

PANASONIC HOME APPLIANCE COMPANY of AMERICA,  
MICROWAVE TECHNICAL LABORATORY

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## PHAA

January 8, 2007

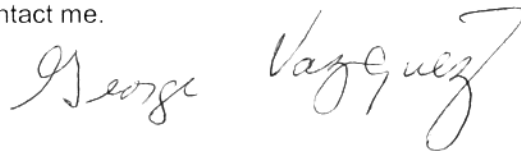
Federal Communications Commission  
Equipment Authorization Branch  
7435 Oakland Mills Road  
Columbia, MD 21046

SUBJECT: FILING FOR RE-CERTIFICATION – CLASS II PERMISSIVE CHANGES, GRANTEE CODE ACL.

We are sending application for models previously granted certification on 08/19/1996, under FCC Identifier ACLAP3700. The new submission is filed under the Class II, permissive changes provision. The main purpose for re-filing is a change in the manufacturing origin, from Taiwan to China. For a quick reference to all of the exhibits submitted, please reference the following pages below in the Application Index and Summary.

If there are any questions pertaining to this application, please contact me.

Sincerely,



George Vazquez  
Engineer, Codes & Safety

Cc: S. Yamashita

**FCC ID: ACLAP3700**  
**APPLICATION INDEX AND SUMMARY**

**APPLICATION FOR RE-CERTIFICATION**

<b>MODEL NO.</b>	<b>FCC ID.</b>	<b>Previously Granted Date</b>
NE-1064F	ACLAP3700	8/19/1996
NE-1054F	ACLAP3700	8/19/1996
NE-1024F	ACLAP3700	8/19/1996

**LIST OF EXHIBITS**

- EXHIBIT 1: TECHNICAL REPORT
- EXHIBIT A: PHOTOGRAPHS OF EQUIPMENT
- EXHIBIT B: TEST SETUP PHOTOS
- EXHIBIT C: SCHEMATIC DIAGRAM
- EXHIBIT D: USERS MANUAL
- EXHIBIT E: SAMPLE AND LOCATION OF FCC ID LABEL
- EXHIBIT F: TEST REPORT

**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 382179.

2. USERS MANUAL:

Reference: EXHIBIT D

3. APPLICANT:

PANASONIC HOME APPLIANCE COMPANY of AMERICA,  
MICROWAVE TECHNICAL LAB., E-Zip E2J-16  
1707 N. Randall Road  
Elgin, Illinois 60123-7847

5. MANUFACTURER:

PANASONIC HOME APPLIANCES MICROWAVE OVEN SHANGHAI COMPANY LTD. (PHAMOS)  
898 Long Dong Road  
Pu Dong, Shanghai 201203 CHINA

6. MEASUREMENT SITE :

FCC Registration Number 382179  
Bay Area Compliance Laboratory Corp.  
6/F, the 3<sup>rd</sup> Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone  
Shenzhen, Guangdong, China 518038

7. EQUIPMENT SPECIFICATIONS:

Electrical Power Requirement: 120V, 60Hz, 13.4A  
Nominal Operating Frequency: 2450 MHz  
Maximum RF Energy Generated: 1000 W (IEC 705)  
Magnetron Type: 2M244-M1  
Feed Type and Location: Through the wave guide on the right sidewall of the oven.  
Stirrer: Bottom Feed Stirrer  
Cabinet Dimensions: (W) 510 x (H) 306 x (D) 360 (mm)  
Oven Cavity Dimensions: (W) 330 x (H) 205 x (D) 330 (mm)  
Door Viewing Area Dimensions: (W) 275 x (H) 155 (mm)  
Door Seal Type: Slit Choke seal and capacitive seal method

8. EQUIPMENT IDENTIFICATION AND DESCRIPTION OF DIFFERENCES:

MODEL NO.	FCC ID.	CONTROL PANEL
NE-1064F	ACLAP3700	Touch Keypad
NE-1054F	ACLAP3700	Touch Keypad
NE-1024F	ACLAP3700	Mechanical Timer

The models in this report are similar to previously submitted models with the grant issued 8/19/1996. The only difference will be that the models will no longer be manufactured in Taiwan the models will be manufacture in China.

**PHOTOGRAPHS OF EQUIPMENT**

External: Reference EXHIBIT A

Internal: Reference EXHIBIT A

**EXHIBIT F**

**TEST REPORT SUMMARY**

1. MODEL NO.: NE-1024E

SERIAL NO.: PP-07005

MAGNETRON TYPE NO.: 2M244-M1

2. MEASUREMENT DATE: 12/14/06

3. TEST REPORT: Reference EXHIBIT F

4. TEST SETUP PHOTOS: Reference EXHIBIT B

5. INVESTIGATED FREQUENCY RANGE: 30 MHz to 24.5GHz

6. TEST DATA SUMMARY:

Safety Check (Radiation Hazard Measurement): < 0.69 mW/cm<sup>2</sup> @ 5cm.

Radiated Field Strength		(dB $\mu$ V/m @ 300m)	Limit (dB $\mu$ V/m)	Margin (dB)
Fundamental	2450 MHz	128.84	N/A	N/A
2nd. Harmonic	4900 MHz	54.98	70.90	15.92
3rd. Harmonic	7350 MHz	61.52	" "	9.38
Spurious	2192.43 MHz	38.32	" "	32.58
Spurious	2753.25 MHz	39.73	" "	31.17

Greater than 3rd Harmonic not measurable

Maximum Frequency Variation: 2457 MHz to 2461 MHz  
(96V ~ 150V/ 1000 ml water load)

Maximum Frequency Variation: 2459 MHz to 2461 MHz  
(1000 ml - 200ml water load)

Total Power Input to Oven: 1420 watts

Power Developed in Dummy Load: 987 watts

Supply Voltage: 120 Volts, 60Hz, 13.4A