Abstracts

The Effect of Surface Impedance Variation on Surface Wave Propagation Along a Rod Waveguide (Correspondence)

G.N. Tsandoulas. "The Effect of Surface Impedance Variation on Surface Wave Propagation Along a Rod Waveguide (Correspondence)." 1968 Transactions on Microwave Theory and Techniques 16.10 (Oct. 1968 [T-MTT]): 886-888.

The radiation field due to a surface wave propagating along a rod waveguide having a surface impedance that varies linearly with distance along the direction of propagation is investigated. It is shown that for diameters greater than about one wavelength the radiation pattern is steerable, but for small diameter-to-wavelength ratios the taper has no effect on the pattern

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