

Date  
2023-11-21

Reference  
2023/2147

## Scope of accreditation

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

TÜV Rheinland Sweden AB

Lund

Accreditation number

10325

A013955-001

## IT- and communications testing

### EMC

<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
CISPR 11	Emission	Electrical equipment	Yes	1	No	Only small size equipment, section 3.17
CISPR 16-2-3	Emission/Immunity	Electrical equipment	Yes	1	No	
CISPR 32	Frequency	Wireless communication devices	Yes	1	No	
EN 50130-4	Immunity	Electrical equipment	Yes	1	No	
EN 55011	Emission	Electrical equipment	Yes	1	No	Only small size equipment, section 3.17
EN 55016-2-3	Emission/Immunity	Electrical equipment	Yes	1	No	
EN 55032	Frequency	Wireless communication devices	Yes	1	No	
EN 61000-4-11	Voltage variations	Electrical equipment	Yes	1	No	
EN 61000-4-2	Electrostatic Discharge	ESD components	Yes	1	No	
EN 61000-4-3	HF Disturbances	Radio equipment	Yes	1	No	
EN 61000-4-4	HF Disturbances	Radio equipment	Yes	1	No	
EN 61000-4-5	HF Disturbances	Communication equipment	Yes	1	No	
EN 61000-4-6	HF Disturbances	Radio equipment	Yes	1	No	
EN 61000-4-8	Immunity	Electrical equipment	Yes	1	No	
EN 61000-6-1	Immunity	Electrical equipment	Yes	1	No	
EN 61000-6-2	Immunity	Electrical equipment	Yes	1	No	
EN 61000-6-3	Emission	Electrical equipment	Yes	1	No	
EN 61000-6-4	Emission	Electrical equipment	Yes	1	No	
ETSI EN 300 330	Frequency	Radio equipment	Yes	1	No	Not included: Product Class 3.

**IT- and communications testing**

**EMC**

<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
ETSI EN 301 489-1	Frequency	Wireless communication devices	Yes	1	No	
ETSI EN 301 489-17	Frequency	Wireless communication devices	Yes	1	No	
ETSI EN 301 489-19	Frequency	Radio equipment	Yes	1	No	
ETSI EN 301 489-3	Frequency	Wireless communication devices	Yes	1	No	
ETSI EN 301 489-51	Frequency	Radio equipment	Yes	1	No	
ETSI EN 301 489-52	Frequency	Wireless communication devices	Yes	1	No	
ETSI EN 301 511	Frequency	Radio parameters	Yes	1	No	
ETSI EN 301 908-1	Frequency	Radio parameters	Yes	1	No	
ETSI EN 301 908-13	Frequency	Radio parameters	Yes	1	No	
ETSI EN 301 908-2	Frequency	Radio parameters	Yes	1	No	
ETSI EN 305 550	Frequency	Radio equipment	Yes	1	No	
IEC 61000-4-11	Voltage variations	Electrical equipment	Yes	1	No	
IEC 61000-4-2	Electrostatic Discharge	ESD components	Yes	1	No	
IEC 61000-4-3	HF Disturbances	Radio equipment	Yes	1	No	
IEC 61000-4-4	HF Disturbances	Radio equipment	Yes	1	No	
IEC 61000-4-5	HF Disturbances	Communication equipment	Yes	1	No	
IEC 61000-4-6	HF Disturbances	Radio equipment	Yes	1	No	
IEC 61000-4-8	Immunity	Electrical equipment	Yes	1	No	
IEC 61000-6-1	Immunity	Electrical equipment	Yes	1	No	
IEC 61000-6-2	Immunity	Electrical equipment	Yes	1	No	
IEC 61000-6-3	Emission	Electrical equipment	Yes	1	No	
IEC 61000-6-4	Emission	Electrical equipment	Yes	1	No	

**IT- and communications testing**

*Radio frequency*

<i>Method</i>	<i>Parameter</i>	<i>Material</i>	<i>Flex</i>	<i>Type of flex</i>	<i>Field</i>	<i>Note</i>
ETSI EN 300 220-1	Frequency	Radio equipment	Yes	1	No	
ETSI EN 300 220-2	Frequency	Radio equipment	Yes	1	No	
ETSI EN 300 328	Frequency	Radio equipment	Yes	1	No	
ETSI EN 300 440	Frequency	Radio equipment	Yes	1	No	
ETSI EN 301 893	Performance	Radio equipment	Yes	1	No	
ETSI EN 303 413	Frequency	Radio equipment	Yes	1	No	Only 5.5.2.2 - Radiated receiver spurious emissions test
LoRa Alliance	Performance	Wireless communication devices	Yes	1	No	
Zigbee Alliance	Performance	Wireless communication devices	Yes	1	No	

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 - Introduce new parameter/component/characteristics - Introduce new measurement range - Introduce new material/new products/matrices - Introduce new method equivalent to methods already in the accreditation decision