

# Greenhouse Gas Emissions Verification Report

**To: Nuvoton Technology Corporation Japan**

## 1. Objective and Scope

Japan Quality Assurance Organization (hereafter “JQA”) was engaged by Nuvoton Technology Corporation Japan (hereafter “the Company”) to provide an independent verification on the “Nuvoton Technology Corporation Japan Greenhouse Gas Emissions Calculation report <FY2023>” (hereafter “the Report”) established by the Company. The content of our verification was to express our conclusion, based on our verification procedures, on whether the statement of information regarding the FY2023\* GHG emissions in “Chapter 6: GHG Report” of the Report was correctly measured and calculated, in accordance with “ISO 14064-1:2018 (JIS Q 14064-1:2023)”, and calculation rule stated in the Report (hereafter “the Rule”). The purpose of the verification is to evaluate the Report objectively and to enhance the credibility of the Report.

\* FY2023 refers to the period from January 1 to December 31, 2023.

## 2. Procedures Performed

JQA conducted verification in accordance with “ISO 14064-3:2019 (JIS Q 14064-3:2023)”. The scope of this verification assignment covers Direct GHG emissions (Category 1: CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, SF<sub>6</sub>, NF<sub>3</sub>), and Indirect GHG emissions (Category 2, 3, 4, 5, 6). The verification was conducted to a limited level of assurance and quantitative materiality was set at 5 percent of the total emissions in the Report. The organizational boundaries of this verification cover seven domestic sites of the Company.

Our verification procedures included:

- Performing validation of integrated functions to check the Rule prior to the site visit.
- Performing Indirect GHG emissions (Category 3, 4, 5, 6) verification to check the Report’s boundary, calculation scenario and allocation method, monitoring and calculation system and its controls.
- Holding on-site assessment for Direct GHG emissions (Category 1), and Indirect GHG emissions (Category 2, 4) at two sites: Shin-Yokohama Design & Sales Center and Arai District. The location of sampling sites for on-site assessment was selected by the Company.
- Holding on-site assessment to check the Report’s boundaries; GHG emission sources, monitoring points, monitoring and calculation system and its controls.
- Vouching: Cross-checking the calculation data against evidence.

## 3. Conclusion

Based on the procedures described above, nothing has come to our attention that caused us to believe that the information regarding the Company’s FY2023 GHG emissions in the Report is not materially correct, or has not been prepared in accordance with “ISO 14064-3:2019 (JIS Q 14064-3:2023)” and the Rule.

GHG emissions	Category 1	Category 2*	Category 3	Category 4	Category 5	Category 6
(t-CO <sub>2</sub> e)	20,829.5	59,669.2	2,655.8	475,553.7	147,730	Not applicable

\* Including purchased renewable energy

## 4. Consideration

The Company was responsible for preparing the Report, and JQA’s responsibility was to conduct verification of GHG emissions in the Report only. There is no conflict of interest between the Company and JQA.



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 For and on behalf of Japan Quality Assurance Organization  
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