

39. Dielectric study of Solids at 27 mm wavelength microwaves

R.S. Ramshetti, D.P. Garud U.B. , Dindore, S.G. Algude, V. V. Navarkhele

Abstract

The dielectric properties of solids have been measured for 25mm wavelength Microwaves at room temperatures. The solid samples used in this case are fused quartz, cream Granite, Green Granite, Brown Granite, Black Granite, and Dark Granite of different lengths. Similarly some soil samples such as Black Soil, White Soil and Red Soil are used for the study of dielectric properties.

Keywords: Granites, Soils, waveguide, Microwave X-band spectrograph.