

## The Evaluation of Phase Noise in Low Noise Oscillators

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*D.M. Harrison, M.J. Howes and R.D. Pollard. "The Evaluation of Phase Noise in Low Noise Oscillators." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. 1 [MWSYM]): 521-524.*

A new measurement system for the characterisation of low noise oscillators is described. Injection locking rather than phase locking is used to achieve phase quadrature in the two oscillator phase detector method. This method is simpler to implement than conventional phase locked systems and by using a fixed rather than an electronically tuned reference, offers improved limiting sensitivity.

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