

4. Radio Noise Emission Measurement Procedures/Results

4.1 Radiation Hazard Measurement

A 700-ml water load was placed in the center of the oven.

The power setting was set to maximum power.

While the oven was operating, the Microwave Survey Meter probe was moved slowly around the door seams to check for leakage.

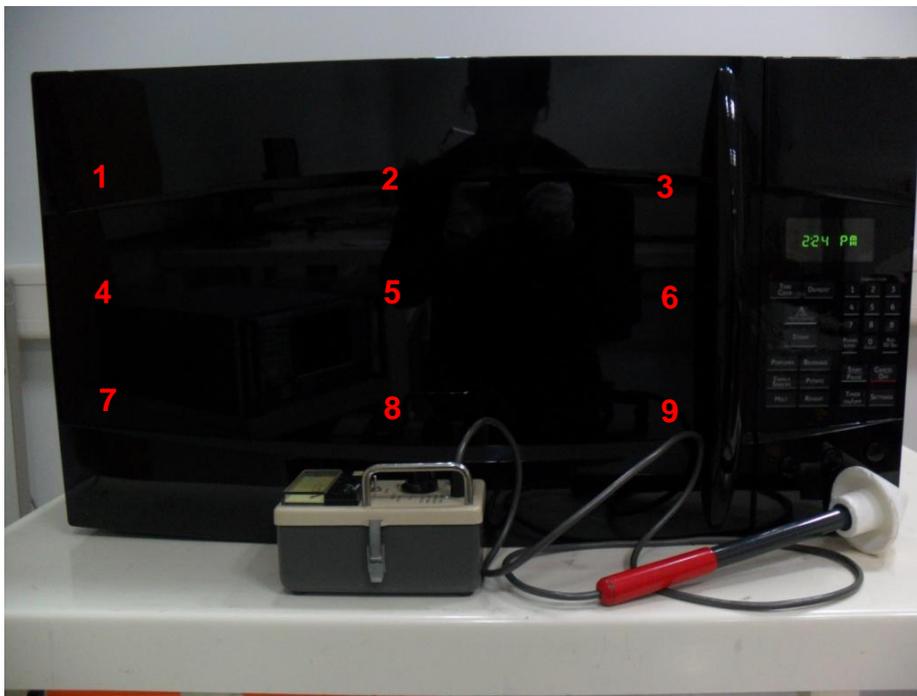


Fig. 1 Test Setup for Radiation Hazard Measurement

The results of this test are as follows.

Probe Location	Maximum Leakage [mW/Cm ²]	Limit [mW/Cm ²]
2	0.08	1.0
4	0.07	1.0
8	0.07	1.0
All others	0.05	1.0

4.2 Input Power Measurement

Input power and current were measured using a Power Analyzer. A 700ml water load was placed in the center of the oven and the oven set to maximum power. A 700 ml water load was chosen for its compatibility. Manufacturers to determine their input ratings commonly use this procedure.



Fig. 2 Test Setup for Input power

The results of this test are as follows.

Input Voltage [Vac]	Input Current [amps]	Measured Input power [watts]	EUT Spec. Input power [watts]
120	15.22	1801	1700W/14.5A

Based on the measured input power, the EUT was found to be operating within the intended specifications.