

DESIGN AND DEVELOPMENT OF 140 GHZ D-BAND PHASE LOCKED HETERODYNE INTERFEROMETER SYSTEM FOR REAL TIME DENSITY MEASUREMENT

Summary :

Real time and actual density measurements have been carried out by the D-band interferometer system in laboratory and Tokamak Plasma density has been measured in Aditya Tokamak. at IPR. The effects of gas puffing has been seen on real time density signal for different plasma shots of the Aditya tokomak.

Outcome :

The D-band heterodyne interferometer system can be used for density feedback control with the help of real time density signal.

