

ACLAQ3061

APPLICATION FOR CERTIFICATION

<u>MODEL NO.</u>	<u>FCC ID</u>
NE-2180	ACLAQ3061

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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:

MATSUSHITA ELECTRIC INDUSTRIAL COMPANY,
Microwave Oven Division
800 Tsutsui-Cho Yamatokoriyama
Nara, 639-1188 Japan

6. MEASUREMENT SITE:

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

7. EQUIPMENT IDENTIFICATION:

Model No. :NE-2180
Brand Name : Panasonic
FCC ID : ACLAQ3061

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EXHIBIT 1A

7. EQUIPMENT SPECIFICATIONS:

Electrical Power Requirement: 208/230Vac, 60Hz, 18.0A /20.0A

Nominal Operating Frequency: 2450 MHz

Maximum RF Energy Generated: 2100 W (IEC 705)

Magnetron Type: 2M210-M1 (4)

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

Stirrer: Stirrer Type (4)

Cabinet Dimensions: (W) 650 x (H) 471 x (D) 526 (mm)

Oven Cavity Dimensions: (W) 535 x (H) 250 x (D) 330 (mm)

Door Viewing Area Dimensions: (W) 425 x (H) 138 (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 NE-2180

EXHIBIT 2-B: FRONT VIEW OF MODEL NE-2180 WITH THE DOOR OPENED

EXHIBIT 2-C1: LEFT SIDE VIEW OF MODEL NE-2180

EXHIBIT 2-C2: LEFT SIDE VIEW OF MODEL NE-2180 WITH ENCLOSURE REMOVED

EXHIBIT 2-D1: RIGHT SIDE VIEW OF MODEL NE-2180

EXHIBIT 2-D2: RIGHT SIDE VIEW OF MODEL NE-2180 WITH ENCLOSURE REMOVED

EXHIBIT 2-E1: REAR VIEW OF MODEL NE-2180

EXHIBIT 2-E2: REAR VIEW OF MODEL NE-2180 WITH ENCLOSURE REMOVED

EXHIBIT 2-F1: TOP VIEW OF MODEL NE-2180

EXHIBIT 2-F2: TOP VIEW OF MODEL NE-2180 WITH ENCLOSURE REMOVED

EXHIBIT 2-G: BOTTOM VIEW OF MODEL NE-2180

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

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EXHIBIT 5A

REPORT OF MEASUREMENTS

1. MODEL NO.: NE-2180

SERIAL NO. PP-6021

MAGNETRON TYPE NO.: 2M210-M1

2. MEASUREMENT DATE: 7/13/01

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): 4998 MHz 0.38uv/m 32.77

3rd. Harmonic, (Horiz. mode): 7358 MHz 0.36uv/m "

Spurious, (Horiz. mode): 8134 Mhz not measurable

Emission Sideband (Horiz. mode): 2400 MHz not measurable

Emission Sideband (Horiz. mode): 2500 MHz not measurable

2nd. Harmonic, (Vert. mode): 4938 MHz 0.60uv/m 32.77

3rd. Harmonic, (Vert. mode): 7358 MHz 0.39uv/m "

Spurious, (Vert. mode): 8134 Mhz 1.75uv/m "

Emission Sideband: 2400 MHz 0.17uv/m "

Emission Sideband: 2500 MHz 0.17uv/m "

Harmonics greater than 3rd. Harmonic not measurable-readings below floor of noise level.

Maximum Frequency Variation: 2459 to 2464 MHz
(166V ~ 260V/ 2500 ml water load)

Maximum Frequency Variation: 2446 to 2469 MHz
(2500 ml - 500ml water load)

Total Power Input to Oven: 3950 watts

Power Developed in Dummy Load: 2387 watts

Supply Voltage: 208 Volts, 60Hz, 19.9A