

NSI-SU-5300

Chamber Imaging and Range Probing Service



DESCRIPTION

NSI's Chamber Imaging and Range Probing Service will help you insure your test range provides you with the optimum and documented performance for your antenna and RCS measurement facility. NSI engineers will bring a quiet zone field probe on-site to your facility and characterize the amplitude and phase flatness of the quiet zone in your indoor or outdoor far-field range or your Compact Antenna Test Range (CATR). Our analysis capability with the 2D scanned data will also allow the identification of scattering sources and RF leakages.

CAPABILITIES

NSI's engineers have characterized quiet zone performance and performed diagnostic tests on numerous far-field and CATR ranges. See our published technical papers on the subject on our website

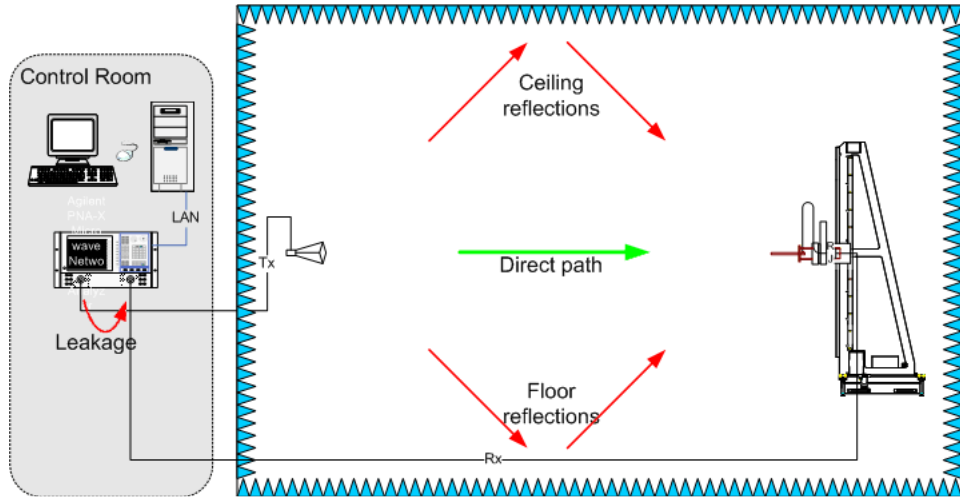
Anechoic Chamber Diagnostic Imaging (<http://www.nearfield.com/amta/amta92p1.htm>)

Anechoic Chamber Evaluation (<http://www.nearfield.com/amta/amta94kh.htm>)

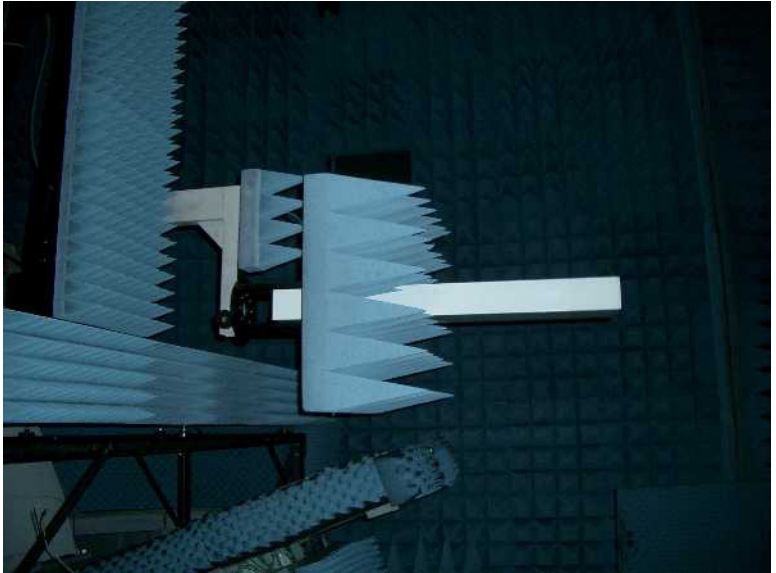
FEATURES

- Probing of quiet zone area for amplitude and phase ripple
- 2-D CW SAR imaging of reflections in chamber
- Report on range performance and recommendations for improvements
- Isolation of leakage and reflections in chamber
- Determination of faulty RF equipment
- Summary report of data and recommendations for improvement

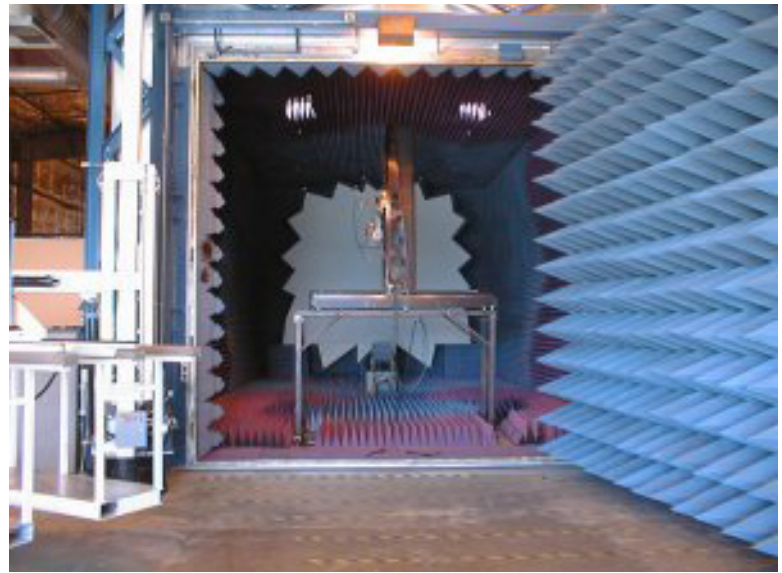
SPECIFICATIONS	
Scan area	5' x 5' (1.5m x 1.5m)
Position accuracy	0.002" (0.05 mm) RMS
Frequency range	Application specific
Microwave probes used	NSI standard Open Ended Waveguide (OWEG) Probes



Chamber Evaluation Block Diagram



NSI-SU-5300 Scanner with L-band microwave probe



NSI-SU-5300 Scanner inside CATR for field probing

DIMENSIONS

- ◆ Width - N/A
- ◆ Depth - N/A
- ◆ Height - N/A

ORDERING INFORMATION

Please contact the NSI Sales department to order this product.

Nearfield Systems, Incorporated

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