Abstracts

Further Considerations on Open Resonators with Rimmed Mirrors (Correspondence)

P.F. Checcacci and A.M. Scheggi. "Further Considerations on Open Resonators with Rimmed Mirrors (Correspondence)." 1970 Transactions on Microwave Theory and Techniques 18.5 (May 1970 [T-MTT]): 282-283.

Further results are presented obtained with experimental tests on an X-band model of Fabry resonator having mirrors with step or sloped rims. A periodical trend of the power losses per transit as a function of the step rim thickness for both positive and negative values of the thickness is noted. This behavior is observed also in the mode pattern configuration. An oscillating trend of the power losses versus slope angle with smoothing maxima and minima is also observed for the sloped rim resonator. The possibility of independent field control at each side of the mirrors has also been proved.

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