



FEATURES

- Automatic acquisition and processing of multiple data files
- Custom modifications of near-field data prior to processing
- User-defined calculations of antenna parameters
- Custom probe motion recording
- Near-field data simulation
- Scripting capabilities with built-in script tool kit
- Full customization of NSI2000 using scripts
- Measured probe pattern correction
- Active test procedures
- Link to 3rd Party software (Office, Matlab,..)
- Spherical NF alignment automation
- Control of third party hardware
- Dynamic structure correction
- Auto phase center determination
- Beam pointing calculator
- Automated boresighting (pointing) analysis
- Data file editing via Excel®
- Polarization analysis
- Parametric studies with plot overlays:
FFT size, coordinate system variation, phase center adjustment, etc.

DESCRIPTION

NSI2000 Professional Edition includes a powerful scripting tool for making custom acquisition and processing scripts. These give the user complete and automated control of the NSI2000 software. Scripts are constructed using the Script Construction Kit.

Scripts are written in a VB-like language. They can include commands to control every operation from the menu and dialog interfaces. In addition, scripts allow to call user defined functions or to control other equipment by calling routines in DLL's. This includes access to Windows® API functions. Scripts can even create a graphical user interface!

Active Test Procedure

One of the most exciting features of the NSI2000 Professional Edition is the Active Test Procedure. This allows the user to create a Word document or Excel spreadsheet to control an NSI2000 measurement or processing task. A sample Active Test Procedure might contain a table of near-field parameters and a button that sets up a test. The "Run test" button starts the acquisition, and the processing buttons will process the measured data and save the results in the document. The Active Test Procedure can be as simple as a one-button test or it can be written to perform complex data manipulations and fill in a custom test report. All this can be done without changing any of the NSI-MI software.

COMPATIBILITY

- **Windows® 10**
- **NSI2000 Standard Edition**

OPTIONAL SOFTWARE COMPONENTS

- **Motion Tracking Interferometer (MTI)**
- **Mathematical Absorber Reflection Suppression (MARS)**
- **Equivalent Isotropically Radiated Power (EIRP)**

STANDARD COMPONENTS

- **NSI2000 Professional Edition Upgrade**
- **Software Manual**
- **Software User License**