Deutsche Akkreditierungsstelle

Annex to the Partial Accreditation Certificate D-PL-12142-01-02 according to DIN EN ISO/IEC 17025:2018

Valid from: **27.09.2023**

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This annex is a part of the accreditation certificate D-PL-12142-01-00.

Holder of partial accreditation certificate:

QIMA Certification (Germany) GmbH
Schleidenstraße 1, 22083 Hamburg

The testing laboratory meets the requirements of DIN EN ISO/IEC 17025:2018 to carry out the conformity assessment activities listed in this annex. The testing laboratory meets additional legal and normative requirements, if applicable, including those in relevant sectoral schemes, provided that these are explicitly confirmed 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:

Electromagnetic Compatibility (EMC)

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.

Technical field	Standard / in house procedure (Version)	Title of standard or in house procedure	Test Range / Reductions
1.1 Basic testing procedures			
EMC	DIN EN 61000-4-2: 2009-12 (EN 61000-4-2)	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test (IEC 61000-4-2:2008); German version EN 61000-4-2:2009	
EMC	IEC 61000-4-2 ed. 2.0:2008	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	
EMC	DIN EN 61000-4-3: 2011-04 (EN 61000-4-3)	Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test (IEC 61000-4-3:2006 + A1:2007 + A2:2010); German version EN 61000-4-3:2006 + A1:2008 + A2:2010	up to 30 V/m, 3 m max. test specimen size 1.5m x 1.5m up to 2.7 GHz up to 10 V/m, 3 m max. test specimen size 1.5m x 1.5m up to 6GHz
EMC	IEC 61000-4-3 ed. 3.2:2010	Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test	up to 30 V/m, 3 m max. test specimen size 1.5m x 1.5m up to 2.7 GHz up to 10 V/m, 3 m max. test specimen size 1.5 m x 1.5 m up to 6 GHz
EMC	DIN EN 61000-4-4: 2013-04 (EN 61000-4-4)	Electromagnetic compatibility (EMC) - Part 4-4:Testing and measurement techniques - Electrical fast transient/burst immunity test (IEC 61000-4-4:2012); German version EN 61000-4-4:2012	single phase devices only
EMC	IEC 61000-4-4 ed. 3.0:2012	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical fast transient/burst immunity test	single phase devices only

Technical field	Standard / in house procedure (Version)	Title of standard or in house procedure	Test Range / Reductions
EMC	DIN EN 61000-4-5: 2019-03 (EN 61000-4-5)	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test (IEC 61000-4-5:2014 + A1:2017); German version EN 61000-4-5:2014 + A1:2017	single phase devices only
EMC	IEC 61000-4-5 ed. 3.1:2017	Electromagnetic Compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test	single phase devices only
EMC	DIN EN 61000-4-6: 2014-08 (EN 61000-4-6)	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields (IEC 61000-4-6:2013); German version EN 61000-4-6:2014	
EMC	IEC 61000-4-6 ed. 4.0:2013	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields	
EMC	IEC 61000-4-6 Cor.1 ed. 4.0:2015	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields	
EMC	DIN EN 61000-4-8: 2010-11 (EN 61000-4-8)	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test (IEC 61000-4-8:2009); German version EN 61000-4-8:2010	
EMC	IEC 61000-4-8 ed. 2.0:2009	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test	
EMC	DIN EN 61000-4-11: 2005-02 (EN 61000-4-11)	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests (IEC 61000-4-11:2004); German version EN 61000-4-11:2004	single phase devices only
EMC	IEC 61000-4-11 ed. 2.1:2017	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests	single phase devices only

Technical field	Standard / in house procedure (Version)	Title of standard or in house procedure	Test Range / Reductions
EMC	DIN EN 61000-4-13:2016-10 (EN 61000-4-13)	Electromagnetic compatibility (EMC) - Part 4-13: Testing and measurement techniques - Harmonics and interharmonics including mains signalling at a.c. power port, low frequency immunity tests (IEC 61000-4-13:2002 + A1:2009 + A2:2015); German version EN 61000-4-13:2002 + A1:2009 + A2:2016	
EMC	IEC 61000-4-13 ed. 1.2:2015	Electromagnetic compatibility (EMC) - Part 4-13: Testing and measurement techniques - Harmonics and interharmonics including mains signalling at a.c. power port, low frequency immunity tests	
EMC	DIN EN 61000-4-14:2010-04 (EN 61000-4-14)	Electromagnetic compatibility (EMC) - Part 4-14: Testing and measurement techniques - Voltage fluctuation immunity test for equipment with input current not exceeding 16 A per phase (IEC 61000-4-14:1999 + A1:2001 + A2:2009); German version EN 61000-4-14:1999 + A1:2004 + A2:2009	single phase devices only
EMC	IEC 61000-4-14 ed. 1.2:2009	Electromagnetic compatibility (EMC) - Part 4-14: Testing and measurement techniques - Voltage fluctuation immunity test for equipment with input current not exceeding 16 A per phase	single phase devices only
EMC	DIN EN 61000-4-17:2005-04 (EN 61000-4-17)	Electromagnetic compatibility (EMC) - Part 4-17: Testing and measurement techniques - Ripple on d.c. input power port immunity test (IEC 61000-4-17:1999 + A1:2001); German version EN 61000-4-17:1999 + A1:2004	
EMC	IEC 61000-4-17 ed. 1.2:2009	Electromagnetic compatibility (EMC) - Part 4-17: Testing and measurement techniques - Ripple on d.c. input power port immunity test	

Technical field	Standard / in house procedure (Version)	Title of standard or in house procedure	Test Range / Reductions
EMC	DIN EN 61000-4-28:2009-12 (EN 61000-4-28)	Electromagnetic compatibility (EMC) - Part 4-28: Testing and measurement techniques - Variation of power frequency, immunity test for equipment with input current not exceeding 16 A per phase (IEC 61000-4-28:1999 + A1:2001 + A2:2009); German version EN 61000-4-28:2000 + A1:2004 + A2:2009	
EMC	IEC 61000-4-28 ed. 1.2:2009	Electromagnetic compatibility (EMC) - Part 4-28: Testing and measurement techniques - Variation of power frequency, immunity test for equipment with input current not exceeding 16 A per phase	
EMC	DIN EN 61000-4-29:2001-10 (EN 61000-4-29)	Electromagnetic compatibility (EMC) - Part 4-29: Testing and measurement techniques; Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests (IEC 61000-4-29:2000); German version EN 61000-4-29:2000	
EMC	IEC 61000-4-29 ed. 1.0:2000	Electromagnetic compatibility (EMC) - Part 4-29: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests	
1.2 Generic standards			
EMC	DIN EN 61000-6-1:2007-10 (EN 61000-6-1)	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments (IEC 61000-6-1:2005); German version EN 61000-6-1:2007	
EMC	IEC 61000-6-1 ed. 3.0:2016	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments	

Technical field	Standard / in house procedure (Version)	Title of standard or in house procedure	Test Range / Reductions
EMC	DIN EN 61000-6-2 Berichtigung 1:2011-06 (EN 61000-6-2)	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments (IEC 61000-6-2:2005); German version EN 61000-6-2:2005, Corrigendum to DIN EN 61000-6-2 (VDE 0839-6-2):2006-03; German version CENELEC-Cor. :2005 to EN 61000-6-2:2005	
EMC	DIN EN 61000-6-2:2006-03 (EN 61000-6-2)	Elektromagnetische Verträglichkeit (EMV) – Teil 6-2: Fachgrundnormen - Störfestigkeit für Industriebereiche (IEC 61000-6-2:2005); Deutsche Fassung EN 61000-6-2:2005	
EMC	IEC 61000-6-2 ed. 3.0:2016	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments	
EMC	DIN EN 61000-6-3 Berichtigung 1:2012-11 (EN 61000-6-3)	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments (IEC 61000-6-3:2006 + A1:2010); German version EN 61000-6-3:2007 + A1:2011, Corrigendum to DIN EN 61000-6-3 (VDE 0839-6-3):2011-09; German version EN 61000-6-3:2007/A1:2011/AC:2012	without 10 m measuring distance
EMC	DIN EN 61000-6-3:2011-09 (EN 61000-6-3)	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments (IEC 61000-6-3:2006 + A1:2010); German version EN 61000-6-3:2007 + A1:2011	without 10 m measuring distance
EMC	IEC 61000-6-3 ed 2.1:2011	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments	without 10 m measuring distance
EMC	DIN EN 61000-6-4:2011-09 (EN 61000-6-4)	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments (IEC 61000-6-4:2006 + A1:2010); German version EN 61000-6-4:2007 + A1:2011	without 10 m measuring distance
EMC	IEC 61000-6-4 ed. 3.0:2018	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments	without 10 m measuring distance

Technical field	Standard / in house procedure (Version)	Title of standard or in house procedure	Test Range / Reductions
1.3 Product group standards			
EMC	DIN EN 15194:2018-11 (EN 15194)	Cycles - Electrically power assisted cycles - EPAC Bicycles; German version EN 15194:2017	only Section 4.2.15 and Annex C
EMC	DIN EN 45501:2016-03 (EN 45501)	Metrological aspects of non-automatic weighing instruments; German version EN 45501:2015	EMC only
EMC	DIN EN 50130-4:2015-04 (EN 50130-4)	Alarm systems - Part 4: Electromagnetic compatibility - Product family standard: Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems; German version EN 50130-4:2011 + A1:2014	
EMC	DIN EN 50270:2015-10 (EN 50270)	Electromagnetic compatibility - Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen; German version EN 50270:2015	
EMC	DIN EN 50498:2011-04 (EN 50498)	Electromagnetic compatibility (EMC) - Product family standard for aftermarket electronic equipment in vehicles; German version EN 50498:2010	
EMC	DIN EN 55011:2018-05 (EN 55011)	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement (CISPR 11:2015, modified + A1:2017); German version EN 55011:2016 + A1:2017	without 10 m measuring distance
EMC	CISPR 11 ed. 6.2:2019	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement	without 10 m measuring distance
EMC	DIN EN 55012:2010-04 (EN 55012)	Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers (IEC/CISPR 12:2007 + A1:2009); German version EN 55012:2007 + A1:2009	devices/components only

Technical field	Standard / in house procedure (Version)	Title of standard or in house procedure	Test Range / Reductions
EMC	CISPR 12 ed. 6.1:2009	Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers	devices/components only
EMC	DIN EN 55014-1:2018-08 (EN 55014-1)	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission (CISPR 14-1:2016 + COR1:2016); German version EN 55014-1:2017	without 10 m measuring distance
EMC	CISPR 14-1:2016/COR1:2016	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission	without 10 m measuring distance
EMC	DIN EN 55014-2:2016-01 (EN 55014-2)	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard (CISPR 14-2:2015); German version EN 55014-2:2015	
EMC	CISPR 14-2 ed.2.0:2015	Electromagnetic compatibility - Requirements for household appliances , electric tools and similar apparatus - Part 2: Immunity - Product family standard	
EMC	DIN EN 55015:2016-04 (EN 55015)	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment (CISPR 15:2013 + IS1:2013 + IS2:2013 + A1:2015); German version EN 55015:2013 + A1:2015	luminaries only
EMC	CISPR 15 ed. 8.1:2015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment	luminaries only
EMC	DIN EN 55020:2007-09 (EN 55020)	Sound and television broadcast receivers and associated equipment - Immunity characteristics - Limits and methods of measurement (IEC/CISPR 20:2006); German version EN 55020:2007	
EMC	CISPR 20 ed. 6.1:2013	Sound and television broadcast receivers and associated equipment - Immunity characteristics - Limits and methods of measurement	

Technical field	Standard / in house procedure (Version)	Title of standard or in house procedure	Test Range / Reductions
EMC	DIN EN 55024:2016-05 (EN 55024)	Information technology equipment - Immunity characteristics - Limits and methods of measurement (CISPR 24:2010 + Cor.:2011 + A1:2015); German version EN 55024:2010 + A1:2015	
EMC	CISPR 24 ed. 2.1:2015	Information technology equipment - Immunity characteristics - Limits and methods of measurement	
EMC	DIN EN 55025:2018-03 (EN 55025)	Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of on-board receivers (CISPR 25:2016 + COR1:2017); German version EN 55025:2017 + AC:2017	devices/components only
EMC	CISPR 25 ed. 4.0:2016	Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of on-board receivers	devices/components only
EMC	DIN EN 55032 Berichtigung 1:2019-02 (EN 55032)	Electromagnetic compatibility of multimedia equipment - Emission requirements; German version EN 55032:2012/AC:2013	
EMC	CISPR 32 ed. 2.0:2015	Electromagnetic compatibility of multimedia equipment - Emission requirements	
EMC	DIN EN 55035:2018-04 (EN 55035)	Electromagnetic compatibility of multimedia equipment - Immunity requirements (CISPR 35:2016, modified); German version EN 55035:2017	Except: Section 4.2.7 Test signals for DVB-T2, DVB-S2, DVB-C2, DAB
EMC	DIN EN 60945 Berichtigung 1:2010-01 (EN 60945)	Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results (IEC 60945:2002); German version EN 60945:2002); Corrigendum to DIN EN 60945:2003-07	EMC only

Technical field	Standard / in house procedure (Version)	Title of standard or in house procedure	Test Range / Reductions
EMC	DIN EN 60945:2003-07 (EN 60945)	Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results (IEC 60945:2002); German version EN 60945:2002	EMC only
EMC	IEC 60945 ed. 4.0:2002	Maritime navigation and radiocommunication equipment and systems - General requirements - Methods of testing and required test results	EMC only
EMC	DIN EN 61000-3-2:2015-03 (EN 61000-3-2)	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) (IEC 61000-3-2:2014); German version EN 61000-3-2:2014	single phase devices only
EMC	IEC 61000-3-2 ed. 5.0:2018	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	single phase devices only
EMC	DIN EN 61000-3-3:2014-03 (EN 61000-3-3)	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection (IEC 61000-3-3:2013); German version EN 61000-3-3:2013	single phase devices only
EMC	IEC 61000-3-3 ed. 3.1:2017	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection	single phase devices only
EMC	DIN EN 61326-1:2013-07 (EN 61326-1)	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements (IEC 61326-1:2012); German version EN 61326-1:2013	
EMC	IEC 61326-1 ed. 2.0:2012	Electrical equipment for measurement, control and laboratory use - EMC requirements – Part 1: General requirements	

Technical field	Standard / in house procedure (Version)	Title of standard or in house procedure	Test Range / Reductions
EMC	DIN EN 61326-2-1: 2013-08 (EN 61326-2-1)	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-1: Particular requirements - Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications (IEC 61326-2-1:2012); German version EN 61326-2-1:2013	
EMC	DIN EN 61326-2-2: 2013-08 (EN 61326-2-2)	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-2: Particular requirements - Test configurations, operational conditions and performance criteria for portable test, measuring and monitoring equipment used in low-voltage distribution systems (IEC 61326-2-2:2012); German version EN 61326-2-2:2013	
EMC	DIN EN 61326-2-3: 2013-07 (EN 61326-2-3)	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning (IEC 61326-2-3:2012); German version EN 61326-2-3:2013	
EMC	DIN EN 61326-2-4: 2013-07 (EN 61326-2-4)	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-4: Particular requirements - Test configurations, operational conditions and performance criteria for insulation monitoring devices according to IEC 61557-8 and for equipment for insulation fault location according to IEC 61557-9 (IEC 61326-2-4:2012); German version EN 61326-2-4:2013	
EMC	DIN EN 61326-2-5: 2013-08 (EN 61326-2-5)	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-5: Particular requirements - Test configurations, operational conditions and performance criteria for field devices with field bus interfaces according to IEC 61784-1 (IEC 61326-2-5:2012); German version EN 61326-2-5:2013	

Technical field	Standard / in house procedure (Version)	Title of standard or in house procedure	Test Range / Reductions
EMC	DIN EN 61326-3-1: 2018-04 (EN 61326-3-1)	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 3-1: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) - General industrial applications (IEC 61326-3-1:2017); German version EN 61326-3-1:2017	
EMC	DIN EN 61326-3-2: 2008-11 (EN 61326-3-2)	Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 3-2: Immunity requirements for safety-related systems and for equipment intended to perform safety-related functions (functional safety) - Industrial applications with specified electromagnetic environment (IEC 61326-3-2:2008); German version EN 61326-3-2:2008	
EMC	DIN EN 61547 Berichtigung 1:2010-07 (EN 61547)	Equipment for general lighting purposes - EMC immunity requirements (IEC 61547:2009); German version EN 61547:2009, Corrigendum to DIN EN 61547 (VDE 0875-15-2):2010-03; (IEC-Cor. :2010 to IEC 61547:2009)	
EMC	DIN EN 61547:2010-03 (EN 61547)	Equipment for general lighting purposes - EMC immunity requirements (IEC 61547:2009); German version EN 61547:2009	
EMC	IEC 61547 ed. 2.0:2009	Equipment for general lighting purposes - EMC immunity requirements	
1.4 EMC in the telecommunications sector			
EMC	ETSI EN 301 489-1 V1.9.2	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements	

Technical field	Standard / in house procedure (Version)	Title of standard or in house procedure	Test Range / Reductions
EMC	ETSI EN 301 489-3 V1.6.1	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz	
EMC	ETSI EN 301 489-17 V2.2.1	ElectroMagnetic Compatibility (EMC)standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems	
EMC	ETSI EN 300 220-1 V3.1.1	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 1: Technical characteristics and methods of measurement	
EMC	ETSI EN 300 220-2 V3.2.1	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 2: Harmonised Standard for access to radio spectrum for non-specific radio equipment	
EMC	ETSI EN 300 328 V1.9.1	Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive	
EMC	ETSI EN 300 330-2 V1.6.1	Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive	

Technical field	Standard / in house procedure (Version)	Title of standard or in house procedure	Test Range / Reductions
EMC	ETSI EN 303 345 V1.1.0	Radio Broadcast Receivers; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU	FM only
1.5 EMF/EMVU			
EMC	DIN EN 62479:2011-09 (EN 62479) (IEC 62479)	Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz) (IEC 62479:2010, modified); German version EN 62479:2010	Frequency range: f ≤ 18 GHz
EMC	DIN EN 62493:2016-08 (EN 62493)	Assessment of lighting equipment related to human exposure to electromagnetic fields (IEC 62493:2015); German version EN 62493:2015	Frequency range: 20kHz - 10MHz, without determination of Specific Absorption Rate
EMC	IEC 62493 ed 2.0:2015	Assessment of lighting equipment related to human exposure to electromagnetic fields	Frequency range: 20kHz - 10MHz, without determination of SAR
1.6 Motor vehicles (automotive)			
EMC	ISO 11452-4:2011-12	Road vehicles - Component test methods for electrical disturbances from narrowband radiated electromagnetic energy - Part 4: Harness excitation methods	up to 400 MHz
EMC	ISO 7637-2:2011	Road vehicles - Electrical disturbances from conduction and coupling - Part 2: Electrical transient conduction along supply lines only	
1.7 Procedures of foreign standardization organizations			
EMC	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	Frequency range: 9 kHz – 18 GHz
EMC	CFR 47 Part 15	Code of Federal Regulations, 47 Tele-communication, Part 15: Radio Frequency Devices	sub-sections A and B, 150 kHz – 6 GHz

Technical field	Standard / in house procedure (Version)	Title of standard or in house procedure	Test Range / Reductions
EMC	CFR 47 Part 18	Code of Federal Regulations, 47 Tele-communication, Part 18: Industrial, Scientific and Medical (ISM) Equipment	sub-sections A and C, 150 kHz – 6 GHz

Abbreviations used:

DIN Deutsches Institut für Normung e.V. – German institute for standardization
EN Europäische Norm – European Standard
IEC International Electrotechnical Commission
ISO International Organization for Standardisation