

APPLICATION FOR CERTIFICATION

ACLAP5U41

<u>MODEL NO.</u>	<u>FCC ID</u>
NN-MX26BF	ACLAP5U41
NN-MX26MF	ACLAP5U41
NN-MX26WF	ACLAP5U41

LIST OF EXHIBITS

- EXHIBIT 1: TECHNICAL REPORT
- EXHIBIT 2: PHOTOGRAPHS OF MAGNETRON AND COMPONENTS
- EXHIBIT 3: SAMPLES 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

ACLAP5U41  
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

7. EQUIPMENT IDENTIFICATION

Model No. : NN-MX26BF, NN-MX26MF, NN-MX26WF  
Brand Name : Panasonic  
FCC ID : ACLAP5U41

ACLAP5U41  
EXHIBIT 1A

7. EQUIPMENT SPECIFICATIONS:

Electrical Power Requirement: 120V, 60Hz, 12.4A  
Nominal Operating Frequency: 2450 MHz  
Maximum RF Energy Generated: 900 W (IEC 705)  
Magnetron Type: 2M210-M1  
Feed Type and Location: Through the wave guide on the right sidewall of the oven.  
Stirrer: Turntable Type  
Cabinet Dimensions: (W) 482 x (H) 282 x (D) 357 (mm)  
Oven Cavity Dimensions: (W) 325 x (H) 218 x (D) 330 (mm)  
Door Viewing Area Dimensions: (W) 204 x (H) 102 (mm)  
Door Seal Type: Slit Choke seal and capacitive seal method

8. DESCRIPTION OF DIFFERENCES

Model No.	NN-MX26 BF/MF/WF
Input Power	120Vac, 12.4A
Output Power	900W
Magnetron	2M210-M1
Brand	Panasonic

ACLAP5U41  
EXHIBIT 2

PHOTOGRAPHS OF EQUIPMENT

EXHIBIT 2-A: FRONT VIEW OF MODEL NN-MX26BF

EXHIBIT 2-B: FRONT VIEW DOOR OPEN, MODEL NN-MX26BF

EXHIBIT 2-C1: LEFT SIDE VIEW OF MODEL NN-MX26BF

EXHIBIT 2-C2: LEFT SIDE VIEW OF MODEL NN-MX26BF WITH ENCLOSURE REMOVED

EXHIBIT 2-D1: RIGHT SIDE VIEW OF MODEL NN-MX26BF

EXHIBIT 2-D2: RIGHT SIDE VIEW OF MODEL NN-MX26BF WITH ENCLOSURE REMOVED

EXHIBIT 2-E: REAR VIEW OF MODEL NN-MX26BF

EXHIBIT 2-F1: TOP VIEW OF MODEL NN-MX26BF

EXHIBIT 2-F2: TOP VIEW OF MODEL NN-MX26BF WITH ENCLOSURE REMOVED

EXHIBIT 2-G: BOTTOM VIEW OF MODEL NN-MX26BF

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

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

EXHIBIT 2-J: VIEW OF CONTROL CIRCUITRY, MODEL NN-MX26BF

ACLAP5U41  
EXHIBIT 5A

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-MX26BF  
SERIAL NO. PP-00001  
MAGNETRON TYPE NO.: 2M210-M1

2. MEASUREMENT DATE: 9/12/02

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>&lt;0.5 MW/cm2</u>		
Radiated Field Strength:	( <u>uV/m @ 300m</u> )		Limit
Fundamental:	<u>2466 MHz</u>	<u>1960.61uv/m</u>	N/A
2nd. Harmonic:	<u>4935 MHz</u>	<u>5.79uv/m</u>	32.27
3rd. Harmonic:	<u>7397 MHz</u>	<u>3.85uv/m</u>	"
4th. Harmonic:	<u>9875 MHz</u>	<u>4.88uv/m</u>	"
Spurious:	<u>2330 Mhz</u>	<u>0.39uv/m</u>	"
Emission Sideband:	<u>2400 MHz</u>	<u>0.93uv/m</u>	"
Emission Sideband:	<u>2500 MHz</u>	<u>0.26uv/m</u>	"

Greater than 4th. Harmonic not measurable

Maximum Frequency Variation: 2465 to 2467 MHz  
(98V ~ 150V/ 1000 ml water load)

Maximum Frequency Variation: 2463 to 2470 MHz  
(1000 ml - 200ml water load)

Total Power Input to Oven: 1884 watts

Power Developed in Dummy Load: 833 watts

Supply Voltage: 120 Volts, 60Hz, 15.7A