

Field-Analysis Model for Predicting Dispersion Property of Coupled-Cavity Circuits

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Based upon the generalized mode-analysis technique, a rigorous numerical model for simulating 'cold'-tests of millimeter wave coupled-cavity slow-wave circuits is developed. This model provides not only the dispersion property but also the 'cold' RF field distribution in the structure. The result is compared with that obtained by Curnow's equivalent circuit.

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