

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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| 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 |
| 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 |

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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 <i><Excluding the following></i> 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 <i><Excluding the following></i> 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 <i><Excluding the following></i> 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 <i><Excluding the following></i> 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 <i><Excluding the following></i> for the above two standards Cl. 9.6 |

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| 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 | EMC test :- Emission test - Harmonic current | EN 61000-3-2: 2006 + A2: 2009 IEC 61000-3-2: 2005 + A1: 2008+ A2: 2009 < <i>Excluding the following</i> > for the above two standards Cl. 4 (professional equipment), C.2, C.3, C.8, C.12, C.14 EN 61000-3-2: 2014 IEC 61000-3-2: 2014 < <i>Excluding the following</i> > for the above two standards Cl. 4 (professional equipment), C.2, C.3, C.8, C.12, C.14, C.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 | Voltage changes, voltage fluctuations 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 | EN 61000-3-3: 2013 IEC 61000-3-3: 2013 < <i>Excluding the following</i> > 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, commercial and light-industrial environments for which no dedicated product 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 | EN 61000-6-3:2007+A1:2011 IEC 61000-6-3:2006+A1:2010 |

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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 |