

Abstracts

Coherent RF Error Statistics (1986 [MWSYM])

R.B. Dybdal and R.H. Ott. "Coherent RF Error Statistics (1986 [MWSYM])." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 677-680.

RF error statistics for power, voltage, and phase are presented for an error component which is coherently related to a desired signal. The error component is assumed to have a constant magnitude and a phase distribution which is equally likely and uniformly distributed from 0 to 360°. The statistics which result have non-zero mean values for power and voltage errors and the standard deviation of the errors differ significantly from those projected from Gaussian statistics.

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