

Abstracts

Enhanced analog transmission over fiber using sampled amplitude modulation

J.C. Chen. "Enhanced analog transmission over fiber using sampled amplitude modulation." *2001 Transactions on Microwave Theory and Techniques* 49.10 (Oct. 2001, Part II [T-MTT] (Special Issue on Microwave and Millimeter-Wave Photonics)): 1940-1944.

A novel sampled modulation scheme is proposed, allowing the fiber transmission of broad-band analog signals. The deleterious effects of self phase modulation, dispersion and stimulated Brillouin scattering are all mitigated. Comparison with conventional amplitude modulation shows improvement.

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