



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 17626.4-2018

**Electromagnetic compatibility -- Testing and measurement
techniques -- Electrical fast transient/burst immunity test**

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Foreword

GB/T 17626 "Electromagnetic compatibility - Testing and measurement

techniques" currently consists of the following parts.

- GB/T 17626.1-2006 Electromagnetic compatibility - Testing and measurement techniques - Overview of immunity tests;
- GB/T 17626.2-2018 Electromagnetic compatibility - Testing and measurement techniques - Electrostatic discharge immunity test;
- GB/T 17626.3-2016 Electromagnetic compatibility - Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test;
- GB/T 17626.4-2018 Electromagnetic compatibility - Testing and measurement techniques - Electrical fast transient/burst immunity test;
- GB/T 17626.5-2008 Electromagnetic compatibility - Testing and measurement techniques - Surge immunity test;
- GB/T 17626.6-2017 Electromagnetic compatibility - Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields;
- GB/T 17626.7-2008 Electromagnetic compatibility - Testing and measurement techniques - General guide on harmonics and interharmonics measurements and instrumentation, for power supply systems and equipment connected thereto;
- GB/T 17626.8-2006 Electromagnetic compatibility (EMC) - Part 4-8. Testing and measurement techniques - Power frequency magnetic field immunity test;
- GB/T 17626.9-2011 Electromagnetic compatibility - Testing and measurement techniques - Pulse magnetic field immunity test;
- GB/T 17626.10-2017 Electromagnetic compatibility - Testing and measurement techniques - Damped oscillatory magnetic field immunity test;
- GB/T 17626.11-2008 Electromagnetic compatibility - Testing and measurement techniques - Voltage dips, short interruptions and voltage

variations immunity tests;

- GB/T 17626.12-2013 Electromagnetic compatibility - Testing and measurement techniques - Ring wave immunity test;
- GB/T 17626.13-2006 Electromagnetic compatibility (EMC) - Testing and measurement techniques - Harmonics and interharmonics including mains signalling at a.c. power port, low frequency immunity test;
- GB/T 17626.14-2005 Electromagnetic compatibility - Testing and measurement techniques - Voltage fluctuation immunity test;
- GB/T 17626.15-2011 Electromagnetic compatibility - Testing and measurement techniques - Flickermeter - Functional and design specifications;
- GB/T 17626.16-2007 Electromagnetic compatibility - Testing and measurement techniques - Test for immunity to conducted, common mode disturbances in the frequency range 0 Hz to 150 kHz;
- GB/T 17626.17-2005 Electromagnetic compatibility - Testing and measurement techniques - Ripple on d.c. input power port immunity test;
- GB/T 17626.18-2016 Electromagnetic compatibility - Testing and measurement techniques - Damped oscillatory wave immunity test;
- GB/T 17626.20-2014 Electromagnetic compatibility - Testing and measurement techniques - Emission and immunity testing in transverse electromagnetic (TEM) waveguide;
- GB/T 17626.21-2014 Electromagnetic compatibility - Testing and measurement techniques - Reverberation chamber test methods;
- GB/T 17626.22-2017 Electromagnetic compatibility (EMC) - Testing and measurement techniques - Radiated emissions and immunity measurements in fully anechoic rooms (FARs);
- GB/T 17626.24-2012 Electromagnetic compatibility - Testing and measurement techniques - Test methods for protective devices for HEMP

conducted disturbance;

- GB/T 17626.27-2006 Electromagnetic compatibility (EMC) - Testing and measurement techniques - Unbalance immunity test;
- GB/T 17626.28-2006 Electromagnetic compatibility (EMC) - Testing and measurement techniques - Variation of power frequency, immunity test;
- GB/T 17626.29-2006 Electromagnetic compatibility (EMC) - Testing and measurement techniques - Voltage dips, short interruptions and voltage variations on d.c. input power port immunity tests;
- GB/T 17626.30-2012 Electromagnetic compatibility - Testing and measurement techniques - Power quality measurement methods;
- GB/T 17626.34-2012 Electromagnetic compatibility - Testing and measurement techniques - Voltage dips, short interruptions and voltage variations immunity tests for equipment with mains current more than 16 A per phase.

This Part is Part 4 of GB/T 17626.

This Part is drafted in accordance with the rules given in GB/T 1.1-2009.

This Part replaces GB/T 17626.4-2008 "Electromagnetic compatibility - Testing and measurement techniques - Electrical fast transient/burst immunity test".

Compared with GB/T 17626.4-2008, the main technical changes are as follows.

- DELETE the reference standard IEC 60050-300.2001, International Electrotechnical Vocabulary Electrical and Electronic Measurements and Measuring Instruments Part 311.General Terms Relating to Measurements; Part 312.General Terms Relating to Electrical Measurements; Part 313.Types of Electrical Measuring Instruments; Part 314.Specific Terms According to the Type of Instrument (see Clause 2);
- ADD 1 term and definition (see 3.1.1);
- ADD the abbreviations (see 3.2);
- DELETE the main components of the test generator (see 6.2.1);