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| Autore | Pace Phillip E. |
| Titolo | Detecting and classifying low probability of intercept radar // Phillip E. Pace |
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| 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.
