Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-21375-01-03 according to DIN EN ISO/IEC 17025:2018

Valid from: **23.12.2020**

Date of issue: 23.12.2020

Holder of certificate:

IBL-Lab GmbH
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Tests in the fields:

Electromagnetic Compatibility and Telecommunication (FCC requirements)

Section	Scope	Test Methods	Frequency (max. assessed)
USA	Unintentional Radiators (FCC Part 15, Subpart B)	ANSI C 63.4-2014 American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	40 GHz

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

The certificate together with its annex reflects the status at the time of the date of issue. The current status of the scope of accreditation can be found in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH. https://www.dakks.de/en/content/accredited-bodies-dakks

Section	Scope	Test Methods	Frequency (max. assessed)
USA	Industrial, Scientific, and Medical Equipment (FCC Part 18) • Consumer ISM equipment	FCC MP-5:1986-02 FCC Methods of Measurements of Radio Noise Emissions from Industrial, Scientific, and Medical Equipment	500 GHz
USA	Intentional Radiators (FCC Part 15 Subpart C)	ANSI C 63.10-2013 American National Standard for Testing of Unlicensed Wireless Devices	500 GHz
USA	UPCS (FCC Part 15, Subpart D) • Unlicensed Personal Communication Systems devices	ANSI C 63.17-2013 American National Standard - Methods of Measurement of the Electromagnetic and Operational Compatibility of Unlicensed Personal Communications Services (UPCS) Devices	40 GHz
USA	U-NII without DFS Intentional Radiators (FCC Part 15, Subpart E) • Unlicensed National Information Infrastructure Devices (U-NII Devices without DFS)	ANSI C 63.10-2013 American National Standard for Testing of Unlicensed Wireless Devices in combination with KDB Publication 789033	40 GHz

Section	Scope	Test Methods	Frequency (max. assessed)
USA	U-NII with DFS Intentional Radiators (FCC Part 15, Subpart E) • Unlicensed National Information Infrastructure (U-NII) Devices with Dynamic Frequency Selection (DFS)	FCC KDB Publication 905462 D02 UNII DFS Compliance Procedures New Rules v02 (April 8, 2016)	40 GHz
USA	UWB Intentional Radiators (FCC Part 15, Subpart F) • Ultra-wideband Operation	ANSI C 63.10-2013 American National Standard for Testing of Unlicensed Wireless Devices	200 GHz
USA	BPL Intentional Radiators (FCC Part 15, Subpart G) • Access Broadband over Power Line (Access BPL)	ANSI C 63.10-2013 American National Standard for Testing of Unlicensed Wireless Devices	40 GHz
USA	White Space Device Intentional Radiators (FCC Part 15, Subpart H) • White Space Devices	ANSI C 63.10-2013 American National Standard for Testing of Unlicensed Wireless Devices	40 GHz

Section	Scope	Test Methods	Frequency (max. assessed)
USA	Commercial Mobile Services (FCC Licensed Radio Service Equipment) • Part 22 (cellular) • Part 24 • Part 25 (below 3 GHz) • Part 27	ANSI/TIA-603-E-2016 [1] or ANSI/TIA-102.CAAA-E-2016 [1] or ANSI C63.26-2015 Land Mobile FM or PM Communications Equipment Measurement and Performance Standards in combination with KDB Publication 971168	200 GHz
USA	General Mobile Radio Services (FCC Licensed Radio Service Equipment) • Part 22 (non-cellular) • Part 90 (below 3 GHz) • Part 95 (below 3 GHz) • Part 97 (below 3 GHz) • Part 101(below 3 GHz))	ANSI/TIA-603-E-2016 [1] or ANSI/TIA-102.CAAA-E-2016 [1] or ANSI C63.26-2015 Land Mobile FM or PM Communications Equipment Measurement and Performance Standards	200 GHz
USA	Citizens Broadband Radio Services (FCC Licensed Radio Service Equipment) • Part 96	ANSI/TIA-603-E-2016 [1] or ANSI/TIA-102.CAAA-E-2016 [1] or ANSI C63.26-2015 Land Mobile FM or PM Communications Equipment Measurement and Performance Standards in combination with KDB Publication 971168; in combination with KDB Publication 940660	200 GHz

Section	Scope	Test Methods	Frequency (max. assessed)
USA	Maritime and Aviation Radio Services (FCC Licensed Radio Service Equipment) ● Part 80 ● Part 87	ANSI/TIA-603-E 2016 [1] or ANSI C63.26-2015 Land Mobile FM or PM Communications Equipment Measurement and Performance Standards	200 GHz
USA	Microwave and Millimeter Wave Bands Radio Services (FCC Licensed Radio Service Equipment) ● Part 25 ● Part 30 ● Part 74 ● Part 90 (above 3 GHz) ● Part 95 (above 3 GHz) ● Part 97 (above 3 GHz) ● Part 101	ANSI/TIA-603-E-2016 [1] or ANSI/TIA-102.CAAA-E-2016 [1] or ANSI C63.26-2015 Land Mobile FM or PM Communications Equipment Measurement and Performance Standards in combination with KDB Publication 653005	500 GHz
USA	Broadcast Radio Services (FCC Licensed Radio Service Equipment) ● Part 73 ● Part 74 (below 3 GHz)	ANSI/TIA-603-E-2016 [1] or ANSI/TIA-102.CAAA-E-2016 [1] or ANSI C63.26-2015 Land Mobile FM or PM Communications Equipment Measurement and Performance Standards	200 GHz

Section	Scope	Test Methods	Frequency (max. assessed)
USA	Signal Boosters (Part 20) ● Wideband Consumer signal boosters ● Provider-specific signal boosters ● Industrial signal boosters Signal Boosters (Section 90.219)	ANSI C63.26-2015 in combination with KDB Publication 935210 D03, D04 and D05 [3]	200 GHz

[1] ANSI/TIA-603-D-2010 or ANSI/TIA-102.CAAA-D-2013 may continue to be used until March 2, 2020 which is two years from the date of the publication of this KDB.

[2] For Signal Boosters (Part 20) accreditation is required for Commercial Mobile Services (FCC Licensed Radio Service Equipment) and for Signal Boosters (Section 90.219) accreditation is required for General Mobile Radio Services (FCC Licensed Radio Service Equipment).

[3] Table updates for the scope General Mobile Radio Service to add text “above 3 GHz” and for the Microwave and Millimeter Wave Bands Radio Services for Parts 90, 95 and 97 above 3 GHz in version v05r01 are considered clarifications to the scope and therefore the two year transition period ends on March 2, 2020 and is not extended two year from the release date of v05r01.