

Abstracts

On the Field Energy and Power of Waveguides and Cavities Synthesized with Nonseparable Solutions of Helmholtz Wave Equation

P.J. Luypaert and D.H. Schoonaert. "On the Field Energy and Power of Waveguides and Cavities Synthesized with Nonseparable Solutions of Helmholtz Wave Equation." 1975 MTT-S International Microwave Symposium Digest of Technical Papers 75.1 (1975 [MWSYM]): 57-59.

This paper shows that microwave cavities and waveguides synthesized with nonseparable solutions of Helmholtz wave equations have interesting properties concerning field energy and Power. Moreover they have better attenuation and Q factor in comparison with the conventional waveguides and cavities.

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