

Requirements on Minimum Energy Performance Standard, Energy Efficiency Indication, and Inspection for Microwave Ovens (Draft)

Subject: Announcement for the Requirements on Minimum Energy Performance Standard, Energy Efficiency Indication, and Inspection of Microwave Ovens (Draft)

Legal Basis: Paragraph 4, Article 14 of the Energy Administration Act

Announcements: :

1. The microwave ovens stated in this Announcement refer to those meeting the definition of microwave ovens in CNS 60705 and promulgated by the Bureau of Standards, Metrology and Inspection (BSMI) of the Ministry of Economic Affairs (MOEA) as the products requiring inspections. However, this Announcement and the Requirements do not apply to the microwave ovens of the following conditions:
 - (1) Microwave ovens with diameter of load $\leq 200\text{mm}$, or height of load $\leq 120\text{mm}$;
 - (2) Rated power input $> 3300\text{W}$.
2. The testing of microwave ovens and the calculation thereof shall comply with the following requirements:
 - (1). The output power (watt, W) of microwave ovens shall be tested in accordance with CNS 60705. The measured value of the output power of microwave ovens rounded off to the nearest whole number shall be greater than or equal to 95% of the rated value of products.
 - (2). The energy efficiency of microwave ovens shall be tested and calculated in accordance with CNS 60705. The measured value of the energy efficiency rounded off to the nearest whole number, as well as the rated value, shall not be lower than the Minimal Energy Performance Standard (MEPS) of microwave ovens (see Table 1), and the measured value shall be greater than or equal to 95% of the rated value of products.
 - (3). The standby power of microwave ovens shall be tested and calculated in accordance with CNS 62301. The measured value of the standby power rounded off to the second decimal place, as well as the rated value, shall not be higher than the MEPS of Microwave ovens (see Table), and the measured value shall not be higher than the rated value.
3. The rated output power, the rated standby power, and the energy efficiency shall be marked on the bodies or the smallest packages of the microwave ovens.
4. The Central Competent Authority may conduct annual product sampling in accordance with the Guidelines for Energy Efficiency Labeling Inspection and Energy Efficiency Sampling of Designated Energy Using Equipment and Devices while conducting the energy efficiency inspection. The model and the quantity of the testing samples shall be designated by the Central Competent Authority, and the manufacturers shall deliver the product samples to the designated testing laboratories within the designated period. For the products not complying with the requirements in Item 2, the Central Competent Authority shall request the related manufacturers to re-submit the samples for re-testing. The quantity of the re-tested samples shall be twice the sampling quantity of the products of the same model. All the incurred costs associated with the re-testing shall be borne by the manufacturers.

If the manufacturer fails to conduct the sampling or the re-testing or fails to meet the energy efficiency requirements completely in the re-testing, Articles 21 and 24 of the Energy Administration Act shall apply.

Table: MEPS for Microwave Ovens

Energy Efficiency (%)	Standby Power (W)
55	Standby mode ≤ 1.00 W ; for products with network mode ≤ 2.00 W