

ACLAP5H01

APPLICATION FOR CERTIFICATION

<u>MODEL NO.</u>	<u>FCC ID</u>
NN-S252BF	ACLAP5H01
NN-S252WF	ACLAP5H01
NN-S262BF	ACLAP5H01
NN-S262SF	ACLAP5H01
NN-S262WF	ACLAP5H01

LIST OF EXHIBITS

EXHIBIT 1: TECHNICAL REPORT

EXHIBIT 2: PHOTOGRAPHS OF MAGNETRON AND COMPONENTS

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EXHIBIT 4: SCHEMATIC DIAGRAM

EXHIBIT 5: REPORT OF MEASUREMENTS

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:

Matsushita EMC Center
Matsushita Electric Industrial Co. Ltd.
Yashiro Sasayama-shi
Hyogo, 669-2356 Japan

7. EQUIPMENT IDENTIFICATION:

Model No. : NN-S552BF, NN-S252WF, NN-S262BF, NN-S262SF, NN-S262WF
Brand Name : Panasonic
FCC ID : ACLAP5H01

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EXHIBIT 1A

7. EQUIPMENT SPECIFICATIONS:

Electrical Power Requirement: 120Vac, 60Hz, 10.8A

Nominal Operating Frequency: 2450 MHz

Maximum RF Energy Generated: 1200 W (IEC 705)

Magnetron Type: 2M261-M32

Feed Type and Location: Through the wave guide on the top of the oven.

Stirrer: Turntable and Mode Stirrer

Cabinet Dimensions: (W) 759 x (H) 418 x (D) 381 (mm)

Oven Cavity Dimensions: (W) 591 x (H) 241.5 x (D) 238 (mm)

Door Viewing Area Dimensions: (W) 462 x (H) 166 (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-S262WF

EXHIBIT 2-B: FRONT VIEW OF MODEL NN-S262WF WITH THE DOOR OPENED

EXHIBIT 2-C1: LEFT SIDE VIEW OF MODEL NN-S262WF

EXHIBIT 2-C2: LEFT SIDE VIEW OF MODEL NN-S262WF WITH ENCLOSURE REMOVED

EXHIBIT 2-D1: RIGHT SIDE VIEW OF MODEL NN-S262WF

EXHIBIT 2-D2: RIGHT SIDE VIEW OF MODEL NN-S262WF WITH ENCLOSURE REMOVED

EXHIBIT 2-E1: REAR VIEW OF MODEL NN-S262WF

EXHIBIT 2-F1: TOP VIEW OF MODEL NN-S262WF

EXHIBIT 2-F2: TOP VIEW OF MODEL NN-S262WF WITH ENCLOSURE REMOVED

EXHIBIT 2-G: BOTTOM VIEW OF MODEL NN-S262WF

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

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EXHIBIT 5A

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-S262WF

SERIAL NO. FE-001

MAGNETRON TYPE NO.: 2M261-M32

2. MEASUREMENT DATE: 11/7/01

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/cm²

Radiated Field Strength:	(uV/m @ 300m)	Limit	
Spurious, (Horiz. mode):	<u>127.94 MHz</u>	<u>1.88uv/m</u>	22.95
Spurious, (Horiz. mode):	<u>2389.80 MHz</u>	<u>6.00uv/m</u>	"
2nd. Harmonic, (Horiz. mode):	<u>4889.00 MHz</u>	<u>0.71uv/m</u>	"
3rd. Harmonic, (Horiz. mode):	<u>7353.00 MHz</u>	<u>0.86uv/m</u>	"
4 th . Harmonic (Horiz. mode):	<u>9784.50 Mhz</u>	<u>0.91uv/m</u>	"
5 th . Harmonic (Horiz. mode):	<u>12146.70 Mhz</u>	<u>1.63uv/m</u>	"
Emission Sideband (Horiz. mode):	<u>2400 MHz</u>	<u>4.59uv/m</u>	"
Emission Sideband (Horiz. mode):	<u>2500 MHz</u>	<u>3.56uv/m</u>	"
Spurious, (Vert. mode):	<u>127.94 MHz</u>	<u>4.52uv/m</u>	22.95
Spurious, (Vert. mode):	<u>2389.80 MHz</u>	<u>7.90uv/m</u>	"
2nd. Harmonic (Vert. mode):	<u>4889.00 MHz</u>	<u>1.81uv/m</u>	"
3rd. Harmonic (Vert. mode):	<u>7353.00 MHz</u>	<u>1.01uv/m</u>	"
4 th . Harmonic (Vert. mode):	<u>9784.50 Mhz</u>	<u>0.92uv/m</u>	"
5 th . Harmonic (Vert. mode):	<u>12146.70 Mhz</u>	<u>3.09uv/m</u>	"
Emission Sideband (Vert. mode):	<u>2400 MHz</u>	<u>6.27uv/m</u>	"
Emission Sideband (Vert. mode):	<u>2500 MHz</u>	<u>3.94uv/m</u>	"

Harmonics greater than 5th. Harmonic not measurable-readings below floor of noise level.

Maximum Frequency Variation: 2468.0 to 2455.0 MHz
(96V ~ 150V/ 1500 ml water load)

Maximum Frequency Variation: 2470.0 to 2453.0 MHz
(1500 ml - 300ml water load)

Total Power Input to Oven: 1250 watts

Power Developed in Dummy Load: 1170 watts

Supply Voltage: 120 Volts, 60Hz, 10.8A

