

Abstracts

Investigation of MMIC inductor coupling effects

M. Werthen, I. Wolff, R. Keller and W. Bischof. "Investigation of MMIC inductor coupling effects." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1793-1796.

The coupling effects of two closely placed coplanar spiral inductors are investigated using the FDTD method. Different configurations of two inductors are simulated and the simulation results are compared with measurements. The investigations show an unexpected high impact of the orientation of the coils to the coupling of the two inductors.

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