

Abstracts

Low Frequency Leaky Regime in Covered Multilayered Striplines

F. Mesa and R. Marques. "Low Frequency Leaky Regime in Covered Multilayered Striplines." 1996 Transactions on Microwave Theory and Techniques 44.9 (Sep. 1996 [T-MTT]): 1521-1525.

This work studies the low frequency leakage of power in covered multilayered striplines including the possibility of several conductors on different interfaces. The appearance and features of the lateral radiation is discussed, assuming that only one parallel-plate waveguide mode is above cutoff. Comparison with quasi-TEM results shows that some leaky waves behave like quasi-TEM modes with radiation losses. Lateral radiation and ohmic conductor losses are also compared.

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