

APPLICATION FOR CERTIFICATION

<u>MODEL NO.</u>	<u>FCC ID</u>
NN-C980W	ACLAP4X01
NN-C980B	ACLAP4X01

LIST OF EXHIBITS

- Exhibit 1: TECHNICAL REPORT
- Exhibit 2: PHOTOGRAPHS OF MAGNETRON AND COMPONENTS
- Exhibit 3: SAMPLES 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: INSTALLATION INSTRUCTIONS
- Exhibit 8: OPERATING INSTRUCTIONS

TECHNICAL REPORT

1. DESCRIPTION OF MEASUREMENT FACILITY:

The description of the measurement facility is already 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:

MATSUSHITA HOME APPLIANCE COMPANY, Division of
MATSUSHITA ELECTRIC CORPORATION of AMERICA
9333 W. Grand Avenue
Franklin Park, Illinois 60131

5. MANUFACTURER:

MATSUSHITA ELECTRIC INDUSTRIAL Co., LTD.
1006 Kadoma, Osaka, Japan
Factory Location:
MATSUSHITA ELECTRIC INDUSTRIAL Co., LTD.
Microwave Oven Division
800 Tsutsui-cho, Yamatokoriyama, Nara, Japan

6. MEASUREMENT SITE:

PANASONIC MAGNETRON LAB.
PANASONIC INDUSTRIAL COMPANY
1707 N. Randle Road
Elgin, Il 60123-7847

7. EQUIPMENT IDENTIFICATION:

Model No. : NN-C980W, NN-C980B
Brand Name : Panasonic
FCC ID : ACLAP4X01

8. EQUIPMENT SPECIFICATIONS:

Electrical Power Requirement: 120V, 60Hz, 12.8A
Nominal Operating Frequency: 2450 MHz
Maximum RF Energy Generated: 1100 W (IEC 705)
Magnetron Type: 2M236-M1G
Feed Type and Location: Through the wave guide
on the right sidewall of the oven.
Stirrer: Turntable Type
Cabinet Dimensions: (W) 606 x (H) 376 x (D) 491 (mm)
Oven Cavity Dimensions: (W) 412 x (H) 242 x (D) 426 (mm)
Door Viewing Area Dimensions: (W) 320 x (H) 182 (mm)
Door Seal Type: Slit Choke seal and capacitive seal method

9. DESCRIPTION OF DIFFERENCES

Model No.	NN-C980W	NN-C980B				
Input	120Vac,	120Vac,				

Power	12.8A	12.8A				
Output Power	1100W	1100W				
Magnetron	2M236-M1G	2M236-M1G				
Brand	Panasonic	Panasonic				

PHOTOGRAPHS OF EQUIPMENT

Exhibit 2-A: FRONT VIEW OF MODEL NN-C980

Exhibit 2-B: REAR VIEW OF MODEL NN-C980

Exhibit 2-C: FRONT VIEW OF MODEL NN-C980 WITH THE DOOR OPENED

Exhibit 2-D1: TOP VIEW OF MODEL NN-C980 WITH ENCLOSURE REMOVED

Exhibit 2-D2: TOP VIEW OF MODEL NN-C980

Exhibit 2-E1: RIGHT SIDE VIEW OF MODEL NN-C980 WITH ENCLOSURE REMOVED

Exhibit 2-E2: RIGHT SIDE VIEW OF MODEL NN-C980

Exhibit 2-F: BOTTOM VIEW OF MODEL NN-C980

Exhibit 2-G1: LEFT SIDE VIEW OF MODEL NN-C980 WITH ENCLOSURE REMOVED

Exhibit 2-G2: LEFT SIDE VIEW OF MODEL NN-C980

Exhibit 2-H: VIEW OF DOOR CHOKE CONSTRUCTION ILLUSTRATING INTEGRAL CHOKE TYPE.

Exhibit 2-I: VIEW OF MAGNETRON TYPE 2M236-M1G

Exhibit 2-J: VIEW OF INVERTER POWER SUPPLY

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-C980
SERIAL NO. 6X30010001
MAGNETRON TYPE NO.: 2M236-M1G
2. MEASUREMENT DATE: 12/06/99
3. LIST OF MEASURING EQUIPMENT AND CALIBRATION DATA:
REFER TO ATTACHED EXHIBIT 6
4. INVESTIGATED FREQUENCY RANGE: 100Mhz to 4th Harmonic

5. DATA SUMMARY:

Safety Check :	<u><0.5 MW/cm2</u>		
Radiated Field Strength:	(uV/m @ 300m)		Limit(uV/m)
Fundamental:	<u>2473 MHz</u>	<u>353 uv/m</u>	N/A
2nd. Harmonic:	<u>4974 MHz</u>	<u>1.05uv/m</u>	30.30
3rd. Harmonic:	<u>7456 MHz</u>	<u>1.10uv/m</u>	"
4th. Harmonic:	<u>9914 MHz</u>	<u>1.72uv/m</u>	"
Spurious:	<u>2379 Mhz</u>	<u>5.89uv/m</u>	"
Emmission Sideband:	<u>2400 MHz</u>	<u>1.86uv/m</u>	"
Emmission Sideband:	<u>2500 MHz</u>	<u>0.81uv/m</u>	"
Greater than 4th. Harmonic	not measurable		

Maximum Frequency Variation:	<u>2474 to 2476 MHz</u>
(96V ~ 150V/ 1500 ml water load)	
Maximum Frequency Variation:	<u>2468 to 2474 MHz</u>
(1500 ml - 300ml water load)	
Total Power Input to Oven:	<u>2000 watts</u>
Power Developed in Dummy Load:	<u>735 watts</u>
Supply Voltage:	<u>120 Volts, 60 Hz</u>

EXHIBIT 3
DRAWING AND LOCATION OF FCC LABEL

ACLAP4X01