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Electromagnetic radiation from multilayer printed circuit boards: a 3D FDTD-based virtual emission predictor

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Abstract: A novel FDTD-based virtual electromagnetic compatibility tool for the prediction of electromagnetic emissions from a multilayer printed circuit board is introduced. Tests are performed with characteristic structures and sample simulation results are presented.

Key Words: Electromagnetic Compatibility, EMC, EM Emission, Printed Board, Microstrip Circuits.

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