

FN-modulation loop architecture for fully integrated 1 Mb/s GFSK transmitter

G. Marzinger, A. Springer, R. Weigel, S. Herzinger and J. Fenk. "FN-modulation loop architecture for fully integrated 1 Mb/s GFSK transmitter." 1999 MTT-S International Microwave Symposium Digest 99.4 (1999 Vol. IV [MWSYM]): 1851-1854 vol.4.

A low cost GFSK transmitter architecture is investigated for its sensitivity to parameter variation in mass production. In this paper the simulation results for a system design, based on certain specifications, are presented and the effects of mismatch in the open loop gain are demonstrated. It is shown that the system specifications can be met if the open loop gain error is less than 8% of the nominal value.

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