

2255-2276

Smart Antennas for Wireless Communications

With MATLAB

Frank B. Gross, PhD

Senior Systems Engineer

Argon ST

Fairfax, Virginia

McGraw-Hill

New York Chicago San Francisco Lisbon London Madrid
Mexico City Milan New Delhi San Juan Seoul
Singapore Sydney Toronto

Contents at a Glance

Preface	xi	
1	Introduction	1
2	Fundamentals of Electromagnetic Fields	9
3	Antenna Fundamentals	37
4	Array Fundamentals	65
5	Principles of Random Variables and Processes	105
6	Propagation Channel Characteristics	123
7	Angle-of-Arrival Estimation	169
8	Smart Antennas	207
Index	267	