

EUROPE, US, CANADA & AUSTRALIA

ELECTRONIC TOYS TESTING & CERTIFICATION

The evolving digital lifestyle of consumers worldwide has become the largest growth driver for the electronic toys market. For traditional toys manufacturers, electronic toys with artificial intelligence are emerging as the key market focus for the next few years.



Intertek Hong Kong has long been offering testing and certification services for electronic toy manufacturers with reputable praise. We have received numerous accreditations from all major countries:

- Certification Body's Testing Laboratory for IECEE (CB Scheme)
- Recognized Testing Laboratory for FCC
- Nationally Recognized Testing Laboratory (NRTL) to perform full Canada/US Safety Testing and Certification Body for ETL(C/US)
- Accredited Testing Laboratory for Hong Kong Laboratory Accreditation Scheme (HOKLAS)

Specifically for Australia, Europe, US and Canada, there are a number of electrical safety requirements in addition to the general safety and chemical requirements for toys. The following sections will further illustrate the electrical (EMC) standards.

Requirements for Electronic Toys / Motor Toys

Europe*:

- EN55014-1:2006/A1:2009 +A2:2011
- EN55014-2:1997+A1:2001+A2:2008

US:

- FCC Part 15:2017
- No testing is needed to comply with FCC standard for motor toys only

Canada:

- ICES-003:2016 Issue 6
- No testing is needed to comply with FCC standard for motor toys only

Australia:

- AS/NZS CISPR 14.1:2013

Requirements for RF Control Toy Set (27/40 & 27/49MHz)

Europe*:

- EN300220-2 V3.1.1
- EN301489-3 V2.1.1 (Draft)

US:

- FCC Part 15:2017 Certification

Canada:

- RSS-310:2015 Issue 4

Australia:

- AS/NZS 4268:2017
- AS/NZS CISPR 14.1:2013

Requirements for RF Control Toy Set (2.4GHz<10mw)

Europe*:

- EN300440-2 V2.1.1

- EN301489-3 V2.1.1 (Draft)

US:

- FCC Part 15:2017 Certification + TCB Review

Canada:

- RSS-210:2016 Issue 9 + FCB Review

Australia:

- AS/NZS 4268:2017
- AS/NZS CISPR 14.1:2013

Requirements for RF Control Toy Set (2.4GHz Bluetooth/Wi-Fi)

Europe*:

- EN300328 V2.1.1
- EN301489-17 V3.2.0 (Draft)

US:

- FCC Part 15:2017 Certification + TCB Review

Canada:

- RSS-210:2016 Issue 9 + FCB Review

Australia:

- AS/NZS 4268:2017
- AS/NZS CISPR 14.1:2013



Requirements for 13.56MHz RF Inductive Toys

Europe*:

- EN300330-2:V2.1.1
- EN301489-3:V2.1.1 (Draft)

US:

- FCC Part 15:2017 Certification + TCB Review

Canada:

- RSS-210:2016 Issue 9 + FCB Review

Australia:

- AS/NZS 4268:2017
- AS/NZS CISPR 14.1:2013



Requirements for Computer Peripherals

Europe*:

- EN55014-1:2006/A1:2009+A2:2011
- EN55014-2:1997+A1:2001+A2:2008
- EN55032:2012
- EN55024:2010

US:

- FCC Part 15:2017 SDoC

Canada:

- ICES-003:2016 Issue 6

Australia:

- AS/NZS CISPR 32:2015

* For products powered by AC/DC adaptor, EN61000-3-2 and EN61000-3-3 will also be applied.

Other Services

Europe:

- UKAS Certification
- HOKLAS Report for EMC Tests
- EMC Certificate for Products with Passive Components only
- EN55014-1:2006/A1:2009+A2:2011
- EN55014-2:1997+A1:2001+A2:2008 (Toys without Motors and Active electronics)

US:

- Assessment for Products with Passive Components only
- FCC Part 15:2017 SDoC (Toys without Motors, ICs and Transistors)
- FCC Grantee Code Registration

Canada:

- Assessment for Products with Passive Components only
- ICES-003:2016 Issue 6 (Toys without ICs and Transistors)
- IC Company Code Registration

Bluetooth Qualification and SIG Listing

Intertek Hong Kong offers you the total solution to satisfy the various test requirements for products with the integration of Bluetooth wireless technology and to help accelerating your outreach to the global market.

Modification Services for Electronic Toys

Intertek Hong Kong can also provide modification services for all electronic and motor toys to assist you in having your product to pass the necessary tests.



Intertek

FOR MORE INFORMATION



Danny Chong +852 2173 8543
Vincent Chan +852 2173 8561
Ryan Lam +852 2173 8498



danny.chong@intertek.com
vincent.wh.chan@intertek.com
ryan.ph.lam@intertek.com



intertek.com.hk