

ACLAQ3041

APPLICATION FOR CERTIFICATION

MODEL NO.

FCC ID

NE-3280

ACLAQ3041

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

ACLAQ3041
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-3280
Brand Name : Panasonic
FCC ID : ACLAQ3041

ACLAQ3041
EXHIBIT 1A

7. EQUIPMENT SPECIFICATIONS:

Electrical Power Requirement: 208/230Vac, 60Hz, 25.3A /28.0A

Nominal Operating Frequency: 2450 MHz

Maximum RF Energy Generated: 3200 W (IEC 705)

Magnetron Type: 2M244-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

ACLAQ3041
EXHIBIT 2

PHOTOGRAPHS OF EQUIPMENT

EXHIBIT 2-A: FRONT VIEW OF MODEL NE-3280

EXHIBIT 2-B: FRONT VIEW OF MODEL NE-3280 WITH THE DOOR OPENED

EXHIBIT 2-C1: LEFT SIDE VIEW OF MODEL NE-3280

EXHIBIT 2-C2: LEFT SIDE VIEW OF MODEL NE-3280 WITH ENCLOSURE REMOVED

EXHIBIT 2-D1: RIGHT SIDE VIEW OF MODEL NE-3280

EXHIBIT 2-D2: RIGHT SIDE VIEW OF MODEL NE-3280 WITH ENCLOSURE REMOVED

EXHIBIT 2-E1: REAR VIEW OF MODEL NE-3280

EXHIBIT 2-E2: REAR VIEW OF MODEL NE-3280 WITH ENCLOSURE REMOVED

EXHIBIT 2-F1: TOP VIEW OF MODEL NE-3280

EXHIBIT 2-F2: TOP VIEW OF MODEL NE-3280 WITH ENCLOSURE REMOVED

EXHIBIT 2-G: BOTTOM VIEW OF MODEL NE-3280

EXHIBIT 2-H: VIEW OF MAGNETRON TYPE 2M244-M1

ACLAQ3041
EXHIBIT 5A

REPORT OF MEASUREMENTS

1. MODEL NO.: NE-3280

SERIAL NO. PP-6001

MAGNETRON TYPE NO.: 2M244-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):	<u>4938 MHz</u> <u>0.64uV/m</u>	38.92
3rd. Harmonic, (Horiz. mode):	<u>7358 MHz</u> <u>0.41uV/m</u>	"
Spurious, (Horiz. mode):	<u>8143 Mhz</u> <u>0.65uV/m</u>	"
Emission Sideband (Horiz. mode):	<u>2400 MHz</u> not measurable	
Emission Sideband (Horiz. mode):	<u>2500 MHz</u> not measurable	
2nd. Harmonic, (Vert. mode):	<u>4938 MHz</u> <u>1.20uV/m</u>	38.92
3rd. Harmonic, (Vert. mode):	<u>7358 MHz</u> <u>0.63uV/m</u>	"
Spurious, (Vert. mode):	<u>8143 Mhz</u> <u>2.24uV/m</u>	"
Emission Sideband:	<u>2400 MHz</u> <u>0.33uV/m</u>	"
Emission Sideband:	<u>2500 MHz</u> <u>0.36uV/m</u>	"

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

Maximum Frequency Variation: 2460 to 2466 MHz
(166V ~ 260V/ 3500 ml water load)

Maximum Frequency Variation: 2451 to 2471 MHz
(3500 ml - 700ml water load)

Total Power Input to Oven: 5490 watts

Power Developed in Dummy Load: 3366 watts

Supply Voltage: 208 Volts, 60Hz, 27.8A