

IMST GmbH – Prüfbüro / Testcenter – Extents / Flexibilisations

Status: 2022-11-10

Subject Area	Standard / Version	Title of the standard	Restriction / Limitations
TC	ETSI EN 300 328 V2.2.2 (2019-07), V2.1.1 (2016-11), V1.9.1 (2015-01), V1.8.1	Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonized Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	
EMC	DIN EN 55011: 2022-05, 2018-05 + A11: 2021-03, 2018-05, 2017-03, 2011-04	Industrial, scientific and medical equipment - Radio disturbance characteristics - Limits and methods of measurement	Only 3 m measuring distance; No class 2 devices above 1 GHz
EMC	DIN EN 55014-1: 2021-03, 2018-08 + 2021-03/A11, 2018-08, 2012-05, 2006 + A1: 2009 + A2: 2011	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission	Only 3 m measuring distance;
EMC	DIN EN 55014-2: 2016-01, 2009-06	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 2: Immunity - Product family standard	Only 3 m measuring distance;
EMC	DIN EN 55024: 2016-05, 2011-09	Electromagnetic compatibility - Product family standard for elevators, escalators and moving walks - Immunity	No tests according to annexes A, H
EMC	DIN EN 55032: 2016-02 + Cor.1, 2016-02;	Electromagnetic compatibility of multimedia equipment and devices - Emission requirements	No evaluation of pixel errors or audio crackles; No measurements acc. to tables A.7.2-A7.4; No voltage measurement of symmetrically unshielded lines
EMC	DIN EN 60335-1: 2020-08	Household and similar electrical appliances - Safety - Part 1: General requirements	Tests acc. to 19.11.4.1 - 19.11.4.6 only
EMC	DIN EN 61000-3-2: 2019-12, 2015-03, 2010-03	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	Measurements for single-phase devices (max.16A, AC)
EMC	DIN EN 61000-3-3: 2020-07 + Amd.1: 2021-07, 2020-07, 2014-03, 2009-06	Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems for equipment with a rated current ≤ 16 A per phase and not subject to special connection conditions	Measurements for single-phase devices (max.16A, AC)
EMC	DIN EN 61000-4-4: 2013-04, 2010-11	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Fast transient electrical noise/burst immunity testing	
EMC	DIN EN 61000-4-5:2019-03 +	Electromagnetic compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity testing	No measurements for balanced

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	Cor.1:2021-04, 2019-03, 2015-03, 2007-06		communication lines, no generator for pulses of the form 10/700 μ s, max. 16 A current;
EMC	DIN EN 61000-4-6: 2014-08, 2009-12	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances induced by radio-frequency fields	
EMC	DIN EN 61000-4- 11: 2021-10, 2019- 06, 2005-02	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Tests for immunity to voltage dips, short interruptions and voltage variations	
EMC	DIN EN 61000-6-1: 2019-11, 2007-10	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments	
EMC	DIN EN 61000-6-2: 2019-11, 2006-03	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments	
EMC	DIN EN 61000-6-3: 2022-06, 2011-09 + Cor.1: 2012-11	Electromagnetic compatibility (EMC) - Part 6-3: Generic standards - Emission of equipment in residential environments	Only 3 m measuring distance;
EMC	DIN EN 61000-6-4: 2020-09, 2011-09	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission requirements for industrial environments	Only 3 m measuring distance;
EMC	DIN EN 50121-3-2: 2017-11 + A1: 2020-11, 2017-11, 2016-01, 2015-10	Railroad applications - Electromagnetic compatibility - Part 3-2: Rolling stock - Apparatus	Without table 1, part 1.2
EMC	DIN EN 50121-4: 2017-11 + A1:2020-11, 2017- 11, 2016-10, 2007- 07	Railroad applications - Electromagnetic compatibility - Part 4: Emission and immunity of signalling and telecommunications apparatus	No magnetic field at 0 Hz, 300 A/m; Only 3 m measuring distance
EMC	DIN EN 50130-4: 2015-04, 2012-02	Alarm systems - Part 4: Electromagnetic compatibility - Product family standard: Immunity requirements for components of fire detection and fire alarm systems, intruder and hold-up detection systems, video surveillance systems, access control systems and nurse call systems;	Only 3 m measuring distance;
EMC	DIN EN 60335-1: 2020-08, 2012-10	Household and similar electrical appliances - Safety - Part 1: General requirements	Tests acc. to 19.11.4.1 - 19.11.4.6 only;
EMC	DIN EN 61326-1: 2013-07, 2006-10 + Cor.1: 2008-06 + Ber.2 :2011-04	Electrical equipment for measurement, control, and laboratory use - EMC requirements - Part 1: General requirements	Only 3 m measuring distance;

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EMC	ETSI EN 301489-1 V2.2.3 (2019-11), V2.2.1 (2017-02)	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements;	Only 3 m measuring distance;
EMC	ETSI EN 301489-3 V2.1.1 (2019-03), V2.1.1 (FD 2017-03)	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;	Only 3 m measuring distance;
EMC	ETSI EN 301489-17 V3.2.4 (2020-09), V3.1.1 (FD 2017-02)	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: Specific conditions for Broadband Data Transmission Systems; Harmonised Standard for ElectroMagnetic Compatibility	Only 3 m measuring distance;
EMC	ISO 7637-2: 2011-03, 2004-06	Road vehicles - Electrical disturbances from conduction and coupling Part2: Electrical transient conduction along supply lines only	
EMC	ISO 7637-3: 2016-07, 2007-07	Road vehicles - Electrical disturbances from conduction and coupling Part3: Electrical transient transmission by capacitive and inductive coupling via lines other than supply lines	CCC Method only
EMC	CISPR-12: 2007-05 + A1: 2009, 2001 + A1: 2005	Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of off-board receivers	ALSE only; only 3m distance; E-Bikes / no vehicles
EMC	CISPR-25: 2021-12, 2002 + Cor.1: 2005	Vehicles, boats and internal combustion engines - Radio disturbance characteristics - Limits and methods of measurement for the protection of on-board receivers	No vehicle tests; No High-Voltage-methods; only ALSE-methods; Frequency range: 30 MHz – 6 GHz
With regard to CAB-EMC(SAR) recognition for ISED Canada			
SAR	IEC/IEEE 62704-1: 2017-10	IEC/IEEE International Standard - Determining the peak spatial-average specific absorption rate (SAR) in the human body from wireless communications devices, 30 MHz to 6 GHz - Part 1: General requirements for using the finite-difference time-domain (FDTD) method for SAR calculations	
With regard to KBA recognition for UN ECE R10			
EMV	UN ECE R10, rev. 6, rev. 5	Concerning the Adoption of Harmonized Technical United Nations Regulations for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these United Nations Regulations; Addendum 9 – UN Regulation No. 10;	only parts A4, A5, A6 (E-Bikes); only parts A7, A8, A9, A10, part A9 only ALSE-method

