

Greenhouse Gas Verification Statement

The inventory of Greenhouse Gas emissions in year 2020 of

GIGA-BYTE TECHNOLOGY CO., LTD.

No.6, Baoqiang Rd., Xindian Dist.,
New Taipei City 231, Taiwan



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

ISO 14064-1:2006

Direct emissions

252.3970 tonnes of CO₂e

Energy indirect emissions

9,668.6586 tonnes of CO₂e

Direct emissions and energy indirect emissions

9,921.056 tonnes of CO₂e

Authorized by

David Huang

Senior Director

Date: 25 June 2021

Version 2

TGP56A-15-1 2101

SGS Taiwan Ltd.

No. 136-1, Wu Kung Road, New Taipei Industrial Park, Wu Ku District,

New Taipei City 24803, Taiwan

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SGS has been contracted by GIGA-BYTE TECHNOLOGY CO., LTD. (hereinafter referred to as "GIGA-BYTE"), No.6, Baoqiang Rd., Xindian Dist., New Taipei City 231, Taiwan for the verification of direct and indirect Greenhouse Gas emissions in accordance with

ISO 14064-3: 2006

as provided by GIGA-BYTE TECHNOLOGY CO., LTD. (hereinafter referred to as "GIGA-BYTE") , No.6, Baoqiang Rd., Xindian Dist., New Taipei City 231, Taiwan, in the GHG Assertion in the form of GHG report covering GHG emissions of the period 01 January 2020 to 31 December 2020.

Roles and responsibilities

The management of GIGA-BYTE 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 2020 to 31 December 2020.

SGS conducted a third party verification of the provided GHG assertion against the principles of ISO 14064-1:2006, ISO 14064-3:2006 in the period 05 March 2021 to 11 March 2021. The verification was based on the verification scope, objectives and criteria as agreed between GIGA-BYTE and SGS on 27 November 2020.

Level of Assurance

The level of assurance agreed is that of reasonable assurance.

Scope

GIGA-BYTE has commissioned an independent verification by SGS Taiwan of reported GHG emissions of GIGA-BYTE arising from the design and manufacture of computer system, bare bone, motherboard, add-on card, server platform, router, notebook and mobile phone activities, to establish conformance with ISO 14064:2006 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.

Statement TW21/00027GG, continued

- Title or description activities: GHG verification for GIGA-BYTE in year 2020
- Location/boundary of the activities:
 - No.6, Baoqiang Rd., Xindian Dist., New Taipei City 231, Taiwan
 - No.211 and No. 215, Nan Ping Road Ping-Jen Dist. Taoyuan City. Taiwan
- Physical infrastructure, activities, technologies and processes of the organization: the design and manufacture of computer system, bare bone, motherboard, add-on card, server platform, router, notebook and mobile phone
- GHG sources, sinks and/or reservoirs included: Sources as presented in the inventory spreadsheet provided by GIGA-BYTE
- Types of GHGs included: CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃
- The IPCC 2007 AR4 GWP values are applied in this inventory.
- Electricity emission factor: 0.509 kgCO₂e/kwh
(Announced by Bureau of Energy, Ministry of Economic Affairs in 2020)
- Directed actions: NA
- GHG information for the following period was verified: 01 January 2020 to 31 December 2020
- The version of inventory sheet: 2021.03.11
- The version of GHG assertion: 2021.03.11
- 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 14064-1:2006.

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

GIGA-BYTE provided the GHG assertion based on the requirements of ISO14064-1: 2006. The GHG information for the period 01 January 2020 to 31 December 2020 disclosing emissions of **9,921.056** metric tonnes of CO₂ equivalent and **0.0000** metric tonnes of direct CO₂ 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 site is described as below:

Unit: tonnes of CO₂e

Site	Direct emissions	Energy indirect emissions	Direct emissions and energy indirect emissions
Headquarters	170.1852	3461.8108	3631.9960
Ping-Jen Plant / Ping-Jen II Plant	82.2118	6206.8478	6289.0596

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 for the period 01 January 2020 to 31 December 2020 are fairly stated.

We conducted our verification with regard to the GHG assertion of GIGA-BYTE 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 ISO14064-1:2006 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

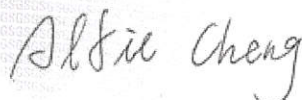
The reports and attachments are completely complied with the standards and procedures that related-authorities established. The reports and attachments of auditing process are conduct with fairness and honesty. If not, the auditing institution not only has to bear the relevant compensation duties, but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

This statement shall be interpreted with the GHG assertion of GIGA-BYTE as a whole.

Verifier Group

Above statements coincide with auditing process with fairness and impartiality, and aim at the emission of year 2020 of clients.

Lead Verifier:



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. 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 GIGA-BYTE TECHNOLOGY CO., LTD., No.6, Baoqiang Rd., Xindian Dist., New Taipei City 231, Taiwan, 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.

Greenhouse Gas Verification Statement

The inventory of Greenhouse Gas emissions in year 2020 of

**DONG GUAN GIGA-BYTE
TECHNOLOGY CO., LTD.
NINGBO GIGA-BYTE
TECHNOLOGY CO., LTD.**

No. 3, Yue Yuen 1 Road, Yue Yuen Industrial Park, Huang Jiang Town,
Dong Guan City, Guang Dong Province, P.R.C.

No. 9, Chuangye 2 Road, Western Area, Ningbo Free Trade Zone, Beiu,
Ningbo City, Zhejiang Province, P.R.C.

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

ISO 14064-1:2006

Direct emissions

395.6909 tonnes of CO₂e

Energy indirect emissions

18,455.1810 tonnes of CO₂e

Direct emissions and energy indirect emissions

18,850.872 tonnes of CO₂e

Authorized by

David Huang

Senior Director

Date: 21 May 2021

Version 1

TGP56A-15-1 2101

SGS Taiwan Ltd.

No. 136-1, Wu Kung Road, New Taipei Industrial Park, Wu Ku District,
New Taipei City 24803, Taiwan

t (02) 22993279 f (02)22999453 www.sgs.com



SGS has been contracted by GIGA-BYTE TECHNOLOGY CO., LTD. (hereinafter referred to as "GIGA-BYTE"), No.215, Nanping Rd., Pingzhen City, Taoyuan County 324, Taiwan, R.O.C. for the verification of direct and indirect Greenhouse Gas emissions in accordance with

ISO 14064-3:2006

as provided by DONG GUAN GIGA-BYTE TECHNOLOGY CO., LTD., No.3, Yue Yuen 1 Road, Yue Yuen Industrial Park, Huang Jiang Town, Dong Guan City, Guang Dong Province, P.R.C. and NINGBO GIGA-BYTE TECHNOLOGY CO., LTD., No.9, Chuangye 2 Road, Western Area, Ningbo Free Trade Zone, Beiun, Ningbo City, Zhejiang Province, P.R.C. (hereinafter referred to as "GIGA-BYTE in China") · No.215, Nanping Rd., Pingzhen City, Taoyuan County 324, Taiwan, R.O.C., in the GHG Assertion in the form of GHG report covering GHG emissions of the period 01 January 2020 to 31 December 2020.

Roles and responsibilities

The management of GIGA-BYTE in China 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 2020 to 31 December 2020.

SGS conducted a third party verification of the provided GHG assertion against the principles of ISO 14064-1:2006, ISO 14064-3:2006 in the period 09 March 2021 to 12 March 2021. The verification was based on the verification scope, objectives and criteria as agreed between GIGA-BYTE and SGS on 27 November 2020.

Level of Assurance

The level of assurance agreed is that of reasonable assurance.

Scope

GIGA-BYTE has commissioned an independent verification by SGS Taiwan of reported GHG emissions of GIGA-BYTE in China arising from manufacture of computer main boards and graphics cards, assembly of computer system and manufacture of computer, server, mobile phone, Notebook, data switch, data card, TV tuner, router, PCBA (printed circuit board assembly), mold and computer accessory (including: mother board, bare bone, graphics card, cooler, optical drive, wireless / Bluetooth card, chassis and peripheral) activities, to establish conformance with ISO 14064:2006 principles within the scope of the verification as outlined below.

Statement TW21/00110GG, continued

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 GIGA-BYTE in China in year 2020
- Location/boundary of the activities:
 - DONG GUAN GIGA-BYTE TECHNOLOGY CO., LTD.:
No.3, Yue Yuen 1 Road, Yue Yuen Industrial Park, Huang Jiang Town, Dong Guan City, Guang Dong Province, P.R.C.
 - NINGBO GIGA-BYTE TECHNOLOGY CO., LTD.:
No.9, Chuangye 2 Road, Western Area, Ningbo Free Trade Zone, Beiun, Ningbo City, Zhejiang Province, P.R.C.
- Physical infrastructure, activities, technologies and processes of the organization:
The manufacture of computer main boards and graphics cards, assembly of computer system and manufacture of computer, server, mobile phone, Notebook, data switch, data card, TV tuner, router, PCBA (printed circuit board assembly), mold and computer accessory (including: mother board, bare bone, graphics card, cooler, optical drive, wireless / Bluetooth card, chassis and peripheral)
- GHG sources, sinks and/or reservoirs included: Sources as presented in the inventory spreadsheet provided by GIGA-BYTE in China
- Types of GHGs included: CO₂, CH₄, N₂O, HFCs, PFCs, SF₆, NF₃
- The IPCC 2007 AR4 GWP values are applied in this inventory.
- Electricity emission factor:
 - DONG GUAN GIGA-BYTE TECHNOLOGY CO., LTD.: 0.8042 kgCO₂e/kWh
(Announced by Department of Climate change, National Development and Reform Commission, China)
 - NINGBO GIGA-BYTE TECHNOLOGY CO., LTD.: 0.7921 kgCO₂e/kWh
(Announced by Department of Climate change, National Development and Reform Commission, China)
- Directed actions: NA
- GHG information for the following period was verified: 01 January 2020 to 31 December 2020
- The version of inventory sheet: 2021-04-07
- The version of GHG assertion: 2021-04-07
- 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
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Criteria

Criteria against which the verification assessment is undertaken are the principles of ISO 14064-1:2006

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

GIGA-BYTE in China provided the GHG assertion based on the requirements of ISO14064-1: 2006. The GHG information for the period 01 January 2020 to 31 December 2020 disclosing emissions of 18,850.872 metric tonnes of CO₂ equivalent and 0.0000 metric tonnes of direct CO₂ 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 site is described as below:

Unit: tonnes of CO₂e

Site	Direct emissions	Energy indirect emissions	Direct emissions and energy indirect emissions
DONG GUAN GIGA-BYTE TECHNOLOGY CO., LTD.	167.8505	11,255.8695	11,423.720
NINGBO GIGA-BYTE TECHNOLOGY CO., LTD.	227.8403	7,199.3115	7,427.152

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 for the period 01 January 2020 to 31 December 2020 are fairly stated.

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Verifier Group

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Statement TW21/00110GG, continued

Lead Verifier:

Chris Peng

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