

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SOUTHWEST RESEARCH INSTITUTE  
Electromagnetic Compatibility Research (EMCR) Section  
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ELECTRICAL (EMC)

Valid to: September 30, 2010

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(s)
<b><i>Product Family Generic Standards</i></b>	EN 50081-1, EN 50081-2, EN 50082-1; EN 55024, EN 55024 (1994) / A1 (2000) / A2 (2003); EN 61000-6-1; EN 61000-6-1 (2001); EN 61000-6-2; EN 61000-6-2 (2001); EN 61000-6-3; EN 61000-6-3 (2001); EN 61000-6-4; EN 61000-6-4 (2001); EN 300 386, EN 300 386 v1.3.2 (2003); EN 300 132-2, EN 300 132-3; EN 61326; Telcordia GR-1089-CORE Issue 4, <i>(Excluding sections 4.7, 4.9, and 4.10 [except section 4.10.5]);</i> IEC 60601-1-2, IEC 60601-1-2 (2001)
<b><i>Emissions Measurements Radiated and Conducted</i></b>	CFR 47 FCC Part 15 (ANSI C63.4:2003); CFR 47 FCC Part 18 (FCC MP-5); MIL-STD-461D, MIL-STD 461E, MIL-STD 461F; EN 55022, EN 55022 (1998); EN 55011, EN 55011 (1998); CISPR 11, CISPR 11 (2003); CISPR 22, CISPR 22 (1997); CNS 13438 ; ICES-003; Telcordia GR-1089-CORE Issue 4

Test Technology	Test Method(s)
<b><i>Electrostatic Discharge</i></b>	IEC 61000-4-2; EN 61000-4-2, EN 61000-4-2 (2001); Telcordia GR-1089-CORE Issue 4
<b><i>Radiated Immunity</i></b>	Telcordia GR-1089-CORE Issue 4; MIL-STD-461D, MIL-STD 461E, MIL-STD 461F; IEC 61000-4-3 (2002); EN 61000-4-3, EN 61000-4-3 (2003)
<b><i>Conducted Immunity</i></b>	IEC 61000-4-6 (2004); EN 61000-4-6 (1996), EN 61000-4-6; (Clamp injection only) Telcordia GR-1089-CORE Issue 4; MIL-STD-461D, MIL-STD 461E, MIL-STD 461F
<b><i>Electrical Fast Transient/Burst Immunity</i></b>	IEC 61000-4-4 (2004); EN 61000-4-4; Telcordia GR-1089-CORE Issue 4
<b><i>Surge Immunity &amp; Voltage Spikes</i></b>	IEC 61000-4-5; EN 61000-4-5, EN 61000-4-5(1995)
<b><i>Voltage Dips, Short Interruptions</i></b>	IEC 61000-4-11 (2004) ; EN 61000-4-11
<b><i>Harmonic Current Emissions</i></b>	EN 61000-3-2 (2000)
<b><i>Voltage Fluctuations and Flicker</i></b>	EN 61000-3-3, 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 3<sup>rd</sup> day of September 2008.



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

President & CEO  
For the Accreditation Council  
Certificate Number 1110.01  
Valid to September 30, 2010  
Revised June 10, 2010

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