



PUBLIC NOTICE

Federal Communications Commission
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Washington, DC 20554

News Media Information 202-418-0500
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DA 26-743
Released: July 17, 2026

**OFFICE OF ENGINEERING AND TECHNOLOGY SEEKS COMMENT ON THE PETITION
OF AISIN CORPORATION FOR WAIVER OF SECTIONS 15.519(A) AND 15.519(A)(2) OF THE
COMMISSION'S RULES**

ET Docket No. 26-185

Comment Date: August 17, 2026
Reply Comment Date: August 31, 2026

By this public notice, we seek comment on a request by Aisin Corporation (Aisin) to waive Section 15.519(a) and 15.519(a)(2) of the Commission's rules to permit Aisin to manufacture and market its ultra-wideband (UWB) enabled standalone field disturbance sensors ("UWB Motion Sensors") that would operate in the 7.6-8.4 GHz band.¹

Aisin states that its UWB Motion Sensors will be installed inside the ceiling and at the bottom rear of automobiles to detect human gestures and motions within two feet of the vehicle using UWB ranging.² The UWB Motion Sensor begins operating once it receives a start command from the host electronic control unit (ECU) when the vehicle is parked or stationary. During operation, the UWB Motion Sensor continues to receive reflected signals from its transmitted radio waves and detect human motion and biological signals. If a stop command is issued by the host ECU or a fault is detected, the UWB Motion Sensor ceases operation.³

Section 15.519(a) of the Commission's rules contains provisions for UWB devices that are relatively small and are primarily handheld while being operated and do not employ a fixed infrastructure, and Section 15.519(a)(2) prohibits the use of antennas mounted on outdoor structures or any fixed outdoor infrastructure.⁴ Aisin discusses how its UWB Motion Sensor operates consistently with the rules for handheld devices based on its emission of very low power signals, and how its operations would not create large-scale communication systems that could cause harmful interference to authorized users.⁵ Aisin also claims that the horizontal orientation and beamwidth of an UWB Motion Sensor antenna

¹ Aisin Corporation Request for Waiver of Section 15.519(a) and 15.519(a)(2) of the Commission's Rules, ET Docket No. 26-185 (filed Mar. 20, 2026) (Aisin Waiver Request).

² Aisin Waiver Request at 2.

³ *Id.* at 3.

⁴ 47 CFR § 15.519(a) and (a)(2).

⁵ Aisin Waiver Request at 6.

further reduces the likelihood of harmful interference.⁶ It further claims that grant of its waiver will enhance public safety by enabling reliable detection of infants left inside vehicles and mitigating the risk of serious injury or death, thus delivering substantial societal and safety benefits.⁷

We seek comment on Aisin's Waiver Request. To develop a complete record on the issues presented by this request, this proceeding will be treated, for ex parte purposes, as "permit-but-disclose" in accordance with Section 1.1200(a) of the Commission's rules, subject to the requirements under Section 1.1206(b). Aisin filed its petition electronically as a non-docketed proceeding in the Commission's Electronic Comment Filing System. We have opened a new docket, **ET Docket 26-185** to facilitate consideration of this request and have moved Aisin's submission into this docket. Parties should file all comments and reply comments in **ET Docket 26-185**.

Filing Requirements. Pursuant to sections 1.415 and 1.419 of the Commission's rules, 47 CFR §§ 1.415, 1.149, interested parties may file comments in ET Docket No. 26-185 on or before the date indicated on the first page of this document and should reference this public notice. Comments may be filed using the Commission's Electronic Comment Filing System (ECFS). *See Electronic Filing of Documents in Rulemaking Proceedings*, 63 FR 24121 (1998).

- Electronic Filers: Comments may be filed electronically using the Internet by accessing the ECFS: <https://apps.fcc.gov/ecfs/>
- 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 courier, or by the U.S. Postal Service mail. **All filings must be addressed to the Commission's Secretary, Office of the Secretary, Federal Communications Commission.**
 - All 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.
 - U.S. Postal Service First-Class Mail, Priority Mail, and Priority Mail Express must be sent to 45 L St. NE, Washington, DC 20554.
- 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 & Governmental Affairs Bureau at 202-418-0530 (voice), 202-418-0432 (tty).

Parties should also send a copy of their filings to Anika Tahsin, Office of Engineering and Technology, Federal Communications Commission, 45 L Street, N.E., Washington, D.C. 20002, or by e-mail to anika.tahsin@fcc.gov

Documents associated with this docket will be available for public inspection through the Commission's ECFS.

By the Chief, Office of Engineering and Technology

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⁶ *Id.*

⁷ Aisin Waiver Request at 7.