C63® American National Standards Committee C63®

Electromagnetic Compatibility

Subcommittee 3: International Standardization

Chair: Ernesto Mendoza **Vice Chair: VACANT** **Secretary: Jerry Ramie**

Web Meeting
April 10, 2026; 1:00 PM – 3:00 PM - EDT

Approved Minutes

1. Call to Order: Chair - The meeting was called to order at 1:02 PM-EDT

1.1 Announcements: Chair's remarks – Welcome to the meeting!

1.2 Meeting logistics announcements: Host (N/A)

1.3 Introductions: Secretary – roll call (attending members with their affiliations and guests are recorded separately below)

1.4 Present membership: Report any roster errors to the ANSC-C63® Secretary

Subcommittee 3 Membership Roster. See errors, absences and excused absences below:

Name	Role within Subcommittee 3	Affiliation
Abbondante, Nick	Liaison Member, SC4 Chair US CISPR/A Technical Advisor	Intertek (Primary)
Braxton, Tom	Chair Subcommittee 5	ARRL (Expert)
Channas, Robert	Chair Subcommittee 2	DISA (Primary)
~~Coder, Jason~~ Omar	Chair Subcommittee 7	NIST (Primary)
DeLisi, Bob	Chair ANSC-C63	UL LLC (Primary)
Fanning, Craig	Liaison Member CISPR/D Chair US CISPR/D Technical Advisor	Elite Electronic Engineering (Primary)
Griffin, Andy	Chair Subcommittee 1, TC77 TAG Advisor, US CISPR/H Technical Advisor	CISCO Systems (Primary)
Hodes, Harry	Member	Consultant (Individual)
Hoolihan, Dan	Member	Hoolihan EMC Consulting (Individual)
Klinger, Jeff	Member	Individual
Kramer, Doug	Chair Subcommittee 6	Apple Inc. (Technical Expert)
Mendoza, Ernesto	Chair Subcommittee 3 US CISPR Technical Advisor US CISPR/DTA US CISPR/F Technical Advisor US CISPR/TC-77A/DTA US CISPR/TC-77	Signify
Popovici, Horia	Member	Innovation, Science and Economic Development Canada (Alternate)
Potts, Nate	Member	Keysight Technologies (Primary)
Schaefer, Dave	Chair Subcommittee 8	Element Materials Technology
Non-Voting Members		
~~Arnett, Dave~~	~~Liaison Member~~ ~~US CISPR/I Technical Advisor~~	~~Garmin~~
Cibulka, Michael	Liaison Member	MC Lab Services

Hofmann, H.R. (Bob)	**Emeritus Member**	**Hofmann EMC Engineering**
Jones, Steve	**Emeritus Member**	
Pettit, Ghery	~~**Liaison Member CISPR/I Chair**~~	~~**Pettit EMC Consulting, LLC**~~

Guests and Observers: (non-voting) Jerry Ramie, Cathy Miller, Jason Coder,

Dave Arnett has retired, replaced by Kiran Kumar (AI-170: Ernesto to contact Kiran Kumar regarding joining SC3) (Ghery is resigning from SC3 and is no longer active in CISPR-I, replaced by Beniamino Gorini) AI-171: Bob to contact Omar about joining SC3. The SC3 roster was corrected 4/10/2026.

1.5 Quorum: (50% of roster) constitutes a quorum. (rounding up) (15 roster members / 2 = 7.5 >> 8 (therefore **8 people** are required for a quorum) **Was quorum achieved? (Yes)** If not, any actions taken are subject to confirmation by electronic ballot or at a future meeting. (Quorum is not required for Working Group meetings)

2. Approval of the Consent Agenda (includes Agenda & previous Minutes): Secretary - The Agenda and previous Minutes were approved by consensus (Approved Previous Minutes)

2.1 Review of the patent slides – The Patent slides were shown and all agreed to the terms.

3. Review of Subcommittee Membership, - Report any errors to the Secretary

3.1 Review of Membership Guidelines

Subcommittees:
For an individual to remain a voting member of a Subcommittee, active participation in Subcommittee meetings and regular responses to Subcommittee email votes is required. Should a member fail to attend at least one of three consecutive scheduled meetings (in person or remotely via web conference (when used)) or respond to at least one of every two consecutive Subcommittee email votes, their membership in that Subcommittee may be at risk.

Note: Abstentions shall be treated the same as a "yes" or "no" vote regarding the requirement to respond to email votes.

Member Attendance Log: Any errors in the log?

8/25/21	12/15/21	3/2/22	5/17/22	11/8/22	2/22/23	5/10/23	10/3/23	5/15/24	10/2/24	5/7/25	10/8/25	Full Name
x	x	x	x	x	x	x	x	x	x	x	x	Abbondante, Nick
							x	x	x	x	x	Braxton, Tom
x	x		x	x	x	x	x	x		x		Coder, Jason
x	x	x	x	x	x	x	x	x	x	x	x	DeLisi, Bob
x	x	x	x	x		x	x		x	x	x	Fanning, Craig
x		x	x	x	x		x		x	x	x	Griffin, Andy
									x			Hodes, Harry
x	x	x	x	x	x	x		x	x	x		Hoolihan, Dan
		x	x	x	x	x	x	x		a		Klinger, Jeff
	x	x	x	x	x	x	x		x			Kramer, Doug
a	x	x	a	x	a	x	x	x	x	x	x	Mendoza, Ernesto
a	x	x	x		x			x		x	x	Popovici, Horia
x	x		x	x		x	x		x		x	Potts, Nate
x			x		x	x			x	x		Channas, Robert
	x								x	x	x	Arnett, Dave
x		x				x			x	x		Cibulka, Michael
	x	x			x							Hofmann, H.R.
x		x	x	x		x						Jones, Steve
	a	x	x		x		x					Pettit, Ghery
x	x	x	x		x	x	x	x	x	x	x	Ramie, Jerry

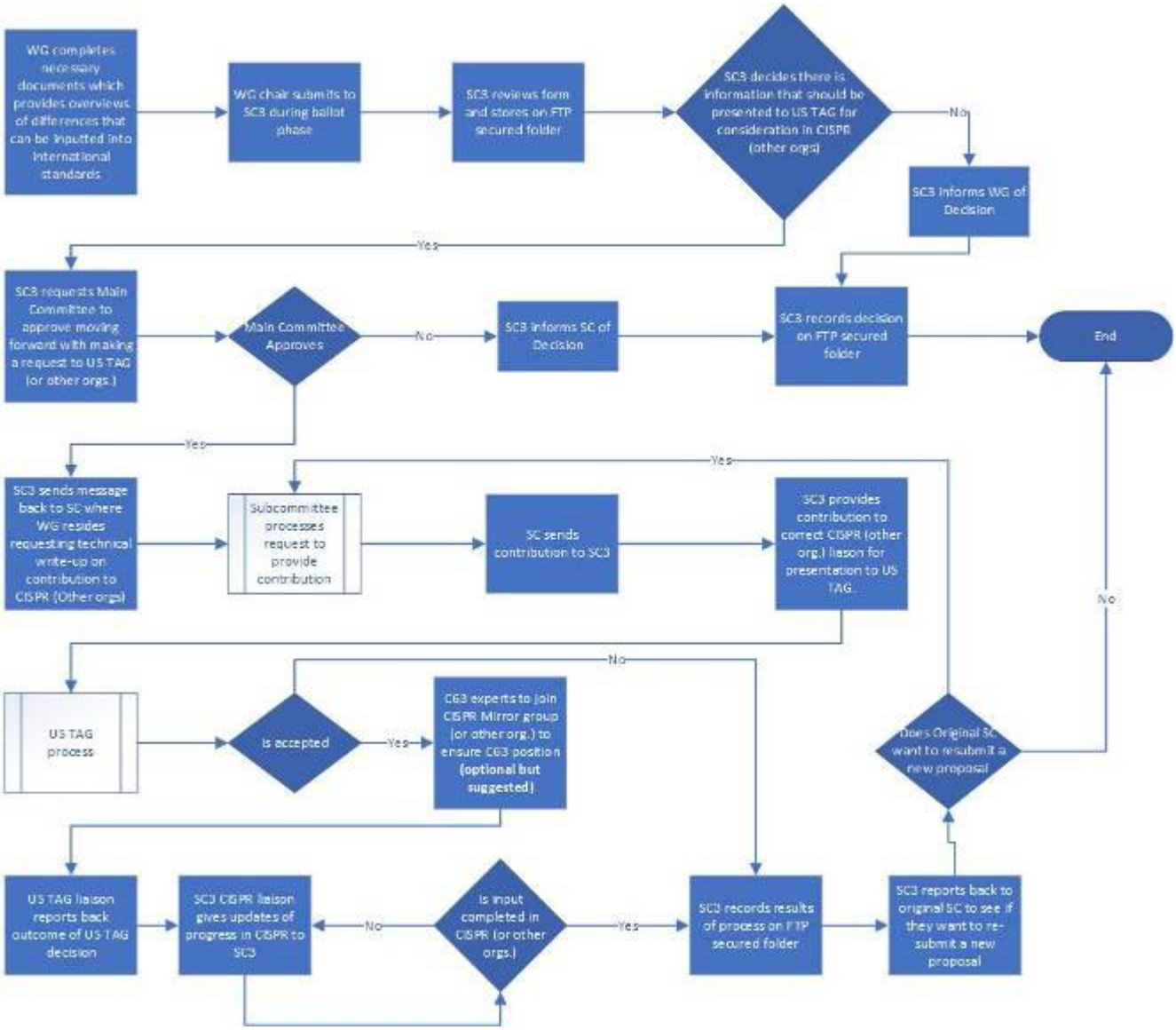
Any members at risk? None are at risk.

3.2 Consideration of new members? Application for C63® Subcommittee Membership

4. Review of Scope, Duties and Membership - Chair (Spring Meeting only)

Subcommittee 3 (SC3) is responsible for promoting and facilitating harmonization of C63 publications with those developed by national and international standards bodies. SC3 establishes and maintains liaisons with these standards bodies or the appropriate national committee to facilitate coordination and cooperation. SC3 is also responsible for writing and maintaining existing and proposed C63 standards as assigned by the Main Committee American National Standards Committee (ANSC) C63.

Work Flow÷



Membership Criteria

There are two classes of membership: regular members and liaison members.

Regular Members:

For regular membership consideration, applicants are required to attach a resume to the application form highlighting their expertise in electromagnetic compatibility and the type of contributions they can provide of

interest to Subcommittee 3. Subcommittee membership requires Subcommittee approval and a C63® vote and, if approved, notice of acceptance will be sent to the applicant. For name and address of the Subcommittee Chair and for Subcommittee projects, please see the Subcommittee listings on the C63® web site at www.C63.org

See "Membership and Working Group Roster" page for additional criteria for continued membership

Liaison Members:

Liaison members are special non-voting members as by virtue of their positions may be needed to conduct SC3 business that covers topics of the standards committees which they represent. The liaison members of Subcommittee 3 consist of the technical advisors (TAs) and deputy technical advisors (DTAs) of the IEC USNC TAGs which have as their main scope EMC topics. These members are approved by the regular members of the subcommittee and the parent committee as noted for regular members. Should the need arise to include additional liaison members during the year (in addition to those included on the SC membership list approved at the first C63® meeting of the year) as a result of special circumstances (i.e., the individual can contribute significantly to the work of the Subcommittee), liaison membership may be granted after approval by the Regular Members of the Subcommittee and a parent committee vote. .

NOTE: Fees for membership, meetings, and other costs are covered in the general fee structure on the C63® web site. Liaison members will not have a regular membership fee but may be charged a meeting fee to offset meeting expenses.

CISPR Technical Committee Dashboards

CISPR Dashboard: IEC - CISPR Dashboard> Scope
CISPR A: IEC - CIS/A Dashboard > Projects / Publications: Work programme, Publications, Stability Dates, Project files
CISPR B: IEC - CIS/B Dashboard > Projects / Publications: Work programme, Publications, Stability Dates, Project files
CISPR D: IEC - CIS/D Dashboard > Projects / Publications: Work programme, Publications, Stability Dates, Project files
CISPR F: IEC - CIS/F Dashboard > Projects / Publications: Work programme, Publications, Stability Dates, Project files
CISPR H: IEC - CIS/H Dashboard > Projects / Publications: Work programme, Publications, Stability Dates, Project files
CISPR I: IEC - CIS/I Dashboard > Projects / Publications: Work programme, Publications, Stability Dates, Project files

Last Updated 10/11/2024

Subcommittee 3 Membership Roster.

Name	Role within Subcommittee 3	Affiliation
Abbondante, Nick	Liaison Member, SC4 Chair US CISPR/A Technical Advisor	Intertek (Primary)
Braxton, Tom	Chair Subcommittee 5	ARRL (Expert)
Channas, Robert	Chair Subcommittee 2	DISA (Primary)
Omar Al-Kalaa	Chair Subcommittee 7	Consultant
DeLisi, Bob	Chair ANSC-C63	UL LLC (Primary)
Fanning, Craig	Liaison Member CISPR/D Chair US CISPR/D Technical Advisor	Elite Electronic Engineering (Primary)
Griffin, Andy	Chair Subcommittee 1, TC77 TAG Advisor, US CISPR/H Technical Advisor	CISCO Systems (Primary)
Hodes, Harry	Member	Consultant (Individual)
Hoolihan, Dan	Member	Hoolihan EMC Consulting (Individual)
Klinger, Jeff	Member	Individual
Kramer, Doug	Chair Subcommittee 6	Apple Inc. (Technical Expert)
Mendoza, Ernesto	Chair Subcommittee 3 US CISPR Technical Advisor US CISPR/DTA US CISPR/F Technical Advisor US CISPR/TC-77A/DTA	Signify

	US CISPR/TC-77	
Popovici, Horia	**Member**	**Innovation, Science and Economic Development Canada (Alternate)**
Potts, Nate	**Member**	**Keysight Technologies (Primary)**
Schaefer, Dave	**Chair Subcommittee 8**	**Element Materials Technology**
Non-Voting Members		
~~Arnett, Dave~~	**~~Liaison Member US CISPR/I Technical Advisor~~**	**~~Garmin~~**
Cibulka, Michael	**Liaison Member**	**MC Lab Services**
Hofmann, H.R. (Bob)	**Emeritus Member**	**Hofmann EMC Engineering**
Jones, Steve	**Emeritus Member**	
~~Pettit, Ghery~~	**~~Liaison Member CISPR/I Chair~~**	**~~Pettit EMC Consulting, LLC~~**

Duties - Is this text correct? (Mark up as needed) C63.12 was administratively withdrawn Oct. 2025. The *Status Matrix* and *Learn More* text were corrected 4/10/2026.

C63.12-2015 Learn more	EMC Limit Setting	SC3	Mendoza, Ernesto	C63.12 was administratively withdrawn Oct. 2025	Published 1/29/2016 as an update of C63.12-2007. No further work scheduled on the document. WG disbanded.

C63.12: C63.12-2015 American National Standard for Electromagnetic Compatibility Limits--Recommended Practice
Contact: Mendoza, Ernesto (Subcommittee Chair)
Scope: This recommended practice presents a rationale for developing limits and recommends sets of limits and test levels that are representative of current practice. These limits may be adjusted in particular applications as circumstances dictate.
Status: Published 29 Jan 2016.
Purchase: Search IEEE Standards - Enter C63 Standard number then Search (Enter) - Click on the version you want - Click on Purchase

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Motion to approve Scope, Duties and Membership? - Ghery moved to approve, seconded by Craig. The motion was approved by acclamation.

5. Status of harmonization projects - Chair

Status of harmonization of C63 documents with documents of other Standards Development Organizations (SDOs) is summarized in Table 1. Status is provided by the cognizant Subcommittee.

Table 1: ANSC-C63® Document Harmonization Summary

ANSC-C63®			Other SDO		Status
Document	**SC**	**Subject**	**Document**	**Harmonization Goal**	
C63.16	SC5	ESD Guide	IEC 61000-4-2	* Proposed Annex H is C63.16-2016 Clause 7 * Proposed Annex I subclause I.2 contains material from the fourth paragraph of C63.16-2016 Clause 9 and an excerpt from Figure 11. * Proposed Annex I subclause I.3 is C63.16-2016 subclause 6.4.5.2. * Proposed Annex I subclause I.4 is adapted from C63.16-2016 Annex A	Rejected by TC77 by 1/24/23

				and includes Table A.2 and Table A.3.	
C63.9	SC5	High-field Radiated Immunity	IEC 61000-4-3	Smaller UFA	SC5 has not recommended C63.9 for harmonization with IEC 61000-4-3
C63.29	SC4	High-power dimmers	CISPR-15	proposal in summary slides this time; recognized US practice; Canada also has two classes of products (A&B)	AI-169: Ernesto will update C63.29 harmonization after Oct. 2025 meeting

6. Other Old Business: Chair

6.1 Existing harmonization project reports - Written or verbal reports of the status of harmonization projects and needs for liaison support shall be presented to the Main by the responsible Subcommittee Chair. Written reports shall be made using the C63_PowerPoint_template_wide. Prior to the Main meeting, the SC report shall be provided to the projectionist for showing on the screen at the Main meeting.

6.2 Liaison needs – Identify needs and potential candidates for liaisons to facilitate harmonization projects. Jason Coder had proposed a liaison to ETSI for coexistence and unlicensed personal communication services. (C63.17 & C63.27) Did we take this up at the SC7 meeting last time? (**No**) Transmit Power Control is being worked on now in C63.36.TPC. (remove from the next Agenda)

6.3 CISPR Reports - Chair -

CISPR-D - Fanning - a report was shown.
CISPR-Main & F - Mendoza - a report was shown (closing AI-169:)
CISPR-H & I - Griffin - a verbal report was given regarding IC 61000-6-3 (2026):

TC	Test facility	Frequency range MHz	Limits dB(µA/m) / Detector / Measurement distance	Measurement specifications	Limitations and restrictions
3.1	OATS or SAC	0,15 to 1	12 to -8,8 [a] Quasi-peak / 10 m	**Instrumentation,** CISPR 16-1-1, Clause 4 **Antennas,** CISPR 16-1-4, 4.5 **Test site,** CISPR 16-1-4, Clause 5 **Method,** CISPR 16-2-3, 7.11	Measurements shall be performed at a 10 m distance only. No extrapolation to other measurement distances is allowed.
		1 to 4	-8,8 to -13,5 [a] Quasi-peak / 10 m		
		4 to 20	-13,5 to -7 [a] Quasi-peak / 10 m		
		20 to 30	-7 [a] Quasi-peak / 10 m		
3.2	OATS or SAC	0,15 to 4	39 to 3 Quasi-peak / 3 m	**Instrumentation,** CISPR 16-1-1, Clause 4 **Antennas,** CISPR 16-1-4, 4.5 **Test site,** CISPR 16-1-4, Clause 5 **Method,** CISPR 16-2-3, 7.11	Measurements shall be performed at a 3 m distance only. No extrapolation to other measurement distances is allowed.
		4 to 30	3 Quasi-peak / 3 m		
Applicable to any of the following: Category 1. EUT with WPT (3.1.26) operating at a frequency (or frequencies) below 30 MHz Category 2. EUT containing a plasma (3.1.14) screen For information on other EUT types, see Annex H.					

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COMMEMORATIVE

NOTE A simple method of determining the excluded band is to use the frequency range between the outer edges of the out-of-band domain (see 3.1.13) or inner edges of the spurious domain (see 3.1.23). Some radio standards reference allocated bandwidth rather than necessary bandwidth (see 3.1.11).

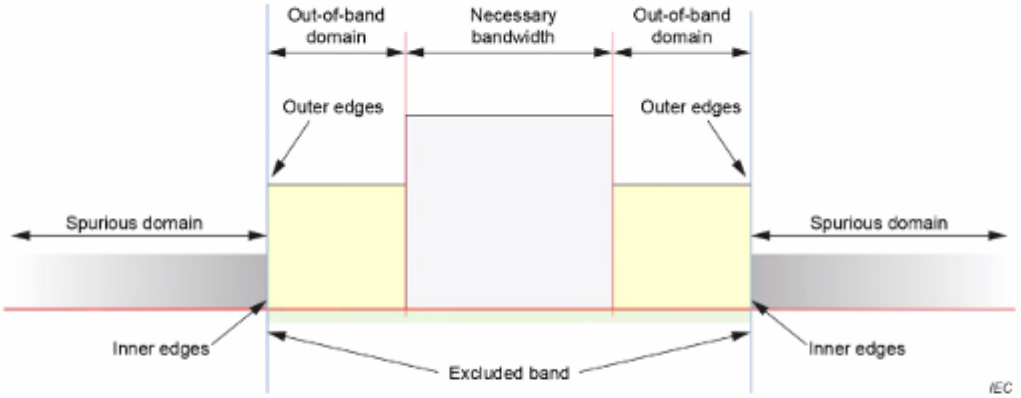
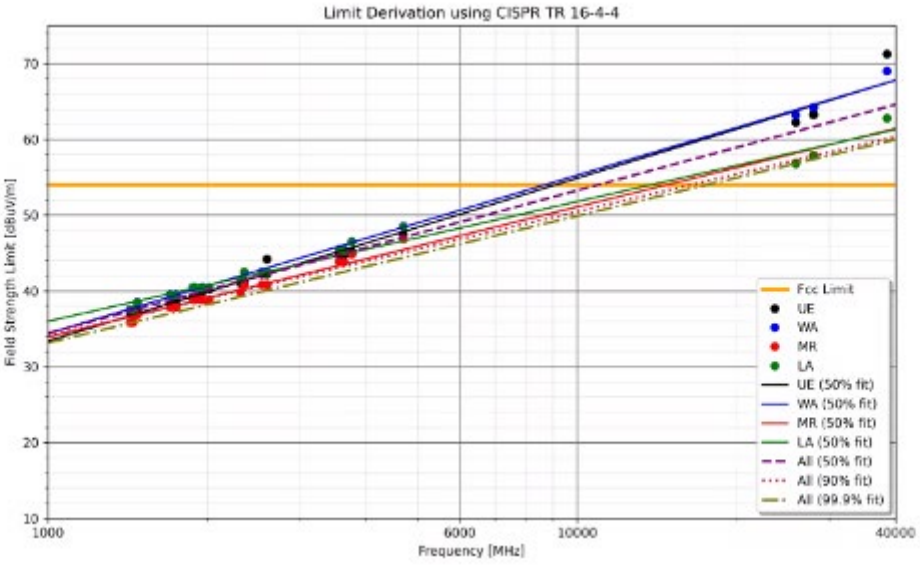
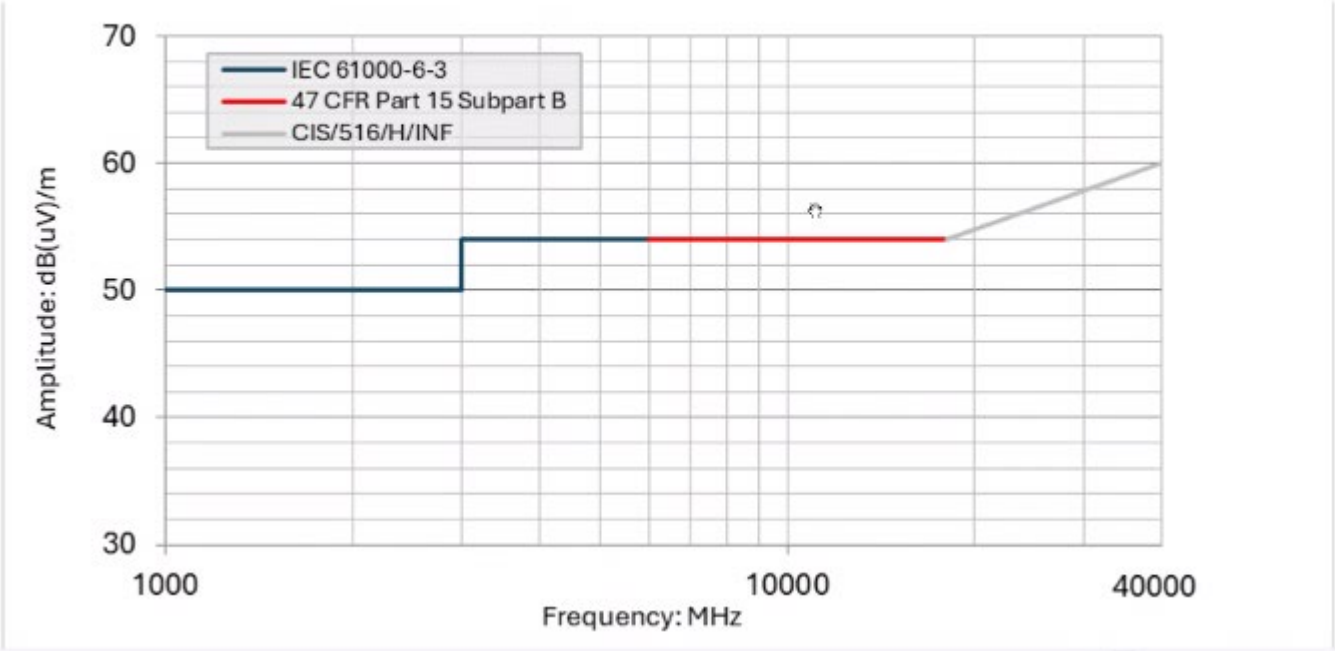


Figure 4 – Excluded band

If the out-of-band (see 3.1.13) or the spurious emission (see 3.1.23) frequency ranges are unknown, they may be calculated using ITU-R SM.1541-6.

The spurious emissions (see 3.1.23) that are related to active radio transmitters, excluding any emission resulting from the interaction with the host equipment, are not subject to the





7. New Business: Chair -

7.1 New harmonization projects – Discuss new harmonization projects for documents under development by the Subcommittees. See Table 1 above.

7.11 - New Harmonization Project - open - see above (**C63.29**) New version started.

7.2 Officer Appointment - Chair - We need a **Vice Chair**, appointed by the Chair. Candidates? (no volunteers) Ernesto noted that he is willing to serve another term as SC3 Chair.

7.3 FCC proposed rule for prohibiting the use of laboratories in countries without reciprocal agreements (MRA) - Chair - A FCC document was shown:

OFFICE OF CHAIRMAN BRENDAN CARR

FCC to Ensure Integrity and Security in Electronic Device Testing

Proposed Rules Would Prohibit Using Labs in Countries Without Reciprocal Agreements

WASHINGTON, April 8, 2026—Today, FCC Chairman Brendan Carr announced that the Commission will vote on new rules to ensure integrity, security, and reciprocity in electronic device testing. The proposed rules, which will be voted on at the Commission's next monthly meeting, follow on the FCC's actions against "Bad Labs" and would prohibit the recognition of test labs and certification bodies in foreign countries that have not signed agreements to recognize American test labs and certification bodies. Before these proposed rules can be finalized, the FCC will also vote to adopt a streamlined approval process for devices tested in U.S. labs or labs in reciprocal countries.

Chairman Brendan Carr issued the following statement:

"President Trump has revolutionized America's approach to the world by putting reciprocity at the heart of our international commercial relations. Today, more than 75% of testing occurs in countries that have refused to commit to reciprocal treatment of U.S.-based labs and certification bodies. This month, the FCC will begin the process to end this unfair system."

8. C63.org website use and updates: Secretary - We normally post documents to the SC3 protected area. If any SC or WG needs help with this posting, a Technical Secretary is available to assist.

9. Review of the Action Items: Secretary

9.1 Review of Action Items from previous meeting:

Consolidated Action Items from 10/8/25 Meeting of SC3

AI #	Task	Responsible party	Due Date	Status
AI-164:	Ernesto to prepare a three-paragraph letter of new work for circulation to SC3 Members.	E. Mendoza	Next meeting	Open Ernesto will prepare a letter for the Main meeting
AI-169:	Ernesto will update C63.29 harmonization after Oct. 2025 meeting	E. Mendoza	Next meeting	Closed

9.2 Review of Action Items from this meeting—Secretary - two items were shown.

10. Next meeting: Chair – A2LA during the week of Oct. 19, 2026 (Frederick, MD)

11. Closing remarks and Adjournment: Chair - The meeting was adjourned at 2:36 PM-EDT

********** End of Meeting **********

Consolidated Action Items from 4/10/26 Meeting of SC3

AI #	Task	Responsible party	Due Date	Status
AI-164:	Ernesto to prepare a three-paragraph letter of new work for circulation to SC3 Members.	E. Mendoza	Next meeting	Open Ernesto will prepare a letter for the Main meeting
AI-170:	Ernesto to contact Kiran Kumar regarding joining SC3	E. Mendoza	Next meeting	Open
AI-171:	Bob to contact Omar about joining SC3	Bob DeLisi	Next meeting	Closed contacted 4/10