

Date

Reference

2021-01-15

2020/920

## Scope of accreditation

### Calibration laboratory 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	Inhouse method; 4429 ed 2	<b>Antenna gain</b>	<b>Antenna</b>	<b>30 MHz to 1 GHz</b>	<b>±1,0 dB</b>	<b>Three antenna method</b>	<b>No</b>	<b>ANSI C63.5 : 2017 Gain -10 dB/m to +60 dB/m</b>
	Inhouse method; 5594 ed 2	Antenna gain	Antenna	1 GHz to 18 GHz	±1,0 dB	Three antenna method	No	ANSI C63.5 : 2017 Gain -10 dB/m to +60 dB/m
Time	Inhouse method; 5670 ed 1		<b>Coaxial cable</b>	<b>0,05 GHz to 2 GHz</b>	<b>±0,008ns</b>	<b>Time Domain Reflectrometry (TDR)</b>	<b>No</b>	
			<b>Coaxial cable and waveguide</b>	<b>9,2 GHz to 10,8 GHz</b>	<b>±0,008ns</b>	<b>Time Domain Reflectrometry (TDR)</b>	<b>No</b>	<b>Luftfylld vågledare / Air-filled waveguide</b>
			<b>Coaxial cable and waveguide</b>	<b>9,2 GHz to 10,8 GHz</b>	<b>±0,011ns</b>	<b>Time Domain Reflectrometry (TDR)</b>	<b>No</b>	<b>PTFE-vågledare / PTFE-filled waveguide</b>

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.