AUDEAMUS GROUP, LLC

Wi-Fi Sensing & Privacy Weekly Brief

September 11, 2026 | Historical public-summary edition

HISTORICAL PUBLIC SUMMARY

Privacy controls must account for more than Wi-Fi

September 4–11, 2026 · First edition. One new publication met the relevance, date and evidence checks. New research: CrossLink, below. Standards and regulatory updates: none verified for inclusion. No newly dated device-free home-sensing performance study or consumer-control revision was verified; older material has not been relabeled as new. This is a selective public-source scan, not proof that no other work appeared.

01 / NEW · arXiv preprint · Dutta et al. / 2026-09-09

CrossLink: Breaking Location Privacy by Linking Device Identifiers Across Protocols

Key finding. The CrossLink paper links rotating LTE, Wi-Fi and BLE identifiers to reconstruct device traces. The reported 83% complete-trace recovery versus 22% for the best single-protocol baseline comes from simulation.

Why it matters for Audeamus. Privacy controls need joint evaluation across radios; Wi-Fi identifier randomization alone is not an end-to-end guarantee.

Evidence limits. Not device-free body sensing or household occupancy validation. Results depend on localization assumptions and receiver coverage; peer review was not verified.

Read in full? Read in full. The evaluation caveats matter as much as the headline privacy result.

Open original source

ARCHIVE NOTE

This edition preserves the dated public summary and original citations from Wi-Fi Sensing Review. It has been repackaged for the Audeamus Group archive; the historical claims have not been independently reverified during this formatting pass. No private desk analysis is included.

Original public Wi-Fi Sensing Review

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