

Smart & Safe, Go Global

One-stop Testing Solution for AI Voice & Electronic Toys Across 5 Major Markets



As AI and IoT technologies become more popular, smart electronic toys have become a global trend. To fully ensure user safety, countries worldwide are becoming increasingly strict regarding electronic safety, wireless communication, children's personal privacy and cybersecurity.

STC (Hong Kong Standards and Testing Centre)

provides one-stop testing and certification services. Keeping pace with the latest standards in the 5 key markets, we help your innovative products fully meet the requirements of major markets in Europe, America and Asia, facilitating smooth global market entry with safety and compliance ensured.

5 Key Markets' Core Certifications & Standards



Target Market	Core Certifications & Standards
Europe	EN 71, EN 62115, EN 62368-1 (Audio), EU RED (Cybersecurity), CE Mark
USA	CPSC, ASTM F963-23, 16 CFR 1263 (Button Batteries), FCC Part 15 (Wireless)
Canada	CCPSA (SOR/2011-17), CSA C22.2, ISED (Wireless)
Japan	ST Mark, PSE Mark, J55014-1 (EMC), TELEC / MIC Approval (Bluetooth/Wi-Fi)
China	CCC Certification (GB 6675 / GB 19865), SRRC (Wireless)

4 Core Testing Highlights for AI & Electronic Toys



Acoustic & Audio Safety

Sound pressure level (acoustics) testing to prevent high-decibel volume from damaging children's hearing.

Battery & Mechanical Safety

Including captive screw (anti-loss screw) retention, battery compartment accessibility safety, motor overheating and short-circuit fire prevention.

EMC & Wireless Compliance

Electromagnetic compatibility (EMC) testing and radio frequency (RF) wireless type approval for Bluetooth and Wi-Fi transmission.

AI Data Privacy & Cybersecurity

Security assessment focusing on audio and video data encryption via microphones and lenses alongside user privacy protection.



For details, reach out to us now.



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