

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 : AEZM413 MODEL : EM-J8200T DATE : Nov. 19, 2001
 Nominal Frequency : 2,450 MHz TESTED BY : T.SUGIOKA

DATA SUMMARY (FCC MEASUREMENT PROCEDURE MP-5)

SAFETY CHECK (at 5 cm)
 FUNDAMENTAL

Load : 275 ml/center
 Load : 1,000 ml/center

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

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

CALCULATION : $E<300\text{m}> = K \times 10^{((A+B+C+D+E)/20)}$

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

	Load	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 ($E<300\text{m}>=K \times E<3\text{m}>$)	Max. Field Strength ($\mu\text{V}/\text{m}$ at 300m)	Limit ($\mu\text{V}/\text{m}$ at 300m)
2nd Harmonic	300	Center	4,232	10.0	37.0	1.6	—	5	0.0096	4.6	37.1
2nd Harmonic	300	* Right/Front Corner	4,231	11.0	37.0	1.6	—	5	0.0096	5.2	37.1
2nd Harmonic	700	Center	4,924	13.0	37.0	1.6	—	5	0.0100	6.8	37.1
2nd Harmonic	700	* Right/Front Corner	4,924	13.0	37.0	1.6	—	5	0.0100	6.8	37.1
3rd Harmonic	300	Center	6,793	10.0	39.8	2.2	—	5	0.0100	7.1	37.1
3rd Harmonic	300	* Right/Front Corner	6,803	10.0	39.8	2.2	—	5	0.0100	7.1	37.1
3rd Harmonic	700	Center	7,287	14.0	39.8	2.2	—	5	0.0100	11.2	37.1
3rd Harmonic	700	* Right/Front Corner	7,263	12.0	39.8	2.2	—	5	0.0100	8.9	37.1
4th Harmonic	700	Center	8,932	23.0	39.8	2.7	—	5	0.0100	33.5	37.1
Spurious	700	Center	2,398	34.0	20.8	1.1	3	5	0.0061	9.5	37.1
Emission Sideband 2,400 MHz	700	Center	2,400	33.0	20.8	1.1	3	5	0.0061	8.5	37.1
Emission Sideband 2,500 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 2,461 to 2,465 M Hz.
 Power Development in dummy load (Thermal Method) 1,480 Watts
 Supply Voltage 1,100 Watts (IEC705Test Procedure) 4575 MHz and above
 AC 120 V 60 Hz

FCC ID : AEZM413

MODEL : EM-J8200T

DATE : Nov. 17, 2001

TESTED BY : T.SUGIOKA
T. Sugioka

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 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) 4th Harmonic with 700 ml/Center load

$$\begin{aligned}\text{Field Strength at 300 m} &= 0.0100 \times 10^{(23.0 + 39.8 + 2.7 + 5) \div 20} \\ &= 33.5 \text{ uV/m}\end{aligned}$$

(2) Emission sideband 2.400 M Hz.. 700 ml/Center load

$$\begin{aligned}\text{Field Strength at 300 m} &= 0.0061 \times 10^{(33.0 + 20.8 + 1.1 + 3 + 5) \div 20} \\ &= 8.5 \text{ uV/m}\end{aligned}$$

REPORT OF MEASUREMENT (MICROWAVE OVEN TEST DATA)

- Measurement of Frequency VS Line Voltage Stability -

FCC ID : AEZM413 Model : EM-J8200T Date : Nov. 17, 2001Nominal Frequency : 2.450 MHzTested by : T.SUGIOKA
T. Sugiooka

Line Voltage Variation [Volt]	Frequency [GHz]	Deviation for ISM Frequency [MHz]	Limit [MHz]
96 (- 20%)	2.467	+17	± 50
120 (± 0%)	2.465	+15	± 50
150 (+ 25%)	2.468	+18	± 50

[Environment]

Temperature : 26.0 °CHumidity : 54.0 %

[Sample Calculation]

Frequency : 2.468 GHz

Deviation for ISM Frequencies Calculated as follows.

$$\underline{2.4680} - 2.4500 = \underline{+0.0180} \text{ [GHz]} = \underline{+18.0} \text{ [MHz]}$$

[Summary of Test Results]

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