

泰克维修中心 - 质量保证



American Association for Laboratory Accreditation

SCOPE OF ACCREDITATION TO ISO/IEC 17025:1999

TEK TRONIX EMC LAB
17300 SW Kaufmann Drive
Beaverton, OR 97007
Bruce E. Brunstal Phone: 503 627 1300

ELECTRICAL (EMC)

Valid to: August 31, 2006

Certificate Number: 1520-01

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

Tests/Extensions	Standards
Radiated Emissions	Code of Federal Regulation (CFR) 47, FCC Part 15 using ANSI C63.4-2001 (excluding measurements of flow-standing equipment); EN 55011; EN 55022
Conducted Emissions	Code of Federal Regulation (CFR) 47, FCC Part 15 using ANSI C63.4-2001; EN 55011; EN 55022
Current Harmonics	EN 61000-3-2
Immunity	
Electromagnetic Discharge (ESD)	IEC 61000-4-2
Radiated Immunity	IEC 61000-4-3
Electrical Fast Transient/Burst	IEC 61000-4-4
Surge Immunity	IEC 61000-4-5 (excluding testing per CCITT)
Conducted Immunity	IEC 61000-4-6
Power Frequency Magnetic Field Immunity	IEC 61000-4-8

On the following products or types of products:

Information Technology Equipment (ITE) and Industrial, Scientific, and Medical Equipment (ISME)

¹ Note: This accreditation covers testing performed at the main laboratory listed above, and also the Open Air Test Site (OATS), which is located at Building 92, Walker Road Industrial Park, 18700 N.W. Walker Road, Beaverton, OR 97009.

Peter Blazyn

SCOPE OF ACCREDITATION TO ISO 17025:1999
& ANSI/ISO 7346.1:1994

TEKTRONIX INC
2540 S.W. Alan Blumlein Way
Beaverton, OR 97077
Randy Van Wie Phone: 503 627 2484

CALIBRATION

Valid To: August 31, 2006

Certificate Number: 1520-02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations:

I. Electrical - High Frequency

Parameter/Equipment	Range	Best Uncertainty ² (%)	Comments
DC Voltage Measuring Equipment	0.0 V	15 µV	Fiske 9500
1 MΩ load	0.9 mV to 222.4 V	0.029 %	
50 Ω load	0.9 mV to 5.56 V	0.10 %	
Sinusoidal Flatness Measuring Equipment, 50 Ω load, 50 kHz to 10 MHz reference, V (p-p)			Fiske 9500/9530, Flatness specification include mismatch for DUT VSWR ≤ 1.6
1 Hz to 100 MHz	4.44 mV to 5.56 V	0.22 dB	
100 to 550 MHz	4.44 mV to 5.56 V	0.20 dB	
550 MHz to 1.1 GHz	4.44 mV to 3.36 V	0.37 dB	
1.1 to 3.2 GHz	4.44 mV to 3.36 V	0.46 dB	
AC Voltage Measuring Equipment, 50 Ω, Sinusoidal, V (p-p)			Fiske 9500/9530
1 Hz to 100 MHz	4.44 mV to 5.56 V	0.033 V/V	
100 MHz to 3.2 GHz	4.44 mV to 5.56 V	0.063 V/V	

Parameter/Equipment	Range	Best Uncertainty ² (%)	Comments
Resistance - Measure	50 Ω 1 MΩ	0.13 % 0.12 %	Fiske 9500/9530
DC Voltage - Measure	0V to 5V	0.11% + 3uV	Kathley 2000

II. Time and Frequency

Parameter/Equipment	Range	Best Uncertainty ² (%)	Comments
Frequency and Period	12 MHz to 3.2 GHz	2.7 parts in 10 ⁶	Fiske 9500 Opt 100

¹ This laboratory offers commercial calibration services.

² Best Uncertainties represent expanded uncertainties using a coverage factor of k=2 which provides a level of confidence of approximately 95 %.