

Date

Reference

2025-02-17

2024/2305

Scope of accreditation

Calibration according to SS-EN ISO/IEC 17025:2018

RISE Research Institutes of Sweden AB

Borås

Accreditation number

1002

Fordon och automatisering

A002626-054

Time and Frequency

<i>Technology area</i>	<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Measuring range</i>	<i>Best measuring ability (CMC) +/-</i>	<i>Technique</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
Frequency	ANSI C63.5	Antenna gain	Antenna	1 GHz to 18 GHz	±1,0 dB	Three antenna method	Yes	1	No	Gain -10 dB/m to +60 dB/m
		Antenna gain	Antenna	18 GHz to 40 GHz	±1,0 dB	Three antenna method	Yes	1	No	Gain -10 dBi to +30 dBi
		Antenna gain	Antenna	30 MHz to 1 GHz	±1,0 dB	Three antenna method	Yes	1	No	Gain -10 dB/m to +60 dB/m
	CISPR 16-1-6	Antenna gain	Antenna	1 GHz to 18 GHz	±1,0 dB	Three antenna method	Yes	1	No	Gain -10 dBi to +30 dBi
		Antenna gain	Antenna	30 MHz to 1 GHz	±1,0 dB	Three antenna method	Yes	1	No	Gain -30 dBi to +20 dBi
		Antenna gain	Antenna	9 kHz to 30 MHz	±1,0 dB	Three antenna method	Yes	1	No	AF -25 S/m to +50 S/m
SAE ARP 958	Antenna gain	Antenna	30 MHz to 18 GHz	±1,0 dB	Three antenna method	Yes	1	No	Gain -30 dBi to +30 dBi	
Time	Intern metod; 5670		Coaxial cable	0,05 GHz to 2 GHz	±0,008ns	Time Domain Reflectrometry (TDR)	Yes	1	No	
			Coaxial cable and waveguide	9,2 GHz to 10,8 GHz	±0,008ns	Time Domain Reflectrometry (TDR)	Yes	1	No	Luftfylld vågledare / Air-filled waveguide
			Coaxial cable and waveguide	9,2 GHz to 10,8 GHz	±0,011ns	Time Domain Reflectrometry (TDR)	Yes	1	No	PTFE-vågledare / PTFE-filled waveguide

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Calibration and measurement capability, CMC, is the smallest uncertainty the calibration laboratory can provide, expressed as the expanded uncertainty having a coverage probability of approximately 95%.

Changes in the scope of accreditation are in bold.

The scope of accreditation is flexible as specified in this decision. The accredited body must always retain a current list of the scope for which it is accredited.

Type of flexible scope

1: - Introduce new version of standard method and make editorial changes to non-standard method

2: - Introduce new version of standard method and make editorial changes to non-standard method, - Introduce new version and modifications of non-standard method. The procedure must be equivalent.

The changes introduced through accreditation with flexible scope must not involve new measurement principles, changes in measurement range, CMC (best measurement capability), or new quantities other than those included in the accreditation decision for calibration laboratories.