

Abstracts

Measurement of Small Dielectric Losses in Material with a Large Dielectric Constant at Microwave Frequencies

R.O. Bell and G. Rupprecht. "Measurement of Small Dielectric Losses in Material with a Large Dielectric Constant at Microwave Frequencies." 1961 Transactions on Microwave Theory and Techniques 9.3 (May 1961 [T-MTT]): 239-242.

A method is described for measuring dielectric losses at microwave frequencies in materials with a large dielectric constant. By observing a dielectric resonance in a sufficiently large sample, the loss tangent of the material can be obtained. Results on SrTiO₃, single crystals at 20 kMc are presented.

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