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Report no.: (TH24-136 / Version 1)

Greenhouse Gas Verification Report Opinion

THGHGP24136-01

Verification Global Unichip Corporation
No.10, Li-Hsin 6th Road, Hsinchu Science Park, Hsinchu City, Taiwan (R.O.C.)

Scope: ☒ The information of other sites are listed on the subsequent page. °

Verification WRI GHG Protocol

Criteria: Corporate Value Chain (Scope 3) Accounting and Reporting Standard (2011)

Verification According to ISO 14064-3:2019, AFNOR Asia Ltd. (AFNOR ASIA) confirms that the GHG statement (GHG inventory report) of the above-mentioned organization(s) is reported in accordance with the verification criteria agreed by both parties. AFNOR ASIA performs the verification with an objective and fair position and principle (relevant, complete, consistent, accurate, and transparent).

Objectives :

Data Period : 2024/01/01 - 2024/12/31 (The data being viewed is historical in nature)

Verification	Direct GHG Emissions(Scope 1) :	172.5808	Ton CO ₂ e
Data :	Energy Indirect GHG Emissions (Scope 2) : Market-Based	8926.3159	Ton CO ₂ e
	Energy Indirect GHG Emissions (Scope 2) : Location-based	10,038.3099	Ton CO ₂ e
	Indirect GHG Emissions(Scope 3) :	107,508.1447	Ton CO ₂ e

Global Warming Potential (GWP) : Refer to IPCC 2021 Year, the 6 assessment report.

Statement Basis : This statement must be interpreted in conjunction with the following content as a whole.

GHG Inventory Report	(Version : 5 ; Date : 2025/3/25)
GHG Inventory	(Version : 5 ; Date : 2025/3/25)

Type of Opinion : ☒ Unqualified ☐ Qualified (see the subsequent page) ☐ Disclaim the Issuance

Verification To confirm that the organization submits a GHG statement in accordance with the requirements of the verification criteria agreed by both parties, and fairly presents the GHG data and related information, which are consistent with the verification scope, objectives and criteria agreed by both parties.

Conclusion: Declares that the inventory data of Scope 1, Scope 2 and Scope 3 are the limited assurance level.

Date of Issuance: 2025/05/09

APPROVED BY

Steven Huang
Director for Certification
ON BEHALF OF
AFNOR ASIA

113-2024/00

Report no.: (TH24-136 / Version 1)

The Geographical Location of Multiple Sites :

Site	Address
Hsinchu Head Office	No.10, Li-Hsin 6th Road, Hsinchu Science Park,Hsinchu City 300096, Taiwan (R.O.C.)
VisEra Server Room	No. 12, Duxing 1st Rd., East Dist., Hsinchu City, Taiwan (R.O.C.)
Duxing warehouse	4th Floor, No. 6-1, Duxing Road, East District, Hsinchu City, Taiwan(R.O.C.)
Hsinchu Office	2th Floor 、 6th Floor,No. 19-1, Innovation 1st Road, Baoshan Township, Hsinchu County, Taiwan (R.O.C.)
Taipei Office	8th Floor, No. 246, Sec. 1, Neihu Rd., Neihu Dist., Taipei City, Taiwan (R.O.C.)
Tainan Office	Room A1 、 A2 、 A3 、 C1 6th Floor,No. 189, Sec. 1, Yongfu Rd., West Central Dist., Tainan City, Taiwan (R.O.C.)
GLOBAL UNICHIP (SHANGHAI) COMPANY,LIMITED	Room 2305-2306,No.1350 North Sichuan Rd.,Hongkou Dist.,Shanghai,China.
Shenzhen Office	Room 749&753, 7/F,Tower A,SCC,No.88 First Haide Avenue,Nanshan Dist.,Shenzhen,China.
Beijing Office	B12, 8th Floor, CP Centre, CBD Core Area Z14, Guanghua Road, Chaoyang Dist., Beijing, China.
Global Unichip (Nanjing) Ltd.	14th Floor,Block C, Fuying Building, No. 99, Tuanjie Road, Research & Innovation Park, Nanjing Jiangbei New Area,China.
Global Unichip Corp Europe B.V.	World Trade Center Tower H - 6th Floor, Zuidplein 58, 1077 XV Amsterdam,The Netherlands
Global Unichip Japan Co.,Ltd.	Room 1605, Yokohama Landmark Tower 16th Floor, 2-2-1, Minatomirai, Nishiku, Yokohama, 220-8116, Japan
Global Unichip Corporation Korea	3th Floor, AnJay Tower, 208, Teheran-ro, Gangnam-gu, Seoul, 06220, Korea
Global Unichip Corporation-NA	2841 Junction Ave. Suite 201 San Jose, CA 95134, USA
GLOBAL UNICHIP VIETNAM COMPANY LIMITED	The Grace Tower 7th Floor, 71 Hoang Van Thai Street, Tan Phu Ward, District 7, Ho Chi Minh City 700000 Vietnam

Report no.: (TH24-136 / Version 1)

Emissions data for each SCOP :

SCOP	Description of content	GHG emissions (tons CO ₂ e)	Note
SCOP 1: Direct GHG emissions	Emergency generator (diesel), official vehicle (gasoline), refrigerant escape (ice water host, air conditioner, refrigerator, water dispenser, high and low temperature test system), fire extinguisher, Septic tanks, gas circuit breakers	172.5808	
SCOP 2: Energy indirect GHG emissions	Purchased electricity	8,926.3159	Market-Based
		10,038.3099	Location-based
SCOP 3 : Indirect GHG emissions	Category 1~7	107,508.1447	

SCOP 3	Description of content	GHG emissions (tons CO ₂ e)	Note
Category 1: Purchased Goods and Services	Procurement of process raw materials, general supplies, Septic tanks (China base), refrigerant emissions from rental official vehicles	103,608.7187	
Category 2: Capital Goods	IT equipment procurement	746.4560	
Category 3: Fuel- and Energy-Related Activities Not Included in Scope 1 or Scope 2	Electric power upstream and transmission and distribution Hydraulic upstream acquisition and distribution Gasoline upstream mining and distribution	1,978.7511	
Category 4: Upstream Transportation and Distribution	Transportation of process raw materials	268.8485	
Category 5: Waste Generated in Operations	Waste disposal and transportation	124.0157	
Category 6: Business Travel	Various means of transportation	275.8507	
Category 7: Employee Commuting	Various means of transportation	505.5040	

Biomass burning emission: 0.0000 tons CO₂e

Report no.: (TH24-136 / Version 1)

Other Related Verification Information

Organization Boundaries :	Operational control
GHG Type :	Carbon dioxide (CO ₂), Methane (CH ₄), Nitrous oxide (N ₂ O), Hydrofluorocarbon (HFCs), Perfluorocarbon (PFCs), Sulfur hexafluoride (SF ₆), Nitrogen trifluoride (NF ₃)
Purpose of Intended Use:	Voluntarily understanding the status of greenhouse gas emissions as a basis for reduction strategies. (This statement of responsibility applies only to the purpose of intended use mentioned above and not to any other purpose.)
Purchased Power Factor:	Taiwan: Refer to the 2023 annual power factor announced by the Energy Administration, Ministry of Economic Affairs on 04 26, 2024 China: Cited from CPCD, China Products Carbon Footprint Factors Database national average power factor. Netherlands: Based on Ember (2024) and Energy Institute – Statistical Review of World Energy (2024) United States: As announced by the U.S. Environmental Protection Agency (EPA), Electricity Emission Factors (2022) South Korea: As announced by the Korea Energy Agency, Electricity Emission Factors (2021) Vietnam: As announced by the Vietnam Ministry of Natural Resources and Environment – Climate Change Department, Electricity Emission Factors (2023)
Data Sources :	<input checked="" type="checkbox"/> The primary data is collected from on-site operation activities. <input checked="" type="checkbox"/> Category 3~6 emissions are calculated with estimated data. The secondary data sources are: EPA Product Carbon Footprint Information Website、ICAO、UK Conversion factors、ECOINVENT、CPCD, China Products Carbon Footprint Factors Database <input type="checkbox"/> Others :
Verification Method:	<input checked="" type="checkbox"/> On-site : <input type="checkbox"/> Other :
Qualified Opinion :	No
Others :	No
Verification Date :	S1 : 2025/03/05、2025/03/07、2025/03/10、2025/03/17 日 S2 : 2025/03/25
Report Date :	2025/04/02

Report no.: (TH24-136 / Version 1)

Verification Team and Technical Review

Lead Verifier : Chen, HU-MU Signature: *Chen, HU-MU*

Verifier : Tien Chang Signature: *Tien Chang*

Verifier : Cavin Signature: *Cavin*

Independent Review : Hsiao-Kuang Ling Signature: *Hsiao-Kuang Ling*

Verification Processes

AFNOR ASIA is based on risk assessment methods and controls. Evidence collection procedures are including pre-trip assessment, on-site visits, interviews with site personnel, confirmation of documented evidence provided, sampling of emission data, evaluation of data management systems, confirming the collection and compilation of emission data, analysis between production and energy consumption, and confirmation of whether the terms of the agreement referred to are properly applied.

Roles and Responsibilities

The verified organization is responsible for preparing and submitting a GHG statement in accordance with the verification criteria. This responsibility includes the planning, implementation and maintenance of data management systems related to GHG declarations, GHG inventory and GHG inventory reports.

AFNOR ASIA provides independent third-party verification of the reported GHG emissions and issues verification opinions for the organizational GHG emissions. The verification team is independent and impartial, and there is no conflict of interest.