

Verification statement

To the stakeholders of Microchip Inc

EcoAct was engaged by Microchip Inc at 2355 West Chandler Blvd, Chandler, Arizona, USA 85224-6199 to provide independent third-party limited verification of its direct (Scope 1) and indirect (Scope 2) greenhouse gas emissions as detailed in the company's carbon footprint calculation for the period 1st of January 2022 to 31st of December 2022.

Objective & responsibilities

The objective of this verification was to confirm whether the GHG statements as reported in Microchip Inc GHG Emissions report for calendar year 2022 were fairly stated and free from material error or omission in accordance with the criteria outlined below.

The management of Microchip Inc are responsible for the organisation's emissions sources and GHG related information as well as the development and maintenance of records and procedures in accordance with its reporting requirements. The EcoAct verification team's responsibility is to express an independent verification opinion on the accuracy of the GHG emissions reported by Microchip Inc and supporting processes and procedures in place to aggregate and analyse data.

Criteria

- Calculation methodology: World Resources Institute/World Business Council for Sustainable Development Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard, Revised Edition (the GHG Protocol);
- Reference methodologies:
 - UK Government GHG Conversion Factors for Company Reporting 2022 (BEIS – Department for Business, Energy & Industries Strategy)
 - World Resources Institute (2017). Emission Factors from Cross-Sector Tools March 2017
 - EPA Center for Corporate Climate Leadership. Emission Factors for Greenhouse Inventories
 - EPA eGRID Year 2020 data. January 27, 2022
 - National Inventory Report 1990–2020: Greenhouse Gas Sources and Sinks in Canada
 - IEA (2022), Emission Factors. 2022 UK Government Conversion Factors for Company Reporting.
 - European Residual Mixes. Results of the calculation of Residual Mixes for the calendar year 2021

Level of Verification and Materiality

A Limited level of verification, aligned with the ISO 14064-3:2019 standard with specification and guidance for the verification and validation of greenhouse gas statements, was conducted.

The organisational boundary of Microchip Inc was established as including its operation sites in 2022 which accounts for 59 sites across 18 global markets. Microchip Inc uses the operational control approach for the consolidation of its emissions totals. The verification team reviewed the source data from Microchip Inc GHG Emissions report, to identify emissions sources material to the carbon footprint.

Verification Opinion

Based on the data and information provided by Microchip Inc and the processes and procedures followed, nothing has come to EcoAct's attention to indicate that the following GHG emissions totals are not fairly stated and free from material error:

Microchip Inc Carbon Emissions sources	2022 Emissions (tCO ₂ e)
Scope 1 Emissions	424,370.03
Scope 2 Emissions (location-based)	294,100.37
Total tCO₂e scope 1 and 2 (location-based)	718,470.40¹

¹ Microchip Inc amended the data associated with its Scope 1 emissions post-verification to include additional data for a few sites. Revised Scope 1 emissions were 424,440.58 tCO₂e, increasing the total emissions by 70.55 tCO₂e (additional data not verified). Scope 2 emissions remained unchanged. Total location-based verified emissions were 718,470.40 tCO₂e

Description of activities

In accordance with the Limited Verification requirement, EcoAct selected and verified sufficient and appropriate evidence, data, and calculations to form the basis of our verification opinion. Selected data for verification included: Scope 1 emissions (combustion of fuels and refrigerants) and Scope 2 emissions (electricity).

The verification of Microchip Inc's emissions related information was conducted through the review of selected primary evidence and the testing of its emissions calculations. We have had regular interactions with the key contact person involved in data gathering and reporting to discuss systems, processes and methodologies used to compile the GHG report for 2022.

Amendments to the carbon footprint calculation, to correct minor data discrepancies, were made during the verification process by the Microchip Inc team prior to the finalization of the GHG emissions totals. These discrepancies were not material to the data reported above. The final, verified emissions total was **718,470.40 tCO₂e**.

Detailed findings and recommendations about Microchip Inc's emissions data have been made to the management of Microchip Inc throughout the verification.

Verified by



Saskia Hassefras
Managing Consultant

EcoAct

London, 15 November 2023

Independently reviewed by



Anita Baranyi
Principal Consultant

EcoAct

London, 15 November 2023

Statement of Independence

EcoAct is an independent carbon management company. Our team has extensive experience in the verification of carbon data, information, systems, and processes. The data required for the greenhouse gas calculations described herein were compiled by Microchip Inc. No member of the EcoAct team has a business relationship with Microchip Inc, its Directors, or Managers beyond that required of this assignment. To our knowledge there has been no conflict of interest.