PANASONIC HOME APPLIANCE COMPANY of AMERICA,
MICROWAVE TECHNICAL LABORATORY

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PHAA

January 26, 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 01/05/2005, under FCC Identifier ACLAP7D01.The new submission is filed under the Class II, permissive changes provision.
The main purpose for re-filing is the application for the use of a new Inverter power supply . For a quick reference to all of the exhibits submitted, please reference the Application Index and Summary on the following pages.

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

Sincerely,

George Vazquez

George Vazquez
Engineer, Codes & Safety

Cc: S. Yamashita

FCC ID: ACLAP7D01
APPLICATION INDEX AND SUMMARY

APPLICATION FOR RE-CERTIFICATION

MODEL NO.	FCC ID
NN-SD667S	ACLAP7D01
NN-SN677S	ACLAP7D01
NN-SD697S	ACLAP7D01
NN-SN657S	ACLAP7D01
NN-SA647B	ACLAP7D01
NN-SA647W	ACLAP7D01
NN-SN676SX	ACLAP7D01
NN-T664SFXT	ACLAP7D01
NN-T664SFX	ACLAP7D01
NN-SD696SX	ACLAP7D01
NN-H665BFXB	ACLAP7D01
NN-SN667B	ACLAP7D01
NN-SN667W	ACLAP7D01
NN-SN667BB	ACLAP7D01
NN-SN667MB	ACLAP7D01

LIST OF EXHIBITS

EXHIBIT A: TECHNICAL REPORT

EXHIBIT B: PHOTOGRAPHS OF EQUIPMENT

EXHIBIT C: SAMPLE AND LOCATION OF FCC ID LABEL

EXHIBIT D: SCHEMATIC DIAGRAM

EXHIBIT E: TEST REPORT

EXHIBIT F: TEST SETUP PHOTOS

EXHIBIT G: USERS MANUAL

FCC ID: ACLAP7D01
EXHIBIT: A

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 142171.

2. OPERATING INSTRUCTIONS:
   Reference: EXHIBIT G

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 142171
   SIMT EMC LAB
   716 Yi Shan Road
   Shanghai City, 200233 China

7. EQUIPMENT SPECIFICATIONS:
   Electrical Power Requirement: 120V, 60Hz, 12.7A
   Nominal Operating Frequency: 2450 MHz
   Maximum RF Energy Generated: 1300 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) 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

   The models in this report are similar to previously submitted models with the grant issued 01/05/2005. The only difference will be that the models will utilize a new Inverter Power Supply.

EXHIBIT: B

PHOTOGRAPHS OF EQUIPMENT

External: Reference EXHIBIT B
Internal: Reference EXHIBIT B

FCC ID: ACLAP7D01
EXHIBIT: E

TEST REPORT SUMMARY: Radiated Emissions

1. MODEL NO.: NN-SN667

SERIAL NO.: PP07003

MAGNETRON TYPE NO.: 2M261-M32

2. MEASUREMENT DATE: 12/18/06

3. TEST REPORT: Reference EXHIBIT E

4. TEST SETUP PHOTOS: Reference EXHIBIT F

5. INVESTIGATED FREQUENCY RANGE: 100 MHz to 5th Harmonic

6. TEST DATA SUMMARY:

Safety Check : <0.2054 MW/cm2

Radiated Field Strength		(dBµV/m @ 300m)	Limit (DbµV/m)	Margin (dB)
2nd. Harmonic	4896.2 MHz	10.79	36.92	26.13
3rd. Harmonic	7368.1 MHz	22.94	" "	13.98
4th. Harmonic	9816.8 MHz	9.52	" "	27.40
5th. Harmonic	12266.3 MHz	30.10	" "	6.82
Spurious	6518.1 MHz	34.00	" "	2.92
Emission Sideband	2201.1 MHz	16.44	" "	20.48
Emission Sideband	2710.8 MHz	27.10	" "	9.82

Greater than 5th Harmonic not measurable

Maximum Frequency Variation: 2437.1 to 2459.82 MHz
(96V ~ 150V/ 1500 ml water load)

Maximum Frequency Variation: 2433.9 to 2461.06 MHz
(1500 ml - 300ml water load)

Total Power Input to Oven: 1527 watts

Power Developed in Dummy Load: 1090 watts

Supply Voltage: 120 Volts, 60Hz, 12.73A

FCC ID: ACLAP7D01
EXHIBIT: E

TEST REPORT SUMMARY: Line Conductance

1. MODEL NO.: NN-SN667

SERIAL NO.: PP07003

MAGNETRON TYPE NO.: 2M261-M32

2. MEASUREMENT DATE: 12/18/06

3. TEST REPORT: Reference EXHIBIT E

4. TEST SETUP PHOTOS: Reference EXHIBIT F

5. INVESTIGATED FREQUENCY RANGE: 150 kHz to 30 MHz

6. TEST DATA SUMMARY:
Selected Peak Readings (Reference Spectrum Analyzer plot EXHIBIT E for complete readings).

Power Line Live Side

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta db
14.307	36.70	60.00	23.30
17.268	46.70	" "	13.30
21.691	37.30	" "	22.70
21.781	36.30	" "	23.70
22.344	38.60	" "	21.40
24.261	42.50	" "	17.50
Frequency MHz	**AV Level dBµV**	**AV Limit dBµV**	**AV Delta db**
0.181	30.70	54.40	23.70
0.226	26.20	52.60	26.40
0.271	25.80	51.10	25.30
0.505	19.80	46.00	26.20
17.340	40.00	50.00	10.00
24.544	32.50	" "	17.50

Power Line Neutral Side

Frequency MHz	QP Level dBµV	QP Limit dBµV	QP Delta db
17.047	43.00	60.00	17.00
20.229	37.00	" "	23.00
20.620	38.30	" "	21.70
20.706	38.50	" "	21.50
20.787	38.10	" "	21.90
24.148	41.30	" "	18.70
Frequency MHz	**AV Level dBµV**	**AV Limit dBµV**	**AV Delta db**
0.159	27.70	55.50	27.80
0.240	19.30	52.10	32.80
0.361	19.20	48.70	29.50
0.685	17.00	46.00	29.00
16.908	35.00	50.00	15.00
24.409	31.10	" "	18.90