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PCB Design for Real-World EMI Control Authors. bruce archambeault; James Drewniak; Series Title The Springer International Series in Engineering and Computer Science Series Volume 696 Copyright 2002 Publisher Springer US Copyright Holder Springer-Verlag US eBook ISBN 978-1-4757-3640-3 DOI 10.1007/978-1-4757-3640-3 Hardcover ISBN 978-1-4020-7130-0 Series ISSN 0893-3405

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PCBs are normally designed after the complete circuit design is tested and finalized. Once the PCB design is done the design file will be sent to the PCB manufacturer for fabrication. On average these boards will be manufactured in large numbers and...

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EM simulation enables us to design for a real world antenna environment early on. It also enables us to study material tolerances and select the right PCB material for the job, with the required tolerances. Design for an environment Next, we investigate a small 868MHz antenna for a USB-size device.

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Overview Proper design of printed circuit boards can make the difference between a product passing emissions requirements during the first cycle or not. Traditional EMC design practices have been simply rule-based, that is, a list of rules-of-thumb are presented to the board designers to implement.

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He received his Ph. D. from the University of New Hampshire in 1997. His doctoral research was in the area of computational electromagnetics applied to real-world EMC problems. He is the author of the book "PCB Design for Real-World EMI Control" and the lead author of the book titled "EMI/EMC Computational Modeling Handbook".

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