



News

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MI-3046 Spherical Near-Field Software Released

ATLANTA: MI Technologies announced today it has released its' updated MI-3046 Spherical Near-Field Analysis Software product. The updated Spherical Near-Field Analysis in conjunction with the basic MI-3000 Data Acquisition and Analysis software, provides the following major functions for Spherical Near-Field measurements:

- Transformation of the near-field data to the far field at any radius with data collected in several standard coordinate systems.
- Back projection of the far field data to the aperture plane of the antenna or any Z distance from the aperture.
- Rotation of the far field data to any of the major coordinate systems with options for the polarization basis in each coordinate system. One rotation option is rotation by an arbitrary set of Euler angles.
- *Isofilter*TM processing to reduce extraneous signals or isolate segments of the measurement sphere, such as individual elements of an array antenna.
- Far field data scaled for directivity or gain. Gain can be via the gain insertion loss or standard gain substitution techniques.
- Probe correction using synthesized, measured or NIST format probe data

Marion Baggett, manager of Applications and Systems Engineering at MI Technologies, said, "In using the MI-3046 Spherical Near-Field Analysis Software, the analyst can obtain any desired far field data or the field distribution of the antenna aperture. Tools such as the *Isofilter*TM processing, probe correction, modal filtering and rotation of the far field data provide the most comprehensive spherical near-field processing suite available. In addition, the revised user interface increases ease of use for the analyst."

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For more information about MI Technologies MI-3046 Spherical Near-Field Analysis Software or other products, systems and services contact sales@mi-technologies.com or dial +1-678-475-8300 , or visit our web site at <http://www.MI-Technologies.com/>

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MI Technologies, (www.mi-technologies.com), headquartered in Suwanee, Georgia, delivers engineering solutions and advanced products, systems, and software to address a wide range of technical applications where precise measurement, control or data acquisition is required. For more than 50 years, the business has been a leading supplier of products, systems and services for RF and Microwave antenna, radome, and radar cross section (RCS) testing. MI Technologies' test, measurement and precision motion control products are used in research, development, monitoring and manufacturing processes worldwide.

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