Record Nr.	UNINA9910299673403321
Autore	Singh Hema
Titolo	Active Cancellation of Probing in Linear Dipole Phased Array / / by Hema Singh, N. Bala Ankaiah, Rakesh Mohan Jha
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2015
ISBN	981-287-829-7
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (73 p.)
Collana	SpringerBriefs in Computational Electromagnetics, , 2365-6239
Disciplina	621.384135
Soggetti	Microwaves
	Optical engineering
	Mathematical physics
	Electronics
	Microwayos, RE and Ontical Engineering
	Theoretical Mathematical and Computational Physics
	Electronics and Microelectronics, Instrumentation
Lingua di pubblicazione	Inglese
Lingua di pubblicazione Formato	Inglese Materiale a stampa
Lingua di pubblicazione Formato Livello bibliografico	Inglese Materiale a stampa Monografia
Lingua di pubblicazione Formato Livello bibliografico Note generali	Inglese Materiale a stampa Monografia Description based upon print version of record.
Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di bibliografia	Inglese Materiale a stampa Monografia Description based upon print version of record. Includes bibliographical references and indexes.
Lingua di pubblicazione Formato Livello bibliografico Note generali Nota di bibliografia Nota di contenuto	Inglese Materiale a stampa Monografia Description based upon print version of record. Includes bibliographical references and indexes. Introduction Formulation for Adapted Pattern in Dipole Array Simulation Results: Without Mutual Coupling Mutual Coupling Effect in Array Processing Simulation Results: With Mutual Coupling Edge Effect in Array Processing Conclusion.

1.

established that dipole array along with an efficient algorithm is able to maintain multilobe beamforming with accurate and deep nulls towards each probing source. This work has application to the active radar cross section (RCS) reduction. This book consists of formulation, algorithm description and result discussion on active cancellation of hostile probing sources in phased antenna array. It includes numerous illustrations demonstrating the theme of the book for different signal environments and array configurations. The concepts in this book are discussed in an easy-to-understand manner, making it suitable even for the beginners in the field of phased arrays and adaptive array processing.