



PUBLIC NOTICE

Federal Communications Commission
45 L Street NE
Washington, DC 20554

News Media Information 202-418-0500
Internet: www.fcc.gov

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Released: December 22, 2025

OFFICE OF ENGINEERING AND TECHNOLOGY SEEKS COMMENT ON ULTRA-WIDEBAND DEVICE PETITION FOR RULEMAKING

RM No. 12014

Comments Due: January 30, 2026

Reply Comments Due: February 27, 2026

By this Public Notice, the Office of Engineering and Technology seeks comment on a petition for rulemaking by the Alliance for Automotive Innovation, Car Connectivity Consortium, FiRa Consortium, Profibus & Profinet International / omlox, and the UWB Alliance (together, the UWB Petitioners) requesting the Commission initiate an expedited proceeding to amend certain portions of the FCC's part 15 rules to allow for more flexible ultra-wideband (UWB) device operations.¹ In its petition, the UWB Petitioners ask the Commission to:

- Delete “at any point in time” from the definition of UWB to allow for devices that operate with modulations other than pulsed based without posing significant interference risk and to eliminate the requirement to develop a special test mode that does not represent normal UWB operations;
- Adopt a definition of “fixed outdoor infrastructure” to clarify when UWB devices may not be affixed to objects;
- Eliminate use of the term “hand held” in Section 15.519 of the Commission’s rules to ensure the UWB rules account for the wide array of non-fixed, affixed, and vehicle-mounted UWB-enabled devices that can provide short-range services consistent with the intent of the Commission’s rules;
- Allow a duty cycle requirement as an alternative to the 10-second rule to support more efficient deployment of UWB technology; and
- Allow UWB to be used in toys and aboard vessels within inland waters given the lack of interference risk and increasingly ubiquitous deployment of UWB technology in consumer devices.²

Additional Issues: The Office of Engineering and Technology seeks comment on any other portions of the FCC’s part 15 rules that could be amended to update the Commission’s UWB regulatory framework.

¹ UWB Petitioners Petition for Rulemaking, filed on December 18, 2025, available at <https://www.fcc.gov/ecfs/search/search-filings/filing/1218228512214> (UWB Petition).

² *Id.* at 7-8 and Appendix B (proposed rule changes).

Filing Requirements. Interested parties may file comments on or before the dates shown on the first page of this document.³ All comments must reference RM-12014. Comments may be filed using the Commission's Electronic Comment Filing System (ECFS).⁴

- Electronic Filers: Comments may be filed electronically using the Internet by accessing the ECFS: <https://www.fcc.gov/ecfs/filings>.
- Paper Filers: Parties who choose to file by paper must file an original and one copy of each filing.
 - Filings can be sent by hand or messenger delivery, by commercial overnight courier, or by U.S. Postal Service. All filings must be addressed to the Commission's Secretary, Office of the Secretary, Federal Communications Commission.
 - Hand-delivered or messenger-delivered paper filings for the Commission's Secretary are accepted between 8:00 a.m. and 4:00 p.m. by the FCC's mailing contractor at 9050 Junction Drive, Annapolis Junction, MD 20701. All hand deliveries must be held together with rubber bands or fasteners. Any envelopes and boxes must be disposed of before entering the building.
 - Commercial courier deliveries (any deliveries not by the U.S. Postal Service) must be sent to 9050 Junction Drive, Annapolis Junction, MD 20701.
 - Filings sent by U.S. Postal Service First-Class Mail, Priority Mail, and Priority Mail Express may be addressed to 45 L Street, NE, Washington, DC 20554.

Ex Parte Rules. The proceeding this Public Notice initiates shall be treated as a "permit-but-disclose" proceeding in accordance with the Commission's *ex parte* rules.⁵ Persons making *ex parte* presentations must file a copy of any written presentation or a memorandum summarizing any oral presentation within two business days after the presentation (unless a different deadline applicable to the Sunshine period applies). Persons making oral *ex parte* presentations are reminded that memoranda summarizing the presentation must (1) list all persons attending or otherwise participating in the meeting at which the *ex parte* presentation was made, and (2) summarize all data presented and arguments made during the presentation. If the presentation consisted in whole or in part of the presentation of data or arguments already reflected in the presenter's written comments, memoranda or other filings in the proceeding, the presenter may provide citations to such data or arguments in his or her prior comments, memoranda, or other filings (specifying the relevant page and/or paragraph numbers where such data or arguments can be found) in lieu of summarizing them in the memorandum. Documents shown or given to Commission staff during *ex parte* meetings are deemed to be written *ex parte* presentations and must be filed consistent with section 1.1206(b). In proceedings governed by section 1.49(f) or for which the Commission has made available a method of electronic filing, written *ex parte* presentations and memoranda summarizing oral *ex parte* presentations, and all attachments thereto, must be filed through the electronic comment filing system available for that proceeding, and must be filed in their native format (e.g., .doc, .xml, .ppt, searchable .pdf). Participants in this proceeding should familiarize themselves with the Commission's *ex parte* rules.

People with Disabilities. To request materials in accessible formats for people with disabilities (Braille, large print, electronic files, audio format), send an e-mail to fcc504@fcc.gov or call the Consumer and Governmental Affairs Bureau at (202) 418-0530.

³ See 47 CFR §§ 1.1, 1.3, 1.45.

⁴ See *Electronic Filing of Documents in Rulemaking Proceedings*, GC Docket No. 97-113, Report and Order, 13 FCC Rcd 11322 (1998).

⁵ 47 CFR § 1.1200 *et seq.*

Additional Information. For further information, please contact Syed Hasan, Policy and Rules Division, Office of Engineering and Technology, at (202) 418-2454 or via e-mail at syed.hasan@fcc.gov.

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