

# Abstracts

## Improved Injection Locking of Microwave FM-Oscillators

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G. Endersz and V. Vucins. "Improved Injection Locking of Microwave FM-Oscillators." 1972 G-MTT International Microwave Symposium Digest of Technical Papers 72.1 (1972 [MWSYM]): 173-175.

A system for injection locking by angle-modulated signals is presented in which both the locked oscillator and the locking source is angle-modulated by the same signal. This method provides increased locking gain and improved stability against oscillator drift with preserved signal performance. Intermodulation measurements on a low-Q Gunn-oscillator, angle-modulated by a weakly coupled varactor (0.5 dB loss) demonstrated the expected effects.

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