

Abstracts

The implication of nonlinear effect on DS/CDMA with imperfect power control in optical transmission

S. Geslin, A. Borjak, L. Moura and J.J. O'Reilly. "The implication of nonlinear effect on DS/CDMA with imperfect power control in optical transmission." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1763-1766.

The impact of imperfect power control on an asynchronous direct sequence code division multiple access (DS/CDMA) system in optical transmission is discussed. The performance of the system is evaluated using the derived bit-error-rate (BER) by taking into account the intermodulation distortion due to the laser diode nonlinearity.

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