

Abstracts

On the Efficiency of the Excitation of Surface Waves by Distributed Coupling (Correspondence)

E. Ravid-Weissberg. "On the Efficiency of the Excitation of Surface Waves by Distributed Coupling (Correspondence)." 1961 Transactions on Microwave Theory and Techniques 9.6 (Nov. 1961 [T-MTT]): 573-575.

The excitation of surface waves on reactive surfaces is accompanied by loss of power which is radiated directly from the region of the feed. Since a surface wave supported by a surface wave line is a (nonhomogeneous) plane wave, it cannot be excited as the only field of a current distribution of finite size and amplitude.

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