



Electromagnetic Compatibility Engineering

Henry W. Ott

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Electromagnetic Compatibility Engineering Henry W. Ott
Praise for Noise Reduction Techniques IN electronic systems

"Henry Ott has literally 'written the book' on the subject of EMC. . . . He not only knows the subject, but has the rare ability to communicate that knowledge to others."

—*EE Times*

Electromagnetic Compatibility Engineering is a completely revised, expanded, and updated version of Henry Ott's popular book *Noise Reduction Techniques in Electronic Systems*. It reflects the most recent developments in the field of electromagnetic compatibility (EMC) and noise reduction; and their practical applications to the design of analog and digital circuits in computer, home entertainment, medical, telecom, industrial process control, and automotive equipment, as well as military and aerospace systems.

While maintaining and updating the core information—such as cabling, grounding, filtering, shielding, digital circuit grounding and layout, and ESD—that made the previous book such a wide success, this new book includes additional coverage of:

- Equipment/systems grounding
- Switching power supplies and variable-speed motor drives
- Digital circuit power distribution and decoupling
- PCB layout and stack-up
- Mixed-signal PCB layout
- RF and transient immunity
- Power line disturbances
- Precompliance EMC measurements
- New appendices on dipole antennae, the theory of partial inductance, and the ten most common EMC problems

The concepts presented are applicable to analog and digital circuits operating from below audio frequencies to those in the GHz range. Throughout the book, an emphasis is placed on cost-effective EMC designs, with the amount and complexity of mathematics kept to the strictest minimum.

Complemented with over 250 problems with answers, *Electromagnetic Compatibility Engineering* equips readers with the knowledge needed to design electronic equipment that is compatible with the electromagnetic environment and compliant with national and international EMC regulations. It is an essential resource for practicing engineers who face EMC and regulatory compliance issues and an ideal textbook for EE courses at the advanced undergraduate and graduate levels.

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A lot of people always spent all their free time to vacation as well as go to the outside with their friends and family or their friend. Are you aware? Many a lot of people spent that their free time just watching TV, or maybe playing video games all day long. If you need to try to find a new activity that's look different you can read any book. It is really fun in your case. If you enjoy the book you read you can spend 24 hours a day to reading an e-book. The book Electromagnetic Compatibility Engineering it is extremely good to read. There are a lot of people that recommended this book. They were enjoying reading this book. In case you did not have enough space to bring this book you can buy the actual e-book. You can more effortlessly to read this book from your smart phone. The price is not too fund but this book has high quality.

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