



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 C63.4a-2017
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 7, October 2020 using the methods specified in ANSI C63.4a-2017

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Licence-exempt radio apparatus: category I equipment	EMC test :- Emission test - Measurement of radiated emission - 9 kHz to 40 GHz - Measurement of conducted emission - 150 kHz to 30 MHz - Measurement of conducted emission at antenna terminal - 9 kHz to 40 GHz	RSS-210 Issue 10, December 2019 + Amendment (April 2020) in conjunction with RSS-Gen Issue 5, April 2018 (Amendment 1, March 2019) using test methods specified in ANSI C63.10: 2013
Licence-exempt radio apparatus: category II equipment	- Measurement of radiated emission - 9 kHz to 40 GHz - Measurement of conducted emission - 150 kHz to 30 MHz - Measurement of conducted emission at antenna terminal - 9 kHz to 40 GHz	RSS-310 Issue 5, January 2020 + Amendment (April 2020) in conjunction with RSS-Gen Issue 5, April 2018 (Amendment 1, March 2019) using test methods specified in ANSI C63.10: 2013
Digital transmission system, frequency hopping system and licence-exempt local area network device without dynamic frequency selection	- Measurement of radiated emission - 9 kHz to 40 GHz - Measurement of conducted emission - 150 kHz to 30 MHz - Measurement of conducted emission at antenna terminal - 9 kHz to 40 GHz	RSS-247 Issue 2, February 2017 in conjunction with RSS-Gen Issue 5, April 2018 + Amendment 1 (March 2019) using test methods specified in ANSI C63.10: 2013

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Electric and electronic toy	EMC test :- Emission test - Measurement of disturbance voltage 150 kHz to 30 MHz - Measurement of disturbance power 30 MHz to 300 MHz - Measurement of radiated disturbance 30 MHz to 6 GHz	CISPR 14-1: 2020 EN IEC 55014-1: 2021 <i><Excluding the following></i> for the above two standards Cl. 4.4, 5.4.2
Household appliance, electric tool and similar apparatus	- Measurement of disturbance voltage 150 kHz to 30 MHz - Measurement of disturbance power 30 MHz to 300 MHz - Measurement of radiated disturbance 30 MHz to 6 GHz	CISPR 14-1: 2020 EN IEC 55014-1: 2021 <i><Excluding the following></i> for the above two standards Cl. 4.3.2, 4.4, 5.4.2, A.1.10, A.1.11, A.1.20, A.8.3
Industrial, scientific and medical (ISM) equipment <i>< Excluding the following ></i> - three phase equipment - electric welding equipment - ISM RF lighting equipment - medium voltage and high voltage switchgear - grid connected power converters	- Measurement of terminal disturbance voltages - 9 kHz to 30 MHz - Measurement of radiated disturbance - 9 kHz to 18 GHz	CISPR 11: 2009 + A1: 2010 EN 55011: 2009 + A1: 2010 <i><Excluding the following></i> for the above two standards Cl. 6.4, 7.6.8 and 10; Table 10
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 <i><Excluding the following></i> for the above two standards Cl. 9.6
Lighting equipment and luminaire	- Measurement of conducted disturbance 9 kHz to 30 MHz - Measurement of radiated disturbance 9 kHz to 1 GHz	CISPR 15: 2018 EN IEC 55015: 2019 <i><Excluding the following></i> for the above two standards Cl. 9.3.4.2, 9.3.4.3, 9.3.4.4

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Multimedia equipment	EMC test :- Emission test - Measurement of radiated emission 30 MHz to 6 GHz - Measurement of conducted emission 150 kHz to 30 MHz	CISPR 32: 2015 + A1: 2019 EN 55032: 2015 + A1: 2020 <Excluding the following> for the above two standards Tables A.7, A.11, A.12, A.13
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	- Measurement of harmonic current	IEC 61000-3-2: 2018 + A1: 2020 EN IEC 61000-3-2: 2019 + A1: 2021 < Excluding the following > for the above two standards Cl. 4 (professional equipment), B.2, B.3, B.8, B.12, B.14, B.15
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	- Measurement of voltage change, voltage fluctuation and flicker - 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	IEC 61000-3-3: 2013 + A1: 2017 + A2: 2021 EN 61000-3-3: 2013 + A2: 2021 < 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
Electrical and electronic apparatus intended for use in residential environment for which no relevant dedicated product or product-family EMC emission standard exists or product-family emission standard exists	- Measurement of terminal disturbance voltage 150 kHz to 30 MHz - Measurement of radiated disturbance 30 MHz to 6 GHz - Measurement of terminal disturbance voltage 150 kHz to 30 MHz - Measurement of radiated disturbance 30 MHz to 6 GHz	EN 61000-6-3:2007+A1:2011 IEC 61000-6-3:2006+A1:2010 EN IEC 61000-6-3: 2021 IEC 61000-6-3: 2020

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Multimedia equipment	EMC test :- Immunity test	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 relevant dedicated product or product-family EMC immunity 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
	- Radio frequency electromagnetic field - Electrostatic discharge - Radio frequency common mode - Voltage dip - Voltage interruption - Surge - Fast transient	IEC 61000-6-1: 2016 EN IEC 61000-6-1: 2019 < <i>Excluding the following</i> > for the above two standards Item 1.1 of Table 1

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Electrical and electronic equipment	EMC test :- Immunity test - Electrostatic discharge immunity test 15 kV air discharge 8 kV contact discharge - Radiated, radio frequency electromagnetic field 80 MHz to 1 GHz 10 V/m 1 GHz to 6 GHz 3 V/m - Radiated, radio frequency electromagnetic field 80 MHz to 2.7 GHz 10 V/m 2.7 GHz to 6 GHz 3 V/m - Electrical fast transient/burst 4 kV (max.) 5/50ns, 5kHz - Surge up to 4 kV - Conducted disturbance induced by radio frequency fields 150 kHz to 80 MHz, 3V - Voltage dip - Short interruption - Voltage variation	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 IEC 61000-4-3: 2020 EN IEC 61000-4-3: 2020 EN 61000-4-4: 2012 IEC 61000-4-4: 2012 IEC 61000-4-5: 2014 + A1: 2017 EN 61000-4-5: 2014 + A1: 2017 < <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 IEC 61000-4-11: 2020 EN IEC 61000-4-11: 2020