

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-K-17726-01-00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 10.07.2018 to 09.07.2023

Date of issue: 10.10.2018

Holder of certificate:

Narda Safety Test Solutions GmbH
Sandwiesenstraße 7, 72793 Pfullingen

Head:

Dipl.-Ing. Joachim von Freeden

Deputy head:

Dipl.-Ing. (FH) Norbert Moll

B. Eng. Christian May

Accredited as calibration laboratory since: 12.07.2013

Calibration in the fields:

Electrical quantities

High frequency quantities

- **Electric field**

Magnetic quantities

- **Magnetic field**

Abbreviations used: see last page

Permanent Laboratory

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Best measurement capability ¹⁾	Remarks
Electrical field / Field measuring devices		IEEE Std 1309-2013		
	2 V/m to 100 V/m	9 kHz to 30 MHz	11 %	TEM-Cell (40 cm)
		> 30 MHz to 100 MHz	12 %	H
	5 V/m to 300 V/m	9 kHz to 50 MHz	7 %	TEM-Cell (15 cm)
		> 50 MHz to 300 MHz	9 %	H
	1 V/m to 110 V/m	0.20 GHz to < 0.25 GHz	14 %	Antenna radiation field
	1 V/m to 110 V/m	0.25 GHz to 1.8 GHz	12 %	
5 V/m to 150 V/m	1.8 GHz to < 5.8 GHz	11 %	Antenna radiation field	
	5.8 GHz to 18.0 GHz	11 %	H	
Magnetic field / Field measuring devices		IEEE Std 1309-2013		
	6 mA/m to 0.26 A/m	9 kHz to 30 MHz	11 %	TEM-Cell (40 cm)

H – Quantity can be calculated to magnetic field and energy flux under far field conditions

Abbreviations used:

IEEE Institut of Electrical and Electronics Engineers (ein weltweiter Berufsverband von Ingenieuren aus den Bereichen Elektrotechnik und Informationstechnik mit Sitz in New York City)

IEEE Std 1309-2013 Standard for Calibration of Electromagnetic Field Sensors and Probes (Excluding Antennas) from 9 kHz to 40 GHz

¹⁾ The best measurement capabilities are stated according to EA-4/02. These are expanded uncertainties of measurement with a coverage probability of 95% and have a coverage factor of k = 2 unless stated otherwise. Uncertainties without unit are relative uncertainties referring to the measurement value unless stated otherwise.