

Abstracts

Field Patterns and Resonant Frequencies of High-Order Modes in an Open Resonator (Short Papers)

P.K. Yu and K.M. Luk. "Field Patterns and Resonant Frequencies of High-Order Modes in an Open Resonator (Short Papers)." 1984 Transactions on Microwave Theory and Techniques 32.6 (Jun. 1984 [T-MTT]): 641-645.

Using the electromagnetic perturbation theory, it is shown that the linearly polarized TEM/sub pl/ modes ($l > 0$) predicted by conventional methods are not the resonant modes in an open resonator. Instead, two other series of high-order modes are proposed with improved accuracy in resonant frequencies.

 [Return to main document.](#)