

ACLAP3841

APPLICATION FOR CERTIFICATION

<u>MODEL NO.</u>	<u>FCC ID</u>
NE-C1153	ACLAP3841

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

ACLAP3841
EXHIBIT 1

TECHNICAL REPORT

1. DESCRIPTION OF MEASUREMENT FACILITY:

The description of the measurement facility is on file with the FCC laboratory. Please refer to the commission's reference 31010/EQU 4-3-0A.

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:

Panasonic Magnetron Laboratory
Panasonic Industrial Company
1707 N. Randall Road
Elgin, IL 60123-7847

7. EQUIPMENT IDENTIFICATION:

Model No. : NE-C1153
Brand Name : Panasonic
FCC ID : ACLAP3841

ACLAP3841
EXHIBIT 1A

7. EQUIPMENT SPECIFICATIONS:

Electrical Power Requirement: 208Vac, 60Hz, 18.8A

Nominal Operating Frequency: 2450 MHz

Maximum RF Energy Generated: 1100 W (IEC 705)

Magnetron Type: 2M167-M1 (2)

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

Stirrer: Stirrer Type`

Cabinet Dimensions: (W) 600 x (H) 385 x (D) 519 (mm)

Oven Cavity Dimensions: (W) 406 x (H) 217 x (D) 336 (mm)

Door Viewing Area Dimensions: (W) 345 x (H) 114 (mm)

Door Seal Type: Slit Choke seal and capacitive seal method

ACLAP3841
EXHIBIT 2

PHOTOGRAPHS OF EQUIPMENT

EXHIBIT 2-A: FRONT VIEW OF MODEL NE-C1153

EXHIBIT 2-B: FRONT VIEW OF MODEL NE-C1153 WITH THE DOOR OPENED

EXHIBIT 2-C1: LEFT SIDE VIEW OF MODEL NE-C1153

EXHIBIT 2-C2: LEFT SIDE VIEW OF MODEL NE-C1153 WITH ENCLOSURE REMOVED

EXHIBIT 2-D1: RIGHT SIDE VIEW OF MODEL NE-C1153

EXHIBIT 2-D2: RIGHT SIDE VIEW OF MODEL NE-C1153 WITH ENCLOSURE REMOVED

EXHIBIT 2-E1: REAR VIEW OF MODEL NE-C1153

EXHIBIT 2-E2: REAR VIEW OF MODEL NE-C1153 WITH ENCLOSURE REMOVED

EXHIBIT 2-F1: TOP VIEW OF MODEL NE-C1153

EXHIBIT 2-F2: TOP VIEW OF MODEL NE-C1153 WITH ENCLOSURE REMOVED

EXHIBIT 2-G: BOTTOM VIEW OF MODEL NE-C1153

EXHIBIT 2-H: VIEW OF MAGNETRON TYPE 2M167-M1

ACLAP3841
EXHIBIT 5A

REPORT OF MEASUREMENTS

1. MODEL NO.: NE-C1153

SERIAL NO. PP-000801

MAGNETRON TYPE NO.: 2M167-M1

2. MEASUREMENT DATE: 8/7/01

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

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

5. DATA SUMMARY:

Safety Check : <0.5 MW/cm²

Radiated Field Strength: (uV/m @ 300m)	Limit	
Fundamental: <u>2477 MHz</u>	<u>276.94uv/m</u>	N/A
2nd. Harmonic: <u>4932 MHz</u>	<u>0.82uv/m</u>	36.08
3rd. Harmonic: <u>8007 MHz</u>	<u>1.53uv/m</u>	"
4th. Harmonic: <u>10286 MHz</u>	<u>1.20uv/m</u>	"
Spurious: <u>2267 Mhz</u>	<u>0.74uv/m</u>	"
Emission Sideband: <u>2400 MHz</u>	<u>0.47uv/m</u>	"
Emission Sideband: <u>2500 MHz</u>	<u>1.02uv/m</u>	"
Greater than 4th. Harmonic	not measurable	

Maximum Frequency Variation:	<u>2476 to 2478 MHz</u>
(166V ~ 250V/ 1500 ml water load)	
Maximum Frequency Variation:	<u>2472 to 2477 MHz</u>
(1500 ml - 300ml water load)	
Total Power Input to Oven:	<u>2275 watts</u>
Power Developed in Dummy Load:	<u>1042 watts</u>
Supply Voltage:	<u>208 Volts, 60Hz, 11.7A</u>