

**Exhibit C**

FCC/MELLOW

DEC 28 1998

**Measurement Report**

NUTEX COMMUNICATIONS CORP.

FCC ID.: N3Q9VM1201R

Wireless Video Sender Receiver

# FCC Part 15 EMI TEST REPORT

of

E.U.T. : Wireless Video Sender Receiver  
MODEL : CV-981MR  
FCC ID. : N3Q9VM1201R

for

APPLICANT : NUTEX COMMUNICATIONS CORP.  
ADDRESS : 2F, 7-2 INDUSTRY EAST 9TH RD., SCIENCE-  
BASED INDUSTRIAL PARK, HSINCHU,  
TAIWAN, R.O.C.

Test Performed by

ELECTRONICS TESTING CENTER, TAIWAN  
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Report Number : ET87R-11-077-02

# TEST REPORT CERTIFICATION

Applicant : NUTEX COMMUNICATIONS CORP.  
2F, 7-2 INDUSTRY EAST 9TH RD., SCIENCE-BASED  
INDUSTRIAL PARK, HSINCHU, TAIWAN, R.O.C.

Manufacturer : NUTEX COMMUNICATIONS CORP.  
2F, 7-2 INDUSTRY EAST 9TH RD., SCIENCE-BASED  
INDUSTRIAL PARK, HSINCHU, TAIWAN, R.O.C.

Description of EUT :

- a) Type of EUT : Wireless Video Sender Receiver
- b) Trade Name : NUTEX
- c) Model No. : CV-981MR
- d) AC Power Adaptor : I/P: 120V, 60Hz, 10W O/P: DC 12V, 500mA

Regulation Applied : FCC Rules and Regulations Part 15 Subpart B and C(1996)

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. 15, 1998

Test Engineer : Gan Lin Lee  
( Gan-Lin Lee )

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

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## **1 GENERAL INFORMATION**

### **1.1 Product Description**

- a) Type of EUT : Wireless Video Sender Receiver
- b) Trade Name : NUTEX
- c) Model No. : CV-981MR
- d) AC Power Adaptor : I/P: 120V,60Hz, 10W O/P: DC 12V, 500mA

### **1.2 Characteristics of Device**

The Video Sender system is intended for reception and transmission of video signals. There is four channel for operation, and the used transmitting frequencies is 2413-2470 MHz, and the respective receiving frequencies is 1937-1994 MHz. This device also has a remote control function that converts the signals from IR remote controller for TV or VTR and transmits them, from the video receiver to video sender for some control functions, by modulating them to a 434 MHz carrier. The video receiver uses a receiving method of super-heterodyne.

### **1.3 Test Methodology**

Both conducted, radiated, conducted RF output signal and spurious level and transfer switch isolation testing were performed according to the procedures in 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, 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 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 Requirement

#### (1) Conducted Emission Limits

Both intentional and unintentional device, according to § 15.107 and § 15.207, Line Conducted Emission Limits is as following:

**Class B Line Conducted Emission Limits :**

| Frequency<br>MHz | Emissions<br>$\mu V$ | Emissions<br>dB $\mu V$ |
|------------------|----------------------|-------------------------|
| 0.45 - 30.0      | 250                  | 48.0                    |

**(2) Radiated Emission Requirement**

Per § 15.109(a) and § 15.209, Class B radiated emission limits and intentional radiator general limits is as following:

| 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                   |

According to § 15.231 ,Periodic operation in the band 40.66-40.70 MHz and above 70 MHz, the field strength of emissions from intentional radiators operated under this section shall not exceed the following:

| Frequency Band<br>(MHz) | Field strength of<br>Fundamental (uV/m) | Field strength of<br>Spurious (uV/m) |
|-------------------------|-----------------------------------------|--------------------------------------|
| 40.66-40.70             | 2250                                    | 225                                  |
| 70-130                  | 1250                                    | 125                                  |
| 130-174                 | *1,250 to 3,750                         | *125 to 375                          |
| 174-260                 | 3750                                    | 375                                  |
| 260-470                 | *3,750 to 12,500                        | *375 to 1250                         |
| Above 470               | 12500                                   | 1250                                 |

\* Linear interpolations.

**(3) Limit of transmission time**

Per § 15.231(a)(1), A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.

Per § 15.231(a)(2), A transmitter activated automatically shall cease transmission within 5 seconds after activation.

**(4) Limit of emission bandwidth**

Per § 15.231(c), the bandwidth of the emission shall be no wider than 25% of the center frequency for devices operating above 70 MHz and below 900 MHz. Bandwidth is determined at the points 20 dB down from the modulated carrier.

## 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 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.

#### 3.2 Device for Tested System

| Device                             | Manufacture | Model / FCC ID.         | Description                                       |
|------------------------------------|-------------|-------------------------|---------------------------------------------------|
| Wireless Video<br>Sender Receiver* | COMTEX      | CV-981MR<br>N3Q9VM1201R | 1.8m Unshielded AC Power Adaptor<br>AV Cable 1.5m |
| 10" Color TV<br>Monitor            | ACTION      | CAN-9108                | 1.2m Unshielded Power Cord                        |

Remark "\*" means equipment under test.

## 4 RADIATED EMISSION MEASUREMENT

### 4.1 Description for Radiated Emission Measured

According to § 15.33 (b), radiated emission frequency was measured from 30 MHz to 5GHz.

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.

According to FCC rule, for device submitted for notification in this report, the limit below 1 GHz is quasi peak and above 1 GHz is both peak and average applied. It is considered that the emission level is also in compliance with average limit when the measurement with peak function meets average limit. *All data listed in this section is derived with peak function detector.*

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 Rx Portion**

a. CH 1

Operation Condition : Receiving (1937MHz)

Test Date : DEC. 03, 1998      Temperature : 20 °C      Humidity: 50%

| Frequency<br><br>(MHz) | Reading (dBuV) |     |      |     | Factor<br>(dB)<br><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. |                |                         |                     |
| 1937.910               | 45.0           | *** | 48.9 | *** | -5.0                        | 43.9                   | *** | 74.0                  | 54.0 | -10.1          | 0                       | 1.00                |
| 3875.820               | 46.5           | *** | 50.3 | *** | 1.5                         | 51.8                   | *** | 74.0                  | 54.0 | -2.2           | 210                     | 1.50                |
| 5813.730               | 42.4           | *** | 43.8 | *** | 4.5                         | 48.3                   | *** | 74.0                  | 54.0 | -5.7           | 180                     | 1.50                |
| 7751.640               | 40.4           | *** | 41.8 | *** | 6.3                         | 48.1                   | *** | 74.0                  | 54.0 | -5.9           | 90                      | 1.50                |
| 9689.550               | ---            | --- | ---  | --- | 7.3                         | ---                    | --- | 74.0                  | 54.0 | ---            | ---                     | ---                 |
| 11627.460              | ---            | --- | ---  | --- | 9.1                         | ---                    | --- | 74.0                  | 54.0 | ---            | ---                     | ---                 |
| 13565.370              | ---            | --- | ---  | --- | 11.0                        | ---                    | --- | 74.0                  | 54.0 | ---            | ---                     | ---                 |
| 15503.280              | ---            | --- | ---  | --- | 9.0                         | ---                    | --- | 74.0                  | 54.0 | ---            | ---                     | ---                 |
| 17441.190              | ---            | --- | ---  | --- | 15.8                        | ---                    | --- | 74.0                  | 54.0 | ---            | ---                     | ---                 |
| 19379.100              | ---            | --- | ---  | --- | 8.7                         | ---                    | --- | 74.0                  | 54.0 | ---            | ---                     | ---                 |

Note :

1. Item of margin shown in above table refer to average limit.
2. 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.
3. Remark "---" means that the emissions level is too low to be measured.
4. Item "Margin" referred to Average limit while there is only peak result.

1. Item of margin shown in above table refer to average limit.
2. It is considered that the results of average comply with average limit with data with a peak function detector meet the average limit. Mark "\*\*\*\*" n result is meet average limit.
3. Remark "---" means that the emissions level is too low to be measured.
4. Item "Margin" referred to Average limit while there is only peak result.

[illegible]

c. CH 4

Operation Condition : Receiving (1994MHz)

Test Date : DEC. 03, 1998      Temperature : 20 °C      Humidity: 50%

| Frequency | (MHz) | H<br>Reading (dBuV) |      |      | V<br>Peak Ave |      | Factor | Result @3m<br>(dBuV/m) | Limit @3m<br>(dBuV/m) | Margin<br>(dB) | Table<br>Deg. (Deg.) | Ant.<br>High (m) |
|-----------|-------|---------------------|------|------|---------------|------|--------|------------------------|-----------------------|----------------|----------------------|------------------|
| 1994.950  | 46.4  | ***                 | 48.9 | ***  | -4.6          | 44.3 | ***    | 74.0                   | 54.0                  | -9.7           | 0                    | 1.00             |
| 3989.900  | 48.7  | ***                 | 52.0 | 48.4 | 2.0           | 54.0 | 50.4   | 74.0                   | 54.0                  | -3.6           | 180                  | 1.30             |
| 5984.850  | 47.1  | ***                 | 47.8 | ***  | 4.5           | 52.3 | ***    | 74.0                   | 54.0                  | -1.7           | 30                   | 1.50             |
| 7979.800  | 40.3  | ***                 | 41.2 | ***  | 6.4           | 47.6 | ---    | 74.0                   | 54.0                  | -6.4           | 90                   | 1.50             |
| 9974.750  | ---   | ---                 | ---  | ---  | 7.4           | ---  | ---    | 74.0                   | 54.0                  | ---            | ---                  | ---              |
| 11969.700 | ---   | ---                 | ---  | ---  | 9.2           | ---  | ---    | 74.0                   | 54.0                  | ---            | ---                  | ---              |
| 13964.650 | ---   | ---                 | ---  | ---  | 11.3          | ---  | ---    | 74.0                   | 54.0                  | ---            | ---                  | ---              |
| 15959.600 | ---   | ---                 | ---  | ---  | 7.9           | ---  | ---    | 74.0                   | 54.0                  | ---            | ---                  | ---              |
| 17954.550 | ---   | ---                 | ---  | ---  | 17.3          | ---  | ---    | 74.0                   | 54.0                  | ---            | ---                  | ---              |
| 19949.500 | ---   | ---                 | ---  | ---  | 8.6           | ---  | ---    | 74.0                   | 54.0                  | ---            | ---                  | ---              |

Note :

1. Item of margin shown in above table refer to average limit.

2. 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.

3. Remark "---" means that the emissions level is too low to be measured.

4. Item "Margin" referred to Average limit while there is only peak result.

**4.2.2 Tx Portion**

Operation Condition : Transmitting (434MHz)

Test Date : DEC. 03, 1998

Temperature : 23 °C

Humidity: 50%

| Frequency<br>(MHz) | Reading<br>(dBuV) |      | Factor<br>(dB)<br>Corr. | Result<br>@3m<br>(dBuV/m) | Limit @3m<br>(dBuV/m)<br>Peak Ave. |      | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(m) |
|--------------------|-------------------|------|-------------------------|---------------------------|------------------------------------|------|----------------|---------------------------|---------------------|
|                    | H                 | V    |                         |                           |                                    |      |                |                           |                     |
| 435.003            | 71.2              | 63.6 | -5.5                    | 65.7                      | 100.8                              | 80.8 | -15.1          | 280                       | 2.00                |
| 870.010            | 43.0              | 37.0 | 2.4                     | 45.4                      | 80.8                               | 60.8 | -15.4          | 315                       | 2.00                |
| 1305.092           | 45.4              | 44.8 | -8.4                    | 37.0                      | 74.0                               | 54.0 | -17.0          | 320                       | 1.50                |
| 1740.237           | 42.8              | 41.0 | -6.1                    | 36.7                      | 74.0                               | 54.0 | -17.3          | 290                       | 1.40                |
| 2175.196           | ---               | ---  | -3.9                    | ---                       | 74.0                               | 54.0 | ---            | ---                       | ---                 |

Note :

1. Item of margin shown in above table refers to AV. limit.
2. Remark "---" means that the emission level is too low to be measured.

**4.2.3 Other Emissions**

Operation Condition : Receiving

Test Date : MAR. 07, 1998      Temperature : 20 °C      Humidity: 70%

| Frequency<br>(MHz) | Ant-Pol<br>H/V | Meter<br>Reading<br>(dBuV) | Corrected<br>Factor<br>(dB) | Result @3m<br>(dBuV/m) | Limit @3m<br>(dBuV/m) | Margin<br>(dB) | Table<br>Degree<br>(Deg.) | Ant.<br>High<br>(m) |
|--------------------|----------------|----------------------------|-----------------------------|------------------------|-----------------------|----------------|---------------------------|---------------------|
| 30.000             | H/V            | ---                        | -9.8                        | ---                    | 40.0                  | ---            | ---                       | ---                 |
| 80.000             | H/V            | ---                        | -15.0                       | ---                    | 40.0                  | ---            | ---                       | ---                 |
| 150.000            | H/V            | ---                        | -10.0                       | ---                    | 43.5                  | ---            | ---                       | ---                 |
| 200.000            | H/V            | ---                        | -7.1                        | ---                    | 43.5                  | ---            | ---                       | ---                 |
| 350.000            | H/V            | ---                        | -10.5                       | ---                    | 46.0                  | ---            | ---                       | ---                 |
| 500.000            | H/V            | ---                        | -4.4                        | ---                    | 46.0                  | ---            | ---                       | ---                 |

Note :

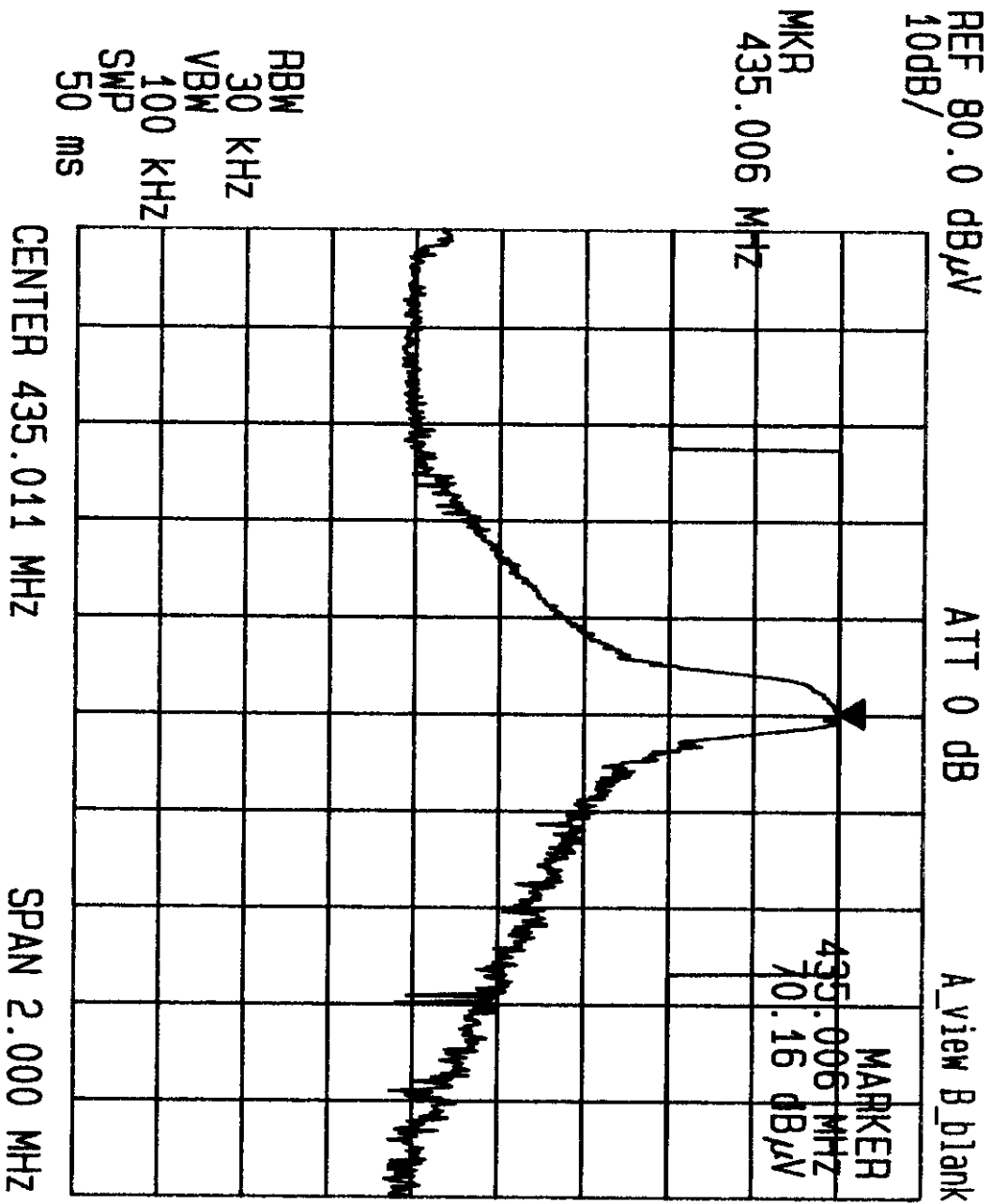
12. Remark "---" means that the emission level is too low to be measured.

**4.3 Periodic Operation Tx Activate Time**

This transmitter is operated by Manual, and Activate Time is less than 5 second after being released.

#### 4.4 Emission Bandwidth

For 434MHz Transmitter Portion  
Permitted emission bandwidth is  $435.006 \times 0.0025 = 1087.515\text{KHz}$   
Reference modulated carrier & Emission Bandwidth



## 4.5 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:

$$RESULT = READING + CORR. FACTOR$$

where CORR. FACTOR = Antenna FACTOR + Cable FACTOR

And the average value is

$$Average = Peak Value + Duty Factor$$

*Note : It is considered that the average results comply with average limit when measuring data with a peak function detector meets the average limit.*

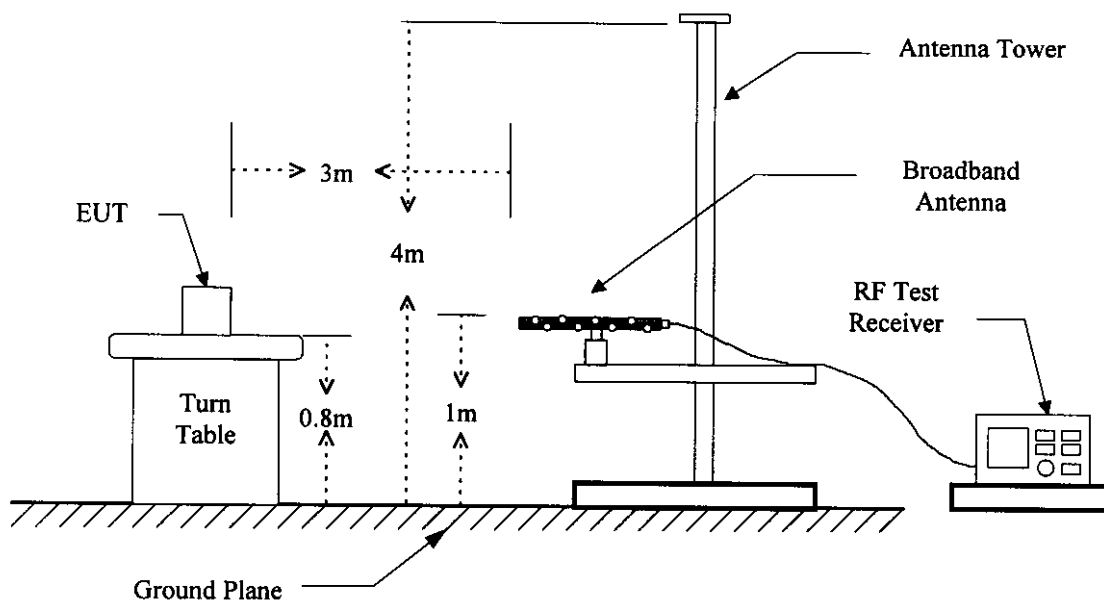
## 4.6 Equipment for Radiation Measurement

The following test equipment are used during the radiated test .

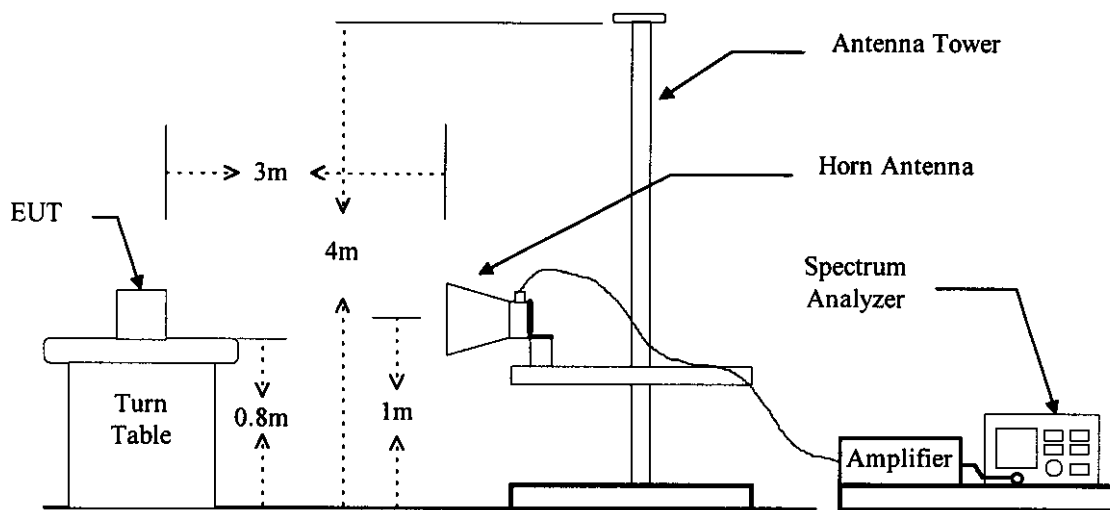
| Equipment                  | Manufacturer    | Model No. | Next Cal. Date |
|----------------------------|-----------------|-----------|----------------|
| Spectrum Analyzer          | Hewlett-Packard | 8568B     | 10/16/1999     |
| Pre-selector               | Hewlett-Packard | 85685A    | 10/16/1999     |
| Quasi Peak Detector        | Hewlett-Packard | 85650A    | 10/07/1999     |
| RF Test Receiver           | Rohde & Schwarz | ESVS 30   | 12/19/1999     |
| Log periodic Antenna       | EMCO            | 3146      | 09/15/1999     |
| Biconical Antenna          | EMCO            | 3110      | 09/15/1999     |
| Preamplifier               | Hewlett-Packard | 8447D     | 09/17/1999     |
| Micro Wave EMI Test System | Hewlett-Packard | 84125C    | 06/19/1999     |

## 4.9 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 Description

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.

For this TV interface is a wireless receiver, applying a test signal recommended in ANSI C63.4 by directly conducting is not practical and available, therefore, a VITS test signal is applied via its respective transmitter.

### 5.2 Conducted Emission Data

#### a. CH 1

Operation Mode : Transmitting

Test Date : DEC. 04, 1998

Temperature : 23 °C

Humidity: 50%

| Frequency<br>(MHz) | Reading (dBuV) |      | Factor<br>(dB) | Result (dBuV) |      | Limit<br>(dBuV) | Margin<br>(dB) |
|--------------------|----------------|------|----------------|---------------|------|-----------------|----------------|
|                    | Va             | Vb   |                | Va            | Vb   |                 |                |
| 0.4510             | 41.6           | 34.8 | 0.2            | 41.8          | 35.0 | 48.0            | -6.2           |
| 0.4776             | 39.5           | 31.8 | 0.2            | 39.7          | 32.0 | 48.0            | -8.3           |
| 0.6041             | 34.4           | 24.9 | 0.2            | 34.6          | 25.1 | 48.0            | -13.4          |
| 0.7404             | 31.4           | 20.3 | 0.3            | 31.7          | 20.6 | 48.0            | -16.3          |
| 1.0961             | 28.1           | 23.2 | 0.3            | 28.4          | 23.5 | 48.0            | -19.6          |
| 1.1021             | 28.0           | 23.4 | 0.3            | 28.3          | 23.7 | 48.0            | -19.7          |

## b. CH 3

Operation Mode : Transmitting

Test Date : DEC. 04, 1998

Temperature : 23 °C

Humidity: 50%

| Frequency<br>(MHz) | Reading (dBuV) |      | Factor<br>(dB) | Result (dBuV) |      | Limit<br>(dBuV) | Margin<br>(dB) |
|--------------------|----------------|------|----------------|---------------|------|-----------------|----------------|
|                    | Va             | Vb   |                | Va            | Vb   |                 |                |
| 0.4506             | 42.0           | 34.9 | 0.2            | 42.2          | 35.1 | 48.0            | -5.8           |
| 0.4803             | 39.3           | 32.0 | 0.2            | 39.5          | 32.2 | 48.0            | -8.5           |
| 0.6034             | 34.6           | 24.0 | 0.2            | 34.8          | 24.2 | 48.0            | -13.2          |
| 0.7451             | 32.0           | 20.4 | 0.3            | 32.3          | 20.7 | 48.0            | -15.7          |
| 1.0984             | 28.4           | 23.1 | 0.3            | 28.7          | 23.4 | 48.0            | -19.3          |
| 1.1039             | 28.5           | 23.5 | 0.3            | 28.8          | 23.8 | 48.0            | -19.2          |

## c. CH 4

Operation Mode : Transmitting

Test Date : DEC. 04, 1998

Temperature : 23 °C

Humidity: 50%

| Frequency<br>(MHz) | Reading (dBuV) |      | Factor<br>(dB) | Result (dBuV) |      | Limit<br>(dBuV) | Margin<br>(dB) |
|--------------------|----------------|------|----------------|---------------|------|-----------------|----------------|
|                    | Va             | Vb   |                | Va            | Vb   |                 |                |
| 0.4509             | 42.0           | 36.4 | 0.2            | 42.2          | 36.6 | 48.0            | -5.8           |
| 0.4810             | 38.5           | 34.3 | 0.2            | 38.7          | 34.5 | 48.0            | -9.3           |
| 0.6072             | 35.4           | 28.7 | 0.2            | 35.6          | 28.9 | 48.0            | -12.4          |
| 0.7468             | 34.0           | 23.6 | 0.3            | 34.3          | 23.9 | 48.0            | -13.7          |
| 1.0943             | 29.8           | 24.5 | 0.3            | 30.1          | 24.8 | 48.0            | -17.9          |
| 1.1122             | 29.7           | 26.4 | 0.3            | 30.0          | 26.7 | 48.0            | -18.0          |

### 5.3 Result Data Calculation

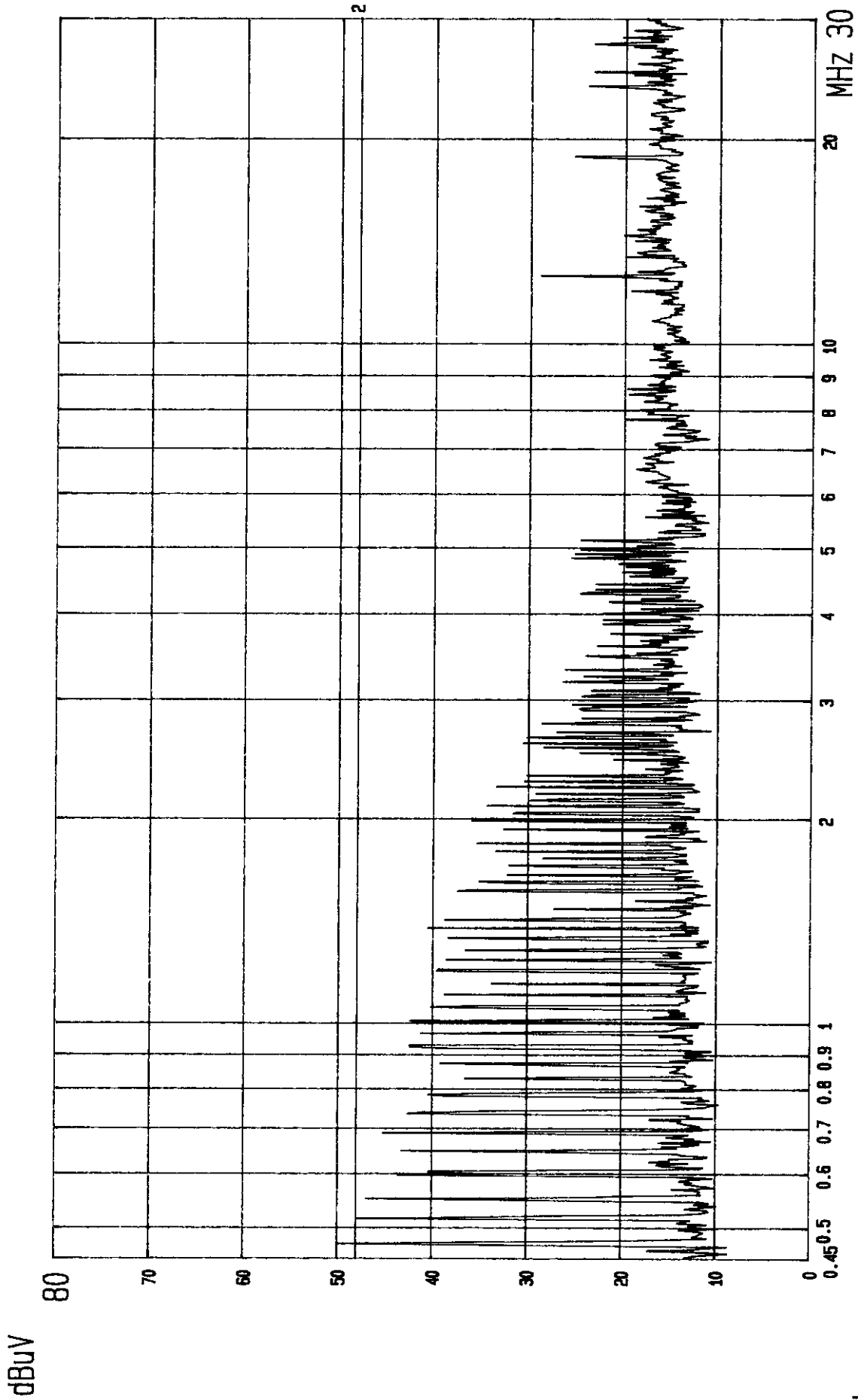
The result data is calculated by adding the LISN Factor to the measured reading. The basic equation with a sample calculation is as follows:

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

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

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

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

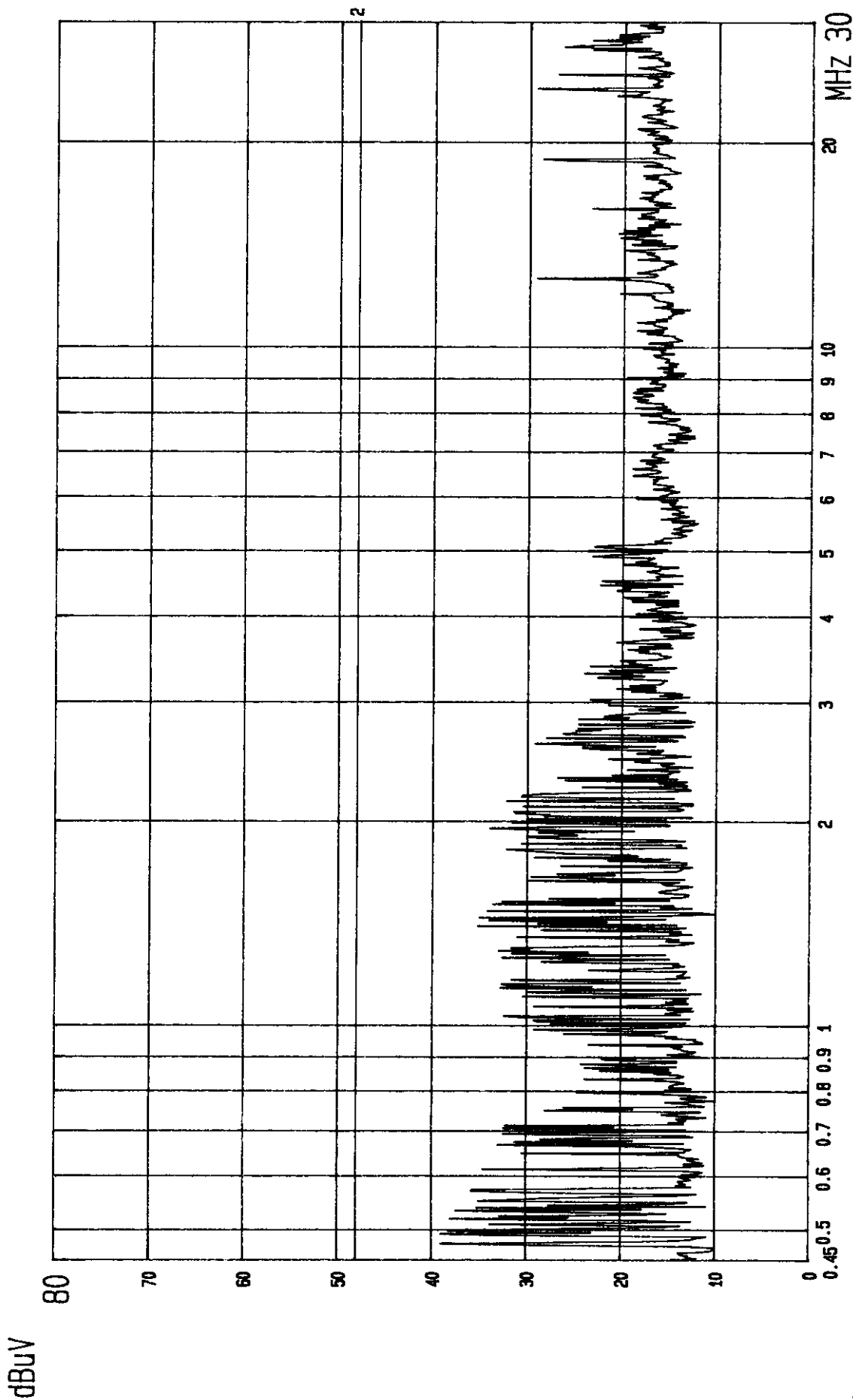


CLASS B LIMIT  
ETC EMI LAB.

2:QP  
LISN: Va

EUT: AV SENDER (RX)  
MODE: CH1  
POWER: 120V/60HZ

FCC CONDUCTED TEST  
MODEL: CV-981MR

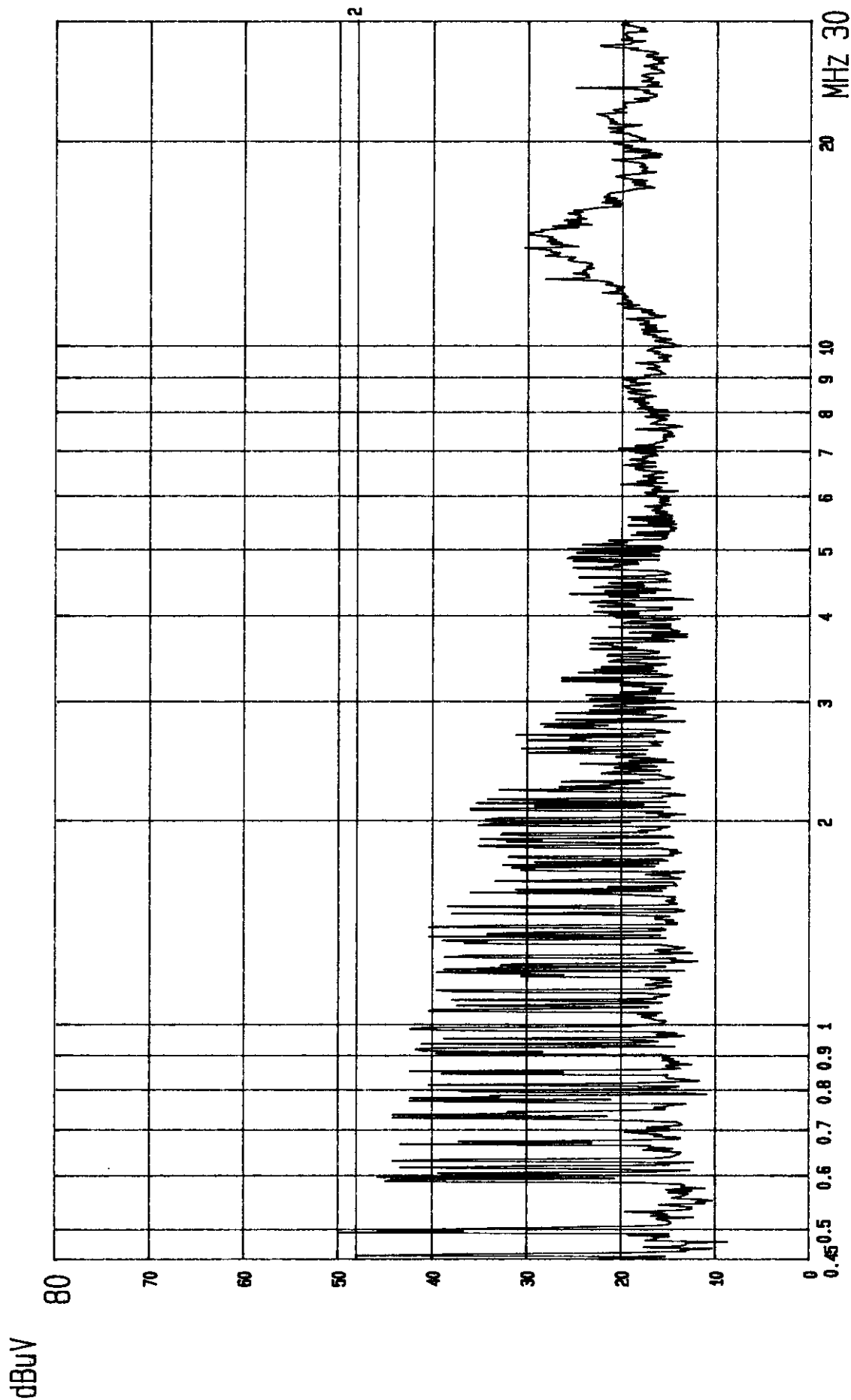


CLASS B LIMIT  
ETC EMI LAB.

2:QP  
LISN: Vb

EUT: AV SENDER (RX)  
MODE: CH1  
POWER: 120V/60HZ

FCC CONDUCTED TEST  
MODEL: CV-981MR

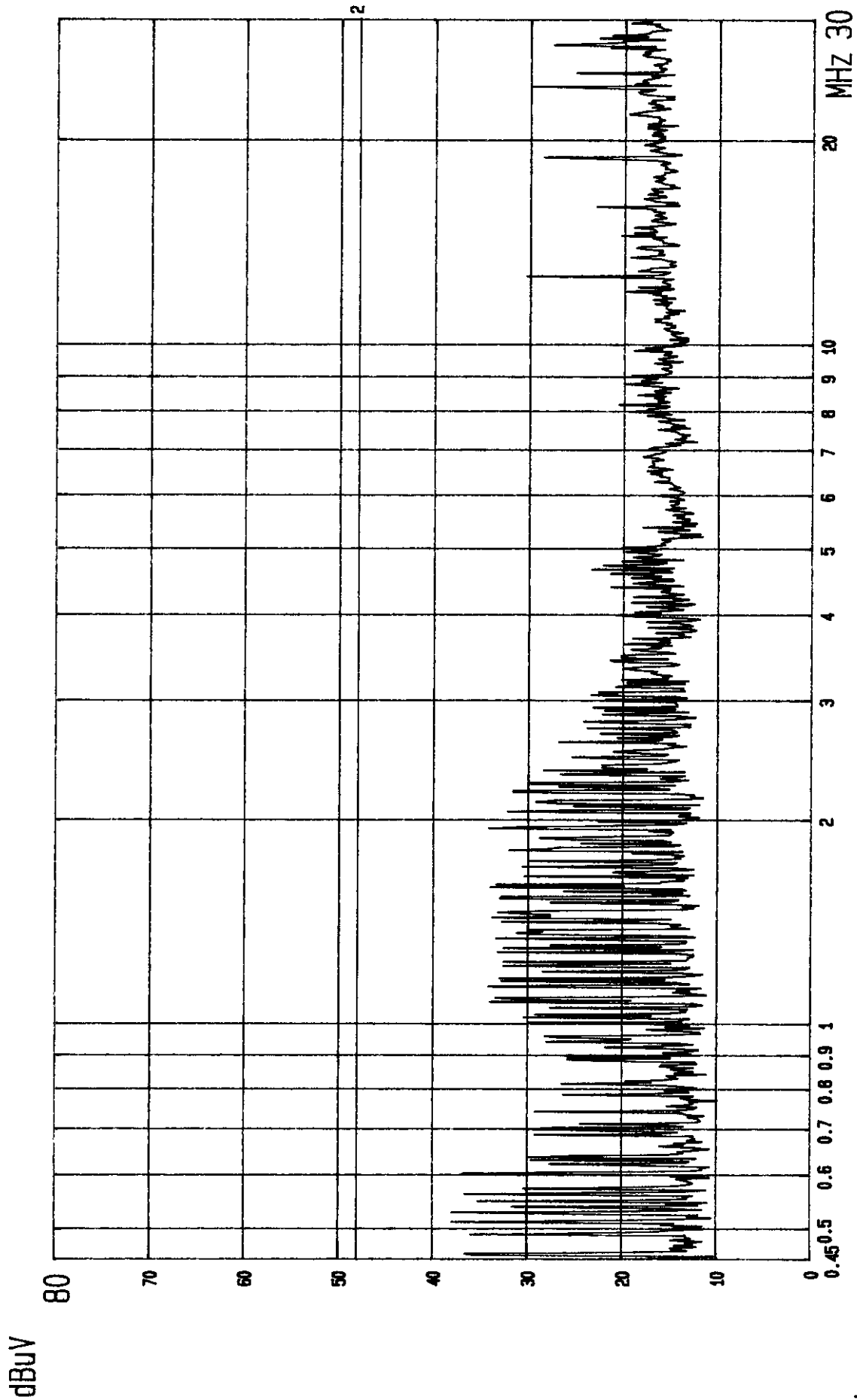


CLASS B LIMIT  
ETC EMI LAB.

2:QP  
LISN: Va

EUT: AV SENDER (RX)  
MODE: CH3  
POWER: 120V/60HZ

FCC CONDUCTED TEST  
MODEL: CV-981MR



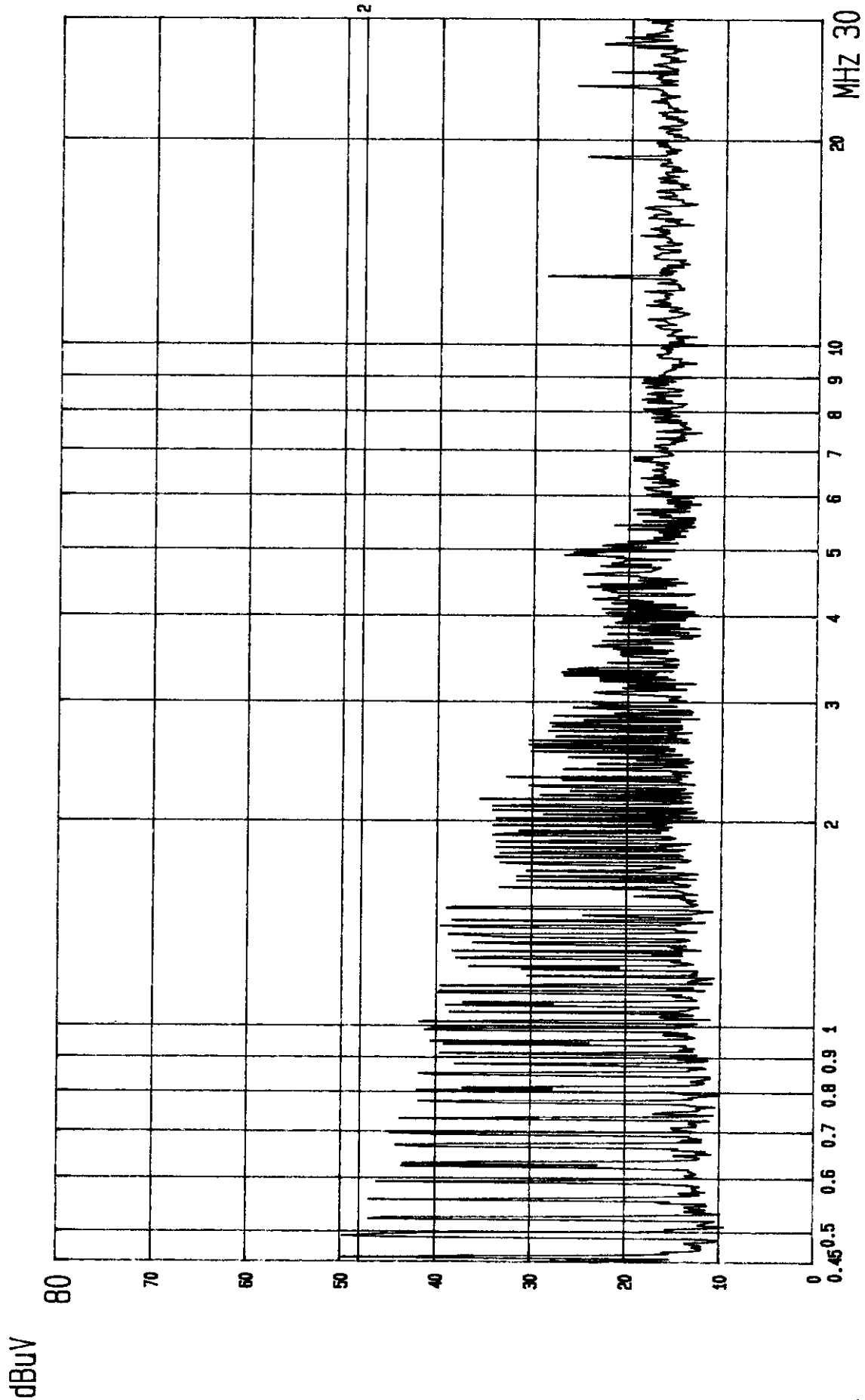
CLASS B LIMIT  
ETC EMI LAB.

2: QP  
LISN: Vb

POWER: 120V/60HZ

EUT: AV SENDER (RX)  
MODE: CH3

FCC CONDUCTED TEST  
MODEL: CV-981MR



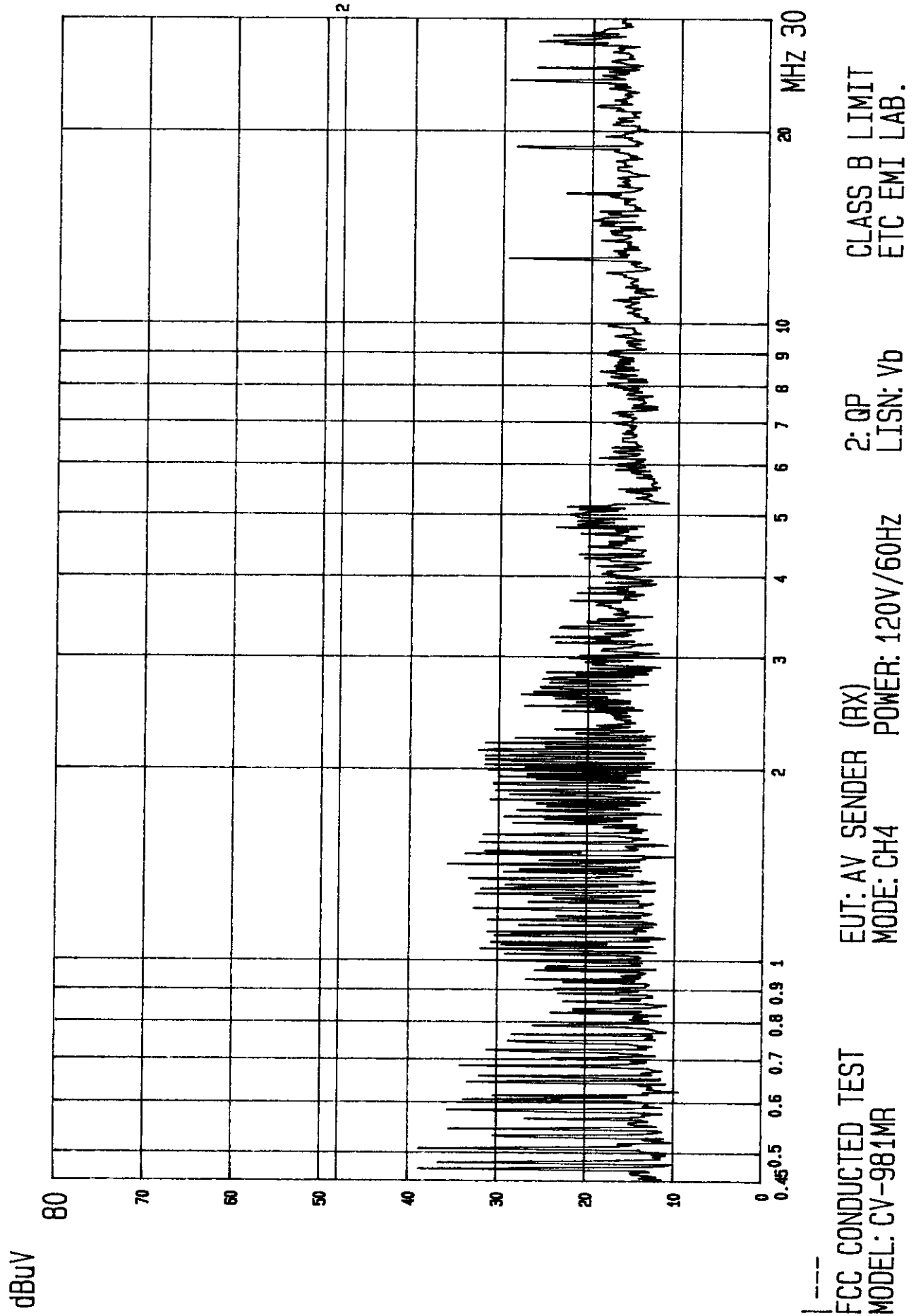
CLASS B LIMIT  
ETC EMI LAB.

2:QP  
LISN: Va

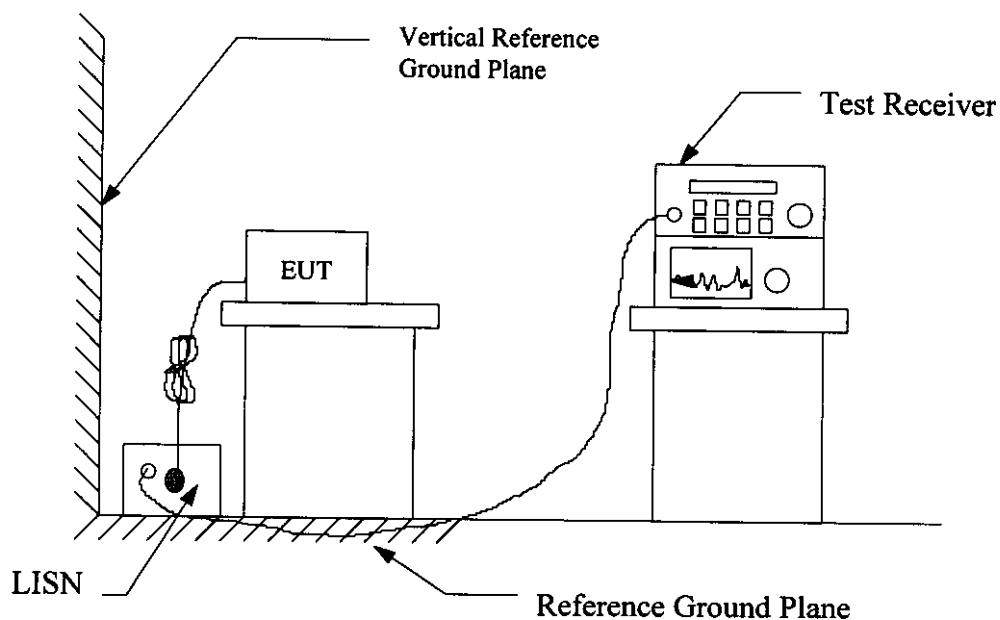
POWER: 120V/60HZ

EUT: AV SENDER (RX)  
MODE: CH4

FCC CONDUCTED TEST  
MODEL: CV-981MR



## 5.5 Conducted Measuring Setup Diagram



## 5.6 Conducted Measurement Equipment

The following test equipment are used during the conducted test .

| Equipment                            | Manufacturer      | Model No. | Next Cal. Date |
|--------------------------------------|-------------------|-----------|----------------|
| RF Test Receiver                     | Rohde and Schwarz | ESH3      | 01/04/1999     |
| Spectrum Monitor                     | Rohde and Schwarz | EZM       | N.C.R.         |
| Line Impedance Stabilization network | Kyoritsu          | KNW-407   | 12/01/1999     |
| Line Impedance Stabilization network | Rohde and Schwarz | ESH2-Z5   | 08/18/1999     |
| Plotter                              | Hewlett-Packard   | 7440A     | N/A            |
| Shielded Room                        | Riken             |           | N.C.R.         |

## **Exhibit D**

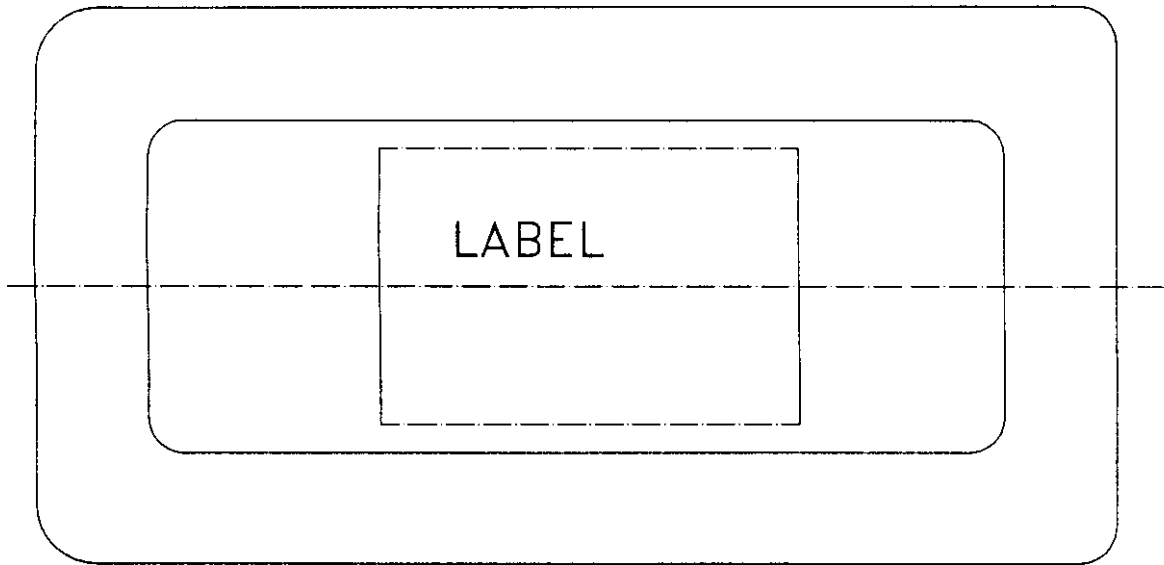
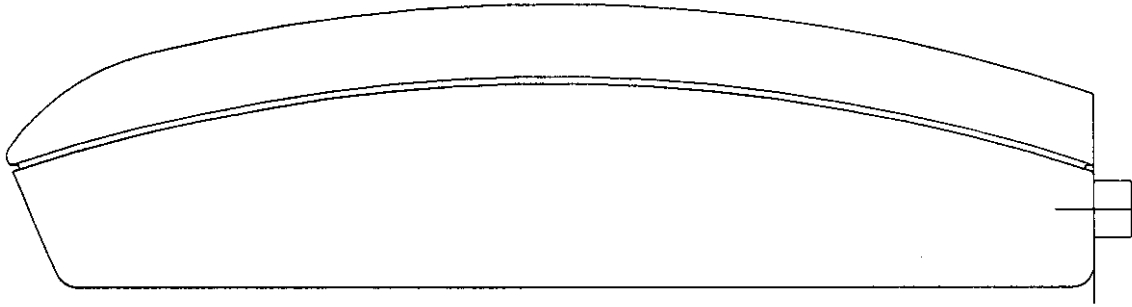
## **Equipment ID. Label**

**NUTEX COMMUNICATIONS CORP.**

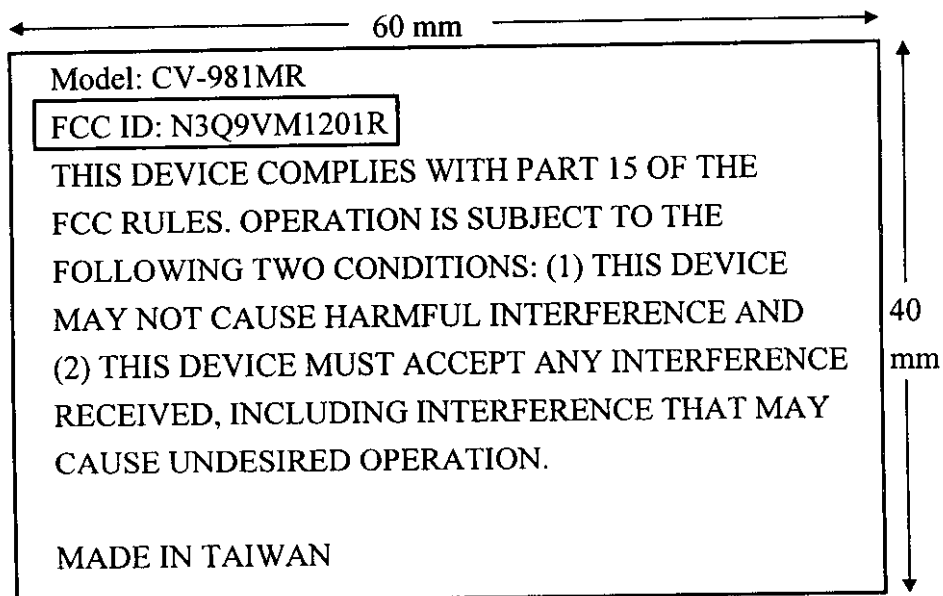
**FCC ID.: N3Q9VM1201R**

**Wireless Video Sender Receiver**

1. A label in the next page will be affixed to the base of the device.



BACK SIDE



## 4.7 Measuring Instrument Setup

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

| Frequency Band<br>(MHz) | Instrument        | Function   | Resolution<br>bandwidth | Video<br>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                   | 300 Hz             |

| Frequency (MHz) | Reading (dBuV) | H   | Peak Ave | Peak Ave | Factor (dB) | Result @3m (dBuV/m) | Peak Ave | Limit @3m (dBuV/m) | Margin (dB) | Table Deg. (Deg.) | Ant. High (m) |
|-----------------|----------------|-----|----------|----------|-------------|---------------------|----------|--------------------|-------------|-------------------|---------------|
| 1975.830        | 45.3           | *** | 47.8     | ***      | -4.7        | 43.1                | ***      | 74.0               | 54.0        | -10.9             | 0             |
| 3951.660        | 47.3           | *** | 50.4     | ***      | 1.8         | 52.2                | ***      | 74.0               | 54.0        | -1.8              | 180           |
| 5927.490        | 47.1           | *** | 44.3     | ***      | 4.5         | 51.6                | ***      | 74.0               | 54.0        | -2.4              | 90            |
| 7903.320        | 40.5           | *** | 43.0     | ***      | 6.4         | 49.4                | ***      | 74.0               | 54.0        | -4.6              | 0             |
| 9879.150        | ---            | --- | ---      | ---      | 7.4         | ---                 | ---      | 74.0               | 54.0        | ---               | ---           |
| 11854.980       | ---            | --- | ---      | ---      | 9.2         | ---                 | ---      | 74.0               | 54.0        | ---               | ---           |
| 13830.810       | ---            | --- | ---      | ---      | 11.2        | ---                 | ---      | 74.0               | 54.0        | ---               | ---           |
| 15806.640       | ---            | --- | ---      | ---      | 8.3         | ---                 | ---      | 74.0               | 54.0        | ---               | ---           |
| 17782.470       | ---            | --- | ---      | ---      | 16.9        | ---                 | ---      | 74.0               | 54.0        | ---               | ---           |
| 19758.300       | ---            | --- | ---      | ---      | 8.6         | ---                 | ---      | 74.0               | 54.0        | ---               | ---           |

Note :

1. Item of margin shown in above table refer to average limit.
2. 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.
3. Remark "----" means that the emissions level is too low to be measured.
4. Item "Margin" referred to Average limit while there is only peak result.