

Theory and Experiment Predicting the Cutoff Frequencies for a Rectangular Stripline

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The frequency at which the first higher order mode propagates fixes the upper limit of the useful frequency range of a rectangular stripline. In this paper, the results of two disparate analytical techniques used in predicting this cutoff frequency are presented and compared to other published results. Furthermore, a novel experiment was devised and performed. Agreement between the experimental results and the analytical predictions is close.

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