

# Abstracts

## Phase Transients in Digital Radio Local Oscillators

*M.E. Znojkieicz and B. Vassilakis. "Phase Transients in Digital Radio Local Oscillators." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 475-478.*

Phase transients that occur in microwave local oscillators are discussed. The harmful effects of these transients on coherent digital transmission are evaluated, with emphasis placed on complex modulation schemes such as 64 QAM or 256 QAM. The sources of phase transients are identified, and the methods that quantify these transients are presented along with procedures that ensure phase transient free operation of local oscillators.

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