

Abstracts

Resonant Frequency of Dielectric Resonators in Inhomogeneous Media

R. Bonetti and A. Atia. "Resonant Frequency of Dielectric Resonators in Inhomogeneous Media." 1980 MTT-S International Microwave Symposium Digest 80.1 (1980 [MWSYM]): 218-219.

An iterative analytical method is presented for the computation of resonant frequencies of high dielectric constant cylindrical resonators in inhomogeneous media. Theoretical calculations of barium tetratitanate dielectric discs above alumina substrates of a microstrip line agree with measurements of the resonant frequency to within 0.2 percent.

[Return to main document.](#)