Attachment #1

REPORT OF MEASUREMENTS (MICROWAVE OVEN TEST DATA)

FCC ID : AEZM110 MODEL : EM-F1010MW DATE : March 22,2001

NOMINAL FREQUENCY : 2,450 M Hz. TESTED BY : H.HAYASHI

H. Hayashi

DESCRIPTION : (Unit Dimension : cm)

Cabinet Dimension : 46.1 by 35.1 by 25.0 Door Dimension : 35.3 by 22.5

Oven Cavity Dimension : 29.7 by 31.1 by 18.2 Door Viewing area : 24.7 by 13.4

Feed Type and Location : Waveguide, located right side Stirrer : Rotating tray (incl. Rotating tray)

Door seal Type : Choke Seal Magnetron Type : Toshiba, 2M232J

Others : N/A

TEST EQUIPMENT USED :

1. Antenna (Horn Antenna)

	Frequency Range	Correction Factor
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

Frequency (M Hz)	Cable loss (dB)
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

Frequency Range (G Hz)	Filter loss (dB)
2.0 - 3.6	3.0

2. Field Strength Meter

AILTECH NM-67 (SER 0241-03088)

Last calibrated date : December 04, 2000

Setting : Bandwidth ------- 1 MHz

Function ---------- Field Intensity (average value detector)

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

ATTACHMENT #1A

REPORT OF MEASUREMENT (MICROWAVE OVEN TEST DATA SHEET B)

FCC ID : AEZM110 MODEL : EM-F1010MW DATE : March 22,2001
Nominal Frequency : 2,450 MHz TESTED BY : H.HAYASHI

H. Hayashi

DATA SUMMERRY (FCC MEASUREMENT PROCEDURE MP-5)

CALCULATION : E<300m> = K*10^((A+B+C+D+E)/20)

SAFETY CHECK (at 5 cm) Load : 275 ml/center 0.05 mW/sq.cm
FUNDAMENTAL Load : 1,000 ml/center 2,450 MHz.

LIMIT = 25*√(power/500) : 27.4 uV/m

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

RADIATION FIELD STRENGTH (uV/m at 300 m)

	Load (ml)	Location of Load	Emission Frequency (MHz)	Meter Reading (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Filter Loss (dB)	Calcu. Factor (dB)	The Value of K (E<300m>=K*E<3m>)	Max. Field Strength (uV/m at 300m)	Limit (uV/m at 300m)
2nd Harmonic	300	Center	4,890	10.0	37.0	1.6	—	5	0.0100	4.8	27.4
2nd Harmonic	300	* Right/Front Corner	4,871	10.0	37.0	1.6	—	5	0.0100	4.8	27.4
2nd Harmonic	700	Center	4,909	9.0	37.0	1.6	—	5	0.0100	4.3	27.4
2nd Harmonic	700	* Right/Front Corner	4,883	10.0	37.0	1.6	—	5	0.0100	4.8	27.4
3rd Harmonic	300	Center	7,972	13.0	39.8	2.2	—	5	0.0100	10.0	27.4
3rd Harmonic	300	* Right/Front Corner	7,314	21.0	39.8	2.2	—	5	0.0100	25.1	27.4
3rd Harmonic	700	Center	7,347	14.0	39.8	2.2	—	5	0.0100	11.2	27.4
3rd Harmonic	700	* Right/Front Corner	7,305	21.0	39.8	2.2	—	5	0.0100	25.1	27.4
4th Harmonic	700	Center	9,812	16.0	39.8	2.7	—	5	0.0100	15.0	27.4
Spurious	700	Center	2,390	26.0	20.8	1.1	3	5	0.0061	3.8	27.4
Emission Sideband 2,400 MHz	700	Center	2,400	26.0	20.8	1.1	3	5	0.0061	3.8	27.4
Emission Sideband 2,500 MHz	700	Center	2,500	14.5	20.8	1.1	3	5	0.0064	1.1	27.4

Maximum Frequency Variation 1,000 ml load 2,438 to 2,446 M Hz.
Total Power Input to Oven 920 Watts
Power Development in dummy load (Thermal Method) 600 Watts (IEC705Test Procedure)
Supply Voltage AC 120 V 60 Hz

1830 MHz – 2745 MHz	2.6230 * 10^(-3) * frequency : GHz) −0.0002
2745 MHz – 3660 MHz	2.1858 * 10^(-3) * frequency : GHz) +0.0010
3660 MHz – 4575 MHz	1.0929 * 10^(-3) * frequency : GHz) +0.0050
4575 MHz and above	0.0100

Attachment #1B

FCC ID : AEZM110 MODEL : EM-F1010MW DATE : March 22,2001

TESTED BY : H.HAYASHI

Note : In order to convert the measured field strength at 3meters to the field at 300 meters, comply with FCC/OST MP-5 Appendix C "4.6.1 Computations to determine compliance". A culculation factor of 5 dB. this figure is fixed by SANYO. is introduced bfor 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) 2nd Harmonic with 300 ml/Center load

Field Strength at 300 m = 0.0100 × $10^{(10.0 + 37 + 1.5 + 5) / 20}$
= 4.8 uV/m

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

Field Strength at 300 m = 0.0061× $10^{(26.0 + 20.8 + 1.1 + 3 + 5) / 20}$
= 3.8 uV/m

Attachment #1C

REPORT OF MEASUREMENT (MICROWAVE OVEN TEST DATA)

- Measurement of Frequency VS Line Voltage Stability -

FCC ID : AEZM110 Model : EM-F1010MW Date : March 22, 2001

Nominal Frequency : 2,450 MHz Tested by : H.HAYASHI

H. Hayashi

Line Voltage Variation [Volt]	Frequency [GHz]	Deviation for ISM Frequency [MHz]	Limit [MHz]
96 (- 20%)	2.436	-14	**± 50**
120 (± 0%)	2.438	-12	**± 50**
150 (+ 25%)	2.444	-6	**± 50**

[Environment]

Temperature : 23.5 °C

Humidity : 59.0 %

[Sample Calculation]

Frequency : 2.436 GHz

Deviation for ISM Frequencies Calculated as follows,

2.436 - 2.450 = -0.014 [GHz] = -14 [MHz]

[Summary of Test Results]

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