

Abstracts

Linear Tuning of a Microwave Cavity (Correspondence)

M.J. Vetter. "Linear Tuning of a Microwave Cavity (Correspondence)." 1965 Transactions on Microwave Theory and Techniques 13.6 (Nov. 1965 [T-MTT]): 880-880.

The usual tuning devices used with microwave cavities have pronounced non-linear (frequency vs. probe position) characteristics because of their operation in non-uniform fields. The arrangement described here encloses a small tuning probe with a dielectric sleeve of such shape as to improve the uniformity of the field around the probe and consequently the linearity of tuning over a useful range of operation.

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