

Abstracts

Stabilization of Fundamental-Frequency Microwave Oscillators for Radio-Relay Systems

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The cavity stabilized microwave fundamental oscillator shown in Fig. 1 is conveniently used in IF heterodyne repeater systems for the receiver local oscillator. The frequency stability of the transmitter local oscillator is nearly the same as the receiver local oscillator, and shift oscillator stability determines the overall frequency stability of the transmitter. Harmonics of the shift oscillator do not affect either local signal.

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