

Abstracts

Some Applications and Characteristics of Ferrite at Wavelengths of 0.87 Cm and 1.9 Cms

C. Stewart. "Some Applications and Characteristics of Ferrite at Wavelengths of 0.87 Cm and 1.9 Cms." 1955 *Transactions on Microwave Theory and Techniques* 3.3 (Apr. 1955 [T-MTT]): 27-31.

This paper describes the use of ferrites in waveguide to produce Faraday rotations at 0.87 cm and 1.9 cms wavelengths. The Dicke radiometric receiver is briefly reviewed and its improvement by the use of ferrite waveguide components is described. Experimental equipment for securing data on the behavior of ferrites is discussed. Details are given for the construction of a unidirectional waveguide transmission line for 0.87 cm wavelength.

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