

APPLICATION FOR CERTIFICATION

MODEL FAMILY ACLAP7B51

<u>MODEL NO.</u>	<u>FCC ID</u>
NN-P794BFR/SFR/WFR	ACLAP7B51
NN-T795SF	ACLAP7B51
NN-T794SFR	ACLAP7B51
NN-T785SF	ACLAP7B51
NN-T775SF	ACLAP7B51
NN-T774SFR	ACLAP7B51
NN-H765BF/WF	ACLAP7B51
NN-T765SF	ACLAP7B51
NN-T764SFR	ACLAP7B51
NN-S755BF/WF	ACLAP7B51
NN-T755SF	ACLAP7B51
NN-S754BFR/WFR	ACLAP7B51
NN-T745SF	ACLAP7B51
NN-H735BF/WF	ACLAP7B51
NN-S735BF/WF	ACLAP7B51
NN-T735SF	ACLAP7B51

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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:

PANASONIC HOME APPLIANCES, MICROWAVE OVEN CO. LTD. (PHAMOS)
868 Long Dong Road
Pu Dong, Shanghai 201203 CHINA

6. MEASUREMENT SITE:(Radiated Emissions)

FCC Registration Number 96247
PANASONIC MAGNETRON LAB.
PANASONIC INDUSTRIAL COMPANY
1707 N. Randall Road
Elgin, Il 60123-7847

MEASUREMENT SITE: (Line Conducted Emissions).

FCC Registration Number 767285
Jiangsu TUV Product Service Ltd.
10 Huaxia M. Rd.
Wuxi, Jiangsu, 214100 China

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EXHIBIT 1-2

7. EQUIPMENT IDENTIFICATION:

Model No. : NN-P794BFR, NN-P794SFR NN-P794WFR
Brand Name : Panasonic
FCC ID : ACLAP7B51

Model No. : NN-T795SF
Brand Name : Panasonic
FCC ID : ACLAP7B51

Model No. : NN-T794SFR
Brand Name : Panasonic
FCC ID : ACLAP7B51

Model No. : NN-T785SF
Brand Name : Panasonic
FCC ID : ACLAP7B51

Model No. : NN-T775SF
Brand Name : Panasonic
FCC ID : ACLAP7B51

Model No. : NN-T774SFR
Brand Name : Panasonic
FCC ID : ACLAP7B51

Model No. : NN-H765BF/WF
Brand Name : Panasonic
FCC ID : ACLAP7B51

Model No. : NN-T765SF
Brand Name : Panasonic
FCC ID : ACLAP7B51

Model No. : NN-T764SFR
Brand Name : Panasonic
FCC ID : ACLAP7B51

Model No. : NN-S755BF/WF
Brand Name : Panasonic
FCC ID : ACLAP7B51

Model No. : NN-T755SF
Brand Name : Panasonic
FCC ID : ACLAP7B51

Model No. : NN-S754BFR, NN-S754WFR
Brand Name : Panasonic
FCC ID : ACLAP7B51

Model No. : NN-T745SF
Brand Name : Panasonic
FCC ID : ACLAP7B51

Model No: NN-H735BF/WF
Brand Name : Panasonic
FCC ID : ACLAP7B51

Model No. : NN-S735BF, NN-S735WF
Brand Name : Panasonic
FCC ID : ACLAP7B51

Model No: NN-T735WF
Brand Name : Panasonic
FCC ID : ACLAP7B51

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EXHIBIT 1A

8. 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) 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

9. DESCRIPTION OF DIFFERENCES

Model No.	NN-P794 BFR/SFR/WFR	NN-T795SF	NN-T794SFR	NN-T785SF	NN-T775SF	NN-T774SFR
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-H765 BF/WF	NN-T765SF	NN-T764SFR	NN-S755 BF/WF	NN-T755SF	NN-S754 BFR/WFR
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-T745SF	NN-H735 BF/WF	NN-S735 BF/WF	NN-T735SF		
Input Power	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A		
Output Power	1250W	1250W	1250W	1200W		
Magnetron	2M261-M32	2M261-M32	2M261-M32	2M261-M32		
Brand	Panasonic	Panasonic	Panasonic	Panasonic		

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EXHIBIT 2

PHOTOGRAPHS OF EQUIPMENT

EXHIBIT 2-A: FRONT VIEW OF MODEL NN-H765WF

EXHIBIT 2-B: FRONT VIEW DOOR OPEN, MODEL NN-H765WF

EXHIBIT 2-C1: LEFT SIDE VIEW OF MODEL NN-H765WF

EXHIBIT 2-C2: LEFT SIDE VIEW OF MODEL NN-H765WF WITH ENCLOSURE REMOVED

EXHIBIT 2-D1: RIGHT SIDE VIEW OF MODEL NN-H765WF

EXHIBIT 2-D2: RIGHT SIDE VIEW OF MODEL NN-H765WF WITH ENCLOSURE REMOVED

EXHIBIT 2-E: REAR VIEW OF MODEL NN-H765WF

EXHIBIT 2-F1: TOP VIEW OF MODEL NN-H765WF

EXHIBIT 2-F2: TOP VIEW OF MODEL NN-H765WF WITH ENCLOSURE REMOVED

EXHIBIT 2-G: BOTTOM VIEW OF MODEL NN-H765WF

EXHIBIT 2-H: VIEW OF CONTROL CIRCUITRY

EXHIBIT 2-I: VIEW OF POWER LINE FILTER CIRCUITRY

EXHIBIT 2-J: VIEW OF INVERTER POWER SUPPLY

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

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

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EXHIBIT 5A

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-H765WF
SERIAL NO. PP-5002
MAGNETRON TYPE NO.: 2M261-M32

2. MEASUREMENT DATE: 11/12/04

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><0.2 MW/cm²</u>		
Radiated Field Strength:	(<u>uV/m @ 300m</u>)		Limit
Fundamental:	<u>2462 MHz</u>	<u>1960.61uv/m</u>	N/A
2nd. Harmonic:	<u>4924 MHz</u>	<u>32.73uv/m</u>	36.99
3rd. Harmonic:	<u>7339 MHz</u>	<u>3.85uv/m</u>	"
4th. Harmonic:	<u>9840 MHz</u>	<u>3.02uv/m</u>	"
Spurious:	<u>2350 Mhz</u>	<u>0.62uv/m</u>	"
Emission Sideband:	<u>2400 MHz</u>	<u>0.47uv/m</u>	"
Emission Sideband:	<u>2500 MHz</u>	<u>0.81uv/m</u>	"

Greater than 4th. Harmonic not measurable

Maximum Frequency Variation: 2458 to 2461 MHz
(96V ~ 150V/ 1500 ml water load)

Maximum Frequency Variation: 2458 to 2465 MHz
(1500 ml - 300ml water load)

Total Power Input to Oven: 2075 watts

Power Developed in Dummy Load: 1095 watts

Supply Voltage: 120 Volts, 60Hz, 17.3A

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EXHIBIT 5B

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-H765WF
SAMPLE NO. S41105031
MAGNETRON TYPE NO.: 2M261-M32

2. MEASUREMENT DATE: 11/09/04

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

4. INVESTIGATED FREQUENCY RANGE: 0.15MHz to 30MHz

5. DATA SUMMARY: Selected Peak Readings (Refer to Spectrum Analyzer plot for complete readings).

Power Line High Side

Frequency MHz	QP Level dBuV	QP Limit dBuV	QP Delta dB
0.15	57.04	66.00	8.96
0.235	53.49	62.27	8.78
14.79	42.75	60.00	17.25
16.42	51.49	60.00	8.51

Frequency MHz	AV Level dBuV	AV Limit dBuV	AV Delta dB
0.15	42.41	56.00	13.59
16.39	44.33	50.00	5.67

Power Line Neutral Side

Frequency MHz	QP Level dBuV	QP Limit dBuV	QP Delta dB
0.225	55.61	62.63	7.02
14.7	44.50	60.00	15.50
17.95	47.45	60.00	12.55

Frequency MHz	AV Level dBuV	AV Limit dBuV	AV Delta dB
17.94	42.99	50.00	7.01

