

## DESCRIPTION

For some measurement applications, such as testing of antennas on automotive vehicles, spherical near-field data is collected over a ground plane. The presence of the ground plane limits measurements to one hemisphere or less about the device under test. This limitation introduces significant errors into the measurement as a result of truncation of the near-field data and other ground plane effects. NSI-MI Technologies' Ground Plane Data Simulator software provides the capability of compensating for the effects of the ground plane by synthesizing appropriate data in the hemisphere near and below the ground plane.

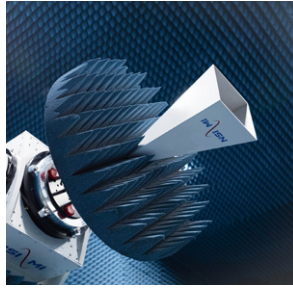
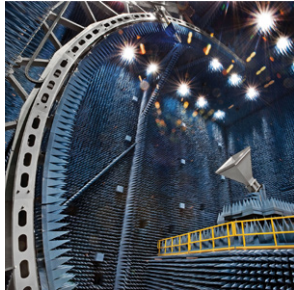
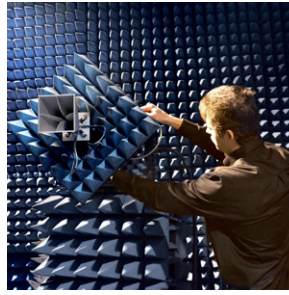
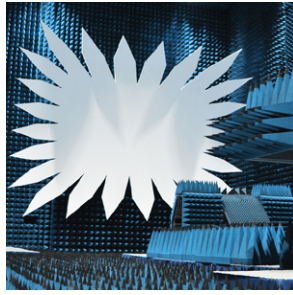
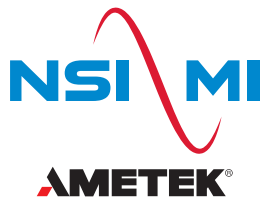
The Ground Plane Data Simulator software features several user parameters to drive how data is synthesized for any missing data in the hemisphere above and below the ground plane. For the data synthesized in the hemisphere below the ground plane, the user can select to represent the lower hemisphere as null data, representing an absorber covered ground plane or the image of the upper hemisphere, representing a metal ground plane.

## COMPATIBILITY

- Windows® 7, 10
- Arena Data Acquisition Software

## STANDARD COMPONENTS

- Ground Plane Data Simulator Software
- Software Manual



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## LOCATIONS

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