



American National Standards Committee C63 - EMC

C63.2.2

Specifications for Conducted Emission Measurement Transducers

Report to SC1

Oct. 7, 2025

American National Standards Committee C63 – EMC, SC1, C63.2.2

C63.2.2 WG:

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C63.2.2 PINS:

May 6, 2025

Abstract: This project will create a new standard for ancillary equipment used in performing conducted emission measurements. The most important part is the LISN, but the standard will also include other equipment used for conducted emission measurements, such as the voltage probe for in situ measurements. It will incorporate, as necessary, corresponding material that is currently in C63.4, C63.29 and C63.30.

Need: Since this ancillary equipment (and in particular the LISN) is used for conducted emissions tests by many C63 standards, it is beneficial to have the corresponding requirements in a separate C63 standard, which can then be referred to by any C63 product-specific standard.

Activity:

- PINS approved at the previous meeting (May 2025), by both SC1 and C63 main committee.
- Meetings:
 - WG has had three meetings so far: July 9, August 12, and September 9.
 - Next meeting is scheduled for November 18. See the shared [C63 meeting calendar](#).
 - Agendas, meeting minutes, the C63.2.2 draft, and other files are in the [C63.2.2 restricted folder](#).
- The WG looked at older versions of C63.2 (when it still had “sensors”), but decided there is nothing that can be reused from those documents.
- The two LISNs currently in C63.4 were carried over in the new C63.2.2 (50/250μH LISN and 50μH LISN, for the 9-150kHz and 0.15-30MHz frequency ranges, respectively). The corresponding requirements were taken from the latest draft of next edition of C63.4 (aligned with CISPR 16-1-2) and not from the published C63.4-2014.

Activity (continued):

- The 5 μ H LISN was added too, from CISPR 16-1-2 (for the 0.15-30MHz frequency range), because this is called in C63.29 for high-power dimmers. This LISN is also specified (with very minor differences) in FCC's MP-5, which is currently the test method for ISM equipment.
- The voltage probe was also added, from the latest draft of next edition of C63.4. Only the specification and requirements for the voltage probe were carried over, not the test method.
- The WG decided not to include requirements for preamplifiers (best place for that is in C63.2, together with the receiver) or other passives (such as cables, attenuators, filters).

Future activity:

- The draft C63.2.2 is now complete. The WG still has to address various minor text updates and should have a final draft for balloting after a few more meetings.