

Others: N/A

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 : AEZM414 MODEL : EM-P842T DATE : Nov. 15, 2001
 Nominal Frequency : 2,450 MHz TESTED BY : T.SUGIOKA

DATA SUMMARY (FCC MEASUREMENT PROCEDURE MP-5)

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

SAFETY CHECK (at 5 cm)
 FUNDAMENTAL Load : 275 ml/center
 Load : 1,000 ml/center

0.07 mW/sq.cm
 2,450 MHz

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

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

RADIATION FIELD STRENGTH ($\mu V/m$ 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 ($E<300m>=K \cdot E<3m>$)	Max. Field Strength ($\mu V/m$ at 300m)	Limit ($\mu V/m$ at 300m)
2nd Harmonic	300	Center	4,921	16.0	37.0	1.6	—	5	0.0100	9.5	37.1
2nd Harmonic	300	* Right/Front Corner	4,903	12.0	37.0	1.6	—	5	0.0100	6.0	37.1
2nd Harmonic	700	Center	4,917	13.0	37.0	1.6	—	5	0.0100	6.8	37.1
2nd Harmonic	700	* Right/Front Corner	4,917	12.0	37.0	1.6	—	5	0.0100	6.0	37.1
3rd Harmonic	300	Center	8,249	14.0	39.8	2.2	—	5	0.0100	11.2	37.1
3rd Harmonic	300	* Right/Front Corner	8,244	14.0	39.8	2.2	—	5	0.0100	11.2	37.1
3rd Harmonic	700	Center	8,246	14.0	39.8	2.2	—	5	0.0100	11.2	37.1
3rd Harmonic	700	* Right/Front Corner	8,242	14.0	39.8	2.2	—	5	0.0100	11.2	37.1
4th Harmonic	700	Center	8,581	15.0	39.8	2.7	—	5	0.0100	13.3	37.1
Spurious	700	Center	2,398	28.0	20.8	1.1	3	5	0.0061	4.8	37.1
Emission Sideband 2,400 MHz	700	Center	2,400	29.0	20.8	1.1	3	5	0.0061	5.4	37.1
Emission Sideband 2,500 MHz	700	Center	2,500	15.0	20.8	1.1	3	5	0.0064	1.1	37.1

Maximum Frequency Variation 1,000 ml load 2,447 to 2,452 M Hz. 1830 MHz - 2745 MHz $2.6230 \cdot 10^{(-3)}$ * frequency : GHz) -0.0002
 Total Power Input to Oven 1,650 Watts 2745 MHz - 3660 MHz $2.1858 \cdot 10^{(-3)}$ * frequency : GHz) +0.0010
 Power Development in dummy load (Thermal Method) 1,100 Watts (IEC705 Test Procedure) 3660 MHz - 4575 MHz $1.0929 \cdot 10^{(-3)}$ * frequency : GHz) +0.0050
 Supply Voltage AC 120 V 60 Hz 4575 MHz and above 0.0100

FCC ID : AEZM414

MODEL : EM-P842T

DATE : Nov. 15, 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

$$\begin{aligned}\text{Field Strength at 300 m} &= 0.0100 \times 10^{(15.0 + 39.8 + 2.7 + 5) \div 20} \\ &= 13.3 \text{ uV/m}\end{aligned}$$

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

$$\begin{aligned}\text{Field Strength at 300 m} &= 0.0061 \times 10^{(29.0 + 20.8 + 1.1 + 3 + 5) \div 20} \\ &= 5.4 \text{ uV/m}\end{aligned}$$

REPORT OF MEASUREMENT (MICROWAVE OVEN TEST DATA)

- Measurement of Frequency VS Line Voltage Stability -

FCC ID : AEZM414 Model : EM-P842T Date : Nov. 15.2001Nominal Frequency : 2.450 MHz Tested by : T.SUGIOKA
T. Sugiooka

Line Voltage Variation [Volt]	Frequency [GHz]	Deviation for ISM Frequency [MHz]	Limit [MHz]
96 (- 20%)	2.444	-6	± 50
120 (± 0%)	2.447	-3	± 50
150 (+ 25%)	2.448	-2	± 50

[Environment]

Temperature : 26.0 °CHumidity : 54.0 %

[Sample Calculation]

Frequency : 2.444 GHz

Deviation for ISM Frequencies Calculated as follows.

$$\underline{2.4440} - 2.4500 = \underline{-0.0060} \text{ [GHz]} = \underline{-6.0} \text{ [MHz]}$$

[Summary of Test Results]

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