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American National Standards Committee C63 - EMC

C63.2.3

Specifications for Antennas

Report to SC1

May 5, 2026

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American National Standards Committee C63 – EMC, SC1, C63.2.3

C63.2.3 WG:

Chair:	Horia Popovici		
Vice chair:	Jens Medler		
Secretary:	Jerry Ramie		
Members:	Nicholas Abbondante	Michael Heckrotte	Pelin Salem
	Jose Cuevas	Harry Hodes	Werner Schäfer
	Bob DeLisi	Jeff Klinger	Matt Simons
	Wayne Fisher	John Lichtig	Mark Terrien
	William Graff	Bob Mitchell	Warwick Wong
	Andy Griffin	Nate Potts	Dave Zimmerman
	(new members)		

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New member:

Nate Potts (Keysight)

application / resume

Joined the WG at the Feb. 10, 2026, meeting

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C63.2.3 PINS:

May 6, 2025

Abstract: This project will create a new standard for ancillary equipment used in performing radiated emission measurements. The most important part is the antenna, but the standard will also include other equipment used for radiated emission measurements. It will incorporate, as necessary, corresponding material that is currently in C63.4, C63.25.1 and C63.25.2.

Need: Since this ancillary equipment (and in particular the antenna) is used for radiated 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 and the C63.25-series of site validation standards.

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Activity:

- PINS approved at the May 2025 meeting, by both SC1 and C63 main committee.
- Meetings:
  - WG has had eight meetings so far (from July 15, 2025, to May 4, 2026).
  - No new meetings scheduled for now.
  - Agendas, meeting minutes, the C63.2.3 draft, and other files are in the C63.2.3 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 antenna requirements from the latest draft of next edition of C63.4 were carried over into the new C63.2.3 draft document, but the material was then simplified (removed the many table footnotes that just repeated requirements already in the text).

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Activity (continued):

- The antenna table for the first two activities listed in C63.4 (frequency identification and comparison measurements) was removed, and these activities are now only mentioned in a note.
- The large loop antenna system (LLAS) was also added, from the latest draft of next edition of C63.29. This is currently used in C63.29 and C63.30, and it will also be called in C63.31. As in the published C63.29/C63.30, the LLAS requirements are the same as in CISPR 16-1-4, except that the 1V/A "sensitivity" is a recommendation (not a requirement) and that C63.2.3 recommends calibrating each of the three LLAS sensors. The requirements currently in the published C63.29/C63.30 were augmented to also include the "non-standard" LLAS of 3m and 4m, same as in CISPR 16-1-4.
- C63.2.3 also includes the "hybrid qualification" annex of C63.4.

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Activity (continued):

- The WG decided not to include requirements for preamplifiers (best place for that is in C63.2, together with the receiver).
- On other passives (such as cables, attenuators, filters), the WG decided to have these only in one standard, not both, and that the best place for them is in C63.2.2. This was subsequently discussed in the C63.2.2 WG, which decided not to include these in that standard either.
- The document was finalized at the May 4, 2026, meeting and will now go through a final review by the WG members before starting the balloting process.

Future activity:

- If there are comments from WG members, a new meeting will be scheduled for addressing those. Otherwise, the draft will be sent to SC1 for balloting.

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