

ACLAP6G01

APPLICATION FOR CERTIFICATION

<u>MODEL NO.</u>	<u>FCC ID</u>
NN-P994BF/SF/WF	ACLAP6G01
NN-T994BF/SF/WF	ACLAP6G01
NN-T984BF/SF/WF	ACLAP6G01
NN-T964BF/SF/WF	ACLAP6G01
NN-H964BF/SF/WF	ACLAP6G01
NN-S954BF/SF/WF	ACLAP6G01
NN-H944BF/SF/WF	ACLAP6G01
NN-S944BF/SF/WF	ACLAP6G01
NN-H944BFW/WFW	ACLAP6G01
NN-H934BF/SF/WF	ACLAP6G01
NN-S934BF/SF/WF	ACLAP6G01
NN-H924BF/SF/WF	ACLAP6G01
NN-S924BF/SF/WF	ACLAP6G01
NN-H924BFW/WFW	ACLAP6G01
NN-S924BFW/WFW	ACLAP6G01
NN-H914BF/SF/WF	ACLAP6G01
NN-S914BF/SF/WF	ACLAP6G01
JES2251BJ/CJ/SJ	ACLAP6G01

LIST OF EXHIBITS

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EXHIBIT 6: LIST OF MEASURING EQUIPMENT AND CALIBRATION

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EXHIBIT 8: INSTALLATION INSTRUCTIONS

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EXHIBIT 1-1

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,
MICROWAVE TECHNICAL LAB.,E-Zip E2J-16
1711 N. Randall Road
Elgin, Illinois 60123-7847

5. MANUFACTURER:

SHANGHAI MATSUSHITA MICROWAVE OVEN CO. LTD.
868 Long Dong Road
Pu Dong, Shanghai 201203 CHINA

6. MEASUREMENT SITE:

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

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EXHIBIT 1-2

7. EQUIPMENT IDENTIFICATION:

Model No. : NN-P994BF, NN-P994SF, NN-P994WF
Brand Name : Panasonic
FCC ID : ACLAP6G01

Model No. : NN-T994BF, NN-T994SF, NN-T994WF
Brand Name : Panasonic
FCC ID : ACLAP6G01

Model No. : NN-T984BF, NN-T984SF, NN-T984WF
Brand Name : Panasonic
FCC ID : ACLAP6G01

Model No. : NN-T964BF, NN-T964SF, NN-T964WF
Brand Name : Panasonic
FCC ID : ACLAP6G01

Model No. : NN-H964BF, NN-H964SF, NN-H964WF
Brand Name : Panasonic
FCC ID : ACLAP6G01

Model No. : NN-S954BF, NN-S954SF, NN-S954WF
Brand Name : Panasonic
FCC ID : ACLAP6G01

Model No. : NN-H944BF, NN-H944SF, NN-H944WF
Brand Name : Panasonic
FCC ID : ACLAP6G01

Model No. : NN-S944BF, NN-S944SF, NN-S944WF
Brand Name : Panasonic
FCC ID : ACLAP6G01

Model No. : NN-H944BFW, NN-H944WFW
Brand Name : Panasonic
FCC ID : ACLAP6G01

Model No. : NN-H934BF, NN-H934SF, NN-H934WF
Brand Name : Panasonic
FCC ID : ACLAP6G01

Model No. : NN-S934BF, NN-S934SF, NN-S934WF
Brand Name : Panasonic
FCC ID : ACLAP6G01

Model No. : NN-H924BF, NN-H924SF, NN-H924WF
Brand Name : Panasonic
FCC ID : ACLAP6G01

Model No. : NN-S924BF, NN-S924SF, NN-S924WF
Brand Name : Panasonic
FCC ID : ACLAP6G01

Model No. : NN-H924BFW, NN-H924WFW
Brand Name : Panasonic
FCC ID : ACLAP6G01

Model No. : NN-S924BFW, NN-S924WFW
Brand Name : Panasonic
FCC ID : ACLAP6G01

Model No. : NN-H914BF, NN-H914SF, NN-H914WF
Brand Name : Panasonic
FCC ID : ACLAP6G01

Model No. : NN-S914BF, NN-S914SF, NN-S914WF
Brand Name : Panasonic
FCC ID : ACLAP6G01

Model No. : JES2251BJ, JES2251CJ, JES2251SJ,
Brand Name : G.E.
FCC ID : ACLAP6G01

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EXHIBIT 1A

7. EQUIPMENT SPECIFICATIONS:

Electrical Power Requirement: 120V, 60Hz, 12.7A
 Nominal Operating Frequency: 2450 MHz
 Maximum RF Energy Generated: 1250 W (IEC 705)
 Magnetron Type: 2M261-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) 493 (mm)
 Oven Cavity Dimensions: (W) 469x (H) 278 x (D) 470 (mm)
 Door Viewing Area Dimensions: (W) 369 x (H) 192 (mm)
 Door Seal Type: Slit Choke seal and capacitive seal method

8. DESCRIPTION OF DIFFERENCES

Model No.	NN-P994 BF/SF/WF	NN-T994 BF/SF/WF	NN-T984 BF/SF/WF	NN-T964 BF/SF/WF	NN-H964 BF/SF/WF	NN-S954 BF/SF/WF
Input Power	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A
Output Power	1250W	1250W	1250W	1250W	1250W	1250W
Magnetron	2M261-M32	2M261-M32	2M261-M32	2M261-M32	2M261-M32	2M261-M32
Brand	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic

Model No.	NN-H944 BF/SF/WF	NN-S944 BF/SF/WF	NN-H944 BFW/WFW	NN-H934 BF/SF/WF	NN-S934 BF/SF/WF	NN-H924 BF/SF/WF
Input Power	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A
Output Power	1250W	1250W	1250W	1250W	1250W	1200W
Magnetron	2M261-M32	2M261-M32	2M261-M32	2M261-M32	2M261-M32	2M261-M32
Brand	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic

Model No.	NN-S924 BF/SF/WF	NN-H924 BFW/WFW	NN-S924 BFW/WFW	NN-H914 BF/SF/WF	NN-S914 BF/SF/WF	JES2251 BJ/CJ/SJ
Input Power	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A
Output Power	1200W	1200W	1200W	1200W	1200W	1200W
Magnetron	2M261-M32	2M261-M32	2M261-M32	2M261-M32	2M261-M32	2M261-M32

Brand	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	G.E.
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EXHIBIT 2

PHOTOGRAPHS OF EQUIPMENT

EXHIBIT 2-A: FRONT VIEW OF MODEL NN-S964WF

EXHIBIT 2-B: FRONT VIEW DOOR OPEN, MODEL NN-S964WF

EXHIBIT 2-C1: LEFT SIDE VIEW OF MODEL NN-S964WF

EXHIBIT 2-C2: LEFT SIDE VIEW OF MODEL NN-S964WF WITH ENCLOSURE REMOVED

EXHIBIT 2-D1: RIGHT SIDE VIEW OF MODEL NN-S964WF

EXHIBIT 2-D2: RIGHT SIDE VIEW OF MODEL NN-S964WF WITH ENCLOSURE REMOVED

EXHIBIT 2-E: REAR VIEW OF MODEL NN-S964WF

EXHIBIT 2-F1: TOP VIEW OF MODEL NN-S964WF

EXHIBIT 2-F2: TOP VIEW OF MODEL NN-S964WF, WITH ENCLOSURE REMOVED

EXHIBIT 2-G: BOTTOM VIEW OF MODEL NN-S964WF

EXHIBIT 2-H: VIEW OF MAGNETRON TYPE 2M261-M32

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

EXHIBIT 2-J: VIEW OF CONTROL CIRCUITRY

EXHIBIT 2-K: VIEW OF INVERTER POWER SUPPLY

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EXHIBIT 5A

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-S954WF
SERIAL NO. PP-0003
MAGNETRON TYPE NO.: 2M261-M32

2. MEASUREMENT DATE: 11/07/03

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:	(<u>uV/m @ 300m</u>)		Limit
Fundamental:	<u>2454 MHz</u>	<u>1960.61uv/m</u>	N/A
2nd. Harmonic:	<u>4896 MHz</u>	<u>8.22uv/m</u>	36.23
3rd. Harmonic:	<u>7330 MHz</u>	<u>1.22uv/m</u>	"
4th. Harmonic:	<u>9806 MHz</u>	<u>3.02uv/m</u>	"
Spurious:	<u>2510 Mhz</u>	<u>2.47uv/m</u>	"
Emission Sideband:	<u>2400 MHz</u>	<u>0.59uv/m</u>	"
Emission Sideband:	<u>2500 MHz</u>	<u>1.62uv/m</u>	"

Greater than 4th. Harmonic not measurable

Maximum Frequency Variation: 2456 to 2462 MHz
(96V ~ 150V/ 1500 ml water load)

Maximum Frequency Variation: 2457 to 2461 MHz
(1500 ml - 300ml water load)

Total Power Input to Oven: 2016 watts

Power Developed in Dummy Load: 1050 watts

Supply Voltage: 120 Volts, 60Hz, 16.8A