



Hong Kong Productivity Council – Electromagnetic Compatibility Centre

香港生產力促進局 – 電磁兼容科技中心

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ACCREDITED TEST : Electrical and Electronic Products 電氣及電子產品

CATEGORY
認可測試類別

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Electrical and Electronic Products 電氣及電子產品		
ITEM TESTED OR MEASURED 測試或量度項目	SPECIFIC TEST OR PROPERTY MEASURED 特定測試或量度的特性	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED 規範、標準方法或應用技術
Information technology equipment subject to ICES-003 <Including the following > - Class B Personal computers and peripherals - CPU boards and internal power supplies used with Class B personal computer - External switching power supplies - Audio speakers and peripherals	EMC test :- Emission test - Measurement of radiated emission 30 MHz to 40 GHz - Measurement of conducted emission 9 kHz to 30 MHz	ICES-003 Issue 6 using the methods specified in ANSI C63.4-2014

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Electric and electronic toys	EMC test :- (cont'd) Emission test - Measurement of terminal disturbance voltages 148.5 kHz to 30 MHz - Measurement of disturbance power 30 MHz to 300 MHz - Measurement of radiated disturbance 30 MHz to 1 GHz	CISPR 14-1:2005+A1:2008+A2:2011 EN 55014-1:2006+A1:2009+A2:2011 <i><Excluding the following></i> for the above two standards Cl. 4.2
Household appliances, electric tools and similar apparatus	- Measurement of terminal disturbance voltages 148.5 kHz to 30 MHz - Measurement of disturbance power 30 MHz to 300 MHz	CISPR 14-1:2005+A1:2008+A2:2011 EN 55014-1:2006+A1:2009+A2:2011 <i><Excluding the following></i> for the above two standards Cl. 4.2, 7.3.1.20, 7.3.7.3
Information technology equipment	- Measurement of terminal disturbance voltage 150 kHz to 30 MHz - Measurement of radiated disturbance 30 MHz to 1 GHz - Measurement of radiated disturbance 1 GHz to 6 GHz	CISPR 22: 2008 EN 55022: 2010 <i><Excluding the following></i> for the above two standards Cl. 9.6
Lighting equipment and luminaires	- Measurement of conducted disturbance voltages at mains terminals, load terminals and control terminals 9 kHz to 30 MHz - Measurement of radiated electromagnetic disturbances 9 kHz to 300 MHz	CISPR 15: 2013 EN 55015: 2013 <i><Excluding the following></i> for the above two standards Cl. 4.2, 5.2.3, 5.5.5

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<p>Electrical and electronic apparatus intended for use in residential, commercial and light-industrial environment for which no dedicated product or product-family emission standard exists</p>	<p>EMC test :- (cont'd) Emission test</p> <ul style="list-style-type: none"> - Measurement of terminal disturbance voltage 150 kHz to 30 MHz - Measurement of radiated disturbance 30 MHz to 1 GHz - Measurement of radiated disturbance 1 GHz to 6 GHz 	<p>EN 61000-6-3:2007+A1:2011 IEC 61000-6-3:2006+A1:2010</p>

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Electrical and electronic apparatus intended for use in residential and light-industrial environment for which no dedicated product or product-family immunity standard exists	EMC test :- (cont'd) Immunity test - Radio frequency electromagnetic field - Electrostatic discharge - Fast transient - Radio frequency common mode - Surge	EN 61000-6-1: 2007 IEC 61000-6-1: 2005
Electrical and electronic equipment	- Electrostatic discharge immunity test 15 kV air discharge 8 kV contact discharge	EN 61000-4-2: 2009 IEC 61000-4-2: 2008
	- Radiated, radio frequency electromagnetic field 80 MHz to 1 GHz, 10V/m 1 GHz to 2 GHz, 3V/m 2 GHz to 2.7 GHz, 1V/m	EN 61000-4-3: 2006 + A1: 2008 IEC 61000-4-3: 2006 + A1: 2007
	- Electrical fast transient/burst 4 kV (max.) 5/50ns, 5kHz	EN 61000-4-4: 2012 IEC 61000-4-4: 2012
	- Surge 4 kV(max.)	EN 61000-4-5: 2014 IEC 61000-4-5: 2014 <Excluding the following> for the above two standards Cl. 6.3.3.3
	- Conducted disturbance induced by radio frequency fields 150 kHz to 80 MHz, 3V	EN 61000-4-6: 2014 IEC 61000-4-6: 2013

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<p>Land mobile service radio equipment with an internal or external RF connector intended primarily for analogue speech</p> <p>Land mobile service radio equipment using integral antennas intended primarily for analogue speech</p>	<p>Telecommunications equipment test :-</p> <p>- Test For Transmitter: - Maximum effective radiated power - Unwanted emissions in the spurious domain</p> <p>- Test For Receiver: - Spurious radiations</p> <p>- Test For Transmitter: - Effective radiated power - Radiated unwanted emissions in the spurious domain</p> <p>- Test For Receiver: - Spurious radiations</p>	<p>ETSI EN 300 086-1: 2010</p> <p>ETSI EN 300 296-1: 2010</p>