Abstracts

Characterization of a Dual-Mode Horn for Submillimeter Wavelengths (Short Papers)

H.M. Pickett, J.C. Hardy and J. Farhoomand. "Characterization of a Dual-Mode Horn for Submillimeter Wavelengths (Short Papers)." 1984 Transactions on Microwave Theory and Techniques 32.8 (Aug. 1984 [T-MTT] (Special Issue on Electromagnetic-Wave Interactions with Biological Systems)): 936-937.

A simple dual-mode conical horn has been developed and tested at 0.5, 1.4, 3.1, and 34.2 mm. The horn has nearly equal beam shape in the E and H plane far field patterns with a 3-dB half angle of 6°. At 34.2 mm, the waveguide reflection loss and the phase center have been determined.

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