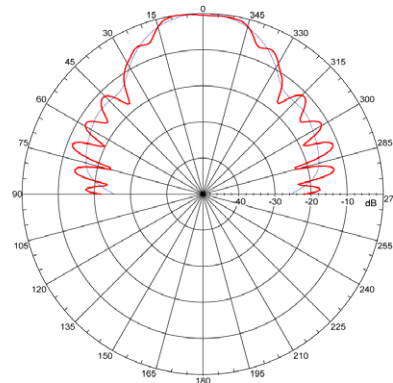
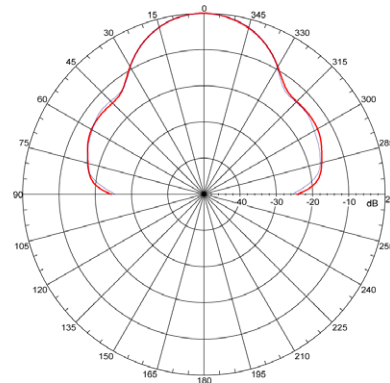




Far-Field Amplitude



No Correction



MARS Correction Applied

FEATURES

- **Suppression of chamber and system reflections**
- **Suppression of radome and gantry reflections**
- **Improved gain and directivity measurement results**
- **Improved sidelobe and cross-polarization results**

DESCRIPTION

Reflections in antenna test ranges can often be the largest source of measurement error, dominating all other errors. The MARS reflection suppression software uses a new technique developed by NSI-MI to suppress reflections from many sources in far-field and near-field antenna test ranges. The technique, named Mathematical Absorber Reflection Suppression (MARS), is a post-processing technique that involves analysis of the measured data and a special filtering process to suppress the undesirable scattered signals. This technique can be applied to any range and has also been applied to extend the useful frequency range of microwave absorber in anechoic chambers.

CAPABILITIES

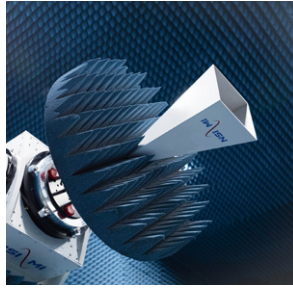
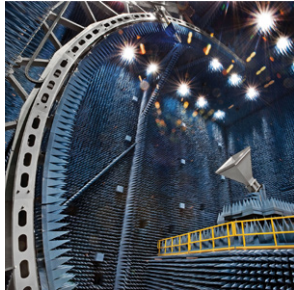
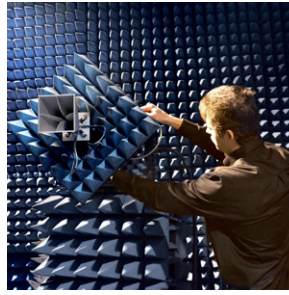
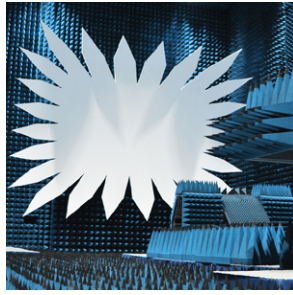
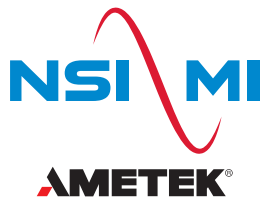
The MARS software can suppress and/or remove reflections from reflection sources such as a radome or gantry in a far-field or near-field range, as well as improve the performance of a system in a conventional anechoic chamber. There is no additional hardware required to use the technique and a 10 dB to 20 dB improvement in performance can typically be achieved.

COMPATIBILITY

- **Windows® 10**
- **NSI2000 Professional Edition**

STANDARD COMPONENTS

- **MARS Software**
- **Software Manual**



Test
with
Confidence

LOCATIONS

1125 Satellite Blvd., Suite 100
Atlanta, Georgia 30024-4629
USA
+1 678 475 8300

19730 Magellan Drive
Torrance, CA 90502-1104
USA
+1 310 525 7000

Unit 51 Harley Road
Sheffield, S11 9SE
UK
+44 7493 235224

NSI-MI Technologies introduced the world to microwave antenna measurement systems and is the preferred global supplier of antenna, radar cross section, and radome measurement solutions. Today, our innovative products, systems, and services lead the industry in setting new standards for tomorrow's performance. From world-class in-house testing facilities to delivering industry-leading turnkey systems, we provide the highest quality measurement products on the market.

Our full range of standard products and custom-designed systems are backed by our longstanding commitment to precision-engineered accuracy, reliability, and lasting performance. We provide the right solution for every RF measurement need and our worldwide network of service professionals are always available to offer support.

For more information on ordering AMETEK NSI-MI Technologies' products, applications or services please contact your nearest NSI-MI office. Our complete sales team information is available at: www.nsi-mi.com/contact-us

ISO 9001:2015 CERTIFIED

