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Nota di contenuto	Ch. 1. Introduction to electronic warfare antenna systems -- Ch. 2. Principles of electromagnetic radiation -- Ch. 3. Fundamental antenna properties -- Ch. 4. Transmission lines -- Ch. 5. Dipole antennas -- Ch. 6. Monopole antennas -- Ch. 7. Loop antennas -- Ch. 8. Traveling wave antennas -- Ch. 9. Antenna arrays -- Ch. 10. EW applications of antenna arrays -- Ch. 11. Yagi-Uda antennas -- Ch. 12. Frequency independent EW antennas -- Ch. 13. Aperture antennas -- Ch. 14. Electrically small EW antennas -- Ch. 15. Patch antennas -- Ch. 16. EW application of patch antennas -- Ch. 17. Adaptive EW antenna arrays -- Ch. 18. Fractal antennas -- Genetically designed EW antennas -- Ch. 20. Antenna matching -- Ch. 21. Multicouplers, combiners, and diplexers -- Ch. 22. Radomes -- Appendix A. RF amplifiers -- Appendix B. RF switches -- Appendix C. The method of moments -- Appendix D. Properties of dielectric materials.
Sommario/riassunto	This comprehensive book serves as a one-stop resource for practical EW antenna system know-how. Supported with over 700 illustrations and nearly 1,700 equations, this authoritative reference offers you detailed explanations of all the important foundations and aspects of this technology. Moreover, you get an in-depth treatment of a wide range of antenna system applications. The book presents the key characteristics of each type of antenna, including dipoles, monopoles,

loops, arrays, horns, and patches. This authoritative volume enables you to analyze and design broadband communication and radar EW antennas, interface antennas to receivers and power amplifiers with maximum efficiency, use multicouplers to connect multiple receivers to a single antenna, and apply the correct kind of antenna to EW problems.
