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Titolo	Probe Suppression in Conformal Phased Array / / by Hema Singh, Mausumi Dutta, P. S. Neethu
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ISBN	981-10-2272-0
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Note generali	Includes index.
Nota di contenuto	Introduction Steering Vector of Conformal Phased Array Optimal Antenna Excitations and Adapted Pattern Probe Suppression in Spatially Arranged Phased Array Probe Suppression in Dipole Phased Array Mounted on a Right Circular Cylinder Conclusion References Subject Index.
Sommario/riassunto	This book considers a cylindrical phased array with microstrip patch antenna elements and half-wavelength dipole antenna elements. The effect of platform and mutual coupling effect is included in the analysis. The non-planar geometry is tackled by using Euler's transformation towards the calculation of array manifold. Results are presented for both conducting and dielectric cylinder. The optimal weights obtained are used to generate adapted pattern according to a

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book provides a step-by-step approach for analyzing the probe suppression in non-planar geometry. Its detailed illustrations and analysis will be a useful text for graduate and research students, scientists and engineers working in the area of phased arrays, lowobservables and stealth technology.