

Name of the laboratory: Microwave Engineering

Course Outcomes:

- After Completion of the course the student is able to Examine Characteristics of Klystron and Gunn power supply
- Determine various parameters of microwave components

List of the equipment:

1. Regulated Power supplies (RPS) : 0-30 V
2. CRO's: 0-20 MHz.
3. Function Generators: 0-2 MHz.
4. Multimeters
5. Microwave Bench Setup
6. VSWR meters
7. Klystron power supply
8. Gunn power supply
9. Microwave components.

List of experiments:

1. Reflex Klystron Characteristics.
2. Gunn diode characteristics.
3. Directional coupler characteristics.
4. VSWR Measurement.
5. Measurement of Waveguide Parameters.
6. Measurement of impedance measurement using reflex klystron.
7. Measurement of scattering parameters of magic tee.
8. Measurement of Scattering Parameters of Circulator.
9. Attenuation Measurement.
10. Measurement of Microwave Frequency

