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Steganography Detected?; 2.13#Link Jamming ; 2.13.1#Communication Jamming; 2.13.2#Required J/S for Jamming Digital Signals; 2.13.3#Protections Against Link Jamming; 2.13.4#The Net Impact on Link Jamming ; 3 Legacy Radars; 3.1#Threat Parameters; 3.1.1#Typical Legacy Surface-to-Air Missile. 3.1.2#Typical Legacy Acquisition Radar3.1.3#Typical Anti-Aircraft Gun; 3.2#EW Techniques; 3.3#Radar Jamming ; 3.3.1#Jamming-to-Signal Ratio; 3.3.2#Self-Protection Jamming; 3.3.3#Remote Jamming; 3.3.4#Burn-Through Range; 3.4#Radar-Jamming Techniques; 3.4.1#Cover Jamming; 3.4.2#Barrage Jamming; 3.4.3#Spot Jamming; 3.4.4#Swept Spot Jamming; 3.4.5#Deceptive Jamming; 3.4.6#Range Deception Techniques; 3.4.7#Angle Deceptive Jamming; 3.4.8#Frequency Gate Pull Off; 3.4.9#Jamming Monopulse Radars; 3.4.10#Formation Jamming; 3.4.11#Formation Jamming with Range Denial; 3.4.12#Blinking. 3.4.13#Terrain Bounce3.4.14#Cross-Polarization Jamming; 3.4.15#Cross-Eye Jamming; References; 4 Next Generation Threat Radars; 4.1#Threat Radar Improvements; 4.2#Radar Electronic Protection Techniques; 4.2.1#Useful Resources; 4.2.2#Ultralow Side Lobes; 4.2.3#EW Impact of Reduced Side-Lobe Level; 4.2.4#Side-Lobe Cancellation; 4.2.5#Side-Lobe Blanking; 4.2.6#Monopulse Radar; 4.2.7#Cross-Polarization Jamming; 4.2.8#Anti-Cross-Polarization; 4.2.9#Chirped Radar; 4.2.10#Barker Code; 4.2.11#Range Gate Pull-Off; 4.2.12#AGC Jamming; 4.2.13#Noise-Jamming Quality.

Sommario/riassunto

The fourth book in the bestselling Artech House EW 100 series is dedicated to reviewing legacy threats and discussing new threats which have arisen since Y2K in communications, radar, and IR threats. Like its predecessors, EW 104 presents a series of highly informative and easy-to-comprehend tutorials, along with insightful introductory and connective material that helps you understand how each aspect fits together. This reference starts with a review of the generalities of legacy threats, from the technical point of view, with a focus on what makes the new threats more challenging. Readers are.
