

APPLICATION FOR CERTIFICATION

ACLAP6R61

<u>MODEL NO.</u>	<u>FCC ID</u>
NN-G355BF	ACLAP6R61
NN-G355MF	ACLAP6R61
NN-G355WF	ACLAP6R61

LIST OF EXHIBITS

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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

7. EQUIPMENT IDENTIFICATION

Model No. : NN-G355BF, NN-G355MF, NN-G355WF
Brand Name : Panasonic
FCC ID : ACLAP6R61

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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: 2M211, or OM52S
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-G355 BF/MF/WF	NN-G355 BF/MF/WF
Input Power	120Vac, 10.5A	120Vac, 10.5A
Output Power	800W	800W
Magnetron	2M211	OM52S
Brand	Panasonic	Samsung

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EXHIBIT 2

PHOTOGRAPHS OF EQUIPMENT

EXHIBIT 2-A: FRONT VIEW OF MODEL NN-G355MF

EXHIBIT 2-B: FRONT VIEW DOOR OPEN, MODEL NN-G355MF

EXHIBIT 2-C1: LEFT SIDE VIEW OF MODEL NN-G355MF

EXHIBIT 2-C2: LEFT SIDE VIEW OF MODEL NN-G355MF WITH ENCLOSURE REMOVED

EXHIBIT 2-D1: RIGHT SIDE VIEW OF MODEL NN-G355MF

EXHIBIT 2-D2: RIGHT SIDE VIEW OF MODEL NN-G355MF WITH ENCLOSURE REMOVED

EXHIBIT 2-E: REAR VIEW OF MODEL NN-G355MF

EXHIBIT 2-F1: TOP VIEW OF MODEL NN-G355MF

EXHIBIT 2-F2: TOP VIEW OF MODEL NN-G355MF WITH ENCLOSURE REMOVED

EXHIBIT 2-G: BOTTOM VIEW OF MODEL NN-G355MF

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-G355MF

EXHIBIT 2-K: VIEW OF MAGNETRON TYPE OM52S

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EXHIBIT 5A-1

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-G355MF
SERIAL NO. PP-0001
MAGNETRON TYPE NO.: **2M211 (PANASONIC)**

2. MEASUREMENT DATE: 4/23/04

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><0.15 MW/cm2</u>	
Radiated Field Strength:	(<u>uV/m @ 300m</u>)	Limit
Fundamental:	<u>2465 MHz</u> <u>1557.37uv/m</u>	N/A
2nd. Harmonic:	<u>4945 MHz</u> <u>3.27uv/m</u>	28.37
3rd. Harmonic:	<u>7409 MHz</u> <u>2.43uv/m</u>	"
4th. Harmonic:	<u>10247 MHz</u> <u>1.20uv/m</u>	"
Spurious:	<u>2330 Mhz</u> <u>0.25uv/m</u>	"
Emission Sideband:	<u>2400 MHz</u> <u>0.47uv/m</u>	"
Emission Sideband:	<u>2500 MHz</u> <u>0.26uv/m</u>	"

Greater than 4th. Harmonic not measurable

Maximum Frequency Variation: 2464 to 2465 MHz
(96V ~ 150V/ 1000 ml water load)

Maximum Frequency Variation: 2466 to 2467 MHz
(1000 ml - 200ml water load)

Total Power Input to Oven: 1325 watts

Power Developed in Dummy Load: 644 watts

Supply Voltage: 120 Volts, 60Hz, 12.1A

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EXHIBIT 5A-2

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-G355MF
SERIAL NO. PP-0002
MAGNETRON TYPE NO.: **OM52S (SAMSUNG)**

2. MEASUREMENT DATE: 4/23/04

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><0.07 MW/cm2</u>	
Radiated Field Strength:	(<u>uV/m @ 300m</u>)	Limit
Fundamental:	<u>2467 MHz</u> <u>1960.61uv/m</u>	N/A
2nd. Harmonic:	<u>4940 MHz</u> <u>6.53uv/m</u>	28.45
3rd. Harmonic:	<u>7405 MHz</u> <u>15.31uv/m</u>	"
4th. Harmonic:	<u>10160 MHz</u> <u>1.20uv/m</u>	"
Spurious:	<u>2328 Mhz</u> <u>0.25uv/m</u>	"
Emission Sideband:	<u>2400 MHz</u> <u>0.37uv/m</u>	"
Emission Sideband:	<u>2500 MHz</u> <u>0.26uv/m</u>	"

Greater than 4th. Harmonic not measurable

Maximum Frequency Variation: 2465 to 2466 MHz
(96V ~ 150V/ 1000 ml water load)

Maximum Frequency Variation: 2458 to 2465 MHz
(1000 ml - 200ml water load)

Total Power Input to Oven: 1350 watts

Power Developed in Dummy Load: 648 watts

Supply Voltage: 120 Volts, 60Hz, 12.5A