

Schedule of Accreditation



Organisation Name	Compliance Engineering Ireland Ltd
Trading As	
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Accreditation Standard	EN ISO/IEC 17025 T
Standard Version	2017
Date of award of accreditation	11/03/1998
Scope Classification	Electrical Testing

Services available to the public¹

¹ Refer to document on interpreting INAB Scopes of Accreditation

Sites from which accredited services are delivered		
(the detail of the accredited services delivered at each site are on the Scope of Accreditation)		
	Name	Address
1	Compliance Engineering Ltd - Randalstown, Co. Antrim	8 Greenan Road, Randalstown, Co. Antrim, United Kingdom, BT41 3LP
2	Compliance Engineering Ireland Ltd - Dunshaughlin, Co. Meath (Head Office)	Clonross, Dunshaughlin, Meath, A85 XN59

Scope of Accreditation

Compliance Engineering Ireland Ltd -
Dunshaughlin, Co. Meath (Head Office)

Electrical Testing

Category: A

Electrical testing field - Type of test	Test description	Equipment tested	Measurement units (e.g. Amp, V, Hz)	Range of measurement	Std. ref & SOP	
301 Electromagnetic compatibility - .01 Emission testing	EMC Basic Standard ¹²⁴	Road Vehicles	V	9 kHz - 40 GHz	ISO 7637-1:2023	
	EMC Basic Standards ¹²⁴	Household and similar electrical appliances - Electromagnetic fields - Methods for evaluation and measurement	V	9 kHz - 40 GHz	EN 50366:2003 +A1:2006	
		Intentional Radiators	dBm	9 kHz - 40 GHz	FCC CFR 47 Part 15 Subchapter C	
		Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated	V	50Hz - 4kHz	EN 61000-3-3:2013 +A1:2017	

current \leq 16 A per phase and not subject to conditional connection				
	V	50Hz - 4kHz	IEC 61000-3-3:2013+A1:2017	
	V	50Hz - 4kHz	EN 61000-3-3:2013+A1:2019 +A2:2021	
	V	50Hz - 4kHz	IEC 61000-3-3:2013+A1:2017 +A2:2021	
Limits for harmonic current emissions	V	50Hz - 4kHz	EN IEC 61000-3-2:2019/AMD1:2021 AMD2:2024	
Low voltage Electrical and electronic equipment	V	9 kHz - 40 GHz	ANSI C63.4:2014	
	V	9 kHz - 40 GHz	ANSI C63.4a:2017	
Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure	V	9 kHz - 40 GHz	EN 62233:2008 IEC 62233:2005	
Railway applications	V	9 kHz - 40 GHz	IEC 62236-3-2:2018	
	V	9 kHz - 40 GHz	EN 50121-3-2:2016 +A1:2019	
	V	9 kHz - 40 GHz	EN IEC 50121-3-2:2018	
	V	9 kHz - 40 GHz	IEC 62236-2:2018	
Ultra-Wideband Operation	dBm	9 kHz - 40 GHz	FCC CFR 47 Part 15 Subchapter F	
Unintentional Radiators	dBm	9 kHz - 40 GHz	FCC CFR 47 Part 15: Subpart B	

	Unlicensed National Information Infrastructure Devices	dBm	9 kHz - 40 GHz	FCC CFR 47 Part 15 Subchapter E	
	Unlicensed Personal Communications Service Devices	dBm	9 kHz - 40 GHz	FCC CFR 47 Part 15 Subchapter D	
EMC Basic Standards ¹²⁴	Limits for harmonic current emissions	V	50Hz - 4kHz	IEC 61000-3-2:2018/ AMD1:2020 + AMD2:2024	
EMC generic standard ¹²⁴	Equipment used in residential, commercial and light industry	V	9 kHz - 40 GHz	EN IEC 61000-6-4:2019	
		V	9 kHz - 40 GHz	EN IEC 61000-6-3:2021	
		V	9 kHz - 40 GHz	EN IEC 61000-6-4:2019	
		V	9 kHz - 40 GHz	EN 61000-6-4:2007+A1:2011	
		V	9 kHz - 40 GHz	IEC 61000-6-4:2018	
		V	9 kHz - 40 GHz	IEC 61000-6-3:2006+A1:2016	
		V	9 kHz - 40 GHz	IEC 61000-6-1:2016	
		V	9 kHz - 7 GHz	IEC 61000-6-3:2020	
EMC product standard (Emissions and Immunity) ¹²⁴	Road Vehicles	V	20 MHz - 2 GHz (immunity) 150 kHz - 1 GHz (emissions)	ECE Regulation 10.06	
EMC product	Active implantable	V	9 kHz - 40 GHz	EN 45502-1:2015 Clause 24	

standard ¹²⁴	medical devices				
		V	9 kHz - 40 GHz	EN 45502-2-1:2003 Clause 24 & 27	
		V	9 kHz - 40 GHz	EN 45502-2-2:2008 Clause 24 & 27	
		V	9 kHz - 40 GHz	ISO 14708-1:2014 **1,2,4	
		V	9 kHz - 40 GHz	ISO 14708-2:2019 Clause 24 (ESD) and 27 (EMC)	
		V	9 kHz - 40 GHz	ISO 14708-3:2017 Clause 24 (ESD) and 27 (EMC)	
	Alarm systems - (Alarm transmission systems and equipment)	V	See 309.01 to 309.10 for ROM	EN 50136-2-1:1998 (EMC requirements only)	
	Alarm systems - (Fire, intruder and social alarm systems)	V	See 309.01 to 309.09 for ROM	EN 50130-4:2011 +A1:2014	
	Alarm systems - (Intrusion and hold-up systems)	V	See 309.01 to 309.09 for ROM	EN 50131-1: 2006 Clause 12.1 only+A2:2017 +A3:2020	
		V	See 309.01 to 309.09 for ROM	EN 50131-2-2: 2017 Clause 4.7.2 only	
		V	See 309.01 to 309.09 for ROM	EN 50131-2-2: 2008 Clause 4.7.2 only	
		V	See 309.01 to 309.09 for ROM	EN 50131-2-4: 2020 Clause 4.7.2 only	
		V	See 309.01 to 309.09 for ROM	EN 50131-2-6: 2008 Clause 4.7.2 only	
		V	See 309.01 to 309.09 for ROM	EN 50131-3: 2009 Clause 11.4 only	
		V	See 309.01 to 309.09 for ROM	EN 50131-4: 2019 Clause 5.4 only	
		V	See 309.01 to 309.09 for ROM	EN 50131-6: 2017 + A1:2021 Clause 4.14 only	

ambulatory electrocardiographic systems	V	9 kHz - 40 GHz	EN 60601-2-47:2015 Clause 202	
Automatic electrical controls for household and similar use	V	See 309.01 to 309.09 for ROM	IEC 60730-1:2022	
	V	See 309.01 to 309.09 for ROM	EN 60730-1:2016 +A1:2019	
	V	See 309.01 to 309.09 for ROM	EN IEC 60730-1:2024 +A11:2024	
cardiac defibrillators	V	9 kHz - 40 GHz	EN 60601-2-4:2011 + A1:2019 Clause 202	
	V	9 kHz - 40 GHz	EN 60601-2-4:2011 + A1:2019 Clause 202	
Commercial Avionics	V	9 kHz - 40 GHz	RTCA DO-160G Section 21	
Electrical equipment for measurement control and laboratory use	V	See 309.01 to 309.09 for ROM	EN IEC 61326-2-4:2021	
	V	See 309.01 to 309.09 for ROM	EN IEC 61326-2-5:2021	
	V	See 309.01 to 309.09 for ROM	EN IEC 61326-2-6:2021	
Electrical equipment for measurement, control and laboratory use	V	See 309.01 to 309.09 for ROM	EN IEC 61326-1:2021	
	V	See 309.01 to 309.09 for ROM	EN 61326-1:2006	
	V	See 309.01 to 309.09 for ROM	EN 61326-2-1:2013	
	V	See 309.01 to 309.09 for ROM	EN 61326-2-1:2006	

	V	See 309.01 to 309.09 for ROM	EN 61326-2-2:2013	
	V	See 309.01 to 309.09 for ROM	EN 61326-2-2:2006	
	V	See 309.01 to 309.09 for ROM	EN 61326-2-3:2013	
	V	See 309.01 to 309.09 for ROM	EN 61326-2-3:2006	
	V	See 309.01 to 309.09 for ROM	EN 61326-2-3:2013	
	V	See 309.01 to 309.09 for ROM	EN 61326-2-3:2013	
	V	See 309.01 to 309.09 for ROM	EN 61326-2-3:2013	
Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen	V	See 309.01 to 309.09 for ROM	EN 50270:2015	
electrocardiographic monitoring equipment	V	9 kHz - 40 GHz	EN 60601-2-27:2006	
	V	9 kHz - 40 GHz	EN 60601-2-27:2011	
	V	9 kHz - 40 GHz	EN 60601-2-27:2014 Clause 202	
EMC of multimedia equipment	V	9 kHz - 40 GHz	EN 55032:2012 (excl audio and broadcast receiver equipment)	
	V	9 kHz - 40 GHz	EN 55032:2015, A11:2020 (excl audio and broadcast receiver equipment)	
	V	9 kHz - 40 GHz	CISPR 32:2015 +A1:2019 (excl audio and broadcast receiver equipment)	
Equipment used in residential,	V	9 kHz - 40 GHz	EN 50082-1:1997	

commercial and light industry				
	V	See 309.01 to 309.09 for ROM	EN 61000-6-1:2001	
	V	See 309.01 to 309.09 for ROM	EN 61000-6-1:2007	
Equipment used in industrial environment	V	9 kHz - 40 GHz	EN 50082-2:1996	
	V	See 309.01 to 309.09 for ROM	EN 61000-6-2:1999	
	V	See 309.01 to 309.09 for ROM	EN 61000-6-2:2001	
	V	See 309.01 to 309.09 for ROM	EN 61000-6-2:2005	
	V	See 309.01 to 309.09 for ROM	EN IEC 61000-6-2:2019	
	V	See 309.01 to 309.09 for ROM	IEC 61000-6-2:2016	
external cardiac pacemakers with internal power source	V	9 kHz - 40 GHz	IEC 60601-2-31:2020	
Household appliances, electric tools and similar apparatus	V	9 kHz - 40 GHz	EN 55014:2001 A2:2002 EN 55014-1:2006, A1:2009 +A2:2011	
	V	9 kHz - 40 GHz	CISPR 14-1:2020	
Household appliances, electric tools and similar equipment	V	9 kHz - 40 GHz	EN 55014-1:2017, A11:2020	
	V	9 kHz - 40 GHz	EN IEC 55014-1:2017	
	V	9 kHz - 40 GHz	CISPR 14-1:2005, A1:2008 and A2:2011	

	V	9 kHz - 40 GHz	CISPR 14-1:2016	
Industrial, scientific and medical equipment	V	9 kHz - 40 GHz	EN 55011:2016 A1:2017 A2:2021 A11:2020	
	V	9 kHz - 40 GHz	CISPR 11:2009	
	V	9 kHz - 40 GHz	CISPR 11:1997 +A1:1999, A2:2002	
	V	9 kHz - 40 GHz	AS/NZS CISPR 11:2017	
	V	9 kHz - 7 GHz	CISPR 11: 2024	
Information technology equipment	V	9 kHz - 40 GHz	CISPR 22:2005 + A1:2005	
	V	9 kHz - 40 GHz	AS/NZS CISPR 22:2002	
	V	9 kHz - 40 GHz	EN 55022:2010	
	V	9 kHz - 40 GHz	AS/NZ CISPR 32:2015 +A1:2020 (excl audio and broadcast receiver equipment)	
	V	9 kHz - 40 GHz	EN 55022:1998 + A2:2003	
	V	9 kHz - 40 GHz	EN 55022:2006 + A1:2007	
	V	9 kHz - 40 GHz	CISPR 22:1997 + A1:2001, +A2:2002	
Luminaires	V	9 kHz - 40 GHz	CISPR 15: 2018	
	V	9 kHz - 40 GHz	EN IEC 55015:2019, A11:2020	
	V	9 kHz - 40 GHz	CISPR 15: 2018	
	V	9 kHz - 40 GHz	CISPR 15: 2013	
	V	9 kHz - 40 GHz	CISPR 15: 2018 +A1:2024	
Medical electrical equipment	V	9 kHz - 40 GHz	EN 60601-2-25:2015 Clause 202	
	V	9 kHz - 7 GHz	EN 60601-2-10:2015 +A1:2016 +A2:2024 (EMC requirements)	

	V	See 309.01 to 309.09 for ROM	IEC 60601-1-2:2015+A1:2020 Excludes user documentation, technical aspects only	
	V	See 309.01 to 309.09 for ROM	EN 60601-1-2:2015+A1:2021 Excludes user documentation, technical aspects only	
Radio equipment and services	V	See 309.01 to 309.09 for ROM	ETSI EN 301 489-1 - V2.2.3	
	V	See 309.01 to 309.09 for ROM	EN 50293:2012	
	V	See 309.01 to 309.09 for ROM	EN 12895:2015 +A1:2019	
	V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-3:v1.6.1	
	V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-3:v1.6.1	
	V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-3:v2.1.1	
	V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-7:v1.3.1	
	V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-5 V2.2.1	
	V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-8 V1.2.1	
	V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-9 V2.1.1	
	V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-17 V3.2.6	
	V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-23 V1.5.1	
	V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-27 V2.2.1	

		V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-29 V2.2.0	
		V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-31 V2.2.1	
		V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-33 V2.2.1	
		V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-35 V2.2.0	
		V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-50 V2.2.1	
		V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-52 V1.1.0	
		V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-52 V1.3.1	
		V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-3:v2.3.2	
		V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-17 V3.3.1	
		V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-3:v2.3.2	
		V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-50 V2.3.1	
	Railway applications	V	See 309.01 to 309.09 for ROM	EN 50121-4:2016+A1:2019	
	Road Vehicles	V	9 kHz - 40 GHz	EC Directive 2004/104/EC	
	Vehicles, boats and internal combustion engines	V	9 kHz - 40 GHz	EN 55025:2022, CISPR 25:2021 CISPR 25: 2002 +COR1: 2004	
		V	9 kHz - 40 GHz	EN 55012:2007 +A1:2009, CISPR 12:2007 +A1:2009	
EMC product standard ¹²⁴	Household appliances, electric	V	9 kHz - 40 GHz	EN 55014-1:2021	

		tools and similar equipment				
		Medical electrical equipment	V	9 kHz - 40 GHz	IEC 60601-2-10:2012 +A1:2016 +A2:2023 (EMC requirements)	
	Radio Basic Standards ¹²⁴	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations	dBm	9 kHz - 40 GHz	FCC CFR 47 Part 2: Subparts A, H, I, J, K	
	Radio product standard ¹²⁴	Industrial, Scientific and Medical (ISM) Radio Frequency Generators	dBm	9 kHz - 40 GHz	ICES-001	
		Information technology equipment	dBm	9 kHz - 40 GHz	ICES-003	
		Vehicles, boats and internal combustion engines	dBm	9 kHz - 40 GHz	ICES-002	
301 Electromagnetic compatibility - .02 Immunity testing	EMC generic standard ¹²⁴	Equipment used in residential, commercial and light industry	V	9 kHz - 7 GHz	EN IEC 61000-6-1:2019	
	EMC product standard ¹²⁴	Active implantable medical devices	V	See 309.01 to 309.09 for ROM	ISO 14117:2019	
			V	See 309.01 to 309.09 for ROM	AAMISO 14117:2012 Sub Clause 4.3	
		As above	V	See 309.01 to 309.09 for ROM	EN 61000-4-8:2010 IEC 61000-4-8:2009	

	Emissions and immunity tests Lighting	V	See 309.01 to 309.09 for ROM	EN IEC 61547:2023		
		V	See 309.01 to 309.09 for ROM	IEC 61547:2020		
	Emissions and immunity tests Switch Mode Power Supplies	V	See 309.01 to 309.09 for ROM	EN 61204-3:2018		
		V	See 309.01 to 309.09 for ROM	IEC 61204-3:2016		
	Household appliances, electrical tools and similar apparatus	V	See 309.01 to 309.09 for ROM	CISPR 14-2:2020		
		V	See 309.01 to 309.09 for ROM	EN 55014-2:2015		
		V	See 309.01 to 309.09 for ROM	EN IEC 55014-2:2021		
	Information technology equipment	V	See 309.01 to 309.09 for ROM	EN 55024 :2010 +A1:2015		
		V	See 309.01 to 309.09 for ROM	EN 55035:2017, A11:2020		
		V	See 309.01 to 309.09 for ROM	CISPR 35:2016		
	Product family standard for automotive aftermarket electronic equipment in vehicles	V	See 301.01 and 301.02 for ROM	EN 50498:2010		
	Radio product standard ¹²⁴	IMT cellular networks	dBm	9 kHz - 40 GHz	ETSI EN 301 908-1 V15.1.1	
			dBm	9 kHz - 40 GHz	ETSI EN 301 908-1 V15.2.1	

		Radio Frequency Identification Equipment	dBm	9 kHz - 40 GHz	EN 302 208-1 V3.3.1	
		Short Range Devices	dBm	9 kHz - 40 GHz	EN 300 220-2 V3.1.1	
			dBm	9 kHz - 40 GHz	ETSI EN 300 220-2 V3.3.1	
302 Approval & performance tests - .01 Radio communications equipment	EMC basic immunity standards ¹²⁴	Conducted immunity testing to 10Vemf	V	9 kHz - 230 MHz	IEC 61000-4-6:2023	
	EMC product standard ¹²⁴	Radio equipment and services	V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-29 V2.2.1	
	Radio Basic Standards ¹²⁴	Transmitters Used in Licensed Radio Services	dBm	9 kHz - 40 GHz	ANSI C63.26:2015 incl KDB publication 971168	
	Radio product standard ¹²⁴	2 GHz Personal Communications Services	dBm	9 kHz - 40 GHz	RSS-133 Issue 6 2013, Amendment 1 January 2018	
			dBm	9 kHz - 40 GHz	RSS-133 Issue 7 July 2024	
		5 GHz RLAN	dBm	9 kHz - 40 GHz	EN 301 893 V2.1.1	
		Advanced Wireless Services	dBm	9 kHz - 40 GHz	RSS-139 Issue 3 July 2015	
			dBm	9 kHz - 40 GHz	RSS-139 Issue 4 Sept 2022	
		Cellular Telephone Systems	dBm	9 kHz - 40 GHz	RSS-132 Iss.3 January 2013	
			dBm	9 kHz - 40 GHz	RSS-132 Iss.4 January 2023	
Devices Using Ultra - Wideband Technology		dBm	9 kHz - 40 GHz	RSS 220 Issue 1, Amendment 1 July 2018		
Digital Transmission Systems, Frequency hopping systems and Licence-Exempt Local	dBm	9 kHz - 40 GHz	RSS-247 Issue 2 February 2017			

Area Network Devices				
Digital Transmission Systems, Frequency hopping systems and Licence-Exempt Local Area Network Devices	dBm	9 kHz - 40 GHz	RSS-247 Issue 3 August 2023	
	dBm	9 kHz - 40 GHz	RSS-247 Issue 4 July 2025	
Experimental Radio, Auxiliary, Special Broadcast and other Program Distributional Services	dBm	9 kHz - 40 GHz	FCC 47 CFR Part 74	
Frequency Allocations and Radio Treaty Matters, General Rules and Regulations	dBm	9 kHz - 40 GHz	FCC 47 CFR 2	
General Requirements for Compliance of Radio Apparatus	dBm	9 kHz - 40 GHz	RSS Gen Issue 5 April 2018 A1 March 2019 A2 February 2021	
IMT cellular networks	dBm	9 kHz - 40 GHz	ETSI EN 301 908-1 V13.0.1	
Industrial, scientific and medical equipment	dBm	9 kHz - 40 GHz	FCC MP-5 February 1986	
Licence-Exempt Radio Apparatus: Category I Equipment	dBm	9 kHz - 40 GHz	RSS-210 Issue 10, December 2019, Amendment (April 2020)	
	dBm	9 kHz - 40 GHz	RSS-210 Issue 11, 2024 (< 40 GHz)	
Medical Devices	dBm	9 kHz - 40 GHz	RSS-243, Issue 3 February 2010	
	dBm	9 kHz - 40 GHz	RSS-244, Issue 1 June 2013	

Medradio	dBm	9 kHz - 40 GHz	FCC 47 CFR Part 95 Rules for Medradio	
Miscellaneous Wireless Communications Services	dBm	9 kHz - 40 GHz	FCC 47 CFR 27	
Personal Communications Services	dBm	9 kHz - 40 GHz	FCC 47 CFR 24	
Public Mobile Services	dBm	9 kHz - 40 GHz	FCC 47 CFR Part 22	
Radio Broadcast Services	dBm	9 kHz - 40 GHz	FCC 47 CFR Part 73	
Radio equipment in the frequency range 9 kHz to 315 kHz	dBm	9 kHz - 40 GHz	EN 302 195-1 V1.1.1	
	dBm	9 kHz - 40 GHz	EN 302 195-2 V1.1.1	
Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)	dBm	9 kHz - 40 GHz	Measurement: RSS-102 (RF Exp.) Iss.5 March 2015 Amendment 1 (February 2, 2021)	
Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands)	dBm	3 kHz - 10 MHz	RSS-102.NS.MEAS 2023	
	dBm	9 kHz - 40 GHz	RSS-102 Iss.6 Dec 2023	
Radio Frequency Identification Equipment	dBm	9 kHz - 40 GHz	EN 302 208-1 V2.1.1	
	dBm	9 kHz - 40 GHz	EN 302 208-2 V2.1.1	

	dBm	9 kHz - 40 GHz	EN 302 208-2 V3.2.0	
	dBm	9 kHz - 40 GHz	ETSI EN 302 208 V3.2.0	
Railway applications	dBm	9 kHz - 40 GHz	EN 50121-2:2017	
Satellite Communications	dBm	9 kHz - 40 GHz	FCC 47 CFR Part 25	
Short Range Devices	dBm	9 kHz - 40 GHz	EN 300 330-2 V1.6.1	
	dBm	9 kHz - 40 GHz	EN 300 440 V2.2.1 EN 300 440 V2.1.1	
	dBm	9 kHz - 40 GHz	EN 300 440-1 V1.6.1	
	dBm	9 kHz - 40 GHz	EN 300 440-2 V2.1.1	
	dBm	9 kHz - 40 GHz	EN 301 839 V2.1.1	
	dBm	9 kHz - 40 GHz	EN 301 839-1 V1.3.1	
	dBm	9 kHz - 40 GHz	EN 301 839-2 V1.3.1	
	dBm	9 kHz - 40 GHz	EN 302 195 V2.1.1	
	dBm	9 kHz - 40 GHz	EN 302 537-1 V1.1.2	
	dBm	9 kHz - 40 GHz	EN 302 537-2 V1.1.2	
	dBm	9 kHz - 40 GHz	EN 300 220-1 V3.1.1	
	dBm	9 kHz - 40 GHz	EN 300 220-2 V3.2.1	
	dBm	9 kHz - 40 GHz	EN 300 220-3-1 V2.1.1	
	dBm	9 kHz - 40 GHz	EN 300 220-3-2 V1.1.1	
	dBm	9 kHz - 40 GHz	EN 300 220-4 V1.1.1	
	dBm	9 kHz - 40 GHz	EN 300 330 V2.1.1	
	dBm	9 kHz - 40 GHz	EN 300 220-2 V3.1.1	
Ultra Low Power Medical Data Service	dBm	9 kHz - 40 GHz	EN 302 537 V2.1.1	

		(MEDS) Systems				
		Ultra-Wideband Operation	dBm	9 kHz - 40 GHz	KDB 789033	
	dBm		9 kHz - 40 GHz	FCC KDB 905462		
	dBm		9 kHz - 40 GHz	D02 UNII DFS Compliance Procedures New Rules v02		
		Unlicensed Personal Communications Services (UPCS) Devices	dBm	9 kHz - 40 GHz	ANSI C63.17:2013	
		Unlicensed Wireless Devices	dBm	9 kHz - 40 GHz	ANSI C63.10:2009	
	dBm		9 kHz - 40 GHz	ANSI C63.10:2013		
	dBm		9 kHz - 40 GHz	ANSI C63.10:2020 +Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024		
		Wideband Transmission Systems	dBm	9 kHz - 40 GHz	EN 300 328 V2.2.2	
		Wireless Microphones	dBm	9 kHz - 40 GHz	ETSI EN 300 422-1 V2.1.2	
			dBm	9 kHz - 40 GHz	ETSI EN 300 422-1 V2.1.2	
302 Approval & performance tests - .02 Electrical appliances and accessories	Audio/video, information and communication technology equipment - Part 1 safety requirements 124	Audio/video, information and communication technology equipment	A,V,HZ,m,N,Lux,dB	0V-10000V 0A-600A 0Hz - 300Mhz 0m - 10m 0N- 800N 0lx - 1500lx 50dB - 130dB	EN 62368-1:2014/A11:2017	
				A,V,HZ,m,N,Lux,dB	0V-10000V 0A-600A 0Hz - 300Mhz 0m - 10m 0N- 800N	IEC 62368-1:2014/COR2:2015

			0lx - 1500lx 50dB - 130dB		
		A,V,Hz,m,N,Lux,dB	0V-10000V 0A-600A 0Hz - 300Mhz 0m - 10m 0N- 800N 0lx - 1500lx 50dB - 130dB	IEC 62368-1:2018	
		A,V,Hz,m,N,lx,dB	0V to10000V 0A to 600A 0Hz to 300Mhz 0m to 10m 0N to 800N 0lx to1500lx 50dB to 130dB	EN IEC 62368-1:2020	
Audio/video, information and communication technology equipment - Part 1 safety requirements ¹²⁴	Audio/video, information and communication technology equipment	A,V,Hz,m,N,Lux,dB	0V-10000V 0A-600A 0Hz - 300Mhz 0m - 10m 0N- 800N 0lx - 1500lx 50dB - 130dB	IEC 62368-1:2023	
EMC basic immunity standards ¹²⁴	Conducted immunity testing to 10Vemf	V	9 kHz - 230 MHz	EN IEC 61000-4-6:2023	
IT Equipment and Electrical Office equipment ¹²⁴	Information technology equipment	A,V,Hz,m,N,Lux,dB	0V-10000V 0A-600A 0Hz - 300Mhz 0m - 10m 0N- 800N 0lx - 1500lx 50dB - 130dB	EN 60950-1:2006+A11:2009+A1:2010+A2:2013 Excluding:- 4.2.8 (CRTs) 4.3.12 (Flammable liquids) 4.3.13 (lasers) 4.7.3 (materials testing - high current arcing) Annex U (insulating winding wire) Annex Y (UV	

				conditioning) test) Annex AA (mandrel Annex CC (IC currnt limiters) Annex EE (shredders)	
		A,V,Hz,m,N,Lux,dB	0V-10000V 0A-600A 0Hz - 300Mhz 0m - 10m 0N- 800N 0lx - 1500lx 50dB - 130dB	IEC 60950-1:2005+A1:2010+A2:2- 13+A11:2009+A12:2011+A2:2013 Excluding:- 4.2.8 (CRTs) 4.3.12 (Flammable liquids) 4.3.13 (lasers) 4.7.3 (materials testing - high current arcing) Annex U (insulating winding wire) Annex Y (UV conditioning) test) Annex AA (mandrel Annex CC (IC currnt limiters) Annex EE (shredders)	
Measurement and control equipment 124	Electrical equipment for measurement, control and laboratory use	A,V,Hz,m,N,Lux,dB	0V-10000V 0A-600A 0Hz - 300Mhz 0m - 10m 0N- 800N 0lx - 1500lx 50dB - 130dB	EN 61010-1: 2001	
		A,V,Hz,m,N,Lux,dB	0V-10000V 0A-600A 0Hz - 300Mhz 0m - 10m 0N- 800N 0lx - 1500lx	EN 61010-1: 2010+A1:2019 Excluding:- 10.5.3 Insulating materials 11.7 (Fluid pressure and leakage) 12.2.1 (ionising	

			50dB - 130dB	radiation) 12.3 (UV radiation) 12.5.2 (ultrasonic pressure) 12.6 (laser sources)	
		A,V,HZ,m,N,Lux,dB	0V-10000V 0A-600A 0Hz - 300Mhz 0m - 10m 0N- 800N 0lx - 1500lx 50dB - 130dB	IEC 61010: 2017 Excluding:- 10.5.3 Insulating materials 11.7 (Fluid pressure and leakage) 12.2.1 (ionising radiation) 12.3 (UV radiation) 12.5.2 (ultrasonic pressure) 12.6 (laser sources)	
Medical electrical equipment - Part 1: General requirements ¹²⁴	Medical devices	A,V,HZ,m,N,Lux,dB	0V-10000V 0A-600A 0Hz - 300Mhz 0m - 10m 0N- 800N 0lx - 1500lx 50dB - 130dB	EN 60601-1:1990 +A13:1996	
Medical electrical equipment - Part 1: General requirements for basic safety and essential performance ¹²⁴		A,V,HZ,m,N,Lux,dB	0V-10000V 0A-600A 0Hz - 300Mhz 0m - 10m 0N- 800N 0lx - 1500lx 50dB - 130dB	EN 60601-1:2006 + A1:2013 + A12:2014 + A2:2021 + A13:2024	
Medical electrical equipment - Part 1- 11: General requirements for basic safety and		A,V,HZ,m,N,Lux,dB	0V to10000V 0A to 600A 0Hz to 300Mhz 0m to 10m 0N to 800N	EN 60601-1-11:2010	

essential performance - Collateral standard: Requirements for medical electrical equipment and medical electrical systems used in the home healthcare environment

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 ¹²⁴

	0lx to1500lx 50dB to 130dB		
A,V,HZ,m,N,lx,dB	0V to10000V 0A to 600A 0Hz to 300Mhz 0m to 10m 0N to 800N 0lx to 1500lx 50dB to 130dB	IEC 60601-1-11:2010	
A,V,HZ,m,N,Lux,dB	0V-10000V 0A-600A 0Hz - 300Mhz 0m - 10m 0N- 800N 0lx - 1500lx 50dB - 130dB	EN 60601-1-11:2015+A1:2021 Excluding:- 8.8.4.2 (environmental stress) 9.52 (Cathode ray tubes) 9.6.3 (hand transmitted vibration) 9.7.5 (Pressure tests) 10.4 (laser and LED emissions) 11.2 (Fire prevention-Spark ignition) 11.6.7 (sterilization) 11.7 (biocompatibility) 12.4.5 (diagnostic or therapeutic radiation) 15.3.4 (lithium batteries) 15.4.3.4	

Medical electrical equipment - Part 1-8: General requirements for basic safety and essential performance - Collateral Standard: General requirements, tests and guidance for alarm systems in medical electrical

		(Temperature overload control devices PTC's)	
A,V,Hz,m,N,Lux,dB	0V-10000V 0A-600A 0Hz - 300Mhz 0m - 10m 0N- 800N 0lx - 1500lx 50dB - 130dB	IEC 60601-1-11:2015+A1:2020 Excluding:- 8.8.4.2 (environmental stress) 9.52 (Cathode ray tubes) 9.6.3 (hand transmitted vibration) 9.7.5 (Pressure tests) 10.4 (laser and LED emissions) 11.2 (Fire prevention-Spark ignition) 11.6.7 (sterilization) 11.7 (biocompatibility) 12.4.5 (diagnostic or therapeutic radiation) 15.3.4 (lithium batteries) 15.4.3.4 (Temperature overload control devices PTC's)	
A,V,Hz,m,N,Lux,dB	0V-10000V 0A-600A 0Hz - 300Mhz 0m - 10m 0N- 800N 0lx - 1500lx 50dB - 130dB	IEC 60601-1-11:2015 Excluding:- 8.8.4.2 (environmental stress) 9.52 (Cathode ray tubes) 9.6.3 (hand transmitted vibration) 9.7.5 (Pressure tests) 10.4 (laser and LED emissions) 11.2 (Fire prevention-Spark ignition)	

	equipment and medical electrical systems ¹²⁴				11.6.7 (sterilization) 11.7 (biocompatibility) 12.4.5 (diagnostic or therapeutic radiation) 15.3.4 (lithium batteries) 15.4.3.4 (Temperature overload control devices PTC's)	
	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance ¹²⁴		A,V,Hz,m,N,Lux,dB	0V-10000V 0A-600A 0Hz - 300Mhz 0m - 10m 0N- 800N 0lx - 1500lx 50dB - 130dB	IEC 60601-1:2005 + A1:2012+A2:2020	
309 EMC - .01 Electrostatic discharge testing	EMC basic immunity standards ¹²⁴	Electrostatic discharge testing to 25kV	V	500V to 25kV	EN 61000-4-2:1995 +A1:1998, +A2:2001	
			V	500V to 25kV	IEC 61000-4-2:2008 EN 61000-4-2:2009	
			V	500V to 25kV	IEC 61000-4-2:2025	
			V	500V to 25kV	EN IEC 61000-4-2:2025	
309 EMC - .02 Radiated immunity testing	EMC basic immunity standards ¹²⁴	Radiated immunity testing to 20V/m	V	27MHz to 6GHz	EN IEC 61000-4-3:2020	
			V	27MHz to 6GHz	EN 61000-4-3:2006, A1:2008, A2:2010	
			V	27MHz to 6GHz	IEC 61000-4-3:2020	

309 EMC - .03 Electrical fast transient testing	EMC basic immunity standards ¹²⁴	Electrical fast transient testing to 4.4 kV	V	500 V to 4.4 kV	IEC 61000-4-4:2012	
			V	500 V to 4.4 kV	EN 61000-4-4:2012	
		Electrical fast transient testing to 4.4kV	V	500 V to 4.4 kV	EN 61000-4-4:1995, +A1:2000 +A2:2001	
			V	500 V to 4.4 kV	EN 61000-4-4:2007+A1:2010	
309 EMC - .04 Surge testing		Surge testing to 4.4kV	V	500V to 4.4kV	EN 61000-4-5:2014, A1:2017	
			V	500V to 4.4kV	EN 61000-4-5:2006	
			V	500V to 4.4kV	IEC 61000-4-5:2014+A1:2017	
309 EMC - .05 Conducted immunity testing		Conducted immunity testing to 10Vemf	V	9 kHz - 230 MHz	IEC 61000-4-6:2003 +A1:2004	
			V	9 kHz - 230 MHz	EN 61000-4-6:2014	
			V	9 kHz - 230 MHz	EN 61000-4-6:1996 +A1:2001	
			V	9 kHz - 230 MHz	EN 61000-4-6:2009	
			V	9 kHz - 230 MHz	IEC 61000-4-6:2013	
309 EMC - .06 Magnetic field immunity testing		Magnetic field immunity testing to 300A/m	V	1 A/m to 300 A/m	EN 61000-4-8:2010	
			V	1 A/m to 300 A/m	IEC 61000-4-8:2009	
309 EMC - .07 Pulse magnetic field testing		Pulse magnetic field testing	V	9 kHz - 40 GHz	EN 61000-4-9:2016	
			V	9 kHz - 40 GHz	IEC 61000-4-9:2016	

309 EMC - .08 Voltage dips, short interruptions testing	EMC basic immunity standards ¹²⁴	Voltage dips, short interruptions testing	V	5mS to 5 Seconds	EN 61000-4-11:2004+A1:2017	
			V	5mS to 5 Seconds	EN 61000-4-11:2020	
			V	5mS to 5 Seconds	EN IEC 61000-4-11:2020	
			V	5mS to 5 Seconds	IEC 61000-4-11:2020	
309 EMC - .09 Harmonics and interharmonics	EMC basic immunity standards ¹²⁴	Harmonics and interharmonics	V	50Hz - 4kHz	EN 61000-4-13:2002+A1:2009 +A2:2016	
			V	50Hz - 4kHz	IEC 61000-4-13:2002+A1:2009 +A2:2015	
			V	50Hz - 4kHz	IEC 61000-4-13:2002+A1:2009 +A2:2015	
309 EMC - .10 Automotive transients		Automotive transients	V	0V to 600V	ISO 7637-2:2004 +A1:2008	
			V	0V to 600V	ISO 7637-2:2011	
309 EMC - .12 Radiated immunity testing, near field	EMC Basic immunity standard ¹²⁴	Immunity to magnetic fields and radiated RF fields	A/m, V/m	9kHz - 26MHz : 26MHz - 6GHz	IEC 61000-4-39:2017	
			A/m, V/m	9kHz - 26MHz : 26MHz - 6GHz	EN 61000-4-39:2017	

The laboratory has been awarded flexible scope in the scope classifications as noted in the scope document and in accordance with the laboratory's approved and documented procedures.

Note 1 - Range may be extended for the test

Note 2 – New parameters/tests may be added

Note 4 – Changes to equipment/kits where the underlying methodology does not change

For further details, please refer to the laboratory's 'List of flexible scope changes', available directly from the laboratory.

**Compliance Engineering Ireland Ltd -
Dunshaughlin, Co. Meath (Head Office)**

Electrical Testing

Category: B

Electrical testing field - Type of test	Test description	Equipment tested	Measurement units (e.g. Amp, V, Hz)	Range of measurement	Std. ref & SOP	
301 Electromagnetic compatibility - .01 Emission testing	EMF Basic Standards ¹²⁴	Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)	V/m, A/m	DC to 50 GHz	EN IEC 62311:2020	
			V/m, A/m	DC to 50 GHz	EN 50364:2010	
			V/m, A/m	DC to 50 GHz	EN 50364:2018	
	Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields	V/m, A/m	DC to 50 GHz	EN 62479:2010		
		V/m, A/m	DC to 50 GHz	EN 50663:2017		
		V/m, A/m	DC to 50 GHz	EN 50663:2025		
	Basic standard for the calculation and measurement of electromagnetic field strength and SAR	V/m, A/m	DC to 50 GHz	EN 50383:2010		

related to human exposure from radio base stations for wireless telecommunication systems (110 MHz – 40 GHz)				
Evaluation of human exposure to electromagnetic fields from short range devices (SRDs) in various applications over the frequency range 0 GHz to 300 GHz	V/m, A/m	DC to 50 GHz	EN 62369-1:2009	
	V/m, A/m	DC to 50 GHz	EN 62233:2008 IEC 62233:2005	
	V/m, A/m	DC to 50 GHz	EN 62493:2010	
Generic standard for assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields	V/m, A/m	DC to 50 GHz	EN 50665:2017	
Generic standard to demonstrate the compliance of equipment used by workers with limits on exposure to electromagnetic fields	V/m, A/m	DC to 50 GHz	EN 50664:2017	
Human exposure to Electromagnetic Fields	V/m, A/m	DC to 50 GHz	ENV 50166-2 Jan 1995	

	V/m, A/m	DC to 50 GHz	ICNIRP Guidelines 1998 Health Physics, April 1998, Vol.74, No.4	
On the limitation of exposure of the general public in electromagnetic fields (0 Hz – 300 GHz)	V/m, A/m	DC to 50 GHz	1999/519/EC Council Recommendation of 12 July 1989	
Product standard to demonstrate the compliance of base station equipment with radiofrequency electromagnetic field exposure limits	V/m, A/m	DC to 50 GHz	EN 50401:2017	
Product standard to demonstrate the compliance of radio base stations & fixed terminal stations for wireless telecommunication systems with the basic restrictions or the reference levels related to human exposure to radio frequency	V/m, A/m	DC to 50 GHz	EN 50385:2017	
Recommended practice for the measurements and computations of radio frequency electromagnetic fields with respect to human exposure to such	V/m, A/m	DC to 50 GHz	IEEE C 95.3.1:2010	

	fields				
<p><i>The laboratory has been awarded flexible scope in the scope classifications as noted in the scope document and in accordance with the laboratory's approved and documented procedures.</i></p> <p><i>Note 1 - Range may be extended for the test</i> <i>Note 2 – New parameters/tests may be added</i> <i>Note 4 – Changes to equipment/kits where the underlying methodology does not change</i></p> <p><i>For further details, please refer to the laboratory's 'List of flexible scope changes', available directly from the laboratory.</i></p>					

**Compliance Engineering Ltd - Randalstown, Co.
Antrim**

Electrical Testing

Category: A

Electrical testing field - Type of test	Test description	Equipment tested	Measurement units (e.g. Amp, V, Hz)	Range of measurement	Std. ref & SOP	
301 Electromagnetic compatibility - .01 Emission testing	EMC Basic Standards	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	V	50Hz - 4kHz	IEC 61000-3- 3:2013+A1:2017 +A2:2021	
		Limits for harmonic current emissions	V	50Hz - 4kHz	IEC 61000-3-2:2018/ AMD1:2020 + AMD2:2024	
	EMC Basic Standards	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	V	50Hz - 4kHz	IEC 61000-3- 3:2013+A1:2019 +A2:2021	
		Limits for harmonic current emissions	V	50Hz - 4kHz	EN 61000-3- 3:2013+A1:2019 +A2:2021	
		Limits for harmonic current emissions	V	50Hz - 4kHz	EN IEC 61000-3-2:2019 +A1:2021 +A2:2024	

	Low voltage Electrical and electronic equipment	V	9 kHz - 7 GHz	ANSI C63.4:2014	
	Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure	V	9 kHz - 7 GHz	EN 62233:2008	
	Railway applications	V	9 kHz - 7 GHz	IEC 62236-3-2:2018	
		V	9 kHz - 7 GHz	EN 50121-3-2:2016 +A1:2019	
		V	9 kHz - 7 GHz	IEC 62236-2:2018	
	Unintentional Radiators	V	9 kHz - 7 GHz	FCC CFR 47 Part 15: Subpart B	
EMC generic standard	Equipment used in residential, commercial and light industry	V	9 kHz - 7 GHz	IEC 61000-6-1:2016	
EMC generic standard		V	9 kHz - 7 GHz	EN IEC 61000-6-3:2021	
		V	9 kHz - 7 GHz	EN IEC 61000-6-4:2019	
		V	9 kHz - 7 GHz	IEC 61000-6-3:2020	
		V	9 kHz - 7 GHz	EN IEC 61000-6-1:2019	

		V	9 kHz - 7 GHz	IEC 61000-6-3:2020	
EMC product standard	Automatic electrical controls for household and similar use	V	See 309.01 to 309.09 for ROM	EN IEC 60730-1:2024 +A11:2024	
	Electrical equipment for measurement, control and laboratory use	V	See 309.01 to 309.09 for ROM	IEC 61326-1:2020	
	EMC of multimedia equipment	V	9 kHz - 40 GHz	EN 55032:2015, A11:2020 (excl audio and broadcast receiver equipment)	
	Luminaires	V	9 kHz - 40 GHz	CISPR 15: 2018 +A1:2024	
	Medical electrical equipment	V	9 kHz - 7 GHz	IEC 60601-2-10:2012 +A1:2016 +A2:2023 (EMC requirements)	
		V	9 kHz - 7 GHz	EN 60601-2-10:2015 +A1:2016 +A2:2024 (EMC requirements)	
	Radio equipment and services	V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-52 V1.3.1	
EMC product standard ¹²⁴	Industrial, scientific and medical equipment	V	9 kHz - 7 GHz	CISPR 11: 2024	
EMC product standard	Commercial Avionics	V	9 kHz - 7 GHz	RTCA DO-160G Section 21	
	EMC of multimedia	V	9 kHz - 7 GHz	CISPR 32:2015 +A1:2019	

equipment			(excl audio and broadcast receiver equipment)	
Household appliances, electric tools and similar apparatus	V	9 kHz - 7 GHz	CISPR 14-1:2020	
	V	9 kHz - 7 GHz	EN IEC 55014-1:2021	
Industrial, scientific and medical equipment	V	9 kHz - 7 GHz	EN 55011:2016 +A1:2017 +A2:2021 +A11:2020	
	V	9 kHz - 7 GHz	CISPR 11:2009	
	V	9 kHz - 7 GHz	CISPR 11:2015+A1:2016+A2:2019	
Information technology equipment	V	9 kHz - 7 GHz	AS/NZ CISPR 32:2015 +A1:2020 (excl audio and broadcast receiver equipment)	
Luminaires	V	9 kHz - 7 GHz	EN IEC 55015:2019, A11:2020	
	V	9 kHz - 7 GHz	CISPR 15: 2018	
Radio equipment and services	V	See 309.01 to 309.09 for ROM	EN 12895:2015+A1:2019	
	V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-3:v2.3.2	
Road traffic signal systems	V	See 309.01 to 309.09 for ROM	EN 50293:2012	
Road Vehicles	V	9 kHz - 7 GHz	ECE Regulation 10.06	
Vehicles, boats and internal combustion engines	V	9 kHz - 7 GHz	EN IEC 55025:2022	
	V	9 kHz - 7 GHz	EN 55025:2022, CISPR 25:2021	

					CISPR 25: 2002 +COR1: 2004	
			V	9 kHz - 7 GHz	EN 55012:2007 + A1:2009, CISPR 12:2007 +A1:2009	
	Radio product standard	Railway applications	V	9 kHz - 7 GHz	EN 50121-2:2017	
301 Electromagnetic compatibility - .02 Immunity testing	EMC product standard		V	See 309.01 to 309.09 for ROM	EN 50121-4:2016+ A1:2019	
	EMC product standard	Alarm systems - (Fire, intruder and social alarm systems)	V	See 309.01 to 309.09 for ROM	EN 50130-4:2011 +A1:2014	
		Alarm systems - (Intrusion and hold-up systems)	V	See 309.01 to 309.09 for ROM	EN 50131-1: 2006 +A1:2009+A2:2017+A3:2020	
			V	See 309.01 to 309.09 for ROM	EN 50131-2-2: 2021	
			V	See 309.01 to 309.09 for ROM	EN 50131-2-4: 2020	
			V	See 309.01 to 309.09 for ROM	EN 50131-2-6: 2008	
			V	See 309.01 to 309.09 for ROM	EN 50131-3: 2009	
			V	See 309.01 to 309.09 for ROM	EN 50131-4: 2019	
			V	See 309.01 to	EN 50131-6: 2017 +A1:2021	

		309.09 for ROM		
Automatic electrical controls for household and similar use	V	See 309.01 to 309.09 for ROM	IEC 60730-1:2022	
Electrical equipment for measurement, control and laboratory use	V	See 309.01 to 309.09 for ROM	EN IEC 61326-1:2021	
	V	See 309.01 to 309.09 for ROM	EN IEC 61326-2-4:2021	
	V	See 309.01 to 309.09 for ROM	EN IEC 61326-2-5:2021	
	V	See 309.01 to 309.09 for ROM	EN IEC 61326-2-6:2021	
Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen	V	See 309.01 to 309.09 for ROM	EN 50270:2015	
Equipment used in residential, commercial and light industry	V	See 309.01 to 309.09 for ROM	EN 61000-6-1:2019	
Equipment used in industrial environment	V	See 309.01 to 309.09 for ROM	EN IEC 61000-6-2:2019	
Household appliances, electrical tools and similar apparatus	V	See 309.01 to 309.09 for ROM	CISPR 14-2:2020	
	V	See 309.01 to 309.09 for ROM	EN IEC 55014-2:2021	
Information technology equipment	V	See 309.01 to 309.09 for ROM	EN 55024 :2010 +A1:2015	

			V	See 309.01 to 309.09 for ROM	EN 55035:2017, A11:2020	
			V	See 309.01 to 309.09 for ROM	CISPR 35:2016	
		Medical electrical equipment	V	See 309.01 to 309.09 for ROM	EN 60601-1-2:2015+A1:2021	
			V	See 309.01 to 309.09 for ROM	IEC 60601-1-2:2014+A1:2020	
		Power station and substation environment	V	See 309.01 to 309.11 for ROM	IEC 61000-6-5:2015	
			V	See 309.01 to 309.11 for ROM	EN 61000-6-5:2015	
		Product family standard for automotive aftermarket electronic equipment in vehicles	V	See 301.01 and 301.02 for ROM	EN 50498:2010	
		Radio equipment and services	V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-1: v2.2.3	
			V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-3:v2.3.0	
			V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-50 V2.3.1	
			V	See 309.01 to 309.10 for ROM	ETSI EN 301 489-52 V1.2.1	
302 Approval & performance tests - .02 Electrical appliances and accessories	EMC basic immunity standards	Conducted immunity testing to 10Vemf	V	9 kHz - 230 MHz	EN IEC 61000-4-6:2023	
			V	9 kHz - 230 MHz	IEC 61000-4-6:2023	
309 EMC - .01		Electrostatic	V	500V to 25kV	IEC 61000-4-2:2025	

Electrostatic discharge testing	EMC basic immunity standards	discharge testing to 25kV				
			V	500V to 25kV	EN IEC 61000-4-2:2025	
			V	25kV	EN 61000-4-2:2009	
			V	25kV	IEC 61000-4-2:2008	
309 EMC - .02 Radiated immunity testing	EMC basic immunity standards	Radiated immunity testing to 20V/m	V	27MHz to 6GHz	IEC 61000-4-3:2020	
	EMC basic immunity standards	Radiated electromagnetic energy from proximity transmitters	V	9 kHz to 6 GHz	IEC 61000-4-39:2017	
		Radiated immunity testing to 20V/m	V	27MHz to 6GHz	EN IEC 61000-4-3:2020	
309 EMC - .03 Electrical fast transient testing		Electrical fast transient testing to 4kV	V	4kV	IEC 61000-4-4:2012	
			V	4kV	EN 61000-4-4:2012	
309 EMC - .04 Surge testing		Damped oscillatory wave immunity test	V	3.3kV	IEC 61000-4-18:2019	

			V	3.3kV	EN 61000-4-18:2019	
		Ring wave immunity test	V	3.3kV	IEC 61000-4-12:2017	
			V	3.3kV	EN 61000-4-12:2017	
		Surge testing to 4kV	V	4kV	EN 61000-4-5:2014, A1:2017	
			V	4kV	IEC 61000-4-5:2014+A1:2017	
309 EMC - .05 Conducted immunity testing		Conducted immunity testing to 10Vemf	V	9 kHz - 230 MHz	EN 61000-4-6:2014	
			V	9 kHz - 230 MHz	IEC 61000-4-6:2013	
309 EMC - .06 Magnetic field immunity testing		Magnetic field immunity testing to 300A/m	V	300 A/m	EN 61000-4-8:2010	
			V	300 A/m	IEC 61000-4-8:2009	
		Pulse magnetic field testing	V	9 kHz - 7 GHz	EN 61000-4-9:2016	
	V		9 kHz - 7 GHz	IEC 61000-4-9:2016		
309 EMC - .07 Pulse magnetic field testing						
309 EMC - .08 Voltage dips, short interruptions testing	EMC basic immunity standards	Voltage dips, short interruptions testing	V	5mS to 5 Seconds	IEC 61000-4-11:2020	
	EMC basic immunity standards		V	5S	EN IEC 61000-4-11:2020	

309 EMC - .11 Harmonics and interharmonics testing	Harmonics and interharmonics	V	50Hz - 4kHz	EN 61000-4-13:2003+A1:2009+A2:2016	
		V	50Hz - 4kHz	IEC 61000-4-13:2002+A1:2009+A2:2015	
309 EMC - .12 Radiated immunity testing, near field	Radiated electromagnetic energy from proximity transmitters	V	9 kHz to 6 GHz	EN 61000-4-39:2017	