

Abstracts

The waveguide below-cutoff attenuation standard (Dec. 1997, Part II [T-MTT])

D.H. Russell. "The waveguide below-cutoff attenuation standard (Dec. 1997, Part II [T-MTT])." 1997 Transactions on Microwave Theory and Techniques 45.12 (Dec. 1997, Part II [T-MTT] (1997 Symposium Issue)): 2408-2413.

A semitutorial review of the history, development, and application of waveguide below-cutoff (WBCO) attenuation standards is presented. A brief summary of the electromagnetic (EM) theory is followed by descriptions of the various designs implemented over a span of 60 years. Designs range from simplistic to elaborate electromechanical creations that stretch the toolmaker's art yet are ultimately dependent upon the primary standard of length.

 [Return to main document.](#)