Abstracts

Coplanar Waveguide Short-Gap Resonator for Medical Applications

Y.X. Wang. "Coplanar Waveguide Short-Gap Resonator for Medical Applications." 1985 Transactions on Microwave Theory and Techniques 33.12 (Dec. 1985 [T-MTT] (1985 Symposium Issue)): 1310-1312.

A coplanar waveguide short-gap resonator as an electromagnetic energy coupler for medical applications is described. The principles and design formulas are given and the experimental results for a pair of the couplers designed to operate at 915 MHz are provided. From the data obtained on a phantom, it can be shown that the coupling efficiency of this coupler is at least 3 dB better, compared with the other kinds of coplanar waveguide couplers.

❑ Return to main document.