

Course Name: Microwave Measurement

Description of the lesson (as much as one paragraph):

In this course different techniques for measuring the scattering parameters & noise figure of microwave circuits are studied. Bock diagram and performance of network analyzers are presented. Characteristics of materials and their measurement are studied.

Course Syllabus:

1. Measuring standing wave pattern
2. Cables & Connectors
3. Measuring scattering parameters
4. Network analyzers
5. Measuring noise figures
6. Error analysis
7. Calibration
8. Measuring permittivity