

**Announcing the ISO/IEC 17025:2005 Accreditation by A2LA of
Acme Testing Co.'s new Spokane Valley EMC Test Facility**



Acme Testing Company is pleased to announce that its new, 3750 sq. ft, fully weather-protected Spokane Valley EMC Test Facility, located at 4428 North Sullivan Road, Spokane Valley, WA 99216 is now A2LA Accredited! (See A2LA Accreditation Certificate # 0829.02).

Acme Testing Co.'s new Spokane Valley EMC Test Facility includes a custom-built, climate-controlled, 59 ft long X 36 ft wide X 27 ft high, peaked-roof RF Transparent building which houses an ANSI C63.4:2003-compliant 3 metre / 10 metre Open Area Test Site [OATS] complete with a computer-controlled 4 metre Antenna Tower Mast and a computer-controlled 2.4 metre [8 ft] diameter flush-mounted Turntable rated for 455 kg [1,000 lbs] loads. Also, because the OATS Ground Plane is at grade-level, and is accessible via double doors having a 6 ft wide X 7 ft high opening, there is direct, easy, and safe access to the Turntable for Equipment to be tested. In addition to the OATS, Acme Testing Co.'s new Spokane Valley EMC Test Facility includes a complete 1875 sq. ft EMC Laboratory located "below the Ground Plane". The "below the Ground Plane" EMC Laboratory includes Screen Rooms, equipment storage areas, office space for both clients and staff, a technical library, and a convenient location (just below the Turntable) for the installation of client-supplied Test Support Equipment. A Ramp allows clients to easily bring their Test Support Equipment directly into the "below the Ground Plane" EMC Laboratory via double doors having a 6 ft wide X 7 ft high opening.

Acme Testing Co.'s new Spokane Valley EMC Test Facility replaces our old Plummer, Idaho Site, which is now closed. We have relocated the Test and Support Equipment, as well as everyone's favorite Test Engineers – Bob Schwartz (from the old Plummer, Idaho Site), and, Jim Adams (formerly of Keytronic EMS). In addition, we have added: a newly-refurbished, computer-controlled, 20 Hz to 18 GHz Detection System (including a set of Preamplifiers covering the entire range for enhanced sensitivity), as well as a complete suite of low-loss coaxial cables, antennas, and LISNs for more accurate AC (and DC) Conducted Emissions and Radiated Emissions measurements; a new Telecom I/O Lines Conducted Emissions test capability; and, new ESD, EFT/Burst, and +/- 6 kV Lightning Surge (Combination Wave and 100 kHz Ringwave) test capabilities.

In addition, Acme Testing Co.'s new Spokane Valley EMC Test Facility eliminates all of the difficulties that our clients experienced at our old Plummer Idaho Site. At the new Spokane Valley EMC Test Facility, you will experience:

- Full 5-day per week staffing availability. (Two highly experienced Test Engineers – Bob Schwartz and Jim Adams – are available to serve your needs).
- A climate-controlled "shirtsleeves" working environment for you and your equipment.
- A fully weather-protected 3 metre /10 metre Open Area Test Site that includes "below Ground Plane" work areas for your support equipment.
- Broadband Internet Access.
- Plenty of storage space for your equipment
- Office cubicle spaces for your use (equipped with desks, chairs, telephones, convenient electrical outlets, and good lighting).
- Easy and convenient access via good roads to nearby restaurants.

At the new Spokane Valley EMC Test Facility, you will NOT experience:

- The joy of trudging through the snow (or being rained upon) while setting up and tearing down your equipment.
- Test delays while ice and/or pine needles are being cleared from the Open Area Test Site.
- Long drives on dangerous roads in inclement weather.
- Turntable weight limitations. (The Turntable is rated for a 1,000 lb maximum load).
- The need to use portable (unheated) sanitary facilities. (Yes, we do have indoor plumbing!)
- Exposure to diesel generator set noise. (A 22 Ampere-rated single-phase electronic AC Source provides the 50 Hz/230 VAC Power needed for "CE Mark" EMC Testing).
- Cramped working space. (The new Spokane Valley EMC Test Facility is occupancy-rated for 15 persons).

Since 07 November 2005, we have been offering pre-compliance testing and evaluation testing/mitigation engineering at the new Spokane Valley EMC Test Facility. On Friday 2 December 2005, we successfully completed our A2LA Accreditation Audit.

Now, as from 27 January 2006, we are able to offer ISO/IEC 17025:2005-Accredited formal compliance testing (with a substantially expanded Scope of Accreditation) at the new Spokane Valley EMC Test Facility.

Specifically, the Scope of Accreditation for Acme Testing Co.'s new Spokane Valley EMC Test Facility includes:

Test Technology

Radiated & Conducted Emissions:

Test Method(s)

USA: 47 US Code of Federal Regulations (47 CFR), FCC Rules, as follows:

- FCC Part 15 (using ANSI C63.4-2003, up to 18 GHz, *excluding intentional radiators*),

- FCC Part 18 (using FCC OST MP-5:1986, *up to 18 GHz*)

Canada: Industry Canada: ICES-003 Issue 4

Europe [EU and EEA], Singapore*, and South Korea*, as follows:

CISPR 11:1991 & EN 55011:1992;

CISPR 11:1997 + A1:1999 + A2:2002;

EN 55011:1998 + A1:1999 + A2:2002;

CISPR 11:2003 (*excluding measurements above 1 GHz*);

CISPR 22:1993 + A1:1995 + A2:1996;

EN 55022:1994 + A1:1995 + A2:1997;

CISPR 22:1997 + A1:2000 + A2:2002;

EN 55022:1998 + A1:2000 + A2:2003; CISPR 22:2004-10.

Australia/New Zealand: AS/NZS 3548:1995, and, AS/NZS 2064:1997

BSMI (Taiwan): CNS 13438:1997 and CNS 13439:1994

***Note: Pending Designation by NIST (USA), IDA (Singapore) and RRL (South Korea).**

Immunity:

Europe [EU and EEA], Singapore*, and South Korea*, as follows:

Electrostatic Discharge (ESD):

IEC 801-2:1991; IEC 1000-4-2:1995;

IEC 61000-4-2:1995 + A1:1998 + A2:2001;

EN 61000-4-2:1995 + A1:1998 + A2:2001;

IEC 61000-4-2:2001-04

Electrical Fast Transient/Burst:

IEC 801-4:1998; IEC 1000-4-4:1995; IEC 61000-4-4:1995;

EN 61000-4-4:1995 + A1:2000 + A2:2001; IEC 61000-4-4:2004;

EN 61000-4-4:2004;

Surge:

ENV 50142:1994 (*excluding 10/700 surge testing*);

IEC 801-5(D):1992 (*excluding 10/700 surge testing*);

IEC 1000-4-5:1995 (*excluding 10/700 surge testing*);

IEC 61000-4-5:1995 (*excluding 10/700 surge testing*);

EN 61000-4-5:1995 + A1:2001 (*excluding 10/700 surge testing*);

IEC 61000-4-5:2001 (*excluding 10/700 surge testing*);

***Note: Pending Designation by NIST (USA), IDA (Singapore) and RRL (South Korea).**

Generic & Product Family Standards:

Europe [EU and EEA] as follows:

EN 50081-1:1992; EN 50081-2:1993

IEC 61000-6-3:1996 & EN 61000-6-3:2001

IEC 61000-6-4:1997 & EN 61000-6-4:2001

Australia/New Zealand: AS/NZS 4251.1:1994

USA: Bellcore [Telcordia] GR 1089-CORE Issue 2 Rev. 1 (Section 3 only)

USA: Telcordia [Bellcore] GR 1089-CORE Issue 3A (Section 3 only)

On the following materials and products: Electrical and electronic equipment for: information technology (ITE); residential and industrial, scientific and medical (ISM) service; receivers; central office telephone equipment; light industrial and commercial equipment; and, scientific & laboratory apparatus.

At Acme Testing Co.'s new Spokane Valley EMC Test Facility, we have provided a more comprehensive suite of EMC Emissions Testing capabilities, *and*, we have added ESD, EFT/Burst, and Lightning Surge EMC Immunity Testing capabilities - all with the same great personal service that you received at our old Plummer Idaho Site.

In summary, Acme Testing Co.'s new Spokane Valley EMC Test Facility makes it easier for manufacturers in the Spokane, WA – Coeur d'Alene, Idaho area to get the *ISO/IEC 17025:2005 Accredited* EMC testing and mitigation engineering services that they need to satisfy the increasingly stringent US (FCC), Industry Canada, and "CE Mark" (European Union EMC Directive) EMC Regulations.



Please contact either of us (John L. Griffin or Harry H. Hodes) with any suggestions or questions that you may have regarding our new Spokane Valley EMC Test Facility. Please contact John L. Griffin to schedule testing at our new Spokane Valley EMC Test Facility.

John L. Griffin
General Manager
Vice President
Acme Testing Company

1-360-595-2785 Office Phone
1-360-595-2722 Fax
1-360-303-8884 Cellular Phone
john@acmetesting.com

Harry H. Hodes
Principal EMC Engineer
President & CEO
Acme Testing Company

1-360-595-2785 Office Phone
1-360-595-2722 Fax
1-360-303-4096 Cellular Phone
hodes@acmetesting.com