

1. Record Nr.	UNINA9910778002003321
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Titolo	Detecting and classifying low probability of intercept radar // Phillip E. Pace
Pubbl/distr/stampa	Boston : , : Artech House, , ©2009 [Piscataqay, New Jersey] : , : IEEE Xplore, , [2008]
ISBN	1-5231-1707-9 1-59693-235-X
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (892 p.)
Collana	Artech House radar library
Disciplina	623/.7348
Soggetti	Low probability of intercept radar Radar - Military applications Signal detection - Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	To see and not be seen -- LPI technology and applications -- Ambiguity analysis of LPI waveforms -- FMCW radar -- Phase shift keying techniques -- Frequency shift keying techniques -- Noise techniques -- Over-the-horizon radar -- Case study: Antiship LPI missile seeker -- Network-centric warfare and netted LPI radar systems -- Strategies for intercepting LPI radar signals -- Wigner-Ville distribution analysis of LPI radar waveforms -- Choi-Williams distribution analysis of LPI radar waveforms -- LPI radar analysis using quadrature mirror filtering -- Cyclostationary spectral analysis for detection of LPI radar parameters -- Antiradiation missiles -- Autonomous classification of LPI radar modulations -- Autonomous extraction of modulation parameters -- Appendixes.
Sommario/riassunto	"This comprehensive book presents LPI radar design essentials, including ambiguity analysis of LPI waveforms, FMCW radar, and phase-shift and frequency-shift keying techniques. Moreover, you find details on new OTHR modulation schemes, noise radar, and spatial multiple-input multiple-output (MIMO) systems. The book explores autonomous non-linear classification signal processing algorithms for identifying LPI modulations. It also demonstrates four intercept receiver signal

processing techniques for LPI radar detection that helps you determine which time-frequency, bi-frequency technique best suits any LPI modulation of interest."--Publisher.
