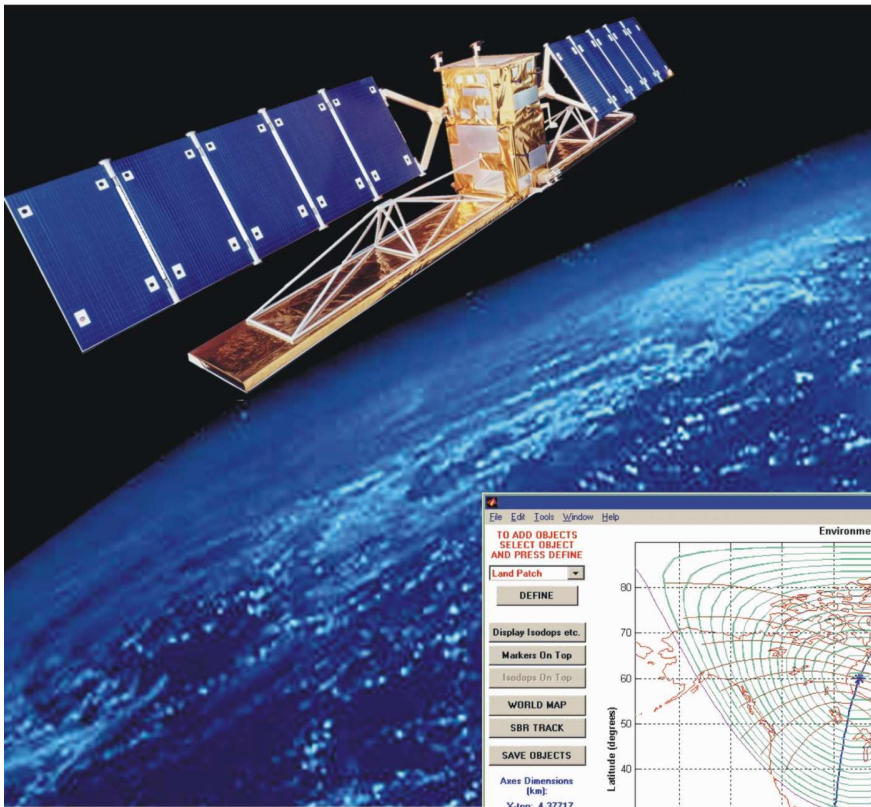


radarsim[®]sbr

World Class design tool for Space-Based Radar that delivers... ...big results, big advantages

Introducing **RADARSIM[®]SBR**, a system and signal level modelling tool with unparalleled capabilities. It will accelerate your R&D programs and improve design quality. Use it from System Definition stage to final Acceptance Testing to get a complete and accurate prediction of the in-mission radar signal performance.



Global Mission Modeling Capability

- Orbital mechanics, targets and clutter
- World map scenario visualization

Radar Equipment Definition

- Antennas, receivers, transmitter
- Pulse waveform, filters, ADC

Signal Generation

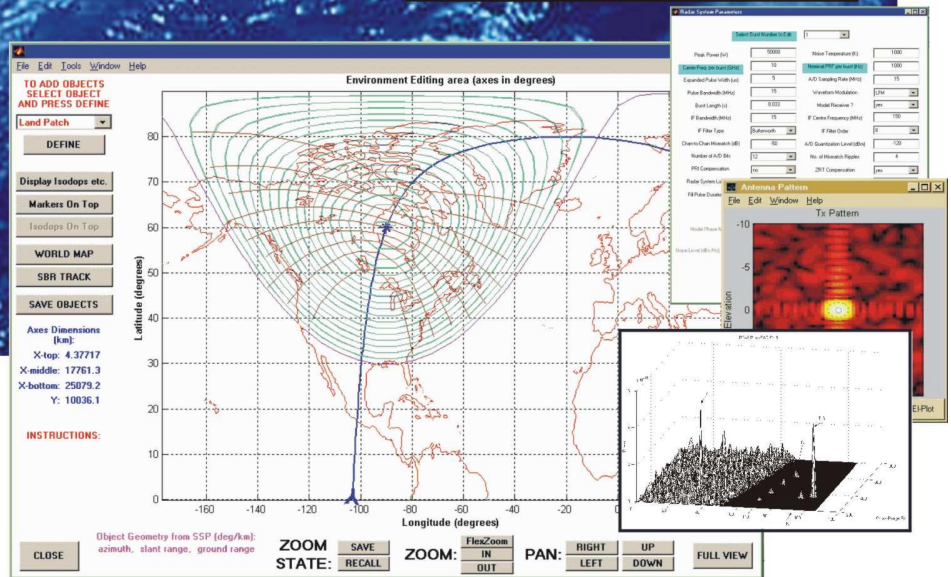
- Finite-element over field of view
- Generates complex I-Q signals
- Batch generation for multiple scenarios

Advanced Radar Processing Algorithms

- Pulse Doppler
- Moving Target Indicator (MTI)
- Displaced Phase Centre Antenna (DPCA)
- Space Time Adaptive Processing
- Synthetic Aperture Radar (SAR)
- SAR-MTI
- CFAR detection

Post-Analysis

- Statistics and data visualization
- Improvement factors



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