

## Resonant Frequencies of Higher Order Modes in Cylindrical Anisotropic Dielectric Resonators (1991 Vol. I [MWSYM])

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*M.E. Tobar and A.G. Mann. "Resonant Frequencies of Higher Order Modes in Cylindrical Anisotropic Dielectric Resonators (1991 Vol. I [MWSYM])." 1991 MTT-S International Microwave Symposium Digest 91.1 (1991 Vol. I [MWSYM]): 143-146.*

An improved method is developed which allows the determination of mode frequencies to high accuracy in cylindrical anisotropic dielectric resonators. This is an extension of Garault and Guillon's method from isotropic to anisotropic dielectrics, applied to four different classes of field patterns. Application to high Q sapphire crystal resonators is discussed.

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