

## TABLE OF CONTENTS

Page

|            |                                          |          |
|------------|------------------------------------------|----------|
| <b>1.0</b> | <b>ENGINEERING TEST REPORT</b>           | <b>3</b> |
| <b>2.0</b> | <b>INTRODUCTION</b>                      |          |
| 2.1        | Purpose-----                             | 5        |
| 2.2        | Requirement-----                         | 5        |
| 2.3        | Short Description of the EUT-----        | 6        |
| 2.4        | Equipment Under Test-----                | 6        |
| 2.5        | Environmental Conditions-----            | 6        |
| <b>3.0</b> | <b>TEST SITE DESCRIPTION</b>             | <b>7</b> |
| <b>4.0</b> | <b>TEST INSTRUMENTATION</b>              |          |
|            | Table 4-1-----                           | 8        |
| <b>5.0</b> | <b>TEST EUT SETUP AND CONFIGURATIONS</b> |          |
| 5.1        | Radiated -----                           | 9 - 11   |
| 5.2        | Test System Details-----                 | 12       |
| <b>6.0</b> | <b>TEST PROCEDURES AND RESULTS</b>       |          |
| 6.1        | Safety Check-----                        | 13       |
| 6.2        | Radiated Field Strength-----             | 13       |
| 6.2.1      | Test Data-----                           | 13       |
| 6.2.2      | Test Data-----                           | 14       |
| 6.2.3      | Photograph-----                          | 15       |
| 6.2.4      | Photograph-----                          | 16       |
| 6.3        | Power output measurements -----          | 17       |
| 6.4        | Frequency measurements -----             | 17       |
| 6.5        | Description of Calculations -----        | 17       |

**1.0 ENGINEERING TEST REPORT**

This is to certify that the Household use Microwave Oven/Model NN-MX25WF, from which the following data has been derived complies with the requirements of "FCC Rules and Regulations Part 18 Subpart C" as of the date the measurements were made.

Any modification to the unit as tested may invalidate the data and void this certification.

1. Applicant : Matsushita Technology Corporation of America

Address : 9333 West Grand Avenue, Franklin Park, Illinois  
60131 U.S.A.

2. Manufacturer : Shanghai Matsushita Microwave Oven Company Ltd.

Address : 898 Long Dong Road, Shanghai 201203 China

3. Description of Appliance

a. Name of Appliance : Household use Microwave Oven  
b. Equipment authorization : Certification  
c. FCC ID. : ACLAP5G41  
d. Model No. : NN-MX25WF  
e. Serial No. : PP001  
f. Date of Manufacture : August, 2001  
g. Oscillating Frequency : Clock of Controller : 8MHz  
h. Operating Frequency : 2450MHz  
i. Highest Frequency : 2450MHz  
j. Power Supply : 120V AC 60Hz

4. Measurement Site : Matsushita EMC Center

5. Date of Measurement : October 31, 2001

6. Summary of Measurement Results

a. Radiated Emission : minimum Limit Margin 15.38  $\mu\text{V/m(AV)}$   
at 2400.00 MHz  
b. Safety Check of Leakage : Less than the limit of 0.5  $\text{mW/cm}^2$

These test results are traceable to the National and International Standards.

Measurement Uncertainty, at time of test, with at least 95% confidence, was estimated to be as follows:

Radiated Emission Measurement : 2.6 dB



---

Katsuo Ishihara  
Chief Engineer of Matsushita EMC Center  
Date : November 1, 2001