

Abstracts

Single-Mode Cavity Maser at 2200 Mc (Correspondence)

D.W. Hanson and J.J. Rowley. "Single-Mode Cavity Maser at 2200 Mc (Correspondence)." 1961 Transactions on Microwave Theory and Techniques 9.1 (Jan. 1961 [T-MTT]): 97-98.

Cavity masers which have been reported in the literature have utilized a dual-mode cavity resonant at the pump and signal frequencies, but Strandberg, et al., has reported an X-band cavity maser which can be operated with the cavity resonant only at the signal frequency. Siegmann has also reported a multiplicity of resonances in his cavity maser for the pump signal which might possibly be caused by some sort of dielectric loading effect.

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