


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

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| <br><b>2360</b><br>Accredited to<br><b>ISO/IEC 17025:2017</b> | <b>RN Electronics Ltd</b>  |  |
|  | <b>Issue No: 067    Issue date: 28 November 2022</b>   |  |
|  | <b>Arnolds Court</b><br><b>Arnolds Farm Lane</b><br><b>Mountnessing</b><br><b>Brentwood</b><br><b>Essex</b><br><b>CM13 1UT</b> | <b>Contact: Clint Hilling</b><br><b>Tel: +44 (0) 1277 352 219</b><br><b>E-Mail: <a href="mailto:clint@RNelectronics.com">clint@RNelectronics.com</a></b><br><b>Website: <a href="http://www.RNelectronics.com">www.RNelectronics.com</a></b> |
| <b>Testing performed at the above address only</b>   |  |  |

### Flexible Scope

The Flexible Scope applies to the laboratory's accreditation to ISO/IEC17025:2017 for testing activities in accordance with the standards listed in the schedule for EMC and Radio. This may also include tests on the same or similar product types against standards, or customer-specified methods, that are not specifically listed in this Schedule, providing that:

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

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



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DETAIL OF ACCREDITATION

| Materials/Products tested  | Type of test/Properties measured/Range of measurement   | Standard specifications/ Equipment/Techniques used   |
|--|---|--|
| Computers and Peripherals<br>Domestic Appliances:<br>Electrical<br>Electrical/Electronic Products<br>Electronic Products: Digital<br>Electro-Mechanical Devices<br><br>ISM Equipment<br>IT Equipment<br>Laboratory Equipment<br>Medical/Dental Equipment<br><br>Office Equipment: Electrical<br>Security Equipment<br>Telecommunications<br>Equipment<br>Welding Equipment | <b>1.1 CIVIL EMC TESTS</b><br><br>1.1.1 Conducted Emissions<br>9 kHz to 30 MHz                  | CISPR 22:2005 + A1 and A2<br>(Edition 5.2)<br>EN 55016-2-1:2004 + A1:2005<br>EN 55016-2-1:2009 + A1:2011<br>EN 55016-2-1:2014 + A1:2017<br>EN 55011:1998 + A1:1999 + A2:2002<br><br>EN 55011:2007 + A2:2007<br>EN 55011-2009+ A1:2010<br>EN 55011:2016 + A1:2017 + A11:2020<br>+ A2:2021<br><br>EN 55014-1:2006 + A1:2009<br>EN 55014-1:2006 + A1:2009 & A2<br>2011<br>EN 55014-1:2017 + A11:2020<br>CISPR 22:1997<br>EN 55022:1998+A1:2000 and A2:2003<br>EN 55022:2006+ A1:2007<br>EN 55022:2010<br>EN 55032:2012<br>EN 55032:2015<br>EN 55032:2015 + A11:2020<br>ANSI C63.4:2003<br>ANSI C63.4:2009<br>ANSI C63.4:2014 including<br>Amendment C63.4a-2017<br>FCC CFR 47: Part 15B<br>FCC CFR 47: Part 18<br>FCC/OST MP5:1986<br>ICES-003:2012<br>ICES-003:2016<br>ICES-003:2020 |
|  | 1.1.2 Signal Line Conducted<br>Emissions<br>150 kHz to 30 MHz<br><br>Signal lines/DC in and out | EN 55022:1998 including<br>Amendment A1:2000 + A2:2003<br>(limited to where standard ISN's<br>and CDN's can be used)<br>EN 55022:2006 + A1:2007<br>EN 55022:2010<br>EN 55032:2012<br>EN 55032:2015<br>EN 55032:2015 + A11:2020   |



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| As listed on Page 2       | <p><b>1.1 CIVIL EMC TESTS (cont'd)</b></p> <p>1.1.3 Radiated Emissions<br/>9 kHz to 40 GHz</p>            | <p>EN 55016-2-3:2004 + A1:2005 &amp; A2:2005<br/>EN 55016-2-3:2006<br/>EN 55016-2-3:2010 + A1:2010 + A2:2014<br/>EN 55016-2-3: 2017<br/>EN 55011:1998 + A1:1999 + A2:2002<br/>EN 55011:2007 + A2:2007<br/>EN 55011-2009 + A1:2010<br/>EN 55011:2016 + A1:2017 + A11:2020 + A2:2021<br/>EN 55014-1:2006 + A1:2009 + A2:2011<br/>EN 55014-1:2017 + A11:2020<br/>EN 55022:1998 + A1:2000 + A2:2003</p> <p>EN 55022:2006 + A1:2007<br/>EN 55022:2010<br/>EN 55032:2012<br/>EN 55032:2015<br/>EN 55032:2015 + A11:2020<br/>ANSI C63.4:2003<br/>ANSI C63.4:2009<br/>ANSI C63.4:2014 including Amendment C63.4a-2017<br/>FCC CFR 47: Part 15B<br/>FCC CFR 47: Part 18<br/>FCC/OST MP5:1986<br/>ICES-003:2012<br/>ICES-003:2016<br/>ICES-003:2020</p> |
|                           | <p>1.1.4 Harmonics (Emissions):<br/>Conducted Current Measurements up to the 40<sup>th</sup> Harmonic</p> | <p>EN 61000-3-2:2000<br/>EN 61000-3-2:2006<br/>Amendment A1:2009 &amp; A2:2009<br/>EN 61000-3-2:2014<br/>EN 61000-3-2:2019</p>  |
|                           | <p>1.1.5 Flicker (Emissions)<br/>Conducted AC Mains</p>   | <p>EN 61000-3-3:1995 incl. Amendment A1:2001 &amp; A2:2006<br/>EN 61000-3-3:2008<br/>EN 61000-3-3:2013<br/>EN 61000-3-3:2013 + A1:2019</p>  |



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| As listed on Page 2  | <b>1.1 CIVIL EMC TESTS (cont'd)</b>  |   |
|  | 1.1.6 Power Absorbing Emissions Measurements (Power Clamp) 30 MHz to 1 GHz | EN 55014-1:2006 + A1:2009<br>EN 55014-1:2006 + A1:2009 + A2:2011 2011<br>EN 55014-1:2017 + A11:2020             |
|  | 1.1.7 Electrostatic Discharge Immunity (ESD): Up to 15 kV                  | IEC 801-2:1991<br>EN 61000-4-2:1995 + 1:1998 and 2:2001<br>EN 61000-4-2:2009                                    |
|  | 1.1.8 Radiated Electromagnetic Field Immunity: 80 MHz to 6 GHz             | EN 61000-4-3:1996 + A1:1998 and A2:2001<br>EN 61000-4-3:2002 + A1:2002<br>EN 61000-4-3:2006 + A1:2008 + A2:2010 |
|  | 1.1.9 Fast Transient/Burst Immunity: 0.25 kV to 4.0 kV                     | IEC 801-4:1988<br>EN 61000-4-4:1995 + A1:2001+ A2:2001<br>EN 61000-4-4:2004 + A1<br>EN 61000-4-4:2012           |
|  | 1.1.10 Surge Immunity<br><br>Waveforms:<br>0.2 kV to 4.4 kV                | EN 61000-4-5:1995 + A1:2001<br>EN 61000-4-5:2006<br>EN 61000-4-5:2014<br>EN 61000-4-5:2014 + A1:2017            |
|  | 1.1.11 Conducted RF Immunity: 150 kHz to 230 MHz up to 10 V rms            | EN 61000-4-6:1996 + A1:2001<br>EN 61000-4-6:2007<br>EN 61000-4-6:2009<br>EN 61000-4-6:2014                      |
| 1.1.12 Power-Frequency Magnetic Field Immunity 16 Hz to 500 Hz up to 100 A/m | EN 61000-4-8:1993 + A1:2001<br>EN 61000-4-8:2010                           |   |



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| As listed on Page 2       | <p><b>1.1 CIVIL EMC TESTS (cont'd)</b></p> <p>1.1.13 a) Voltage Dips, Interruptions and Fluctuations Immunity</p> <p>b) Voltage and Frequency variations</p>  | <p>EN 61000-4-11:1994 + A1:2001<br/>EN 61000-4-11:2004 + A1:2017<br/>EN 61000-4-11:2020</p> <p>EN 60945:2002</p>  |
|                           | <p>1.1.14 EMC Tests</p> <p>This section includes generic and product family standards that refer to basic standards included in Sections 1.1.1 to 1.1.13</p> <p>Note: International Standards EN, ENV and IEC, listed in this Schedule, that have been adopted nationally as BS EN, DD ENV and BS IEC and are technically identical can be considered as being included in this Schedule.</p> | <p>EN 50081-1:1992<br/>EN 50081-2:1993<br/>EN 50082-1:1997<br/>EN 61000-6-1:2001<br/>EN 61000-6-1:2007<br/>EN 61000-6-1:2019<br/>EN 61000-6-2:1999<br/>EN 61000-6-2:2001<br/>EN 61000-6-2:2005<br/>EN 61000-6-2:2019<br/>EN 61000-6-3:2001 + A1:2004<br/>EN 61000-6-3:2007<br/>EN 61000-6-3:2007 + A1:2011<br/>EN 61000-6-3:2021<br/>EN 61000-6-4:2001<br/>EN 61000-6-4:2007<br/>EN 61000-6-4:2007 + A1:2011<br/>EN 61000-6-4:2019<br/>EN 55014-2:1997 + A1:2001 and A2 2008<br/>EN 55014-2:2006 + A1:2009<br/>EN 55014-2:2015<br/>EN 55015:2013 + A1:2015<br/>(Excluding insertion loss on fluorescents with starters)<br/>EN 55103-2:2009<br/>EN 60601-1-2:1993<br/>EN 60601-1-2:2001<br/>EN 60601-1-2:2007<br/>EN 60601-1-2:2015<br/>EN 60945:2002<br/>EN 61326:1997+ A1:1998, A2:2001 and A3:2003<br/>EN 61326-1:2006<br/>EN 61326-1:2013<br/>EN 61326-1:2021</p> |



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| As listed on Page 2       | <p><b>1.1 CIVIL EMC TESTS (cont'd)</b></p> <p>1.1.14 EMC Tests (cont'd)</p> | <p>EN 61326-2-1:2006<br/>           EN 61326-2-1:2013<br/>           EN 61326-2-2:2006<br/>           EN 61326-2-2:2013<br/>           EN 61326-2-3:2006<br/>           EN 61326-2-3:2013<br/>           EN 61326-2-6:2006<br/>           EN 61326-2-6:2013<br/>           EN 61547: 2009<br/>           EN 50121-3-2:2016 (Excluding AC power outlet port for public use)<br/>           EN 50130-4:1996 + A1:2001 and A2:2003<br/>           EN50130-4:2011 + A1:2014<br/>           EN 55024:1998 + A1:2001 and A2:2003<br/>           EN 55024:2010 + A1:2016<br/>           EN 55035:2017 (Excluding Broadband impulse noise disturbances)<br/>           EN 55035:2017 + A11 2020 (Excluding Broadband impulse noise disturbances)<br/>           EN 50498:2010<br/>           EN 301 489-1:V1.6.1:2005<br/>           EN 301 489-1:v1.8.1<br/>           EN 301 489-1:v1.9.2<br/>           EN 301 489-1:V2.2.0<br/>           EN 301 489-1:V2.2.3<br/>           EN 301 489-3:V1.4.1:2002<br/>           EN 301 489-3:V1.6.1:2013<br/>           EN 301 489-3:V2.1.1<br/>           EN 301 489-4:V3.2.0<br/>           EN 301 489-4 V3.2.1<br/>           EN 301 489-5:V1.3.1:2002<br/>           EN 301 489-5:V2.2.0<br/>           EN 301 489-5:V2.2.1<br/>           EN 301 489-9 V2.1.1 (draft)<br/>           EN 301 489-9 V2.1.1<br/>           EN 301 489-17:V1.2.1:2002<br/>           EN 301 489-17:V2.2.1:2012<br/>           EN 301 489-17:V3.2.0<br/>           EN 301 489-17:3.2.4<br/>           EN 301 489-19 V2.1.0 (draft)<br/>           EN 301 489-19 V2.1.1<br/>           EN 301 489-52 V1.1.0 (draft)<br/>           EN 301 489-53 V1.1.0 (draft)<br/>           EN 301 489-53 V1.1.1</p> |



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| As listed on Page 2                    | <b>1.1 CIVIL EMC TESTS</b> (cont'd)<br>1.1.14 EMC Tests (cont'd)               | OIML R 51-1: 2006<br>EN 301 843-1 V2.2.1<br>EN 301 843-2 V2.2.1  |
| Automotive Equipment<br>ESA/components | <b>1.2 AUTOMOTIVE EMC TESTS</b><br>1.2.1 Radiated Emissions<br>30 MHz to 1 GHz | UN Regulation no. 10 Revision 4.<br>UN Regulation no. 10 Revision 5<br>UN Regulation no. 10 Revision 6<br>EN 55025:2003  |
|  | 1.2.2 Radiated Immunity<br>Absorption Chamber<br>400 MHz - 2 GHz at 30 V/m     | UN Regulation no. 10 Revision 4.<br>UN Regulation no. 10 Revision 5<br>UN Regulation no. 10 Revision 6<br>ISO 11452-2:2004   |
|  | 1.2.3 Conducted Immunity<br>BCI<br>20 MHz to 400 MHz, 60 mA                    | UN Regulation no. 10 Revision 4.<br>UN Regulation no. 10 Revision 5<br>UN Regulation no. 10 Revision 6<br>ISO 11452-4:2005 (substitution method only)<br>ISO 11452-4:2011 (substitution method only) |
|  | 1.2.4 Vehicle Transient<br>Emissions and Immunity<br>12 and 24 v Systems       | ISO 7637-2:2004<br>Pulses 1, 2a, 2b, 3a, 3b & 4<br>UN Regulation no. 10 Revision 4<br>UN Regulation no. 10 Revision 5<br>UN Regulation no. 10 Revision 6   |



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| Short Range Devices (SRD),<br>Wideband transmission<br>systems and Private Mobile<br>Radio (PMR) | <p><b>2 RADIO TRANSMITTER &amp; RECEIVER TESTING</b></p> <p><b>2.1 Short Range Radio, Wideband transmission &amp; PMR Testing</b></p> <p>2.1.1 Frequency Error and Stability:<br/>9 kHz to 40 GHz</p> <p>2.1.2 Carrier Power:<br/>Up to 2 W &lt; 18 GHz<br/>Up to 100 W &lt; 4 GHz</p> <p>2.1.3 Effective Radiated Power (ERP) &amp; Equivalent Isotropic Radiated Power (EIRP): 30 MHz to 18 GHz</p> <p>2.1.4 Maximum Spectral Power Density</p> <p>2.1.5 Receiver LBT threshold</p> <p>2.1.6 Frequency Deviation:<br/>150 kHz to 1.3 GHz</p> <p>2.1.7 Frequency Range:<br/>9 kHz to 26.5 GHz</p> <p>2.1.8 Adjacent Channel Power:<br/>150 kHz to 26.5 GHz</p> <p>2.1.9 Modulation Depth &amp; Bandwidth:<br/>150 kHz to 1.3 GHz</p> <p>2.1.10 Spurious Emissions:<br/>9 kHz to 231 GHz</p> <p>2.1.11 Intermodulation Attenuation:<br/>20 MHz to 18 GHz</p> <p>2.1.12 Transmitter Transient Behaviour:<br/>150 kHz to 1.3 GHz</p> <p>2.1.13 Transmitter Attack and Release Time:<br/>9 kHz to 26.5 GHz</p> | <p>ETSI EN 300 225 V1.5.1<br/>ETSI EN 300 225 V1.4.1</p> <ul style="list-style-type: none"> <li>• Clause 8 Field measurement</li> <li>• Clause 9 Transmitter (with the exception of environmental tests and 9.6 Sensitivity of the modulator, including microphone)</li> <li>• Clause 10 Receiver</li> </ul> <p>EN 300 086:V2.1.2<br/>EN 300 086-1:V1.2.1<br/>EN 300 086-2:V1.1.1<br/>EN 300 086-2:V1.3.1<br/>EN 300 113-1 v1.7.1<br/>EN 300 113-2 v1.5.1<br/>EN 300 113:V2.2.1<br/>EN 300 113-1:V1.5.1<br/>EN 300 113-2:V1.3.1<br/>EN 300 220-1:V2.1.1<br/>EN 300 220-1:V2.3.1<br/>EN 300 220-1:V2.4.1<br/>EN 300 220-1:V3.1.1<br/>EN 300 220-2:V2.1.1<br/>EN 300 220-2:V2.3.1<br/>EN 300 220-2:V2.4.1<br/>EN 300 220-2:V3.1.1<br/>EN 300 220-3:V1.1.1<br/>EN 300 296:V2.1.1 (Excluding clause 7.6 - Voice operated Transmitter)</p> <p>EN 300 330:V2.1.1<br/>EN 300 330-1 v1.7.1<br/>EN 300 330-1 v1.8.1<br/>EN 300 330-1:V1.4.1<br/>EN 300 330-2 v1.5.1<br/>EN 300 330-2 v1.6.1<br/>EN 300 330-2:V1.2.1<br/>EN 300 328:V1.6.1<br/>EN 300 328:V1.7.1<br/>EN 300 328:V1.8.1<br/>EN 300 328:V1.9.1<br/>EN 300 328:V2.1.1<br/>EN 300 328:V2.2.2</p> |





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| Short Range Devices (SRD),<br>Wideband transmission<br>systems and Private Mobile<br>Radio (PMR) | <p><b>2 RADIO TRANSMITTER &amp; RECEIVER TESTING (cont'd)</b></p> <p><b>2.1 Short Range Radio, Wideband transmission &amp; PMR Testing</b></p> <p>2.1.14 H-Field:</p> <p>2.1.15 Receiver Sensitivity</p> <p>2.1.16 Receiver Blocking</p> <p>2.1.17 Co-channel Rejection</p> <p>2.1.18 Adjacent channel selectivity</p> <p>2.1.19 Blocking</p> <p>2.1.20 Intermodulation response</p> <p>2.1.21 Spurious response rejection</p> | <p>EN 300 422-1 V1.4.2 (Except for measurements that require an acoustic coupler)</p> <p>EN 300 422-1:V1.5.1</p> <p>EN 300 422-1:V1.4.1</p> <p>EN 300 422-1:V2.1.2</p> <p>EN 300 422-1 V1.2.2</p> <p>EN 300 422-2 V1.3.1 (Except for measurements that require an acoustic coupler)</p> <p>EN 300 440:V2.1.1</p> <p>EN 300 440-1:V1.3.1</p> <p>EN 300 440-1:V1.6.1</p> <p>EN 300 440-2:V1.1.2</p> <p>EN 300 440-2:V1.4.1</p> <p>EN 300 720:V2.1.1(Excluding clause 7)</p> <p>EN 301 178:V2.2.2 (Excluding clause 7)</p> <p>EN 301 357-1:V1.2.1</p> <p>EN 301 357-1:V1.4.1</p> <p>EN 301 357-2:V1.2.1</p> <p>EN 301 357-2:V1.4.1</p> <p>EN 301 893 V2.1.1 (Including DFS testing)</p> <p>EN 302 065-2:V2.1.1</p> <p>EN 303 413:V1.1.1</p> <p>EN 303 413:V1.2.1</p> <p>ANSI C 63.10:2009</p> <p>ANSI C 63.10:2013</p> <p>ANSI C 63.26:2015</p> <p>(Excluding Clause 6.2 - Medical implant transmitter measurements)</p> <p>ANSI/TIA 603D:2010</p> <p>ANSI/TIA 603E:2016</p> <p>RSS-Gen Issue 4:2014</p> <p>RSS-Gen Issue 5:2018</p> <p>RSS-210 issue 9:2016 including Amendment:2017</p> <p>RSS-210 issue 10: 2019</p> <p>RSS-119 Issue 12: 2015</p> <p>RSS-220 issue 1:2009 including Amendment 1:2018</p> |



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| Short Range Devices (SRD), Wideband transmission systems and Private Mobile Radio (PMR) | <b>2 RADIO TRANSMITTER &amp; RECEIVER TESTING (cont'd)</b>  | RSS-130 Issue 2:2019<br>RSS-131 Issue 3:2017 including Amendment 2017<br>RSS-132 Issue 3:2013<br>RSS-133 Issue 6:2013 including Amendment 2018<br>RSS-139 Issue 3:2015<br>RSS-195 Issue 2:2014<br>RSS-199 Issue 3:2016<br>RSS-247 Issue 2:2017 including DFS testing |
| Multiple-Gigabit/s radio equipment operating in the 57 - 71 GHz band.                   | <p><b>2.2 Microwave Radio Transmitter and Receiver Testing</b></p> <p>2.2.1 Output power<br/>up to 100 W &lt; 4 GHz<br/>up to 2 W &lt; 40 GHz</p> <p>2.2.2 Frequency Error &amp; Stability<br/>9 kHz to 40 GHz</p> <p>2.2.3 RF Spectrum Mask<br/>9 kHz to 40 GHz</p> <p>2.2.4 Discrete CW Components exceeding the spectrum mask limit</p> <p>2.2.5 External Spurious Emissions<br/>9 kHz to 231 GHz</p> <p>2.2.6 BER as a function of Receiver Input Signal Level</p> <p>2.2.7 Co-Channel Interference</p> <p>2.2.8 Adjacent Channel Interference</p> <p>2.2.9 CW Spurious Interference<br/>30 MHz to 40 GHz</p> | EN 302 326-2:V1.2.2<br>EN 302 567 V2.1.1 (Excluding clause 5.3.8 - Adaptivity)<br>EN 302 567 V2.2.1 (Excluding clause 5.3.8 Adaptivity)<br>EN 303 722 V1.2.1   |



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|                           | <p><b>EMC FACILITIES</b></p> <p>Screened Rooms</p> <ol style="list-style-type: none"> <li>1 Semi-Anechoic Chamber: 4.8 m x 3.6 m x 4.8 m</li> <li>2 Semi-Anechoic Chamber: 8.3 m x 5.4 m x 3.6 to 5.5 m</li> <li>3 Screened Room: 3.6 m x 2.4 m x 3.0 m</li> <li>4 Screened Room: 4.2 m x 3.6 m x 2.4 m</li> <li>5 Control Room: 3.6 m x 2.4 m x 2.4 m</li> <li>6 Control Room: 2.4 m x 2.4 m x 2.4 m</li> <li>7 Fully-Anechoic Chamber: 3.3m x 2.3m x 2.3m</li> <li>8 Fully-Anechoic Chamber: 5.7m x 1.9m x 1.9m</li> <li>9 Screened Room: 3.7m x 3.1m x 2.4m</li> <li>10 Semi-Anechoic Chamber: 10.0m x 6m x 5.5m</li> <li>11 Control Room: 3.6m x 2.4m x 2.4m</li> <li>12 Screened Room: 3.6m x 2.4m x 2.4m</li> <li>13 Semi-Anechoic Chamber: 6.7 m x 3.1 m x 3.1 m</li> </ol> <p>Open Area Test Sites</p> <p>3m and 10m Open Area Test Sites (30M – 1GHz)</p> <p>3m, 5m, 10m, &amp; 30m Open Area Test Sites (9kHz – 30MHz)</p> <p>Power Supplies</p> <p>Single Phase: 50Hz 230V 30A supply</p> <p>Single Phase: 50Hz 115V 43A supply</p> <p>Single Phase: 60Hz 115V 17A supply</p> <p>Single Phase: 400Hz 115V 12A supply</p> <p>Three Phase: 50Hz 400V 50A supply</p> |  |



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| <b>US MRA - FCC Scope of Accreditation (not included in Flexible Scope)</b>   |   |  |
| <i>(example descriptions only)</i>  |   |  |
| UNINTENTIONAL RADIATORS<br><br>FCC Part 15, subpart B   | Radiated Emissions<br>9 kHz to 40 GHz<br><br>Conducted Emissions<br>9 kHz to 30 MHz   | ANSI C63.4-2014 including Amendment C63.4a-2017    |
| INDUSTRIAL, SCIENTIFIC AND MEDICAL EQUIPMENT<br>Consumer ISM Equipment<br><br>FCC Part 18   | Radiated Emissions<br>9 kHz to 40 GHz<br><br>Conducted Emissions<br>9 kHz to 30 MHz   | FCC MP-5 (February 1986),                          |
| INTENTIONAL RADIATORS<br><br>FCC Part 15, subpart C   | Radiated Tests<br>9 kHz to 231 GHz<br><br>Conducted Tests<br>9 kHz to 231 GHz<br><br>Radio tests as per standard. Includes but not limited to:<br>Peak transmit power<br>Emission bandwidth / Occupied BW<br>Modulation<br>Power spectral density<br>Band edge tests<br>Permitted Frequency range<br>In-band unwanted emissions<br>Out-of-band emissions<br>Spurious Emissions<br>Reaction time<br>Frequency and Time Stability | ANSI C63.10-2013                                   |
| UNLICENSED NATIONAL INFORMATION INFRASTRUCTURE (U-NII)<br><br>DEVICES WITHOUT DFS (INTENTIONAL RADIATORS)<br><br>FCC Part 15, Subpart E | Radiated Tests<br>9 kHz to 231 GHz<br><br>Conducted Tests<br>9 kHz to 231 GHz   | ANSI C63.10-2013<br><br>KDB Publication 789033     |



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|---|---|---|
| UNLICENSED NATIONAL INFORMATION INFRASTRUCTURE (U-NII)<br><br>DEVICES WITH DYNAMIC FREQUENCY SELECTION (DFS)<br><br>FCC Part 15 Subpart E   | Radiated Tests<br>9 kHz to 231 GHz<br><br>Conducted Tests<br>9 kHz to 231 GHz                                     | ANSI C63.10-2013<br><br>KDB Publication 905462 D02<br>UNII DFS Compliance Procedures<br>New Rules v02 |
| ULTRA-WIDEBAND OPERATION INTENTIONAL RADIATORS<br><br>FCC Part 15, Subpart F  | Radiated Tests<br>9 kHz to 231 GHz<br><br>Conducted Tests<br>9 kHz to 231 GHz<br><br>Radio tests as per standard  | ANSI C63.10-2013  |
| COMMERCIAL MOBILE SERVICES (FCC LICENSED RADIO SERVICE EQUIPMENT)<br><br>FCC Part 22 (cellular)<br>FCC Part 24<br>FCC Part 25 (non-microwave)<br>FCC Part 27  | Radiated Tests<br>9 kHz to 231 GHz<br><br>Conducted Tests<br>9 kHz to 231 GHz<br><br>Radio tests as per standard. | ANSI C63.26:2015<br>ANSI/TIA 603E:2016<br><br>KDB Publication 971168                                  |
| GENERAL MOBILE RADIO SERVICES (FCC LICENSED RADIO SERVICE EQUIPMENT)<br><br>FCC Part 22 (non-cellular)<br>FCC Part 90 (non-microwave)<br>FCC Part 95<br>FCC Part 97<br>FCC Part 101 (non-microwave) | Radiated Tests<br>9 kHz to 231 GHz<br><br>Conducted Tests<br>9 kHz to 231 GHz<br><br>Radio tests as per standard. | ANSI C63.26:2015<br>ANSI/TIA 603E:2016  |



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|---|---|--|
| CITIZENS BROADBAND RADIO SERVICES (FCC LICENSED RADIO SERVICE EQUIPMENT)<br><br>FCC Part 96   | Radiated Tests<br>9 kHz to 231 GHz<br><br>Conducted Tests<br>9 kHz to 231 GHz<br><br>Radio tests as per standard. | ANSI C63.26:2015<br>ANSI/TIA 603E:2016<br><br>KDB Publication 971168<br>KDB Publication 940660 |
| MICROWAVE AND MILLIMETRE BANDS RADIO SERVICES (FCC LICENSED RADIO SERVICE EQUIPMENT)<br><br>FCC Part 25<br>FCC part 30<br>FCC Part 74<br>FCC Part 90 (above 3GHz)<br>FCC Part 95 (above 3GHz)<br>FCC Part 97 (above 3GHz)<br>FCC Part 101 | Radiated Tests<br>9 kHz to 231 GHz<br><br>Conducted Tests<br>9 kHz to 231 GHz<br><br>Radio tests as per standard. | ANSI C63.26:2015<br>ANSI/TIA 603E:2016<br><br>KDB Publication 653005                           |
| BROADCAST RADIO SERVICES (FCC LICENSED RADIO SERVICE EQUIPMENT)<br><br>FCC Part 73<br>FCC Part 74 (below 3GHz)  | Radiated Tests<br>9 kHz to 231 GHz<br><br>Conducted Tests<br>9 kHz to 231 GHz<br><br>Radio tests as per standard. | ANSI C63.26:2015<br>ANSI/TIA 603E:2016   |



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|---|--|---|
| <p>SIGNAL BOOSTERS<br/>Wideband consumer signal boosters<br/>Provider-specific signal boosters<br/>Industrial signal boosters<br/><br/>FCC Part 20 &amp; 90.219</p> | <p>Tests as per KDB Frequency Bands<br/>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</p> | <p>ANSI C63.26:2015<br/><br/>FCC KDB Publication 935210 D03 Signal Booster Measurements v04 (February 12, 2016)<br/><br/>FCC KDB Publication 935210 D04 Provider Specific Booster Measurements v02 (February 12, 2016)<br/><br/>FCC KDB Publication 935210 D05 Indus Booster Basic Measurements v01r01 (February 12,2016)</p> |
| <b>Canadian MRA – ISED Scope of Accreditation (not included in Flexible Scope)</b>  |  |   |
| <p>General Requirements for Compliance of Radio Apparatus</p>   | <p>Conducted &amp; Radiated Tests<br/>9 kHz to 231 GHz</p>   | <p>RSS-Gen Issue 5:2018 including Amendment 1:2019 and Amendment 2: 2021</p>  |
| <p>Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus</p>   | <p>RF Exposure evaluation (Measured)<br/><br/>Exclusion Calculation only</p>   | <p>RSS-102 Issue 5:2015 including Amendment 1:2021 ( )</p>  |
| <p>Land Mobile and Fixed Equipment Operating in the Frequency Range 27.41-960 MHz</p>   | <p>Conducted and Radiated Tests<br/>9 kHz to 110 GHz</p>   | <p>RSS-119 Issue 12: 2015</p>   |
| <p>Licence-Exempt Radio Apparatus: Category I Equipment</p>   | <p>Conducted &amp; Radiated Tests<br/>9 kHz to 231 GHz</p>   | <p>RSS-210 issue 9:2016 including Amendment:2017<br/>RSS-210 issue 10: 2019</p>   |
| <p>Ultra-Wideband (UWB) Technology</p>  | <p>Conducted &amp; Radiated Tests<br/>9 kHz to 231 GHz</p>   | <p>RSS-220 issue 1:2009 including Amendment 1:2018</p>  |
| <p>Equipment Operating in the Frequency Bands 617-652 MHz, 663-698 MHz, 698-756 MHz and 777-787 MHz</p>   | <p>Conducted and Radiated Tests<br/>9 kHz to 231 GHz</p>   | <p>RSS-130 Issue 2:2019</p>   |



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|--|---|--|
| Zone Enhancers   | Conducted and Radiated Tests<br>9 kHz to 231 GHz      | RSS-131 Issue 3:2017 including<br>Amendment 2017   |
| Cellular Telephone Systems Operating in the Bands 824-849 MHz and 869-894 MHz  | Conducted and Radiated Tests<br>9 kHz to 231 GHz      | RSS-132 Issue 3:2013                               |
| 2 GHz Personal Communications Services   | Conducted and Radiated Tests<br>9 kHz to 231 GHz      | RSS-133 Issue 6:2013 including<br>Amendment 2018   |
| Advanced Wireless Services (AWS) Equipment Operating in the Bands 1710-1780 MHz and 2110-2180 MHz                            | Conducted and Radiated Tests<br>9 kHz to 231 GHz      | RSS-139 Issue 3:2015                               |
| Wireless Communications Service (WCS) Equipment Operating in the Bands 2305-2320 MHz and 2345-2360 MHz                       | Conducted and Radiated Tests<br>9 kHz to 231 GHz      | RSS-195 Issue 2:2014                               |
| Broadband Radio Service (BRS) Equipment Operating in the Band 2500-2690 MHz  | Conducted and Radiated Tests<br>9 kHz to 231 GHz      | RSS-199 Issue 3:2016                               |
| Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices | Conducted & Radiated Tests<br>9 kHz to 231 GHz        | RSS-247 Issue 2:2017 including<br>DFS testing      |
| END  |   |  |





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**Accreditation for the purpose of UK Approved Body Activity in accordance with UKCA Requirements and UKAS Publication GEN 5**

| Directive / Regulation   | Conformity Assessment procedure/ Module/article | Category of products or individual products        | Essential requirements: Product specification / Properties/Standards |
|--|---|--|--|
| Mutual Recognition Agreements between the UK and Australia/New Zealand | Conformity Assessment Body (CAB)                | Electromagnetic compatibility (EMC) sectoral annex |  |

**Accreditation for the purpose of Notified Body Activity relating to the Northern Ireland market (CE + UKNI) taking into account EA-2/17**

| Directive / Regulation   | Conformity Assessment procedure/ Module/article | Category of products or individual products        | Essential requirements: Product specification / Properties/Standards |
|--|---|--|--|
| Mutual Recognition Agreements between the UK and Australia/New Zealand | Conformity Assessment Body (CAB)                | Electromagnetic compatibility (EMC) sectoral annex |  |

END