

Leakage Fields from Planar Semi-Infinite Transmission Lines

F.J. Villegas, D.R. Jackson and J.T. Williams. "Leakage Fields from Planar Semi-Infinite Transmission Lines." 1996 MTT-S International Microwave Symposium Digest 96.1 (1996 Vol. 1 [MWSYM]): 183-186.

The leakage fields radiated by planar semi-infinite transmission line currents are studied for two canonical structures, the air-gap stripline and a strip in free space. The exact leakage fields are compared with the following two asymptotic approximations: a stationary-phase (geometrical optics or GO) evaluation and a uniform asymptotic expansion.

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