Product Transport Supply Chain GHG Emissions Assessment, Reduction Goal Progress, and Third-Party Verification

Samsung Electronics conducts an annual assessment of well-to-wheel (WTW) greenhouse gas (GHG) emissions resulting from the transport of registered products, from the point of final product assembly to the point of transfer of ownership to the customer.

Scope of products: This assessment covers products in Samsung's Visual Display (VD) and Mobile eXperience (MX) divisions registered under applicable EPEAT product categories.

Note: for domestic (Republic of Korea) fuel-based road transport data, activity data are managed at the Device eXperience (DX) division level, the broader organizational unit that includes VD and MX; as a result, this subset of domestic data may also include other DX product categories (e.g., home appliances) in addition to VD and MX, due to limitations in data granularity.

Methodology: Emissions are calculated in accordance with the Global Logistics Emissions Council (GLEC) Framework, Version 3. Well-to-wheel emissions are reported for all applicable freight modes: road, rail, sea, and air.

All values represent well-to-wheel (WTW) emissions in metric tonnes of CO2 equivalent (tCO2e).

2024 Results (Reporting Period: January 1, 2024 - December 31, 2024)

Mode	Emissions (tCO2e)	Share (%)
Road	572,505.7	12.0%
Rail	2,038.2	0.0%
Sea	3,209,102.7	67.3%
Air	986,304.8	20.7%
Inland Waterways	N/A	N/A
Total	4,769,951.4	100.0%

2025 Results (Reporting Period: January 1, 2025 - December 31, 2025)

Mode	Emissions (tCO2e)	Share (%)
Road	121,650.9	3.5%
Rail	1,402.6	0.0%
Sea	2,473,222.6	71.7%
Air	851,464.6	24.7%
Inland Waterways	N/A	N/A
Total	3,447,740.6	100.0%

Reduction Goal and Progress

In 2024, Samsung set a goal to reduce its emissions from product transport by 10% by 2030. Progress against this goal is reported annually. Between the FY2024 and FY2025 reporting periods, total product transport emissions decreased from 4,769,951.4 tCO2e to 3,447,740.6 tCO2e, a reduction of approximately 27.7%, calculated on a consistent assessment boundary and methodology.

Note on boundary: Prior to FY2024, Samsung publicly disclosed transport emissions under a narrower system boundary (EPEAT 1.0 Criterion 4.8.2.2, verified by UL Solutions for calendar year 2023: 3,374,541.6 tCO2e). Beginning with the FY2024 reporting period, the assessment boundary was expanded to include all transshipment ports and sales-corporation warehouses along the transportation route. As a result, the FY2024 and FY2025 figures above are not directly comparable to the 2023 baseline figure underlying the original 10%-by-2030 goal; year-over-year progress toward the goal is tracked using the FY2024 figure as the first year measured under the expanded boundary.

Third-Party Verification

Results of this assessment are subject to third-party verification at least once every three years, in accordance with ISO 14064-3 and the GLEC Framework. Samsung's product transport GHG statement for calendar year 2023 was verified by UL Solutions (UL Verification Services Inc., Lead Verifier: Adrian Wain) to a limited level of assurance, Project No. 4791503853, report issued October 11, 2024.

This verification remains valid for the current three-year cycle; accordingly, no additional third-party verification was required for the FY2024 and FY2025 assessments presented above. The next third-party verification is scheduled to be conducted in 2027, covering the FY2026 data. The 2023 verification report is available at Samsung Product Transport GHG Verification Report (2023)