

Abstracts

Radiation properties of circumferential slots on a coaxial cable

Jean-Fu Kiang. "Radiation properties of circumferential slots on a coaxial cable." 1997 Transactions on Microwave Theory and Techniques 45.1 (Jan. 1997 [T-MTT]): 102-107.

Both the Galerkin's and mode-matching methods are used to analyze the reflection and radiation properties of a coaxial cable with a circumferential slot on the outer conductor. The effects of higher order modes are also included. The accumulated effect of multiple slots on the reflected signal is also studied by using a Monte Carlo simulation.

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