

ACLAP3B51

APPLICATION FOR CERTIFICATION

<u>MODEL NO.</u>	<u>FCC ID</u>
NE-C1163V/W	ACLAP3B51
NE-C1173V/W	ACLAP3B51

LIST OF EXHIBITS

- EXHIBIT 1: TECHNICAL REPORT
- EXHIBIT 2: PHOTOGRAPHS OF MAGNETRON AND COMPONENTS
- EXHIBIT 3: SAMPLE AND LOCATION OF FCC ID LABEL
- EXHIBIT 4: SCHEMATIC DIAGRAM
- EXHIBIT 5: REPORT OF MEASUREMENTS
- EXHIBIT 6: LIST OF MEASURING EQUIPMENT AND CALIBRATION
- EXHIBIT 7: OPERATING INSTRUCTIONS
- EXHIBIT 8: INSTALLATION INSTRUCTIONS

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EXHIBIT 1

TECHNICAL REPORT

1. DESCRIPTION OF MEASUREMENT FACILITY:

The description of the measurement facility is on file with the FCC laboratory. Please refer to the commission's reference 31010/EQU 4-3-0A.

2. INSTALLATION INSTRUCTIONS:

See EXHIBIT 7.

3. OPERATING INSTRUCTIONS:

See EXHIBIT 8.

4. APPLICANT:

PANASONIC TECHNOLOGY COMPANY,  
Microwave Technical Laboratory  
1711 N. Randall Road  
Elgin, Illinois 60123-7847

5. MANUFACTURER:

MATSUSHITA ELECTRIC INDUSTRIAL COMPANY,  
Microwave Oven Division  
800 Tsutsui-Cho Yamatokoriyama  
Nara, 639-1188 Japan

6. MEASUREMENT SITE:

Panasonic Magnetron Laboratory  
Panasonic Industrial Company  
1703 N. Randall Road  
Elgin, IL 60123-7847

7. EQUIPMENT IDENTIFICATION:

Model No. :NE-C1163V/W, NE-C1173V/W  
Brand Name : Panasonic  
FCC ID : ACLAP3B51

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EXHIBIT 1A

7. EQUIPMENT SPECIFICATIONS:

Electrical Power Requirement: 208Vac, 60Hz, 15.9A (NE-C1163V, NE-C1173V)  
Electrical Power Requirement: 230Vac, 60Hz, 14.5A (NE-C1163W, NE-C1173W)  
Nominal Operating Frequency: 2450 MHz  
Maximum RF Energy Generated: 1100 W (IEC 705)  
Magnetron Type: 2M167-M1 (2)  
Feed Type and Location: Through the wave guides on the bottom of the oven.  
Stirrer: Stirrer Type`  
Cabinet Dimensions: (W) 600 x (H) 385 x (D) 519 (mm)  
Oven Cavity Dimensions: (W) 406 x (H) 217 x (D) 336 (mm)  
Door Viewing Area Dimensions: (W) 345 x (H) 114 (mm)  
Door Seal Type: Slit Choke seal and capacitive seal method

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EXHIBIT 2

PHOTOGRAPHS OF EQUIPMENT

EXHIBIT 2-A: FRONT VIEW OF MODEL NE-C1173

EXHIBIT 2-B: FRONT VIEW OF MODEL NE-C1173 WITH THE DOOR OPENED

EXHIBIT 2-C1: LEFT SIDE VIEW OF MODEL NE-C1173

EXHIBIT 2-C2: LEFT SIDE VIEW OF MODEL NE-C1173 WITH ENCLOSURE REMOVED

EXHIBIT 2-D1: RIGHT SIDE VIEW OF MODEL NE-C1173

EXHIBIT 2-D2: RIGHT SIDE VIEW OF MODEL NE-C1173 WITH ENCLOSURE REMOVED

EXHIBIT 2-E1: REAR VIEW OF MODEL NE-C1173

EXHIBIT 2-E2: REAR VIEW OF MODEL NE-C1173 WITH ENCLOSURE REMOVED

EXHIBIT 2-F1: TOP VIEW OF MODEL NE-C1173

EXHIBIT 2-F2: TOP VIEW OF MODEL NE-C1173 WITH ENCLOSURE REMOVED

EXHIBIT 2-G: BOTTOM VIEW OF MODEL NE-C1173

EXHIBIT 2-H: VIEW OF MAGNETRON TYPE 2M167-M1

EXHIBIT 2-I: VIEW OF DOOR ASSEMBLY

EXHIBIT 2-J: VIEW OF CONTROL

EXHIBIT 2-K: VIEW OF CONTROL PRINTED CIRCUIT

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EXHIBIT 5A

REPORT OF MEASUREMENTS

1. MODEL NO.: NE-C1173

SERIAL NO. 6C3317003

MAGNETRON TYPE NO.: 2M167-M1

2. MEASUREMENT DATE: 4/2/03

3. LIST OF MEASURING EQUIPMENT AND CALIBRATION DATA:  
REFER TO EXHIBIT 6

4. INVESTIGATED FREQUENCY RANGE: 100Mhz to 4th Harmonic

5. DATA SUMMARY:

Safety Check : <0.5 MW/cm<sup>2</sup>

Radiated Field Strength: ( uV/m @ 300m )	Limit	
Fundamental: <u>2481 MHz</u>	<u>391.19uv/m</u>	N/A
2nd. Harmonic: <u>4937 MHz</u>	<u>0.65uv/m</u>	36.36
3rd. Harmonic: <u>7773 MHz</u>	<u>1.22uv/m</u>	"
4th. Harmonic: <u>10160 MHz</u>	<u>1.35uv/m</u>	"
Spurious: <u>2268 Mhz</u>	<u>1.10uv/m</u>	"
Emission Sideband: <u>2400 MHz</u>	<u>0.37uv/m</u>	"
Emission Sideband: <u>2500 MHz</u>	<u>0.26uv/m</u>	"
Greater than 4th. Harmonic	not measurable	

Maximum Frequency Variation: 2476 to 2481 MHz  
(166V ~ 250V/ 1500 ml water load)

Maximum Frequency Variation: 2477 to 2480 MHz  
(1500 ml - 300ml water load)

Total Power Input to Oven: 2392 watts

Power Developed in Dummy Load: 1058 watts

Supply Voltage: 208 Volts, 60Hz, 11.5A