

ACLAP5W01

APPLICATION FOR CERTIFICATION

<u>MODEL NO.</u>	<u>FCC ID</u>
NN-T993BF	ACLAP5W01
NN-T993SF	ACLAP5W01
NN-T993WF	ACLAP5W01
NN-T983BF	ACLAP5W01
NN-T983SF	ACLAP5W01
NN-T983WF	ACLAP5W01
NN-S963BF	ACLAP5W01
NN-S963SF	ACLAP5W01
NN-S963WF	ACLAP5W01
NN-S953BF	ACLAP5W01
NN-S953SF	ACLAP5W01
NN-S953WF	ACLAP5W01
NN-S943BF	ACLAP5W01
NN-S943SF	ACLAP5W01
NN-S943WF	ACLAP5W01
NN-S933BF	ACLAP5W01
NN-S933SF	ACLAP5W01
NN-S933WF	ACLAP5W01

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

ACLAP5W01
EXHIBIT 1-1

TECHNICAL REPORT

1. DESCRIPTION OF MEASUREMENT FACILITY:

The description of the measurement facility is already 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 LAB.,E-Zip E2J-16
1711 N. Randall Road
Elgin, Illinois 60123-7847

5. MANUFACTURER:

SHANGHAI MATSUSHITA MICROWAVE OVEN CO. LTD.
868 Long Dong Road
Pu Dong, Shanghai 201203 CHINA

6. MEASUREMENT SITE:

PANASONIC MAGNETRON LAB.
PANASONIC INDUSTRIAL COMPANY
1707 N. Randall Road
Elgin, Il 60123-7847

ACLAP5W01
EXHIBIT 1-2

7. EQUIPMENT IDENTIFICATION:

Model No. : NN-T993BF, NN-T993SF, NN-T993WF
Brand Name : Panasonic
FCC ID : ACLAP5W01

Model No. : NN-T983BF, NN-T983SF, NN-T983WF
Brand Name : Panasonic
FCC ID : ACLAP5W01

Model No. : NN-S963BF, NN-S963SF, NN-S963WF
Brand Name : Panasonic
FCC ID : ACLAP5W01

Model No. : NN-S953BF, NN-S953SF, NN-S953WF
Brand Name : Panasonic
FCC ID : ACLAP5W01

Model No. : NN-S943BF, NN-S943SF, NN-S943WF
Brand Name : Panasonic
FCC ID : ACLAP5W01

Model No. : NN-S933BF, NN-S933SF, NN-S933WF
Brand Name : Panasonic
FCC ID : ACLAP5W01

ACLAP5W01
EXHIBIT 1A

7. EQUIPMENT SPECIFICATIONS:

Electrical Power Requirement: 120V, 60Hz, 12.7A

Nominal Operating Frequency: 2450 MHz

Maximum RF Energy Generated: 1350 W (IEC 705)

Magnetron Type: 2M261-M32

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

Stirrer: Turntable Type

Cabinet Dimensions: (W) 606 x (H) 356 x (D) 493 (mm)

Oven Cavity Dimensions: (W) 469x (H) 278 x (D) 470 (mm)

Door Viewing Area Dimensions: (W) 369 x (H) 192 (mm)

Door Seal Type: Slit Choke seal and capacitive seal method

8. DESCRIPTION OF DIFFERENCES

Model No.	NN-T993 BF/SF/WF	NN-T983 BF/SF/WF	NN-S963 BF/SF/WF	NN-S953 BF/SF/WF	NN-S943 BF/SF/WF	NN-S933 BF/SF/WF
Input Power	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A	120Vac, 12.7A
Output Power	1350W	1350W	1350W	1350W	1300W	1300W
Magnetron	2M261-M32	2M261-M32	2M261-M32	2M261-M32	2M261-M32	2M261-M32
Brand	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic

ACLAP5W01
EXHIBIT 2

PHOTOGRAPHS OF EQUIPMENT

EXHIBIT 2-A: FRONT VIEW OF MODEL NN-S963WF

EXHIBIT 2-B: FRONT VIEW DOOR OPEN, MODEL NN-S963WF

EXHIBIT 2-C1: LEFT SIDE VIEW OF MODEL NN-S963WF

EXHIBIT 2-C2: LEFT SIDE VIEW OF MODEL NN-S963WF WITH ENCLOSURE REMOVED

EXHIBIT 2-D1: RIGHT SIDE VIEW OF MODEL NN-S963WF

EXHIBIT 2-D2: RIGHT SIDE VIEW OF MODEL NN-S963WF WITH ENCLOSURE REMOVED

EXHIBIT 2-E: REAR VIEW OF MODEL NN-S963WF

EXHIBIT 2-F1: TOP VIEW OF MODEL NN-S963WF

EXHIBIT 2-F2: TOP VIEW OF MODEL NN-S963WF, WITH ENCLOSURE REMOVED

EXHIBIT 2-G: BOTTOM VIEW OF MODEL NN-S963WF

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

EXHIBIT 2-I: VIEW OF DOOR CHOKE CONSTRUCTION ILLUSTRATING INTEGRAL CHOKE TYPE.

EXHIBIT 2-J: VIEW OF CONTROL CIRCUITRY

EXHIBIT 2-K: VIEW OF INVERTER POWER SUPPLY

ACLAP5W01
EXHIBIT 5A

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-S963WF
SERIAL NO. PP-00001
MAGNETRON TYPE NO.: 2M261-M32

2. MEASUREMENT DATE: 9/30/02

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

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

5. DATA SUMMARY:

Safety Check :	<u><0.5 MW/cm2</u>		
Radiated Field Strength:	(<u>uV/m @ 300m</u>)		Limit
Fundamental:	<u>2454 MHz</u>	<u>391.19uv/m</u>	N/A
2nd. Harmonic:	<u>4906 MHz</u>	<u>8.22uv/m</u>	35.64
3rd. Harmonic:	<u>7356 MHz</u>	<u>1.93uv/m</u>	"
4th. Harmonic:	<u>10160 MHz</u>	<u>1.35uv/m</u>	"
Spurious:	<u>2310 Mhz</u>	<u>1.10uv/m</u>	"
Emission Sideband:	<u>2400 MHz</u>	<u>0.37uv/m</u>	"
Emission Sideband:	<u>2500 MHz</u>	<u>2.57uv/m</u>	"

Greater than 4th. Harmonic not measurable

Maximum Frequency Variation: 2456 to 2459 MHz
(98V ~ 150V/ 1500 ml water load)

Maximum Frequency Variation: 2454 to 2461 MHz
(1500 ml - 300ml water load)

Total Power Input to Oven: 2112 watts

Power Developed in Dummy Load: 1016 watts

Supply Voltage: 120 Volts, 60Hz, 17.6A