APPLICATION FOR CERTIFICATION ACLAP7G81

MODEL NO.	FCC ID
NN-S335BF	ACLAP7G81
NN-S335MF	ACLAP7G81
NN-S335WF	ACLAP7G81

LIST OF EXHIBITS

EXHIBIT 1A : TECHNICAL REPORT (Radiated Emissions)

EXHIBIT 1B : TECHNICAL REPORT (Line Conducted Emissions)

EXHIBIT 2 : PHOTOGRAPHS OF MAGNETRON AND COMPONENTS

EXHIBIT 3 : SAMPLE AND LOCATION OF FCC ID LABEL

EXHIBIT 4 : SCHEMATIC DIAGRAMS

EXHIBIT 5A : REPORT OF MEASUREMENTS (Radiated Emissions)

EXHIBIT 5B : REPORT OF MEASUREMENTS (Line Conducted Emissions)

EXHIBIT 6A : LIST OF MEASURING EQUIPMENT AND CALIBRATION (Radiated Emissions)

EXHIBIT 6B : LIST OF MEASURING EQUIPMENT AND CALIBRATION (Line Conducted Emissions)

EXHIBIT 7 : OPERATING INSTRUCTIONS

EXHIBIT 8 : INSTALLATION INSTRUCTIONS

ACLAP7G81
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:
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

7. EQUIPMENT IDENTIFICATION
Model No. : NN-S335BF,NN-S335MF, NN-S335WF
Brand Name : Panasonic
FCC ID : ACLAP7G81

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EXHIBIT 1-2

8. EQUIPMENT SPECIFICATIONS:

Electrical Power Requirement: 120V, 60Hz, 10.5A
Nominal Operating Frequency: 2450 MHz
Maximum RF Energy Generated: 800 W (IEC 705)
Magnetron Type: 2M210
Feed Type and Location: Through the wave guide on the right sidewall of the oven.
Stirrer: Turntable Type
Cabinet Dimensions: (W) 482 x (H) 282 x (D) 354 (mm)
Oven Cavity Dimensions: (W) 325 x (H) 218 x (D) 330 (mm)
Door Viewing Area Dimensions: (W) 204 x (H) 102 (mm)
Door Seal Type: Slit Choke seal and capacitive seal method

9. DESCRIPTION OF DIFFERENCES

Model No.	NN-S335 BF/MF/WF
Input Power	120Vac, 10.5A
Output Power	800W
Magnetron	2M210-M1
Brand	Panasonic

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EXHIBIT 2

PHOTOGRAPHS OF EQUIPMENT

EXHIBIT 2-A: FRONT VIEW OF MODEL NN-S335WF

EXHIBIT 2-B: FRONT VIEW DOOR OPEN, MODEL NN-S335WF

EXHIBIT 2-C1: LEFT SIDE VIEW OF MODEL NN-S335WF
EXHIBIT 2-C2: LEFT SIDE VIEW OF MODEL NN-S335WF WITH ENCLOSURE REMOVED

EXHIBIT 2-D1: RIGHT SIDE VIEW OF MODEL NN-S335WF
EXHIBIT 2-D2: RIGHT SIDE VIEW OF MODEL NN-S335WF WITH ENCLOSURE REMOVED

EXHIBIT 2-E:REAR VIEW OF MODEL NN-S335WF

EXHIBIT 2-F1: TOP VIEW OF MODEL NN-S335WF
EXHIBIT 2-F2: TOP VIEW OF MODEL NN-S335WF WITH ENCLOSURE REMOVED

EXHIBIT 2-G: BOTTOM VIEW OF MODEL NN-S335WF

EXHIBIT 2-H: VIEW OF CONTROL CIRCUITRY & POWER LINE FILTER, MODEL NN-S335WF

EXHIBIT 2-I: VIEW OF MAGNETRON TYPE 2M210-M1

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

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EXHIBIT 5A

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-S335WF
   SERIAL NO. PP-5001
   MAGNETRON TYPE NO.: 2M210-M1

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:	<0.04 MW/cm2		
Radiated Field Strength:		(uV/m @ 300m)	Limit
Fundamental:	2478 MHz	1960.61uv/m	N/A
2nd. Harmonic:	4938 MHz	1.64uv/m	27.51
3rd. Harmonic:	7432 MHz	1.53uv/m	"
4th. Harmonic:	8585 MHz	2.40uv/m	"
Spurious:	2387 Mhz	1.56uv/m	"
Emission Sideband:	2400 MHz	0.21uv/m	"
Emission Sideband:	2500 MHz	0.32uv/m	"

Greater than 4th. Harmonic not measurable

Maximum Frequency Variation: 2469 to 2471 MHz
(96V ~ 150V/ 1000 ml water load)

Maximum Frequency Variation: 2471 to 2479 MHz
(1000 ml - 200ml water load)

Total Power Input to Oven: 1225 watts

Power Developed in Dummy Load: 606 watts

Supply Voltage: 120 Volts, 60Hz, 11.1A

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EXHIBIT 5B

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-S335WF
SAMPLE NO. S41026021
MAGNETRON TYPE NO.: 2M210-M1

2. MEASUREMENT DATE: 11/11/04

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
0.95265	21.71	56.00	34.29
1.39649	34.33	56.00	21.67
2.18187	40.68	56.00	15.32

Frequency MHz	AV Level dBuV	AV Limit dBuV	AV Delta dB

Peak Readings are not recorded when there is more than 6dB margin to limit for all measured frequencies.

Power Line Neutral Side

Frequency MHz	QP Level dBuV	QP Limit dBuV	QP Delta dB
1.09084	43.59	56.00	12.41
1.25908	43.67	56.00	12.33

Frequency MHz	AV Level dBuV	AV Limit dBuV	AV Delta dB

Peak Readings are not recorded when there is more than 6dB margin to limit for all measured frequencies.