

Date

Reference

2024-01-17

2022/861

**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>Measure</i>	<i>Best measuring ability (CMC) +/-</i>	<i>Technique</i>	<i>Field</i>	<i>Note</i>
Frequency	ANSI C63.5:2017	Antenna gain	Antenna	1 GHz to 18 GHz	±1,0 dB	Three antenna method	No	Gain -10 dB/m to +60 dB/m
		Antenna gain	Antenna	30 MHz to 1 GHz	±1,0 dB	Three antenna method	No	Gain -10 dB/m to +60 dB/m
Time	Inhouse method; 5670 edition 2		Coaxial cable	0,05 GHz to 2 GHz	±0,008ns	Time Domain Reflectrometry (TDR)	No	
			Coaxial cable and waveguide	9,2 GHz to 10,8 GHz	±0,008ns	Time Domain Reflectrometry (TDR)	No	Luftfylld vågledare / Air-filled waveguide
			Coaxial cable and waveguide	9,2 GHz to 10,8 GHz	±0,011ns	Time Domain Reflectrometry (TDR)	No	PTFE-vågledare / PTFE-filled waveguide

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.