

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-12047-01-03 according to DIN EN ISO/IEC 17025:2018

Valid from: 29.05.2019

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Holder of certificate:

CETECOM GmbH
Im Teelbruch 116, 45219 Essen

with Locations: - Im Teelbruch 116, 45219 Essen
 - Mündelheimer Weg 35, 40472 Düsseldorf

Tests in the fields:

Electromagnetic Compatibility and Telecommunication (FCC Requirements)

Section	Scope	Test Method(s)	Frequency (max. assessed)
Electromagnetic Compatibility (EMC) and Radio Equipment and Systems			
USA	Unintentional Radiators (FCC Part 15, Subpart B)	ANSI C63.4: 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	325 GHz
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	325 GHz

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Section	Scope	Test Method(s)	Frequency (max. assessed)
USA	Intentional Radiators (FCC Part 15 Subpart C)	ANSI C 63.10: 2013 American National Standard for Testing of Unlicensed Wireless Devices	325 GHz
USA	U-NII without DFS Intentional Radiators (FCC Part 15, Subpart E) <ul style="list-style-type: none"> 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 D02	40 GHz
USA	UPCS (Part 15, Subpart D) <ul style="list-style-type: none"> Unlicensed Personal Communication Systems devices 	ANSI C 63.17: 2013 American National Standard for Testing of Unlicensed Wireless Devices	40 GHz
USA	U-NII with DFS Intentional Radiators (FCC Part 15, Subpart E) <ul style="list-style-type: none"> Unlicensed National Information Infrastructure (U-NII) Devices with Dynamic Frequency Selection (DFS) 	FCC KDB Publication 905462 D02/D03/D04/D06/D07 UNII DFS Compliance Procedures New Rules v02 (April 8, 2016)	40 GHz
USA	UWB Intentional Radiators (FCC Part 15, Subpart F) <ul style="list-style-type: none"> Ultra-wideband Operation 	ANSI C 63.10: 2013 American National Standard for Testing of Unlicensed Wireless Devices	325 GHz
USA	BPL Intentional Radiators (FCC Part 15, Subpart G) <ul style="list-style-type: none"> Access Broadband Over Power Line (Access BPL) 	ANSI C 63.10: 2013 American National Standard for Testing of Unlicensed Wireless Devices	40 GHz

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USA	White Space Device Intentional Radiators (FCC Part 15, Subpart H) <ul style="list-style-type: none"> White Space Devices 	ANSI C 63.10: 2013 American National Standard for Testing of Unlicensed Wireless Devices	40 GHz
USA	Commercial Mobile Services (FCC Licensed Radio Service Equipment) <ul style="list-style-type: none"> Part 22 (Cellular) Part 24 Part 25 (below 3 GHz) Part 27 	ANSI C 63.26: 2015 ANSI/TIA-603-E:2016 TIA-102.CAAA-E 2016 American National Standard for Testing of Unlicensed Wireless Devices in combination with KDB Publication 971168	325 GHz
USA	General Mobile Radio Services (FCC Licensed Radio Service Equipment) <ul style="list-style-type: none"> 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 ANSI/TIA-102.CAAA-E:2016 ANSI C 63.26: 2015 American National Standard for Testing of Unlicensed Wireless Devices	325 GHz
USA	Citizens Broadband Radio Service (FCC Licensed Radio Service Equipment) <ul style="list-style-type: none"> Part 96 	ANSI/TIA-603-E:2016 ANSI/TIA-102.CAAA-E:2016 ANSI C 63.26: 2015 in combination with KDB Publication 971168 and 940660	325 GHz
USA	Maritime and Aviation Radio Services (FCC Licensed Radio Service Equipment) <ul style="list-style-type: none"> Part 80 Part 87 	TIA-603-E:2016 ANSI C63.26: 2015	325 GHz

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Section	Scope	Test Method(s)	Frequency (max. assessed)
USA	<p>Microwave and Millimeter Bands Radio Services (FCC Licensed Radio Service Equipment)</p> <ul style="list-style-type: none"> ● Part 25 ● Part 30 ● Part 74 ● Part 90 (above 3 GHz) ● Part 95 (above 3 GHz) ● Part 97 (above 3 GHz) ● Part 101 	<p>TIA-603-E:2016 TIA-102.CAAA-E:2016 ANSI C63.26: 2015</p> <p>in combination with KDB Publication 653005</p>	325 GHz
USA	<p>Broadcast Radio Services (FCC Licensed Radio Service Equipment)</p> <ul style="list-style-type: none"> ● Part 73 ● Part 74 (below 3 GHz) 	<p>TIA-603-E:2016 TIA-102.CAAA-E:2016 ANSI C63.26: 2015</p>	325 GHz
USA	<p>Signal Boosters (section 90.219)</p> <ul style="list-style-type: none"> ● Wideband Consumer signal boosters ● Provider-specific signal boosters ● Industrial signal boosters <ul style="list-style-type: none"> ● Part 20.21 	<p>ANSI C63.26: 2015</p> <p>in combination with KDB Publication 935210 D02, D03, D04 and D05</p>	325 GHz
Specific Absorption Rate (SAR) & Human Exposure to EM-Fields			
USA	<p>IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques – Description Devices subject to MPE or SAR requirements</p>	<p>IEEE 1528-2013</p> <p>in combination with KDB Publication 447498 D01, D02 and D03 KDB Publication 865664 D01 and D02</p>	325 GHz