Abstracts

Adjustment of Okada Resonator Using Composite Chambers

J. Helszajn, R. Guixa, J. Girones, E. Hoyos and J. Garcia-Taheno. "Adjustment of Okada Resonator Using Composite Chambers." 1995 Transactions on Microwave Theory and Techniques 43.11 (Nov. 1995 [T-MTT]): 2524-2531.

An important high power gyromagnetic resonator is the Okada one consisting of stacked circular metal disks between top and bottom plates on either side of which are mounted thin ferrite disks separated by a free space or dielectric region. The purpose of this paper is to describe some design features entering into the description of the quality factor of this type of junction. The quality factor of one experimental UHF Okada resonator biased above the main Kittel resonance consisting of five inner symmetrical chambers and two outer asymmetrical ones each partially filled with an inner region of ferrite tiles and an outer one of dielectric tiles is given separately.

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