



EMI Troubleshooting Cookbook for Product Designers: Concepts, Techniques, and Solutions (The Scitech Series on Electromagnetic Compatibility)

By Patrick G. André, Kenneth Wyatt

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EMI Troubleshooting Cookbook for Product Designers: Concepts, Techniques, and Solutions (The Scitech Series on Electromagnetic Compatibility) By Patrick G. André, Kenneth Wyatt

EMI Troubleshooting Cookbook for Product Designers is a one-stop guide that will help engineers and technicians who have products which fail to meet EMI/EMC regulatory standards. It provides “recipes” of simple, easily implemented, and inexpensive troubleshooting tools or aids that can be built by the engineer or the technician.

Written in a very simple style requiring only minimal electromagnetic theory and math, the “cookbook” will teach the engineer and technician to develop a “process” for troubleshooting?making it a straight-forward approach to solving what may seem like a rather complicated problem. Real-world stories are used to further illustrate both the concepts put forth in the book and the thinking process required when troubleshooting EMI problems.

All materials are organized around these main aspects in a logical way, providing accessible, useful, complete coverage of the main aspects of the mitigation/troubleshooting philosophy. The book’s less technical approach and balanced coverage of both basic theory and practical aspects will provide guidelines on how to approach an EMI failure, things to try, choosing the appropriate component, to how to choose the right parts and balance between cost and performance.

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Editorial Review

Review

"Assembling a simple, inexpensive EMI toolkit and using the troubleshooting techniques described in this book will save you both time and money. Since all of us, sooner-or-later, will have the need to diagnose and fix EMC problems, EMI Troubleshooting Cookbook for Product Designers should be on every product designer's bookshelf." (Henry Ott)

"Great treatment of EMI troubleshooting. This book should be on the bookshelf of every EMI engineer, and anybody else responsible for EMI compliance." (Daryl Gerke, PE)

About the Author

Kenneth Wyatt holds degrees in biology and electronic engineering and worked as a product development engineer for 10 years at various aerospace firms ranging from DC-DC power converters to RF and microwave systems for shipboard and space systems. He worked for over 20 years as an EMC engineer for Hewlett-Packard and Agilent Technologies in Colorado Springs. He is currently an independent consultant with Wyatt Technical Services. A prolific author and presenter, he has generated extensive content on: design of comb generators; DIY near-field and current probes; and the EMC design of products. He has been published in magazines such as: *Interference Technology*, *Test and Measurement World*, *Electronic Design*, China's *EMC & Safety Journal*, *In Compliance*, *Microwave Journal* and *HP Journal*. He currently authors The EMC Blog for Test & Measurement World.

Patrick G. André is President of André Consulting, Incorporated and has worked in the EMC field for over 30 years. He is an iNARTE Certified Engineering in both EMC and ESD (Electrostatic Discharge). His extensive work in the military and aerospace environment includes projects in aircraft subsystems, satellite equipment, industrial equipment, medical equipment, and work with all branches of the military and NASA.

Users Review

From reader reviews:

Lori Thomas:

In this 21st one hundred year, people become competitive in each and every way. By being competitive at this point, people have do something to make these individuals survives, being in the middle of the actual crowded place and notice by surrounding. One thing that oftentimes many people have underestimated the idea for a while is reading. Yes, by reading a reserve your ability to survive increase then having chance to endure than other is high. To suit your needs who want to start reading any book, we give you this EMI Troubleshooting Cookbook for Product Designers: Concepts, Techniques, and Solutions (The Scitech Series on Electromagnetic Compatibility) book as basic and daily reading guide. Why, because this book is usually more than just a book.

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Brenda Anderson:

This EMI Troubleshooting Cookbook for Product Designers: Concepts, Techniques, and Solutions (The Scitech Series on Electromagnetic Compatibility) is great guide for you because the content and that is full of information for you who also always deal with world and get to make decision every minute. This specific book reveal it info accurately using great plan word or we can claim no rambling sentences inside. So if you are read that hurriedly you can have whole data in it. Doesn't mean it only gives you straight forward sentences but tricky core information with beautiful delivering sentences. Having EMI Troubleshooting Cookbook for Product Designers: Concepts, Techniques, and Solutions (The Scitech Series on Electromagnetic Compatibility) in your hand like finding the world in your arm, information in it is not ridiculous just one. We can say that no guide that offer you world inside ten or fifteen tiny right but this publication already do that. So , this can be good reading book. Hello Mr. and Mrs. busy do you still doubt that will?

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