



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

THOMSON LAB SERVICES¹
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ELECTRICAL

Valid To: February 29, 2012

Certificate Number: 2616.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the laboratory's compliance with A2LA's EPA ENERGY STAR Accreditation Program² requirements), accreditation is granted to this laboratory to perform the following electromagnetic compatibility, product safety, and telecommunications tests on Information Technology Equipment (ITE), Set Top Boxes, Broadcast Receivers:

Test Technology

Test Method(s)

Electromagnetic Compatibility

Conducted Emissions
Electrostatic Discharge
Surge Immunity

FCC CFR 47, Part 15 using ANSI C63.4
IEC/EN 61000-4-2
IEC/EN 61000-4-5

Product Safety

ITE

Normal Operating Conditions
Input Current
Determination of Working Voltage
Limited Current Circuits
Limited Power Source
Markings

Heating Under Normal Operating Conditions

UL 6500 2nd Edition (Clause 4.2)
UL/CSA/IEC 60950-1 1st Edition (Clause 1.6.2)
UL/CSA/IEC 60950-1 1st Edition (Clause 2.10)
UL/CSA/IEC 60950-1 1st Edition (Clause 2.4)
UL/CSA/IEC 60950-1 1st Edition (Clause 2.5)
UL 6500 2nd Edition (Clause 5);
UL/CSA/IEC 60065 7th Edition;
CSA E60065-00 (Clause 5.1);
UL/CSA/IEC 60950-1 1st Edition (Clause 1.7)
UL 6500 2nd Edition (Clause 7);
UL/CSA/IEC 60065 7th Edition;
CSA E60065-00 (Clause 7)

Test Technology

Test Method(s)

Winding Insulation Test	UL 6500 2 nd Edition (Clause 8.8)
Electric Shock Hazard Under Normal Operating Conditions	UL 6500 2 nd Edition (Clause 9); UL/CSA/IEC 60065 7 th Edition; CSA E60065-00 (Clause 9)
Clearances	UL/CSA/IEC 60065 7 th Edition; CSA E60065-00 (Clause 13)
Energy Hazards	UL/CSA/IEC 60950-1 1 st Edition (Clause 2.1)
Resistance of Safety Earth Connections	UL/CSA/IEC 60065 7 th Edition; CSA E60065-00 (Clause 15.2)
Voltage Surge Test	UL/CSA/IEC 60950-1 1 st Edition (Clause 2.6)
Insulation Resistance and Dielectric Strength	UL 6500 2 nd Edition (Clause 10.1)
	UL 6500 2 nd Edition (Clause 10.3)
	UL/CSA/IEC 60065 7 th Edition; CSA E60065-00 (Clause 10)
Fault Conditions	UL 6500 2 nd Edition (Clauses 4.3, 11)
	UL/CSA/IEC 60065 7 th Edition; CSA E60065-00 (Clause 11)
	UL/CSA/IEC 60950-1 1 st Edition (Clause 5)
Resistors	UL/CSA/IEC 60065 7 th Edition; CSA E60065-00 (Clause 14.1)
SELV Circuits	UL/CSA/IEC 60950-1 1 st Edition (Clause 2.2)
<i>Telecommunications</i>	CFR 47 FCC Part 68; ACTA TIA-968-A (Sections 4.2.2, 4.2.3 only)
<i>ENERGY STAR Testing</i>	
Set-top Boxes & Cable Boxes	ENERGY STAR Test Method for Set-top Boxes (Testing Products for ENERGY STAR) ENERGY STAR Program for Set-top Boxes, Version 2.0, Section 4, page 11

¹ This accreditation covers testing performed at the main laboratory listed above, and at the satellite laboratory indicated below.

2 - A2LA provides accreditation to the U.S. EPA's [Conditions and Criteria for Recognition of Laboratories for the ENERGY STAR Program](#) by verifying an organization's compliance to A2LA document [R222 - Specific Requirements - EPA ENERGY STAR Accreditation Program](#) and to the related test methods listed above

Accreditation by A2LA does not infer Recognition by the EPA for ENERGY STAR testing. Please verify this organization's recognition status at the EPA's website, located at http://www.energystar.gov/index.cfm?c=partners.epa_recognized_laboratories

THOMSON LAB SERVICES
18774 DeShane Road
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Test Technology

Radiated Emissions
(3 m OATS, up to 5 GHz)

Test Method(s)

FCC CFR 47, Part 15 using ANSI C63.4



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

THOMSON LAB SERVICES

Indianapolis, IN

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 4th day of February 2010.





Peter Abney

President & CEO
For the Accreditation Council
Certificate Number 2616.01
Valid to November 30, 2011
Extended to February 29, 2012

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