


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

|   |  |  |
|---|--|--|
| <br><b>4416</b><br><b>Accredited to<br/>ISO/IEC 17025:2017</b> | <b>Electromagnetic Testing Services Ltd</b>  |  |
|   | <b>Issue No: 016</b> <b>Issue date: 06 June 2025</b>   |  |
|   | <b>Pratts Fields</b><br><b>Lubberhedges Lane</b><br><b>Stebbing</b><br><b>Dunmow</b><br><b>Essex</b><br><b>CM6 3BT</b> | <b>Contact: Mr Conan Smith</b><br><b>Tel: +44 (0)1371 856061</b><br><b>Fax: +44 (0)1371 856144</b><br><b>E-Mail: info@etsemc.co.uk</b><br><b>Website: www.etsemc.co.uk</b> |
| <b>Testing performed at the above address only</b>  |  |  |

### DETAIL OF ACCREDITATION

#### Flexible Scope

The laboratory is accredited for the use of a Flexible Scope for testing activities in the area(s) of EMC (Commercial and Automotive).

This may include tests on the same or similar product types, against standards or customer-specified methods that are not specifically listed in this Schedule for EMC testing, providing that:

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

Information about Flexible Scopes of accreditation is available in UKAS document GEN 4 publicly available from the UKAS website.

| Materials/Products tested   | Type of test/Properties measured/Range of measurement                | Standard specifications/ Equipment/Techniques used  |
|---|--|---|
| Electrical Electronic Components<br>Electrical Electronic Products<br>Electro Mechanical Devices<br>IT Equipment<br>Industrial Equipment<br>Scientific Equipment<br>Certain Medical Equipment | <b>Section 1 Commercial EMC</b>                                      |   |
|   | 1.1 Conducted emissions<br>9 kHz to 30 MHz                           | EN 55022:2006<br>EN 55022:2006 + A1<br>EN 55022:2010<br>EN 55011:2007<br>EN 55011:2009 + A1<br>EN 55011:2016<br>EN 55032:2015 |
|   | 1.2 Conducted Emissions<br>Discontinuous (Clicks)<br>9 kHz to 30 MHz | EN 55014-1:2006 + A1:2009 + A2:2011   |
|   | 1.3 Radiated emissions<br>30 MHz to 18 GHz                           | EN 55022:2006<br>EN 55022:2006 + A1<br>EN 55022:2010<br>EN 55011:2007<br>EN 55011:2009 + A1<br>EN 55011:2016<br>EN 55032:2015 |



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|---|---|---|
| Electrical Electronic Components<br>Electrical Electronic Products<br>Electro Mechanical Devices<br>IT Equipment<br>Industrial Equipment<br>Scientific Equipment<br>Certain Medical Equipment<br>(cont'd) | <b>Section 1 Commercial EMC</b><br>(cont'd)<br><br>1.4 ESD<br>Up to 30 kV                             | EN 61000-4-2:1995<br>EN 61000-4-2:1995 + A1 + A2<br>EN 61000-4-2:2009 |
|   | 1.5 Radiated Immunity tests<br>80 MHz to 6 GHz<br>20 V/m<br>35 V/m over smaller area<br>0.5 m * 0.5 m | EN 61000-4-3:2006 + A1:2008 + A2:2010                                 |
|   | 1.6 Electrical Fast Transient and Bursts<br>250 V to 4800 V   | EN 61000-4-4:2004<br>EN 61000-4-4:2012                                |
|   | 1.7 Surge<br>250 V to 6000 V  | EN 61000-4-5:1995<br>EN 61000-4-5:2006<br>EN 61000-4-5:2014           |
|   | 1.8 Conducted Immunity<br>150kHz to 230 MHz   | EN 61000-4-6:2006<br>EN 61000-4-6:2009<br>EN 61000-4-6:2014           |
|   | 1.9 Power Frequency Magnetic Fields<br>Up to 300 A/m  | EN 61000-4-8:1993   |
|   | 1.10 Pulse Magnetic Field<br>Up to 1200 A/m   | EN 61000-4-9:1994   |
|   | 1.11 Voltage Dips and Interrupts  | EN 61000-4-11:2004  |
|   | 1.12 Power Frequency Harmonics<br>Single phase up to 16 A   | EN 61000-3-2:2006+A1+A2<br>EN 61000-3-2:2014                          |
|   | 1.13 Flicker<br>Single phase up to 16 A   | EN 61000-3-3:2008<br>EN 61000-3-3:2013                                |



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| Automotive ESA            | <b>Section 2 Automotive EMC</b>   |  |
|                           | 2.1 Conducted emissions<br>150 kHz to 108 MHz   | CISPR 25:2002 + Corr:2004  |
|                           | 2.2 Radiated emissions<br>30 MHz to 1000 MHz  | CISPR 25:2002 + Corr:2004  |
|                           | 2.3 Transient emissions<br>Conducted emissions on supply lines  | UNECE Reg 10.5<br>ISO 7637-2:2004 + A1:2008  |
|                           | 2.4 Automotive Conducted Immunity - BCI<br>1 to 400 MHz<br>Up to 100mA  | ISO 11452-4:2005   |
|                           | 2.5 Transient Immunity<br>Conducted immunity on supply lines  | UNECE Reg 10.5<br>ISO 7637-2:2004 + A1:2008  |
|                           | 2.6 Radiated Immunity<br>Absorption Chamber<br>20 MHz to 2 GHz<br>30 V/m  | ISO 11452-2:2004<br>Substitution method<br><br>UN Reg 10.05  |
|                           | 3.0 Generic and Product Specific<br><br>These standards are covered to the extent that the basic standards are covered in the above sections. | EN 61000-6-1:2007<br>EN 61000-6-2:2005<br>EN 61000-6-3:2007 + A1:2011<br>EN 61000-6-4:2007 + A1:2011<br>EN 60601-1-2:2007<br>EN 60601-1-2:2015<br>EN 61326-1:2013<br>EN 61326-2-6:2013<br><br>EN 50121-3-2:2006<br>EN 50121-3-2:2016EN 301489-1 V1.9.2 |



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| <b>FCC Scope of Accreditation</b><br><br>Unintentional Radiators | Radiated Emissions<br>9 kHz to 40 GHz<br><br>Conducted Emissions<br>9 kHz to 30 MHz  | ANSI C63.4-2014<br>FCC CFR 47 Part 15 B<br><br>ANSI C63.4-2014<br>FCC CFR 47 Part 15 B                 |
| Consumer ISM Equipment   | Radiated Emissions<br>9 kHz to 40 GHz<br><br>Conducted Emissions<br>9 kHz to 30 MHz<br><br>Facilities:<br><br>OATS 3 m & 10 m Test distance<br>GRP 20 m * 11 m<br>1.2 m Turntable<br>2 Tons<br><br>240 V single phase 50 Hz 20 A<br>415 V three phase 50 Hz 100 A per<br>115 V single phase 60 Hz 40 A<br><br>SAC 1 m & 3 m Test distance<br>5.5 m * 8.9 m * 6 m<br>2.0 m Turntable<br><br>240 V single phase 50 Hz 20 A<br>415 V three phase 50 Hz 20 A per<br>115 V single phase 60 Hz 40 A<br><br>Assorted Screen rooms various sizes | FCC MP-5 (February 1986),<br>FCC CFR 47 Part 18<br><br>FCC MP-5 (February 1986),<br>FCC CFR 47 Part 18 |
| END  |  |  |