SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MVG INDUSTRIES
Parc d'Activities de L'Oceane
13 Rue du Zephyr
Villejust 91140, FRANCE
Tal Schusheim Phone: 0747130196

CALIBRATION

Valid To: February 29, 2028 Certificate Number: 2246.03

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the organization's compliance with R205 – A2LA's Calibration Program Requirements), accreditation is granted to this laboratory to perform the following calibrations[1, 3]:

I. Dimensional

Parameter/Equipment	Range	CMC[2] (±)	Comments
Dipole – SAR, Length	Up to 300 mm (300 to 450) mm	0.2 mm 0.44 mm	Calipers, direct measurement

II. Electrical – RF/Microwave

Parameter/Range	Frequency	CMC[2, 4] (±)	Comments
Probe Calibration – HAC E-Field: (0.5 to 800) V/m	(600 to 6000) MHz	9.6 %	MVG CaliProbe calibration bench, signal generator, power meter, power amplifier, multimeter, direct measurement, ANSI C63.19

5202 Presidents Court, Suite 220 | Frederick, MD 21703-8398 | Phone: 301 644 3248 | Fax: 240 454 9449 | www.A2LA.org

Parameter/Range	Frequency	CMC[2, 4] (±)	Comments
Dipole for HAC E-Field: (0.5 to 300) V/m	(600 to 6000) MHz	14 %	MVG COMOHAC measurement bench, signal generator, power meter, power amplifier, multimeter, direct measurement, ANSI C63.19
Probe Calibration – T-Coil for HAC H-Field: (-61 to 20) dB(A/m)	(200 to 5000) Hz	0.42 dB	MVG CaliProbe calibration bench, audio signal generator, audio capture card, multimeter, direct measurement, ANSI C63.19
Magnetic Field Simulator (TMFS) H-Field: (-30 to 10) dB(A/m)	(200 to 5000) Hz	0.95 dB	MVG COMOHAC measurement bench, audio signal generator, audio capture card, multimeter, direct measurement, ANSI C63.19
Dipole for SAR S Parameter, S11 Settings: (0.001 to 0.4) Lin Mag, (-60 to -8) dB	(150 to 7500) MHz	0.08 Lin Mag	SAR Phantom with MVG liquid, network analyzer with calibration kit, direct measurement, IEC/IEEE 62209-1528

Parameter/Range	Frequency	CMC[2, 4] (±)	Comments
Waveguide for SAR S Parameter, S11 Settings: (0.001 to 0.4) Lin Mag, (-60 to -8) dB	(600 to 6000) MHz	0.08 Lin Mag	SAR Phantom with MVG liquid, network analyzer with calibration kit, direct measurement, IEC/IEEE 62209-1528
Dipole for HAC S Parameter, S11 Settings: (0.001 to 0.4) Lin Mag, (-60 to -8) dB	(600 to 6000) MHz	0.08 Lin Mag	Network analyzer with calibration kit, direct measurement, ANSI C63.19
SAR Measurement Probe SAR 1 g, 10 g: (0.01 to 100) W/kg	(150 to 450) MHz	11 %	MVG CaliProbe calibration bench, signal generator, power meter, power amplifier, multimeter, coaxial calorimeter, Fluoroptic Thermometer, direct measurement, IEC/IEEE 62209-1528
SAR 1 g, 10 g: (0.01 to 100) W/kg	(600 to 7500) MHz	14 %	MVG CaliProbe calibration bench, signal generator, power meter, power amplifier, multimeter, rectangular waveguide, direct measurement, IEC/IEEE 62209-1528
Dipole for SAR SAR 1 g, 10 g: (0.01 to 100) W/kg	(150 to 7500) MHz	19 %	MVG COMOSAR measurement bench, signal generator, power meter, power amplifier, multimeter, direct measurement, IEC/IEEE 62209-1528

Parameter/Range	Frequency	CMC[2, 4] (±)	Comments
Waveguide for SAR SAR 1 g, 10 g: (0.01 to 100) W/kg	(600 to 6000) MHz	19 %	MVG COMOSAR measurement bench, signal generator, power meter, power amplifier, multimeter, direct measurement, IEC/IEEE 62209-1528
Complex Permittivity Measurement Probe Conductivity: (0 to 8) S/m Relative Permittivity (1 to 90)	 150 MHz (300 to 450) MHz (600 to 7500) MHz (150 to 7500) MHz	 18 % 15 % 11 % 10 %	 MVG COMOSAR system network analyzer w/ calibration kit, IEC/IEEE 62209-1528

[1] This laboratory offers commercial calibration service.

[2] Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

[3] This scope meets A2LA's *P112 Flexible Scope Policy.*

[4] In the statement of CMC, percentages are percentage of reading, unless otherwise indicated.

Accredited Laboratory

A2LA has accredited

MVG INDUSTRIES

Villejust, FRANCE

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of R205 – Specific Requirements: Calibration Laboratory Accreditation Program. 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 April 2017).

Presented this 15th day of September 2026.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2246.03
Valid to February 29, 2028

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.