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Method of measurement of electromagnetic radiation from printed circuit board in the near field by spectral-polarization method

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Abstract

© 2017 IEEE. in this paper we propose a technique for estimating the electromagnetic radiation from a printed circuit board in the near field on the basis of the simplest oscillators- Hertz dipoles, the equations for which are well known. This technique makes it possible, at early stages of printed circuit board design, to detect interference emitted from printed circuit board and to estimate their influence on printed circuit board.

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Keywords

Electromagnetic radiation, Hertz dipole, Near field, Printed circuit board

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