Table of Product List

Webpage Publication Date	Product Name	Model Name	Country
2025.09	Galaxy S25 FE	SM-S731U	US
2025.09	Galaxy A56 5G	SM-A566U	US
2025.08	Galaxy A17	SM-A175F	UK
2025.08	Galaxy A17 5G	SM-A176B	UK
2025.07	Galaxy Z Fold7	SM-F966U	US
2025.07	Galaxy Z Flip7	SM-F766U	US
2025.07	Galaxy Z Flip7 FE	SM-F761U	US
2025.06	Galaxy S25 Edge	SM-S937U	US
2025.06	Galaxy XCover7 Pro	SM-G766U	US
2025.04	Galaxy A36 5G	SM-A366U	US
2025.03	Galaxy A56 5G	SM-A566B	EU
2025.02	Galaxy S25 Ultra	SM-S938U	US
2025.02	Galaxy S25 +	SM-S936U	US
2025.02	Galaxy S25	SM-S931U	US
2025.02	Galaxy A16 5G	SM-A166U	US

Webpage Publication Date	Product Name	Model Name	Country
2024.10	Galaxy S24 FE	SM-S721U	US
2024.08	Galaxy Z Fold6	SM-F956U	US
2024.08	Galaxy Z Flip6	SM-F741U	US
2024.06	Galaxy A35 5G	SM-A356B	EU
2024.06	Galaxy A55 5G	SM-A556B	EU
2024.02	Galaxy S24 Ultra	SM-S928U	US
2024.02	Galaxy S24+	SM-S926U	US
2024.02	Galaxy S24	SM-S921U	US
2024.02	Galaxy A15 5G	SM-A156U	US

Table of Product List

Product Name	Model Name	Country
Galaxy S25 FE	SM-S731U	US
Galaxy A56 5G	SM-A566U	US
Galaxy A17	SM-A175F	UK
Galaxy A17 5G	SM-A176B	UK
Galaxy Z Fold7	SM-F966U	US
Galaxy Z Fold7	SM-F966B	UK
Galaxy Z Flip7	SM-F766U	US
Galaxy Z Flip7	SM-F766B	UK
Galaxy Z Flip7 FE	SM-F761U	US
Galaxy Z Flip7 FE	SM-F761B	UK
Galaxy S25 Edge	SM-S937U	US
Galaxy S25 Edge	SM-S937B	UK

Table of Product List

Product Name	Model Name	Country
Galaxy XCover7 Pro	SM-G766U	US
Galaxy XCover7 Pro	SM-G766B	UK
Galaxy A26 5G	SM-A266B	EU
Galaxy A56 5G	SM-A566B	EU
Galaxy A36 5G	SM-A366B	EU
Galaxy S25 Ultra	SM-S938B	EU
Galaxy S25 Ultra	SM-S938U	US
Galaxy S25 +	SM-S936B	EU
Galaxy S25 +	SM-S936U	US
Galaxy S25	SM-S931B	EU
Galaxy S25	SM-S931U	US
Galaxy Z Fold Special Edition	SM-F958N	KR
Galaxy A16	SM-A165F	EU
Galaxy A16 5G	SM-A166B	EU
Galaxy A16 5G	SM-A166U	US
Galaxy S24 FE	SM-S721B	EU
Galaxy S24 FE	SM-S721U	US
Galaxy Z Flip6	SM-F7410	CN
Galaxy Z Fold6	SM-F956B	EU
Galaxy Z Fold6	SM-F956U	US
Galaxy Z Flip6	SM-F741B	EU
Galaxy Z Flip6	SM-F741U	US
Galaxy M35 5G	SM-M356B	SWA

Product Name	Model Name	Country
Galaxy A35 5G	SM-A356B	EU
Galaxy A55 5G	SM-A556B	EU
Galaxy M15 5G	SM-M156B	TK
Galaxy XCover7	SM-G556B	EU
Galaxy S24 Ultra	SM-S928B	EU
Galaxy S24 Ultra	SM-S928U	US
Galaxy S24+	SM-S926B	EU
Galaxy S24+	SM-S926U	US
Galaxy S24	SM-S921B	EU
Galaxy S24	SM-S921U	US
Galaxy A25 5G	SM-A256B	EU
Galaxy A25 5G	SM-A256U	US
Galaxy A15	SM-A155E	SEA
Galaxy A15 5G	SM-A156U	US
Galaxy A15 5G	SM-A156E	SEA
Galaxy M34 5G	SM-M346B	SWA
Galaxy M44 5G	SM-M446K	KOR
Galaxy S23 FE	SM-S711B	EU
Galaxy S23 FE	SM-S711U	US
Galaxy Z Flip5	SM-F731B	EU
Galaxy Z Flip5	SM-F731U	US
Galaxy Z Fold5	SM-F946B	EU
Galaxy Z Fold5	SM-F946U	US
Galaxy M54 5G	SM-M546B	UAE
Galaxy M14 5G	SM-M146B	UAE
Galaxy A54 5G	SM-A546U	US
Galaxy A54 5G	SM-A546B	EU

Product Name	Model Name	Country
Galaxy A34 5G	SM-A346B	EU
Galaxy A24	SM-A245F	EU
Galaxy A14	SM-A145F	EU

Life Cycle Assessment for Galaxy S25 FE(US)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Manufacturing	Parts and materials constituting the products and its transportation Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

SDP* : Sustainability Data Platform

BOM** : Bill of Material

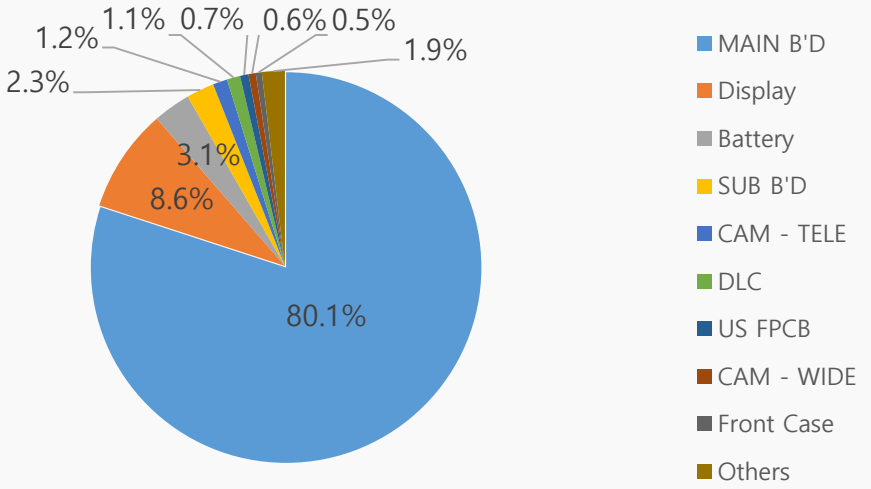
LCA Report Issuance Date : Sep. 22, 2025

Webpage Publication Date of Summary of LCA : Sep. 24, 2025

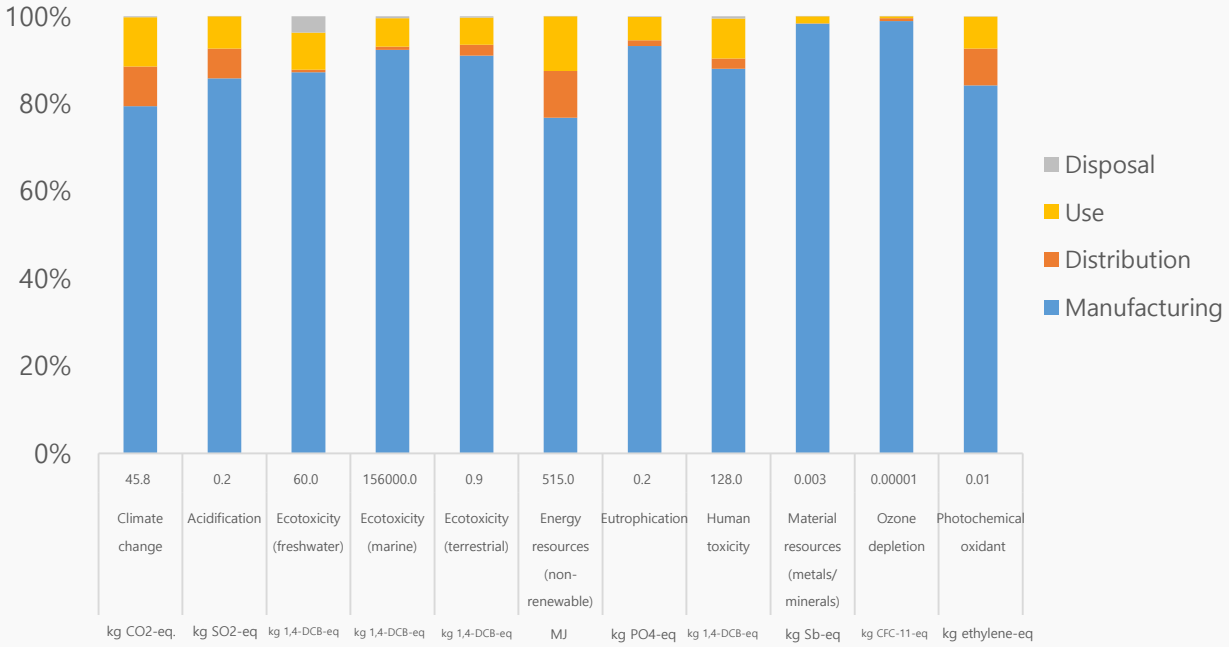
Product Features

Model name	SM-S731U (Galaxy S25 FE)	
Dimension (mm)	161.3 x 76.6 x 7.4	
Display (mm)	171.1	
Weight (g)	Product & Acc.	211.65
	Packages	150.62

Global Warming Impact Profile

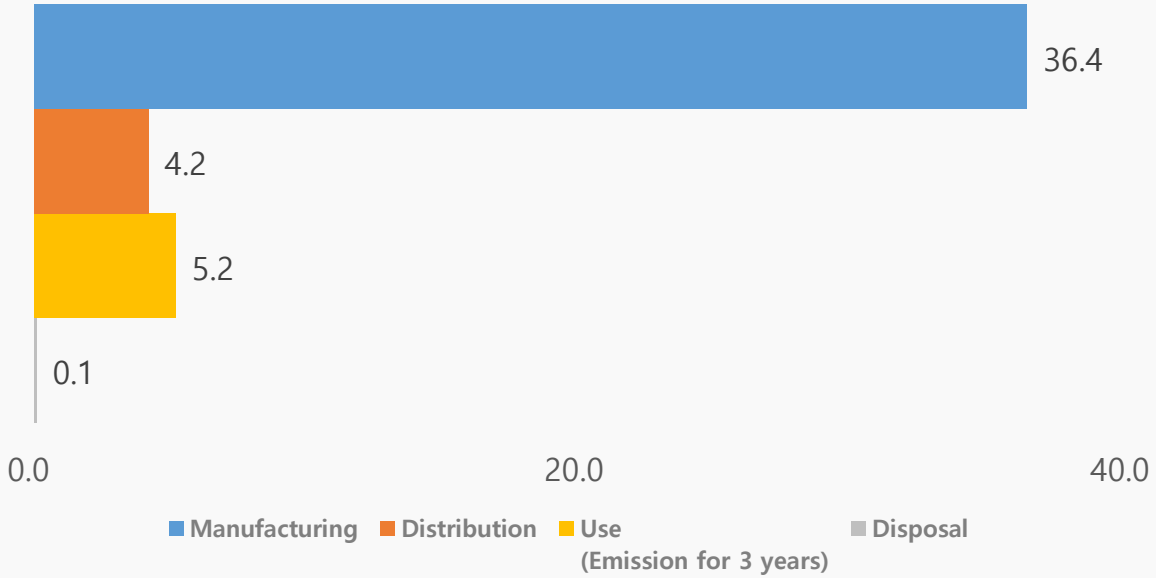


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A56 5G(US)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Manufacturing	Parts and materials constituting the products and its transportation Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

SDP* : Sustainability Data Platform

BOM** : Bill of Material

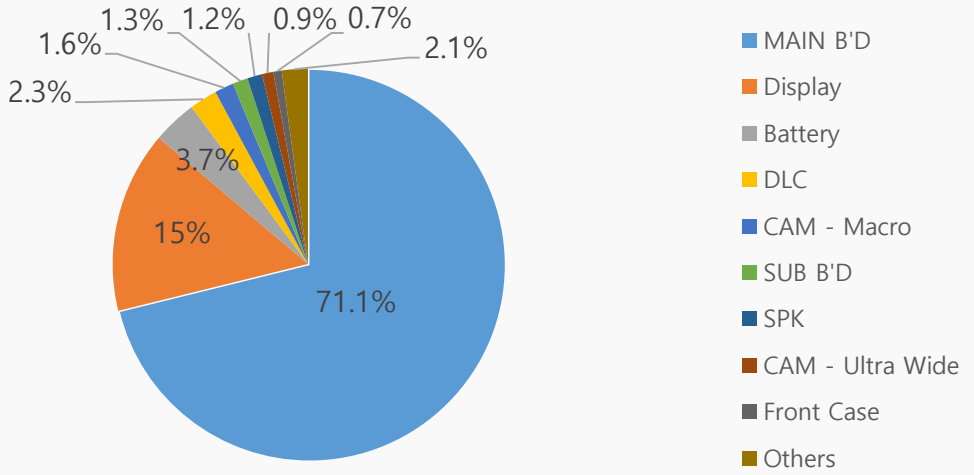
LCA Report Issuance Date : Aug. 25, 2025

Webpage Publication Date of Summary of LCA : Sep. 1, 2025

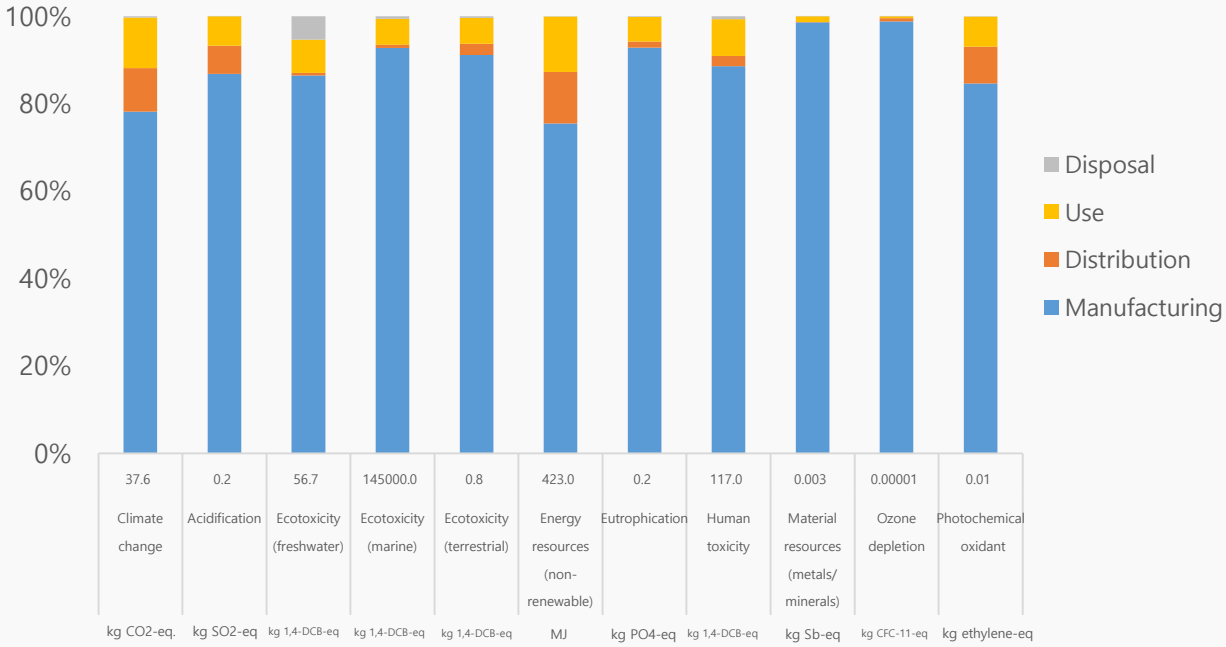
Product Features

Model name	SM-A566U (Galaxy A56 5G)	
Dimension (mm)	162.2 x 77.5 x 7.4	
Display (mm)	170.1	
Weight (g)	Product & Acc.	219.94
	Packages	104.54

Global Warming Impact Profile

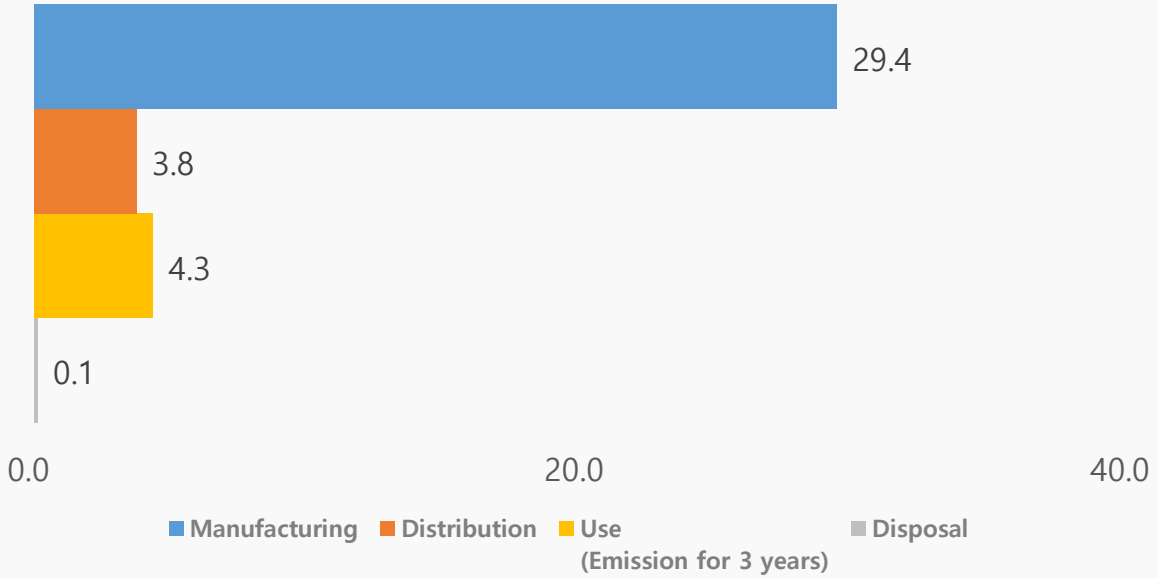


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A17(UK)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Manufacturing	Parts and materials constituting the products and its transportation Product assembly by Samsung Electronics
Distribution	From Vietnam to UK
Use	3 years use
Disposal	Waste treatment of parts and material

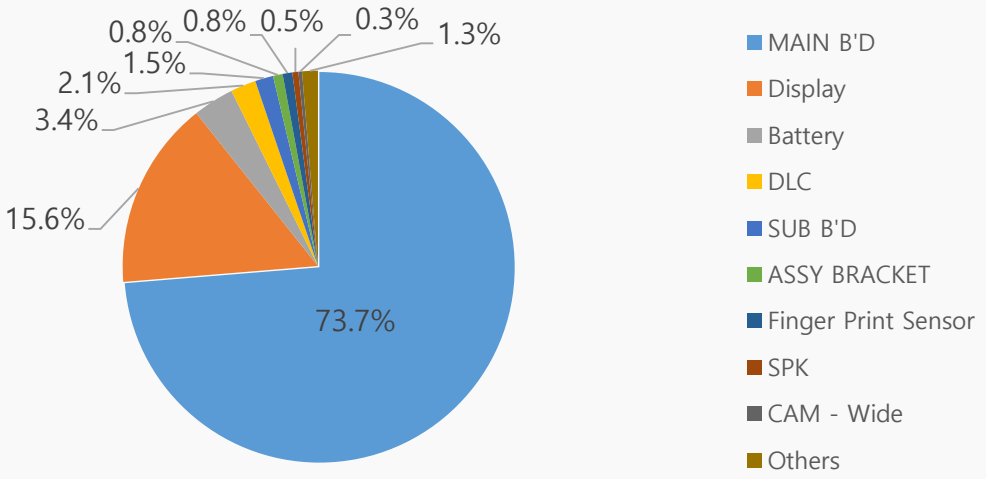
SDP* : Sustainability Data Platform

BOM** : Bill of Material

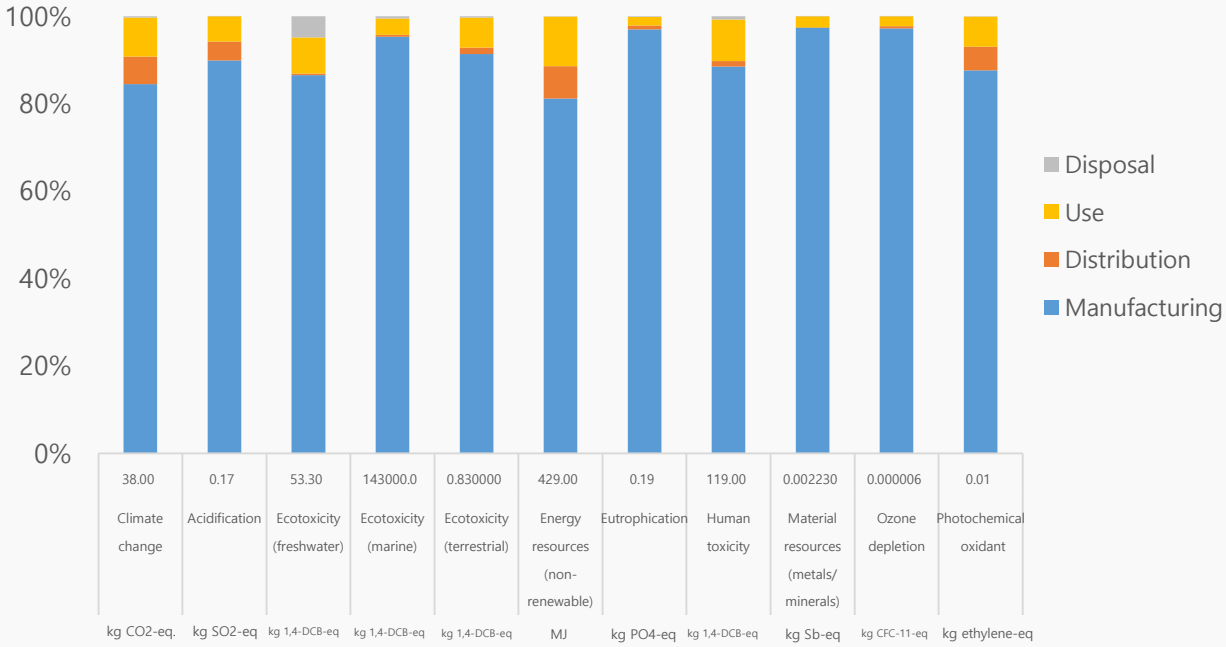
Product Features

Model name	SM-A175F(Galaxy A17)	
Dimension (mm)	164.4 x 77.9 x 7.5	
Display (mm)	169.1	
Weight (g)	Product & Acc.	216.36
	Packages	82.78

Global Warming Impact Profile

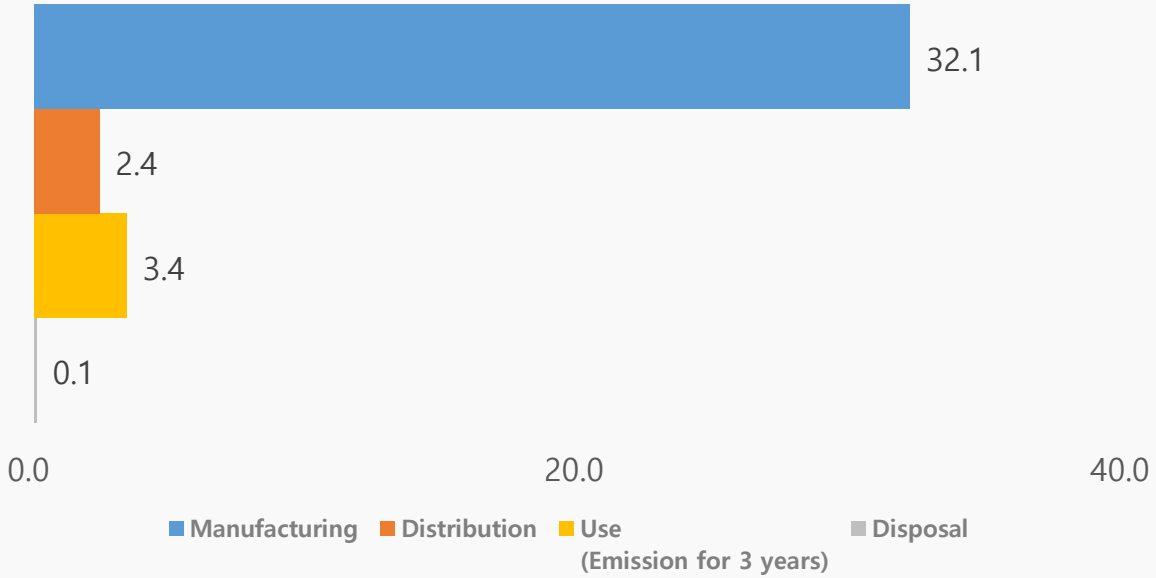


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A17 5G(UK)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Manufacturing	Parts and materials constituting the products and its transportation Product assembly by Samsung Electronics
Distribution	From Vietnam to UK
Use	3 years use
Disposal	Waste treatment of parts and material

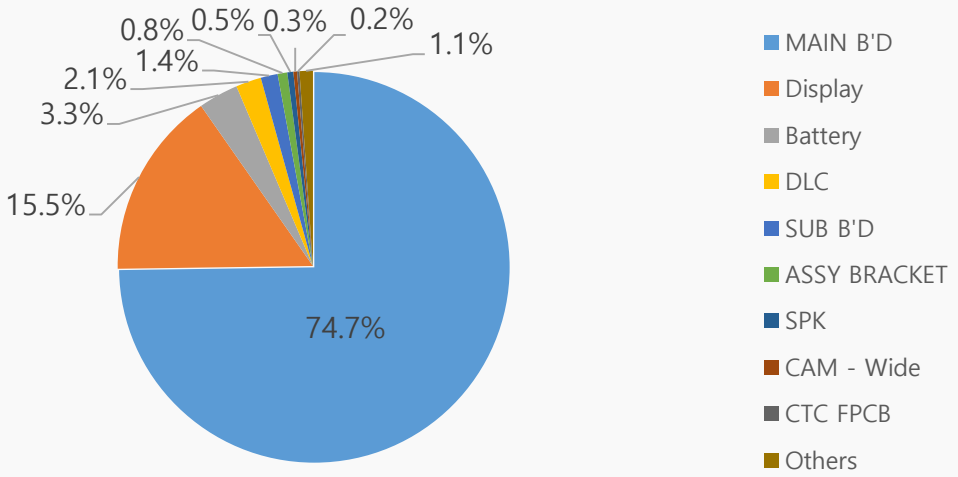
SDP* : Sustainability Data Platform

BOM** : Bill of Material

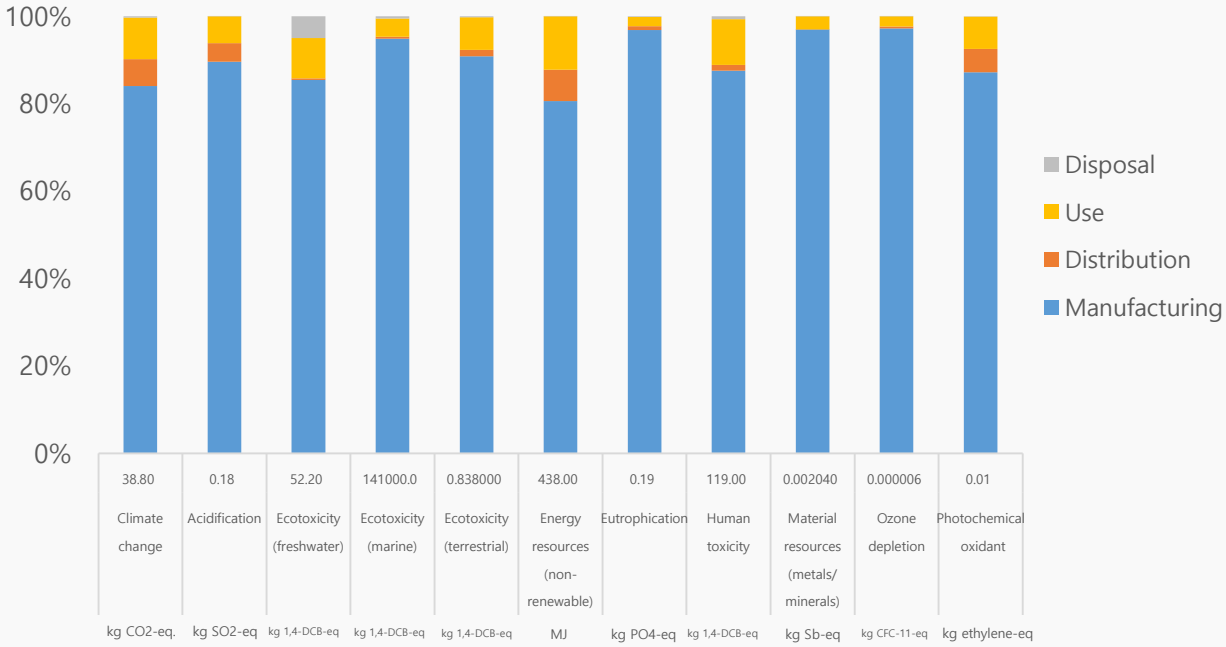
Product Features

Model name	SM-A176B(Galaxy A17 5G)	
Dimension (mm)	164.4 x 77.9 x 7.5	
Display (mm)	169.1	
Weight (g)	Product & Acc.	217.93
	Packages	81.26

Global Warming Impact Profile

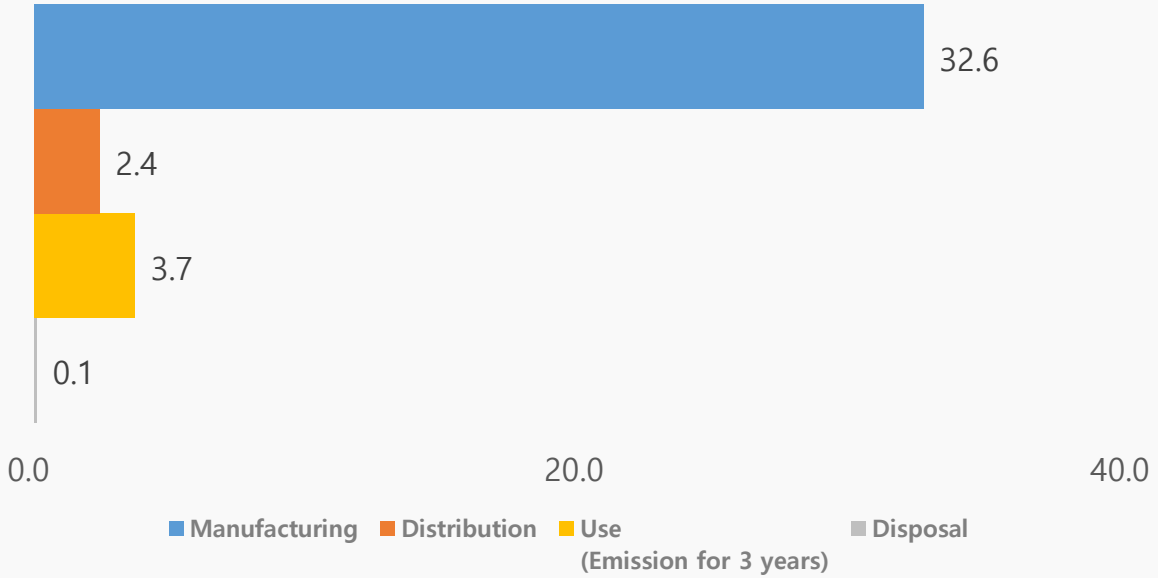


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy Z Fold7(US)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

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This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

SDP* : Sustainability Data Platform

BOM** : Bill of Material

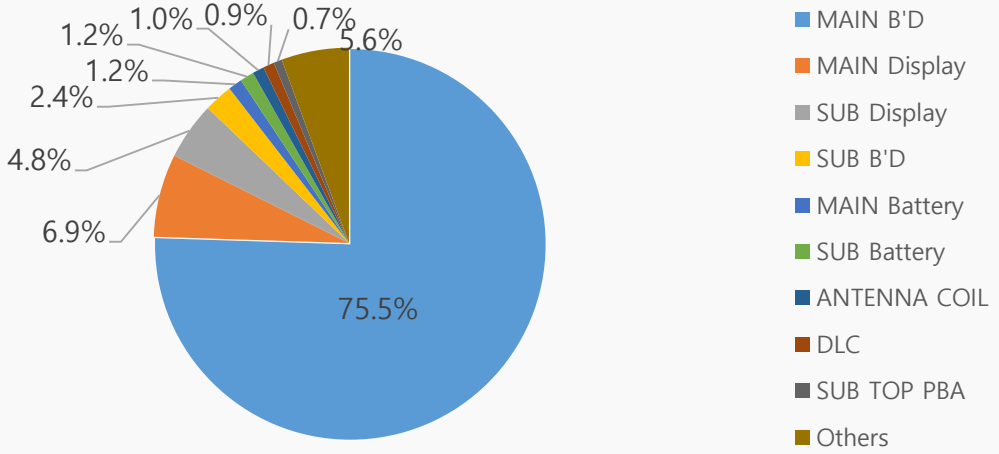
LCA Report Issuance Date : Jul. 18, 2025

Webpage Publication Date of Summary of LCA : Jul. 30, 2025

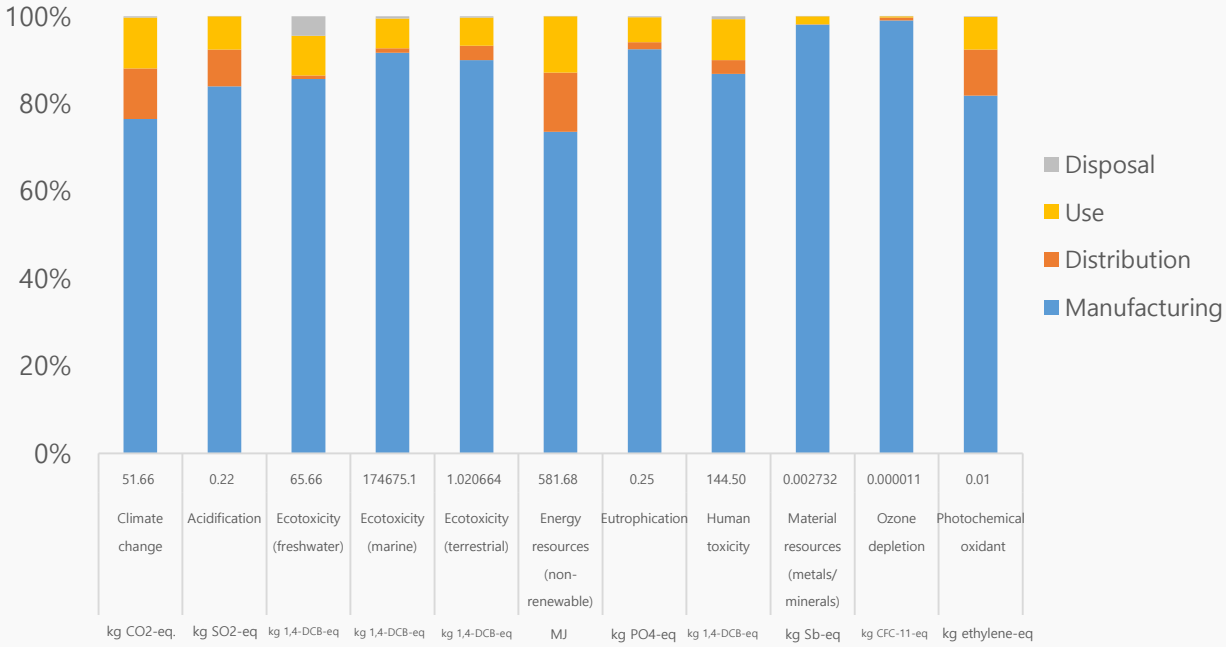
Product Features

Model name	SM-F966U (Galaxy Z Fold7)	
Dimension (mm)	158.4 x 143.2 x 4.2	
Display (mm)	203.1	
Weight (g)	Product & Acc.	238.08
	Packages	284.36

Global Warming Impact Profile

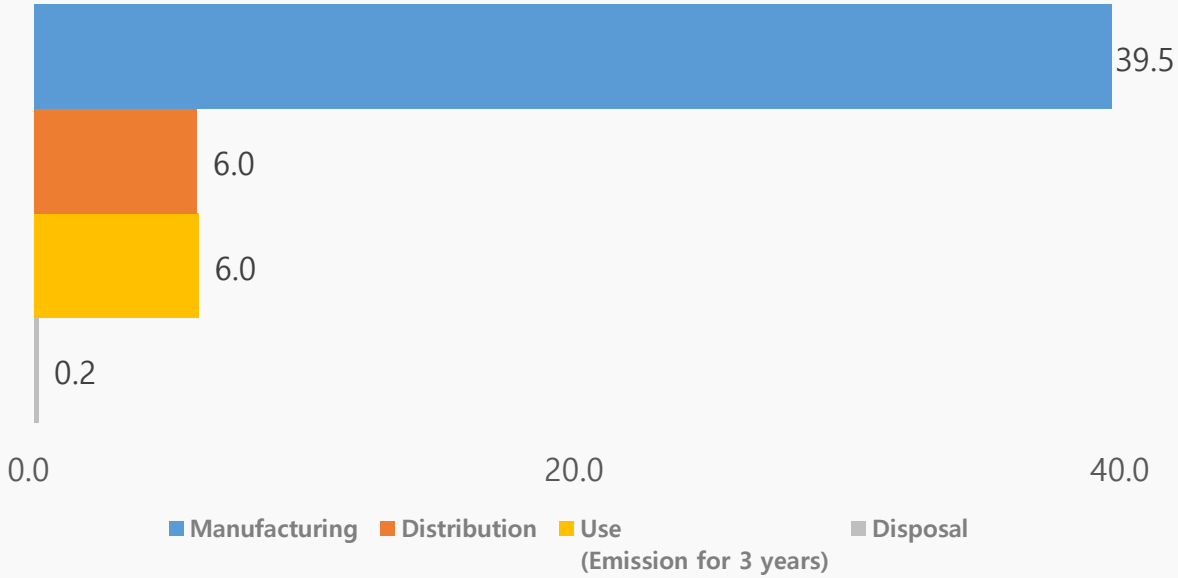


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy Z Fold7(UK)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

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This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to UK
Use	3 years use
Disposal	Waste treatment of parts and material

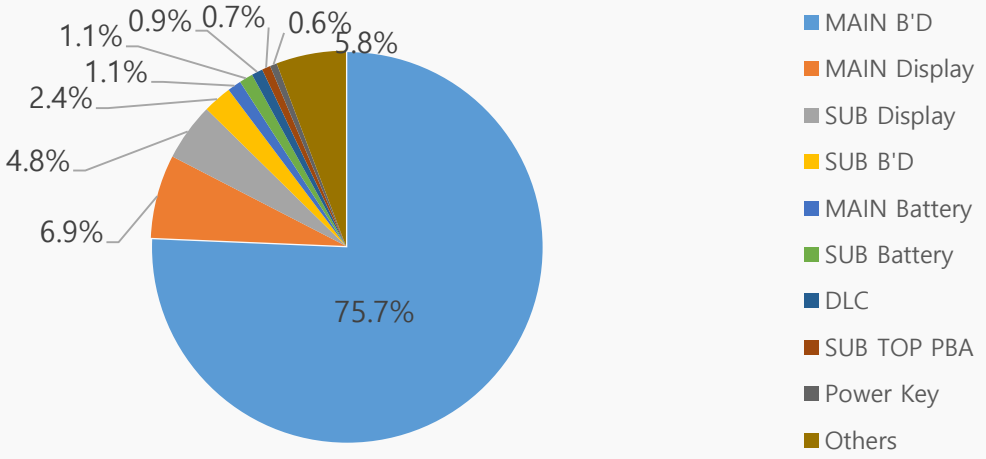
SDP* : Sustainability Data Platform

BOM** : Bill of Material

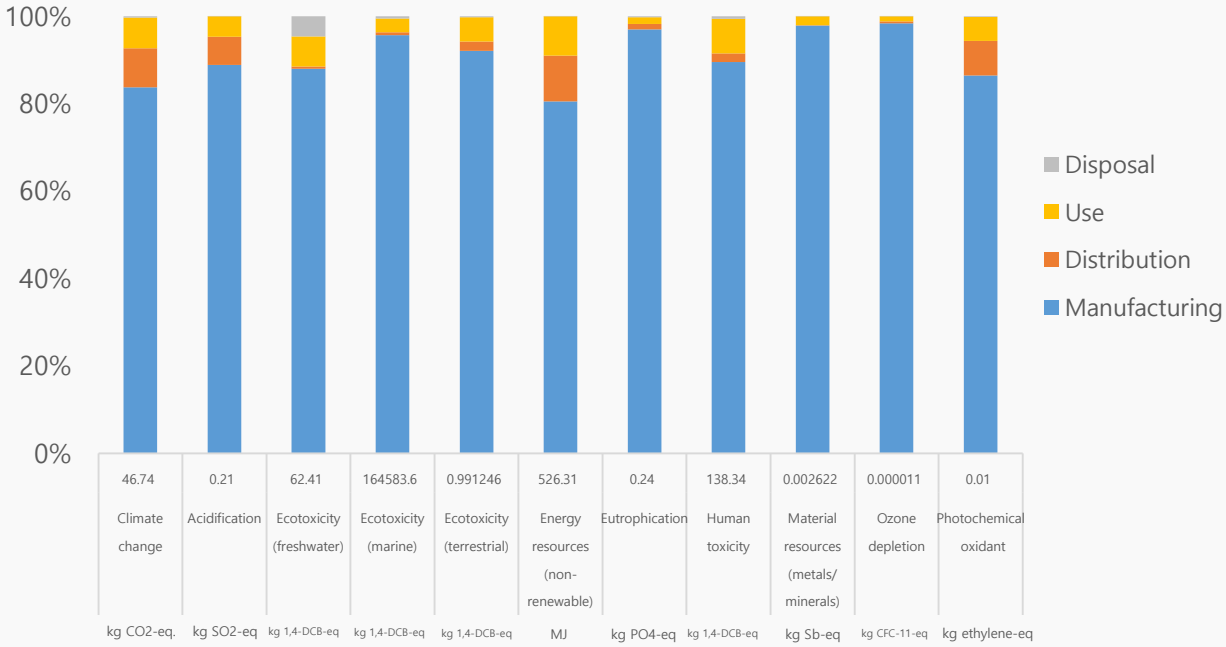
Product Features

Model name	SM-F966B (Galaxy Z Fold7)	
Dimension (mm)	158.4 x 143.2 x 4.2	
Display (mm)	203.1	
Weight (g)	Product & Acc.	238.08
	Packages	284.36

Global Warming Impact Profile

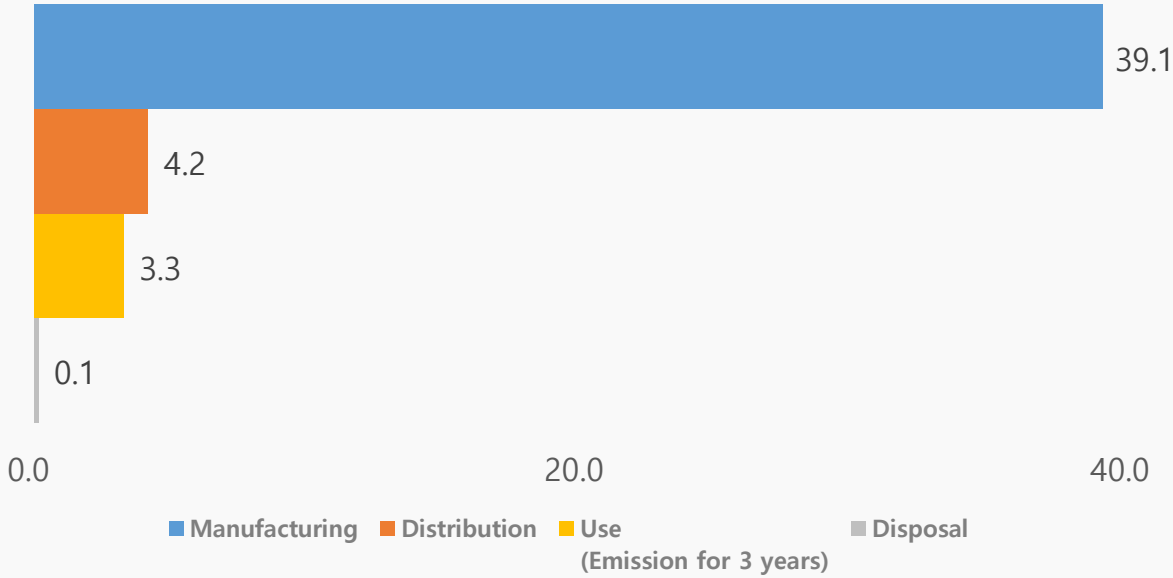


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy Z Flip7(US)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

SDP* : Sustainability Data Platform

BOM** : Bill of Material

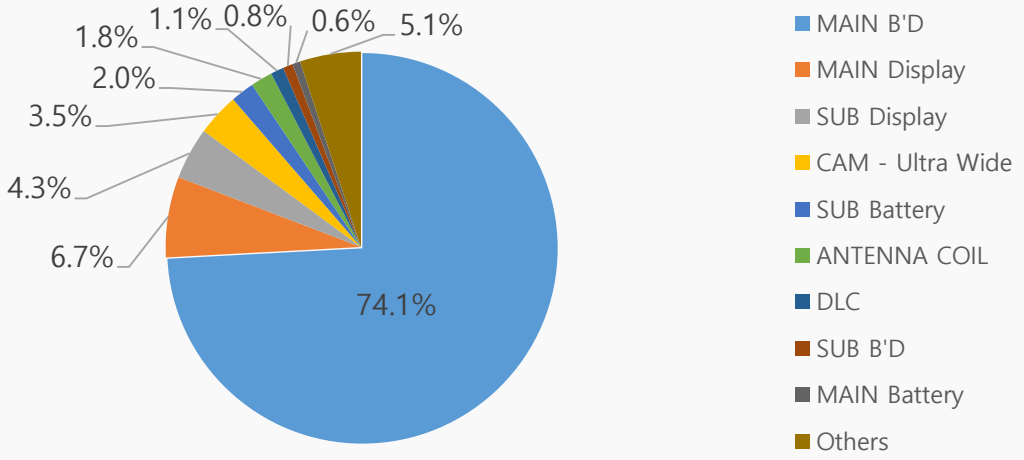
LCA Report Issuance Date : Jul. 18, 2025

Webpage Publication Date of Summary of LCA : Jul. 30, 2025

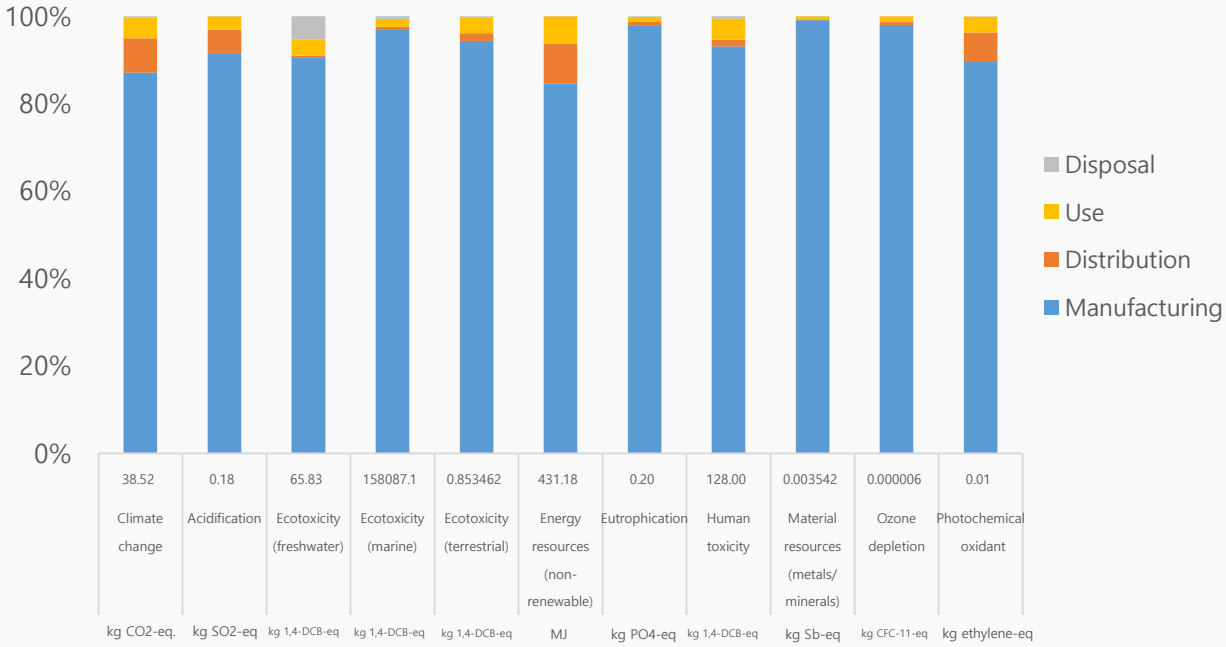
Product Features

Model name	SM-F766U (Galaxy Z Flip7)	
Dimension (mm)	166.7 x 75.2 x 6.5	
Display (mm)	174.1	
Weight (g)	Product & Acc.	206.37
	Packages	168.98

Global Warming Impact Profile

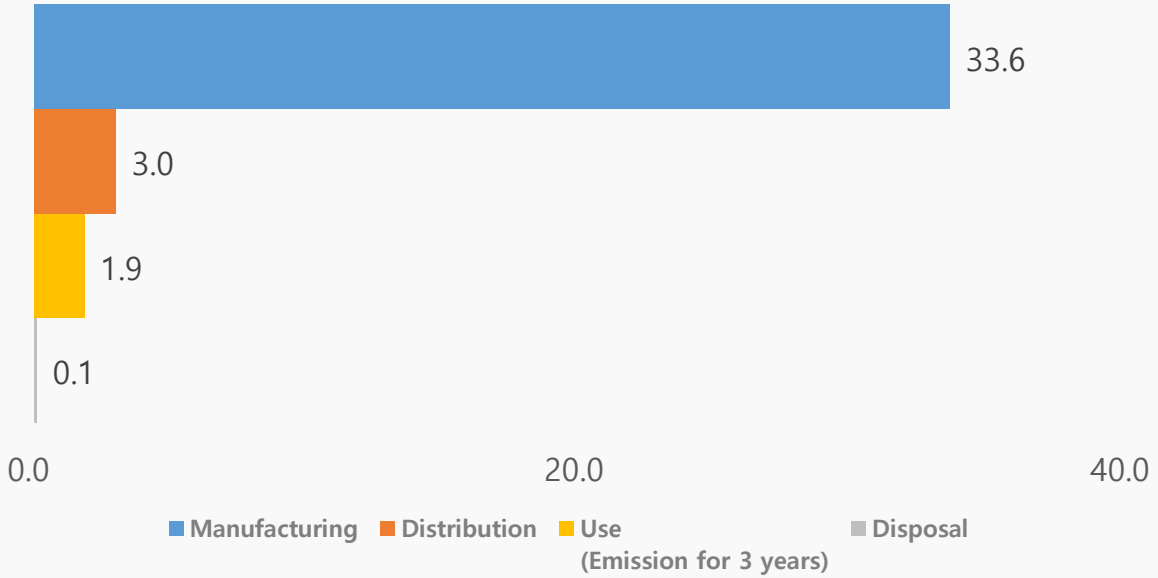


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy Z Flip7(UK)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to UK
Use	3 years use
Disposal	Waste treatment of parts and material

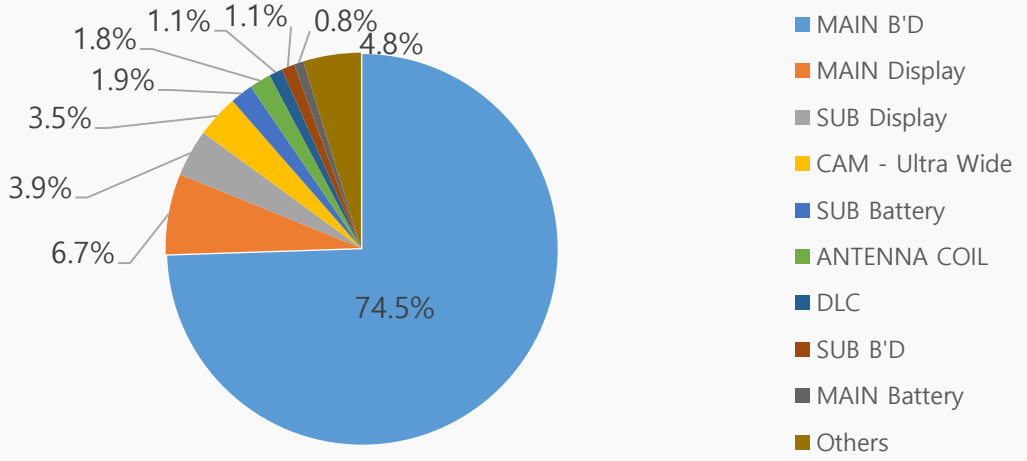
SDP* : Sustainability Data Platform

BOM** : Bill of Material

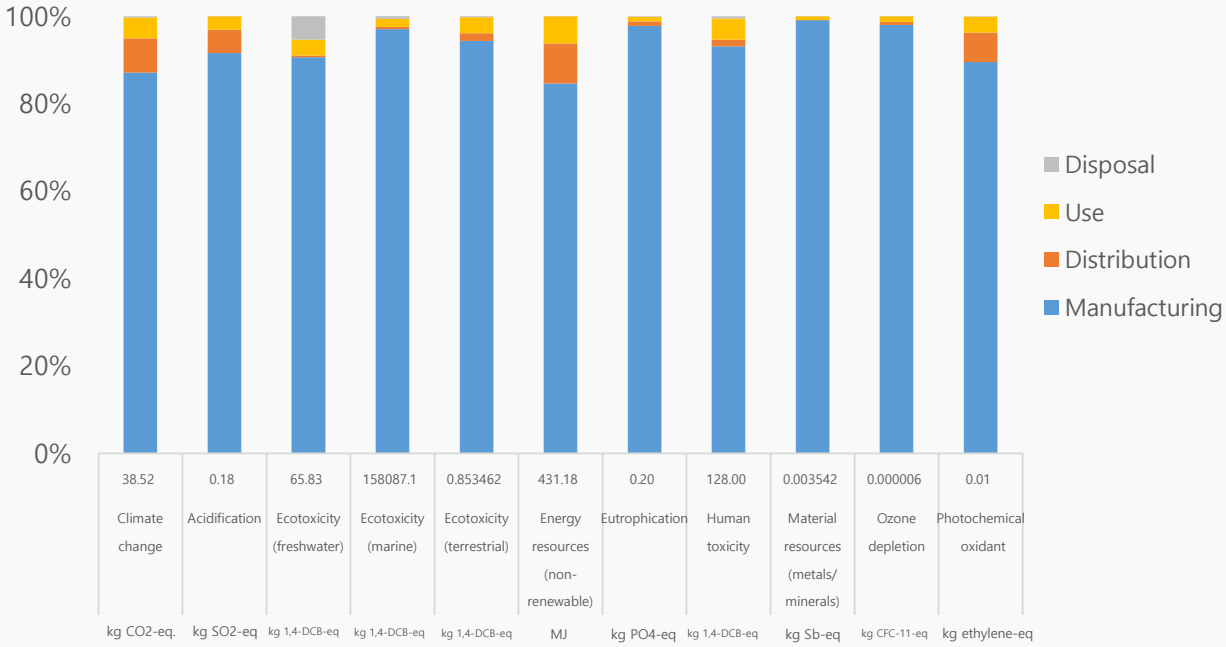
Product Features

Model name	SM-F766B (Galaxy Z Flip7)	
Dimension (mm)	166.7 x 75.2 x 6.5	
Display (mm)	174.1	
Weight (g)	Product & Acc.	206.37
	Packages	168.98

Global Warming Impact Profile

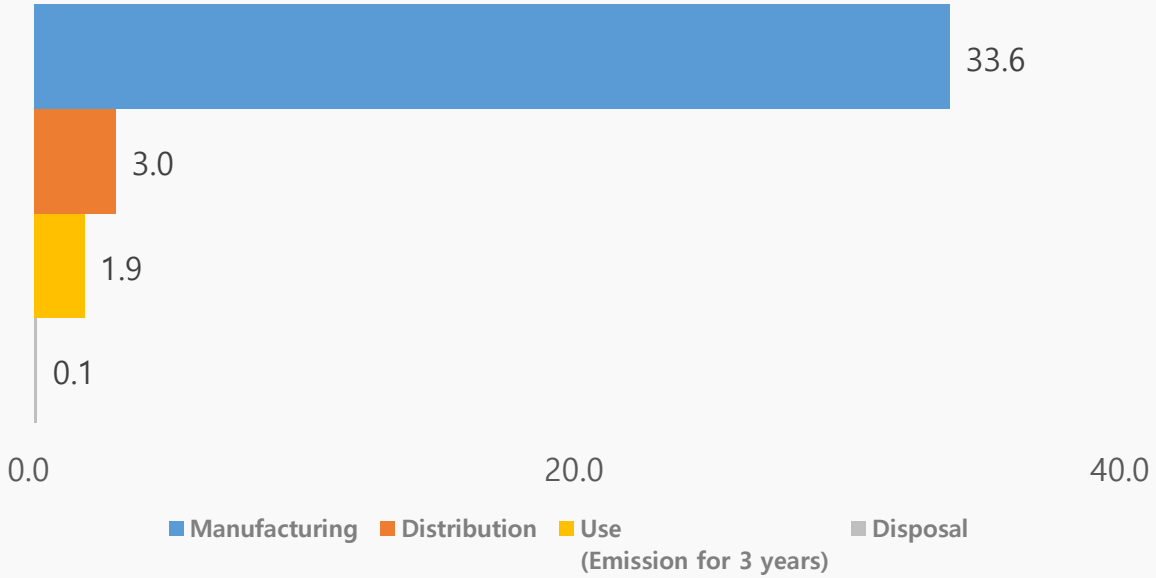


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy Z Flip7 FE(US)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

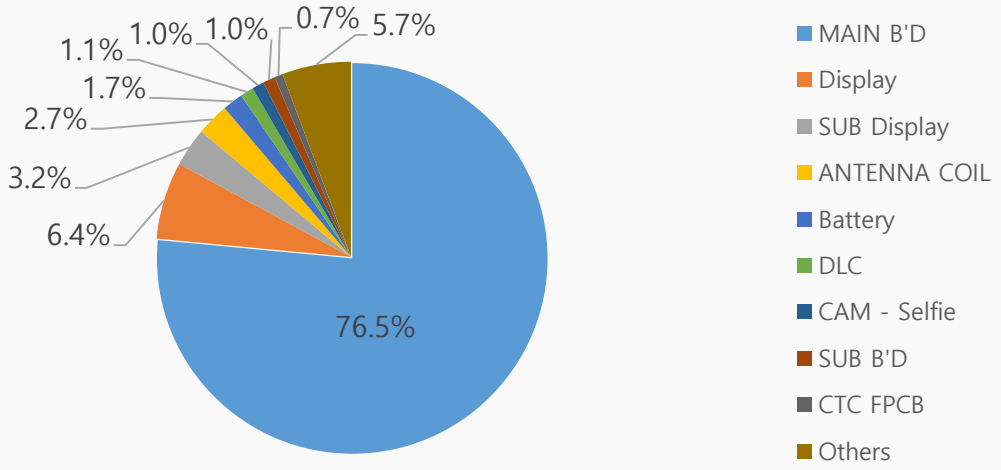
SDP* : Sustainability Data Platform

BOM** : Bill of Material

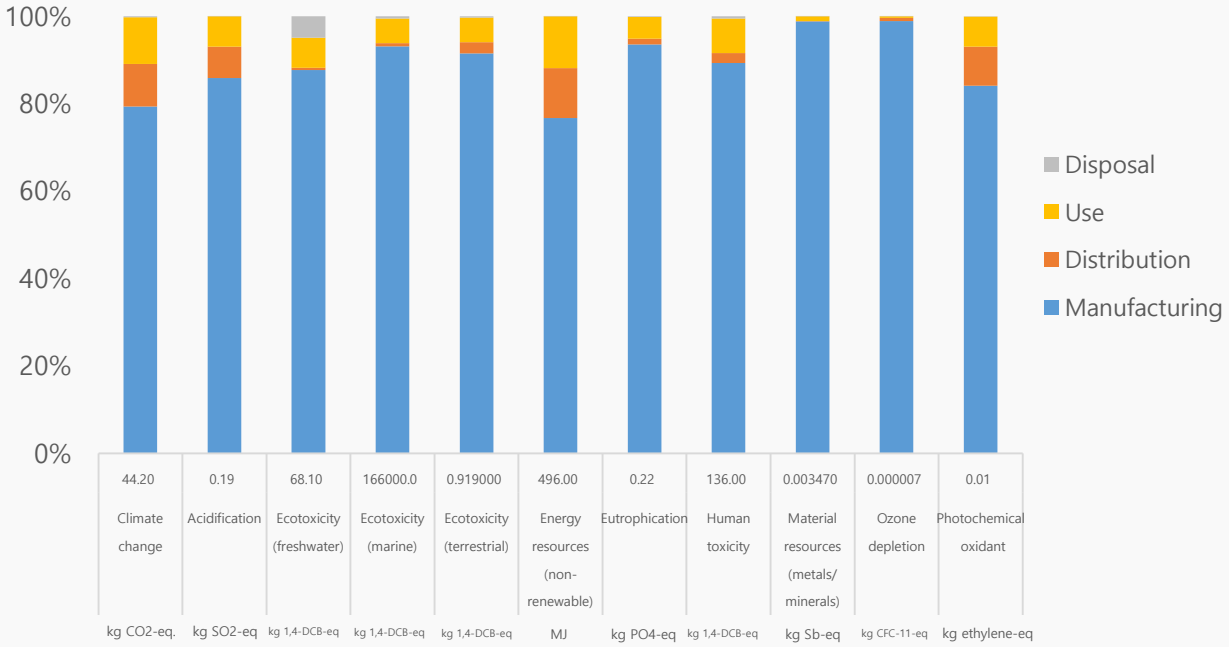
Product Features

Model name	SM-F761U(Galaxy Z Flip7 FE)	
Dimension (mm)	165.1 x 71.9 x 6.9	
Display (mm)	187	
Weight (g)	Product & Acc.	221.60
	Packages	151.83

Global Warming Impact Profile

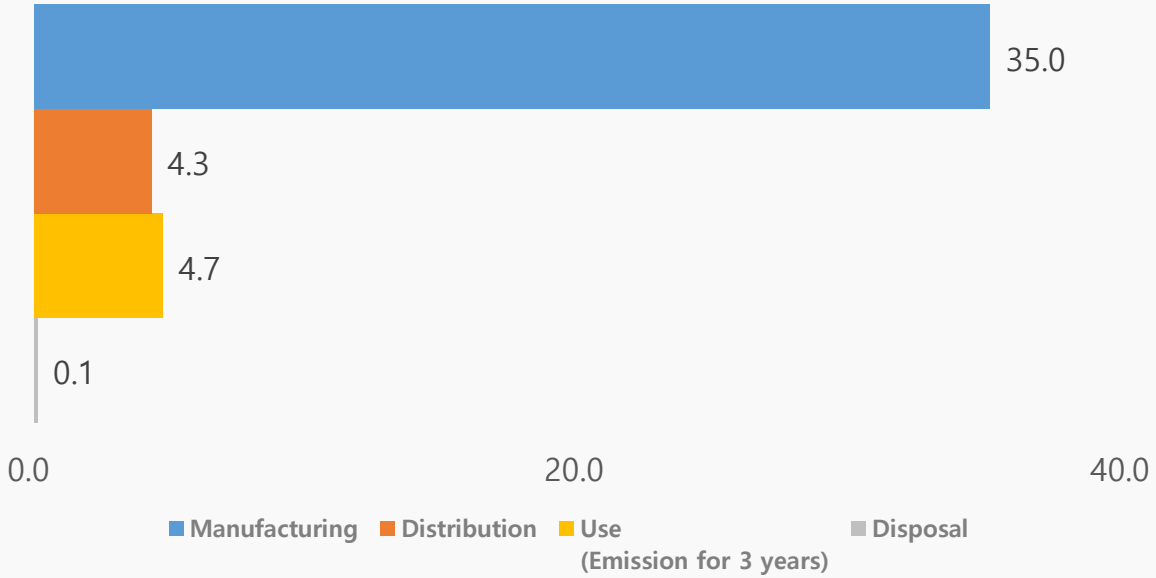


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy Z Flip7 FE(UK)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to UK
Use	3 years use
Disposal	Waste treatment of parts and material

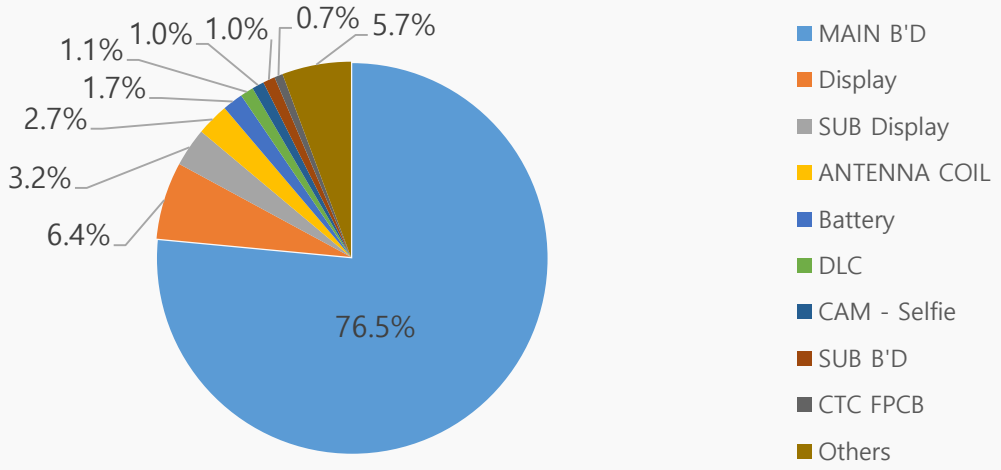
SDP* : Sustainability Data Platform

BOM** : Bill of Material

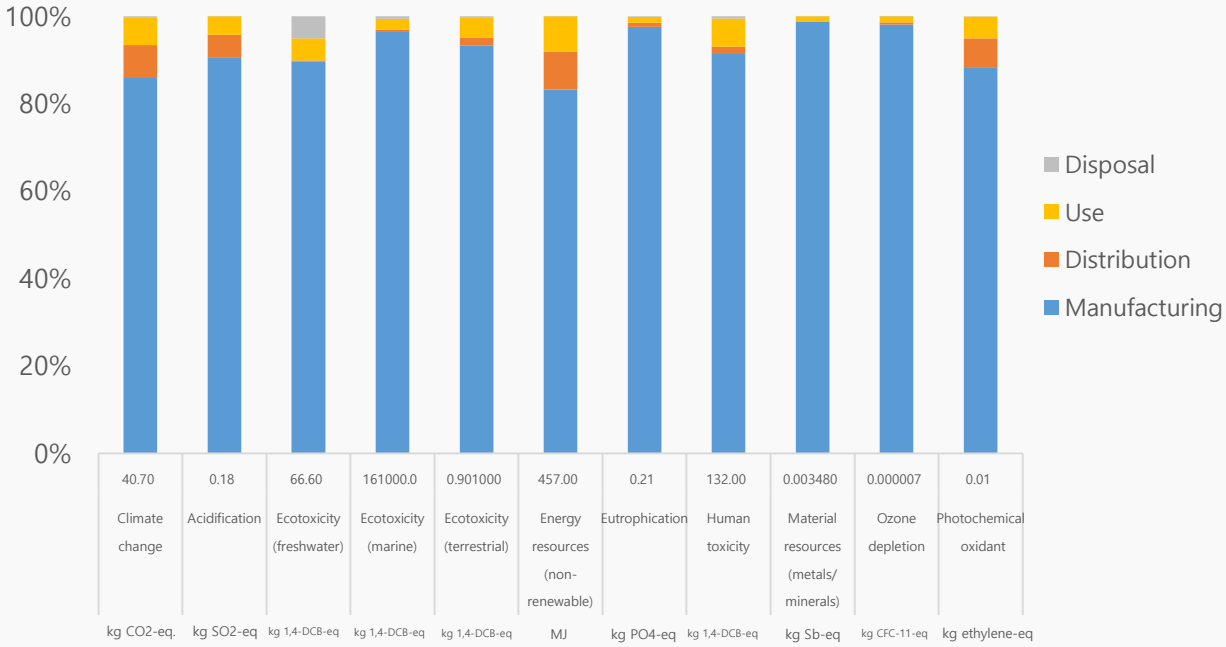
Product Features

Model name	SM-F761B(Galaxy Z Flip7 FE)	
Dimension (mm)	165.1 x 71.9 x 6.9	
Display (mm)	187	
Weight (g)	Product & Acc.	221.60
	Packages	151.83

Global Warming Impact Profile

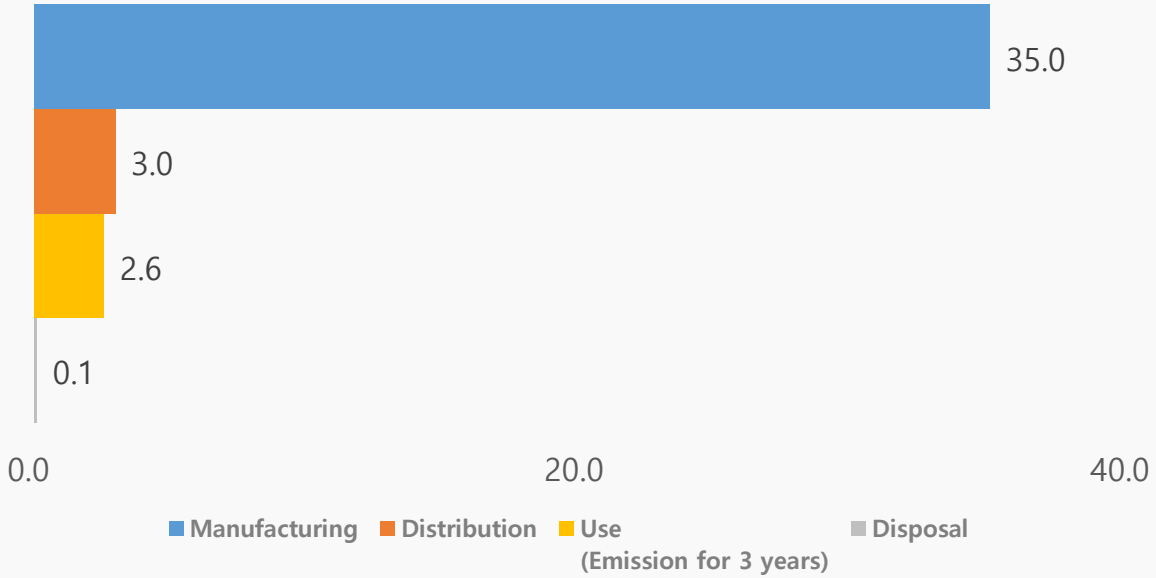


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S25 Edge(US)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

SDP* : Sustainability Data Platform

BOM** : Bill of Material

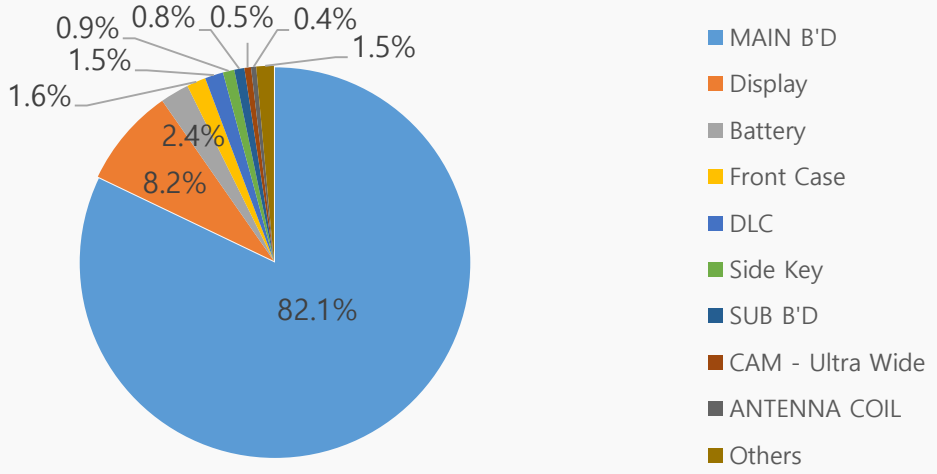
LCA Report Issuance Date : Jun. 23, 2025

Webpage Publication Date of Summary of LCA : Jun. 30, 2025

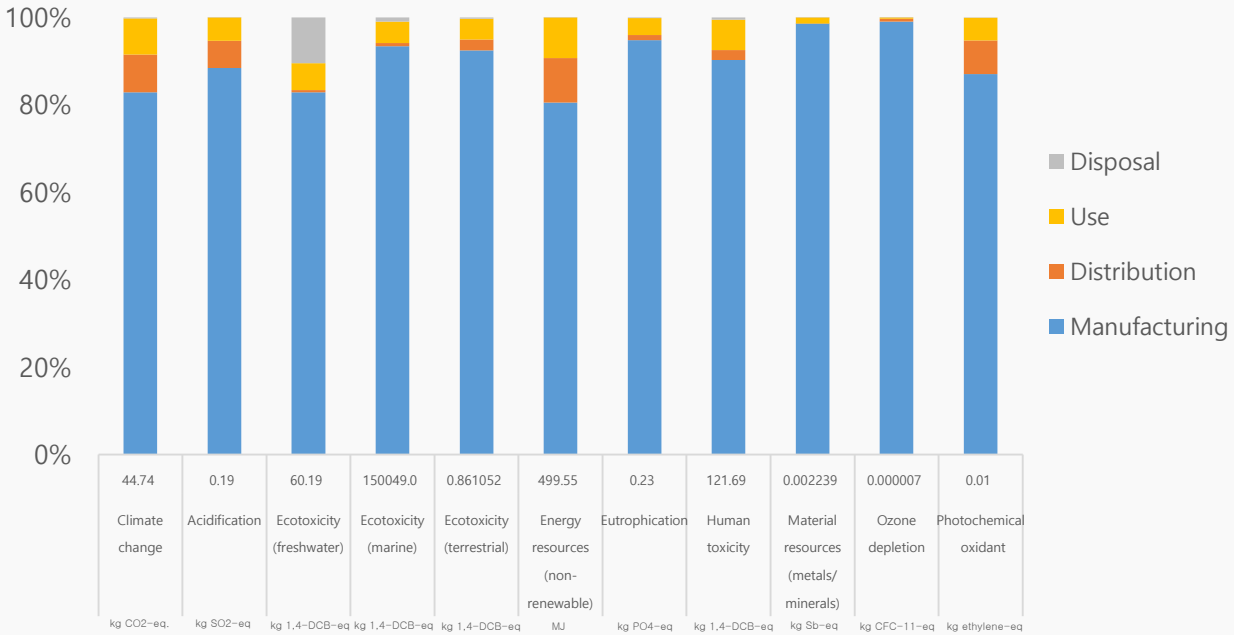
Product Features

Model name	SM-S937U (Galaxy S25 Edge)	
Dimension (mm)	158.2 x 75.6 x 5.8	
Display (mm)	169.1	
Weight (g)	Product & Acc.	187.47
	Packages	147.11

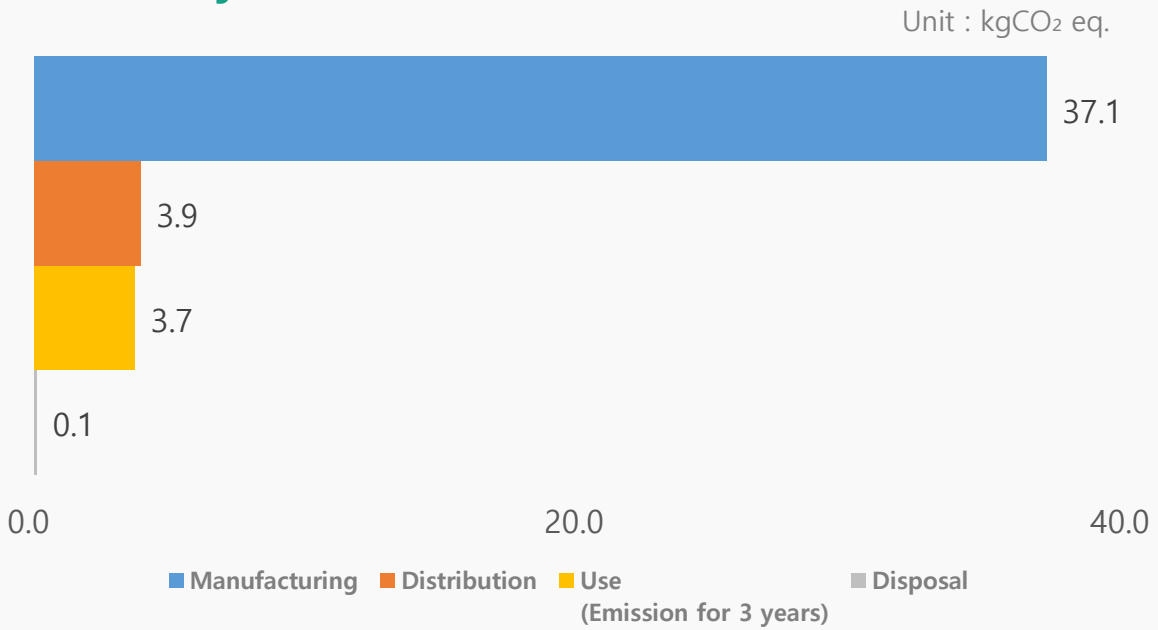
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S25 Edge(UK)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to UK
Use	3 years use
Disposal	Waste treatment of parts and material

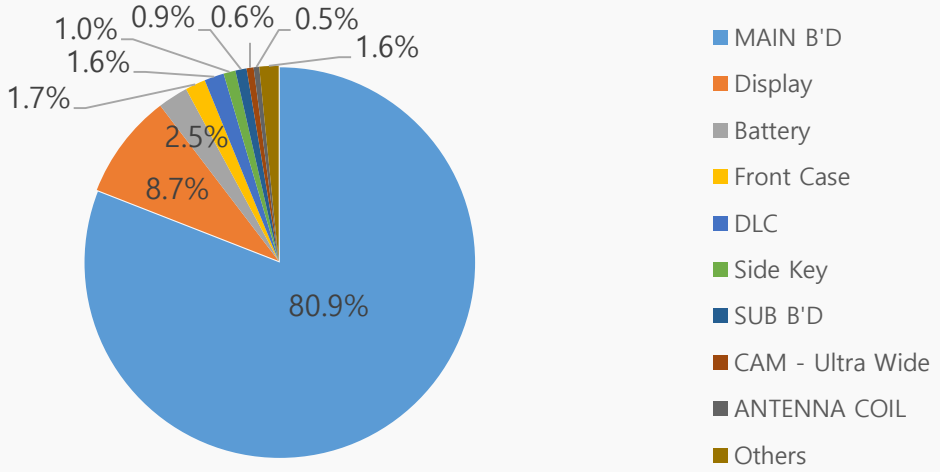
SDP* : Sustainability Data Platform

BOM** : Bill of Material

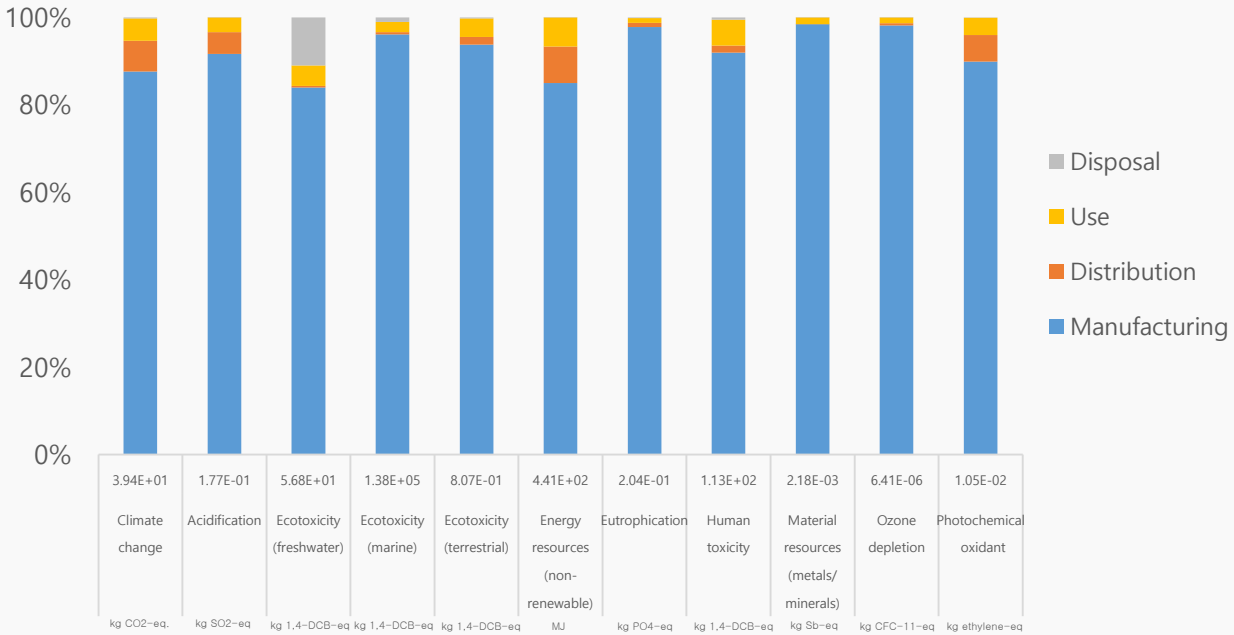
Product Features

Model name	SM-S937B (Galaxy S25 Edge)	
Dimension (mm)	158.2 x 75.6 x 5.8	
Display (mm)	169.1	
Weight (g)	Product & Acc.	183.99
	Packages	163.88

Global Warming Impact Profile

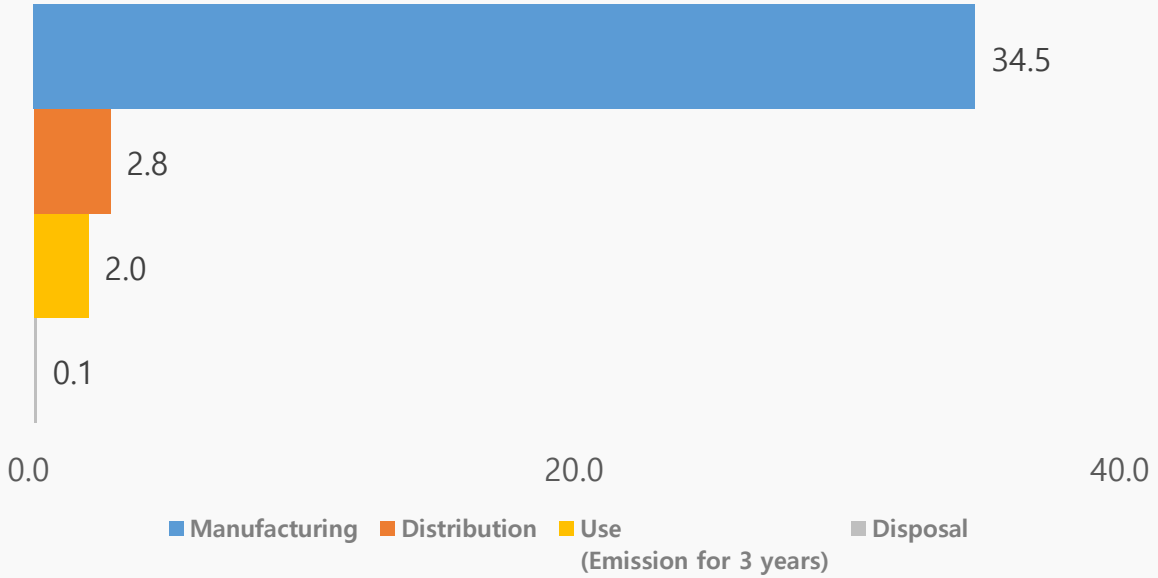


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy XCover7 Pro(US)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

SDP* : Sustainability Data Platform

BOM** : Bill of Material

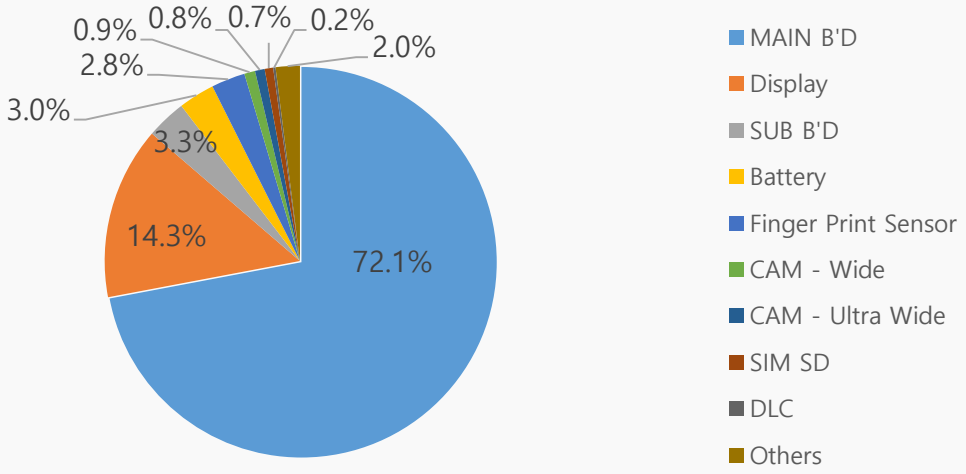
LCA Report Issuance Date : Jun. 12, 2025

Webpage Publication Date of Summary of LCA : Jun. 30, 2025

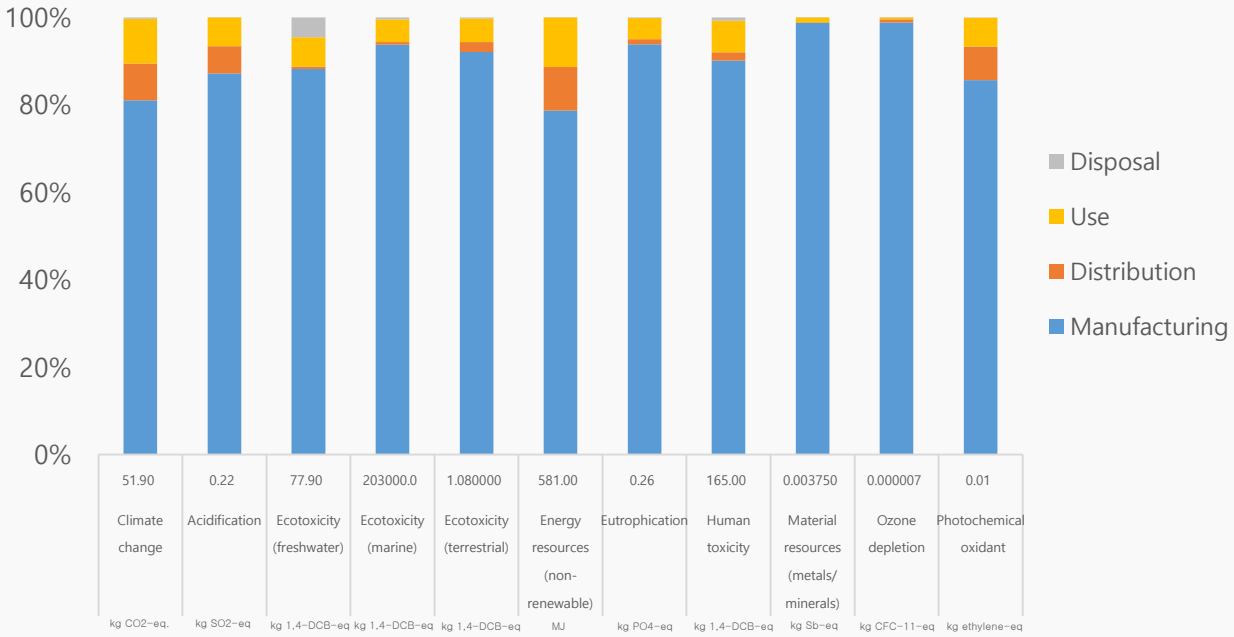
Product Features

Model name	SM-G766U (Galaxy XCover7 Pro)	
Dimension (mm)	168.6 x 79.9 x 10.2	
Display (mm)	167.2	
Weight (g)	Product & Acc.	259.93
	Packages	118.99

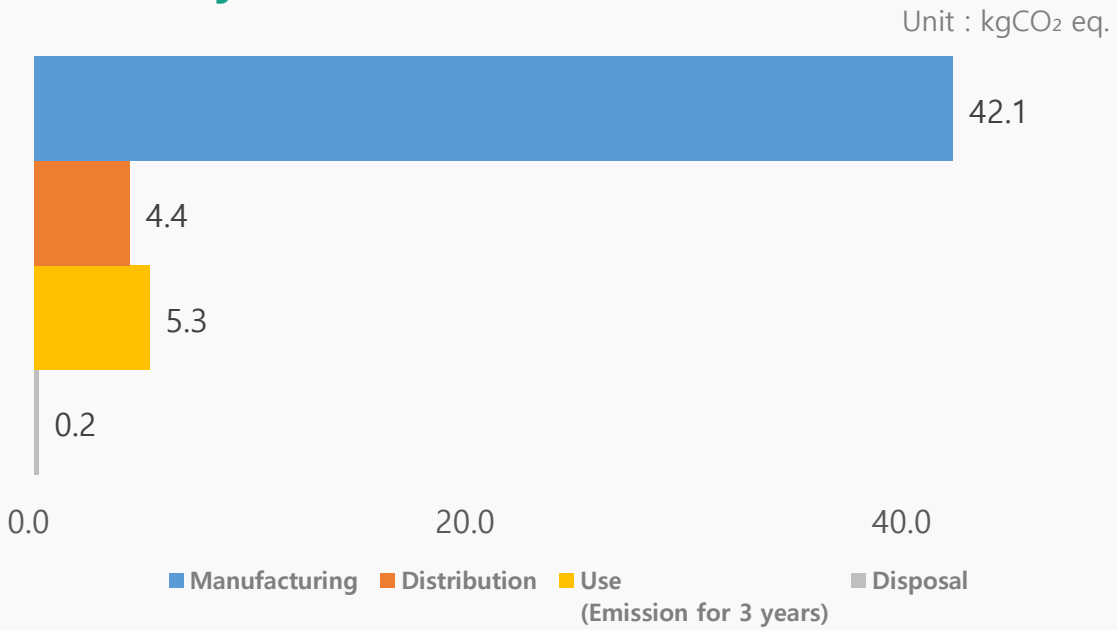
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy XCover7 Pro(UK)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to UK
Use	3 years use
Disposal	Waste treatment of parts and material

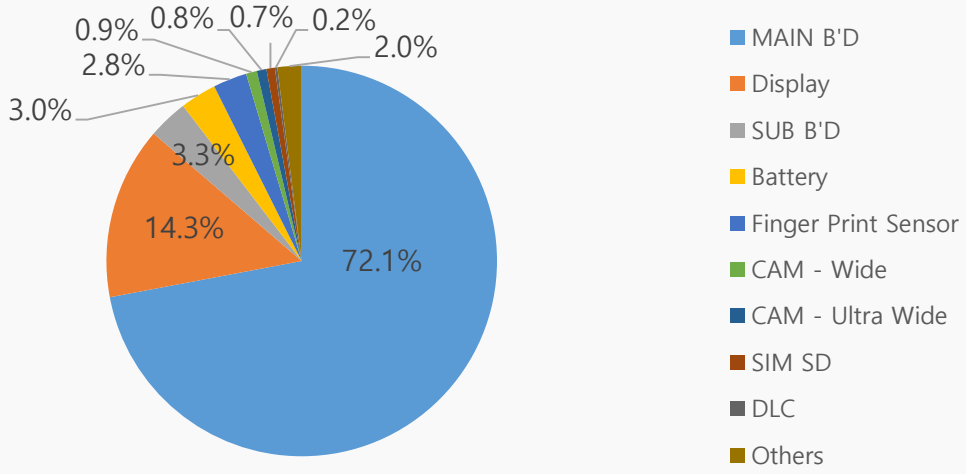
SDP* : Sustainability Data Platform

BOM** : Bill of Material

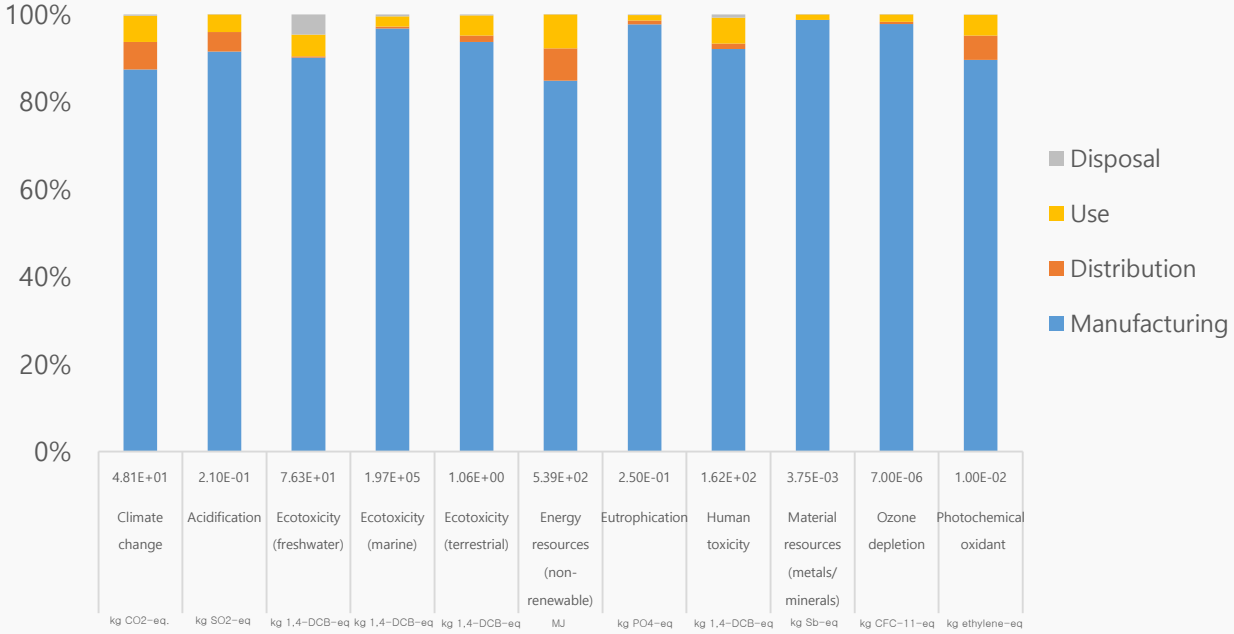
Product Features

Model name	SM-G766B (Galaxy XCover7 Pro)	
Dimension (mm)	168.6 x 79.9 x 10.2	
Display (mm)	167.2	
Weight (g)	Product & Acc.	259.93
	Packages	118.99

Global Warming Impact Profile

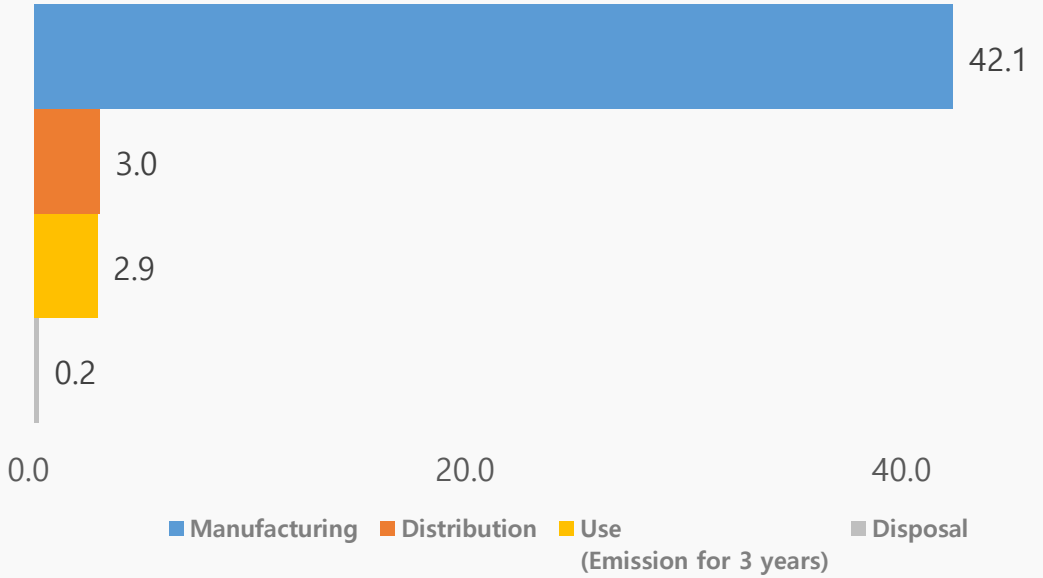


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A36 5G(US)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

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This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

SDP* : Sustainability Data Platform

BOM** : Bill of Material

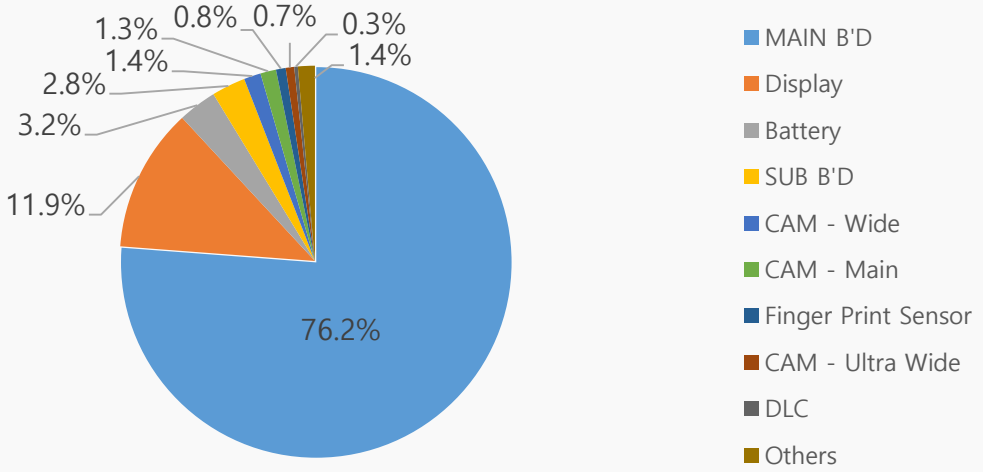
LCA Report Issuance Date : Apr. 02, 2025

Webpage Publication Date of Summary of LCA : Apr. 25, 2025

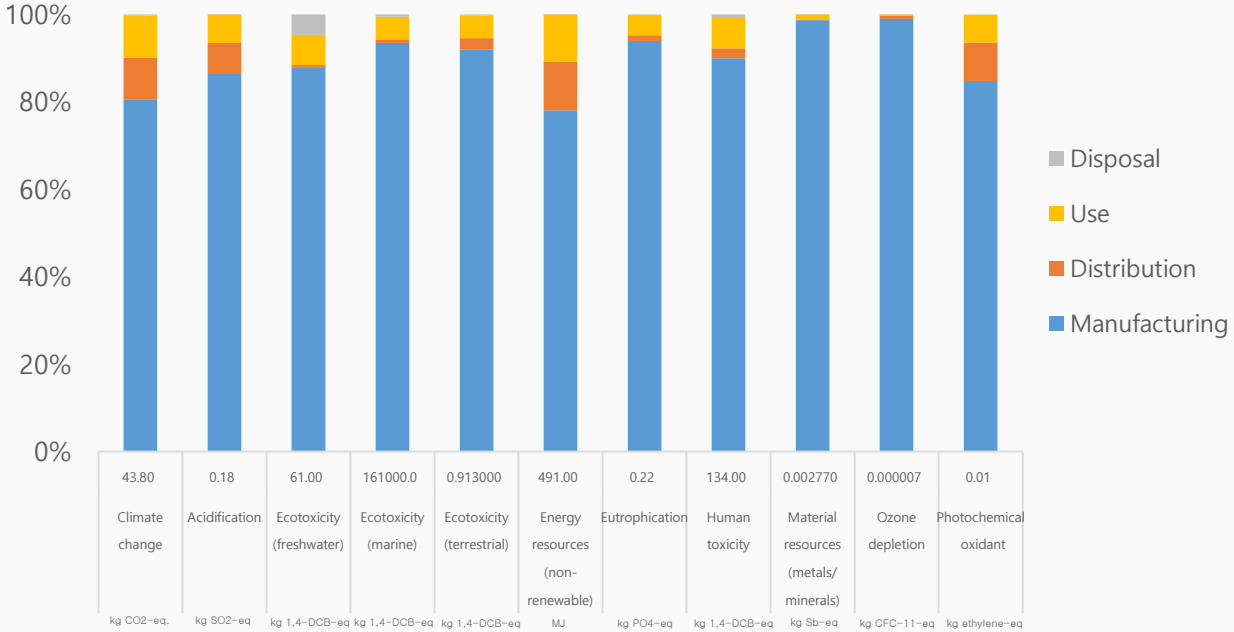
Product Features

Model name	SM-A366U (Galaxy A36 5G)	
Dimension (mm)	162.9 x 78.2 x 7.4	
Display (mm)	170.1	
Weight (g)	Product & Acc.	227.73
	Packages	120.81

Global Warming Impact Profile

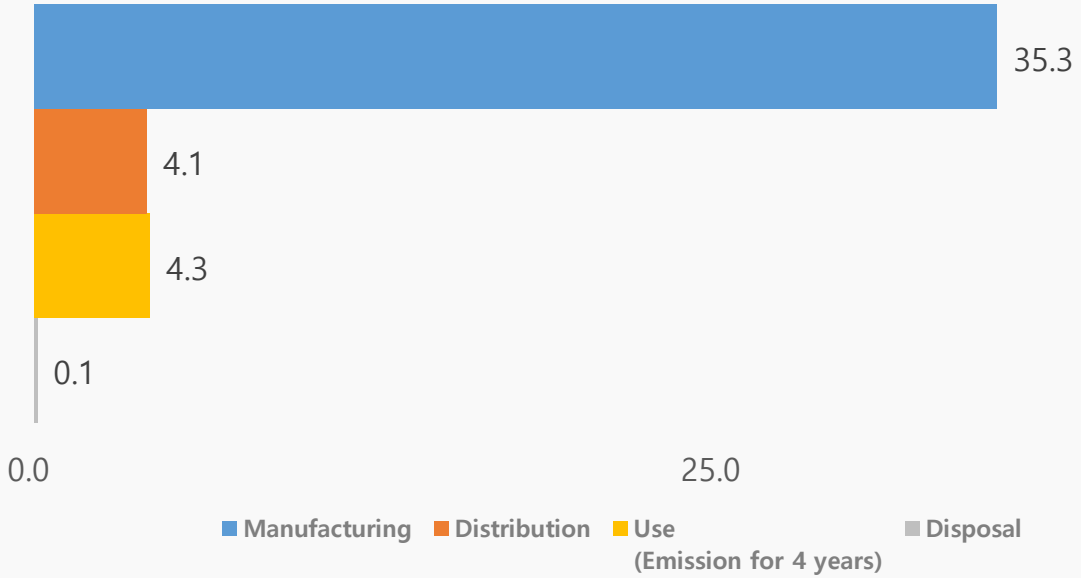


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A26 5G(EU)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

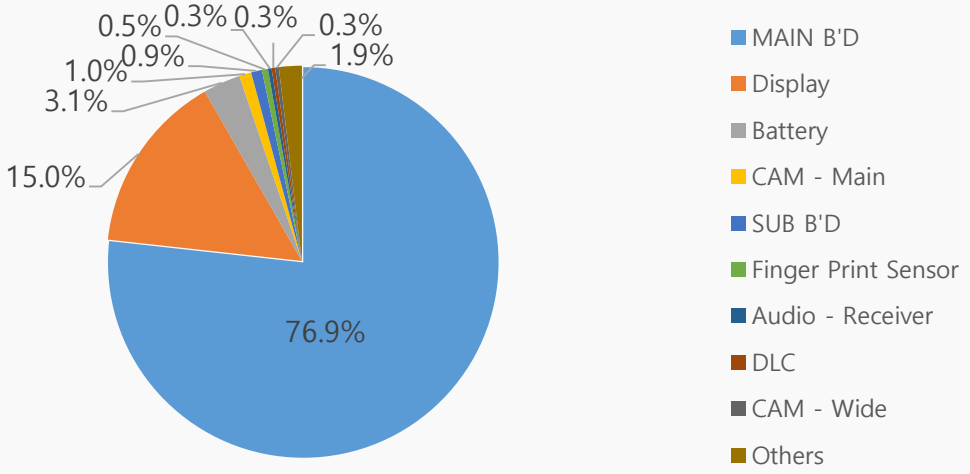
SDP* : Sustainability Data Platform

BOM** : Bill of Material

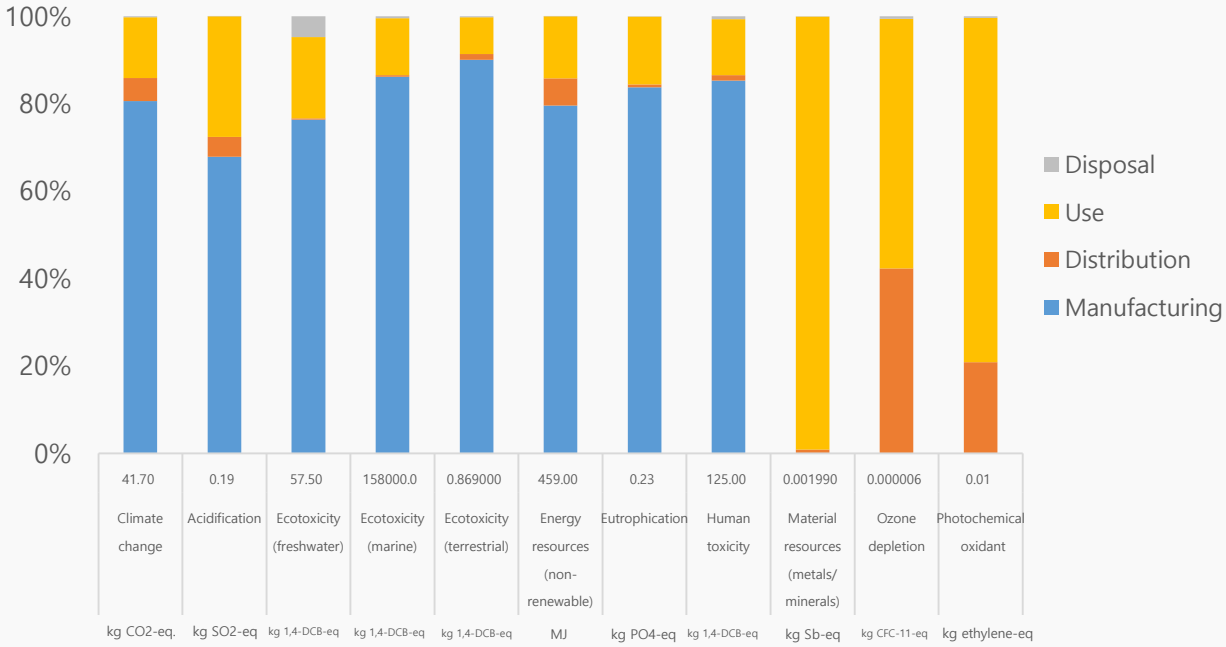
Product Features

Model name	SM-A266B (Galaxy A26 5G)	
Dimension (mm)	164.0 x 77.5 x 7.7	
Display (mm)	169.1	
Weight (g)	Product & Acc.	220.15
	Packages	77.74

Global Warming Impact Profile

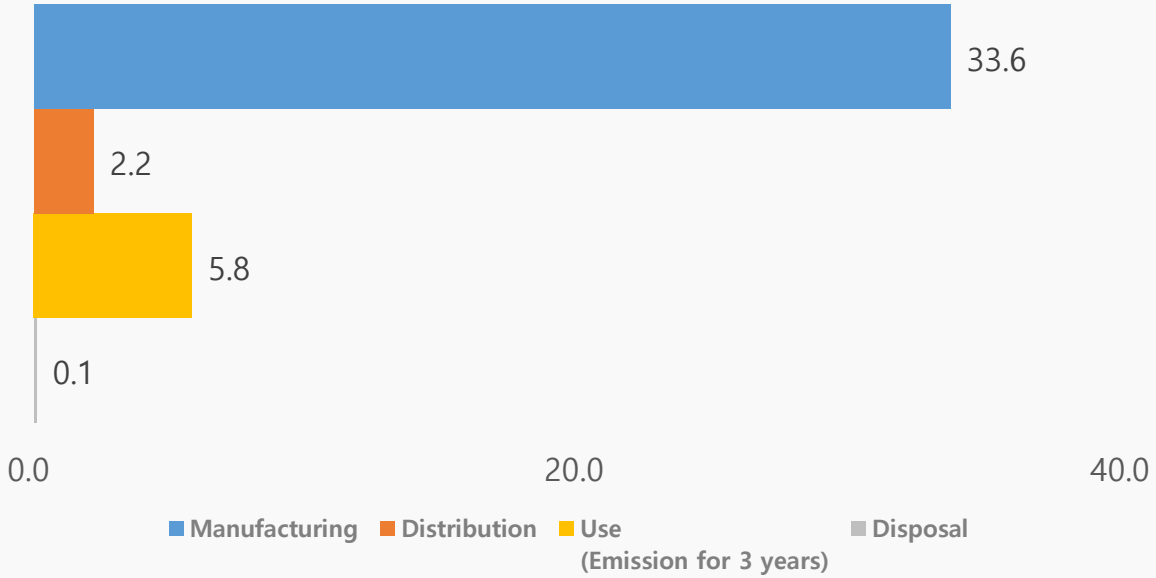


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A56 5G(EU)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

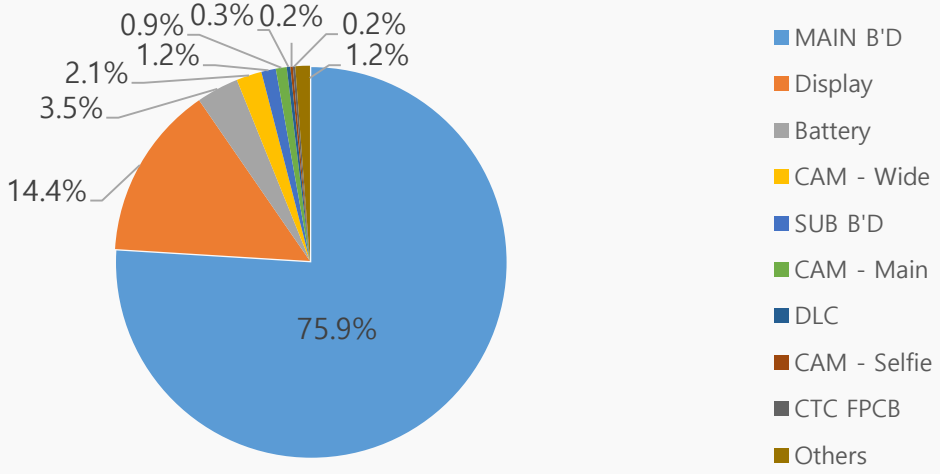
SDP* : Sustainability Data Platform

BOM** : Bill of Material

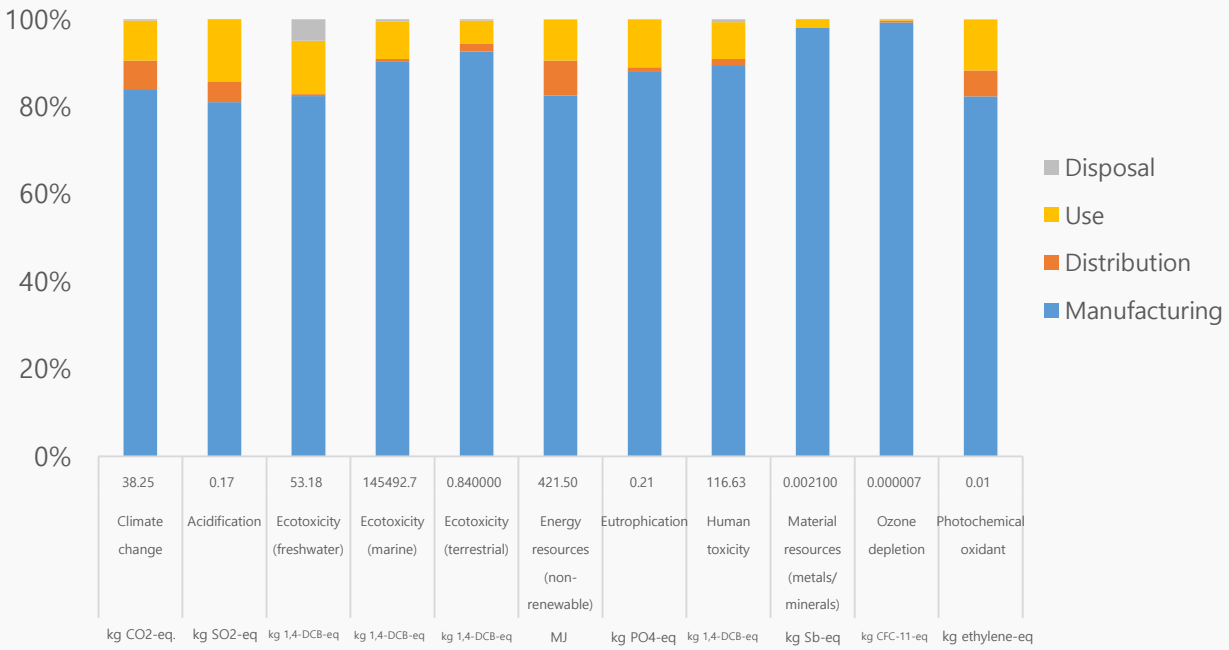
Product Features

Model name	SM-A566B (Galaxy A56 5G)	
Dimension (mm)	162.2 x 77.5 x 7.4	
Display (mm)	170.1	
Weight (g)	Product & Acc.	230.57
	Packages	119.80

Global Warming Impact Profile

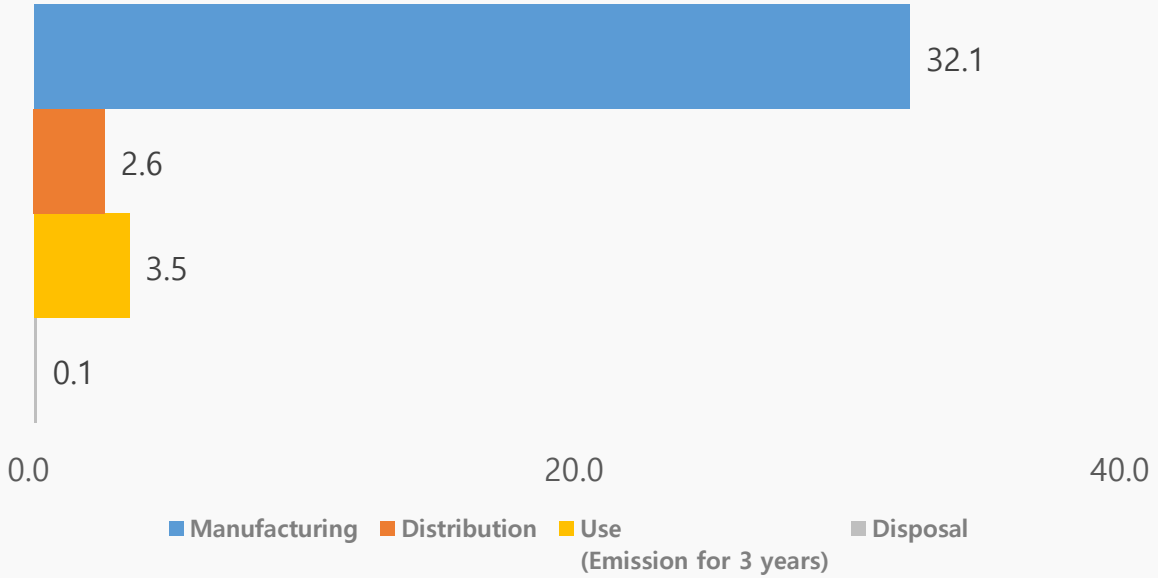


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A36 5G(EU)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

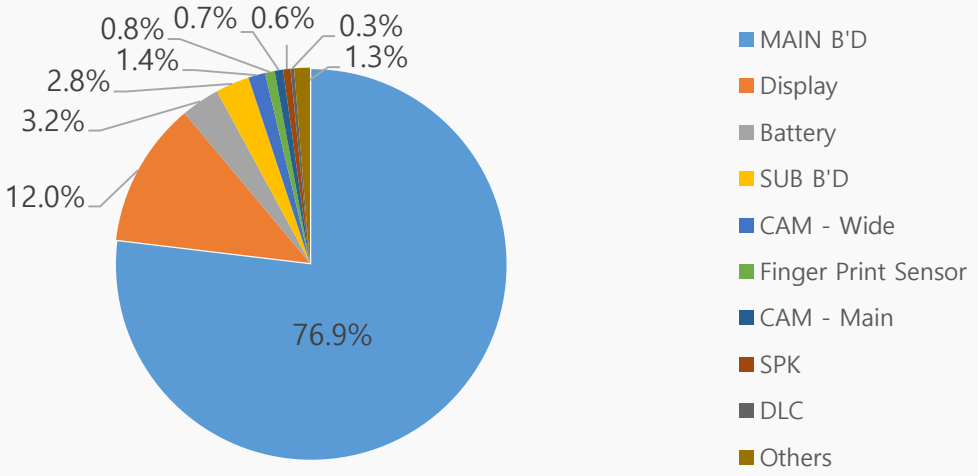
SDP* : Sustainability Data Platform

BOM** : Bill of Material

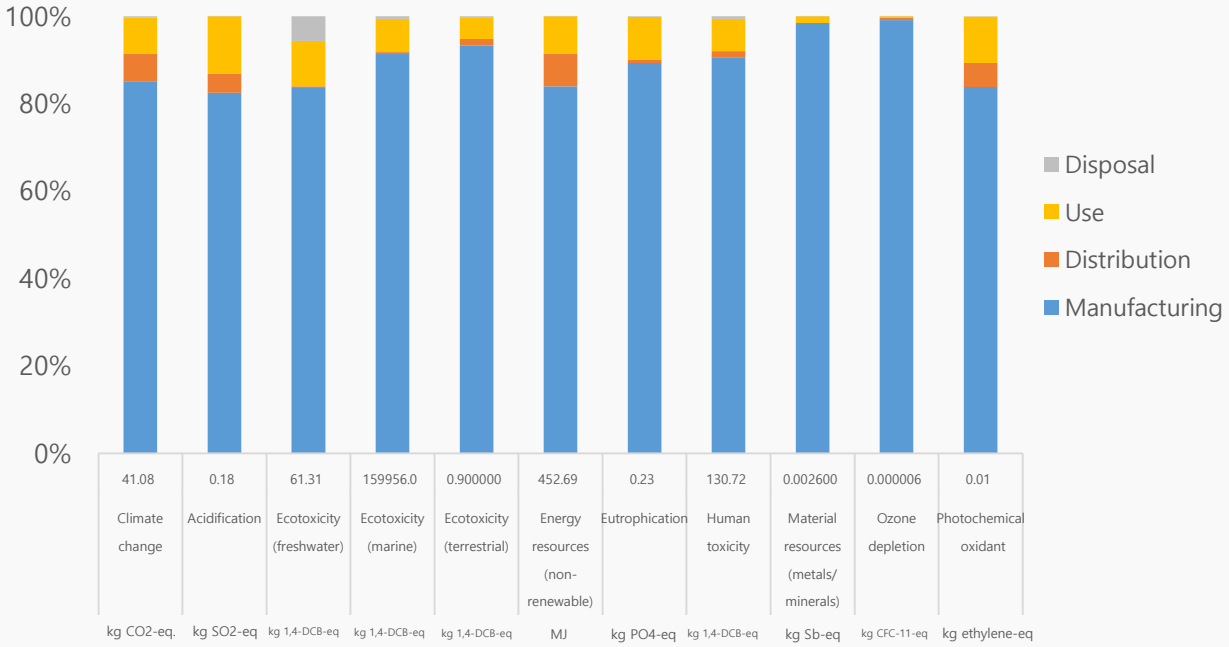
Product Features

Model name	SM-A366B (Galaxy A36 5G)	
Dimension (mm)	162.9 x 78.2 x 7.4	
Display (mm)	170.1	
Weight (g)	Product & Acc.	227.22
	Packages	121.32

Global Warming Impact Profile

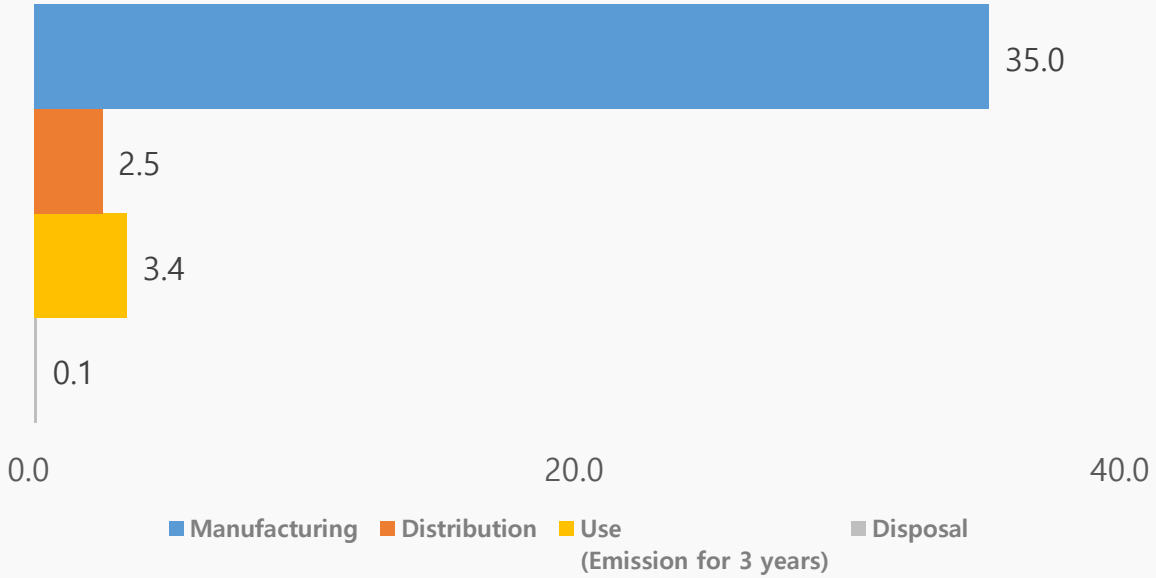


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S25 Ultra(EU)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

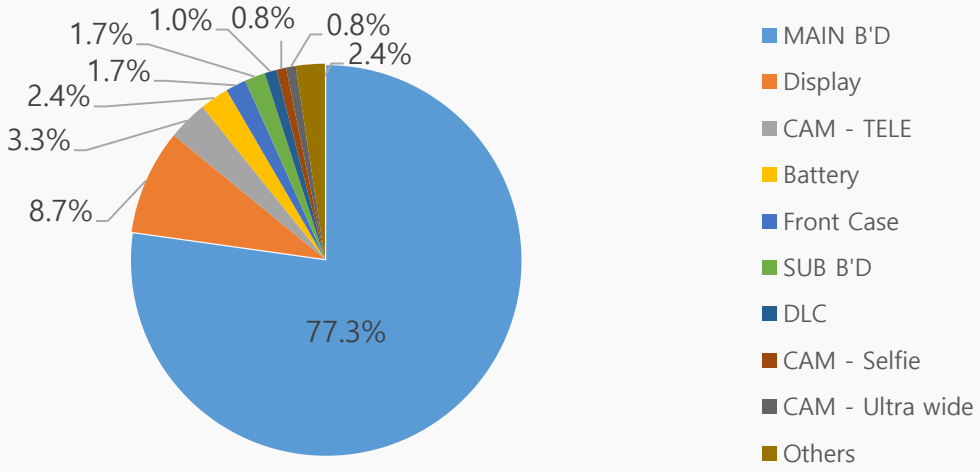
SDP* : Sustainability Data Platform

BOM** : Bill of Material

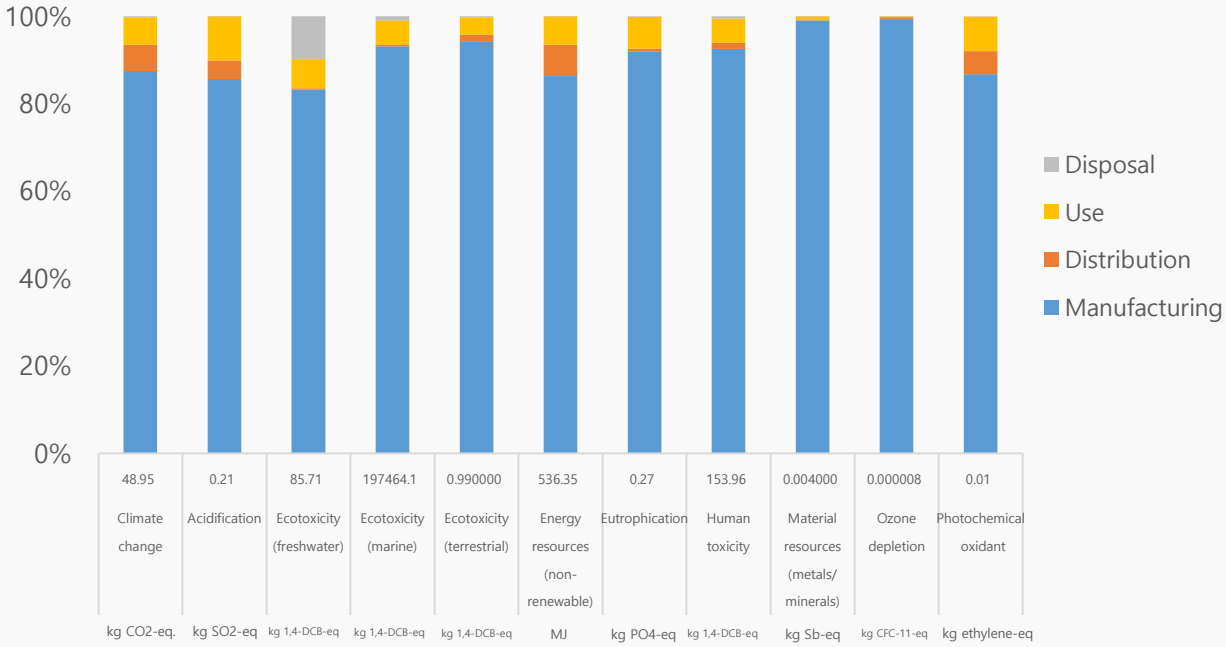
Product Features

Model name	SM-S938B (Galaxy S25 Ultra)	
Dimension (mm)	162.8 x 77.6 x 8.2	
Display (mm)	174.2	
Weight (g)	Product & Acc.	240.57
	Packages	158.99

Global Warming Impact Profile

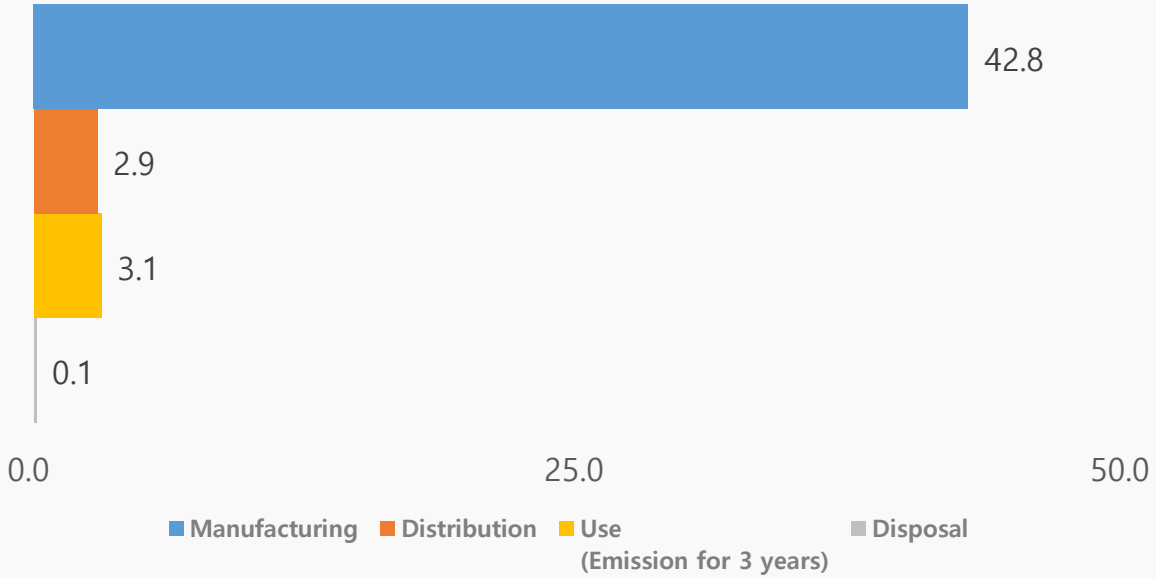


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S25 Ultra(US)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

SDP* : Sustainability Data Platform

BOM** : Bill of Material

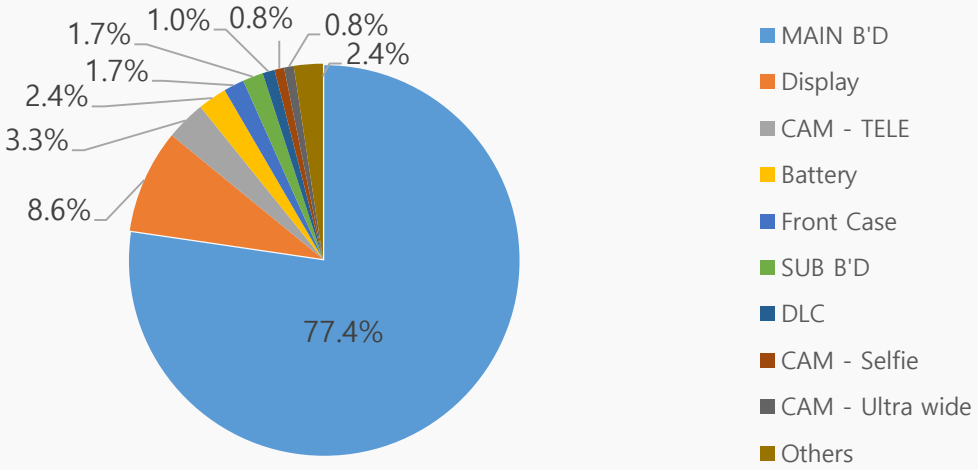
LCA Report Issuance Date : Jan. 22, 2025

Webpage Publication Date of Summary of LCA : Feb. 14, 2025

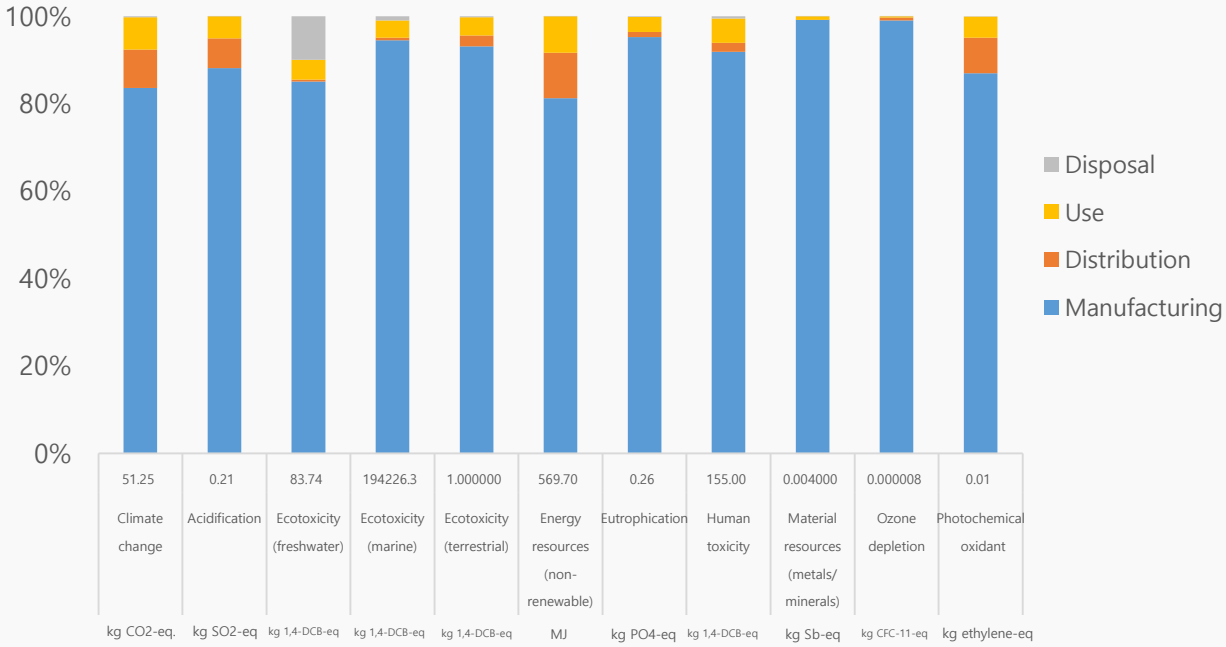
Product Features

Model name	SM-S938U (Galaxy S25 Ultra)	
Dimension (mm)	162.8 x 77.6 x 8.2	
Display (mm)	174.2	
Weight (g)	Product & Acc.	241.27
	Packages	147.49

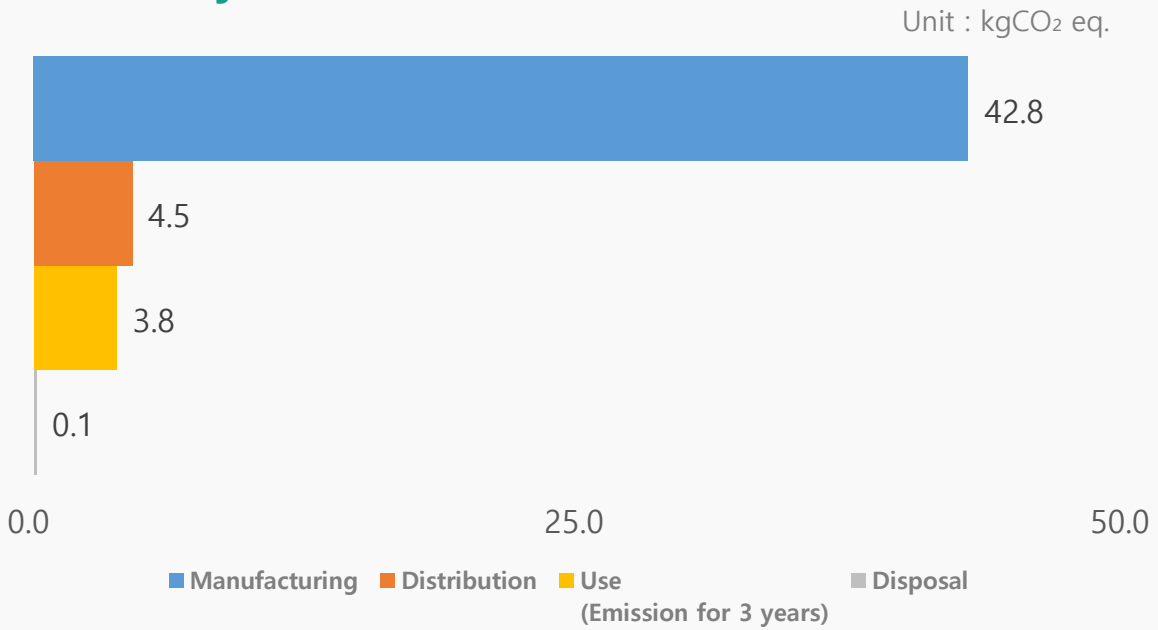
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S25+(EU)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

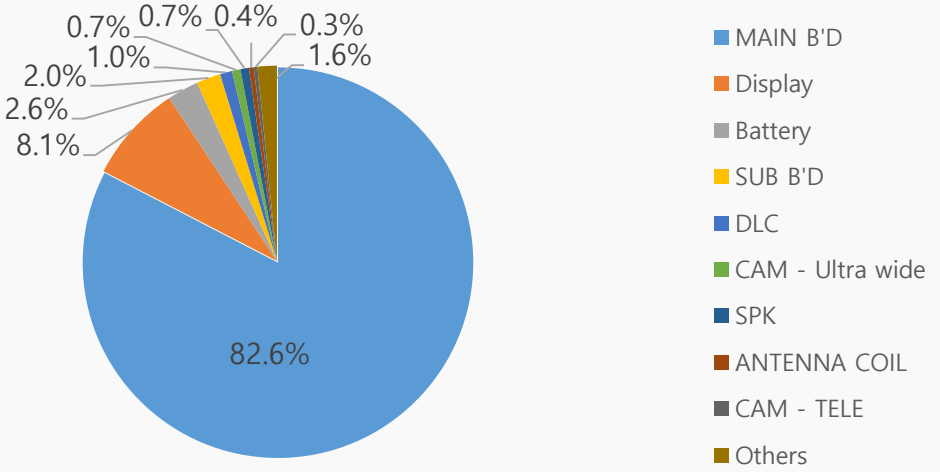
SDP* : Sustainability Data Platform

BOM** : Bill of Material

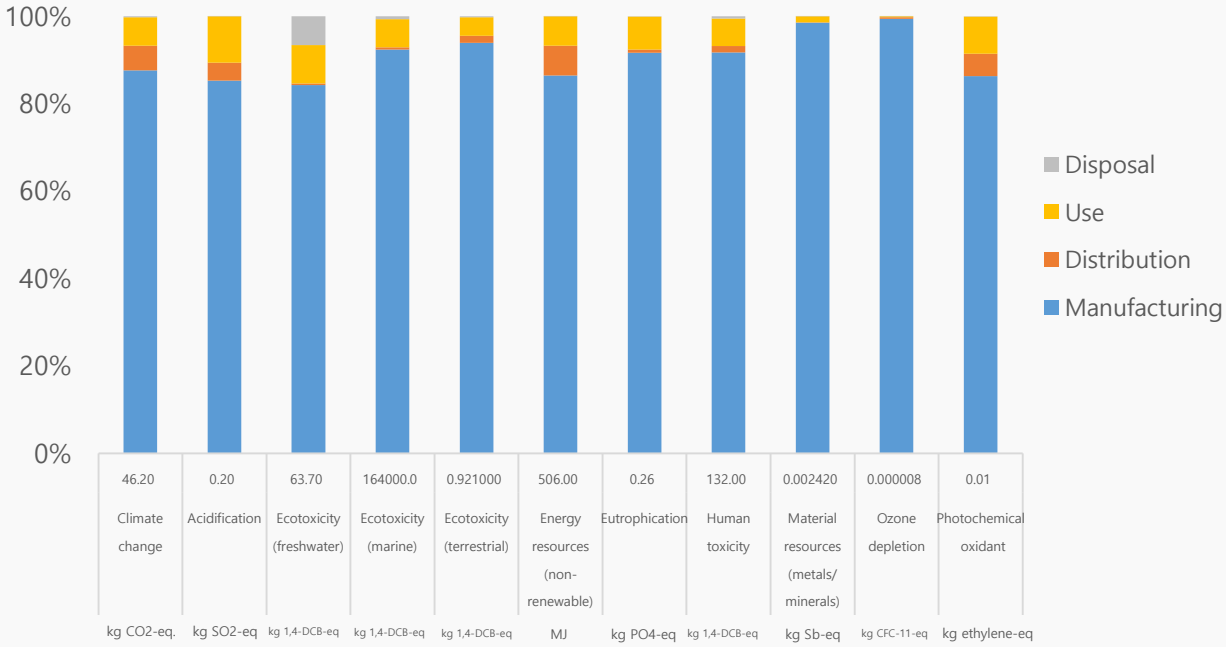
Product Features

Model name	SM-S936B (Galaxy S25+)	
Dimension (mm)	158.4 x 75.8 x 7.3	
Display (mm)	169.1	
Weight (g)	Product & Acc.	210.25
	Packages	145.97

Global Warming Impact Profile

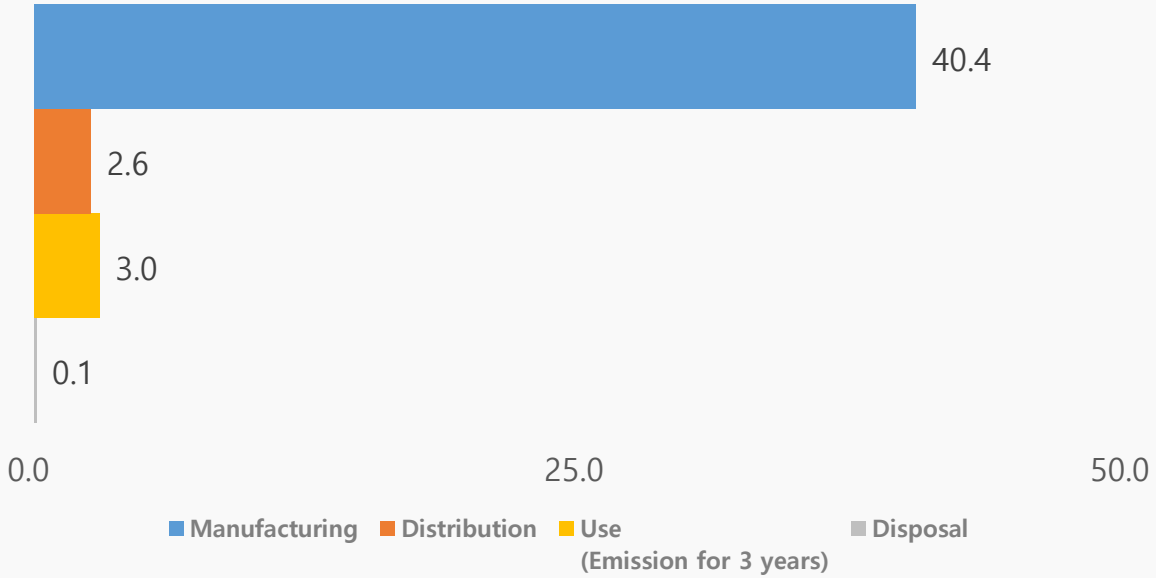


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S25+(US)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

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Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

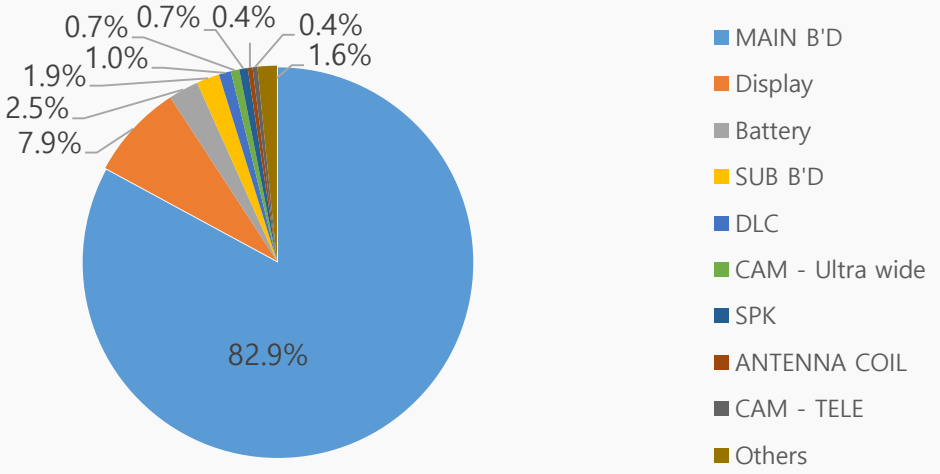
SDP* : Sustainability Data Platform

BOM** : Bill of Material

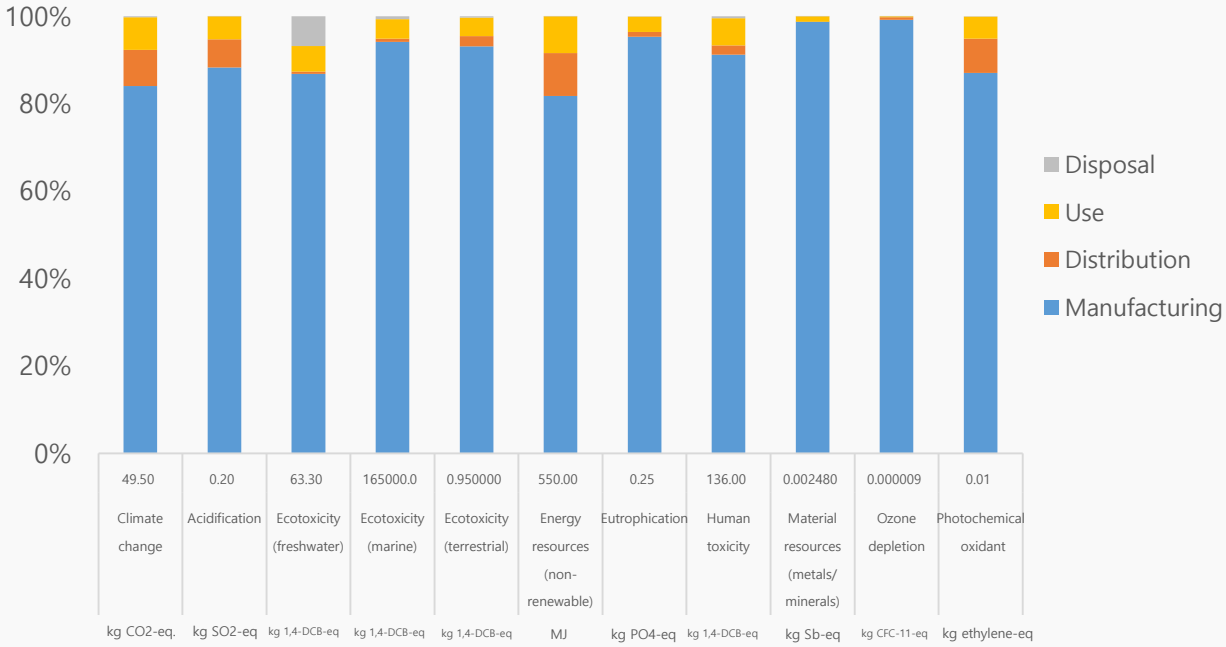
Product Features

Model name	SM-S936U (Galaxy S25+)	
Dimension (mm)	158.4 x 75.8 x 7.3	
Display (mm)	169.1	
Weight (g)	Product & Acc.	212.42
	Packages	140.7

Global Warming Impact Profile

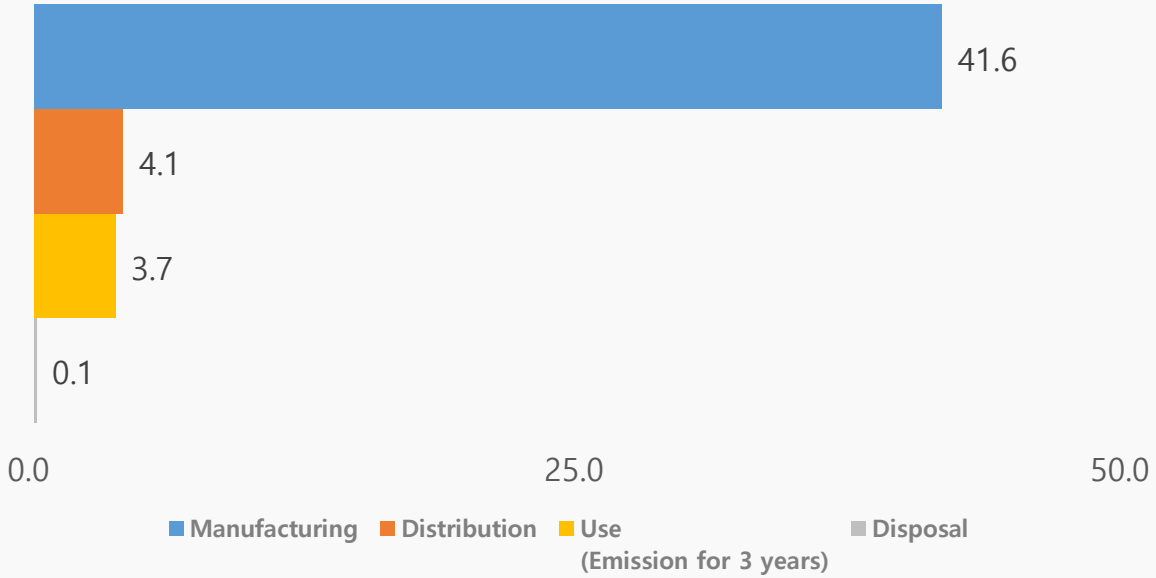


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S25(EU)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

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Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

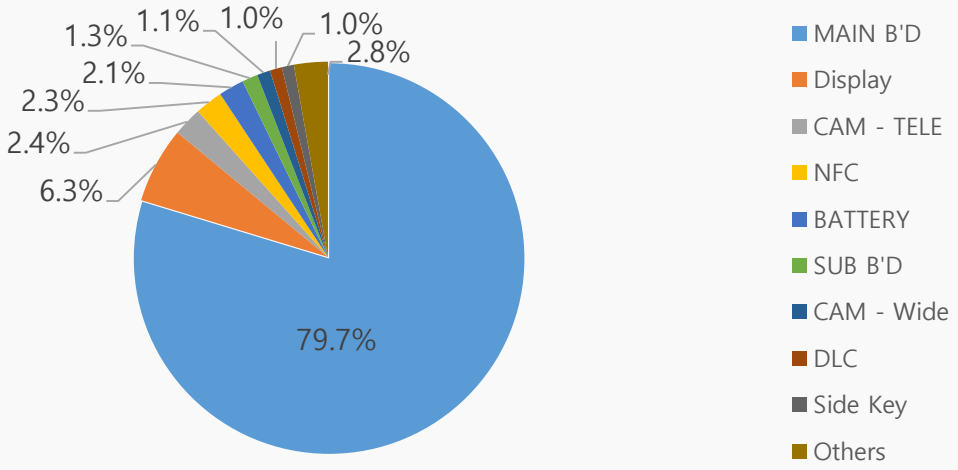
SDP* : Sustainability Data Platform

BOM** : Bill of Material

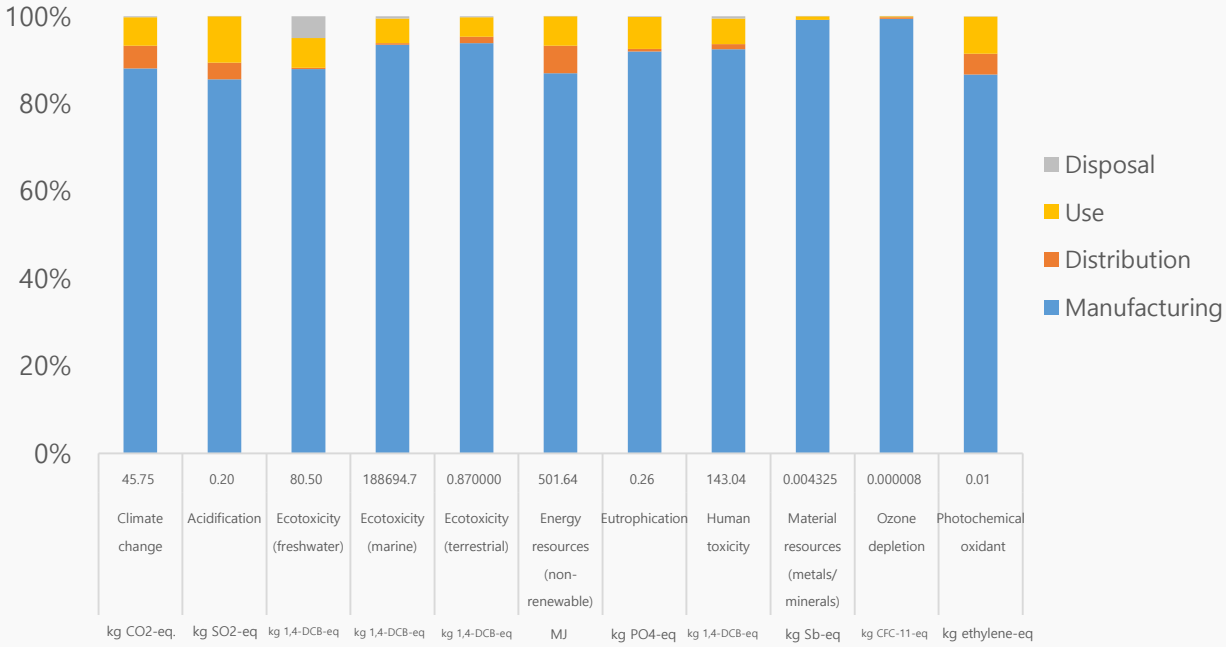
Product Features

Model name	SM-S931B (Galaxy S25)	
Dimension (mm)	146.9 x 70.5 x 7.2	
Display (mm)	156.4	
Weight (g)	Product & Acc.	188.68
	Packages	139.22

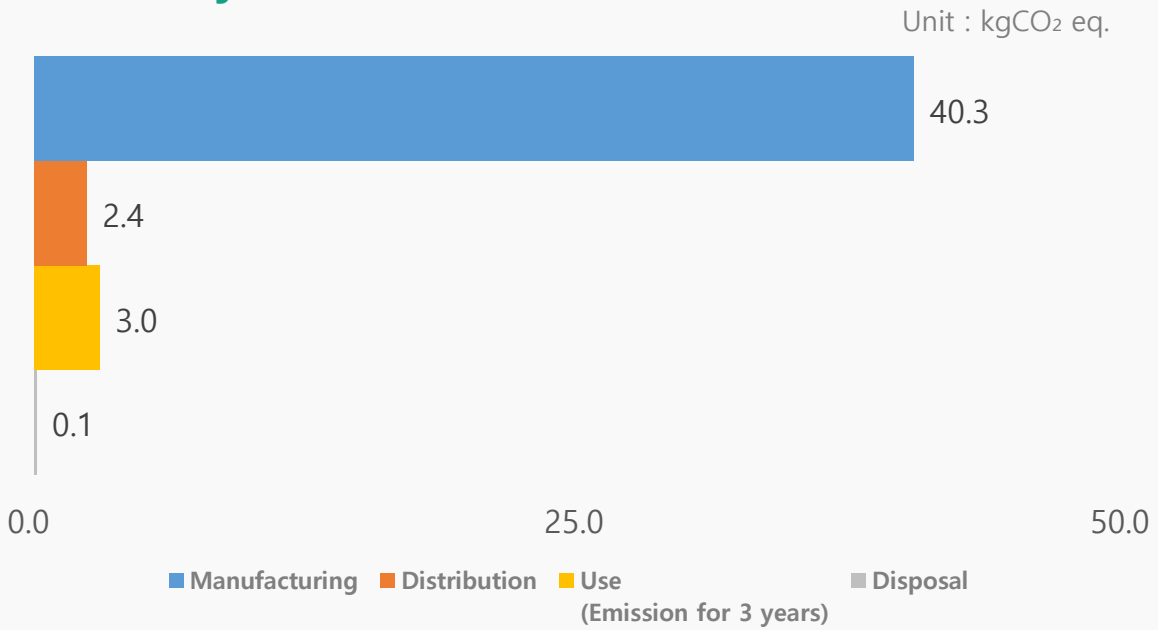
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S25(US)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

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Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

SDP* : Sustainability Data Platform

BOM** : Bill of Material

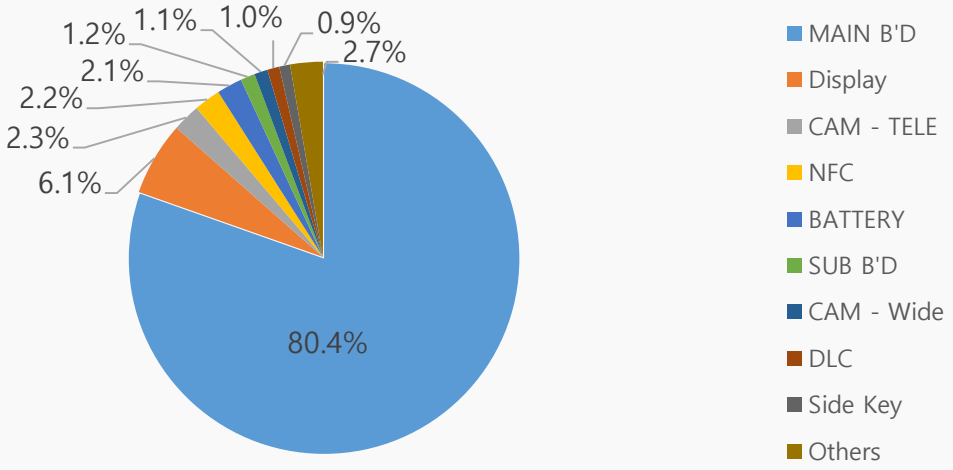
LCA Report Issuance Date : Jan. 22, 2025

Webpage Publication Date of Summary of LCA : Feb. 14, 2025

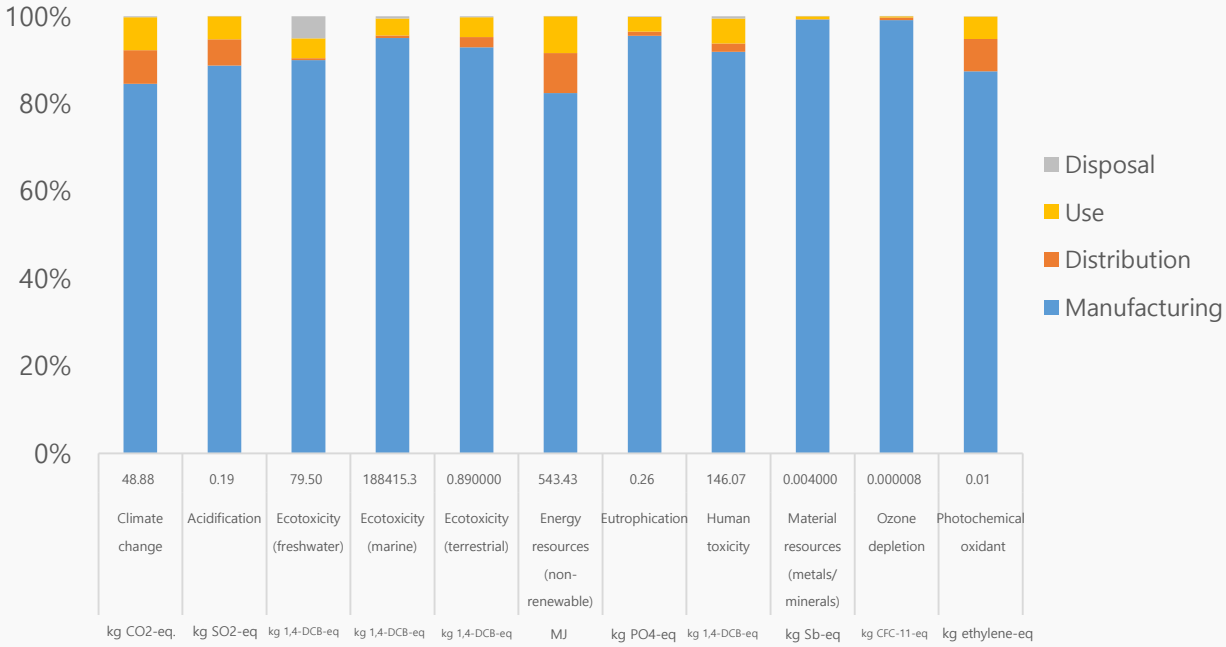
Product Features

Model name	SM-S931U (Galaxy S25)	
Dimension (mm)	146.9 x 70.5 x 7.2	
Display (mm)	156.4	
Weight (g)	Product & Acc.	188.48
	Packages	128.12

Global Warming Impact Profile

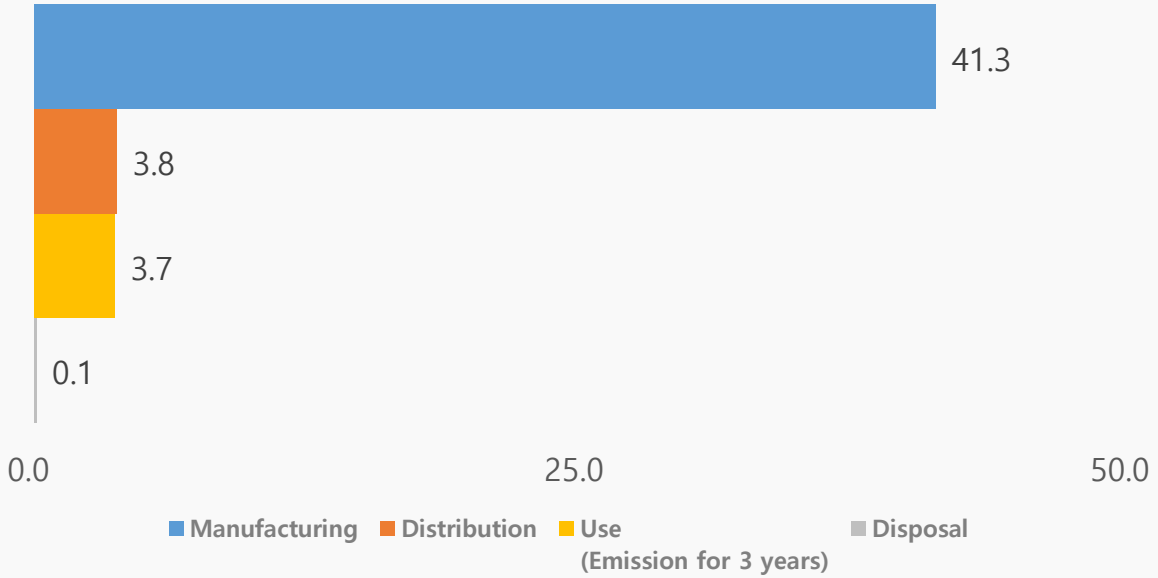


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy Z Fold Special Edition (KR)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Korea to Korea
Use	3 years use
Disposal	Waste treatment of parts and material

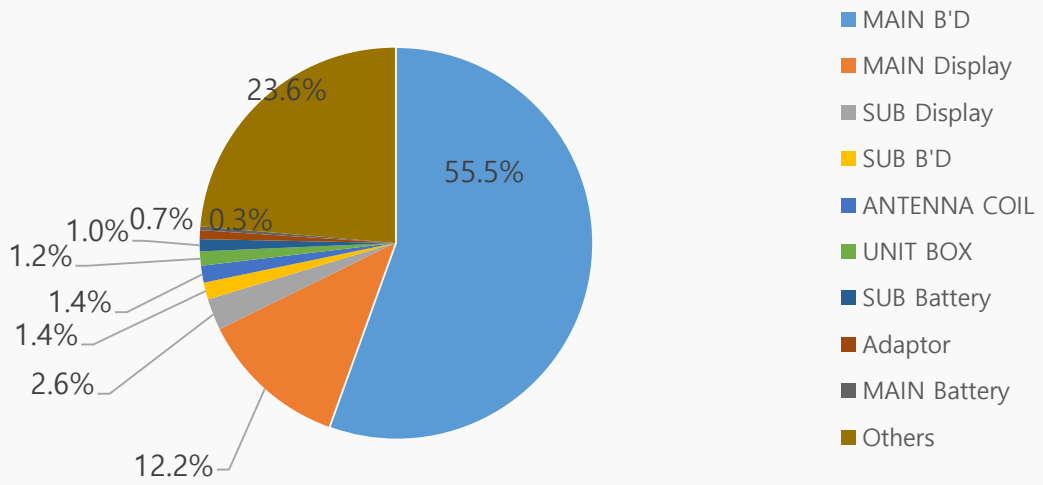
SDP* : Sustainability Data Platform

BOM** : Bill of Material

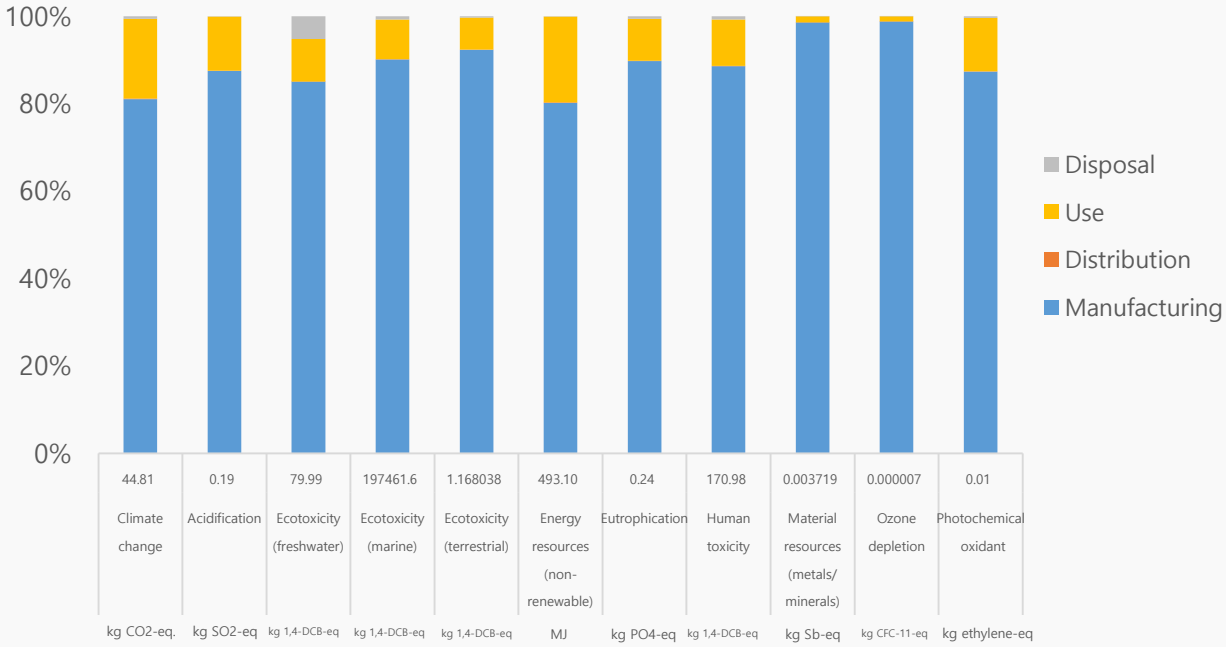
Product Features

Model name	SM-F958N (Galaxy Z Fold Special Edition)	
Dimension (mm)	157.9 x 142.6 x 4.9	
Display (mm)	203.1	
Weight (g)	Product & Acc.	351.90
	Packages	843.10

Global Warming Impact Profile

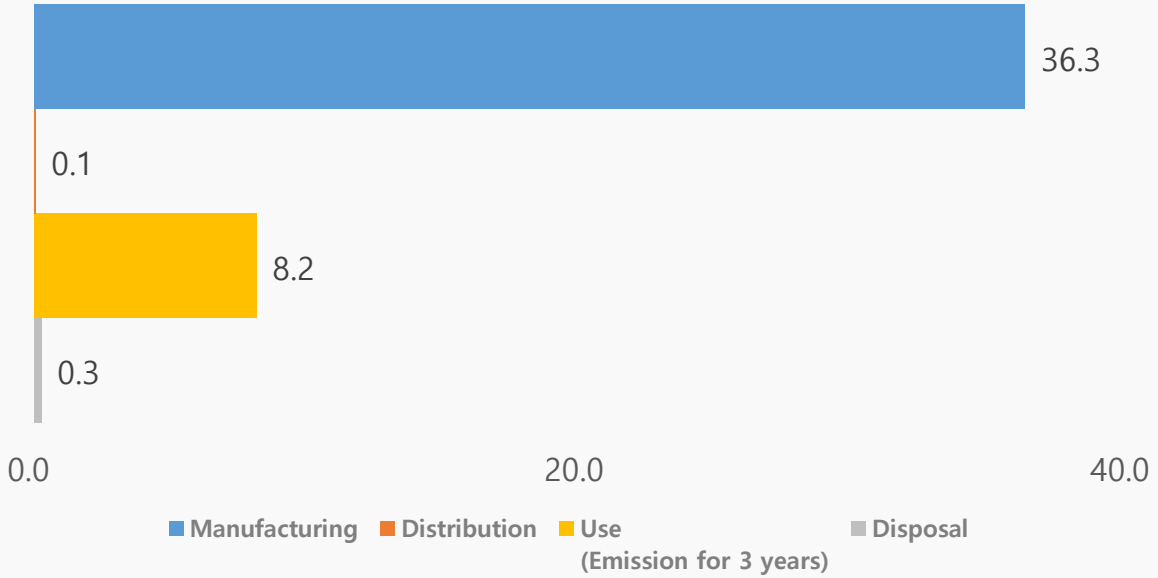


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A16 (EU)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

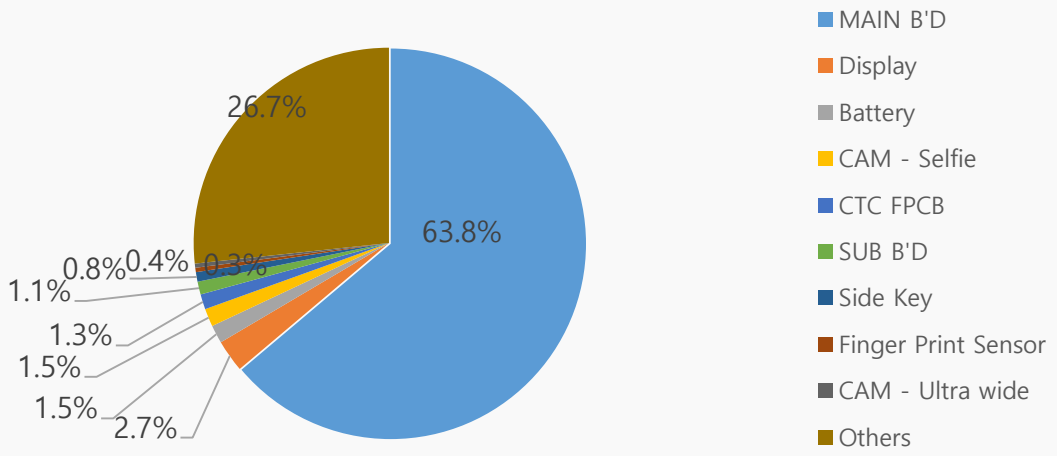
SDP* : Sustainability Data Platform

BOM** : Bill of Material

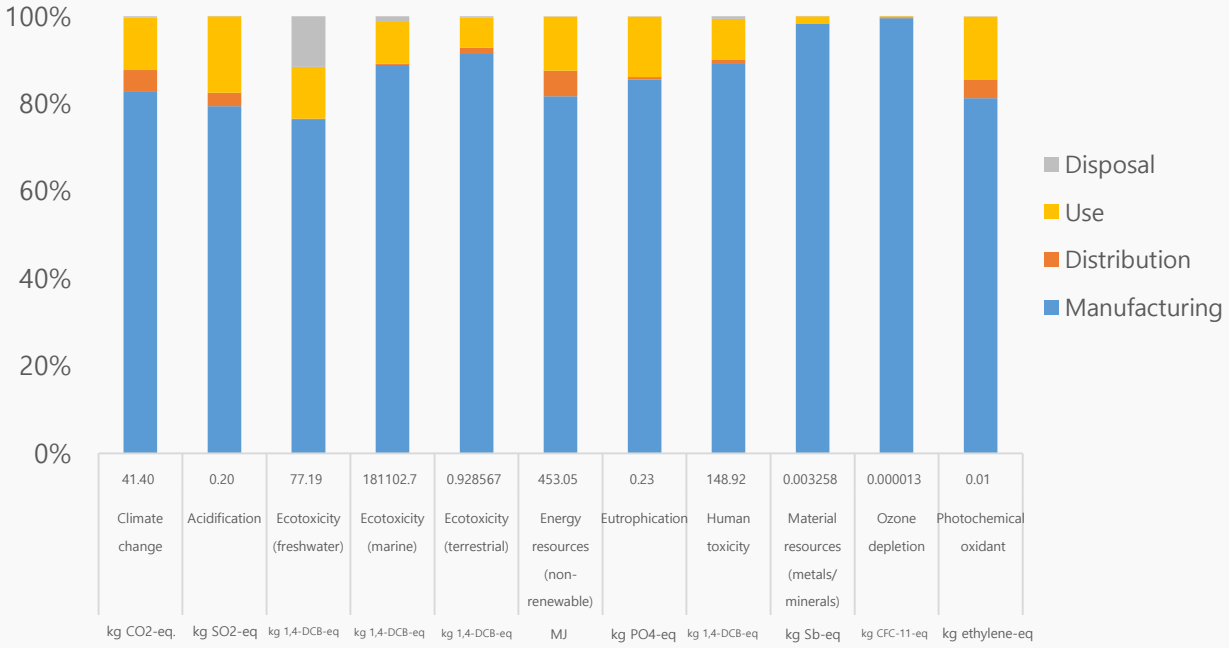
Product Features

Model name	SM-A165F (Galaxy A16)	
Dimension (mm)	164.4 x 77.9 x 7.9	
Display (mm)	169.1	
Weight (g)	Product & Acc.	216.55
	Packages	59.01

Global Warming Impact Profile

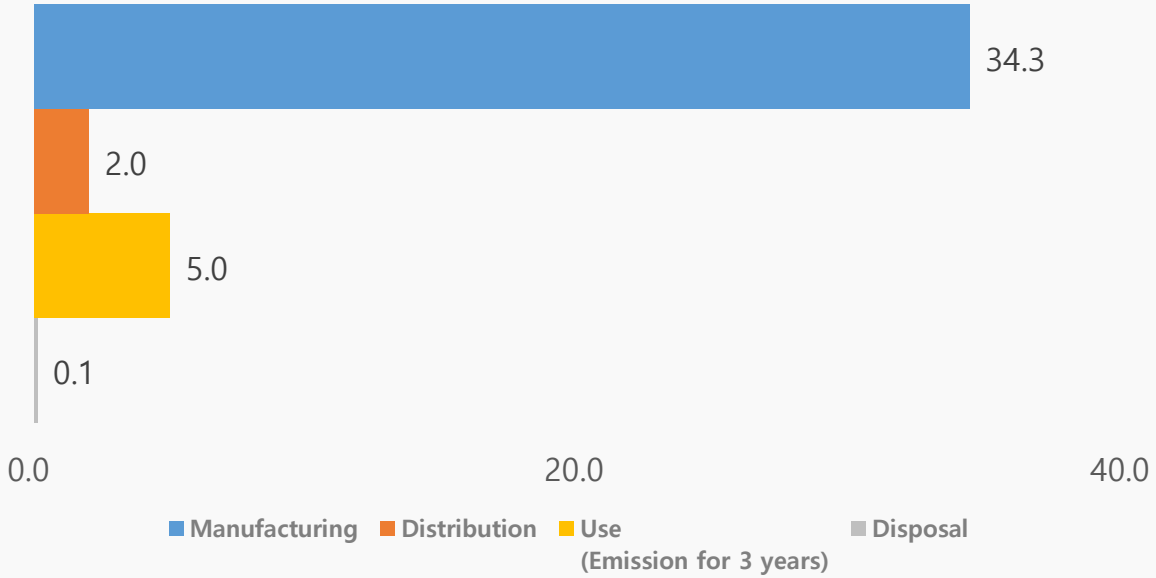


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A16 5G (EU)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

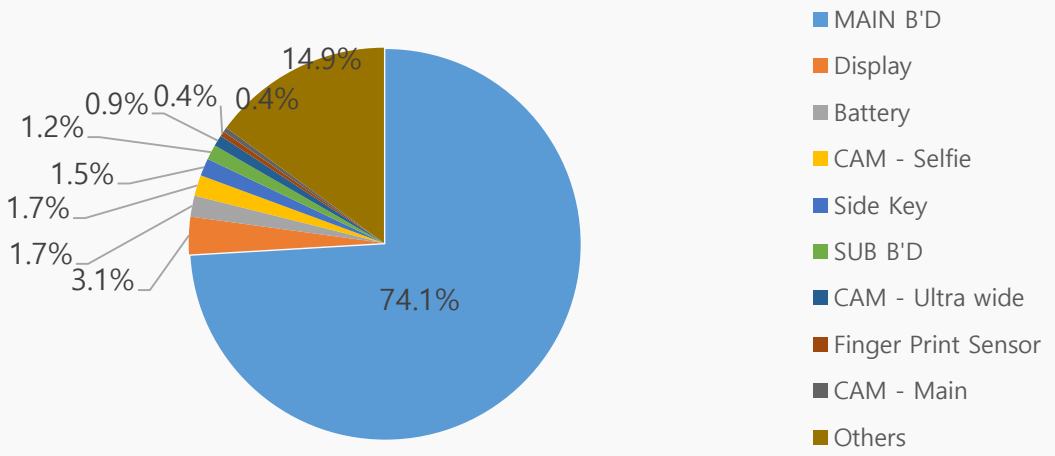
SDP* : Sustainability Data Platform

BOM** : Bill of Material

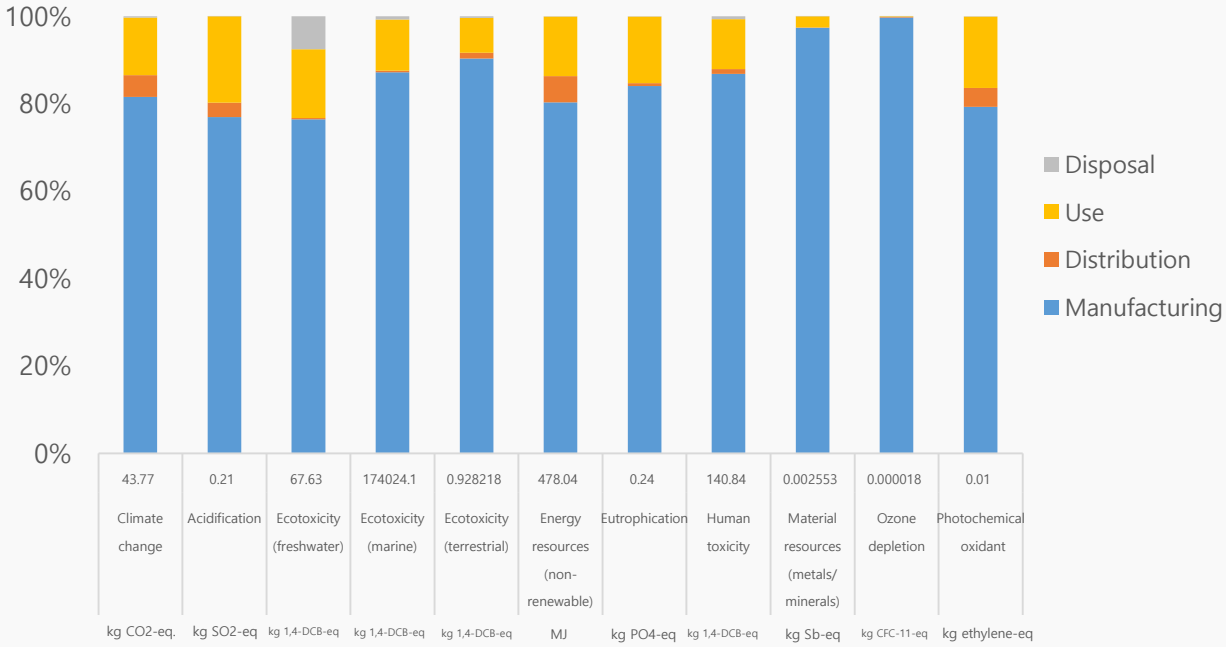
Product Features

Model name	SM-A166B (Galaxy A16 5G)	
Dimension (mm)	164.4 x 77.9 x 7.9	
Display (mm)	169.1	
Weight (g)	Product & Acc.	223.13
	Packages	71.52

Global Warming Impact Profile

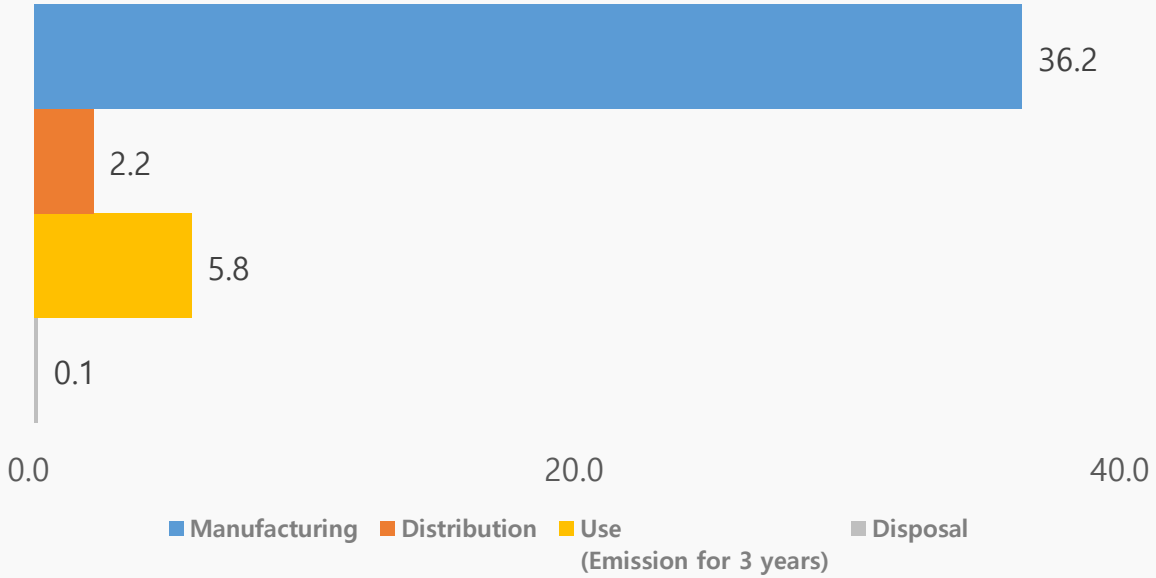


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A16 5G (US)

Background

Samsung has developed the technical expertise to analyze and evaluate the environmental impact of its products. Based on international standards such as ISO14040 and ISO14044, Samsung has implemented the SDP*. This evaluation considers the entire product lifecycle, including manufacturing, distribution, usage, and disposal. The SDP analyzes various data categories, including the materials and weight of product BOM**, inputs/outputs in manufacturing processes, distribution routes, energy consumption during product usage, and disposal scenarios to precisely measure environmental impacts.

The LCA results identified and quantified 11 environmental impact categories, including climate change, acidification, ecotoxicity, and ozone depletion. Each category was evaluated for every lifecycle stage. These results will be utilized to improve product environmental specifications and inform product development.

This verification includes implementation methods, related procedures, and requirements for LCA, but does not ensure the reliability of the data used for the product model or the resulting outcomes. Considering these uncertainties, this report will be continuously updated and improved.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML v4.8 (Climate Change:IPCC)
LCA software	SDP(Sustainability Data Platform)

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

SDP* : Sustainability Data Platform

BOM** : Bill of Material

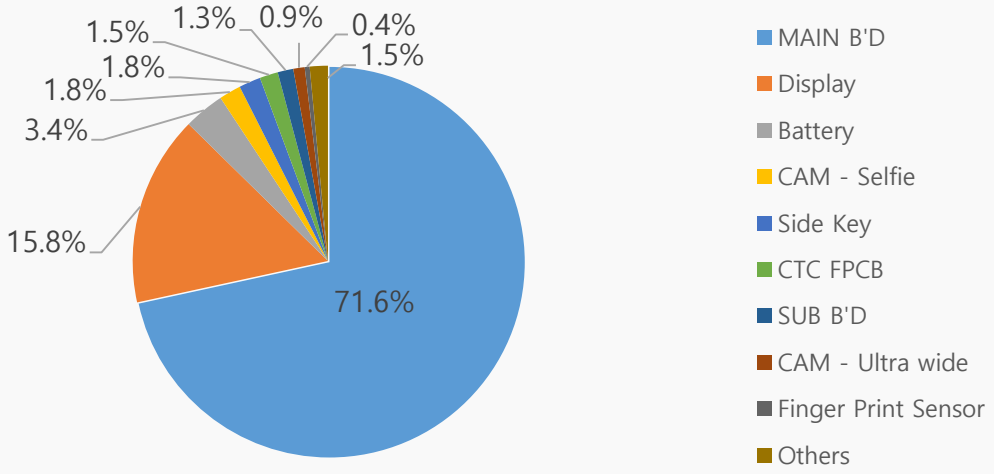
LCA Report Issuance Date : Feb. 03, 2025

Webpage Publication Date of Summary of LCA : Feb. 14, 2025

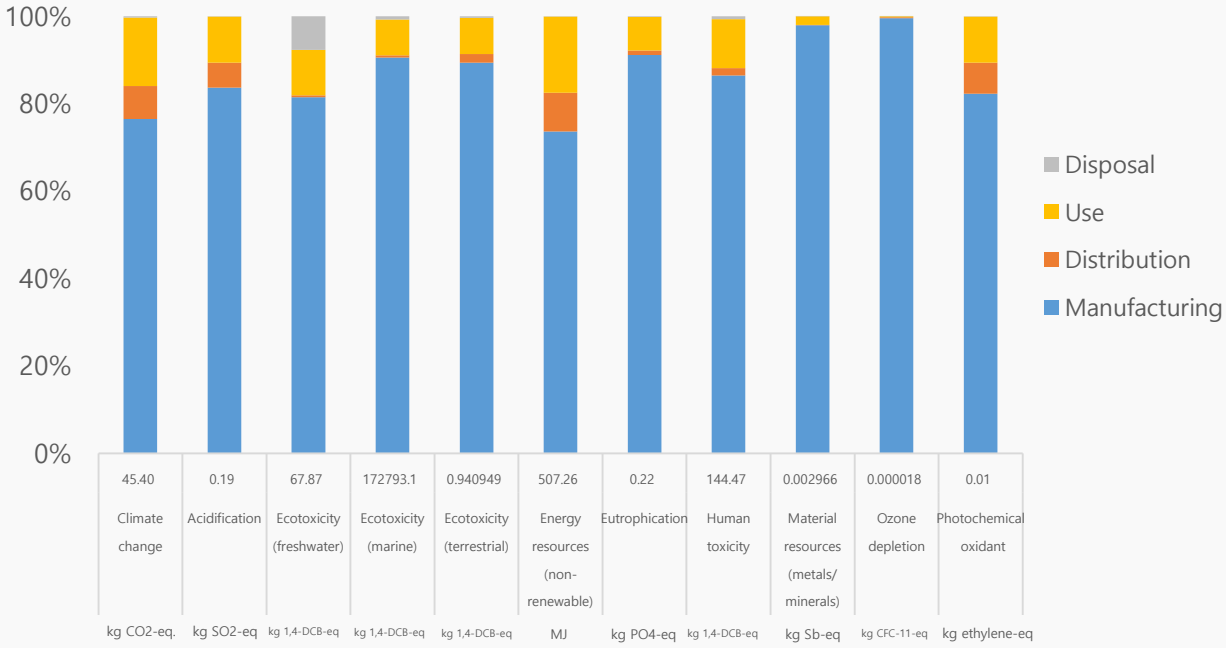
Product Features

Model name	SM-A166U (Galaxy A16 5G)	
Dimension (mm)	164.4 x 77.9 x 7.9	
Display (mm)	169.1	
Weight (g)	Product & Acc.	223.13
	Packages	71.52

Global Warming Impact Profile

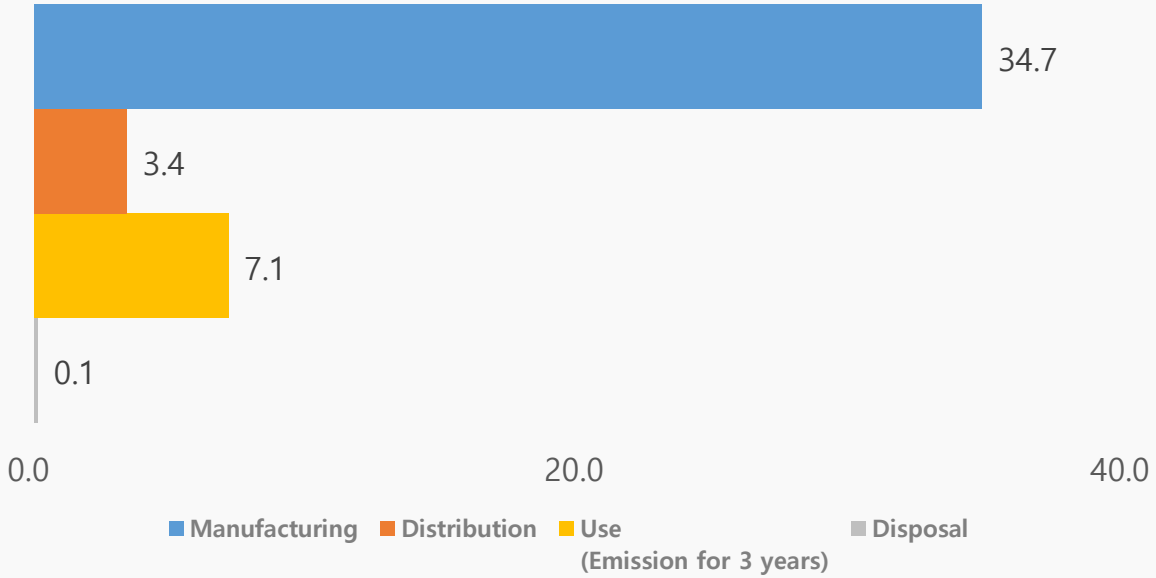


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S24 FE

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.6.0.1 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.6.0.1 LCA tool
LCA software	SimaPro 9.6.0.1

System boundary of LCA

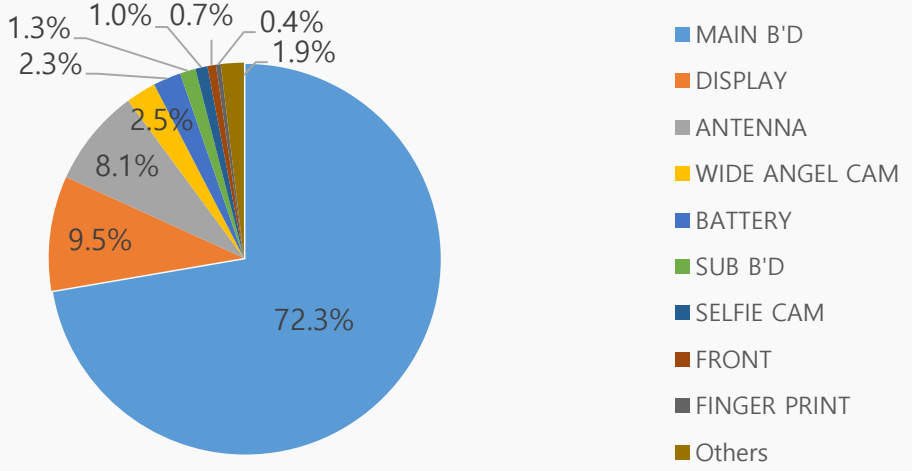
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

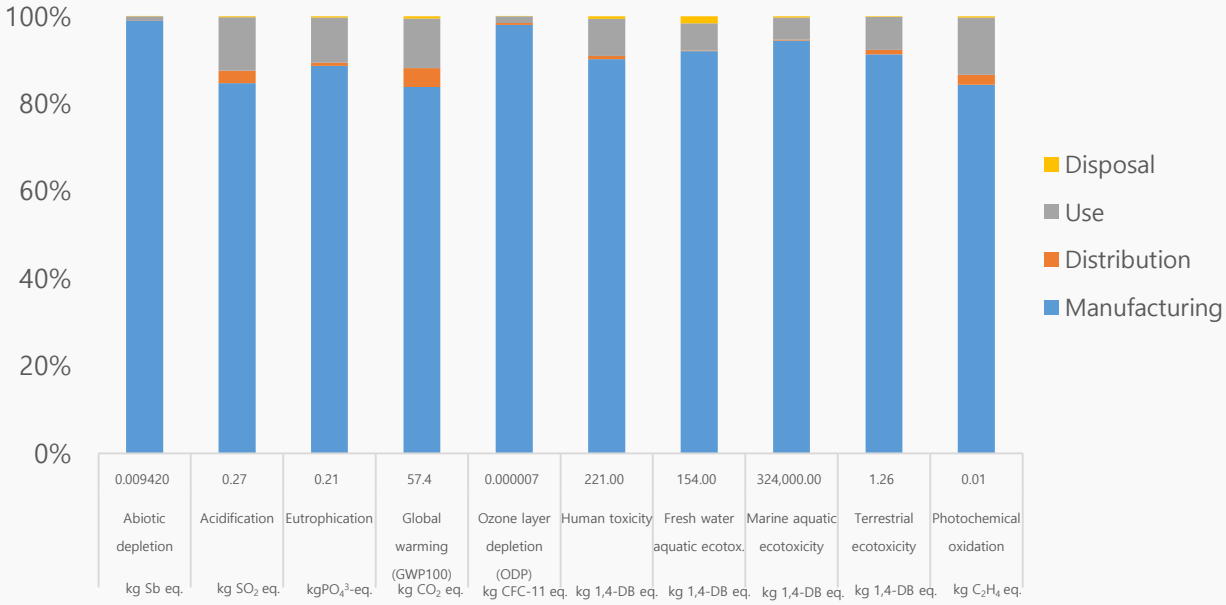
Product Features

Model name	SM-S721B(Galaxy S24 FE)
Dimension	162 x 77.3 x 8.0 mm
Display	OLED 6.7"
Weight	Product & Acc. : 232.58g Packages : 138.35g

Global Warming Impact Profile

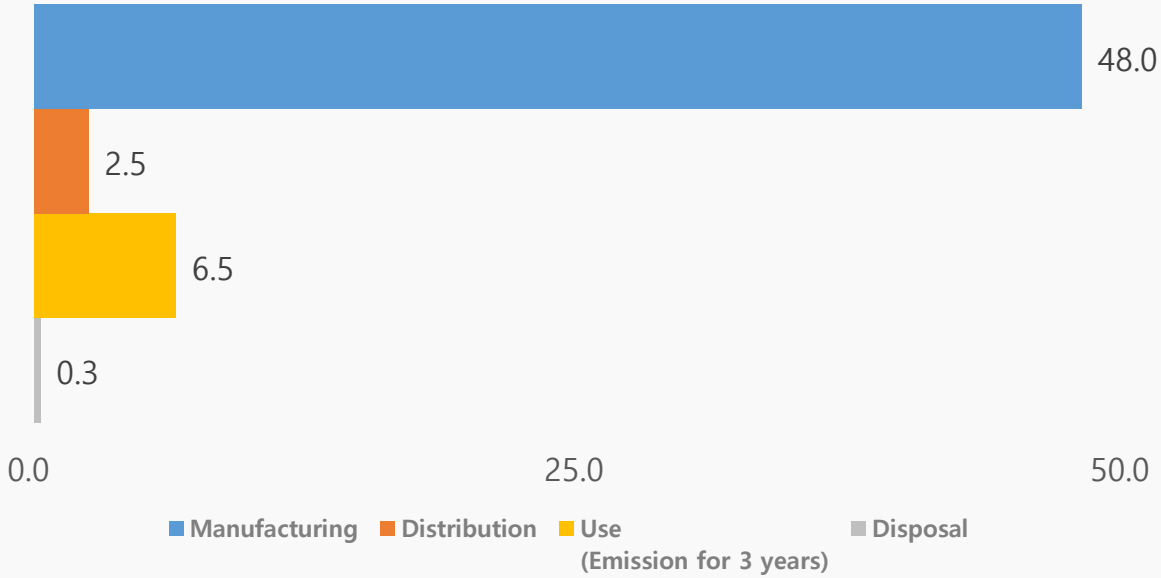


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S24 FE

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.6.0.1 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.6.0.1 LCA tool
LCA software	SimaPro 9.6.0.1

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

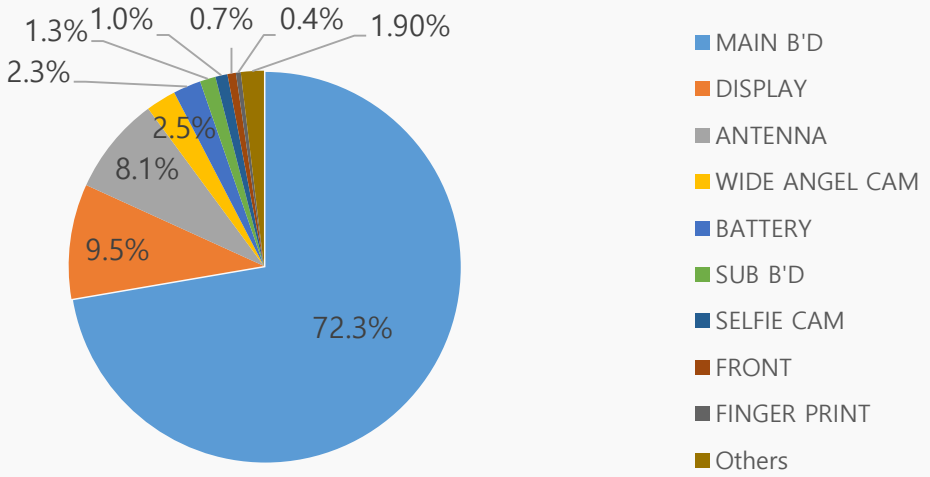
LCA Report Issuance Date : Sep. 11, 2024

Webpage Publication Date of Summary of LCA : Oct. 16, 2024

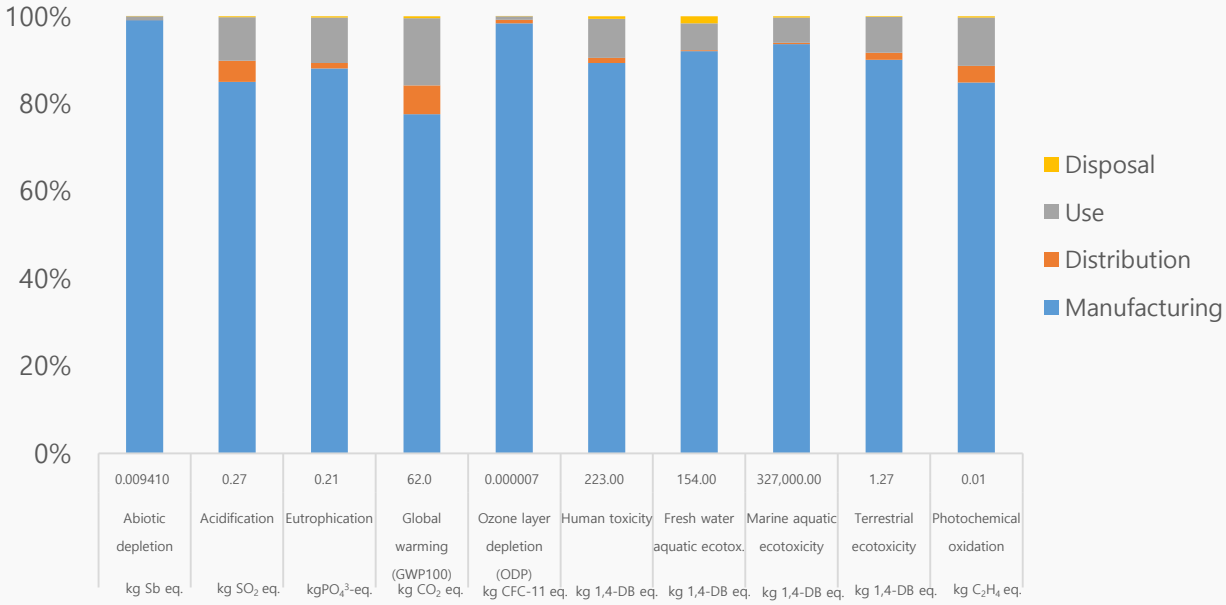
Product Features

Model name	SM-S721U(Galaxy S24 FE)
Dimension	162 x 77.3 x 8.0 mm
Display	OLED 6.7"
Weight	Product & Acc. : 232.58g Packages : 138.35g

Global Warming Impact Profile

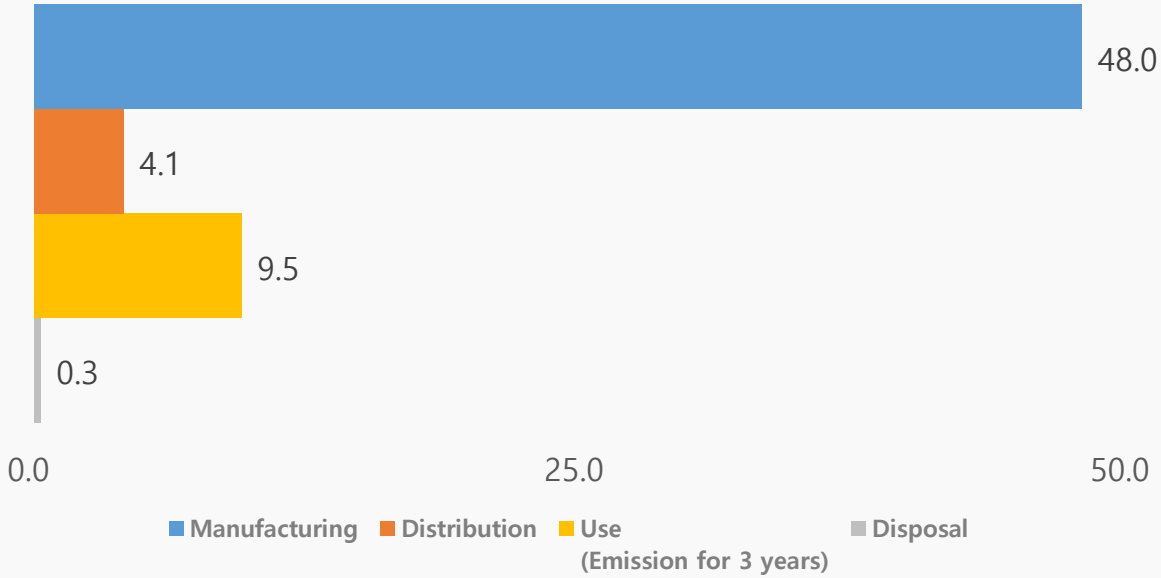


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy Z Flip6

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.6.0.1 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.6.0.1 LCA tool
LCA software	SimaPro 9.6.0.1

System boundary of LCA

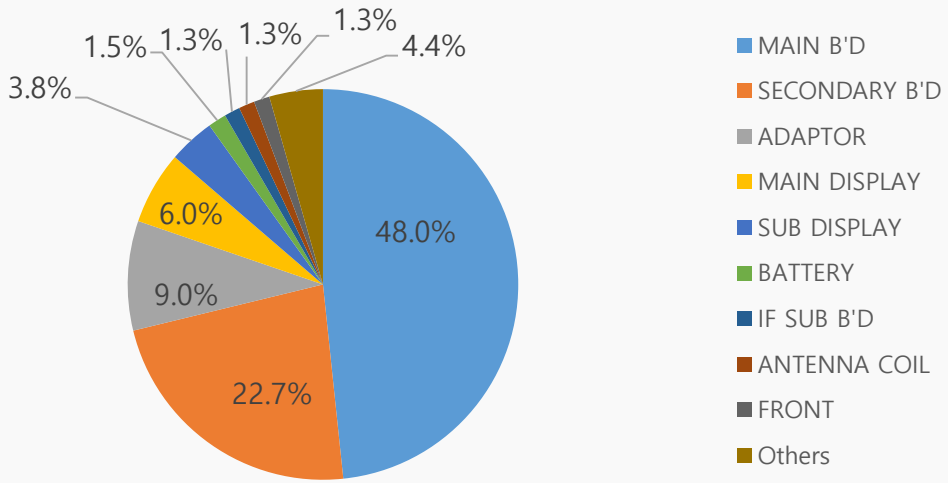
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to China
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Circular Economy Lab of Samsung Electronics. (ecodesign@samsung.com)

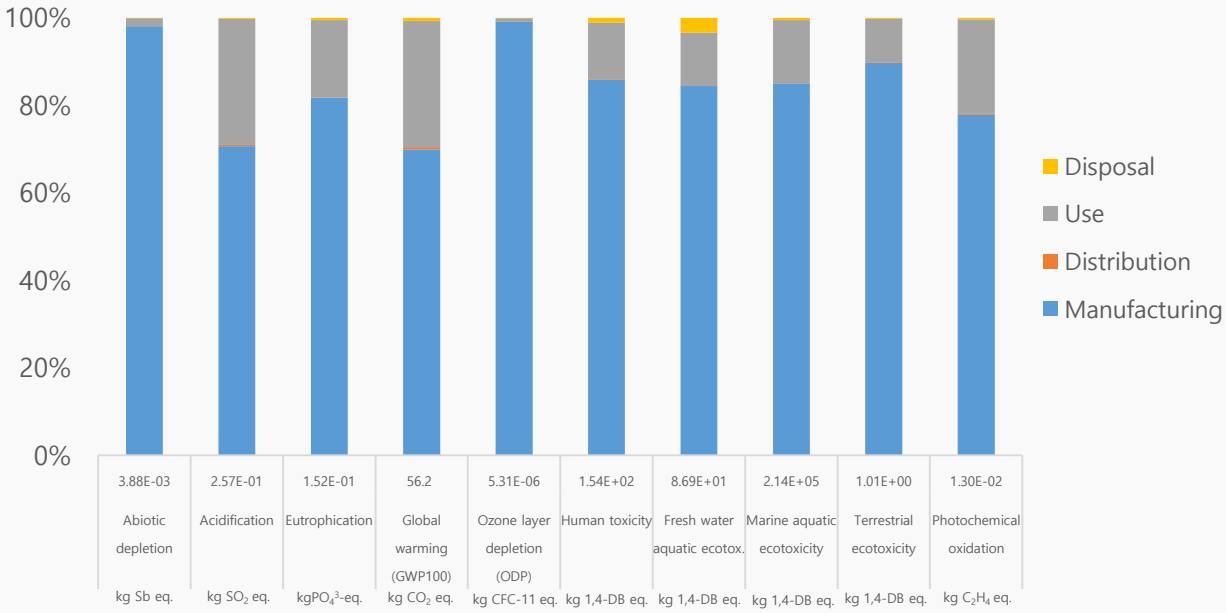
Product Features

Model name	SM-F7410(Galaxy Z Flip6)
Dimension	165.1 x 71.9 x 6.9 mm
Display	OLED 6.7” / 3.4”
Weight	Product&Acc. : 263.63 g Packages : 177.80 g

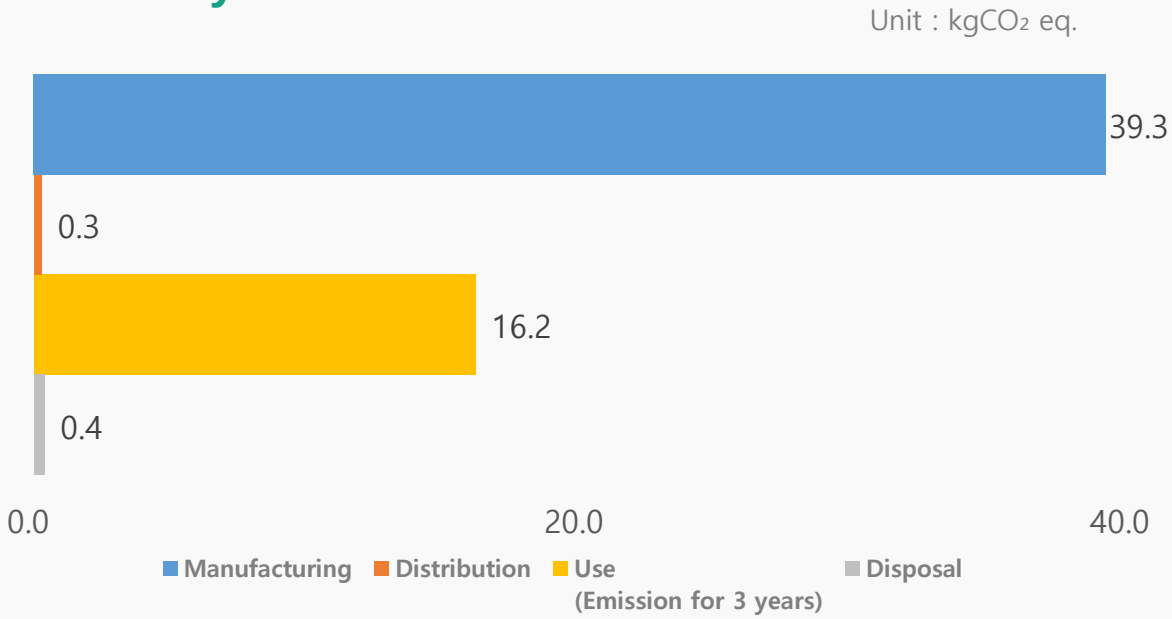
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy Z Fold6

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.6.0.1 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.6.0.1 LCA tool
LCA software	SimaPro 9.6.0.1

System boundary of LCA

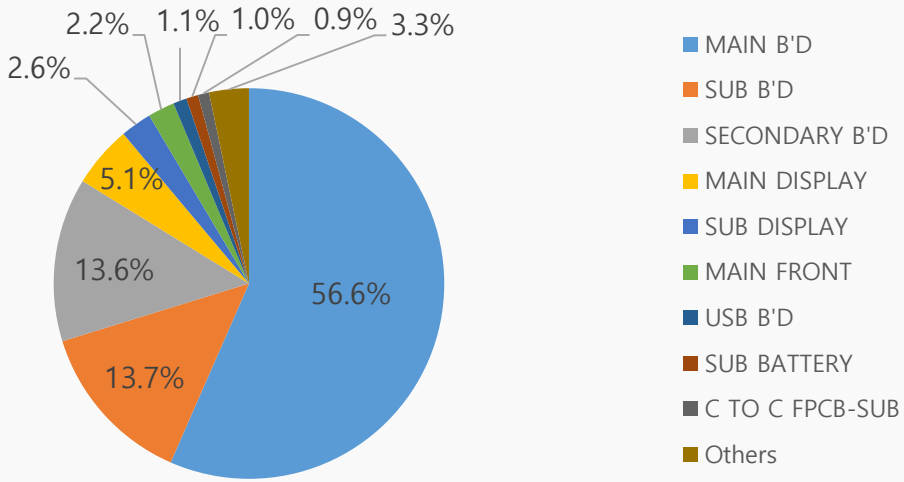
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam and Korea to EU
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Circular Economy Lab of Samsung Electronics. (ecodesign@samsung.com)

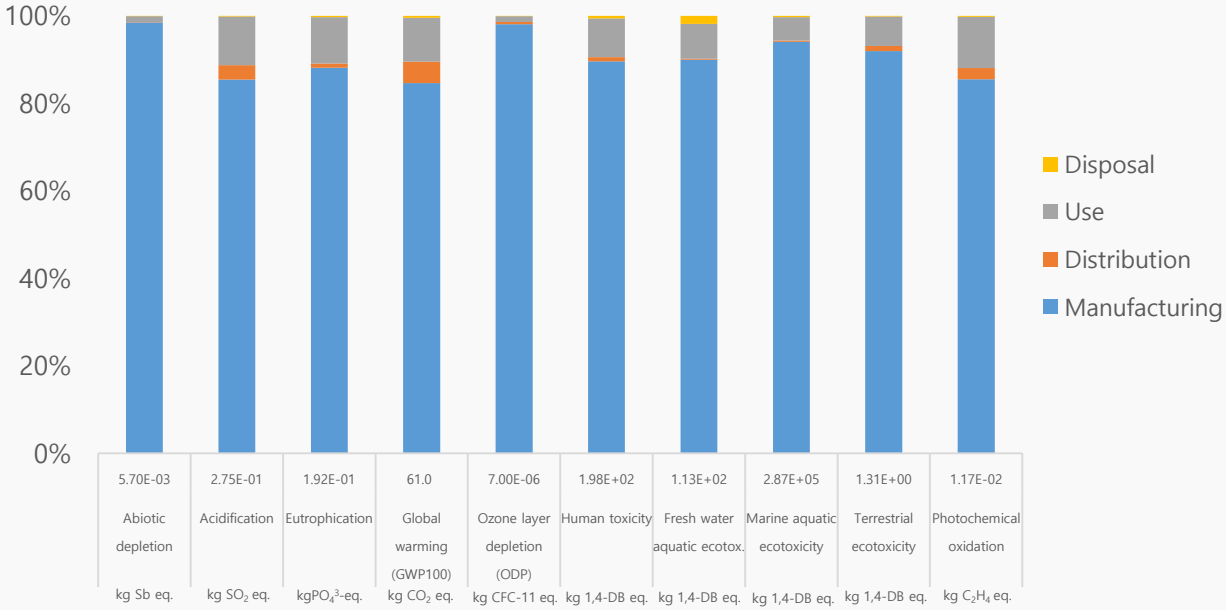
Product Features

Model name	SM-F956B(Galaxy Z Fold6)
Dimension	153.5 x 132.6 x 5.6 mm
Display	OLED 7.6” / 6.3”
Weight	Product&Acc. : 259.33 g Packages : 193.46 g

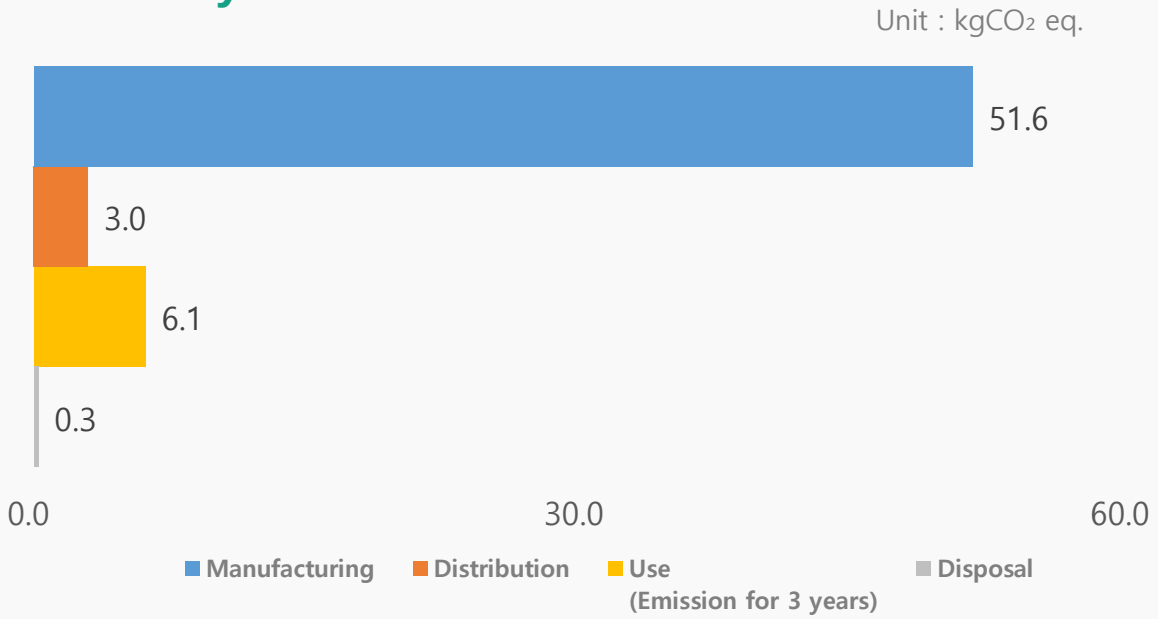
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy Z Fold6

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.6.0.1 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.6.0.1 LCA tool
LCA software	SimaPro 9.6.0.1

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam and Korea to US
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Circular Economy Lab of Samsung Electronics. (ecodesign@samsung.com)

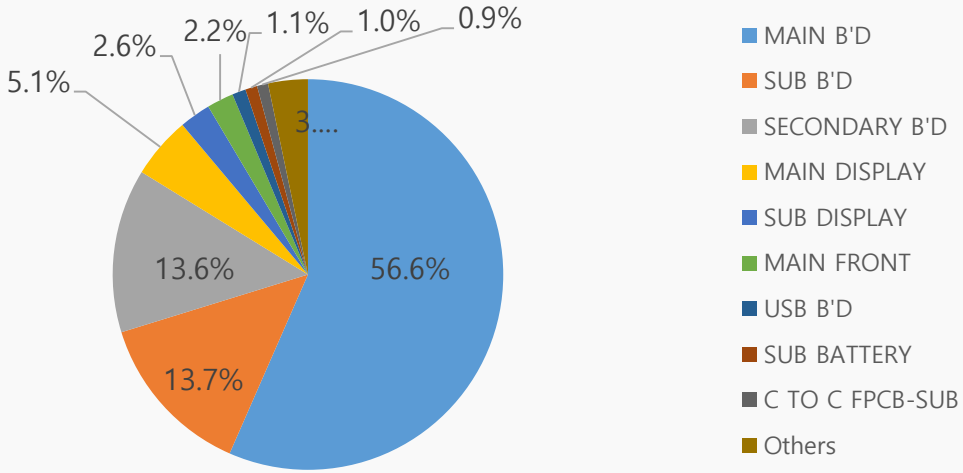
LCA Report Issuance Date : Aug. 9, 2024

Webpage Publication Date of Summary of LCA : Aug. 30, 2024

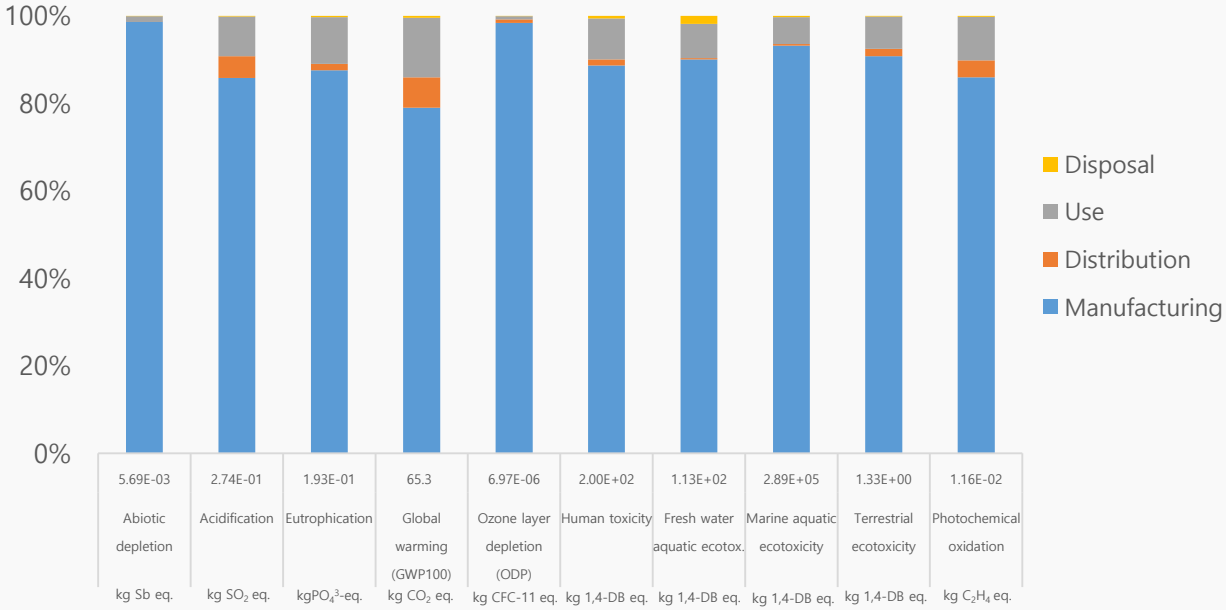
Product Features

Model name	SM-F956U(Galaxy Z Fold6)
Dimension	153.5 x 132.6 x 5.6 mm
Display	OLED 7.6”” / 6.3””
Weight	Product&Acc. : 259.33 g Packages : 193.46 g

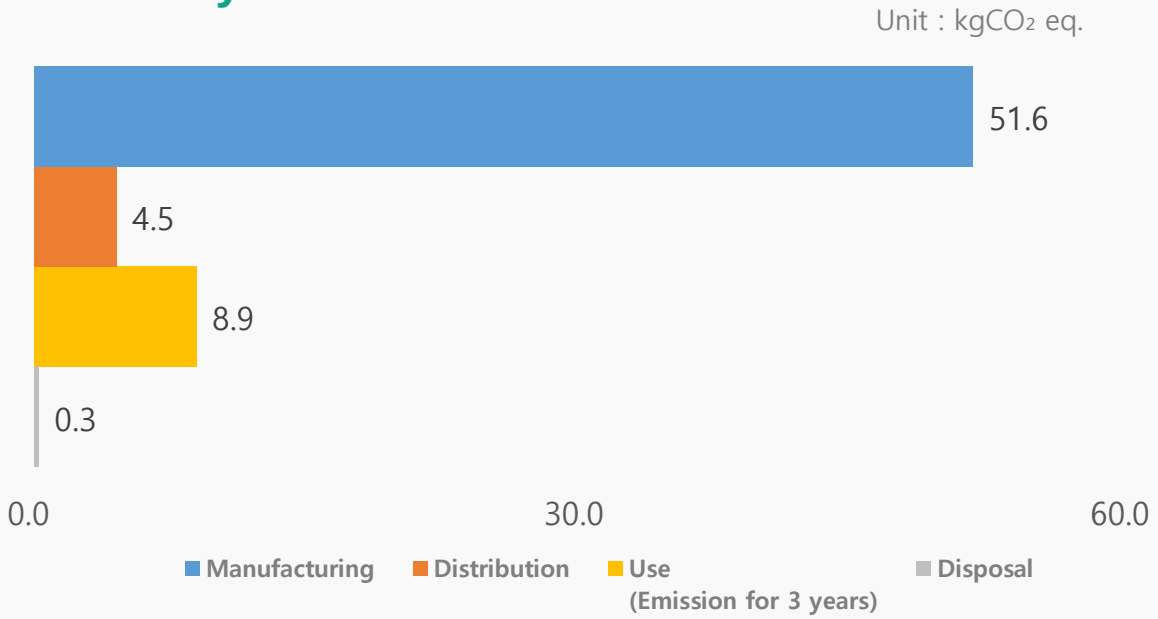
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy Z Flip6

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.6.0.1 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.6.0.1 LCA tool
LCA software	SimaPro 9.6.0.1

System boundary of LCA

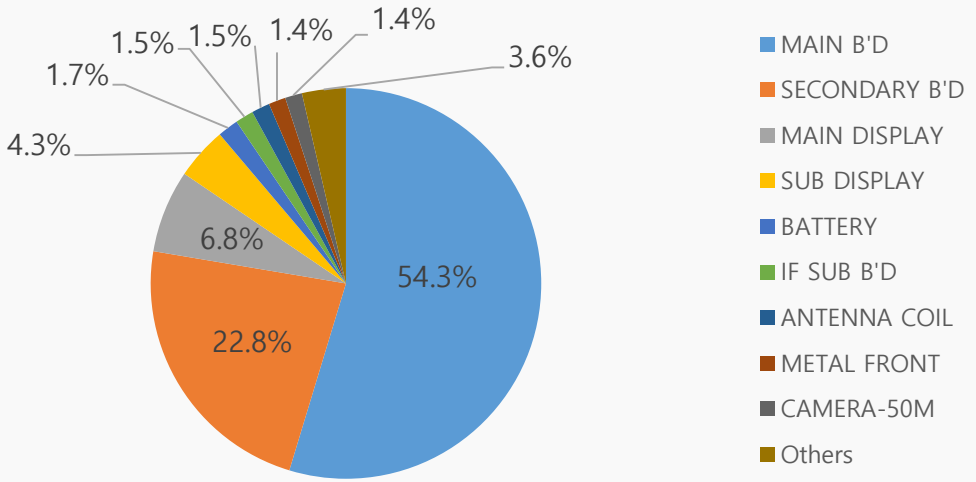
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam and Korea to EU
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Circular Economy Lab of Samsung Electronics. (ecodesign@samsung.com)

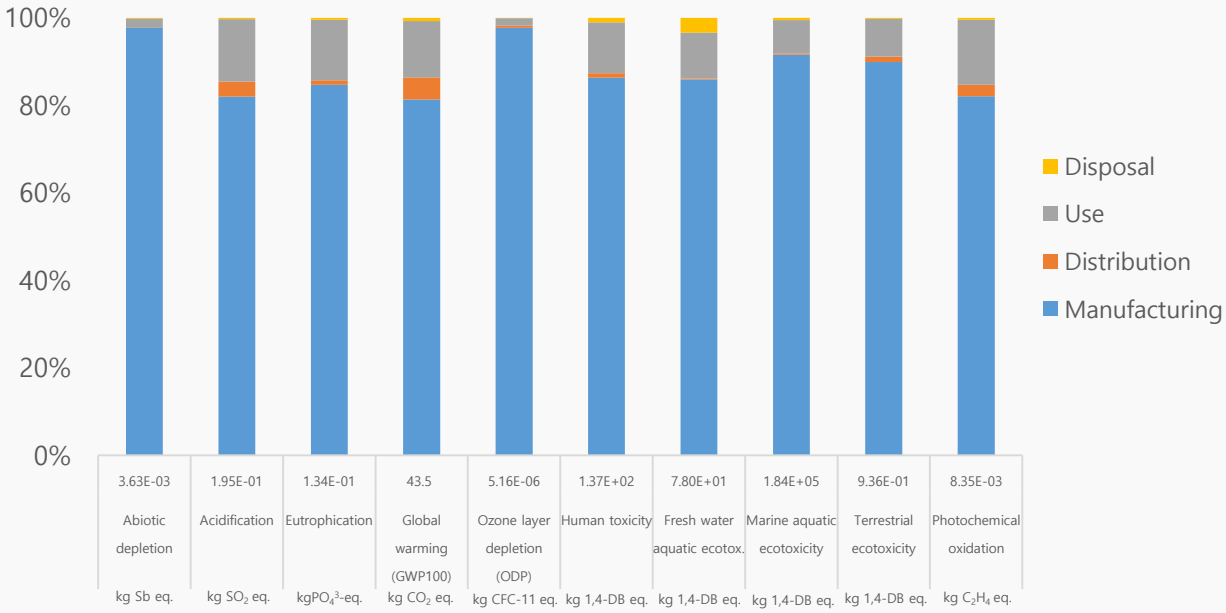
Product Features

Model name	SM-F741B(Galaxy Z Flip6)
Dimension	165.1 x 71.9 x 6.9 mm
Display	OLED 6.7” / 3.4”
Weight	Product&Acc. : 208.54 g Packages : 130.45 g

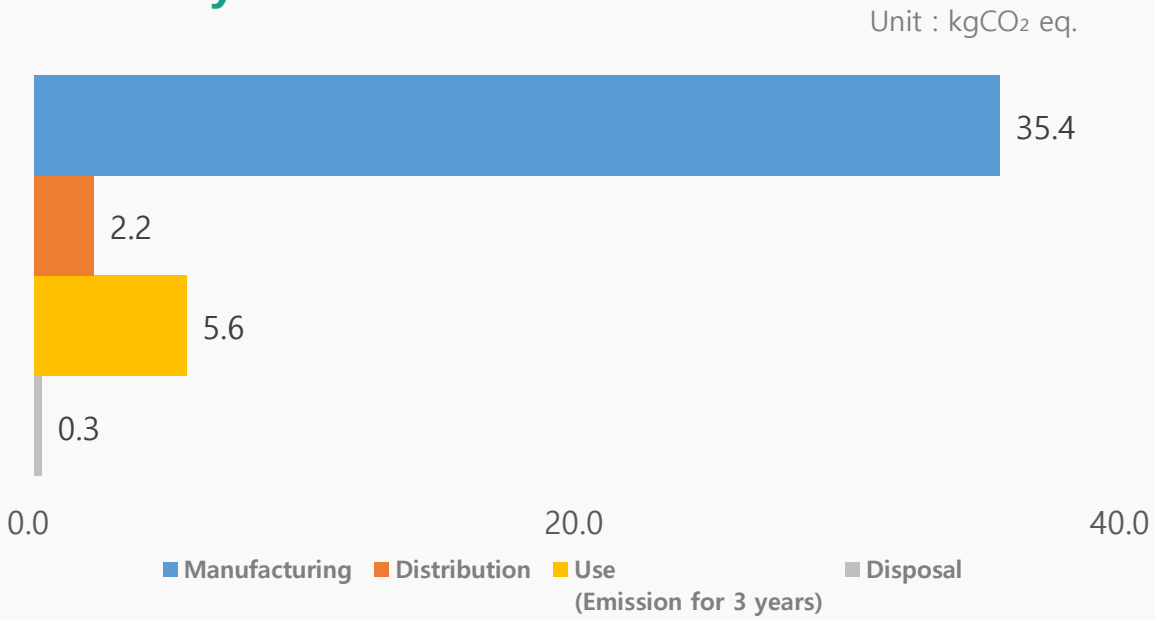
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy Z Flip6

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.6.0.1 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.6.0.1 LCA tool
LCA software	SimaPro 9.6.0.1

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam and Korea to US
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Circular Economy Lab of Samsung Electronics. (ecodesign@samsung.com)

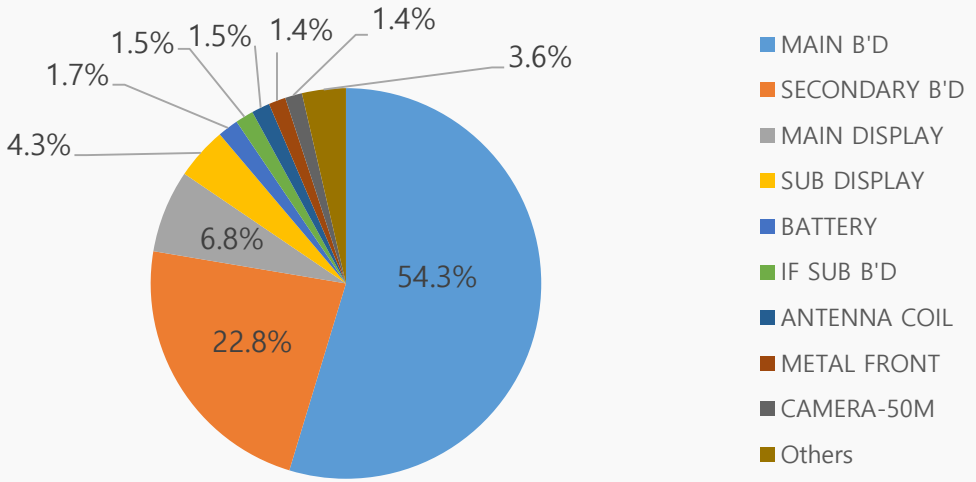
LCA Report Issuance Date : Aug. 2, 2024

Webpage Publication Date of Summary of LCA : Aug. 30, 2024

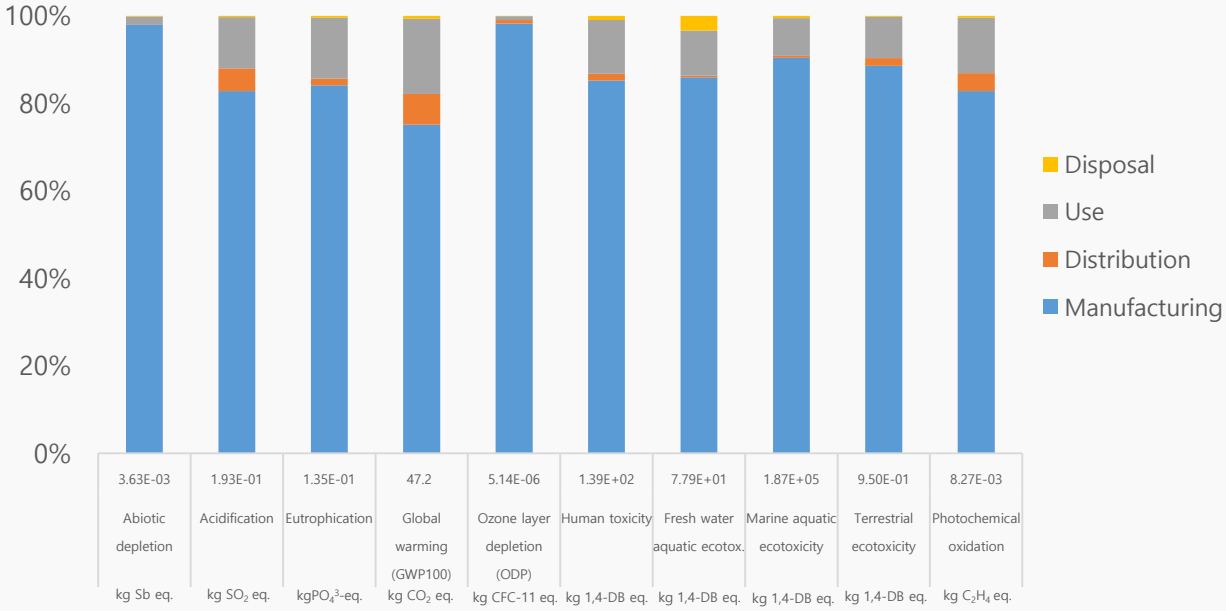
Product Features

Model name	SM-F741U(Galaxy Z Flip6)
Dimension	165.1 x 71.9 x 6.9 mm
Display	OLED 6.7” / 3.4”
Weight	Product&Acc. : 208.54 g Packages : 130.45 g

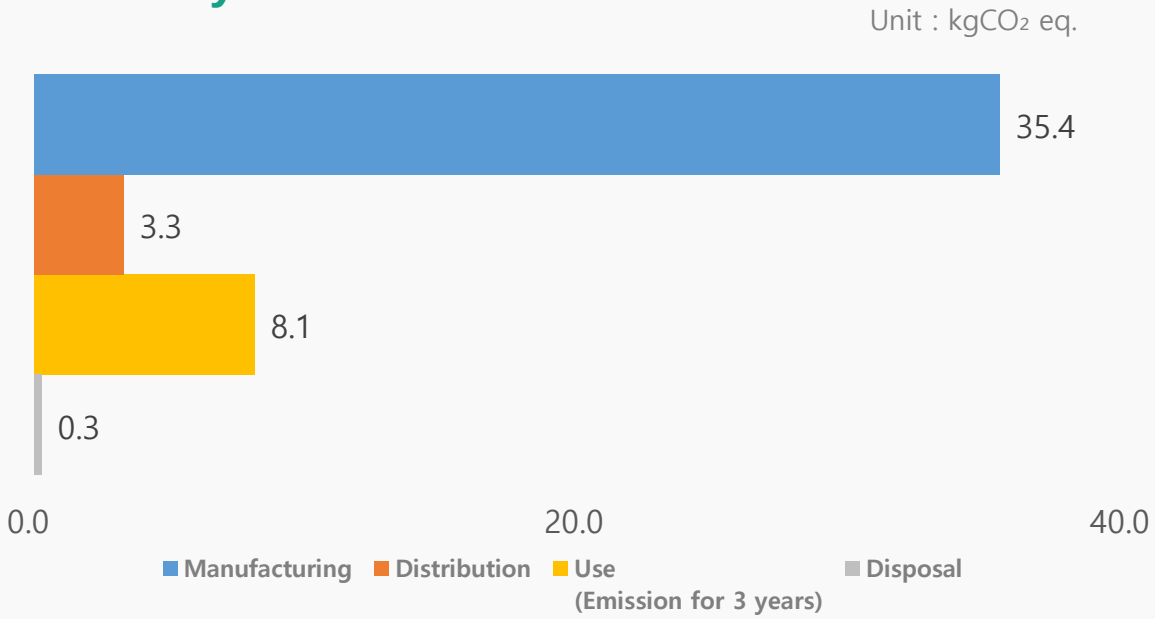
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy M35 5G

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.6.0.1 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.6.0.1 LCA tool
LCA software	SimaPro 9.6.0.1

System boundary of LCA

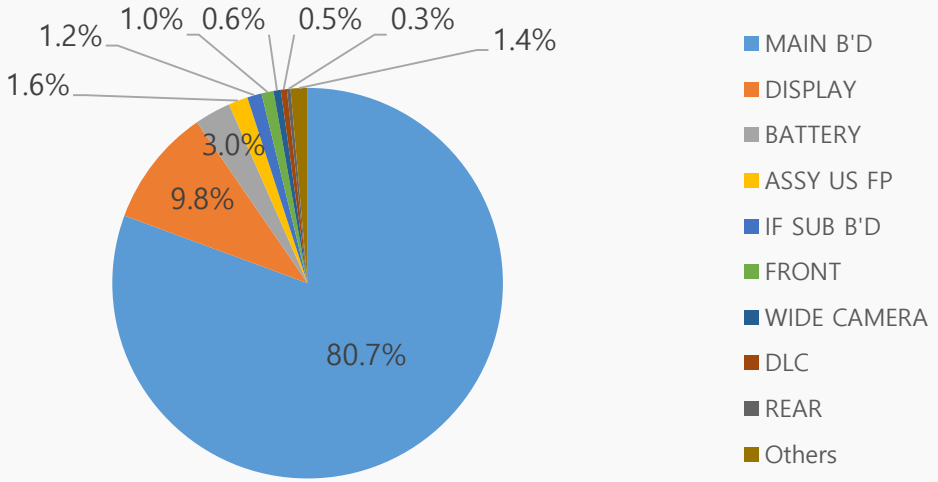
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From India to India
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

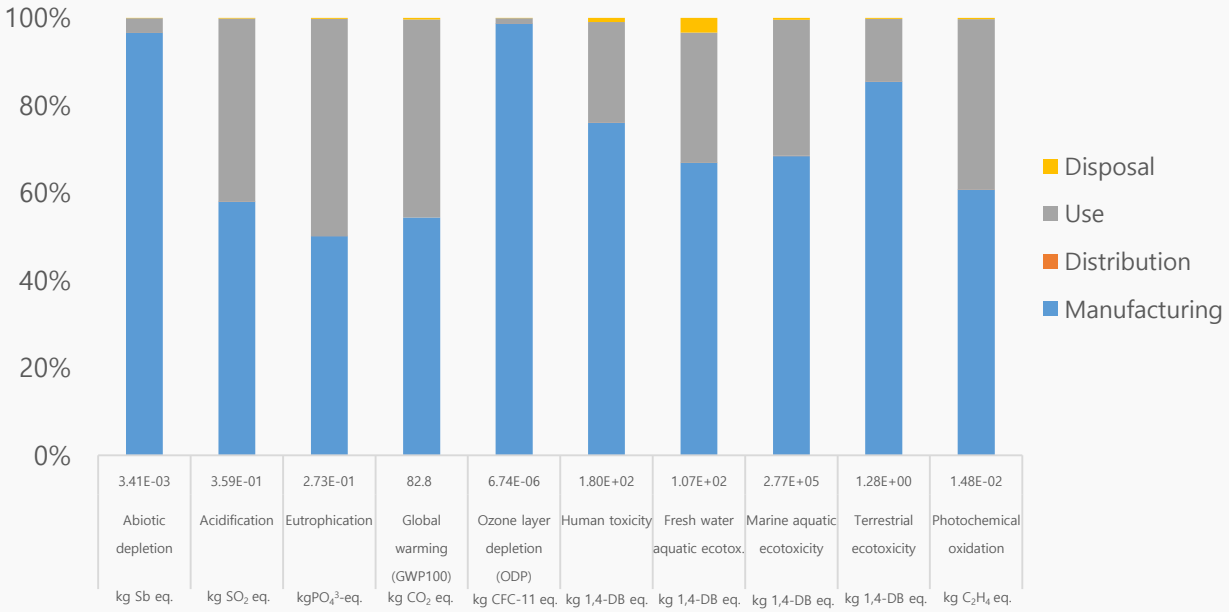
Product Features

Model name	SM-M356B(Galaxy M35 5G)
Dimension	162.3 x 78.6 x 9.1 mm
Display	OLED 6.6”
Weight	Product&Acc. : 243.16 g Packages : 99.57 g

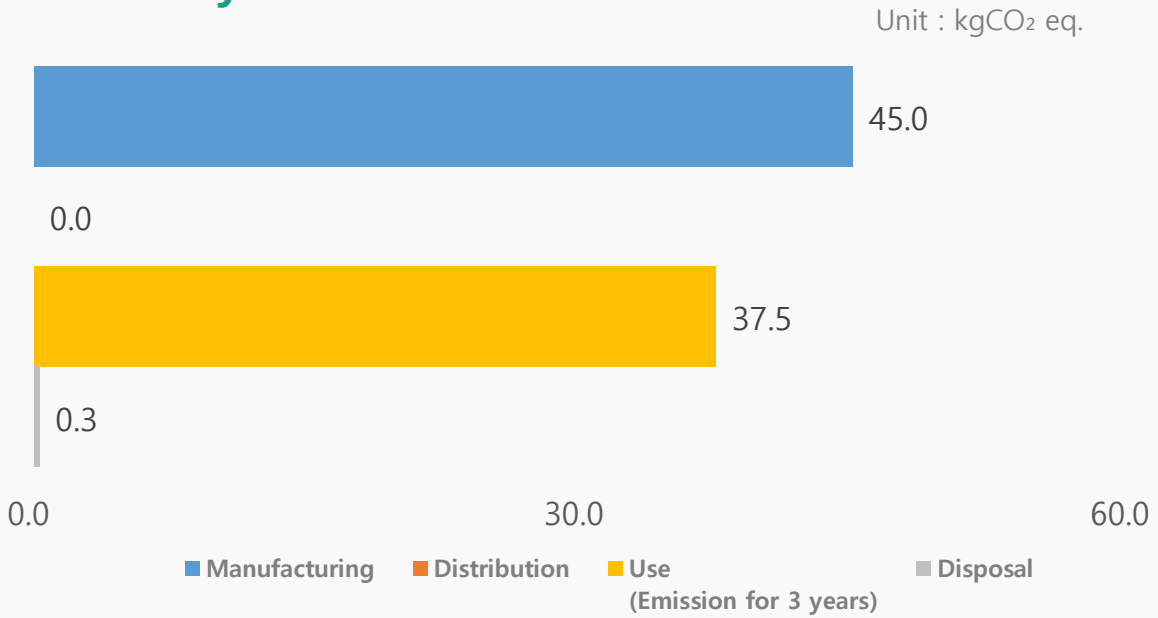
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A35 5G

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.6.0.1 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.6.0.1 LCA tool
LCA software	SimaPro 9.6.0.1

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

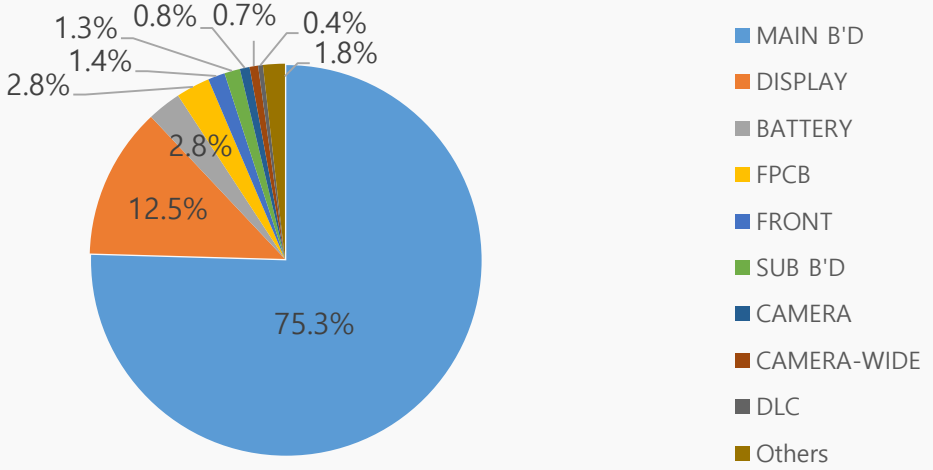
LCA Report Issuance Date : Jun. 25, 2024

Webpage Publication Date of Summary of LCA : Jun. 25, 2024

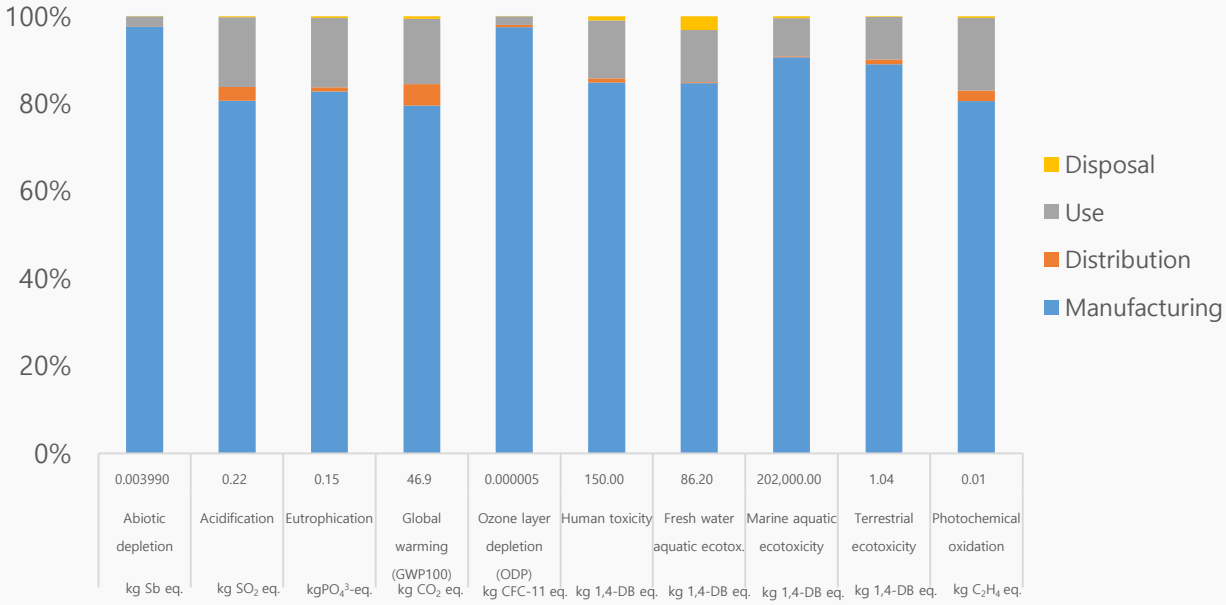
Product Features

Model name	SM-A356B(Galaxy A35 5G)
Dimension	161.1 x 78.0 x 8.2 mm
Display	LCD 6.6"
Weight	Product & Acc. : 231.62g Packages : 114.83g

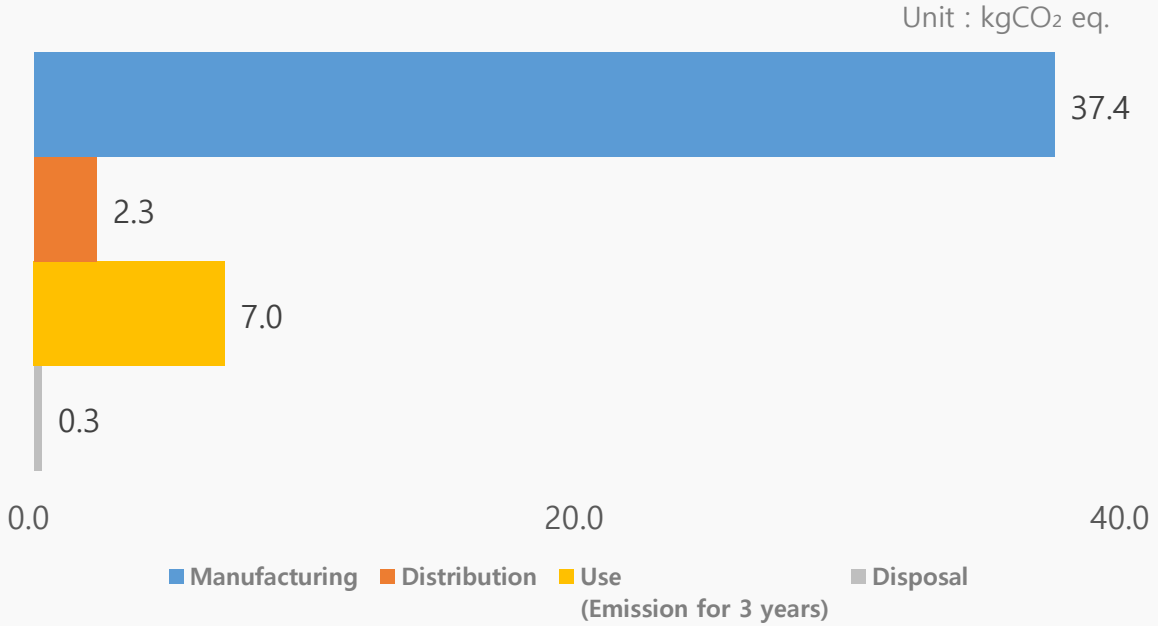
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A55 5G

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.6.0.1 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.10
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.6.0.1 LCA tool
LCA software	SimaPro 9.6.0.1

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

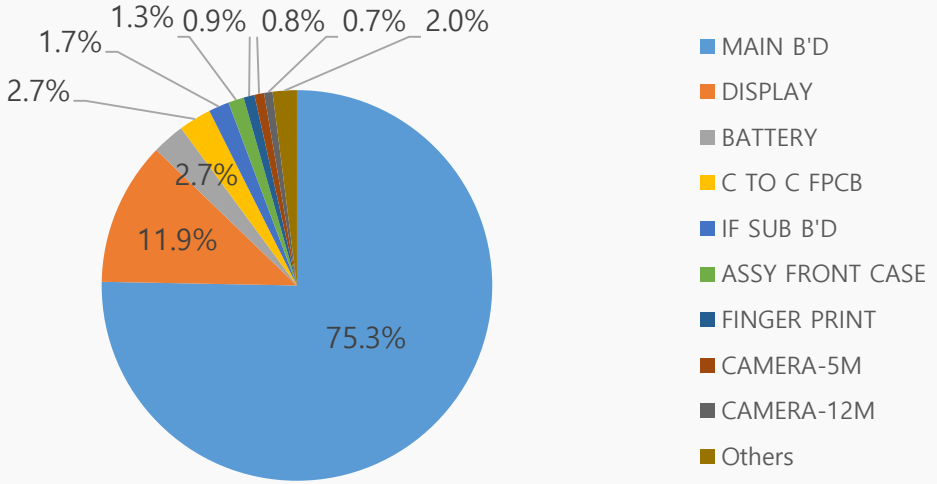
LCA Report Issuance Date : May. 31, 2024

Webpage Publication Date of Summary of LCA : Jun. 25, 2024

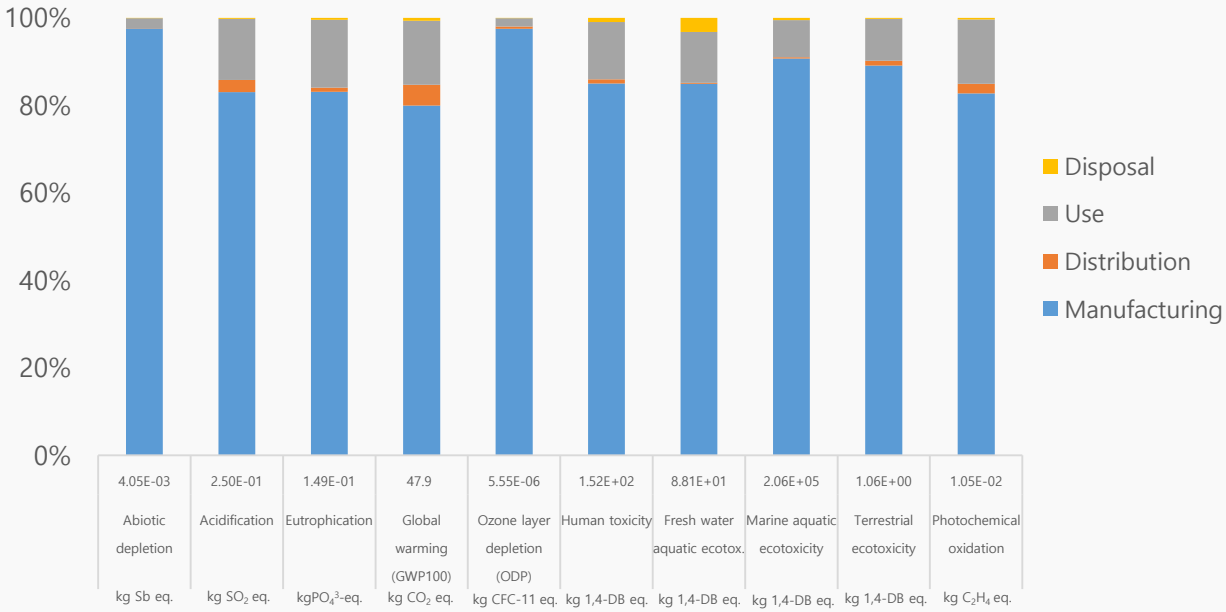
Product Features

Model name	SM-A556B(Galaxy A55 5G)
Dimension	161.1 x 77.4 x 8.2 mm
Display	LCD 6.6”
Weight	Product&Acc. : 235.93 g Packages : 119.29 g

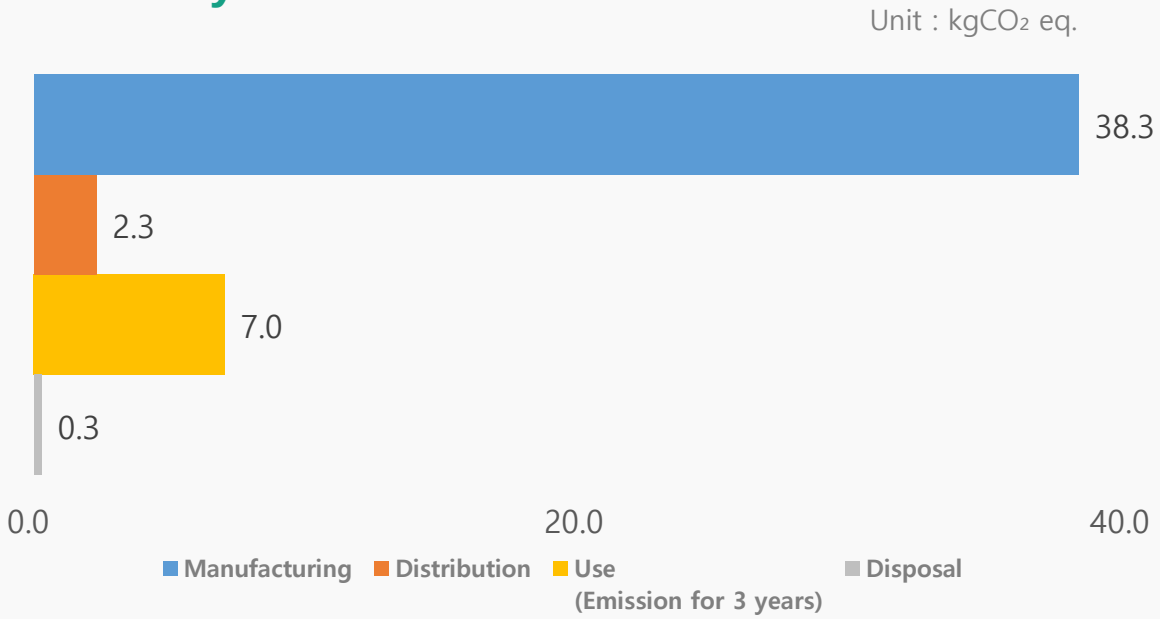
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy M15 5G

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

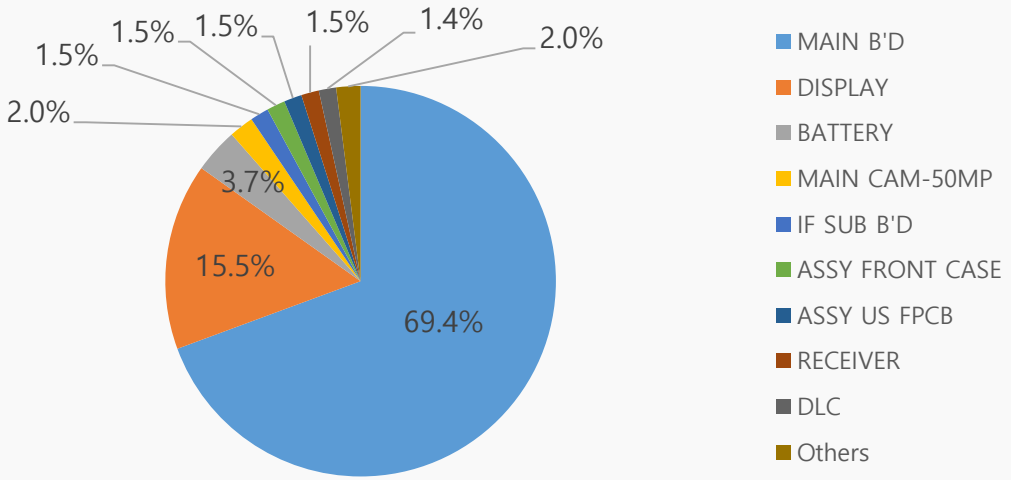
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam and India to Turkiye
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

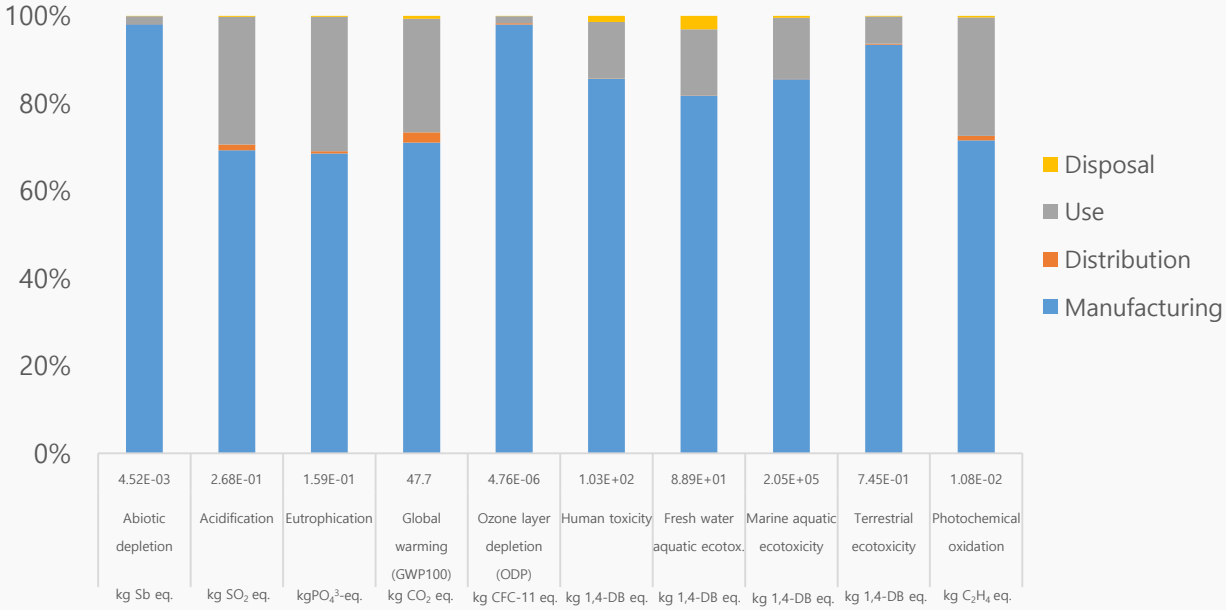
Product Features

Model name	SM-M156B(Galaxy M15 5G)
Dimension	160.1 x 76.8 x 9.3mm
Display	OLED 6.5”
Weight	Product&Acc. : 236.88 g Packages : 89.77 g

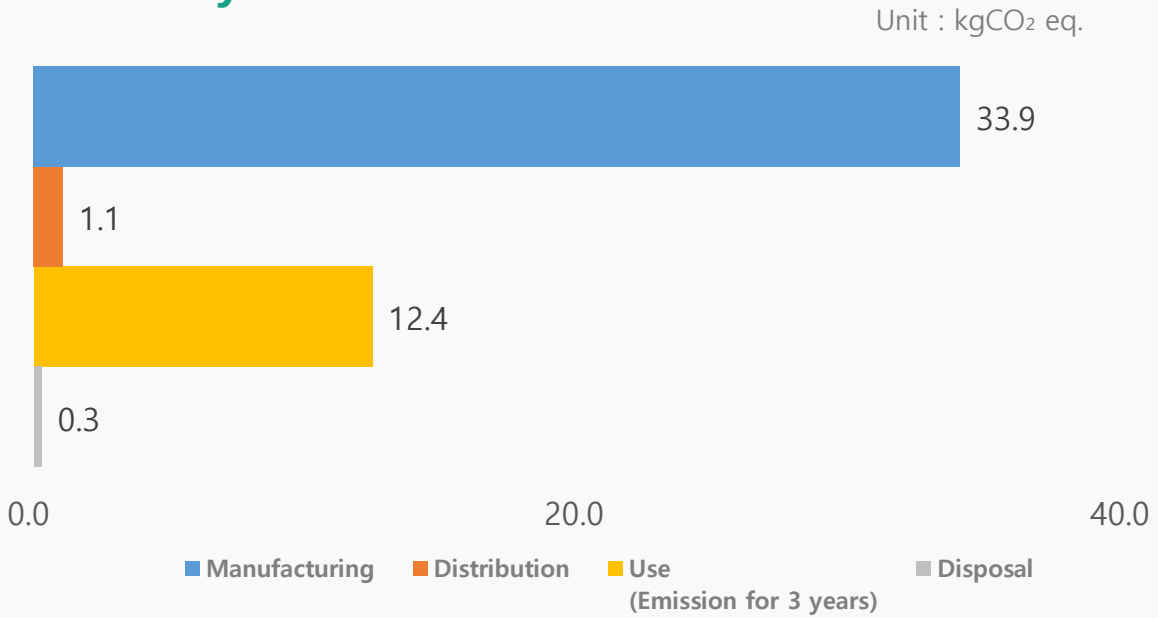
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy XCover7

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

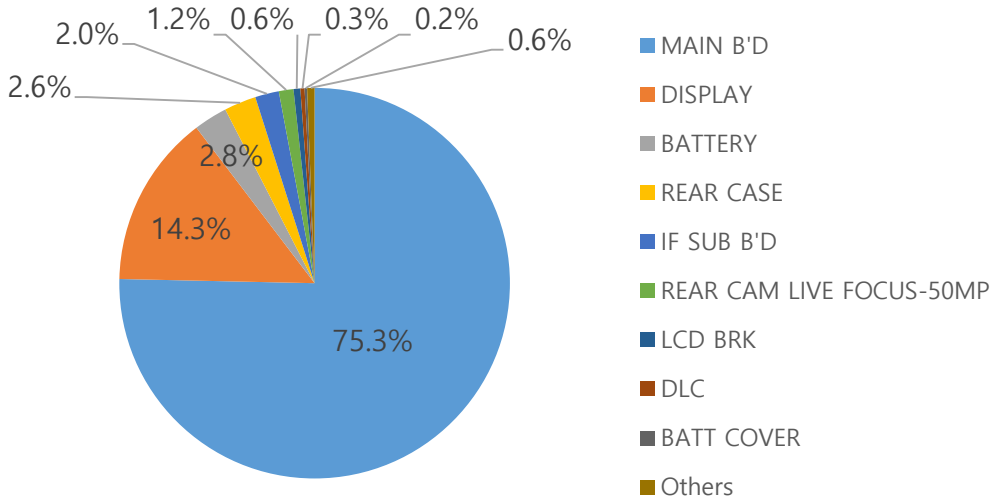
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

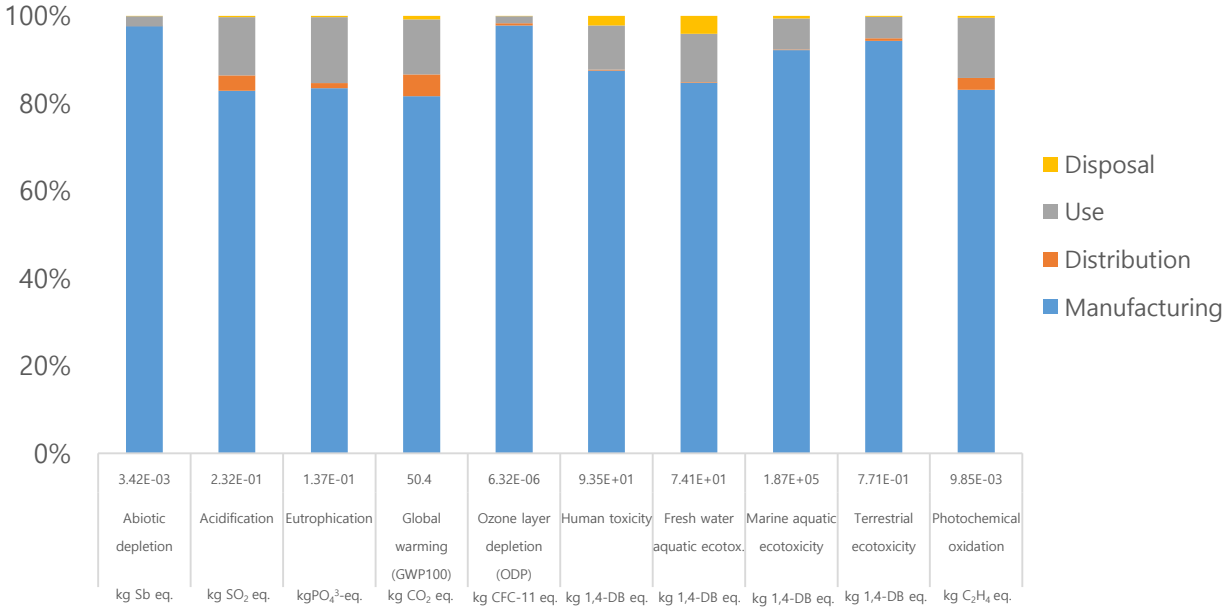
Product Features

Model name	SM-G556B(Galaxy XCover7)
Dimension	169.0 x 80.1 x 10.2 mm
Display	LCD 6.6”
Weight	Product&Acc. : 261.75 g Packages : 114.76 g

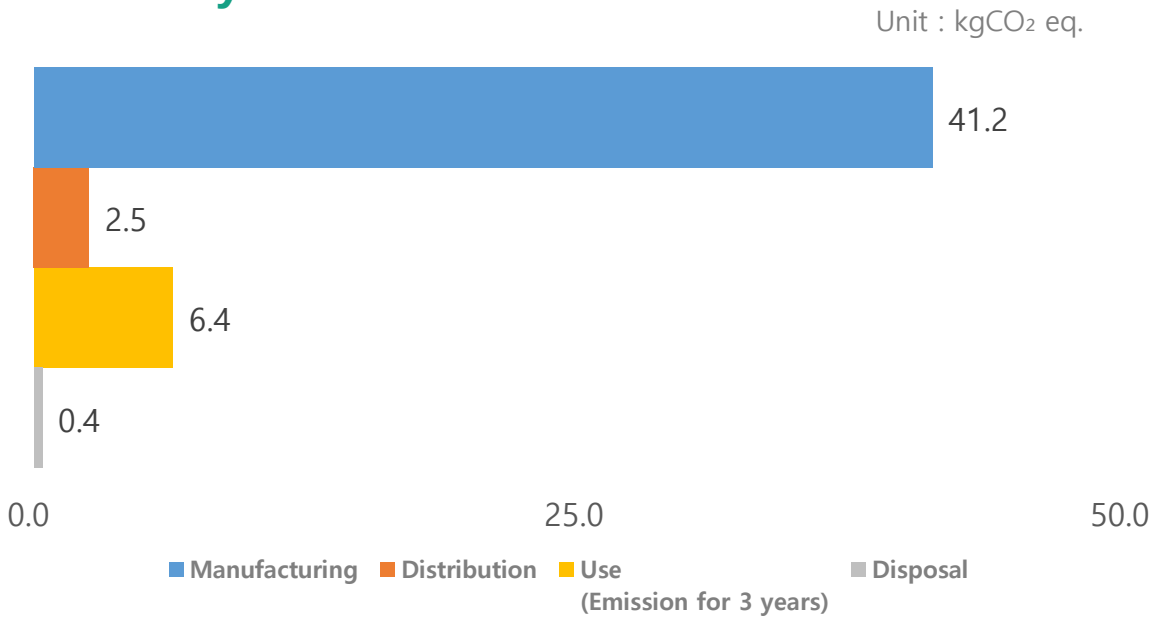
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S24 Ultra

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

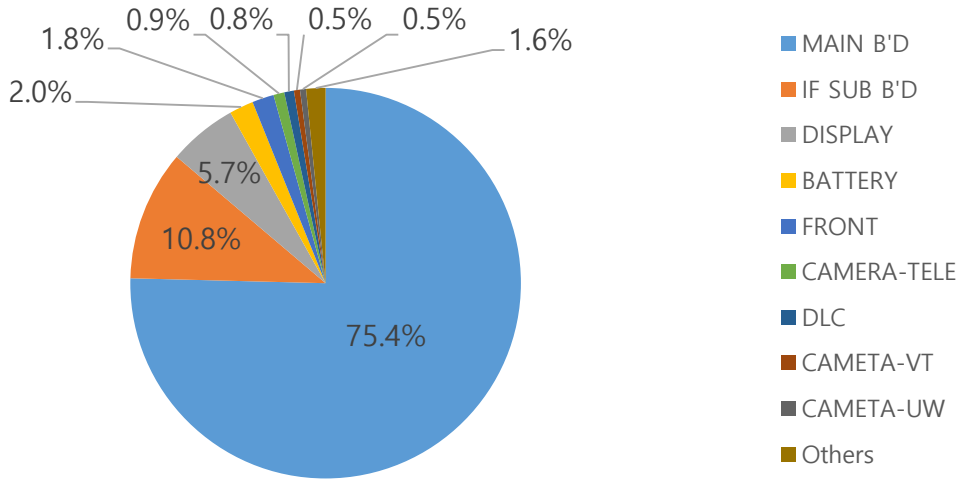
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

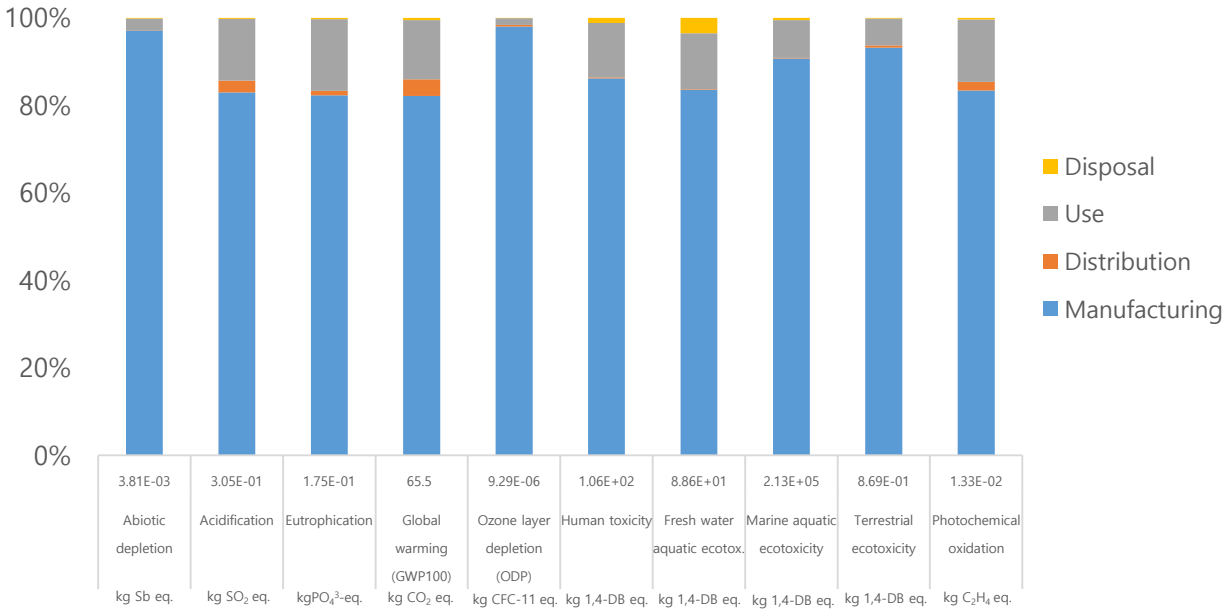
Product Features

Model name	SM-S928B(Galaxy S24 Ultra)
Dimension	162.3 x 79 x 8.6 mm
Display	OLED 6.8”
Weight	Product&Acc. : 253.41 g Packages : 124.63 g

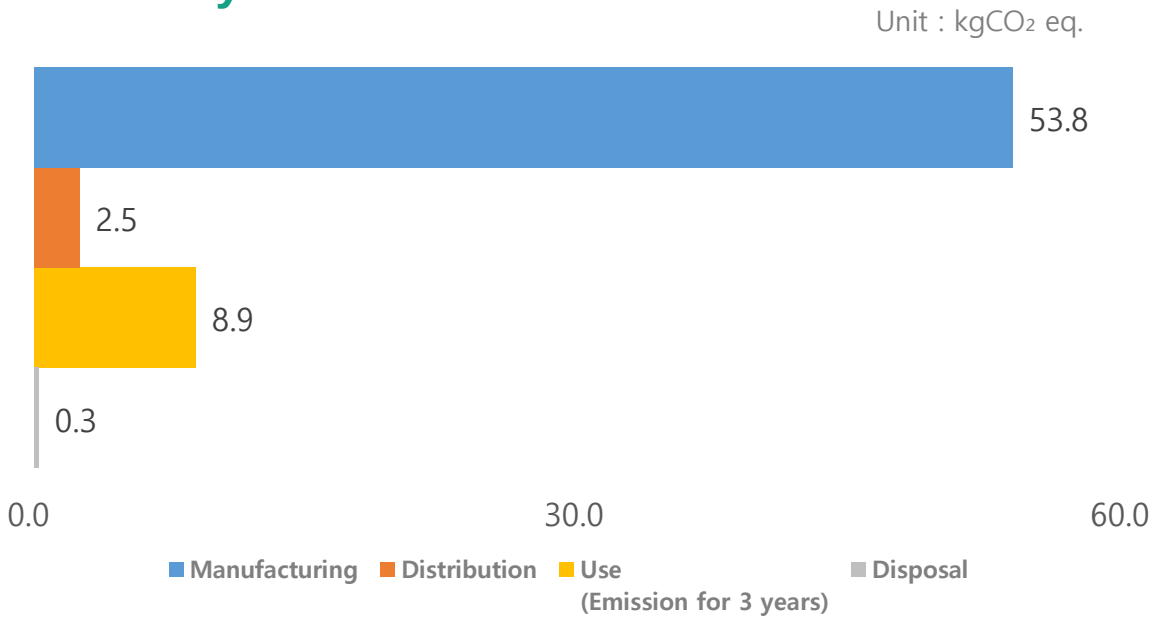
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S24 Ultra

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

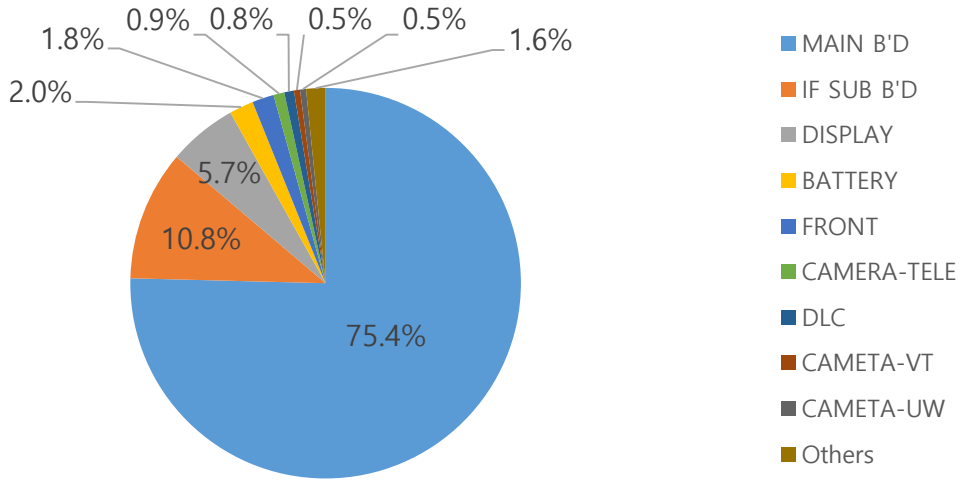
LCA Report Issuance Date : Feb 16, 2024

Webpage Publication Date of Summary of LCA : Feb 16, 2024

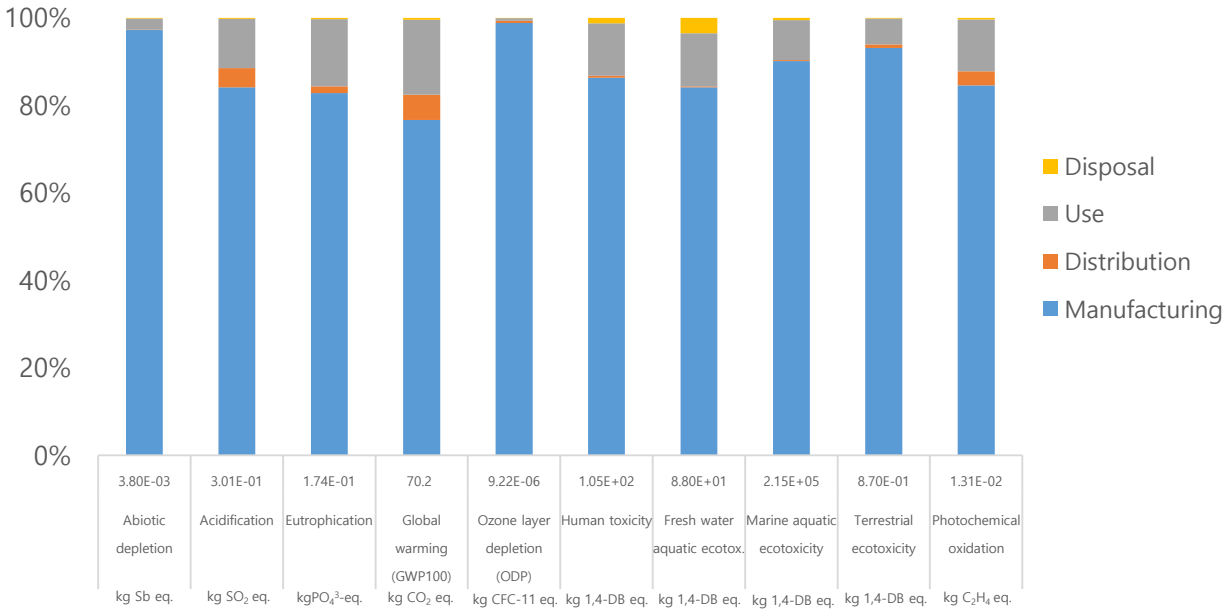
Product Features

Model name	SM-S928U(Galaxy S24 Ultra)
Dimension	162.3 x 79 x 8.6 mm
Display	OLED 6.8”
Weight	Product&Acc. : 253.41 g Packages : 124.63 g

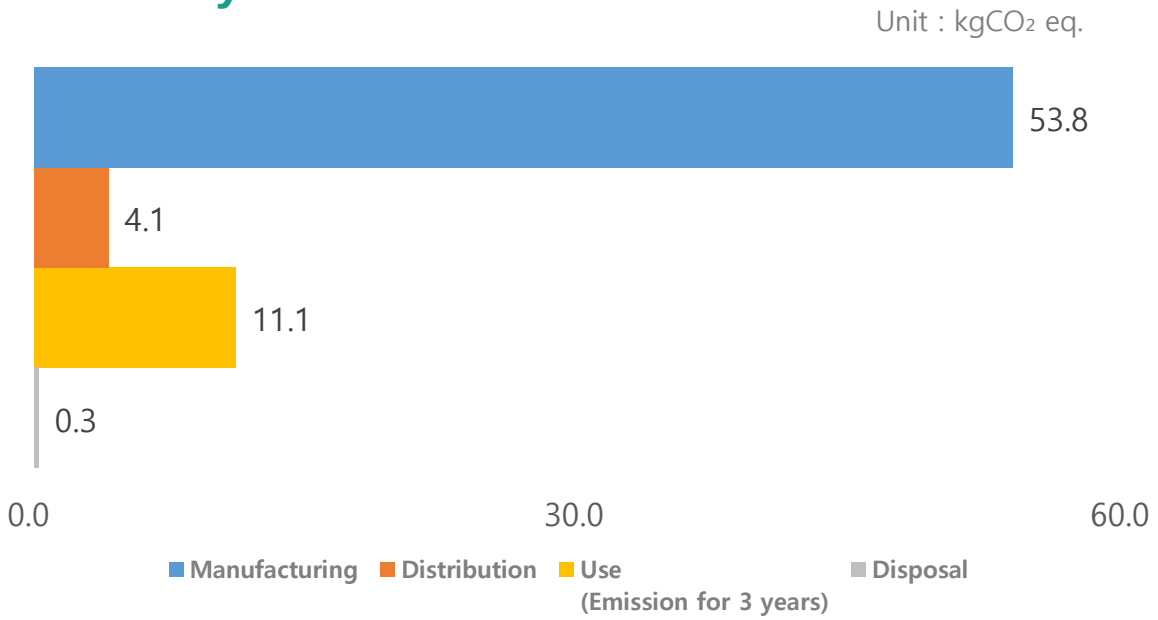
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S24+

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

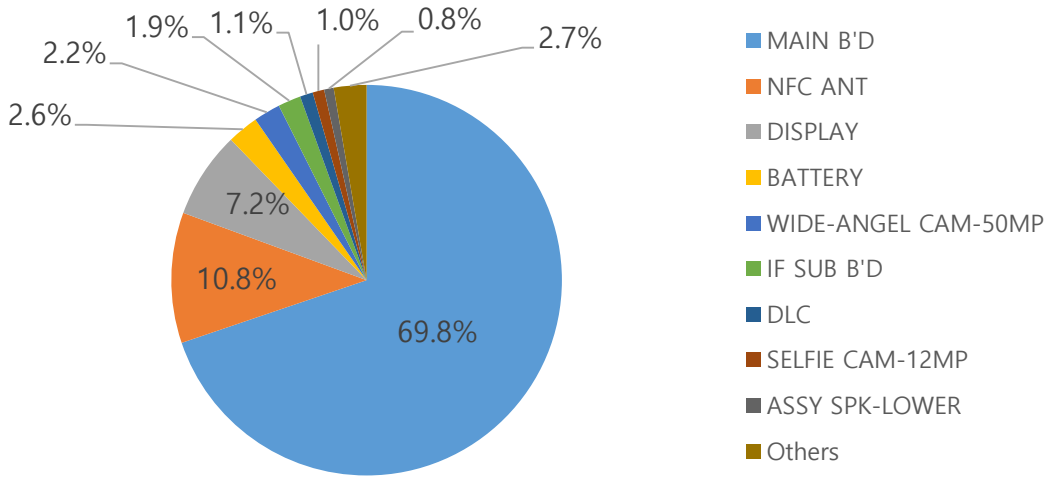
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

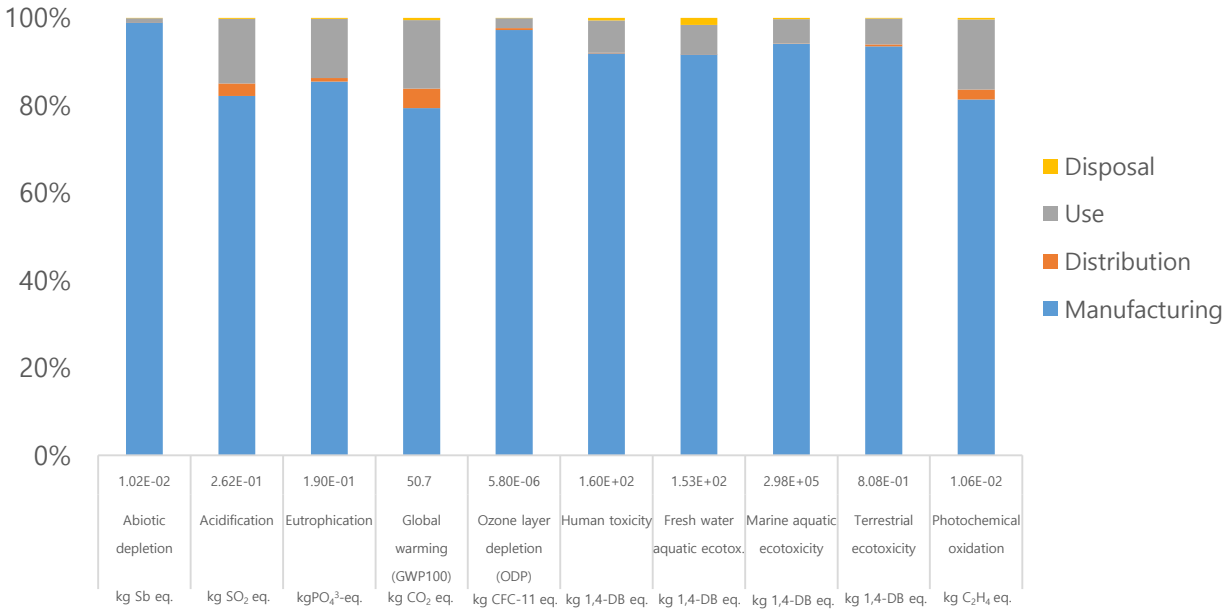
Product Features

Model name	SM-S926B(Galaxy S24+)
Dimension	158.5 x 75.9 x 7.7 mm
Display	OLED 6.7”
Weight	Product&Acc. : 215.42 g Packages : 124.05 g

Global Warming Impact Profile

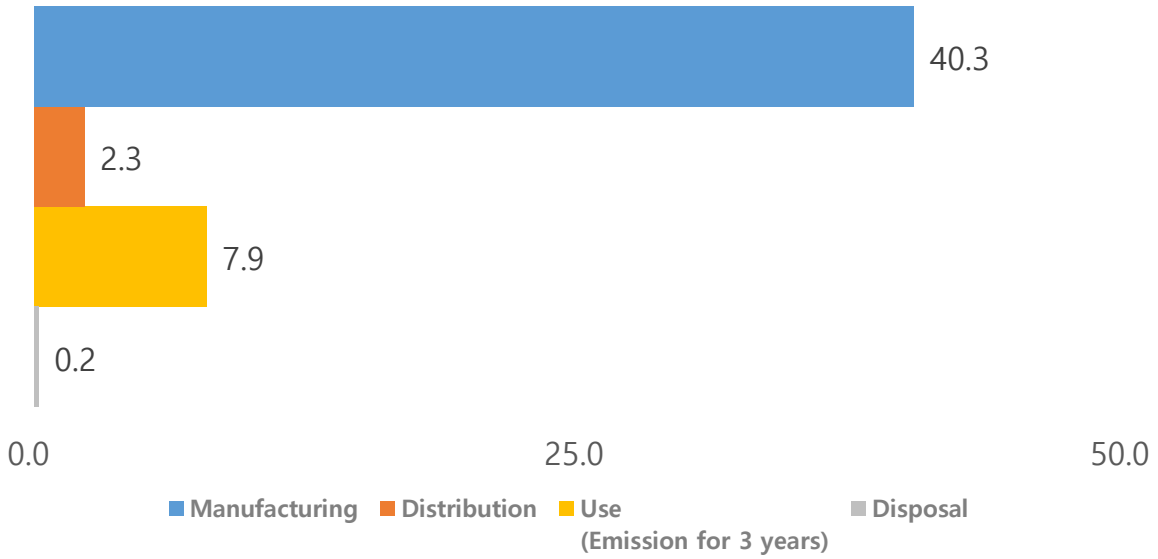


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S24+

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

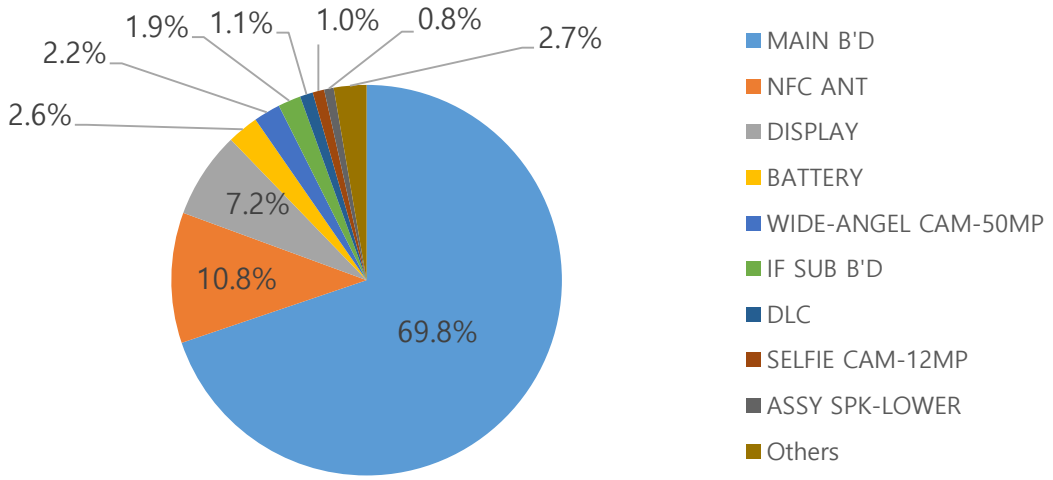
LCA Report Issuance Date : Feb 16, 2024

Webpage Publication Date of Summary of LCA : Feb 16, 2024

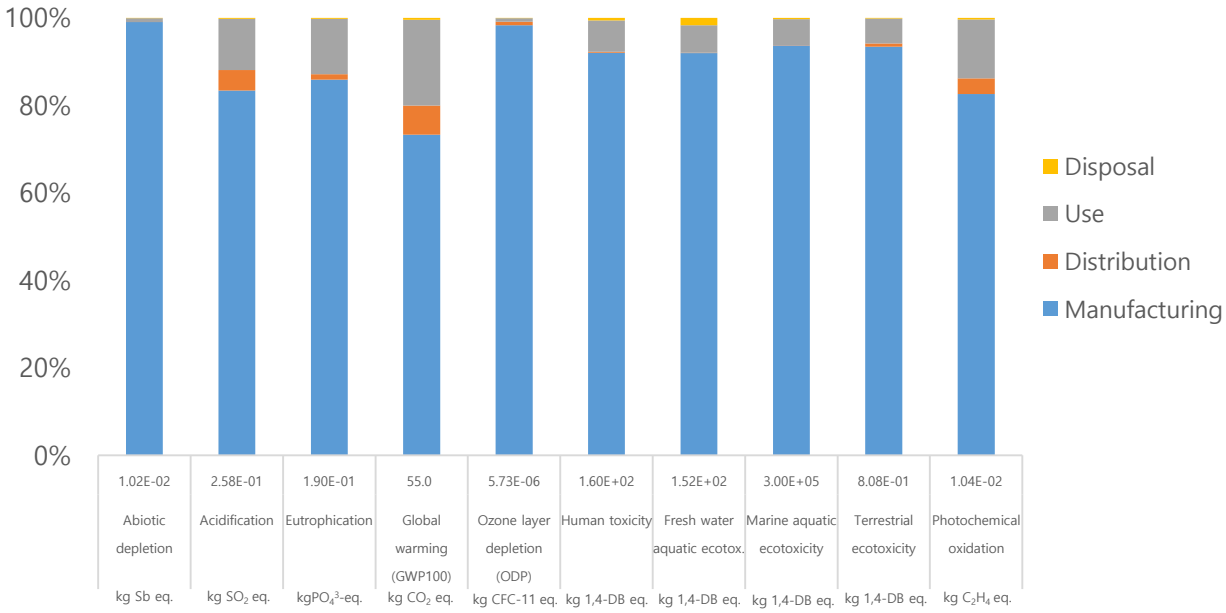
Product Features

Model name	SM-S926U(Galaxy S24+)
Dimension	158.5 x 75.9 x 7.7 mm
Display	OLED 6.7”
Weight	Product&Acc. : 215.42 g Packages : 124.05 g

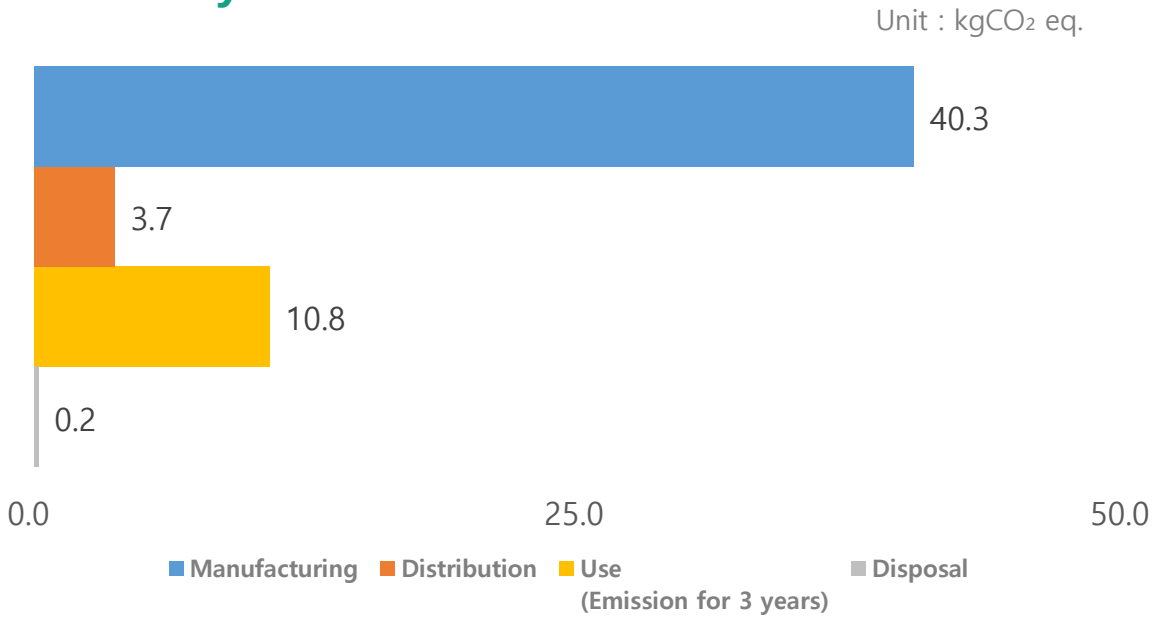
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S24

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

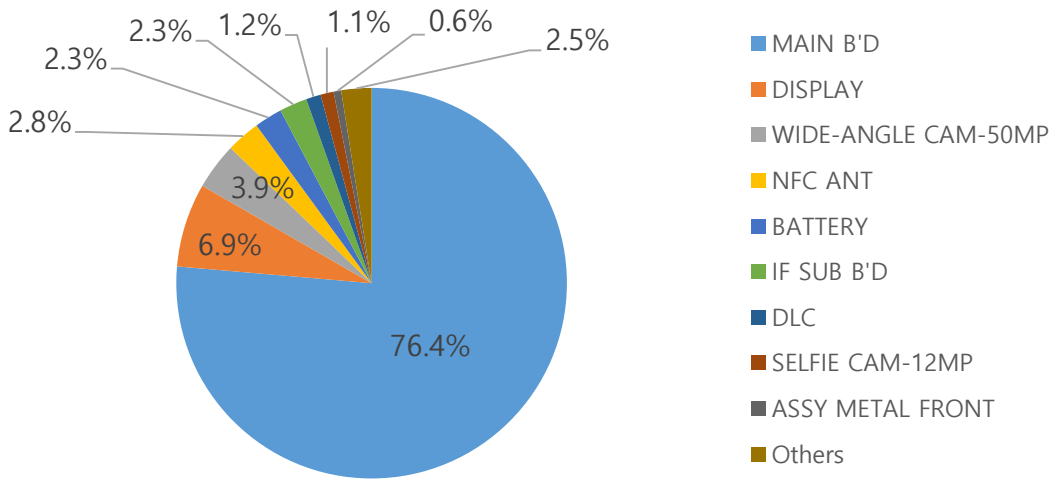
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

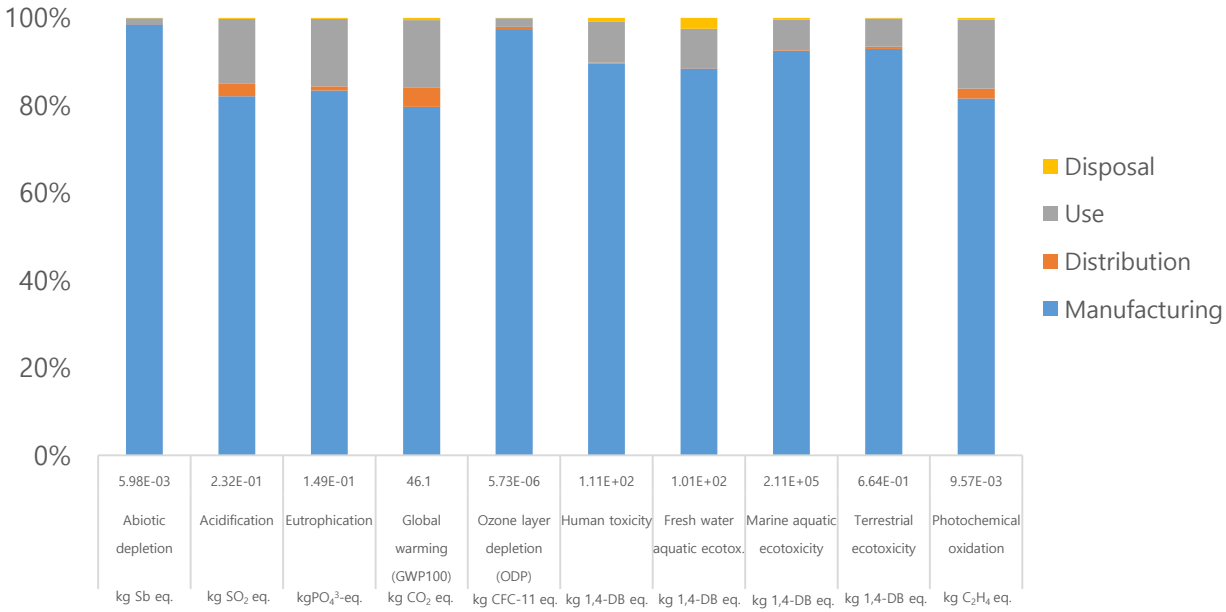
Product Features

Model name	SM-S921B(Galaxy S24)
Dimension	147.0 x 70.6 x 7.6 mm
Display	OLED 6.2”
Weight	Product&Acc. : 186.42 g Packages : 118.64 g

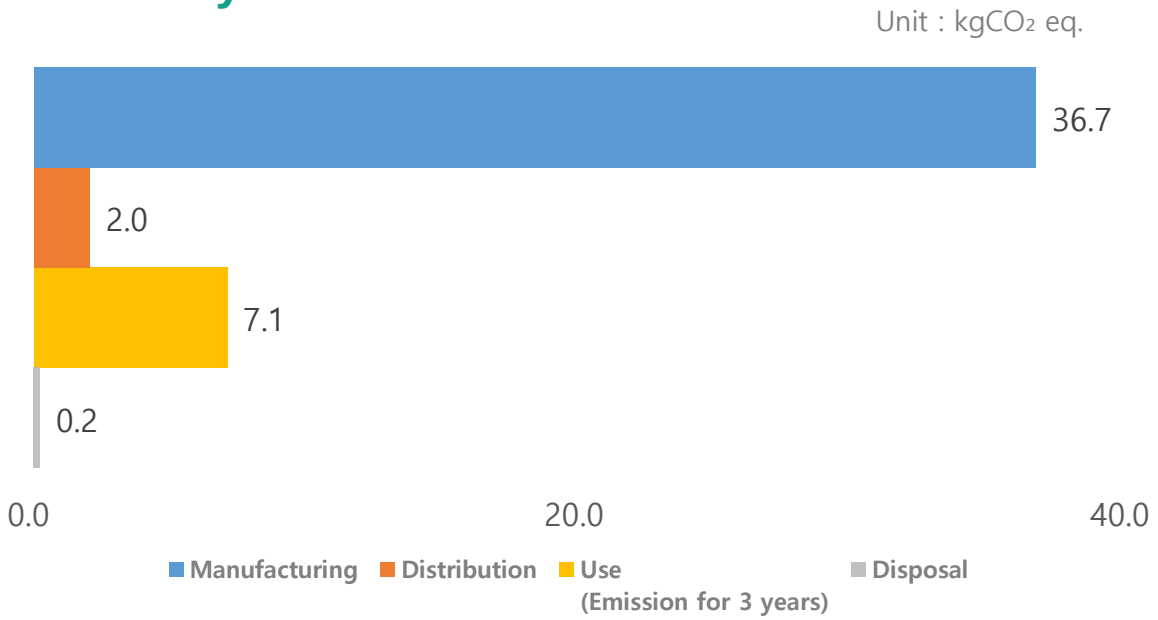
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S24

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

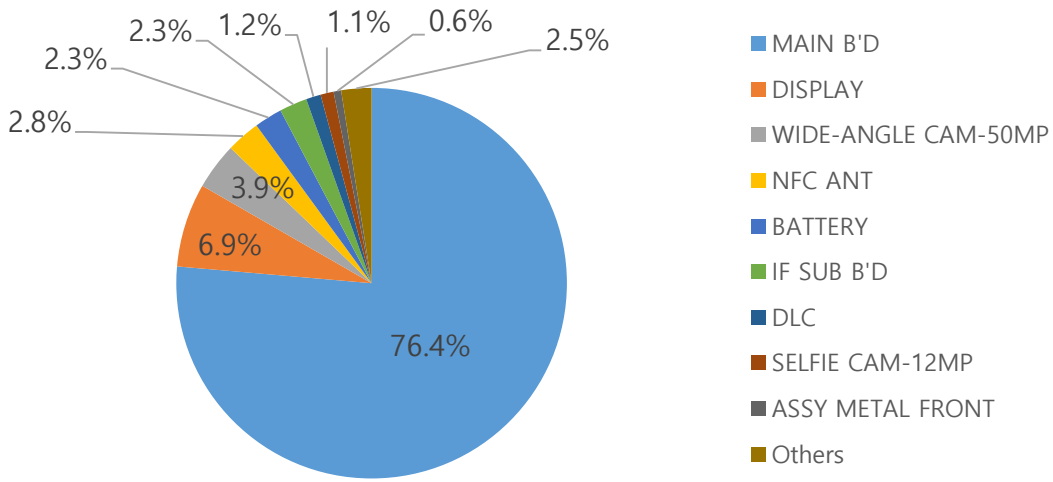
LCA Report Issuance Date : Feb 16, 2024

Webpage Publication Date of Summary of LCA : Feb 16, 2024

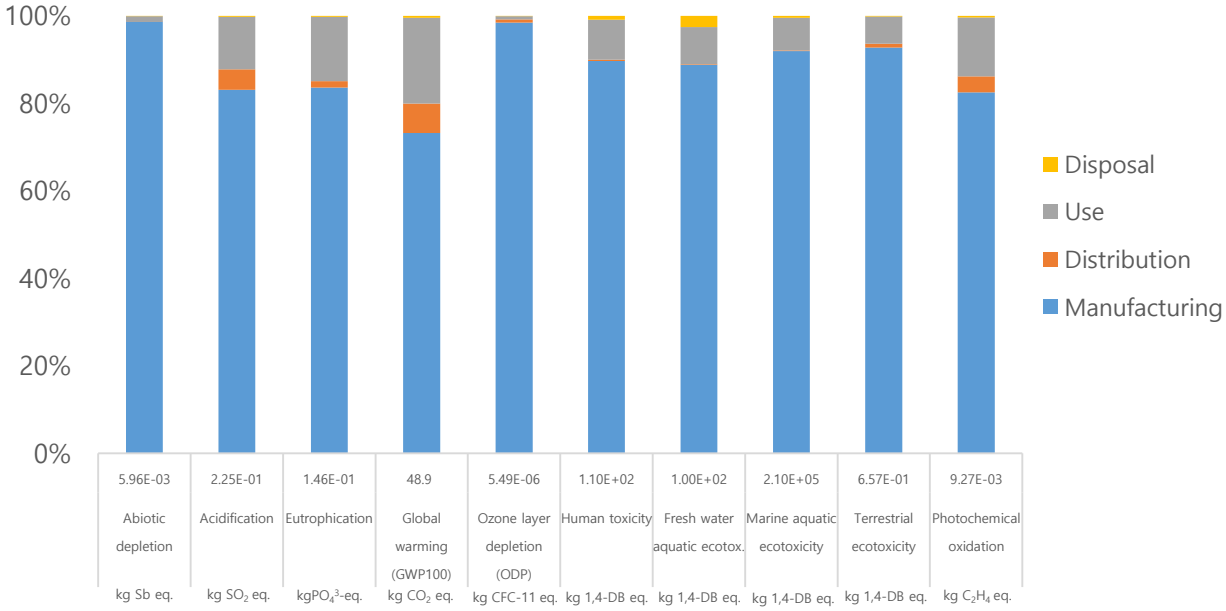
Product Features

Model name	SM-S921U(Galaxy S24)
Dimension	147.0 x 70.6 x 7.6mm
Display	OLED 6.2”
Weight	Product&Acc. : 186.42 g Packages : 118.88 g

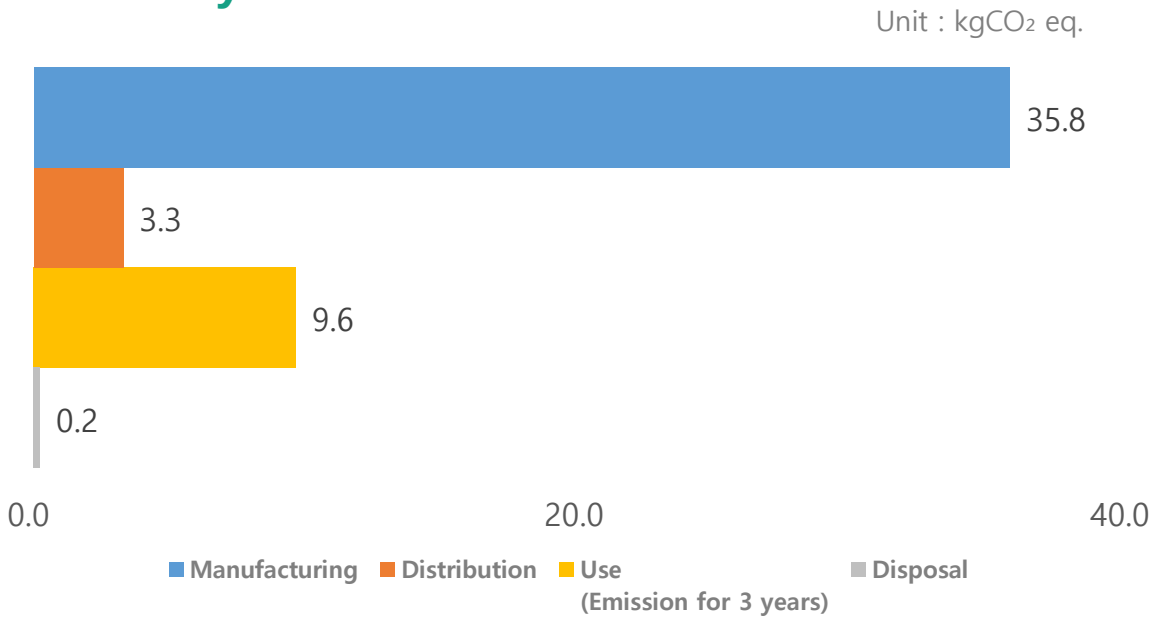
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A25 5G

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

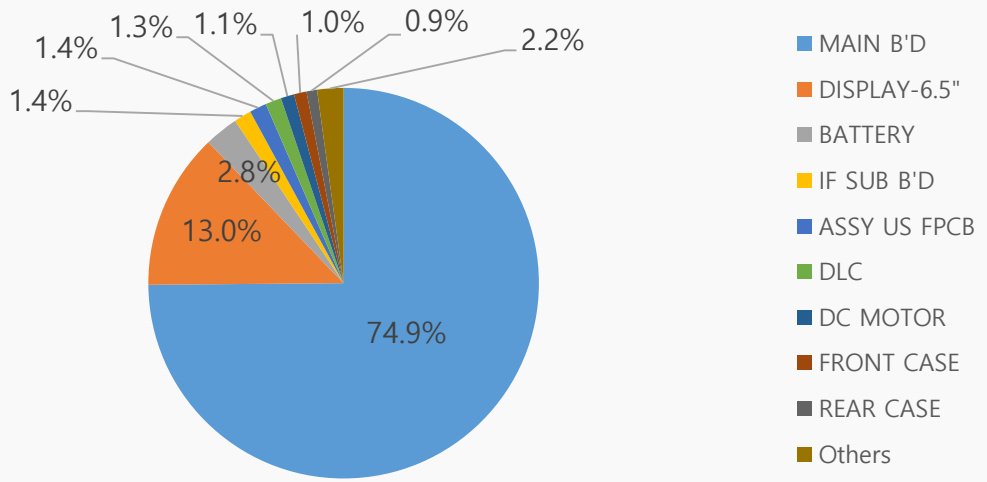
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

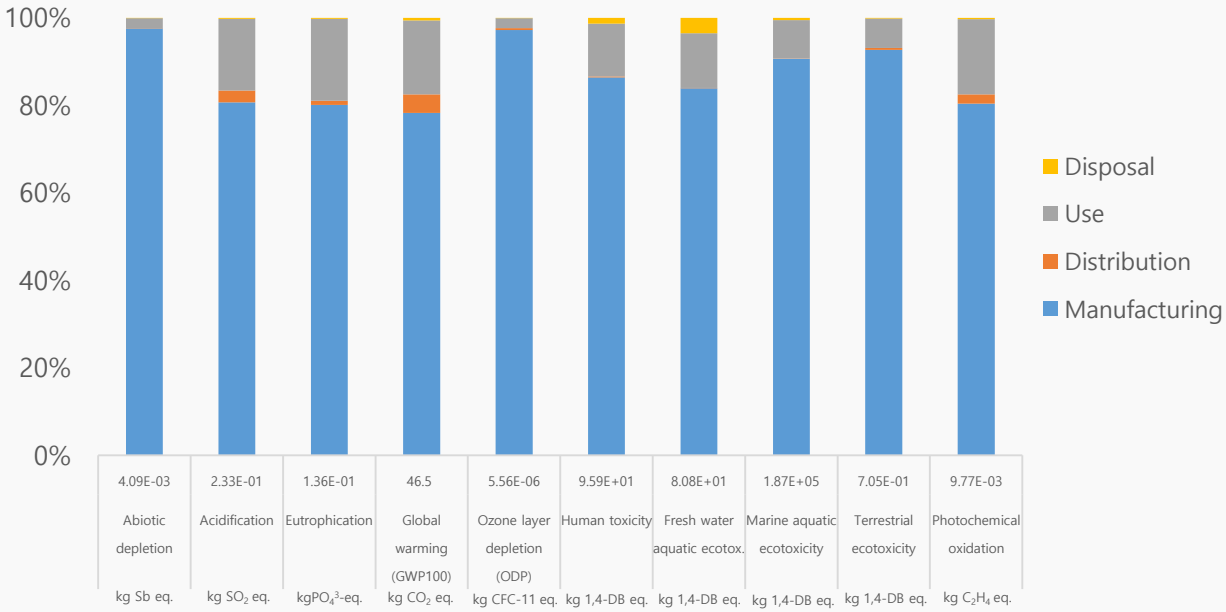
Product Features

Model name	SM-A256B(Galaxy A25 5G)
Dimension	161.0 x 76.5 x 8.3 mm
Display	OLED 6.5”
Weight	Product&Acc. : 216.88 g Packages : 77.29 g

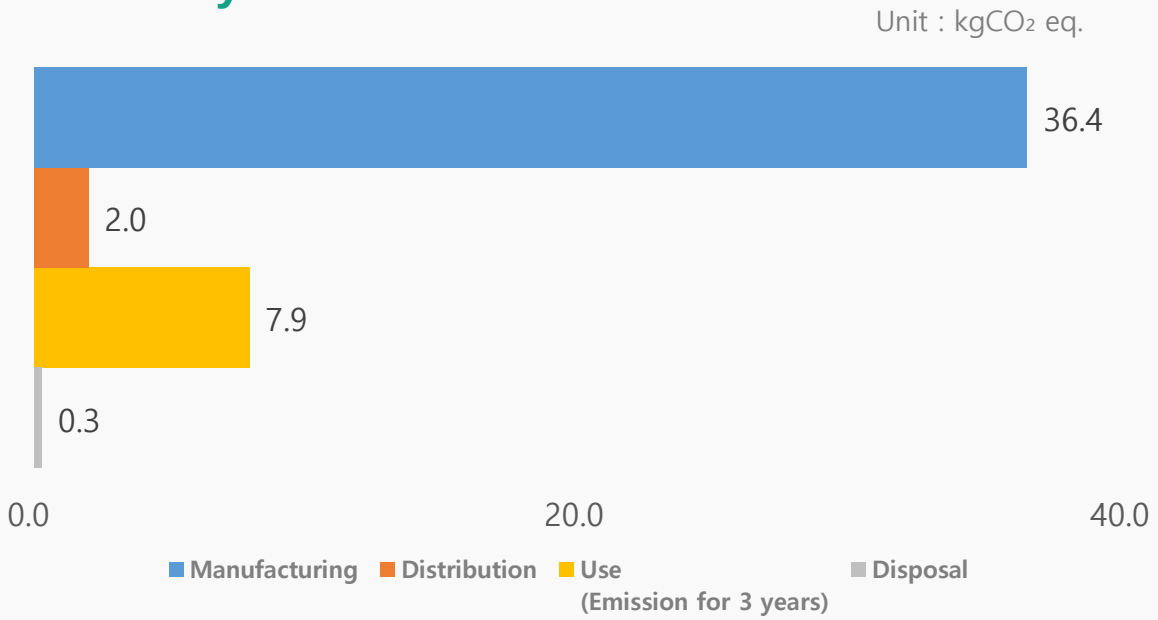
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A25 5G

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

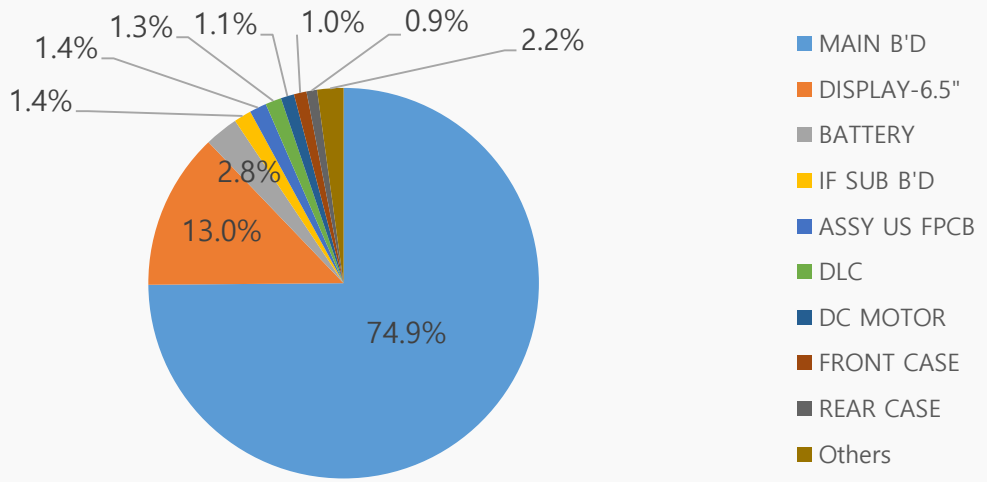
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

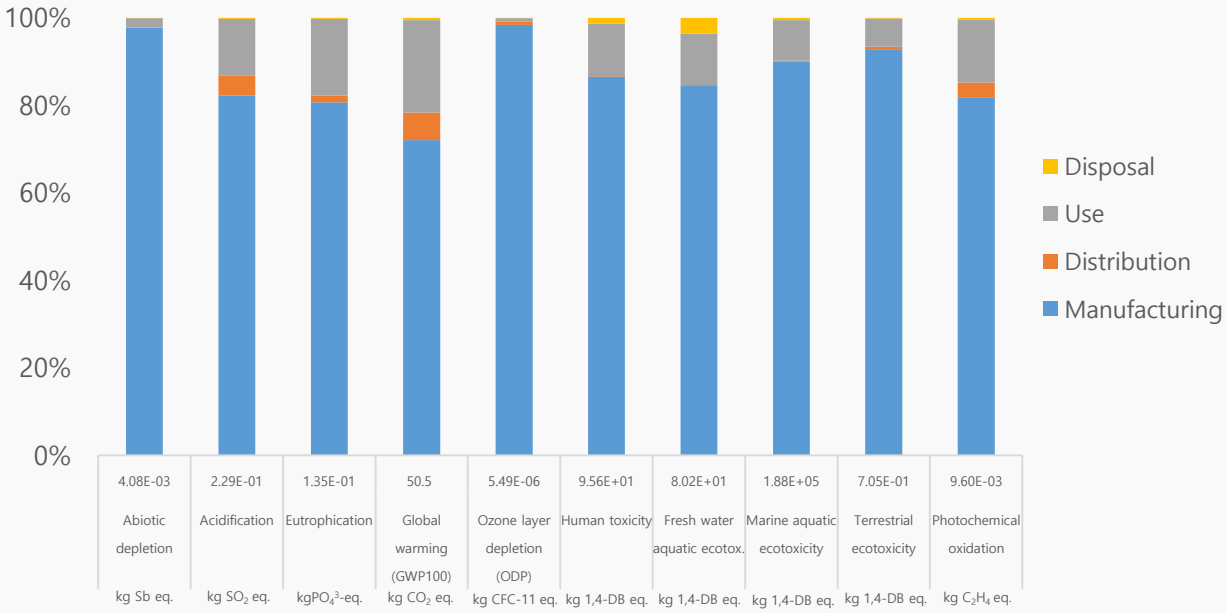
Product Features

Model name	SM-A256U(Galaxy A25 5G)
Dimension	161.0 x 76.5 x 8.3 mm
Display	OLED 6.5”
Weight	Product&Acc. : 216.88 g Packages : 77.29 g

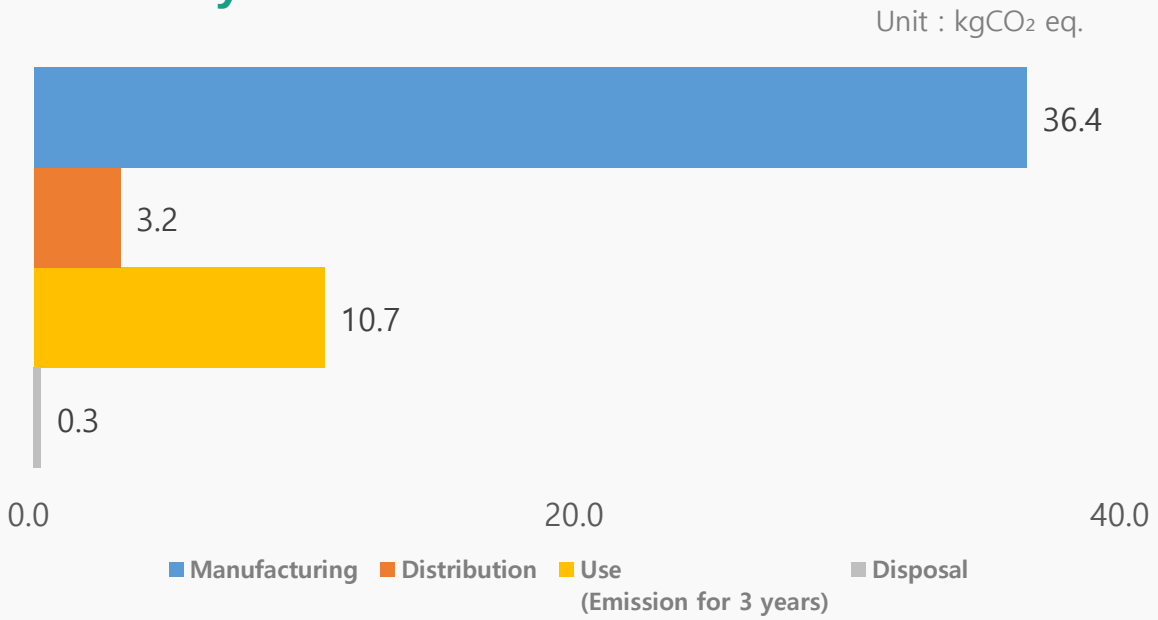
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A15

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Lifecycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

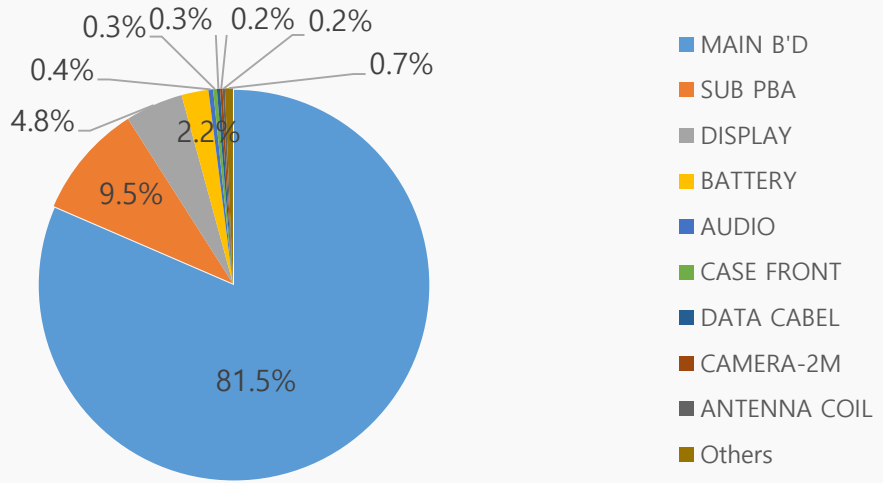
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to SEA
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

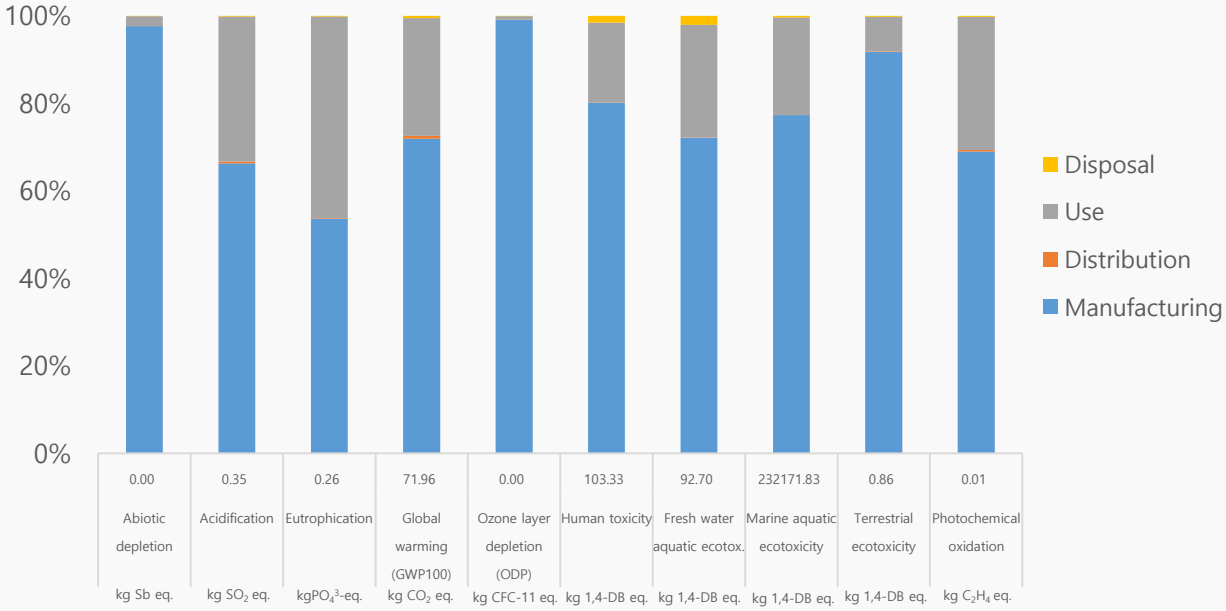
Product Features

Model name	SM-A155E(Galaxy A15)
Dimension	160.1 x 76.8 x 8.4 mm
Display	6.5" AMOLED 2X
Weight	Product&Acc. : 222.06 g Packages : 91.7 g

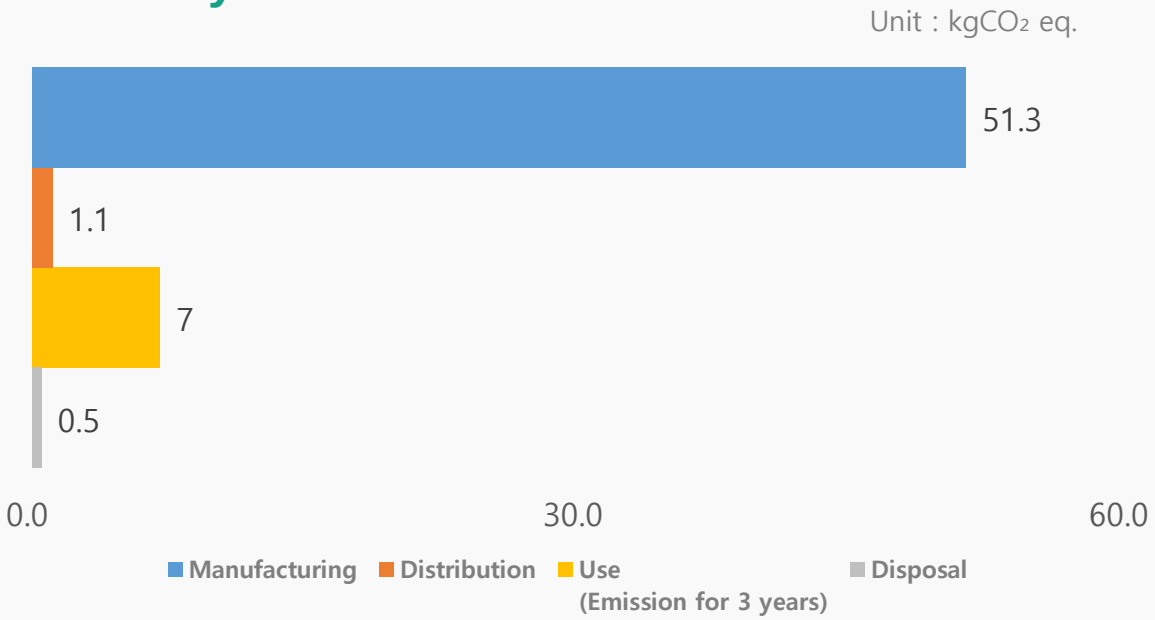
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A15 5G

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Lifecycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

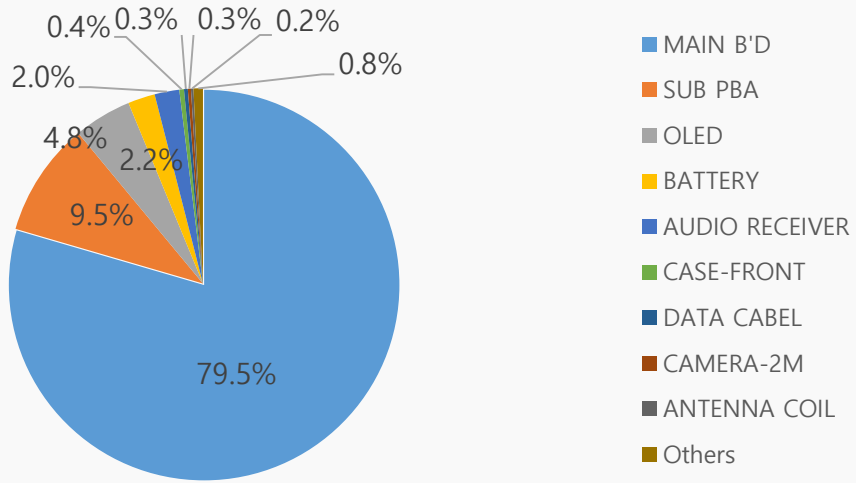
LCA Report Issuance Date : Feb 16, 2024

Webpage Publication Date of Summary of LCA : Feb 16, 2024

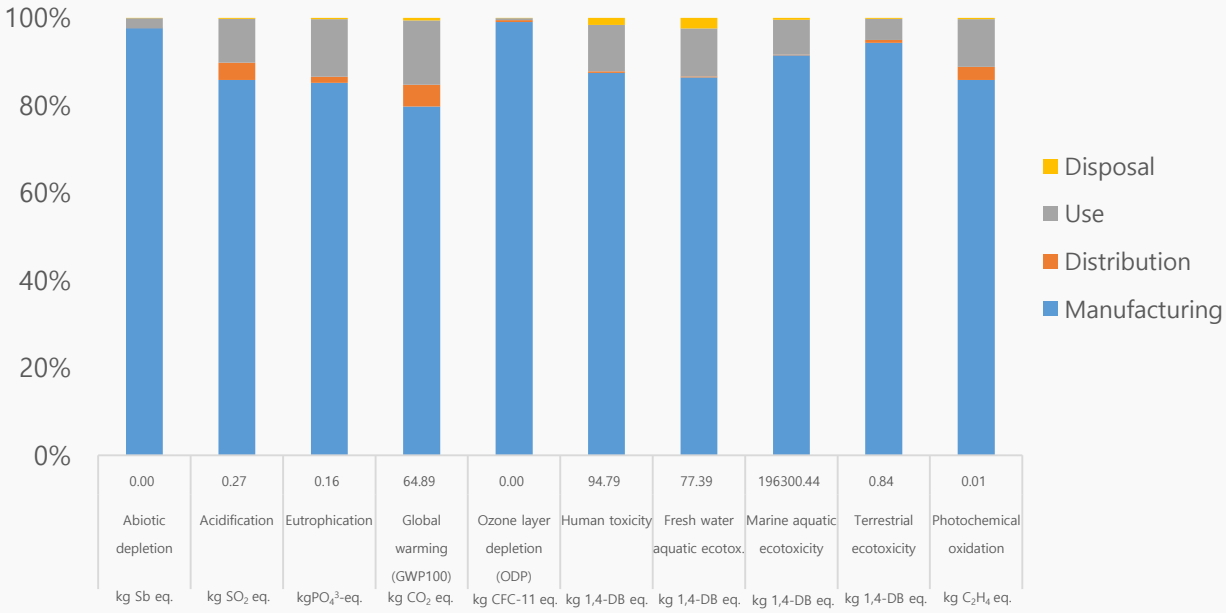
Product Features

Model name	SM-A156U(Galaxy A15 5G)
Dimension	160.1 x 76.8 x 8.4 mm
Display	6.5" AMOLED 2X
Weight	Product&Acc. : 222.06 g Packages : 56.4 g

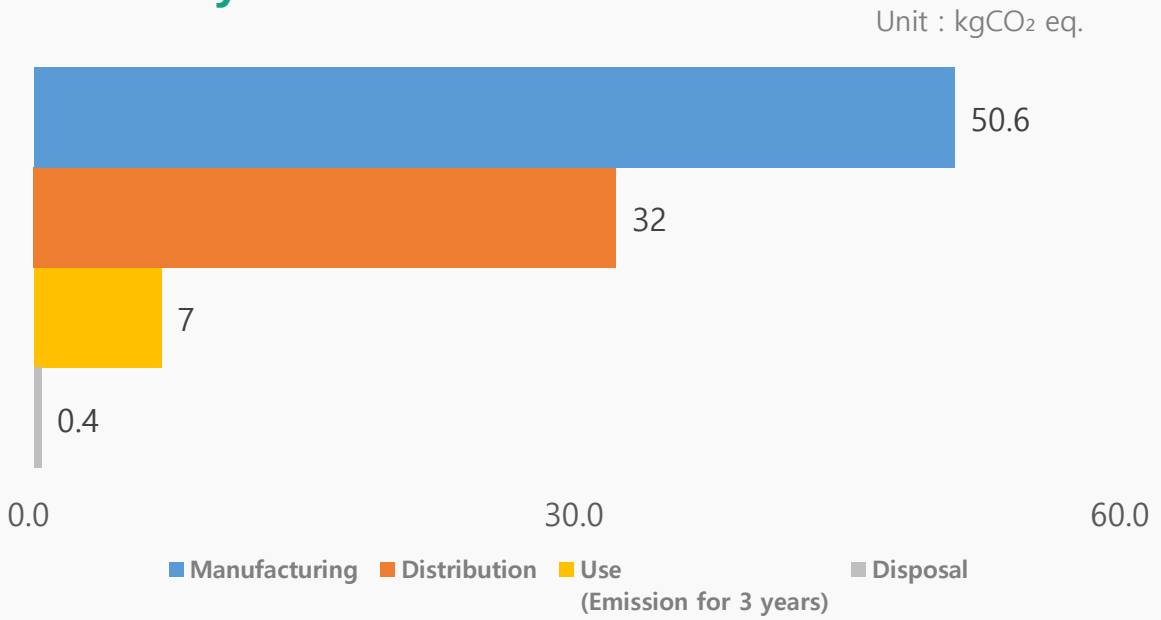
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A15 5G

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Lifecycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

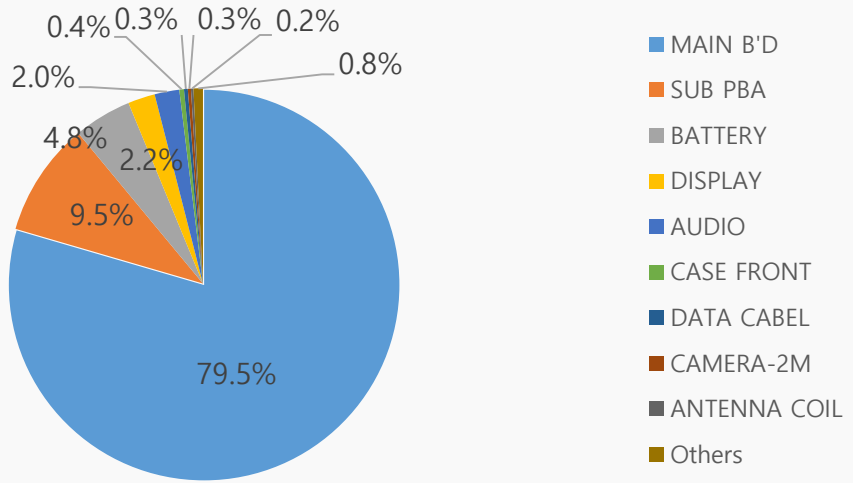
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to SEA
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

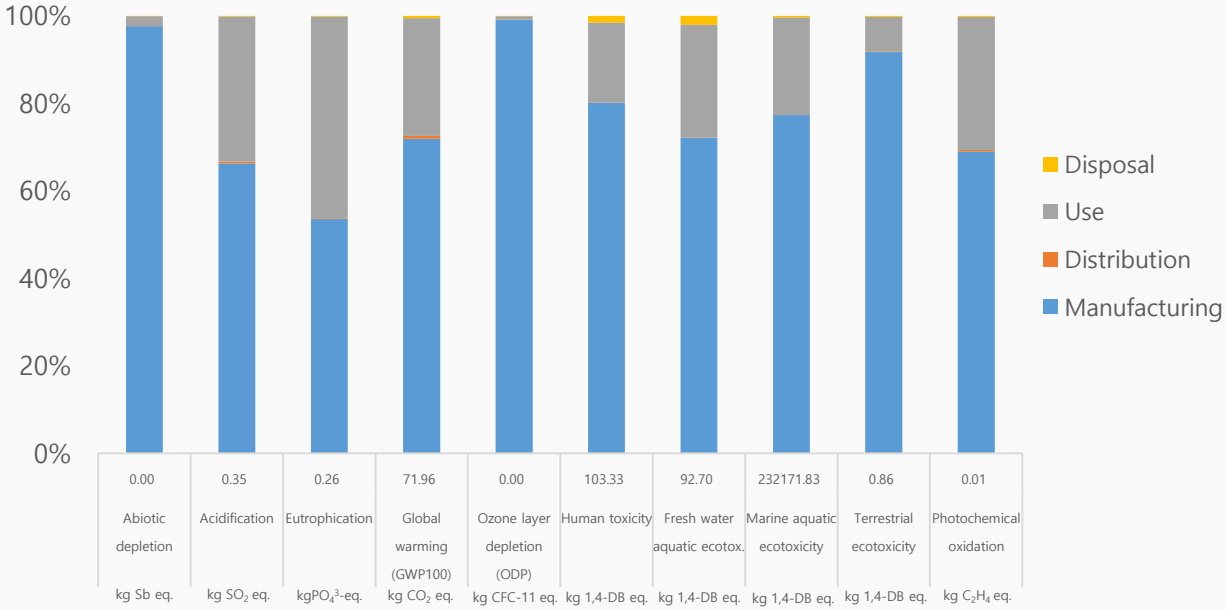
Product Features

Model name	SM-A156E(Galaxy A15 5G)
Dimension	160.1 x 76.8 x 8.4 mm
Display	6.5" AMOLED 2X
Weight	Product&Acc. : 222.06 g Packages : 91.7 g

Global Warming Impact Profile

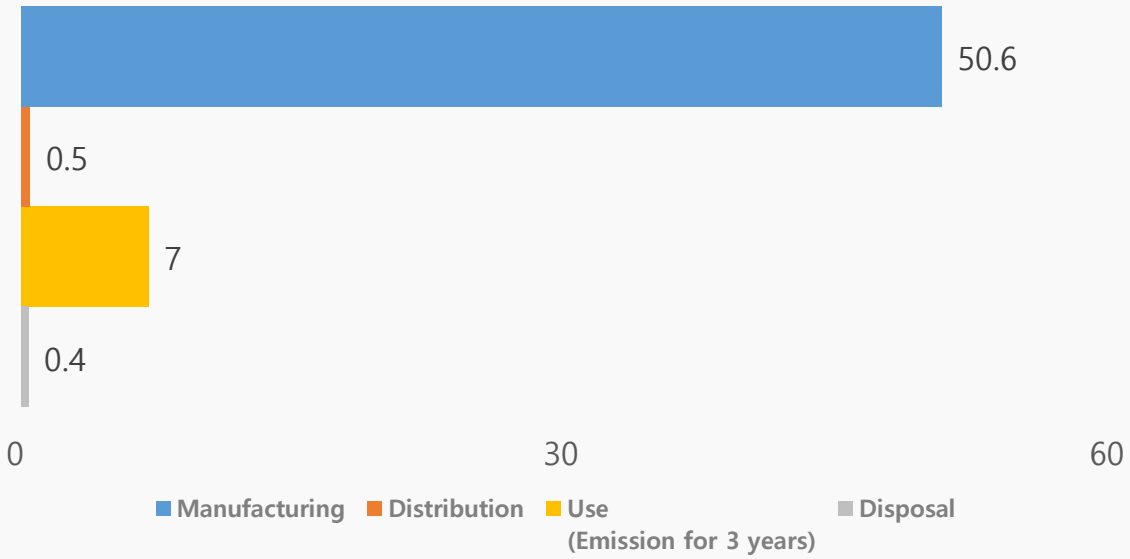


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy M34 5G

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

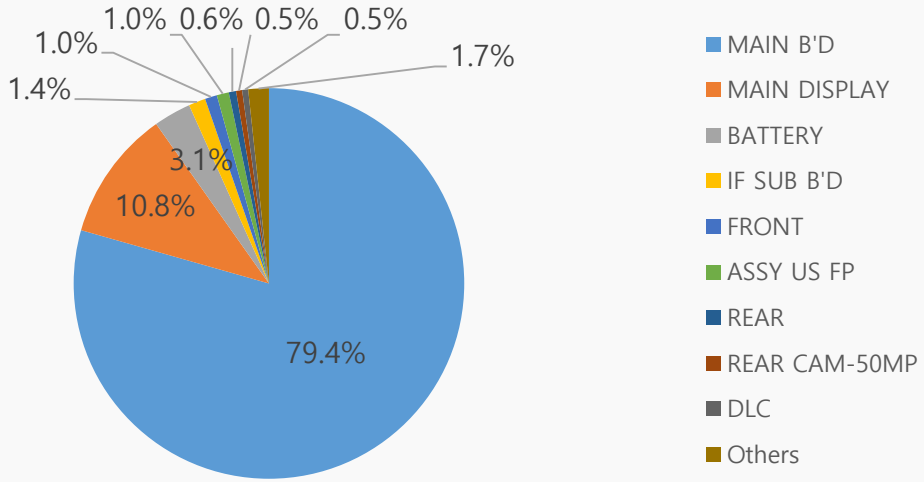
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From India to India
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

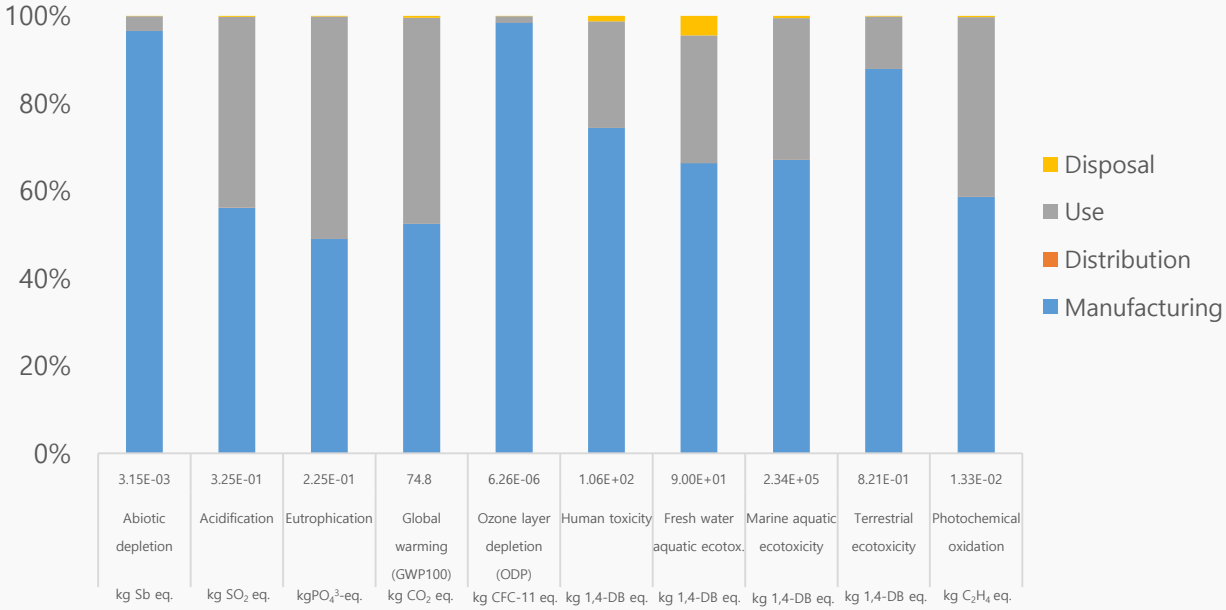
Product Features

Model name	SM-M346B(Galaxy M34 5G)
Dimension	161.7 x 77.2 x 8.8 mm
Display	OLED 6.5”
Weight	Product&Acc. : 229.16 g Packages : 96.92g

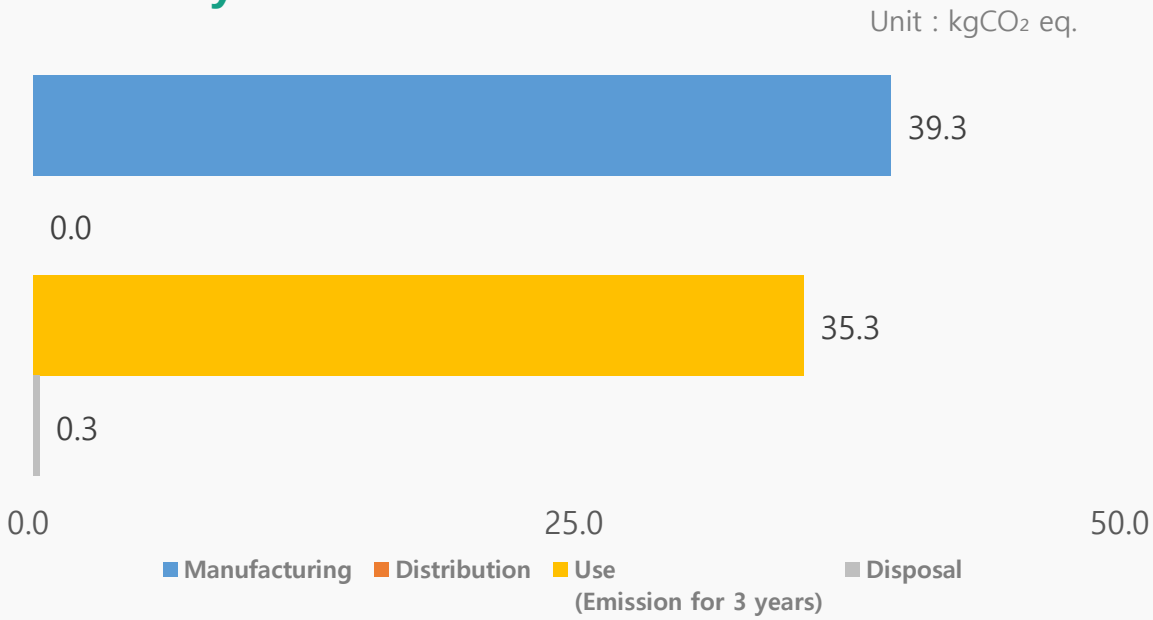
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy M44 5G

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

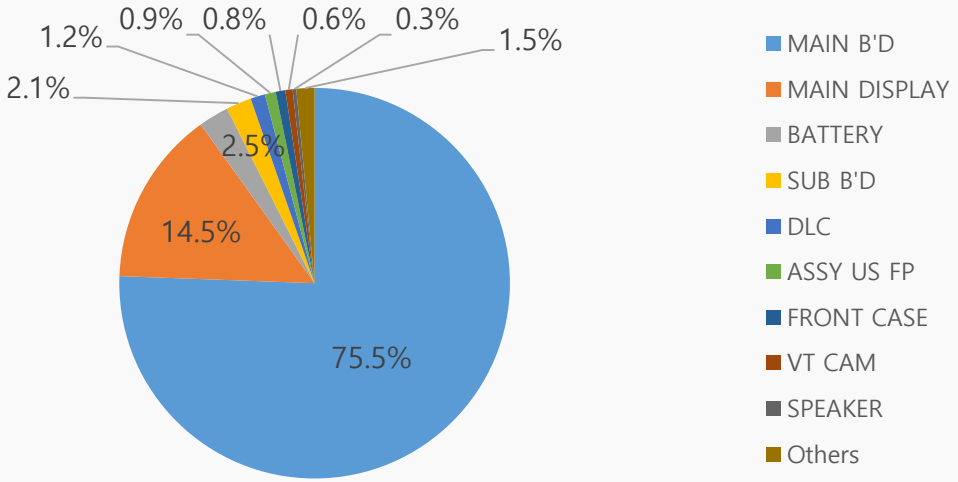
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to KOR
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

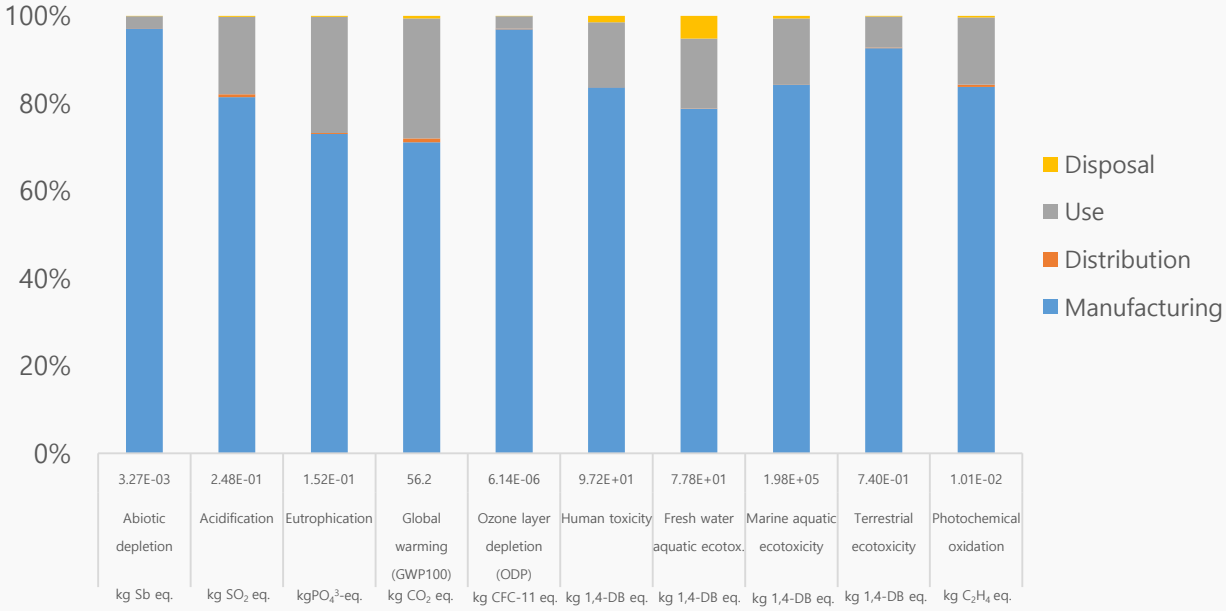
Product Features

Model name	SM-M446K(Galaxy M44 5G)
Dimension	167.7 x 78.0 x 9.1 mm
Display	FHD+ 6.6”
Weight	Product&Acc. : 235.95 g Packages : 102.19 g

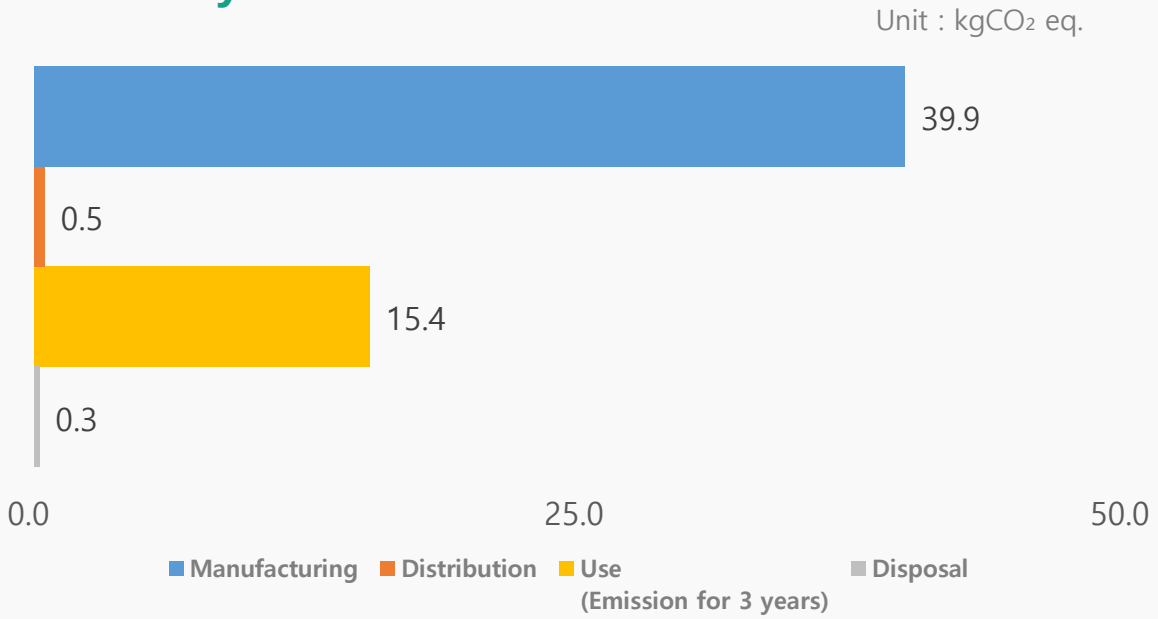
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S23 FE

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

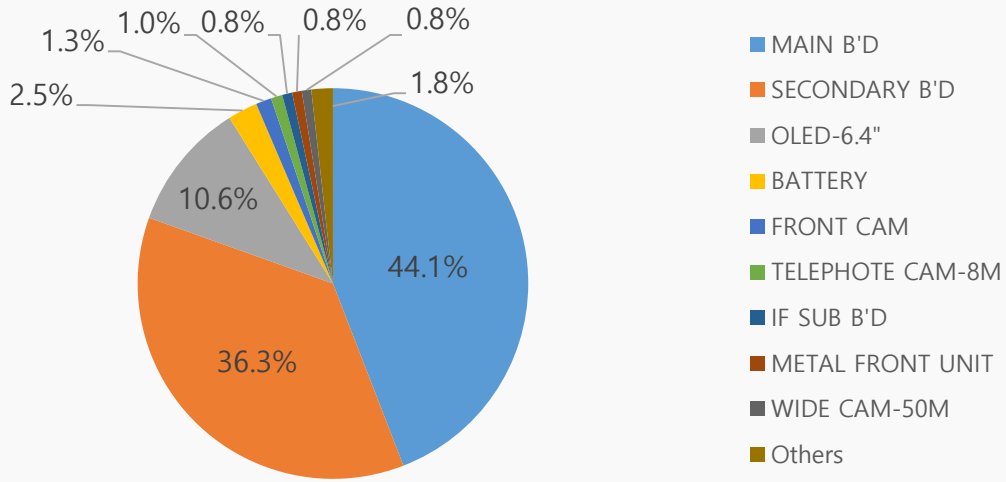
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

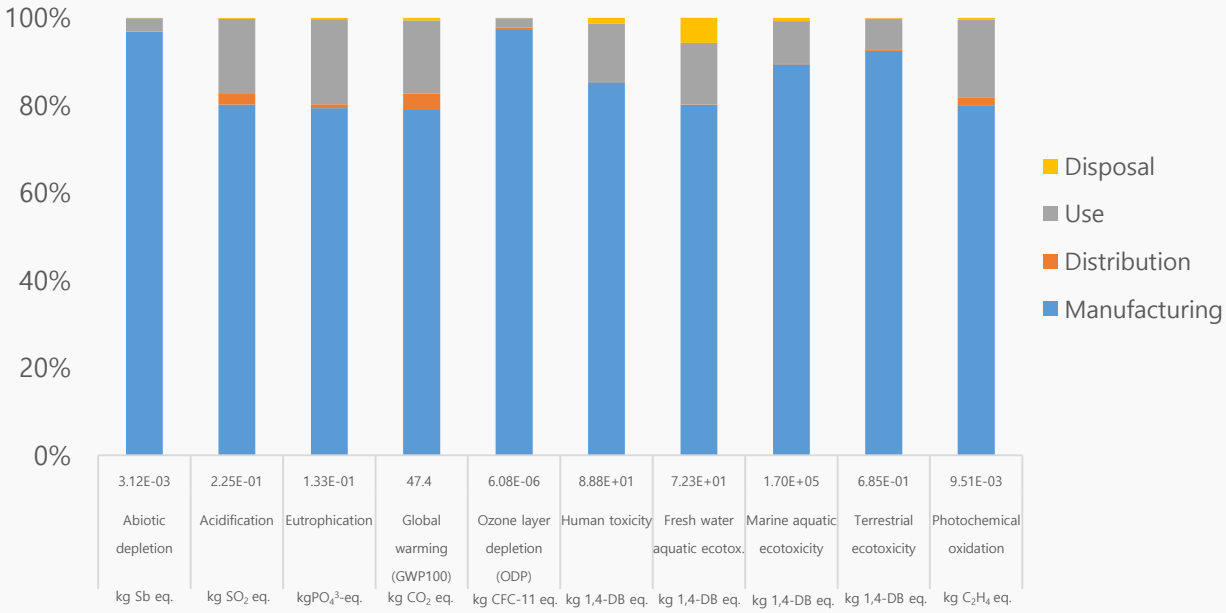
Product Features

Model name	SM-S711B(Galaxy S23 FE)
Dimension	158.0 x 76.5 x 8.2 mm
Display	OLED 6.4”
Weight	Product&Acc. : 228.99 g Packages : 116.54 g

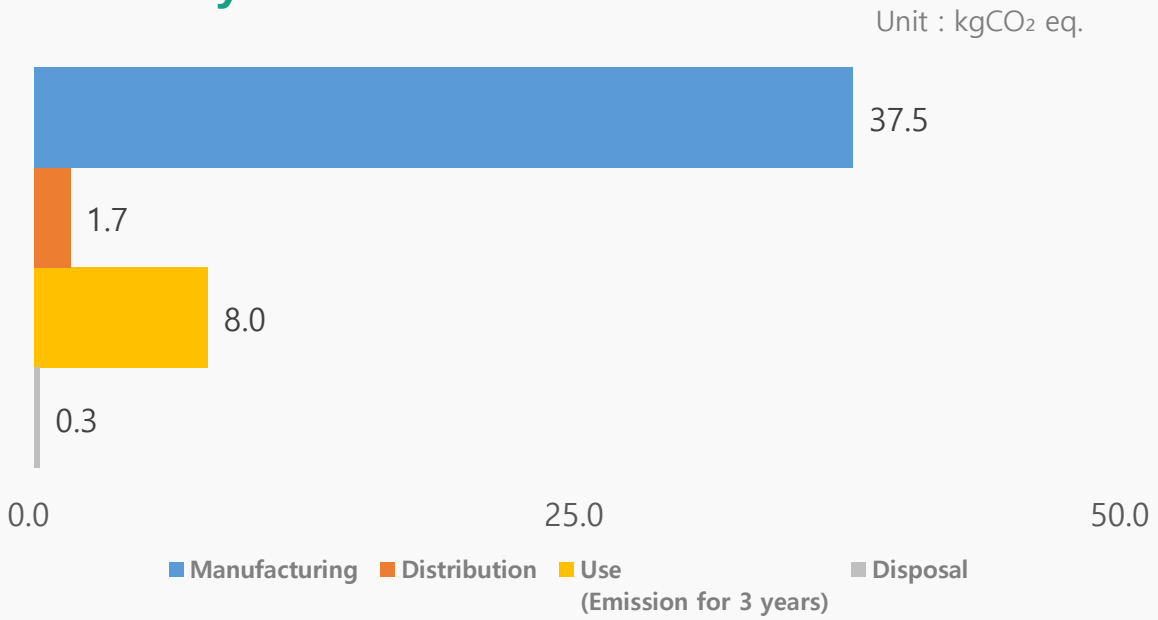
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy S23 FE

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

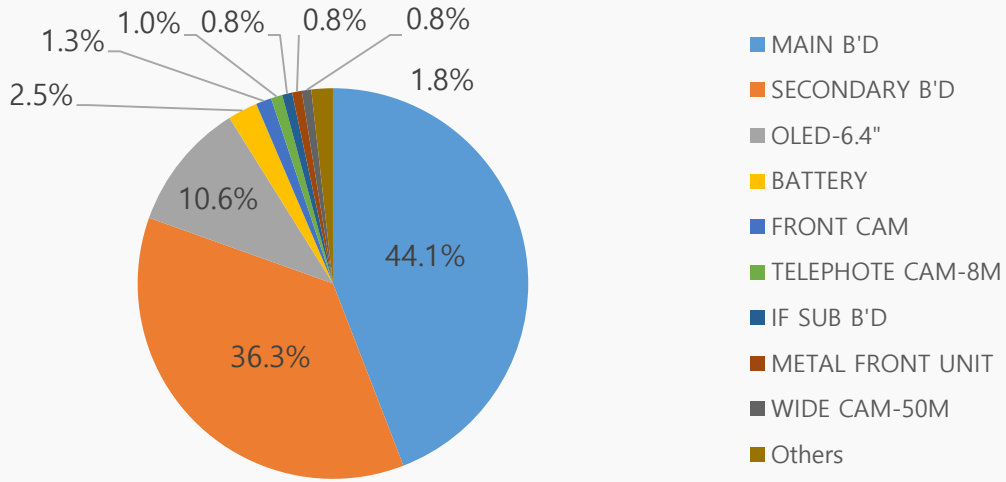
LCA Report Issuance Date : Nov 30, 2023

Webpage Publication Date of Summary of LCA : Nov 30, 2023

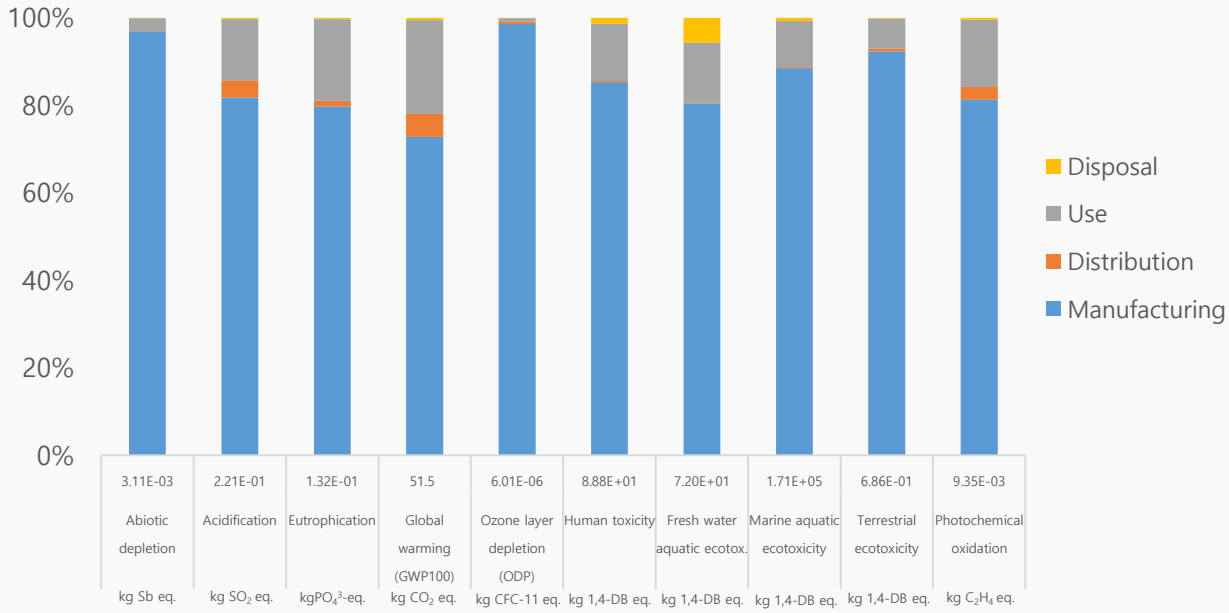
Product Features

Model name	SM-S711U(Galaxy S23 FE)
Dimension	158.0 x 76.5 x 8.2mm
Display	OLED 6.4”
Weight	Product&Acc. : 228.99 g Packages : 116.54 g

Global Warming Impact Profile

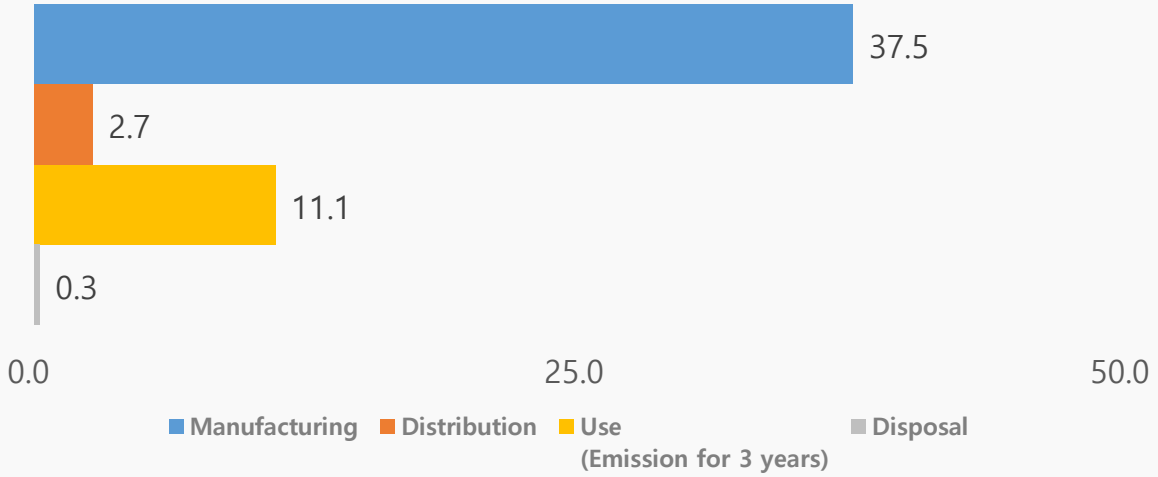


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy Z Flip5

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

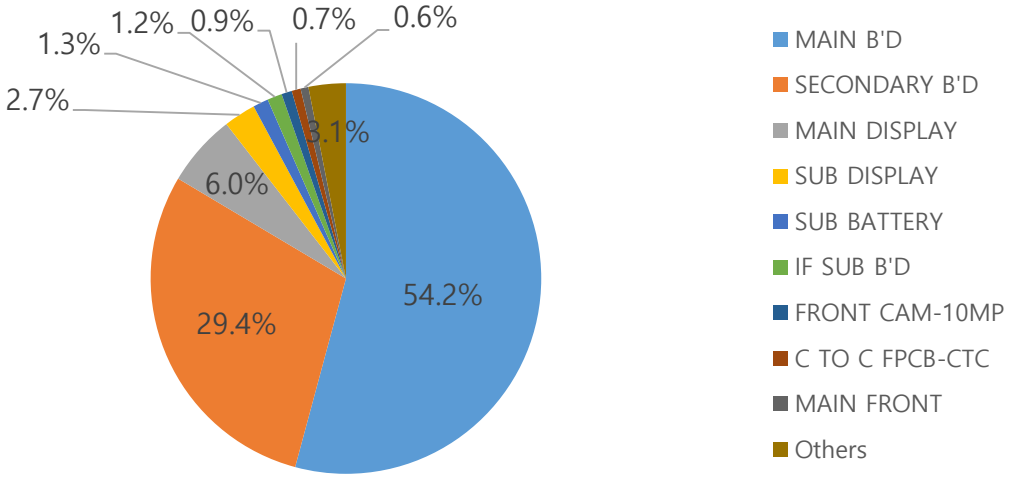
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam and KOR to EU
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

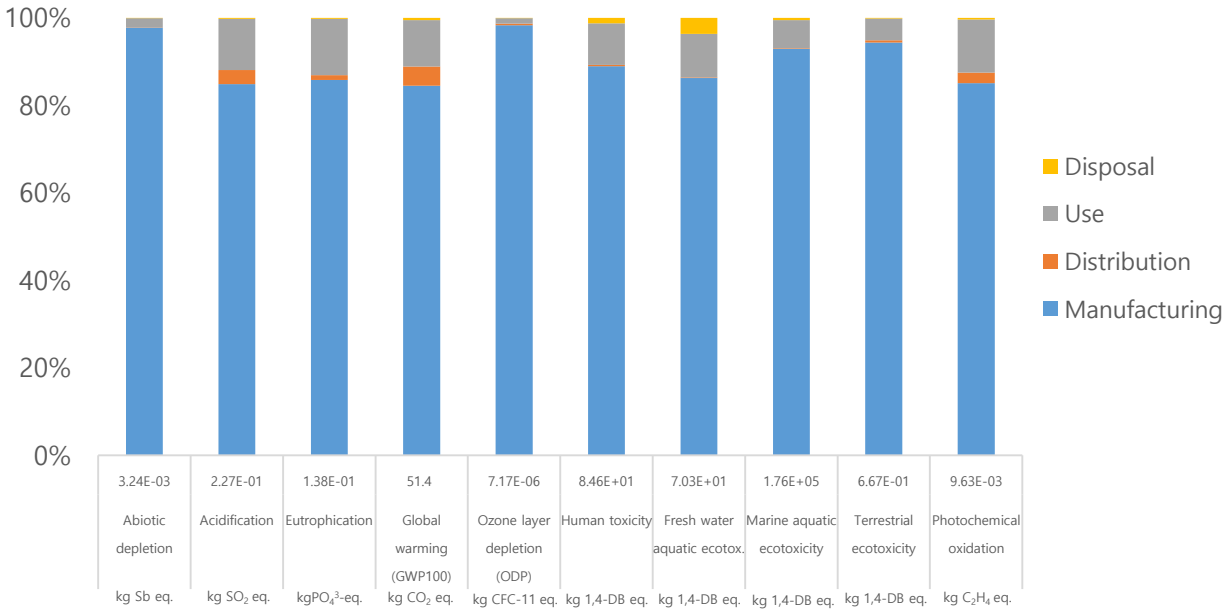
Product Features

Model name	SM-F731B(Galaxy Z Flip5)
Dimension	165.1 x 71.9 x 6.9 mm
Display	OLED 6.7” / 3.4”
Weight	Product&Acc. : 206.99 g Packages : 126.60 g

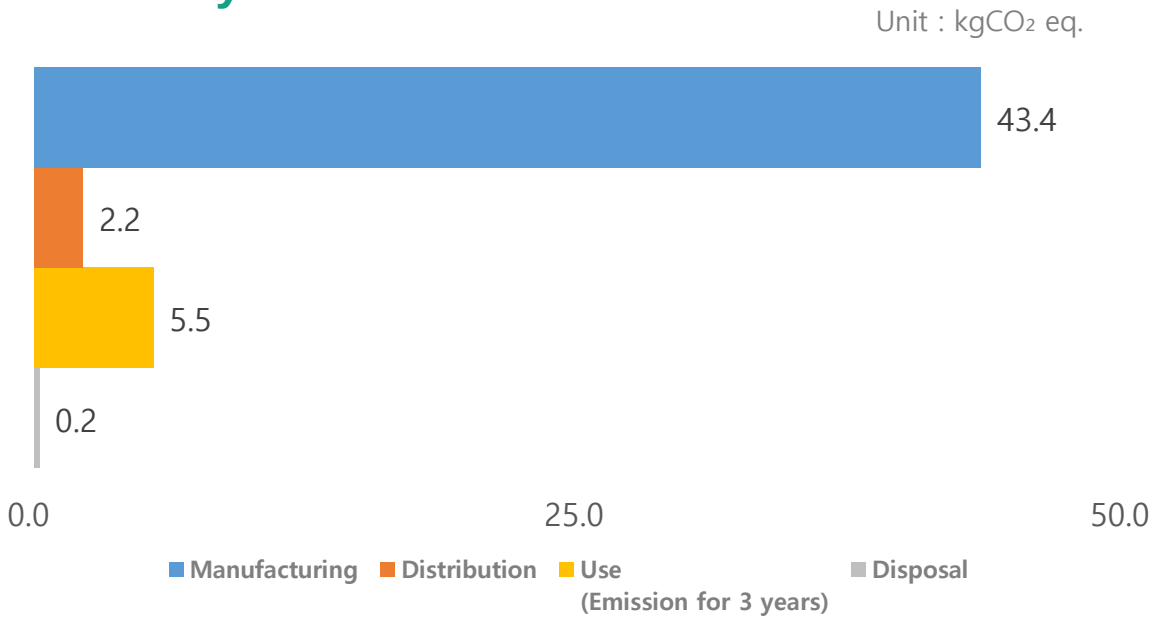
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy Z Flip5

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam and KOR to US
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

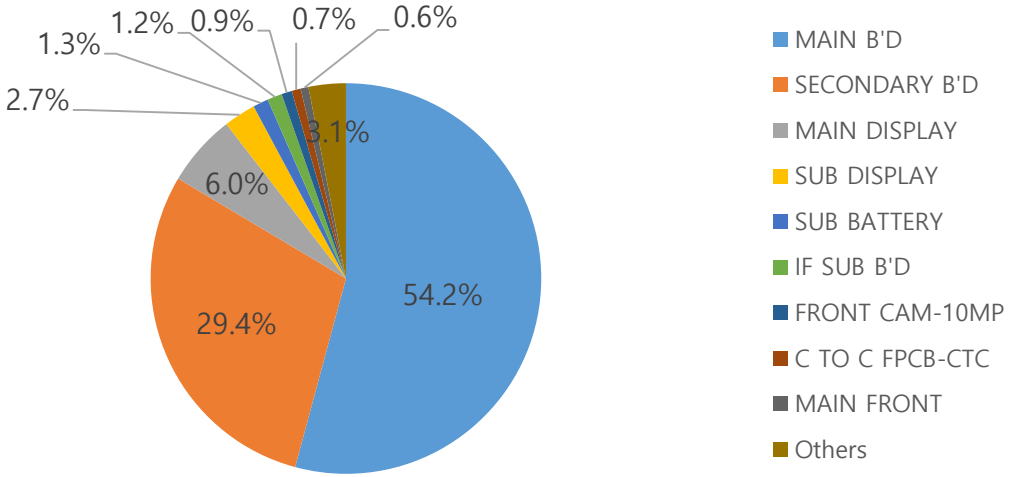
LCA Report Issuance Date : Sep 30, 2023

Webpage Publication Date of Summary of LCA : Sep 30, 2023

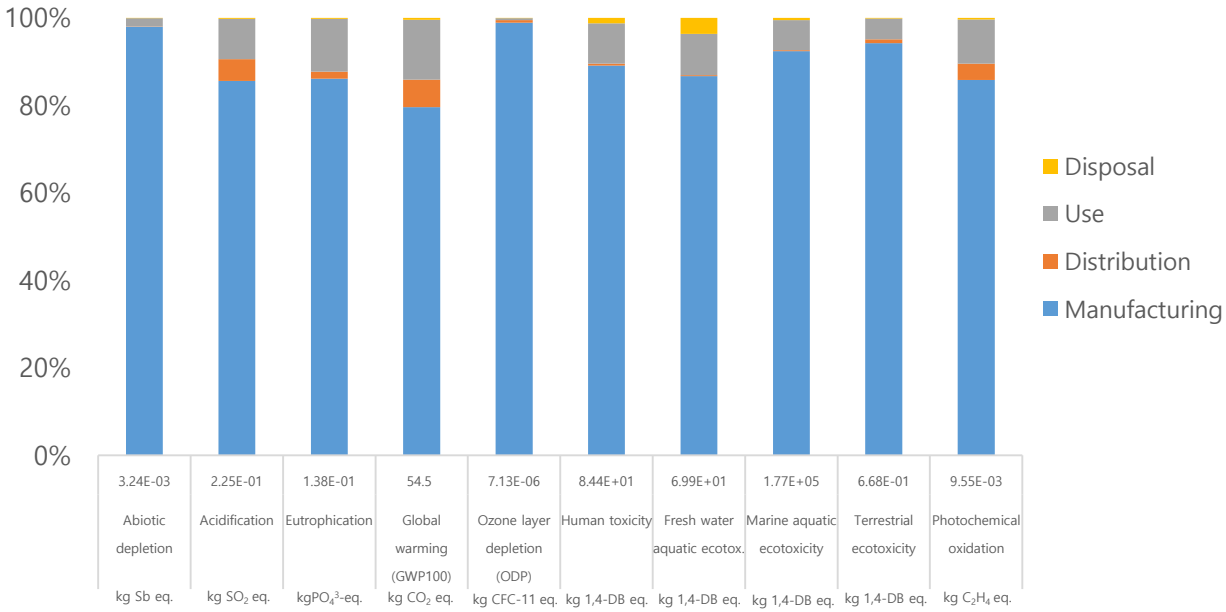
Product Features

Model name	SM-F731U(Galaxy Z Flip5)
Dimension	165.1 x 71.9 x 6.9 mm
Display	OLED 6.7” / 3.4”
Weight	Product&Acc. : 206.99 g Packages : 126.60 g

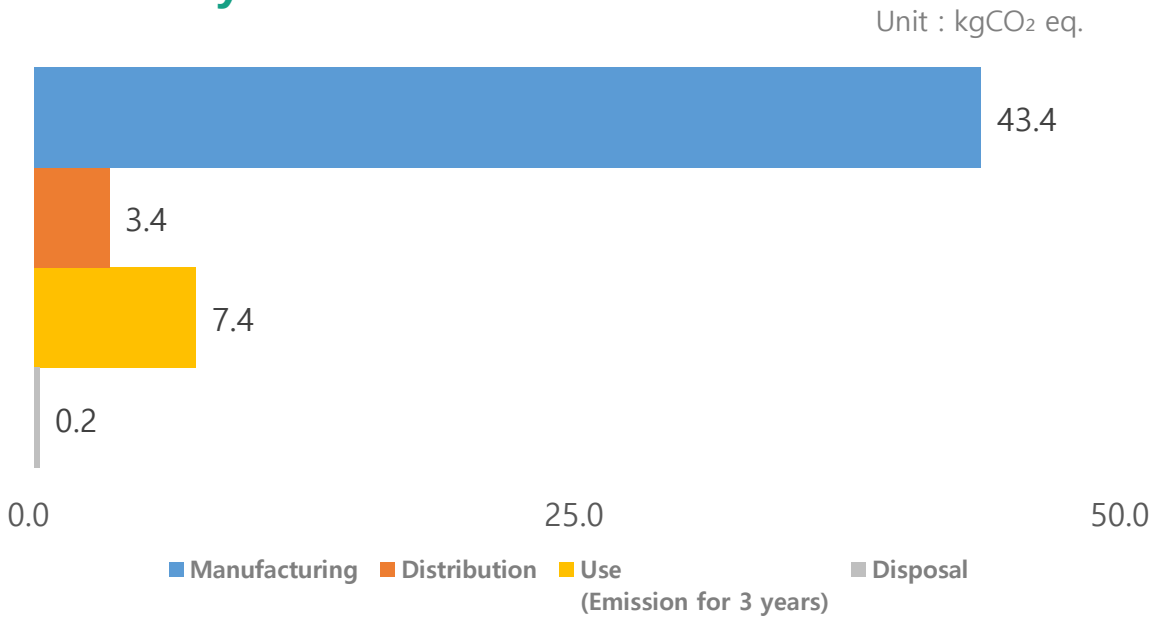
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy Z Fold5

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

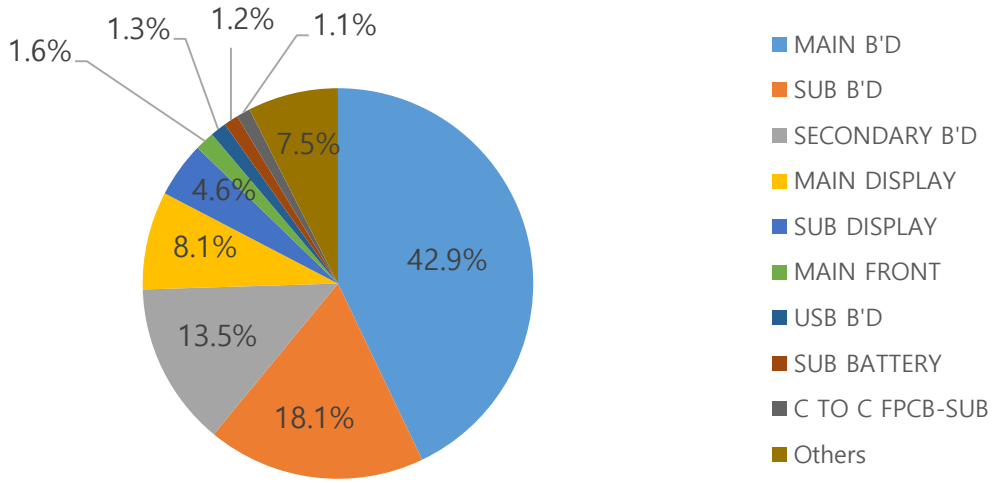
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam and KOR to EU
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

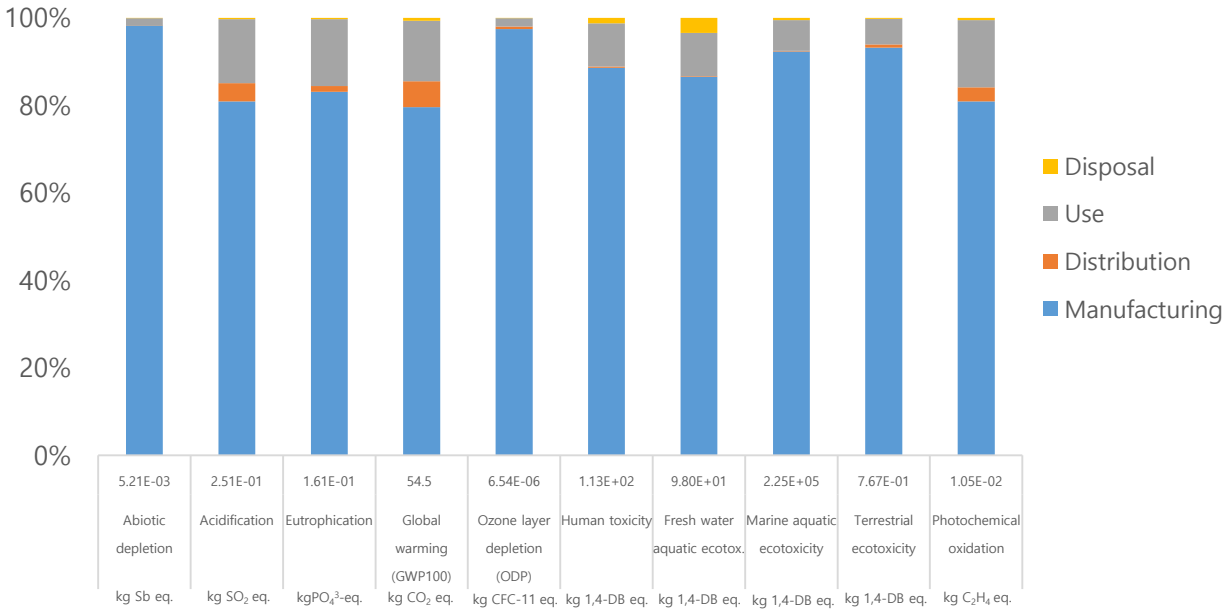
Product Features

Model name	SM-F946B(Galaxy Z Fold5)
Dimension	154.9 x 129.9 x 6.1 mm
Display	OLED 7.6” / 6.2”
Weight	Product&Acc. : 272.99 g Packages : 206.99 g

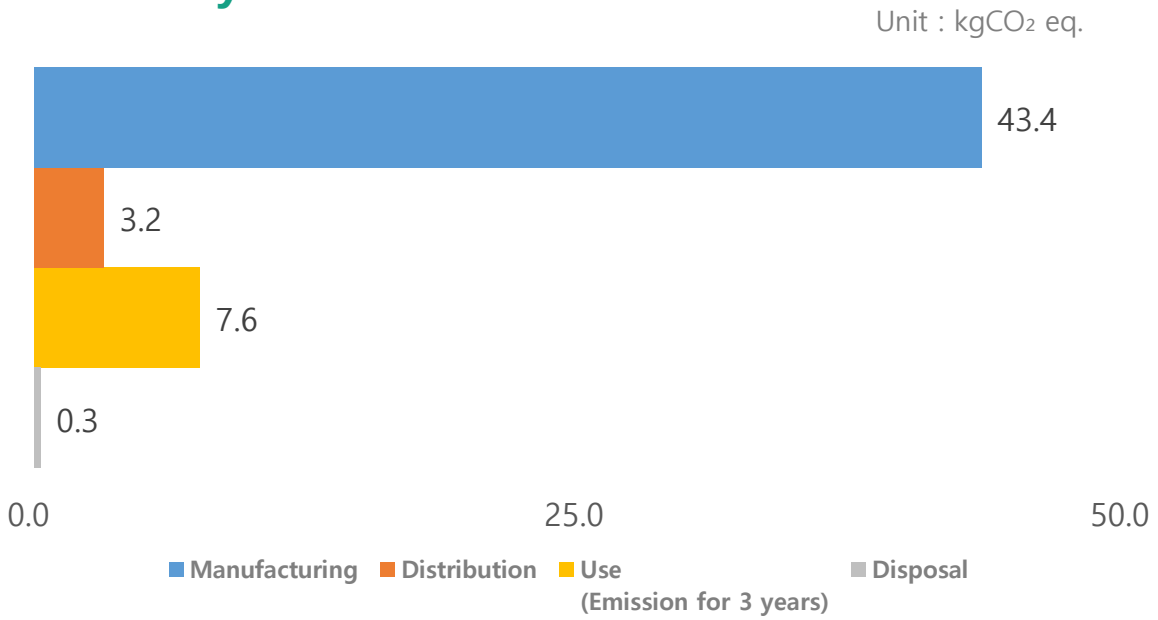
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy Z Fold5

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.5.0.0 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.9.1
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.09 / the Netherlands, 1997 as provided in the SimaPro 9.5.0.0 LCA tool
LCA software	SimaPro 9.5.0.0

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam and KOR to US
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

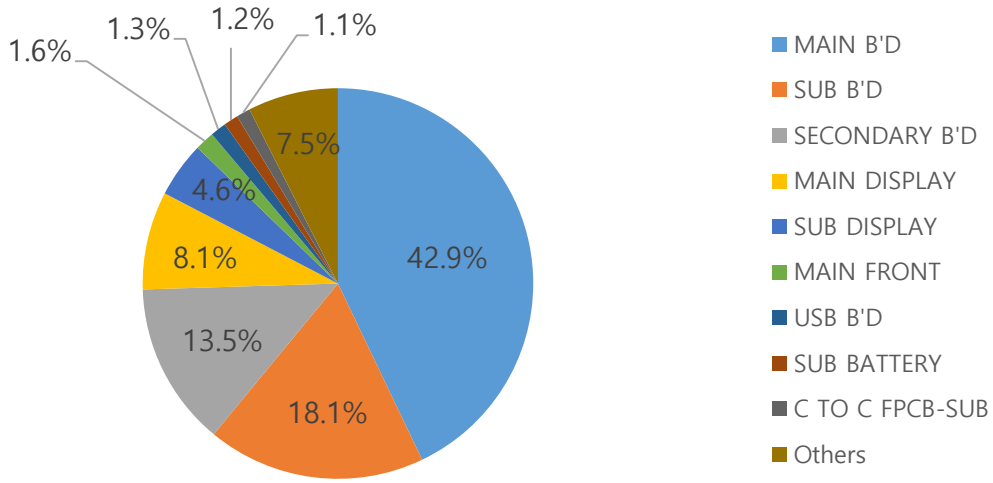
LCA Report Issuance Date : Sep 30, 2023

Webpage Publication Date of Summary of LCA : Sep 30, 2023

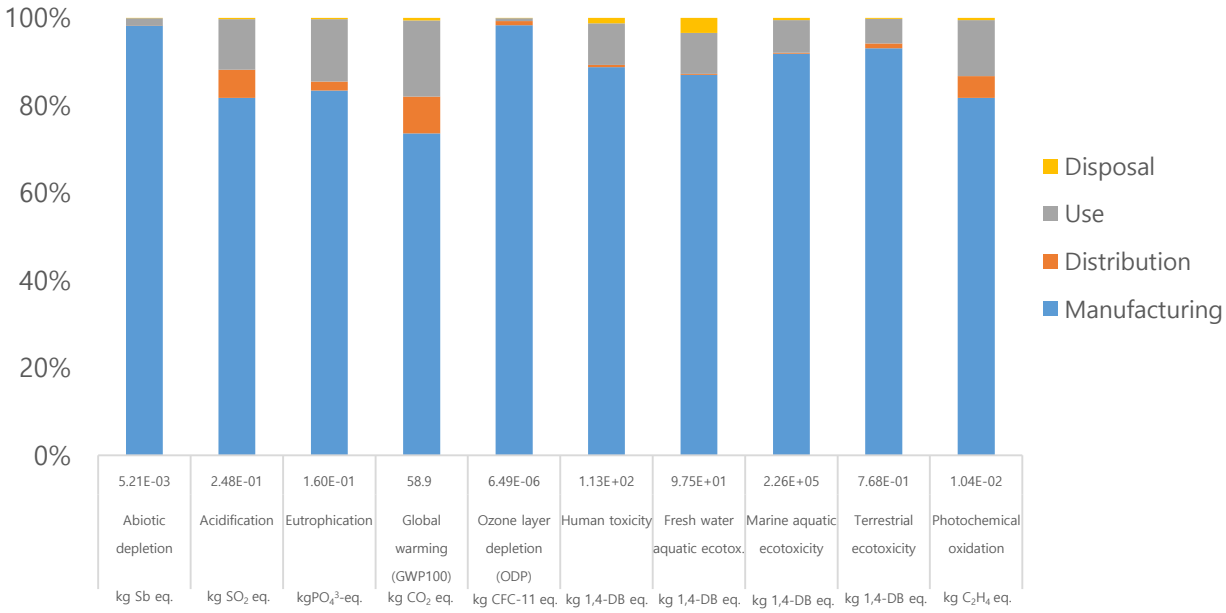
Product Features

Model name	SM-F946U(Galaxy Z Fold5)
Dimension	154.9 x 129.9 x 6.1 mm
Display	OLED 7.6” / 6.2”
Weight	Product&Acc. : 272.99 g Packages : 206.99 g

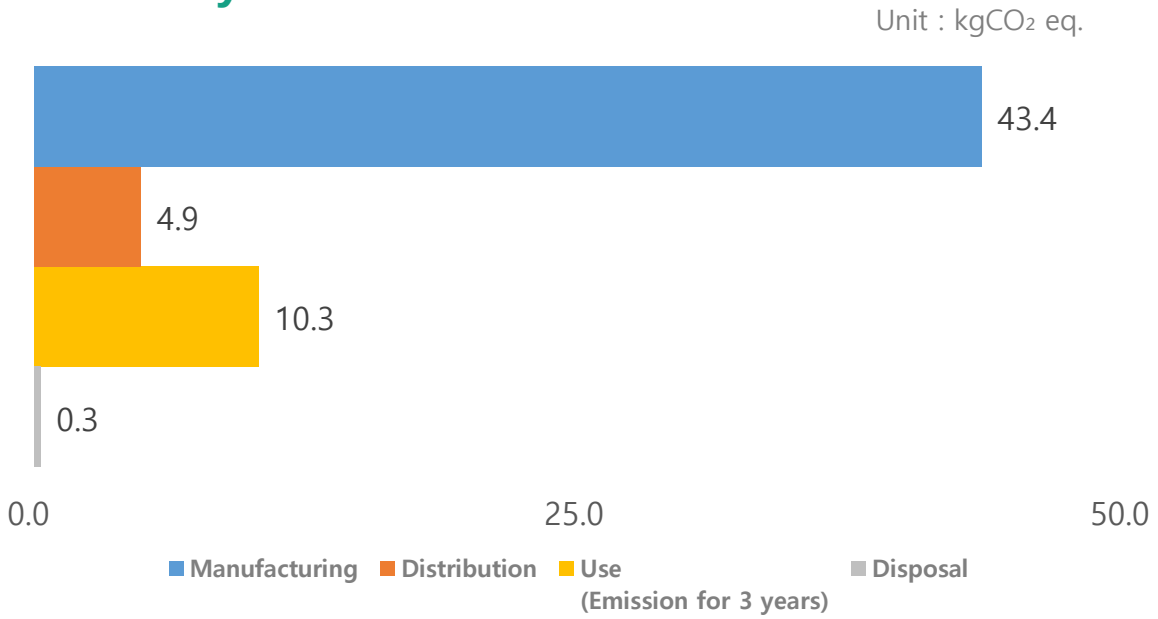
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy M54 5G

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.4.0.3 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.8
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.06 / the Netherlands, 1997 as provided in the SimaPro 9.4.0.3 LCA tool
LCA software	SimaPro 9.4.0.3

System boundary of LCA

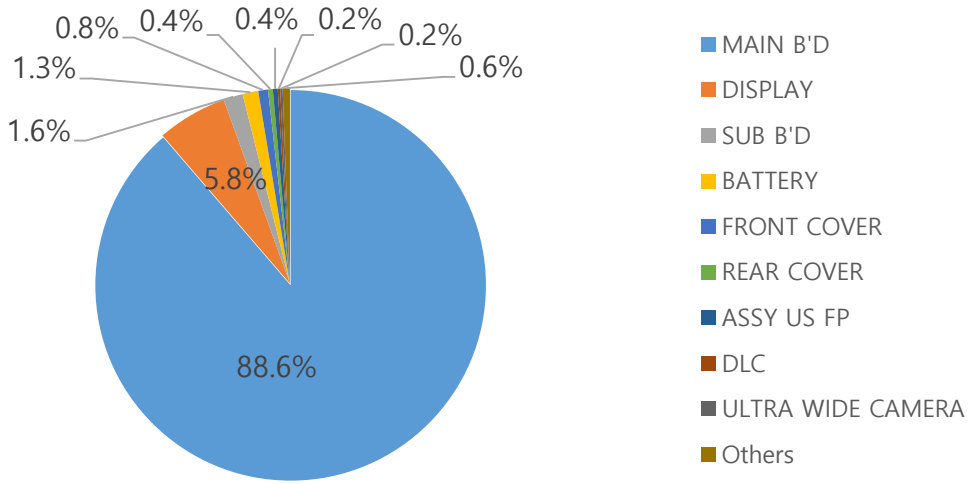
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to UAE
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

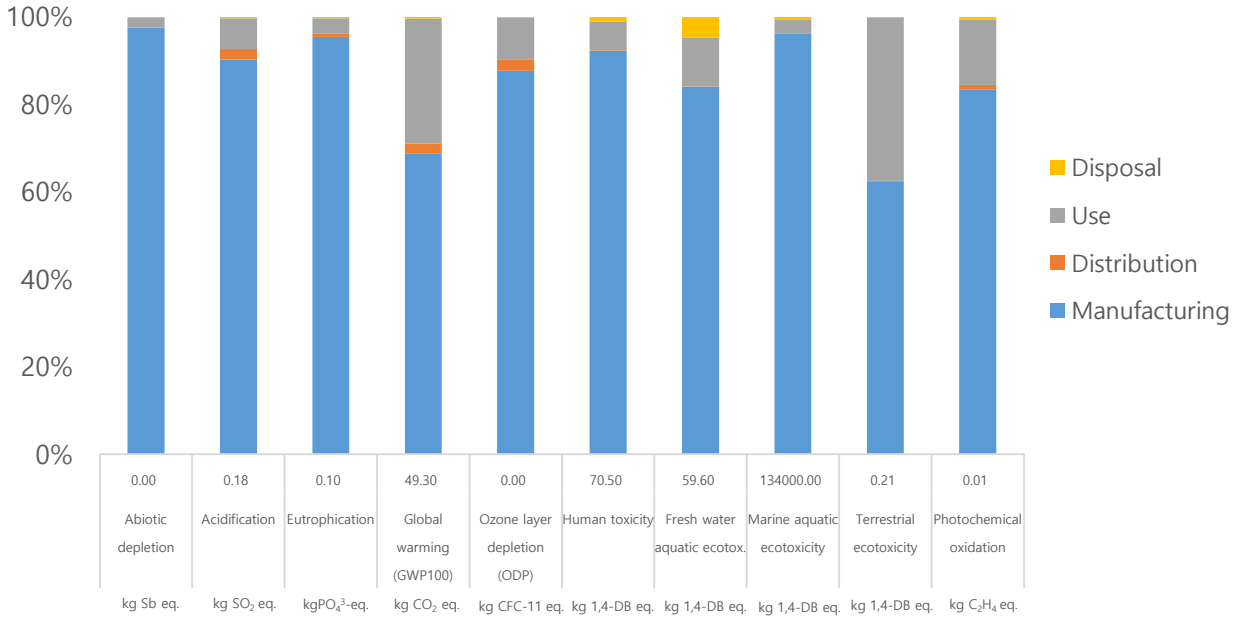
Product Features

Model name	SM-M546B(Galaxy M54 5G)
Dimension	164.9 x 77.3 x 8.4 mm
Display	OLED 6.7”
Weight	Product&Acc. : 220.18 g Packages : 111.33 g

Global Warming Impact Profile

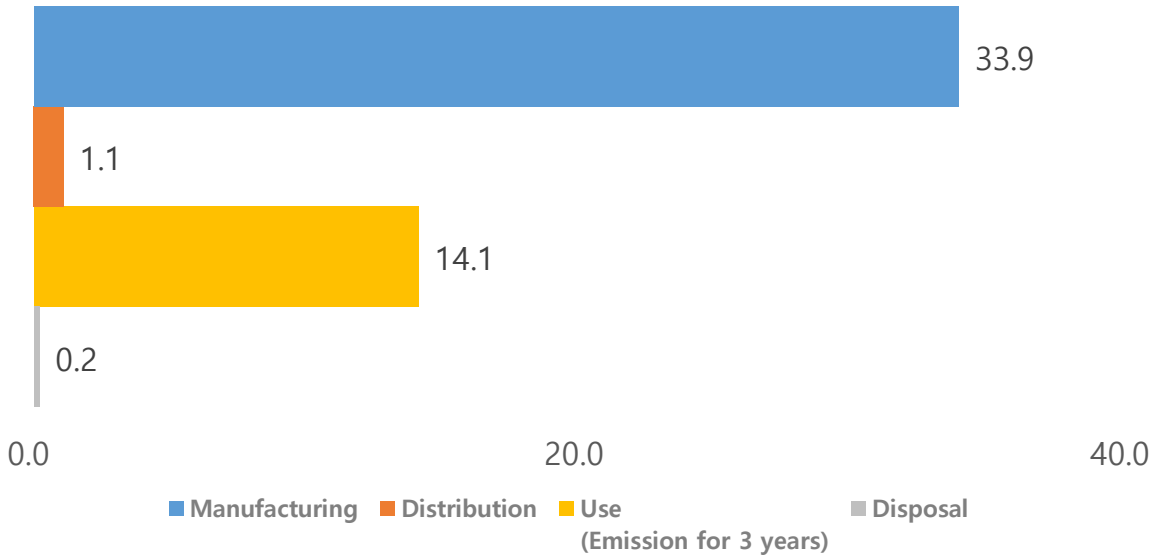


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy M14 5G

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.4.0.3 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.8
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.06 / the Netherlands, 1997 as provided in the SimaPro 9.4.0.3 LCA tool
LCA software	SimaPro 9.4.0.3

System boundary of LCA

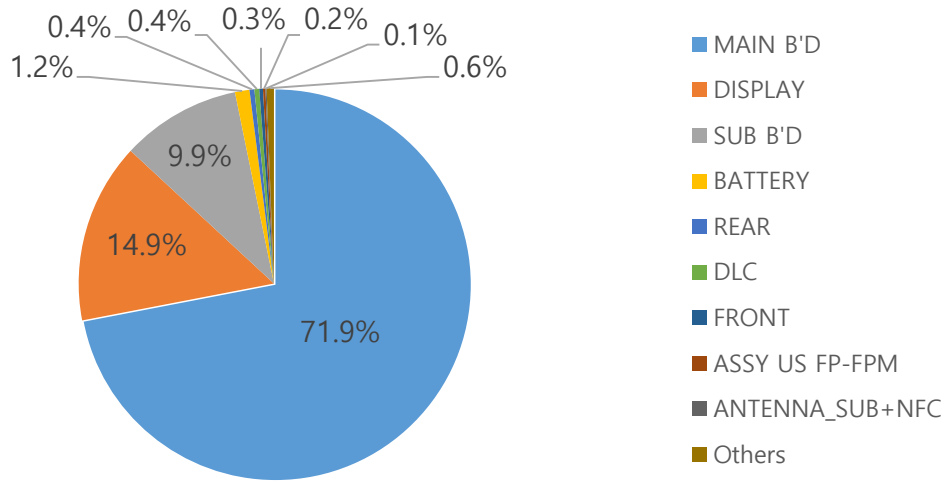
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to UAE
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

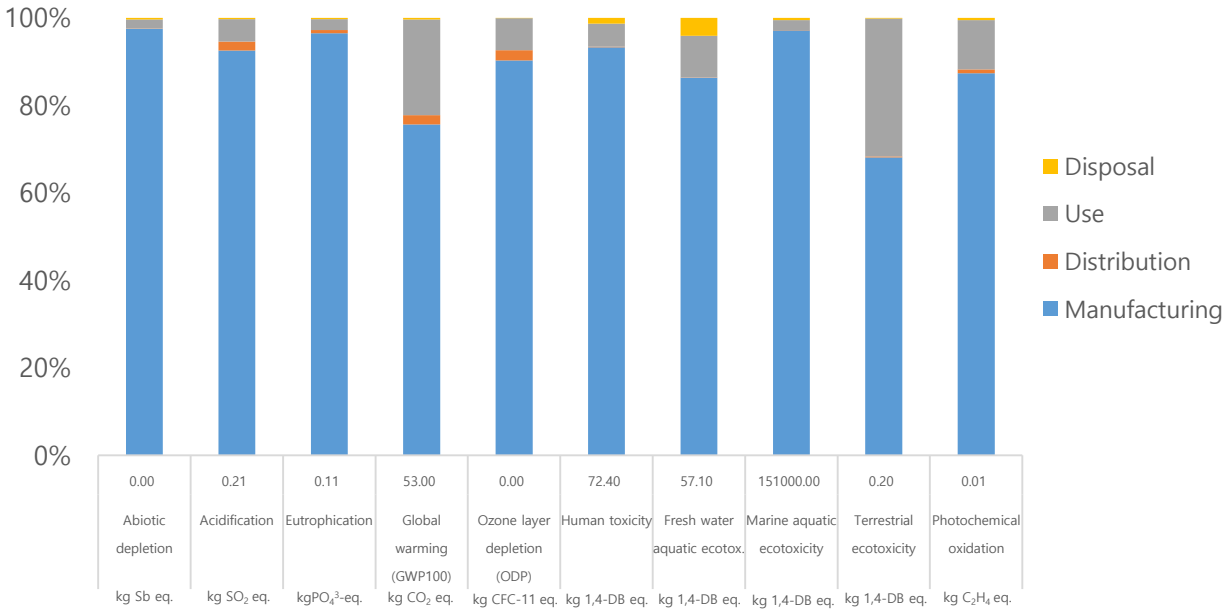
Product Features

Model name	SM-M146B(Galaxy M14 5G)
Dimension	166.8 x 77.2 x 9.4 mm
Display	OLED 6.6”
Weight	Product&Acc. : 226.52 g Packages : 71.85 g

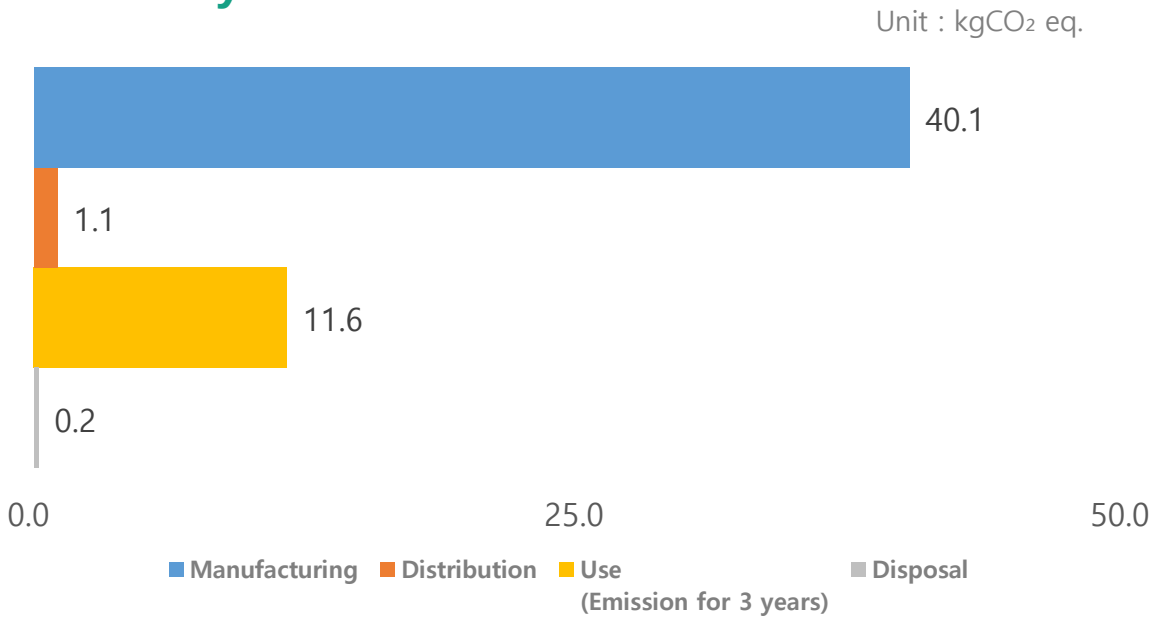
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A54 5G

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.4.0.3 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.8
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.06 / the Netherlands, 1997 as provided in the SimaPro 9.4.0.3 LCA tool
LCA software	SimaPro 9.4.0.3

System boundary of LCA

Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to US
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

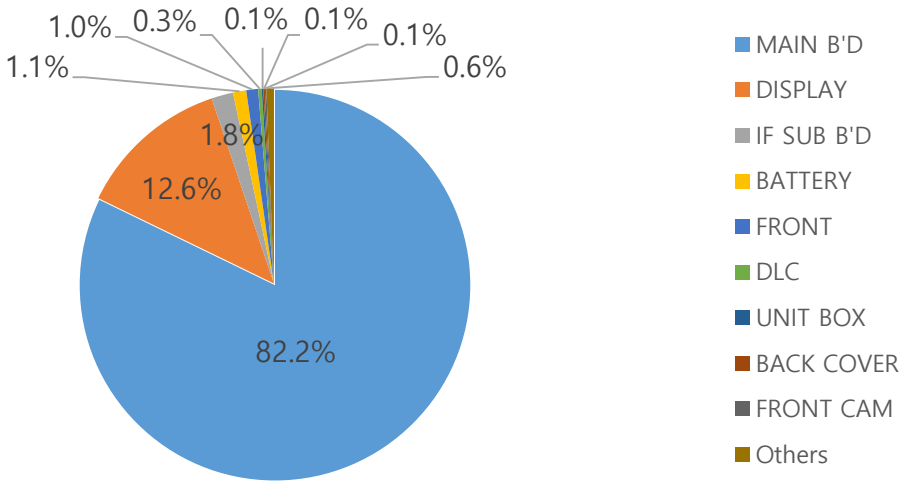
LCA Report Issuance Date : Mar 30, 2023

Webpage Publication Date of Summary of LCA : Mar 30, 2023

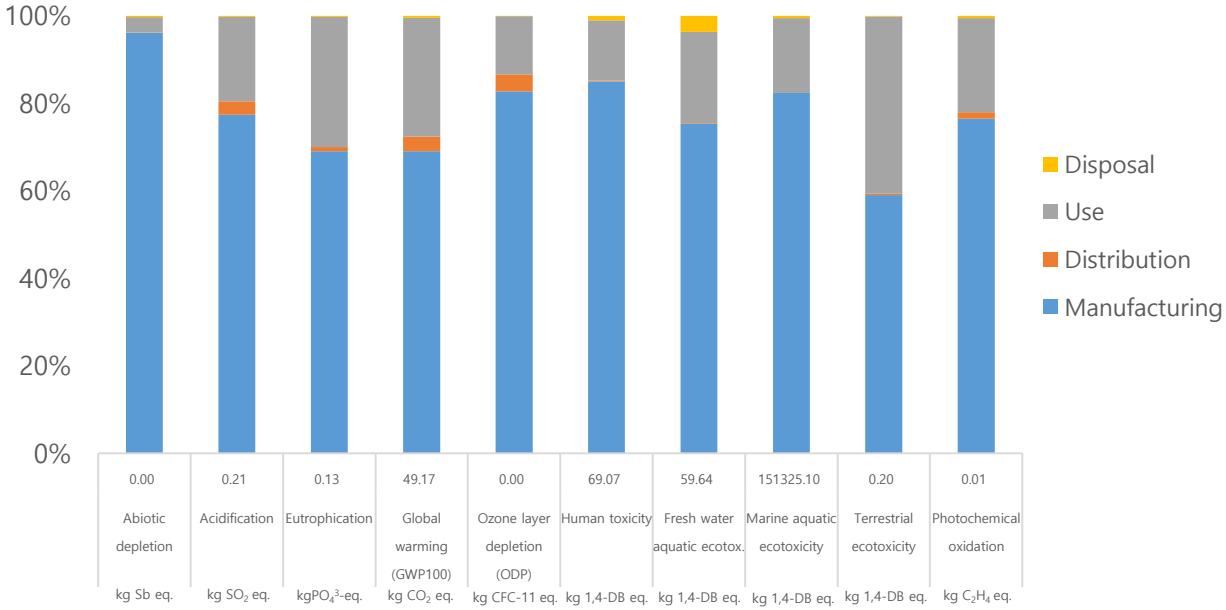
Product Features

Model name	SM-A546U(Galaxy A54 5G)
Dimension	158.2 x 76.7 x 8.2 mm
Display	OLED 6.4”
Weight	Product&Acc. : 223.42 g Packages : 108.72 g

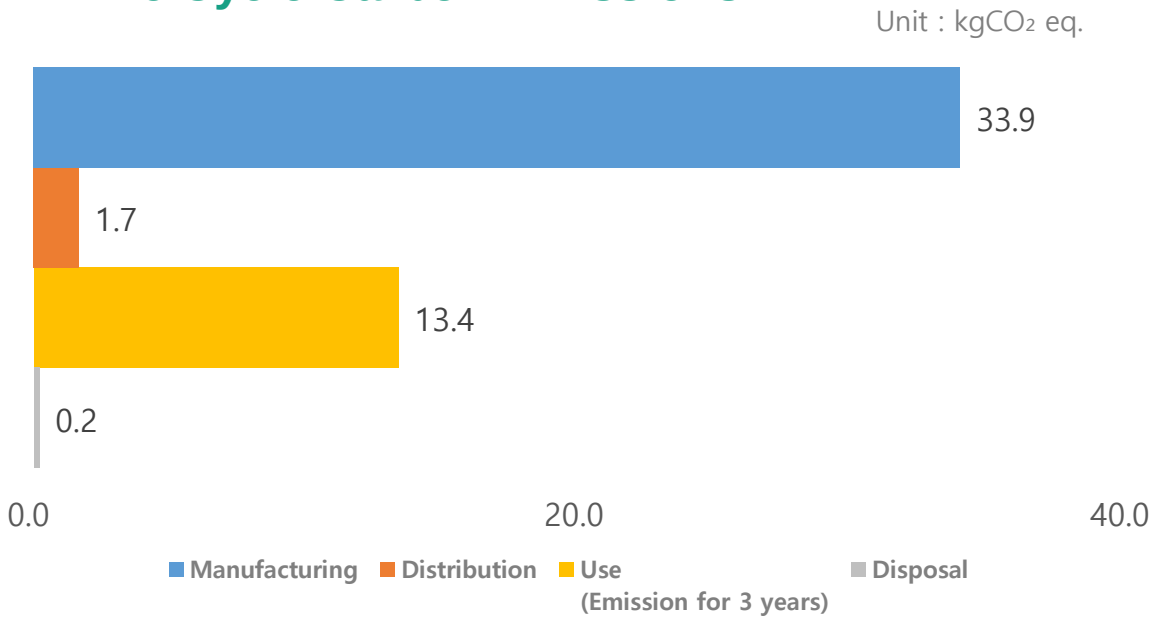
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A54 5G

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.4.0.3 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.8
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.06 / the Netherlands, 1997 as provided in the SimaPro 9.4.0.3 LCA tool
LCA software	SimaPro 9.4.0.3

System boundary of LCA

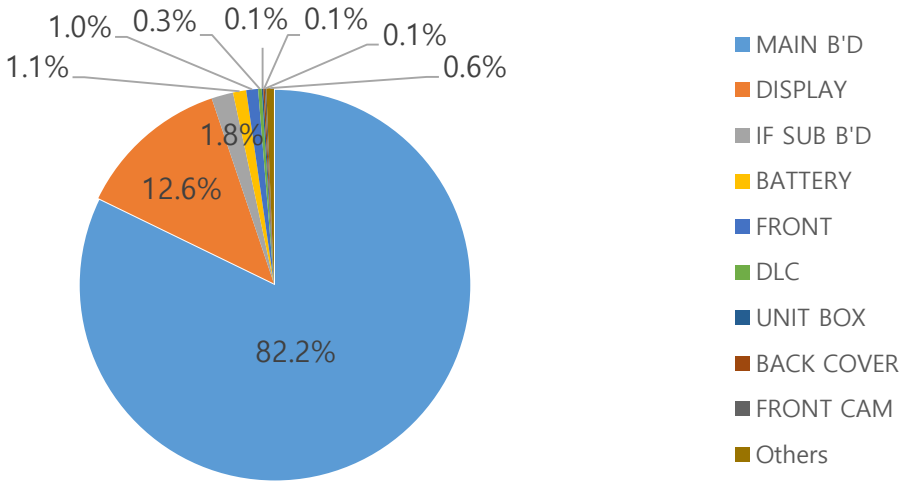
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

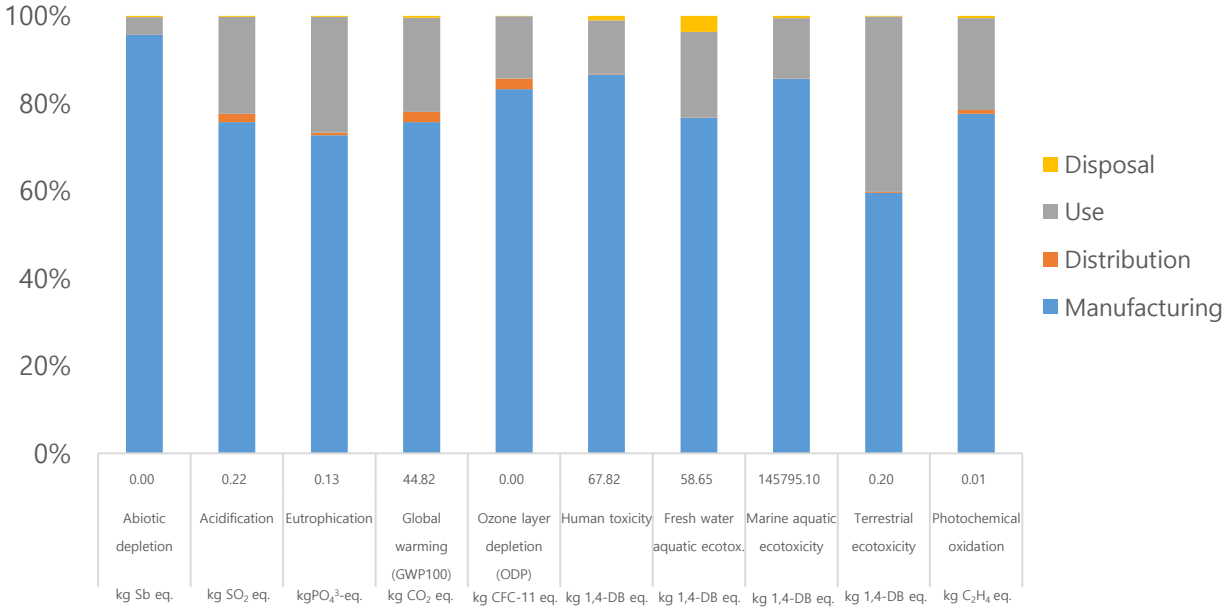
Product Features

Model name	SM-A546B(Galaxy A54 5G)
Dimension	158.2 x 76.7 x 8.2 mm
Display	OLED 6.4”
Weight	Product&Acc. : 223.42 g Packages : 108.72 g

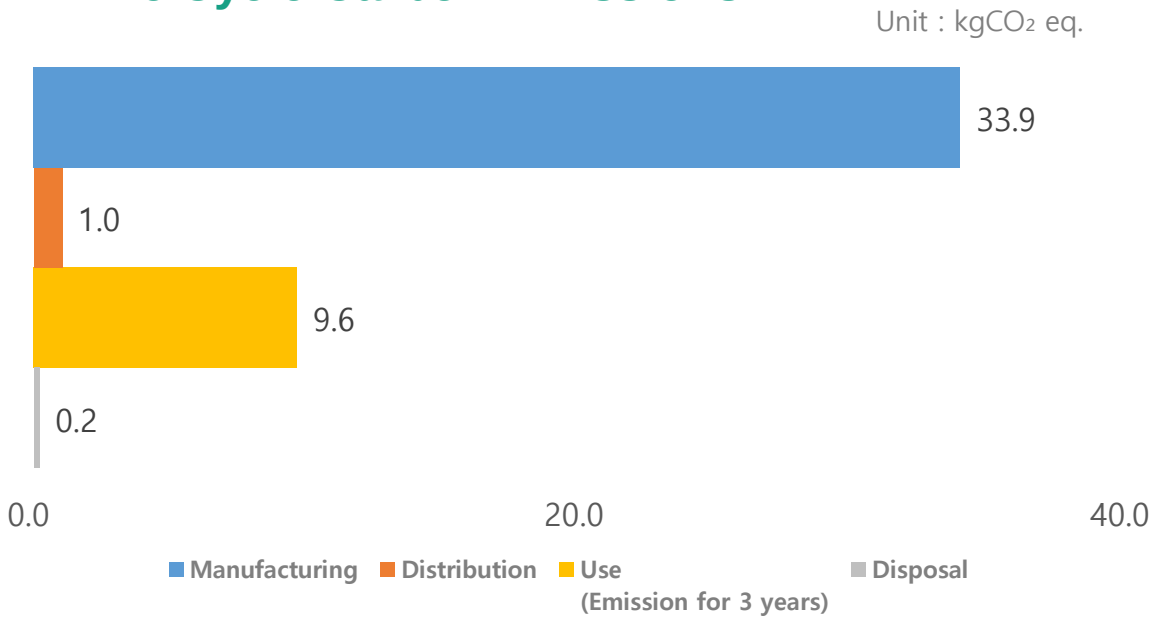
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A34 5G

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.4.0.3 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.8
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.06 / the Netherlands, 1997 as provided in the SimaPro 9.4.0.3 LCA tool
LCA software	SimaPro 9.4.0.3

System boundary of LCA

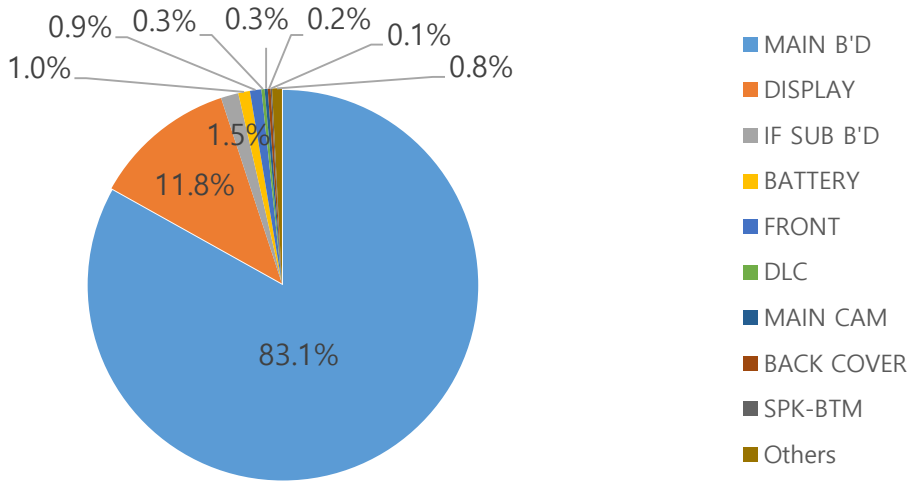
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to EU
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

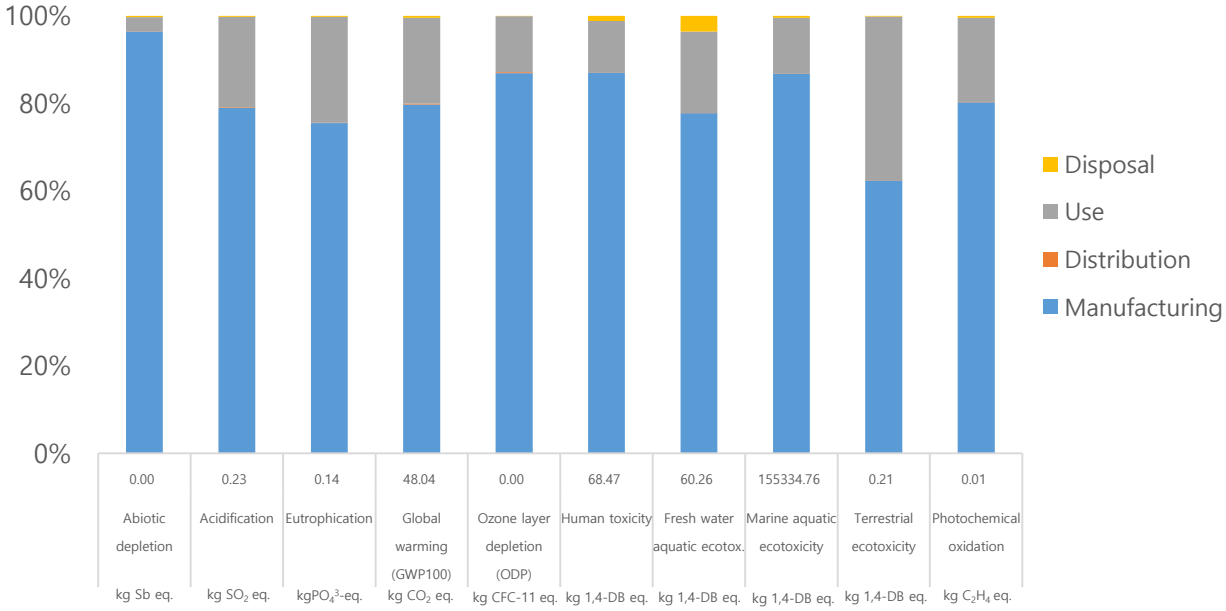
Product Features

Model name	SM-A346B(Galaxy A34 5G)
Dimension	161.3 x 78.1 x 8.2 mm
Display	OLED 6.6”
Weight	Product&Acc. : 220.42 g Packages : 106.95 g

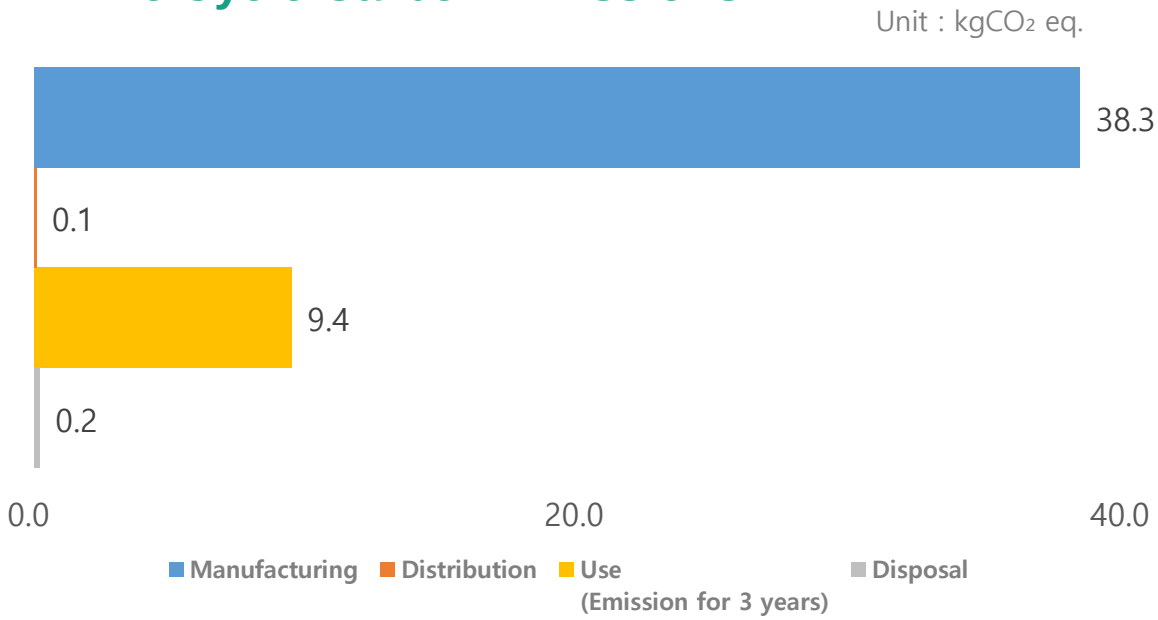
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A24

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.4.0.3 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.8
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML-IA baseline V3.06 / the Netherlands, 1997 as provided in the SimaPro 9.4.0.3 LCA tool
LCA software	SimaPro 9.4.0.3

System boundary of LCA

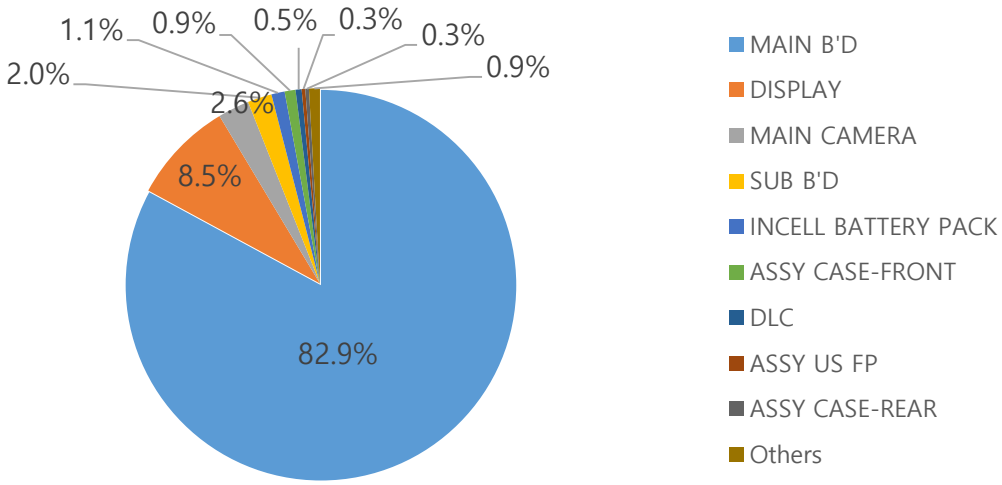
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam to UAE
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

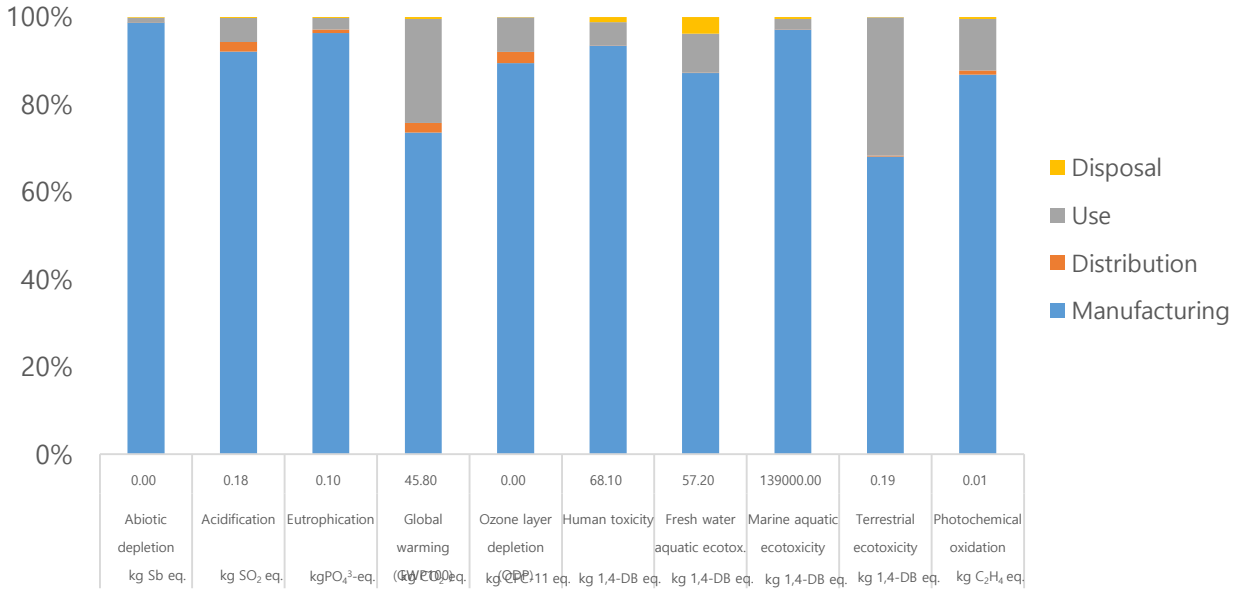
Product Features

Model name	SM-A245F(Galaxy A24)
Dimension	162.1 x 77.6 x 8.3 mm
Display	OLED 6.5”
Weight	Product&Acc. : 217.06 g Packages : 66.84 g

Global Warming Impact Profile

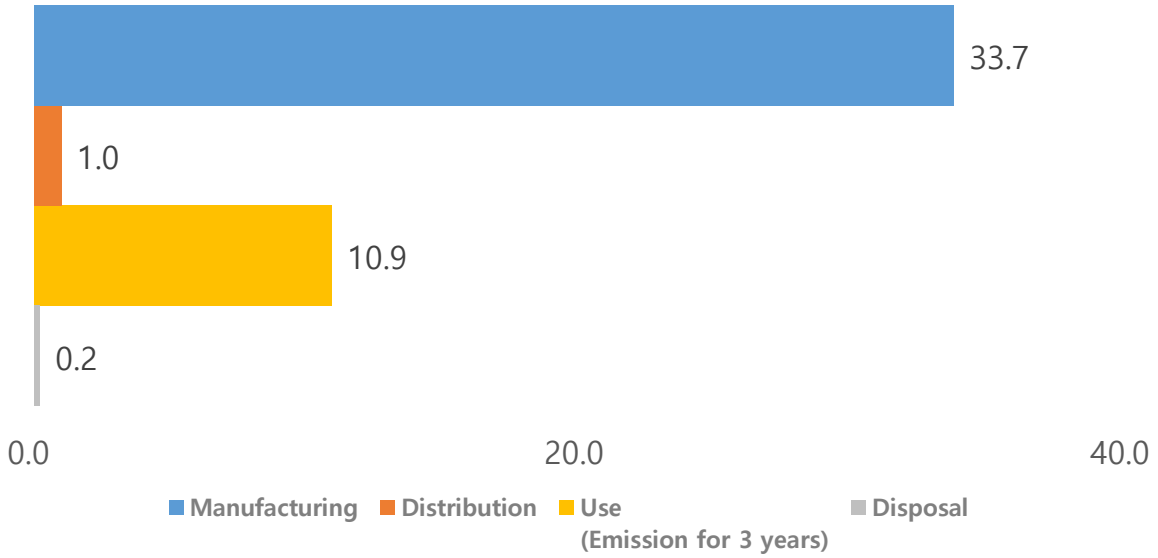


Characterized Environment Impact



Life Cycle Carbon Emissions

Unit : $kgCO_2$ eq.



* The results differ from to region, But not by much.

Life Cycle Assessment for Galaxy A14

Background

Samsung has developed strong technical experience in assessing the life cycle environmental impacts of its products. The assessment considers potential environmental impacts across the whole life cycle including; pre-manufacturing; product manufacturing; distribution; product use; and disposal phase. To ensure technical quality; the analysis methodology has been completed according to international standard ISO 14040 series. Samsung has used SimaPro 9.3.0.3 software and a dedicated LCA S/W database to measure environmental impacts using a wide range of data categories including; Product bill of material(BOM), parts and components logistics, energy consumption in product use and end-of-life scenario data in order to attain the highest level of accuracy. The outcome of the LCA confirmed and quantified 10 potential environment impact categories including; global warming; abiotic depletion; ocean acidification; eutrophication; and ozone layer depletion; where each impact category has been assessed for each life cycle stage. These LCA results will continue to be considered during product development phase as we aspire to improve the environmental specifications of our products.

Calculation basis

Standard	ISO 14040:2006 and 14044:2006
Database	Ecoinvent 3.8
Method for impact assessment	Life cycle impact assessment classification and characterization factors according to CML 2 baseline 2000 V2.05 / the Netherlands, 1997 as provided in the SimaPro 9.3.0.3 LCA tool
LCA software	SimaPro 9.3.0.3

System boundary of LCA

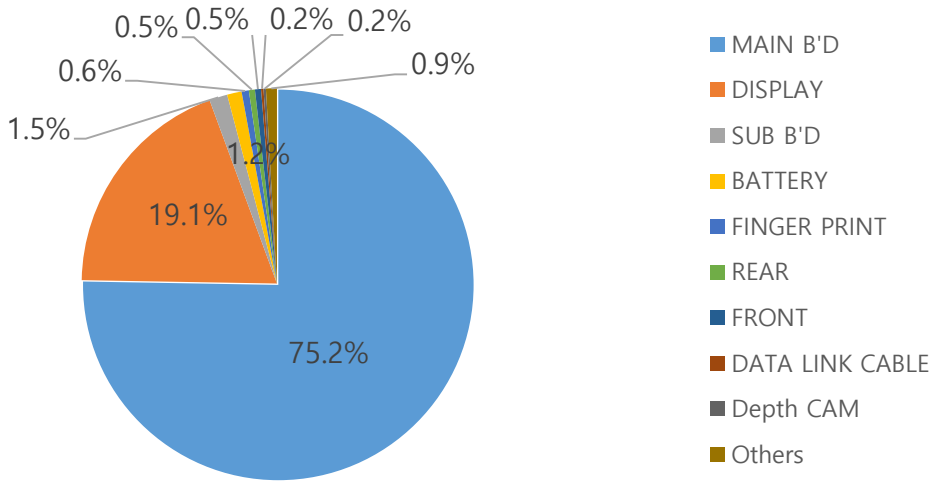
Pre-manufacturing	Parts and materials constituting the products and its transportation
Manufacturing	Product assembly by Samsung Electronics
Distribution	From Vietnam and KOR to US
Use	3 years use
Disposal	Waste treatment of parts and material

Critical review for LCA study was done by internal expert in Global CS Center of Samsung Electronics. (ecodesign@samsung.com)

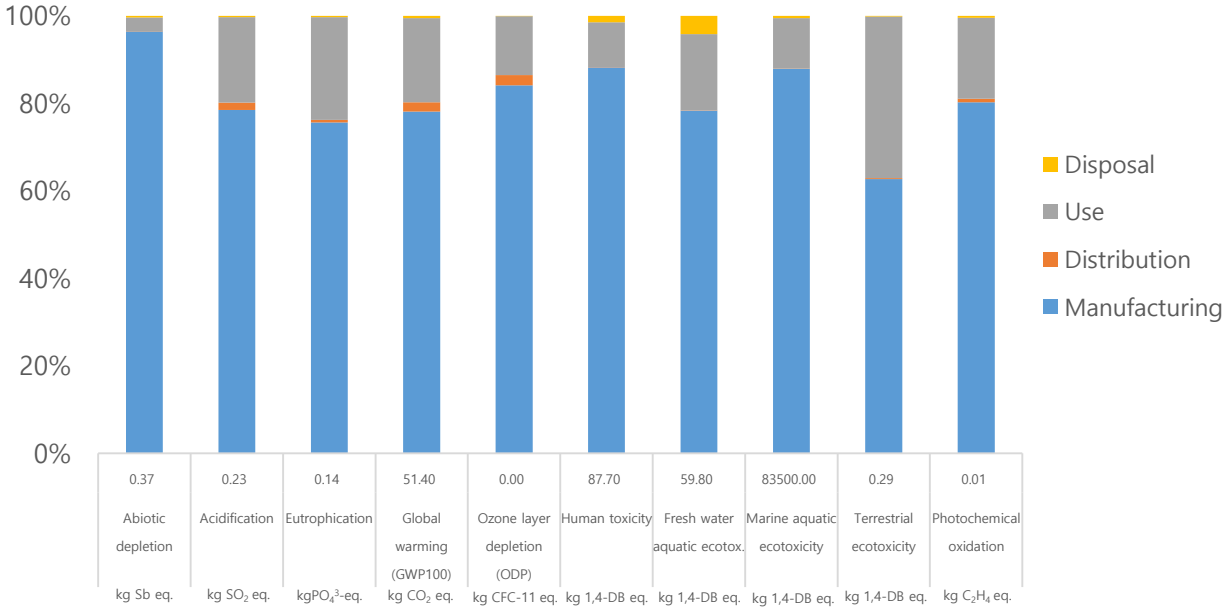
Product Features

Model name	SM-A145F(Galaxy A14)
Dimension	167.7 x 78 x 9.1 mm
Display	LCD 6.6"
Weight	Product&Acc. : 221.87 g Packages : 66.23 g

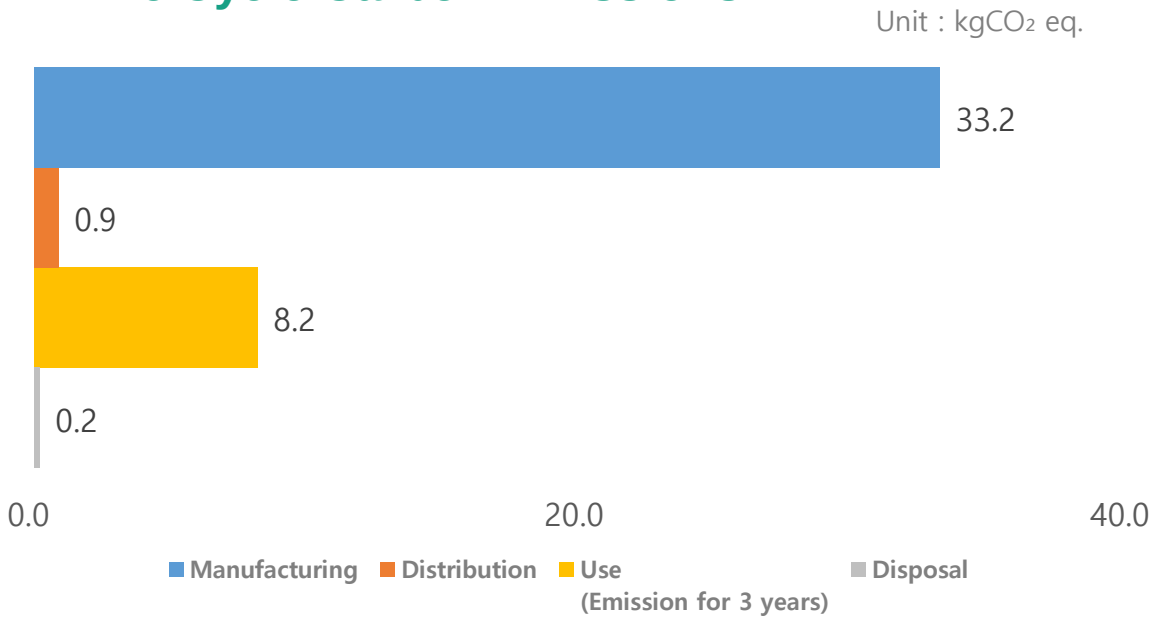
Global Warming Impact Profile



Characterized Environment Impact



Life Cycle Carbon Emissions



* The results differ from to region, But not by much.