

Abstracts

Scattering by a Thick Off-Centered Circular Iris in Circular Waveguide (Short Papers)

Z. Shen and R.H. MacPhie. "Scattering by a Thick Off-Centered Circular Iris in Circular Waveguide (Short Papers)." 1995 *Transactions on Microwave Theory and Techniques* 43.11 (Nov. 1995 [T-MTT]): 2639-2642.

A formally exact solution is described for the problems of scattering at a junction between two circular waveguides with their axes offset and at a thick off-centered iris in circular waveguide. The analysis method uses Graf's addition theorem for cylindrical functions and the conservation of complex power technique (CCPT). Sample numerical results are presented and compared with available data in the literature.

[Return to main document.](#)