APPLICATION FOR CERTIFICATION MODEL FAMILY ACLAP6H61

| MODEL NO. | FCC ID |
|---|---|
| NN-P794BF/SF/WF | ACLAP6H61 |
| NN-T794BF/SF/WF | ACLAP6H61 |
| NN-T784BF/SF/WF | ACLAP6H61 |
| NN-T774BF/SF/WF | ACLAP6H61 |
| NN-T764BF/SF/WF | ACLAP6H61 |
| NN-T754BF/SF/WF | ACLAP6H61 |
| NN-H764BF/SF/WF | ACLAP6H61 |
| NN-S754BF/SF/WF | ACLAP6H61 |
| NN-H744BF/SF/WF | ACLAP6H61 |
| NN-S744BF/SF/WF | ACLAP6H61 |
| NN-H724BF/SF/WF | ACLAP6H61 |
| NN-S724BF/SF/WF | ACLAP6H61 |

LIST OF EXHIBITS

EXHIBIT 1: TECHNICAL REPORT

EXHIBIT 2: PHOTOGRAPHS OF MAGNETRON AND COMPONENTS

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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

ACLAP6H61
EXHIBIT 1-1A

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 HOME APPLIANCE COMPANY,
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

**ACLAP6H61**
**EXHIBIT 1-1B**

**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 registration number 98856, Anechoic Chamber #1, NVLAP Lab Code 2004471-0**

**2. INSTALLATION INSTRUCTIONS:**

**See EXHIBIT 7.**

**3. OPERATING INSTRUCTIONS:**

**See EXHIBIT 8.**

**4. APPLICANT:**

**MATSUSHITA HOME APPLIANCE COMPANY,**
**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:**

**SAMSUNG ELECTRONICS CO.LTD.**
**416 Maetan 3 Dong, Young Tong-Ku**
**Suwon City, Kyungki Do, Korea 443-742**

ACLAP6H61
EXHIBIT 1-2

7. EQUIPMENT IDENTIFICATION:

Model No. : NN-P794BF, NN-P794SF, NN-P794WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-T794BF, NN-T794SF,NN-T794WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-T784BF, NN-T784SF,NN-T784WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-T774BF, NN-T774SF,NN-T774WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-T764BF, NN-T764SF,NN-T764WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-T754BF, NN-T754SF,NN-T754WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-H764BF, NN-H764SF,NN-H764WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-S754BF, NN-S754SF,NN-S754WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-H744BF, NN-H744SF,NN-H744WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-S744BF, NN-S744SF,NN-S744WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-H724BF, NN-H724SF,NN-H724WF
Brand Name : Panasonic
FCC ID : ACLAP6H61

Model No. : NN-S724BF, NN-S724SF,NN-S724WF

Brand Name : Panasonic
FCC ID : ACLAP6H61

ACLAP6H61
EXHIBIT 1A

7. EQUIPMENT SPECIFICATIONS:

Electrical Power Requirement: 120V, 60Hz, 12.7A
Nominal Operating Frequency: 2450 MHz
Maximum RF Energy Generated: 1250 W (IEC 705)
Magnetron Type: 2M261-M32, **or 0M75PI(21)**
Feed Type and Location: Through the wave guide on the right sidewall of the oven.
Stirrer: Turntable Type
Cabinet Dimensions: (W) 518 x (H) 301 x (D) 404 (mm)
Oven Cavity Dimensions: (W) 375 x (H) 225 x (D) 386 (mm)
Door Viewing Area Dimensions: (W) 296 x (H) 153 (mm)
Door Seal Type: Slit Choke seal and capacitive seal method

8. DESCRIPTION OF DIFFERENCES

| Model No. | NN-P794 BF/SF/WF | NN-T794 BF/SF/WF | NN-T784 BF/SF/WF | NN-T774 BF/SF/WF | NN-T764 BF/SF/WF | NN-T754 BF/SF/WF | NN-H764 BF/SF/WF |
|---|---|---|---|---|---|---|---|
| Input Power | 120Vac, 12.7A | 120Vac, 12.7A | 120Vac, 12.7A | 120Vac, 12.7A | 120Vac, 12.7A | 120Vac, 12.7A | 120Vac, 12.7A |
| Output Power | 1250W | 1250W | 1250W | 1250W | 1250W | 1250W | 1250W |
| Magnetron | Matsushita 2M261-M32 | Matsushita 2M261-M32 | Matsushita 2M261-M32 | Matsushita 2M261-M32 | Matsushita 2M261-M32 | Matsushita 2M261-M32 | Matsushita 2M261-M32 |
| **Alternate Magnetron** | **Samsung OM-75PI(21)** | **Samsung OM-75PI(21)** | **Samsung OM-75PI(21)** | **Samsung OM-75PI(21)** | **Samsung OM-75PI(21)** | **Samsung OM-75PI(21)** | **Samsung OM-75PI(21)** |
| Brand | Panasonic | Panasonic | Panasonic | Panasonic | Panasonic | Panasonic | Panasonic |

| Model No. | NN-S754 BF/SF/WF | NN-H744 BF/SF/WF | NN-S744 BF/SF/WF | NN-H724 BF/SF/WF | NN-S724 BF/SF/WF |
|---|---|---|---|---|---|
| Input Power | 120Vac, 12.7A | 120Vac, 12.7A | 120Vac, 12.7A | 120Vac, 12.7A | 120Vac, 12.7A |
| Output Power | 1250W | 1250W | 1250W | 1200W | 1200W |
| Magnetron | Matsushita 2M261-M32 | Matsushita 2M261-M32 | Matsushita 2M261-M32 | Matsushita 2M261-M32 | Matsushita 2M261-M32 |
| **Alternate Magnetron** | **Samsung OM-75PI(21)** | **Samsung OM-75PI(21)** | **Samsung OM-75PI(21)** | **Samsung OM-75PI(21)** | **Samsung OM-75PI(21)** |
| Brand | Panasonic | Panasonic | Panasonic | Panasonic | Panasonic |

ACLAP6H61
EXHIBIT 2

PHOTOGRAPHS OF EQUIPMENT

EXHIBIT 2-A: FRONT VIEW OF MODEL NN-S754BF

EXHIBIT 2-B: FRONT VIEW DOOR OPEN, MODEL NN-S754BF

EXHIBIT 2-C1: LEFT SIDE VIEW OF MODEL NN-S754BF
EXHIBIT 2-C2: LEFT SIDE VIEW OF MODEL NN-S754BF WITH ENCLOSURE REMOVED

EXHIBIT 2-D1: RIGHT SIDE VIEW OF MODEL NN-S754BF
EXHIBIT 2-D2: RIGHT SIDE VIEW OF MODEL NN-S754BF WITH ENCLOSURE REMOVED

EXHIBIT 2-E:REAR VIEW OF MODEL NN-S754BF

EXHIBIT 2-F1: TOP VIEW OF MODEL NN-S754BF
EXHIBIT 2-F1: TOP VIEW OF MODEL NN-S754BF WITH ENCLOSURE REMOVED

EXHIBIT 2-G: BOTTOM VIEW OF MODEL NN-S754BF

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

**EXHIBIT 2-L VIEW OF MAGNETRON OM75PI(21)**

ACLAP6K51
EXHIBIT 5A-1

REPORT OF MEASUREMENTS

1. MODEL NO.: NN-754WF
SERIAL NO. PP-0002
MAGNETRON TYPE NO.: 2M261-M32

2. MEASUREMENT DATE: 11/07/03

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 : | <0.5 MW/cm2 | | |
| Radiated Field Strength: | | ( uV/m @ 300m ) | Limit |
| Fundamental: | 2454 MHz | 620.0uv/m | N/A |
| 2nd. Harmonic: | 4906 MHz | 13.03uv/m | 36.63 |
| 3rd. Harmonic: | 7027 MHz | 2.43uv/m | " |
| 4th. Harmonic: | 9811 MHz | 1.91uv/m | " |
| Spurious: | 2572 Mhz | 0.62uv/m | " |
| Emission Sideband: | 2400 MHz | 0.59uv/m | " |
| Emission Sideband: | 2500 MHz | 0.26uv/m | " |

Greater than 4th. Harmonic not measurable

Maximum Frequency Variation: 2458 to 2460 MHz
(96V ~ 150V/ 1500 ml water load)

Maximum Frequency Variation: 2458 to 2462 MHz
(1500 ml - 300ml water load)

Total Power Input to Oven: 2028 watts

Power Developed in Dummy Load: 1074 watts

Supply Voltage: 120 Volts, 60Hz, 16.9A

**ACLAP6H61**
**EXHIBIT 5B**

**REPORT OF MEASUREMENTS**

**1. MODEL NO.: NN-H764WF**
**SERIAL NO. N/A**
**MAGNETRON TYPE NO.: OM75PI(21)**

**2. MEASUREMENT DATE: 12/30/03**

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

**4. INVESTIGATED FREQUENCY RANGE: 100Mhz to 7th Harmonic**
**5. DATA SUMMARY:**

| | | | |
|---|---|---|---|
| **Safety Check :** | **<0.1 MW/cm2** | | |
| **Radiated Field Strength:** | | **( uV/m @ 300m )** | **Limit** |
| **Fundamental:** | **2455 MHz** | **26262.77uv/m** | **N/A** |
| | **1921 MHz** | **0.53uv/m** | **31.59** |
| | **2088 MHz** | **0.24uv/m** | **"** |
| | **2240 MHz** | **0.96uv/m** | **"** |
| **2nd. Harmonic:** | **4605 MHz** | **1.07uv/m** | **"** |
| **2nd. Harmonic:** | **4904 MHz** | **1.95uv/m** | **"** |
| **3rd. Harmonic:** | **7353 MHz** | **3.51uv/m** | **"** |
| **4th. Harmonic:** | **9795 MHz** | **2.35uv/m** | **"** |
| **5th. Harmonic:** | **12251 Mhz** | **0.66uv/m** | **"** |
| **6th. Harmonic:** | **14410 Mhz** | **2.54uv/m** | **"** |
| **7th. Harmonic:** | **17147 Mhz** | **1.74uv/m** | **"** |
| **Emission Sideband:** | **2396 MHz** | **7.79uv/m** | **"** |
| **Emission Sideband:** | **2503 MHz** | **2.88uv/m** | **"** |
| **Greater than 7th. Harmonic** | **not measurable** | | |

**Maximum Frequency Variation: 2452 to 2456 MHz**
**(96V ~ 150V/ 1000 ml water load)**

**Maximum Frequency Variation: 2446 to 2464.7 MHz**
**(1000 ml - 200ml water load)**

**Total Power Input to Oven: 1549 watts**

**Power Developed in Dummy Load: 1154.6 watts**

**Supply Voltage: 120 Volts, 60Hz, 12.99A**