



Inside this issue:

*Did you know?* 1

*Isotropic Field Probes*  
*ESD GUNs & Targets* 2  
*Contract Review*

*Austrian Research Centers*  
*Schwarzbeck* 3  
*Look back*

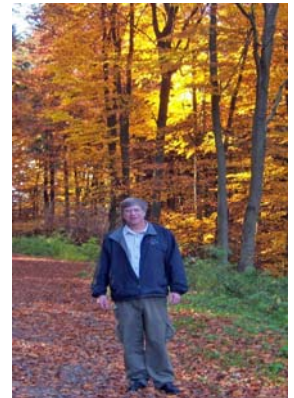
*World's Largest Ground* 4  
*Plane Contact Information*

*From the President:*

Liberty Labs, Inc. has been in business for 20 years and continues to strive to add more services and options for our customers. We thank our current customers for their business and to our new customers, please feel free to contact myself directly for any questions or input you may have. If you are ever in the area, please stop in, we would love to show you our facilities and take some time to visit with you.

We would like to thank all of our customers for their continued business.

Michael W. Howard/WA0SPG  
President/CEO



*DID YOU KNOW????*

\* As a commitment to our customers during this economic time; Liberty Labs has decided to hold current pricing on calibration cost.

\* Liberty Labs, Inc. continues to offer certificates and data online via our website. There is no charge for this service. Please go to our website at [www.liberty-labs.com](http://www.liberty-labs.com) to sign up. You will be glad you did. Once your items have been calibrated and shipped back to you this information will be available. We are working very hard on getting past calibration certificates and data in PDF format to be available online also.

\* Liberty Labs, Inc. is a US Distributor for Austrian Research Centers & Schwarzbeck Mess-Electronik.

\* Liberty Labs, Inc. & World Cal, Inc. will be at the 2009 EMC IEEE Symposium in Austin TX. Stop by and see us at Booth# 529, 531, 533.

\* We value your input and feedback in regards to our services. Please go to our website at [www.liberty-labs.com](http://www.liberty-labs.com) and fill out our online Feedback form under the Leave Feedback tab located on our homepage.

\* We are in the process of getting our GSA capabilities to service government clients.

\* Business Hours: Mon-Fri 8am-5pm CST.

Special Points of Interest:

- Online Certificate & Data through our website
- Customer Feedback via website
- 2009 IEEE EMC SYMPOSIUM
- Probe calibrations 200v/m up to 40GHz
- US Distributor for Austrian Research Center Schwarzbeck
- Looking back in the past

## Isotropic Field Probe Calibrations

Probe calibration is continuing to grow in market share and capability. Major purchases of a half million dollars worth of new test equipment has been incorporated into Liberty Labs operation for probe calibrations. This new equipment has increased our capability to do 200V/m up to 40GHz to meet customer needs.

Probe calibration technicians have also been working to improve our uncertainty figures. Liberty Labs is working with A2LA audi-

tors, standard personnel, and the manufacturers to continue process improvement. We have implemented IEC 61000-4-3 Amendment 1 into Liberty Labs process and procedures. Liberty Labs also uses the current IEEE 1309 standard to improve the accuracy of the calibration. Liberty Labs is committed to working with A2LA, the manufacturers, and our customers to provide the best turn around, accuracy and the best value for our customer. We welcome

any suggestions and look forward to working with you in the future.

### NEW

We have incorporated new automated software for calibrating Magmeters and Small Loop Antennas.



## 200V/m to 40GHz on Isotropic Field Probes

## ESD GUNs & Targets

We offer Accredited Calibrations for the following standards and specifications: IEC 61000-4-2, SAE J1113-13, & ISO 10605.

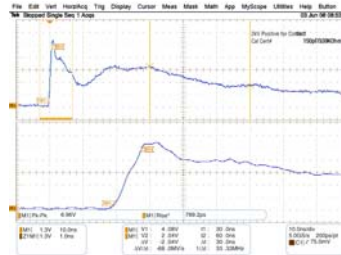
We calibrate a number of different ESD Guns for different manufacturers.

Now available to customers is an electronic version

of the waveforms from calibration of your ESD GUNs.

For quotes please have the capacitance & resistance of each network to be calibrated.

Please check out our website or give us a call for additional info.



Waveforms for ESD GUNs



## Contract Review per ISO 17025 for Quick Turn Around Time

Liberty Labs is working hard on making sure your equipment has the best turn around time. We are asking for our customers to help us out on making sure all information is on the paperwork when the equipment is received. Currently we have a contract summary form via our website that can be filled out and sent in with your equipment. If your company

prefers to have the information listed on your PO or documents, that also works. Per ISO 17025 we have to have the cal requirements listed in writing.

An example of not enough information would be:

- \* ISO 17025/A2LA CAL
- \* Same as previous (standards may have changed, this will no longer be accepted)

A great example: A2LA Calibration of (model# & serial#) Bilog at 3m, Horz 30-1000MHz, ANSI C63.5-2006, 1 year cal cycle.

Please help us help you on getting your equipment calibrated as soon as possible.

If you have any questions please give us a call.

**FOR THE BEST TURN AROUND TIME PLEASE HAVE ALL CAL REQUIREMENTS LISTED ON YOUR PO, PAPERWORK, OR ON OUR CONTRACT SUMMARY.**

*Schwarzbeck Mess - Elektronik*

Liberty Labs, Inc. is an authorized distributor for Schwarzbeck Mess - Elektronik Products in the US.

Schwarzbeck is a high quality EMC product manufacturer.

We have offered this wonderful service since 2004 by helping to order and transport your items to the US from Germany. While still keeping the wonderful customer service and high quality products Schwarzbeck is known for.

Liberty Labs, Inc. can then provide you with the A2LA calibration report you need. With this service you will receive a 40% discount, at the time of your order, off of the normal calibration charge.

Schwarzbeck has a wonderful web page with pictures, specifications, and data on most items they offer. If you do not see what you need they can also design items for most needs.

Please contact us with any questions.

Please check them out Schwarzbeck - Mess Elektronik  
An der Klinge 29  
D - 69250  
Schönau  
www.schwarzbeck.com  
email:office@schwarzbeck.de



Many items can be placed in a custom case



HHS 5204-12 Helmholtz Coil for MIL-STD-461E



SBA 9113 for Ford Std Opt RI115 with 420NJ Elements

*Austrian Research Centers GmbH - ARC*

We are glad to let you know that we have teamed up with Austrian Research Centers GmbH-ARC to distribute their products to you.

They offer antennas to help with Site Validation and the software to make it run smoothly.

We have been working with Mr. DI Wolfgang Mullner and the Radio Frequency Engineering team.

They calibrate test antennas and field probes from company laboratories and independent test institutions worldwide.

The Precision Omni Directional Dipoles POD 16 and POD 618 are fully compliant to CISPR 16-1-4 for site validation above 1GHz. They are conically shaped radiation elements covered by an RF-transparent radome. This rugged construction enables excellent dipole-like radiation pattern up to 18GHz.

The Precision Reference Dipole PRD is a highly accurate reference for site validations and EMC conformance tests according to ANSI and CISPR.

CalStan 10.0-RF Measurement software is now also available. CalStan 10.0 is a tool for automation of radio frequency (RF) calibrations and measurements. Measurements are performed by controlling devices via GPIB interface; measurement values are read and evaluated. The purpose of the software is to perform calibration and validations of equipment.

Austrian Research Centers  
A-2244 Seibersdorf  
Austria



Austrian Research Centers  
Site V/SWR set: POD16 & POD 618

Save 40%, at the time of your order, on an A2LA calibration from us when you purchase Schwarzbeck or Austrian Research Centers antennas.

*Taking a look into the Past—Liberty Labs Calibrations are out of this World.*

Over the years we have made great accomplishments in our business and for our customers.

Back in June of 2002 we were happy to do a custom calibration for the Mars Express from the University of Iowa. We calibrated a 30ft Dipole Antenna over our 50x80 ground plane.

The Mars Express Satellite is circling the Planet Mars.

For additional information please go to the following website:

<http://www-pw.physics.uiowa.edu>

Please contact us if you have a special calibration need, we might be able to help.



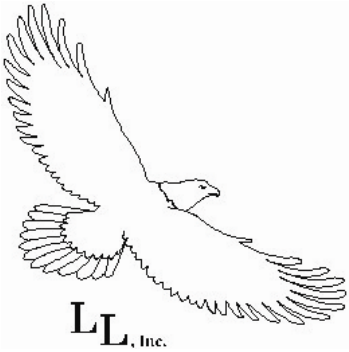
## *WE HAVE THE WORLD'S LARGEST GROUND PLANE—50 x 80 METERS*

Liberty Labs Inc. has been using a 50 x 80 meter ground plane since 1998. The ground plane construction offers a high degree of accuracy and low uncertainties. It can be used all year round but weather does slow calibrations down so please contact us to set up your items.



This is an aerial view of our Site 1: Covered Dome & Site 2: Ground Plane. We are surrounded by fields, trees, & wildlife to where you get the best calibration with no interference from radio towers.

We are the real thing!



Liberty Labs, Inc.

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Kimballton, LA 51543

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Fax: 712-773-2299  
info@liberty-labs.com

Thank you for your past business and we look forward to serving you in the future.

Please contact us with any questions or concerns.

The Liberty Labs, Inc. Staff

[www.liberty-labs.com](http://www.liberty-labs.com)

