

Abstracts

A Technique for Stabilizing Microwave Oscillators

J.L. Altman. "A Technique for Stabilizing Microwave Oscillators." 1954 Transactions on Microwave Theory and Techniques 2.2 (Jul. 1954 [T-MTT]): 16-25.

The stabilization of microwave oscillators whose short term deviations in frequency are in the order of one part in 10^8 is discussed in this article. The control system, which consists of a dual mode reference cavity and feedback amplifier, is applied to a reflex klystron oscillator. Circuit analysis and practical design considerations are presented. A practical method of measuring the actual frequency stability is given.

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