

**SHARP**  
SHARP MANUFACTURING COMPANY OF AMERICA  
DIVISION OF SHARP ELECTRONICS CORPORATION  
Sharp Plaza Boulevard, Memphis, Tennessee 38193  
Telephone: (901) 795-6510 • Fax: (901) 367-5493

February 24, 1999

Federal Communications Commission  
C/O Mellon Bank  
525 William Penn Way  
Room 153-2713  
Pittsburgh, PA 15259-0001

Attn.: Wholesale Lockbox Supervisor

Subject: Part 18 Certification for Microwave Oven

Models: R-1600, R-1601, R-1602, R-1610, R-1611, & R-1612.  
Brand Name: Sharp  
FCC ID Number: APYDMR0123  
Applicant: Sharp Corporation  
Manufacturer: Sharp Manufacturing Company of America

Dear Sirs,

Sharp Manufacturing Company of America requests certification for the subject models under Part 18 of the FCC Rules. Enclosed you will find a completed FCC Form 731 and supporting exhibits. A list of exhibits is included directly behind the FCC Form 731.

If you should have any questions concerning this application please contact myself, (901) 367-5150 or Mr. Steve Petruska, (201) 529-9689. Thank you.

Sincerely,

**Derek Shannon**

Derek Shannon  
Compliance Engineer  
Microwave Oven Division

Enclosure

**FCC ID: APYDMR0123**

**INFORMATION FOR CERTIFICATION**

**APPLICANT:**

**Name:** Sharp Corporation, Reliability Control Group  
**Address:** 22-22 Nagaike-Cho, Abeno-Ku  
Osaka 545, Japan

**Grantee Code:** APY  
**Applicant Representative:** Mr. K. Aoyagi

**REPORTED BY:**

**Name:** Sharp Manufacturing Company of America  
**Address:** Sharp Plaza Blvd., Memphis, TN 38193

**CONTACT PERSON:**

**Name:** Sharp Electronics Corporation  
**Address:** Sharp Plaza, Mahwah, New Jersey 07430  
**Applicant Representative:** Mr. Steve Petruska  
**Telephone No.:** (201) 529-9689

**MANUFACTURER:**

**Name:** Sharp Manufacturing Company of America  
**Address:** Sharp Plaza Blvd., Memphis, TN 38193

**FCC IDENTIFIER:** APYDMR0123

**EQUIPMENT:** Microwave Oven Models R-1600, R-1601,  
R-1602, R-1610, R-1611,& R-1612.

**FCC ID: APYDMR0123**

**LIST OF EXHIBITS**

- EXHIBIT A - Purpose of Filing**
- EXHIBIT B - Block Diagram and Schematic Drawing**
- EXHIBIT C - Operations Manual**
- EXHIBIT D - Identification Label**
- EXHIBIT E - Photographs**
- EXHIBIT F - Measurement Report**

**FCC ID: APYDMR0123**

## **EXHIBIT A**

### **PURPOSE OF FILING**

**The purpose of this filing is to request certification for a new model family of microwave ovens. The output power for this model family is 1000 watts as measured by the IEC 705 method, 1988 revision. These models are designed to be installed above a conventional range or cooktop. The Magnetrons used with these models have been used on previously certified products. The power transformer is a new design. The chassis design and waveguide are similar to the design for models listed under FCC ID APYDMR0118. There are some modifications in the dimensions of the cooking area.**

# ***TECHNICAL REPORT***

## **APPLICATION FOR CERTIFICATION**

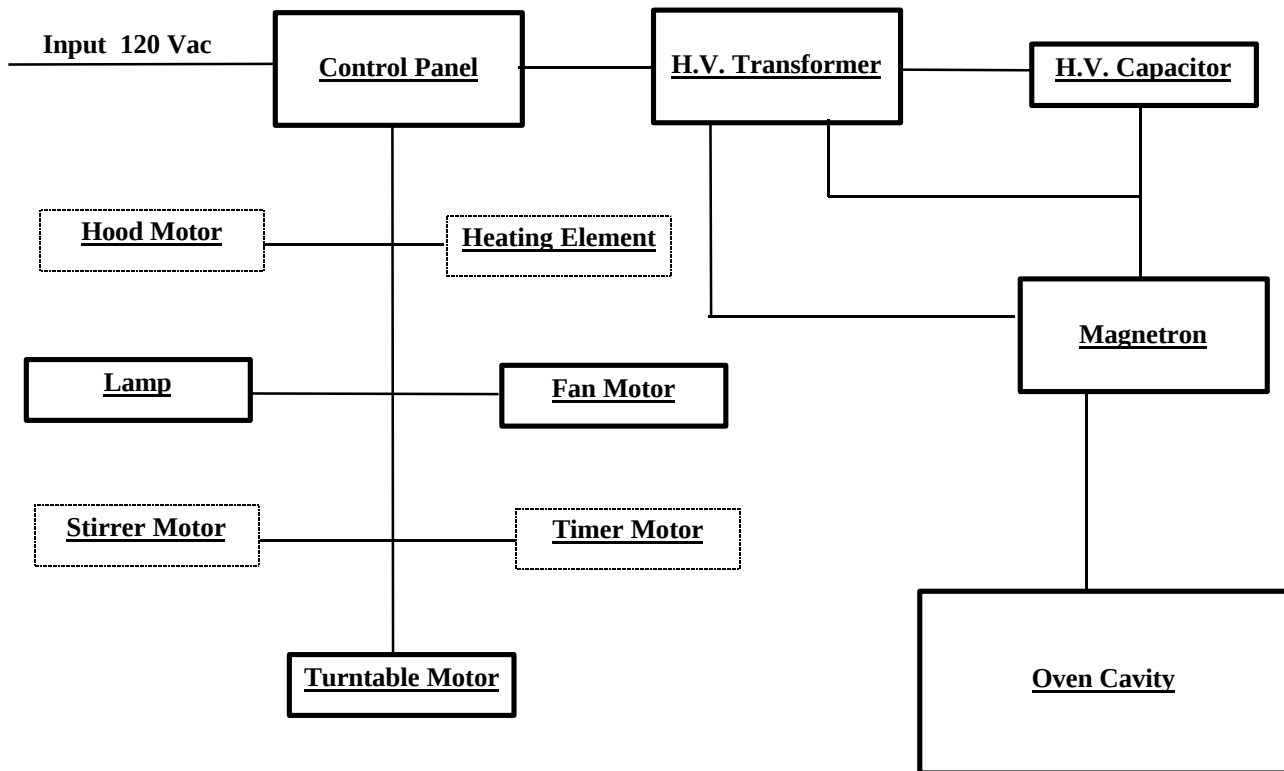
**February, 1999**

|                         |                                                                  |
|-------------------------|------------------------------------------------------------------|
| <b>FCC ID:</b>          | <b>APYDMR0123</b>                                                |
| <b>MODEL NO.:</b>       | <b>R-1600, R-1601, R-1602, R-1610,<br/>R-1611, &amp; R-1612.</b> |
| <b>MAGNETRON TYPE:</b>  | <b>2M167B (PANASONIC)<br/>2M214 (LG Electronics)</b>             |
| <b>EQUIPMENT CLASS:</b> | <b>Part 18 Consumer Device</b>                                   |

## EXHIBIT B

FCC ID: APYDMR0123

### MICROWAVE OVEN BLOCK DIAGRAM



**Note:** Components outlined with dotted line are optional and may not be present on all models.