

APPLICATION FOR CERTIFICATION

MODEL FAMILY ACLAP6H61

<u>MODEL NO.</u>	<u>FCC ID</u>
NN-P794BF/SF/WF	ACLAP6H61
NN-T794BF/SF/WF	ACLAP6H61
NN-T784BF/SF/WF	ACLAP6H61
NN-T774BF/SF/WF	ACLAP6H61
NN-T764BF/SF/WF	ACLAP6H61
NN-T754BF/SF/WF	ACLAP6H61
NN-H764BF/SF/WF	ACLAP6H61
NN-S754BF/SF/WF	ACLAP6H61
NN-H744BF/SF/WF	ACLAP6H61
NN-S744BF/SF/WF	ACLAP6H61
NN-H724BF/SF/WF	ACLAP6H61
NN-S724BF/SF/WF	ACLAP6H61

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ACLAP6H61
EXHIBIT 1-1A

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

**ACLAP6H61
EXHIBIT 1-1B**

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 registration number 98856, Anechoic Chamber #1, NVLAP Lab Code 2004471-0

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:

SAMSUNG ELECTRONICS CO.LTD.
416 Maetan 3 Dong, Young Tong-Ku
Suwon City, Kyungki Do, Korea 443-742

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EXHIBIT 1-2

7. EQUIPMENT IDENTIFICATION:

Model No. : NN-P794BF, NN-P794SF, NN-P794WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-T794BF, NN-T794SF, NN-T794WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-T784BF, NN-T784SF, NN-T784WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-T774BF, NN-T774SF, NN-T774WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-T764BF, NN-T764SF, NN-T764WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-T754BF, NN-T754SF, NN-T754WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-H764BF, NN-H764SF, NN-H764WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-S754BF, NN-S754SF, NN-S754WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-H744BF, NN-H744SF, NN-H744WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-S744BF, NN-S744SF, NN-S744WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-H724BF, NN-H724SF, NN-H724WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-S724BF, NN-S724SF, NN-S724WF

Brand Name : Panasonic
FCC ID : ACLAP6H61

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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, or OM75PI(21)
 Feed Type and Location: Through the wave guide on the right sidewall of the oven.
 Stirrer: Turntable Type
 Cabinet Dimensions: (W) 518 x (H) 301 x (D) 404 (mm)
 Oven Cavity Dimensions: (W) 375 x (H) 225 x (D) 386 (mm)
 Door Viewing Area Dimensions: (W) 296 x (H) 153 (mm)
 Door Seal Type: Slit Choke seal and capacitive seal method

8. DESCRIPTION OF DIFFERENCES

Model No.	NN-P794 BF/SF/WF	NN-T794 BF/SF/WF	NN-T784 BF/SF/WF	NN-T774 BF/SF/WF	NN-T764 BF/SF/WF	NN-T754 BF/SF/WF	NN-H764 BF/SF/WF
Input Power	120Vac, 12.7A	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	1250W
Magnetron	Matsushita 2M261-M32	Matsushita 2M261-M32	Matsushita 2M261-M32	Matsushita 2M261-M32	Matsushita 2M261-M32	Matsushita 2M261-M32	Matsushita 2M261-M32
Alternate Magnetron	Samsung OM-75PI(21)	Samsung OM-75PI(21)	Samsung OM-75PI(21)	Samsung OM-75PI(21)	Samsung OM-75PI(21)	Samsung OM-75PI(21)	Samsung OM-75PI(21)
Brand	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic

Model No.	NN-S754 BF/SF/WF	NN-H744 BF/SF/WF	NN-S744 BF/SF/WF	NN-H724 BF/SF/WF	NN-S724 BF/SF/WF
Input Power	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A
Output Power	1250W	1250W	1250W	1200W	1200W
Magnetron	Matsushita 2M261-M32	Matsushita 2M261-M32	Matsushita 2M261-M32	Matsushita 2M261-M32	Matsushita 2M261-M32
Alternate Magnetron	Samsung OM-75PI(21)	Samsung OM-75PI(21)	Samsung OM-75PI(21)	Samsung OM-75PI(21)	Samsung OM-75PI(21)
Brand	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic

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EXHIBIT 2

PHOTOGRAPHS OF EQUIPMENT

EXHIBIT 2-A: FRONT VIEW OF MODEL NN-S754BF

EXHIBIT 2-B: FRONT VIEW DOOR OPEN, MODEL NN-S754BF

EXHIBIT 2-C1: LEFT SIDE VIEW OF MODEL NN-S754BF

EXHIBIT 2-C2: LEFT SIDE VIEW OF MODEL NN-S754BF WITH ENCLOSURE REMOVED

EXHIBIT 2-D1: RIGHT SIDE VIEW OF MODEL NN-S754BF

EXHIBIT 2-D2: RIGHT SIDE VIEW OF MODEL NN-S754BF WITH ENCLOSURE REMOVED

EXHIBIT 2-E: REAR VIEW OF MODEL NN-S754BF

EXHIBIT 2-F1: TOP VIEW OF MODEL NN-S754BF

EXHIBIT 2-F1: TOP VIEW OF MODEL NN-S754BF WITH ENCLOSURE REMOVED

EXHIBIT 2-G: BOTTOM VIEW OF MODEL NN-S754BF

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

EXHIBIT 2-L VIEW OF MAGNETRON OM75PI(21)

ACLAP6K51
EXHIBIT 5A-1

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-754WF
SERIAL NO. PP-0002
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>620.0uv/m</u>	N/A
2nd. Harmonic:	<u>4906 MHz</u>	<u>13.03uv/m</u>	36.63
3rd. Harmonic:	<u>7027 MHz</u>	<u>2.43uv/m</u>	"
4th. Harmonic:	<u>9811 MHz</u>	<u>1.91uv/m</u>	"
Spurious:	<u>2572 Mhz</u>	<u>0.62uv/m</u>	"
Emission Sideband:	<u>2400 MHz</u>	<u>0.59uv/m</u>	"
Emission Sideband:	<u>2500 MHz</u>	<u>0.26uv/m</u>	"

Greater than 4th. Harmonic not measurable

Maximum Frequency Variation: 2458 to 2460 MHz
(96V ~ 150V/ 1500 ml water load)

Maximum Frequency Variation: 2458 to 2462 MHz
(1500 ml - 300ml water load)

Total Power Input to Oven: 2028 watts

Power Developed in Dummy Load: 1074 watts

Supply Voltage: 120 Volts, 60Hz, 16.9A

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EXHIBIT 5B

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-H764WF
SERIAL NO. N/A
MAGNETRON TYPE NO.: OM75PI(21)

2. MEASUREMENT DATE: 12/30/03

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

4. INVESTIGATED FREQUENCY RANGE: 100Mhz to 7th Harmonic

5. DATA SUMMARY:

Safety Check :	<u><0.1 MW/cm2</u>		
Radiated Field Strength:	(uV/m @ 300m)		Limit
Fundamental:	<u>2455 MHz</u>	<u>26262.77uv/m</u>	N/A
	<u>1921 MHz</u>	<u>0.53uv/m</u>	31.59
	<u>2088 MHz</u>	<u>0.24uv/m</u>	"
	<u>2240 MHz</u>	<u>0.96uv/m</u>	"
2nd. Harmonic:	<u>4605 MHz</u>	<u>1.07uv/m</u>	"
2nd. Harmonic:	<u>4904 MHz</u>	<u>1.95uv/m</u>	"
3rd. Harmonic:	<u>7353 MHz</u>	<u>3.51uv/m</u>	"
4th. Harmonic:	<u>9795 MHz</u>	<u>2.35uv/m</u>	"
5th. Harmonic:	<u>12251 Mhz</u>	<u>0.66uv/m</u>	"
6th. Harmonic:	<u>14410 Mhz</u>	<u>2.54uv/m</u>	"
7th. Harmonic:	<u>17147 Mhz</u>	<u>1.74uv/m</u>	"
Emission Sideband:	<u>2396 MHz</u>	<u>7.79uv/m</u>	"
Emission Sideband:	<u>2503 MHz</u>	<u>2.88uv/m</u>	"
Greater than 7th. Harmonic	not measurable		

Maximum Frequency Variation: 2452 to 2456 MHz
(96V ~ 150V/ 1000 ml water load)

Maximum Frequency Variation: 2446 to 2464.7 MHz
(1000 ml - 200ml water load)

Total Power Input to Oven: 1549 watts

Power Developed in Dummy Load: 1154.6 watts

Supply Voltage: 120 Volts, 60Hz, 12.99A