








SE-Workbench-RF: Radio-Frequency software package description

ADVANCED EDITION

The ADVANCED EDITION of the SE-Workbench-RF solution enables the experimented users to work with the advanced technology of the OKTAL-SE software. Radar signal, RCS computation, narrow beam approximation SAR images and EM field propagation can be computed using ray-tracing technology implementing asymptotic methods. Import capabilities are provided in order to use existing 3D terrain databases and 3D objects. Advanced functions are provided to work on 3D objects and enhance the database of physical material. Import capabilities are provided in order for the user to work on existing 3D objects. A plug-in to 3DSMax™ modeling tool is delivered. The application-programming interface enables to integrate the computation process in a customer application.

The ADVANCED EDITION includes 3D objects samples, a set of Physical Materials, the User Manuals, the Format documentation and a full description of the implemented Physical Models.

SE-Workbench-RF ADVANCED EDITION	
Synthetic environment modeling:	
Import capability:	 SE-FFT  SE-CLASSIFICATION  SE-PHYSICAL-MODELER <i>samples: urban and rural</i> <i>samples of 3D objects</i>
3D terrain:	
3D objects:	
Integration and signal rendering:	
Scenario edition:	 SE-SCENARIO
Software integration:	 SE-TOOLKIT
Advanced rendering:	 SE-RAY-EM  SE-RAY-RCS
Documentation:	
Software:	User Manuals Format description Integration developer manual
Physical Models:	Physical Models documentation Validation Dossier documentation
Tutorial:	SE-TOOLKIT tutorial