



Meter-Wave Synthetic Aperture Radar for Concealed Object Detection (Hardback)

By Hans Hellsten

Artech House Publishers, United States, 2017. Hardback. Condition: New. Language: English . Brand New Book. This book presents the principles of meter wavelength synthetic aperture radar, bandwidth and SAR imaging. It focuses on foliage penetration and scattering of VHF/UHF radar signals, including the basic laws of electromagnetism, homogeneous media, media/non-flat media discontinuities and ground reflectivity. The characterization of additive noise, antenna systems, waveforms and emission adaption is critical information to the advancement in sensor and signal processing for below ground imaging. It also compares collected SAR data and highlights low frequency SAR system design aspects. Professionals in the radar space, especially engineers in the defence and security space and government officials looking to assess potential of low frequency radar, will find the material helpful and up-to-date.

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