

Abstracts

On the Bandwidth of T-Septum Waveguide (Short Papers)

B.E. Pauplis and D.C. Power. "On the Bandwidth of T-Septum Waveguide (Short Papers)." 1989 Transactions on Microwave Theory and Techniques 37.5 (May 1989 [T-MTT]): 919-922.

There is some degree of confusion in the recent literature concerning the bandwidth properties of T-septum waveguide. Two analyses, using the same Rayleigh-Ritz-Galerkin technique, disagree significantly. We present another analysis of the T-septum guide, using an alternative formulation of the method, which supports the original analysis of Mazumder and Saha. A possible source of the disagreement is found and illustrated. The history of the T-septum waveguide is discussed and several additional references are provided.

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