


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 UKAS TESTING 1574 Accredited to ISO/IEC 17025:2017	Eurofins York Ltd	
	Issue No: 124 Issue date: 07 September 2021	
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Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address Unit 46 Beeches Industrial Estate Yate South Gloucestershire BS37 5QT	Local contact Mr. Paul James Tel: +44 (0)1454 326998 Fax: +44 (0) 1454 326930 Email: pauljames@eurofins.com Website: www.yorkemc.com	EMC Testing EMF Testing Radio Testing B
Address Unit 5 Speedwell Road Castleford WF10 5PY	Local contact Mr Colin Greenfield Tel: +44 (0)1977 731173 Fax: +44 (0)1977 603181 Email: colingreenfield@eurofins.com Website: www.yorkemc.com	EMC Testing Low Voltage Safety Testing EMF Testing Radio Testing C
Address Unit 1 Grangemouth Technology Park Earls Road Grangemouth FK3 8UZ	Local contact Dr. Didier Bozec Tel: +44 (0)1324 469000 Email: didierbozec@eurofins.com Website: www.yorkemc.com	EMC Testing Low Voltage Safety Testing EMF Testing G



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Issue No: 124 Issue date: 07 September 2021

Testing performed by the Organisation at the locations specified

Section	Index	Pages
Section 1	EMC TESTING	3 - 13
Section 2	ELECTRICAL SAFETY TESTING	14 - 23
Section 3	RADIO TESTING	24 - 25
Section 4	EU/USA MRA / FCC CAB Accredited Scope	26
Section 5	Canadian MRA / ISED Scope of Accreditation	27

Where the BS EN or EN standards have exact equivalents in EN or IEC Standards, those EN or IEC standards are also included in the accreditation.



1574
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Flexible Scope

The Flexible Scope applies to the laboratory's accreditation to ISO/IEC17025:2017 for testing activities in accordance with the standards listed in sections 1, 2 and 3 at sites B, C and G.

The scope may also include tests on the same or similar product types against standards, or customer-specified methods that are not specifically listed in this Schedule, providing that:

- (1) The method or standard does not introduce new principles of measurement.
- (2) The method or standard does not require measurements to be made outside the parametric boundaries defined in this Schedule.

Information about flexible scopes of accreditation is available in UKAS document GEN 4.

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SECTION 1			
EMC TESTS¹			
For all EMC tests listed:			
Computers and Peripherals Domestic Appliances: Electrical Electrical/Electronic Components Electrical/Electronic Connectors Electrical/Electronic Products Electronic Products: Digital Electro-Mechanical Devices Equipment for Installation on Railway Rolling Stock IT Equipment Luminaires Micro-electronic Circuits and Components Printed Circuit Boards Office Equipment: Electrical	1.1 Conducted Emissions - AC and DC Power Ports 9 kHz to 30 MHz	CISPR 11:1997 + A1 + A2 CISPR 11: 2009 + A1 EN 55011:1998 + A1 + A2 EN 55011:2007 + A2 EN 55011:2009 + A1 EN 55014-1:2006 + A1 + A2 EN 55014-1:2017 CISPR 14-1:2016 + COR1:2016 EN 55015:2013 EN 55015:2013 + A1 CISPR 15:2018 EN 55022:2006 EN 55022:2010 EN 55032:2012 (IT equipment) EN 55032:2015 (IT equipment) CISPR 32:2015 (IT equipment)	B, G B, C, G B, C, G B, C, G B, C, G B, C, G B, C, G B, C, G B, C, G B, C, G B, C, G B, C, G



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SECTION 1 (cont'd) EMC TESTS¹ As listed on page 2	1.1 Conducted Emissions - AC and DC Power Ports 9 kHz to 30 MHz	ANSI C63.4:2014 CFR 47:Part 15B (60 Hz single phase only) CFR 47:Part 18 (60 Hz single phase only) VCCI 32-1 excluding telecoms ports and kit modules ICES-003:2012	B, C, G B, C, G B, C, G G B, G
	1.2 Radiated Emissions E-field: 30 MHz to 40 GHz	CISPR 11:1997 + A1 + A2 CISPR 11:2009 + A1 EN 55011:1998 + A1 + A2 EN 55011:2007 EN 55011:2007 + A2 EN 55011:2009 + A1 EN 55014-1:2006 + A1 + A2 EN 55014-1:2017 CISPR 14-1:2016 + COR1:2016 EN 55015:2013 + A1 EN55015:2019 CISPR 15:2018 EN 55022:2010 EN 55032:2015 (IT equipment) CISPR 32:2015 (IT equipment) EN55032:2012 (IT equipment) TRG 1068:1991 RIA 18:1990 EN 55016-2-3:2010 EN 55016-2-3:2010 + A1 EN 55016-2-3:2010 + A1 + A2 EN 55016-2-3:2017 VCCI 32-1	B, C, G B, C, G B, C, G C B, C, G B, C, G B, C, G B, C, G B, C, G B, C, G B, C, G B, C, G B, C, G B, C, G C C B, C, G B, C, G B, C, G C G



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SECTION 1 (cont'd) EMC TESTS¹ As listed on page 2	1.2 Radiated Emissions E-field: 30 MHz to 40 GHz	CFR 47:Part 15B CFR 47:Part 18 (60 Hz Single phase only) ANSI C63.4: 2014 ICES-003:2012	B, C, G B, C, G B, C, G B, G
	1.3 Radiated Emissions H-field: 9 kHz to 30 MHz	CISPR 11:1997 + A1 + A2 (excluding induction cookers) EN 55011:1998 + A1 + A2 (excluding induction cookers) EN 55015:2006 + A1 + A2 EN 55015:2013 + A1 EN 55015:2019 CISPR 15:2018 ANSI C63.4-2014 EN 60945:2002 IEC 60945:2002	B, C, G B, C, G B, C B, C B, C B, C B, C, G B, G B, G
	1.4 Disturbance Power 30 MHz to 300 MHz	EN 55014-1:2006 EN 55014-1:2006 + A1 + A2 EN 55014-1:2017 CISPR 14-1:2016 + COR1:2016	B, C B, C B, C B, C
	1.5 Discontinuous Emissions (Clicks): 10 kHz to 30 MHz	EN 55014-1:2006 + A1 + A2 EN 55014-1:2017 CISPR 14-1:2016 + COR1:2016	C C C
	1.6 Harmonics Harmonic measurements to 40 th harmonic, 13A max	EN 61000-3-2:2006 + A1 + A2 EN 61000-3-2:2014 IEC 61000-3-2:2018 EN 61000-3-2:2019	B, C, G B, C, G B, G B, G



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SECTION 1 (cont'd) EMC TESTS¹ As listed on page 2	1.7 Flicker measurements 230V, 13A Pst, Plt, dT, dmax, dc	EN 61000-3-3:2008 EN 61000-3-3:2013 IEC 61000-3-3:2013 EN 61000-3-3:2013 + A1	B, C, G B, C, G B, C, G B, G
	1.8 Insertion Loss 150 kHz to 1605 kHz	EN 55015:1996 (Superseded) EN 55015:2006 + A1 + A2	C C
	1.9 Emissions related to Human exposure		
	1.9.1 Electromagnetic fields of household appliances and similar apparatus	EN 62233:2008	G
	1.9.2 Lighting equipment	EN 62493:2010	B
1.10 Radiated Immunity			
80 MHz to 1 GHz Up to 30V/m (B,C,G)	IEC 61000-4-3:2002 + A1 EN 61000-4-3:2002 + A1	B, C, G B, C, G	
1 GHz to 6 GHz Up to 10 V/m (B)	IEC 61000-4-3:2006 + A1 + A2 EN 61000-4-3:2006 + A1 + A2	B, C, G B, C, G	
1.7 GHz to 6 GHz Up to 20 V/m (B)	RIA 18:1990 EN55016-2-4:2004	C B, C, G	
1.7 GHz to 2.6 GHz Up to 30 V/m (B)			
1 GHz to 6 GHz Up to 20 V/m (C,G)			



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SECTION 1 (cont'd) EMC TESTS¹ As listed on page 2	1.11 Fast Transients/Bursts Up to 4.4 kV (B, C, G)	EN 61000-4-4:1995 + A1 + A2 IEC 61000-4-4:1995 + A1 + A2	B, C, G B, C, G
		IEC 61000-4-4:2004 EN 61000-4-4:2004	B, C, G B, C, G
		IEC 61000-4-4:2004 + A1 EN 61000-4-4:2004 + A1 EN 61000-4-4:2012	B, C, G B, C, G B, C, G
	1.12 Conducted RF Immunity 150 kHz to 230 MHz Up to 10 Vrms	IEC 61000-4-6:1996 + A1 EN 61000-4-6:1996 + A1	B, C, G B, C, G
		IEC 61000-4-6:2007 EN 61000-4-6:2007	B, C, G B, C, G
		IEC 61000-4-6:2008 EN 61000-4-6:2009	B, C, G B, C, G
		EN 61000-4-6:2014	B, C, G
	1.13 Surge 1.2/50 µs up to 6.6 kV 10/700 µs up to 4 kV (B) 5/50 µs up to 1.8 kV (C) 10/700 µs up to 6.6kV (G)	EN 61000-4-5:1995 + A1 IEC 61000-4-5:1995 + A1	B, C, G B, C, G
		IEC 61000-4-5:2005 EN 61000-4-5:2006	B, C, G B, C, G
IEC 61000-4-5:2014 EN 61000-4-5:2014		B, C, G B, C, G	
IEC 61000-4-5:2014 + A1 EN 61000-4-5:2014 + A1		B, C, G B, C, G	



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SECTION 1 (cont'd) EMC TESTS¹ As listed on page 2	1.14 Voltage Dips and Interruptions AC 230V up to 16A, 250A inrush 40%, 70% and 100% output DC 40% 70%, 80%, 120%	IEC 61000-4-11:1994 + A1 EN 61000-4-11:1994 + A1 IEC 61000-4-11:2004 + A1 EN 61000-4-11:2004 + A1 EN 61000-4-29: 2000	B, C, G B, C, G B, C, G B, C, G B
	1.15 ESD Up to 15 kV air Up to 8 kV contact	IEC 61000-4-2:1995 + A1 + A2 EN 61000-4-2:1995 + A1 + A2 IEC 61000-4-2:2008 EN 61000-4-2:2009	B, C, G B, C, G B, C, G B, C, G
	1.16 Power Frequency Magnetic Field Immunity Up to 100 A/m (C,G) Up to 300A/m (B)	IEC 61000-4-8:1993 + A1 EN 61000-4-8:1993 + A1 IEC 61000-4-8:2009 EN 61000-4-8:2010	G G B, C, G B, C, G
	1.17 Pulsed Magnetic fields Up to 1200 A/m	EN 61000-4-9:1993 + A1 IEC 61000-4-9:2016 EN 61000-4-9:2016	B, C B B
	1.18 Ring Wave Immunity	EN 61000-4-12:2006 EN 61000-4-12:2017	B, G G



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<p>SECTION 1 (cont'd)</p> <p>EMC TESTS¹</p> <p>As listed on page 2</p>	<p>1.19 Generic and Product Standards</p> <p>These generic and product specific standards are included in this schedule, but limited to those referred basic standards that explicitly listed in Sections 1.1 to 1.18</p>	<p>EN 61000-6-1:2007 IEC 61000-6-1:2007 EN 61000-6-1:2019 IEC 61000-6-1:2016</p> <p>EN 61000-6-2:2005 IEC 61000-6-2:2005 EN 61000-6-2:2019 IEC 61000-6-2: 2016</p> <p>EN 61000-6-3:2007 + A1 IEC 61000-6-3:2006 + A1</p> <p>EN 61000-6-4:2007 + A1 IEC 61000-6-4:2006 + A1 EN 61000-6-4:2019 IEC 61000-6-4:2018</p> <p>EN 61000-6-5:2015 IEC 61000-6-5:2015</p> <p>EN 12015:2004 EN 12016:2004 + A1</p> <p>EN 50121-3-2:2016 excluding THD for AC power outlet for public use</p> <p>EN50121-3-2:2016 + A1 excluding THD for AC power outlet for public use</p> <p>EN 50121-4:2016 + A1</p> <p>EN50121-5:2017 EN50121-5:2017 +A1</p>	<p>B, C, G B, C, G B, C, G B, C, G</p> <p>B, C, G B, C, G B, C, G B, C, G</p> <p>B, C, G B, C, G</p> <p>B, C, G B, C, G</p> <p>G G</p> <p>C C</p> <p>B, C, G</p> <p>B, C, G</p> <p>B, C, G</p> <p>B, C, G B, C, G</p>



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Testing performed by the Organisation at the locations specified

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<p>SECTION 1 (cont'd)</p> <p>EMC TESTS¹</p> <p>As listed on page 2</p>	<p>1.19 Generic and Product Standards</p> <p>These generic and product specific standards are included in this schedule, but limited to those referred basic standards that explicitly listed in Sections 1.1 to 1.18</p>	<p>EN 50130-4:1995 + A1 + A2 EN 50130-4:2011 EN 50130-4:2011 + A1</p> <p>EN 50270:2015</p> <p>EN 50293:2012</p> <p>EN 55014-2:1997 + A1 + A2 EN 55014-2:2015</p> <p>EN 55024:2010 +A1 EN 55024:2010</p> <p>CISPR 35:2016 EN 55035:2017</p> <p>EN 60601-1-2:2007 EN 60601-1-2:2007+ Cor:2010 EN 60601-1-2:2015 IEC 60601-1-2:2014 EN60601-1-2:2015 + A1:2021 IEC60601-1-2:2014 + A1:2020</p> <p>EN 60945:2002 IEC 60945:2002</p> <p>EN 61326-1:2013 IEC 61326-1:2012</p> <p>EN 61326-2-6:2013 IEC 61326-2-6:2012</p> <p>EN 61547:2009</p> <p>EN 61800-3:2004 IEC 61800-3:2004 + A1 (excluding 5.2.2 to 5.2.4 and 6.2)</p> <p>IEC 60533:2015 (excluding AF immunity tests)</p>	<p>B, C, G B, C, G B, C, G</p> <p>B, C, G</p> <p>B, C</p> <p>B, C, G B, C, G</p> <p>B, G C</p> <p>B, C, G B, C, G</p> <p>B, C, G B, G B, C, G B, C, G G G</p> <p>B, G B, G</p> <p>B, C, G B, C, G</p> <p>B, C, G B, C, G</p> <p>B, C, G</p> <p>G G</p> <p>G</p>



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SECTION 1 (cont'd) EMC TESTS¹ As listed on page 2	1.19 Generic and Product Standards These generic and product specific standards are included in this schedule, but limited to those referred basic standards that explicitly listed in Sections 1.1 to 1.18	EN 62040-2:2006 IEC 62040:2005 (excluding harmonics, inter-harmonics and three phase voltage imbalance tests) EN 62040-2:2018 IEC 62040:2008 (excluding harmonics, inter-harmonics and three phase voltage imbalance tests) EN 301 489-3 V1.6.1 (2013-08) EN 301 489-3 V2.1.1 (2017-03) EN 301 489-1 V1.9.2 (2011-09) EN 301 489-1 V2.1.1 (2017-02) EN 301 489-1 V2.2.1 (2019-03) EN 301 489-1 V2.2.3 (2019-11) EN 301 489-17 V3.2.4(2020-09) EN 301 489-52 V1.1.0(2016-11)	G G G G B, C, G B, C, G B, C, G B, G B, G B, C, G G B, G

Note: International Standards, EN, ENV and IEC, listed in this Schedule, that have been adopted nationally as BS EN, DD ENV and BS IEC and are technically identical, can be considered as being included in this Schedule.



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Issue No: 124 Issue date: 07 September 2021

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
<p>Facilities: Unit 5, Speedwell Road, Castleford, WF10 5PY</p> <p>40 GHz ferrite/hybrid lined semi/anechoic chamber (alternative test site): 8.50 m x 5.0 m x 5.50 m (Lab 1), door size: 2.0 m x 2.50 m</p> <p>18 GHz ferrite/ hybrid lined anechoic chamber: 6.8m x 3m x 3m (Lab 3), door size: 1.0 m x 2.0 m 40 GHz ferrite/foam lined anechoic chamber (FAR): 8.6m x 4.6m x 4.6m door size: 2.0m x 2.1m</p> <p>18 GHz ferrite/foam lined anechoic chamber: 7.0m x 4m x 2.5m (Unit 7 – development chamber)</p> <p>Screened room: 8.0m x 4.0m x 3.0m (Lab 2), door size: 2.0m x 2.5m Screened room: 7.5m x 4.0m x 3.0m (Lab 4), door size: 2.0m x 2.1m</p> <p>Maximum EUT weight: 1.5 tonnes Maximum EUT size: 2.0m x 2.0m x 2.5m</p> <p>Power supplies: up to 100 V dc 230V 13A 50 Hz Single Phase 415V 63A 50 Hz Three Phase 120V 9A 60 Hz Single Phase</p>			
<p>Facilities: Unit 1, Grangemouth Technology Park, Earls Road, Grangemouth, FK3 8RU</p> <p>18 GHz ferrite/hybrid lined semi/anechoic chamber (alternative test site): 8.50 m x 5.0 m x 5.50 m (Lab 1), door size: 2.0 m x 2.50 m Screened room: 8.0m x 4.0m x 3.0m (Lab 2), door size: 2.0m x 2.5m Screened room: 8.0m x 4.0m x 3.0m (Lab 3), door size: 2.0m x 2.5m</p> <p>Maximum EUT weight: 1.5 tonnes Maximum EUT size: 2.0m x 2.0m x 2.5m</p> <p>Power supplies: up to 212 / 424V, (16A / 8A) DC (all labs) 230V 13A 50 Hz Single Phase 415V 63A 50 Hz Three Phase 120V 13A 60 Hz Single Phase 100V 13A 60Hz Single Phase 100V 13A 50Hz Single Phase 4 kVA, 15Hz to 1 kHz supply (all labs)</p>			



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<p>Facilities: 46 Beeches Industrial Estate, Yate, South Gloucestershire, BS37 5QT</p> <p>18 GHz ferrite/hybrid lined semi/anechoic chamber (alternative test site): 8.9m x 5.6m x 5.4m (Lab 1), door size: 1.75m x 2.5m 6 GHz ferrite/foam lined anechoic chamber: 7.4m x 4.8m x 4.0m (Lab 3), door size: 0.9m x 2.0m Screened room: 7.0m x 4.0m x 3.0m (Lab 2), door size: 2.0m x 2.5m Screened room: 3.7m x 3.7m x 2.4m (Lab 2), door size 0.92m x 2.0m</p> <p>Maximum EUT weight: 1.5 tonnes Maximum EUT size: 2.0m x 1.75m x 2.5m</p> <p>Power supplies Up to 100 V DC 230 V, 16 A, 50 Hz single phase (all labs) 415 V, 63 A, 50 Hz 3-phase (all labs) 5 kVA, 20Hz to 5 kHz supply (all labs)</p>			



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<p>SECTION 2:</p> <p>SAFETY TESTS²</p> <p>Household and similar electrical appliances – Safety - General requirements</p>		<p>EN 60335-1: 2012 + A1: 2019 + A14:2019 + A2: 2019 IEC 60335-1:2012 + A1: 2013 + A2: 2016 Excluding: 15.1.1: IP water ingress tests 15.2: Rinsing agent 19.11.4.7 Mains signals in accordance with IEC 61000-4-13 21.2: Scratch test on insulation 22.16: Cord reels 22.32: Ageing test on rubbers 22.46: Software evaluation 22.47: Mains water pressure 22.48: Water backsiphonage 23.3: Wire flexing test 25.14: Oscillating test 29.2: Tracking test 31: Resistance to rusting 32: Radiation tests 30.2: Glow wire test Annex B: Drop test – Clause 21.B.101 Annex E: Needle flame test Annex F: Capacitor testing – IEC 60384-14 Annex H: (Clause 17) Switch endurance Annex J: Coated printed circuit boards Annex N: Proof tracking test Annex R: Software evaluation Annex T: UV-C Radiation effect on non-metallic materials Annex F: Capacitor testing</p>	<p>C, G</p> <p>G</p> <p>G</p>



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SECTION 2: (cont'd) SAFETY TESTS² Appliances for heating liquids		EN 60335-2-15: 2016 Excluding: Clause 3.1.9.103: Heat resistant glass 22.7: Pressure tests 22.103: Stress test for appliance couplers	C
Battery chargers		EN 60335-2-29:2004 + A2:2010 IEC 60335-2-29:2010 + A2:2009 Excluding: 21.102: Vibration test	C, G
Room Heaters		EN60335-2-30:2009 + A11:2012 IEC 60335-2-30:2009 Excluding 15.2: Rinsing agent specified in Annex AA: of EN 60335-2-5 30.101: Needle flame test	C



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Testing performed by the Organisation at the locations specified

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<p>SECTION 2: (cont'd)</p> <p>SAFETY TESTS²</p> <p>Electrical heat pumps, air-conditioners and dehumidifiers</p>		<p>EN60335-2-40:2003 + A11:2004 + A12:2004+ A1: 2005+A2: 2009 + A13:2012 IEC 60335-2-40:2002 +A1:2005 +A2:2005</p> <p>Excluding: Clause 15.2: Continuous overflow Clause 21.1: Requirements of ISO 5149 Clause 22.104: Water pressure tests Clause 22.105: Measurement of air or vapour cushion Clause 22.108: Vacuum pressure tests Clause 22.112: Constructional requirements of Section 3 ISO 5149 Clause 22.116: Appliances using flammable refrigerants Clause 31: Salt mist test Annex EE: Pressure tests Annex FF: Leak simulation tests Annex GG: Charge limits, ventilation requirements and requirements for secondary circuits. Annex ZE: Specific additional requirements for appliances and machines intended for commercial use Annex ZAB: Emission of acoustical noise from appliances covered by Annex ZE</p>	<p>C, G</p>



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ISO/IEC 17025:2017

Schedule of Accreditation
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United Kingdom Accreditation Service
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Eurofins York Ltd

Issue No: 124 Issue date: 07 September 2021

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SECTION 2: (cont'd) SAFETY TESTS² Insect killers		EN 60335-2-59: 2003 + A1: 2006 +A2: 2009 Excluding: Clause 31: Salt mist test of IEC 60068-2-52 Clause 32: Measurement of UV irradiance	C
Commercial dispensing appliances and vending machines		EN 60335-2-75:2004 + A2:2008 IEC 60335-2-75:2002 +A1:2004 +A2:2008 Excluding: Clause 11.101: Testing of compressors not complying with IEC 60335-2-34 Clause 15.1.1: Splash test for appliances classified IPX3 or lower Clause 22.7: Pressure testing above 30 bar Clause 23.3: Flexing tests for internal wiring Clause 24.102: Testing of interlock switches Annex AA: Aging test for elastomeric parts Annex ZAA: Commercial electric espresso-coffee machines that can also be heated by gas Annex ZBB: Measurement of acoustical noise	C
Fans		EN 60335-2-80: 2003 A2:2009 IEC 60335-2-80: 2004 +A2:2008	C



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Schedule of Accreditation
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United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Eurofins York Ltd

Issue No: 124 Issue date: 07 September 2021

Testing performed by the Organisation at the locations specified

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<p>SECTION 2: (cont'd)</p> <p>SAFETY TESTS²</p> <p>IT Equipment</p>		<p>EN 60950-1:2006 +A11: 2008 + A1:2010 + A12:2011 + A12:2013 IEC 60950-1:2006 +A1: 2009 + A2 2013 Excluding: 2.10.6.6: Abrasion resistance 4.2.8: Cathode ray tubes 4.3.12: Flammable liquids 4.3.13.2: Ionizing radiation 4.3.13.3: Effect of ultraviolet (UV) radiation on materials 4.3.13.4: Human Exposure to ultraviolet (UV) Radiation 4.3.13.5: Lasers (including LEDs) Clause 7.4.2: Voltage surge test (limited to 6.6 kV) Annex A: Tests for resistance to fire Annex B4 and B6: Running overload tests</p> <p>EN 60950-1:2006 + A1 + A2 + A11+ A12 IEC 60950-1:2006 + A2 Excluding: (cont'd) Annex K: Thermal controls Annex U: Insulated winding wires Annex AA: Mandrel test Annex CC: Evaluation of integrated circuit (IC) current limiters</p>	<p>C, G</p> <p>C, G</p>



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United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Eurofins York Ltd

Issue No: 124 Issue date: 07 September 2021

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
<p>SECTION 2: (cont'd)</p> <p>SAFETY TESTS²</p> <p>Electrical equipment for measurement, control and laboratory use</p>		<p>EN 61010-1:2010 IEC 61010-1:2010 IEC 61010-1: 2010 +A1: 2016 EN 61010-1:2010 + A1:2019</p> <p>Excluding: 6.8.3.3: Voltage impulse tests > 6.6 kV 9.3.2: Vertical burn test as per IEC 60695-11-10 10.5.3b: Insulating material, resistance to heat: Vicat softening test 11.6: Specially protected equipment (IP rating) 11.7.2: Leakage and rupture at high pressure >2.45MPa (24.5 bar) 12.2.1: Ionizing radiation 12.3: Ultraviolet (UV radiation) 12.4: Microwave radiation 12.5: Sonic and ultrasonic pressure 12.6: Laser sources 13.2.3: Implosion of cathode ray tubes 14.3: Overtemperature protection devices 17: Risk assessment Annex H: Conformal coatings tests Annex K: Impulse voltage >6.6kV, AC test voltage >5.0kV, DC test voltage >5.0kV</p>	<p>C, G C, G C, G</p>
Laboratory equipment for the heating of materials		<p>EN 61010-2-010:2014 IEC 61010-2-010:2014 IEC 61010-2-010 :2019 Excluding: 11.2: Cleaning (steam sterilization)</p>	<p>C, G C, G</p>
In vitro diagnostic (IVD) medical equipment		<p>IEC 61010-2-101:2015 EN 61010-2-101:2017 IEC 61010-2-101: 2018</p>	<p>C, G C, G C, G</p>



1574
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Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Eurofins York Ltd

Issue No: 124 Issue date: 07 September 2021

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
<p>SECTION 2: (cont'd)</p> <p>SAFETY TESTS²</p> <p>Medical Electrical Equipment</p>		<p>EN 60601-1:2006 + A1 + A11:2011 + A1:2013 IEC 60601-1: 2005 + A1: 2012 Excluding: 8.5.5.1: Defibrillation protection 8.5.5.2: Energy reduction test 8.8.3: Electric strength test above 10kV r.m.s, 5kV d.c 8.8.4.2: Resistance to environmental stress 8.9.1.7: Material groups classification 9.5.2: Cathode ray tubes 9.6.2.1: Audible acoustic energy 9.6.2.2: Infrasound and ultrasound energy 9.6.3: Hand transmitted vibration 9.7.5: Pressure vessels 10: Protection against unwanted and excessive radiation hazards 11.2: Fire prevention (Oxygen rich environment) 11.3: Constructional requirements for fire enclosures (FV tests in IEC 60695-11-10) 11.6.5: Ingress of water or particulate matter 11.6.7: Sterilisation 12.3 Alarm Systems 12.4.5.2 Diagnostic X-ray equipment 15.4.2: Temperature and overload control devices 15.4.3.4: Lithium batteries 15.4.7.3: Entry of liquids Annex G: Protection against hazards of ignition of flammable anaesthetic mixtures Annex L: Insulated winding wires for use without interleaved insulation</p>	<p>C, G</p>



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2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Eurofins York Ltd

Issue No: 124 Issue date: 07 September 2021

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SECTION 2: (cont'd) SAFETY TESTS² Nerve and muscle stimulator		EN60601-2-10:2015 Exclusions: None	G
Multimedia equipment - Audio, video, information and Communication technology equipment		IEC 62368-1: 2014 EN 62368-1: 2014 +A11:2017 Exclusions: 5.4.1.10.2: Vicat test B50 ISO 5.4.3.3: CTI testing in accordance with 60112 5.4.4.6.5: Mandrel test 5.6.4.1: 1500A short circuit current 8.5.5: High pressure lamps 10 Radiation Annex C: UV radiation Annex G.2.2: Overload test Annex G.5.2.2: Heat run test Annex G.7: Mains supply cords to IEC 60227 Annex G.8: Varistors Annex G.9: Integrated circuit current limiters Annex G13.3: Coated boards Annex G13.6.2: Abrasion resistance test Annex G.14: Coatings on component terminals Annex G.15: Pressurised liquid filled components Annex J: Insulated winding wires for use without interleaved insulation Annex M.6.2: Leakage current Annex M.8.2: Spark test in accordance with IEC 60896-21: 2004 6.4 Annex P.4: Metallised coatings and adhesives securing parts	C, G



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Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Eurofins York Ltd

Issue No: 124 Issue date: 07 September 2021

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SECTION 2: (cont'd) SAFETY TESTS² Multimedia equipment - Audio, video, information and Communication technology Equipment (cont'd)		EN 62368-1: 2014 + A11:2017 Exclusions (cont'd): Annex R: Limited short-circuit test Annex S.3.2: Distillate fuel oil test Annex U: Mechanical strength of CRTs	C, G
		IEC 62368-1: 2018 EN IEC 62368-1: 2020 +A11: 2020 Exclusions: 5.4.3.3: CTI testing in accordance with 60112 5.4.4.6.5: Mandrel test 5.4.1.10.2: Vicat test B50 of ISO 306 5.6.4.1: 1500A short circuit current 8.5.5: High pressure lamps 10 Radiation Annex C: UV radiation Annex G.2.2: Overload test Annex G.5.2.2: Heat run test Annex G.7: Mains supply cords to IEC 60227 Annex G.8: Varistors Annex G.9: Integrated circuit current limiters Annex G13.3: Coated boards Annex G13.6.2: Abrasion resistance test Annex G.14: Coatings on component terminals Annex G.15: Pressurised liquid filled components Annex G.15.2.4: Vibration test Annex J: Insulated winding wires for use without interleaved insulation Annex M.7.3: Ventilation tests	C, G



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Schedule of Accreditation
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United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Eurofins York Ltd

Issue No: 124 Issue date: 07 September 2021

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
<p>SECTION 2: (cont'd)</p> <p>SAFETY TESTS²</p> <p>Multimedia equipment - Audio, video, information and Communication technology Equipment (cont'd)</p> <p>² Unless stated otherwise all safety standards include the IEC and BS EN versions where they are technically identical</p>		<p>Annex M.8.2: Spark test in accordance with IEC 60896-21: 2004 6.4</p> <p>IEC 62368-1: 2018 EN IEC 62368-1: 2020 +A11: 2020</p> <p>Exclusions (cont'd): Annex P.4: Metallised coatings and adhesives securing parts Annex R: Limited short-circuit test Annex S.3.2: Distillate fuel oil test Annex U: Mechanical strength of CRTs Annex Y.2: Resistance to UV radiation (continued over page) Annex Y.3: Resistance to corrosion Annex Y.4: Gaskets Annex Y.5.3: Water spray test Annex Y.5.5: Protection from Excessive dust</p>	<p>C, G</p>



1574
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Eurofins York Ltd

Issue No: 124 Issue date: 07 September 2021

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SECTION 3 RADIO TESTS Short Range Devices Wideband transmission Systems	3.1 Frequency Error 0.01 MHz to 40 GHz	ETSI EN 300 220-1 V3.1.1 Excluding Polite spectrum access	B, C C
	3.2 Transmitter Effective radiated Power	Listen before Talk and DSSS apparatus	C
	3.3 Tx Adjacent Channel Power	ETSI EN 300 220-2 V 3.1.1 Excluding Polite spectrum access	B, C
	3.4 Occupied Bandwidth	conformance requirement	
	3.5 Tx behaviour under low voltage conditions		
	3.6 Tx Transient	ETSI EN 300 330 V 2.1.1 Product Class 1 and 4 only Excluding	B, C
	3.7 Conducted Spurious Emissions (Transmitter and Receiver) 9 kHz to 40 GHz	4.3.5 Transmitter RF carrier current	
	3.8 Radiated Spurious Emissions (Transmitter and Receiver) 9 kHz to 40 GHz	ETSI EN 300 440 V 2.1.1 Excluding GBSAR systems ETSI EN 300 440-2 V1.4.1 ETSI EN 300 440-1 V1.6.1	B
	3.9 Receiver Sensitivity	ETSI EN 300 328 V2.1.1 ETSI EN 300 328 V2.2.2	B, C B, C
	3.10 Adjacent Channel Selectivity	Excluding: 4.3.1.6 Medium Utilization Factor	
	3.11 Receiver Blocking	4.3.1.7 Adaptivity (FHSS)	
	3.12 Receiver Spurious Response Rejection	4.3.2.5 Medium Utilization Factor 4.3.2.6 Adaptivity (non-FHSS)	
	3.13 Transmitter carrier power 10mW to 4W EIRP or equivalent	4.3.2.12 Geo-location capability	
	3.14 Permitted Range of operating frequencies 1 to 40 GHz		



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2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Eurofins York Ltd

Issue No: 124 **Issue date:** 07 September 2021

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
<p>SECTION 3 RADIO TESTS</p> <p>Short Range Devices</p> <p>Wideband transmission Systems</p>	<p>3.15 Adjacent channel selectivity, Conducted only 1 to 40GHz</p> <p>3.16 2.45GHz RFID systems, Power limits and frequency</p> <p>3.17 Occupied Channel Bandwidth, Conducted and Radiated, 2.4GHz</p>	<p>ETSI EN 301 893 V2.1.1</p> <p>Excluding:</p> <p>5.4.4 RF output power, TPC and Power Density</p> <p>5.4.8 Dynamic Frequency Selection (DFS)</p> <p>5.4.9 Adaptivity</p> <p>5.4.10 Receiver Blocking</p>	<p>B, C</p> <p>B</p>



1574
Accredited to
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United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Eurofins York Ltd

Issue No: 124 Issue date: 07 September 2021

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SECTION 4 EU/USA MRA FCC CAB Accredited Scope			
UNINTENTIONAL RADIATORS	Radiated Emissions 9 kHz to 40 GHz	ANSI C63.4-2014	B, C, G
FCC Part 15, subpart B	Conducted Emissions 9 kHz to 30 MHz		B, C, G
INDUSTRIAL, SCIENTIFIC AND MEDICAL EQUIPMENT	Radiated Emissions 9 kHz to 40 GHz	FCC MP-5 (February 1986),	B, C, G
Consumer ISM Equipment	Conducted Emissions 9 kHz to 30 MHz		
FCC Part 18			
INTENTIONAL RADIATORS	Radiated Emissions 9 kHz to 40 GHz	ANSI C63.10-2013	C
FCC Part 15, subpart C	Conducted Emissions 9 kHz to 30 MHz		
	Radio tests as per standard. Includes but not limited to: Peak transmit power Emission bandwidth / Occupied BW Modulation Power spectral density Band edge tests Permitted Frequency range In-band unwanted emissions Out-of-band emissions Spurious Emissions Reaction time Frequency and Time Stability		



1574
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ISO/IEC 17025:2017

Schedule of Accreditation
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United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Eurofins York Ltd

Issue No: 124 Issue date: 07 September 2021

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SECTION 5 Canadian MRA ISED Scope of Accreditation			
General Requirements for Compliance of Radio Apparatus	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-Gen Issue 5:2018 (Amendment 1: March 2019) ANSI C63.4:2014 ANSI C63.10:2013	C
Licence-Exempt Radio Apparatus: Category I Equipment	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-210 Issue 10: 2019	C
Digital Transmission Systems (DTS), Frequency Hopping Systems (FHS) and Licence-Exempt Local Area Network (LE-LAN) Devices	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-247 Issue 2:2017 excluding DFS testing	C
END			