Abstracts

Radiation Losses in Curved Dielectric Image Waveguides of Rectangular Cross Section

R.M. Knox, P.P. Toulios and J.Q. Howell. "Radiation Losses in Curved Dielectric Image Waveguides of Rectangular Cross Section." 1973 G-MTT International Microwave Symposium Digest of Technical Papers 73.1 (1973 [MWSYM]): 25-27.

An approximate analytical model has been developed for predicting the radiation attenuation in curved rectangular dielectric image waveguide. The radiation is shown to depend on radius of curvature, dielectric constant, and cross-sectional dimensions. Correlation of experimental measurements with theory was good.

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