



#### 4.1 Procedure:

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

### Block Diagram of the Microwave Bench

## **5. Post Experiment Exercise:**

### **5.1 Conclusion/Comments**

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### **5.2 Questions:**

1. What are microwaves? List IEEE band designations with one application of each band.
2. Explain the advantages, disadvantages and applications of microwaves.
3. Explain in brief the various components used in microwave bench. (Attach an image for each component).
4. Microwave test bench is used in which band of the electromagnetic spectrum? Which rectangular waveguide is used in the microwave bench and what are the dimensions and its cut-off frequency?