Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

UKAS TESTING **1871** **Accredited to ISO/IEC 17025:2017**	**Eurofins Electrical & Electronic UK Limited** **Issue No:** 078 **Issue date:** 30 May 2024	
	Trafalgar House **Trafalgar Close** **Chandlers Ford** **Eastleigh** **SO53 4BW**	**Contact: Mr Andrew Coombes** **Tel: +44 (0)23 8027 1111** **Fax: +44 (0)23 8027 1144** **E-Mail: andycoombes@eurofins.com** **Website: www.eurofins.co.uk/hursley**

Testing performed by the Organisation at the locations specified below

Flexible Scope

The Flexible Scope applies to the laboratory's accreditation to ISO/IEC17025:2017 for Civil and Military EMC testing activities in accordance with the standards listed on the schedule for EMC Testing, carried out at site A.

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.

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Trafalgar Close Chandler's Ford Eastleigh Hampshire SO53 4BW	**Local contact** Mr Andrew Coombes Tel: +44 (0)23 8027 1111 Fax: +44 (0)23 8027 1144 Email: andycoombes@eurofins.com Website: www.eurofins.co.uk/hursley	EMC and Radio Testing	A

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Computers and Peripherals Domestic Appliances: Electrical Electrical/Electronic Products Electro-Mechanical Devices IT Equipment Measuring Equipment Medical/Dental Equipment Office Equipment: Electrical Radio and TV Equipment Security Equipment Telecommunications Equipment Luminaires	1 CIVIL EMC TESTS 1.1 Conducted Emissions 9 kHz to 30 MHz	EN 55011:2009 + A1:2010 EN 55011:2016 EN 55011:2016 + A1:2017 + A2: 2021 CISPR 11:2009 + A1:2010 CISPR 11:2015 + A1:2016 + A2:2020 EN 55014-1:2006 + A1:2009 + A2:2011 EN 55014-1:2017 EN 55014-1:2017 + A11:2020 CISPR 14-1:2005 + A1:2008 + A2:2011 CISPR 14-1:2016 CISPR 14-1:2020 EN IEC 55014-1:2021	A
	LISN Method and Annex B method in place of radiated emissions	EN 55015:2013 EN 55015:2013 + A1:2015 CISPR 15:2013 + A1:2015 CISPR 15:2018 EN IEC 55015:2019 + A11:2020 EN 55022:2010 CISPR 22:2008 FCC/CFR 47:Part 15 FCC/CFR 47:Part 18 ANSI C63.4:2014 + 4a:2017 ICES-001 Issue 5 ICES-003 Issue 7	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 2	1 CIVIL EMC TESTS		
	1.1 Conducted Emissions 9 kHz to 30 MHz	EN 55032:2012 EN 55032:2015 (excluding outdoor home satellite receivers) EN 55032:2015 + A11:2020 (excluding outdoor home satellite receivers) CISPR 32:2015 (excluding outdoor home satellite receivers)	A
	1.2 Radiated Emissions Electric Field 30 MHz to 40 GHz	EN 55011:2009 + A1:2010 EN 55011:2016 EN 55011:2016 + A1:2017 + A2:2021 (excluding APD measurements) CISPR 11:2009 + A1:2010 CISPR 11:2015 + A1:2016 + A2:2020 (excluding APD measurements)	A
	Magnetic Field 10 kHz to 30 MHz	EN 55014-1:2006 + A1:2009 + A2:2011 EN 55014-1:2017 EN 55014-1:2017 + A11:2020 CISPR 14-1:2016 CISPR 14-1:2020 EN IEC 55014-1:2021	
	Magnetic Field LLA 9 kHz to 30 MHz	EN 55015:2013 EN 55015:2013 + A1:2015 CISPR 15:2013 + A1:2015 EN 55015:2019 CISPR 15:2018 EN IEC 55015:2019 + A11:2020	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 2	1 CIVIL EMC TESTS 1.2 Radiated Emissions (cont'd) Electric Field 30 MHz to 40 GHz	EN 55022:2010 CISPR 22:1985 + 1993 + A1:1995 + A2:1996 CISPR 22:2008 FCC/CFR 47:Part 15 FCC/CFR 47:Part 18 ANSI C63.4:2014 + 4a:2017 ICES-001 Issue 5 ICES-003 Issue 7 EN 55032:2012 EN 55032:2015 (excluding outdoor home satellite receivers) EN 55032:2015 + A11:2020 (excluding outdoor home receivers) CISPR 32:2015 (excluding outdoor home satellite receivers)	A
	1.3 Discontinuous Emissions (Clicks) 10 kHz to 30 MHz	EN 55014-1:2006 + A1:2009 + A2:2011 EN 55014-1:2017 EN 55014-1:2017 + A11:2020 CISPR 14-1:2005 + A1:2008 + A2:2011 CISPR 14-1:2016 CISPR 14-1:2020 EN IEC 55014-1:2021	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 2	CIVIL EMC TESTS (cont'd) 1.4 Interference Power Measurements 30 MHz to 300 MHz	EN 55014-1:2006 + A1:2009 + A2:2011 EN 55014-1:2017 EN 55014-1:2017 + A11:2020 CISPR 14-1:2005 + A1:2008 + A2:2011 CISPR 14-1:2016 CISPR 14-1:2020 EN IEC 55014-1:2021	A
	1.5 Conducted RF Immunity 150 kHz to 230 MHz up to 10 Vrms	EN 61000-4-6:2014 IEC 61000-4-6:2013 EN IEC 61000-4-6:2023	A
	1.6 Radiated RF Immunity 26 MHz to 1 GHz @ 20V/m 1 GHz to 6 GHz @ 10V/m	EN 61000-4-3:2006 + A1:2008 + A2:2010 IEC 61000-4-3:2006 + A1:2007 + A2:2010 EN IEC 61000-4-3:2020	A
	1.7 Immunity to Fast Transients/ Bursts up to 4.5 kV	EN 61000-4-4:2012 IEC 61000-4-4:2012	A
	1.8 Immunity to Mains Surge up to 6 kV	EN 61000-4-5:2014 + A1:2017 IEC 61000-4-5:2014 + A1:2017	A
	1.9 Mains Harmonic Emissions 50 Hz to kHz ≤ A 16 single phase	EN 61000-3-2:2014 IEC 61000-3-2:2013 EN IEC 61000-3-2:2019 EN IEC 61000-3-2:2019 + A1:2021 + A2:2024 IEC 61000-3-2:2018 + A2:2024	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 2	CIVIL EMC TESTS (cont'd) 1.10 Mains Flicker Emissions ≤ A 16 single phase	EN 61000-3-3:2013 + A1:2019 EN 61000-3-3:2013 + A1:2019 + A2:2021 IEC 61000-3-3:2013 IEC 61000-3-3:2013 + A1:2017 IEC 61000-3-3:2013 + A1:2017 + A2:2021	A
	1.11 Electrostatic Discharge up to 30 kV	EN 61000-4-2:2009 IEC 61000-4-2:2008	A
	1.12 Voltage Dips, Interruptions and Variations	EN 61000-4-11:2004 EN 61000-4-11:2004 + A1:2017 IEC 61000-4-11:2004 + A1:2017 EN IEC 61000-4-11:2020	A
	1.13 Power-Frequency Magnetic Fields (Immunity) Field strength: up to 30 A/m	EN 61000-4-8:2010 IEC 61000-4-8:2009	A
	1.14 Pulse Magnetic Immunity Field strength: 1000 A/m	EN 61000-4-9:2016 IEC 61000-4-9:2016	A
	1.16 Interharmonic immunity	EN 61000-4-13:2003 + A2:2016 IEC 61000-4-13:2002 + A1:2009 + A2:2015	A
	1.17. Immunity to conducted, common mode disturbances 0 Hz to 150 kHz	EN 61000-4-16:2016	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 2	CIVIL EMC TESTS (cont'd) 1.18 Immunity to Close Proximity Radiated Fields 30 kHz, 134.2 kHz and 13.56 MHz	EN 61000-4-39:2017 (methods covering spot frequencies as required in EN 60601-1-2:2015 + A1:2021 IEC 60601-1-2:2014 + A1:2020	A
Household Products Luminaires	1.19 Electro-Magnetic field emissions relating to Human Exposure 10 Hz to 10 MHz	EN 62233:2008 Time Domain Evaluation Method EN 62493:2010	A
Electrical / electronic equipment mounted in ships where Compass is present	1.20 Compass Safe Distance	IEC 60945:2002 EN 60945:2002	A
Maritime Navigation and Radio Communication Equipment	1.21 EMC Tests	IEC 60945:2002 Ed.4 EN 60945:2002 Ed 4 DNVGL-CG-0339:2015 DNVGL-CG-0339:2019 IEC 60533:2015 IEC 60092-504:2016 IACS UR-E10 Rev.7	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 2	1.22 EMC Tests These generic and product specific standards are included but limited to those referenced standards that are explicitly listed in Sections 1.1 to 1.21 of this Schedule.	EN 61000-6-1:2007 IEC 61000-6-1:2016 EN IEC 61000-6-1:2019 EN 61000-6-2:2005 IEC 61000-6-2:2016 EN IEC 61000-6-2:2019 EN 61000-6-3:2007 + A1:2011 EN IEC 61000-6-3:2021 EN 61000-6-4:2007 + A1:2011 IEC 61000-6-4:2006 + A1:2010 EN IEC 61000-6-4:2019 IEC 61000-6-4:2018 EN IEC 61000-6-8:2020 EN 55024:2010 excluding Psophometric tests EN 55014-1:2017 CISPR 14-1:2005 + A1:2008 + A2:2011 CISPR 14-1:2016 CISPR 14-1:2020 EN IEC 55014-1:2021 EN 55014-2:2015 CISPR 14-2:2015 CISPR 14-2:2020 EN IEC 55014-2:2021 EN 60335-1:2012 + A11, A13, A1, A14, A2, A15:2021 (EMC only – Clause 19 tests) IEC 60335-1:2010 +A1:2014 + A2:2016 (EMC only – Clause 19 tests) IEC 60335-1:2020 (EMC only – Clause 19 tests)	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 2	CIVIL EMC TESTS (cont'd) 1.22 EMC Tests (cont'd)	EN 60601-1-2:2007 EN 60601-1-2:2015 EN 60601-1-2:2015 + A1:2021 IEC 60601-1-2:2014 IEC 60601-1-2:2014 + A1:2020 IEC TR 60601-4-2:2016 EN 61204-3:2000 EN IEC 61204-3-2018 EN 61326-1:2013 EN IEC 61326-1:2021 EN 61326-2-3:2006 IEC 61326-2-6:2013 EN 61326-2-6:2013 EN IEC 61326-2-6:2021 ETSI EN 301 489-1: V2.2.3 ETSI EN 301 489-3: V2.3.2 ETSI EN 301 489-17: V3.2.4 EN 50130-4:2011 + A1:2014 EN 50293:2012 EN 60730-1:2001 Sections 26 EN 60669-2-1:2004 Section 26 EN 60669-2-1:2004 + A1:2010 EN 60669-2-1:2004 + A12:2011 EN IEC 60669-2-1:2022 + A11:22 Section 26 IEC 60669-2-1:2021 Section 26 EN 61547:2009 IEC 61547:2009 EN IEC 61547:2023 IEC 61547:2020 EN 50270:2015 (excluding DC power port EN 61000-4-29 tests)	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 2	CIVIL EMC TESTS (cont'd) 1.22 EMC Tests (cont'd)	KS C 9832:2023 KS C 9835:2019 (excluding psophometric tests) KS C 9610-6-1:2019 KS C 9610-6-2:2019 KS C 9610-6-3:2023 KS C 9610-6-4:2017 KS C 9811:2019 KS C 9814-1:2022 KS C 9814-2:2022 KS C IEC 60601-1-2:2020 KN 9547:2020 SANS 61326-1:2007 SANS 61000-3-2:2009 (Ed:3.02) SANS 61000-3-3:2007 (Ed:2.00) SANS 211:2010 (Ed:4.1) CISPR 35:2016 EN 55035:2017 EN 55035:2017 + A11:2020 EN 50121-3-2:2016 (excluding clause 1.2) EN 50121-3-2:2016 + A1:2019 EN 50121-4:2016 + A1:2019	
As listed on Page 2	2 MILITARY AND AEROSPACE EMC TESTS 2.1 Conducted Emissions: Power, Control and Signal Leads: DC to 400 MHz	DEF STAN 59-41:Issue 5, DCE01 and DCE02 DEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DCE01 and DCE02 RTCA/DO-160D, E, F and G:Section 21	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 2	2 MILITARY AND AEROSPACE EMC TESTS (cont'd) 2.1 Conducted Emissions: Power, Control and Signal Leads: DC to 400 MHz	DEF STAN 59-411 Part 3 Iss 1 DCE01.B, DCE02.B DEF STAN 59-411 Part 3 Iss 2 DCE01.B, DCE02.B DEF STAN 59-411 Part 3 Iss 3 DCE01.B, DCE02.B MIL STD 461D, E, F, G CE 101 & CE 102 AECTP 500 Edition E NCE01 and NCE02, NCE05	A
	2.2 Radiated Emissions: Electric Field: 10 kHz to 18 GHz	DEF STAN 59-41:Issue 5, DRE01 DEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DRE01 RTCA/DO-160D, E. F and G:Section 21 DEF STAN 59-411 Part 3 Iss 1 DRE01.B DEF STAN 59-411 Part 3 Iss 2 DRE01.B DEF STAN 59-411 Part 3 Iss 3 DRE01.B MIL STD 461D, E, F, G RE 102 & RE103 AECTP 500 Edition E NRE02	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 2	2 MILITARY AND AEROSPACE EMC TESTS (cont'd) 2.3 Radiated Emissions: Magnetic Field: 20 Hz to 100 kHz	DEF STAN 59-41:Issue 5, DRE02 DEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DRE02 RTCA/DO-160D, E & F and G:Section 21 DEF STAN 59-411 Part 3 Iss 1 DRE02.B DEF STAN 59-411 Part 3 Iss 2 DRE02.B DEF STAN 59-411 Part 3 Iss 3 DRE01.B MIL STD 461D, E, F, G RE101 AECTP 500 Edition E NRE01	A
	2.4 Exported Transients Power Lines	DEF STAN 59-41:Issue 5 DCE03 DEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DCE03 DEF STAN 59-411 Part 3 Iss 1 DCE03 DEF STAN 59-411 Part 3 Iss 2 DCE03 DEF STAN 59-411 Part 3 Iss 3 DCE03 AECTP 500 Edition E NCE04	A A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 2	2 MILITARY AND AEROSPACE EMC TESTS (cont'd) 2.5 Conducted Susceptibility: Primary Power Lines, 20 Hz to 50 kHz	DEF STAN 59-41:Issue 5 DCS01 DEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DCS01 DEF STAN 59-411 Part 3 Iss 1 DCS01.B DEF STAN 59-411 Part 3 Iss 2 DCS01.B DEF STAN 59-411 Part 3 Iss 3 DCS01.B MIL STD 461D, E, F, G CS101 AECTP 500 Edition E NCS01	A
	2.6 Conducted Susceptibility: Power, Control and Signal Lines including Bulk Current Injection 10 kHz to 400 MHz	DEF STAN 59-41:Issue 5 DCS02 and DCS03 DEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DCS02 and DCS03 DEF STAN 59-411 Part 3 Iss 1 DCS02.B & DCS03.B DEF STAN 59-411 Part 3 Iss 2 DCS02.B & DCS03.B DEF STAN 59-411 Part 3 Iss 3 DCS02.B & DCS03.B MIL STD 461D, E & F CS106, MIL STD 461D, E, F, G CS109, CS114 & CS 115 AECTP 500 Edition E NCS02, NCS06, NCS07, NCS08, NCS13	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 2	2 MILITARY AND AEROSPACE EMC TESTS (cont'd) 2.7 Damped Sinusoidal Transients Cables and Power Leads 10 kHz to 100 MHz	MIL STD 461D, E, F, G CS 116 AECTP 500 Edition E NCS09	A
	2.8 Radiated Susceptibility: Magnetic (H) Field: 20 Hz to 100 kHz	DEF STAN 59-41:Issue 5 DRS01 DEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DRS01 DEF STAN 59-411 Part 3 Iss 1 DRS01.B DEF STAN 59-411 Part 3 Iss 2 DRS01.B DEF STAN 59-411 Part 3 Iss 3 DRS01.B MIL STD 461D, E, F, G RS101 AECTP 500 Edition E NRS01	A
	2.9 Radiated Susceptibility: Electric (E) Field: 150 kHz to 2 MHz Maximum Field Strength: 20 V/m 2 MHz to 18 GHz Maximum Field Strength: 50 V/m	DEF STAN 59-41:Issue 5 DRS02.3 DEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DRS02.3 DEF STAN 59-411 Part 3 Iss 1 DRS02.B DEF STAN 59-411 Part 3 Iss 2 DRS02.B DEF STAN 59-411 Part 3 Iss 3 DRS02.B	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 2	2 MILITARY AND AEROSPACE EMC TESTS (cont'd) 2.9 Radiated Susceptibility: Electric (E) Field: 150 kHz to 2 MHz Maximum Field Strength: 20 V/m 2 MHz to 18 GHz Maximum Field Strength: 50 V/m (cont'd)	MIL STD 461D, E, F, G RS103 AECTP 500 Edition E NRS02	A
	2.10 Electrostatic Discharge	DEF STAN 59-41:Issue 5, DCS10 DEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DCS10 DEF STAN 59-411 Part 3 Iss 1 DCS10.B DEF STAN 59-411 Part 3 Iss 2 DCS10.B DEF STAN 59-411 Part 3 Iss 3 DCS10.B MIL STD 461G, CS118 RTCA DO 160D, E, F, G Section 25 AECTP 500 Edition E NCS12	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 2	2 MILITARY AND AEROSPACE EMC TESTS (cont'd) 2.11 Magnetic Field (DC) Susceptibility 4000 A/m	DEF STAN 59-411:Part 3 Iss 1 DRS03 DEF STAN 59-411:Part 3 Iss 2 DRS03 DEF STAN 59-411:Part 3 Iss 3 DRS03 AECTP 500 Edition E NRS04	A
	2.12 Compass safe distance	DO 160E, F, G Section 15	A
Data transmission equipment operating in the 2,4 GHz ISM band	3 RADIO TESTING Transmitter unwanted emissions in the spurious domain 30 MHz to 12.75 GHz	ETSI EN 300 328 V2.2.2 Clause 5.4.9	A
Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz;	Transmitter unwanted emissions in spurious domain	ETSI EN 300 220-1 V3.1.1 Clause 5.9	A
Short Range Devices (SRD); Radio equipment to be used in the frequency range 1 GHz to 40 GHz	Transmitter unwanted emissions in the spurious domain up to 18 GHz	ETSI EN 300 440 V2.2.1 Clause 4.2.4	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
UNINTENTIONAL RADIATORS	SECTION 4 EU US MRA Accredited Scope FCC test requirements Conducted Emissions 9 kHz to 30 MHz Radiated Emissions 9 kHz to 40 GHz	 ANSI C63.4-2014 + 4a-2017 FCC CFR 47 Part 15 B	 A
INDUSTRIAL, SCIENTIFIC AND MEDICAL EQUIPMENT Consumer ISM Equipment	Conducted Emissions 9 kHz to 30 MHz Radiated Emissions 9 kHz to 40 GHz	FCC MP-5 (February 1986), FCC CFR 47 Part 18	A
INTENTIONAL RADIATORS BELOW 26.5 GHz	Conducted Emissions 9 kHz to 30 MHz Radiated Emissions 9 kHz to 40 GHz 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	ANSI C63.10-2013 FCC CFR 47 Part 15 C	A

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 2: February 2021) ANSI C63.4:2014 + 4a-2017 ANSI C63.10:2013	A
Licence-Exempt Radio Apparatus: Category I Equipment	Conducted and Radiated Tests 9 kHz to 40 GHz Conducted Emissions Radiated Emissions Radiated Power Occupied Bandwidth Frequency Stability Antenna Port Conducted Emissions Band Edge	RSS-210 Issue 10:2019	A
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	A
	Facilities for EMC: Commercial chambers 2 SAC enclosures each, 3m measurement distance 1 FAR enclosure, 3m measurement distance Military chambers 2 SAC enclosures,1m measurement distance		
END			