Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

0141

Accredited to ISO/IEC 17025:2017

TUV SUD Limited (Trading as TÜV SÜD)

Issue No: 225 **Issue date:** 27 March 2026

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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 Octagon House Concorde Way Segensworth North Fareham Hampshire PO15 5RL **Local contact** Mrs Sandra Kitson-Wilms Tel: +44 (0)1489 558100 Email: Sandra.Kitson-Wilms@tuvsud.com Website: www.tuvsud.com/uk	**Testing:** Environmental EMC Radio Electrical Safety	A
Address Snitterfield Road Bearley Stratford-upon-Avon Warwickshire CV37 0EX **Local contact** Mr John Laydon Tel: +44 (0)1789 731155 Fax: +44 (0)1789 731264 Email: john.laydon@tuvsud.com Website: www.tuvsud.com/uk	**Testing:** EMC Radio Electrical Safety	B
Address TÜV SÜD Ltd Unit 10, Concorde Park Concorde Way Fareham Hampshire PO15 5FG **Local contact** Mrs Sandra Kitson-Wilms Tel: +44 (0)1489 558100 Email: Sandra.Kitson-Wilms@tuvsud.com Website: www.tuvsud.com/uk	**Testing:** EMC Radio	G

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Any customer premises **Local contact** Mrs Sandra Kitson-Wilms Tel: +44 (0)1489 558100 Email: Sandra.Kitson-Wilms@tuvsud.com Website: www.tuvsud.com/uk	**Testing:** EMC Radio Electrical Safety	E

0141 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
	TUV SUD Limited (Trading as TÜV SÜD) **Issue No:** 225 **Issue date:** 27 March 2026
Testing performed by the Organisation at the locations specified	

DETAIL OF ACCREDITATION

TUV SUD Limited is accredited for the management of a flexible scope in the areas of Environmental, EMC, Radio, SAR, Electrical Safety and Marine Equipment testing.

The flexible scope may 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.

Full 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
General Non-explosive stores and equipment including: -	**1 ENVIRONMENTAL TESTS**		
Aerospace Structures, Materials and Equipment Agricultural Equipment Computers and Peripherals Dangerous Goods Domestic Appliances Electrical/Electronic Components, Connectors and Products Electro-Mechanical Devices Large Shipping Cases Loaded Containers Marine Equipment Medical Devices Message Signs Mining Equipmant Missiles, Missile Sub-Assemblies and Components Motor Vehicle Accessories and Components Office Equipment Packages and Packaging Material Pressure Vessels Radar Equipment Radio and Television Equipment Railway Equipment, Including Signalling Trackside and Rolling Stock Safety Appliances and Equipment Satellites and Sub-Assemblies Security Devices and Alarms	**1.1 Vibration Types** Sinusoidal (swept, stepped and dwell), Broad Band Random, Mixed Mode Vibration as follows, Fixed and Swept Sine Tones or Narrow Bands -on- Broadband Random Gun Fire (pulsed Mixed Mode). Sine-on-Random-on-Random Imported Time Histories (road load data) Up to 10 sine or narrow band tones can be superimposed on a random background either harmonically related or in unrelated groups. Common Analysis Results that accompany testing as follows Time Histories Amplitude Frequency Response Magnitude & Phase Coherence Vibration Control - Combination of up to 48 Control Monitor/ Measurement Channels	**Selection of Generic Vibration Test and Measurement Standards with levels that can be met on our test machines** EN 60068-2-6: 2008 IEC 60068-2-6:2007 EN 60068-2-64:2008 IEC 60068-2-64:2008 IEC 60068-2-59:1990 IEC 60068-2-80:2005 EN 50155:2017 EN 50155:2021 EN 50556:2018 Airbus ABD0007 Issue F, October 1988 Ch 3.9 EN 302 152-1 V 1.1.1:2003 Clause 6.3 EN 303 098 V2.2.1:2019 Clause 7.6 EN ISO 25197:2020+A11:2023 IACS UR E10 Rev.6: 2014 IACS UR E10 Rev.7: 2018 ISO 16750-3:2012 DNVGL-CG-0339: 2019 Clause 6.2 (excluding 6.2.4 Table 9) & Clause 6.3 Lloyds Register Type Approval System, Test Specification 1 - 2019 (sections 12 to 18 and 20) DNV 2.4:2006	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
General Non-explosive stores and equipment including: -	1 **ENVIRONMENTAL TESTS** (cont'd)		
Continued from Page 3	**1.1(a) Electromagnetic Vibration Test Machines with Slip Tables** and Optional Temperature Conditioning during Vibration, using a selection of chambers that are all capable of operating with slip tables		A
Shipping Containers and Systems Traffic Signals and Signs, Static and Portable Unit loads Unitised Loads Weapons and Sub-Assemblies Variable Message Signs Fixed Vertical Road Traffic Signs Retro-reflective signs Non retro-reflective signs Trans-illuminated signs Externally illuminated signs	**Electromagnetic Vibrator - Largest** Frequency Range: 2 Hz to 2 kHz Max Displacement: ± 25mm Max Acceleration - 70 g (load and frequency dependent) Max Payload: 5000 kg Slip Table 1 size: 1.5m x 1.5m Slip Table 2 size 0. 95m x 0.67m Peak Thrust: 147 kN (Sinusoidal) RMS Thrust: 151 kN (Random) Temperature Conditioning: + 100 °C; - 55°C Largest Chamber Size: 2.5 x 2.8 x 1.9m Smallest Chamber Size: 0.4 x 0.4 x 0.4m	**Selection of Specifications with tests that are achievable on our electromagnetic shakers** AS/NZS 4280.2:2017 EN 300 066:V1.3.1:2001 RTCM 11000.2:2002 Section A5 IEC/EN 60945:2002 inc. Corrigendum 1: 2008, Section 8.7 IEC 61097-2:2008 IEC 61097-12:1996 + Amd 1:2017 BS/IEC 61097-2:2021 RTCM 11010.2:2012 Test A6 BS 3G 100-2.3.1:1969 DEF STAN 00-35 (Part 3) Issue 4:2006 Test M1 MIL-STD 810 up to version H: Methods 514 and 528 MIL-STD 167-1A: 2005 Type I EN 300 019 Part 2:2003-09 DEF STAN 00-035 Part 3 Issue 5,(Vibration M1) UN38 Test T3 IEC 60068-2-53:2010 RTCA DO160: up to version G Section 8 RTCM 11901.1:2012 Section 8 EN 300 225 V1.4.1: 2004-12 sections 7.5 and 11.2.2 RTCM 11000.3:2012 Clause A.6 RTCM 11000.4 + A1:2016 Clause A.6 RTCM 11010.3:2018 Clause A.6 RTCM 11010.4:2022 NSS-PLB 11:2011	A A A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 3 & 4	**1 ENVIRONMENTAL TESTS** (cont'd)		
	Electromagnetic Vibrator – Smallest – cont'd	EUROCAE ED-14G 2015	A
	Frequency Range: 2 Hz to 3 kHz Max Displacement	DEF STAN 08-123 Issue 2:2012 GAM-E.G. 13B:April 1997 Method 42: Section 4.2.1.6 Procedure 1 MIL-PRF-28800F:1996 MIL-STD-740-2:1986	A
	Max Displacement: ± 25mm Max Acceleration 110g (load and frequency dependant) Max Payload – 600kg	MIL-STD 202G:Methods 201, 204 and 214 EN 54-4:1998 EN 54-16:2008	
	Slip Table size 0.75m x 0.75m	EN 61373: 2010 IEC 61373:2010	A
	Peak Thrust: 35 kN (Sinusoidal & Random) Temperature Conditioning Max Temperature: + 100°C Min Temperature: - 55°C Largest Chamber Size: 1.5m x 1.5m x 0.9m Smallest Chamber Size 0.4m x 0.4m x 0.4m	BRB/LU RIA 20:1995, Clause 9.0 EN 300 019 Part 1 – 7 inclusive HD 638 S1:2001 +A1: 2007 TR 2130C:2002, Clause 3.8, 5.2 AECTP 400 Methods 401, 405 & 420 IEC 62287-1:2017 Clause 9.2.1 EN 12830:2018 Clause 6.6.6	
	1.1(b) Single Axis Hydraulic Test Machine with optional temperature preconditioning	**Selection of Specifications with tests that are achievable on our electro-hydraulic shaker**	A
	Frequency Range: 2 Hz to 200 Hz Max Displacement: ± 50mm Peak Thrust: 27 kN (Sinusoidal) RMS Thrust: 21 kN (Random) Max Acceleration: 7 g vertical axis only (load and frequency dependent) Max load: 1360 kg Table Size: 1.2 x 2.1 m Temperature Preconditioning: + 100 °C, - 55°C (unit size 1.m x 2.0m)	ISO 10055:1996 ASTM D999-08 :2015 ASTM D4169-16 ASTM D4728-06 ASTM D4728-17 ASTM D3580-95 ISTA Series 1, 2 & 3 AS/NZS 4280.2:2017	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 3 & 4	**1 ENVIRONMENTAL TESTS** (cont'd)		
	1.2 Shock and Bump	**Selection of Specifications with tests for Gravity Shock Machines**	A
	1.2(a) Using Gravity Shock Machine with optional temperature pre-conditioning	EN ISO 25197:2020+A11:2023 RTCM 11010.3:2018 Clause A.7	
	Max Duration: 60 msec (load dependent) Max Footprint: 1.2 m x 2.1m Classical Shock Pulse Shapes: Half Sine, Trapezoidal and Sawtooth Temperature Preconditioning: + 100 °C, - -55 °C for Sample Size 1.2 x 2.1m	RTCA DO 160:up to version G Section 7 ASTM D4169-09 ASTM D4169-16 ASTM D5487-98 BRU/LU RIA 20:1995 Def Stan 00-35 Part 3, Issue 4:2006 Test M3 EN 60068-2-27:2009 IEC 60068-2-27:2008 MIL-STD 202G: Method 213 IEC 62287-1:2017 Clause 9.2.2 E1A 364 Rev E: 2008 MIL-C-38999:4.7.23.1 version J MIL-STD 810 up to version H Method 516 Procedures I, II, III, and V EN 12830:2018 Clause 6.6.6	A
	1.2(b) Vibrator Induced		
	Shock & Bump with Optional Temperature Conditioning during Shock & Bump, using a selection of chambers that are all capable of operating with slip tables	**Selection of Specifications with tests for Vibrator induced Shock & Bump**	A
	All classical shock pulse shapes plus synthesised shock (SRS) and bump pulse shapes, simulating measured Conditions Max Thrust: 151 kN Max Displacement: ± 25 mm Max Velocity: 1.7 m/sec	HD 638 S1:2001 +A1:2007 EN 300 066:V1.3.1:2001 ISO 10055:1996 RTCA DO 160:up to version G Section 7 UN38 T4 TR 2130C:2002, Clause 4.5 MIL-STD 810 up to version G Method 519 Procedures I ,II and III EN 300 019 Part 2:2003 EN 60068-2-27:2009	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 3 & 4	**1 ENVIRONMENTAL TESTS** (cont'd)	EN 302 152-1 V 1.1.1: 2003 Clause 6.4	
	1.2(b) Vibrator Induced Shock & Bump (cont'd)		A
	Temperature Conditioning: + 100 °C; - 55°C Largest Chamber Size: 2.5 x 2.8 x 1.9m Smallest Chamber Size; 0.4 x 0.4 x 0.4m 4000 kg severity: 5 g, 30 ms 350 kg severity: 40 g, 11 ms half sine Max Limit Horizontal, Load on Slip Table 3500 kg severity: 5 g, 30 ms half sine 100 kg severity: 40 g, 11 ms half sine	DEF STAN 00-35 Part 3 Issue 4:2006 Test M3, M6 and M12 DEF STAN 00-035 Part 3, Issue 5:2017 Test M3 MIL-STD 810 up to version H Method 516 Procedures I, II, III, and V TR 2130C:2002, Clause 4.15 RTCM 11000.2:2002 Test A6 EN 61373:2010, IEC 61373:2010 RTCM 11010.2:2012 Test A7 RTCM 11000.3:2012 Clause A.7 RTCM 11000.4 + A1:2016 Clause A.7 RTCM 11010.4:2022 AECTP 400 Methods 403, 417, and 419 EN 50155:2017 EN 50155:2021 EUROCAE ED-14G 2015 BS/IEC 61097-2:2021	A
	1.2(c) Shock/Impact with Inclined Plane Max Load: 1360 kg Max Size of Impact Face: 1.8 m x 1.5 m (h) Max Velocity: 10 km/h Half Sine Pulse: 30g 18ms at 1000kg load	**Specifications for the Inclined Plane** AECTP 400 Method 416 ASTM D880-92:2015 ASTM D4169-09 ASTM D4169-16 ISTA Series 1, 2 and 3 DEF STAN 00-35 (Part 3) Issue 4:2006 Test M3 and M5 (10º incline) DEF STAN 00-035 Part 3, Issue 5:2017, Test M3 & M5 Excluding Paragraph 9.3. Test FX3 for munitions EN 60068-2-27:2009 IEC 60068-2-27:2008 DEF STAN 08-123 Issue 2:2012	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 3 & 4	**1 ENVIRONMENTAL TESTS** (cont'd)		
	1.3 Drop, Topple and Stability: with Optional Temperature Preconditioning	**Specifications for Drop & Topple**	A
	Lifting limitations Crane 5000kg Forklift 2000kg Safe Working Size – 2m x2m x2m Temperature Preconditioning +100ºC - -55ºC	IEC 60068-2-31:2008 EN 60068-2-31:2008 HD 638 S1:2001 +A1:2007 DEF STAN 00-35 (Part 3) Issue 4:2006 Tests M4 and M5 DEF STAN 00-035 Part 3, Issue 5:2017, Test M4 & M5 Excluding paragraph 9.3. test FX3 for Munitions MIL-STD 810 up to version G Method 516 Procedure IV MIL-STD 810H, Method 516,Procedure IV and VI TR 2130C:2002, Clauses 4.9, and 4.11 RTCM 11000.2:2002 Section A8.1 RTCM 11010.2:2012 Test A9 RTCM 11010.4:2022 IEC/EN 60945: 2002 inc. Corrigendum 1: 2008, clause 8.6 (ex water) BS/IEC 61097-2:2021 ASTM D4169-09 ASTM D4169-16 ASTM D5276-98:2017 ISTA Series 1, 2 and 3 AECTP 400 Method 414 Proc II, and III RTCM 11901.1:2012 Section 8 EN 300 225 V1.4.1: 2004-12 section 7.4 EN 300 720-1 V1.3.2 clause 7.3 AS/NZS 4280.2:2017 NSS-PLB 11:2011	A
	Stability	**Specifications for Stability**	A
	Max Load: 1360 kg Max Footprint: 1.5 m (w) x 1.5 m (d) x 2.3 m (h)	ASTM D6179-07:2014 EN 60950-1:2006+A1:2010 Section 4.1 IEC 61097-12:1996 + Amd 1:2017	
	Max Tilt Angle: 90 degrees	IACS UR E10 Rev.6: 2014 IACS UR E10 Rev.7: 2018 EN 302 152-1 V 1.1.1: 2003 Clause 6.6 EN 303 098 V2.2.1:2019 Clause 7.4, excluding 20m drop DNVGL-CG-0339: 2019 Clause 11 DNV 2.4:2006	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 3 & 4	**1 ENVIRONMENTAL TESTS** (cont'd) **1.4 Free Fall** with Optional Temperature Preconditioning Max Mass: 1000 kg Max Size: 2 x 2 x 2 m Max Height: 4 m Pre-conditioning Max temperature +100°C Min temperature -55°C	**Specifications for Free Fall** AS/NZS 4280.2:2017 IEC 60068-2-31:2008 AECTP 400 Method 414 Proc I MIL-STD 810 up to version H Method 516 Procedure IV DEF STAN 00-35 (Part 3) Issue 4:2006 Tests M4 and M5 DEF STAN 00-035 Part 3, Issue 5:2017, Test M4 & M5 Excluding paragraph 9.3. test FX3 for Munitions RTCM 11000.2 v2.1:2001 RTCM 11010.2:2012 Test A9 RTCM 11010.3:2018 Clause A.9 RTCM 11010.4:2022 ASTM D4169-09 ASTM D4169-16 ASTM D5276-98:2017 ISTA Series 1, 2 and 3 EN 300 019 Part 2 (2003-09) IEC/EN 60945: 2002 inc. Corrigendum 1: 2008,.clause 8.6 (ex water) TR 2130C:2002, Clauses 4.9, and 4.11	A A
	1.5 Bounce with Optional Temperature Conditioning during testing Max Mass: 113 kg Max Size: 1.76m x 0.6m x 1m high Max Temperature: + 100°C° Min Temperature: -55°C Max Chamber Size 0.6m x 0.7m x 1m	**Specifications for Bounce** ASTM D999-08:2015 DEF STAN 00-35 Part 3 Issue 4:2006, Test M11 DEF STAN 00-035 Part 3, Issue 5:2017 test M11 IEC 60068-2-55:1987 MIL-STD 810 up to version H Change Note 1 Method 514 Procedure II AECTP 400 Method 406	A
	1.6 Lifting (Packages and Containers) Max Height (Crane): 12 m Max Mass (Crane): 5000 kg (Fork Lift Truck): 2250 kg	**Specifications for Lifting** DEF STAN 00-35 (Part 3) Issue 4:2006, Test M15 AECTP 400 Method 409	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 3 & 4	**1 ENVIRONMENTAL TESTS** (cont'd) **1.7 Static Load** (Stacking) and Compression Compression Machine with Automatic Load & Displacement Control: Max Load: 13,600 kg Max Compression: 150 mm Floating or Fixed Platten Max Height of Test Item: 1.9 m Max Footprint: 1.5 m x 1.5 m Compression with Weights: 4000 kg weight combination	**Specifications for Stacking** DEF STAN 00-35 (Part 3) Issue 4:2006, Test M16 ASTM D4169-09 ASTM D4169-16 ASTM D642-00 ASTM D642-15 ISTA Series 1, 2 and 3 AECTP 400 Method 410	A
	1.8 Bending Max Load: 4000 kg	**Specifications for Bending** DEF STAN 00-35 (Part 3) Issue 4:2006, Test M17 AECTP 400 Method 411 EN 12899-1:2007 Clause 5.4.4	A
	1.9 Racking Max Mass: 4000 kg	**Specifications for Racking** DEF STAN 00-35 (Part 3) Issue 4:2006, Test M18 AECTP 400 Method 412	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 3 & 4	**1 ENVIRONMENTAL TESTS** (cont'd)		
	1.11 Low Temperature	**Selection of Specifications with tests that are achievable in our climatic chambers**	A
	Min Temperature: - 65°C Largest Chamber Size: 4.9 m x 6.0 x 4.0m Smallest Chamber Size 1.5m x 1.5m x 1.5m	IEC 62287-1:2017 Table 21 EN 60068-2-1:2007 IEC 60068-2-1:2007 IEC 61097-12:1996 + Amd 1:2017 BS/IEC 61097-2:2021 BS 3G 100-2.3.2:1970 AECTP 300 Method 303 EN 50556:2018 DEF STAN 08-123 Issue 2:2012 DEF STAN 00-035 Part 3 Issue 5, (Low Temperature CL5) DEF STAN 00-35 (Part 3) Issue 4:2006, Test CL4, CL5 MIL-STD 810 up to version H: Method 502, Procedures I, II and III RTCA DO160: up to version G: Section 4 TR 2130C:2002, Clause 3.3 IEC/EN 60945:2002 inc. Corrigendum 1: 2008,Section 8.4 EN 50125-3:2003 Section 4.3 RTCM 11010.2:2012 Section A5 EN 50155:2007 Para 4.1.2 EN 50155:2017 EN 50155:2021 EN 300 019 Part 2: 2003-09 EN 300 066:V1.3.1:2001 HD 638 S1:2001 + A1:2007 RTCM 11901.1:2012 Section 8 EN 300 225 V1.4.1: 2004-12 sections 7.6.4 and 11.2.3.4 EN 300 720-1 V1.3.2 clause 5.5 EN 302 152-1 V 1.1.1:2003 Clause 6.2.3 EN 303 098 V2.2.1:2019 Clause 7.5.4 EN ISO 25197:2020+A11:2023 EUROCAE ED-14G 2015 IACS UR E10 Rev.6: 2014 IACS UR E10 Rev.7: 2018 ISO 16750-4:2010 RTCM 11010.3:2018 Clause A.5 and A.13 RTCM 11010.4:2022 Lloyds Register Type Approval System, Test Specification 1 - 2019 (sections 12 to 18 and 20) DNV 2.4:2006 NSS-PLB 11:2011	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 3 & 4	**1 ENVIRONMENTAL TESTS** (cont'd)		
	1.12 High Temperature Max Temperature: + 200□C Max Chamber Size: 450 x 480 x 650 mm Max Temperature: + 150°C Max Chamber Size: 1.48 x 1.48 x 1.48m Max Temperature: + 120°C Max Chamber Size: 2.5 x 2.3 x 2.7m Max Temperature: + 100°C Max Chamber Size: 5.0 x 6.0 x 4.0m	**Selection of Specifications with tests that are achievable in our climatic chambers** AS/NZS 4280.2:2017 EN 50556:2018 IEC 62287-1:2017 Table 21 DEF STAN 00-035 Part 3 Issue 5, (High Temperature CL2) IEC 60068-2-2:2007 EN 60068-2-2:2007 IEC 61097-12:1996 + Amd 1:2017 BS/IEC 61097-2:2021 BS 3G 100-2.3.2:1970 DEF STAN 00-35 (Part 3) Issue 4:2006, Test CL1 MIL_STD 810 up to version H Method 501, Procedures I, II and III AECTP 300 Method 302 RTCA DO-160 up to version G Section 4 TR 2130C:2002, clause 3.2 RTCM 11901.1:2012 Section 8 HD 638 S1:2001 +A1:2007 RTCM 11010.2:2012 Section A3 RTCM 11000.2:2002 Section A3 RTCM 11010.3:2018 Clause A.3 and A.13 RTCM 11010.4:2022 EN 300 066:V1.3.1:2001 IEC/EN 60945:2002 inc. Corrigendum 1:2008, Clause8.2 EN 50155:2007 Para 4.1.2 EN 50155:2017 EN 50155:2021 EN 300 019 Part 2:2003 EN 300 225 V1.4.1: 2004-12 sections 5.3, 5.4, 5.5, 7.6.2 and 11.2.3.2 EN 300 720-1 V1.3.2 clauses 7.4.2 and 5.5 EN 302 152-1 V 1.1.1:2003 Clause 6.2.2 EN 303 098 V2.2.1:2019 Clause 7.5.2 NSS-PLB 11:2011 EUROCAE ED-14G 2015 IACS UR E10 Rev.6: 2014 IACS UR E10 Rev.7: 2018 DNV 2.4:2006 DNVGL-CG-0339: 2019 Clause 7 Lloyds Register Type Approval System, Test Specification 1 - 2019 (sections 12 to 18 and 20) EN ISO 25197:2020+A11:2023 ISO 16750-4:2010	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 3 & 4	**1 ENVIRONMENTAL TESTS** (cont'd)		
	1.13 Change of Temperature (Temperature Shock and Temperature Variation) **Temperature Shock** – two chamber method	**Specifications for Temperature Shock**	A
	Small Products Max Temperature: 200°C	DEF STAN 00-35 (Part 3) Issue 4 :2006, Test CL 14 Procedure A EN 12830:2018 Clauses 6.6.3 & 6.6.4, Excluding Classes 0.2 & 0.5 EN 60068-2-14:2009 IEC 60068-2-14:2009	
	Min Temperature: - 65°C Max Chamber Size: 450 x 480 x 650 mm	RTCM 11010.2:2012 Section A10 MIL STD 202G:Method 107 MIL STD 810 up to version H: Method 503 EN 300 066:V1.3.1:2001 EN 300 225 V1.4.1: 2004-12 section 7.9 EN 302 152-1 V 1.1.1:2003 Clause 6.7 EN 303 098 V2.2.1:2019 Clause 7.8 IEC/EN 60945: 2002 inc. Corrigendum 1: 2008, Clause 8.5 IEC 61097-12:1996 + Amd 1:2017 TR 2130C:2002, Clause 3.4	
	Large Products Max Temperature:+71ºC Min Temperature: -46ºC Max Product Size 1.5m x 1.5m x 1.5m with max weight 1000kg	HD 638 S1:2001 + A1: 2007 AECTP 300 Method 304 RTCM 11000.2:2002 Section A11 RTCM 11901.1:2012 Section 8 RTCM 11000.3:2012 Clause A.8 & A8.1 RTCM 11010.3:2018 Clause A.10 RTCM 11000.4 + A1:2016 Clause A.8 & A8.1 RTCM 11010.4:2022	
	Temperature Variation	**Specifications for Temperature Variation**	
	Chamber Size 1.48m x 1.48m x 1.48m Temperature Extremes: +100ºC / -60ºC @ 10ºC/min average	RTCA DO160 up to version G: Section 5 DEF STAN 00-35 (Part 3) Issue 4 :2006, Test CL 14 Procedure B EUROCAE ED-14G 2015 DNVGL-CG-0339: 2019 Clause 9 BS/IEC 61097-2:2021	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 3 & 4	**1 ENVIRONMENTAL TESTS** (cont'd)		
	1.14 Damp Heat	**Selection of Specifications with tests that are achievable in our humidity chambers**	A
		AS/NZS 4280.2:2017	A
		DEF STAN 00-035 Part 3 Issue 5, (Humidity CL6 and CL2)	
		EN 50155:2017	A
		EN 50155:2021	
		EN 50556:2018	
		EN 60068-2-78:2013	
		IEC 62287-1:2017 Table 21	
	Humidity Range: 15% to 95% RH Temperature: +10°C to +70°C	EN 60068-2-30:2005	
		IEC 60068-2-78:2001	
		IEC 60068-2-30:2005	
		IEC 61097-12:1996 + Amd 1:2017	
		BS/IEC 61097-2:2021	
	Max Chamber Size: 5.0 x 6.0 x 4.0 m	BS 3G 100-2.3.7:1972	
		EN ISO 25197:2020+A11:2023	
		ISO 16750-4:2010, excluding clause 5.6.2.3, Test Z/AD	
	Additional levels: 25°C, 97% RH; 85°C, 85% RH Humidity Range 10% to 97% RH Temperature: +5°C to +70°C	EN 300 019 Part 2:2003	
		RTCA DO 160 up to version G: Section 10.3.1 - condensation	
		Def Stan 00-35 Part 3 Issue 4:2006 Tests CL6 and CL17 (induced temperatures only)	
		TR 2130C:2002, Clause 3.5	
		IEC 60945:2002 inc. Corrigendum 1:2008, Clause8.3	
		MIL-STD 810 up to version H: Method 507	
		RTCM 11901.1:2012 Section 8	
	Walk in Chamber Additional levels: 25°C, 97% RH; 85°C, 85% RH Humidity Range 15% to 97% RH Temperature: +5°C to +85°C	MIL-STD 202G:Methods 103 and 106	
		RTCA DO 160 up to version G: Section 6	
		EN 300 066:V1.3.1:2001	
		HD 638 S1:2001 + A1:2007	
		AECTP 300 Method 306	
		RTCM 11010.2:2012 SectionA4	
	Small chamber Size: 1.5m x 1.5m x 1.5m Note: Traceable humidity tests to dew points of 81°C	RTCM 11000.2:2002 SectionA4	
		EN 300 225 V1.4.1: 2004-12 sections 7.6.3 and 11.2.3.3	
		EN 300 720-1 V1.3.2 Clause 7.4.3	
		EN 303 098 V2.2.1:2019 Clause 7.5.3	
		NSS-PLB 11:2011	A
		DEF STAN 08-123 Issue 2:2012	
		EUROCAE ED-14G 2015	
		IACS UR E10 Rev.6: 2014	
		IACS UR E10 Rev.7: 2018	
		DNV 2.4:2006	
		DNVGL-CG-0339: 2019 Clause 8.2 & 8.3	
		Lloyds Register Type Approval System, Test Specification 1 – 2019 (sections 12 to 18 and 20)	
		RTCM 11010.3:2018 Clause A.4	
		RTCM 11000.3:2012 Clause A.10 & A.10.1	
		RTCM 11000.4 + A1:2016 Clause A.10	
		RTCM 11010.4:2022	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 3 & 4	**1 ENVIRONMENTAL TESTS** (cont'd) **1.15 Low Pressure/Temperature/ Humidity Combined** Max Temperature: + 90°C Min Temperature: - 65 °C Min Pressure: 4.0kN/m² Steam Injection above 40 kN/m² Max Size: 900mm diameter x 840mm	**Selection of Specifications with tests that are achievable in our altitude chambers** IEC 60068-2-38:2009 IEC 60068-2-39:1999 IEC 60068-2-39:2015 IEC 60068-2-40:1976 including Amendment 1 IEC 60068-2-41:1976 including Amendment 1 IEC 60068-2-61:1991 EN 60068-2-38:1999 EN 60068-2-39:1999 EN 60068-2-39:2016 EN 60068-2-40:2000 EN 60068-2-41:2000 EN 60068-2-61:1994 AECTP 300 Method 317 NSS-PLB 11:2011 RTCA DO 160 up to version G Section 4 MIL-STD 810 up to version H: Method 500 Proc I, II and III AECTP 300 Method 312 Proc II andIII Def Stan 00-35 Part 3 Issue 4:2006 DEF STAN 00-035 Part 3 Issue 5, (Pressure Temperature CL11) Tests CL9 (Rapid), CL11 CL12, CL13 & CL20 BS 3G 100-2.3.2:1970 BS 3G 100-2.3.4:1972 EUROCAE ED-14G 2015	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 3 & 4	**1 ENVIRONMENTAL TESTS** (cont'd)		
	1.16 High Pressure High Pressure Air only: Temperature: Ambient Max Pressure: 549 kN/m^2 Max Chamber Size: 600 mm diameter x 750 mm High Pressure Air over Water: Temperature: Ambient Max Pressure: 680 kN/m^2 Max Chamber Size: 600 mm diameter x 750 mm Maximum water depth in the tank - 650mm See also 1.18	**Selection of Specifications with tests that are achievable in our over-pressure chamber** DEF STAN 00-35 (Part 3) Issue 4:2006, Test CL 15 EN 300 066:V1.3.1:2001 IEC/EN 60945:2002 inc. Corrigendum 1: 2008, Clause 8.9 RTCA DO-160 up to version G: Section 4.6.3 DEF STAN 08-123 Issue 2:2012	A
	1.17 Low Air Pressure only (see also 1.15) Min Pressure: 4.0 kN/m^2 Max Size: 900 x 800mm	**Selection of Specifications with tests that are achievable in our altitude chambers** IEC 60068-2-13:1983 EN 60068-2-13:1999 BS 3G 100-2.3.2:1970 DEF STAN 00-35 (Part 3) Issue 4:2006, Tests CL 21 AECTP 300 Method 312Proc I MIL-STD 202G:Method 105 EN 300 019 Part 2:2003 RTCA DO-160 up to version G: Section 4.6.1 RTCM 11010.3:2018 Clause A.20.9	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 3 & 4	**1 ENVIRONMENTAL TESTS** (cont'd)		
	1.18 Tests for Protection against effects of Water	**Selection of Specifications with tests that are achievable in our water test facilities**	A
	Immersion Tests Immersion Tank Sizes: 1 x 1 x 2.2 m (h) 1.45 m x 0.85 m diameter 1.75 m x 1.48 m diameter	**Immersion Standards** AECTP 300 Method 307 MIL-STD 202G:Method 104, DEF STAN 00-35 (Part 3) Issue 4 :2006 Test CL29	
	High Pressure Air over Water: Temperature: Ambient Max Pressure: 680 kN/m^2 Max Chamber Size: 600 mm diameter x 750 mm Maximum water depth in the tank 650mm Maximum equivalent sea water depth – 55m	IEC/EN 60945:2002 inc. Corrigendum 1: 2008, Clauses 8.8, 8.9 and 8.11 RTCM 11010.2:2012 Section A11 RTCM 11000.2:2002 Section A9 RTCM 11010.3:2018 Clause A.11 RTCM 11010.4:2022 MIL-STD 810 up to version H: Method 512 Procedure I EN 50556:2018 IEC 60068-2-17:1994 Test Qf EN 60068-2-14:2009 IEC 60068-2-14:2009 IEC 61097-12:1996 + Amd 1:2017 BS/IEC 61097-2:2021 AS/NZS 4280.2:2017 NSS-PLB 11:2011 EN 300 066:v1.3.1:2001 section 6.8 EN 300 225 V1.4.1: 2004-12 section 7.8 RTCM 11901.1:2012 Section 8 EN12245:2009 Section 5.2.7 Test 7	A A
	Drip Tests: 0.8 m x 0.8m test area 25mm nozzle matrix 350l/m^2/hr nominal drip rate 200mm nozzle matrix - 280l/m^2/hr nominal drip rate	**Drip Test Standards** BS 3G 100-2.3.11:1973 Test B DEF STAN 00-35 (Part 3) Issue 4:2006 Test CL28 MIL-STD 810 up to version H: Method 506 Procedure III RTCA DO160:up to version G: Section 10.3.2 RTCA DO-160G: Section 10.3.3	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 3 & 4	**1 ENVIRONMENTAL TESTS** (cont'd)		
	1.18 Tests for Protection against effects of Water (cont'd) **Rain Test**s: 3m x 3m x 3m test area 200 mm/hr deposition rate	**Selection of Specifications with tests that are achievable in our water test facilities** **Rain Test Standards** DEF STAN 00-35 (Part 3) Issue 4:2006 Test CL27 DEF STAN 08-123 Issue 2:2012 IEC/EN 60945:2002 inc. Corrigendum 1: 2008, Section 8.8 EN 300 019 Part 2:2003-09 MIL-STD 810 up to version H: Method 506 Procedure I (not blown) and Method 512 AECTP 300 Method 310	A
	High Pressure Water Jet	RTCM 11901.1:2012 Section 8 BS 3G 100-2.3.11:1973 Test A RTCA DO160: up to version G Section 10.3.4 UL 50E, third edition:2020. Section 8.4.1, 170l/min hose test only	
	Ingress Protection (IP) Tests including drip, water spray and immersion Note for Drip & Immersion tests, see above for facility sizes IP X1 – drip rig and 1rev/min turntable (max weight 30kg) IPX2 – drip rig IPX3 – spray with counterbalance IPX3 – oscillating tube diameters1200mm, 800mm & 400mm IPX4 – spray without counterbalance IPX5 – 6.5mm diameter nozzle IPX6 – 12.5mm diameter nozzle IPX7 & 8 – Immersion Tanks (see above)	**IP Standards** EN 60529:1992, IPX1 to IPX8 inclusive IEC 60529:1989 + A1:1999 IPX1 to IPX8 inclusive EN 60529: 1992 + A2:2013, excluding IPX9 IEC 60529:1989 + A2:2013 excluding IPX9 EN 60068-2-18:2001 Test Ra, Rb and Rc HD 638 S1:2001 + A1:2007 EN 60068-2-18:2017 excluding Ra1 & Rb3 EN 302 152-1 V 1.1.1: 2003 Clause 6.8 EN 303 098 V2.2.1:2019, Clause 7.13 Protection of the Transmitter to Immersion EUROCAE ED-14G 2015 Lloyds Register Type Approval System, Test Specification 1 – 2019 (sections 12 to 18 and 20) EN 12830: 2018 Clause 6.6.7, excluding solids	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 3 & 4	**1 ENVIRONMENTAL TESTS** (cont'd)		
	1.19 Corrosion	**Selection of Specifications with tests that are achievable in our salt corrosion chamber**	A
	Max Size: 920 x 920 x 920 mm Various concentrations of sodium chloride and other corrosive solutions	IEC 60068-2-11:1981 IEC 60068-2-52:1996 EN 60068-2-11:1999 EN 60068-2-52:1996 IEC 61097-12:1996 + Amd 1:2017 BS/IEC 61097-2:2021 UL 50E, third edition:2020. Section 8.8 & 8.9 corrosion only BS 3G 100-2.3.8:1972 DEF STAN 00-35 (Part 3) Issue 4:2006 Test CN 2 DEF STAN 08-123 Issue 2:2012 EN 300 066:V1.3.1:2001 EN 300 225 V1.4.1: 2004-12 sections 7.7 and 11.2.4 EN 302 152-1 V 1.1.1:2003 Clause 6.5 EN 303 098 V2.2.1:2019 Clause 7.7 AECTP 300 Method 309 IEC/EN 60945:2002 inc. Corrigendum 1: 2008, Section 8.12 MIL-STD 810 up to version H: Method 509 MIL-STD 202G:Method 101 RTCA DO160: up to version G Section 14 ASTM B117-07 RTCM 11000.2:2002 Section A7 RTCM 11010.2:2012 Section A8 RTCM 11010.3:2018 RTCM 11010.4:2022 EN ISO 9227:2012 EN ISO 9227:2017, neutral salt spray tests only EUROCAE ED-14G 2015 RTCM 11901.1:2012 Section 8 DNV 2.4:2006 DNVGL-CG-0339: 2019 Clause 10 Lloyds Register Type Approval System, Test Specification 1 – 2019 (sections 12 to 18 and 20) EN 50155:2017 IACS UR E10 Rev.6: 2014 IACS UR E10 Rev.7: 2018	A A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 3 & 4	**1 ENVIRONMENTAL TESTS** (cont'd)		
	1.20 Icing/Freezing Rain Test Deposition of Glaze Ice or Rime Ice Min Temp: - 40°C Max Chamber Size: 5.0 x 6.0 x 4.0m	**Specifications for Icing & Freezing Rain** EUROCAE ED-14G 2015 DEF STAN 08-123 Issue 2:2012 DEF STAN 00-35 (Part 3) Issue 4:2006, Test CL10 RTCA DO160: up to version G Section 24 MIL-STD 810 up to version H: Method 521 AECTP 300 Method 311	A
	1.21 Rapid Decompression Chamber Size 900mm x 800mm Temperature: Ambient	**Specifications for Rapid Decompression** DEF STAN 00-35 (Part 3) Issue 4:2006, Test CL 9 MIL STD: 810 up to version H Method 500 Procedure III EUROCAE ED-14G 2015 RTCA DO-160: up to version G section 4.6.2	A
	1.22 Fluid contamination Oil Resistance	**Selection of Specifications with tests that are achievable in our fluid contamination facilities** ETSI EN 300 066:v1.3.1:2001 section 6.12 ETSI EN 300 225 V1.4.1:2004-12 section 7.11 ETSI EN 303 098 V2.2.1 :2019, Clause 7.12 Oil Resistance MIL-STD 810 up to version H: Method 504 RTCM 11000.3:2012 Clause A.11 RTCM 11010.3:2018 Clause A.18 RTCM 11000.4 + A1:2016 Clause A.10 RTCM 11010.4:2022 IEC 61097-12:1996 + Amd 1:2017 BS/IEC 61097-2:2021	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	2 EMC TESTS		
Military Aerospace equipment Military Maritime equipment Military Land Based equipment Civil Aerospace equipment Civil Maritime equipment Civil Land Based equipment	Conducted Emissions-DC to 400 MHz Radiated Emissions – 20 Hz to 40 GHz Conducted Susceptibility – 20 Hz to 400 MHz Radiated Susceptibility – 20 Hz to 18 GHz Transient Emissions Transient Susceptibility Power Supply Phenomena	**<u>Military/ Aerospace Specifications</u>**	
		AECTP-500 Edition 4:2011	A
		AECTP-500 Edition E Version 1:2016, Excluding NRS03 – Radiated Susceptibility, Transient Electromagnetic Field	A
		Airbus ABD-0100.1.2 Issue E, Clauses 3.2, except 3.2.1; 3.3, 3.4 and 3.5	A
		Airbus ABD0100.1.2 Rev F Clauses 3.2.1	A
		Airbus ABD0100.1.2 Rev G Clauses 3.2, 3.3, 3.4, 3.4, Excluding 3.2.1	A
		Airbus ABD-0100.1.8 Issue D	A
		Airbus ABD-0100.1.8 Issue E Table C (excluding 50, 100 and 400µs sections of Test 5)	A
		Airbus ABD-0100.1.8.1 Issue C: July 2008, Voltage Spikes applied with a 10 µs Pulse Duration Only, (as per RTCA DO-160 Section 17.4)	A
		Boeing 787B3 0147 Rev C	A
		Boeing D2 00Z001 Rev D, Except Paragraphs 12.7.5.3.2 and 12.7.5.4.2	A
		Boeing D6-16050-4 Rev D	A
		Boeing D6-16050-4 Rev G	A
		Boeing D6-16050-4 Rev F	A
		Boeing D6-16050-5 Rev C	A
		Boeing D6-16050-5 Rev D	A
		Boeing D6-36440 Volume 1 Rev H, Excluding AC Powered equipment for Boeing 787 Aircraft	A
		Boeing D6-44588 Rev AA, except paragraph 3.5.3.9	A
		BS 3G 100-2.2:1972	A
		BS 3G 100-3:1979	A
		DEF STAN 08-123 Data Sheet 38	A
		DEF STAN 59-411 (Part 3) Issue 1:2007 plus Amendment 1:2008	A
		DEF STAN 59-411 Issue 2:2014 Excluding Clause B.19	A
		DEF STAN 59-411 Part 3 Issue 3:2019	A
		DEF STAN 61-005, Part 6, Issue 7:2020	
		DEF STAN 61-5, Part 4 Issue 4, Part 6 Issue 6	A
		DEF STAN 65-1 (Part 4) Section 2, Harmonic Distortion only	A
		EN 2282:1992, Annex A	A
		Eurocae ED-14G 2011 Inc Change 1 2015, Sections 15 to 25 excluding Section 20.6, 21.6, 23 and 24	A
		LEMP-EFA-2 (Fast Pulse)	A
		MIL STD 461, D, E, F, G, excluding RS 105, limitations to CS115	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	2 EMC TESTS (cont'd)		
Military Aerospace equipment Military Maritime equipment Military Land Based equipment Civil Aerospace equipment Civil Maritime equipment Civil Land Based equipment (cont'd)	Conducted Emissions-DC to 400 MHz Radiated Emissions – 20 Hz to 40 GHz Conducted Susceptibility – 20 Hz to 400 MHz Radiated Susceptibility – 20 Hz to 18 GHz Transient Emissions Transient Susceptibility Power Supply Phenomena	**<u>Military/ Aerospace Specifications</u>**	
		MIL STD 461A, B, C, D, E, F, G, excluding RS 105, limitations to CS115	A
		MIL-STD 285	A
		MIL-STD 704E	A
		MIL-STD 704F	A
		NES 1004 issue 2 Data Sheet 38	A
		RTCA DO-160 D:1997 Parts 15 to 22 and 25	A
		RTCA DO-160 E Sections 15 to 22 and 25	A
		RTCA DO-160 F Sections 15 to 25 Excluding Section 20.6, 21.6, 23 and 24	A
		RTCA DO-160 G Sections 15 to 25 Excluding Section 20.6, 21.6, 23 and 24	A
		SPE-J-000-E-1000, Issue 1 CS-EFA-7, limited to 10 GHz, Excluding LEMP-EFA-1, LEMP-EFA-2, NEMP-EFA-1 & NEMP-EFA-2	A
		SPE-J-000-E-1-1000	A
		SP-P-90001	A
		SP-P-90-010:Issue 1:Nov 1995	A
		STANAG 1008:Edition 8	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	3 CIVIL EMC TESTS		
	3.1 Conducted Emissions		
		BS EN IEC 55014-1:2021, Excludes EN 61000-4-20 TEM Cell and EN 61000-4-22 FAR optional testing	A, B
Information Technology Equipment	AC / DC Mains Port	BS EN 55025:2017 Excluding clauses 5, 6.6 & 6.7	A, B
Electrical Equipment for operation in residential and light industrial environments	LISN / AMN 9 kHz to 30 MHz	CISPR 11, ed 5.1:2010	A, B
		CISPR 11, ed 6.1:2016	A, B
	Wired Network Port	CISPR 11, ed 6:2015	A, B
Industrial Apparatus Operating at Less than 1000 V AC or from Special Power Sources Connected to Public, Low-Voltage, Mains Supplies	ISN / AAN 150 kHz to 30 MHz	CISPR 11. ed 5:2009	A, B
		CISPR 12, ed 5.1:2005	A, B
	Wired Network Port	CISPR 12, ed 5:2001	A, B
	Capacitive Voltage Probe /	CISPR 13, Ed 5.1:2015 Table 1 Applicable Only	A, B
	Current Probe 150 kHz to 30 MHz	CISPR 14-1: 2005 +A1: 2008 excluding use of EN 55015 & EN 61000-4-20 method	A, B
		CISPR 14-1:2020, Excludes EN 61000-4-20 TEM Cell and EN 61000-4-22 FAR optional testing	A, B
Aerospace Components and Equipment		CISPR 25, ed 3:2008 excluding clauses 5, 6.5 & 6.6	B
Aerospace Structures	Shielded Fibre Optic Port	CISPR 25, ed 4:2016 excluding clauses 5, 6.6 & 6.7	B
Agricultural Equipment		CSA CISPR 11:19	A, B
Batteries and Cells	Capacitive Voltage Probe/	ECE Regulation 10.03:2008 Annex 10	B
Circuit Breakers and Switches	Current Probe 150 kHz to 30 MHz	ECE Regulation 10.04:2012 Annex 10	B
		ECE Regulation 10.05:2014 Annex 10, 19 and 20	B
Compressors			
Computers and Peripherals	Antenna Port	ECE Regulation 10.06:2019 Annex 10, 19 and 20	B
Construction Plant and Equipment	Capacitive Voltage Probe /	EN 55011:2009 including Amendment 1:2010	A, B
Construction Products			
Domestic Appliances:	Current Probe 150 kHz to 30 MHz	EN 55011:2016 + A1:2017	A, B
		EN 55011:2016+A11:2020	A, B
Electrical		EN 55013:2013+A1:2016 Table 1 Applicable Only	A, B
Electrical/Electronic Components	Broadcast Receiver Port	EN 55014-1:2017+A11:2020 4- excluding the use of EN 61000-20, EN 61000-4-22 and Table 4	A, B
Electrical/Electronic Connectors		EN IEC 55014-1:2021, Excludes EN 61000-4-20 TEM Cell and EN 61000-4-22 FAR optional testing	A, B
Electrical/Electronic Products			
Electronic Products: Digital			
Electro-Mechanical Devices			
Enclosures for Electrical Equipment			
Fans			
Filters and Filter Media			
Fire Fighting and Detection Equipment			
Generators: Electrical			
Generators: Power			
Generators: Welding			
Hydraulic Equipment and Fittings			
Industrial Trucks			
Instruments: Indicating or Recording			
Insulating Materials: Electrical			

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	3 CIVIL EMC TESTS (cont'd)		
	3.1 Conducted Emissions (cont'd)		
IT Equipment Lamps: Electric Lawnmowers Lifting Gear Luminaires Magnetic Materials Marine Equipment Measuring Equipment	Current Probe 150 kHz to 30 MHz	EN 55015:2006 including Amendment A2:2009 Limited to LED Products EN 55025:2017 Excluding clauses 5, 6.6 & 6.7 EN 60255-25:2000 ICES-001, Issue 4:2006 J55013:1998 J55013:2010 J55032:2017 KS C 9832:2024	A, B A, B A, B A, B A, B A, B A, B A, B
Mechanical Products and Plant Medical/Dental Equipment Message Signs Micro-Electronic Circuits and Components Mining Equipment Components Mining Plant and Equipment Motor Vehicle Accessories and Components Motor Vehicles Motors: Electrical Office Equipment: Electrical Optical and Photometric Equipment Plugs and Sockets: Electrical Power Supplies: Electrical Printed Circuit Boards Pumps Radar Equipment Radio and TV Equipment Radiocommunications Equipment Recreational and Sporting Equipment Rescue Appliances/ Equipment Safety Appliances and Equipment Satellites and Sub-assemblies Security Devices and Alarms Security Equipment Smoke Detectors Sonar Equipment Structural Components and Fittings Switchboards: Electrical Tools: Machine Toys Transformers: Electrical Video Equipment Waste Handling Equipment Weapons and Sub-assemblies	Signal / Control Ports Current Probe 9 kHz to 30 MHz Disturbance Power 30 MHz to 300 MHz	VCCI 27th Edition:2013	B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 23 & 24	**3 CIVIL EMC TESTS** (cont'd)		
	3.2 Radiated Emissions		
	Magnetic Field: 10 kHz to 30 MHz	2004/104/EC	B
	Electric Field: 30 MHz to 40 GHz	2006/28/EC	B
	Interference Power: 0.15 MHz to 300 MHz	95/54/EC Annexes VII and VIII	B
	Effective Isotropic	97/24/EC Chapter 8	B
	Radiated Power: 30 MHz to 40 GHz	AS/NZS CISPR 11:2004	A, B
		BS EN IEC 55014-1:2021, Excludes EN 61000-4-20 TEM Cell and EN 61000-4-22 FAR optional testing	A, B
		BS EN 55025:2017 Excluding clauses 5, 6.6 & 6.7	B
		CISPR 11, ed 5.1:2010	A, B
		CISPR 11, ed 6.1:2016	A, B
		CISPR 11, ed 6:2015	A, B
		CISPR 11. ed 5:2009	A, B
		CISPR 12, Ed 5:2001	A, B
		CISPR 13, Ed 5.1:2015 Table 1 Applicable Only	A, B
		CISPR 14-1: 2005 +A1: 2008 excluding use of EN 55015	A, B
			A, B
		CISPR 14-1:2020, Excludes EN 61000-4-20 TEM Cell and EN 61000-4-22 FAR optional testing	A, B
		CISPR 25, ed 3:2008 excluding clauses 5, 6.5 & 6.6	B
		CISPR 25, ed 4:2016 excluding clauses 5, 6.6 & 6.7	B
		CSA CISPR 11:19	A, B
		ECE Regulation 10.03:2008 Annex 7 and 8	B
		ECE Regulation 10.04:2012 Annex 7 and 8	B
		ECE Regulation 10.05:2014 Annex 7 and 8	B
		ECE Regulation 10.06:2019 Annex 7 and 8	B
		EN 50498:2010	B
		EN 55011:2009 including Amendment 1:2010	A, B
		EN 55011:2016 + A1:2017	A, B
		EN 55011:2016+A11:2020	A, B
		EN 55013:2013+A1:2016 Table 1 Applicable Only	A, B
		EN 55014-1:2017+A11:2020 excluding the use of EN 61000-4-20, EN 61000-4-22 and Table 4	A, B
		EN IEC 55014-1:2021, Excludes EN 61000-4-20 TEM Cell and EN 61000-4-22 FAR optional testing	A, B
		EN 55015:2006 including Amendment A2:2009 Limited to LED products	A, B
		EN 55025:2017 Excluding clauses 5, 6.6 & 6.7	B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 23 & 24	**3 CIVIL EMC TESTS** (cont'd)		
	3.2 Radiated Emissions (cont'd)		
	Magnetic Field: 10 kHz to 30 MHz	EN 61000-4-20 method	A, B
	Electric Field: 30 MHz to 40 GHz	ICES-001, Issue 4:2006	A, B
	Interference Power: 0.15 MHz to 300 MHz	J55013:2010	A, B
	Effective Isotropic	J55014-1 (H27) excluding use of CISPR15 & IEC 61000-4-20 method	A, B
	Radiated Power: 30 MHz to 40 GHz	J55032:2017	A, B
		KS C 9832:2024	A, B
		VCCI: 27th Edition:2013	B
	3.3 Conducted Immunity		
	Conducted Immunity 20 Hz to 400 MHz	EN 61000-4-6:1996 including Amendment A1:2001	A, B
	RF Immunity Bulk Current Injection	EN 61000-4-16:2016, Clause 5.3 & 6.1.4	A, B
		EN 61000-4-6:2007 including Corrigendum 1:2007	A, B
		EN 61000-4-6:2009	A, B
		EN 61000-4-6:2014	A, B
		IEC 61000-4-6:2003 including Amendment 1:2004 and Amendment 2:2006	A, B
		IEC 61000-4-6 ed 3:2008	A, B
		EN 61000-4-16:1998 Clause 6.1.3	A, B
		IEC 61000-4-6:ed 2.1:2004	A, B
		IEC 61000-4-6:ed 2.2:2006	A, B
		ECE Regulation 10.03:2008 Annex 9	B
		ECE Regulation 10.04:2012 Annex 9	B
		ECE Regulation 10.05:2014 Annex 9	B
		ECE Regulation 10.06:2019 Annex 9	B
	3.4 Radiated Immunity		
	Radiated Immunity	2004/104/EC	B
	Magnetic Field: DC to 35 MHz	2006/28/EC	B
		95/54/EC Annex IX	B
	Electric Field:	97/24/EC Annex 8	B
	80 MHz to 1 GHz: >600 V/m	ECE Regulation 10.02:1997 Annex 9	B
	1 GHz to 18 GHz: >1 kV/m	ECE Regulation 10.03:2008 Annex 9	B
	18 GHz to 40 GHz: >200 V/m	ECE Regulation 10.04:2012 Annex 9	B
		ECE Regulation 10.05:2014 Annex 9	B
		ECE Regulation 10.06:2019 Annex 9	B
		EN 50498:2010	B
		EN 61000-4-3:2002	A, B
		EN 61000-4-3:2006 including Amendment A1:2008 and Amendment A2:2010	A, B
		IEC 61000-4-3:2002 Including Amendment 1:2002	A, B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 23 & 24	**3 CIVIL EMC TESTS** (cont'd) **3.4 Radiated Immunity** (cont'd) Radiated Immunity Magnetic Field: DC to 35 MHz Electric Field: 80 MHz to 1 GHz: >600 V/m 1 GHz to 18 GHz: >1 kV/m 18 GHz to 40 GHz: >200 V/m	IEC 61000-4-3:2006 (including Amendment A1:2007 and Amendment A2:2010 IEC 61000-4-3:ed2:2002 including Amendment A1:2002 including Amendment 1:2002 ISO 11452-1:2005 ISO 11452-2:1995 200 MHz to 18 GHz ISO 11452-2:2004 ISO 11452-4:1995 1 MHz to 400 MHz ISO 11452-4:2005 including Corrigendum 1:2009 excluding clause 7.6.2; Figure 2 and clause 8.3.2 ISO 11452-4:2011 excluding clauses 6.2, 7.6.2 & E.1.2 ISO 11452-5:2002 SAMA PMC 33.1:1985	A, B A, B A, B A, B A, B A, B A, B A, B A, B A, B
	3.5 Mains Harmonics and Fluctuations Mains Harmonics and Fluctuations: 0 to 2 kHz Limited to <16 Amps	ECE Regulation 10.05:2014 Annex 17 and 18 ECE Regulation 10.06:2019 Annex 17 and 18 EN 61000-3-2:2000 EN 61000-3-2:2006 including Amendment 2:2009 EN 61000-3-2:2014 EN IEC 61000-3-2:2019 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3: 2013 EN 61000-3-3:1995 including Amendment 1:2001 and Amendment 2:2005 EN 61000-3-3:2008 Limited to <16A supply EN 61000-3-3:2013+A1:2019 EN 61000-3-3:2013+A2:2021 IEC 61000-3-2:2018 IEC 61000-3-2:ed3.2009 IEC 61000-3-2:ed3:2005 IEC 61000-3-3 ed1.1:2002 IEC 61000-3-3 ed1.2:2005 IEC 61000-3-3 ed2:2008 IEC 61000-3-3:ed1:1994 Including Amendment 1:2001 and Amendment 2:2005 JIS 61000-3-2: 2011 JIS 61000-3-2:2019 JIS C61000-3-2:2005 KS C 9610-3-2:2023 KS C 9610-3-3:2023	B B A, B A, B A, B A, B A, B A, B A, B A, B A, B A, B A, B A, B A, B A, B A, B A, B A, B A, B A, B A, B A, B A, B A, B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 23 & 24	**3 CIVIL EMC TESTS** (cont'd)		
	3.6 Immunity to Power Frequency Magnetic Field	EN 61000-4-8:2010	A, B
		EN 61000-4-9:2016	A, B
		IEC 61000-4-8 ed 1.1:2001	A, B
		IEC 61000-4-8 ed 2:2009	A, B
		IEC 61000-4-8:ed1:1993 including Amendment 1:2000	A, B
		IEC 61000-4-9 ed1.1:2001	A, B
		IEC 61000-4-9:2016	A, B
	3.7 Immunity to close Proximity Fields 30 kHz, 134.2 kHz and 13.56 MHz	EN 61000-4-39:2017 Radiated Fields (methods covering spot frequencies as required in) EN 60601-1-2:2015+ A1:2021 IEC 60601-1-2:2014+ A1:2020	A, B
	3.8 Mains Surges and Transients	ECE Regulation 10.03:2008 Annex 10	A, B
		ECE Regulation 10.04:2012 Annex 10	A, B
		ECE Regulation 10.05:2014 Annex 10, 21 and 22	B
		ECE Regulation 10.06:2019 Annex 10, 21 and 22	B
		EN 61000-4-4:1995 including Amendment A1:2001 and Amendment 2:2001	A, B
		EN 61000-4-4:2004 including Amendment A1:2010 and Corrigenda 2006 & 2007	A, B
		EN 61000-4-4:2012	A, B
		EN 61000-4-5:2006	A, B
		EN 61000-4-5:2014	A, B
		EN 61000-4-5:2014 + A1:2017	A, B
		IEC 61000-4-4 ed 2:2004	A, B
		IEC 61000-4-5 ed 2:2005	A, B
		IEC 61000-4-5:2014 + A1:2017	A, B
		ISO 7637:Parts 1 and 2:1990 Except Pulse 1b, limited to level 1 and 2 only	A, B
		ISO 7637-2:2004	A, B
		ISO 7637-2:2011	A, B
	3.9 Mains Dips and Interruptions	EN 61000-4-11:2004 A1:2017	A, B
		EN 61000-4-29:2001	A, B
		EN IEC 61000-4-11:2020 Single phase supply <=16A Only	A, B
		IEC 61000-4-11:ed 2:2004 A1:2017	A, B
	3.10 Electrostatic Discharge to 25 kV	EN 61000-4-2:2009	A, B
		IEC 61000-4-2 ed2: 2008	A, B
		ISO 10605:2008 Am1:2014	A, B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 23 & 24	**3 CIVIL EMC TESTS** (cont'd)		
	3.11 Generic and Product Specific Standards		
	These standards, which refer to basic standards, are included in this Schedule, but only to the extent that the referenced standards are explicitly included in Sections 3.1 to 3.10 of the Schedule.	3GPP TS 25.113: V11.1.0:2015	A, B
		3GPP TS 37.113:V11.1.0:2012	A, B
		AS/NZS 61000.6.2:2006	A, B
		AS/NZS 61000.6.4:2012	A, B
		AS/NZS 61000-6-3:2007	A, B
		Automotive Conformance Specification 5, issue 9:2004	A, B
		BS EN IEC 55014-1:2021, Excludes EN 61000-4-20 TEM Cell and EN 61000-4-22 FAR optional testing	A, B
		BS IEC 61097-2:2021 Clauses 4.8, 6.8, 6.18, 6.20 and 6.21 only	A, B
		BS EN 60601-1-2:2015+A1:2021	A, B
		BS EN IEC 61326-2-6:2021	A, B
		CAN/CSA C22.2 No.60601-1-2:2016	A, B
		CISPR 14-1: 2005 +A1:2008 excluding use of EN 55015 & EN 61000-4-20 method	A, B
		J55014-1 (H27) excluding use of CISPR15 & IEC 61000-4-20 method	
		CISPR 14-1:2020, Excludes EN 61000-4-20 TEM Cell and EN 61000-4-22 FAR optional testing	A, B
		CISPR 32: 2012	A, B
		CISPR 32: 2015	A, B
		CISPR 32:2015 + A1:2019	A, B
		CISPR 35:2016 Excludes Table 2 clauses 2.2 & 2.3	A, B
		CSA CISPR 11:19	A, B
		DNV No 2.4 2006 Sections 3.14 & 3.15	A, B
		DNVGL-CG-0339:2016 Section 3 Clauses 4, 5,14.4, 14.5, 14.6, 14.7, 14.8, 14.9, 14.10, 14.11, 14.12 and 15.1	A, B
		DNVGL-CG-0339:2019 Section 3 Clauses 4, 5, 14 and 15.1	A, B
		DNV-CG-0339:2021, Section 3, Clauses 4, 5, 14 and 15.1	A, B
		EN13309:2010	A, B,
		EN 301 489-19 V2.2.1:2022	A, B, G
		Draft EN 301 489-19 V2.2.0:2020	A, B
		Draft EN 301 489-20 V2.1.2:2021	A, B
		Draft EN 301 489-3 V2.1.2:2021	A, B
		Draft EN 301 489-17 V3.2.5.:2022	A, B, G
		Draft EN 301 489-17 V3.2.6:2023	A, B, G
		EN 301 489-3 V2.3.2:2023	A, B, G
		Draft EN 301 489-52 V1.1.2:2020	A, B
		Draft EN 301 489-54 V0.0.5:2020	A, B
		EN 12015:2014 excluding tables 3, 4 and 5	A, B
		EN 12016:2013 excluding Tables 5 and 7	A, B
		EN 12830:2018 Section 6, Clause 6.1,Table 5, Note b Only	A, B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on 23 & 24	**3 CIVIL EMC TESTS** (cont'd) **3.11 Generic and Product Specific Standards** (cont'd) These standards, which refer to basic standards, are included in this Schedule, but only to the extent that the referenced standards are explicitly included in Sections 3.1 to 3.10 of the Schedule.	EN 12895:2000 EN 12966: 2014 Section 4.5.4 EN 12966:2014+A1:2018 EN 300 386 v1.6.1.2012 Excluding Harmonics & Flicker measurements above 16 Amps EN 300 386:V1.3.2:2003 EN 300 386:V1.3.3:2005 EN 300 386:V1.4.1:2008 EN 300 386:V1.5.1:2010 Excluding Harmonics & Flicker measurements above 16 Amps EN 300 386:V1.3.1:2001 EN 301 489-1 V2.2.3:2019 EN 301 489-2 V2.1.1:2019 EN 301 489-10:V1.1.1:2000	A, B A, B A, B A, B A, B A, B A, B A, B A A, B, G A, B, G A, B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 23 & 24	**3 CIVIL EMC TESTS** (cont'd)		
	3.11 Generic and Product Specific Standards (cont'd)		
	These standards, which refer to basic standards, are included in this Schedule, but only to the extent that the referenced standards are explicitly included in Sections 3.1 to 3.10 of the schedule	EN 301 489-12:V2.2.2:2008	A, B
		EN 301 489-13:V1.2.1:2002	A, B
		EN 301 489-15 V2.2.1:2019	A, B
		EN 301 489-17 V3.2.4:2020	A, B
		EN 301 489-17 V3.3.1:2024	A, B, G
		EN 301 489-18:V1.3.1:2002	A, B
		EN 301 489-19 V2.1.1:2019	A, B
		EN 301 489-20 V2.1.1:2019	A, B, G
		EN 301 489-20 V2.2.1:2021	A, B
		EN 301 489-22:V1.3.1:2003	A, B
		EN 301 489-23:V1.5.1:2011	A, B
		EN 301 489-28:V1.1.1:2004	A, B
		EN 301 489-28 V2.1.1:2024	A, B
		EN 301 489-3 V2.1.1:2019	A, B
		EN 301 489-33 V2.2.1:2019	A, B, G
		EN 301 489-4:V1.4.1:2009	A, B
		EN 301 489-4 V3.3.1:2021	A, B, G
		EN 301 489-5 V2.2.1:2019	A, B
		EN 301 489-50 V2.2.1:2019	A, B
		EN 301 489-50:V1.2.1:2013	A, B
		EN 301 489-50 V2.3.1:2021	A, B, G
		EN 301 489-51 V2.1.1:2019	A, B
		EN 301 489-52 V1.2.1:2021	A, B, G
		EN 301 489-52 V1.3.1:2024	A, B, G
		EN 301 489-7:V1.3.1:2005	A, B
		EN 301 489-8:V1.2.1:2002	A, B
		EN 301 843-1:V2.2.1:2017	A, B
		EN 303 098 V2.2.1:2019, Clause 7.10-Compass Safe Distance Only	A
		EN 50121-1:2000	A, B
		EN 50121-1:2006	A, B
		EN 50121-1:2015	A, B
		EN 50121-1:2017	A, B
		EN 50121-3-1:2000	A, B
		EN 50121-3-1:2006	A, B
		EN 50121-3-1:2015	A, B
		EN 50121-3-1:2017	A, B
		EN 50121-3-2:2000	A, B
		EN 50121-3-2:2006	A, B
		EN 50121-3-2:2015, excluding Table 1 row 1.2	A, B
		EN 50121-3-2:2016 + A1:2019, excluding Table 1 row 1.2	A, B
		EN 50121-3-2:2016, excluding Table 1 row 1.2	A, B
		EN 50121-4:2000 (excluding Table A – Short Circuit Current Tests)	A, B
		EN 50121-4:2006	A, B
		EN 50121-4:2015	A, B
		EN 50121-4:2016	A, B
		EN 50121-4:2016 + A1:2019	A, B
		EN 50121-5:1996	A, B
		EN 50121-5:2006	A, B
		EN 50121-5:2015, excluding Table 3 row 3.2	A, B
		EN 50121-5:2017+A1:2019, excluding Section 6, Table 3, 3.2	A, B
		EN 50130-4:2011	A, B
		EN 50130-4:2011+A1:2014	A, B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 23 & 24	**3 CIVIL EMC TESTS** (cont'd) **3.11 Generic and Product Specific Standards** (cont'd) These standards, which refer to basic standards, are included in this Schedule, but only to the extent that the referenced standards are explicitly included in sections 3.1 to 3.10 of the schedule	EN 50155:2001, Clauses 3.1.1.1, 3.1.1.2,10.2.6.2 and 10.2.6.3	A, B
		EN 50155:2007, Clause 5.1.1.1, 5.1.1.2, 12.2.6, 12.2.7 and 12.2.8	A, B
		EN 50155:2017, Clauses 5.1.1.1, 5.1.1.2, 5.1.1.3, 5.1.1.4, 13.4.3.1, 13.4.3.2, 13.4.3.3 & 13.4.3.4	A, B
		EN 50155:2021 Clauses 5.2.2, 5.2.3, 5.2.4, 5.2.5, 13.4.3.2, 13.4.3.3, 13.4.3.4, 13.4.3.5 and 13.4.3.5 only	A
		EN 50270:2006	A, B
		EN 50270:2015	A, B
		EN 50293: 2012	A, B
		EN 50556:2011 Clause 4.5 only	A, B
		EN 55011:2016 + A1:2017	A, B
		EN 55011:2016+A2:2021	A, B
		EN 55011:2016+A11:2020	A, B
		EN 55014-1:2006 + A2:2011 excluding use of EN 55015, EN 61000-4-20 method and Table B.3	A, B
		EN 55014-2:1997 including, , Amendment 1:2001 and Amendment 2:2008	A, B
		EN 55014-2:2015	A, B
		EN IEC 55014-2:2021	A, B
		EN 55015:2006 including Amendment A2:2009 Limited to LED products	A, B
		EN 55024:2010 including Amendment A1:2015	A, B
		EN 55032: 2012 AC:2013	A, B
		EN 55032: 2015	A, B
		EN 55032:2015+A1:2020	A, B, G
		EN 55032:2015+A11:2020	A, B, G
		EN 55035:2017 + A11:2020 Excluding clauses 2.2 & 2.3	A, B
		EN 55035:2017 Excluding clauses 2.2 & 2.3	A, B
		EN 55103-1:2009	A, B
		EN 55103-1:2009 + A1:2012	A, B
		EN 55103-2:2009	A, B
		EN 60601-1-2:2007 inc Corrigendum 2010	A, B
		EN 60601-1-2:2015	A, B
		EN 60601-1-2:2015+A1:2021	A, B
		EN 60730-1:2011 Excluding Clauses H.26.13, H26.16 and H26.6	A, B
		EN 61000-6-1:2001	A, B
		EN 61000-6-1:2007	A, B
		EN 61000-6-1:2019	A, B
		EN 61000-6-2:2001	A, B
		EN 61000-6-2:2005	A, B
		EN 61000-6-2:2019	A, B
		EN 61000-6-3:2001 plus Amendment A11:2004	A, B
		EN 61000-6-3:2007 + A1 2011 Limited to 16A for harmonics and flicker	A, B
		EN 61000-6-3:2007 Limited to 16A for harmonics and flicker	A, B
		EN IEC 61000-6-3:2021, Table 4, 4.1 and 4.2 – Single phase products drawing <16 Amps only	A, B
		EN 61000-6-4:2001	A, B
		EN 61000-6-4:2007	A, B
		EN 61000-6-4:2007 + A1 2011	A, B
		EN 61000-6-4:2019	A, B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 23 & 24	**3 CIVIL EMC TESTS** (cont'd) **3.11 Generic and Product Specific Standards** (cont'd)	EN 61000-6-5:2015 inc. corrigendum 2017, Excluding Damped Oscillatory Wave Test, . Mains Frequency Voltage Test, VDI Single Phase > 16 A, Voltage Ripple Test	A
		EN 61000-6-7:2015 Excluding Conducted Common Mode Voltage Continuous and Short Duration Testing	A
		EN IEC 61000-6-8:2020, Table 4, Clause 4.1 and 4.2 – Single Phase products drawing <= 16 Amps only	A, B
	These standards, which refer to basic standards, are included in this Schedule, but only to the extent that the referenced standards are explicitly included in Sections 3.1 to 3.10 of the Schedule.	EN 61204-3:2000	A, B
		BS EN IEC 61204-3:2018, Limitation of source power supplies of 440 V AC 16A / 250 DC 16A	A, B
		EN 61326-1: 2013 Excluding Harmonics & Flicker above 16 Amps	A, B
		EN 61326-2-1: 2013, Limited to 16A for harmonics & flicker	A, B
		EN 61326-2-6:2013	A, B
		EN 61800-3:2004 + A1:2012. Clauses; 5.2.3 (Tables 5&7- voltage dips & interruptions rows only), 5.3.2, 5.3.3, 6.2.3, 6.2.4, 6.4.1.1,6.4.1.2, 6.4.1.3, 6.4.1.4, 6.4.2.2, 6.4.2.3, 6.4.2.4, 6.5.2, 6.5.2.3.1 & 6.5.2.3.2 Only	A, B
		EN 61800-5-2:2017, Annex E Only, Excluding Table E.2. Voltage dips interruptions on single phase or DC products only	A
		EN IEC 61326-1:2021	A, B
		EN IEC 61326-2-1:2021 Harmonics and Flicker limited to single phase < 16A	A, B
		EN IEC 61326-2-3:2021 Harmonics and Flicker limited to single phase < 16 A	A B
		EN ISO 14982:2009	A, B
		EN ISO 15197:2003 Section 6.4 and Annex A only	A, B
		EN301 489-24:V1.5.1:2010	A, B
		Final Draft EN 301 489-9:V2.1.1:2017	A, B
		Final Draft EN 301 489-3 V2.2.0:2021	A, B
		GR-1089-CORE Issue 3:2002	A, B
		Home Office RF susceptibility test requirement, CAST Publication number: 010/18	A, B
		IACS UR E10 Rev.6: 2014	A, B
		IACS UR E10 Rev.7: 2018	A, B
		IACS UR E10 Rev.9: 2023, Test Items 3, 4a, 13, 14, 15, 16, 17, 18, 19 and 20 only	A, B
		ANSI/AAMI/IEC 60601-1-2:2014	
		EN 55014-1:2017+A11:2020 excluding the use of EN 61000-4-20, EN 61000-4-22 and Table 4	
		EN IEC 55014-1:2021, Excludes EN 61000-4-20 TEM Cell and EN 61000-4-22 FAR optional testing	A, B
		ICES-003 Issue 7:2020	A, B
		IEC 60533: 2015	A, B
		IEC 60601-1-2:2014+ AMD1:2020	A, B
		IEC 60601-1-2:ed 2.1:2005 Section 5, Clause 36 only	A, B
		IEC 60601-1-2:ed 3:2007	A, B
		IEC 60601-1-2:ed 4:2014	A, B
		IEC 61000-6-1 ed2:2005	A, B
		IEC 61000-6-1:2019	A, B
		IEC 61000-6-2 ed2:2005	A, B
		IEC 61000-6-2:2016, voltage dips & interruptions – single phase <16A only	A, B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 23 & 24	**3 CIVIL EMC TESTS** (cont'd)		
	3.11 Generic and Product Specific Standards (cont'd)	IEC 61000-6-3:2020, Table 4, 4.1 and 4.2 – single phase products drawing < 16 Amps only	A, B
		IEC 61000-6-4 ed2:2006	A, B
		IEC 61000-6-4:2018	A, B
		IEC 61000-6-8:2020, Table 4, Clause 4.1 and 4.2 – Single Phase products drawing <= 16 Amps only	A, B
		IEC 61097-2 Ed 4:2021 Clauses 4.8, 6.8, 6.18, 6.20 and 6.21 only	A, B
		IEC 61097-2:2008 Clauses 5.18, 5.20 & 5.21 Only	A, B
		IEC 61204-3:2016	A, B
		IEC 61326-2-1:2012	A, B
		IEC 61326-2-6:2020	A, B
		IEC 61800-3:2017	A
		IEC 62238: 2003	A, B
		ISO 7176-21:2003	A, B
		ISO 13766-1:2018	A, B
		KS C 9610-6-1:2019	A, B
		KS C 9610-6-2:2019	A, B
		KS C 9610-6-3:2023	A, B
		KS C 9610-6-4:2022	A, B
		KS C 9811:2019	A, B
		KS C 9832:2024	A, B
		KS C 9835:2019	A, B
		KS X 3124:2024	A, B
		KS X 3125:2020	A, B
		KS X 3126:2024	A, B
		KS X 3129:2020	A, B
		Lloyd's Register LR1:2002	A, B
		Lloyd's Register Type Approval System - Test Specification Number 1:2019 - Clauses 8, 9, 22, 23, 24, 25, 26, 27, 29 and 30	A, B
		RTCM 11000.3 2012, excluding Annex A, Paragraph 1 only	A, B
		RTCM 11000.4 + A1: 2016, Annex A Paragraph 1 only	A, B
		RTCM 11010.3:2018, Compass Safe Distance Only	A
		RTCM 11901.1:2012, Clause 8.2.2, Compass Safe Distance Only	A
Radio Transmitters and Receivers	**3.12 EMC TESTS**	EN 300 132-2:1996	A, B
		EN 301 843-1:V2.2.1:2017	A, B
		EN 301 843-2:V2.2.1:2017	A, B
		EN 301 843-5 V2.2.1:2017	A, B, G
		TS 125 113:V8.3.0:2008	A, B
Marine Navigational Equipment	**3.13 EMC TESTS**	AS/NZS 4280.1:2003 including amendments 1, 2, 3 & 4	A, B
		EN 301 843-1:V2.2.1:2017	A, B
		IEC/EN 60945:2002 including Corrigendum 1: 2008	A, B
		EN IEC 63269:2022, Clause 4.10.2.6 Only	A, B
		ISO 694:2000, Annex A	A, B
		RTCM 11010.4:2022 Clauses A19, Compass Safe Distance Test only	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	5 RADIO TESTING		
Base-Stations and Mobiles Cell Extenders Cellular Infrastructure Radio Equipment	Frequency Range: 10 Hz to 40 GHz Temperature: -25°C to +55°C Relative Humidity: 20% to 75%	EN 300 440:V2.1.1:2017	A, G
	5.1 Emission– - Effective	EN 302 065-1 V2.1.1:2016	A, G
Cellular Telephones		EN 302 065-2 V2.1.1:2016	A, G
		EN 302 066 V2.2.1:2020, Excluding “Large” GPR/WPR devices	A
Communication and Control Systems Cordless Telephones	Radiated Power: 9 kHz to 40 GHz	EN 300 440 V2.2.1:2018	A, G
Digital and Analogue CB Radio Digital Short Range Radio	5.2 Emissions Conducted: 100 Hz to 18 GHz	EN 300 113 V2.2.1:2016	A
Emergency Positioning Indicator Radio Beacon (EPIRB)	5.3 Maximum Frequency Deviation: 10 Hz to 100 kHz	EN 302 152-1:V1.1.1:2003	A
ERMES Pager Systems		EN 300 220-1:V3.1.1:2017	A
Frequency Hopping Radio	5.4 Transmitter Carrier	EN 300 220-2:V3.1.1:2017	A
LAN Equipments	Power: 10 □W to 4 kW	EN 300 225 V1.5.1:2015	A
GSM Base-Station Equipment		EN 300 296 V2.1.1:2016	A
Low Power Devices (Transmitters)		EN 300 328 V2.2.2:2019	A, G
Low Power Induction	5.5 Intermodulation	EN 300 328 V2.2.2:2019 Clauses 4.3.1.10, 4.3.1.11, 4.3.2.9 & 4.3.2.10 Only	B
Marine Digital Selective Calling Modems and Radios Maritime Radio Equipment	Attenuation: 100 kHz to 4 GHz 5.6 Tone Squelch Threshold	EN 300 330:V2.1.1:2017 EN 300 338-1:V1.4.1:2017 excluding sound pressure level testing	A, G A
On-Frequency Repeaters	5.7 Code Frequency	EN 300 338-1:V1.4.2:2017 EN 300 338-1 V1.6.1:2021	A A
Pagers Paging Systems	Selectivity	EN 300 338-2:V1.4.1:2017, excluding sound pressure level testing EN 300 338-2 V1.5.1:2020, excluding sound pressure level testing	A A
Personnel Locator Beacons Pocket Radio Equipment Private Mobile Radio Radio Security Equipment, Onsite and Wide Area	5.8 Decoder Response Time 5.9 Selective Signal	EN 300 338-3:V1.2.1:2017, excluding sound pressure level testing EN 300 338-3 V1.3.1:2020, excluding sound pressure level testing	A A
Search and Rescue Radar Transponders Spread Spectrum Radio LAN Equipments	Threshold	EN 300 338-5:V1.2.1:2017, excluding sound pressure level testing EN 300 338-5 V1.3.1:2020, excluding sound pressure level testing	A A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 35	**5 RADIO TESTING** (cont'd)		
	5.10 Selective Signalling Code Selectivity		
	5.11 Encoder Frequency		
	5.12 Encoder Modulation		
	5.13 Encoder Data Rate		
	5.13 Encoder Data Rate (cont'd)		
	5.15 Effective Receiver Sensitivity: 1 GHz to 40 GHz		
	5.16 Transmitter Transients: 26 MHz to 1.3 GHz		A
	5.17 Blocking and Desensitisation: 100 kHz to 4 GHz	EN 300 676-1: V1.5.2:2011	A
	5.18 Frequency Error: 10 MHz to 40 GHz	Excluding clauses 7.4.5, 8.14 and 8.16	A
	5.19 Permitted Range of Operation Frequencies: 10 Hz to 40 GHz	EN 300 676-2:V2.1.1:2015	A
	5.20 Adjacent Channel Power: to 90 dBc		
	5.21 Out of Band Power: 10 Hz to 40 GHz		
	5.22 Adjacent Channel Selectivity: 100 kHz to 1 GHz	EN 301 025:V2.2.1:2017 EN 301 025 V2.3.1:2021 EN 301 178:V2.2.2:2017 EN 300 394-1 V3.3.1:2015 Clauses 7.1.6, 7.2.9, 8.6 and 9.9.only	A A A A
	5.23 Maximum Usable Sensitivity: 9 kHz to 1 GHz		
	5.24 Reference Sensitivity: 100 kHz to 1 GHz	EN 300 720:V2.1.1:2017	A
	5.25 Intermodulation Response: (2 and 3 Generator Method): 100 kHz to 1 GHz	EN 301 357:V2.1.1:2017	A
	5.26 Mis-Operation (Adverse Power Supply): 100 kHz to 4 GHz	EN 301 681:V2.1.2:2016 EN 301 441:V2.1.1:2016	A A, G

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 35	**5 RADIO TESTING** (cont'd)		
	5.27 Spurious Response Rejection: 10 Hz to 4 GHz	EN 301 721:V2.1.1:2016	A
		EN 301 783 V2.1.1:2016, Transmitter Tests limited to 2 kW for measurements <= 500 MHz and <100W for measurements >1 GHz.	A
		EN 301 925 V1.4.1:2013	A
		EN 301 925 V1.6.1:2020	A
	5.28 Encoder Response		
	5.29 Amplitude Characteristics of Receiver: 100 kHz to 1 GHz	EN 300 698 V2.2.1:2017	A
		EN 300 698 V2.3.1:2018	A
	5.30 Co-Channel Rejection: 100 kHz to 1 GHz	EN 301 033:V1.2.1:2005 excluding clause 8.10	A
		EN 301 033 V1.4.1:2013, Excluding clause 8.12	A
		EN 301 091-1 V2.1.1:2017	A
		EN 301 091-2 V2.1.1:2017	A
		EN 301 126-1 V1.1.2:1999	A
	5.31 AF Response of		
	Modulation Frequencies: > 2.55 kHz	EN 301 893:V2.1.1:2017	A, G
		EN 301 893 V2.1.1:2017, Clauses 4.2.4.1 & 4.2.5 Only	B
		EN 301 893 V2.2.1:2024	A, G
		EN 301 893 V2.2.1:2024, Clauses 4.2.4.1 & 4.2.5 Only	B
	5.32 Modulation Distortion: 20 MHz to 950 MHz	EN 301 908-1 V13.1.1:2019	A
		EN 301 908-14 V13.1.1:2019	A, G
		EN 301 908-1 V15.1.1:2021, 5G NR Excluded from Scope	A
		EN 301 908-1 V15.1.1:2021, Clause 4.2.2 only	B
	5.33 Transmitter Noise and	EN 301 908-1 V15.2.1:2023, 5G NR FR2 Excluded from Scope	A, G
		EN 301 908-1 V15.2.1:2023, Clause 4.2.2 Only, 5G NR FR2 Excluded from Scope	B
	Hum: 20 MHz to 950 MHz		
	5.34 Harmonic Content and Output Power: 10 Hz to 100 kHz	EN 302 208 V3.1.1:2016 Excluding Clause 4.3.8	A
		EN 302 208 V3.3.1:2020	A
		EN 302 502:V2.1.1:2017	A
		EN 302 561 V2.1.1:2016	A
		EN 302 567 V2.2.1:2021	A
		Draft EN 302 571 V2.1.18:2021 Excluding Clause 4.2.9	A
	5.35 Modulation	EN 302 617-1:V2.3.1:2018	A
	5.36 Squelch Facility: 100 kHz to 1 GHz		
	5.37 Accuracy and Stability of Timing Parameters	EN 302 217-2 V3.3.1:2021, Excluding Clauses 4.4 and 5.4 - Antenna Characteristics	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 35	**5 RADIO TESTING** (cont'd)		
	5.38 Bit Error Rate		
	Measurements		
	5.39 Multiple Watch Characteristic, Peak Power Density		
	5.40 Transient Frequency Behaviour		
	5.41 Residual Modulation	EN 303 098 V2.2.1:2019, Clause 8 – Tests of the AIS Transmitter Only	A
	5.42 Data Message Bit Rate 6GHz RLAN	Draft EN 303 687 v1.0.0:2022 EN 303 687 V1.1.1:2023	A, G A, G
	5.43 Message Data Content		
	5.44 Frequency Stability		
	5.45 Power Rise and/or Fall Time	COSPAS/SARSAT T.007 Issue 5:May 2017 including Revision 1: Feb 2018, Revision 2: Jun 2018, Revision 3: Feb 2019, Revision 4: Nov 2019 Revision 5: May 2020 Revision 7: Jun 2021 Revision 8: Mar 2022 Revision 9:Nov 2022 Revision 10: Oct 2023 Revision 10, Corr.1: Apr 2024 Revision 11: Oct 2024	A
	5.46 Power Burst Rate		
	5.47 Power Burst Width		
	5.48 Magnitude of Phase		
	5.49 Rise and/or Fall Time of Pulse Modulation	AS/NZS 4268:2017, limited to measurements <40 GHz	A
	5.50 Radiated Spurious Emissions	AS/NZS 4771:2000 including Amendment 1 excluding clauses 5.1.2 and 7.2.9	A
		ANSI TIA-603-E	A
		AS/NZS 4583:2010	A
		ARIB STD-T66 Version 3.7: Oct 2014	A
		ARIB STD T-82 Version 1.1 Nov 2005	A
		ARIB STD T-93 Version 1.1: Sep 2007	A
		ARIB STD T-108 Version 1.5: Mar 2023	A
		ICES-003 Issue 7: 2020,	A
		EN 302 326-2:V1.2.1:2007	A
		TELEC Test Method of RFID (Only 13.56 MHz) September 19, 2002	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 35	**5 RADIO TESTING** (cont'd)		
	5.50 Radiated Spurious Emissions	3GPP TS 51.010-1 V13.11.0:2019, Clause 12.2.1 and 12.2.2 only (including bands 850 & 1900)	A
		EN 301 511:V12.5.1:2017 Clauses 4.2.16 & 4.2.17 Only	A, B
		3GPP TS 36. 124 V11.3.0:2022 Clause 8.2 only (including Bands 2, 4, 5, 7, 12, 13, 14, 17, 25, 26, 30, 41, 42, 43, 48, 66, 71, 85)	A
		3GPP TS 36.124 V12.2.0:2022 Clause 8.2 only (including bands 2, 4, 5, 7, 12, 13, 14, 17, 25, 26, 30, 41, 42, 43, 48, 66, 71, 85)	A
		3GPP TS 36.124 V13.2.0:2022 Clause 8.2 only (including bands 2, 4, 5, 7, 12, 13, 14, 17, 25, 26, 30, 41, 42, 43, 48, 66, 71, 85)	A
		3GPP TS 36.124 V16.1.0 2019 Clause 8.2 only (including bands 2, 4, 5, 7, 12, 13, 14, 17, 25, 26, 30, 41, 42, 43, 48, 66, 71, 85)	A
		3GPP TS 34.124 V16.0.0:2020, Clause 8.2 only (including bands IV and V)	A
		3GPP TS 36.124 V17.1.0:2022, Clause 8.2 only	A
		3GPP TS 38.124 V15.8.0:2022, Clause 8.2 Only, Excluding FR2	A, G
		3GPP TS 38.124 V17.2.0:2022, Clause 8.2 only	A
		EN 303 340 V1.1.2:2016 EN 303 340 V1.2.1:2020	A, G A, G
		EN 303 345-1 V1.1.1:2019 excluding AM receivers with built in, integral or earphone antenna	A
		EN 303 345-2 V1.1.1:2020 Excluding AM receivers with built in integral or earphone antenna	A
		EN 303 345-3 V1.1.1:2021 EN 303 345-4 V1.1.1:2021 EN 303 372-2:V1.1.1:2016	A A A
		EN 303 413 V1.2.1:2021 EN 303 413 V1.2.1:2021 Clause 4.2.2 Only EN 303 417:V1.1.1:2017 ITU-R SM.329-12 (09/2012)	A, G B A A
	5.51 Short Range Devices (SRD) in the 40 GHz to 220 GHz frequency range Power Spectral density RF output power Permitted range of operating frequencies Out-of-band emissions (OOB) Radiated spurious emissions (30 MHz to 220 GHz) Unwanted emissions (30 MHz to 220 GHz)	EN 305 550-1 V1.2.1:2014 EN 305 550-2 V1.2.1:2014	A, G A, G
		Draft EN 305 550 V2.1.0:2017, Measurements up to 220 GHz only	A, G

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	5 RADIO TESTING (cont'd)		
	5.52 OTA, (Over The Air), Total Radiated Power and Total Radiated Sensitivity		
Equipment which falls within OTA system quiet zone, (50x50x50cm)			
3G Cellular Devices	3G UMTS B1, B2, B4, B5, B8	ETSI EN 301 908-2 V13.1.1 (2020-06) TRS - Clauses 4.2.14 / 5.3.13 TRP – Clauses 4.2.15 / 5.3.14	G
		ETSI TS 125 914 V17.0.0 (2022-04)	G
4G Cellular Devices	4G FDD LTE B1, B2, B3, B4, B5, B7, B8, B12, B17, B20, B26, B28, B32, B38, B40, B66	ETSI EN 301 908-13 V13.2.1 (2022-02) TRS – Clauses 4.2.13 / 5.3.12 TRP – Clauses 4.2.14 / 5.3.13	G
		ETSI TS 137 544 V16.2.0 (2021-10)	G
		3GPP TS 37.544 V16.2.0 (2021-09)	G
5G Cellular Devices	5G FDD Sub6 N1, N3, N5, N7, N8, N20, N28, N66	3GPP TR 38.834 V17.2.0 (2022-09) 3GPP TS 38.561 V0.0.1 (2022-09)	G G
	5G TDD Sub6 N34, N38, N40, N41, N77, N78		

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	6 SAR TESTS		
Electronic and Electrical Equipment with intentional Transmitters- intended to be used within less then 20 cm of the body or head.	6.1 Specific Absorption Rate Limited frequency ranges within 30MHz to 7125MHz	ARPANSA Radiation Protection Series No.3	A
		ARPANSA radiation Protection Series S-1 (Rev.1)	A, G
		ARPANSA Radiocommunications (Electromagnetic Radiation Human Exposure) Standard (ACA 2003), Sections 10 and 11	A
		AS/NZS 2772.2:2016 + A1:2018	A, G
		EN 50360:2017	A, G
		EN 50360:2017+A1:2023	A, G
		EN 50385:2002	A
		EN 50385:2017	A
		EN 50566:2013	A, G
		EN 50566:2017	A, G
		EN 50566:2017+A1:2023	A, G
		EN 50663:2017	A
		EN 50665:2017	A
		EN 62209-1:2006	A
		EN 62209-1:2016	A, G
		EN 62209-2:2010	A
		EN 62209-2:2010+A1:2019	A, G
		EN 62232:2017	A
		EN IEC 62311:2020	A, G
		EN 62369-1:2019	A
		EN 62479:2010	A
		FCC 47 CFR Part 1.1310	A, G
		FCC 680106 D01 v03	A, G
		FCC KDB 447498 D01 v06	A, G
		FCC OET Bulletin 65	A, G
		IEC 62311:2019 (Ed 2.0), 0Hz to 300GHz	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	6 SAR TESTS (cont'd)		
Electronic and Electrical Equipment with intentional Transmitters- intended to be used within less then 20 cm of the body or head. (cont'd)	6.1 Specific Absorption Rate Limited frequency ranges within 30MHz to 7125MHz (cont'd)		
		IEC 62209-2:ed 1.0:2010, plus Corrigendum 1	A
		IEEE 1528:2013	A, G
		IEEE 62209-1528:2020	A, G
		IEEE C95.1:2005	A, G
		IEEE C95.3:2010	A, G
		NZS 2772.1:1999 + A1:1999	A
		RSS-102 Issue 6 (Measurement)	A, G
		RSS-216 Issue 2	A, G
		BS EN IEC/IEEE 63195-1:2023	A, G
	Power Density 5925 to 7125 MHz	IEC/IEEE 63195 ED1 (draft) IEC/IEEE 63195-1:2022	A, G A, G
	Absorbed Power Density 5925 to 7125 MHz	CFR 47 Part 2.1093 SPR-APD Issue 1	A, G A, G
Electronic and Electrical Equipment with intentional Transmitters intended to be used within the near field region.	6.2 Nerve Stimulation 10 Hz to 10 MHz	AS/NZS 2772.2:2016 + A1:2018 ARPANSA Radiation Protection Series No.3 ARPANSA Radiation Protection Series S-1 (Rev.1) EN 62311:2019 (Ed 2.0) EN 62369-1:2019 FCC 47 CFR Part 1.1310 FCC KDB 680106 D01 v03 IEEE C95.1:2005 IEEE C95.3.1:2010 NZS 2772.1:1999+A1:1999 RSS-102 Issue 6 (Measurement) SPR-002 Issue 1:2016	A A A A A A A A A A A A A A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	7 SAFETY TESTS		
Information Technology Equipment -- Safety - Part 1: General requirements	7.1 Safety Tests Equipment with a rated voltage not exceeding: 600 V	AS/NZS 60950-1:2015 Excluding: 4.2.8, 4.3.12, 4.3.13, Annex U, Annex Y, Annex CC, Annex ZB 4.3.6, Annex ZX "WITHDRAWN"	A, B, E
		EN 60950-1:2006 + A11:2009 +A1:2010 + A12:2011 + A2:2013 "WITHDRAWN"	A, B, E
		IEC 60950-1:2005 + A1:2009 +A2:2013 "WITHDRAWN"	A, B, E
Audio/video, information and communication technology equipment - Part 1: Safety requirements	7.2 Safety Tests Equipment with a rated voltage not exceeding: 600 V	AS/NZS 62368-1:2018 Excluding clauses 4.7, 5.4.1.10.2, 5.4.2.3.2.5, 5.4.3.3, 5.4.4.6.5, 10.4.3, 10.5.3, 10.6.5.4, Annex C, Annex G.5.2, Annex G.7.1, Annex G.9, Annex G.13.6.2, Annex J, Annex S*, Annex S.3, Annex U *excluded from B & E only	A, B, E
		AS/NZS 62368.1:2022 Excluding 4.7, 5.4.1.10.2, 5.4.2.3.2.5, 5.4.3.3, 5.4.4.6.5, 10.4.4, 10.5.3, 10.6.6.4, Annex C, Annex G.5.2, Annex G.7.1, Annex G.9, Annex G.13.6.2, AnnexJ, Annex S*, Annex S.3,. Annex U *excluded from B & E Only	A, B, E
		CSA C22.2 No. 62368-1:2014 Excluding.7.5.4.1.10.2, 5.4.2.3.2.5, 5.4.3.3, 5.4.4.6.5, 10.4.3, 10.5.3, 10.6.5.4, Annex C, Annex G.5.2, Annex G.7.1, Annex G.9, Annex G13.6.2, Annex J, Annex S*, Annex S.3, Annex U *excluded from B & E only	A, B, E
		CSA C22.2 No. 62368-1:2019, Update No1:2021 Excluding.4.7, 5.4.1.10.2, 5.4.2.3.2.5, 5.4.3.3, 5.4.4.6.5, 10.4.4, 10.5.3, 10.6.6.4, Annex C, Annex G.5.2, Annex G.7.1, Annex G.9, Annex G13.6.2, Annex J, Annex S*, Annex S.3, Annex U *excluded from B & E only	A, B, E
		EN 62368-1:2014 Excluding clauses 4.7, 5.4.1.10.2, 5.4.2.3.2.5, 5.4.3.3, 5.4.4.6.5, 10.4.3, 10.5.3, 10.6.5.4 Annex C, Annex G.5.2, Annex G.7.1, Annex G.9, Annex G13.6.2, Annex J, Annex S*, Annex S.3, Annex U *excluded from B & E only	A, B, E
		EN 62368-1:2014 + A11: 2017 excluding clauses 4.7,5.4.1.10.2,5.4.2.3.2.5,5.4.3.3, 5.4.4.6.5, 10.4.3, 10.5.3, 10.6.5.4, Annex C, Annex G.5.2, Annex G.7.1, Annex G.9, Annex G13.6.2, Annex J, Annex S*, Annex S.3, Annex U *excluded from B & E only	A, B, E
		EN IEC 62368-1:2020 Excluding 4.7, 5.4.1.10.2, 5.4.2.3.2.5, 5.4.3.3, 5.4.4.6.5, 10.4.4, 10.5.3, 10.6.6.4, Annex C, Annex G.5.2, Annex G.7.1, Annex G.9, Annex G.13.6.2, Annex J, Annex S*, Annex S.3, Annex U *excluded from B & E only	A, B, E
		EN IEC 62368-1:2020 + A11:2020 Excluding 4.7, 5.4.1.10.2, 5.4.2.3.2.5, 5.4.3.3, 5.4.4.6.5, 10.4.4, 10.5.3, 10.6.6.4, Annex C, Annex G.5.2, Annex G.7.1, Annex G.9, Annex G.13.6.2, Annex J, Annex S*, Annex S.3, Annex U *excluded from B & E only	A, B, E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	7 SAFETY TESTS (cont'd)		
Audio/video, information and communication technology equipment - Part 1: Safety requirements (cont'd)	7.2 Safety Tests (cont'd) Equipment with a rated voltage not exceeding: 600 V	EN IEC 62368-1:2024, Excluding 4.7, 5.4.1.10.2, 5.4.2.3.2.5, 5.4.3.3, 5.4.4.6.5, 10.4.4, 10.5.3, 10.6.6.4, Annex C, Annex G.5.2, Annex G.7.1, Annex G.9, Annex G.13.6.2, Annex G.15 Annex J, Annex S*, Annex S.3, Annex U *excluded from B & E only	A, B, E
		EN IEC 62368-1:2024/A11:2024, Excluding 4.7, 5.4.1.10.2, 5.4.2.3.2.5, 5.4.3.3, 5.4.4.6.5, 10.4.4, 10.5.3, 10.6.6.4, Annex C, Annex G.5.2, Annex G.7.1, Annex G.9, Annex G.13.6.2, Annex G.15 Annex J, Annex S*, Annex S.3, Annex U *excluded from B & E only	A, B, E
		EN IEC 62368-3:2020	A, B, E
		IEC 62368-1:2014, Excluding 4.7, 5.4.1.10.2, 5.4.2.3.2.5, 5.4.3.3, 5.4.4.6.5,10.4.3, 10.5.3, 10.6.5.4, Annex C, Annex G.5.2, Annex G.7.1, Annex G.9, Annex G.13.6.2, Annex J, Annex S*, Annex S.3, Annex U *excluded from B & E only	A, B, E
		IEC 62368-1:2018 Excluding 4.7, 5.4.1.10.2, 5.4.2.3.2.5, 5.4.3.3, 5.4.4.6.5, 10.4.4, 10.5.3, 10.6.6.4, Annex C, Annex G.5.2, Annex G.7.1, Annex G.9, Annex G.13.6.2, Annex J, Annex S*, Annex S.3, Annex U *excluded from B & E only	A, B, E
		IEC 62368-1:2023, Excluding 4.7, 5.4.1.10.2, 5.4.2.3.2.5, 5.4.3.3, 5.4.4.6.5, 10.4.4, 10.5.3, 10.6.6.4, Annex C, Annex G.5.2, Annex G.7.1, Annex G.9, Annex G.13.6.2, Annex G.15 Annex J, Annex S*, Annex S.3, Annex U *excluded from B & E only	A, B, E
		IEC 62368-3:2017	A, B, E
		UL 62368-1:2014 Excluding 4.7, 5.4.1.10.2, 5.4.2.3.2.5, 5.4.3.3, 5.4.4.6.5, 10.4.3, 10.5.3, 10.6.5.4, Annex C, Annex G.5.2, Annex G.7.1, Annex G.9, Annex G.13.6.2, Annex J, Annex S*, Annex S.3, Annex U *excluded from B & E only	A, B, E
		UL 62368-1:2019, R:2021-10 Excluding 4.7, 5.4.1.10.2, 5.4.2.3.2.5, 5.4.3.3, 5.4.4.6.5, 10.4.4, 10.5.3, 10.6.6.4, Annex C, Annex G.5.2, Annex G.7.1, Annex G.9, Annex G.13.6.2, Annex J, Annex S*, Annex S.3, Annex U *excluded from B & E only	A, B, E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	7 SAFETY TESTS (cont'd)		
Information Technology Equipment - Safety - Part 22: Equipment to be installed outdoors	7.3 Safety Tests		
	Equipment with a rated voltage not exceeding: 600 V	CSA C22.2 No. 60950-22:2017 Excluding 8.2, 8.3, 8.5.1, 9.3, 9.3.1, 11, Annex A, Annex B, Annex C, Annex D.2, Annex D.3, Annex D.4	A
		EN 60950-22:2006, Excluding tests of 8.2, 8.3, 9.3, 11, Annex A, Annex B, Annex C, Annex D.2, Annex D.3, Annex D.4	A
		EN 60950-22:2017 Excluding 8.2, 8.3, 9.3, 11, Annex A, Annex B, Annex C, Annex D.2, Annex D.3, Annex D.4	A
		IEC 60950-22:2005, Excluding 8.2, 8.3, 9.3, 11, Annex A, Annex B, Annex C, Annex D.2, Annex D.3, Annex D.4	A
		IEC 60950-22:2016, Excluding 8.2, 8.3, 9.3, 11, Annex A, Annex B, Annex C, Annex D.2, Annex D.3, Annex D.4	A
		UL 60950-22:2017, Excluding 8.2, 8.3, 9.3, 11, Annex A, Annex B, Annex C, Annex D.2, Annex D.3, Annex D.4	A
Railway applications — Rolling stock — Electronic equipment	7.4 Safety Tests	EN 50155:2017 Clause 13.4.9 Only EN 50155:2021, Clause 13.4.7 Only	A A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	7 SAFETY TESTS (cont'd)		
Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements	7.5 Electrical, Mechanical, Flame	CSA-C22.2 No.61010-1-12 AMD 1:2018, excluding clauses 6.7.1.3, test of 9.3.2*, 10.5.3 b) 2), 12.2.1,12.3, 12.5.1, 12.5.2, 12.6, 13.2.3 and test of 14.7*. (*only excluded from B & E)	A, B, E
		CSA-C22.2 No.61010-1-12 Update No.3:2023, excluding clauses 6.7.1.3, test of 9.3.2*, 10.5.3 b) 2), 12.2.1,12.3, 12.5.1, 12.5.2, 12.6, 13.2.3 and test of 14.7*. (*only excluded from B & E)	A, B, E
		CSA-C22.2 No.61010-1-12 Update No.4:2024, excluding clauses 6.7.1.3, test of 9.3.2*, 10.5.3 b) 2), 12.2.1,12.3, 12.5.1, 12.5.2, 12.6, 13.2.3 and test of 14.7* (*only excluded from B & E)	A, B, E
		EN 61010-1:2010 / A1:2019, excluding clauses 6.7.1.3, test of 9.3.2*, 10.5.3 b) 2), 12.2.1,12.3, 12.5.1, 12.5.2, 12.6, 13.2.3 and test of 14.7*. (*only excluded from B & E)	A, B, E
		IEC /EN 61010-1:2010, excluding clauses 6.7.1.3, test of 9.3.2*, 10.5.3 b) 2), 12.2.1,12.3, 12.5.1, 12.5.2, 12.6, 13.2.3 and test of 14.7*. (*only excluded from B & E)	A, B, E
		IEC 61010-1:2010 + AMD1:2016, excluding clauses 6.7.1.3, test of 9.3.2*, 10.5.3 b) 2), 12.2.1,12.3, 12.5.1, 12.5.2, 12.6, 13.2.3 and test of 14.7*. (*only excluded from B & E)	A, B, E
		UL 61010-1:2012, excluding clauses 6.7.1.3, test of 9.3.2*, 10.5.3 b) 2), 12.2.1,12.3, 12.5.1, 12.5.2, 12.6, 13.2.3 and test of 14.7*. (*only excluded from B & E)	A, B, E
		UL 61010-1:2012 Rev 2023, excluding clauses 6.7.1.3, test of 9.3.2*, 10.5.3 b) 2), 12.2.1,12.3, 12.5.1, 12.5.2, 12.6, 13.2.3 and test of 14.7*. (*only excluded from B & E)	A, B, E
		UL 61010-1:2012 R:2024, excluding clauses 6.7.1.3, test of 9.3.2*, 10.5.3 b) 2), 12.2.1,12.3, 12.5.1, 12.5.2, 12.6, 13.2.3 and test of 14.7*. (*only excluded from B & E)	A, B, E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	7 SAFETY TESTS (cont'd)		
Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-010: Particular requirements for laboratory equipment for the heating of materials	7.6 Electrical, Mechanical,	CSA C22.2 No. 61010-2-010:2019, excluding clause 11.2 EN 61010-2-010:2014 excluding clause 11.2 EN IEC 61010-2-010:2020 excluding clause 11.2 IEC 61010-2-010:2014 excluding clause 11.2 IEC 61010-2-010:2019 excluding clause 11.2 UL 61010-2-010:2019 excluding clause 11.2 CSA C22.2 No. 61010-2-051:2019 EN IEC 61010-2-051:2021+A1:2021 IEC 61010-2-051:2015 IEC 61010-2-051:2018 UL 61010-2-051:2019	A, B, E A, B, E A, B, E A, B, E A, B, E A, B, E A, B, E A, B, E A, B, E A, B, E A, B, E
Safety requirements for electrical equipment for measurement, control and laboratory use - Part 2-081: Particular requirements for automatic and semi-automatic laboratory equipment for analysis and other purposes	7.7 Electrical, Mechanical,	CSA C22.2 No. 61010-2-081:2019 EN IEC 61010-2-081:2020 EN 61010-2-081:2015 IEC 61010-2-081:2015 IEC 61010-2-081:2019 UL 61010-2-081:2019 UL 61010-2-051:2019 R:2023-09	A, B, E A, B, E A, B, E A, B, E A, B, E A, B, E A, B, E
Safety requirements for electrical equipment for measurement, control and laboratory use Part 2-101: Particular requirements for in vitro diagnostic (IVD) medical equipment	7.8 Electrical, Mechanical,	CSA C22.2 No. 61010-2-101:2019 EN 61010-2-101:2017 EN IEC 61010-2-101:2022/A11:2022 IEC 61010-2-101:2015 IEC 61010-2-101:2018 UL 61010-2-101:2019 UL 61010-2-101:2019/R:2023-12	A, B, E A, B, E A, B, E A, B, E A, B, E A, B, E A, B, E
Temperature recorders for the transport, storage and distribution of temperature sensitive goods. Tests, performance, suitability	7.9 Electrical, Mechanical, Flame	EN 12830:2018 Clauses 5.8, 6.6.8 & 6.6.9	A, B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Household and similar electrical appliances- - Safety - Part 1: General requirements	**7 SAFETY TESTS** (cont'd) 7.10 Electrical Safety	CSA C22.2 60335-1:2016 excluding clauses 22.7, 22.32, 29.2 (CTI/PTI), Annex F, Annex J, Annex R & Annex T	A, E
		EN 60335-1:2012+A1:2019 excluding clauses 22.7, 22.32, 29.2 (CTI/PTI), Annex F, Annex J & Annex R, Annex T,	A A, , E
		EN 60335-1:2012+A2:2019 excluding clauses 22.7, 22.32, 29.2 (CTI/PTI), Annex F, Annex J & Annex R, Annex T	A, , E
		EN 60335-1:2012+A11:2014, excluding clauses 22.7, 22.32, 29.2, Annex F, Annex J & Annex R, Annex T	A, , E
		EN 60335-1:2012+A12:2017 excluding clauses 22.7, 22.32, 29.2 (CTI/PTI), Annex F, Annex J & Annex R, Annex T	A, , E
		EN 60335-1:2012+A13:2017 excluding clauses 22.7, 22.32, 29.2 (CTI/PTI), Annex F, Annex J & Annex R, Annex T	A, , E
		EN 60335-1:2012+A14:2019 excluding clauses 22.7,22.32,29.2,(CTI/PTI), Annex J & Annex R, Annex T	A, , E
		EN 60335-1:2012+A15:2021 excluding clauses 22.7, 22.32, 29.2 (CTI/PTI), Annex F, Annex J & Annex R, Annex T	A, , E
		EN 60335-1:2012/A16:2023 excluding clauses 22.7, 22.32, 29.2 (CTI/PTI), Annex F, Annex J & Annex R, & Annex T	A, E
		IEC 60335-1:2010+AMD2:2016, COR1:2016 excluding clauses 22.7, 22.32, 29.2 (CTI/PTI), Annex F, Annex J, Annex R & Annex T,	A, , E
		IEC 60335-1:2020 excluding clauses 22.7, 22.32, 24.1.10, 29.2 (CTI/PTI), 32.2, Annex B.20.1, B.20.2, B.24.1.3, B.24.1, Annex F, Annex J, Annex R, Annex T, Annex U	A, E
		UL 60335-1:2016 excluding clauses 22.7, 22.32, 29.2 (CTI/PTI), Annex F, Annex J, Annex R & Annex T,	A, , E
Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers	7.11 Electrical, Mechanical, Flame	CSA C22.2 No. 60335-2-29:2020, Update No1:2023 EN 60335-2-29:2004+A2:2010 EN IEC 60335-2-29:2021+A1:2021 IEC 60335-2-29:2016 UL 60335-2-29:2020, R:2023	A, , E A, , E A, , E A, , E A, , E
Household and similar electrical appliances - Safety Part 2-41: Particular requirements for pumps	7.13 Electrical, Mechanical, Flame	EN 60335-2-41:2003+A2:2010 EN IEC 60335-2-41:2021+A11:2021 IEC 60335-2-41:2012	A, , E A, , E A, , E
Household and similar electrical appliances - Safety - Part 2-80: Particular requirements for fans	7.14 Electrical, Mechanical, Flame	EN 60335-2-80:2003+A2:2009 IEC 60335-2-80:2015	A, , E A, , E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	7 SAFETY TESTS (cont'd)		
Safety requirements for electrical equipment for measurement, control, and laboratory use –	7.15 Electrical, Mechanical,	CSA C22.2 No.61010-2-201:2018 EN IEC 61010-2-201:2018 IEC 61010-2-201:2017 IEC 61010-2-201:2024 UL 61010-2-201:2018, R2022	A, B, E A, B, E A, B, E A, B, E A, B, E
Degrees of protection provided by enclosures (IP code)	7.16 Electrical, Mechanical	EN 60529:1992+A2:2013, Clauses 5.2, 13.2 & 13.3, IP3X & IP4X only IEC 60529:1989 inc Amd 2:2013, Clauses 5.2, 13.2 & 13.3, IP3X & IP4X only	A, B, A, B, A, B
	8 EMC TESTS		
		AECTP-500 Edition E Version 1:2016, Excluding NRS03 – Radiated Susceptibility, Transient Electromagnetic Field	E
Any location where the test defined in Column 2 and to the specifications given in Column 3 can be carried out, but subject to the limitations given in *Note 1* on Page 58 Military Establishment Ships Manufacturing Sites Construction Sites Offices PRODUCTS TESTED Electrical/electronic products Electrical installations Enclosures for electrical Equipment	8.1 Conducted Emissions DC to 400 MHz	BS2G100:Part 2:Section 2:1967 and Amendment 1 BS2G100:Part 2:Section 2:1972 except Compass: Safe Distance BS 1597:1985 EN 55011:2016 + A1:2017 EN 55011:2016+A11:2020 EN 55014-1:2017+A11:2020 excluding the use of EN 61000-4-20, EN 61000-4-22 and Table 4 EN 55014-1:2006 + A2:2011 excluding use of EN 55015, EN 61000-4-20 method and Table B.3 EN 61326-1:2013 MP-5 1986 IEC 533:1991 DEF STAN 59-41 (Part 3) Issue 1, Section 3:2003 Except Clause 9.10, 9.11, 9.13, 9.18 and 9.19 DEF STAN 59-41:Issue 4: Parts 3 and 4 DEF STAN 59-41:Issue 5: Part 3 DEF STAN 59-411 Issue 2: 2014 (excluding Part 5)	E E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	8 EMC TESTS (cont'd)		
PRODUCTS TESTED Electrical/electronic products Electrical installations Enclosures for electrical Equipment	8.1 Conducted Emissions DC to 400 MHz (cont'd)	DG Ships 250B:1981 DEF STAN 59-411 Part 3 Issue 3:2019 RTCA DO160A, B, C, D, E, G TS 1527:Issue 2 MIL STD 461A, B, C, D, E, F, G, excluding RS 105, limitations to CS115 Eurocae ED-14G 2011 Inc Change 1 2015, Sections 15 to 25 excluding Section 20.6, 21.6, 23 and 24 but including In-House Method EMC-TP-061 CISPR 11, ed 6:2015 CISPR 11, ed 6.1:2016 CISPR 14-1: 2005 +A1: 2008 excluding use of EN 55015 & EN 61000-4-20 method J55014-1 (H27) excluding use of CISPR15 & IEC 61000-4-20 method	
As listed on Pages 23 & 24	8.2 Radiated Emissions	AECTP-500 Edition E Version 1:2016, Excluding NRS03 – Radiated Susceptibility, Transient Electromagnetic Field	E
	E Field: 20 Hz to 26 GHz	BS2G100:Part 2:Section 2: 1967 and Amendment 1 BS2G100:Part 2:Section 2: 1972 except Compass: Safe Distance BS 1597:1985 EN 55011:1991 and 1998 including Amendment A1:1999 EN 55011:2016 + A1:2017 EN 55011:2016+A11:2020 EN 55014-1:2017+A11:2020 excluding the use of EN 61000-4-20, EN 61000-4-22 and Table 4 EN 55014-1:2006 + A2:2011 excluding use of EN 55015, EN 61000-4-20 method and Table B.3	E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 23 & 24	**8 EMC TESTS** (cont'd) 8.2 Radiated Emissions (cont'd) E Field: 20 Hz to 26 GHz	EN 55022:1994 including Amendment 1:1995, Amendment 2:1997 EN 55022: 1998* including Amendment 1:2000 Amendment 2:20003 and Corrigenda 1 and 2 *includes signal lines where standard ISNs and CDNs can be used EN 55022: 2010 inc Corrigendum 2011 MP-5 1986 DEF STAN 59-41:Issue 4 Parts 3 and 4 DEF STAN 59-41:Issue 5 Part 3 DEF STAN 59-411 Part 3 Issue 3:2019 DEF STAN 59-411 Issue 2: 2014 (excluding Part 5) DG Ships 250B:1981 RTCA DO160A, B, C, D, E, G TS 1527:Issue 2 MIL STD 461A, B. C, D, E, F, G, excluding RS 105, limitations to CS115 TUV Procedure EMC TPIS-004 Eurocae ED-14G 2011 Inc Change 1 2015, Sections 15 to 25 excluding Section 20.6, 21.6, 23 and 24 but including In-House Method EMC-TP-061 CISPR 11, ed 6:2015 CISPR 11, ed 6.1:2016 CISPR 14-1: 2005 +A1: 2008 excluding use of EN 55015 & EN 61000-4-20 method J55014-1 (H27) excluding use of CISPR15 & IEC 61000-4-20 method	E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 23 & 24	**8 EMC TESTS** (cont'd) 8.3 Radiated Emissions H Field: 20 Hz to 30 MHz	AECTP-500 Edition E Version 1:2016, Excluding NRS03 – Radiated Susceptibility, Transient Electromagnetic Field DEF STAN 59-41:Issue 4: Parts 3 and 4 DEF STAN 59-411 Issue 2: 2014 (excluding Part 5) DG Ships 250B:1981 MIL STD 461A, B, C, D, E, F, G, excluding RS 105, limitations to CS115 RTCA DO160B, C, D, E, G TÜV Procedure EMC TPIS-004 Eurocae ED-14G 2011 Inc Change 1 2015, Sections 15 to 25 excluding Section 20.6, 21.6, 23 and 24 but including In-House Method EMC-TP-061 DEF STAN 59-411 Part 3 Issue 3:2019	E
	8.4 Conducted Susceptibility Power Control and Signal Lines DC to 600 MHz Bulk Current Injection CW: 50 kHz to 400 MHz Pulsed: 500 kHz to 50 MHz	AECTP-500 Edition E Version 1:2016, Excluding NRS03 – Radiated Susceptibility, Transient Electromagnetic Field BS2G100:Part 2:Section 2:1967 and Amendment 1 BS2G100:Part 2:Section 2:1972 except Compass: Safe Distance EN 61000-4-6:1996 including Amendment 1 EN 61000-4-6:2007 including Corrigendum 1:2007 EN 61000-4-6:2014 IEC 61000-4-6:ed 2:2003 including Amendment 1:2004 and Amendment 2:2006 IEC 61000-4-6:ed2.1:2004 IEC 61000-4-6:ed2.2:2006	E E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 23 & 24	**8 EMC TESTS** (cont'd)		
	8.4 Conducted Susceptibility (cont'd) Power Control and Signal Lines DC to 600 MHz Bulk Current Injection CW: 50 kHz to 400 MHz Pulsed: 500 kHz to 50 MHz	DEF STAN 59-41: (Part 3): Issue 1, Section 3:2003 DEF STAN 59-41:Issue 4 Parts 3 and 4 DEF STAN 59-41:Issue 5 Part 3 DEF STAN 59-411 Issue 2: 2014 (excluding Part 5) DG Ships 250B:1981 RTCA DO160A, B, C, D, E, G TS 1527:Issue 2 MIL STD 461A, B, C, D, E, F, G, excluding RS 105, limitations to CS115 Eurocae ED-14G 2011 Inc Change 1 2015, Sections 15 to 25 excluding Section 20.6, 21.6, 23 and 24 but including In-House Method EMC-TP-061 DEF STAN 59-411 Part 3 Issue 3:2019	E
	8.5 Fast Transients/Bursts Surge	AECTP-500 Edition E Version 1:2016, Excluding NRS03 – Radiated Susceptibility, Transient Electromagnetic Field DEF STAN 59-411 Part 3 Issue 3:2019 EN 61000-4-4:1995 EN 61000-4-5:1995 including Amendment 1:2001 EN 61000-4-5:2014 EN 61000-4-4:2004 including Amendment A1:2010 EN 61000-4-4 2012 EN 61000-4-5:2014 + A1:2017 IEC 61000-4-5:2014 + A1:2017 DEF STAN 59-41 (Part 3) Issue 1, Section:2003 DEF STAN 59-41:Issue 4 Parts 3 and 4 DEF STAN 59-41:Issue 5 Part 3 DEF STAN 59-411 Issue 2: 2014 (excluding Part 5) DG Ships 250B:1981 TS 1527:Issue 2 MIL STD 461A, B, D, E, F, G, excluding RS 105, limitations to CS115	E E E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 23 & 24	**8 EMC TESTS** (cont'd) 8.6 Radiated Immunity Electric Field (See Note 1)	AECTP-500 Edition E Version 1:2016, Excluding NRS03 – Radiated Susceptibility, Transient Electromagnetic Field DEF STAN 59-41 (Part 3) Issue 1, Section 3:2003 DEF STAN 59-41:Issue 4: Parts 3 and 4 DEF STAN 59-41:Issue 5: Part 3 DEF STAN 59-411 Issue 2: 2014 (excluding Part 5) DG Ships 250B:1981 RTCA DO160A, B, C, D, E, G MIL STD 461A, B, C, D, E, F, G, excluding RS 105, limitations to CS115 EN 61000-4-6:1996 including Amendment 1: 2001 Eurocae ED-14G 2011 Inc Change 1 2015, Sections 15 to 25 excluding Section 20.6, 21.6, 23 and 24 but including In-House Method EMC-TP-061 DEF STAN 59-411 Part 3 Issue 3:2019	E
	8.7 Radiated Immunity Magnetic Field	AECTP-500 Edition E Version 1:2016, Excluding NRS03 – Radiated Susceptibility, Transient Electromagnetic Field DEF STAN 59-41 (Part 3): Issue 1, Section 3:2003 DEF STAN 59-41:Issue 4 Parts 3 and 4 DEF STAN 59-41:Issue 5:Part 3 DEF STAN 59-411 Issue 2: 2014 (excluding Part 5) DG Ships 250B:1981 RTCA DO 160A, B, C, D, E, G TS 1527:Issue 2 MIL STD 461A, B, C, D, E, F, G, excluding RS 105, limitations to CS115 DEF STAN 59-411 Part 3 Issue 3:2019 Eurocae ED-14G 2011 Inc Change 1 2015, Sections 15 to 25 excluding Section 20.6, 21.6, 23 and 24 but including In-House Method EMC-TP-061	

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 23 & 24	**8 EMC TESTS** (cont'd)		
	8.8 ESD	AECTP-500 Edition E Version 1:2016, Excluding NRS03 – Radiated Susceptibility, Transient Electromagnetic Field IEC 60801-2:1991 DEF STAN 59-41 (Part 3) Issue 1, Section 3:2003 DEF STAN 59-41:Issue 4: Parts 3 and 4 DEF STAN 59-41:Issue 5:Part 3 DEF STAN 59-411 Issue 2: 2014 (excluding Part 5) DEF STAN 59-411 Part 3 Issue 3:2019 DG Ships 250B:1981 MIL STD 461A, B, C, D, E, F, G, exclusions to RS 105, limitations to CS115	E
	8.9 Voltage Dips, Interruptions and Variations	EN 61000-4-11:1994 plus Amendment 1:2001 IEC 61000-4-11:1994 EN IEC 61000-4-11:2020 Single phase supply <=16A Only	E
		EN 61000-4-29:2001	E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 23 & 24	**8 EMC TESTS** (cont'd)		
	8.10 Generic EMC Standards	IEC 60601-1-2:2014 A1:2020 IEC 60601-1-2:ed 3:2007 EN 60601-1-2:2007 inc Corrigendum 2010 IEC 60601-1-2:ed 4:2014 EN 60601-1-2:2015 EN 60601-1-2:2015+A1:2021 BS EN 60601-1-2:2015+A1:2021	E
	These generic and similar standards are included in this Schedule, but limited to those referenced basic standards that are listed in Sections 8.1 to 8.9 of the Schedule.	EN 61000-6-1:2001 EN 61000-6-2:2001 EN 61000-6-2:2005 AS/NZS 61000.6.2:2006 IEC 61000-6-2:ed2:2005 EN 61000-6-3:2001 EN IEC 61000-3-2:2019 EN IEC 61000-3-2:2019+A1:2021 IEC 61000-3-2:2018 EN 61000-3-3:2013+A1:2019 EN 61000-3-3:2013+A2:2021 EN 61000-4-2 :2009 EN 61000-4-4 :2012 EM61000-4-5 :2006 EN 61000-4-6 :2009 EN 61000-4-8 :2010 EN 61000-4-11 :2004 A1 :2017 EN 61000-6-1:2019 IEC 61000-6-1:2019 EN 61000-6-4:2001 EN 61000-6-4:2007 + A1 2011 AS/NZS 61000.6.4:2012 prEN 50093 (Draft) EN 50121-1:2000 EN50121-3-1:1996 EN 50121-3-1:2000 EN 50121-3-1:2006 EN 50121-3-1:2015 EN 50121-3-1:2017 ENV 50121-3-2:1996 EN 50121-3-2:2000 EN 50121-3-2:2015, excluding Table 1 row 1.2 EN 50121-3-2:2016 + A1:2019, excluding Table 1 row 1.2 EN 50121-3-2:2016, excluding Table 1 row 1.2 ENV 50121-4:1996 EN 50121-4:2000 EN 50121-5:2017+A1:2019, excluding Section 6, Table 3, 3.2 EN 50121-1:2017 EN 50121-2:2017 EN 55014-2:2015 EN 55032:2015 EN 55011:2016+A2:2021 EN 55011:2016+A11:2020 EN 55032:2015+A1:2020 EN 55035:2017 Excluding clauses 2.2 & 2.3 EN 55035:2017 + A11:2020 Excluding clauses 2.2 & 2.3	E E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 23 & 24	**8 EMC TESTS** (cont'd) 8.10 Generic EMC Standards (cont'd) These generic and similar standards are included in this Schedule, but limited to those referenced basic standards that are listed in Sections 8.1 to 8.9 of the Schedule.	CISPR 32: 2015 CISPR 32:2015 + A1:2019 CISPR 35:2016 Excludes Table 2 clauses 2.2 & 2.3 EN61000-3-3: 2013 EN 61000-6-3:2007 + A1 2011, Limited to 16A for harmonics and flicker EN IEC 61000-6-3:2021, Table 4, 4.1 and 4.2 - Single phase products drawing < 16 Amps Only. IEC 61000-6-3:2020, Table 4, 4.1 and 4.2 - Single phase products drawing < 16 Amps Only. EN 50121-4:2006 EN 50121-4:2016 EN 50121-4:2016 + A1:2019 ENV 50121-5:1996 EN 50121-5:2000 EN 12895:2000 IEC 61326-2-1:2012 EN 61326-2-1: 2013, Limited to 16A for harmonics & flicker EN IEC 61326-1:2021 Lloyd's Register LR1:2002 Lloyd's Register Type Approval System - Test Specification Number 1:2019 - Clauses 8, 9, 22, 23, 24, 25, 26, 27, 29 and 30 RTCM 11000.3 2012, excluding Annex A, Paragraph 1 only RTCM 11000.4 + A1: 2016, Annex A Paragraph 1 only EN 301 489-4: V1.3.1:2002 ANSI/AAMI/IEC 60601-1-2:2014 IEC 61097-2:2008 Clauses 5.18, 5.20 & 5.21 Only EN 61000-6-2:2019 IEC 61000-6-2:2016, voltage dips & interruptions – single phase <16A only EN 300 386:V1.3.3:2005 EN 300 386 v1.6.1.2012 Excluding Harmonics & Flicker measurements above 16 Amps EN 301 843-1:V1.3.1:2012 EN 301 843-1:V2.2.1:2017 Draft EN 301 489-1:V2.1.0:2016 Final Draft EN 301 489-1:V2.1.1:2016 EN 301 489-1 V2.2.3:2019 EN 301 489-3:V1.6.1-2013	E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Pages 23 & 24	**8 EMC TESTS** (cont'd) 8.10 Generic EMC Standards (cont'd) These generic and similar standards are included in this Schedule, but limited to those referenced basic standards that are listed in Sections 8.1 to 8.9 of the Schedule.	EN 301 489-17:V2.1.1:2009 EN 301 489-17:V2.2.1:2012 Draft EN 301 489-17:V3.1.0:2016 Final Draft EN 301 489-17:V3.1.1:2016 EN 301 489-17:V3.1.1:2017 Draft EN 301 489-17:V3.2.0:2017 Draft EN 301 489-20:V2.1.0:2017 EN 301 489-20 V2.1.1:2019 EN 301 489-23:V1.2.1:2002 EN 301 489-50:V1.2.1:2013 Draft EN 301 489-50:V2.1.0:2016 AS/NZS 4280.1: 2003 including amendments 1, 2, 3 and 4 Draft EN 301 489-50:V2.2.0:2017 EN 301 489-51 V2.1.1:2019 Draft EN 301 489-54 V0.0.5:2020 Boeing D6-16050-4 Rev F EN 55103-1:2009 + A1:2012 3GPP TS 25.113: V11.1.0:2015 3GPP TS 37.113:V11.1.0:2012 GR-1089-CORE Issue 3: 2002 ICES-003 Issue 7: 2020 CISPR 22, ed 5.2:2006 CAN/CSA C22.2 No.60601-1-2:2016	E E E

Note 1:
No Radiated Susceptibility testing shall be undertaken for any commercial or military specification where this would contravene the Wireless Telegraphy Act or other local regulations. This also applies to Conducted Susceptibility tests, where the combination of the level of injection and the length of cables is likely to result in contravention of the Act.

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Manufacturers' Sites Products Tested: Radio Transmitters Cellular Base Stations Aeronautical Transmitting Equipment Marine Navigation Systems	**9 RADIO TESTS** Transmission Modulation Phase Error Mean Frequency Error Transmitter Power Transmitter Power/Time Characteristics Adjacent Channel Power Switching Transient Spectrum Transmitter Spurious Emissions Intermodulation Attenuation Static Reference Sensitivity, Blocking Receiver Spurious Response, Rejection Spurious Emissions Receiver Duplex Operation	EN 300 328 V2.2.2:2019 EN 300 338-1:V1.4.1:2017, excluding sound pressure level testing EN 300 338-2:V1.4.1:2017, excluding sound pressure level testing EN 300 338-3:V1.2.1:2017, excluding sound pressure level testing EN 300 338-5:V1.2.1:2017, excluding sound pressure level testing EN 300 373-1:V1.4.1:2013 EN 300 373-2:V1.2.1:2009 EN 300 373-3:V1.2.1:2009 EN 300 440 V2.2.1:2018 Excluding >20 GHz fundamental frequency EN 301 033:V1.4.1:2013	E E E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
As listed on Page 59	**9 RADIO TESTS** (cont'd)	EN 301 893:V2.1.1:2017 EN 301 893 V2.2.1:2024	E
		EN 301 908-3 V13.1.1:2019 EN 301 908-15 V11.1.2:2017 EN 301 908-15 V15.1.1:2020 EN 301 908-18 V15.1.1:2021 EN 301 908-11 V11.1.2:2017	E
		EN 302 502:V2.1.1:2017	
		ANSI C63.26:2015, excluding radiated emissions >40 GHz IEC 60945:2002 inc. Corrigendum 1: 2008, Clauses 5.2.3, 7.1, 7.2, 8.2, 8.3, 8.4, 8.6, 8.7 and 8.8	
		C-IS2035-0:2002 and 2007	
		ICES-003, Issue 7: 2020 EN 303 413:V1.1.1:2017 EN 301 502:V12.5.2:2017	
		EN 301 908-14 V13.1.1:2019 EN 301 908-14 V15.1.1:2021	E
		Draft EN 301 908-24 V15.0.0:2022 EN 301 908-24 V15.1.1:2023 Draft EN 301 908-23 V15.1.1 0.0.15:2022 EN 301 908-23 V15.1.1:2023 Draft EN 301 908-23 V15.0.0:2022	E E E E E
		Draft EN 301 908-24 V15.1.1 0.0.5;2020 EN 302 217-2-2:V2.2.1:2014, clauses 5.2.1, 5.2.4, 5.2.5, 5.2.7, 5.2.8 & 5.3.2 EN 303 609 V12.5.1:2016	E E E
		3GPP TS 25.141 V16.0.0:2018 3GPP TS 25.141 V17.0.0:2022	E E
		3GPP TS 25.143 V17.0.0:2022 3GPP TS 36.141 V16.9.0:2021 3GPP TS 36.141 V18.2.0:2023 3GPP TS 36.143 V17.0.0:2022 3GPP TS 37.141 V16.9.0:2021 3GPP TS 37.141 V18.2.0:2023 3GPP TS 37.141 V18.5.0:2024 3GPP TS 37.141 V18.6.0:2024 3GPP TS 37.145-1 V16.6.0:2021 3GPP TS 37.145-1 V18.2.0:2023 3GPP TS 37.145-2 V16.7.0:2021 3GPP TS 37.145-2 V18.2.0:2023 3GPP TS 38.141-1 V16.7.0:2021 3GPP TS 38.141-2 V16.7.0:2021 3GPP TS 38.141-1 V18.2.0:2023 3GPP TS 38.141-1 V18.9.0:2025 3GPP TS 38.141-2 V18.2.0:2023 3GPP TS 38.115-1 V17.2.0:2023	E E E E E E E E E E E E E E E E E E
		3GPP TS 51.021 V16.0.0:2020 3GPP TS 51.026 V12.0.0:2014	E
		ICES-003 Issue 7: 2020	E

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	9 RADIO TESTS (cont'd)		
Licensed Low-Power Radio Apparatus	Conducted and Radiated Tests 9 kHz to 40 GHz		
Land Mobile and Fixed Radio Transmitters and Receivers 1.705 to 50.0 MHz, Primarily Amplitude Modulated	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-125 Issue 2, Revision 1, March 2000	A
Wireless Power Transfer Devices	Conducted and Radiated Tests 9 kHz to 200 GHz	RSS-216 Issue 2, January 2016 Amendment 1 (September 2020)	A, G
White Space Devices (WSDs)	Conducted and Radiated Tests 9 kHz to 40 GHz		
General Radio Service Equipment Operating in the Band 26.960 to 27.410 MHz (Citizens Band)	Conducted and Radiated Tests 9 kHz to 40 GHz		

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Marine Equipment	**10 TESTS ON MARINE EQUIPMENT**	IEC 60945:2002 inc. Corrigendum 1: 2008, Clauses 5.2.3, 7.1, 7.2, 8.2, 8.3, 8.4, 8.6, 8.7 and 8.8	E
		ISO 9875:2000 Accreditation for these specifications only applies when testing is performed at UKAS approved site	E
		IEC 62287-1:2017 EN 62287-1:2017	A A
		IEC 62287-2:2017 EN 62287-2:2017	A A
		IEC 61993-2:2018 EN 61097-14:2010	A A
		EN 62320-1:2015 IEC 62320-1:2015	 A
		IEC 62320-2:2016 EN 62320-2:2017 EN 62320-3:2015 IEC 62320-3:2015	A
		EN/IEC 62388:2013 inc. Corrigendum 1:2014, Excluding clauses 6.2 (direct method) to 6.11, clauses 15.5.2, 15.8 and Annex B	A
		EN/IEC 62388:2013, inc. Corrigendum 1:2014, Excluding clauses 15.8.3, 6.2.1.2, 15,5,2 and Annex B using the direct method	E
		CCNR Ed 2.0:2012	A
		IEC 61162-1:2016 EN 61162-1:2016 IEC 61162-2:1998 EN 61162-2:1999	A A A A
		EN 61174: 2015 IEC 61174:2015	
		EN/IEC 61162-450:2018 IEC 62238, Ed 1:2003 IEC 61097-12:1996 + Amd 1:2017 IEC 61097-12:1996 + Amd 2:2023 IEC 61097-2:2008, Clause 5, Annex B & D BS IEC 61097-2:2021, Clauses 4.3.4.4, 6.3.4.1, 6.14.1, 6.19, A.1.11, A.1.15 Annex B, Annex D and Annex E	A A, E A A A A A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Marine Equipment (cont'd)	**10 TESTS ON MARINE EQUIPMENT** (cont'd)	IEC 61108-1:2003 clause 5.6 excluding clauses 5.6.4.1.2, 5.6.4.3.2, 5.6.11, and 5.6.12	A
		EN 61108-3:2010, Excluding clauses 5.6.4.2.3, 5.6.4.4.2, 5.6.11, , 5.6.12, 5.6.12.1.4	A
		EN 303 135:V2.1.1:2016	
		EN 303 098:V2.1.1:2016	
		EN 303 098 V2.2.1:2019, Clause 4 –General	A
		Requirements and Clause 9 –VDL Link Layer Tests Only	A
		EN 302 248 V2.1.1:2016, Clauses 6.6 to 6.9 only	
		RTCM 11010.2 June 2012	
		RTCM 11010.2 June 2014	
		RTCM 11010.2 July 2016	
		RTCM 11010.2 (RTCM Paper 189-2010/SC110-STD clauses A12, A14, A16 & A20	A
		RTCM 11000.4:2016, including Amendment 1	
		RTCM 11000.5:2021, With Amendment 1 2022, Excluding Second Generation Beacons	
		RTCM 11901.1:2012, including Amendment 1:2014 & Amendment 2:2015	
		RTCM 11010.3 June:2018, Clauses A.12, A13, A,16, A.20, Annex D and Annex G	
		EN 302 248 V2.1.1:2016 Clauses 6.2 to 6.5 conducted methods only	
		EN 302 194-1:V1.1.2:2006, Clauses 7.9.2, 7.9.3 only	A
		NSS PLB06 clauses 4.1, 4.2, 4.3, 4.5 and 4.6	
		AS/NZS 4280.1:2017 including Amendment 1, Clause 5, Annex B and D	A
		AS/NZS 4280.1:2022	A
		AS/NZS 4280.2:2017	
		AS/NZS 4280.2:2023	A
		AS/NZS 4415.1:2003, including Amendment 1:2004, excluding clause 5.5.14	A
		AS/NZS 4415.2:2003, including Amendment 1, excluding clauses 5.1, 5.3 and 5.5	A
		EN/IEC 62923-1:2018	A, E
		EN/IEC 62923-2:2018	A, E
	Navigational displays Screen arrangement, readability, colour, symbols, chart and RADAR presentation and brightness	IEC 62288:2014 (Excluding clause 7.2.3 Temporal stability)	A, E
		BS EN IEC 62288:2022, Excluding clause 7.2.3 Temporal stability	A, E
END			

DETAIL OF ACCREDITATION - FCC

Note: TÜV SÜD Product Service's Flexible scope does not apply to the following activities.

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
UNINTENTIONAL RADIATORS FCC Part 15, subpart B	Radiated Emissions 9 kHz to 40 GHz Conducted Emissions 9 kHz to 30 MHz	ANSI C63.4-2014 ANSI C63.4a:2017	A, B, G
INDUSTRIAL, SCIENTIFIC AND MEDICAL EQUIPMENT Consumer ISM Equipment FCC Part 18	Radiated Emissions 9 kHz to 40 GHz Conducted Emissions 9 kHz to 30 MHz	FCC MP-5 (February 1986),	A, B
INTENTIONAL RADIATORS FCC Part 15, subpart C	Radiated Tests 9 kHz to 220 GHz Conducted Tests 9 kHz to 220 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 ANSI C63.10-2020 ANSI C63.10a-2024	A, B, G
UNLICENSED PERSONAL COMMUNICATION SYSTEMS DEVICES. FCC Part 15, Subpart D	Radiated Tests 9 kHz to 40 GHz Conducted Tests 9 kHz to 40 GHz Radio tests as per standard.	ANSI C63.17-2013	A
UNLICENSED NATIONAL INFORMATION INFRASTRUCTURE DEVICES WITHOUT DFS (INTENTIONAL RADIATORS) FCC Part 15, Subpart E	Radiated Tests 9 kHz to 40 GHz Conducted Tests 9 kHz to 40 GHz Radio tests as per standard.	ANSI C63.10-2013 ANSI C63.10-2020 ANSI C63.10a-2024 KDB Publication 789033	B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
UNLICENSED NATIONAL INFORMATION INFRASTRUCTURE (U-NII) DEVICES WITH DYNAMIC FREQUENCY SELECTION (DFS) FCC Part 15 Subpart E	Radiated Tests 9 kHz to 40 GHz Conducted Tests 9 kHz to 40 GHz Radio tests as per standard. DFS tests per new rules.	ANSI C63.10-2013 ANSI C63.10-2020 ANSI C63.10a-2024 FCC KDB Publication 905462 D02 UNII DFS Compliance Procedures New Rules v02 (April 8, 2016)	A, G
ULTRA-WIDEBAND OPERATION INTENTIONAL RADIATORS FCC Part 15, Subpart F	Radiated Tests 9 kHz to 40 GHz Conducted Tests 9 kHz to 40 GHz Radio tests as per standard.	ANSI C63.10-2013 ANSI C63.10-2020 ANSI C63.10a-2024	A
ACCESS BROADBAND OVER POWER LINE (ACCESS BPL) FCC Part 15, Subpart G	Radiated Tests 9 kHz to 40 GHz Conducted Tests 9 kHz to 40 GHz Radio tests as per standard.	ANSI C63.10-2013 ANSI C63.10-2020 ANSI C63.10a-2024	A
WHITE SPACE DEVICE INTENTIONAL RADIATORS FCC Part 15, Subpart H	Radiated Tests 9 kHz to 40 GHz Conducted Tests 9 kHz to 40 GHz Radio tests as per standard.	ANSI C63.10-2013 ANSI C63.10-2020 ANSI C63.10a-2024	A
COMMERCIAL MOBILE SERVICES (FCC LICENSED RADIO SERVICE EQUIPMENT) FCC Part 22 (cellular) FCC Part 24 FCC Part 25 (non-microwave) FCC Part 27	Radiated Tests 9 kHz to 40 GHz Conducted Tests 9 kHz to 40 GHz Radio tests as per standard.	ANSI/TIA-603-E:2016 ANSI C63.26:2015 KDB Publication 971168	A
GENERAL MOBILE RADIO SERVICES (FCC LICENSED RADIO SERVICE EQUIPMENT) FCC Part 22 (non-cellular) FCC Part 90 (non-microwave) FCC Part 95 FCC Part 97 FCC Part 101 (non-microwave)	Radiated Tests 9 kHz to 220 GHz Conducted Tests 9 kHz to 220 GHz Radio tests as per standard.	ANSI/TIA-603-E:2016 ANSI C63.26:2015	A

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
CITIZENS BROADBAND RADIO SERVICES (FCC LICENSED RADIO SERVICE EQUIPMENT) FCC Part 96	Radiated Tests 9 kHz to 40 GHz Conducted Tests 9 kHz to 40 GHz Radio tests as per standard.	ANSI/TIA-603-E:2016 ANSI C63.26:2015 KDB Publication 971168 & 940660	A
MARITIME AND AVIATION RADIO SERVICES (FCC LICENSED RADIO SERVICE EQUIPMENT) FCC Part 80 FCC Part 87	Radiated Tests 9 kHz to 40 GHz Conducted Tests 9 kHz to 40 GHz Radio tests as per standard.	ANSI/TIA-603-E:2016 ANSI C63.26:2015	A
MICROWAVE AND MILLIMETRE BANDS RADIO SERVICES (FCC LICENSED RADIO SERVICE EQUIPMENT) FCC Part 25 FCC Part 74 FCC Part 90 (90Y, 90Z, DSRC) FCC Part 101	Radiated Tests 9 kHz to 40 GHz Conducted Tests 9 kHz to 40 GHz Radio tests as per standard.	ANSI/TIA-603-E:2016 ANSI C63.26:2015 KDB Publication 653005	A
BROADCAST RADIO SERVICES (FCC LICENSED RADIO SERVICE EQUIPMENT) FCC Part 73 FCC Part 74 (non-microwave)	Radiated Tests 9 kHz to 40 GHz Conducted Tests 9 kHz to 40 GHz Radio tests as per standard.	ANSI/TIA-603-E:2016 ANSI C63.26:2015	A
RF EXPOSURE Devices subject to SAR Requirements	Specific Absorption Rate 30MHz to 7125MHz Using the DASY 6 systems 5925 to 7125 MHz	IEEE Std 1528™-2013 KDB Publication 865664 KDB Publication 447498 CFR 47 Part 2.1093 (Absorbed Power Density)	A, G A, G

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
SIGNAL BOOSTERS Wideband Consumer signal boosters Provider-specific signal boosters Industrial signal boosters FCC Part 20 FCC Part 90.2019	Tests as per KDB Frequency Bands Self-monitoring Noise Limits, Power Limits Bidirectional Capability Booster Gain Limits, Gain Control Transmit Power Off Mode Out of Band Emission Limits Intermodulation Limits Booster Antenna Kitting Uplink Inactivity Anti-Oscillation Occupied bandwidth Spurious emissions	FCC KDB Publication 935210 D03 Signal Booster Measurements (v04 r04 FCC KDB Publication 935210 D04 Provider Specific Booster Measurements (v02r04) FCC KDB Publication 935210 D05 Indus Booster Basic Measurements (v01r04)	A
END			

Canadian MRA - ISED Scope of Accreditation			
Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
General Requirements for Compliance of Radio Apparatus	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-Gen Issue 5: April 2018 + Amd 2 February 2021 ANSI C63.4:2014 ANSI C63.4a :2017 ANSI C63.10:2013 ANSI C63.10:2020 ANSI C63.10a-2024 ANSI C63.17:2013 ANSI C63.26:2015	A, B, G A, B, G A, B, G A, B, G A, B A, B A, B A, B
Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus	RF Exposure Evaluation (Measurement) 3 kHz to 300 GHz	RSS-102 Issue 6, December 2023	A, G
Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus	SAR Evaluation (Measurement) 4 MHz – 7125 GHz	RSS-102 Issue 6, December 2023 RSS-102.SAR.MEAS Issue 2, August 2025 IEC/IEEE 62209-1528: 2020	A, G
Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus	RF Exposure (Measurement) Nerve Stimulation 3 kHz – 10 MHz	RSS-102 Issue 6, December 2023 RSS-102.NS.MEAS Issue 1, 15 December 2023	A
Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus	RF Exposure (Measurement) Incident Power Density 6 GHz – 300 GHz	RSS-102 Issue 6, December 2023 RSS-102.IPD.MEAS Issue 2, September 2025	A, G
Broadband Public Safety Equipment Operating in the Band 4940-4990 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-111 Issue 5, September 2014	A
Land Mobile and Fixed Equipment Operating in the Band 1670-1675 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-112 Issue 1, February 2008	A
Land and Coast Station Transmitters Operating in the Band 200-535 kHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-117 Issue 3, January 2016, Amendment 1 - June 2021	A
Land Mobile and Fixed Equipment Operating in the Frequency Range 7.41-960 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-119 Issue 12, May 2015	A
Air-Ground Equipment Operating in the Bands 849-851 MHz and 894-896 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-127 Issue 1, August 2009	A

Canadian MRA - ISED Scope of Accreditation

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Equipment Operating in the Frequency Bands 617-652 MHz, 663-698 MHz, 698-756 MHz and 777-787 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-130 Issue 2, February 2019	A
Zone Enhancers	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-131 Issue 4, December 2022	A
Cellular Telephone Systems Operating in the Bands 824-849 MHz and 869-894 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-132 Issue 4, Updated January 2023	A
2 GHz Personal Communications Services	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-133 Issue 7, July 2024	A
Digital Scanner Receivers	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-135 Issue 2, June 2009	A
Location and Monitoring Service in the Band 902-928 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-137 Issue 2, February 2009	A
Advanced Wireless Services Equipment Operating in the Bands 1710-1780 MHz and 2110-2200 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-139 Issue 4 September 2022	A
Equipment Operating in the Public Safety Broadband Frequency Bands 758 768 MHz and 788 798 MHz	Conducted and Radiated Tests 30 MHz to 10 GHz	RSS-140 Issue 1, April 2018	A
Aeronautical Radiocommunication Equipment in the Frequency Band 117.975-137 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-141 Issue 2, June 2010	A
Narrowband Multipoint Communication Systems in the Bands 1429.5-1432 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-142 Issue 5, April 2013	A
Mobile Earth Stations (MESs) and Ancillary Terrestrial Component (ATC) Equipment Operating in the Mobile-Satellite Service (MSS) Bands	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-170 Issue 4, September 2022	A

Canadian MRA - ISED Scope of Accreditation

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Coast and Ship Station Single Sideband Radiotelephone Transmitters and Receivers Operating in the 1 605-28 000 kHz Band	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-181 Issue 2, August 2019	A
Maritime Radio Transmitters and Receivers in the Band 156-162.5 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-182 Issue 6, June 2021	A
Local Multipoint Communication Systems in the Band 25.35-28.35 GHz; Point-to-Point and Point-to-Multipoint Broadband Communication Systems in the Bands 24.25-24.45 GHz and 25.05-25.25 GHz; and Point-to-Multipoint Broadband Communications in the Band 38.6-40.0 GHz	Conducted and Radiated Tests 9 kHz to 200 GHz	RSS-191 Issue 3, April 2008	A
Flexible Use Broadband Equipment Operating in the Band 3450-3900 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-192 Issue 5, July 2023	A
Fixed Wireless Access Equipment Operating in the Band 953-960 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-194 Issue 1, October 2007	A
Wireless Communications Service Equipment Operating in the Bands 2305-2320 MHz and 2345-2360 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-195 Issue 2, April 2014	A
Point-to-Multipoint Broadband Equipment Operating in the Band 512-608 MHz for Rural Remote Broadband Systems (RRBS) (TV Channels 21 to 36)	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-196 Issue 2, February 2019	A
Wireless Broadband Access Equipment Operating in the Band 3650-3700 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-197 Issue 1, February 2010	A
Flexible Use Broadband Equipment operating in the band 3900-3980 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-198 Issue 1, August 2023	A

Canadian MRA - ISED Scope of Accreditation

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Broadband Radio Service (BRS) Equipment Operating in the Band 2500-2690 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-199 Issue 4, 20th July 2023	A
Licence-Exempt Radio Apparatus: Category I Equipment	Conducted and Radiated Tests 9 kHz to 200 GHz	RSS-210 Issue 11, June 2024 -	A
Level Probing Radar Equipment	Conducted and Radiated Tests 9 kHz to 200 GHz	RSS-211 Issue 1, March 2015	A
2 GHz Licence-Exempt Personal Communications Services (LE-PCS) Devices	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-213 Issue 3, March 2015	A
Analogue Scanner Receivers	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-215 Issue 2, June 2009	A
Ultra-Wideband (UWB) Technology	Conducted and Radiated Tests 9 kHz to 100 GHz	RSS-220 Issue 1, March 2009 (Amendment July 2018)	A
Shipborne Radar in the 2900-3100 MHz and 9225-9500 MHz Bands	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-238 Issue 1, July 2013	A
Active Medical Implants Operating in the 401-406 MHz Band	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-243 Issue 3, February 2010	A
Medical Devices Operating in the Band 413-457 MHz	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-244 Issue 1, June 2013	A
Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices	Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-247 Issue 4, July 2025	A, B, G
Radio Local Area Network (RLAN) Devices in the 5925-7125 MHz Band	Technical and operational requirements (section 4) Conducted and Radiated Tests 9 kHz to 40 GHz	RSS-248 Issue 3, October 2024,	A, G
Field Disturbance Sensors in the Bands 46.7-46.9 GHz (Vehicular Radar) and 76-77 GHz (Vehicular and Airport Fixed Radar)	Conducted and Radiated Tests 9 kHz to 162 GHz	RSS-251 Issue 2, July 2018	A

Canadian MRA - ISED Scope of Accreditation

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Emergency Position Indicating Radio Beacons (EPIRB), Emergency Locator Transmitters (ELT), Personal Locator Beacons (PLB), and Maritime Survivor Locator Devices (MSLD)	Conducted and Radiated Tests 9 kHz to 110 GHz	RSS-287 Issue 3, April 2024	A
Global Maritime Distress and Safety System (GMDSS)	Conducted and Radiated Tests 9 kHz to 110 GHz	RSS-288 Issue 1, January 2012	A
Licence-Exempt Radio Apparatus: Category II Equipment	Conducted and Radiated Tests 9 kHz to 110 GHz	RSS-310 Issue 5, January 2020	A
Information Technology Equipment and Digital Apparatus	Conducted and Radiated Tests 9 kHz to 18 GHz	ICES-003 Issue 7:2020	A, B, E
END			