



Foundations of Antenna Engineering: A Unified Approach for Line-of-Sight and Multipath (Hardback)

By Per-Simon Kildal

Artech House Publishers, United States, 2015. Hardback. Book Condition: New. 259 x 185 mm. Language: English . Brand New Book. This is the first textbook that contains a holistic treatment of antennas both for traditional antennas mounted on masts (Line-of-Sight antenna systems) and for small antennas used on modern wireless devices such as smart phones being subject to signal variations (fading) due to multipath propagation. The focus is on characterization, as well as describing classical antennas by modern complex vector theory -- Thereby linking together many disciplines such as electromagnetic theory, classical antenna theory, wave propagation, and antenna system performance. Overall, this book represents a rethinking of the way basic antenna theory is presented. The book contains many references to important old and new papers and books on the analysis and design of the most useful antenna types, for the most interested readers. This book is accompanied by a MATLAB handbook that is used to present all graphs in the book. This can therefore be used to provide initial antenna designs before entering into time-consuming numerical simulations.

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Reviews

Complete guideline! Its this type of great read through. it absolutely was written quite perfectly and helpful. I am very happy to explain how this is basically the best book i actually have read through during my personal life and can be the very best book for at any time.

-- **Joshua Gerhold PhD**

A very awesome book with perfect and lucid reasons. It really is basic but shocks within the 50 percent of the book. Its been designed in an exceptionally easy way and is particularly merely right after i finished reading this ebook where in fact changed me, change the way i think.

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