

Abstracts

Excitation of Surface Waves on a Unidirectionally Conducting Screen

S.R. Seshadri. "Excitation of Surface Waves on a Unidirectionally Conducting Screen." 1962 Transactions on Microwave Theory and Techniques 10.4 (Jul. 1962 [T-MTT]): 279-286.

The excitation of plane surface waves by a line source on a unidirectionally conducting 1) infinite and 2) semi-infinite screen is considered. The conditions for the existence of the surface wave and the optimum location of the line source for obtaining the highest efficiency of excitation is determined.

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