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NVLAP Accreditation Information

Listed below is the scope of accreditation for this laboratory as of October 17, 2012. For additional information, contact NVLAP at (301) 975-4016.
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Electromagnetic Compatibility & Telecommunications

Accreditation Valid From: October 1, 2012 Through: September 30, 2013

• Emissions Test Methods

[12/CIS22f] CNS 13438 (2006) (up to 6GHz)

Limits and Methods of Measurement of Radio Interference Characteristics of Information Technology Equipment

[12/CIS22j1] EN 55022 (2006) + A1 (2007)

Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement

[12/CIS22j2] EN 55022:2010

Information technology equipment. Radio disturbance characteristics. Limits and methods of measurement

[12/CIS22k] IEC/CISPR 22 (2008-09)

Limits and Methods of Measurement of Radio Disturbance Characteristics of Information Technology Equipment

[12/EM02n] IEC 61000-3-2 Ed. 3.2 (2009)

Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current *[12/EM03n]* IEC 61000-3-3 Ed. 2.0 (2008)

EMC- Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current =16 A per phase and not subject to conditional connection

[12/FCC15b] ANSI C63.4 (2003) with FCC Method 47 CFR Part 15, Subpart B

Unintentional Radiators

[12/ICES003] ICES-003 Issue 4 (2004)

Implementation and Interpretation of the Interference-Causing Equipment Standard for Digital Apparatus. (Industry Canada)

[12/IEEE149] IEEE Std 149 (1979)

IEEE Standard Test Procedure for Antennas

[12/KN22e] KN22 (2008-5) with RRL Notice No. 2008-3 (May 20, 2008)

Conformity Assessment Procedure for Electromagnetic Interference; With KN 22

[12/KN22f] KN22 (Annex 5) with RRA Announce 2010-5 (Dec 24, 2010)

Conformity Assessment Procedure for Electromagnetic Interference; With KN 22 (Annex 5)

[12/KN22g] KN22 (Annex 5) with RRA Announce 2011-30 (Dec 23, 2011)

Conformity Assessment Procedure for Electromagnetic Interference; With KN 22 (Annex 5). K Only

[12/RRA115] RRA Public Notification 2011-5, K only (January 19, 2011)

Technical requirements for Electromagnetic Interference (K only)

[12/RRA124] RRA Public Notification 2011-24, K only (Dec 23, 2011)

Technical Requirements for Electromagnetic Interference (K only)

[12/T51b1] AS/NZS CISPR 22 (2009)

Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement

[12/TCVN] TCVN 7189:2002 (CISPR 22:1997)

Information Technology Equipment-Radio disturbance characteristics-Limits and methods of measurement

[12/TCVNa] TCVN 7189:2009 (CISPR 22:2006)

Information Technology Equipment-Radio disturbance characteristics - Limits and methods of measurement

[12/VCCIg] Agreement of VCCI V-3 (2011.04)

Agreement of VCCI Council - Technical Requirements: V-3/2011.04 (including radiated disturbance above 1 GHz)

[12/VCCIh] Agreement of VCCI V-3 (2012.04)

Agreement of VCCI Council - Technical Requirements: V-3/2012.04 (including radiated disturbance above 1 GHz)

- **Immunity Test Methods**

[12/CIS24e] IEC/CISPR 24 (1997) and EN 55024 (1998) + A1(2001), A2(2003)

Information technology equipment - Immunity characteristics - Limits and methods of measurement

[12/CIS24g] CISPR 24 ed2.0 (2010-08)

Information technology equipment - Immunity characteristics - Limits and methods of measurement

[12/CIS24h] EN 55024 (2010)

Information technology equipment. Immunity characteristics. Limits and methods of measurement

[12/IO1f] EN 61000-4-2 (2009-05)

Electromagnetic compatibility (EMC) — Part 4-2 : Testing and measurement techniques — Electrostatic discharge immunity test

[12/IO2i1] IEC 61000-4-3 Ed. 3.2 (2010)

Electromagnetic compatibility (EMC) - Part 4-3: Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test

[12/IO3g] IEC 61000-4-4, Ed. 2.0 + A1 (2010)

Electromagnetic compatibility (EMC) - Part 4-4: Testing and measurement techniques - Electrical Fast Transient/Burst Immunity Test

[12/IO4aa] IEC 61000-4-5, Ed. 2.0 (2005-11); EN 61000-4-5

Electromagnetic Compatibility (EMC) - Part 4-5: Testing and measurement techniques - Surge immunity test

[12/IO5f1] IEC 61000-4-6 Ed. 3.0 (2008)

Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields

[12/IO6e] IEC 61000-4-8 (2009)

Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test

[12/IO7c] IEC 61000-4-11, Ed. 2 (2004-03) & EN 61000-4-11

Electromagnetic compatibility (EMC) - Part 4-11: Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests

[12/KN11h] KN 61000-4-11 (Annex 1-7) RRA Announce 2010-6 (Dec.24, 2010)

Conformity Assessment Procedure for EMS (Voltage Dips, Short Interruptions and Voltage Variations Immunity tests)

[12/KN11i] KN 61000-4-11 (Annex 1-7) RRA Announce 2011-31(Dec.23, 2011)

Conformity Assessment Procedure for EMS (Voltage Dips, Short Interruptions and Voltage Variations Immunity tests); K Only

[12/KN132] Korea RRL Notice 132 (october 2005)

Conformity Assessment Procedure for Electromagnetic Susceptibility

[12/KN150] EMS RRL Notice No. 2005-130: 2005.12.27

RRL Notice No. 2005-130: Technical Requirements for Electromagnetic Susceptibility Annex 1-7 (KN61000-4-2, -3, -4, -5, -6, -8, -11), RRL Notice No. 2005-132: Conformity Assessment Procedures for Electromagnetic Susceptibility

[12/KN24] KN24 (December 2005) with RRL Notice No. 2005-83

Information Technology Equipment - immunity characteristics - limits and methods of measurements

[12/KN24e] KN 24 (Annex 5) with RRA Announce 2010-6 (Dec. 24, 2010)

Conformity Assessment Procedure for EMS (Information technology equipment ? Immunity characteristics ? Limits and methods of measurement)

[12/KN24f] KN 24 (Annex 5) with RRA Announce 2011-31 (Dec. 23, 2011)

Conformity Assessment Procedure for Electromagnetic Susceptibility; with KN24 (Annex 5). K Only

[12/KN2e] KN 61000-4-2 (Annex 1-1) RRA Announce 2010-6 (Dec. 24, 2010)

Conformity Assessment Procedure for EMS (Electrostatic Discharge Immunity Test)

[12/KN2f] KN 61000-4-2 (Annex 1-1) RRA Announce 2011-31(Dec. 23, 2011)

Conformity Assessment Procedure for EMS (Electrostatic Discharge Immunity Test); K only.

[12/KN3] KN 61000-4-3 with RRL Notice No. 2005-83 (Sept. 29, 2005)

Radiated, radio-frequency, electromagnetic field immunity test

[12/KN31] Korea RRL Notice No. 31 (2004)

Conformity Assessment Procedures for Electromagnetic Susceptibility using KN 61000-4-2, KN 61000-4-3, KN 61000-4-4, KN 61000-4-5, KN 61000-4-8, KN 61000-4-11, KN 20, KN 41, and KN 50.

[12/KN3e] KN 61000-4-3 (Annex 1-2) RRA Announce 2010-6 (Dec. 24, 2010)

Radiated, radio-frequency, electromagnetic field immunity test

[12/KN3f] KN 61000-4-3 (Annex 1-2) RRA Announce 2011-31(Dec. 23, 2011)

Radiated, radio-frequency, electromagnetic field immunity test; K only.

[12/KN4e] KN 61000-4-4 (Annex 1-3) RRA Announce 2010-6 (Dec. 24, 2010)

Electromagnetic compatibility (EMC): Testing and measurement techniques - Electrical Fast Transient/Burst Immunity Test

[12/KN4f] KN 61000-4-4 (Annex 1-3) RRA Announce 2011-31(Dec. 23, 2011)

Electromagnetic compatibility (EMC): Testing and measurement techniques - Electrical Fast Transient/Burst Immunity Test; K only

[12/KN5e] KN 61000-4-5 (Annex 1-4) RRA Announce 2010-6 (Dec. 24, 2010)

Conformity Assessment Procedure for EMS (Surge Immunity Test)

[12/KN5f] KN 61000-4-5 (Annex 1-4) RRA Announce 2011-31(Dec. 23, 2011)

Conformity Assessment Procedure for EMS (Surge Immunity Test); K only.

[12/KN6e] KN 61000-4-6 (Annex 1-5) RRA Announce 2010-6 (Dec. 24, 2010)

Electromagnetic compatibility (EMC): Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields

[12/KN6f] KN 61000-4-6 (Annex 1-5) RRA Announce 2011-31(Dec. 23, 2011)

Electromagnetic compatibility (EMC): Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields; K only.

[12/KN70] Korea RRL Notice 70 (2004)

Technical Requirements for Electromagnetic Susceptibility using KN 61000-4-2, KN 61000-4-3, KN61000-4-4, KN 61000-4-5, KN 61000-4-6, KN 61000-4-8, KN 20, KN 41, and KN 51

[12/KN8e] KN 61000-4-8 (Annex 1-6) RRA Announce 2010-6 (Dec. 24, 2010)

Conformity Assessment Procedure for EMS (Power Frequency Magnetic Field Immunity Test)

[12/KN8f] KN 61000-4-8 (Annex 1-6) RRA Announce 2011-31(Dec. 23, 2011)

Conformity Assessment Procedure for EMS (Power Frequency Magnetic Field Immunity Test); K only

[12/RRA0812] RRA Notice 2008-12 (Dec. 16, 2008)

Conformity Assessment Procedure for Electronic Susceptibility (K only)

[12/RRA116] RRA Public Notification 2011-6, K only (January 19, 2011)

Technical Requirements for Electromagnetic Susceptibility (K only)

[12/RRA125] RRA Public Notification 2011-25, K only (Dec 23, 2011)

Technical Requirements for Electromagnetic Susceptibility (K only)

[12/RRA131] RRA Announce 2011-31, K only (Dec 23, 2011)

Conformity Assessment Procedure for Electromagnetic Susceptibility (K only)

• **Product Safety Test Methods**

[12/K60950] K60950-1 Information technology equipment - Safety - Part 1:

Information technology equipment - Safety - Part 1: General (contact laboratory representative for specific test methods)

[12/KRs1] RRL Notice No. 2004-42 (June 10, 2004)

Conformity Assessment Procedure for Type Approval of Telecommunications Terminal Equipment, Appendix 4: Electrical Safety Test Methods

[12/T41e] EN 60950-1, IEC 60950-1 & UL 60950-1 (1st edition): (2001)

Information technology equipment - Safety - Part 1: General requirements

[12/T41f] ANSI/UL 60950-1 (2003) and CAN/CSA 22.2 No. 60950-1

Safety of Information Technology Equipment

[12/T41f1] UL 60950-1 2nd Ed. 2007 and CAN/CSA-C22.2 No. 60590-1-07

Information Technology Equipment ? Safety ? Part 1: General Requirements

[12/T41i] EN 60950-1 (2006), IEC 60950-1 (2005) & UL 60950-1

Information technology equipment - Safety - Part 1: General requirements

[12/T41i3] EN 60950-1 (2006) + A1 (2009)

Information technology equipment - Safety - Part 1: General requirements

[12/T50e] AS/NZS 60950.1 (2003) + A1 (2006) + A2 (2008) + A3 (2008)

Information technology equipment - Safety - Part 1: General Requirements

• **Radio Test Methods**

[12/CTIA]

CTIA Test Plan for Mobile Station Over the Air Performance

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