

Abstracts

A New Method for the Characterization of Groove-Guide Leaky-Wave Antenna with an Asymmetrically Located Metal Strip

Z. Ma and E. Yamashita. "A New Method for the Characterization of Groove-Guide Leaky-Wave Antenna with an Asymmetrically Located Metal Strip." 1992 Microwave and Guided Wave Letters 2.12 (Dec. 1992 [MGWL]): 489-491.

A full-wave characterization of the groove-guide leaky-wave antenna is described based on the mode-matching procedure. All higher order modes are taken into account, and the radiating open end is treated in a concise and accurate way by using the generalized scattering matrix technique. The formulation is versatile and rigorous. Numerical results are compared with previous data.

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