

Electromagnetic Simulation of Mode Control of a Two Element Active Antenna

B. Toland, J. Lin, B. Houshmand and T. Itoh. "Electromagnetic Simulation of Mode Control of a Two Element Active Antenna." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 883-886.

The FDTD algorithm is used to simulate a two element active antenna which is capable of three different coupled oscillation modes. This analysis correctly predicts which modes will be stable in the steady state under different loading conditions. The predicted oscillation modes, oscillation frequencies and radiation patterns are compared with experimental data.

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