---” means that the emissions level is too low to be measured.
2. The expanded uncertainty of the radiated emission tests is 3.53 dB.

B.

Operation Mode : Adaptor 2Test Date : Nov. 22, 2002 Temperature : 26 Humidity: 65 %

| Frequency<br>(MHz) | Ant-Pol<br>H/V | Meter<br>Reading<br>(dBuV) | Corrected<br>Factor<br>(dB) | Result<br>@3m<br>(dBuV/m) | Limit<br>@3m<br>(dBuV/m) | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant. High<br>(m) |
|--------------------|----------------|----------------------------|-----------------------------|---------------------------|--------------------------|----------------|---------------------------|------------------|
| 43.660             | V              | 37.9                       | -12.6                       | 25.3                      | 40.0                     | -14.7          | 175                       | 1.2              |
| 154.630            | V              | 40.5                       | -9.8                        | 30.7                      | 43.5                     | -12.8          | 90                        | 1.1              |
| 157.710            | V              | 35.2                       | -9.6                        | 25.6                      | 43.5                     | -17.9          | 195                       | 1.3              |
| 178.120            | V              | 34.0                       | -9.1                        | 24.9                      | 43.5                     | -18.6          | 280                       | 1.2              |
| 643.380            | H              | 45.4                       | -3.0                        | 42.4                      | 46.0                     | -3.6           | 270                       | 1.1              |
| 688.810            | H              | 42.7                       | -1.0                        | 41.7                      | 46.0                     | -4.3           | 180                       | 1.3              |

Note :

1. Remark “---” means that the emissions level is too low to be measured.
2. The expanded uncertainty of the radiated emission tests is 3.53 dB.

#### 4.2.2 Above 1 GHz

Operation Mode : Adaptor 1 / Adaptor 2

Test Date : Dec. 04, 2002 Temperature : 27 Humidity: 70 %

| Frequency<br>(MHz) | Reading (dBuV) |      |      |      | Factor<br>(dB)<br>Corr. | Result @3m<br>(dBuV/m) |      | Limit @3m<br>(dBuV/m) |      | Margin<br>(dB) | Table<br>Deg.<br>(Deg.) | Ant.<br>High<br>(m) |
|--------------------|----------------|------|------|------|-------------------------|------------------------|------|-----------------------|------|----------------|-------------------------|---------------------|
|                    | H              |      | V    |      |                         | Peak                   | Ave  | Peak                  | Ave  |                |                         |                     |
| 1168.670           | 61.0           | 36.8 | 61.3 | 37.6 | -9.0                    | 52.3                   | 28.6 | 74.0                  | 54.0 | -21.7          | 30                      | 1.0                 |
| 1224.080           | 59.6           | 35.0 | 64.4 | 42.3 | -8.7                    | 55.7                   | 33.6 | 74.0                  | 54.0 | -18.3          | 185                     | 1.1                 |
| 1611.030           | 53.6           | 32.1 | 60.8 | 35.1 | -6.9                    | 53.9                   | 28.2 | 74.0                  | 54.0 | -20.1          | 275                     | 1.0                 |
| 1870.630           | 50.4           | 31.8 | 55.7 | 33.5 | -5.4                    | 50.3                   | 28.1 | 74.0                  | 54.0 | -23.7          | 70                      | 1.0                 |
| 2021.650           | 48.8           | 31.7 | 54.6 | 32.6 | -4.5                    | 50.1                   | 28.1 | 74.0                  | 54.0 | -23.9          | 145                     | 1.0                 |
| 3000.000           | ---            | ---  | ---  | ---  | -1.2                    | ---                    | ---  | 74.0                  | 54.0 | ---            | ---                     | ---                 |
| 5000.000           | ---            | ---  | ---  | ---  | 2.9                     | ---                    | ---  | 74.0                  | 54.0 | ---            | ---                     | ---                 |
| 7000.000           | ---            | ---  | ---  | ---  | 5.4                     | ---                    | ---  | 74.0                  | 54.0 | ---            | ---                     | ---                 |
| 10000.000          | ---            | ---  | ---  | ---  | 7.4                     | ---                    | ---  | 74.0                  | 54.0 | ---            | ---                     | ---                 |

Note :

1. Item of margin shown in above table refer to average limit.
2. Remark “---” means that the emission level is too low to be measured, with a preamplifier of 35 dB.
3. Measuring data showed on above table was derived with peak detector function.
4. It is considered that the results of average comply with average limit when measuring data with a peak function detector meet the average limit. Mark “\*\*\*” means that Peak result is meet average limit.
5. The expanded uncertainty of the radiated emission tests is 3.53 dB.

#### 4.3 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$\text{RESULT} = \text{READING} + \text{CORR. FACTOR}$$

where CORR. FACTOR = Antenna FACTOR + Cable FACTOR

## 4.4 Equipment for Radiation Measurement

The following test equipment are used during the radiated test .

| Equipment            | Manufacturer    | Model No. | Next Cal. Date |
|----------------------|-----------------|-----------|----------------|
| Spectrum Analyzer    | Hewlett-Packard | 8568B     | 01/10/2003     |
| Quasi Peak Adapter   | Hewlett-Packard | 85650A    | 01/10/2003     |
| Pre-selector         | Hewlett-Packard | 85685A    | 01/10/2003     |
| Pre-Amplifier        | Hewlett-Packard | 8447D     | 09/29/2003     |
| Log Periodic Antenna | EMCO            | 3146      | 11/05/2003     |
| Horn Antenna         | EMCO            | 3115      | 08/08/2003     |
| Preamplifier         | Hewlett-Packard | 8449B     | 05/29/2003     |
| RF Test Receiver     | Rohde & Schwarz | ESVS 30   | 08/06/2003     |
| Biconical Antenna    | EMCO            | 3110B     | 11/05/2003     |
| Spectrum Analyzer    | Hewlett-Packard | 8564E     | 04/14/2003     |

## 4.5 Measuring Instrument Setup

Explanation of measuring instrument setup when respective function is used in any frequency band is as following :

| Frequency Band (MHz) | Instrument        | Function   | Resolution bandwidth | Video Bandwidth |
|----------------------|-------------------|------------|----------------------|-----------------|
| 30 to 1000           | RF Test Receiver  | Quasi Peak | 120 kHz              | N/A             |
|                      | Spectrum Analyzer | Peak       | 100 kHz              | 100 kHz         |
| Above 1000           | Spectrum Analyzer | Peak       | 1 MHz                | 1 MHz           |
|                      | Spectrum Analyzer | Average    | 1 MHz                | 300Hz           |

## 4.6 Photos of Radiation Measuring Setup

### A. Adaptor 1

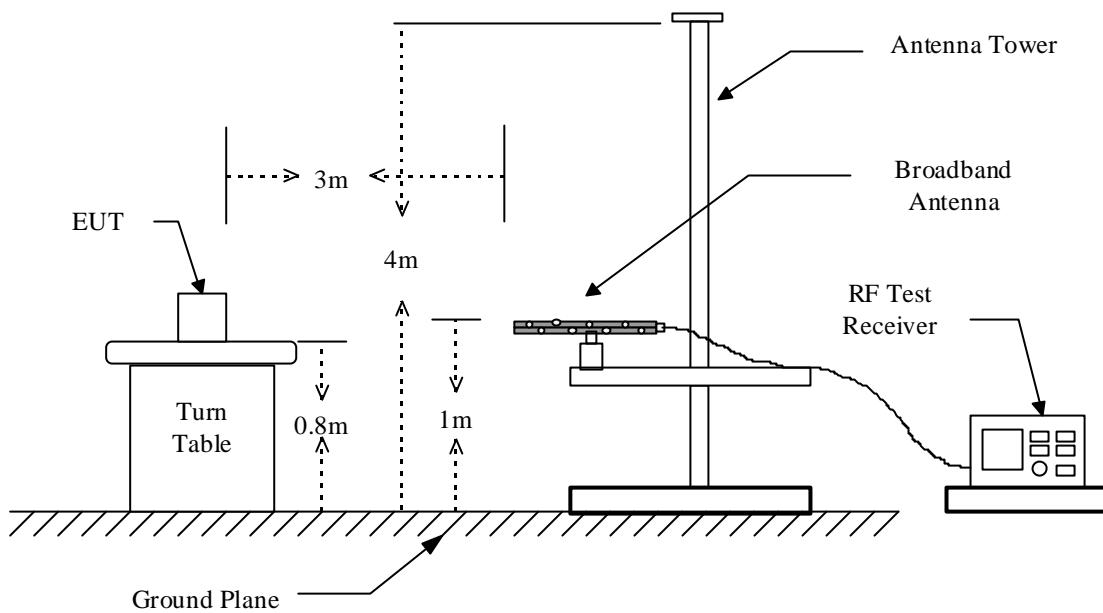
Please see setup photos in Exhibit F

B. Adaptor 2

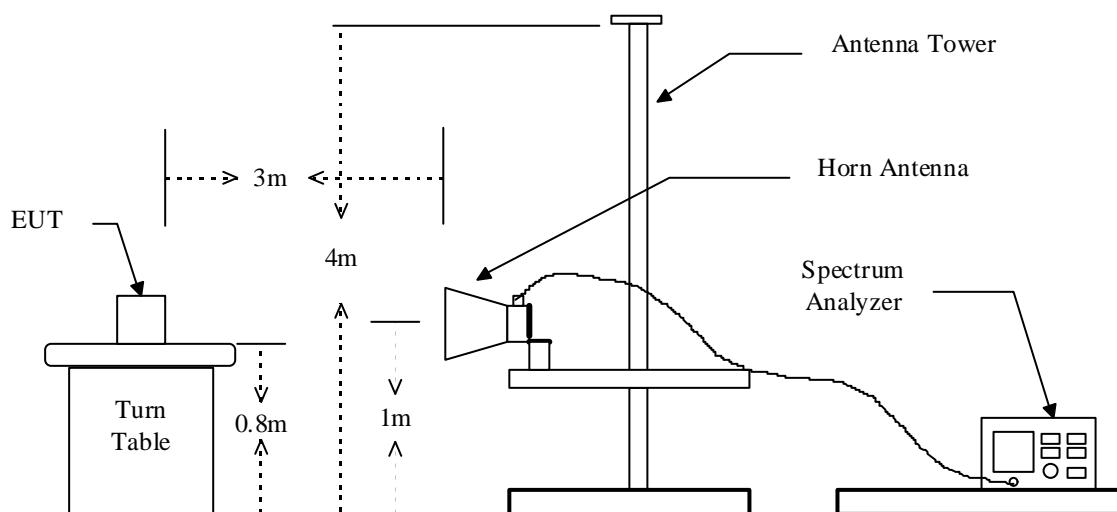
Please see setup photos in Exhibit F

## 4.7 Open Field Test Site Setup Diagram

Radiated Emission's Frequency Below 1 GHz



Radiated Emission's Frequency Above 1 GHz



## 5 CONDUCTED EMISSION MEASUREMENT

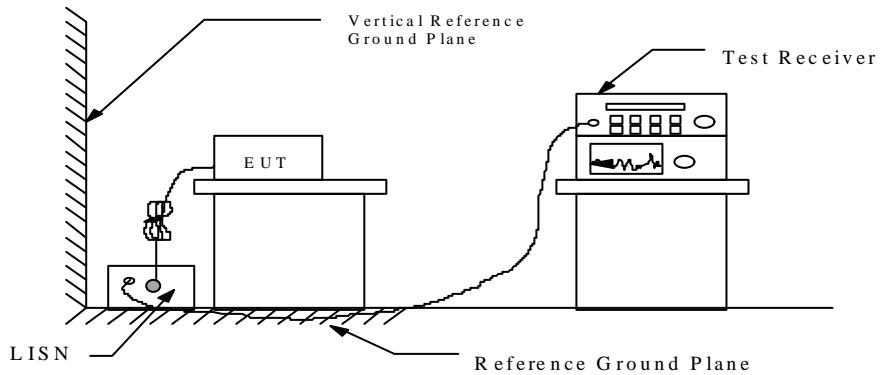
### 5.1 Standard Applicable

For unintentional and intentional device, Line Conducted Emission Limits are in accordance to § 15.107(a) and § 15.207(a) respectively

### 5.2 Measurement Procedure

1. Setup the configuration per figure 3.
2. A preliminary scan with a spectrum monitor is performed to identify the frequency of emission that has the highest amplitude relative to the limit by operating the EUT in selected modes of operation, typical cable positions, and with a typical system configuration.
3. Record the 6 or 8 highest emissions relative to the limit.
4. Measure each frequency obtained from step 3 by a test receiver set on quasi peak detector function, and then record the accuracy frequency and emission level. If all emissions measured in the specified band are attenuated more than 20 dB from the limit, this step would be ignored, and the peak detector function would be used.
5. Confirm the highest three emissions with variation of the EUT cable configuration and record the final data.
6. Repeat all above procedures on measuring each operation mode of EUT.

Figure 3 : Conducted emissions measurement configuration



### 5.3 Conducted Emission Data

A.

Operation Mode : Adaptor 1Test Date : Dec. 04, 2002Temperature: 27Humidity: 70 %

| Freq.<br>(MHz) | Meter Reading<br>(dB $\mu$ V) |      |            |      | Factor<br>(dB) | Limit<br>(dB $\mu$ V) |               | Result<br>(dB $\mu$ V) |      |            |      |  |
|----------------|-------------------------------|------|------------|------|----------------|-----------------------|---------------|------------------------|------|------------|------|--|
|                | Q.P Value                     |      | AVG. Value |      |                | Q.P<br>Value          | AVG.<br>Value | Q.P Value              |      | AVG. Value |      |  |
|                | N                             | L1   | N          | L1   |                |                       |               | N                      | L1   | N          | L1   |  |
| 2.090          | 25.9                          | 26.3 | ----       | ---- | 0.5            | 56.0                  | 46.0          | 26.4                   | 26.8 | ----       | ---- |  |
| 2.145          | 25.2                          | 26.3 | ----       | ---- | 0.5            | 56.0                  | 46.0          | 25.7                   | 26.8 | ----       | ---- |  |
| 3.406          | 24.7                          | 25.5 | ----       | ---- | 0.6            | 56.0                  | 46.0          | 25.3                   | 26.1 | ----       | ---- |  |
| 3.734          | 30.0                          | 29.9 | ----       | ---- | 0.6            | 56.0                  | 46.0          | 30.6                   | 30.5 | ----       | ---- |  |
| 3.898          | 22.6                          | 23.7 | ----       | ---- | 0.6            | 56.0                  | 46.0          | 23.2                   | 24.3 | ----       | ---- |  |
| 4.230          | 23.2                          | 24.4 | ----       | ---- | 0.6            | 56.0                  | 46.0          | 23.8                   | 25.0 | ----       | ---- |  |

B.

Operation Mode : Adaptor 2Test Date : Dec. 04, 2002Temperature: 27Humidity: 70 %

| Freq.<br>(MHz) | Meter Reading<br>(dB $\mu$ V) |      |            |      | Factor<br>(dB) | Limit<br>(dB $\mu$ V) |               | Result<br>(dB $\mu$ V) |      |            |      |  |
|----------------|-------------------------------|------|------------|------|----------------|-----------------------|---------------|------------------------|------|------------|------|--|
|                | Q.P Value                     |      | AVG. Value |      |                | Q.P<br>Value          | AVG.<br>Value | Q.P Value              |      | AVG. Value |      |  |
|                | N                             | L1   | N          | L1   |                |                       |               | N                      | L1   | N          | L1   |  |
| 0.166          | 50.8                          | 46.1 | ----       | ---- | 0.2            | 65.2                  | 55.2          | 51.0                   | 46.3 | ----       | ---- |  |
| 0.224          | 43.9                          | 41.2 | ----       | ---- | 0.2            | 62.7                  | 52.7          | 44.1                   | 41.4 | ----       | ---- |  |
| 0.283          | 38.3                          | 31.4 | ----       | ---- | 0.2            | 60.7                  | 50.7          | 38.5                   | 31.6 | ----       | ---- |  |
| 0.314          | 24.3                          | 24.3 | ----       | ---- | 0.3            | 59.8                  | 49.8          | 24.6                   | 24.6 | ----       | ---- |  |
| 3.207          | 27.7                          | 28.9 | ----       | ---- | 0.6            | 56.0                  | 46.0          | 28.3                   | 29.5 | ----       | ---- |  |
| 3.266          | 24.0                          | 26.3 | ----       | ---- | 0.6            | 56.0                  | 46.0          | 24.6                   | 26.9 | ----       | ---- |  |

Note : 1. Please see appendix 1 for Plotted Data

2. The expanded uncertainty of the conducted emission tests is 2.45 dB.

## 5.4 Result Data Calculation

The result data is calculated by adding the LISN Factor to the measured reading. The basic equation with a sample calculation is as follows:

$$\text{RESULT} = \text{READING} + \text{LISN FACTOR}$$

Assume a receiver reading of 22.5 dB  $\mu$  V is obtained, and LISN Factor is 0.1 dB, then the total of disturbance voltage is 22.6 dB  $\mu$  V.

$$\text{RESULT} = 22.5 + 0.1 = 22.6 \text{ dB } \mu \text{ V}$$

$$\begin{aligned} \text{Level in } \mu \text{ V} &= \text{Common Antilogarithm}[(22.6 \text{ dB } \mu \text{ V})/20] \\ &= 13.48 \text{ } \mu \text{ V} \end{aligned}$$

## 5.5 Conducted Measurement Equipment

The following test equipment are used during the conducted test.

| Equipment                            | Manufacturer      | Model No. | Next Cal. Date |
|--------------------------------------|-------------------|-----------|----------------|
| EMI Test Receiver                    | Rohde and Schwarz | ESCS 30   | 11/15/2003     |
| Line Impedance Stabilization network | Rohde and Schwarz | ESH2-Z5   | 09/03/2003     |
| Line Impedance Stabilization network | Kyoritsu          | KNW-407   | 12/02/2003     |
| Plotter                              | Hewlett-Packard   | 7440A     | N/A            |
| Shielded Room                        | Riken             | N/A       | N.C.R.         |

## 5.6 Photos of Conduction Measuring Setup

### A. Adaptor 1

Please see setup photos in Exhibit F

B. Adaptor 2

Please see setup photos in Exhibit F

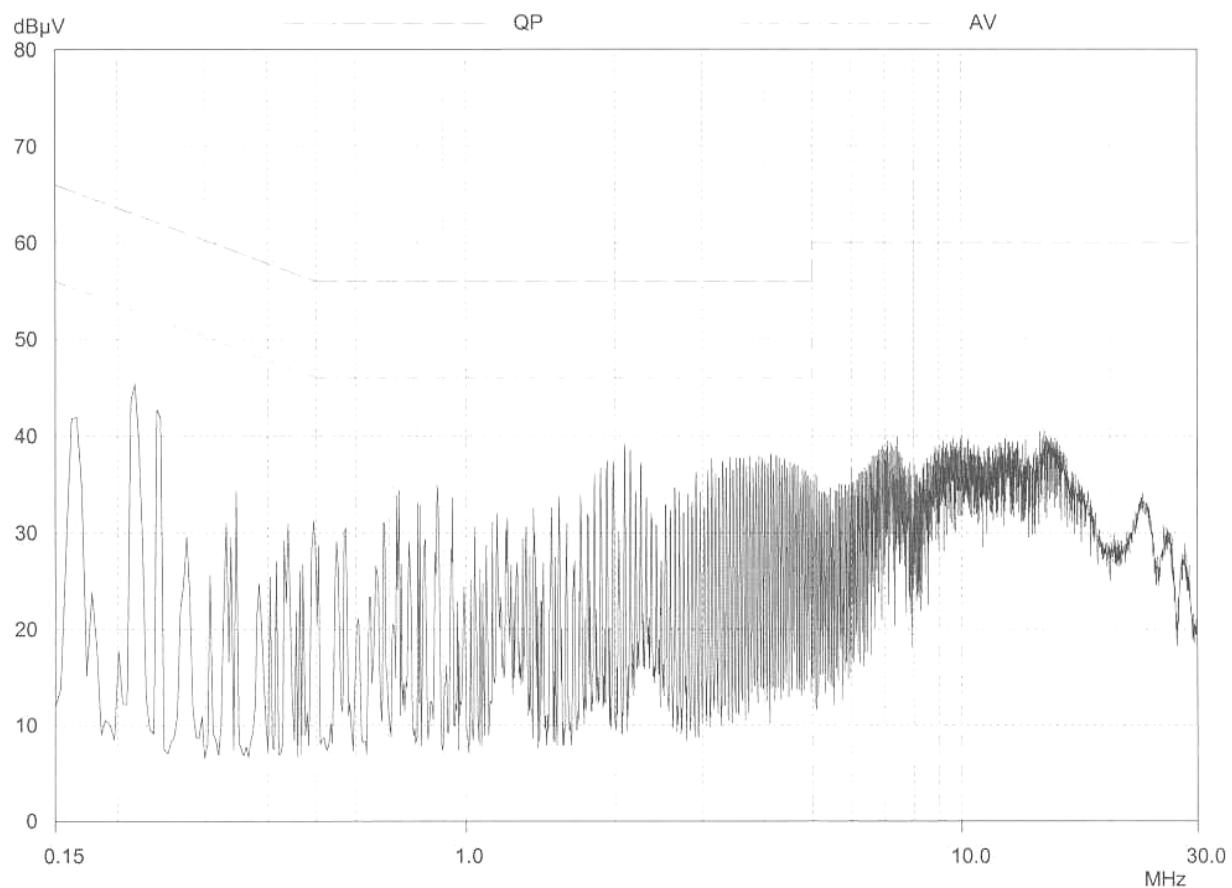
## APPENDIX 1 : PLOTTED DATA FOR CONDUCTED EMISSION

## Conduction Emission Test

## Peak Value

EUT: H300  
Manuf: MOVITA  
Op Cond: AD2  
Operator: ION LIN  
Test Spec: EN 55022 Class B  
Comment:  
Result File: 9.dat : New Measurement

Final Measurement:      Detector: X QP  
                            Meas Time: 1sec  
                            Peaks: 8  
                            Acc Margin: 30 dB



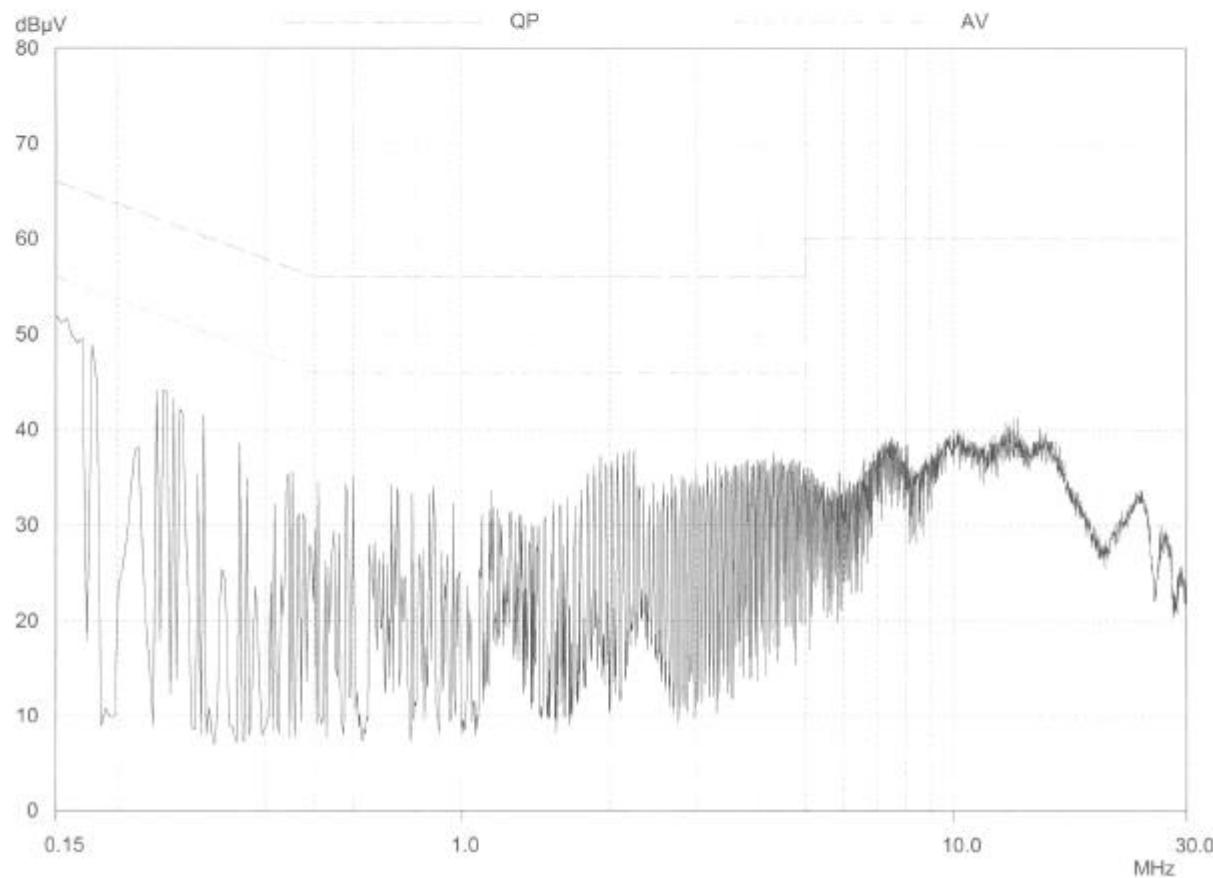
## Conduction Emission Test

## Peak Value

EUT: H300  
Manuf: MOVITA  
Op Cond: AD2  
Operator: ION LIN  
Test Spec: EN 55022 Class B  
Comment:

Result File: L1  
7.dat : New Measurement

Final Measurement: Detector: X QP  
Meas Time: 1sec  
Peaks: 8  
Acc Margin: 30 dB

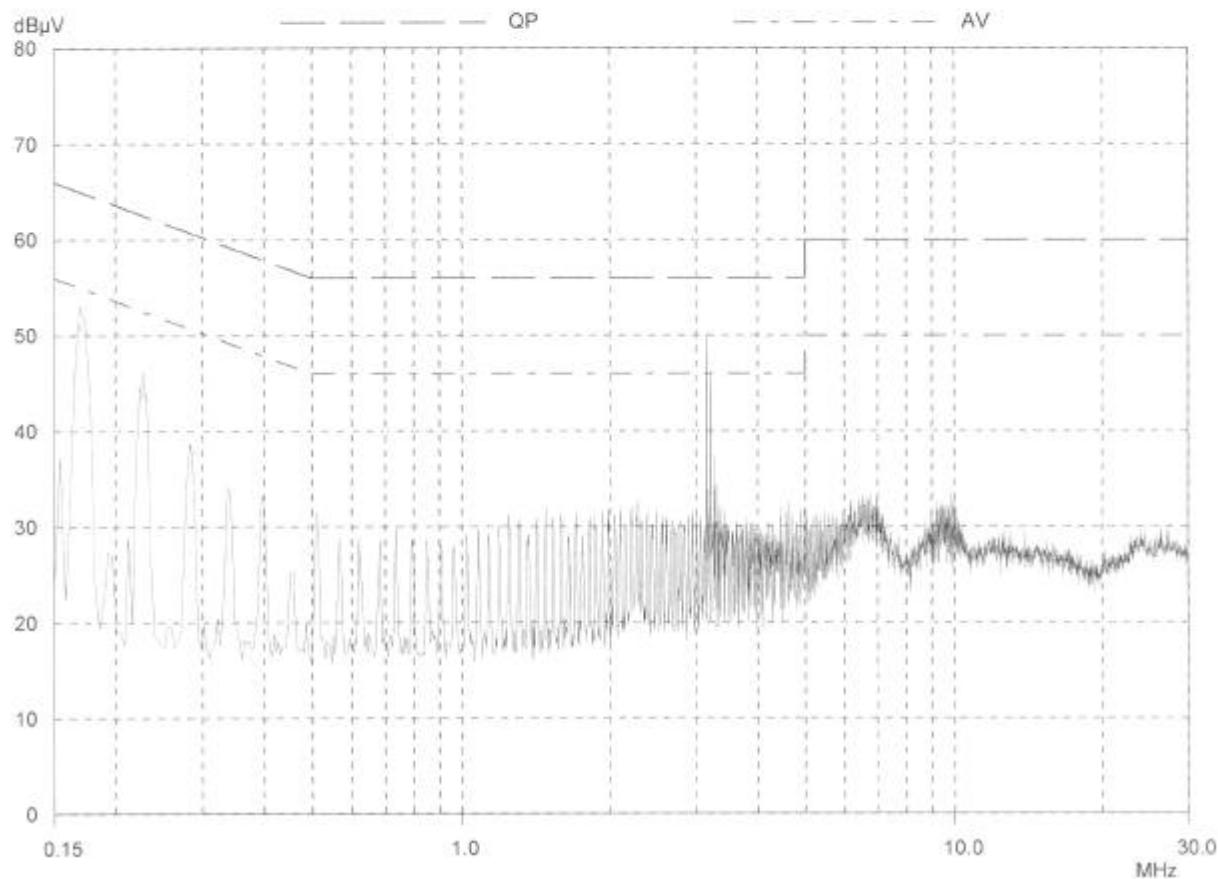


## CONDUCTION EMISSION TEST

## Peak Value

EUT: H300  
Manuf: MOVITA  
Op Cond: AD3  
Operator: ION LIN  
Test Spec:  
Comment: N  
Result File: DVD-RW7.dat : New Measurement

Final Measurement: Detector: X QP  
Meas Time: 1sec  
Peaks: 8  
Acc Margin: 25 dB



## CONDUCTION EMISSION TEST

## Peak Value

EUT: H300

Manuf: MOVITA

Op Cond: AD3

Operator: ION LIN

Test Spec:

Comment:

L1

|                    |             |       |
|--------------------|-------------|-------|
| Final Measurement: | Detector:   | X QP  |
|                    | Meas Time:  | 1sec  |
|                    | Peaks:      | 8     |
|                    | Acc Margin: | 25 dB |

