

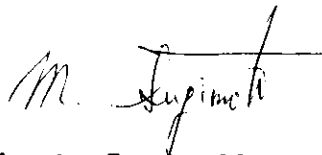
Report No. MO-065

Date : June 4, 1998

ENGINEERING TEST REPORT

1. Name of Manufacturer : SANYO Industries (Singapore) Pte., Ltd.  
117/119, Neythal Road,  
Singapore 628604
2. Description of Equipment : Microwave Oven
  - a. FCC ID : AEZM313
  - b. Model No. : 565.69380890
  - c. Rated Power Supply : AC Single Phase 120V, 60Hz
  - d. Rated Power Consumption : 1,650 Watts
  - e. Operating Frequency : 2,450 MHz
  - f. RF (Microwave) Power : 1,100 Watts
  - g. Magnetron : 2M-247H
3. Intended Use : Household Cooking Appliance
4. Measurement Procedure Used : FCC Rules Part 18,  
Subpart B and C
5. Date of Measurement : May 13, 1998  
June 3, 1998

I hereby certify that the tests reported herein were conducted in accordance with the method of measurement described in FCC Rules Part 18, Subpart B and C.



**Muneaki Sugimoto**, Section Manager  
SANYO Electric Co., Ltd.  
Microwave Oven Div. Engineering Dept.  
Phone +81-77-543-5669 Fax +81-77-545-3583

Issued : June 4, 1998

18.207 TECHNICAL REPORT

(a) DESCRIPTION OF THE MEASUREMENT FACILITIES

- (1) SANYO Electric Co., Ltd. Shiga Measurement Station  
..... Refer to Report No. FO-86-1 (February 1, 1986)
- (2) Kansai Electric Industry Development Center (KEC),  
Ikoma Testing Laboratory, Open Test Site No. 2  
..... Refer to Attachment #1C in this Test Report.

(a) A COPY OF THE INSTALLATION AND OPERATING INSTRUCTIONS

See Attachment #4.

(b) THE FULL NAME AND MAILING ADDRESS OF THE MANUFACTURER  
FOR THE EQUIPMENT AUTHORIZATION

Mr. James Roach  
SANYO Sales & Supply (U.S.A.) Corp.  
Suite 300, N. Arlington Heights Road,  
Itasca, Illinois 60143, U.S.A.

(c) THE FCC IDENTIFIER, MODEL NUMBER(S)

FCC ID : **AEZM313**  
MODEL NO(S) : 565.69380890

(d) STATEMENT OF THE RATED TECHNICAL PARAMETERS

- (1) Circuit Diagram : See Attachment #3
- (2) Nominal Operating Frequency : 2,450 MHz
- (3) Maximum RF Energy Generated : 1,100 Watts
- (4) Electrical Power Requirements of Equipment : 1,650 Watts
- (5) Any Other Pertinent Operating Characteristics : None.

(e) REPORT OF MEASUREMENTS

See Attachment #1, #1A, #1B, #1C and #1D

TH-98-102-E2

Date : June 4, 1998

**Federal Communication Commission**

c/o Melon Bank

Three Melon Bank Center,

525 William Penn Way

27<sup>th</sup> Floor, Room 153-2713

Pittsburgh, Pennsylvania 15251-5315

**Attention : Wholesale Lockbox Shift Supervisor****Subject : Application of FCC ID : AEZM313 for Certification**

Dear Sir and Madam,

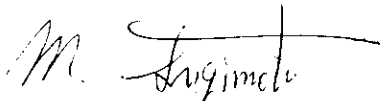
We apply new FCC ID AEZM313 for FCC Certification under Rules and Regulation Part 18.

Microwave Oven with this new ID will be manufactured by SANYO Industries (Singapore) Pte., Ltd. and will be marketed in quantities excess of five units.

The following materials are attached for your investigation.

1. FCC Form 731
2. Engineering Test Report No. **MO-065**
  - Report of Measurements (Attachment #1, #1A, #1B, #1C and #1D)
  - A copy of FCC ID Label (Attachment #2)
  - A copy of Circuit Diagram (Attachment #3)
  - A copy of Use & Care Manual (Attachment #4)
  - Photographs (Attachment #5)

Your prompt attention to the above matter would be highly appreciated.  
Very truly yours,



**Muneaki Sugimoto**, Section Manager  
SANYO Electric Co., Ltd.

Microwave Oven Div. Engineering Dept.

Phone +81-77-543-5669 Fax +81-77-545-3583

Copy to : Mr. James Roach, SANYO Sales &amp; Supply (U.S.A.) Corp.



**SANYO Sales & Supply Company**

A Division of SANYO North America Corporation

900 N. Arlington Heights Rd. - Suite 300

Itasca, IL 60143-2844

Telephone: (630) 775-0404

FAX: (630) 775-0044

**June 11, 1998**

**JMR-98-016**

**Federal Communications Commission  
C/O Mellon Bank  
Three Mellon Bank Center  
525 William Penn Way  
27th Floor, Room 153-2713  
Pittsburgh, PA 15251-5313**

**Subject: Application of Equipment, Authorization of Certification  
AEZM313/Model 565.69380890**

**Dear Application Officer:**

**We respectfully request approval of the subject Microwave Oven under FCC ID AEZM313.**

**Enclosed, please find Mr. N. Sugimoto's letter TH-87-102-E2, that is attached to this letter. Your prompt attention to the aforementioned would be greatly appreciated.**

**If you have any questions or comments, please contact me at (630) 875-3512.**

**Very truly yours,  
SANYO Sales & Supply Company  
A Division of SANYO North America Corp.**

**James M. Roach  
Technical Consultant  
Home Appliances**

**JMR/dh**

**C: Mr. M. Sugimoto, MWO Div., Sanyo Japan  
Mr. T. Hotta, MWO Div., Sanyo Japan**

**Enclosure & Application check**

## REPORT OF MEASUREMENTS (MICROWAVE OVEN TEST DATA)

FCC ID : AEZM313 MODEL : 565.69380890 DATE : June 03, 1998NOMINAL FREQUENCY : 2,450 M Hz. TESTED BY : H. HAYASHI*H. Hayashi*

DESCRIPTION : (Unit Dimension : cm)

Cabinet Dimension : 55.0 by 44.7 by 31.7 Door Dimension : 43.9 by 27.9Oven Cavity Dimension : 37.6 by 40.4 by 24.2 Door Viewing area : 33.0 by 16.8Feed Type and Location : Waveguide, located right side Stirrer : Rotating tray

(incl. Rotating tray)

Door seal Type : Choke Seal Magnetron Type : Sanyo, 2M-247HOthers : N/A

## TEST EQUIPMENT USED :

## 1. Antenna (Horn Antenna)

|                 | <u>Frequency Range</u> | <u>Correction Factor</u> |
|-----------------|------------------------|--------------------------|
| AILTECH 91888-2 | 1.0 - 2.0 G Hz         | 21.5 - 22 dB             |
| AILTECH 91889-2 | 2.0 - 3.6 G Hz         | 20.5 - 21 dB             |
| AILTECH 94613-1 | 3.6 - 7.6 G Hz         | 37 dB                    |
| AILTECH 91891-2 | 7.3 - 10.0 G Hz        | 39.8 dB                  |

Other Correction Factor

(a) Cable loss

| <u>Frequency (M Hz)</u> | <u>Cable loss (dB)</u> |
|-------------------------|------------------------|
| 2,400                   | 1.1                    |
| 2,500                   | 1.1                    |
| 4,900                   | 1.6                    |
| 7,350                   | 2.2                    |
| 9,800                   | 2.7                    |

(b) Loss of Band Rejection Filter

| <u>Frequency Range (G Hz)</u> | <u>Filter loss (dB)</u> |
|-------------------------------|-------------------------|
| 2.0 - 3.6                     | 3.0                     |

## 2. Field Strength Meter

AILTECH NM-67 (SER 0241-03088)

Last calibrated date : July 7, 1997Setting : Bandwidth -----1 MHzFunction -----Field Intensity (average value detector)

3. When measuring sidebands close to the fundamental, band reject filter Model 6N45-2450/60 (SER FK837-1) was employed.

## REPORT OF MEASUREMENT (MICROWAVE OVEN TEST DATA SHEET B)

FCC ID : AEZM313 MODEL : 565.69380890 DATE : June 03, 1998  
 Nominal Frequency : 2,450 MHz TESTED BY : H.HAYASHI  
DATA SUMMERRY (FCC MEASUREMENT PROCEDURE MP-5)  
24. Hayashi

SAFETY CHECK (at 5 cm) Load : 275 ml/center CALCULATION :  $E(300m) = K \cdot 10^{((A+B+C+D+E)/20)}$   
 FUNDAMENTAL Load : 1,000 ml/center 0.02 mW/sq.cm  
2,450 MHz

LIMIT =  $25 \cdot \sqrt{\text{power}/500}$  : 37.1  $\mu\text{V/m}$

\* Note : Location of load for the oven provided with the rotating tray is :  
 Contiguous with the shelf circumference.

RADIATION FIELD STRENGTH ( $\mu\text{V/m}$  at 300 m)

|                                   | Load<br>(ml) | Location of Load     | Emission<br>Frequency<br>(MHz) | Meter<br>Reading<br>( $\mu\text{BuV}$ ) | Antenna<br>Factor<br>(dB) | Cable<br>Loss<br>(dB) | Filter<br>Loss<br>(dB) | Calcu.<br>Factor<br>(dB) | The Value of K<br>( $E(300m) = K \cdot E(3m)$ ) | Max. Field<br>Strength<br>( $\mu\text{V/m}$ at 300m) | Limit<br>( $\mu\text{V/m}$ at 300m) |
|-----------------------------------|--------------|----------------------|--------------------------------|-----------------------------------------|---------------------------|-----------------------|------------------------|--------------------------|-------------------------------------------------|------------------------------------------------------|-------------------------------------|
| 2nd Harmonic                      | 300          | Center               | 4,920                          | 16.0                                    | 37.0                      | 1.6                   |                        | 5                        | 0.0100                                          | 9.5                                                  | 37.1                                |
| 2nd Harmonic                      | 300          | * Right/Front Corner | 4,920                          | 14.0                                    | 37.0                      | 1.6                   |                        | 5                        | 0.0100                                          | 7.6                                                  | 37.1                                |
| 2nd Harmonic                      | 700          | Center               | 4,925                          | 22.0                                    | 37.0                      | 1.6                   |                        | 5                        | 0.0100                                          | 19.1                                                 | 37.1                                |
| 2nd Harmonic                      | 700          | * Right/Front Corner | 4,919                          | 17.0                                    | 37.0                      | 1.6                   |                        | 5                        | 0.0100                                          | 10.7                                                 | 37.1                                |
| 3rd Harmonic                      | 300          | Center               | 7,431                          | 22.0                                    | 39.8                      | 2.2                   |                        | 5                        | 0.0100                                          | 28.2                                                 | 37.1                                |
| 3rd Harmonic                      | 300          | * Right/Front Corner | 7,416                          | 21.0                                    | 39.8                      | 2.2                   |                        | 5                        | 0.0100                                          | 25.1                                                 | 37.1                                |
| 3rd Harmonic                      | 700          | Center               | 7,428                          | 22.0                                    | 39.8                      | 2.2                   |                        | 5                        | 0.0100                                          | 28.2                                                 | 37.1                                |
| 3rd Harmonic                      | 700          | * Right/Front Corner | 7,370                          | 23.0                                    | 39.8                      | 2.2                   |                        | 5                        | 0.0100                                          | 31.6                                                 | 37.1                                |
| 4th Harmonic                      | 700          | Center               | 9,873                          | 20.0                                    | 39.8                      | 2.7                   |                        | 5                        | 0.0100                                          | 23.7                                                 | 37.1                                |
| Spurious                          | 700          | Center               | 2,320                          | 27.0                                    | 20.8                      | 1.1                   | 3                      | 5                        | 0.0059                                          | 4.1                                                  | 37.1                                |
| Emission<br>Sideband 2,400<br>MHz | 700          | Center               | 2,400                          | 25.0                                    | 20.8                      | 1.1                   | 3                      | 5                        | 0.0061                                          | 3.4                                                  | 37.1                                |
| Emission<br>Sideband 2,500<br>MHz | 700          | Center               | 2,500                          | 16.0                                    | 20.8                      | 1.1                   | 3                      | 5                        | 0.0064                                          | 1.3                                                  | 37.1                                |

Maximum Frequency Variation 1,000 ml load  
 Total Power Input to Oven 2,457 to 2,458 MHz  
 Power Development in dummy load (Thermal Method) 1,650 Watts  
1,100 Watts (IEC705 Test Procedure)  
 Supply Voltage AC 120 V 60 Hz  
1830 MHz - 2745 MHz  
2745 MHz - 3660 MHz  
3660 MHz - 4575 MHz  
4575 MHz and above  
 $2.6230 \cdot 10^{(-3)} \cdot \text{frequency : GHz}$  -0.0002  
 $2.1858 \cdot 10^{(-3)} \cdot \text{frequency : GHz}$  +0.0010  
 $1.0929 \cdot 10^{(-3)} \cdot \text{frequency : GHz}$  +0.0050  
 0.0100

FCC ID : AEZM313

MODEL : 565.69380890

DATE : June 03, 1998

TESTED BY : H. HAYASHI

*H. Hayashi*

Note : In order to convert the measured field strength at 3 meters to the field at 300 meters, comply with FCC/OST MP-5 Appendix C "4.6.1 Computations to determine compliance". A calculation factor of 5 dB, this figure is fixed by SANYO, is introduced for adjusting a tolerance in measurement.  
A calculation factor of 5 dB should be added to "METER READING" as shown in SAMPLE CALCULATION below.

#### SAMPLE CALUCULATION

(1) 2<sup>nd</sup> Harmonic with 300 m/Center load

$$\begin{aligned}\text{Field Strength at 300 m} &= 0.0100 \times 10^{(16.0 + 37 + 1.6 + 5) - 20} \\ &= 9.5 \text{ uV/m}\end{aligned}$$

(2) Emission sideband 2,400 M Hz., 700 m/Center load

$$\begin{aligned}\text{Field Strength at 300 m} &= 0.0061 \times 10^{(25.0 + 20.8 + 1.1 + 3 + 5) - 20} \\ &= 3.4 \text{ uV/m}\end{aligned}$$

Designated by Ministry of International Trade and Industry

Attachment #1C

**KANSAI ELECTRONIC INDUSTRY DEVELOPMENT CENTER**

HEAD OFFICE  
6-8-7, NISHITEMMA  
KITA-KU, OSAKA, 530 JAPAN



IKOMA  
TESTING LABORATORY  
10630, TAKAYAMA-CHO  
IKOMA-CITY, NARA, 630-01 JAPAN

*Corporate Juridical Person***ENGINEERING TEST REPORT****REPORT NO. A-015-98-C****Issued Date : May 21, 1998**

This test report is to certify that the tested device properly complies with the requirements of:

FCC Rules and Regulations Part 18 Subpart C.

Partly the tests necessary to show compliance to the requirements were performed and these results met the specifications of requirement. The results of this report should not be construed to imply compliance of equipment other than that which was tested. Unless the laboratory permission, this report should not be copied in part.

**1. Applicant**

Company Name : SANYO Electric Co., Ltd. Home Appliances Business Headquarters  
Microwave Oven Division

Mailing Address : 1-1, Seta, 1-chome, Otsu City, Shiga, 520-2198 Japan

**2. Identification of Tested Device**

FCC ID : AEZM313  
Device Name : Microwave Oven  
Trade Name : SANYO  
Model Number : 565.69380890  
Serial Number : No.2  
Date of Manufacture : May, 1998

**3. Test Items and Procedure**

1) Radiated Emission Measurement (30 MHz to 1000 MHz)

Above all tests were performed under : FCC/OET MP-5 (1985)

**4. Date of Test**

Receipt of Test Sample : May 13, 1998  
Test Completed on : May 13, 1998

**CERTIFIED BY :**

A handwritten signature in black ink, appearing to read "F. Nagaoka", is written over a horizontal line.

**Fumitoshi Nagaoka****Associate Director of Ikoma Testing Laboratory**

**ENGINEERING TEST REPORT**

Attachment #1C

TABLE OF CONTENTS**1. GENERAL INFORMATION**

|                                                   |   |
|---------------------------------------------------|---|
| 1.1 Product Description .....                     | 3 |
| 1.2 Description for Equipment Authorization ..... | 3 |
| 1.3 Test Facility .....                           | 3 |

**2. TESTED SYSTEM**

|                                       |   |
|---------------------------------------|---|
| 2.1 Test Mode .....                   | 4 |
| 2.2 Operation of EUT System .....     | 4 |
| 2.3 Block Diagram of EUT System ..... | 4 |

**3. MEASUREMENT OF ELECTRIC FIELD STRENGTH (30 MHz TO 1000 MHz)**

|                                                   |   |
|---------------------------------------------------|---|
| 3.1 Reference Rule and Specification .....        | 5 |
| 3.2 Test Procedure .....                          | 5 |
| 3.3 Test Arrangement .....                        | 6 |
| 3.4 Photographs of EUT System Configuration ..... | 7 |
| 3.5 Test Results .....                            | 8 |
| 3.6 List of Test Instruments .....                | 9 |

**ENGINEERING TEST REPORT**

Attachment #1C

**1. GENERAL INFORMATION****1.1 Product Description**

The model number 565.69380890(referred to as the EUT in this engineering test report) is a Microwave Oven for house hold.

**1) Special Feature**

- Magnetron Frequency : 2.45 GHz $\pm$ 50 MHz
- RF(Microwave) Power : 1100 W(Microwave)

**2) Rated Power Supply**

- AC 120 V,60 Hz,1650 W
- Protection Class 1(with ground connector)

**3) Contained Oscillator**

- 4  $\pm$  0.4 MHz

**1.2 Description for Equipment Authorization****1) Rules Part(s) under which equipment operated**

FCC Rule Part 18, Subpart C  
ISM Equipment

**2) Kind of Equipment Authorization**

(x) Certification                      ( ) Verification

**3) Procedure of Application**

(x) Original Equipment      ( ) Modification

**1.3 Test Facility**

N a m e : KANSAI ELECTRONIC INDUSTRY DEVELOPMENT CENTER(KEC)  
IKOMA TESTING LABORATORY  
Open Test Site No.2

Address : 10630, Takayama-cho Ikoma-city, Nara, 630-0101 Japan

These test facilities have been filed with the FCC under the criteria of  
ANSI C63.4-1992

**ENGINEERING TEST REPORT**

Attachment #1C

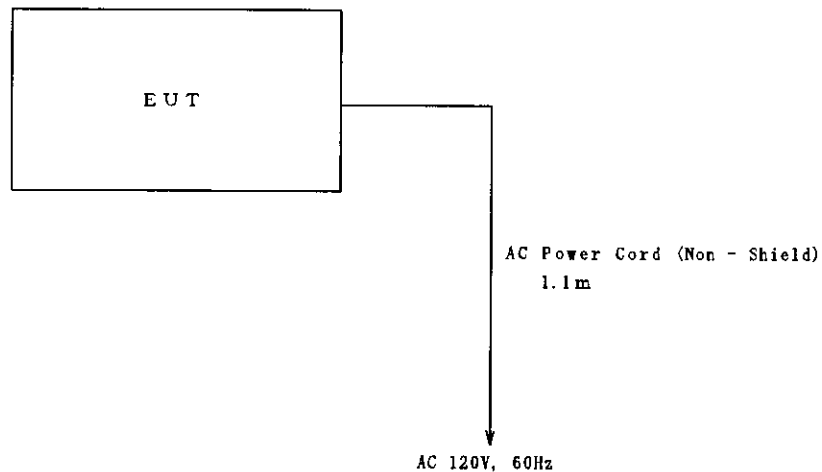
**2. TESTED SYSTEM****2.1 Test Mode**

The compliance tests were performed under following operation mode.

Maximum Output Power Operation

**2.2 Operation of EUT System**

- 1) Open the door of EUT.
- 2) Set the load as follows in EUT.
  - Receptacle  
1000 cc volume Beaker
  - Load for the other test  
700 cc water with beaker
- 3) Close the door of EUT.
- 4) Set the output power to maximum.
- 5) Set the cooking time.
- 6) Push the start pad.  
Then start the cooking.

**2.3 Block Diagram of EUT System**

**ENGINEERING TEST REPORT**

Attachment #1C

**3. MEASUREMENT OF ELECTRIC FIELD STRENGTH (30 MHz TO 1000 MHz)****3.1 Reference Rule and Specification**

FCC Rule Part 18 Subpart C  
FCC/OET MP-5(1985)

**3.2 Test Procedure**

## 1) Configure the EUT.

[ See 3.3 Test arrangement and 3.4 Photographs of EUT System Configuration]

## [Note]

The power cords for the EUT are connected through the receptacle with the turn floor to the CVCF placed under the ground plane.

## 2) Operate the EUT.

## 3) To determine the emissions of the EUT, preliminary radiated measurement was performed at a closer distance than that specified for final radiated measurement using the broad band antenna and the spectrum analyzer.

## 4) To search the frequency of maximum emission level on the spectrum analyzer, change the EUT System configuration, move the signal cables and the power cords, change the EUT conditions.

## 5) The spectrum was scanned from 30 MHz to 1000 MHz and collect the emissions on the spectrum analyzer.

## 6) The collected emissions for final test were measured at the specified distance using the tuned dipole antenna or broad band antenna and the test receiver \*1).

## [Note]

## \*1) Test Receiver Operation Mode

Detector Function : Average

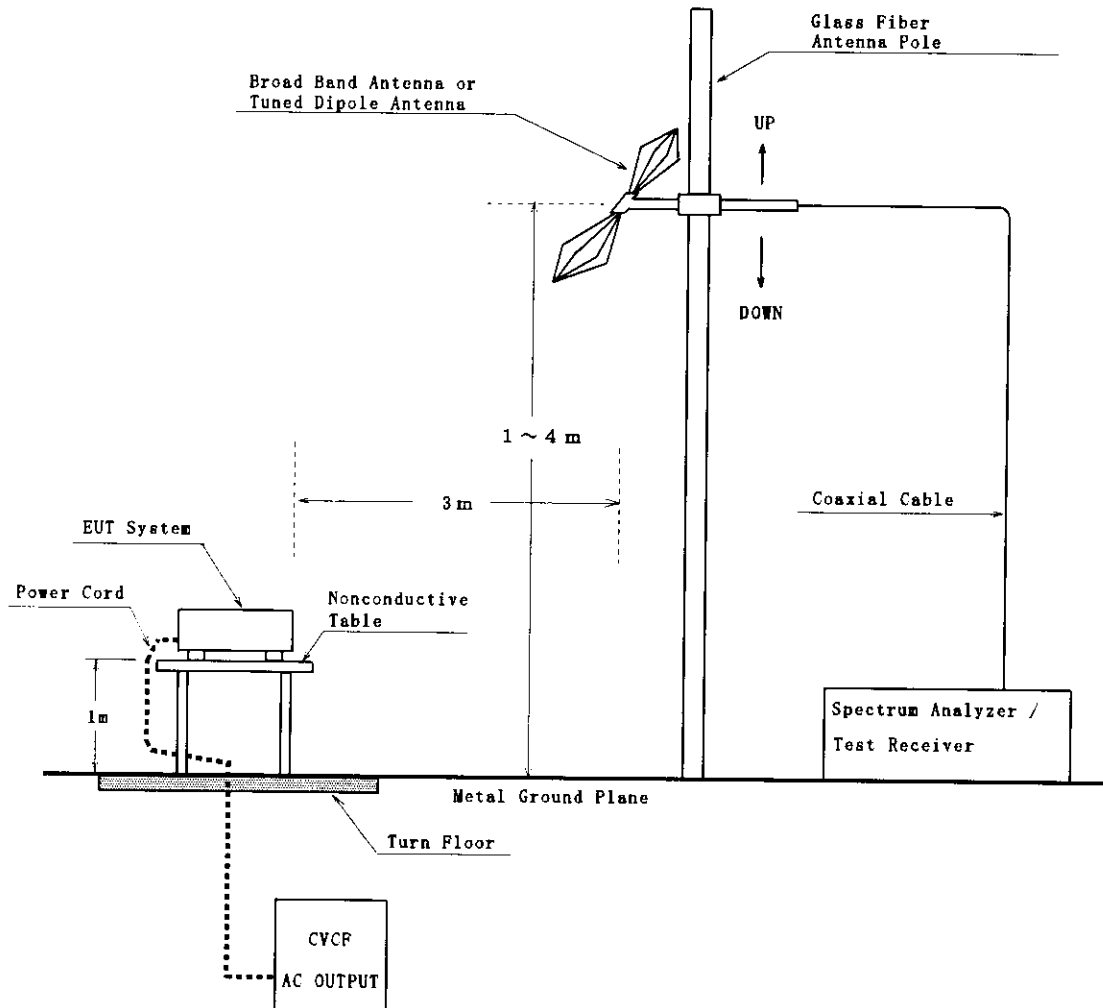
IF Band Width : 120 kHz(frequency range in 30 MHz - 1000 MHz)

**ENGINEERING TEST REPORT**

Attachment #1C

**3.3 Test Arrangement**

[ Open Site ]



**ENGINEERING TEST REPORT**

## 3.5 Test Results

| Emission<br>Frequency<br>[MHz] | Antenna<br>Factor<br>[dB] | Meter Reading<br>at 3 m<br>[dB $\mu$ V] |       | Maximum<br>Field<br>Strength<br>at 300 m<br>[ $\mu$ V/m] | Limits<br>[ $\mu$ V/m] |
|--------------------------------|---------------------------|-----------------------------------------|-------|----------------------------------------------------------|------------------------|
|                                |                           | Horiz.                                  | Vert. |                                                          |                        |
| 39.5                           | 16.5                      | <-5.0                                   | <-5.0 | <0.1                                                     | 37.1                   |
| 58.4                           | 10.9                      | 0.5                                     | 2.0   | <0.1                                                     | 37.1                   |
| 68.5                           | 9.5                       | -3.5                                    | -4.5  | <0.1                                                     | 37.1                   |
| 105.1                          | 13.1                      | <-5.0                                   | <-5.0 | <0.1                                                     | 37.1                   |
| 334.4                          | 18.3                      | <-5.0                                   | <-5.0 | <0.1                                                     | 37.1                   |
| 718.0                          | 26.7                      | -2.0                                    | <-5.0 | 0.2                                                      | 37.1                   |
| 892.5                          | 29.0                      | -1.0                                    | 2.0   | 0.4                                                      | 37.1                   |

## [ Note ]

Distance Corr. Factor : -40 dB(from 3 m to 300 m)  
 Antenna Factor : Antenna Factor and Cable Loss includes the cable loss  
 Test Condition : 700 ml water load, at the center of tray.  
 Limits :  $25\sqrt{P/500} = 25\sqrt{1100/500} = 37.1[\mu\text{V/m}]$   
 P[W] : RF(Microwave) Power

## [ Environment ]

Temperature : 20 °C Humidity : 53 %

## [ Sample Calculation ]

Frequency 58.4 MHz, Vertical Polarization  
 Field Strength ( $\mu\text{V/m}$  at 300 m)  
 $= 10^{(\text{Meter Reading [dB}\mu\text{V}] + \text{Antenna Factor [dB]} + \text{Distance Corr.Factor [dB]})/20}$   
 $= 10^{(2.0 + 10.9 - 40)/20}$   
 $= 10^{(-27.1/20)}$   
 $= < 0.1 [\mu\text{V/m}]$

## [ Summary of Test Result ]

Minimum margin was 39.3 dB at 892.5 MHz (Vertical Polarization).

Tested Date : May 13, 1998

Signature

*Y. Kawai*  
Yasunari Kawai

# ENGINEERING TEST REPORT

Attachment #1C

## 3.6 List of Test Instruments

| Instrument           | Manufacturer    | Model No   | Specifications                       | KEC Control No. | if used, checked by "X".            | Last Cal. | Next Cal. |
|----------------------|-----------------|------------|--------------------------------------|-----------------|-------------------------------------|-----------|-----------|
| Test Receiver        | Rohde & Schwarz | ESVP       | Frequency Range<br>20 MHz - 1000 MHz | FS-48-3         | <input type="checkbox"/>            | 1998/5    | 1999/5    |
|                      |                 | ESV        | Frequency Range<br>20 MHz - 1000 MHz | FS-53           | <input checked="" type="checkbox"/> | 1998/4    | 1999/4    |
| Spectrum Analyzer    | Advantest       | TR4172     | Frequency Range<br>50 Hz - 1.8 GHz   | FS-44-2         | <input checked="" type="checkbox"/> | 1997/9    | 1998/9    |
| Pre-Selector         | Advantest       | TR14037    | Frequency Range<br>10 kHz - 1.0 GHz  | FS-44-3         | <input checked="" type="checkbox"/> | 1997/9    | 1998/9    |
| Biconical Antenna    | Schwarzbeck     | BBA9106    | Frequency Range<br>30 MHz - 300 MHz  | AN-80           | <input checked="" type="checkbox"/> | 1998/2    | 1999/2    |
| Log-Periodic Antenna | Schwarzbeck     | UHALP 9107 | Frequency Range<br>300 MHz - 1 GHz   | AN-97           | <input checked="" type="checkbox"/> | 1998/2    | 1999/2    |
| Tuned Dipole Antenna | Kyoritsu        | KBA-511S   | Frequency Range<br>25 MHz - 500 MHz  | AN-112          | <input type="checkbox"/>            | 1998/3    | 1999/3    |
|                      |                 | KBA-611S   | Frequency Range<br>500 MHz - 1 GHz   | AN-7-11         | <input type="checkbox"/>            | 1998/3    | 1999/3    |

## REPORT OF MEASUREMENT (MICROWAVE OVEN TEST DATA)

- Measurement of Frequency VS Line Voltage Stability -

FCC ID : AEZM313      Model : 565.69380890      Date : June 03, 1998

Nominal Frequency : 2,450 MHz

Tested by : R.ISSIKI

*R. Issiki*

| Line Voltage Variation<br>[Volt] | Frequency<br>[GHz] | Deviation for<br>ISM Frequency<br>[MHz] | Limit<br>[MHz] |
|----------------------------------|--------------------|-----------------------------------------|----------------|
| 96 (- 20%)                       | 2.456              | 6                                       | ± 50           |
| 120 (± 0%)                       | 2.457              | 7                                       | ± 50           |
| 150 (+ 25%)                      | 2.456              | 6                                       | ± 50           |

## [ Environment ]

Temperature : 24.3 °C

Humidity : 65.0 %

## [ Sample Calculation ]

Frequency : 2.457 GHz

Deviation for ISM Frequencies Calculated as follows,

$$\underline{2.457} - 2.4500 = \underline{0.0070} \text{ [GHz]} = \underline{7} \text{ [MHz]}$$

## [ Summary of Test Results ]

Above data shows that the test device (do)/ do not complies with the requirements.