

ACLAP5G61

APPLICATION FOR CERTIFICATION

<u>MODEL NO.</u>	<u>FCC ID</u>
NN-GX35BF	ACLAP5G61
NN-GX35SF	ACLAP5G61
NN-GX35WF	ACLAP5G61

LIST OF EXHIBITS

- EXHIBIT 1: TECHNICAL REPORT
- EXHIBIT 2: PHOTOGRAPHS OF MAGNETRON AND COMPONENTS
- EXHIBIT 3: SAMPLE AND LOCATION OF FCC ID LABEL
- EXHIBIT 4: SCHEMATIC DIAGRAM
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- EXHIBIT 6: LIST OF MEASURING EQUIPMENT AND CALIBRATION
- EXHIBIT 7: OPERATING INSTRUCTIONS
- EXHIBIT 8: INSTALLATION INSTRUCTIONS

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EXHIBIT 1

TECHNICAL REPORT

1. DESCRIPTION OF MEASUREMENT FACILITY:

The description of the measurement facility is on file with the FCC laboratory.

2. INSTALLATION INSTRUCTIONS:

See EXHIBIT 7.

3. OPERATING INSTRUCTIONS:

See EXHIBIT 8.

4. APPLICANT:

MATSUSHITA TECHNOLOGY CORPORATION of AMERICA,  
Microwave Technical Laboratory  
9333 W. Grand Avenue  
Franklin Park, Illinois 60131

5. MANUFACTURER:

SHANGHAI MATSUSHITA MICROWAVE OVEN COMPANY LTD.  
898 Long Dong Road Pu dong  
Shanghai, 201203 China

6. MEASUREMENT SITE:

Panasonic Magnetron Lab.  
Panasonic Industrial Co.  
1707 N. Randle Road  
Elgin, IL 60123-7847

7. EQUIPMENT IDENTIFICATION:

Model No. : NN-GX35BF, NN-GX35SF, NN-GX35WF  
Brand Name : Panasonic  
FCC ID : ACLAP5G61

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EXHIBIT 1A

7. EQUIPMENT SPECIFICATIONS:

Electrical Power Requirement: 120Vac, 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 side of the oven.

Stirrer: Turntable

Cabinet Dimensions: (W) 482 x (H) 282 x (D) 357 (mm)

Oven Cavity Dimensions: (W) 325 x (H) 218 x (D) 330 (mm)

Door Viewing Area Dimensions: (W) 204 x (H) 103 (mm)

Door Seal Type: Slit Choke seal and capacitive seal method

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EXHIBIT 2

PHOTOGRAPHS OF EQUIPMENT

EXHIBIT 2-A: FRONT VIEW OF MODEL NN-GX35WF

EXHIBIT 2-B: FRONT VIEW OF MODEL NN-GX35WF WITH THE DOOR OPENED

EXHIBIT 2-C1: LEFT SIDE VIEW OF MODEL NN-GX35WF

EXHIBIT 2-C2: LEFT SIDE VIEW OF MODEL NN-GX35WF WITH ENCLOSURE REMOVED

EXHIBIT 2-D1: RIGHT SIDE VIEW OF MODEL NN-GX35WF

EXHIBIT 2-D2: RIGHT SIDE VIEW OF MODEL NN-GX35WF WITH ENCLOSURE REMOVED

EXHIBIT 2-E1: REAR VIEW OF MODEL NN-GX35WF

EXHIBIT 2-F1: TOP VIEW OF MODEL NN-GX35WF

EXHIBIT 2-F2: TOP VIEW OF MODEL NN-GX35WF WITH ENCLOSURE REMOVED

EXHIBIT 2-G: BOTTOM VIEW OF MODEL NN-GX35WF

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

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EXHIBIT 5A

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-GX35WF

SERIAL NO. PP-5001

MAGNETRON TYPE NO.: 2M210-M1

2. MEASUREMENT DATE: 7/15/02

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

4. INVESTIGATED FREQUENCY RANGE: 100Mhz to 10th Harmonic

5. DATA SUMMARY:

Safety Check : <0.5 MW/cm<sup>2</sup>

Radiated Field Strength:	( uV/m @ 300m )	Limit
Fundamental	<u>2465 MHz</u> <u>620uv/m</u>	-----
2nd. Harmonic	<u>4931 MHz</u> <u>6.61uv/m</u>	27.70
3rd. Harmonic	<u>7399 MHz</u> <u>3.89uv/m</u>	"
4 <sup>th</sup> . Harmonic	<u>9871 MHz</u> <u>3.02uv/m</u>	"
Spurious	<u>2392 MHz</u> <u>0.75uv/m</u>	"
Emission Sideband	<u>2400 MHz</u> <u>0.94uv/m</u>	"
Emission Sideband	<u>2500 MHz</u> <u>0.32uv/m</u>	"

Harmonics greater than 4th. Harmonic not measurable-readings below floor of noise level.

Maximum Frequency Variation: 2463 to 2466 MHz

(98V ~ 150V/ 1000 ml water load)

Maximum Frequency Variation: 2464 to 2466 MHz

(1000 ml - 200ml water load)

Total Power Input to Oven: 1464 watts

Power Developed in Dummy Load: 616 watts

Supply Voltage: 120 Volts, 60Hz, 12.2A