

Abstracts

Thermal Noise in Lossy Waveguides

D.F. Williams. "Thermal Noise in Lossy Waveguides." 1996 Transactions on Microwave Theory and Techniques 44.7 (Jul. 1996, Part I [T-MTT]): 1067-1073.

This work rigorously treats thermal electromagnetic noise in lossy waveguides and develops explicit modal equivalent-circuit representations for the noise generated by arbitrary passive networks embedded in them. The results show that the formulations in common use are limited to lossless transmission media.

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