

Akrediteringens omfattning / Scope of accreditation – EMC and radio

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EMC GENERIC STANDARDS

European std	International std	Title	Flexible scope
EN 61000-6-1:2007	IEC 61000-6-1:2005	Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments	x
EN 61000-6-2:2005	IEC 61000-6-2:2005	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments	x
EN 61000-6-3:2007 & A1:2011	IEC 61000-6-3:2006 & A1:2010	Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light-industrial environments Not included: Test facility: TEM Waveguide & FAR	x
EN 61000-6-4:2007 & A1:2011	IEC 61000-6-4:2006 & A1:2010	Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments Not included: Test facility: TEM Waveguide & FAR	x

EMC BASIC STANDARDS

European std	International std	Title	Flexible scope
EN 55016-1-2:2004	CISPR 16-1-2:2003	Specification for radio disturbance and immunity measuring apparatus and methods Part 1-2: Radio disturbance and immunity measuring apparatus - Ancillary equipment - Conducted disturbances	
EN 55016-2-1:2004 & A1:2005	CISPR 16-2-1:2003 & A1:2005	Specification for radio disturbance and immunity measuring apparatus and methods Part 2-1: Methods of measurement of disturbance and immunity - Conducted disturbance measurements	x

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EN 55016-2-1:2009 & A1:2011	CISPR 16-2-1:2008 & A1:2010	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-1: Methods of measurement of disturbances and immunity - Conducted disturbance measurements	x
EN 55016-2-3:2006	CISPR 16-2-3:2006	Specification for radio disturbance and immunity measuring apparatus and methods Part 2-3: Methods of measurement of disturbance and immunity - Radiated disturbance measurements	x
EN 55016-2-3:2010 & A1:2010	CISPR 16-2-3:2010 & A1:2010	Specification for radio disturbance and immunity measuring apparatus and methods - Part 2-3: Methods of measurement of disturbances and immunity - Radiated disturbance measurements	x
EN 61000-3-2:2006 & A1:2009 & A2:2009	IEC 61000-3-2:2005 & A1:2008 & A2:2009	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current up to and including 16 A per phase)	x
EN 61000-3-2:2014	IEC 61000-3-2:2014	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current up to and including 16 A per phase)	x
EN 61000-3-3:2008	IEC 61000-3-3:2008	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	x
EN 61000-3-3:2013	IEC 61000-3-3:2013	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	x

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EN 61000-3-11:2000	IEC 61000-3-11:2000	Electromagnetic compatibility (EMC) - Part 3-11: Limits - Limitation of voltage changes, voltage fluctuation and flicker in public low-voltage supply systems - Equipment with rated current ≤ 75 A and subject to conditional equipment Measurement only on equipment with an input current up to 32 A.	x
EN 61000-3-12:2005	IEC 61000-3-12:2004	Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and ≤ 75 A per phase Measurement only on equipment with an input current up to 32 A.	x
EN 61000-3-12:2011	IEC 61000-3-12:2011	Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current > 16 A and ≤ 75 A per phase	x
EN 61000-4-2:1995 & A1:1998 & A2:2001	IEC 61000-4-2:1995 & A1:1998 & A2:2000	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measuring techniques, Electrostatic discharge immunity test	
EN 61000-4-2:2009	IEC 61000-4-2:2008	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measuring techniques, Electrostatic discharge immunity test	x
EN 61000-4-3:2002 & A1:2002	IEC 61000-4-3:2002 & A1:2002	Electromagnetic compatibility (EMC) Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test.	
EN 61000-4-3:2006 & A1:2008 & IS1:2009 & A2:2010	IEC 61000-4-3:2006 & A1:2007 & A2:2010	Electromagnetic compatibility (EMC) Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test.	x
EN 61000-4-4:2004 & A1:2010	IEC 61000-4-4:2004 & A1:2010	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measuring techniques - Electrical fast transient/burst immunity test	x

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EN 61000-4-4:2012	IEC 61000-4-4:2012	Electromagnetic compatibility (EMC) - Part 4-4: Testing and measuring techniques - Electrical fast transient/burst immunity test	x
EN 61000-4-5:2006	IEC 61000-4-5:2005	Electromagnetic compatibility (EMC) – Part 4-5: Testing and measurement techniques – Surge immunity test	x
EN 61000-4-6:2009	IEC 61000-4-6:2008	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measuring techniques - Immunity to conducted disturbance, induced by radio-frequency fields	x
EN 61000-4-6:2014	IEC 61000-4-6:2013	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measuring techniques - Immunity to conducted disturbance, induced by radio-frequency fields	x
EN 61000-4-8:1993 & A1:2001	IEC 61000-4-8:1993 & A1:2000	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measuring techniques - Power frequency magnetic field immunity test	
EN 61000-4-8:2010	IEC 61000-4-8:2009	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measuring techniques - Power frequency magnetic field immunity test	
EN 61000-4-11:1994 & A1:2001	IEC 61000-4-11:1994 & A1:2000	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measuring techniques: Voltage dips, short interruptions and voltage variations immunity tests	
EN 61000-4-11:2004	IEC 61000-4-11:2004	Electromagnetic compatibility (EMC) - Part 4-11: Testing and measuring techniques: Voltage dips, short interruptions and voltage variations immunity tests	x
EN 61000-4-13:2002	IEC 61000-4-13:2002	Electromagnetic compatibility (EMC) - Part 4-13: Testing and measurement techniques - Harmonics and interharmonics including mains signaling at a.c. power port, low frequency immunity test	x

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EMC PRODUCT FAMILY STANDARDS

European std	International std	Title	Flexible scope
EN 50130-4:1995 & A1:1998 & A2:2003		Alarm systems - Part 4: Electromagnetic compatibility - Product family standard: Immunity requirements for components of fire, intruder and social alarm systems	x
EN 50130-4:2011		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	x
EN 50121-3-2:2006		Railway applications - Electromagnetic compatibility - Part 3-2: Rolling stock – Apparatus Not included: AC Power port, Table 1 and DC power port, Table 2.	
EN 50121-4:2006		Railway applications - Electromagnetic compatibility - Part 4: Emission and immunity for the signalling and telecommunications apparatus <i>Not included: Tests according to EN 61000-4-9</i>	
EN 55011:2007 & A2:2007	CISPR 11:2003 & A1:2004 & A2:2006	Industrial, scientific and medical (ISM) radio frequency equipment - Radio disturbance characteristics - Limits and methods of measurement <i>Not included: Induction cooking appliances for commercial use and those for domestic use with a diagonal diameter of more than 1,6 m.</i>	x
EN 55011:2009 & A1:2010	CISPR 11:2009 & A1:2010	Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement	x
EN 55013:2001 & A1:2003 & A2:2006 & IS1:2009	CISPR 13:2001 & A1:2003 & A2:2006	Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement <i>Not included: Television and sound receivers for broadcast satellite transmission.</i>	x

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EN 55013:2013	CISPR 13:2009	Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement Not included: Television and sound receivers for broadcast satellite transmission.	x
EN 55014-1:2000 & A1:2001 & A2:2002	CISPR 14-1:2000 & A1:2001 & A2:2002	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission	
EN 55014-1:2006 & A1:2009 & A2:2011	CISPR 14-1:2005 & A1:2008 & A2:2011	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission	x
EN 55014-2:1997 & A1:2001 & A2:2008	CISPR 14-2:1997 & A1:2001 & A2:2008	Electromagnetic compatibility - Requirements for household appliances, electric tools and similar apparatus Part 2: Immunity	x
EN 55015:2006 & A1:2007 & A2: 2009	CISPR 15:2005 & A1:2006 & A2:2008	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment	x
EN 55015:2013	CISPR 15:2013	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment	x
EN 55020:2007 & A11:2011	CISPR 20:2006	Sound and television broadcast receivers and associated equipment - Immunity characteristics - Limits and methods of measurement <i>Not included: Television and sound receivers for broadcast satellite transmission and digital television receivers for DVB, except for DVB-T.</i>	x
EN 55022:2006 & A1:2007	CISPR 22:2005 & A1:2005	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement <i>Not included: Test according to sub-clause 9.6.3.5, measurements at telecommunications port intended for connection to cables containing more than four balanced pairs or to unbalanced cables.</i>	x

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EN 55022:2010	CISPR 22:2008	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement <i>Not included: Test according to sub-clause 9.6.3.5, measurements at telecommunications port intended for connection to cables containing more than four balanced pairs or to unbalanced cables.</i>	x
EN 55024:2010	CISPR 24:2010	Information technology equipment - Immunity characteristics - Limits and methods of measurement	x
EN 55032:2012	CISPR 32:2012	Electromagnetic compatibility of multimedia equipment - Emission requirements Note: Test method according to C.4.1.6.4 is not included	x
EN 55103-1:1996		Electromagnetic compatibility - Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use Part 1: Emission Not included: Wireless microphones	x
EN 55103-2:1996		Electromagnetic compatibility - Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use Part 2: Immunity Not included: Balanced signal and control ports	x
EN 60601-1-2:2001 & A1:2006	IEC 60601-1-2:2001 & A1:2004	Medical electrical equipment Part 1-2: General requirements for safety - Collateral Standard: Electromagnetic compatibility - Requirements and tests	
EN 60601-1-2:2007	IEC 60601-1-2:2007	Medical electrical equipment Part 1-2: General requirements for basic safety and essential performance - Collateral Standard: Electromagnetic compatibility - Requirements and tests	x

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EN 60601-1-11:2010	IEC 60601-1-11:2010	Medical electrical equipment – Part 1-11: General requirements for basic safety and essential performance – Collateral Standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment <i>Note: Only EMC requirement included</i>		x
EN 60601-2-1:1998	IEC 60601-2-1:1998	Equipment is energized but the output switch is not activated	High frequency surgical equipment	
EN 60601-2-10:2000 & A1 2001	IEC 60601-2-10:1999 & A1:2001	Requirements for test set-up.	Nerve and muscle stimulators	
EN 60601-2-12:2006	IEC 60601-2-12:2001	No additional requirements	Critical care ventilators	
EN 60601-2-13:2006 & A1:2007	IEC 60601-2-13:2003 & A1:2003	Additional compliance criteria	Anaesthetic Systems	
EN 60601-2-23:2000	IEC 60601-2-23:1999	No additional requirements	Transcutaneous partial pressure monitoring equipment	
EN 60601-2-25:1995 & A1 1999	IEC 60601-2-25:1993 & A1:1999	Additional compliance criteria and HF surgery tests	Electrocardiographs	
EN 60601-2-26:2003	IEC 60601-2-26:2002	Test set-up and compliance criteria	Electroencephalographs	
EN 60601-2-27:1994	IEC 60601-2-27:1994	No additional requirements	Electrocardiographic monitoring equipment	
EN 60601-2-27:2006 & C1 2006	IEC 60601-2-27:2005 & C1:2006	No additional requirements	Electrocardiographic monitoring equipment	
EN 60601-2-30:1995	IEC 60601-2-30:1995	Additional test set-up for simulation	Automatic cycling indirect blood pressure monitoring equipment	

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EN 60601-2-34:2000	IEC 60601-2-34:2000	Additional test set-up for simulation	Direct blood pressure monitoring equipment	
EN 60601-2-35:1996	IEC 60601-2-35:1996	10V/m for immunity to RF fields	Blankets, pads and mattresses intended for heating in medical use	
EN 60601-2-40:1998	IEC 60601-2-40:1998	Requirements for test set-up.	Electromyographs and evoked response equipment	
EN 60601-2-45:2001	IEC 60601-2-45:2001	No additional requirements	Mammographic X-ray equipment and mammographic stereotactic devices	
EN 60601-2-46:1998	IEC 60601-2-46:1998	HF surgery test	Operating tables	
EN ISO 80601-2-55:2011		Particular requirement for the basic safety and essential performance of respiratory gas monitor Note: only parts related to EMC		x
EN ISO 80601-2-12:2011		Particular requirement for the basic safety and essential performance of respiratory gas monitor Note: only parts related to EMC		x
EN 60439-1:1999 & A1:2004	IEC 60439-1 Ed.4 (1999) & A1:2004	Low-voltage switchgear and controlgear assemblies Part 1: Type-tested and partially type tested assemblies		
EN 60669-1:1995 & A2:1996	IEC 60669-1:1993 & A1:1994 & A2:1995	Switches for household and similar fixed installations Part 1: General requirements		
EN 60669-2-1:2004 & A1:2009 & A12:2010	IEC 60669-2-1:2002 & A1:2008	Switches for household and similar fixed installations Part 2-1: Particular requirements - Electronic switches		
EN 60730-1:2000 & A1:2004 & A16:2007	IEC 60730-1:99 & A1:2003	Automatic electrical controls for household and similar use Part 1: General information Not included: Clause H.26.6 (Three phase equipment) and H.26.13.		x

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EN 60730-2-7:2010	IEC 60730-2-7:2008	Automatic electrical controls for household and similar use – Part 2-7: Particular requirements for timers and time switches	
EN 60730-2-9:2010	IEC 60730-2-9:2008	Automatic electrical controls for household and similar use – Part 2-9: Particular requirements for temperature sensing controls	
EN 60945:2002	IEC 60945:2002	Maritime navigation and radio communication equipment and systems - General requirements - methods of testing and required test results <i>Note: Only clause 9 and 10</i>	
EN 60947-1:2004	IEC 60947-1:2004	Low-voltage switchgear and controlgear - Part 1: General rules	
EN 60947-1:2007	IEC 60947-1:2007	Low-voltage switchgear and controlgear - Part 1: General rules	
EN 60947-2:2006	IEC 60947-2:2006	Low-voltage switchgear and control gear - Part 2: Circuit-breakers <i>Not included: Clause F.4.1 and F.4.7</i>	
EN 60947-3:2009	IEC 60947-3:2008	Low-voltage switchgear and controlgear -- Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units	
EN 60947-4-2:2000 & A1:2002 & A2:2006	IEC 60947-4-2:1999 & A1:2001 & A2:2006	Low-voltage switchgear and controlgear - Part 4-2: Contactors and motor-starters - AC semiconductor motor controllers and starters	
EN 60947-5-1:2004 & A1:2009	IEC 60947-5-1:2003 & A1:2009	Low voltage switchgear and controlgear - Part 5-1: Control circuit devices and switching elements - Electromechanical control circuit devices	
EN 60947-5-2:2007	IEC 60947-5-2:2007	Low-voltage switchgear and control gear Part 5: Control circuit devices and switching elements - Section 2: Proximity switches	
EN 60947-6-1:2005	IEC 60947-6-1:2005	Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment	

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EN 60974-10:2003	IEC 60974-10:2002	Arc welding equipment Part 10: Electromagnetic compatibility (EMC) requirements	
EN 61131-2:2003	IEC 61131-2:2003	Programmable controllers Part 2 Equipment requirements and tests (PLC) <i>Not included: Testing according to EN 61 000-4-12 and voltage drops and immunity test on DC power supply.</i>	
EN 61326-1:2006	IEC 61326-1:2005	Electrical equipment for measurement, control and laboratory use - EMC requirements Part 1: General requirements	x
EN 61326-1:2013	EN 61326-1:2012	Electrical equipment for measurement, control and laboratory use - EMC requirements Part 1: General requirements	x
EN 61326-2-1:2006	IEC 61326-2-1:2005	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	
EN 61326-2-2:2006	IEC 61326-2-2:2006	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	
EN 61326-2-3:2006	IEC 61326-2-3:2006	Electrical equipment for measurement, control and laboratory use - EMC requirements Part 2-3: Particular requirements - Test configurations, operational conditions and performance criteria for transducers with integrated or remote signal conditioning	
EN 61326-2-6:2006	IEC 61326-2-6:2005	Electrical equipment for measurement, control and laboratory use - EMC requirements Part 2-6: Particular requirements - In vitro diagnostic (IVD) medical equipment	

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EN 61326-3-1:2008	IEC 61326-3-1:2008	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 <i>Not included: Requirement for DC port. Short interruptions, IEC 61000-4-29</i>	
EN 61326-3-2:2008	IEC 61326-3-2:2008	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 <i>Not included: Requirement for DC port. Short interruptions, IEC 61000-4-29</i>	
EN 61547:2009	IEC 61547:2009	Equipment for general lighting purposes - EMC immunity requirements	x
EN 61800-3:2004	IEC 61800-3:2004	Adjustable speed electrical power drive systems Part 3: EMC product standard including specific test methods <i>Not included: Sub-clauses 5.2, 6.2.2, 6.4.1.2 and 6.4.2.3 and testing of equipment rated above 1000 V, category C4.</i>	
EN 62040-2:2006 & C1:2006	IEC 62040-2:2005	Uninterruptible power systems (UPS) – Part 2: Electromagnetic compatibility (EMC) requirements <i>Note: This European Standard supersedes EN 50091-2:1995 + corrigendum January 1998.</i> <i>Not included: IEC 61000-2-2</i>	
ETSI EN 300 386 V1.5.1 (2010-10)	--	Electromagnetic compatibility and Radio spectrum Matters (ERM); Telecommunication network equipment; ElectroMagnetic Compatibility (EMC) requirements	x

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ETSI EN 300 386 V1.6.1 (2012-09)	--	Electromagnetic compatibility and Radio spectrum Matters (ERM); Telecommunication network equipment; ElectroMagnetic Compatibility (EMC) requirements	x
EN 301 489-01 V1.8.1 (2008-04)		Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements	x
EN 301 489-01 V1.9.2 (2011-09)		Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements	x
EN 301 489-03 V1.6.1 (2013)		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 Not included: Equipment powered by the battery in a vehicle	x
EN 301 489-04 V1.3.1 (2002)		Electromagnetic compatibility and radio spectrum matters (ERM); Electromagnetic compatibility (EMC) standard for radio equipment and services; Part 4: Specific conditions for fixed radio links and ancillary equipment and services	x
EN 301 489-05 V1.3.1 (2002)		Electromagnetic compatibility and radio spectrum matters (ERM); Electromagnetic compatibility (EMC) standard for radio equipment and services; Part 5: Specific conditions for Private land Mobile Radio (PMR) and ancillary equipment (speech and non-speech) Not included: Equipment powered by the battery in a vehicle	x

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<p>EN 301 489-07 V1.3.1 (2005)</p>		<p>Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 7: Specific conditions for mobile and portable radio and ancillary equipment of digital cellular radio telecommunications systems (GSM and DCS)</p> <p>Not included: Equipment for use in vehicular environment</p>	<p>x</p>
<p>EN 301 489-08 V1.2.1 (2002)</p>		<p>Electromagnetic compatibility and radio spectrum matters (ERM); Electromagnetic compatibility (EMC) standard for radio equipment and services; Part 8: Specific conditions for GSM base stations</p> <p>Not included: Equipment for use in vehicular environment</p>	<p>x</p>
<p>EN 301 489-17 V2.2.1 (2012-09)</p>		<p>Electromagnetic compatibility and Radio spectrum Matters (ERM);</p> <p>ElectroMagnetic Compatibility (EMC) standard for radio equipment;</p> <p>Part 17: Specific conditions for Broadband Data Transmission Systems</p> <p>Not included: Equipment for use in vehicular environment</p>	<p>x</p>
<p>EN 301 489-18 V1.3.1 (2002)</p>		<p>Electromagnetic compatibility and radio spectrum matters (ERM); Electromagnetic compatibility (EMC) standard for radio equipment and services; Part 18: Specific conditions for terrestrial trunked radio (TETRA) equipment</p> <p><i>Not included: Equipment for use in vehicular environment</i></p>	<p>x</p>

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EN 301 489-23 V1.5.1 (2011-11)		Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 23: Specific conditions for IMT-2000 CDMA Direct Spread (UTRA and E-UTRA) Base Station (BS) radio, repeater and ancillary equipment	x
EN 301 489-34 V1.4.1 (2013-05)		Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 34: Specific conditions for External Power Supply (EPS) for mobile phones	x
ETSI EN 301 489-50 V1.2.1 (2013-03)	--	Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 50: Specific conditions for Cellular Communication Base Station (BS), repeater and ancillary equipment	x
ETSI TS 136 113 V10.1.0 (2011-01)	3GPP TS 36.113 V9.2.0 Release 9	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) and repeater ElectroMagnetic Compatibility (EMC) (3GPP TS 36.113 version 9.2.0 Release 9)	x
ETSI TS 136 113 V12.3.0	3GPP TS 36.113 V12.3.0 Release 12	LTE; Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) and repeater ElectroMagnetic Compatibility (EMC) (3GPP TS 36.113 version 12.3.0 Release 12)	x
ETSI TS 137 113 V10.4.0 (2012-01)	3GPP TS 37.113 version 10.4.0 Release 10	Technical specification Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.113 version 10.4.0 Release 10)	
ETSI TS 137 113 V11.1.0 (2012-11)	3GPP TS 37.113 version 11.1.0 Release 11	Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.113 version 11.1.0 Release 11)	x

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<p>ETSI TS 137 113 V11.2.0</p>	<p>3GPP TS 37.113 version 11.2.0 Release 11</p>	<p>Digital cellular telecommunications system (Phase 2+); Universal Mobile Telecommunications System (UMTS); LTE; E-UTRA, UTRA and GSM/EDGE; Multi-Standard Radio (MSR) Base Station (BS) Electromagnetic Compatibility (EMC) (3GPP TS 37.113 version 11.2.0 Release 11)</p>	<p>x</p>
<p>GR-1089-CORE, Issue 6 ATT-TP-76200, Issue 18 GR-3171-CORE, Issue 1</p>		<p>Electromagnetic Compatibility (EMC) and Electrical Safety- Generic for Network Telecommunications Equipment. The following parts are included in the scope:</p>	<p>x</p>
		<p>Electrostatic Discharge (ESD) GR-1089- CORE, Issue 6, Section 2.1; ATT-TP-76200, Issue 18; GR-3171-CORE, Issue 1</p>	
		<p>Electrical Fast Transient (EFT) GR-1089- CORE, Issue 6, Section 2.2; ATT-TP-76200, Issue 18; GR-3171-CORE, Issue 1</p>	
		<p>Radiated Emissions (Unintentional Radiators) GR-1089- CORE, Issue 6, Section 3.2.1.1; ATT-TP-76200, Issue 18; GR-3171-CORE, Issue 1</p>	
		<p>Radiated Emissions (Unintentional Radiators) GR-1089- CORE, Issue 6, Section 3.2.1.2; ATT-TP-76200, Issue 18; GR-3171-CORE, Issue 1</p>	
		<p>Conducted Emission GR-1089- CORE, Issue 6, Section 3.2.2 and 3.2.3; ATT-TP-76200, Issue 18; GR-3171-CORE, Issue 1</p>	
		<p>Radiated Immunity GR-1089- CORE, Issue 6, Section 3.3.1; ATT-TP-76200, Issue 18; GR-3171-CORE, Issue 1</p>	
		<p>Conducted Immunity GR-1089- CORE, Issue 6, Section 3.3.2 and 3.3.3; ATT-TP-76200, Issue 18; GR-3171-CORE, Issue 1</p>	
		<p>Lightning GR- 1089- CORE, Issue 6, Section 4.6.2 (R4-14,R4-15, R4-16, R4-17, R4-18 only); ATT-TP-76200, Issue 18; GR-3171-CORE, Issue 1</p>	
		<p>First Level Lightning Surge for Antenna Ports GR-1089- CORE, Issue 6, Section 4.6.2.1.5 (R4-19 and R4-20 only); ATT-TP-76200, Issue 18; GR-3171-CORE, Issue 1</p>	

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		Lighting Criteria for Equipment Interfacing with DC Power to Antenna- Type GR-1089- CORE, Issue 6, Section 4.6.2.1.7 (R4-25 only); ATT-TP-76200, Issue 18; GR-3171-CORE, Issue 1	
ANSI C63.4-2009		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	
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	x
FCC/OET MP-5, 1986		FCC Methods of Measurements of Radio Noise Emissions from ISM Equipment, February 1986	
FCC Part 15		Code of Federal Regulations, Title 47, Part 15 Radio Frequency Devices	
FCC Part 18		Code of Federal Regulations, Title 47, Part 18 Industrial, Scientific, and Medical Equipment	
RSS-Gen, Issue 3 December 2010		General Requirements and Information for the Certification of Radio Apparatus	
RSS- Gen, Issue 4		General Requirements and Information for the Certification of Radio Apparatus	x
RSS- 102, Issue 5		RSS-102—Radio Frequency (RF) Exposure Compliance of Radio communication Apparatus (All Frequency Bands)	x
RSS- 131, Issue 2		Zone Enhancers for the Land Mobile Service	x
RSS- 132, Issue 3		Cellular Telephone Systems Operating in the Bands 824-849 MHz and 869-849 MHz	x
RSS- 133, Issue 6		2GHz Personal Communications Service	x
RSS- 139, Issue 2		Advanced Wireless Services (AWS) Equipment Operating in the Band 1710-1780 MHz and 2110-2180 MHz	x
RSS- 210, Issue 8		License-exempt Radio Apparatus (All Frequency Bands): Category I Equipment	x
RSS- 247, Issue 1		Digital Transmission Systems (DTSS), Frequency Hopping System (FHSs) and License- Exempt Local Area Network (LE-LAN) Devices	x

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RSS- 310, Issue 3		License-exempt Radio Apparatus (All Frequency Bands): Category II Equipment	x
ICES-003, Issue 5		Information Technology Equipment (ITE) – Limits and methods of measurement	x

RADIO PARAMETERS

European std	International std	Title	Flexible scope
EN 300 220-1 V2.4.1 (2012-05)		Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW; Part 1: Technical characteristics and test methods	x
EN 300 220-2 V2.4.1 (2012-05)		Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Radio equipment to be used in the 25 MHz to 1 000 MHz frequency range with power levels ranging up to 500 mW; Part 2: Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive Not included: Equipment intended for voice applications	x
EN 301 839-1 V1.3.1 (2009-10)		Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Ultra Low Power Active Medical Implants (ULP-AMI) and Peripherals (ULP-AMI-P) operating in the frequency range 402 MHz to 405 MHz; Part 1: Technical characteristics and test methods Not included: Spectrum access for monitoring system	x

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EN 301 839-2 V1.3.1 (2009-10)		Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Ultra Low Power Active Medical Implants (ULP-AMI) and Peripherals (ULP-AMI-P) operating in the frequency range 402 MHz to 405 MHz; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive Not included: Spectrum access for monitoring system	x
EN 300 328 V1.7.1 (2006-10)		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 essential requirements under article 3.2 of the R&TTE Directive	x
EN 300 328 V1.8.1 (2012-06)		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	x
EN 300 330-1 V1.7.1 (2010-02)		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 1: Technical characteristics and methods	x
EN 300 330-2 V1.5.1 (2010-02)		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 under article 3.2 of the R&TTE Directive	x
EN300440-1 V1.6.1		Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 1: Technical characteristics and test methods <i>Not included: Measurements above 40 GHz</i>	x

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EN300440-2 V1.4.1		Electromagnetic compatibility and Radio spectrum Matters (ERM); Short range devices; Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Part 2: Harmonized EN covering essential requirements of article 3.2 of the R&TTE Directive	x
EN 300 609-4 V8.0.2 (2000-10)		Digital cellular telecommunications system (Phase 2 and Phase 2+); Base Station System (BSS) equipment specification; Part 4: Repeaters (GSM 11.26 version 8.0.2 Release 1999)	x
EN 301 502 V10.2.1 (2012-11)		Global System for Mobile communications (GSM); Harmonized EN for Base Station Equipment covering the essential requirements of article 3.2 of the R&TTE Directive Note: Only Radiated spurious emissions	x
EN 301 511 V9.0.2 (2003-03)		Global System for Mobile communications (GSM); Harmonized EN for mobile stations in the GSM 900 and GSM 1800 bands covering essential requirements under article 3.2 of the R&TTE directive (1999/5/EC) <i>Note: Only spurious emission.</i>	x
EN 301 893 V1.7.1 (2012-06)		Broadband Radio Access Networks (BRAN); 5 GHz high performance RLAN; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive	x
ETSI EN 301 908-1 V5.2.1 (2011-05)		IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive; Part 1: Introduction and common requirements	x
ETSI EN 301 908-1 V6.2.1		IMT cellular networks; Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive; Part 1: Introduction and common requirements	x

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EN 301 908-11 V3.2.1 (2007-05)		Electromagnetic compatibility and Radio spectrum Matters (ERM); Base Stations (BS), Repeaters and User Equipment (UE) for IMT-2000 Third-Generation cellular networks; Part 11: Harmonized EN for IMT-2000, CDMA Direct Spread (UTRA FDD) (Repeaters) covering essential requirements of article 3.2 of the R&TTE Directive	x
EN 302 208-1 V2.1.1		Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W; Part 1: Technical requirements and methods of measurements	x
EN 302 208-2 V2.1.1		Electromagnetic compatibility and Radio spectrum Matters (ERM); Radio Frequency Identification Equipment operating in the band 865 MHz to 868 MHz with power levels up to 2 W and in the band 915 MHz to 921 MHz with power levels up to 4 W; Part 2: Harmonized EN covering the essential requirements of article 3.2 of the R&TTE Directive	x
EN 302 291-1 V1.1.1		Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Close Range Inductive Data Communication equipment operating at 13,56 MHz; Part 1: Technical characteristics and test methods	x
EN 302 291-2 V1.1.1		Electromagnetic compatibility and Radio spectrum Matters (ERM); Short Range Devices (SRD); Close Range Inductive Data Communication equipment operating at 13,56 MHz; Part 2: Harmonized EN under article 3.2 of the R&TTE Directive	x
ANSI C63.10-2009		American National Standard for Testing Unlicensed Wireless Devices	x
ANSI C63.10-2013		American National Standard of producers for Compliance Testing of Unlicensed Wireless Devices	x
ANSI/TIA/EIA-603-C-2004		Land Mobile FM or PM Communication Equipment - Measurement and Performance Standards	x

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ANSI/TIA/EIA-603-D-2010		Land Mobile FM or PM Communication Equipment - Measurement and Performance Standards	x
FCC Part 2		Code of Federal Regulations, Title 47, Part 2 Frequency Allocations And Radio Treaty Matters; General Rules And Regulations	x
FCC Part 20		Code of Federal Regulations, Title 47, Part 20 - Commercial Mobile Services	x
FCC Part 22		Code of Federal Regulations, Title 47, Part 22 - Public Mobile Services	x
FCC Part 24		Code of Federal Regulations, Title 47, Part 24 – Personal Communications Services	x
FCC Part 25		Code of Federal Regulations, Title 47, Part 25 – Satellite communications	x
FCC Part 27		Code of Federal Regulations, Title 47, Part 27—Miscellaneous Wireless Communications Services	X

FCC testing under MRA EU/USA 4.2.1999 – sectoral annex for electromagnetic compatibility (EMC)

TABLE 1: Scope of Accreditation for testing performed in support of DoC

Scope	Test Method(s)
Part 15, Unintentional Radiators	ANSI C63.4-2014, <i>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</i>
Part 18, Industrial, Scientific, and Medical Equipment	FCC MP-5 (February 1986), <i>FCC Methods of Measurements of Radio Noise Emissions From Industrial, Scientific, and Medical Equipment</i>

TABLE 2: Scope of Accreditation for testing performed in support of Certification

Part 15 Intentional Radiators below 26.5 GHz – except Part 15D and Part 15E (non-DFS)	ANSI C63.10-2013, <i>American National Standard for Testing Unlicensed Wireless Devices</i> KDB 789033
Part 15 Intentional Radiators above 26.5 GHz – except Part 15D and Part 15E (non-DFS)	ANSI C63.10-2013, <i>American National Standard for Testing Unlicensed Wireless Devices</i>
Part 15, Subpart D	ANSI C63.17-2013, <i>American National Standard Methods of Measurement of the Electromagnetic and Operational</i>

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	<i>Compatibility of Unlicensed Personal Communications Services (UPCS) Devices</i>
Part 15 Subpart E	<i>KDB 905462</i>
Part 18, Industrial, Scientific, and Medical Equipment	<i>FCC MP-5 (February 1986), FCC Methods of Measurements of Radio Noise Emissions From Industrial, Scientific, and Medical Equipment</i>
Licensed Radio Service Equipment o Part 20 o Part 22 (cellular) o Part 24 o Part 25 o Part 27	<i>ANSI/TIA-603-D (2010), Land Mobile FM or PM Communications Equipment Measurement and Performance Standards</i> <i>KDB 971168</i>

Akrediteringsomfattningen är på utvalda områden enligt ovan flexibel samt enligt vad som anges i detta beslut. Förändrade metoder där förändringarna innefattas i den flexibla ackrediteringen får, även om nytt beslut inte har utfärdats, användas som ackrediterade metoder.