

ACLAP5G41

APPLICATION FOR CERTIFICATION

<u>MODEL NO.</u>	<u>FCC ID</u>
NN-MX25BF	ACLAP5G41
NN-MX25WF	ACLAP5G41

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
- EXHIBIT 5: REPORT OF MEASUREMENTS
- EXHIBIT 6: LIST OF MEASURING EQUIPMENT AND CALIBRATION
- EXHIBIT 7: OPERATING INSTRUCTIONS
- EXHIBIT 8: INSTALLATION INSTRUCTIONS

ACLAQ3061
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-MX25BF, NN-MX25WF
Brand Name : Panasonic
FCC ID : ACLAP5G41

ACLAP5G41
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

ACLAP5G41
EXHIBIT 2

PHOTOGRAPHS OF EQUIPMENT

EXHIBIT 2-A: FRONT VIEW OF MODEL NN-MX25WF

EXHIBIT 2-B: FRONT VIEW OF MODEL NN-MX25WF WITH THE DOOR OPENED

EXHIBIT 2-C1: LEFT SIDE VIEW OF MODEL NN-MX25WF

EXHIBIT 2-C2: LEFT SIDE VIEW OF MODEL NN-MX25WF WITH ENCLOSURE REMOVED

EXHIBIT 2-D1: RIGHT SIDE VIEW OF MODEL NN-MX25WF

EXHIBIT 2-D2: RIGHT SIDE VIEW OF MODEL NN-MX25WF WITH ENCLOSURE REMOVED

EXHIBIT 2-E1: REAR VIEW OF MODEL NN-MX25WF

EXHIBIT 2-F1: TOP VIEW OF MODEL NN-MX25WF

EXHIBIT 2-F2: TOP VIEW OF MODEL NN-MX25WF WITH ENCLOSURE REMOVED

EXHIBIT 2-G: BOTTOM VIEW OF MODEL NN-MX25WF

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

ACLAP5G41
EXHIBIT 5A

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-MX25WF

SERIAL NO. PP-001

MAGNETRON TYPE NO.: 2M210-M1

2. MEASUREMENT DATE: 10/31/01

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
2nd. Harmonic, (Horiz. mode):	<u>4943 MHz</u>	<u>1.94uv/m</u> 18.88
3rd. Harmonic, (Horiz. mode):	<u>7381.5 MHz</u>	<u>2.46uv/m</u> "
4 th . Harmonic (Horiz. mode):	<u>9870.55 Mhz</u>	<u>3.35uv/m</u> "
5 th . Harmonic (Horiz. mode):	<u>12348.82 Mhz</u>	<u>2.90uv/m</u> "
6 th . Harmonic (Horiz. mode):	<u>14808.70 Mhz</u>	<u>3.17uv/m</u> "
Emission Sideband (Horiz. mode):	<u>2400 MHz</u>	<u>3.50uv/m</u> "
Emission Sideband (Horiz. mode):	<u>2500 MHz</u>	<u>2.35uv/m</u> "
2nd. Harmonic, (Vert.. mode):	<u>4943 MHz</u>	<u>2.17uv/m</u> 18.88
3rd. Harmonic, (Vert. mode):	<u>7381.5 MHz</u>	<u>2.31uv/m</u> "
4 th . Harmonic (Vert.. mode):	<u>9870.55 Mhz</u>	<u>2.30uv/m</u> "
5 th . Harmonic (Vert.. mode):	<u>12348.82 Mhz</u>	<u>2.84uv/m</u> "
6 th . Harmonic (Vert.. mode):	<u>14808.70 Mhz</u>	<u>3.09uv/m</u> "
Emission Sideband (Vert.. mode):	<u>2400 MHz</u>	<u>3.04uv/m</u> "
Emission Sideband (Vert.. mode):	<u>2500 MHz</u>	<u>2.43uv/m</u> "

Harmonics greater than 6th. Harmonic not measurable-readings below floor of noise level.

Maximum Frequency Variation: 2458.6 to 2455.4 MHz

(96V ~ 150V/ 1000 ml water load)

Maximum Frequency Variation: 2462 to 2466.6 MHz

(1000 ml - 200ml water load)

Total Power Input to Oven: 1200 watts

Power Developed in Dummy Load: 792 watts

Supply Voltage: 120 Volts, 60Hz, 10.8A

