
And the Khan editions add Wave Propagation. Reviewed in the United Kingdom on December 1, 2020. Verified Purchase. 5e UJL2017 pp.xxix+984 written by Ahmad S Khan. There are other editions with different dates and authors. If you want other editions see: 1e 1DEC1950 Antennas Kraus hbk US pp.553 2e 1JAN1989 Antennas Kraus US pp.920 International 2e 1APR1988 Antennas Kraus ISE pp.892.Â Propagation of Radio Waves: Guided and unguided. Classification and modes. Ray and Mode models. Ground Wave. Space wave. Surface Wave. Imperfect earth. Curved earth. Â Superb book. Describes each and every point of Antenna theory. I suggest this instead of K D Prasad. Paper quality is also superior compared to K D Prasad. Read more. One person found this helpful. Antennas and Wave Propagation is written for the first course on the same. The book begins with an introduction that discusses the fundamental concepts, notations, representation and principles that govern Â¢â€œSelection from Antennas and Wave Propagation [Book].Â€™Explore a preview version of Antennas and Wave Propagation right now. O’Reilly members get unlimited access to live online training experiences, plus books, videos, and digital content from 200+ publishers. The fourth edition of this book is published in memory of Joe Carr who passed away shortly after completing his manuscript. Joe was a valuable member of the McGraw-Hill family of authors and the electronics community as a whole.Â Introduction to the Fourth Edition ix 1 Introduction to Radio Broadcasting and Communications 1 2 Radio-wave Propagation 5 3 Transmission Lines 59 4 The Smith Chart 95 5 Fundamentals of Radio Antennas 123 6 High-Frequency Dipole and Other Doublet Antennas 141 7 Vertically Polarized HF Antennas 173 8 Multiband and Tunable-Wire Antennas 203 9 Longwire Directional Antennas 213 10 Hidden and Limited-Space Antennas 231 11 Directional Phased Vertical Antennas 245 12. The book contains a separate chapter on antenna measurements, which introduces the practical aspects of antenna characterization. Apart from the ground and sky wave propagation characteristics, the book also discusses propagation models for urban and rural environments, which are used in the design of mobile phone networks. Written in an easy-to-understand manner, the book includes several illustrative examples. A large number of exercise problems with varying difficulty levels are included to reinforce theoretical concepts. A minimal use of mathematical physics and emphasis on conceptual unde