

Abstracts

Transverse Electromagnetic Fields in a Detuned X-Band Accelerating Structure

S.A. Kheifets, S.A. Heifets and B. Woo. "Transverse Electromagnetic Fields in a Detuned X-Band Accelerating Structure." 1995 Transactions on Microwave Theory and Techniques 43.6 (Jun. 1995 [T-MTT]): 1335-1341.

Results are presented of a study of the dipole electromagnetic fields in a detuned accelerating section which are excited by a pointlike bunch. The field-matching technique is used for the field calculations. The transverse coupling impedance, the kick factors, and the point wake function are found.

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