



EMC for Product Designers, Second Edition

By Tim Williams

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Widely regarded as the standard text on EMC, Tim Williams' book provides all the information necessary to meet the requirements of the EMC Directive. Most importantly, it shows how to incorporate EMC design principles into products, avoiding cost and performance penalties, meeting the needs of specific standards and resulting in a better overall product.

This edition covers basic, generic and product-specific test standards, the latest standards on measurement methods and revisions to existing standards. Changes to the standards generating process are also covered. New measurement techniques are described. The chapter entitled Systems EMC explains requirements on systems design, layout of large systems, earthing, grounding and bonding practices, cable layout, routing and termination, and specification of components. A further chapter deals with EMC Management: discussion of management requirements, company policy, QA needs, the role of the EMC co-ordinator, including test and control plans.

Tim Williams has worked for a variety of companies as an electronic design engineer over the last 20 years. He has monitored the progress of the EMC Directive and its associated standards since it was first made public. He is a member of the Institution of Electrical Engineers and now runs his own consultancy, specialising in EMC design and training. He is also the author of 'The Circuit Designer's Companion' published by Butterworth-Heinemann.

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Editorial Review

Review

‘This book is likely to become essential reading for those designing electronic products for the European market.’

New Electronics

‘The title could equally well have been ‘EMC Handbook’ since the book contains a wealth of reference material on the directive, the standards, measurements and the methods which can, and should, be used to achieve compliance.’

IEE Review

‘Tim Williams clearly draws heavily on his experience gained as a consultant, specialising in design and training, which is reflected in the quality and clarity of this work.’

International Journal of Electrical Engineering Education

‘Covers basic EMC theory and practice in a very readable form.’

Test & Measurement Europe

From the Publisher

This edition covers basic, generic and product-specific test standards, and the latest standards on measurement methods and revisions to existing standards. Changes to the standards generating process are also covered. New measurement techniques are described. The chapter entitled Systems EMC explains requirements on systems design, layout of large systems, earthing, grounding and bonding practices, cable layout, routing and termination, and specification of components. A further chapter deals with EMC Management: discussion of management requirements, company policy, QA needs, and the role of the EMC co-ordinator, including test and control plans.

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