



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
Unintentional radiator	EMC test :- Emission test - Measurement of radiated emission 9 kHz to 40 GHz - Measurement of conducted emission 150 kHz to 30 MHz	47 CFR Part 15 Subpart A and Subpart B using the methods specified in ANSI C63.4-2014
Intentional radiator	- Measurement of radiated emission 9 kHz to 40 GHz - Measurement of conducted emission 150 kHz to 30 MHz	47 CFR Part 15 Subpart A and Subpart C using test-method specified in ANSI C63.10-2013
Information technology equipment	- Measurement of radiated emission 9 kHz to 40 GHz - Measurement of conducted emission 150 kHz to 30 MHz	ICES-003 Issue 6, January 2016 (updated April 2017) using the methods specified in ANSI C63.4-2014

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Electric and electronic toy	EMC test :- 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 <Excluding the following> for the above two standards Cl. 4.2
Household appliance, electric tool 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 <Excluding the following> for the above two standards Cl. 4.2, 7.3.1.20, 7.3.7.3
Lighting equipment and luminaire	- 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 <Excluding the following> for the above two standards Cl. 4.2, 5.2.3, 5.5.5
Multimedia equipment	- Measurement of radiated emission 30 MHz to 6 GHz - Measurement of conducted emission 150 kHz to 30 MHz	CISPR 32: 2015 + Corr. 2016 EN 55032: 2015 + AC: 2016 <Excluding the following> for the above two standards Tables A.7, A.11, A.12, A.13
Information technology equipment	- Measurement of terminal disturbance voltage 150 kHz to 30 MHz - Measurement of radiated disturbance 30 MHz to 6 GHz	CISPR 22: 2008 EN 55022: 2010 <Excluding the following> for the above two standards Cl. 9.6

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<p>Electrical and electronic equipment having an input current up to 16A and connected to a single-phase supply system of 220V, 230V or 240V at 50 Hz or 60 Hz</p>	<p>EMC test :- Emission test</p> <p>- Harmonic current</p>	<p>EN 61000-3-2: 2006 + A2: 2009 IEC 61000-3-2: 2005 + A1: 2008+ A2: 2009</p> <p>< Excluding the following > for the above two standards Cl. 4 (professional equipment), C.2, C.3, C.8, C.12, C.14</p> <p>EN 61000-3-2: 2014 IEC 61000-3-2: 2014</p> <p>< Excluding the following > for the above two standards Cl. 4 (professional equipment), C.2, C.3, C.8, C.12, C.14, C.15</p>
<p>Electrical and electronic equipment having an input current up to 16A and connected to a single-phase supply system of 220 to 250V at 50 Hz</p>	<p>Voltage changes, voltage fluctuations and flicker</p> <p>- Short-term flicker severity, Pst - Long-term flicker severity, Plt - Maximum steady state voltage change, dc - Maximum absolute voltage change, dmax - Maximum time duration that the voltage deviation exceeds the limit for dc, Tmax</p>	<p>EN 61000-3-3: 2013 IEC 61000-3-3: 2013</p> <p>< Excluding the following > for the above two standards Cl. 4.2.3, 4.2.4, A.3, A.4, A.12, A.13, A.14, A.15</p>
<p>Electrical and electronic apparatus intended for use in residential, commercial and light-industrial environments for which no dedicated product or product-family emission standard exists</p>	<p>- Measurement of terminal disturbance voltage 150 kHz to 30 MHz - Measurement of radiated disturbance 30 MHz to 6 GHz</p>	<p>EN 61000-6-3:2007+A1:2011 IEC 61000-6-3:2006+A1:2010</p>

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Multimedia equipment	EMC test :- Immunity test - Radio frequency electromagnetic field - Electrostatic discharge - Fast transient - Radio frequency common mode - Surge	CISPR 35: 2016 EN 55035: 2017 < <i>Excluding the following</i> > for the above two standards Annexes A, E, F, G, H
Electrical and electronic apparatus intended for use in residential, commercial and light-industrial environments for which no dedicated product or product-family emission standard exists	- 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 - Radiated, radio frequency electromagnetic field 80 MHz to 1 GHz, 10V/m 1 GHz to 6 GHz, 3V/m - Electrical fast transient/burst 4 kV (max.) 5/50ns, 5kHz - Surge 4 kV(max.) - Conducted disturbance induced by radio frequency fields 150 kHz to 80 MHz, 3V	EN 61000-4-2: 2009 IEC 61000-4-2: 2008 EN 61000-4-3: 2006 + A2: 2010 IEC 61000-4-3: 2006 + A1: 2007 + A2: 2010 EN 61000-4-4: 2012 IEC 61000-4-4: 2012 EN 61000-4-5: 2014 IEC 61000-4-5: 2014 < <i>Excluding the following</i> > for the above two standards Cl. 6.3.3.3 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>Telecommunications equipment test :-</p> <ul style="list-style-type: none"> - Test For Transmitter: <ul style="list-style-type: none"> - Maximum effective radiated power - Unwanted emissions in the spurious domain - Test For Receiver: <ul style="list-style-type: none"> - Spurious radiations 	<p>ETSI EN 300 086-1: 2010</p>
<p>Land mobile service radio equipment using integral antennas intended primarily for analogue speech</p>	<ul style="list-style-type: none"> - Test For Transmitter: <ul style="list-style-type: none"> - Effective radiated power - Radiated unwanted emissions in the spurious domain - Test For Receiver: <ul style="list-style-type: none"> - Spurious radiations 	<p>ETSI EN 300 296-1: 2010</p>