

Post Experimental Quiz: Experiment 1

1. Why the slot is cut in the centre of the waveguide not off centre?
2. What types of errors are introduced in measurement due to finite probe depth and a slot in a waveguide?
3. Why detector is required to have a square law response? If it has response proportional to the cube of the input what correction you will need to apply.
4. Why the Klystron/Gunn source is square wave modulated at end frequency range?
5. If the excitation of the waveguide is changed to TE_{mn} mode, can we continue with this set up? What will be the effect of multimode in measurement?