

China issued new EMC standards of IT/AV and lamps

Standardization Administration of China (SAC) released the 17th announcement on 2021/12/31 to reveal the new EMC standards for IT/AV and lamps respectively. More details are listed as follows:

(1) New standard numbers:

- ◆ **GB/T 17743-2021**: corresponding to **CISPR 15:2018** (Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment) will replace GB/T17743-2017
- ◆ **GB/T 9254.1 2021** : corresponding to **CISPR32:2015** (Information technology equipment, multimedia equipment and the receivers, electromagnetic compatibility--part 1: Emission requirements) will replace GB/T 9254-2008 and GB/T 13837-2012.
- ◆ **GB/T 9254.2 2021 2021** : corresponding to **CISPR 35:2016** (Information technology equipment, multimedia devices and receiver of electromagnetic compatibility Part 2: immunity requirements) will replace GB/T 9383-2008, GB/T 17618-2015.

(2) Implementation date:

2022-07-01

(3) Impact:

Since GB/T 17743-2021 and GB/T 9254.1 2021 are compulsory Standards, the CCC certificates of LED and IT products will need to be updated to comply with the new standards.

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(4) Evaluation and response

- ◆ Since GB/T 9254.1 2021 corresponds to CISPR32:2015 and we have updated the CE-EMC report based on latest version of CISPR 32 , supposedly, our products can meet the requirements of this new standard.

According to the **technical expert committee of CCC** and the notice of CQC, the standard can be updated from now on, but the deadline of revision has not been set.

- ◆ GB/T 17743-2021 corresponds CISPR 15:2018 and we have updated the CE-EMC report based on CISPR 15:2018 , :
 - 1) the requirement of RE test is extended to 30 MHZ - 1 GHz from 30 MHZ-300 MHZ, so we need to conduct **re-test of RE for CCC certification**.
 - 2) **different RE testing setup are required** for external module and internal module respectively. According to the actual application of our client, we will apply for standard update based on the testing setup of internal module.
 - 3) According to the **technical expert committee of CCC** and the notice of CQC, the standard can be updated from now on, and the reversion has to be completed by 2023/7/1.