

ACLAP5X01

APPLICATION FOR CERTIFICATION

<u>MODEL NO.</u>	<u>FCC ID</u>
NN-T793BF	ACLAP5X01
NN-T793SF	ACLAP5X01
NN-T793WF	ACLAP5X01
NN-T783BF	ACLAP5X01
NN-T783SF	ACLAP5X01
NN-T783WF	ACLAP5X01
NN-T783SAF	ACLAP5X01
NN-T783BAF	ACLAP5X01
NN-T763BF	ACLAP5X01
NN-T763SF	ACLAP5X01
NN-T763WF	ACLAP5X01
NN-S763BF	ACLAP5X01
NN-S763SF	ACLAP5X01
NN-S763WF	ACLAP5X01
NN-S753BF	ACLAP5X01
NN-S753SF	ACLAP5X01
NN-S753WF	ACLAP5X01
NN-S743BF	ACLAP5X01
NN-S743SF	ACLAP5X01
NN-S743WF	ACLAP5X01

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

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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

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EXHIBIT 1-2

7. EQUIPMENT IDENTIFICATION:

Model No. : NN-T793BF, NN-T793SF, NN-T793WF

Brand Name : Panasonic

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Model No. : NN-T783BF, NN-T783SF, NN-T783WF, NN-T783SAF, NN-T783SBF

Brand Name : Panasonic

FCC ID : ACLAP5X01

Model No. : NN-T763BF, NN-T763SF, NN-T763WF

Brand Name : Panasonic

FCC ID : ACLAP5X01

Model No. : NN-S763BF, NN-S763SF, NN-S763WF

Brand Name : Panasonic

FCC ID : ACLAP5X01

Model No. : NN-S753BF, NN-S753SF, NN-S753WF

Brand Name : Panasonic

FCC ID : ACLAP5X01

Model No. : NN-S743BF, NN-S743SF, NN-S743WF

Brand Name : Panasonic

FCC ID : ACLAP5X01

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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) 555 x (H) 304 x (D) 493 (mm)
Oven Cavity Dimensions: (W) 418x (H) 228 x (D) 470 (mm)
Door Viewing Area Dimensions: (W) 323 x (H) 140 (mm)
Door Seal Type: Slit Choke seal and capacitive seal method

8. DESCRIPTION OF DIFFERENCES

Model No.	NN-T793 BF/SF/WF	NN-T783 BF/SF/WF/SAF/SBF	NN-T763 BF/SF/WF	NN-S763 BF/SF/WF	NN-S753 BF/SF/WF	NN-S743 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	1300W	1350W	1350W	1300W
Magnetron	2M261-M32	2M261-M32	2M261-M32	2M261-M32	2M261-M32	2M261-M32
Brand	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic	Panasonic

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EXHIBIT 2

PHOTOGRAPHS OF EQUIPMENT

EXHIBIT 2-A: FRONT VIEW OF MODEL NN-S763WF

EXHIBIT 2-B: FRONT VIEW DOOR OPEN, MODEL NN-S763WF

EXHIBIT 2-C1: LEFT SIDE VIEW OF MODEL NN-S763WF

EXHIBIT 2-C2: LEFT SIDE VIEW OF MODEL NN-S763WF WITH ENCLOSURE REMOVED

EXHIBIT 2-D1: RIGHT SIDE VIEW OF MODEL NN-S763WF

EXHIBIT 2-D2: RIGHT SIDE VIEW OF MODEL NN-S763WF WITH ENCLOSURE REMOVED

EXHIBIT 2-E: REAR VIEW OF MODEL NN-S763WF

EXHIBIT 2-F1: TOP VIEW OF MODEL NN-S763WF

EXHIBIT 2-F2: TOP VIEW OF MODEL NN-S763WF, WITH ENCLOSURE REMOVED

EXHIBIT 2-G: BOTTOM VIEW OF MODEL NN-S763WF

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

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EXHIBIT 5A

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-S763WF
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>276.94uv/m</u>	N/A
2nd. Harmonic:	<u>4905 MHz</u>	<u>5.19uv/m</u>	36.76
3rd. Harmonic:	<u>7001 MHz</u>	<u>1.22uv/m</u>	"
4th. Harmonic:	<u>9788 MHz</u>	<u>1.20uv/m</u>	"
Spurious:	<u>2337 Mhz</u>	<u>0.62uv/m</u>	"
Emission Sideband:	<u>2400 MHz</u>	<u>0.59uv/m</u>	"
Emission Sideband:	<u>2500 MHz</u>	<u>0.41uv/m</u>	"

Greater than 4th. Harmonic not measurable

Maximum Frequency Variation: 2455 to 2460 MHz
(98V ~ 150V/ 1500 ml water load)

Maximum Frequency Variation: 2453 to 2461 MHz
(1500 ml - 300ml water load)

Total Power Input to Oven: 2040 watts

Power Developed in Dummy Load: 1082 watts

Supply Voltage: 120 Volts, 60Hz, 17.0A