

声明编码 CN23/00001332

# 温室气体核查声明

以下组织的 2022 年 1 月 1 日至 2022 年 12 月 31 日  
温室气体盘查清册

## 广达上海制造城

注册地址：-

组织边界：该声明为多地址声明，具体的组织边界信息在后续页列出

已由 SGS 依据 ISO 14064-3:2019 进行了核查并满足以下要求



# ISO 14064-1:2018

直接温室气体排放量 [类别 1]  
17,293.13 吨二氧化碳当量

来自输入能源的间接温室气体排放量 [类别 2]  
146,980.35 吨二氧化碳当量

运输产生的间接温室气体排放量 [类别 3]  
689.09 吨二氧化碳当量

组织使用的产品产生的间接温室气体排放 [类别 4]  
3,302.53 吨二氧化碳当量

组织产品的使用有关的间接温室气体排放 [类别 5]  
[属于非重大间接排放，未量化]

其他来源的间接温室气体排放 [类别 6]  
[属于非重大间接排放，未量化]

经量化的总排放量  
168,265.10 吨二氧化碳当量

签署

David Xin

Sr. Director - Knowledge

签署日期：2023 年 3 月 17 日

通标标准技术服务有限公司

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SGS 与达丰(上海)电脑有限公司(下文称作“委托方”)签订合同, 依据

### ISO 14064-3:2019

核查由广达上海制造城(下文称作“责任方”)以温室气体报告形式提供的温室气体声明, 涵盖从 2022 年 1 月 1 日至 2022 年 12 月 31 日(下文称作“报告期”)的直接和间接温室气体排放。

### 角色和责任

责任方的管理者负责组织的温室气体信息系统, 依据该系统建立和维护记录及报告程序, 包括计算和决定温室气体排放信息及报告的排放量。

SGS 有责任对由责任方提供的报告期的温室气体声明作出独立的温室气体核查意见。

SGS 于 2023 年 3 月 15-17 日依据 ISO 14064-3:2019 要求对责任方提供的温室气体声明符合 ISO 14064-1:2018 的要求进行了第三方核查。核查是基于委托方与 SGS 于 2023 年 3 月 17 日商定的核查范围、目标和准则。

### 保证等级

商定的保证等级为合理保证。

### 适用范围

委托方委托 SGS 基于 ISO 14064-3:2019 进行一次独立核查, 以确保责任方所报告的温室气体排放量, 在下述的核查范围内符合 ISO 14064-1:2018 的要求。责任方的温室气体声明是以历史数据与信息来编制。

范围覆盖组织边界内人类活动引起的温室气体排放的核查:

- 组织边界的建立是遵循营运控制权。
- 活动地点/边界: 多地址的组织边界信息详见附页。
- 组织的基础设施、活动、技术和流程: 笔记本电脑、高清显示器、光学触控模组、储存器、一体式电脑、电脑主板、伺服器、出口用手机、通讯设备及产品、无线遥控产品、平板电脑、无线传输产品、无线网络产品、网络交换器、POS 终端、卫星定位接受设备和配件及相关网络设备的生产及相关管理活动、仓储物流、物业管理服务。
- 温室气体源、汇和/或库包括: 责任方的温室气体清册和温室气体报告中所提出的温室气体源。
- 温室气体种类包括: 二氧化碳、甲烷、氧化亚氮、氢氟碳化物、全氟碳化物、六氟化硫、三氟化氮。
- 以下期间的温室气体信息已被核查: 2022 年 1 月 1 日至 2022 年 12 月 31 日。
- 采用的全球变暖潜能: IPCC 第 6 次评估报告。
- 核查声明的预期用户: 私人使用者。

### 目标

本次核查之目的是通过客观证据审查:

- 温室气体排放是否如组织的温室气体声明所述
- 所报的数据是准确的、完整的、一致的、透明的和没有实质错误或遗漏。

### 准则

核查依据的准则是 ISO 14064-3:2019。

### 重要性

基于温室气体声明的预期用户的需要, 本次核查的重要性阈值定为 5%。

### 核查方法

SGS 的方法是基于风险，理解所报告的温室气体排放信息相关的风险并加以控制，从而减轻风险。我们的检查包括评估与排放量有关的证据和组织温室气体排放量的披露。

SGS 计划并执行工作来获取必要的信息、解释和证据，以提供保证等级，确保能公正地陈述在报告期内的责任方的温室气体排放。

SGS 核查责任方以温室气体报告的方式提供的温室气体声明，包括评估温室气体信息系统和报告计划或协议。这次评估包括收集用以支持所报数据的证据，以及检查所参考的协议的条款是否一致地和适当地应用。

### 核查意见结论

责任方提供了基于 ISO 14064-1:2018 要求的温室气体声明，声明在组织边界范围和报告期内共排放温室气体 168,265.10 吨二氧化碳当量。

SGS 基于商定的合理保证对责任方的温室气体声明独立核查后，出具的核查意见是：

无保留意见

责任方递交的温室气体声明是依据 ISO 14064-1:2018 对温室气体量化和准备报告，在重要性方面表述公正，声明中的温室气体数据和信息的确实体现且有充分和适宜的证据予以支持。

保留意见

责任方递交的温室气体声明无重大错误，但存在缺陷而影响出具无保留的核查意见。

否定意见

责任方递交的温室气体声明：

-存在重大错误

-收集的证据无法支持出具保留意见或无保留意见

无法表示意见

无法获取充分和适宜的证据来对责任方递交的温室气体声明是否依据 ISO 14064-1:2018 要求得到的公正表达形成意见。

本核查声明应与责任方温室气体报告的方式提供的温室气体声明作为一个整体进行解释说明。

注：通标标准技术服务有限公司 (“SGS”) 按 SGS 温室气体审定与核查服务通用条款发放此温室气体核查声明。此声明的内容基于核查结果编制。可向责任方查询获取此温室气体核查声明及责任方温室气体声明(温室气体报告的副本)。此核查声明不可解除委托方应遵守国家法律法规的责任。此核查声明不对 SGS 造成约束, SGS 没有责任面对除其委托方以外的任何一方。

本温室气体核查声明是以英语订立。若有任何译文差异，以英文版为准。

多地址的组织边界清单

	组织名称	组织边界描述
总部	广达上海制造城	-
地址 1	达丰(上海)电脑有限公司	中国上海市松江区三庄路 58 弄 2 号 F2 栋和 中国上海市松江区茸江路 68 号 Q-BUS-D 栋
地址 2	达功(上海)电脑有限公司	中国上海市松江区三庄路 68 号 F1、F3、F4、F5、F6 及 F7 栋
地址 3	达利(上海)电脑有限公司	中国上海市松江区茸江路 68 号 Q-BUS-F 栋
地址 4	达人(上海)电脑有限公司	中国上海市松江区茸江路 68 号 Q-BUS-A、Q-BUS-B 及 Q-BUS-C 栋
地址 5	达伟(上海)物流仓储有限公司	中国上海市松江区三庄路 58 弄 9 号 H1、H2 栋
地址 6	上海松业物业管理有限公司	中国上海市松江工业区南乐路 168 号和 中国上海市松江工业区联阳路 6 弄

# Greenhouse Gas Verification Statement

The inventory of Greenhouse Gas emissions in  
1 Jan. 2022 to 31 Dec. 2022 of

## Quanta Shanghai Manufacturing City (QSMC)



Business address: -

Organization boundary: Detail organization boundary information has been listed in  
Annex, for multi-site statement

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

# ISO 14064-1:2018

**Direct Emissions [Category 1]**  
17,293.13 tonnes of CO<sub>2</sub>e

**Indirect Emissions from Imported Energy [Category 2]**  
146,980.35 tonnes of CO<sub>2</sub>e

**Indirect Emissions from Transportation [Category 3]**  
689.09 tonnes of CO<sub>2</sub>e

**Indirect Emissions from Products Used by An Organization [Category 4]**  
3,302.53 tonnes of CO<sub>2</sub>e

**Indirect Emissions Associated with The Use of Products from  
The Organization [Category 5]**

[be determined as non-significant indirect emissions and not quantified]

**Indirect Emissions from Other Sources [Category 6]**

[be determined as non-significant indirect emissions and not quantified]

**Total Emissions Quantified**  
168,265.10 tonnes of CO<sub>2</sub>e

Authorized by  
David Xin

Sr. Director - Knowledge  
DATE: 17 Mar. 2022

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SGS has been contracted by Tech-Front (Shanghai) Computer Co., Ltd. (hereinafter referred to as "CLIENT"), for the verification of direct and indirect Greenhouse Gas emissions in accordance with

### ISO 14064-3:2019

as provided by Quanta Shanghai Manufacturing City (QSMC) (hereinafter referred to as "RESPONSIBLE PARTY"), in the Greenhouse Gas (GHG) Assertion in the form of GHG Report covering GHG emissions of the period 1 Jan. 2022 to 31 Dec. 2022 (hereinafter referred to as "REPORT PERIOD").

### Roles and responsibilities

The management of the RESPONSIBLE PARTY 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 statement as provided by the RESPONSIBLE PARTY for the REPORT PERIOD.

According to ISO 14064-3:2019, SGS has conducted a third-party verification of the provided GHG statement by RESPONSIBLE PARTY against the requirements of ISO 14064-1:2018 in the period 15-17 Mar. 2023. The verification is based on the verification scope, objectives and criteria as agreed between the CLIENT and SGS on 17 Mar. 2023.

### Level of Assurance

The level of assurance agreed is that of Reasonable assurance.

### Scope

The CLIENT has commissioned an independent verification by SGS in according to ISO 14064-3:2019 to assure the reported GHG emissions of RESPONSIBLE PARTY, in conformance with ISO 14064-1:2018 requirements within the scope of the verification as outlined below. The data and information supporting the GHG statement is historical in nature.

This engagement covers verification of emission from anthropogenic sources of greenhouse gases included within the organization's boundary:

- The organizational boundary is established following Operational control approach
- Location/boundary of the activities: detail boundary information has been listed in Annex
- Physical infrastructure, activities, technologies and processes: Manufacture of Notebook and Peripheral Devices; High Definition Display Panel; Optical Touch Module; Memory; Integrated Computer; Main Board; Server; Mobile Phone for Export; Communication Apparatus and Devices; Remote control; Tablet Personal Computer; Wireless module; Wireless adaptor; Wireless router; Management Ethernet Switch; Point of Sales Terminal; GPS(Global Positioning and Receiving System) and Peripheral Devices; Network Apparatus and Amendment and Related Management Activities; Storage and Logistics; Property Management Services
- GHG sources, sinks and/or reservoirs included: GHG sources as presented in the GHG inventory and report of the RESPONSIBLE PARTY
- 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>
- GHG information for the following period was verified: 1 Jan. 2022 to 31 Dec. 2022
- GWP adopted: IPCC 6 Assessment Report.
- Intended user of the verification statement: Private user.

### 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.

### Criteria

Criteria against which the verification assessment is undertaken are the requirements of ISO 14064-3:2019.

### Materiality

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

### Verification approach

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 of evidence relevant to the amounts and disclosures in relation to the organization's reported GHG emissions

We plan and perform 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 REPORT PERIOD are fairly stated.

We conduct our verification with regard to the GHG statement of GHG Report of the RESPONSIBLE PARTY which includes assessment of GHG information system and reporting plan/protocol. This assessment includes the collection of evidence supporting the reported data, and checking whether the provisions of the protocol reference, are consistently and appropriately applied.

### Verification opinion conclusion

The RESPONSIBLE PARTY provided the GHG statement based on the requirements of ISO 14064-1:2018 that total emission 168,265.10 tonnes of CO<sub>2</sub>e in the organization boundary for the REPORT PERIOD.

The verification opinion as below is issued by SGS after an independent verification for RESPONSIBLE PARTY's GHG statement base on agreed Reasonable assurance:

Unmodified

The GHG statement submitted by RESPONSIBLE PARTY is prepared in accordance with ISO 14064-1:2018 on GHG quantification and reporting, is a fair representation materially, the GHG data and information in statement are explicit and supported by adequacy and appropriate evidence.

Modified

The GHG statement submitted by RESPONSIBLE PARTY has no material misstatement, however has some deficiencies which will prevent the issuance of unmodified verification opinion.

Adverse opinion

The GHG statement submitted by RESPONSIBLE PARTY:

- has no material misstatement or
- there is insufficient or inappropriate evidence to support an unmodified or modified opinion.

Disclaiming the issuance of an opinion

It is unable to obtain sufficient and appropriate objective evidence to form an opinion as to whether the GHG statement submitted is presented fairly in accordance with ISO 14064-1:2018

This statement shall be interpreted with the GHG statement of GHG Report of the RESPONSIBLE PARTY as a whole.

Note: This Statement is issued by SGS-CSTC Standards Technical Services Co., Ltd. ("SGS") under its General Conditions for Greenhouse Gas Validation & Verification Services. The findings recorded hereon are based upon a verification performed by SGS. A full copy of this statement, the findings and the supporting GHG Assertion may be consulted from RESPONSIBLE PARTY. This Statement does not relieve Client from compliance with any by laws, 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.

The verification statement of greenhouse gases is concluded in English. Any translation differences, the English version shall prevail.

## Annex

### Multi-site Organizational Boundaries List

	Organization Name	Description of organizational boundaries
Headquarter	Quanta Shanghai Manufacturing City (QSMC)	-
Site 1	Tech-Front (Shanghai) Computer Co., Ltd.	Building F2, No. 2, Lane 58, Sanzhuang Road, Songjiang District, Shanghai, P.R. China and Building Q-BUS-D, No. 68, Rongjiang Road, Songjiang District, Shanghai, P.R. China
Site 2	Tech-Com (Shanghai) Computer Co., Ltd.	Building F1, F3, F4, F5, F6 and F7, No. 68, Sanzhuang Road, Songjiang District, Shanghai, P.R. China
Site 3	Tech-Lead (Shanghai) Computer Co., Ltd.	Building Q-BUS-F, No. 68, Rongjiang Road, Songjiang District, Shanghai, P.R. China
Site 4	Tech-Giant (Shanghai) Computer Co., Ltd.	Building Q-BUS-A, Q-BUS-B and Q-BUS-C, No. 68, Rongjiang Road, Songjiang District, Shanghai, P.R. China
Site 5	Tech-Wave (Shanghai) Logistics Co., Ltd.	Building H1, H2, No. 9, Lane 58, Sanzhuang Road, Songjiang District, Shanghai, P.R. China
Site 6	Shanghai Songyeh Property Management Co., Ltd.	No. 168, Nanle Road, Songjiang Industrial Zone, Shanghai, P.R. China and Lane 6, Lianyang Road, Songjiang Industrial Zone, Shanghai, P.R. China