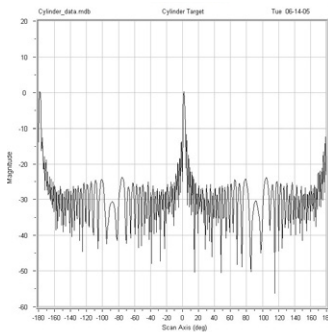
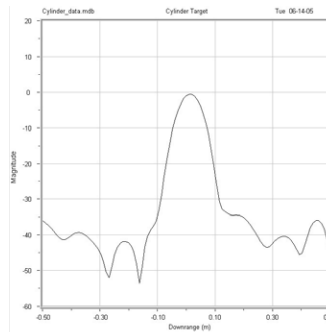




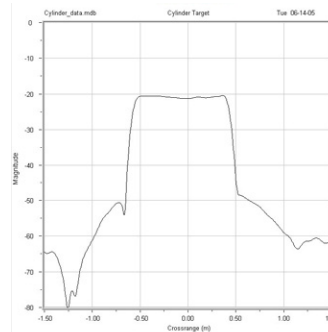
RCS vs Aspect Processing



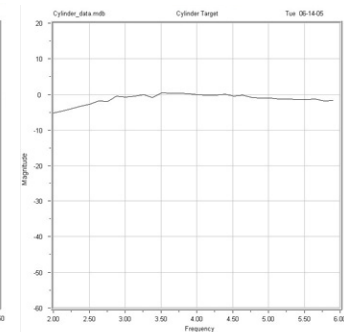
RCS vs Range



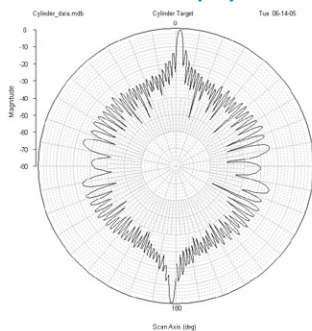
RCS vs Cross Range



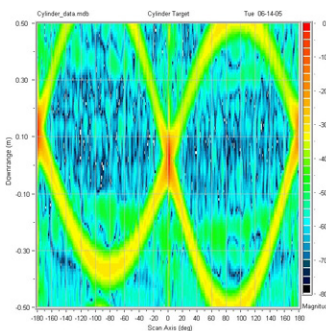
RCS vs Frequency



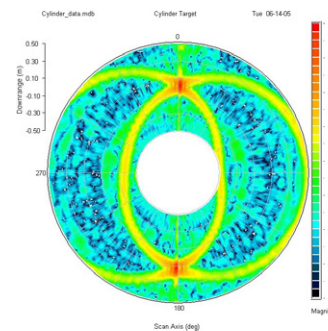
RCS vs Aspect Processing Polar Display



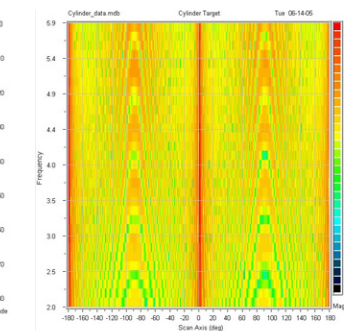
RCS vs Range vs Aspect



RCS vs Range vs Aspect Polar Format



RCS vs Frequency vs Aspect



DESCRIPTION

NSI-MI’s RCS Analysis software provides the capability to process data acquired in radar cross section acquisitions. Functions are provided to compensate for background subtraction and target calibration. The corrected data can be processed to generate various outputs such as RCS versus frequency, aspect; RCS versus downrange, aspect; cross-range; focused/unfocused ISAR imaging; temporal doppler, and range walk among others. Zero doppler subtraction and software gating functions are also provided. RCS Analysis also includes a drift correction utility to compensate for drift in long RCS acquisitions. With the RCS Analysis software gating function, RCS data can be collected with a CW system. However, to use the software gating function, all data must be collected in multiple frequency mode. Consult NSI-MI Technologies for available gating systems. RCS analysis solutions are subject to U.S. export restrictions.

PLOTS

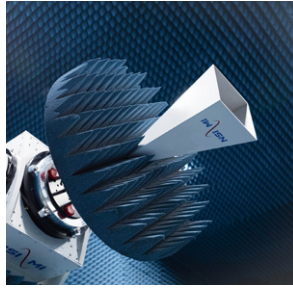
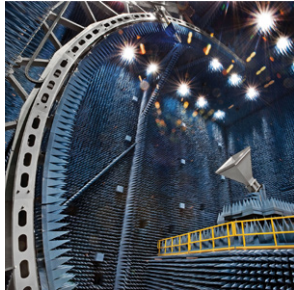
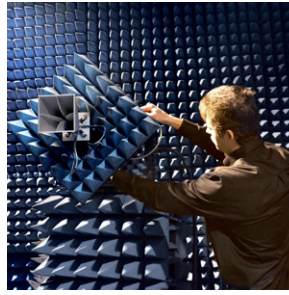
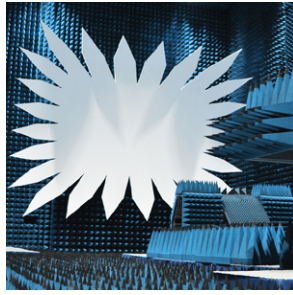
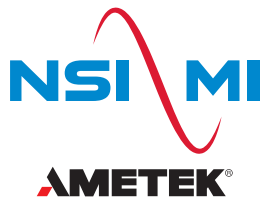
The plots shown above were taken using horizontal cylinder target and come from a single data file. Data taken on a 36 cm (14 in.) diameter sphere was used as the calibration data.

COMPATIBILITY

- Windows® 7, 10
- Arena Data Acquisition Software

STANDARD COMPONENTS

- RCS Analysis Software
- Software Manual



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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

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