JAPAN QUALITY ASSURANCE ORGANIZATION
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EMI TEST REPORT

JQA File No.	: **441-50212**
Model No.	: NN-C994S
Type of Equipment	: Microwave Convection Oven
Regulations Applied	: CFR 47 FCC Rules and Regulations Part 18
FCC ID	: ACLAP6E01
Applicant	: Matsushita Electric Industrial Co., Ltd. Microwave Oven Business Unit
Address	: 800, Tsutsui-cho, Yamatokoriyama, Nara, 639-1188 Japan
Manufacturer	: Matsushita Electric Industrial Co., Ltd. Microwave Oven Business Unit
Address	: 800, Tsutsui-cho, Yamatokoriyama, Nara, 639-1188 Japan
Received date of EUT	: June 6, 2005
Final Judgment	: **Passed**

TEST RESULTS IN THIS REPORT are obtained in use of equipment that is traceable to National Institute of Advanced Industrial Science and Technology (AIST) of Japan and National Institute of Information and Communications Technology (NICT) of Japan.

The test results only responds to the tested sample.
THIS REPORT should not be reproduced, except in full, without the approval of the JQA Safety & EMC Center EMC Engineering Department TSURU EMC Branch.

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1. DOCUMENTATION

1.1 TEST REGULATION

FCC Rules and Regulations Part 18 Subpart A and C (July 10,2002).

Test procedure :

AC Powerline Conducted Emission and Radiated Emission were performed according to the procedures in FCC/OST MP-5(1985).

1.2 GENERAL INFORMATION

1.2.1 Test facility :

1) Test Facility located at JQA Safety & EMC Center EMC Engineering Department TSURU EMC Branch:
Open Site No.1, No.2, An Anechoic Chamber (3 m and 10 m, on common plane)and a Shielded Room
FCC Registration Number: 342182 (Date of Listing : March 30, 2005)

2) JQA Safety & EMC Center EMC Engineering Department TSURU EMC Branch is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance established in title 15, Part 285 Code of Federal Regulations.
NVLAP Lab Code : 200192-0 (Effective through : June 30, 2005)

1.2.2 Description of the Equipment Under Test (EUT) :

1) Type of Equipment	: Microwave Convection Oven
2) Product Type	: Pre-production
3) Category	: Industrial, Scientific and Medical Equipment
4) EUT Authorization	: Verification
5) FCC ID	: ACLAP6E01
6) Trade Name	: Panasonic
7) Model No.	: NN-C994S
8) Serial No.	: 6B35160003
9) Fundamental Frequency /Operated Frequency	: 4 MHz, 8 MHz, 2450 MHz
10) Highest Frequency Used in the EUT	: 2450 MHz
11) Date of Manufacture	: March 2005
12) Power Rating	: 120VAC 60Hz
13) EUT Grounding	: Grounded at the plug end of powerline cord
14) Magnetron	: Matsushita 2M236

1.2.3 Definitions for symbols used in this test report :

X - indicates that the listed condition, standard or equipment is applicable for this report.

___ - indicates that the listed condition, standard or equipment is not applicable for this report.

1.4 EUT MODIFICATION / Deviation from Standard

1.4.1 EUT Modification

_X_ - No modifications were conducted by JQA to achieve compliance to the limitations.
___ - To achieve compliance to the limitations, the following changes were made by JQA during the compliance test.

The modifications will be implemented in all production models of this equipment.

Applicant : _____ Date : _____

Typed Name : _____ Position : _____

1.4.2 Deviation from Standard:

_X_ - No deviations from the standard described in clause 1.1.
___ - The following deviations were employed from the standard described in clause 1.1:

_____

_____

1.5 TEST RESULTS / UNCERTAINTY

AC Powerline Conducted Emissions:

X - Applicable **___- NOT Applicable** **___- NOT Tested**

The requirements are **X - PASSED** **___- NOT PASSED**

Min. Limit Margin 0.5 dB at 0.15 MHz

Max. Limit Exceeding 2.6 dB at 0.15 MHz

Uncertainty of Measurement Results ± 2.4 dB(2s)

Remarks : The measurement results is below the specification limit by a margin less than the measurement uncertainty; it is therefore not possible to state compliance based on the 95 % level of confidence. However, the result indicates that compliance is more probable than non-compliance with the specification limit.

Radiated Emissions(Magnetic field):

___- Applicable **___- NOT Applicable** **X - NOT Tested**

The requirements are **___- PASSED** **___- NOT PASSED**

Min. Limit Margin ___ dB at ___ MHz

Max. Limit Exceeding ___ dB at ___ MHz

Uncertainty of Measurement Results ± 3.5 dB(2s)

Remarks : _____

Radiated Emission:

___- **Applicable** ___- **NOT Applicable** _X_ - **NOT Tested**

The requirements are ___- **PASSED** ___- **NOT PASSED**

Min. Limit Margin ____ dB at ____ MHz

Max. Limit Exceeding ____ dB at ____ MHz

Uncertainty of Measurement Results

___- Anechoic Chamber

___- 3 meters

30-300 MHz	± 3.8 dB(2s)
300 - 1000 MHz	± 4.7 dB(2s)

___- 10 meters

30-300 MHz	± 3.7 dB(2s)
300 - 1000 MHz	± 3.6 dB(2s)

___- Open Site

___- 3 meters

30-300 MHz	± 4.0 dB(2s)
300 - 1000 MHz	± 4.8 dB(2s)

___- 10 meters

30-300 MHz	± 4.0 dB(2s)
300 - 1000 MHz	± 3.7 dB(2s)

Remarks : _____

1.6 SUMMARY

General Remarks :

The EUT was tested according to the requirements of FCC Rules and Regulations Part 18 Subpart A and C (July 10,2002) under the test configuration, as shown in clause 1.7 to 1.10.
The conclusion for the test items of which are required by the applied regulation is indicated under the final judgment.

Final Judgment :

The "as received" sample;

_X_ - fulfill the test requirements of the regulation mentioned on clause 1.1.

___- fulfill the test requirements of the regulation mentioned on clause 1.1, but with certain qualifications.

___- doesn't fulfill the test regulation mentioned on clause 1.1.

Begin of testing: June 7, 2005

End of testing : June 7, 2005

- JAPAN QUALITY ASSURANCE ORGANIZATION -

EMI Tested by:

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TSURU EMC Branch
JQA EMC Engineering Dept.

Issued / Approved by:

Takaharu Hada
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TSURU EMC Branch
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