


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 1871 Accredited to ISO/IEC 17025:2005	Hursley EMC Services Limited	
	Issue No: 030 Issue date: 17 May 2012	
	Brickfield Lane Chandler's Ford Hampshire SO53 4DP	Contact: Mr R P St John-James Tel: +44 (0)23 8027 1111 Fax: +44 (0)23 8027 1144 E-Mail: rob@hursley-emc.co.uk Website: www.hursley-emc.co.uk
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 Brickfield Lane Chandler's Ford Hampshire SO53 4DP	Local contact Mr R P St John-James Tel: +44 (0)23 8027 1111 Fax: +44 (0)23 8027 1144 Email: rob@hursley-emc.co.uk Website: www.hursley-emc.co.uk	EMC Testing A
Address F Block Hursley Park Hursley Winchester Hampshire SO21 2JN	Local contact Mr R P St John-James Tel: +44 (0)23 8027 1111 Fax: +44 (0)23 8027 1144 Email: rob@hursley-emc.co.uk Website: www.hursley-emc.co.uk	EMC Testing B



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Computers and Peripherals Domestic Appliances: Electrical Electrical/Electronic Products Electro-Mechanical Devices IT Equipment Measuring Equipment Medical/Dental Equipment Office Equipment: Electrical Radio and TV Equipment Security Equipment Telecommunications Equipment	1 CIVIL EMC TESTS 1.1 Conducted Emissions 10 kHz to 30 MHz	EN 55011:1991 EN 55011:1998 including Amendment A1:1999 and A2:2002 EN 55013:2001 including Amendment A1:2003 and A2:2006 (Radio receivers only) EN 55014:1987 EN 55014-1:2000 including Amendment A1:2001 and A2:2002 EN 55022:1987 and 1994 EN 55022:1998 including Amendment A1:2000 and A2:2003 EN 55022:2006 including Amendment A1:2007 EN 55022:2006 including Amendment A2:2010 CISPR 22:2005 including Amendment A2:2006 VDE 0871:1978 CISPR 22:1985 and 1993 A1:1995, A2:1996 CISPR 22:1997 FCC/CFR 47:Part 15 FCC/CFR 47:Part 18 ANSI C63.4:1992 ANSI C63.4:2001 ANSI C63.4:2003 VCCI V-3/2010.04 AS/NZ 2064:1997 AS/NZ 3548:1995 AS/NZ 4521:1997 CNS 13438:1997 CNS 13438:2006 SANS/SABS 222:1997 SANS/SABS 222:2006	A, B



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As listed on Page 1	CIVIL EMC TESTS (cont'd) 1.2 Radiated Emissions Electric Field 30 MHz to 40 GHz Magnetic Field 10 kHz to 30 MHz Disturbance Voltage at Antenna Terminals 30 MHz to 1 GHz	EN 55011:1991 EN 55011:1998 including Amendment A1:1999 and A2:2002 EN 55011:A2:2007 EN 55013:2001 including Amendment A1:2003 and A2:2006, (up to 1GHz, Radio receivers only) EN 55014:1987 EN 55014-1:2000 including Amendment A1:2001 and A2:2003 EN 55014:2006 EN 55022:1987 and 1994 EN 55022:1998 including Amendment A1:2000 and A2:2003 EN 55022:2006 including Amendment A1:2007 CISPR 22:1985 and 1993 A1:1995, A2:1996 CISPR 22:1997 EN 55022:2006 including Amendment A2:2010 CISPR 22:2005 including Amendment A2:2006 VDE 0871:1978 FCC/CFR 47:Part 15 FCC/CFR 47:Part 18 ANSI C63.4:1992 ANSI C63.4:2001 ANSI C63.4:2003 VCCI V-3/2010.04 AS/NZ 2064:1997 AS/NZ 3548:1995 AS/NZ 4521:1997 EC Directive 2004/104/EC, Annex 7 and 8 EC Directive 95/54/EC, Annex 7 and 8 CNS 13438:1997 CNS 13438:2006 SANS/SABS 222:1997 SANS/SABS 222:2006	A, B



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As listed on Page 1	CIVIL EMC TESTS (cont'd)		
	1.3 Discontinuous Emissions (Clicks) 10 kHz to 30 MHz	EN 55014-1:2000 including Amendment A1:2001 and A2:2002 EN 55014:2006	A, B
	1.4 Interference Power Measurements 30 MHz to 300 MHz	EN 55014-1:2000 including Amendment A1:2001 and A2:2002 EN 55014:2006	A, B
	1.5 Magnetic field emissions 10 Hz to 400 kHz	EN 50366:2003 including Amendment A1:2006 EN 62233:2008 Time Domain Evaluation Method	A, B
	1.6 Conducted RF Immunity 150 kHz to 230 MHz up to 10 Vrms	ENV 50141:1995 EN 61000-4-6:1996 including Amendment A1:2001 IEC 61000-4-6:2003 including IEC 61000-4-6:1996 Amendment A1:2004 EN 61000-4-6:2007 EN 61000-4-6:2009 IEC 61000-4-6:2003 including Amendment A1:2004 & A2:2006	A, B



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As listed on Page 1	CIVIL EMC TESTS (cont'd)		
	1.7 Radiated RF Immunity 10 Vm ⁻¹ 26 MHz to 2.7 GHz 20 Vm ⁻¹ 800 MHz to 1000 MHz	IEC 801-3:1984 ENV 50140:1995 ENV 50204:1995 EN 61000-4-3:1996 including Amd 1:1999 IEC 61000-4-3:1995 including Amendment A1:1998 EN 61000-4-3:2002 EN 61000-4-3:2006 EN 61000-4-3:2006 including Amendment A1:2008 & A2:2010 IEC EN 61000-4-3:2006 including Amendment A1:2008 & A2:2010 EN 50121-4:2006	A, B
	1.8 Immunity to Fast Transients/ Bursts up to 4.5 kV	IEC 801-4:1988 EN 61000-4-4:1995 including Amendment A2:2001 IEC 61000-4-4:1995 EN 61000-4-4:2004 EN 61000-4-4:2004 including Amendment A1:2010 IEC 61000-4-4:2004 including Amendment A1:2010	A, B
	1.9 Immunity to Mains Surge up to 6 kV	EN 61000-4-5:1996 including Amendment A1:2001 IEC 61000-4-5:1995 EN 61000-4-5:2006 IEC 61000-4-5:2005	A, B
	1.10 Mains Harmonic Emissions 50 Hz to kHz	EN 60555-2:1987 EN 61000-3-2:1995 EN 61000-3-2:2000 EN 61000-3-2:2006 including Amendment A1:2009 & A2:2009 IEC 61000-3-2:2005 including Amendment A1:2008 & A2:2009	A, B



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As listed on Page 1	CIVIL EMC TESTS (cont'd)		
	1.11 Mains Flicker Emissions	EN 60555-3:1987 EN 61000-3-3:1995 including Amendment A1:2001 and A2:2005 EN 61000-3-3:2008 IEC 61000-3-3:2008	A, B
	1.12 Electrostatic Discharge up to 30 kV	IEC 801-2:1984 and 1991 EN 61000-4-2:1995 including Amendment A1:1999 and IEC 61000-4-2:1995 including Amendment A1:1998 & A2:2000 A2:2001 EN 61000-4-2:2009 IEC 61000-4-2:2008	A, B
	1.13 Voltage Dips, Interruptions and Variations	EN 61000-4-11:1994 including Amendment A1:2001 IEC 61000-4-11:1994 EN 61000-4-11:2004 IEC 61000-4-11:2004	A, B
	1.14 Power-Frequency Magnetic Fields (Immunity) Field strength: up to 30 A/m	EN 61000-4-8:1993 including Amendment A1:2001 IEC 61000-4-8:1993 including Amendment A1:2000 EN 61000-4-8:2010 IEC 61000-4-8:2009	A, B
Maritime Navigation and Radio Communication Equipment	1.15 EMC Tests	BS EN 60945:1997 IEC 945:1996 IEC 60945:2002	A, B



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As listed on Page 1	<p>CIVIL EMC TESTS (cont'd)</p> <p>1.16 EMC Tests</p> <p>These generic and product specific standards are included but limited to those referenced standards that are explicitly listed in Sections 1.1 to 1.15 of this Schedule.</p>	<p>EN 50081-1:1992 EN 50081-2:1993 EN 50082-1:1992 EN 50082-1:1997 EN 50082-2:1995 EN 61000-6-1:2001 EN 61000-6-2:1999 EN 61000-6-2:2001 EN 61000-6-3:2001 including Amendment A11:2004 EN 61000-6-4:2001 EN 61000-6-1:2007 EN 61000-6-2:2005 EN 61000-6-3:2007 EN 61000-6-4:2007 prEN 50082-1:1996 CISPR 16-1:1999 CISPR 16-2:1999 CISPR 24:1997 including Amendment A1:2001 and A2:2002 (excluding Psophometric tests) EN 55024:2010 excluding Psophometric tests CISPR24:2010 excluding Psophometric tests SANS/SABS 224:1997 EN 50091-2:1995 EN 55014-1:1993 including Amendment A1:1997 EN 55014-1:2006 including Amendment A1:2009 EN 55014-2:1997 including Amendment A1:2001 and A2:2008 EN 55103-1:1996 EN 55103-1:2009 EN 55103-2:1996 EN 55103-2:2009 EN 60601-1-2:1993 EN 60601-1-2:2001 EN 60601-2-1:2007 EN 61204-3:2000 IEC 61204-3:2000 EN 61326-1:1998 including Amendment A2:2001 and A3:2003</p>	A, B



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As listed on Page 1	CIVIL EMC TESTS (cont'd) 1.16 EMC Tests (cont'd)	EN 61326-1:2006 EN 61326-2-3:2006 TRG 1068:1991 ETS 300 339:1997 ETS 300 342-1:1994 ETS 300 342-2:1994 ETS 300 385:1996 EN 300 386 V1.3.3:2005 EN 300 386:V1.3.2:2003 ETS 300 683:1997 EN 301 489-1:V1.4.1:2002 EN 301 489-3:V1.4.1:2002 EN 301 489-4:V1.3.1:2002 EN 301 489-5:V1.3.1:2002 EN 301 489-23:V1.2.1:2002 EN 301 489-24:V1.2.1:2002 EN 50130-4:1995 including Amendment A1:1998 and A2:2003 EN 50131-1:1997 EN 55024:1998 including Amendment A1:2001 and A2:2003 (excluding psophometric tests) EN 50270:1999 EN 50270:2006 EN 50293:2000 EN 60730-1:2001 Sections 26 EN 60669-2-1:2004 Section 26 EN 61547:1995 A1:2000 EN 54-21:2006* EN 50136-2-1:1998* *the radiated immunity test is accredited for frequencies of 80 MHz and above.	A, B



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	2 MILITARY AND AEROSPACE EMC TESTS		
	2.1 Conducted Emissions: Power, Control and Signal Leads: DC to 400 MHz	DEF STAN 59-41:Issue 5, DCE01 and DCE02 DEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DCE01 and DCE02 RTCA/DO-160D, E & F and G:Section 21 DEF STAN 59-411 Part 3 DCE01.B, DCE02.B MIL STD 461D, E & F CE 101 & CE 102	A
	2.2 Radiated Emissions: Electric Field: 10 kHz to 18 GHz	DEF STAN 59-41:Issue 5, DRE01 DEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DRE01 RTCA/DO-160D, E & F and G:Section 21 DEF STAN 59-411 Part 3 DRE01.B MIL STD 461D, E & F RE 102 & RE103	A
	2.3 Radiated Emissions: Magnetic Field: 20 Hz to 100 kHz	DEF STAN 59-41:Issue 5, DRE02 DEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DRE02 RTCA/DO-160D, E & F and G:Section 21 DEF STAN 59-411 Part 3 DRE02.B MIL STD 461D, E & F RE101	A
	2.4 Exported Transients Power Lines	DEF STAN 59-41:Issue 5 DCE03 DEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DCE03	A



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	2 MILITARY AND AEROSPACE EMC TESTS (cont'd)		
	2.5 Conducted Susceptibility: Primary Power Lines, 20 Hz - 50 kHz	DEF STAN 59-41:Issue 5 DCS01 DEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DCS01 DEF STAN 59-411 Part 3 DCS01.B MIL STD 461D, E & F CS101	A
	2.6 Conducted Susceptibility: Power, Control and Signal Lines including Bulk Current Injection 10 kHz to 400 MHz	DEF STAN 59-41:Issue 5 DCS02 and DCS03 DEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DCS02 and DCS03 DEF STAN 59-411 Part 3 DCS02.B & DCS03.B MIL STD 461D, E & F CS109 & CS114	A
	2.7 Radiated Susceptibility: Magnetic Field: 20 Hz to 100 kHz	DEF STAN 59-41:Issue 5 DRS01 DEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DRS01 DEF STAN 59-411 Part 3 DRS01.B MIL STD 461D, E & F RS101	A
	2.8 Radiated Susceptibility Magnetic Field DC-1600 A/m	DEF STAN 59-411 Part 3 DRS03.B	A



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	<p>2 MILITARY AND AEROSPACE EMC TESTS (cont'd)</p> <p>2.9 Radiated Susceptibility: Electric Field: 150 kHz to 1 GHz Maximum Field Strength: 20 V/m</p>	<p>DEF STAN 59-41:Issue 5 DRS02.3 SEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DRS02.3 DEF STAN 59-411 Part 3 DRS02.B MIL STD 461D, E & F RS103</p>	A
	<p>2.10 Electrostatic Discharge</p>	<p>DEF STAN 59-41:Issue 5, DCS10 DEF STAN 59-41:Part 3, Section 3, Issue 1:2003 DCS10 DEF STAN 59-411 Part 3 DCS10.B</p>	A
	<p>Facilities for EMC:</p> <p>Screened enclosures, anechoic lined with 3 m turntable</p> <p>(2 enclosures) each 10 m x 6 m x 4 m</p> <p>Open area test site: 10 m range 5 m turntable in enclosed area with 4 m x 2 m doors</p>		
END			