

APPLICATION FOR CERTIFICATION

<u>MODEL NO.</u>	<u>FCC ID</u>
NN-S980BA	ACLAP4U01
NN-S980WA	ACLAP4U01
NN-S980BAS	ACLAP4U01
NN-S980WAS	ACLAP4U01
NN-S960BA	ACLAP4U01
NN-S960WA	ACLAP4U01
NN-S960BAS	ACLAP4U01
NN-S960WAS	ACLAP4U01
NN-S950BA	ACLAP4U01
NN-S950WA	ACLAP4U01
NN-S950BAS	ACLAP4U01
NN-S950WAS	ACLAP4U01
NN-L930BA	ACLAP4U01

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: OPERATING INSTRUCTIONS
- EXHIBIT 8: INSTALLATION 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 HOME APPLIANCE COMPANY, Division of
MATSUSHITA ELECTRIC CORPORATION of AMERICA
1355 Lebanon Road
Danville, Kentucky 404203

6. MEASUREMENT SITE:

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

7. EQUIPMENT IDENTIFICATION:

Model No. : NN-S980BA, NN-S980WA, NN-S980BAS, NN-S980WAS
Brand Name : Panasonic
FCC ID : ACLAP4U01

Model No. : NN-S960BA, NN-S960WA, NN-S960BAS, NN-S960WAS
Brand Name : Panasonic
FCC ID : ACLAP4U01

Model No. : NN-S950BA, NN-S950WA, NN-S950BAS, NN-S950WAS
Brand Name : Panasonic
FCC ID : ACLAP4U01

Model No. : NN-L930BA
Brand Name : Panasonic
FCC ID : ACLAP4U01

7. EQUIPMENT SPECIFICATIONS:

Electrical Power Requirement: 120V, 60Hz, 12.0A

Nominal Operating Frequency: 2450 MHz

Maximum RF Energy Generated: 1300 W (IEC 705)

Magnetron Type: 2M269-M32

Feed Type and Location: Through the wave guide on the right sidewall of the oven.

Stirrer: Turntable Type

Cabinet Dimensions: (W) 606 x (H) 356 x (D) 480 (mm)

Oven Cavity Dimensions: (W) 469 x (H) 278 x (D) 470 (mm)

Door Viewing Area Dimensions: (W) 375 x (H) 195 (mm)

Door Seal Type: Slit Choke seal and capacitive seal method

8. DESCRIPTION OF DIFFERENCES

Model No.	NN-S980 BA/WA/BAS/WAS	NN-S960 BA/WA/BAS/WAS	NN-S950 BA/WA/BAS/WAS	NN-L930 BA
Input Power	120Vac, 12.0A	120Vac, 12.0A	120Vac, 12.0A	120Vac, 12.0A
Output Power	1300W	1300W	1300W	1300W
Magnetron	2M269-M32	2M269-M32	2M269-M32	2M269-M32
Brand	Panasonic	Panasonic	Panasonic	Panasonic

PHOTOGRAPHS OF EQUIPMENT

EXHIBIT 2-A: FRONT VIEW OF MODEL NN-S980BA

EXHIBIT 2-B: REAR VIEW OF MODEL NN-S980BA

EXHIBIT 2-C: FRONT VIEW OF MODEL NN-S980BA WITH THE DOOR OPENED

EXHIBIT 2-D: TOP VIEW OF MODEL NN-S980BA WITH ENCLOSURE REMOVED

EXHIBIT 2-E: RIGHT SIDE VIEW OF MODEL NN-S980BA WITH ENCLOSURE REMOVED

EXHIBIT 2-F: BOTTOM VIEW OF MODEL NN-S980BA

EXHIBIT 2-G: LEFT SIDE VIEW OF MODEL NN-S980BA WITH ENCLOSURE REMOVED

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

EXHIBIT 2-I: VIEW OF MAGNETRON TYPE 2M269-M32

EXHIBIT 2-J: VIEW OF INVERTER POWER SUPPLY

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-S980BA
SERIAL NO. PP-000220
MAGNETRON TYPE NO.: 2M269-M32
2. MEASUREMENT DATE: 10/27/99
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
Fundamental:	<u>2453 MHz</u>	<u>1388uv/m</u>
2nd. Harmonic:	<u>4911 MHz</u>	<u>5.19uv/m</u>
3rd. Harmonic:	<u>7337 MHz</u>	<u>1.55uv/m</u>
4th. Harmonic:	<u>9805 MHz</u>	<u>1.91uv/m</u>
Spurious:	<u>2346 Mhz</u>	<u>2.00uv/m</u>
Emmission Sideband:	<u>2400 MHz</u>	<u>1.86uv/m</u>
Emmission Sideband:	<u>2500 MHz</u>	<u>2.57uv/m</u>
Greater than 4th. Harmonic	not measurable	

Maximum Frequency Variation: 2450 to 2454 MHz
(96V ~ 150V/ 1500 ml water load)
Maximum Frequency Variation: 2447 to 2454 MHz
(1500 ml - 300ml water load)
Total Power Input to Oven: 2050 watts
Power Developed in Dummy Load: 895 watts
Supply Voltage: 120 Volts, 60Hz, 17.7A