

Greenhouse Gas Verification Opinion

The inventory of Greenhouse Gas emissions in year 2023 of

Primax Electronics Ltd.

No. 669, Ruey Kuang Road, Neihu,
Taipei, Taiwan, R.O.C.



has been verified in accordance with ISO 14064-3:2019 as
meeting the requirements of

ISO 14064-1:2018

Direct emissions

136.4040 tonnes of CO₂e

Indirect emissions

2,001.5446 tonnes of CO₂e

Direct emissions and indirect emissions

2,137.949 tonnes of CO₂e

Authorized by

Stephen Pao

Business Assurance Director

Date: 20 May 2024

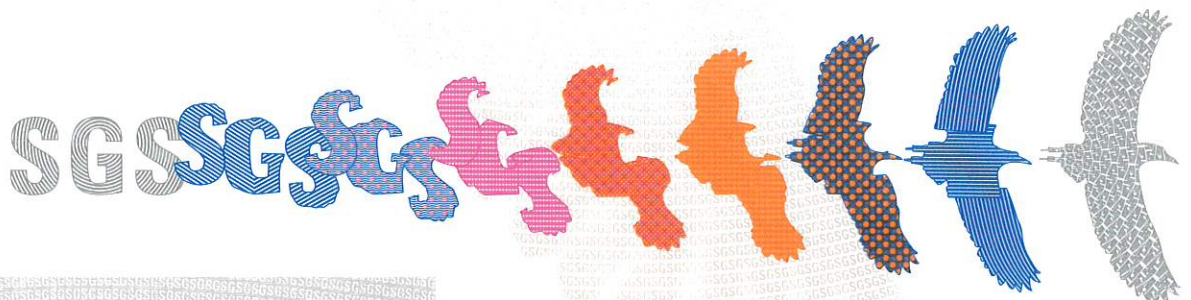
Version 1

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SGS Taiwan Ltd.

No. 136-1, Wu Kung Road, New Taipei Industrial Park, Wu Ku District,
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The emission of each category is described as below:

Unit: tonnes of CO₂e

Reporting Boundaries		GHG Emissions	
Inventory categories	Description		
Direct emissions	Direct emissions from stationary combustion	0.3595	
	Direct emissions from mobile combustion	21.9038	
	Direct process emissions and removals from industrial processes	0.0000	
	Direct fugitive emissions arise from the release of GHGs in anthropogenic systems	114.1407	
	Direct emissions and removals from land use, land use change and forestry	0.0000	
Indirect emissions	Imported energy	966.2004	
	Transportation	Indirect emissions from employee commuting	537.3269
		Indirect emissions from Business Travel	289.4861
	Products used by an organization	Indirect emissions from power fuel use upstream	195.6243
		Indirect emissions from waste outsourcing treatment and transportation	12.9070
	Associated with the use of products from the organization	Indirect emissions from product use	NA
	Other sources	No significant emissions	NA
Direct emissions and indirect emissions		2,137.949	

SGS, No. 136-1, Wu Kung Road, New Taipei Industrial Park, Wu Ku District, New Taipei City 24803, Taiwan, has been contracted by Primax Electronics Ltd. (hereinafter referred to as “Primax”), No. 669, Ruey Kuang Road, Neihu, Taipei, Taiwan, R.O.C. for the verification of direct and indirect Greenhouse Gas emissions in accordance with

ISO 14064-3:2019

as provided by Primax Electronics Ltd. (hereinafter referred to as “Primax”), No. 669, Ruey Kuang Road, Neihu, Taipei, Taiwan, R.O.C. in the GHG Statement in the form of GHG report.

Roles and responsibilities

- The management of Primax is responsible for the organization’s GHG information system, the development and maintenance of records and reporting procedures in accordance with that system, including the calculation and determination of GHG emissions information and the reported GHG emissions.
- The verification was based on the verification scope, objectives and criteria as agreed between Primax and SGS on 19 June 2023.
- Verification Criteria: ISO 14064-1:2018, ISO 14064-3:2019
- Verification Period: 16 February 2024 to 27 March 2024.

Scope

- GHG information for the following period was verified: 01 January 2023 to 31 December 2023
- Location/boundary of the activities:
 - No.669, Ruey Kuang Road, Neihu, Taipei, Taiwan, R.O.C.
 - 6F., No.155, Kangning St., Xizhi, New Taipei City, Taiwan, R.O.C.
- Types of GHGs included: CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃
- The IPCC 2021 AR6 GWP values are applied in this inventory.
- Emission factor:
 - Direct emissions:
 - Greenhouse Gas Emission Factor Table, MOENV
 - Indirect emissions:
 - Electricity emission factor is 0.495 kgCO₂e/kwh (Announced by Energy Administration, Ministry of Economic Affairs in 2023).
 - The secondary database has Carbon Footprint Information Platform and ICAO Carbon Emissions Calculator.

- The level of assurance for category 1 and category 2 agreed is that of reasonable assurance. Category 3 till category 6 agreed is that of limited assurance.
- Materiality : 5%
- The version of inventory sheet: 0327
- The version of GHG statement: 0401
- Intended user of the verification opinion: Private

Objective

The purposes of this verification exercise are, by review of objective evidence, to independently review:

- Whether the GHG emissions are as declared by the organization's GHG statement
- The data reported are accurate, complete, consistent, transparent and free of material error or omission.

Conclusion

SGS's approach is risk-based, drawing on an understanding of the risks associated with reporting GHG emissions information and the controls in place to mitigate these. Our examination includes assessment, on a test basis, of evidence relevant to the amounts and disclosures in relation to the organization's reported GHG emissions. We planned and performed our work to obtain the information, explanations and evidence that the GHG emissions are free from material misstatement.

- The greenhouse gas emissions is 2,137.949 metric tonnes of CO₂ equivalent
- The emissions from the combustion of biomass is 0.0000 metric tonnes of CO₂ equivalent

The emission of each category is described as below:

Unit: tonnes of CO₂e

Reporting Boundaries		GHG Emissions
Inventory categories	Description	
Direct emissions	Direct emissions from stationary combustion	0.3595
	Direct emissions from mobile combustion	21.9038
	Direct process emissions and removals from industrial processes	0.0000
	Direct fugitive emissions arise from the release of GHGs in anthropogenic systems	114.1407
	Direct emissions and removals from land use, land use change and forestry	0.0000

Reporting Boundaries			GHG Emissions
Inventory categories	Description		
Indirect emissions	Imported energy	Indirect emissions from imported electricity	966.2004
	Transportation	Indirect emissions from employee commuting	537.3269
		Indirect emissions from Business Travel	289.4861
	Products used by an organization	Indirect emissions from power fuel use upstream	195.6243
		Indirect emissions from waste outsourcing treatment and transportation	12.9070
	Associated with the use of products from the organization	Indirect emissions from product use	NA
	Other sources	No significant emissions	NA
Direct emissions and indirect emissions			2,137.949

The opinion of SGS is unmodified in accordance with the following described circumstances.

- The verifier has sufficient and appropriate evidence to support the material emissions, removals, or storage.
- The verifier applies appropriate criteria for the material emissions, removals, or storage.
- When the auditor intends to rely on relevant controls, the effectiveness of those controls has been assessed.
- The verifier applies the ISO 14064-1:2018 standard to fairly present greenhouse gas data and information, and SGS obtains appropriate supporting evidence for material emissions and removals.

Confidentiality

The reports and attachments may contain relevantly confidential information of the clients. In addition to being submitted as governmental application or certification documents, the reports and attachments are not allowed to be edited, duplicated, or published without the clients' agreement in written form.

Avoidance of Conflict of Interest

The reports and attachments are completely complied with the standards and procedures that related authorities established. The reports and attachments of auditing process are conduct with fairness and honesty. If not, the auditing institution not only has to bear the relevant compensation duties, but also to receive legal charge and punishment.

This opinion shall be interpreted with the GHG statement of Primax as a whole.

Verifier Group

Above opinions coincide with auditing process with fairness and impartiality and aim at the emission of year 2023 of clients.

Lead Verifier:

Channing Chen

Verifier:

William Li

Note: This opinion is issued, on behalf of Client, by SGS Taiwan Ltd. ("SGS") under its General Conditions for Greenhouse Gas Verification Services available at http://www.sgs.com/terms_and_conditions.htm. The findings recorded hereon are based upon an audit performed by SGS. A full copy of this opinion, the findings and the supporting GHG Assertion may be consulted at Primax Electronics Ltd., No. 669, Ruey Kuang Road, Neihu, Taipei, Taiwan, R.O.C, This opinion does not relieve Client from compliance with any bylaws, federal, national or regional acts and regulations or with any guidelines issued pursuant to such regulations. Stipulations to the contrary are not binding on SGS and SGS shall have no responsibility vis-à-vis parties other than its Client.