Abstracts

Steady-State, Quasi-Steady-State and Transient-State Analyses of Delay Line Discriminators for FM Noise Measurement

J.-P. Ruan. "Steady-State, Quasi-Steady-State and Transient-State Analyses of Delay Line Discriminators for FM Noise Measurement." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 289-290.

The steady-state, quasi-steady-state and transient-state concepts are introduced to the analyses of delay line discriminators for FM noise measurement. Only by this means, is it possible to determine the admitted range for RF drift when the discriminator has been adjusted to the nominal frequency; the linearized frequency deviation range when it's used as large frequency deviation measurement, f.e. the system calibration and the measured range of the baseband frequency respectively, so that the system constrained performances can be mastered to the full.

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