



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SOUTHWEST RESEARCH INSTITUTE
Structural Dynamics Department
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San Antonio, TX 78228-5166
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ELECTRICAL (EMC)

Valid To: March 31, 2012

Certificate Number: 1110.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following electromagnetic compatibility (EMC/EMI) tests:

Test Technology:

Test Method:

Product Family Generic Standards

EN 61000-6-1 (2001);
EN 61000-6-2 (2001);
EN 61000-6-3 (2001);
EN 61000-6-4 (2001);
EN 300 386 v1.4.1 (2008);
EN 300 132-2 v2.2.2 (2007-10);
EN 300 132-3 v1.2.1 (2003-08);
EN 61326 (1997);
Telcordia GR-1089-CORE Issue 5 (*Excluding sections 4.7, 4.9, and 4.10 [except section 4.10.5]*);
IEC 60601-1-2 (2004)

Radiated and Conducted Emissions
(*up to 1 GHz*)

CFR 47 FCC Part 15, using ANSI C63.4 (2003);
MIL-STD-461D, MIL-STD 461E, MIL-STD 461F;
EN 55022 (1998);
EN 55011 (1998);
CISPR 11 (2003);
CISPR 22 (1997);
CNS 13438 (mains only);
ICES-003;
Telcordia GR-1089-CORE Issue 5

Electrostatic Discharge (ESD)

Telcordia GR-1089-CORE Issue 5
IEC 61000-4-2;
EN 61000-4-2 (2001)

Radiated Immunity

Telcordia GR-1089-CORE Issue 5;
MIL-STD-461D, MIL-STD 461E, MIL-STD 461F;
IEC 61000-4-3 (2002);
EN 61000-4-3 (2003)

Test Technology:

Test Method:

Conducted Immunity

Telcordia GR-1089-CORE Issue 4;
MIL-STD-461D, MIL-STD 461E, MIL-STD 461F;
IEC 61000-4-6 (2004);
EN 61000-4-6 (1996) (*Clamp injection only*)

Electrical Fast Transient /
Burst Immunity

Telcordia GR-1089-CORE Issue 5;
IEC 61000-4-4 (2004);
EN 61000-4-4

Surge Immunity & Voltage Spikes

IEC 61000-4-5;
EN 61000-4-5 (1995)

Voltage Dips, Short Interruptions

IEC 61000-4-11 (2004);
EN 61000-4-11

Harmonic Current Emissions

EN 61000-3-2 (2000)

Voltage Fluctuations and Flicker

EN 61000-3-3 (1995) / A1 2001



World Class Accreditation

The American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

SOUTHWEST RESEARCH INSTITUTE

San Antonio, TX

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General Requirements for the Competence of Testing and Calibration Laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 22nd day of October 2010.



A handwritten signature in black ink, reading "Peter Rhyne".

President & CEO
For the Accreditation Council
Certificate Number 1110.01
Valid to March 31, 2012

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.