

Abstracts

Beam Waveguides with Minimized Dielectric Structures (Short Papers)

P.F. Checcacci, R. Falciai and A.M. Scheggi. "Beam Waveguides with Minimized Dielectric Structures (Short Papers)." 1973 Transactions on Microwave Theory and Techniques 21.5 (May 1973 [T-MTT]): 362-363.

An experimental study of dielectric beam waveguides with minimized dielectric structure is presented. Such structures are derived from the square-frame beam waveguide described elsewhere. The experimental results show that even very much reduced structures maintain guiding properties. In particular, the helix structure results are competitive with the complete-frame beam waveguide.

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