

Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-17186-01-05 according to DIN EN ISO/IEC 17025:2018

Valid from: 04.01.2023

Date of issue: 07.02.2023

This annex is a part of the accreditation certificate D-PL-17186-01-00.

Holder of partial accreditation certificate:

PHOENIX TESTLAB GmbH
Königswinkel 10, 32825 Blomberg

The testing laboratory meets the minimal requirements of DIN EN ISO/IEC 17025:2018 and, if applicable, additional legal and normative requirements, including those in relevant sectoral schemes, in order to carry out the conformity assessment activities listed below.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories and confirm generally with the principles of DIN EN ISO 9001.

Tests in the fields:

Telecommunication (TC) and Electromagnetic Compatibility (EMC) for Canadian Standards

The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates. The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

This certificate annex is only valid together with the written accreditation certificate and reflects the status as indicated by the date of issue. The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de>.

Annex to the Partial Accreditation Certificate D-PL-17186-01-05

Technical Field	Standard / Version	Title of standard or in house procedure	Test Area / Restriction
Electromagnetic Compatibility (EMC)			
EMC	ICES-Gen Issue 1, Amendment 1 (February 2021) flexible Akkreditierung	General Requirements for Compliance of Interference-Causing Equipment	
EMC	ICES 001:2020-07	Industrial, Scientific and Medical (ISM) Equipment	
EMC	ICES-003:2020-10	Information Technology Equipment (including Digital Apparatus)	
Radio Equipment and Systems			
TC	RSS-GEN Issue 5, Amendment 2 (February 2021) 2021-02-11 flexible Akkreditierung	General Requirements for Compliance of Radio Apparatus	Highest measurable frequency range is limited to 325 GHz, special auxiliary equipment to be provided externally
TC	RSS-111:2014-09	Broadband Public Safety Equipment Operating in the Band 4940-4990 MHz	special auxiliary equipment to be provided externally
TC	RSS-112:2008-02	Land Mobile and Fixed Equipment Operating in the Band 1670–1675 MHz	special auxiliary equipment to be provided externally
TC	RSS-117 Issue 3, Amendment (June 4, 2021) 2021-06-04 flexible Akkreditierung	Land and Coast Station Transmitters Operating in the Band 200-535 kHz	special auxiliary equipment to be provided externally
TC	RSS-119 Issue 12, Amendment (April 1, 2022) 2022-04-01 flexible Akkreditierung	Land Mobile and Fixed Equipment Operating in the Frequency Range 27.41-960 MHz	special auxiliary equipment to be provided externally
TC	RSS-123:2019-08	Licensed Wireless Microphones	special auxiliary equipment to be provided externally
TC	RSS-125:2020-06	Land Mobile and Fixed Equipment Operating in the Frequency Range 1.705 MHz to 30 MHz	special auxiliary equipment to be provided externally
TC	RSS-127:2009-08	Air-Ground Equipment Operating in the Bands 849-851 MHz and 894-896 MHz	special auxiliary equipment to be provided externally

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TC	RSS-130:2019-02	Equipment Operating in the Frequency Bands 617-652 MHz, 663-698 MHz, 698-756 MHz and 777-787 MHz	special auxiliary equipment to be provided externally
TC	RSS-131:2017-01 +May 2017	Zone Enhancers	special auxiliary equipment to be provided externally
TC	RSS-132:2013-01	Cellular Telephone Systems Operating in the Bands 824-849 MHz and 869-894 MHz	special auxiliary equipment to be provided externally
TC	RSS-133:2018-01	2GHz Personal Communications Services	special auxiliary equipment to be provided externally
TC	RSS-134:2016-02	900 MHz Narrowband Personal Communications Services	special auxiliary equipment to be provided externally
TC	RSS-135:2009-06	Digital Scanner Receivers	special auxiliary equipment to be provided externally
TC	RSS-137:2009-02	Location and Monitoring Service in the Band 902-928 MHz	special auxiliary equipment to be provided externally
TC	RSS-139:2015-07	Advanced Wireless Services (AWS) Equipment Operating in the Bands 1710-1780 MHz and 2110-2180 MHz	special auxiliary equipment to be provided externally
TC	RSS-140:2018-04	Equipment Operating in the Public Safety Broadband Frequency Bands 758-768 MHz and 788-798 MHz	special auxiliary equipment to be provided externally
TC	RSS-141:2010-06	Aeronautical Radiocommunication Equipment in the Frequency Band 117.975-137 MHz	special auxiliary equipment to be provided externally
TC	RSS-142:2013-04	Narrowband Multipoint Communication Systems in the Bands 1429.5-1432 MHz	special auxiliary equipment to be provided externally
TC	RSS-170 Issue 3, Amendment (November 2020) 2020-11-05 flexible Akkreditierung	Mobile Earth Stations (MESs) and Ancillary Terrestrial Component (ATC) Equipment Operating in the Mobile-Satellite Service (MSS) Bands	Highest measurable frequency range is limited to 325 GHz, special auxiliary equipment to be provided externally

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TC	RSS-181:2019-08 Amendment (February 2020)	Coast and Ship Station Equipment Operating in the Maritime Service in the Frequency Range 1605-28000 kHz	special auxiliary equipment to be provided externally
TC	RSS-182 Issue 6 (June 4, 2021) 2021-06-04 flexible Akkreditierung	Maritime Radio Transmitters and Receivers in the Band 156-162.5 MHz	special auxiliary equipment to be provided externally
TC	RSS-191:2008-04 with Note (effective January 21, 2020)	Local Multipoint Communication Systems in the Bands 25.35-28.35 GHz; Point-to- Point and Point-to-Multipoint Broadband Communication Systems in the Bands 24.25-24.45 GHz and 25.05-25.25 GHz; and Point-to-Multipoint Broadband Communications in the Band 38.6- 40.0 GHz	Highest measureable frequency range is limited to 325 GHz, special auxiliary equipment to be provided externally
TC	RSS-192:2020-05	Flexible Use Broadband Equipment Operating in the Band 3450-3650 MHz	special auxiliary equipment to be provided externally
TC	RSS-194:2007-10	Fixed Wireless Access Equipment Operating in the Band 953–960 MHz	special auxiliary equipment to be provided externally
TC	RSS-195:2014-04	Wireless Communication Service (WCS) Equipment Operating in the Bands 2305- 2320 MHz and 2345-2360 MHz	special auxiliary equipment to be provided externally
TC	RSS-196:2019-02	Point-to-Multipoint Broadband Equipment Operating in the Band 512-608 MHz for Rural Remote Broadband Systems (RRBS) (TV Channels 21 to 36)	special auxiliary equipment to be provided externally
TC	RSS-197:2010-02	Wireless Broadband Access Equipment Operating in the Band 3650–3700 MHz	special auxiliary equipment to be provided externally
TC	RSS-199:2016-12	Broadband Radio Service (BRS) Equipment Operating in the Band 2500– 2690 MHz	special auxiliary equipment to be provided externally
TC	RSS-210:2019-12	Licence-Exempt Radio Apparatus: Category I Equipment	Highest measureable frequency range is limited to 325 GHz, special auxiliary equipment to be provided externally

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TC	RSS-211:2015-03	Level Probing Radar Equipment	Highest measurable frequency range is limited to 325 GHz, special auxiliary equipment to be provided externally
TC	RSS-213:2015-03	2 GHz Licence-Exempt Personal Communications Services (LE-PCS) Devices	special auxiliary equipment to be provided externally
TC	RSS-215:2009-06	Analogue Scanner Receivers	special auxiliary equipment to be provided externally
TC	RSS-216:2016-01 Amendment 1 (Sep. 2020)	Wireless Power Transfer Devices	special auxiliary equipment to be provided externally
TC	RSS-220:2009-03 +Jul. 2018	Devices Using Ultra-Wideband (UWB) Technology	special auxiliary equipment to be provided externally
TC	RSS-222 Issue 3 (October 4, 2021) 2021-11-19 flexible Akkreditierung	White Space Devices (WSDs)	special auxiliary equipment to be provided externally
TC	RSS-236:2012-09	General Radio Service Equipment Operating in the Band 26.960 to 27.410 MHz (Citizens Band)	special auxiliary equipment to be provided externally
TC	RSS-238:2013-07	Shipborne Radar in the 2900-3100 MHz and 9225-9500 MHz Bands	special auxiliary equipment to be provided externally
TC	RSS-243:2010-02	Medical Devices Operating in the 401–406 MHz Frequency Band	special auxiliary equipment to be provided externally
TC	RSS-244:2013-06	Medical Devices Operating in the Band 413-457 MHz	special auxiliary equipment to be provided externally
TC	RSS-246: 2019-03	Ultra-Low Power (ULP) Wireless Medical Capsule Endoscopy Devices Operating in the 430-440 MHz Band	special auxiliary equipment to be provided externally
TC	RSS-247:2017-02	Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices	special auxiliary equipment to be provided externally

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TC	RSS-248 Issue 1 (November 19, 2021) 2021-11-19	Radio Local Area Network (RLAN) Devices Operating in the 5925-7125 MHz Band	special auxiliary equipment to be provided externally
TC	RSS 251:2018-07	Vehicular Radar and Airport Fixed or Mobile Radar in the 76-81 GHz Frequency Band	special auxiliary equipment to be provided externally
TC	RSS-252:2017-09	Intelligent Transportation Systems - Dedicated Short Range Communications (DSRC) - On-Board Unit (OBU)	special auxiliary equipment to be provided externally
TC	RSS-287 Issue 2, Amendment 2 (May 2022) 2022-05-27 flexible Akkreditierung	Emergency Position Indicating Radio Beacons (EPIRB), Emergency Locator Transmitters (ELT), Personal Locator Beacons (PLB), and Maritime Survivor Locator Devices (MSLD)	special auxiliary equipment to be provided externally
TC	RSS-288:2012-01	Global Maritime Distress and Safety System (GMDSS)	special auxiliary equipment to be provided externally
TC	RSS-310:2020-01	Licence-Exempt Radio Apparatus: Category II Equipment	special auxiliary equipment to be provided externally
TC	BETS-1 :1996-11	Technical Standards and Requirements for Low Power Announce Transmitters in the Frequency Bands 525-1,705 kHz and 88-107.5 MHz	special auxiliary equipment to be provided externally
TC	BETS-3 :1996-11	Technical Standards and Requirements for Radio Apparatus that Form Part of a Master Antenna Television (MATV) Broadcasting Undertaking	special auxiliary equipment to be provided externally
TC	BETS-4 :1996-11	Technical Standards and Requirements for Television Broadcasting Transmitters	special auxiliary equipment to be provided externally
TC	BETS-5 :1996-11	Technical Standards and Requirements for AM Broadcasting Transmitters	special auxiliary equipment to be provided externally
TC	BETS-6:2005-08	Technical Standards and Requirements for FM Broadcasting Transmitters	special auxiliary equipment to be provided externally
TC	BETS-7 :2015-03	Technical Standards and Requirements for Radio Apparatus Capable of Receiving Television Broadcasting	special auxiliary equipment to be provided externally

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TC	BETS-8 :1996-11	Technical Standards and Requirements for FM Transmitters Operating in Small Remote Communities	special auxiliary equipment to be provided externally
TC	BETS-9 :1996-11	Technical Standards and Requirements for Television Transmitters Operating in Small Remote Communities	special auxiliary equipment to be provided externally
TC	BETS-11 :1996-11	BETS-11 - Technical Requirements Respecting the Identification of Broadcasting Stations	special auxiliary equipment to be provided externally
Human Exposure to EM-Fields			
EMC	RSS – 102 (RF Exp) ^{MEAS} Issue 5 – March 2015 + Amendment 1 Feb. 2nd, 2021	Radio Frequency Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands), (RF Exposure)	
EMC	RSS – 102 (NS) ^{MEAS} Issue 5 – March 2015 + Amendment 1 Feb. 2nd, 2021	Radio Frequency Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands), (Nerve Stimulation)	

Flexibility according to DAkks SD 0 002_e (Accreditation with flexible scope of testing laboratories, calibration laboratories and medical laboratories) and EA-2/15 M: 2019 (EA Requirements for the Accreditation of Flexible Scopes).

Abbreviations used:

RSS Radio Standards Specification
IEC International Electrotechnical Commission
TC Telecommunication
EMC Electromagnetic Compatibility