

# Greenhouse Gas Verification Statement

The inventory of Greenhouse Gas emissions in year 2022 of  
**Primax Electronics (KS) Corp., Ltd.**

NO.278, Jinsong Road, Yu Shan Town,  
 Kun Shan City, Jiang Su Province, China



has been verified in accordance with ISO 14064-3:2006 as  
 meeting the requirements of

## ISO 14064-1:2018

Direct emissions

**101.9900 tonnes of CO<sub>2</sub>e**

Indirect emissions

**7,966.4765 tonnes of CO<sub>2</sub>e**

Direct emissions and indirect emissions

**8,068.466 tonnes of CO<sub>2</sub>e**

Authorized by



Stephen Pao

Knowledge Deputy General Manager

Date: 25 May 2023

Version 1

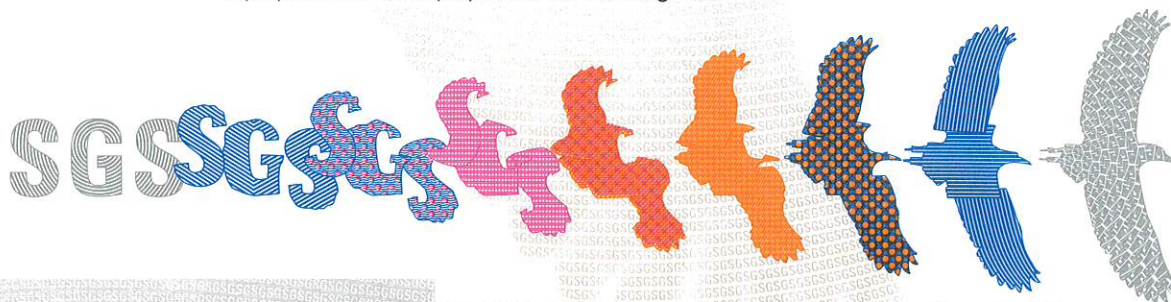
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## Statement TW23/00161GG, continued

The emission of each category is described as below:

Unit: tonnes of CO<sub>2</sub>e

Reporting Boundaries			GHG Emissions	
Inventory categories		Description	Location-based	Market-based
Direct emissions		This direct GHG emissions are the sum of owned or controlled by the organization within the organization.	101.9900	
Indirect emissions	Imported energy	Indirect emissions from imported electricity	1,411.3063	612.8863
	Transportation	Indirect emissions from upstream transport and distribution of martial	79.1980	
		Indirect emissions from Business Travel	29.8959	
	Products used by an organization	Indirect emissions of raw materials and consumables related to production and purchase in the factory	6,445.2956	
		Indirect emissions from waste outsourcing treatment and transportation	0.7807	
	Associated with the use of products from the organization	No significant emissions	NA	
	Other sources	No significant emissions	NA	
Direct emissions and indirect emissions			8,068.466	7,270.046
Purchased Renewable Energy Certificate(s) Information				
Site/Location	Type	Renewable Energy Source/Location	Imported energy emissions	
			Location-based	Market-based
Primax_KS	I-REC	Wind/China	1,411.3063	612.8863



SGS 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 14064-3:2006

as provided by Primax Electronics (KS) Corp., Ltd. (hereinafter referred to as “Primax\_KS”), NO.278, Jinsong Road, Yu Shan Town, Kun Shan City, Jiang Su Province, China, in the GHG Assertion in the form of GHG report covering GHG emissions of the period 01 January 2022 to 31 December 2022.

## Roles and responsibilities

The management of Primax\_KS 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.

It is SGS’s responsibility to express an independent GHG verification opinion on the GHG emissions as provided in the GHG Assertion for the period 01 January 2022 to 31 December 2022.

SGS conducted a third-party verification of the provided GHG assertion against the principles of ISO 14064-1:2018, ISO 14064-3:2006 in the period 16 February 2023 to 30 March 2023. The verification was based on the verification scope, objectives and criteria as agreed between Primax and SGS on 26 September 2022.

## Level of Assurance

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.

## Scope

Primax has commissioned an independent verification by SGS Taiwan of reported GHG emissions of Primax\_KS arising from the registration covers design and manufacture of input devices, tablet, track pad and keyboard module activities, to establish conformance with ISO 14064:2018 principles within the scope of the verification as outlined below.

This engagement covers verification of emission from anthropogenic sources of greenhouse gases included within the organization's boundary and is based on ISO 14064-3:2006.

- Title or description activities: GHG verification for Primax\_KS in year 2022.
- Location/boundary of the activities:
  - NO.278, Jinsong Road, Yu Shan Town, Kun Shan City, Jiang Su Province, China
- Physical infrastructure, activities, technologies and processes of the organization: The registration covers design and manufacture of input devices, tablet, track pad and keyboard module.
- GHG sources, sinks and/or reservoirs included: Sources as presented in the inventory spreadsheet provided by Primax\_KS.
- Types of GHGs included: CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, SF<sub>6</sub>, NF<sub>3</sub>
- The IPCC 2013 AR5 GWP values are applied in this inventory.
- Emission factor:
  - Direct emissions: IPCC Guideline 2006, China standard GB/T 2589-2008.
  - Indirect emissions:
    - Electricity emission factor is 0.5703 T CO<sub>2</sub>e/kkwh (Announced by the "Notice on Doing a Good Job in the Management of Greenhouse Gas Emission Reporting for Enterprises in the Power Generation Industry from 2023 to 2025" in 2022).
    - The secondary database has Ecoinvent 2.2 · Ecoinvent v3 and ICAO Carbon Emissions Calculator.
- Directed actions: NA
- GHG information for the following period was verified: 01 January 2022 to 31 December 2022
- The version of inventory sheet: 08 April 2023
- The version of GHG assertion: 08 April 2023
- Intended user of the verification statement: 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 assertion
- The data reported are accurate, complete, consistent, transparent and free of material error or omission.



## Criteria

Criteria against which the verification assessment is undertaken are the principles of ISO 14064-1:2018.

## Materiality

The materiality required of the verification was considered by SGS to 5%, based on the needs of the intended user of the GHG Assertion.

## Conclusion

Primax\_KS provided the GHG assertion based on the requirements of ISO 14064-1: 2018. The GHG information for the period 01 January 2022 to 31 December 2022 disclosing emissions of 8,068.466 metric tonnes of CO<sub>2</sub> equivalent and 0.0000 metric tonnes of direct CO<sub>2</sub> emissions from the combustion of biomass are verified by SGS to a reasonable level of assurance, consistent with the agreed verification scope, objectives and criteria.

The emission of each category is described as below:

Unit: tonnes of CO<sub>2</sub>e

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Reporting Boundaries			GHG Emissions	
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	Associated with the use of products from the organization	No significant emissions	NA	

Reporting Boundaries		GHG Emissions	
Inventory categories	Description	Location-based	Market-based
Other sources	No significant emissions		NA
Direct emissions and indirect emissions		8,068.466	7,270.046

Primax\_KS purchased 1,400 Renewable Energy Certificate(s) in 2022. The imported energy emissions by location-based and market-based approach shown as the following table :

Unit: tonnes of CO<sub>2</sub>e

Purchased Renewable Energy Certificate(s) Information				
Site/Location	Type	Renewable Energy Source/Location	Imported energy emissions	
			Location-based	Market-based
Primax_KS	I-REC	Wind/China	1,411.3063	612.8863

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 we considered necessary to provide a reasonable level of assurance that the GHG emissions of category 1 and category 2, and limited level of assurance of category 3 till category 6 for the period 01 January 2022 to 31 December 2022 are fairly stated.

We conducted our verification with regard to the GHG assertion of Primax\_KS which included assessment of GHG information system, monitoring and reporting plan/protocol. This assessment included the collection of evidence supporting the reported data, and checking whether the provisions of the protocol reference, were consistently and appropriately applied.

In SGS's opinion the presented GHG assertion

- is materially correct and is a fair representation of the GHG data and information, and
- is prepared in accordance with ISO14064-1:2018 on GHG quantification, monitoring and reporting.



### 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 statement shall be interpreted with the GHG assertion of Primax\_KS as a whole.

### Verifier Group

Above statements coincide with auditing process with fairness and impartiality and aim at the emission of year 2022 of clients.

Lead Verifier:

*Kyle Lu.*

Verifier:

*Aiden Tseng*

Note: This Statement 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](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 statement, the findings and the supporting GHG Assertion may be consulted at Primax Electronics (KS) Corp., Ltd., NO.278, Jinsong Road, Yu Shan Town, Kun Shan City, Jiang Su Province, China. This Statement 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.