

1. Record Nr.	UNINA9910877164103321
Autore	Montrose Mark I
Titolo	Testing for EMC compliance : approaches and techniques // Mark I. Montrose, Edward M. Nakauchi
Pubbl/distr/stampa	Hoboken, NJ, : John Wiley, 2004
ISBN	1-280-36799-7 9786610367993 0-470-24874-2 0-471-64468-4 0-471-64465-X
Descrizione fisica	1 online resource (480 p.)
Altri autori (Persone)	NakauchiEdward M
Disciplina	621.382/24
Soggetti	Electromagnetic compatibility Electromagnetic interference
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 447-451) and index.
Nota di contenuto	1. Introduction. -- 2. Electric, Magnetic, and Static Fields. -- 3. Instrumentation. -- 4. Test Facilities. -- 5. Probes, Antennas, and Support Equipment. -- 6. Conducted Testing. -- 7. Radiated Testing. -- 8. General Approaches Troubleshooting. -- 9. On-Site Troubleshooting Techniques. -- Appendix A: Building Probes. -- Appendix B: Test Procedures. -- Glossary. -- Bibliography. -- Index. -- About the Authors.
Sommario/riassunto	The Keep It Simple (KISS) philosophy is the primary focus of this book. It is written in very simple language with minimal math, as a compilation of helpful EMI troubleshooting hints. Its light-hearted tone is at odds with the extreme seriousness of most engineering reference works that become boring after a few pages. This text tells engineers what to do and how to do it. Only a basic knowledge of math, electronics, and a basic understanding of EMI/EMC are necessary to understand the concepts and circuits described. Once EMC troubleshooting is demystified, readers learn there are quick and simple techniques to solve complicated problems a key aspect of this book. Simple and inexpensive methods to resolve EMI issues are

discussed to help generate unique ideas and methods for developing additional diagnostic tools and measurement procedures. An appendix on how to build probes is included. It can be a fun activity, even humorous at times with bizarre techniques (i.e., the sticky finger probe).
