Record Nr. UNINA9911006535803321 Autore Bienkowski Pawel Titolo Electromagnetic measurements in the near field / / Pawel Bienkowski, **Hubert Trzaska** Raleigh, NC, : SciTech Pub., c2012 Pubbl/distr/stampa **ISBN** 1-62198-829-5 1-61353-106-0 Edizione [2nd ed.] Descrizione fisica 1 online resource (231 p.) Collana The Scitech series on electromagnetic compatibility Altri autori (Persone) TrzaskaHubert Disciplina 530.14/10287 Soggetti Electromagnetic fields - Measurement Electromagnetic waves Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Rev. ed. of: Electromagnetic field measurements in the near field / Note generali Hubert Trzaska. c2001. Includes bibliographical references and index. Nota di bibliografia Nota di contenuto Contents: Preface: Preface to the Second Edition: Acknowledgments: Chapter 1. Introduction; Chapter 2. The Near Field and the Far Field; Chapter 3. EMF Measurement Methods; Chapter 4. Electric Field Measurement; Chapter 5. Magnetic Field Measurement; Chapter 6. Power Density Measurement; Chapter 7. Directional Pattern Synthesis; Chapter 8. Other Factors Limiting Measurement Accuracy; Chapter 9. Photonic EMF Measurements; Chapter 10. Final Comments; Index This book is devoted to the specific problems of electromagnetic field Sommario/riassunto (EMF) measurements in the near field and to the analysis of the main factors which impede accuracy in these measurements. It focuses on careful and accurate design of systems to measure in the near field

based on a thorough understanding of the fundamental engineering

principles and on an analysis of the likely system errors.