

Abstracts

A Quasi-Optical Oscillator/Modulator for Wireless Transmission

R.D. Martinez and R.C. Compton. "A Quasi-Optical Oscillator/Modulator for Wireless Transmission." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 839-842.

A quasi-optical active antenna circuit with Class-C amplifier characteristics can be modulated for broadband communication applications. Results from a 10 GHz planar quasi-optical oscillator/modulator circuit with a 3 dB modulation bandwidth of 1.4 GHz (± 700 MHz) will be presented. The oscillator/modulator is linear up to a modulation index of 100%.

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