APPLICATION FOR CERTIFICATION	ACLAP7F31
MODEL NO.	FCC ID
NN-G354MFR	ACLAP7F31

LIST OF EXHIBITS

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EXHIBIT 2: PHOTOGRAPHS OF MAGNETRON AND COMPONENTS

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EXHIBIT 5: REPORT OF MEASUREMENTS

EXHIBIT 6: LIST OF MEASURING EQUIPMENT AND CALIBRATION

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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:
PANASONIC HOME APPLIANCE COMPANY of AMERICA
MICROWAVE TECHNICAL LAB.,E-Zip E2J-16
1711 N. Randall Road
Elgin, Illinois 60123-7847

5. MANUFACTURER:
PANASONIC HOME APPLIANCE MICROWAVE OVEN SHANGHAI COMPANY 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-G354MFR
Brand Name : Panasonic
FCC ID : ACLAP7F31

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EXHIBIT 1A

7. 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-M1
Feed Type and Location: Through the wave guide on the right sidewall of the oven.
Stirrer: Turntable Type
Browning Element: 1100W
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

8. DESCRIPTION OF DIFFERENCES

Model No.	NN-G354MFR
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-G354MFR

EXHIBIT 2-B: FRONT VIEW DOOR OPEN, MODEL NN-G354MFR

EXHIBIT 2-C1: LEFT SIDE VIEW OF MODEL NN-G354MFR
EXHIBIT 2-C2: LEFT SIDE VIEW OF MODEL NN-G354MFR WITH ENCLOSURE REMOVED

EXHIBIT 2-D1: RIGHT SIDE VIEW OF MODEL NN-G354MFR
EXHIBIT 2-D2: RIGHT SIDE VIEW OF MODEL NN-G354MFR WITH ENCLOSURE REMOVED

EXHIBIT 2-E:REAR VIEW OF MODEL NN-G354MFR

EXHIBIT 2-F1: TOP VIEW OF MODEL NN-G354MFR
EXHIBIT 2-F2: TOP VIEW OF MODEL NN-G354MFR WITH ENCLOSURE REMOVED

EXHIBIT 2-G: BOTTOM VIEW OF MODEL NN-G354MFR

EXHIBIT 2-H: VIEW OF MAGNETRON TYPE 2M211

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

EXHIBIT 2-J: VIEW OF CONTROL CIRCUITRY, MODEL NN-G354MFR

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EXHIBIT 5A

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-G354MFR
   SERIAL NO. PP-5001
   MAGNETRON TYPE NO.: 2M210-M1)

2. MEASUREMENT DATE: 2/15/05

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:	<0.20 MW/cm2		
Radiated Field Strength:		(uV/m @ 300m)	Limit
Fundamental:	2468 MHz	1960.61uv/m	N/A
2nd. Harmonic:	4945 MHz	10.35uv/m	28.53
3rd. Harmonic:	7413 MHz	7.67uv/m	"
4th. Harmonic:	9879 MHz	4.79uv/m	"
Spurious:	2392 Mhz	0.49uv/m	"
Emission Sideband:	2400 MHz	0.23uv/m	"
Emission Sideband:	2500 MHz	0.32uv/m	"

Greater than 4th. Harmonic not measurable

Maximum Frequency Variation: 2465 to 2469 MHz
(96V ~ 150V/ 1000 ml water load)

Maximum Frequency Variation: 2467 to 2473 MHz
(1000 ml - 200ml water load)

Total Power Input to Oven: 1350 watts

Power Developed in Dummy Load: 651 watts

Supply Voltage: 120 Volts, 60Hz, 12.1A

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EXHIBIT 5B

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-G354MFR
SAMPLE NO. J50223071
MAGNETRON TYPE NO.: 2M210-M1

2. MEASUREMENT DATE: 3/4/05

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
0.515	33.27	56.00	22.73
3.25	36.90	56.00	19.10

Frequency MHz	AV Level dBuV	AV Limit dBuV	AV Delta dB
0.515	6.20	46.00	39.80
3.25	12.47	46.00	33.53

Power Line Neutral Side

Frequency MHz	QP Level dBuV	QP Limit dBuV	QP Delta dB
0.195	38.15	63.82	25.67
0.27	34.30	61.12	26.82
0.315	35.07	59.84	24.77
0.395	37.34	57.96	20.62
0.72	35.53	56.00	20.47

Frequency MHz	AV Level dBuV	AV Limit dBuV	AV Delta dB
0.195	13.13	53.82	40.69
0.27	8.55	51.12	42.57
0.315	9.76	49.84	40.08
0.395	7.73	47.96	40.23

0.72	9.61	46.00	36.39